

Quantitative Analysis Sample Based Report

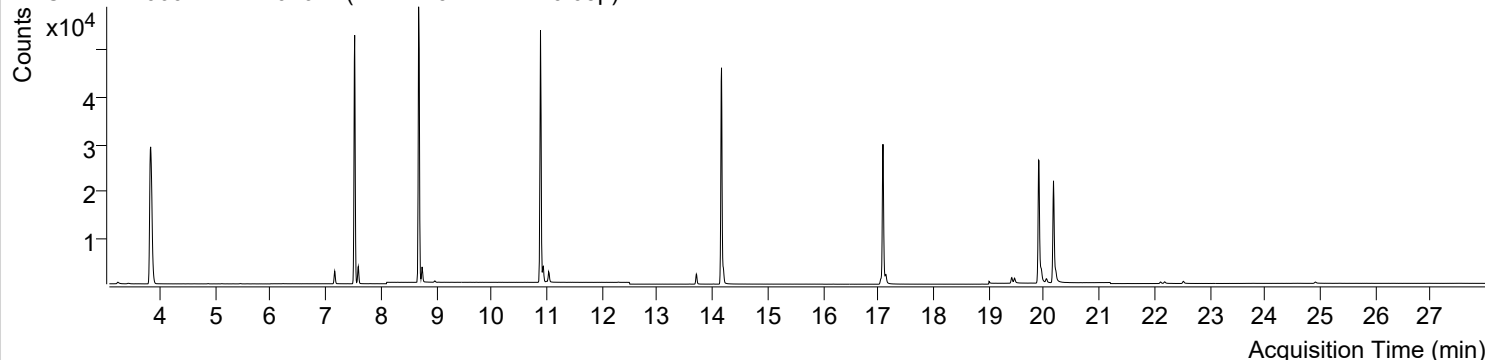


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-09 오후 10:56:50	Data File	220607-PAHs-026.D
Type	Sample	Name	PAHs-19mix-STD-0.05p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

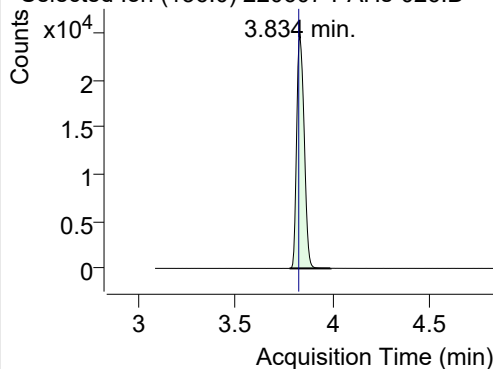
+ TIC SIM 220607-PAHs-026.D (PAHs-19mix-STD-0.05p)



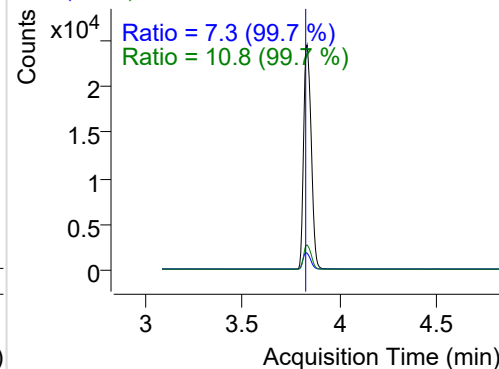
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.834	136.0	66679	24580.53	ND ng/ml	10.8
Naphthalene	3.861	128.0	4461	1610.82	ND ng/ml	13.5
Acenaphthylene	7.165	152.0	3081	1993.74	ND ng/ml	19.6
IS-D10-Acenaphthene	7.526	164.0	37717	25536.14	ND ng/ml	95.3
Acenaphthene	7.591	154.0	1975	1289.31	ND ng/ml	106.6
LSS-D10-Fluorene	8.684	176.0	41615	25883.28	ND ng/ml	92.1
Fluorene	8.747	166.0	2268	1493.03	ND ng/ml	93.9
IS-D10-Phenanthrene	10.889	188.0	64181	42524.27	ND ng/ml	15.1
Phenanthrene	10.942	178.0	3323	2045.11	ND ng/ml	18.8
Anthracene	11.036	178.0	2557	1459.11	ND ng/ml	18.0
Fluoranthene	13.710	202.0	2659	1639.98	ND ng/ml	17.2
LSS-D10-Pyrene	14.165	212.0	52379	33981.52	ND ng/ml	18.6
Pyrene	14.197	202.0	3282	2015.54	ND ng/ml	21.3
Benz(a)anthracene	17.049	228.0	1513	770.63	ND ng/ml	24.6
IS-D12-Chrysene	17.087	240.0	38566	22355.35	ND ng/ml	18.9
Chrysene	17.141	228.0	2042	1065.41	ND ng/ml	28.8
Benzo(b)fluoranthene	19.419	252.0	1302	694.77	ND ng/ml	21.8
Benzo(k)fluoranthene	19.469	252.0	1281	610.80	ND ng/ml	23.4
SS-D12-Benzo(e)pyrene	19.910	264.0	34659	17718.82	ND ng/ml	25.2
Benzo(e)pyrene	19.953	252.0	2031	1035.71	ND ng/ml	17.8
Benzo(a)pyrene	20.045	252.0	902	440.53	ND ng/ml	24.6
IS-D12-Perylene	20.173	264.0	27942	14842.25	ND ng/ml	23.5
Perylene	20.216	252.0	1531	733.68	ND ng/ml	21.7
Indeno(1,2,3-c,d)pyrene	22.114	276.0	528	260.39	ND ng/ml	19.2
Dibenz(a,h)anthracene	22.183	278.0	468	192.45	ND ng/ml	23.4
Benzo(g,h,i)perylene	22.526	276.0	823	367.63	ND ng/ml	23.2
Coronene	24.916	300.0	518	178.43	ND ng/ml	26.2

IS-D8-Naphthalene

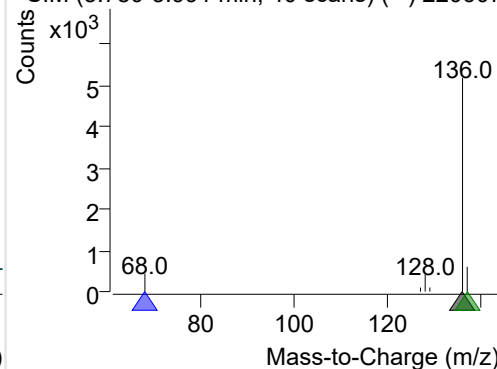
+ Selected Ion (136.0) 220607-PAHs-026.D



136.0, 68.0, 137.0

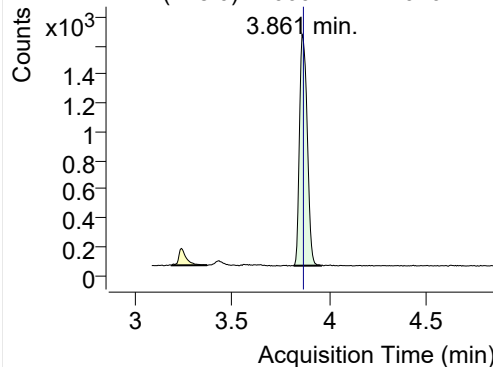


+ SIM (3.780-3.991 min, 40 scans) (**) 220607

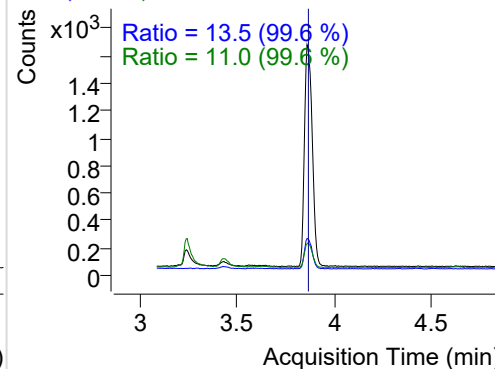


Naphthalene

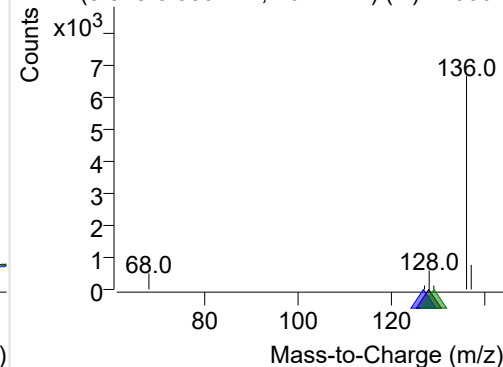
+ Selected Ion (128.0) 220607-PAHs-026.D



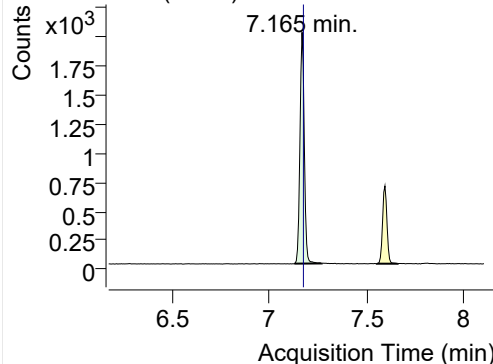
128.0, 127.0, 129.0



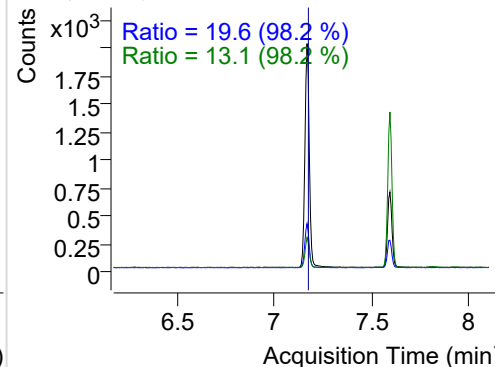
+ SIM (3.818-3.959 min, 26 scans) (**) 220607

**Acenaphthylene**

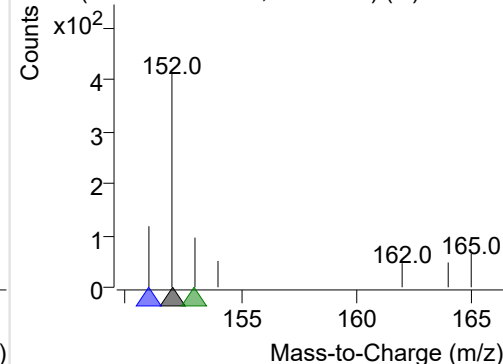
+ Selected Ion (152.0) 220607-PAHs-026.D



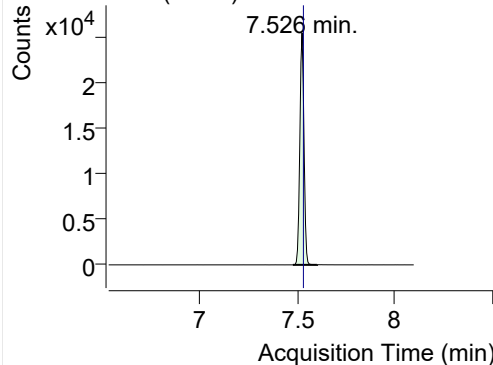
152.0, 151.0, 153.0



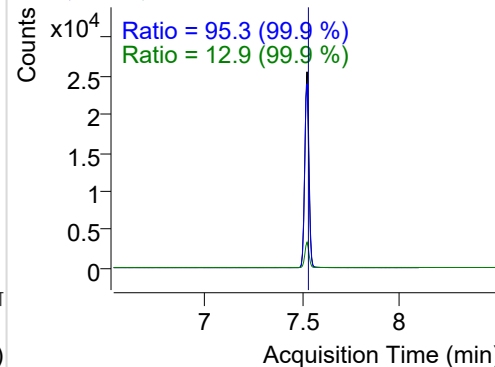
+ SIM (7.126-7.266 min, 24 scans) (**) 220607

**IS-D10-Acenaphthene**

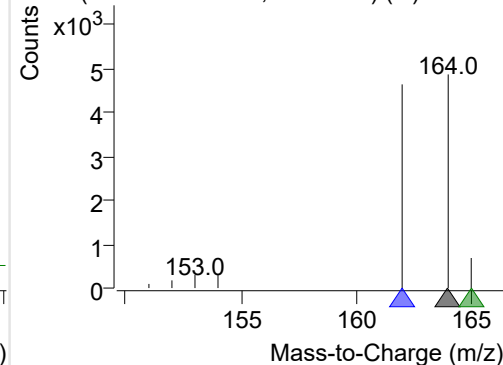
+ Selected Ion (164.0) 220607-PAHs-026.D



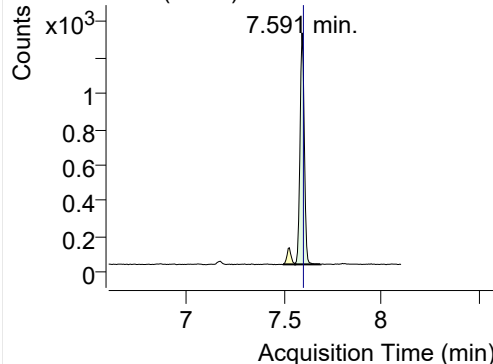
164.0, 162.0, 165.0



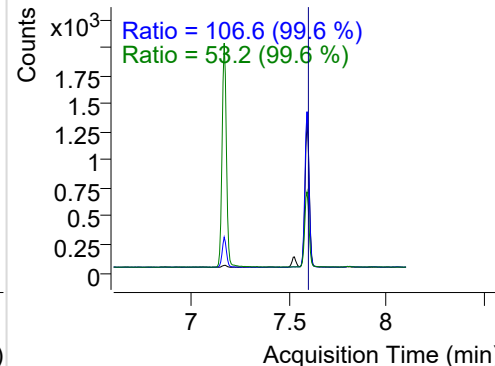
+ SIM (7.479-7.603 min, 22 scans) (**) 220607

**Acenaphthene**

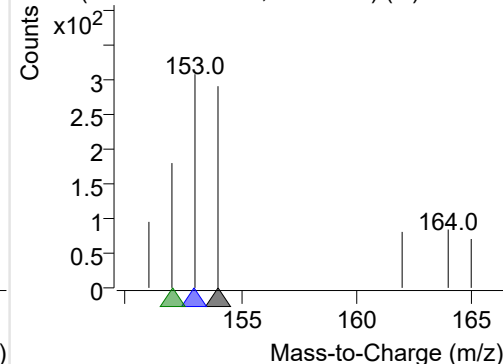
+ Selected Ion (154.0) 220607-PAHs-026.D



154.0, 153.0, 152.0

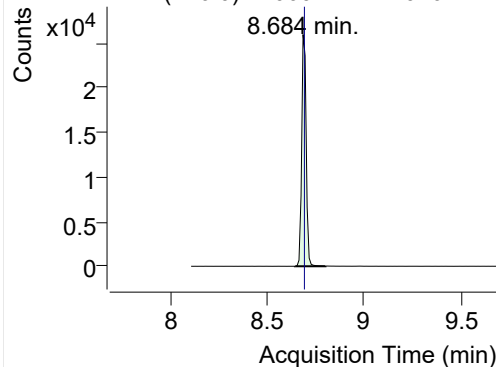


+ SIM (7.556-7.686 min, 23 scans) (**) 220607

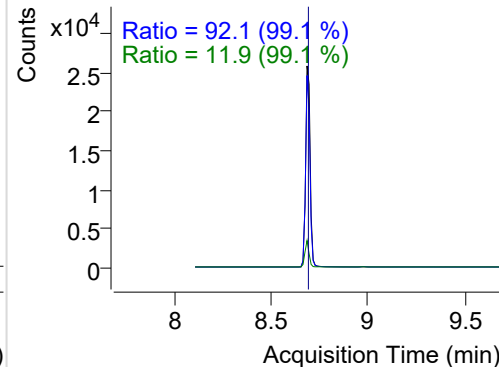


LSS-D10-Fluorene

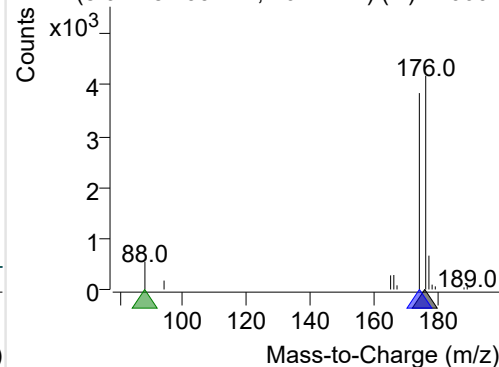
+ Selected Ion (176.0) 220607-PAHs-026.D



176.0, 174.0, 88.0

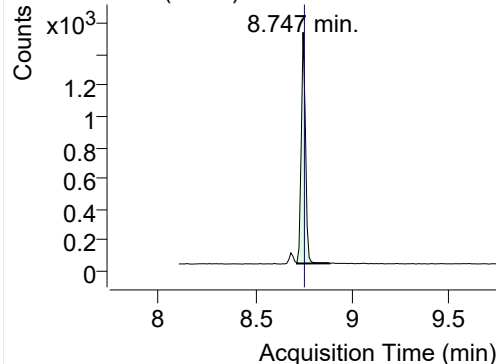


+ SIM (8.642-8.799 min, 16 scans) (**) 220607

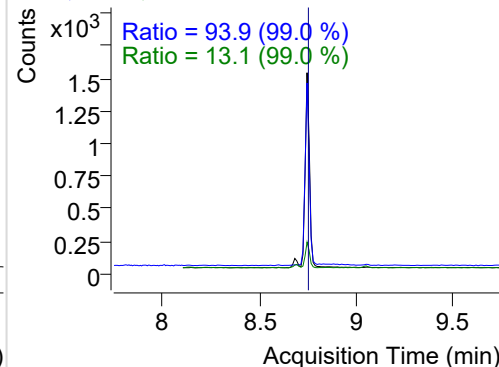


Fluorene

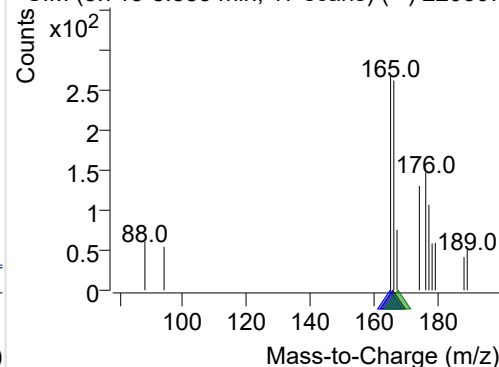
+ Selected Ion (166.0) 220607-PAHs-026.D



166.0, 165.0, 167.0

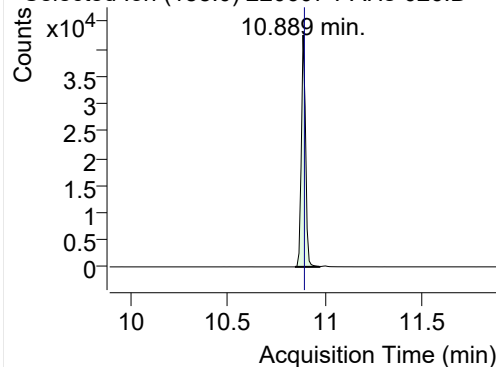


+ SIM (8.715-8.883 min, 17 scans) (**) 220607

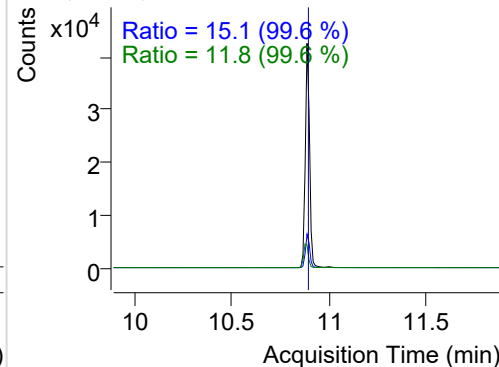


IS-D10-Phenanthrene

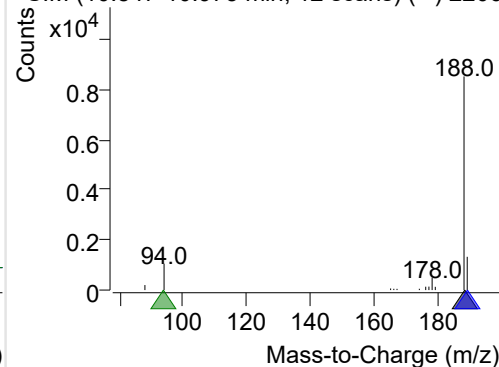
+ Selected Ion (188.0) 220607-PAHs-026.D



188.0, 189.0, 94.0

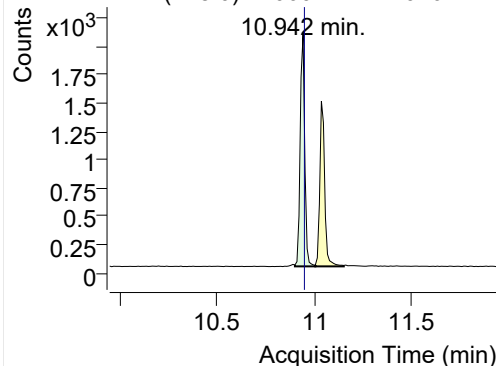


+ SIM (10.847-10.973 min, 12 scans) (**) 2206

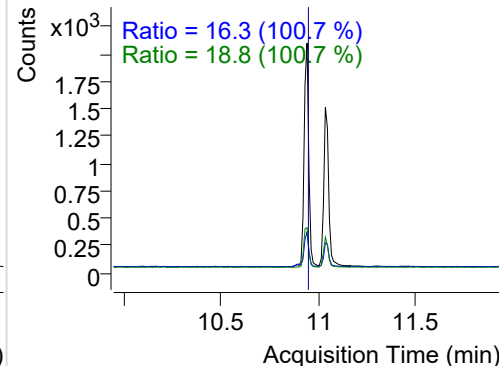


Phenanthrene

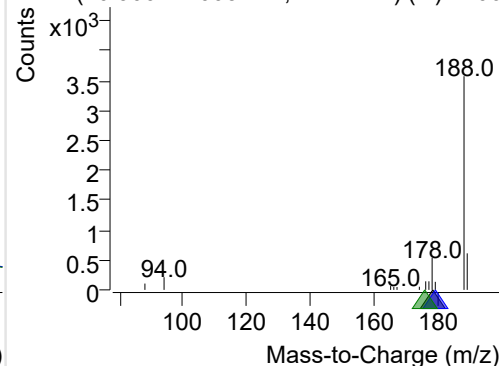
+ Selected Ion (178.0) 220607-PAHs-026.D



178.0, 179.0, 176.0

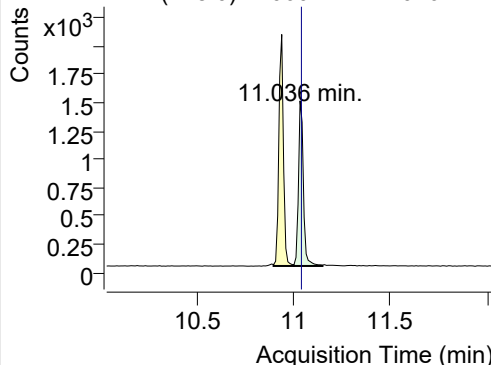


+ SIM (10.900-11.005 min, 11 scans) (**) 2206

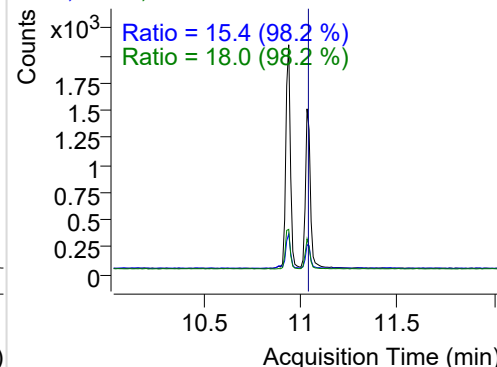


Anthracene

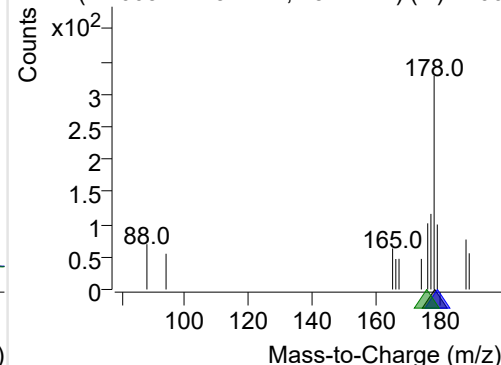
+ Selected Ion (178.0) 220607-PAHs-026.D



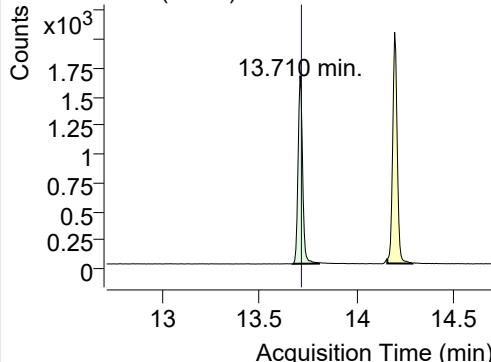
178.0, 179.0, 176.0



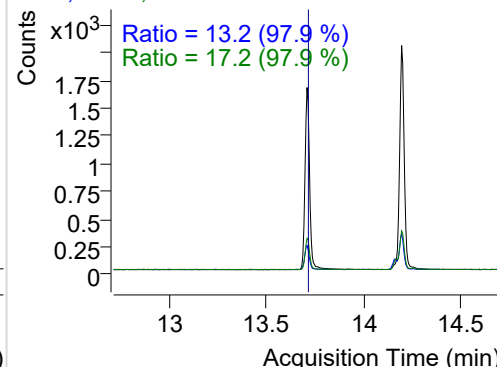
+ SIM (11.005-11.152 min, 15 scans) (**) 2206

**Fluoranthene**

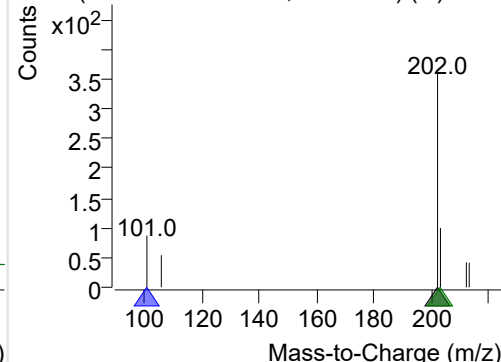
+ Selected Ion (202.0) 220607-PAHs-026.D



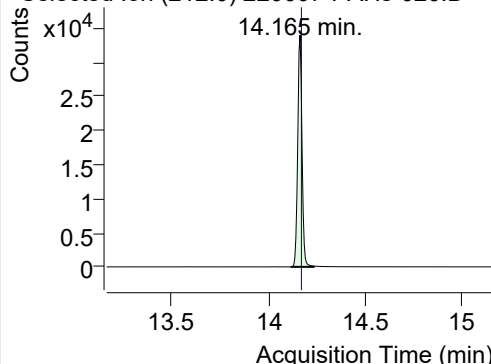
202.0, 101.0, 203.0



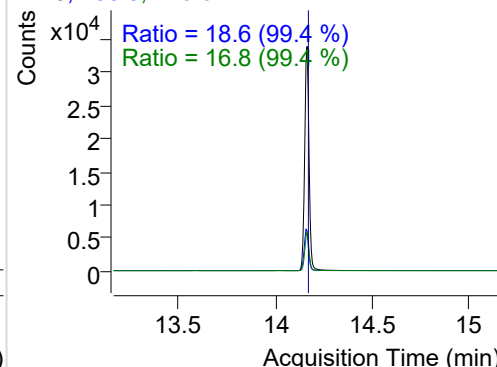
+ SIM (13.672-13.807 min, 26 scans) (**) 2206

**LSS-D10-Pyrene**

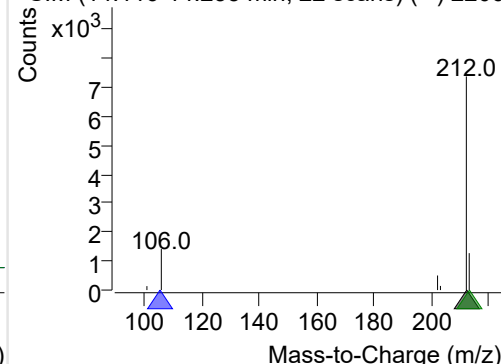
+ Selected Ion (212.0) 220607-PAHs-026.D



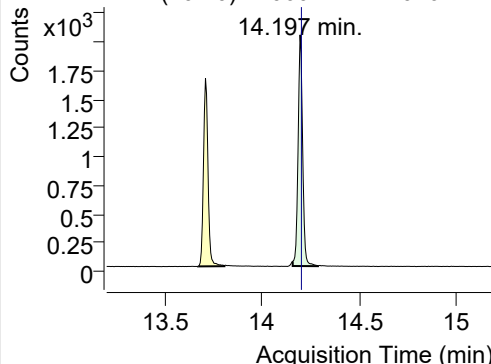
212.0, 106.0, 213.0



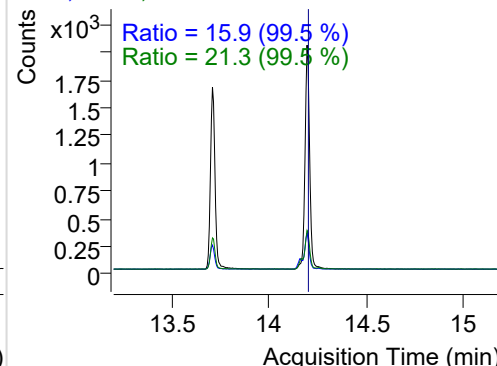
+ SIM (14.116-14.235 min, 22 scans) (**) 2206

**Pyrene**

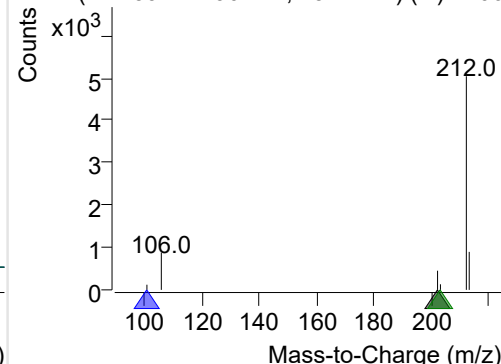
+ Selected Ion (202.0) 220607-PAHs-026.D



202.0, 101.0, 203.0

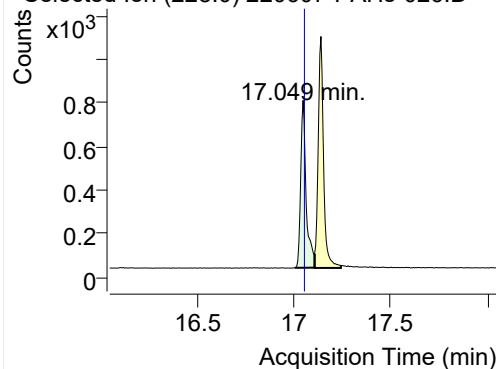


+ SIM (14.159-14.290 min, 25 scans) (**) 2206

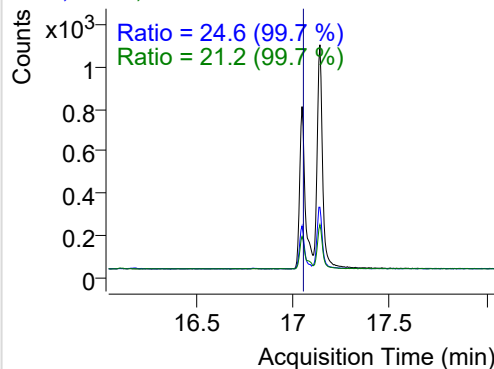


Benz(a)anthracene

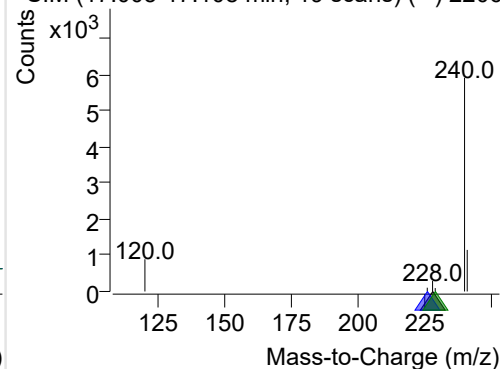
+ Selected Ion (228.0) 220607-PAHs-026.D



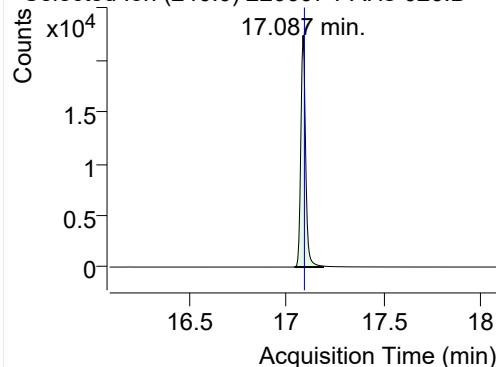
228.0, 226.0, 229.0



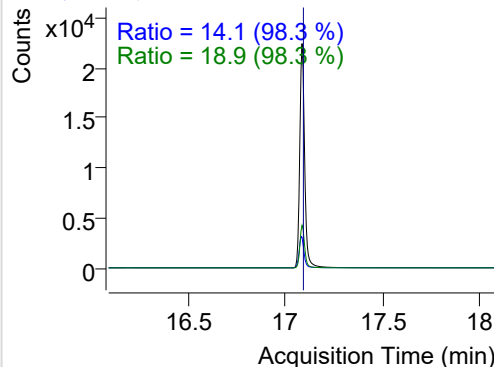
+ SIM (17.005-17.108 min, 19 scans) (**) 2206

**IS-D12-Chrysene**

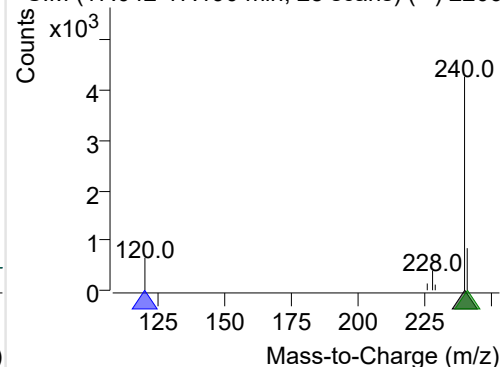
+ Selected Ion (240.0) 220607-PAHs-026.D



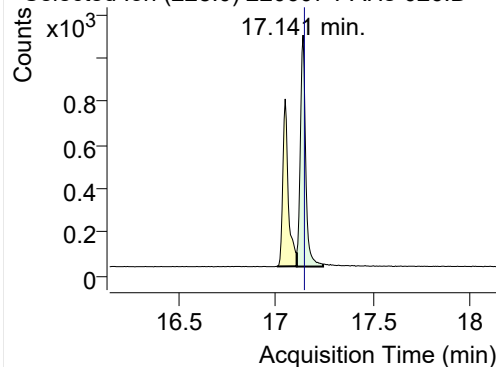
240.0, 120.0, 241.0



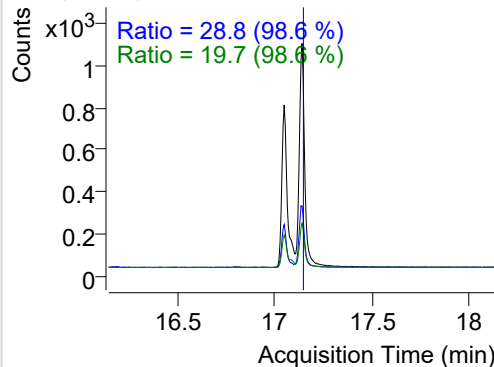
+ SIM (17.042-17.190 min, 28 scans) (**) 2206

**Chrysene**

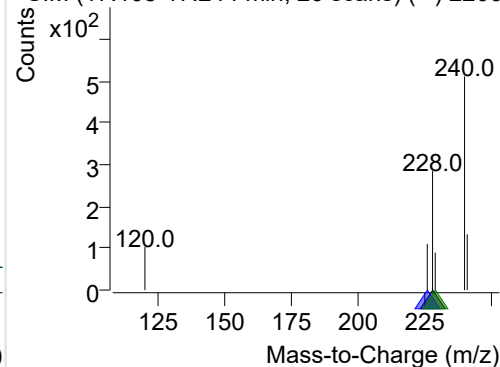
+ Selected Ion (228.0) 220607-PAHs-026.D



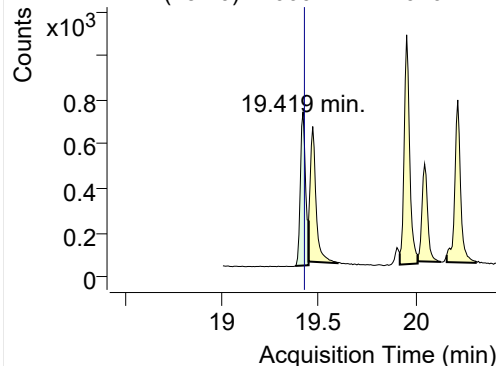
228.0, 226.0, 229.0



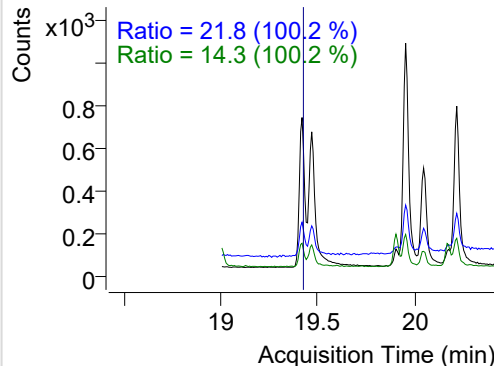
+ SIM (17.108-17.244 min, 26 scans) (**) 2206

**Benzo(b)fluoranthene**

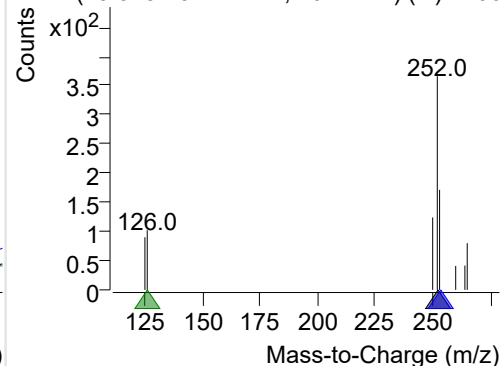
+ Selected Ion (252.0) 220607-PAHs-026.D



252.0, 253.0, 126.0

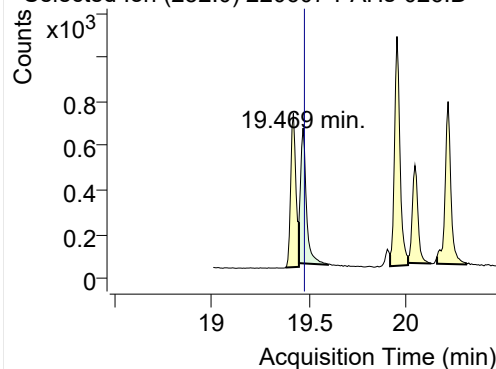


+ SIM (19.378-19.447 min, 10 scans) (**) 2206

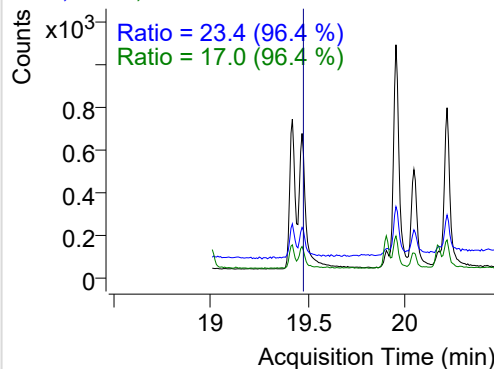


Benzo(k)fluoranthene

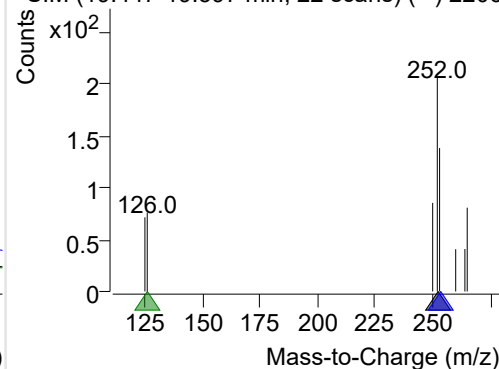
+ Selected Ion (252.0) 220607-PAHs-026.D



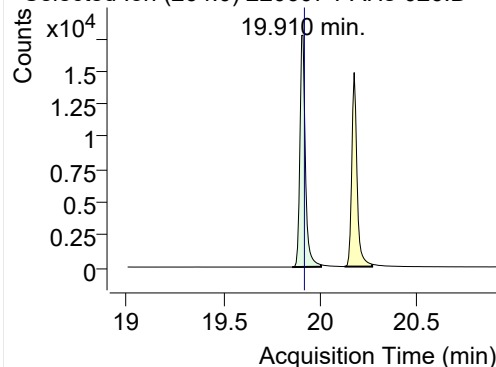
252.0, 253.0, 126.0



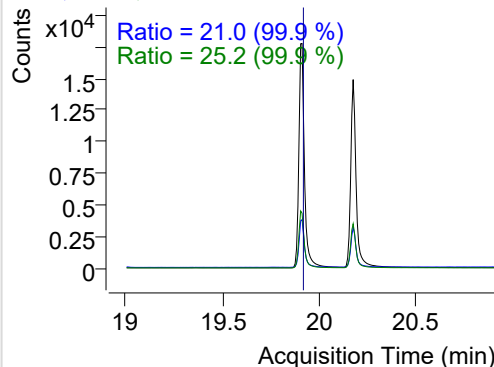
+ SIM (19.447-19.597 min, 22 scans) (**) 2206

**SS-D12-Benzo(e)pyrene**

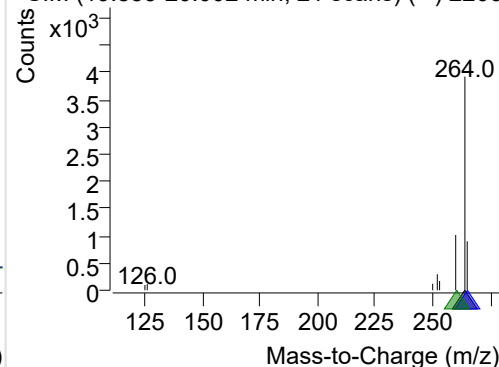
+ Selected Ion (264.0) 220607-PAHs-026.D



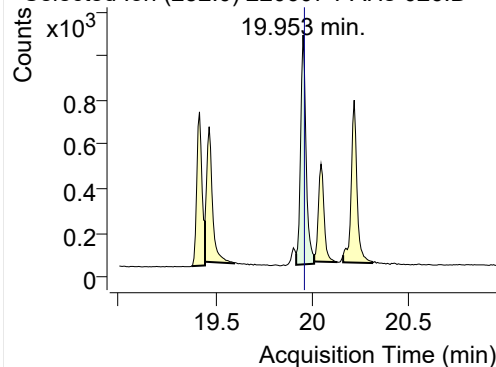
264.0, 265.0, 260.0



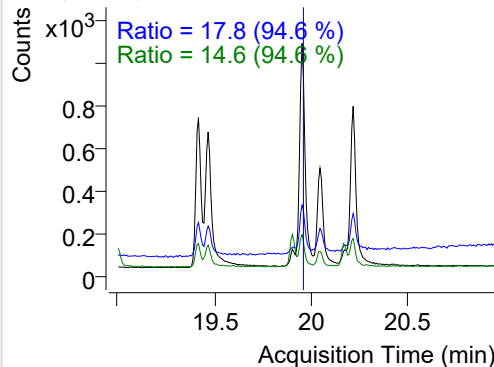
+ SIM (19.853-20.002 min, 21 scans) (**) 2206

**Benzo(e)pyrene**

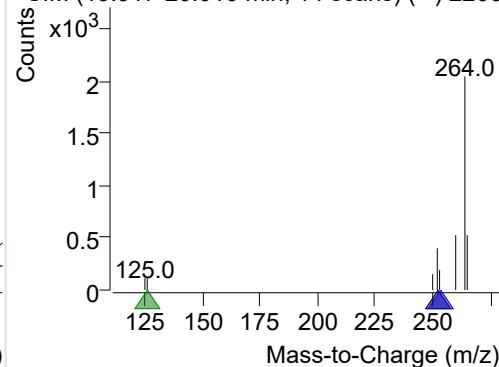
+ Selected Ion (252.0) 220607-PAHs-026.D



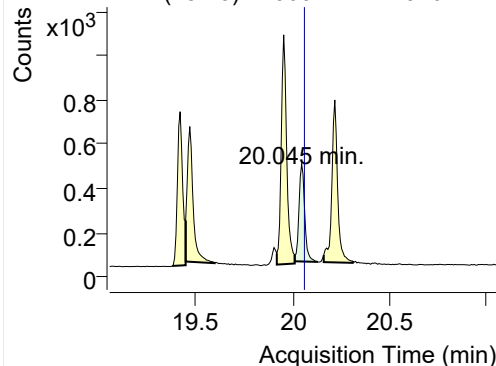
252.0, 253.0, 126.0



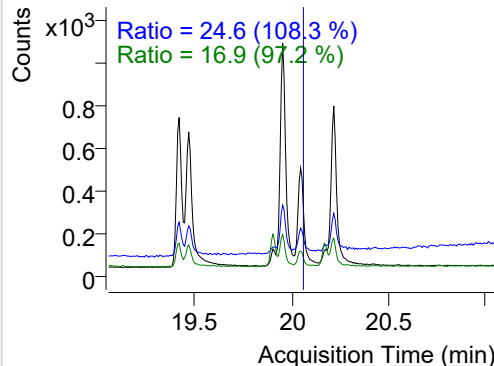
+ SIM (19.917-20.010 min, 14 scans) (**) 2206

**Benzo(a)pyrene**

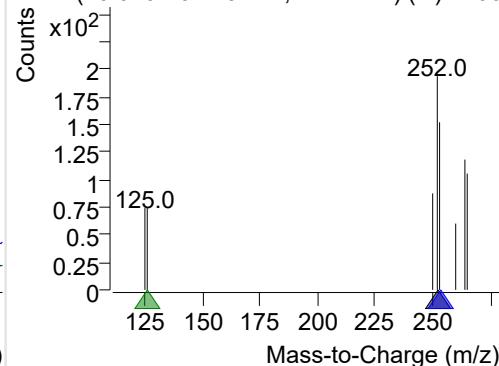
+ Selected Ion (252.0) 220607-PAHs-026.D



252.0, 253.0, 126.0

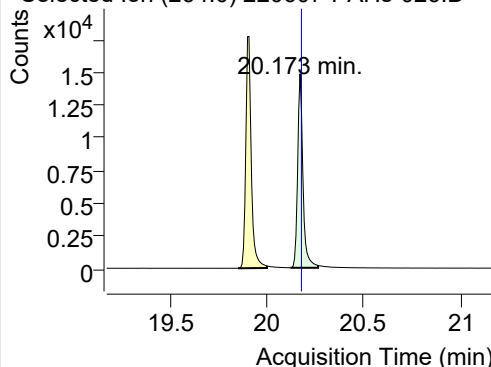


+ SIM (20.010-20.129 min, 17 scans) (**) 2206

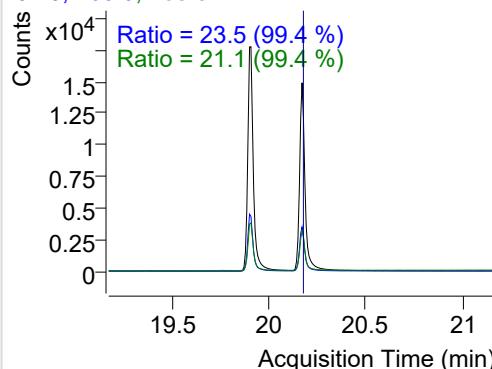


IS-D12-Perylene

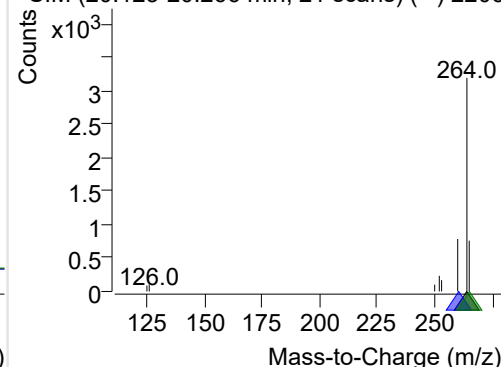
+ Selected Ion (264.0) 220607-PAHs-026.D



264.0, 260.0, 265.0

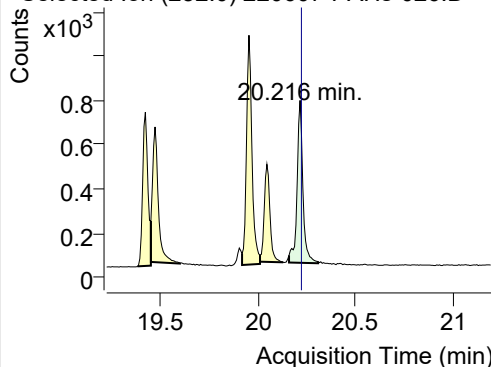


+ SIM (20.123-20.266 min, 21 scans) (**) 2206

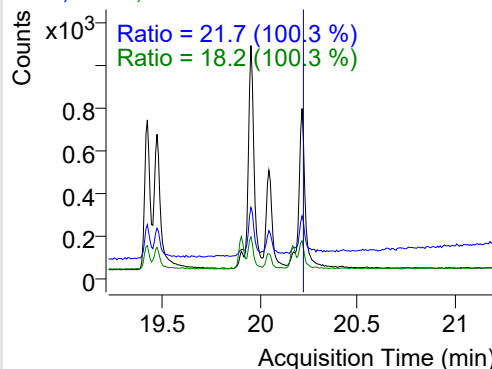


Perylene

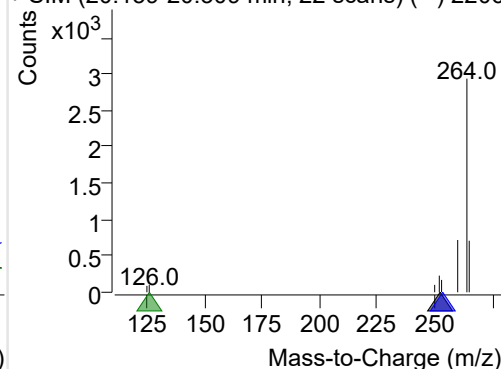
+ Selected Ion (252.0) 220607-PAHs-026.D



252.0, 253.0, 126.0

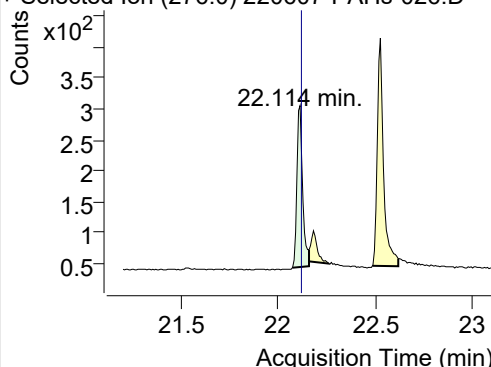


+ SIM (20.159-20.309 min, 22 scans) (**) 2206

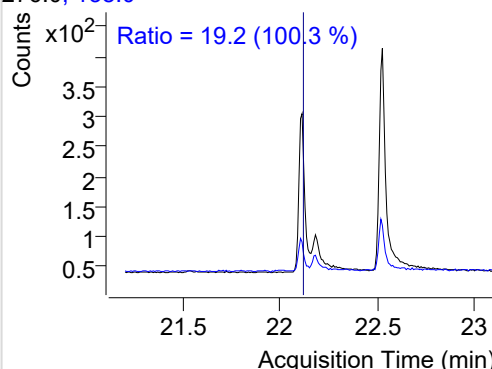


Indeno(1,2,3-c,d)pyrene

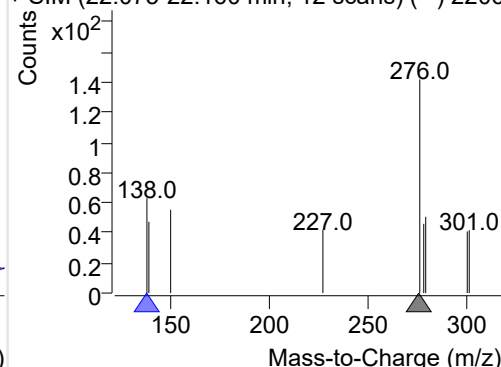
+ Selected Ion (276.0) 220607-PAHs-026.D



276.0, 138.0

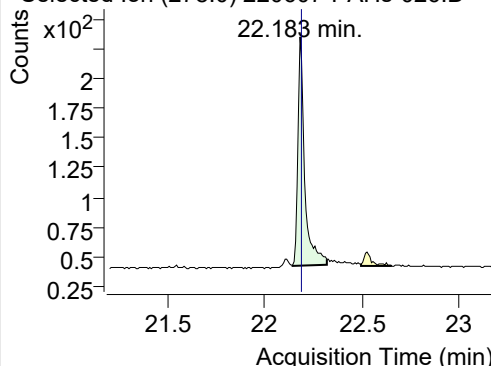


+ SIM (22.075-22.160 min, 12 scans) (**) 2206

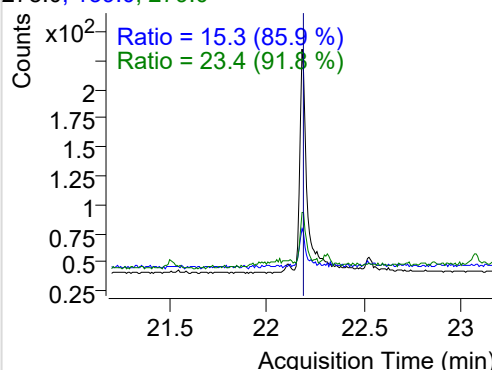


Dibenz(a,h)anthracene

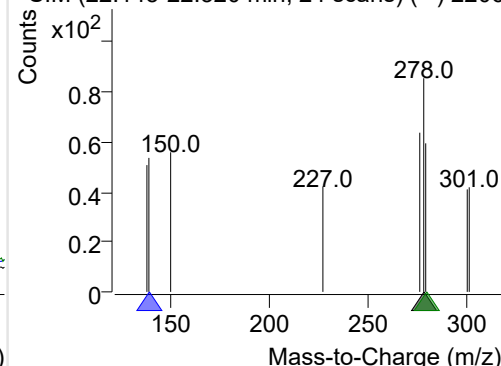
+ Selected Ion (278.0) 220607-PAHs-026.D



278.0, 139.0, 279.0

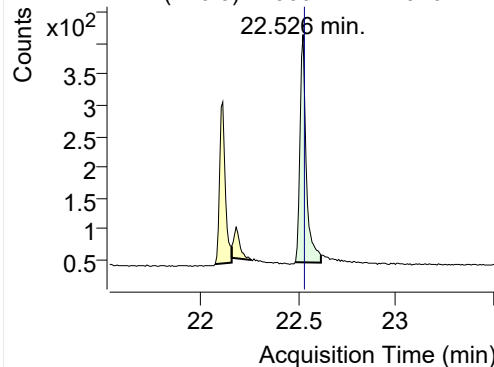


+ SIM (22.145-22.320 min, 24 scans) (**) 2206

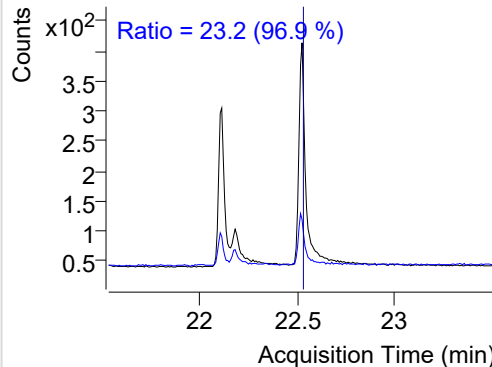


Benzo(g,h,i)perylene

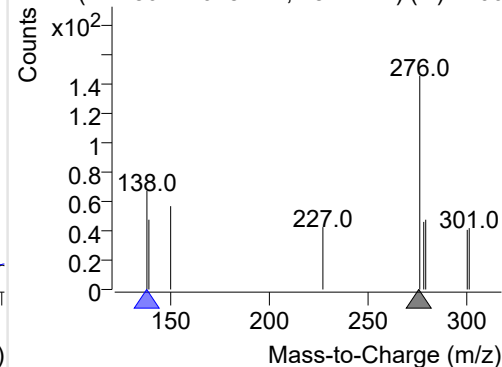
+ Selected Ion (276.0) 220607-PAHs-026.D



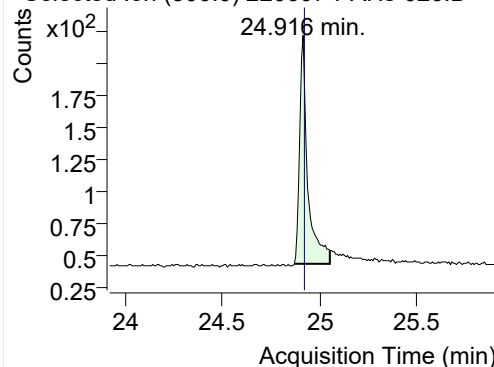
276.0, 138.0



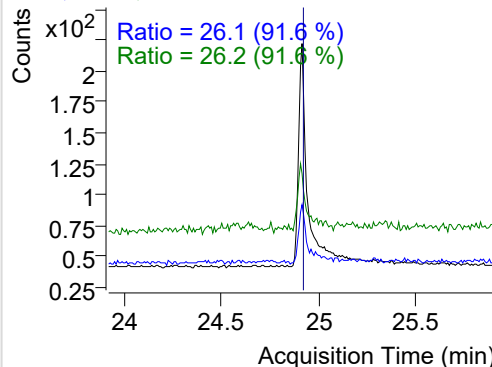
+ SIM (22.486-22.618 min, 18 scans) (**) 2206

**Coronene**

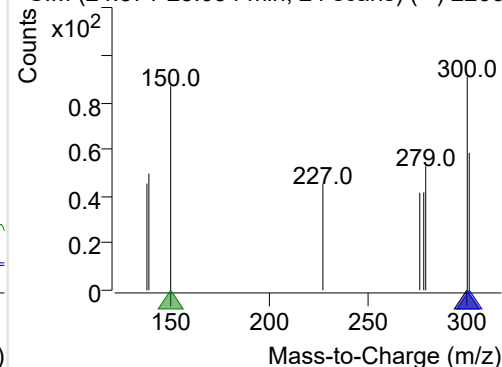
+ Selected Ion (300.0) 220607-PAHs-026.D



300.0, 301.0, 150.0



+ SIM (24.871-25.054 min, 24 scans) (**) 2206



Quantitative Analysis Sample Based Report

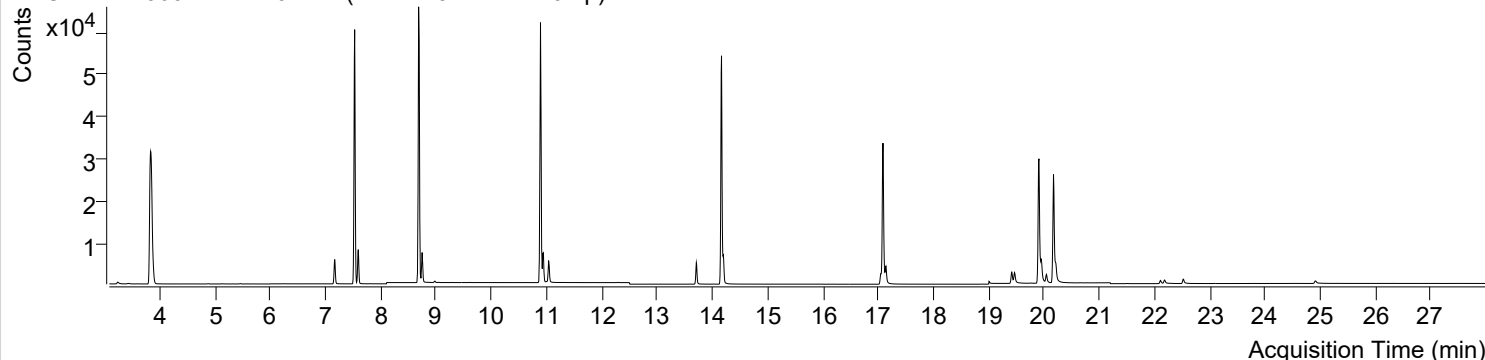


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-09 오후 11:27:59	Data File	220607-PAHs-027.D
Type	Sample	Name	PAHs-19mix-STD-0.1p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

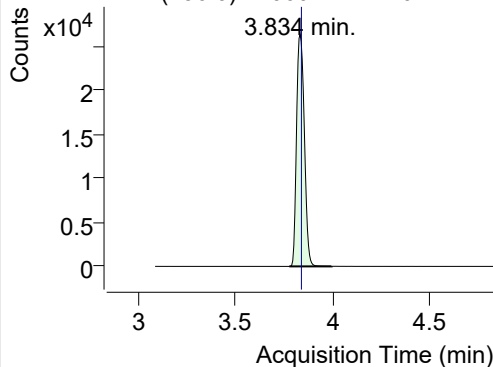
+ TIC SIM 220607-PAHs-027.D (PAHs-19mix-STD-0.1p)



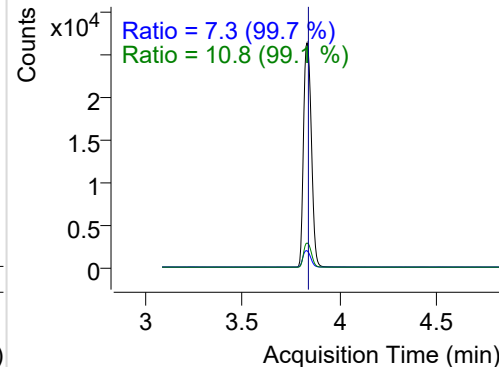
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.834	136.0	73753	26300.71	ND ng/ml	10.8
Naphthalene	3.861	128.0	9267	3273.75	ND ng/ml	13.1
Acenaphthylene	7.165	152.0	6863	4338.55	ND ng/ml	19.7
IS-D10-Acenaphthene	7.526	164.0	42408	29184.55	ND ng/ml	95.1
Acenaphthene	7.591	154.0	4353	2874.01	ND ng/ml	107.0
LSS-D10-Fluorene	8.684	176.0	46723	28884.72	ND ng/ml	92.4
Fluorene	8.747	166.0	5040	3325.29	ND ng/ml	92.9
IS-D10-Phenanthrene	10.889	188.0	72341	49131.97	ND ng/ml	15.0
Phenanthrene	10.942	178.0	7323	4479.14	ND ng/ml	19.4
Anthracene	11.036	178.0	5617	3380.00	ND ng/ml	18.9
Fluoranthene	13.710	202.0	6024	3881.63	ND ng/ml	17.2
LSS-D10-Pyrene	14.165	212.0	59616	40204.42	ND ng/ml	18.8
Pyrene	14.198	202.0	7430	4449.91	ND ng/ml	19.0
Benz(a)anthracene	17.049	228.0	3289	1665.00	ND ng/ml	25.1
IS-D12-Chrysene	17.087	240.0	44707	25117.28	ND ng/ml	18.8
Chrysene	17.141	228.0	4658	2434.19	ND ng/ml	29.1
Benzo(b)fluoranthene	19.419	252.0	2788	1536.00	ND ng/ml	22.6
Benzo(k)fluoranthene	19.469	252.0	3638	1477.50	ND ng/ml	19.6
SS-D12-Benzo(e)pyrene	19.910	264.0	39595	20054.07	ND ng/ml	25.4
Benzo(e)pyrene	19.953	252.0	4652	2295.90	ND ng/ml	21.5
Benzo(a)pyrene	20.045	252.0	2056	1072.78	ND ng/ml	22.9
IS-D12-Perylene	20.173	264.0	32993	17538.44	ND ng/ml	23.7
Perylene	20.216	252.0	3434	1655.46	ND ng/ml	23.4
Indeno(1,2,3-c,d)pyrene	22.107	276.0	1237	597.01	ND ng/ml	19.6
Dibenz(a,h)anthracene	22.183	278.0	1156	463.80	ND ng/ml	22.3
Benzo(g,h,i)perylene	22.519	276.0	2019	823.96	ND ng/ml	21.9
Coronene	24.917	300.0	1259	390.65	ND ng/ml	28.4

IS-D8-Naphthalene

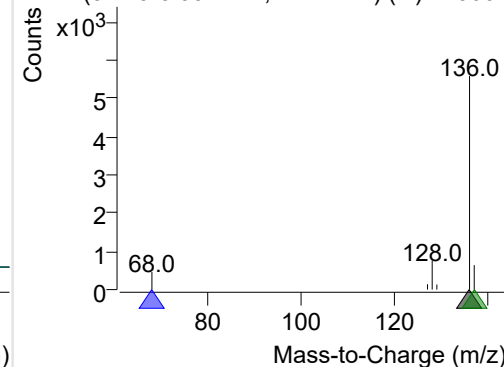
+ Selected Ion (136.0) 220607-PAHs-027.D



136.0, 68.0, 137.0

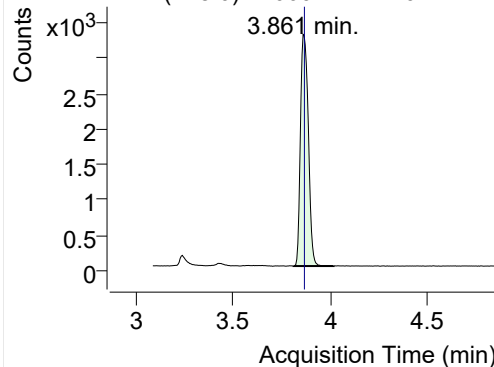


+ SIM (3.779-3.997 min, 41 scans) (**) 220607

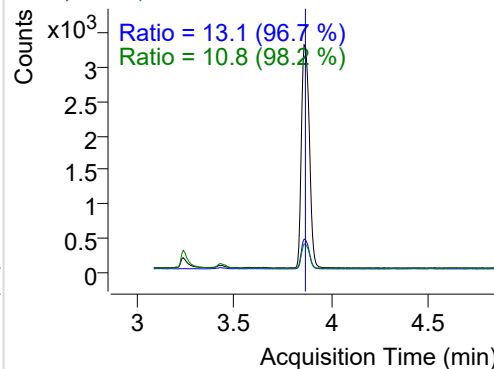


Naphthalene

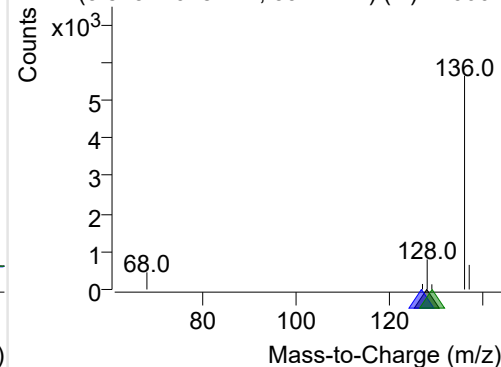
+ Selected Ion (128.0) 220607-PAHs-027.D



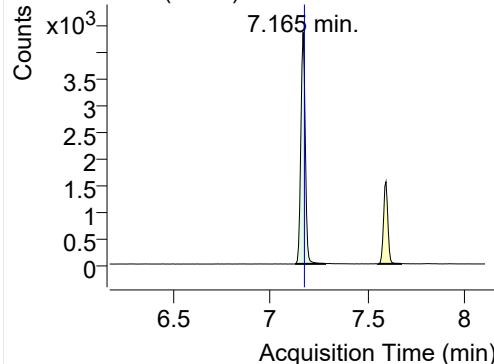
128.0, 127.0, 129.0



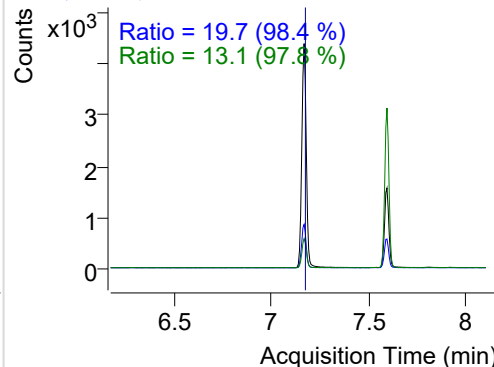
+ SIM (3.813-4.018 min, 39 scans) (**) 220607

**Acenaphthylene**

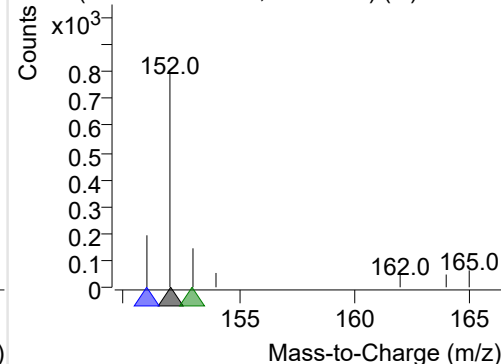
+ Selected Ion (152.0) 220607-PAHs-027.D



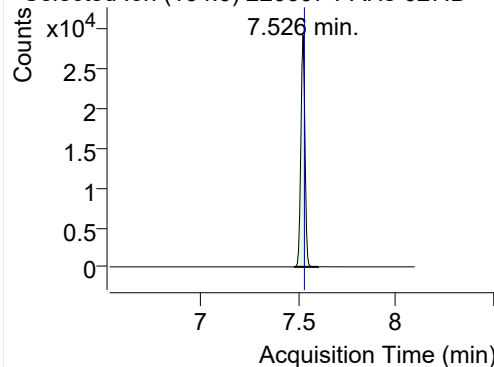
152.0, 151.0, 153.0



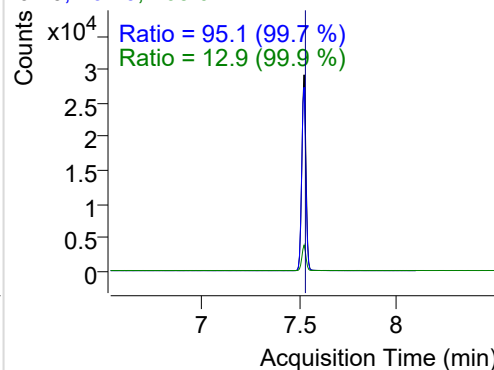
+ SIM (7.124-7.278 min, 26 scans) (**) 220607

**IS-D10-Acenaphthene**

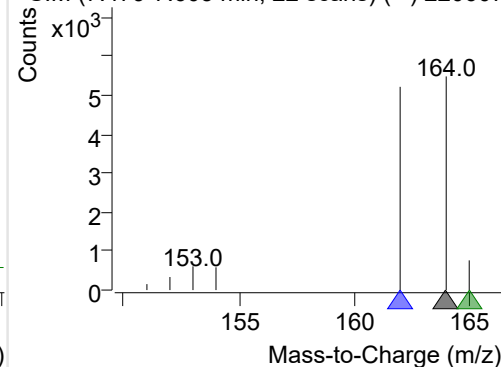
+ Selected Ion (164.0) 220607-PAHs-027.D



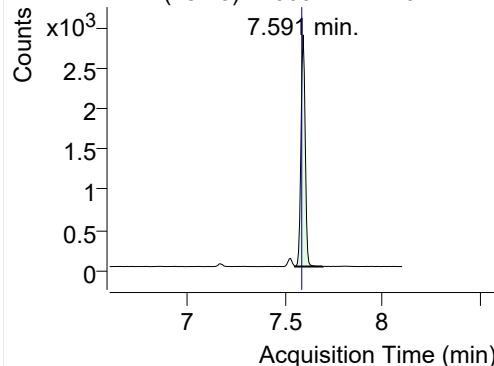
164.0, 162.0, 165.0



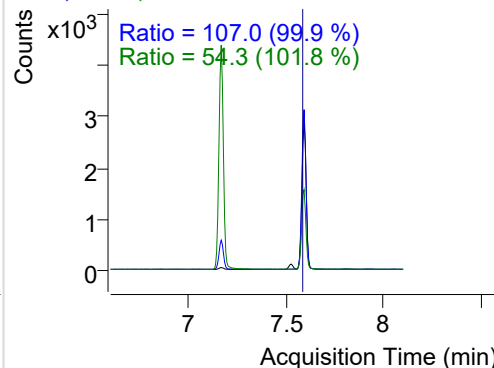
+ SIM (7.479-7.603 min, 22 scans) (**) 220607

**Acenaphthene**

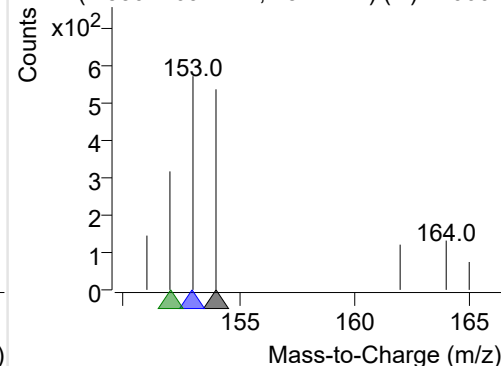
+ Selected Ion (154.0) 220607-PAHs-027.D



154.0, 153.0, 152.0

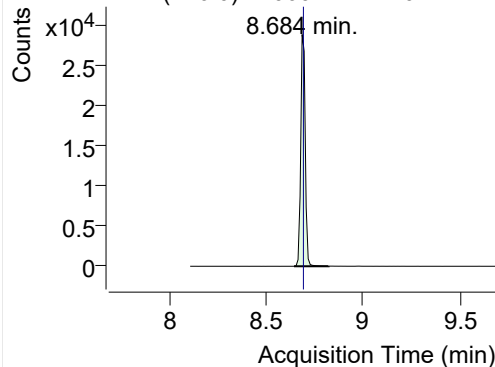


+ SIM (7.550-7.692 min, 25 scans) (**) 220607

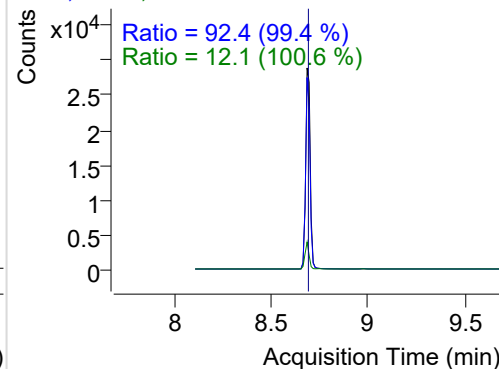


LSS-D10-Fluorene

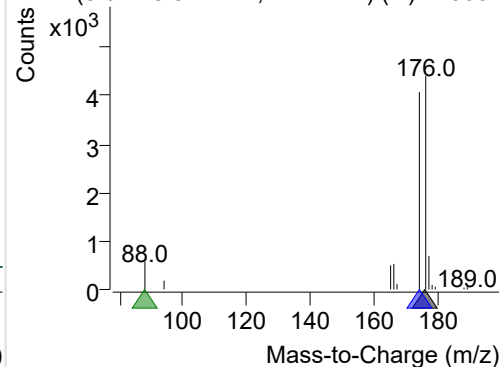
+ Selected Ion (176.0) 220607-PAHs-027.D



176.0, 174.0, 88.0

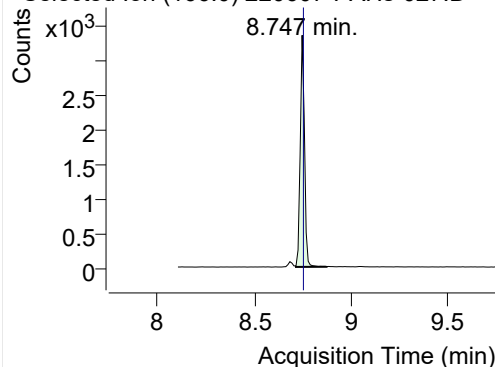


+ SIM (8.642-8.821 min, 17 scans) (**) 220607

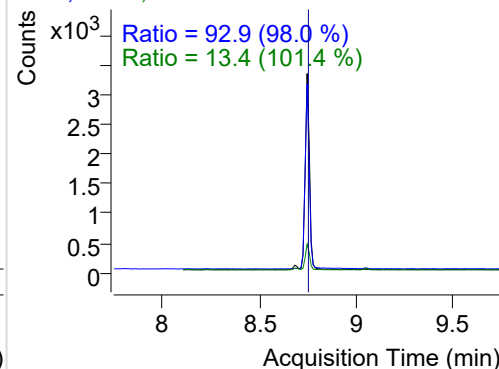


Fluorene

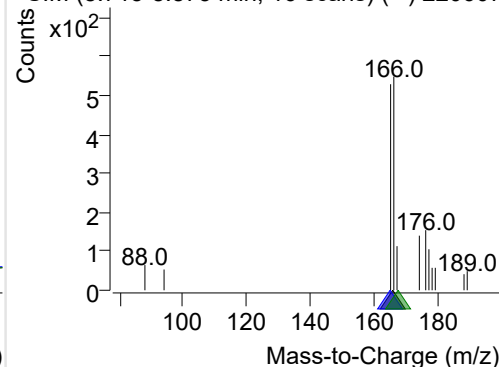
+ Selected Ion (166.0) 220607-PAHs-027.D



166.0, 165.0, 167.0

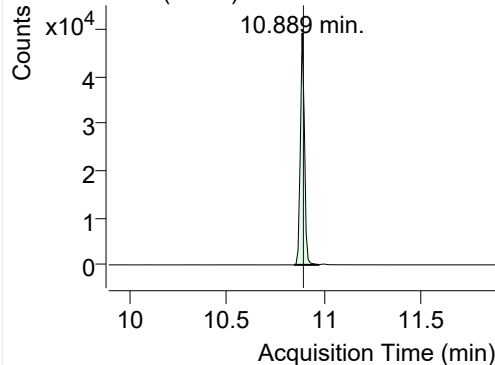


+ SIM (8.715-8.873 min, 16 scans) (**) 220607

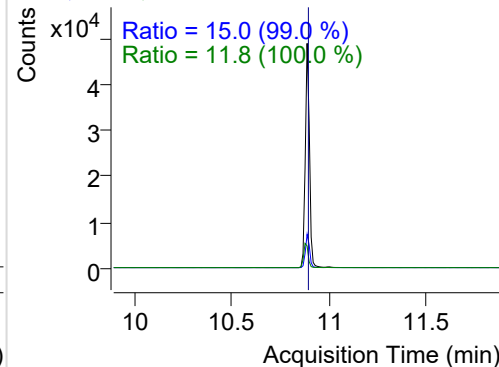


IS-D10-Phenanthrene

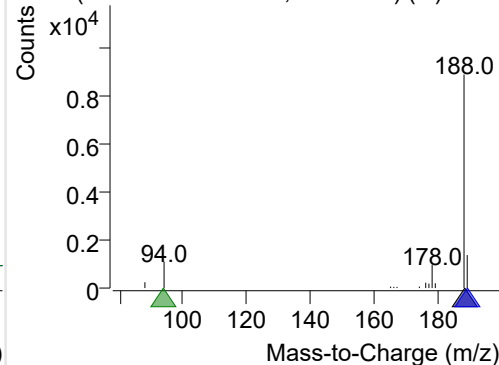
+ Selected Ion (188.0) 220607-PAHs-027.D



188.0, 189.0, 94.0

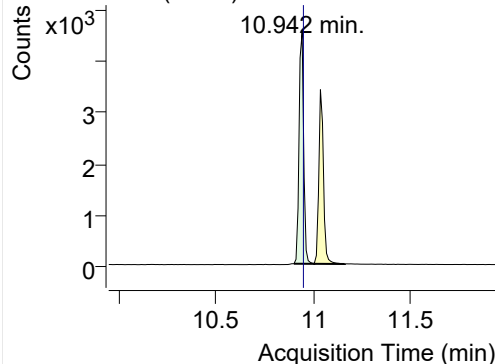


+ SIM (10.847-10.973 min, 13 scans) (**) 2206

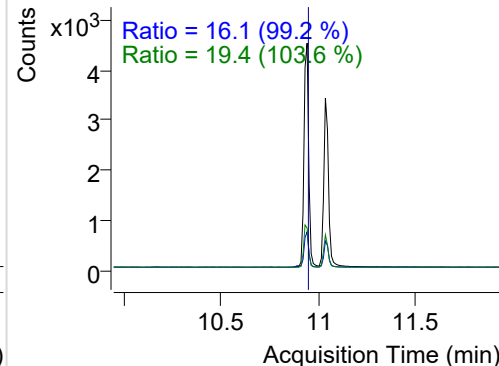


Phenanthrene

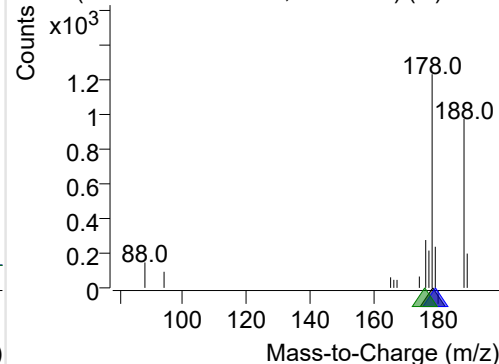
+ Selected Ion (178.0) 220607-PAHs-027.D



178.0, 179.0, 176.0

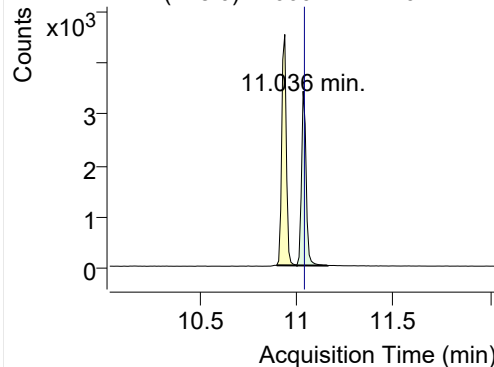


+ SIM (10.900-11.005 min, 10 scans) (**) 2206

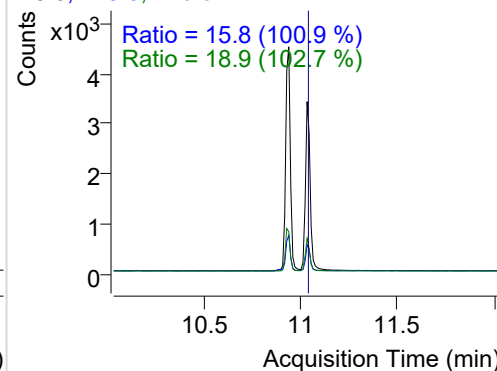


Anthracene

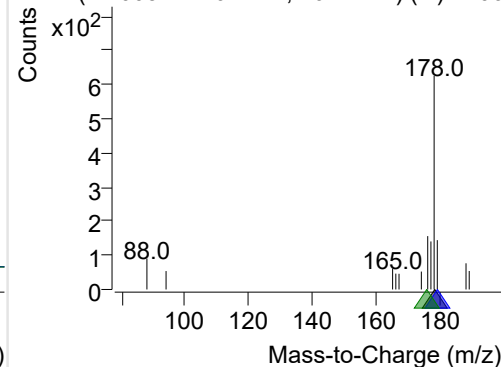
+ Selected Ion (178.0) 220607-PAHs-027.D



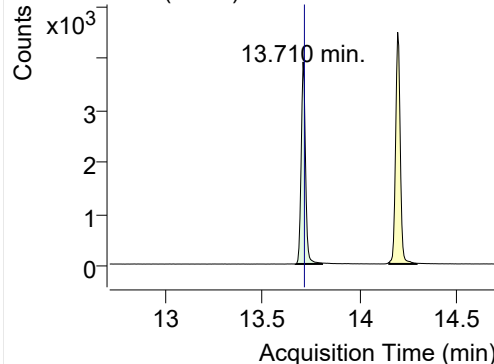
178.0, 179.0, 176.0



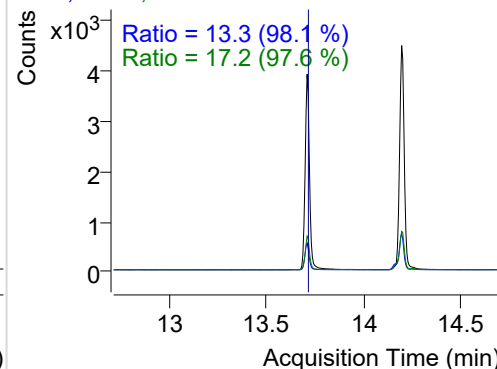
+ SIM (11.005-11.162 min, 16 scans) (**) 2206

**Fluoranthene**

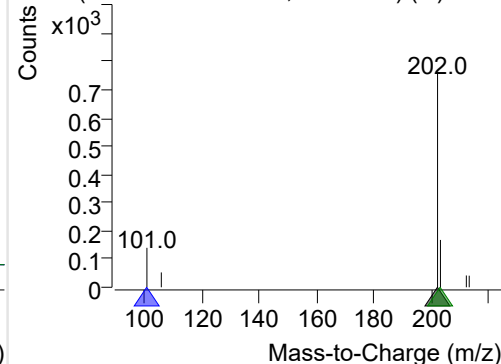
+ Selected Ion (202.0) 220607-PAHs-027.D



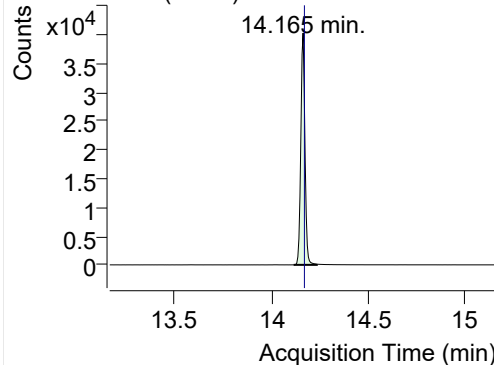
202.0, 101.0, 203.0



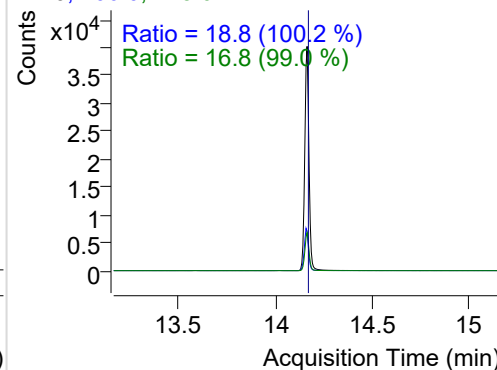
+ SIM (13.672-13.807 min, 26 scans) (**) 2206

**LSS-D10-Pyrene**

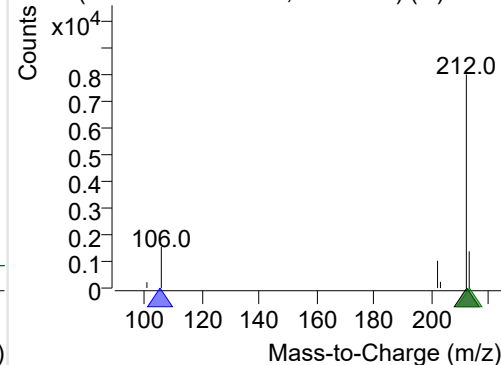
+ Selected Ion (212.0) 220607-PAHs-027.D



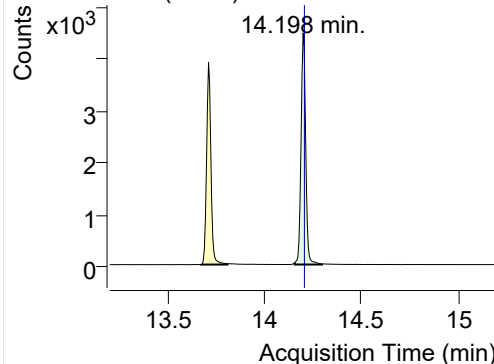
212.0, 106.0, 213.0



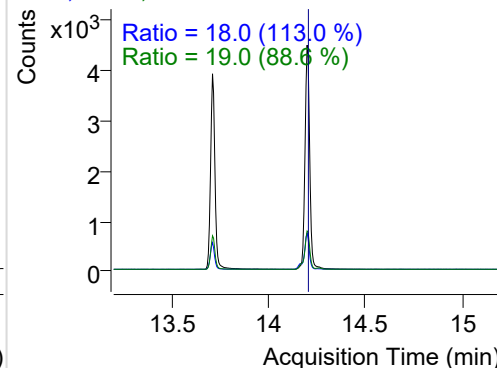
+ SIM (14.116-14.236 min, 23 scans) (**) 2206

**Pyrene**

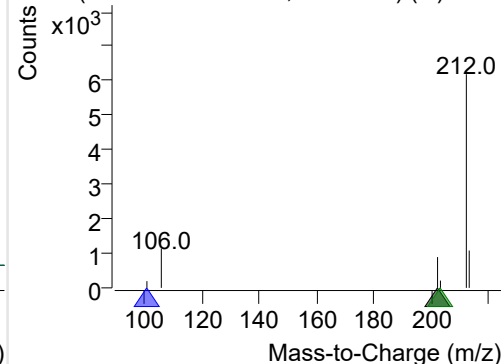
+ Selected Ion (202.0) 220607-PAHs-027.D



202.0, 101.0, 203.0

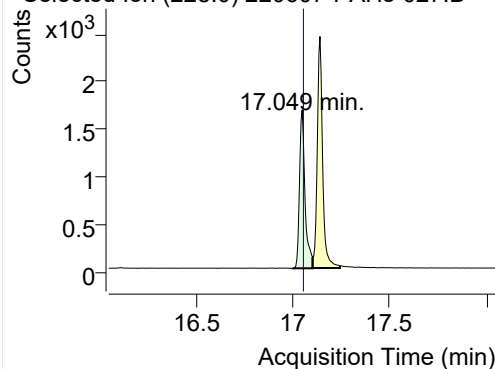


+ SIM (14.154-14.295 min, 27 scans) (**) 2206

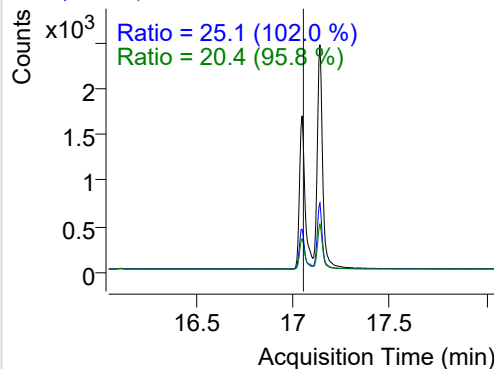


Benz(a)anthracene

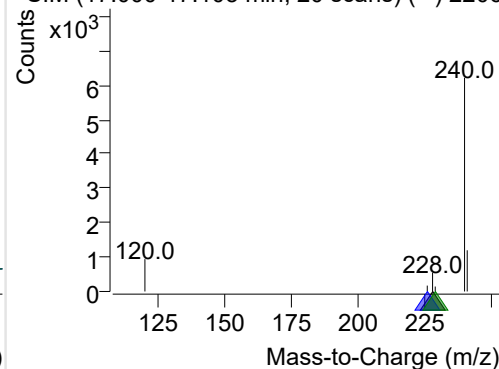
+ Selected Ion (228.0) 220607-PAHs-027.D



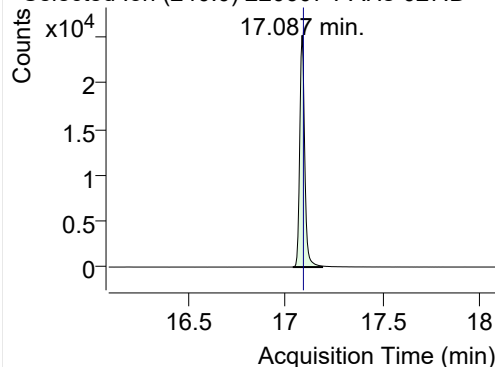
228.0, 226.0, 229.0



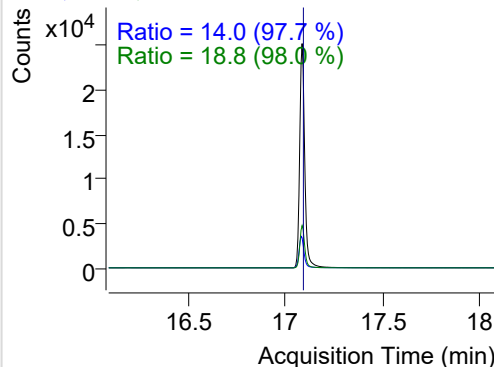
+ SIM (17.000-17.103 min, 20 scans) (**) 2206

**IS-D12-Chrysene**

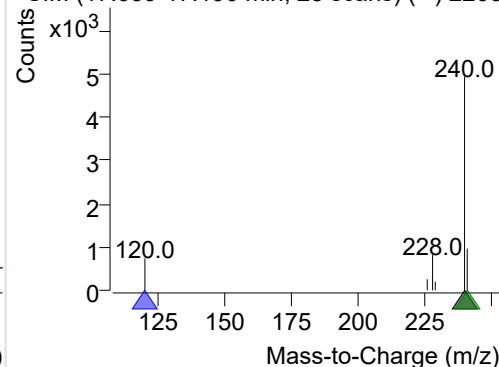
+ Selected Ion (240.0) 220607-PAHs-027.D



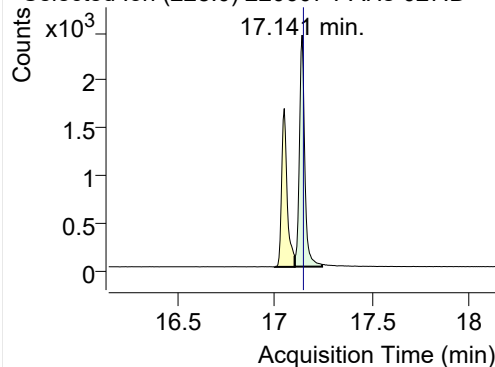
240.0, 120.0, 241.0



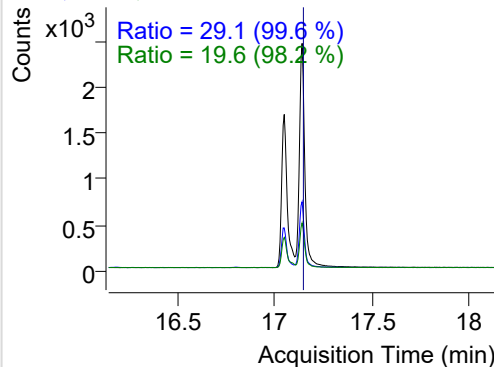
+ SIM (17.039-17.190 min, 28 scans) (**) 2206

**Chrysene**

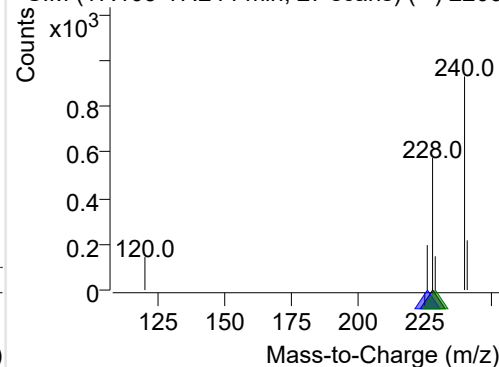
+ Selected Ion (228.0) 220607-PAHs-027.D



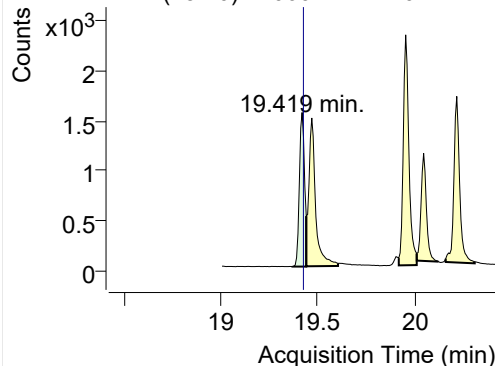
228.0, 226.0, 229.0



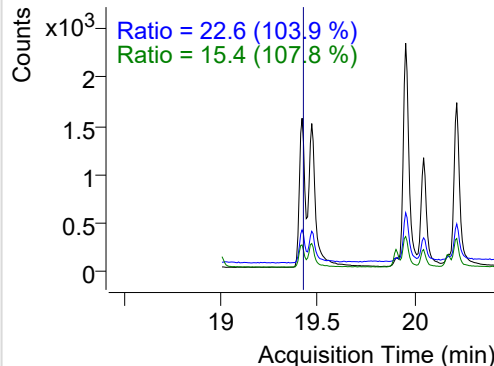
+ SIM (17.103-17.244 min, 27 scans) (**) 2206

**Benzo(b)fluoranthene**

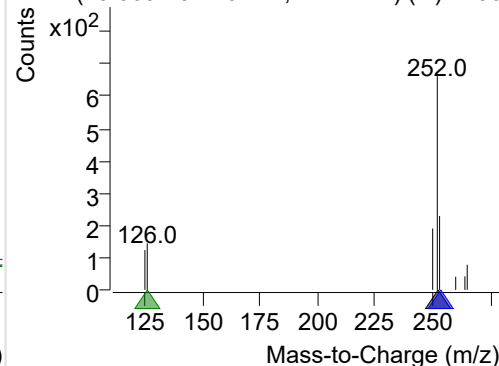
+ Selected Ion (252.0) 220607-PAHs-027.D



252.0, 253.0, 126.0

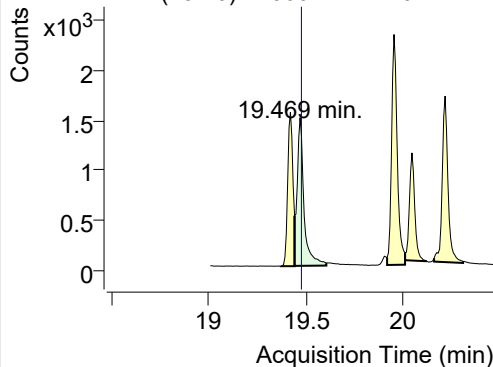


+ SIM (19.369-19.440 min, 11 scans) (**) 2206

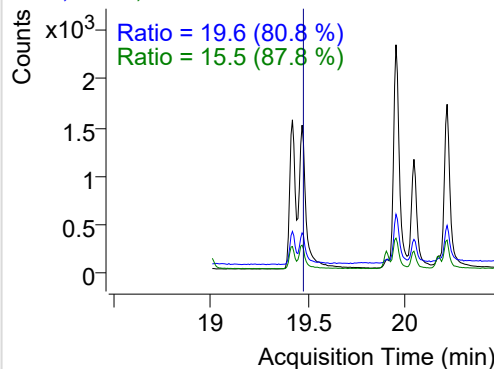


Benzo(k)fluoranthene

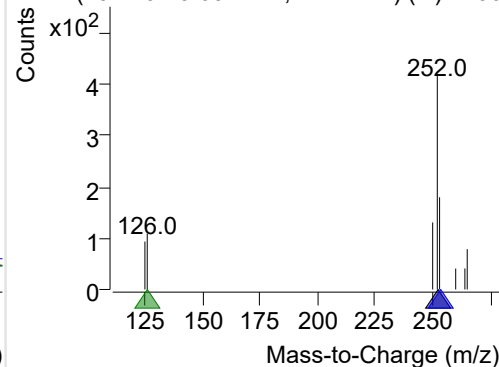
+ Selected Ion (252.0) 220607-PAHs-027.D



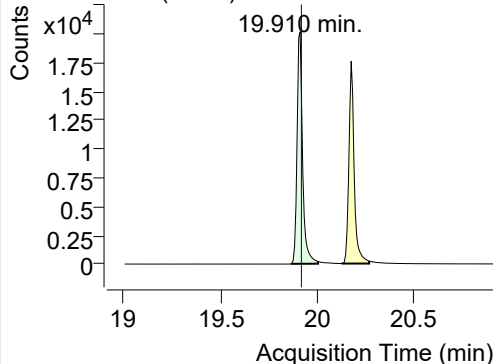
252.0, 253.0, 126.0



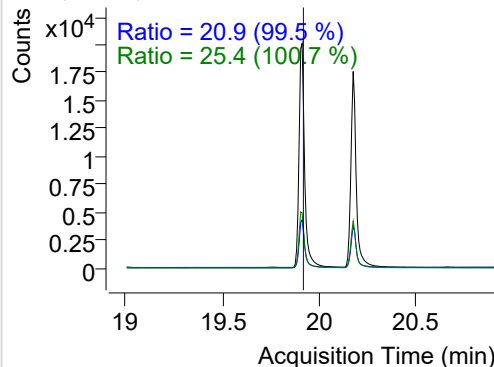
+ SIM (19.440-19.604 min, 24 scans) (**) 2206

**SS-D12-Benzo(e)pyrene**

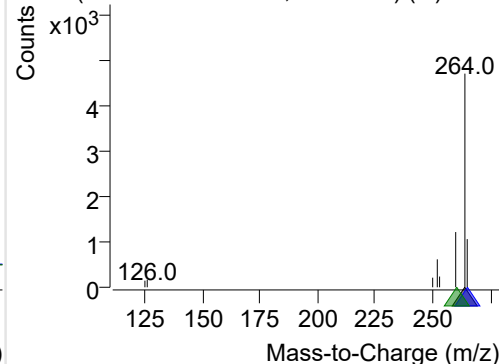
+ Selected Ion (264.0) 220607-PAHs-027.D



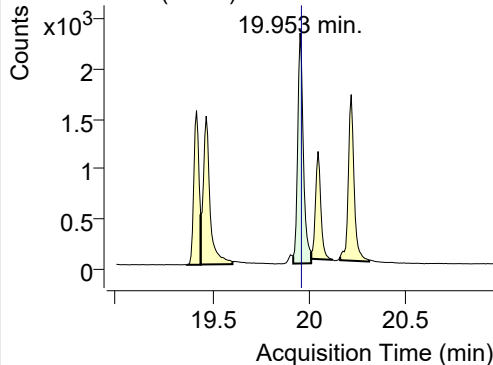
264.0, 265.0, 260.0



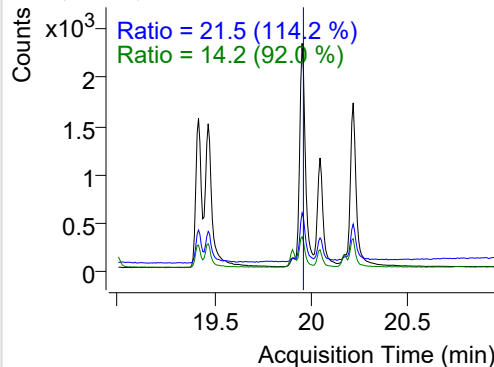
+ SIM (19.863-20.003 min, 20 scans) (**) 2206

**Benzo(e)pyrene**

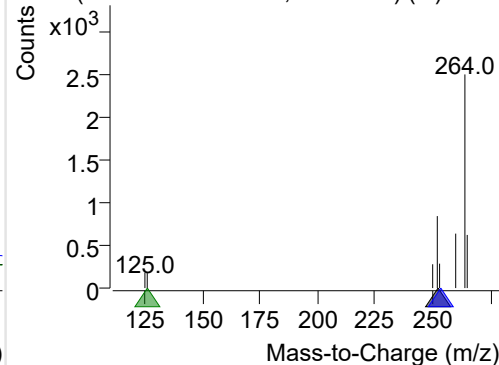
+ Selected Ion (252.0) 220607-PAHs-027.D



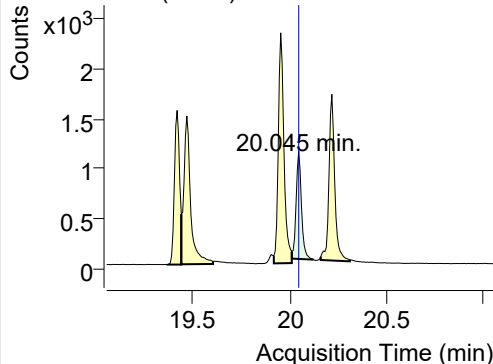
252.0, 253.0, 126.0



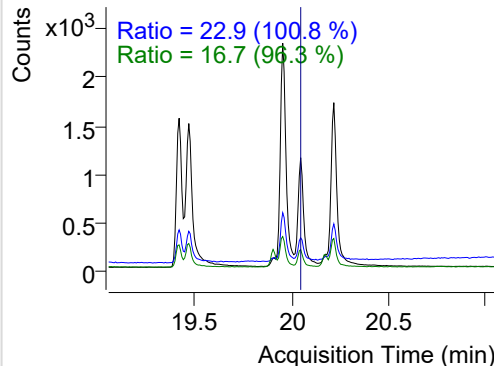
+ SIM (19.917-20.010 min, 14 scans) (**) 2206

**Benzo(a)pyrene**

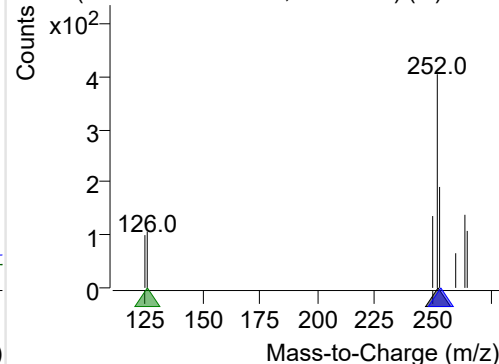
+ Selected Ion (252.0) 220607-PAHs-027.D



252.0, 253.0, 126.0

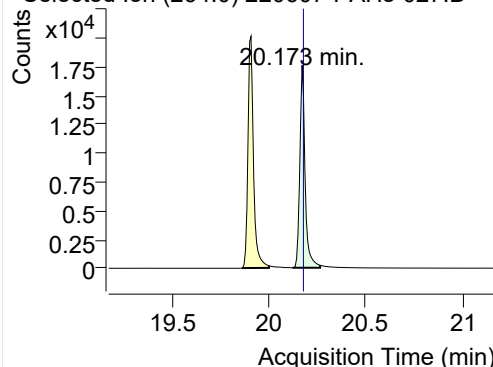


+ SIM (20.010-20.122 min, 16 scans) (**) 2206

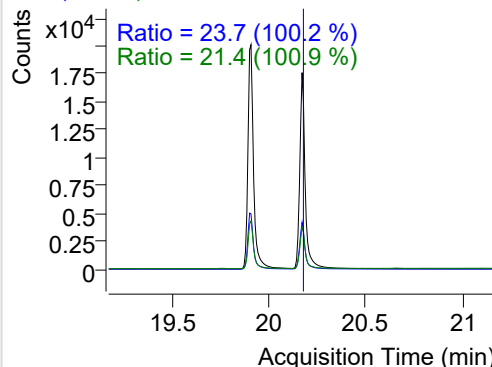


IS-D12-Perylene

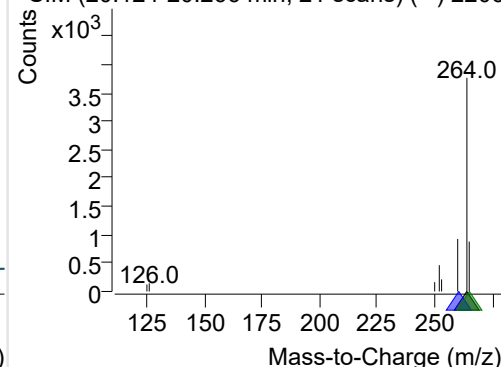
+ Selected Ion (264.0) 220607-PAHs-027.D



264.0, 260.0, 265.0

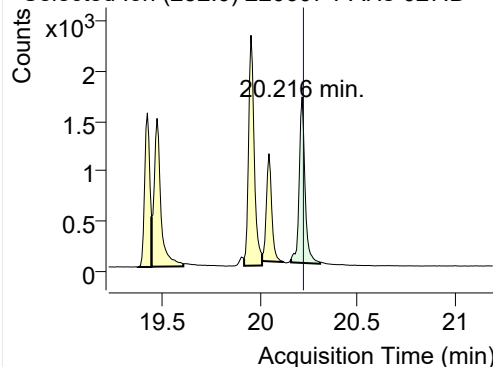


+ SIM (20.124-20.266 min, 21 scans) (**) 2206

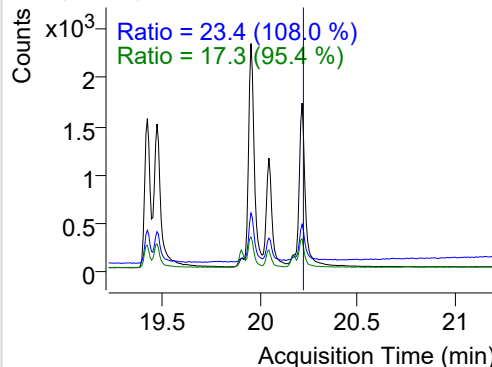


Perylene

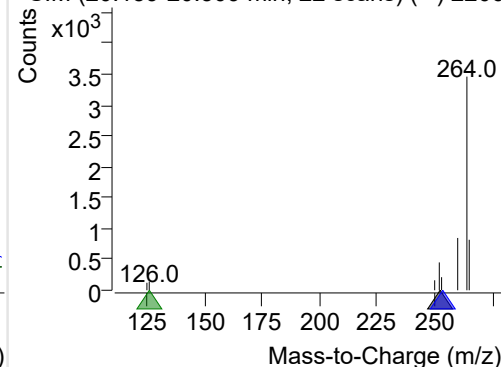
+ Selected Ion (252.0) 220607-PAHs-027.D



252.0, 253.0, 126.0

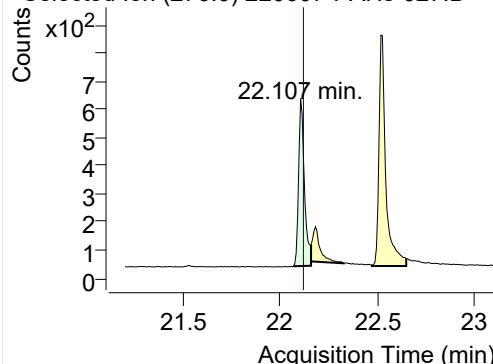


+ SIM (20.159-20.309 min, 22 scans) (**) 2206

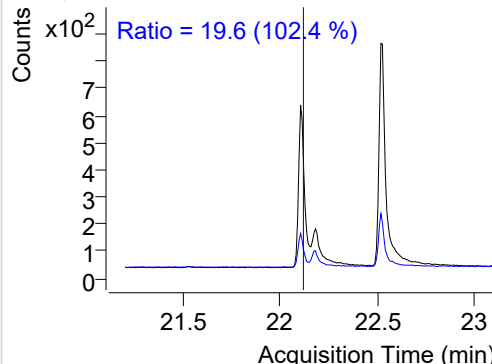


Indeno(1,2,3-c,d)pyrene

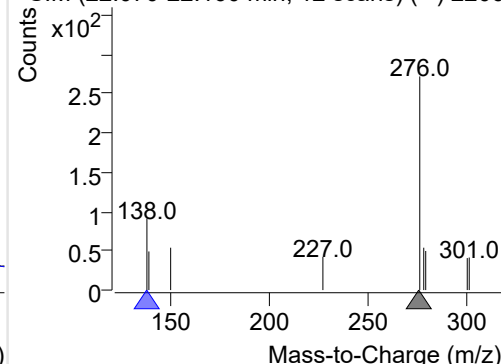
+ Selected Ion (276.0) 220607-PAHs-027.D



276.0, 138.0

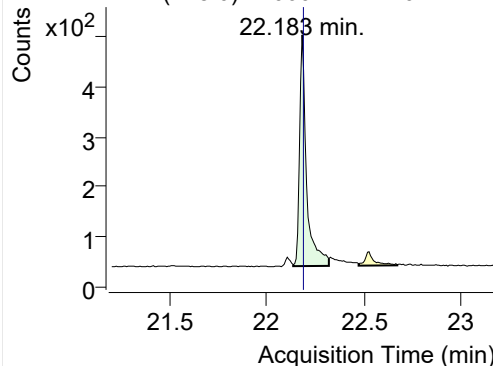


+ SIM (22.070-22.160 min, 12 scans) (**) 2206

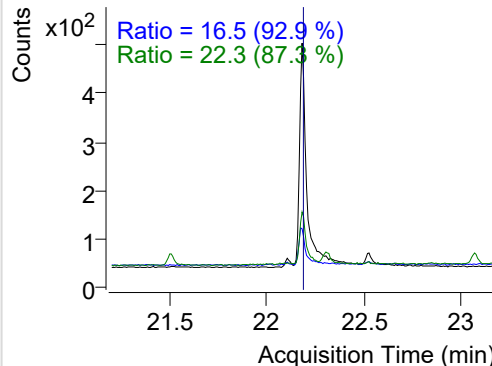


Dibenz(a,h)anthracene

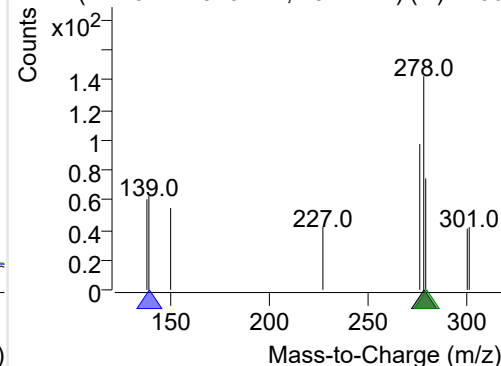
+ Selected Ion (278.0) 220607-PAHs-027.D



278.0, 139.0, 279.0

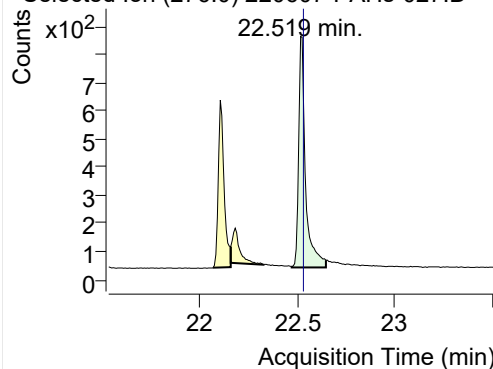


+ SIM (22.137-22.320 min, 25 scans) (**) 2206

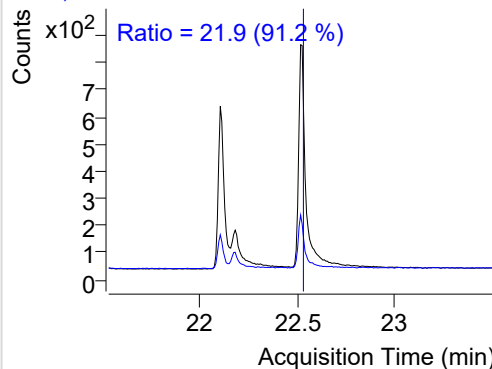


Benzo(g,h,i)perylene

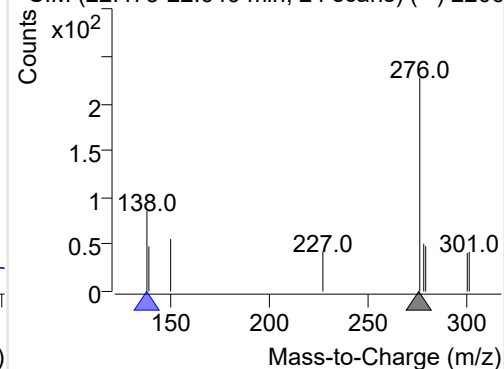
+ Selected Ion (276.0) 220607-PAHs-027.D



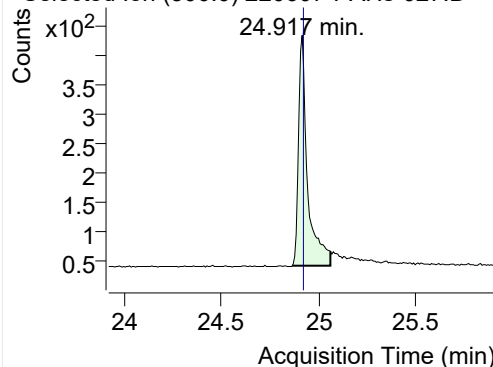
276.0, 138.0



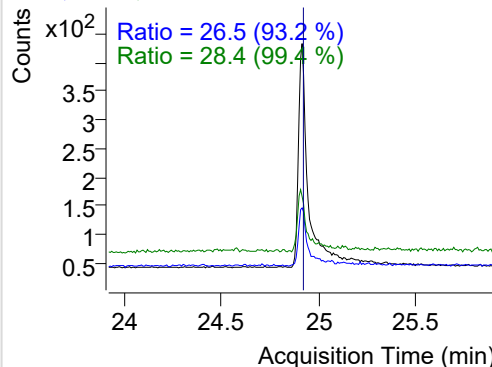
+ SIM (22.473-22.649 min, 24 scans) (**) 2206

**Coronene**

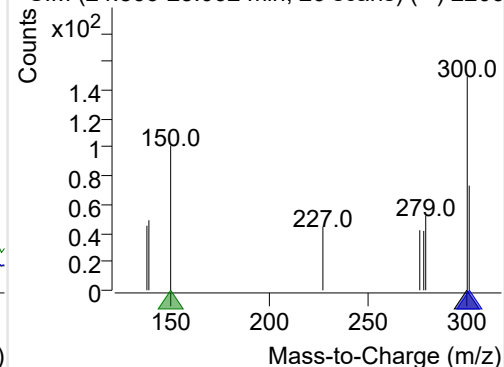
+ Selected Ion (300.0) 220607-PAHs-027.D



300.0, 301.0, 150.0



+ SIM (24.866-25.062 min, 26 scans) (**) 2206



Quantitative Analysis Sample Based Report

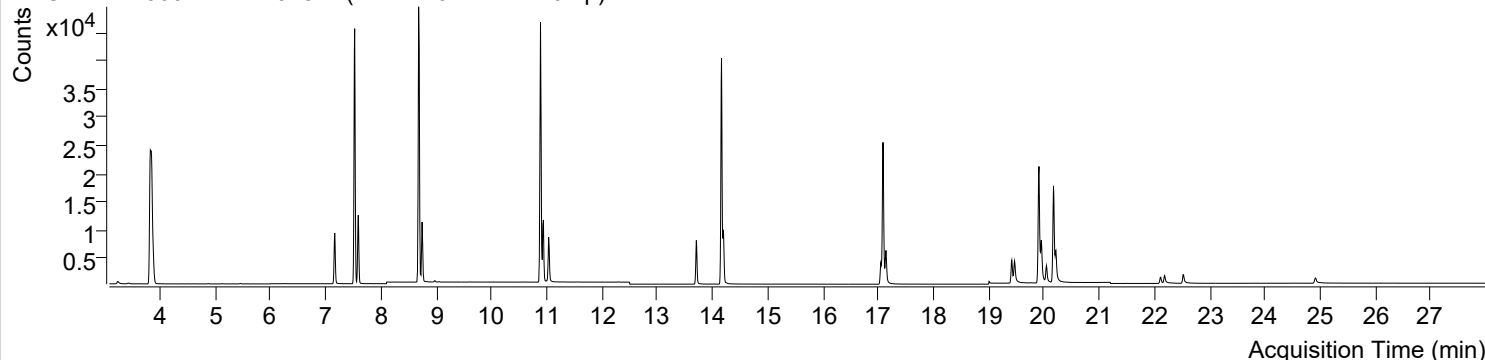


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-09 오후 11:59:08	Data File	220607-PAHs-028.D
Type	Sample	Name	PAHs-19mix-STD-0.2p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

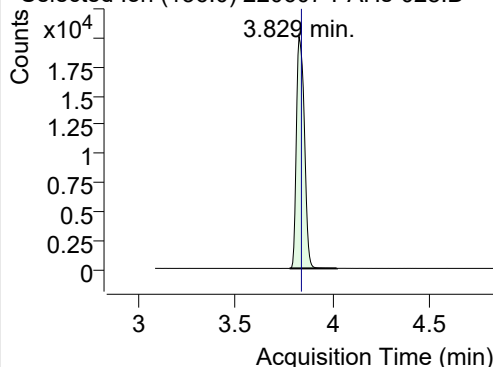
+ TIC SIM 220607-PAHs-028.D (PAHs-19mix-STD-0.2p)



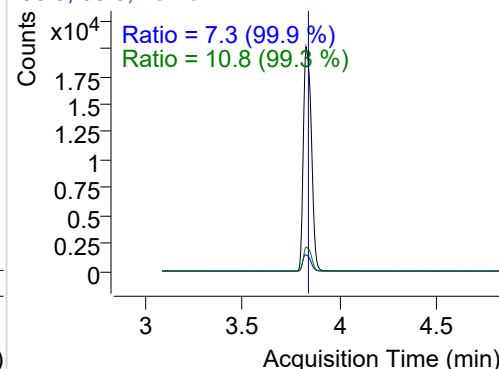
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.829	136.0	57525	20085.77	ND ng/ml	10.8
Naphthalene	3.861	128.0	13962	4867.06	ND ng/ml	13.0
Acenaphthylene	7.165	152.0	10622	6794.44	ND ng/ml	19.7
IS-D10-Acenaphthene	7.526	164.0	32294	21920.71	ND ng/ml	95.7
Acenaphthene	7.591	154.0	6542	4329.05	ND ng/ml	107.5
LSS-D10-Fluorene	8.684	176.0	34921	21588.83	ND ng/ml	92.6
Fluorene	8.747	166.0	7696	5065.82	ND ng/ml	93.5
IS-D10-Phenanthrene	10.889	188.0	55000	36884.10	ND ng/ml	14.9
Phenanthrene	10.942	178.0	11553	7250.89	ND ng/ml	18.8
Anthracene	11.036	178.0	8625	5217.83	ND ng/ml	18.9
Fluoranthene	13.710	202.0	9322	5939.94	ND ng/ml	17.0
LSS-D10-Pyrene	14.165	212.0	44127	29837.78	ND ng/ml	18.7
Pyrene	14.197	202.0	11193	6679.18	ND ng/ml	17.9
Benz(a)anthracene	17.049	228.0	4919	2597.42	ND ng/ml	26.0
IS-D12-Chrysene	17.087	240.0	33466	18684.36	ND ng/ml	18.9
Chrysene	17.141	228.0	7119	3682.19	ND ng/ml	28.7
Benzo(b)fluoranthene	19.419	252.0	4181	2376.10	ND ng/ml	23.1
Benzo(k)fluoranthene	19.469	252.0	5459	2263.76	ND ng/ml	20.8
SS-D12-Benzo(e)pyrene	19.910	264.0	28156	14074.79	ND ng/ml	25.2
Benzo(e)pyrene	19.953	252.0	6804	3446.19	ND ng/ml	22.1
Benzo(a)pyrene	20.045	252.0	3254	1656.96	ND ng/ml	23.9
IS-D12-Perylene	20.173	264.0	23317	11695.86	ND ng/ml	23.3
Perylene	20.216	252.0	4987	2423.50	ND ng/ml	23.2
Indeno(1,2,3-c,d)pyrene	22.114	276.0	1874	885.42	ND ng/ml	19.0
Dibenz(a,h)anthracene	22.183	278.0	1767	737.22	ND ng/ml	23.2
Benzo(g,h,i)perylene	22.519	276.0	3038	1213.17	ND ng/ml	22.5
Coronene	24.916	300.0	1900	610.88	ND ng/ml	26.5

IS-D8-Naphthalene

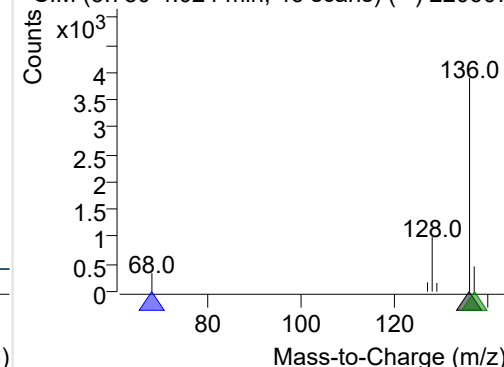
+ Selected Ion (136.0) 220607-PAHs-028.D



136.0, 68.0, 137.0

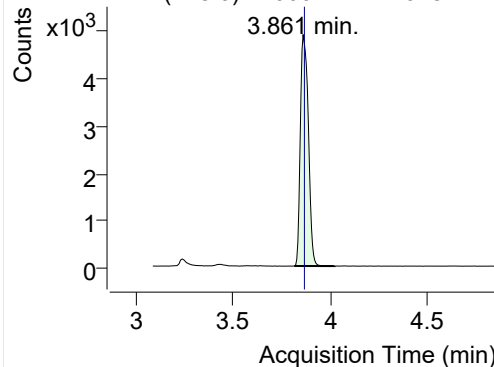


+ SIM (3.780-4.024 min, 46 scans) (**) 220607

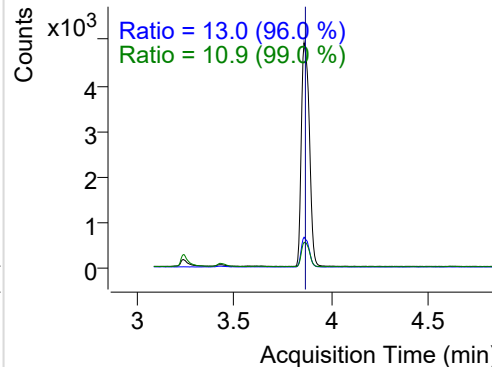


Naphthalene

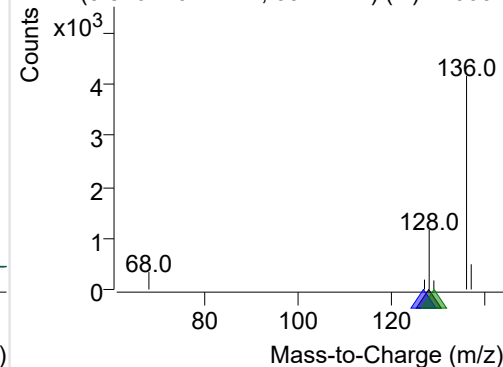
+ Selected Ion (128.0) 220607-PAHs-028.D



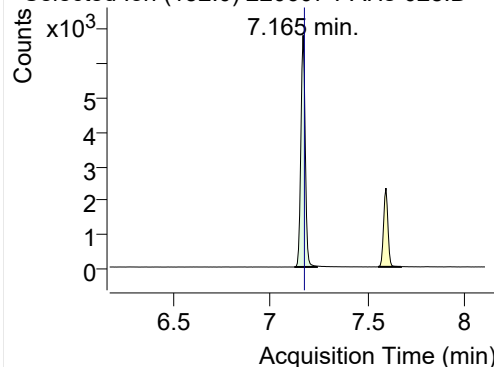
128.0, 127.0, 129.0



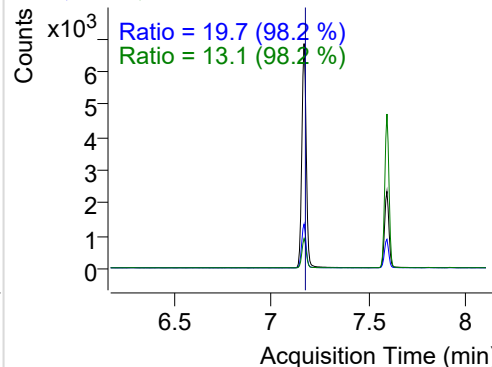
+ SIM (3.816-4.024 min, 39 scans) (**) 220607

**Acenaphthylene**

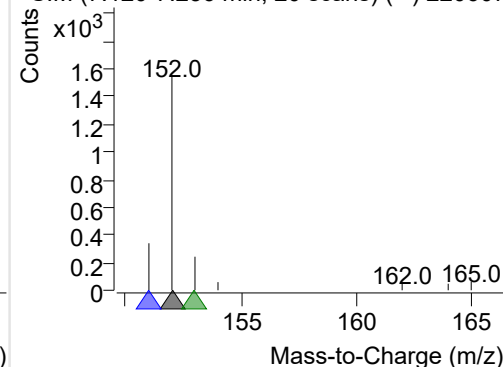
+ Selected Ion (152.0) 220607-PAHs-028.D



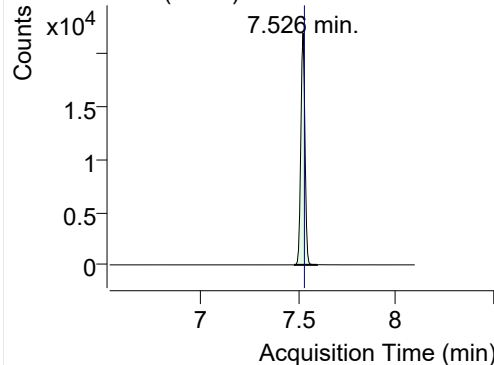
152.0, 151.0, 153.0



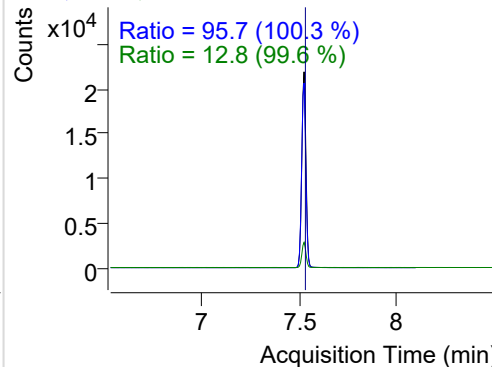
+ SIM (7.120-7.236 min, 20 scans) (**) 220607

**IS-D10-Acenaphthene**

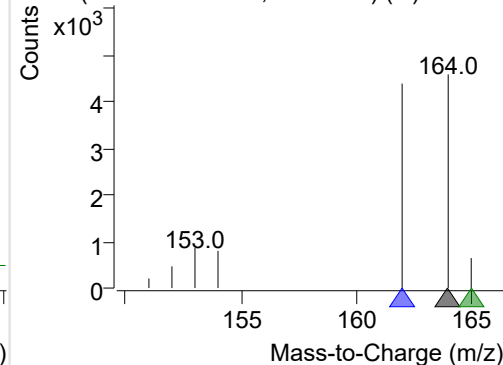
+ Selected Ion (164.0) 220607-PAHs-028.D



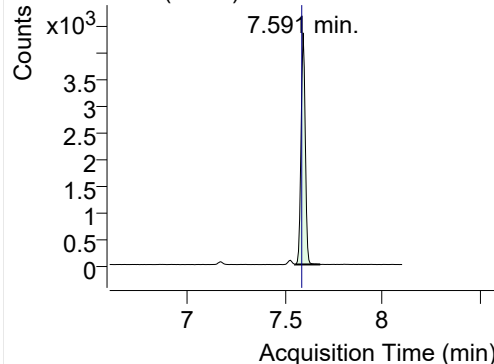
164.0, 162.0, 165.0



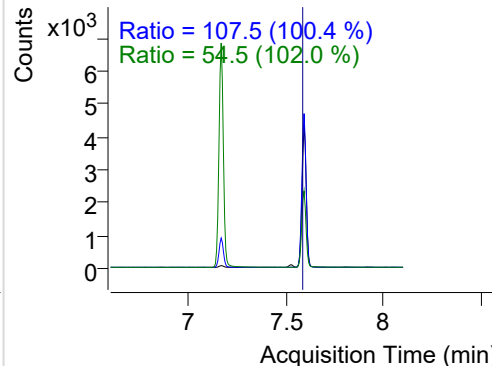
+ SIM (7.479-7.597 min, 20 scans) (**) 220607

**Acenaphthene**

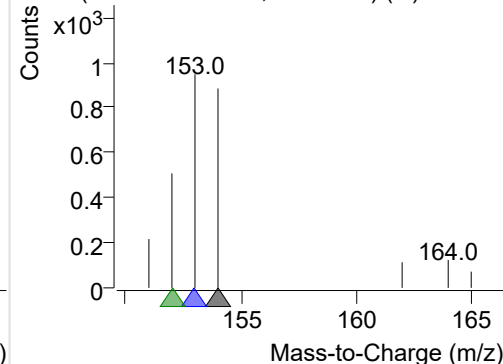
+ Selected Ion (154.0) 220607-PAHs-028.D



154.0, 153.0, 152.0

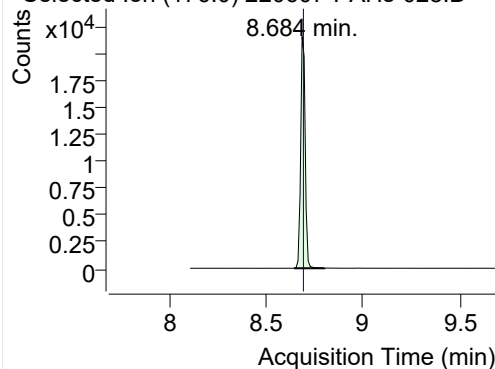


+ SIM (7.550-7.680 min, 22 scans) (**) 220607

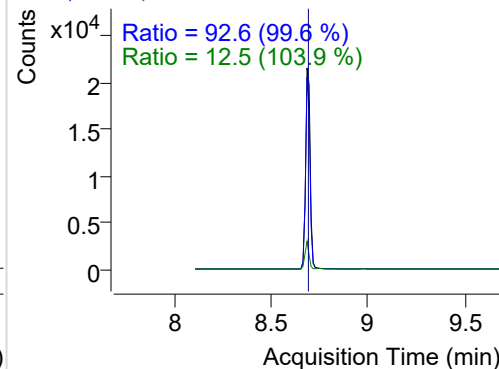


LSS-D10-Fluorene

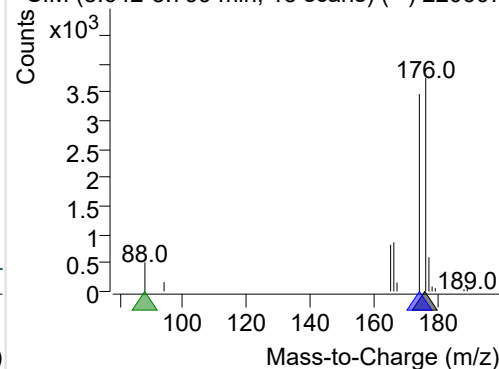
+ Selected Ion (176.0) 220607-PAHs-028.D



176.0, 174.0, 88.0

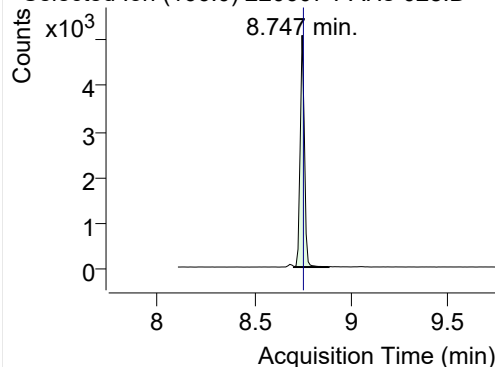


+ SIM (8.642-8.799 min, 15 scans) (**) 220607

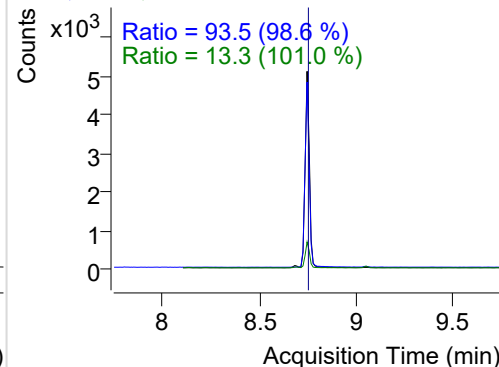


Fluorene

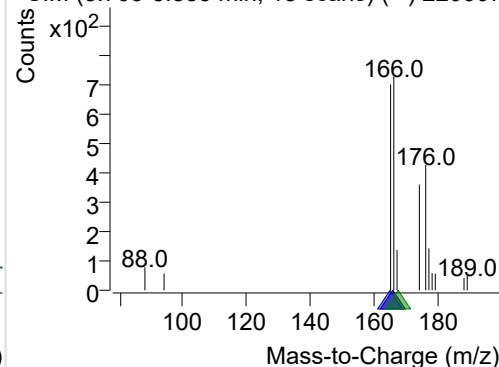
+ Selected Ion (166.0) 220607-PAHs-028.D



166.0, 165.0, 167.0

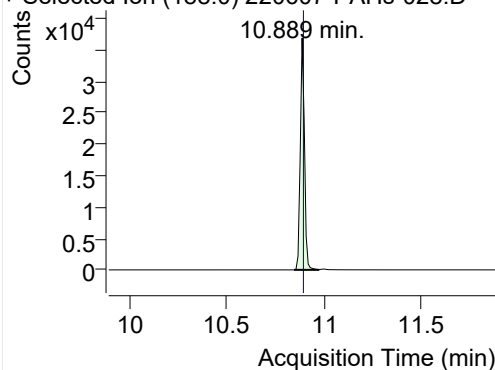


+ SIM (8.705-8.883 min, 18 scans) (**) 220607

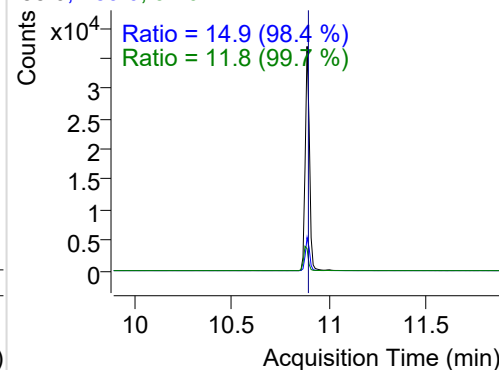


IS-D10-Phenanthrene

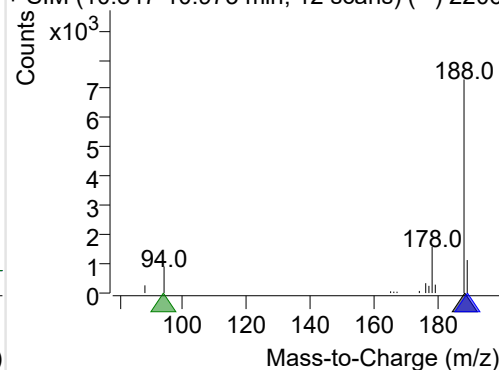
+ Selected Ion (188.0) 220607-PAHs-028.D



188.0, 189.0, 94.0

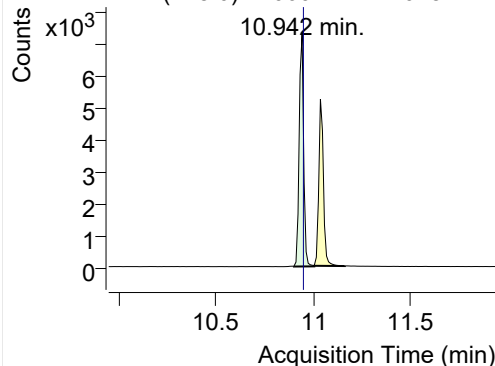


+ SIM (10.847-10.973 min, 12 scans) (**) 2206

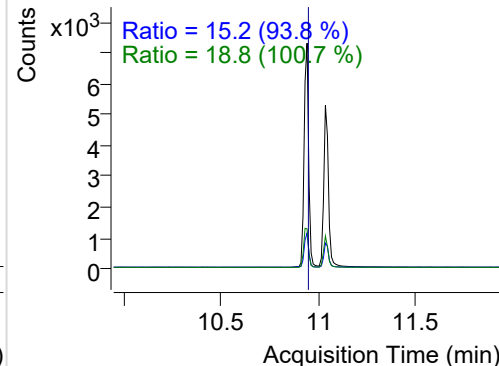


Phenanthrene

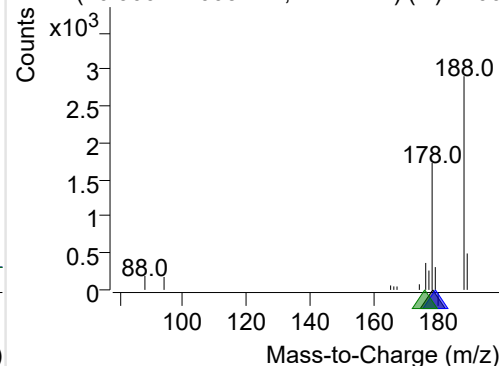
+ Selected Ion (178.0) 220607-PAHs-028.D



178.0, 179.0, 176.0

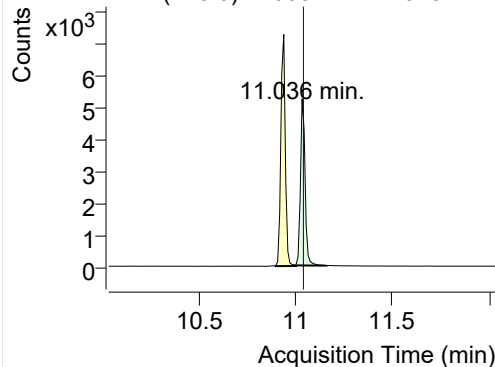


+ SIM (10.900-11.005 min, 11 scans) (**) 2206

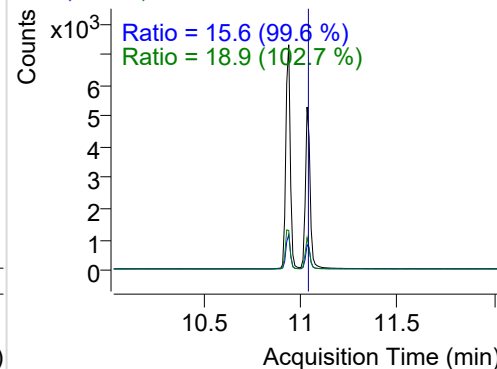


Anthracene

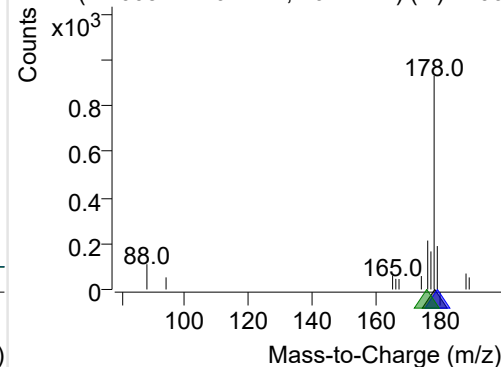
+ Selected Ion (178.0) 220607-PAHs-028.D



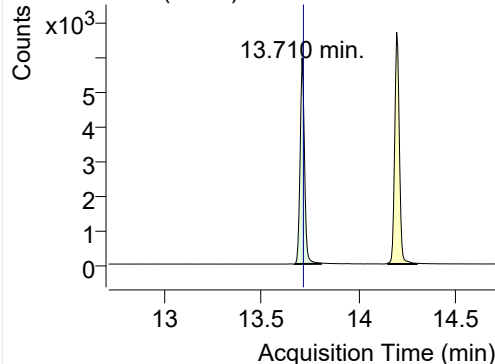
178.0, 179.0, 176.0

Ratio = 15.6 (99.6 %)
Ratio = 18.9 (102.7 %)

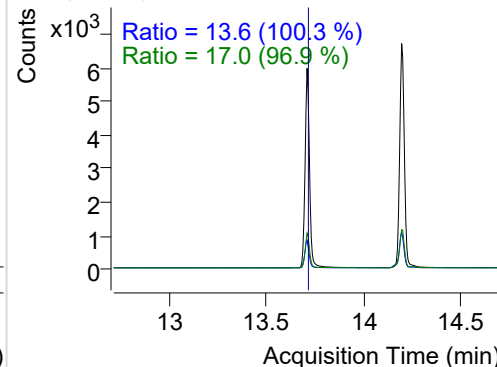
+ SIM (11.005-11.162 min, 16 scans) (**) 2206

**Fluoranthene**

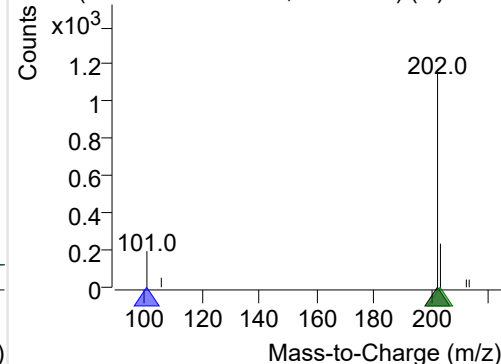
+ Selected Ion (202.0) 220607-PAHs-028.D



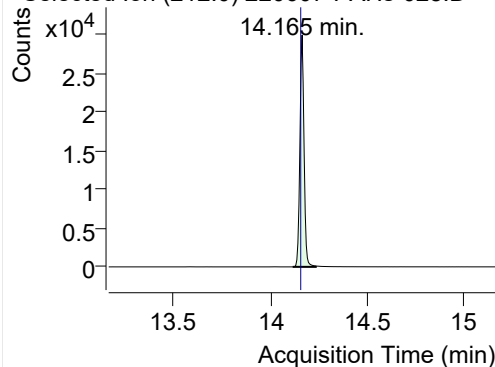
202.0, 101.0, 203.0

Ratio = 13.6 (100.3 %)
Ratio = 17.0 (96.9 %)

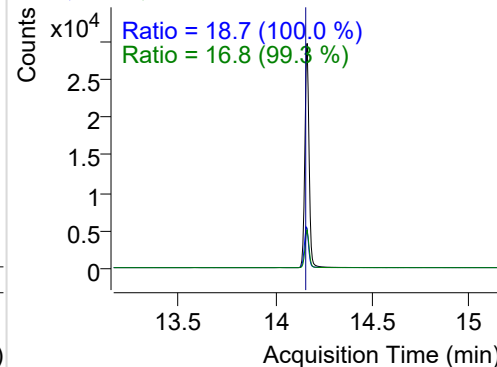
+ SIM (13.672-13.807 min, 26 scans) (**) 2206

**LSS-D10-Pyrene**

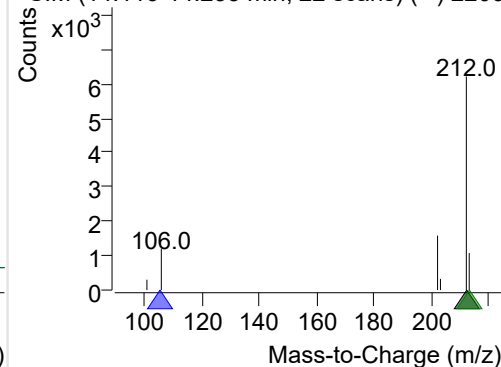
+ Selected Ion (212.0) 220607-PAHs-028.D



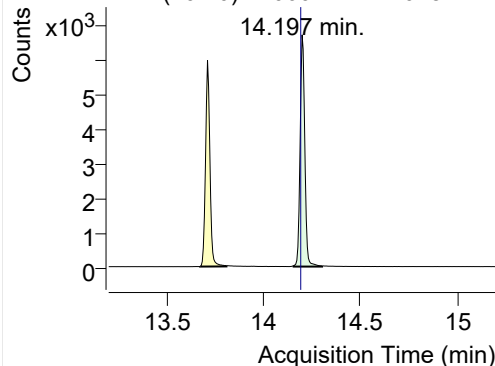
212.0, 106.0, 213.0

Ratio = 18.7 (100.0 %)
Ratio = 16.8 (99.3 %)

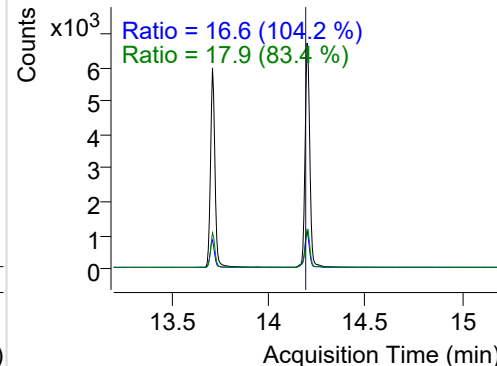
+ SIM (14.116-14.235 min, 22 scans) (**) 2206

**Pyrene**

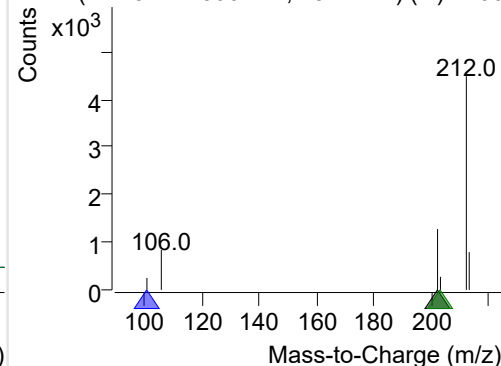
+ Selected Ion (202.0) 220607-PAHs-028.D



202.0, 101.0, 203.0

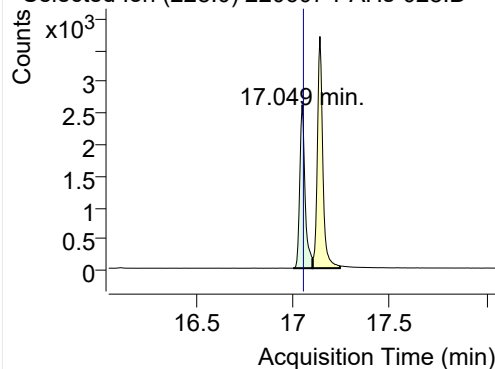
Ratio = 16.6 (104.2 %)
Ratio = 17.9 (83.4 %)

+ SIM (14.154-14.300 min, 28 scans) (**) 2206

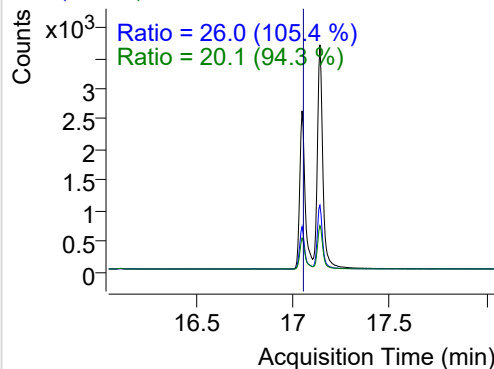


Benz(a)anthracene

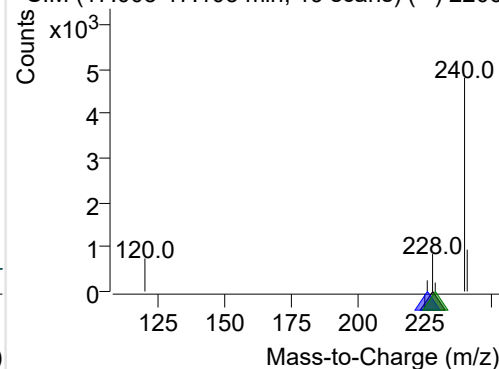
+ Selected Ion (228.0) 220607-PAHs-028.D



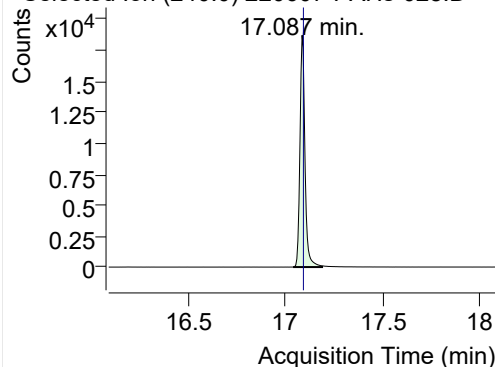
228.0, 226.0, 229.0



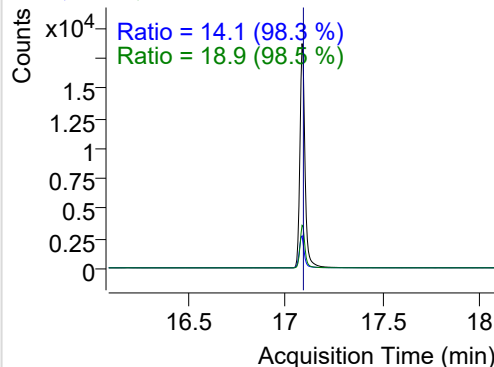
+ SIM (17.003-17.103 min, 19 scans) (**) 2206

**IS-D12-Chrysene**

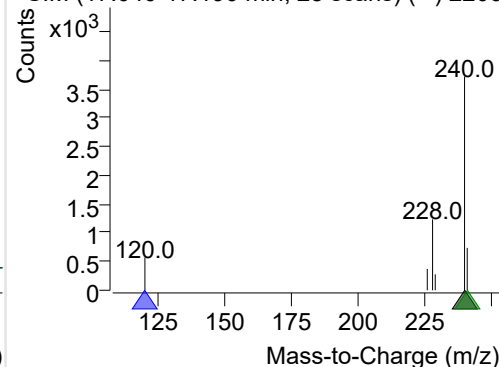
+ Selected Ion (240.0) 220607-PAHs-028.D



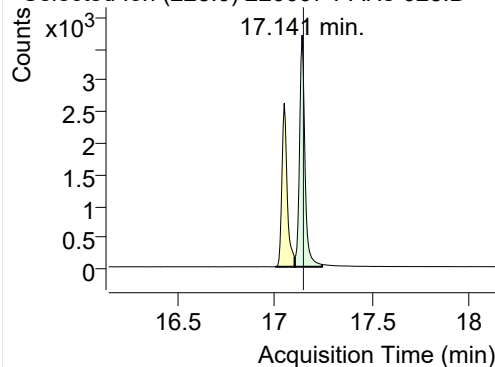
240.0, 120.0, 241.0



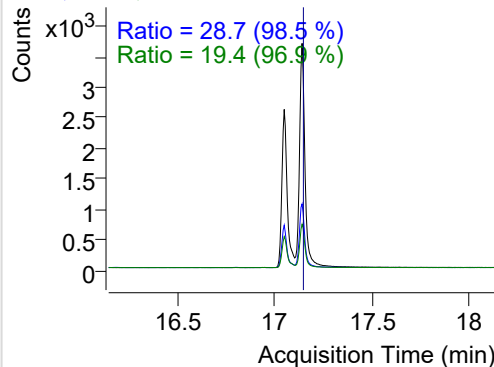
+ SIM (17.040-17.190 min, 28 scans) (**) 2206

**Chrysene**

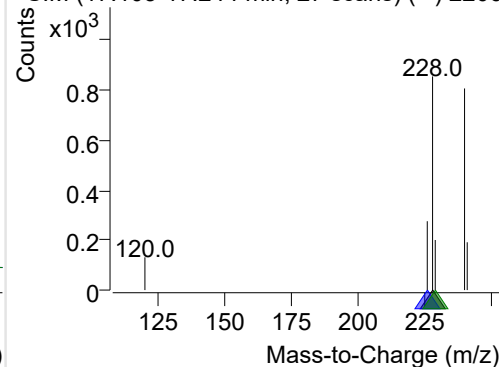
+ Selected Ion (228.0) 220607-PAHs-028.D



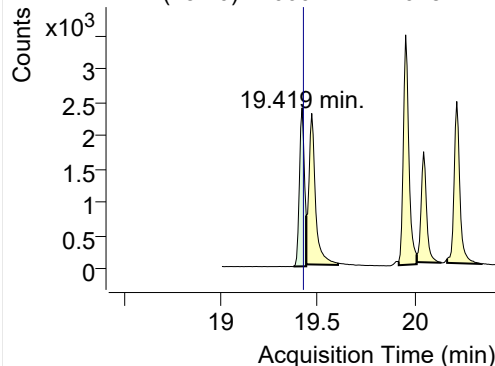
228.0, 226.0, 229.0



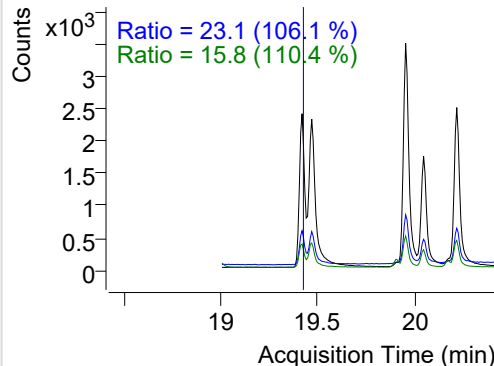
+ SIM (17.103-17.244 min, 27 scans) (**) 2206

**Benzo(b)fluoranthene**

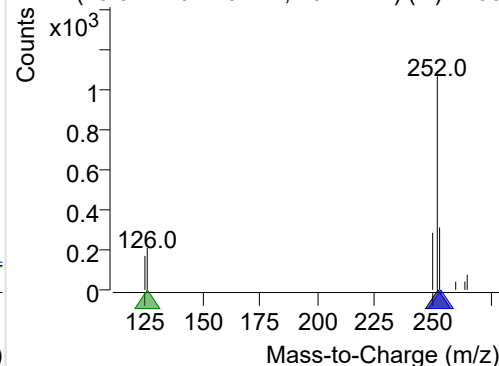
+ Selected Ion (252.0) 220607-PAHs-028.D



252.0, 253.0, 126.0

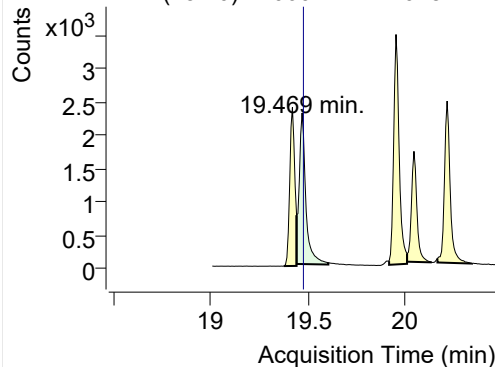


+ SIM (19.374-19.440 min, 10 scans) (**) 2206

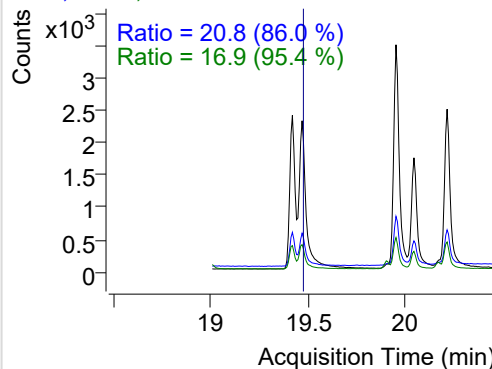


Benzo(k)fluoranthene

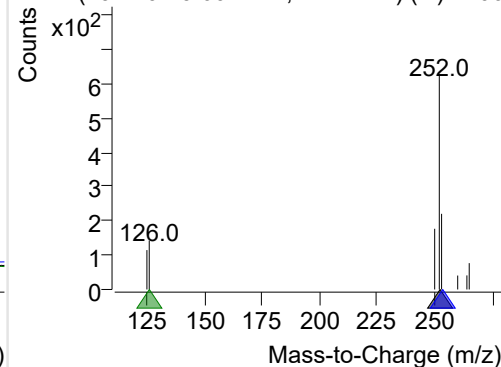
+ Selected Ion (252.0) 220607-PAHs-028.D



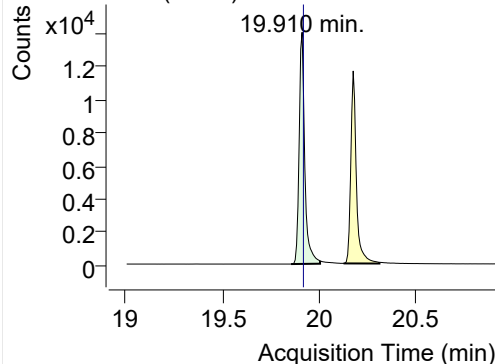
252.0, 253.0, 126.0



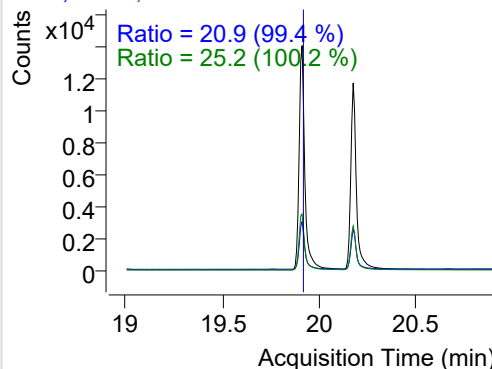
+ SIM (19.440-19.604 min, 24 scans) (**) 2206

**SS-D12-Benzo(e)pyrene**

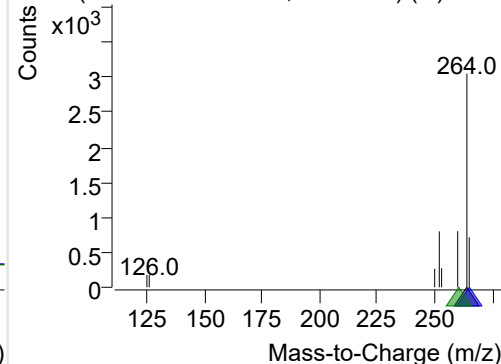
+ Selected Ion (264.0) 220607-PAHs-028.D



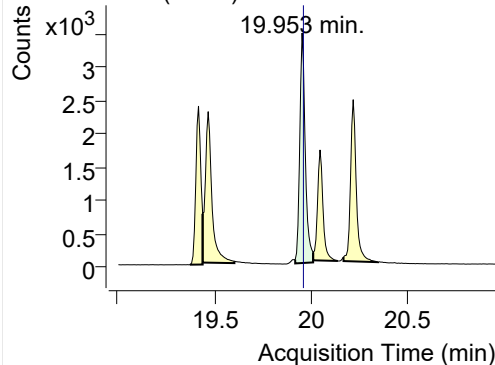
264.0, 265.0, 260.0



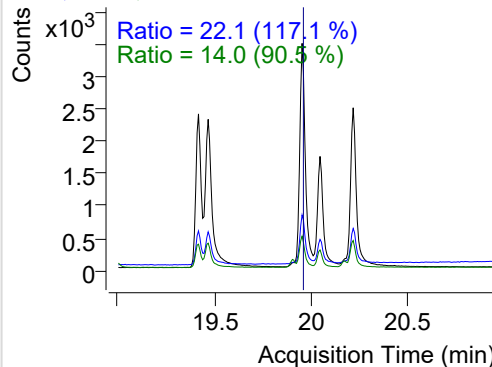
+ SIM (19.853-20.003 min, 22 scans) (**) 2206

**Benzo(e)pyrene**

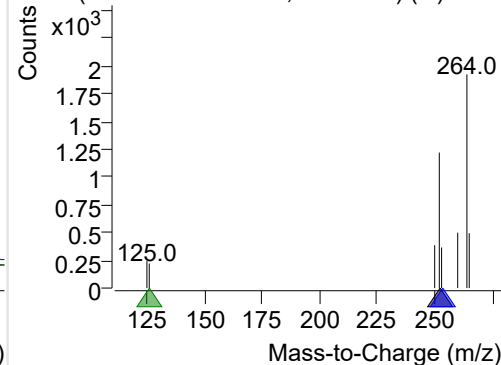
+ Selected Ion (252.0) 220607-PAHs-028.D



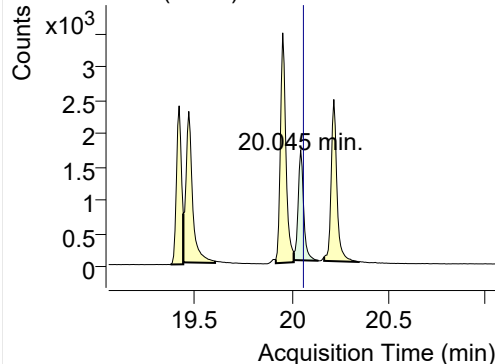
252.0, 253.0, 126.0



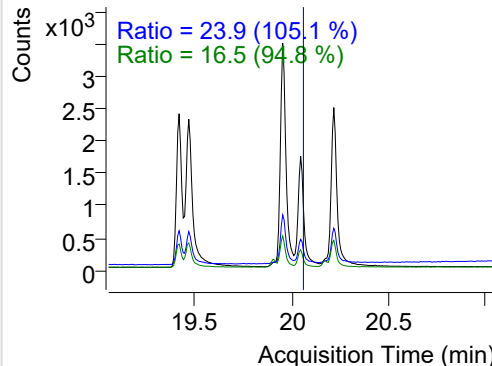
+ SIM (19.917-20.010 min, 14 scans) (**) 2206

**Benzo(a)pyrene**

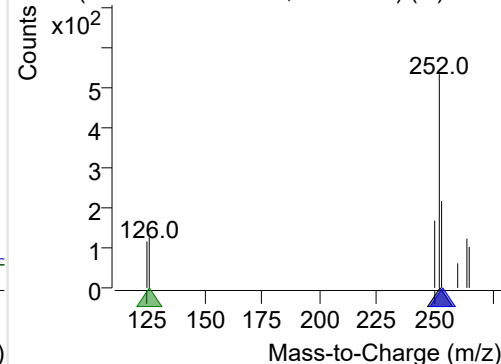
+ Selected Ion (252.0) 220607-PAHs-028.D



252.0, 253.0, 126.0

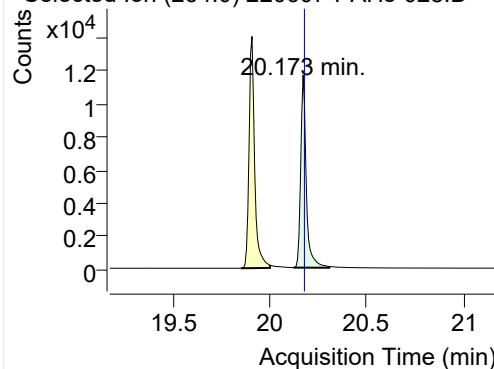


+ SIM (20.010-20.137 min, 18 scans) (**) 2206

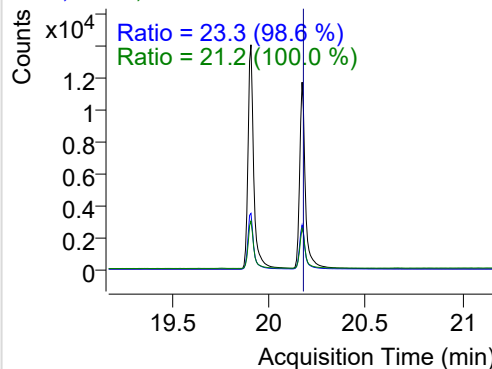


IS-D12-Perylene

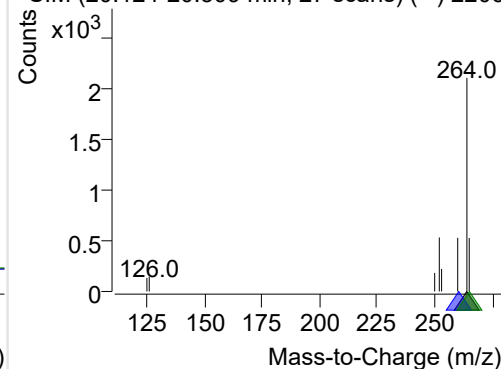
+ Selected Ion (264.0) 220607-PAHs-028.D



264.0, 260.0, 265.0

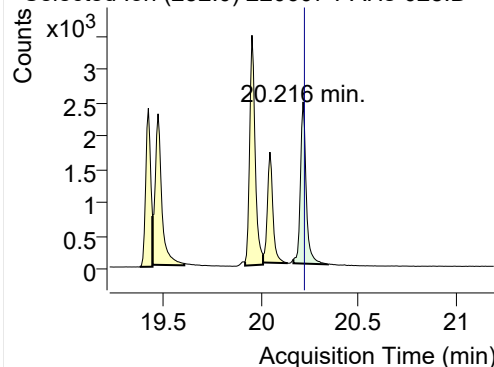


+ SIM (20.124-20.309 min, 27 scans) (**) 2206

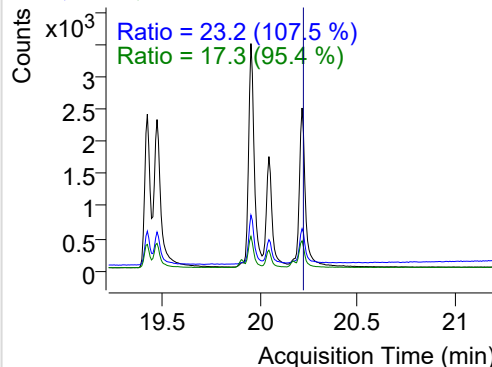


Perylene

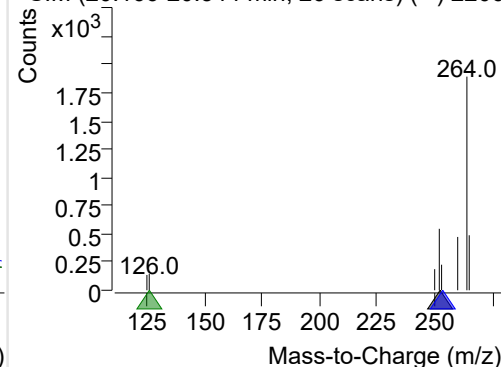
+ Selected Ion (252.0) 220607-PAHs-028.D



252.0, 253.0, 126.0

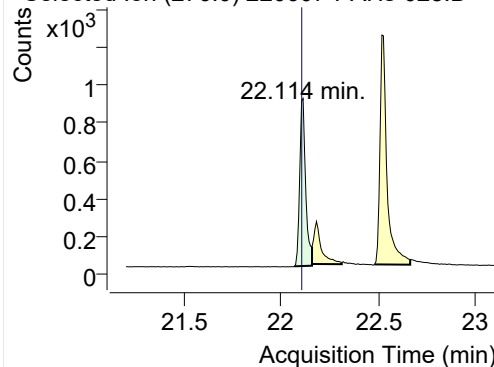


+ SIM (20.166-20.344 min, 26 scans) (**) 2206

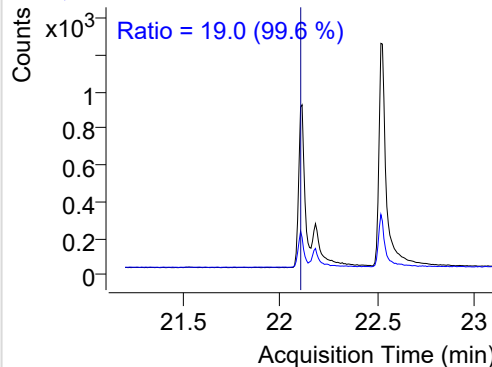


Indeno(1,2,3-c,d)pyrene

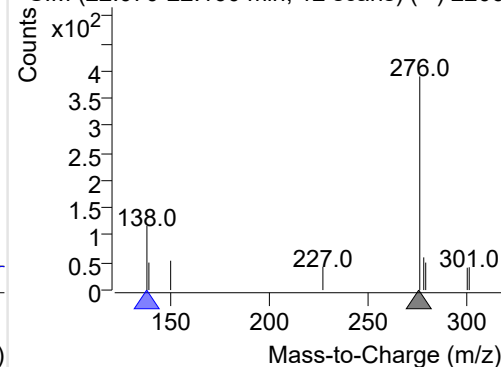
+ Selected Ion (276.0) 220607-PAHs-028.D



276.0, 138.0

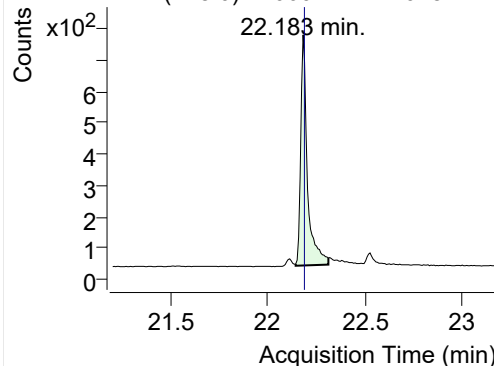


+ SIM (22.070-22.160 min, 12 scans) (**) 2206

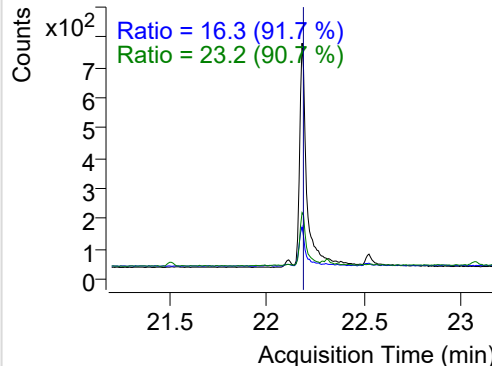


Dibenz(a,h)anthracene

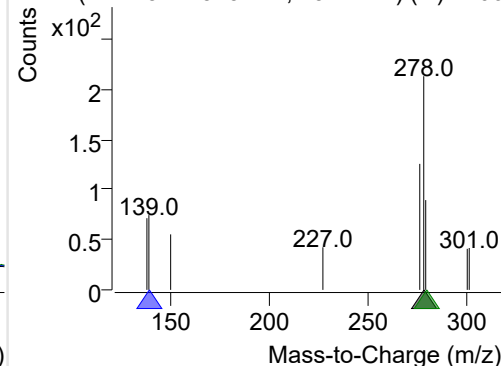
+ Selected Ion (278.0) 220607-PAHs-028.D



278.0, 139.0, 279.0

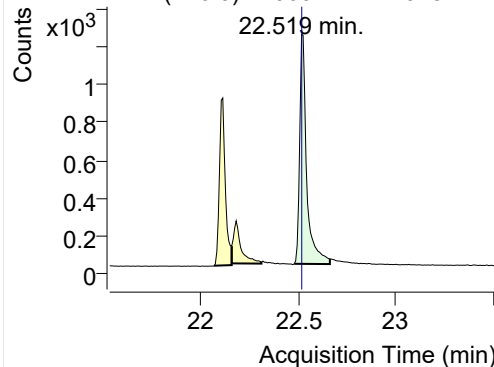


+ SIM (22.145-22.313 min, 23 scans) (**) 2206

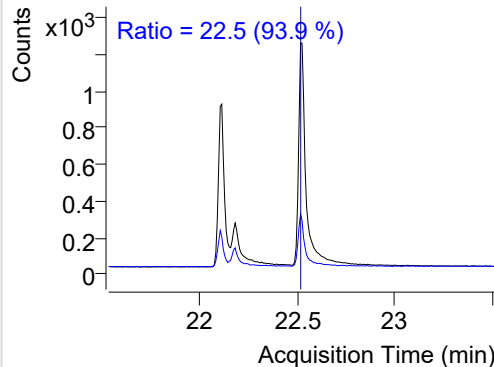


Benzo(g,h,i)perylene

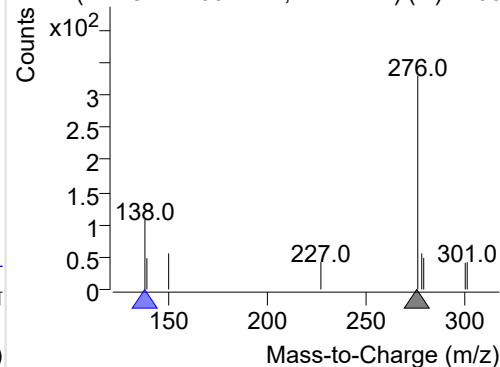
+ Selected Ion (276.0) 220607-PAHs-028.D



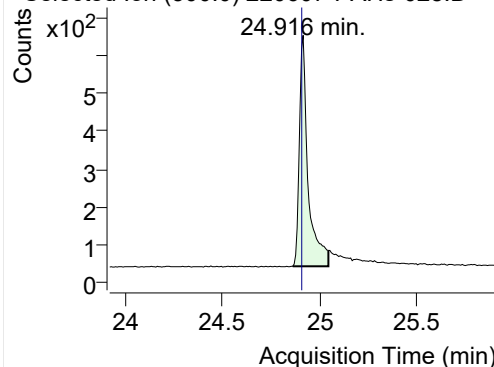
276.0, 138.0



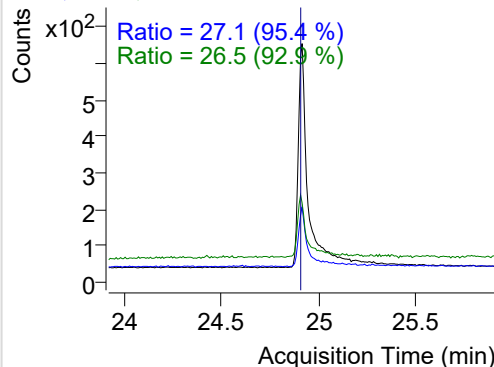
+ SIM (22.481-22.664 min, 24 scans) (**) 2206

**Coronene**

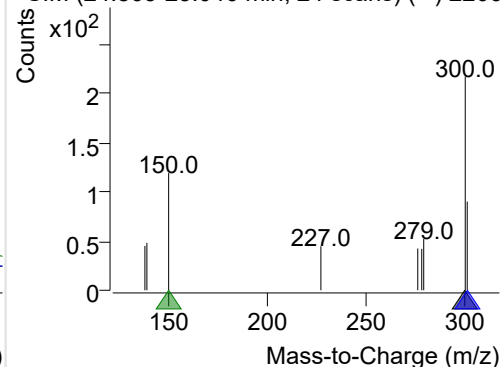
+ Selected Ion (300.0) 220607-PAHs-028.D



300.0, 301.0, 150.0



+ SIM (24.863-25.046 min, 24 scans) (**) 2206



Quantitative Analysis Sample Based Report

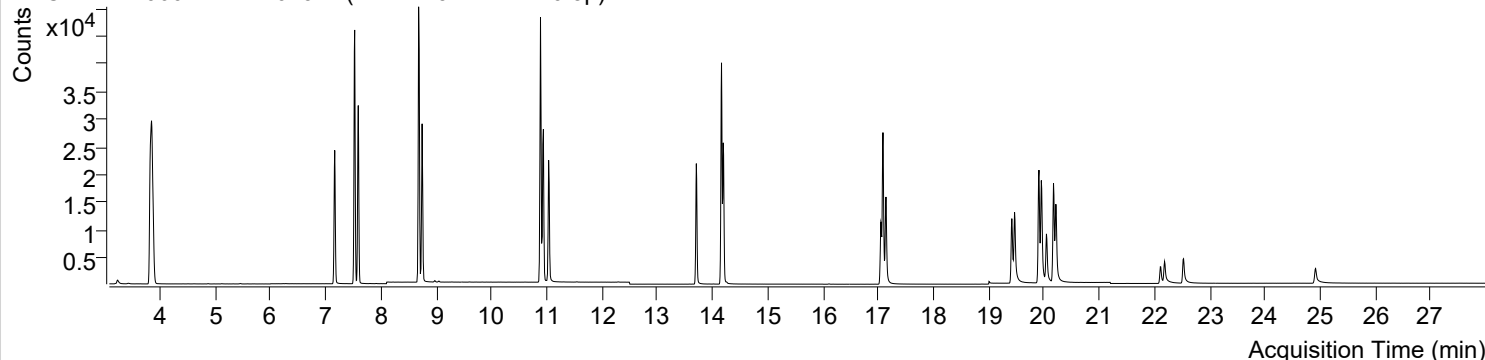


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 12:30:17	Data File	220607-PAHs-029.D
Type	Sample	Name	PAHs-19mix-STD-0.5p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

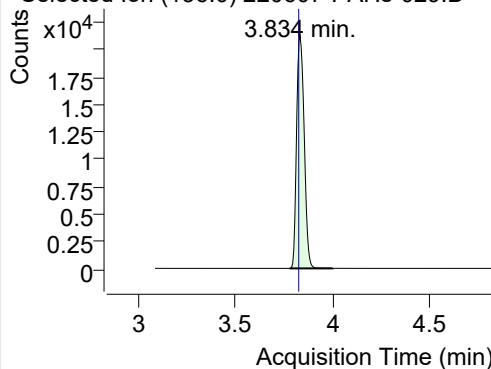
+ TIC SIM 220607-PAHs-029.D (PAHs-19mix-STD-0.5p)



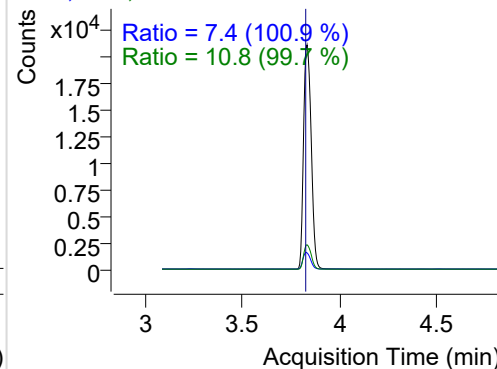
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.834	136.0	58060	21181.85	ND ng/ml	10.8
Naphthalene	3.867	128.0	34711	12625.89	ND ng/ml	12.9
Acenaphthylene	7.165	152.0	27962	18063.02	ND ng/ml	19.6
IS-D10-Acenaphthene	7.526	164.0	32292	22169.17	ND ng/ml	95.6
Acenaphthene	7.591	154.0	17005	11434.42	ND ng/ml	107.2
LSS-D10-Fluorene	8.684	176.0	35100	21909.62	ND ng/ml	92.1
Fluorene	8.747	166.0	20213	13676.01	ND ng/ml	92.7
IS-D10-Phenanthrene	10.889	188.0	54763	37964.74	ND ng/ml	15.0
Phenanthrene	10.942	178.0	29137	18169.10	ND ng/ml	19.1
Anthracene	11.036	178.0	23619	14211.23	ND ng/ml	18.8
Fluoranthene	13.710	202.0	25751	16674.96	ND ng/ml	17.1
LSS-D10-Pyrene	14.165	212.0	43810	29485.06	ND ng/ml	18.7
Pyrene	14.197	202.0	28841	18499.36	ND ng/ml	17.6
Benz(a)anthracene	17.049	228.0	14338	7591.00	ND ng/ml	26.2
IS-D12-Chrysene	17.087	240.0	35079	19852.37	ND ng/ml	18.9
Chrysene	17.141	228.0	19355	10122.36	ND ng/ml	28.8
Benzo(b)fluoranthene	19.419	252.0	13220	6821.13	ND ng/ml	21.8
Benzo(k)fluoranthene	19.469	252.0	17313	7400.84	ND ng/ml	21.7
SS-D12-Benzo(e)pyrene	19.910	264.0	28403	13798.54	ND ng/ml	25.2
Benzo(e)pyrene	19.953	252.0	18828	9258.19	ND ng/ml	21.9
Benzo(a)pyrene	20.045	252.0	10712	4913.30	ND ng/ml	18.6
IS-D12-Perylene	20.173	264.0	24889	11997.25	ND ng/ml	23.6
Perylene	20.216	252.0	14705	6714.32	ND ng/ml	20.6
Indeno(1,2,3-c,d)pyrene	22.114	276.0	5486	2439.00	ND ng/ml	18.9
Dibenz(a,h)anthracene	22.183	278.0	5549	2098.79	ND ng/ml	23.9
Benzo(g,h,i)perylene	22.526	276.0	9464	3491.70	ND ng/ml	22.4
Coronene	24.916	300.0	5691	1735.76	ND ng/ml	28.1

IS-D8-Naphthalene

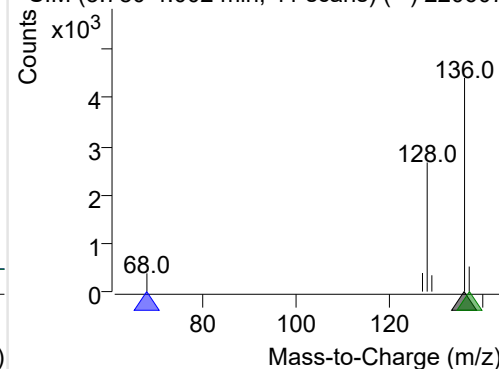
+ Selected Ion (136.0) 220607-PAHs-029.D



136.0, 68.0, 137.0

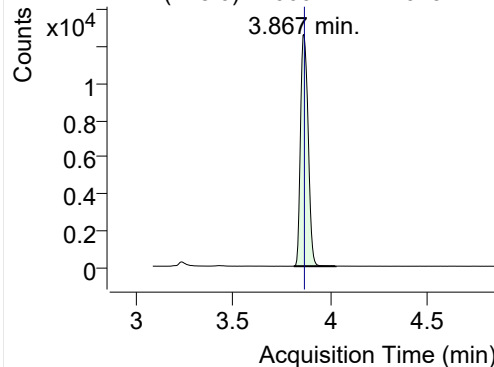


+ SIM (3.780-4.002 min, 41 scans) (**) 220607

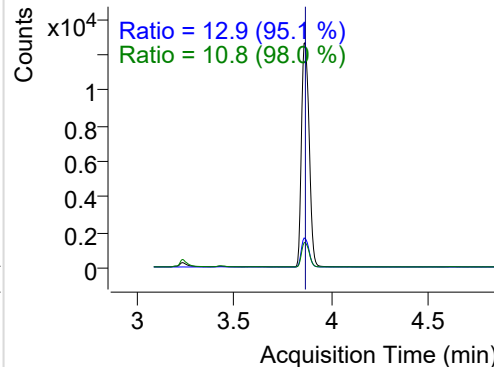


Naphthalene

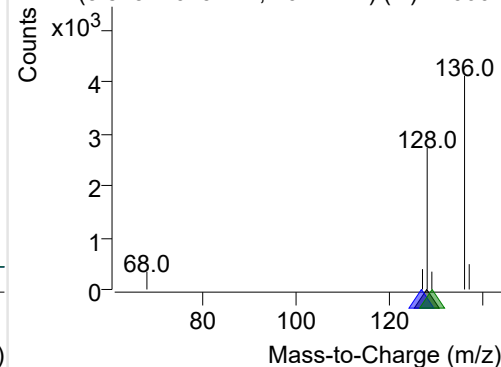
+ Selected Ion (128.0) 220607-PAHs-029.D



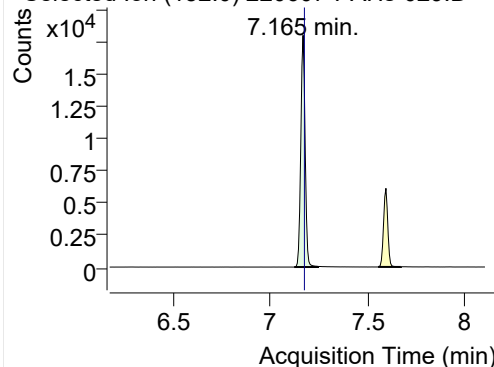
128.0, 127.0, 129.0



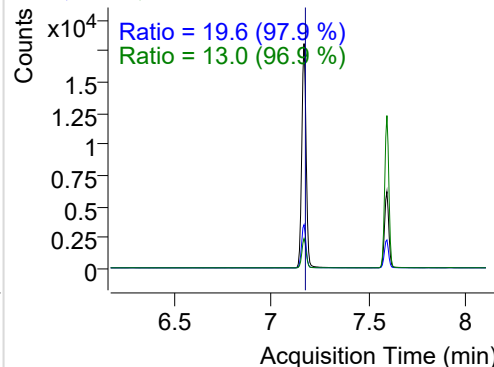
+ SIM (3.813-4.029 min, 40 scans) (**) 220607

**Acenaphthylene**

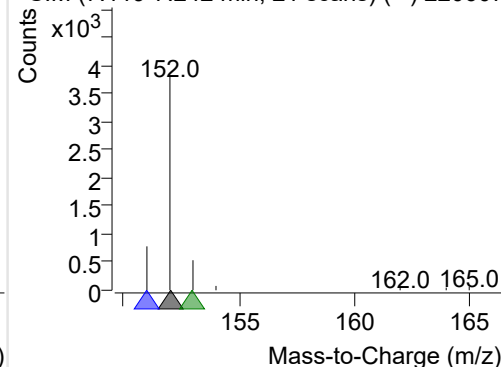
+ Selected Ion (152.0) 220607-PAHs-029.D



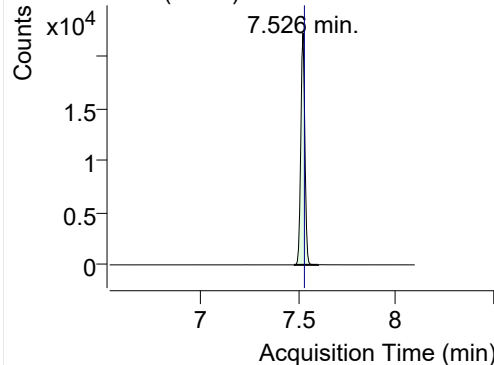
152.0, 151.0, 153.0



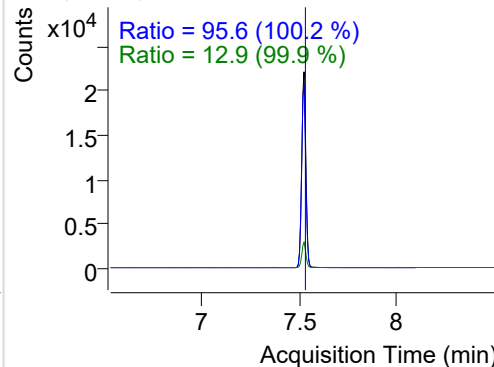
+ SIM (7.119-7.242 min, 21 scans) (**) 220607

**IS-D10-Acenaphthene**

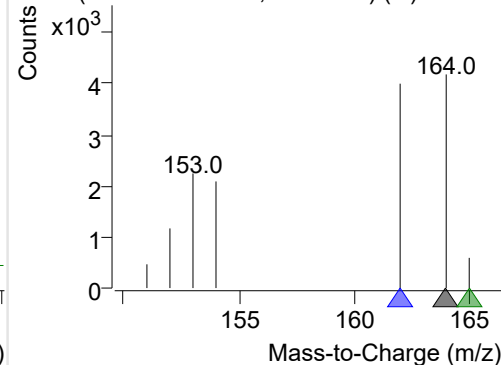
+ Selected Ion (164.0) 220607-PAHs-029.D



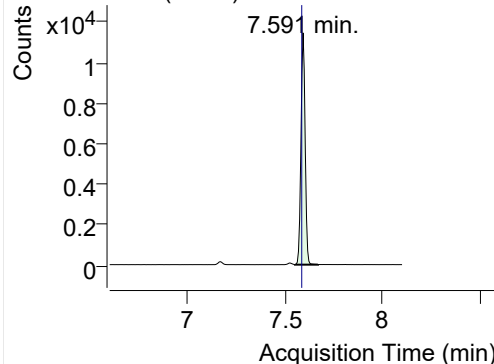
164.0, 162.0, 165.0



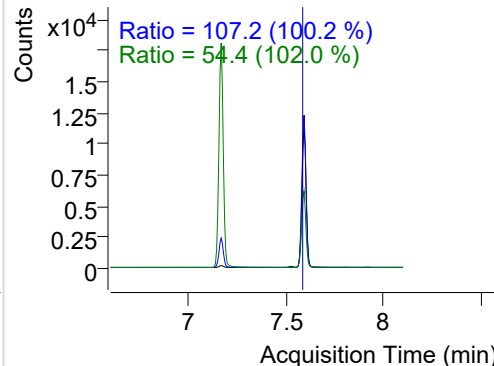
+ SIM (7.479-7.603 min, 22 scans) (**) 220607

**Acenaphthene**

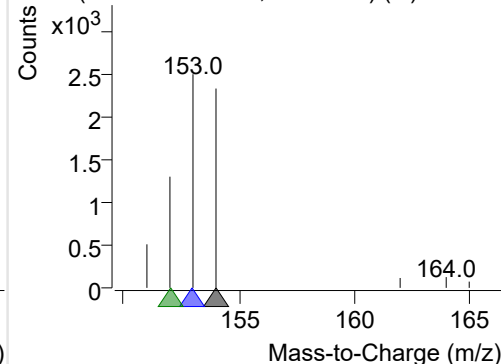
+ Selected Ion (154.0) 220607-PAHs-029.D



154.0, 153.0, 152.0

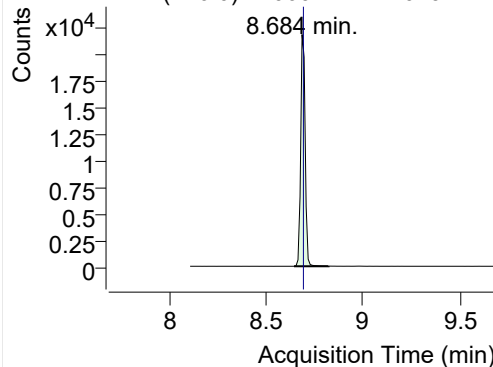


+ SIM (7.550-7.668 min, 21 scans) (**) 220607

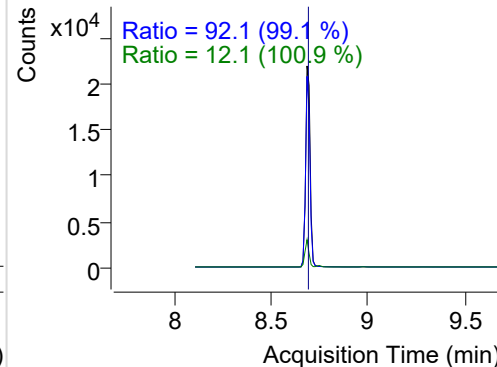


LSS-D10-Fluorene

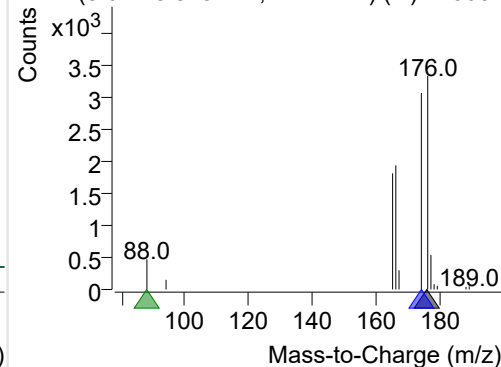
+ Selected Ion (176.0) 220607-PAHs-029.D



176.0, 174.0, 88.0

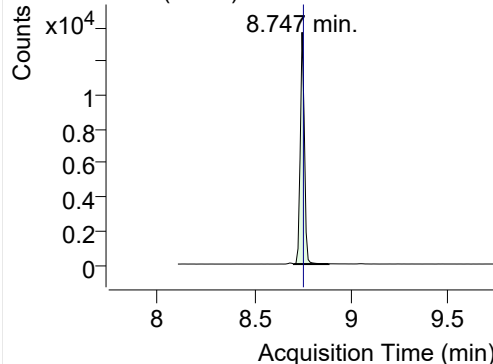


+ SIM (8.642-8.820 min, 17 scans) (**) 220607

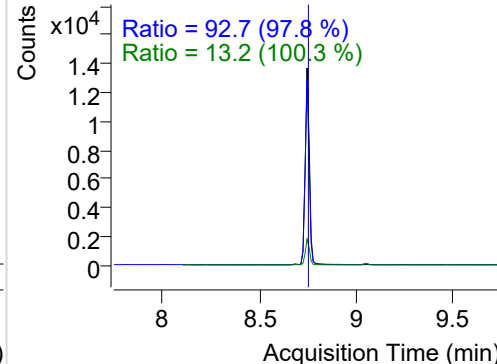


Fluorene

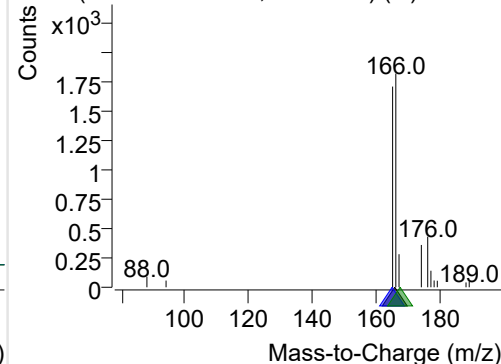
+ Selected Ion (166.0) 220607-PAHs-029.D



166.0, 165.0, 167.0

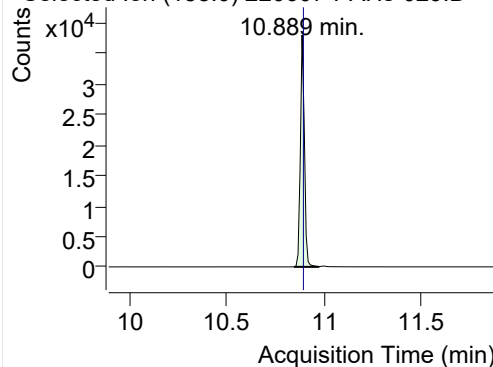


+ SIM (8.705-8.883 min, 18 scans) (**) 220607

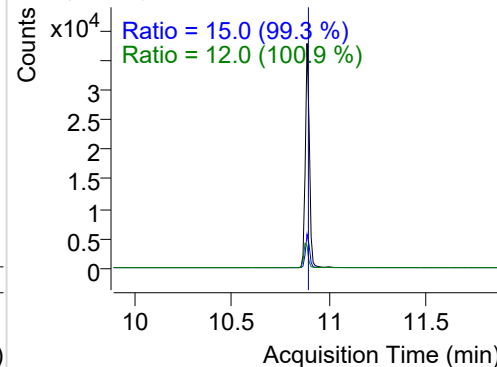


IS-D10-Phenanthrene

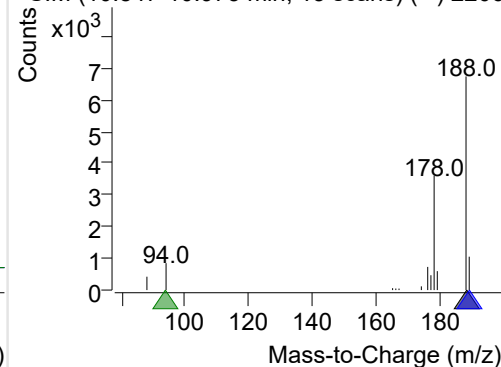
+ Selected Ion (188.0) 220607-PAHs-029.D



188.0, 189.0, 94.0

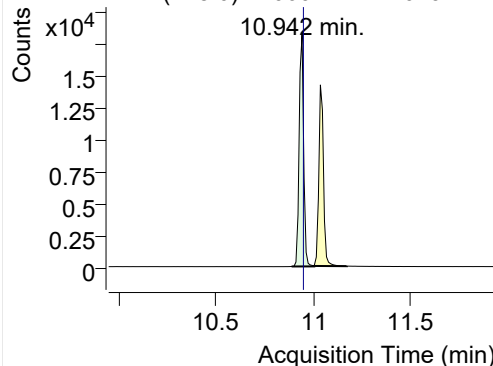


+ SIM (10.847-10.973 min, 13 scans) (**) 2206

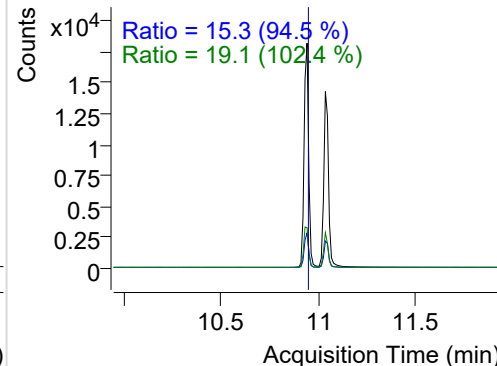


Phenanthrene

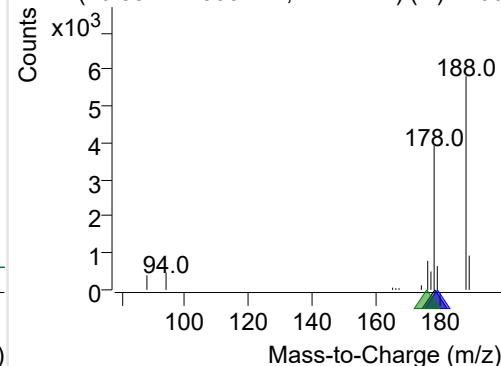
+ Selected Ion (178.0) 220607-PAHs-029.D



178.0, 179.0, 176.0

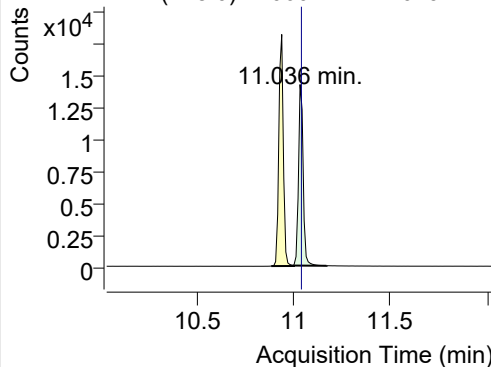


+ SIM (10.887-11.005 min, 12 scans) (**) 2206

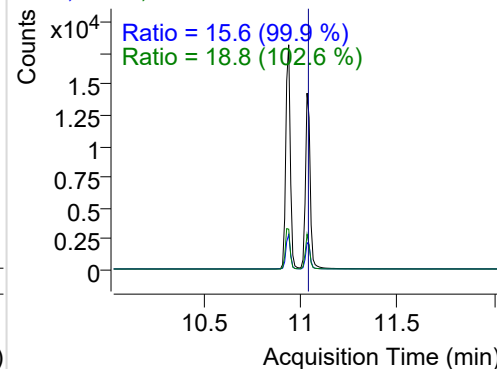


Anthracene

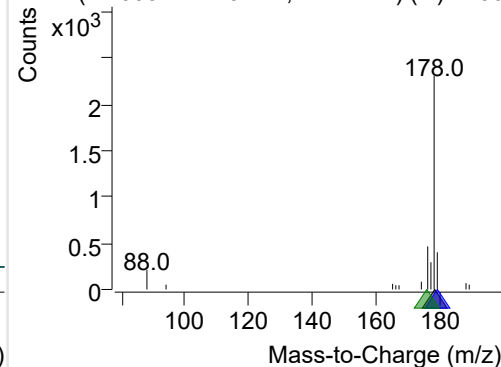
+ Selected Ion (178.0) 220607-PAHs-029.D



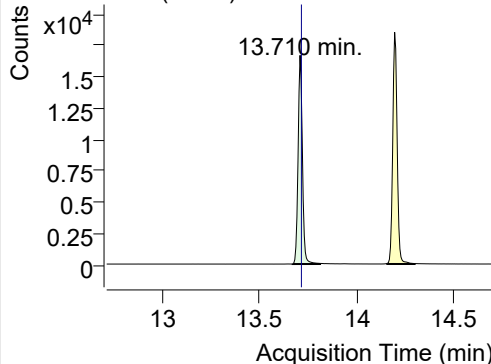
178.0, 179.0, 176.0



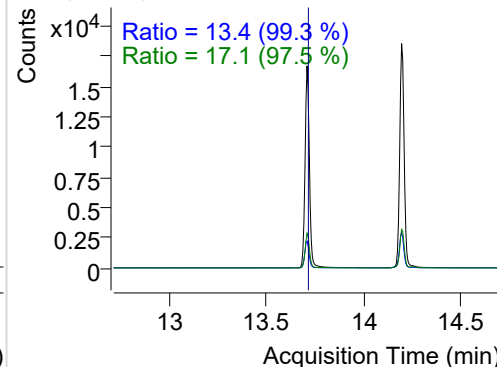
+ SIM (11.005-11.173 min, 17 scans) (**) 2206

**Fluoranthene**

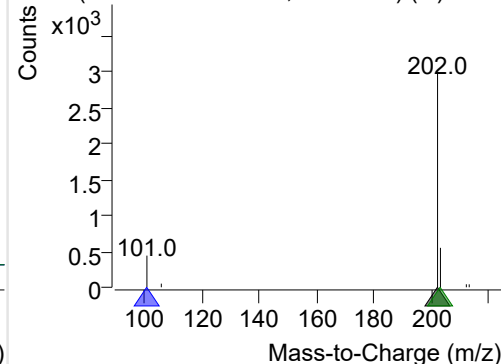
+ Selected Ion (202.0) 220607-PAHs-029.D



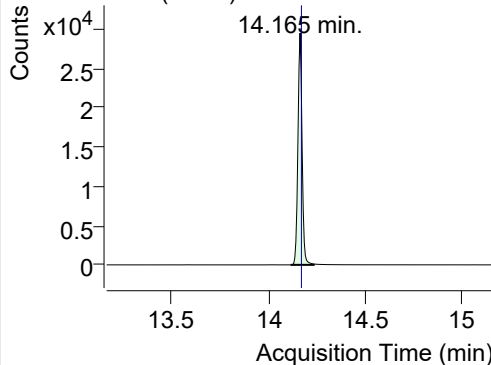
202.0, 101.0, 203.0



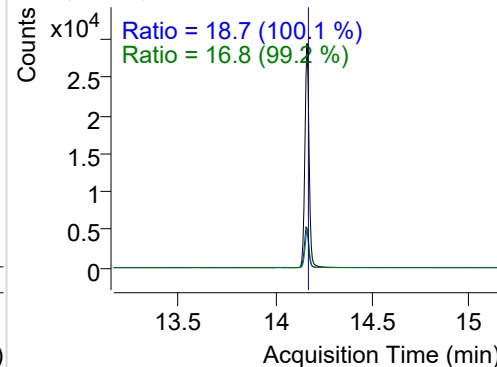
+ SIM (13.672-13.813 min, 27 scans) (**) 2206

**LSS-D10-Pyrene**

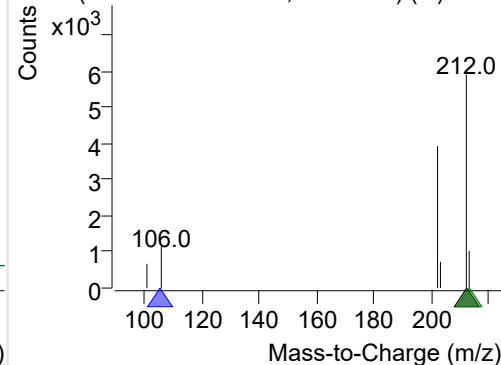
+ Selected Ion (212.0) 220607-PAHs-029.D



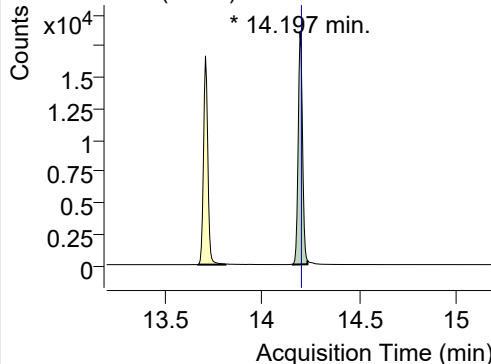
212.0, 106.0, 213.0



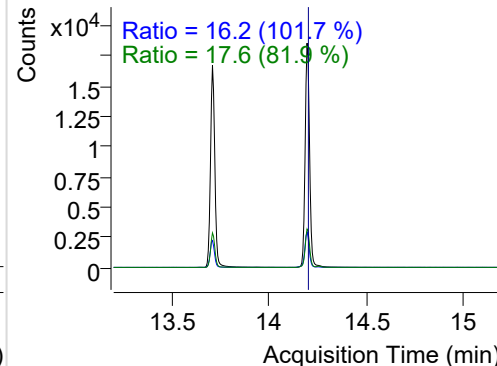
+ SIM (14.116-14.235 min, 23 scans) (**) 2206

**Pyrene**

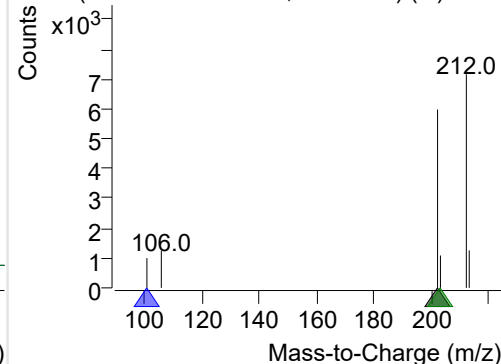
+ Selected Ion (202.0) 220607-PAHs-029.D



202.0, 101.0, 203.0

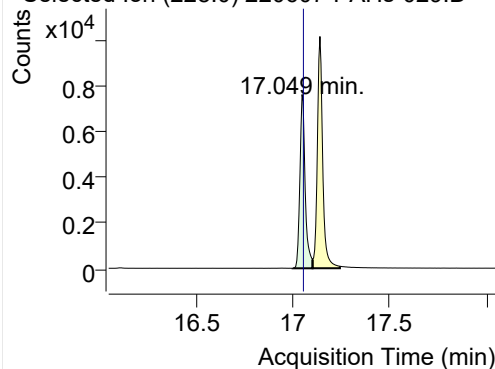


+ SIM (14.159-14.235 min, 15 scans) (**) 2206

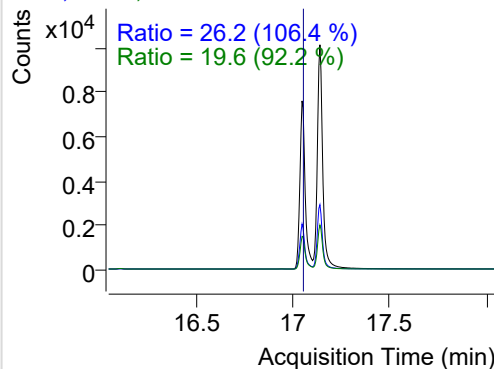


Benz(a)anthracene

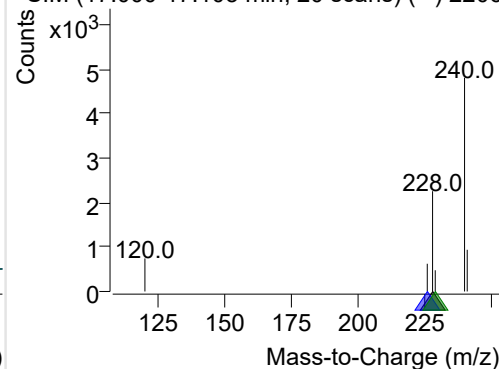
+ Selected Ion (228.0) 220607-PAHs-029.D



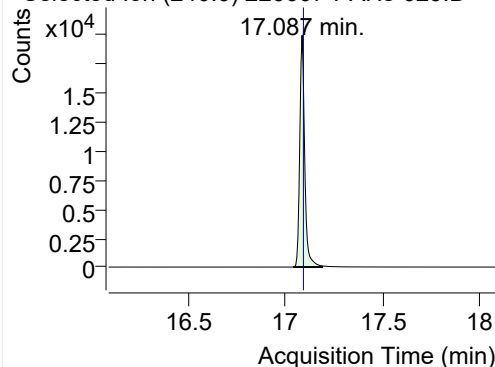
228.0, 226.0, 229.0



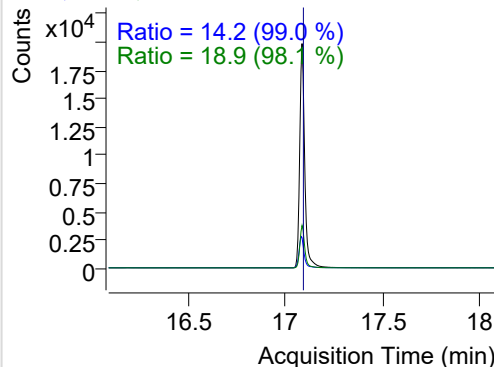
+ SIM (17.000-17.103 min, 20 scans) (**) 2206

**IS-D12-Chrysene**

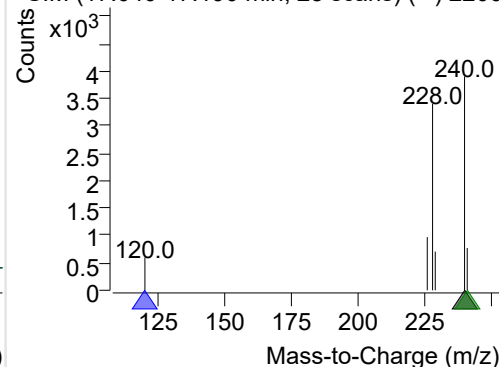
+ Selected Ion (240.0) 220607-PAHs-029.D



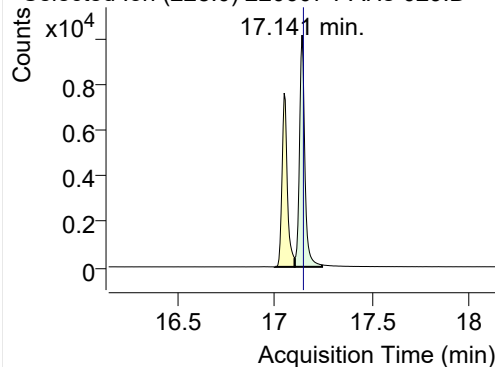
240.0, 120.0, 241.0



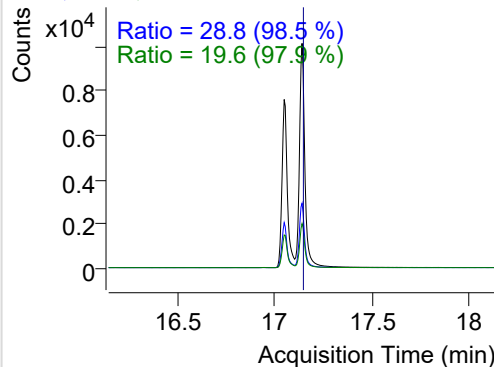
+ SIM (17.040-17.190 min, 28 scans) (**) 2206

**Chrysene**

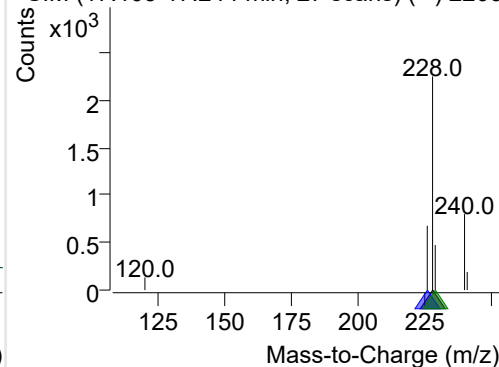
+ Selected Ion (228.0) 220607-PAHs-029.D



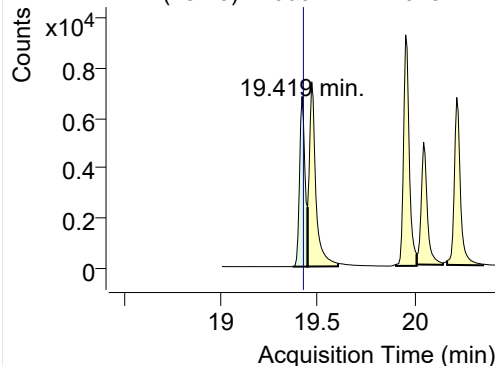
228.0, 226.0, 229.0



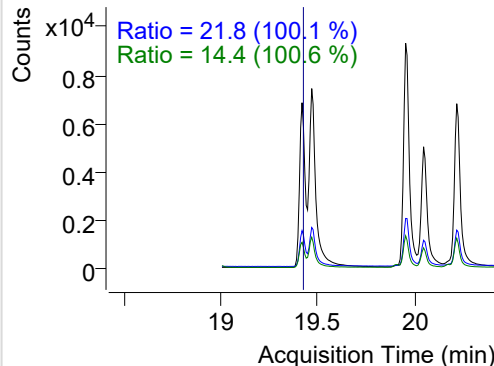
+ SIM (17.103-17.244 min, 27 scans) (**) 2206

**Benzo(b)fluoranthene**

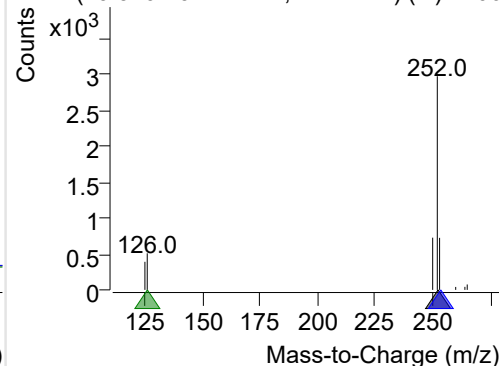
+ Selected Ion (252.0) 220607-PAHs-029.D



252.0, 253.0, 126.0

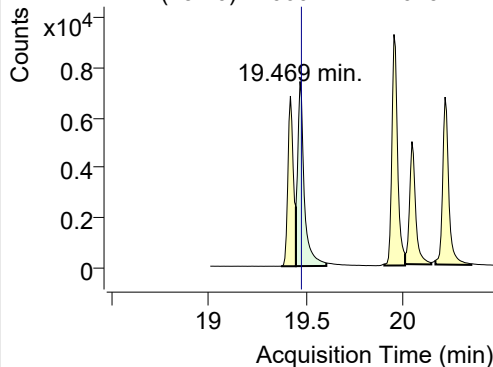


+ SIM (19.370-19.447 min, 11 scans) (**) 2206

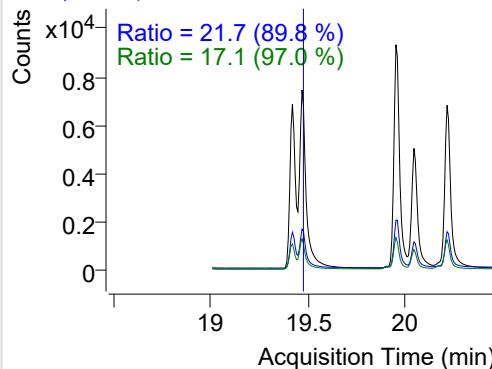


Benzo(k)fluoranthene

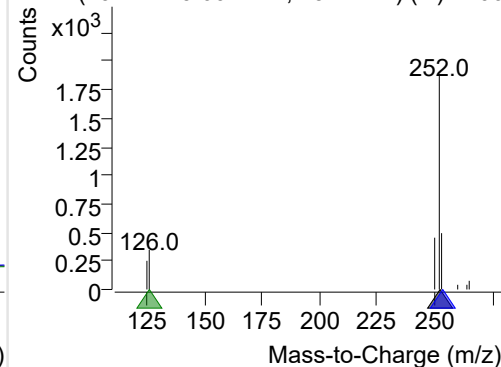
+ Selected Ion (252.0) 220607-PAHs-029.D



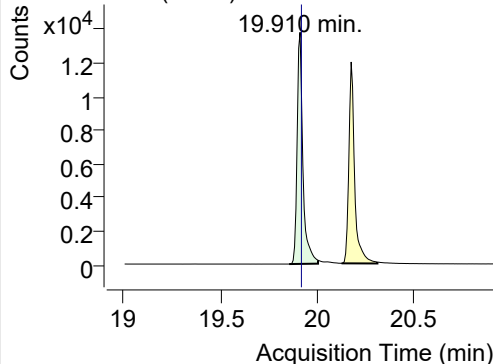
252.0, 253.0, 126.0



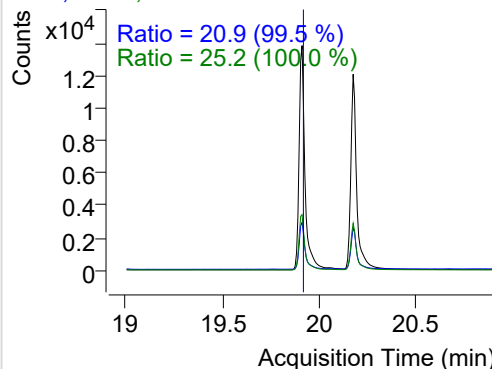
+ SIM (19.447-19.604 min, 23 scans) (**) 2206

**SS-D12-Benzo(e)pyrene**

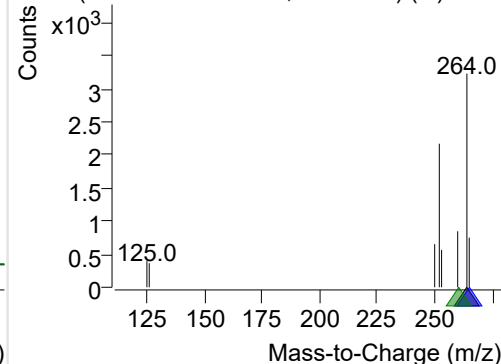
+ Selected Ion (264.0) 220607-PAHs-029.D



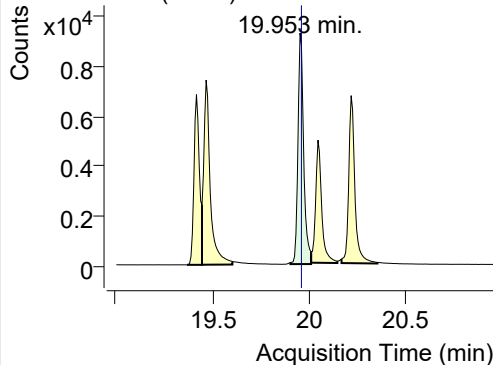
264.0, 265.0, 260.0



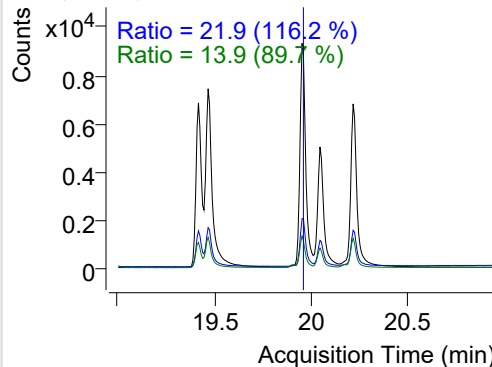
+ SIM (19.854-20.002 min, 21 scans) (**) 2206

**Benzo(e)pyrene**

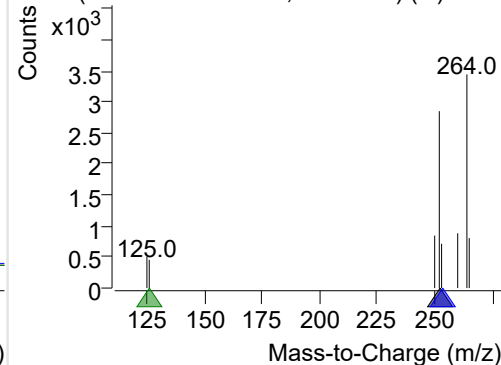
+ Selected Ion (252.0) 220607-PAHs-029.D



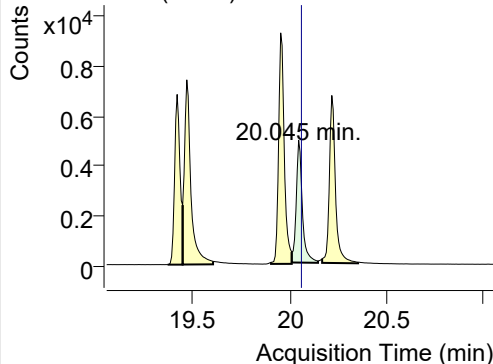
252.0, 253.0, 126.0



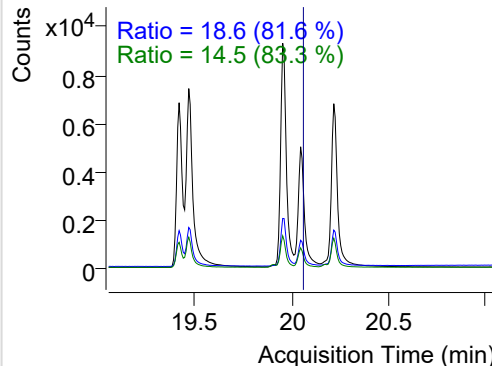
+ SIM (19.903-20.010 min, 16 scans) (**) 2206

**Benzo(a)pyrene**

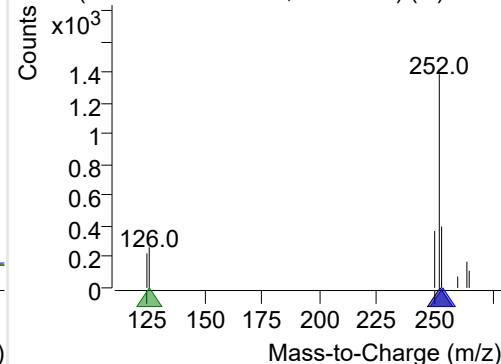
+ Selected Ion (252.0) 220607-PAHs-029.D



252.0, 253.0, 126.0

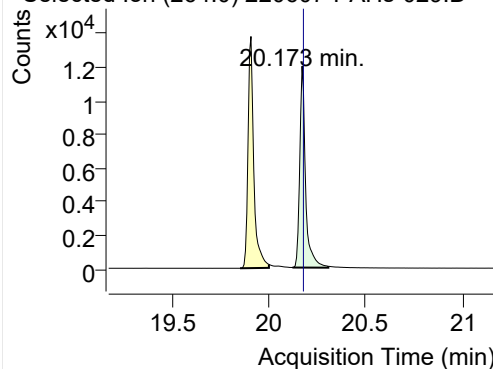


+ SIM (20.010-20.145 min, 20 scans) (**) 2206

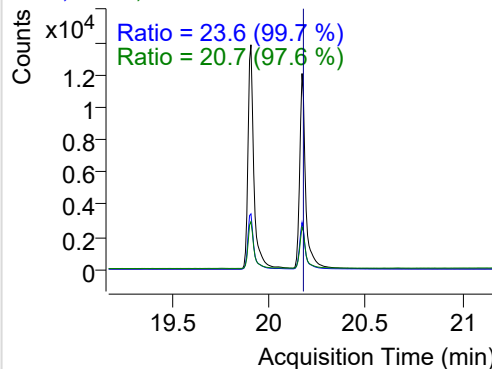


IS-D12-Perylene

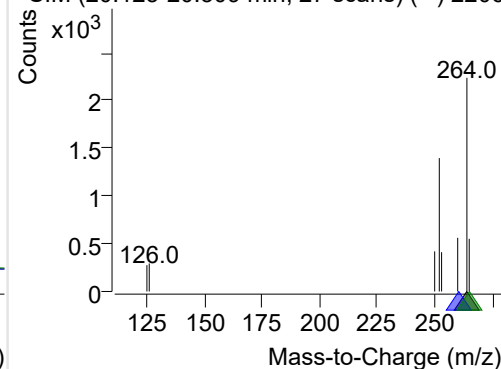
+ Selected Ion (264.0) 220607-PAHs-029.D



264.0, 260.0, 265.0

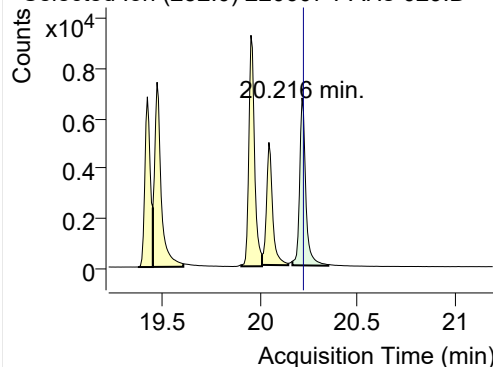


+ SIM (20.123-20.309 min, 27 scans) (**) 2206

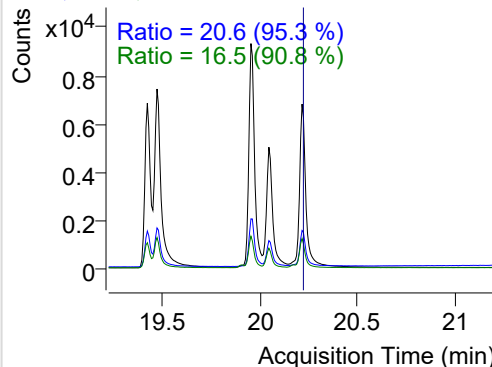


Perylene

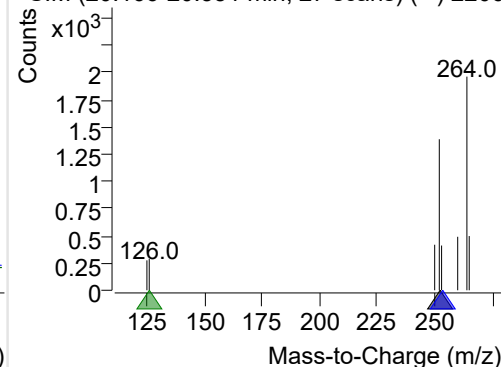
+ Selected Ion (252.0) 220607-PAHs-029.D



252.0, 253.0, 126.0

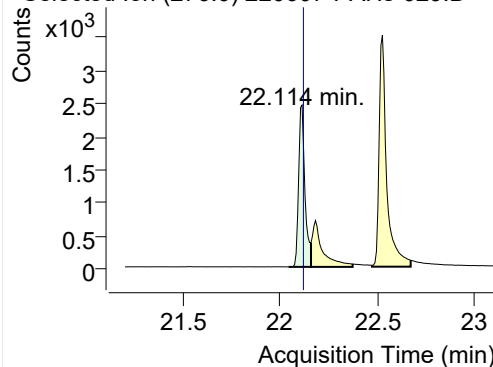


+ SIM (20.166-20.351 min, 27 scans) (**) 2206

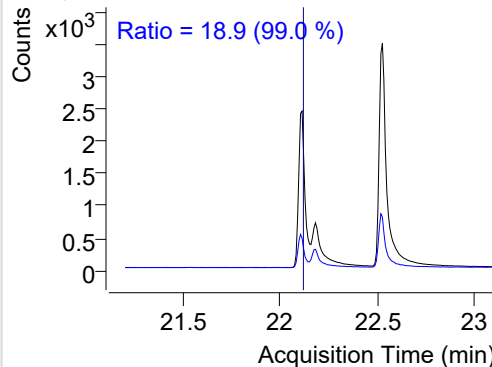


Indeno(1,2,3-c,d)pyrene

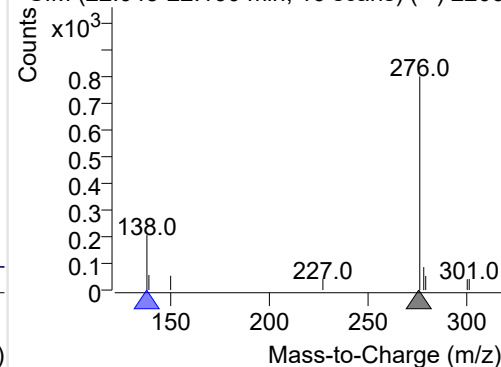
+ Selected Ion (276.0) 220607-PAHs-029.D



276.0, 138.0

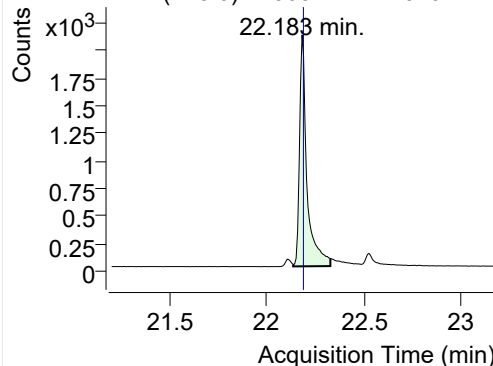


+ SIM (22.045-22.160 min, 16 scans) (**) 2206

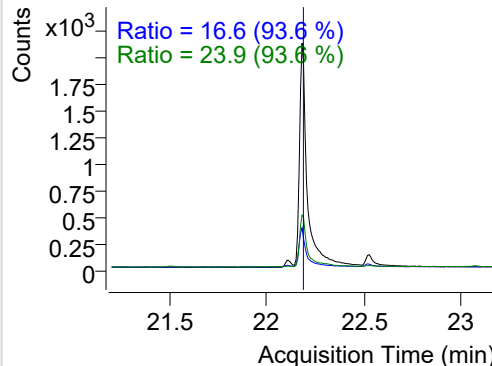


Dibenz(a,h)anthracene

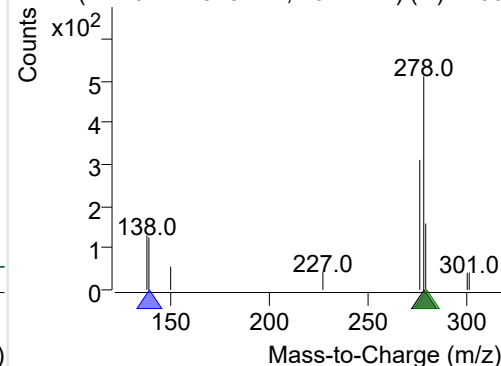
+ Selected Ion (278.0) 220607-PAHs-029.D



278.0, 139.0, 279.0

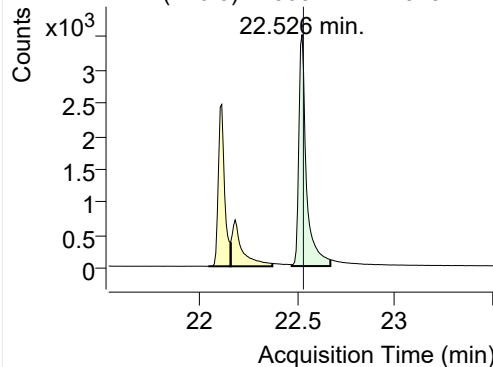


+ SIM (22.137-22.328 min, 26 scans) (**) 2206

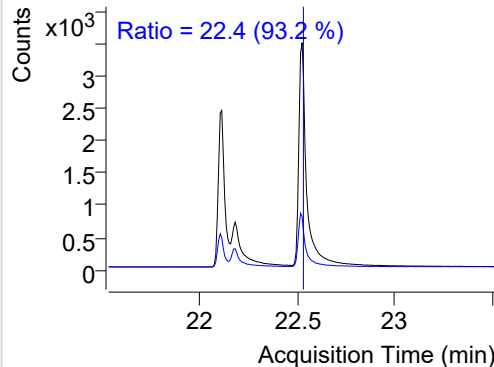


Benzo(g,h,i)perylene

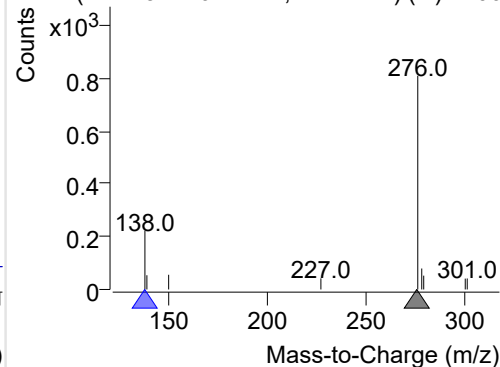
+ Selected Ion (276.0) 220607-PAHs-029.D



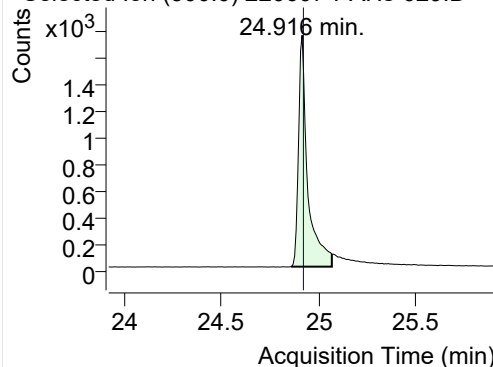
276.0, 138.0



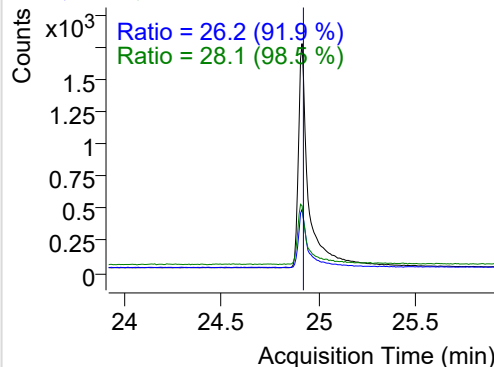
+ SIM (22.473-22.672 min, 27 scans) (**) 2206

**Coronene**

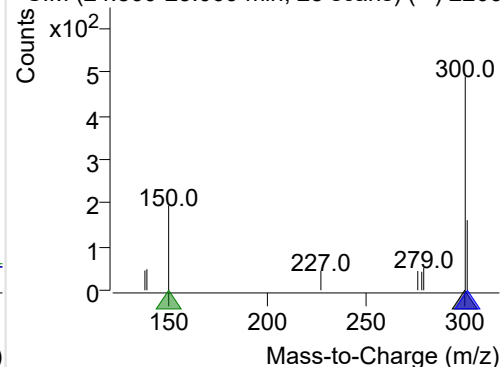
+ Selected Ion (300.0) 220607-PAHs-029.D



300.0, 301.0, 150.0



+ SIM (24.860-25.069 min, 28 scans) (**) 2206



Quantitative Analysis Sample Based Report

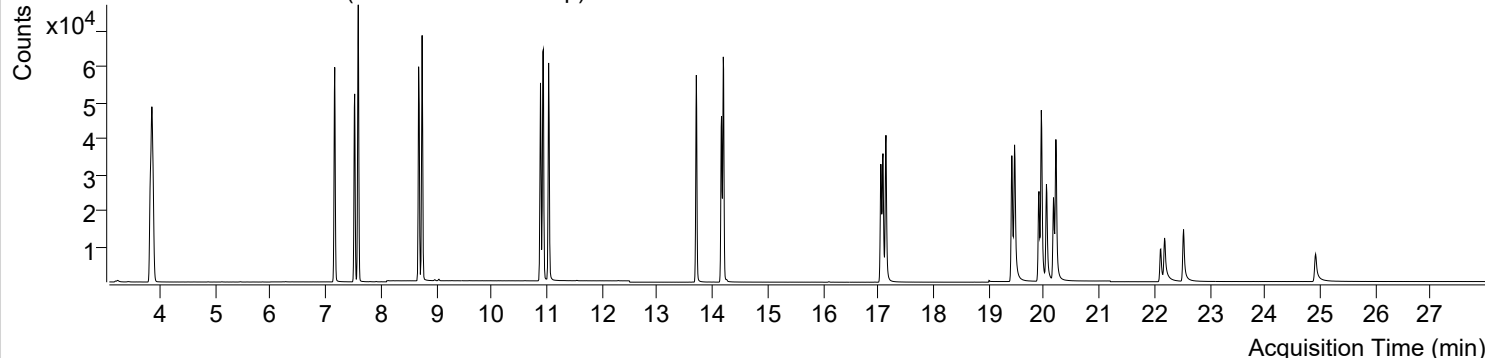


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 1:01:26	Data File	220607-PAHs-030.D
Type	Sample	Name	PAHs-19mix-STD-1p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

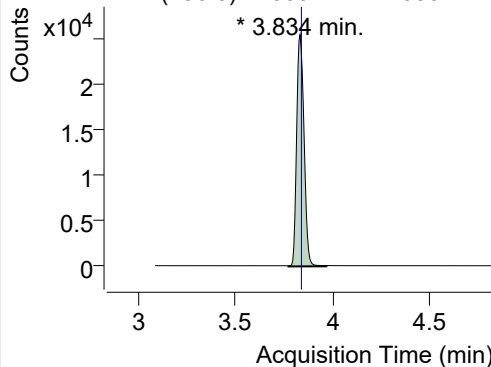
+ TIC SIM 220607-PAHs-030.D (PAHs-19mix-STD-1p)



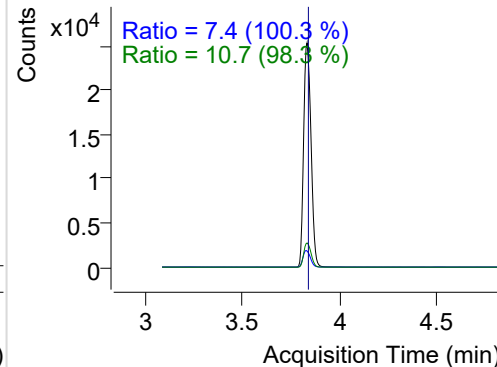
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.834	136.0	67257	25348.11	ND ng/ml	10.7
Naphthalene	3.861	128.0	78355	29365.30	ND ng/ml	12.8
Acenaphthylene	7.165	152.0	67305	44694.77	ND ng/ml	19.6
IS-D10-Acenaphthene	7.526	164.0	38211	25429.78	ND ng/ml	93.2
Acenaphthene	7.591	154.0	40126	27841.35	ND ng/ml	106.7
LSS-D10-Fluorene	8.684	176.0	41357	26300.32	ND ng/ml	92.4
Fluorene	8.747	166.0	48430	32821.62	ND ng/ml	92.5
IS-D10-Phenanthrene	10.889	188.0	63702	43645.07	ND ng/ml	15.0
Phenanthrene	10.942	178.0	69967	42920.80	ND ng/ml	19.0
Anthracene	11.036	178.0	61268	39687.97	ND ng/ml	18.6
Fluoranthene	13.710	202.0	65598	43952.28	ND ng/ml	17.2
LSS-D10-Pyrene	14.165	212.0	51793	33748.64	ND ng/ml	19.0
Pyrene	14.197	202.0	70794	46090.16	ND ng/ml	17.4
Benz(a)anthracene	17.049	228.0	41106	22376.00	ND ng/ml	26.3
IS-D12-Chrysene	17.087	240.0	44177	24964.67	ND ng/ml	18.9
Chrysene	17.141	228.0	49683	26783.25	ND ng/ml	29.0
Benzo(b)fluoranthene	19.419	252.0	38286	20449.06	ND ng/ml	21.5
Benzo(k)fluoranthene	19.469	252.0	50878	22034.18	ND ng/ml	21.9
SS-D12-Benzo(e)pyrene	19.910	264.0	35182	16832.20	ND ng/ml	25.1
Benzo(e)pyrene	19.953	252.0	49136	24783.20	ND ng/ml	21.7
Benzo(a)pyrene	20.045	252.0	34125	15266.89	ND ng/ml	20.5
IS-D12-Perylene	20.173	264.0	35733	15374.84	ND ng/ml	21.7
Perylene	20.216	252.0	39103	19439.93	ND ng/ml	23.1
Indeno(1,2,3-c,d)pyrene	22.114	276.0	16727	7341.50	ND ng/ml	20.7
Dibenz(a,h)anthracene	22.183	278.0	17848	6280.42	ND ng/ml	23.6
Benzo(g,h,i)perylene	22.527	276.0	29395	11400.32	ND ng/ml	22.2
Coronene	24.916	300.0	17831	4941.30	ND ng/ml	27.5

IS-D8-Naphthalene

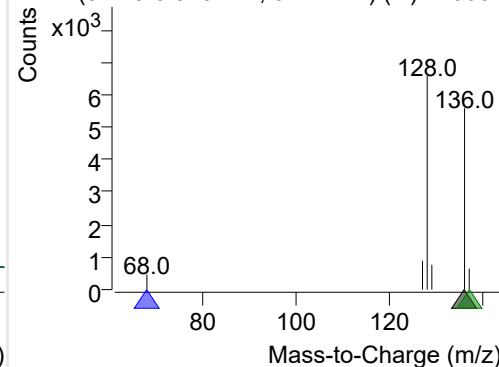
+ Selected Ion (136.0) 220607-PAHs-030.D



136.0, 68.0, 137.0

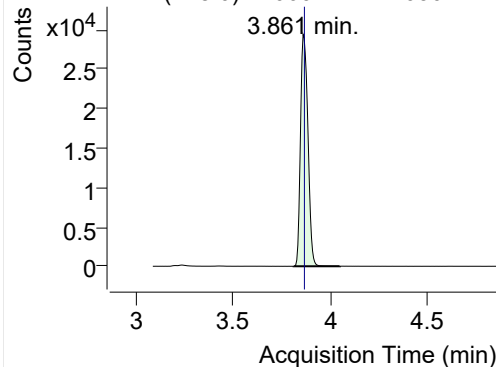


+ SIM (3.775-3.970 min, 37 scans) (**) 220607

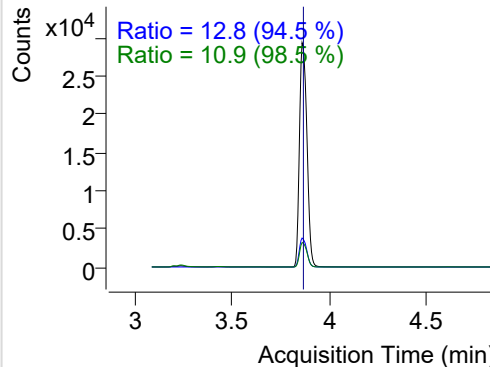


Naphthalene

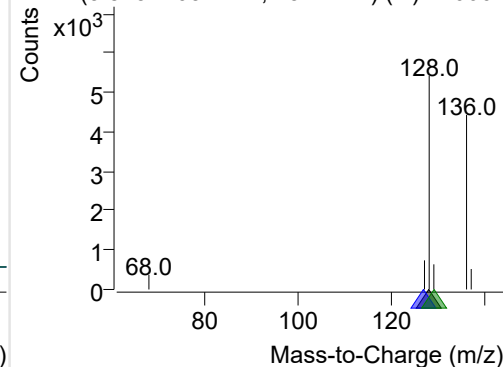
+ Selected Ion (128.0) 220607-PAHs-030.D



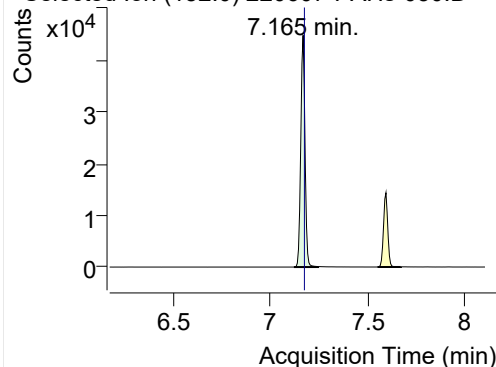
128.0, 127.0, 129.0



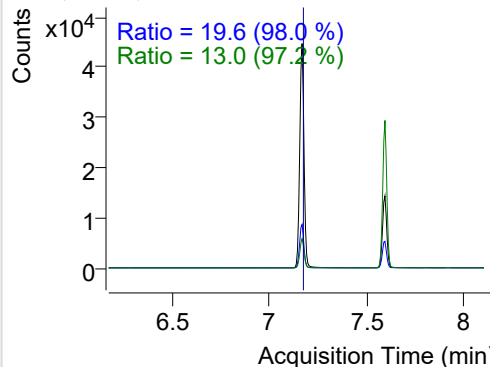
+ SIM (3.813-4.051 min, 45 scans) (**) 220607

**Acenaphthylene**

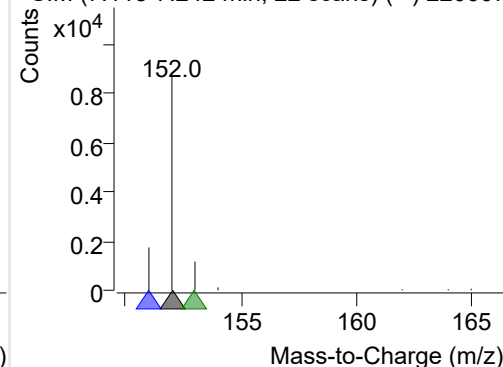
+ Selected Ion (152.0) 220607-PAHs-030.D



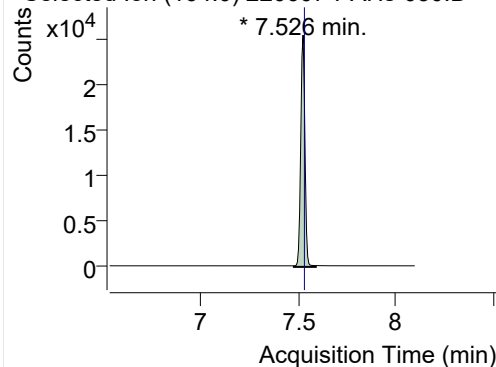
152.0, 151.0, 153.0



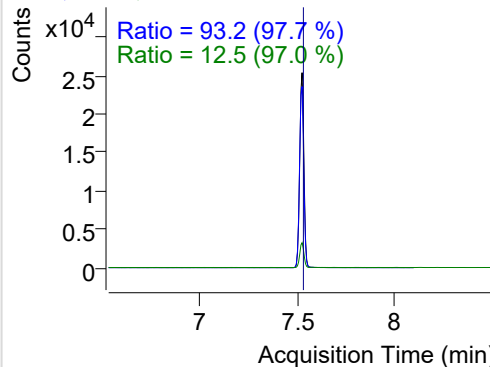
+ SIM (7.118-7.242 min, 22 scans) (**) 220607

**IS-D10-Acenaphthene**

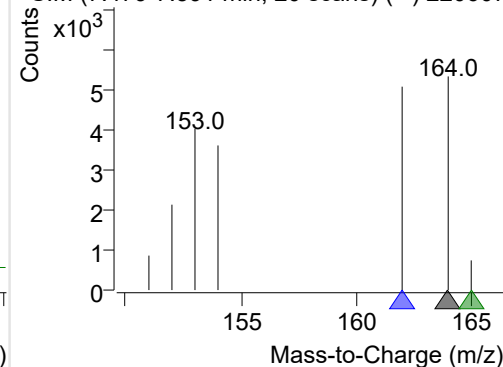
+ Selected Ion (164.0) 220607-PAHs-030.D



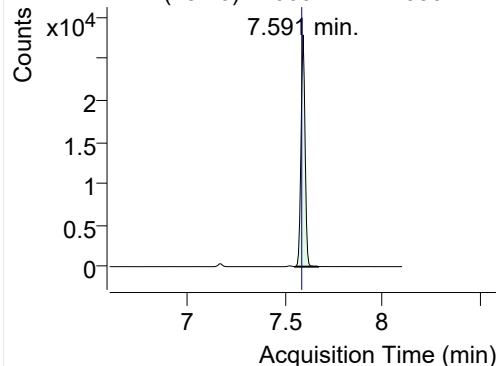
164.0, 162.0, 165.0



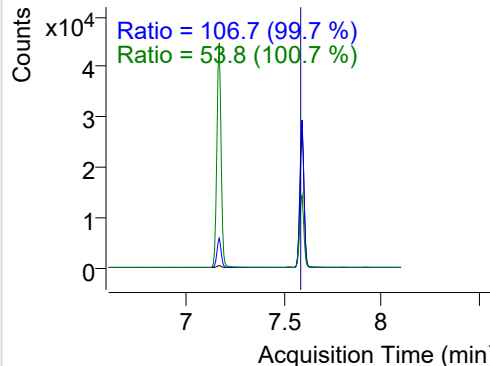
+ SIM (7.479-7.591 min, 20 scans) (**) 220607

**Acenaphthene**

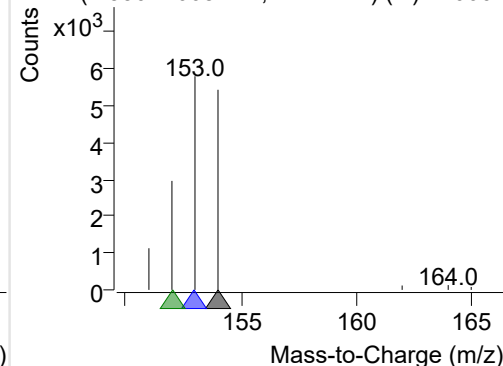
+ Selected Ion (154.0) 220607-PAHs-030.D



154.0, 153.0, 152.0

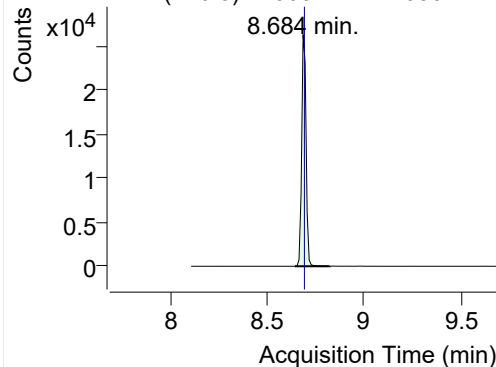


+ SIM (7.550-7.668 min, 21 scans) (**) 220607

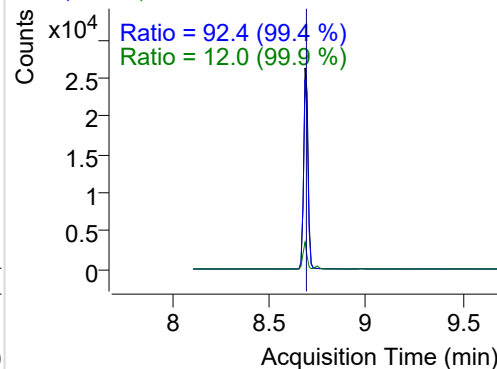


LSS-D10-Fluorene

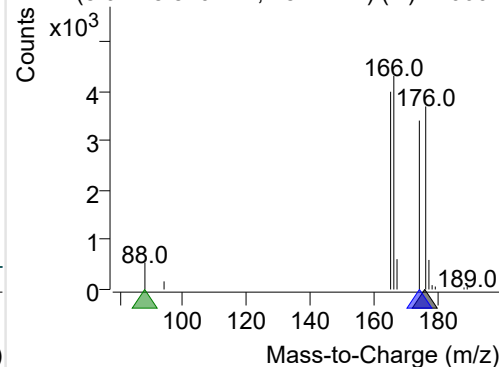
+ Selected Ion (176.0) 220607-PAHs-030.D



176.0, 174.0, 88.0

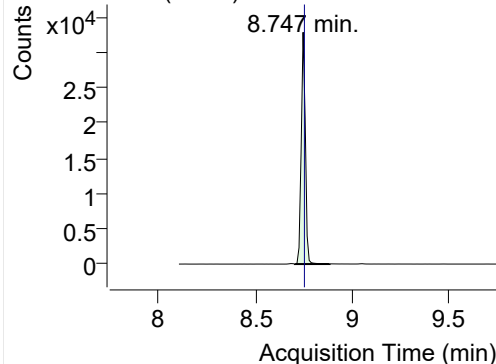


+ SIM (8.642-8.820 min, 18 scans) (**) 220607

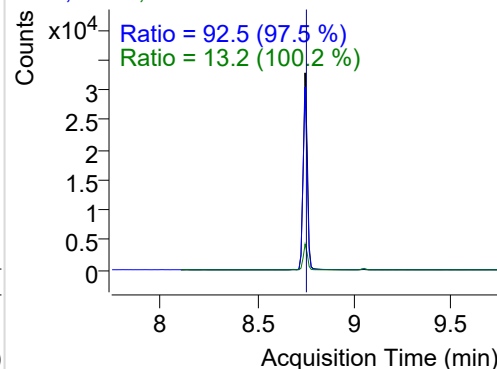


Fluorene

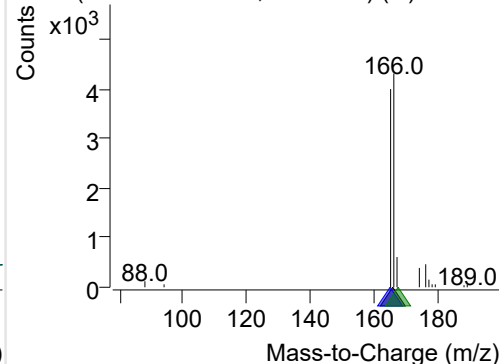
+ Selected Ion (166.0) 220607-PAHs-030.D



166.0, 165.0, 167.0

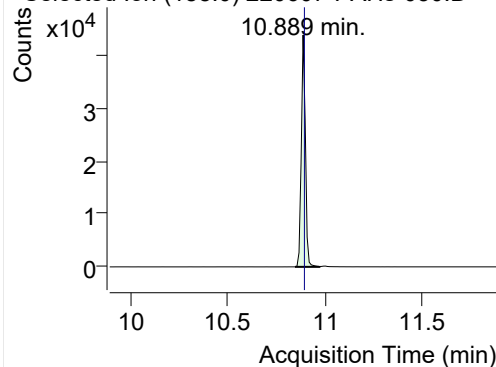


+ SIM (8.705-8.883 min, 18 scans) (**) 220607

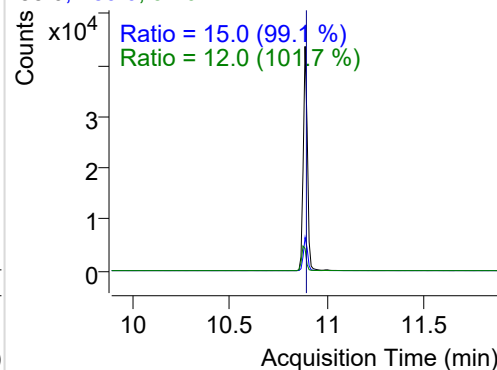


IS-D10-Phenanthrene

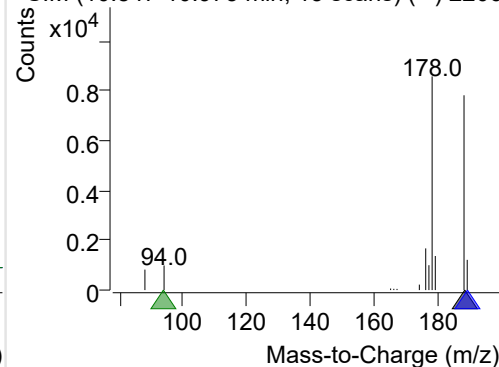
+ Selected Ion (188.0) 220607-PAHs-030.D



188.0, 189.0, 94.0

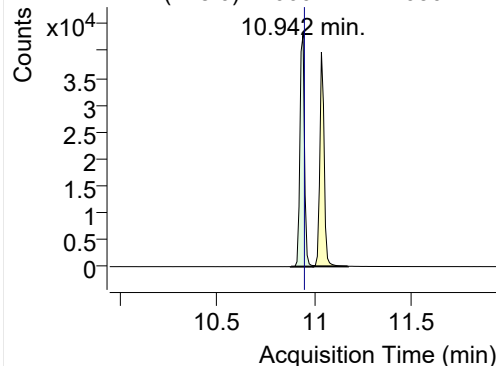


+ SIM (10.847-10.973 min, 13 scans) (**) 2206

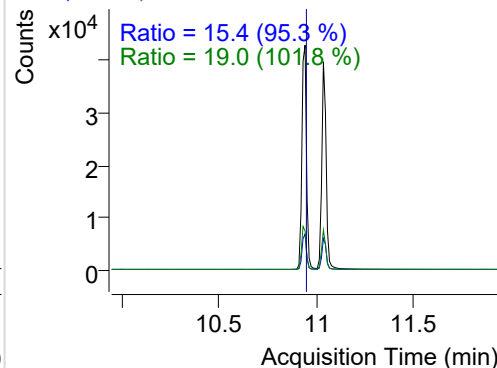


Phenanthrene

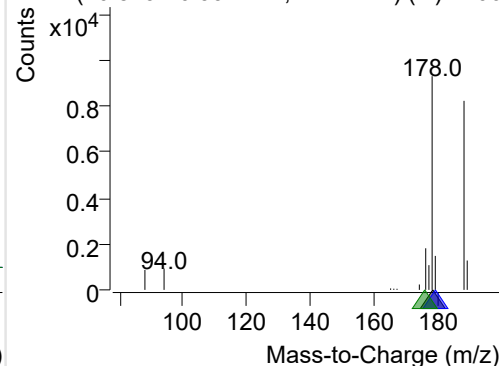
+ Selected Ion (178.0) 220607-PAHs-030.D



178.0, 179.0, 176.0

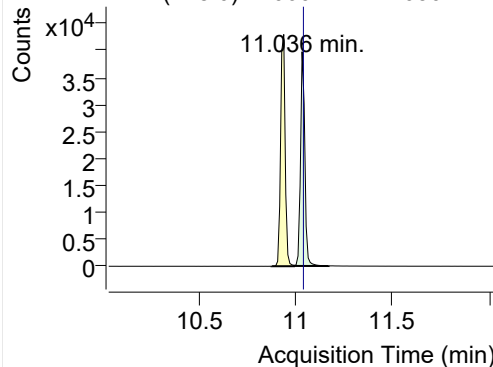


+ SIM (10.879-10.994 min, 12 scans) (**) 2206

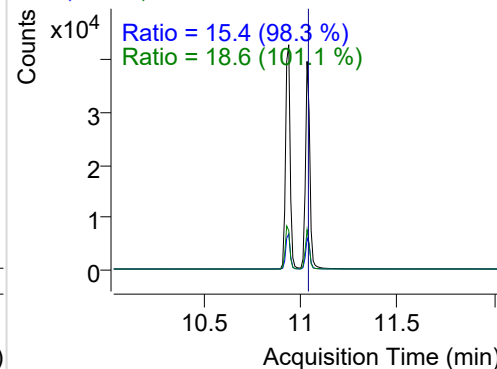


Anthracene

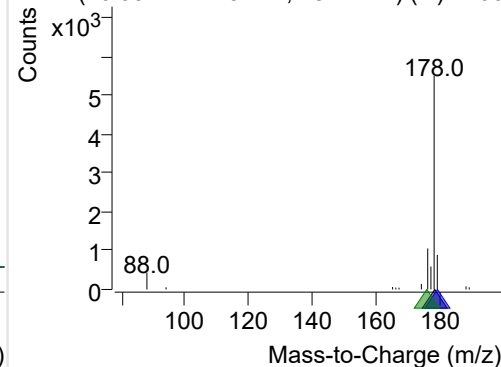
+ Selected Ion (178.0) 220607-PAHs-030.D



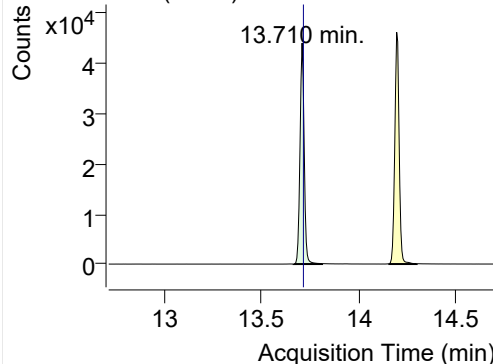
178.0, 179.0, 176.0



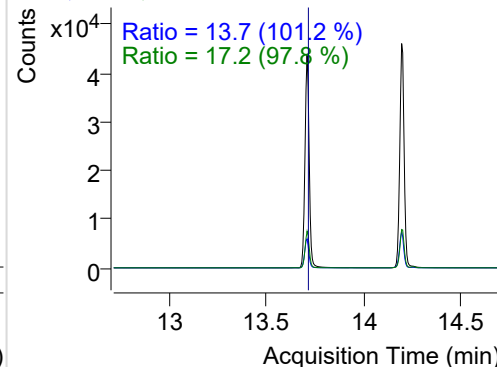
+ SIM (10.994-11.173 min, 18 scans) (**) 2206

**Fluoranthene**

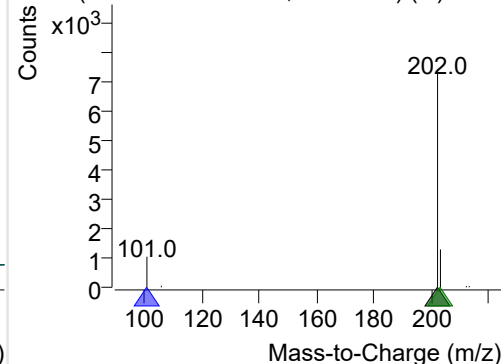
+ Selected Ion (202.0) 220607-PAHs-030.D



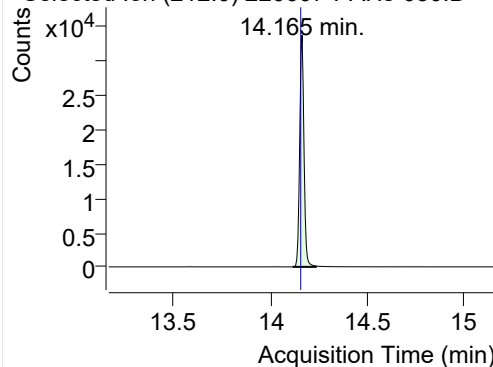
202.0, 101.0, 203.0



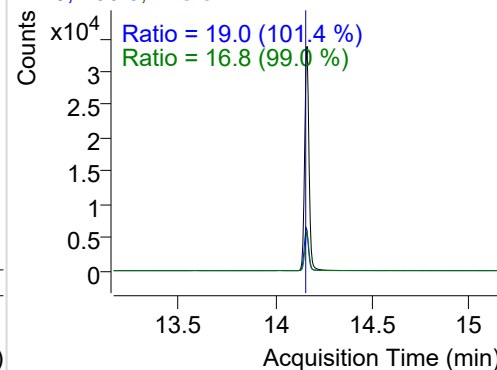
+ SIM (13.666-13.813 min, 28 scans) (**) 2206

**LSS-D10-Pyrene**

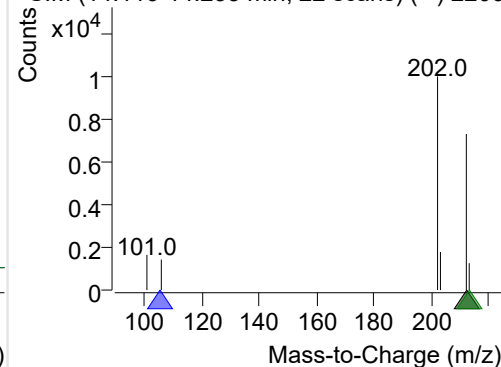
+ Selected Ion (212.0) 220607-PAHs-030.D



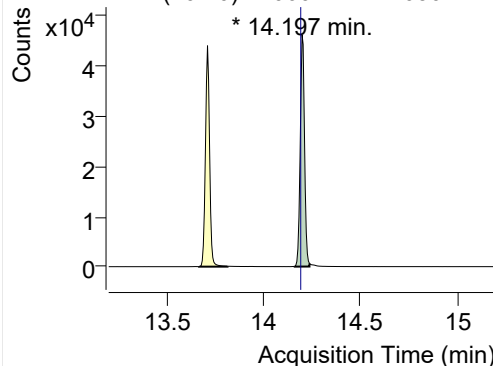
212.0, 106.0, 213.0



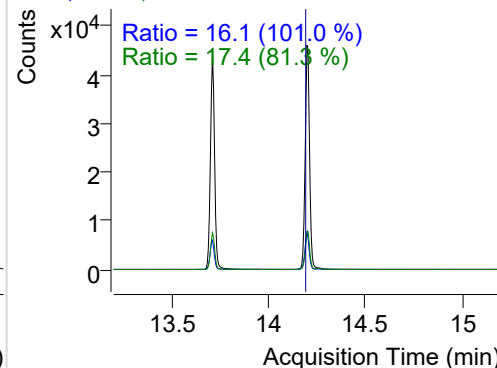
+ SIM (14.116-14.235 min, 22 scans) (**) 2206

**Pyrene**

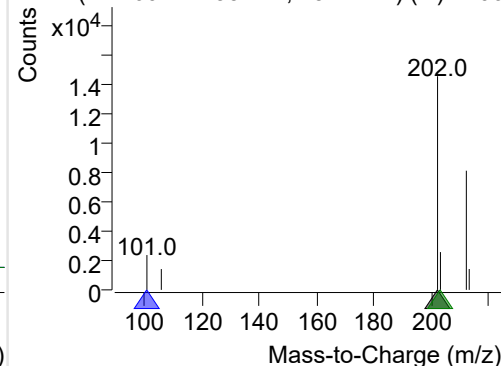
+ Selected Ion (202.0) 220607-PAHs-030.D



202.0, 101.0, 203.0

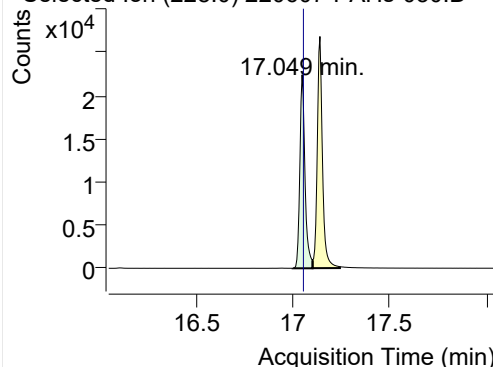


+ SIM (14.160-14.235 min, 15 scans) (**) 2206

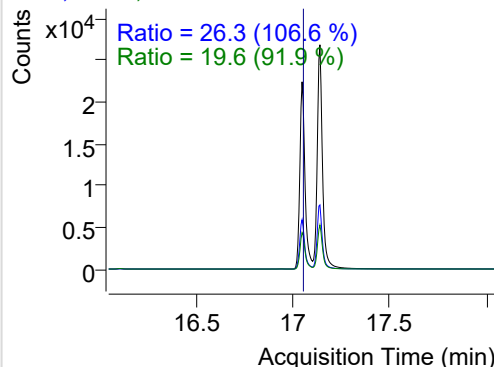


Benz(a)anthracene

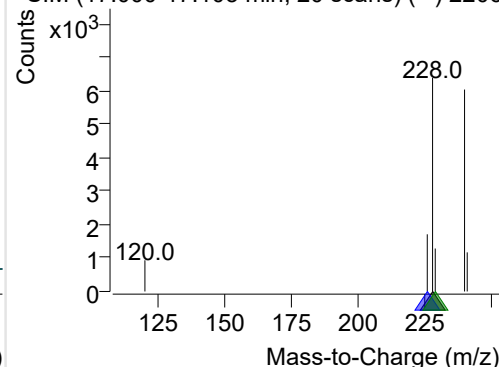
+ Selected Ion (228.0) 220607-PAHs-030.D



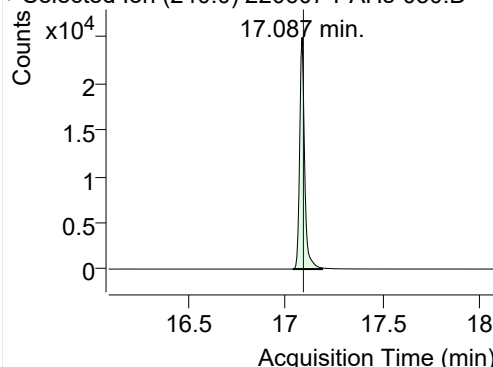
228.0, 226.0, 229.0



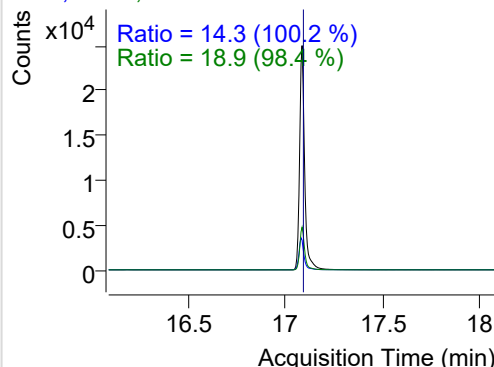
+ SIM (17.000-17.103 min, 20 scans) (**) 2206

**IS-D12-Chrysene**

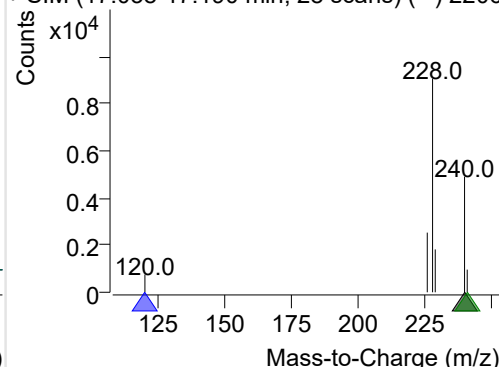
+ Selected Ion (240.0) 220607-PAHs-030.D



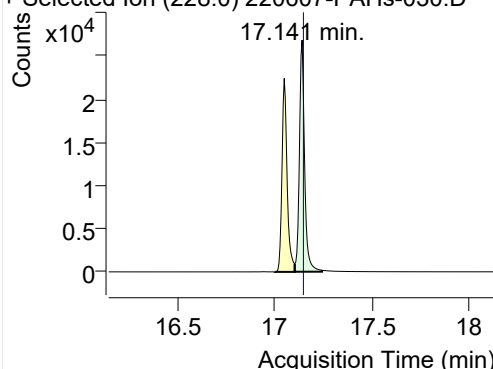
240.0, 120.0, 241.0



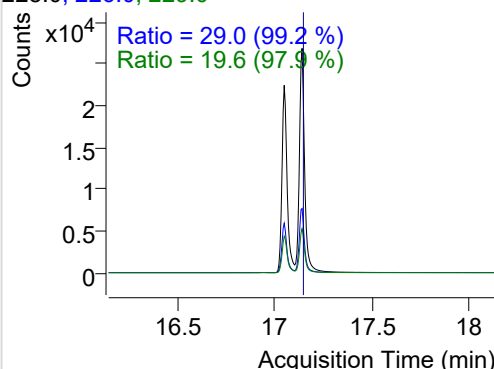
+ SIM (17.038-17.190 min, 28 scans) (**) 2206

**Chrysene**

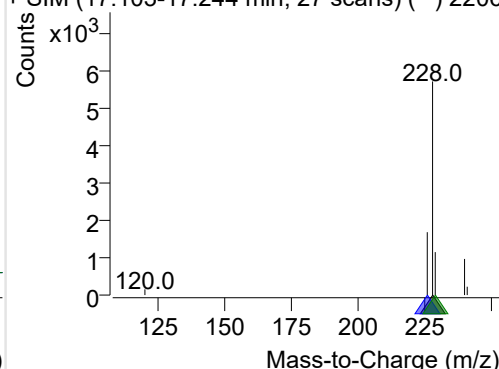
+ Selected Ion (228.0) 220607-PAHs-030.D



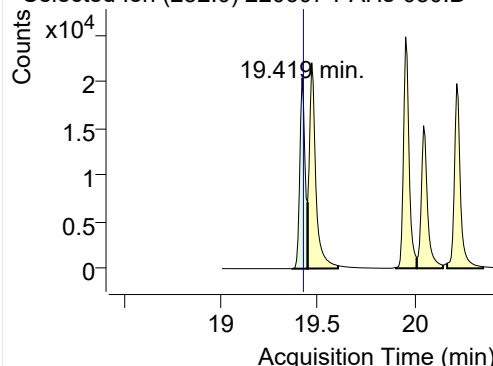
228.0, 226.0, 229.0



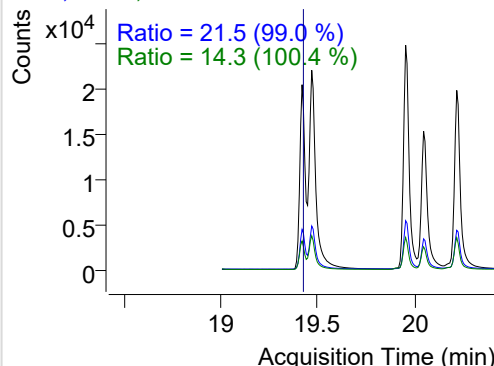
+ SIM (17.103-17.244 min, 27 scans) (**) 2206

**Benzo(b)fluoranthene**

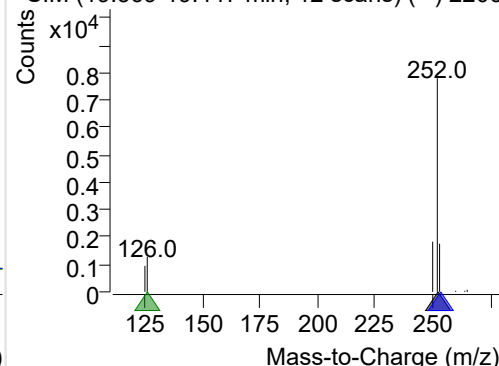
+ Selected Ion (252.0) 220607-PAHs-030.D



252.0, 253.0, 126.0

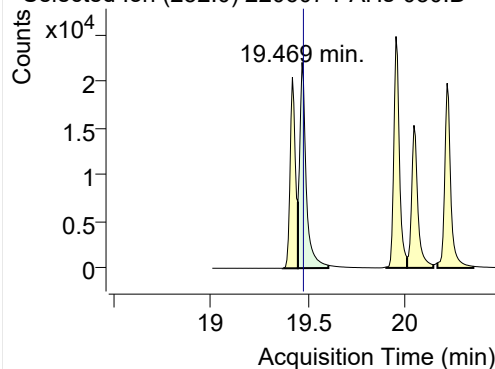


+ SIM (19.369-19.447 min, 12 scans) (**) 2206

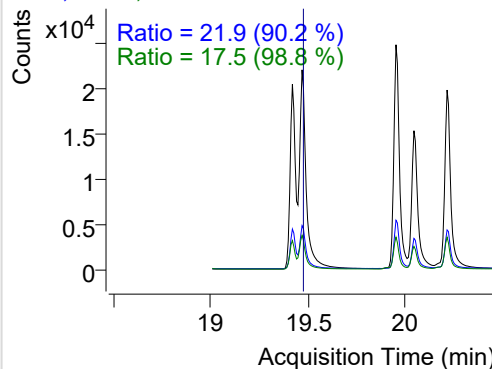


Benzo(k)fluoranthene

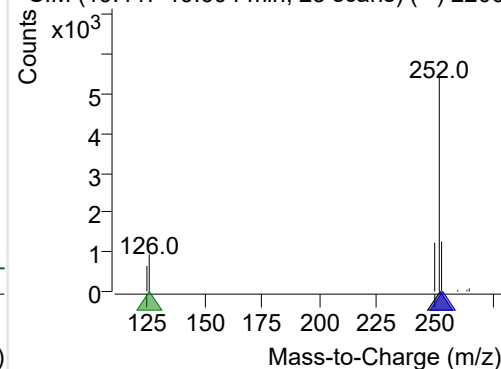
+ Selected Ion (252.0) 220607-PAHs-030.D



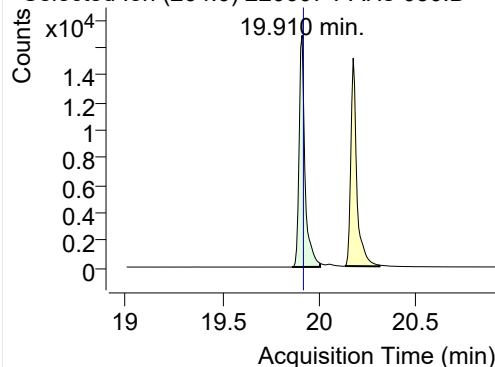
252.0, 253.0, 126.0



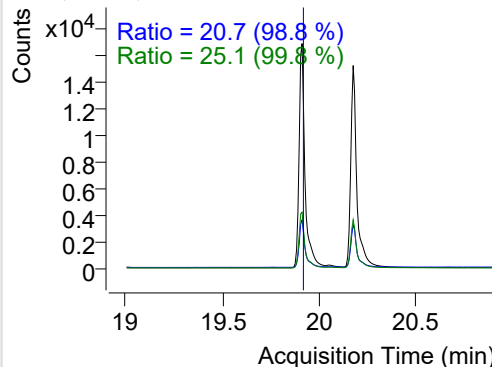
+ SIM (19.447-19.604 min, 23 scans) (**) 2206

**SS-D12-Benzo(e)pyrene**

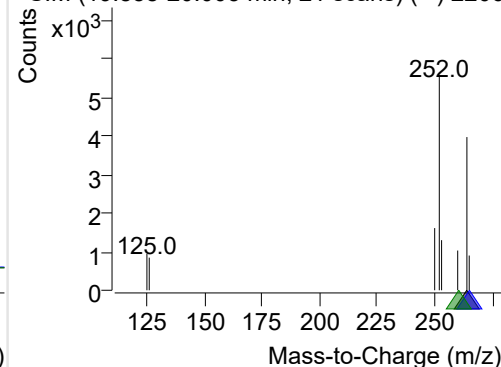
+ Selected Ion (264.0) 220607-PAHs-030.D



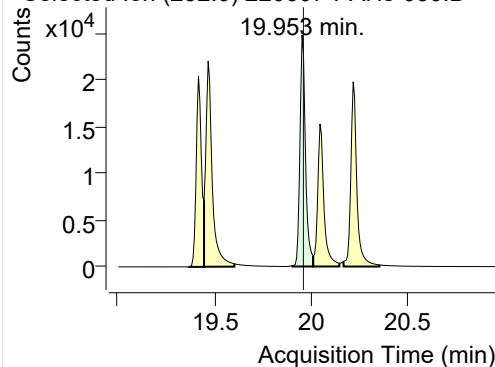
264.0, 265.0, 260.0



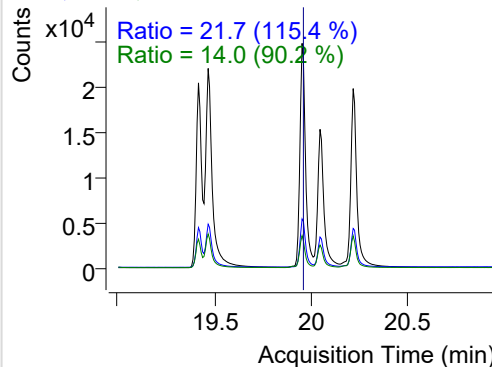
+ SIM (19.858-20.003 min, 21 scans) (**) 2206

**Benzo(e)pyrene**

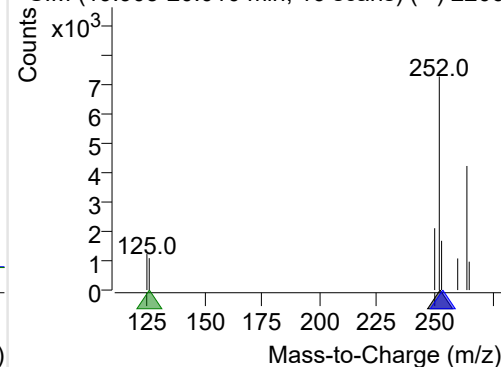
+ Selected Ion (252.0) 220607-PAHs-030.D



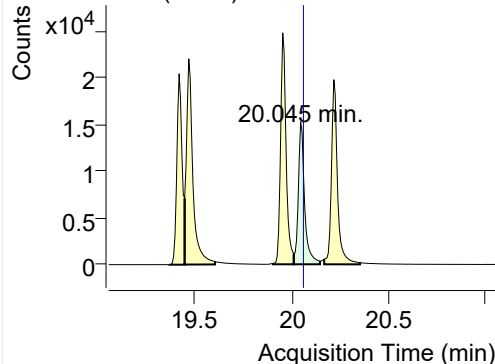
252.0, 253.0, 126.0



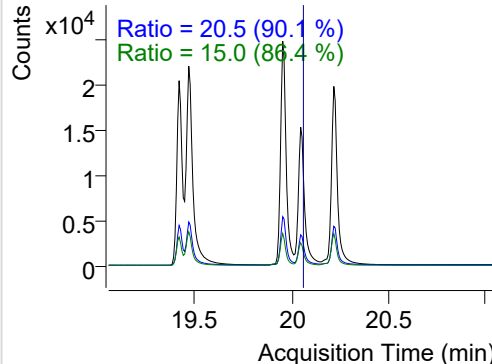
+ SIM (19.903-20.010 min, 16 scans) (**) 2206

**Benzo(a)pyrene**

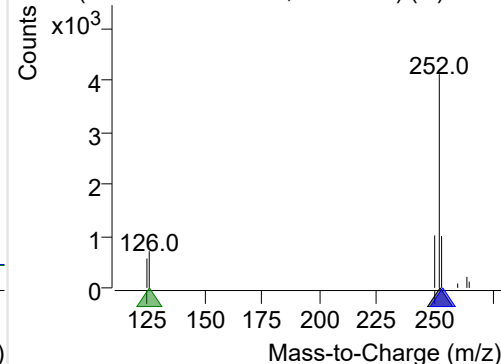
+ Selected Ion (252.0) 220607-PAHs-030.D



252.0, 253.0, 126.0

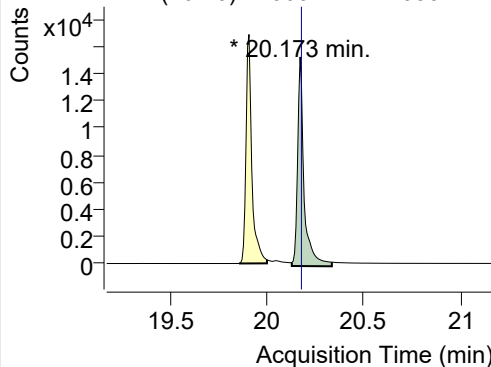


+ SIM (20.010-20.145 min, 20 scans) (**) 2206

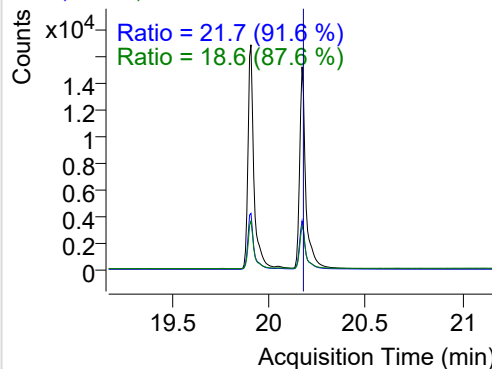


IS-D12-Perylene

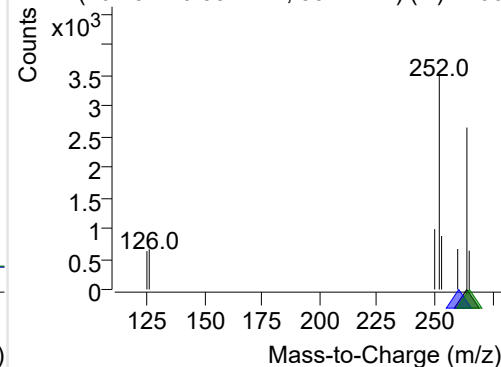
+ Selected Ion (264.0) 220607-PAHs-030.D



264.0, 260.0, 265.0

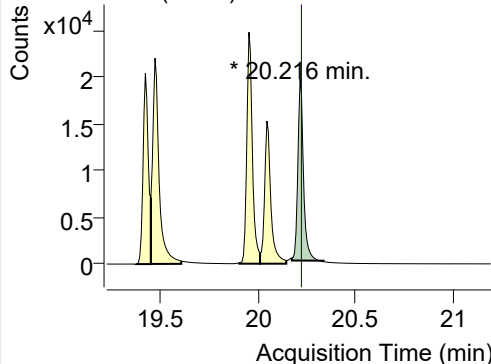


+ SIM (20.131-20.337 min, 30 scans) (**) 2206

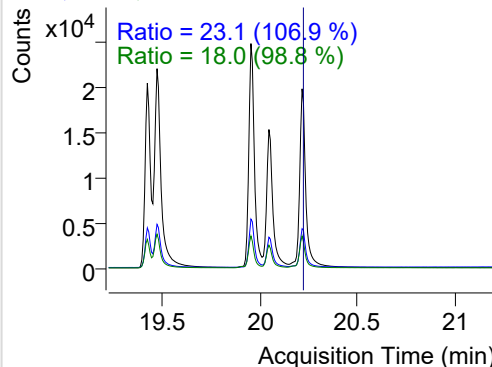


Perylene

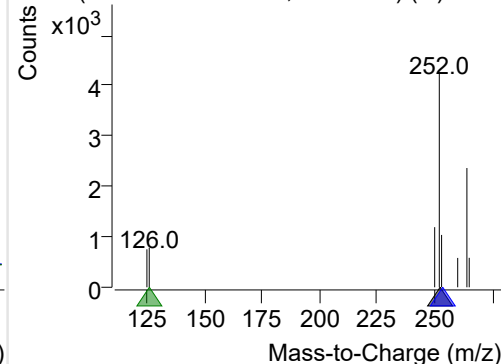
+ Selected Ion (252.0) 220607-PAHs-030.D



252.0, 253.0, 126.0

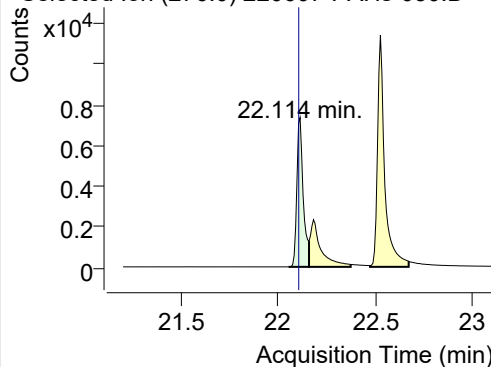


+ SIM (20.173-20.337 min, 24 scans) (**) 2206

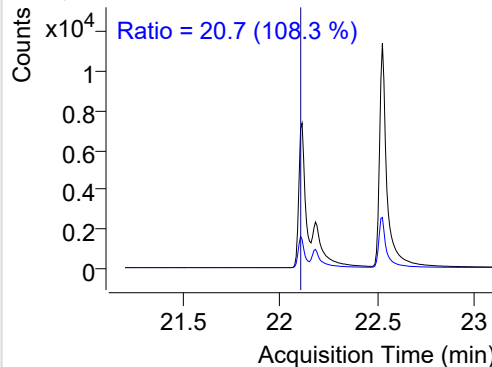


Indeno(1,2,3-c,d)pyrene

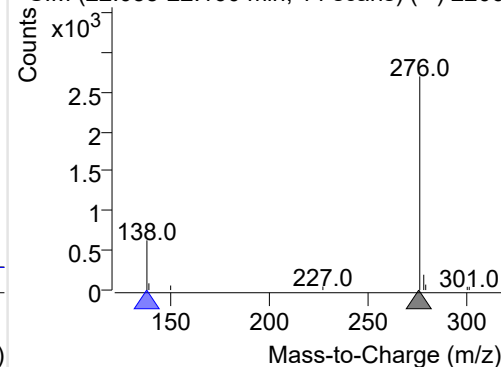
+ Selected Ion (276.0) 220607-PAHs-030.D



276.0, 138.0

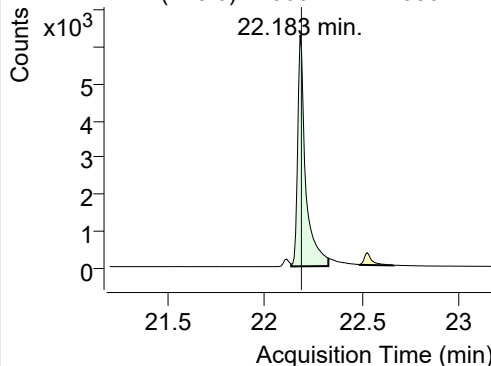


+ SIM (22.055-22.160 min, 14 scans) (**) 2206

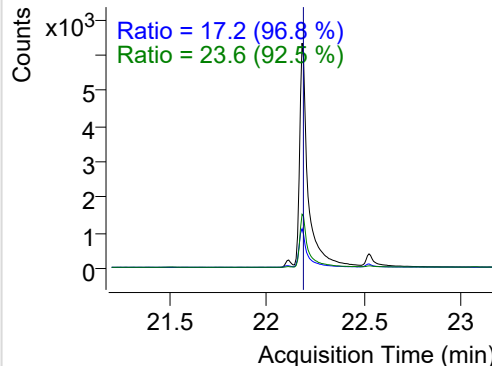


Dibenz(a,h)anthracene

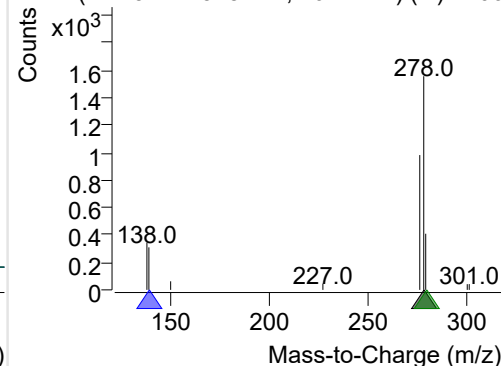
+ Selected Ion (278.0) 220607-PAHs-030.D



278.0, 139.0, 279.0

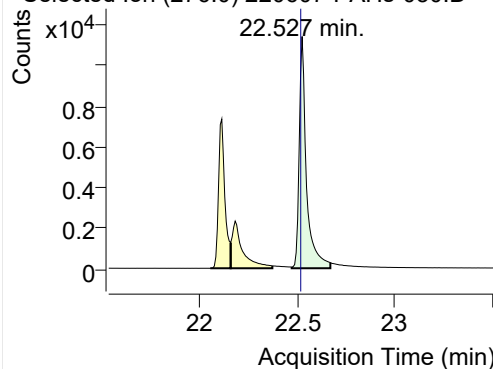


+ SIM (22.137-22.328 min, 26 scans) (**) 2206

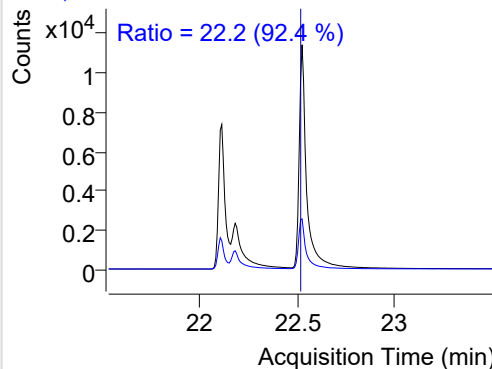


Benzo(g,h,i)perylene

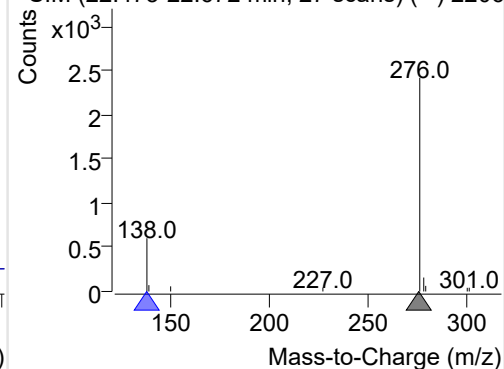
+ Selected Ion (276.0) 220607-PAHs-030.D



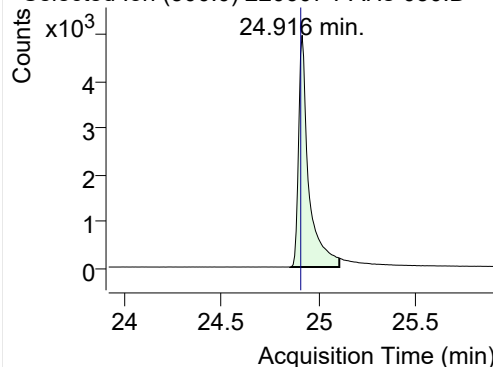
276.0, 138.0



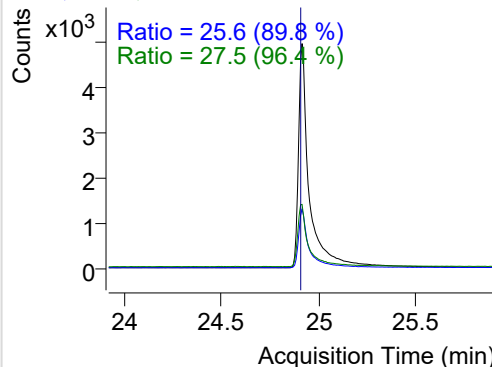
+ SIM (22.473-22.672 min, 27 scans) (**) 2206

**Coronene**

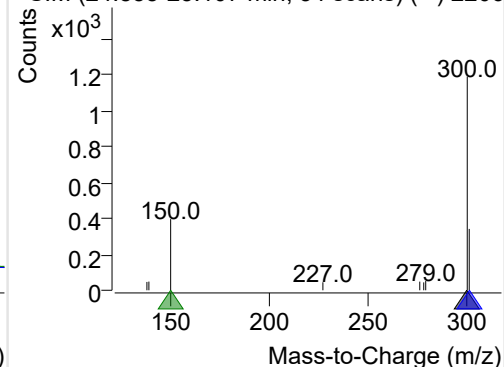
+ Selected Ion (300.0) 220607-PAHs-030.D



300.0, 301.0, 150.0



+ SIM (24.855-25.107 min, 34 scans) (**) 2206



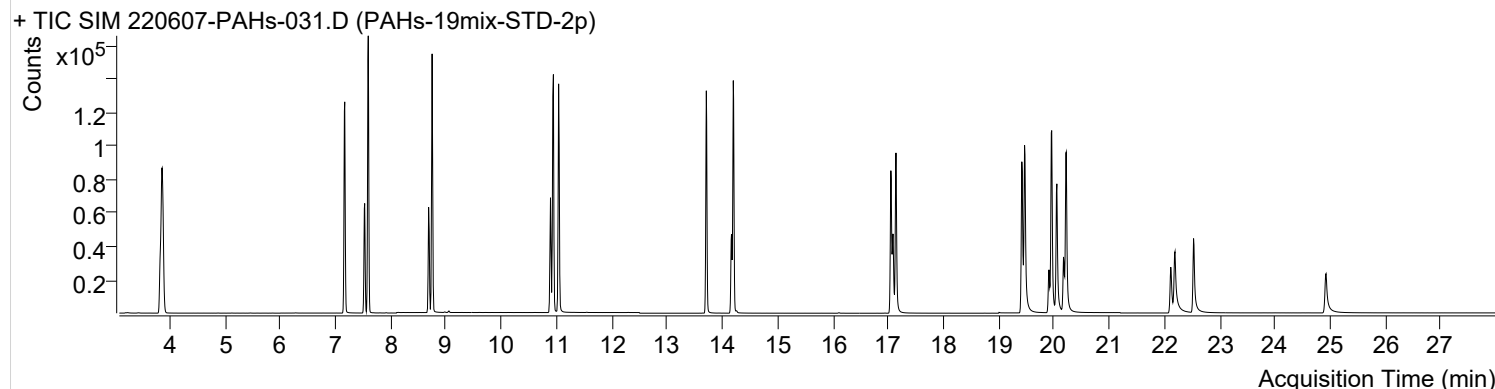
Quantitative Analysis Sample Based Report



Trusted Answers

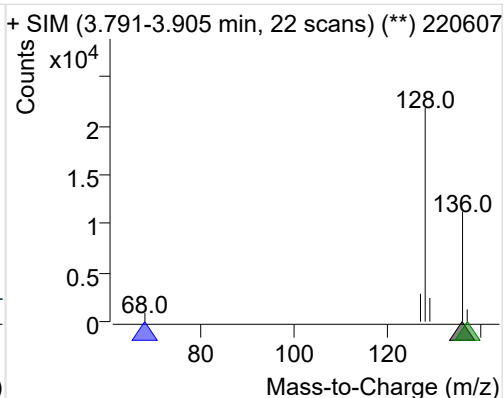
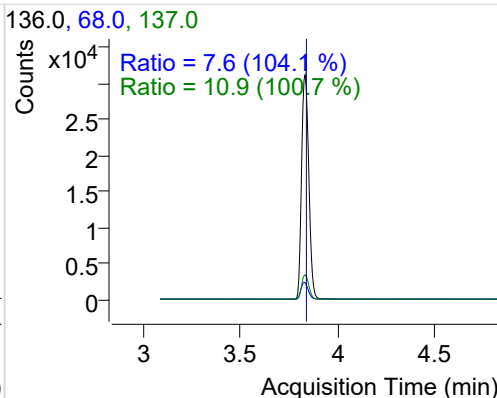
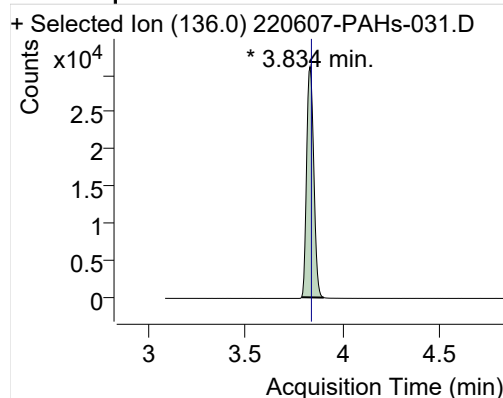
Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 1:32:38	Data File	220607-PAHs-031.D
Type	Sample	Name	PAHs-19mix-STD-2p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram



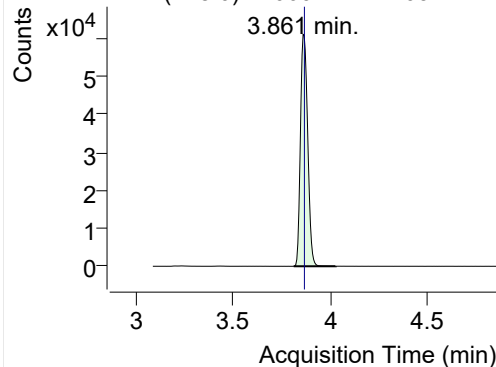
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.834	136.0	79080	30921.43	ND ng/ml	10.9
Naphthalene	3.861	128.0	158324	60896.51	ND ng/ml	12.9
Acenaphthylene	7.165	152.0	143689	94589.70	ND ng/ml	19.6
IS-D10-Acenaphthene	7.526	164.0	46992	31508.31	ND ng/ml	96.1
Acenaphthene	7.591	154.0	87665	59773.13	ND ng/ml	106.9
LSS-D10-Fluorene	8.684	176.0	42578	27811.68	ND ng/ml	92.1
Fluorene	8.747	166.0	105532	74375.16	ND ng/ml	92.9
IS-D10-Phenanthrene	10.889	188.0	78331	54580.20	ND ng/ml	14.9
Phenanthrene	10.942	178.0	150585	95023.95	ND ng/ml	18.8
Anthracene	11.036	178.0	139379	89613.80	ND ng/ml	18.1
Fluoranthene	13.710	202.0	148989	101432.8	ND ng/ml	17.2
LSS-D10-Pyrene	14.165	212.0	53717	34397.46	ND ng/ml	19.1
Pyrene	14.198	202.0	156302	103495.7	ND ng/ml	17.3
Benz(a)anthracene	17.049	228.0	103939	58236.05	ND ng/ml	26.2
IS-D12-Chrysene	17.087	240.0	56058	30668.15	ND ng/ml	19.3
Chrysene	17.141	228.0	112324	63267.30	ND ng/ml	29.1
Benzo(b)fluoranthene	19.419	252.0	96346	52457.12	ND ng/ml	21.5
Benzo(k)fluoranthene	19.469	252.0	129768	57971.11	ND ng/ml	21.8
SS-D12-Benzo(e)pyrene	19.910	264.0	37522	17223.25	ND ng/ml	24.9
Benzo(e)pyrene	19.960	252.0	114111	59368.33	ND ng/ml	21.6
Benzo(a)pyrene	20.052	252.0	92222	44326.73	ND ng/ml	21.6
IS-D12-Perylene	20.173	264.0	44070	20984.68	ND ng/ml	24.9
Perylene	20.223	252.0	107159	50604.04	ND ng/ml	21.4
Indeno(1,2,3-c,d)pyrene	22.114	276.0	46363	21589.26	ND ng/ml	22.4
Dibenz(a,h)anthracene	22.191	278.0	54453	18850.33	ND ng/ml	23.8
Benzo(g,h,i)perylene	22.527	276.0	83318	34336.88	ND ng/ml	22.6
Coronene	24.924	300.0	51035	15263.95	ND ng/ml	29.6

IS-D8-Naphthalene

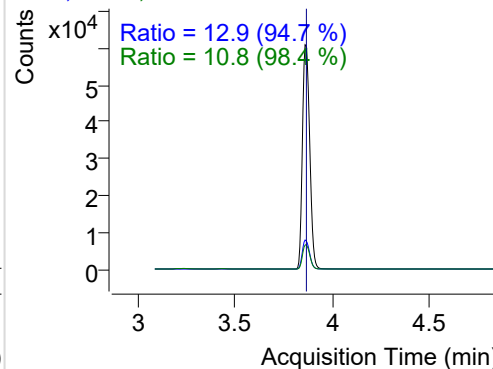


Naphthalene

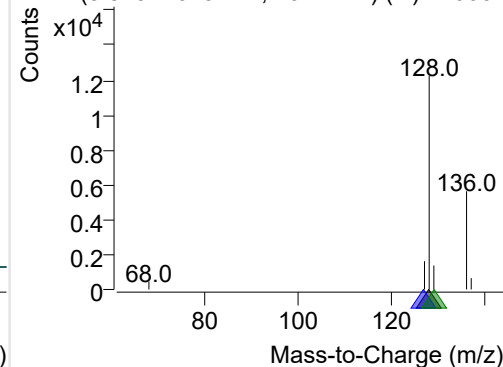
+ Selected Ion (128.0) 220607-PAHs-031.D



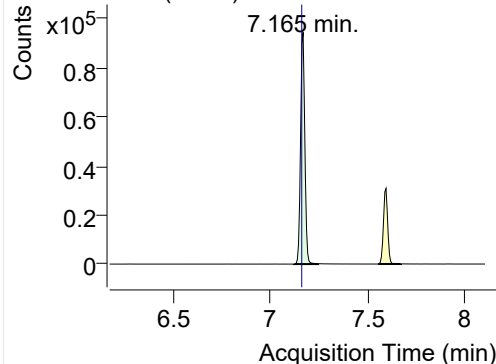
128.0, 127.0, 129.0



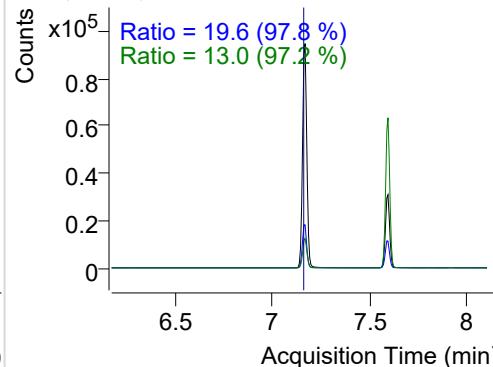
+ SIM (3.813-4.029 min, 40 scans) (**) 220607

**Acenaphthylene**

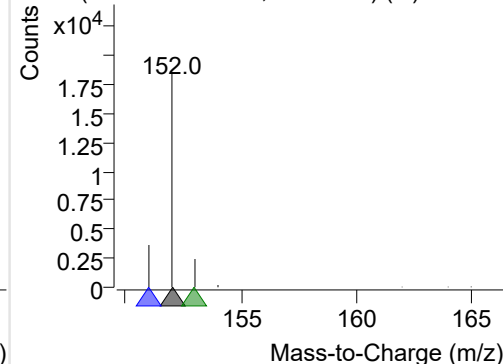
+ Selected Ion (152.0) 220607-PAHs-031.D



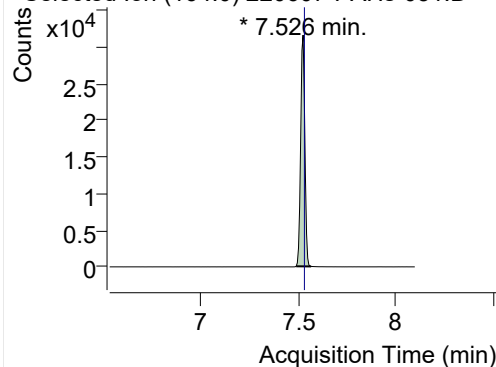
152.0, 151.0, 153.0



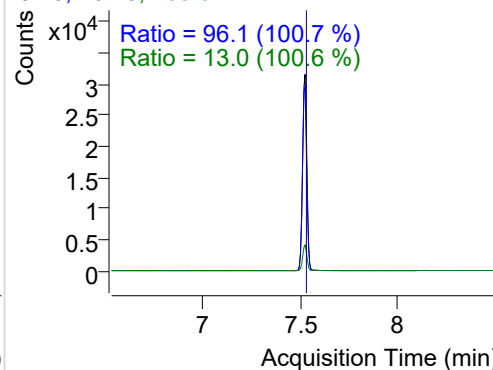
+ SIM (7.118-7.242 min, 22 scans) (**) 220607

**IS-D10-Acenaphthene**

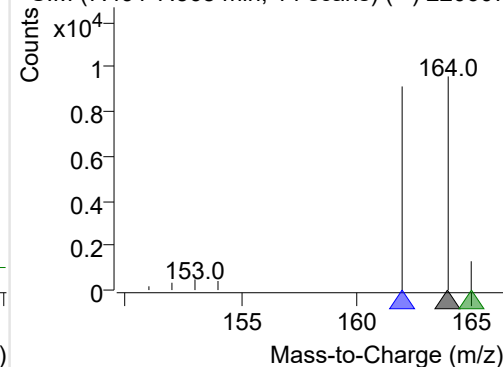
+ Selected Ion (164.0) 220607-PAHs-031.D



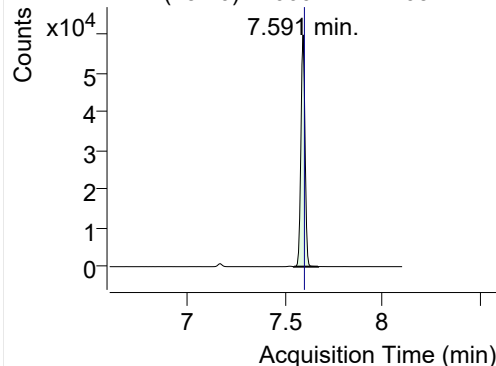
164.0, 162.0, 165.0



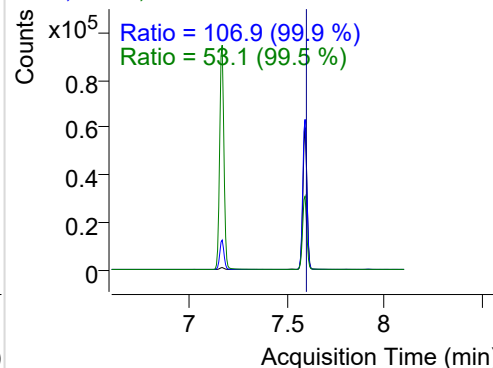
+ SIM (7.491-7.568 min, 14 scans) (**) 220607

**Acenaphthene**

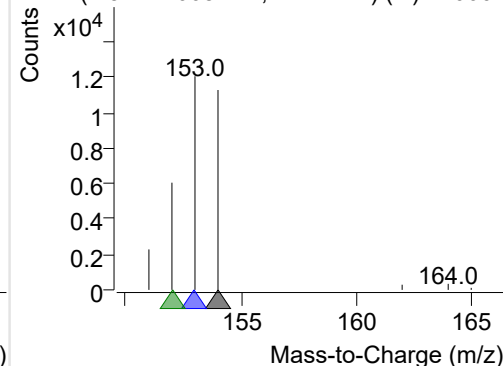
+ Selected Ion (154.0) 220607-PAHs-031.D



154.0, 153.0, 152.0

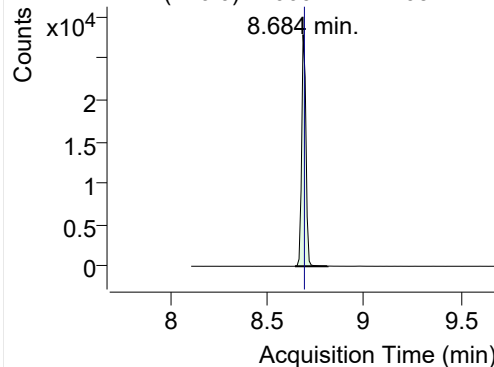


+ SIM (7.544-7.668 min, 22 scans) (**) 220607

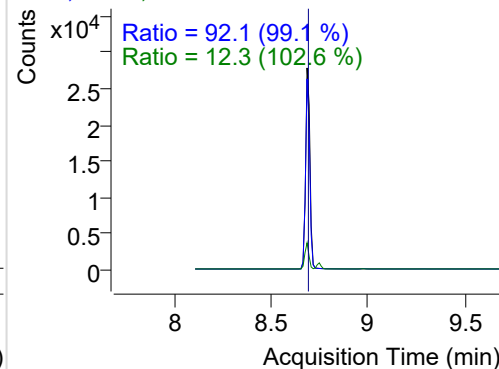


LSS-D10-Fluorene

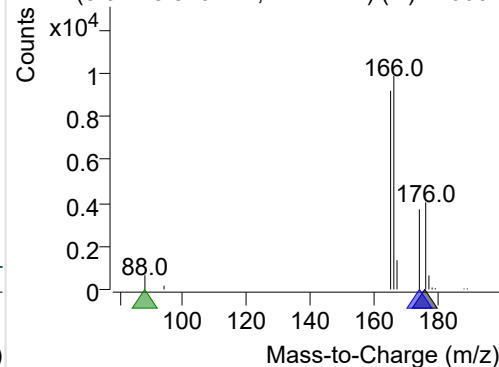
+ Selected Ion (176.0) 220607-PAHs-031.D



176.0, 174.0, 88.0

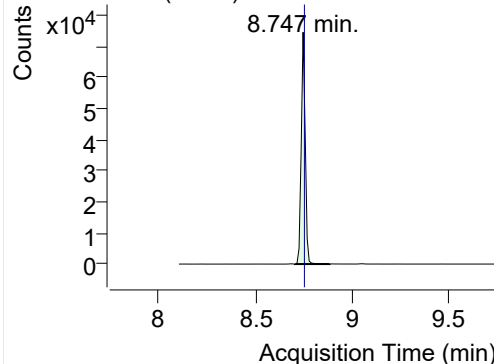


+ SIM (8.642-8.810 min, 17 scans) (**) 220607

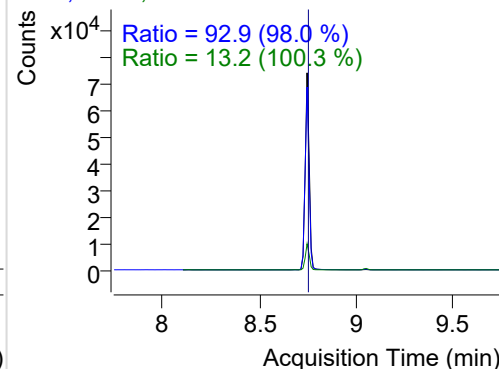


Fluorene

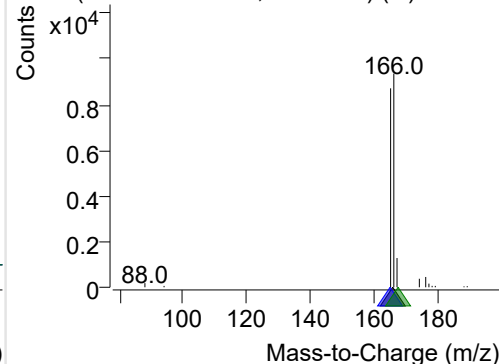
+ Selected Ion (166.0) 220607-PAHs-031.D



166.0, 165.0, 167.0

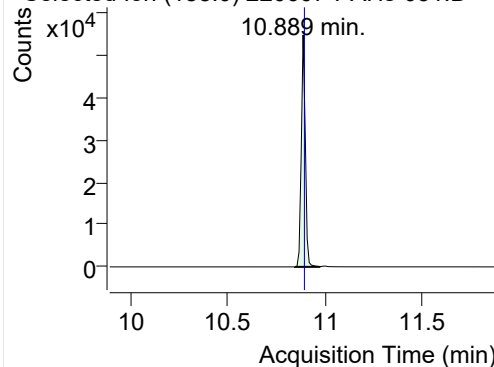


+ SIM (8.705-8.883 min, 18 scans) (**) 220607

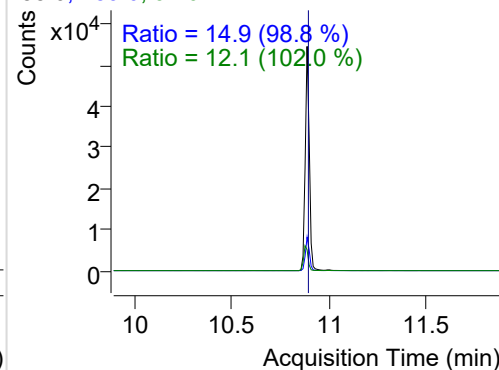


IS-D10-Phenanthrene

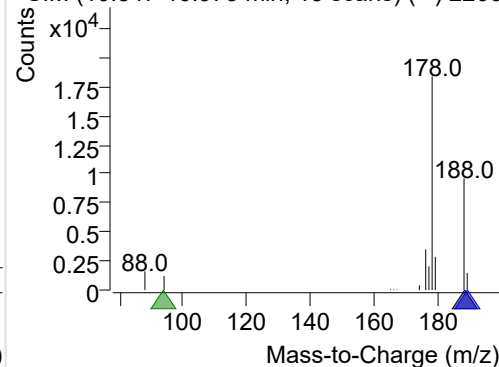
+ Selected Ion (188.0) 220607-PAHs-031.D



188.0, 189.0, 94.0

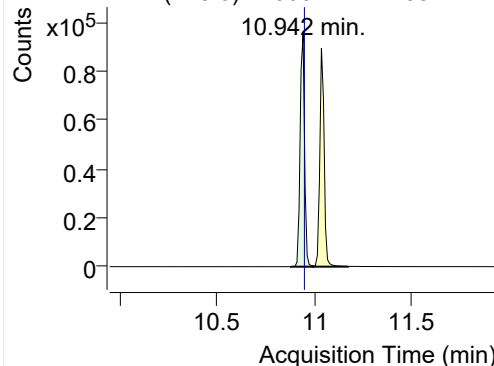


+ SIM (10.847-10.973 min, 13 scans) (**) 2206

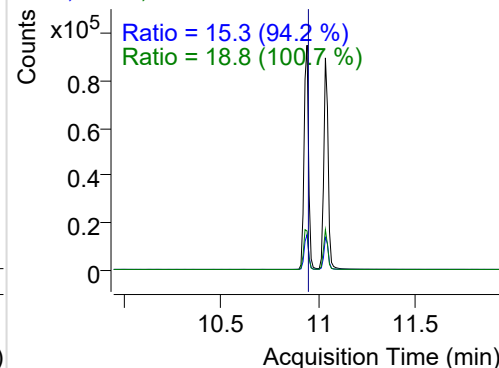


Phenanthrene

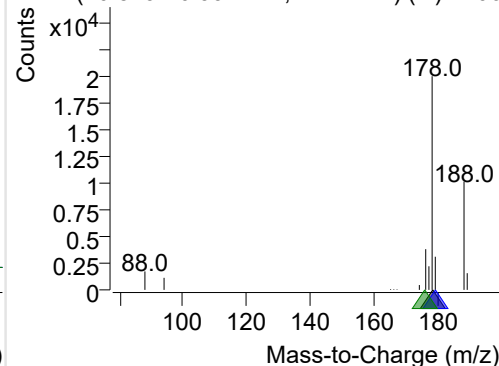
+ Selected Ion (178.0) 220607-PAHs-031.D



178.0, 179.0, 176.0

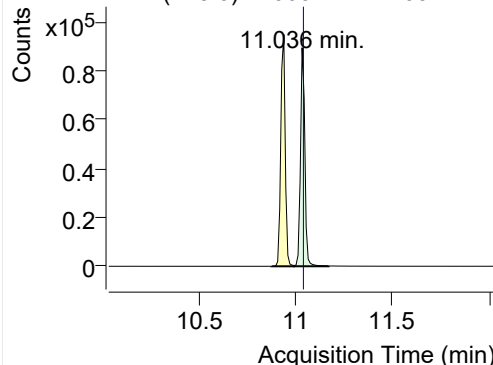


+ SIM (10.879-10.994 min, 12 scans) (**) 2206

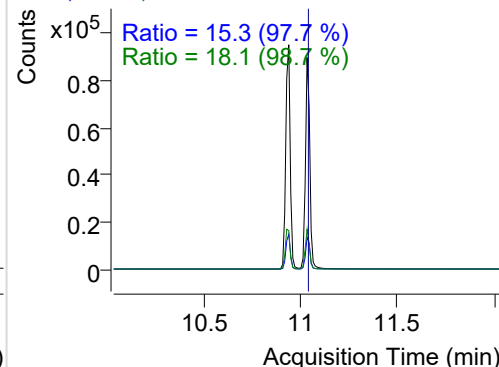


Anthracene

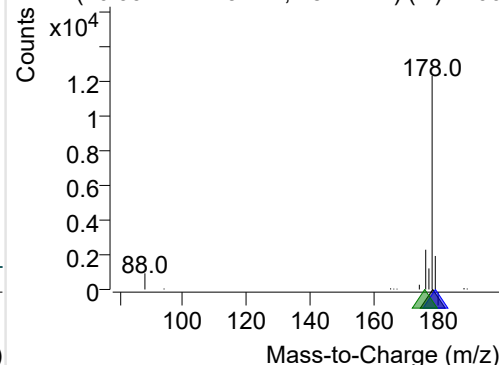
+ Selected Ion (178.0) 220607-PAHs-031.D



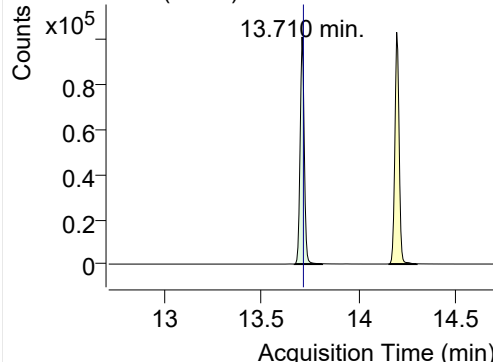
178.0, 179.0, 176.0



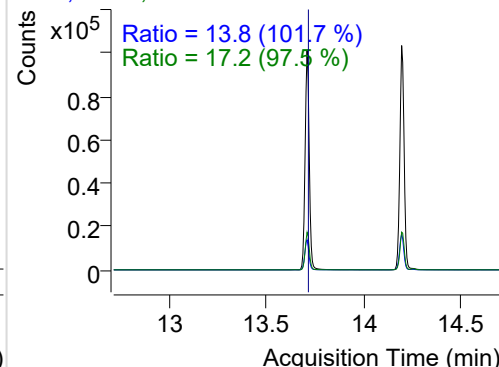
+ SIM (10.994-11.173 min, 18 scans) (**) 2206

**Fluoranthene**

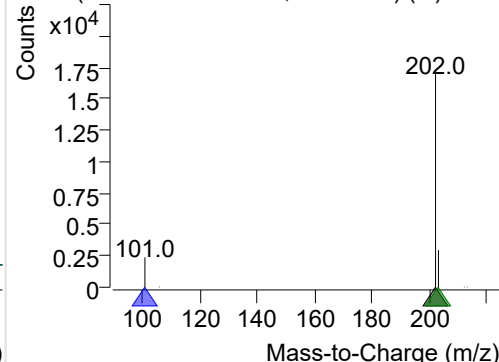
+ Selected Ion (202.0) 220607-PAHs-031.D



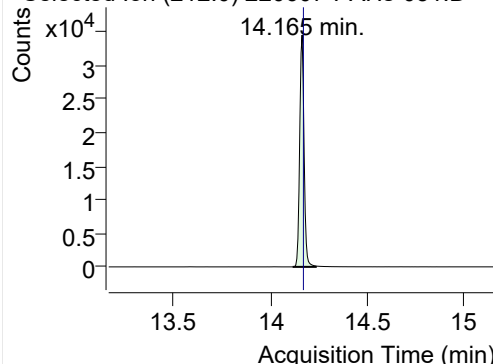
202.0, 101.0, 203.0



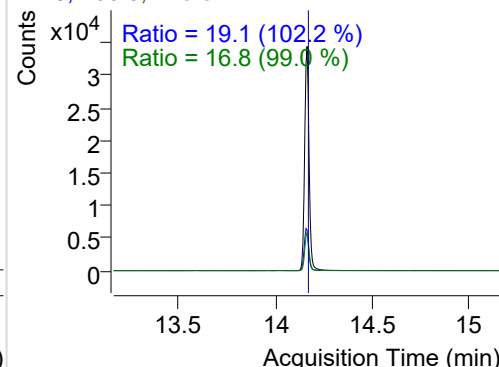
+ SIM (13.672-13.813 min, 27 scans) (**) 2206

**LSS-D10-Pyrene**

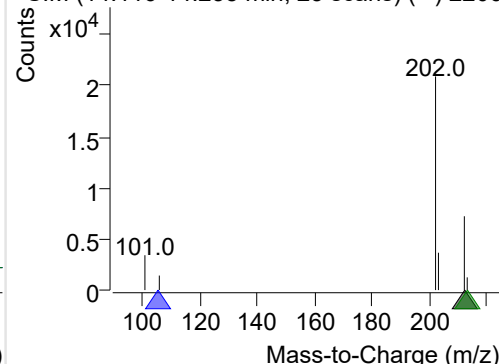
+ Selected Ion (212.0) 220607-PAHs-031.D



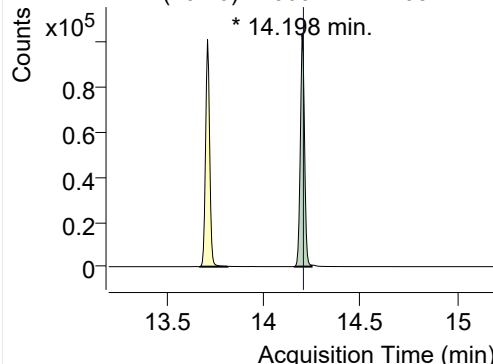
212.0, 106.0, 213.0



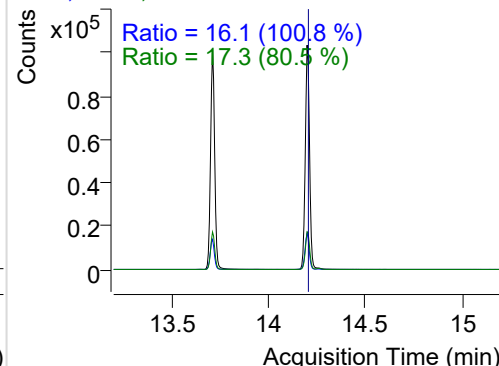
+ SIM (14.116-14.235 min, 23 scans) (**) 2206

**Pyrene**

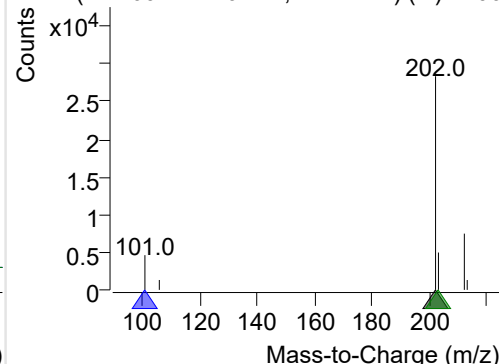
+ Selected Ion (202.0) 220607-PAHs-031.D



202.0, 101.0, 203.0

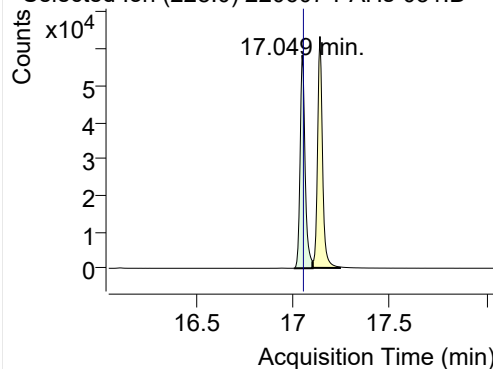


+ SIM (14.160-14.246 min, 17 scans) (**) 2206

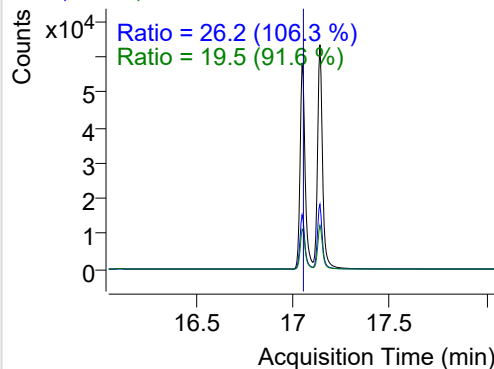


Benz(a)anthracene

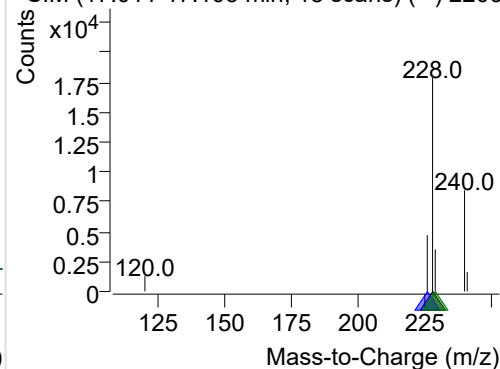
+ Selected Ion (228.0) 220607-PAHs-031.D



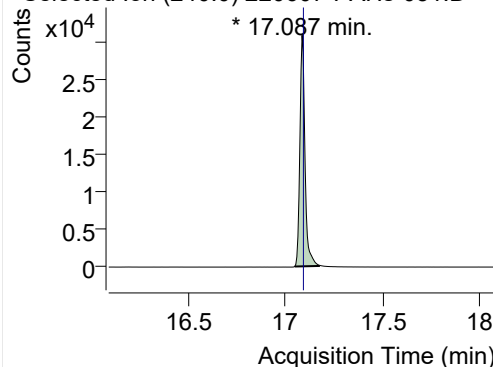
228.0, 226.0, 229.0



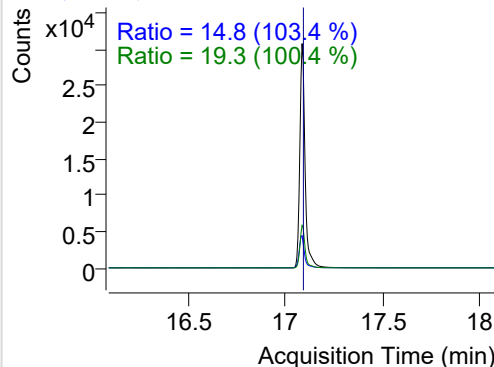
+ SIM (17.011-17.103 min, 18 scans) (**) 2206

**IS-D12-Chrysene**

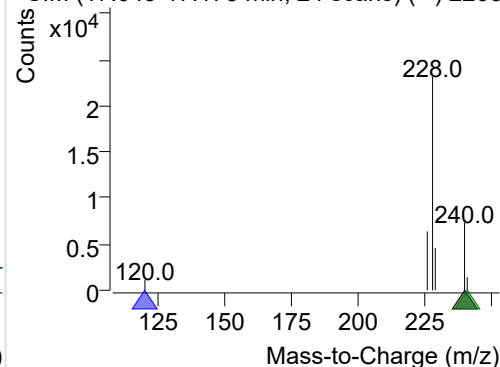
+ Selected Ion (240.0) 220607-PAHs-031.D



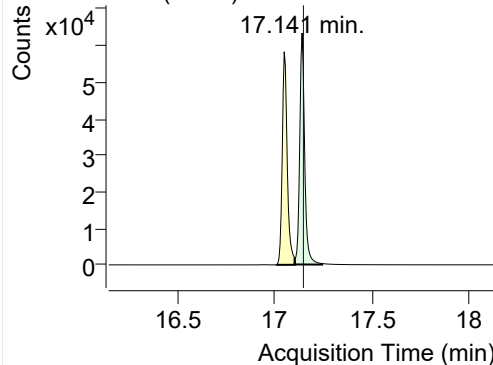
240.0, 120.0, 241.0



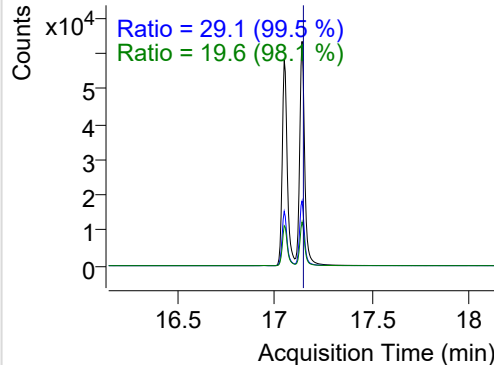
+ SIM (17.049-17.173 min, 24 scans) (**) 2206

**Chrysene**

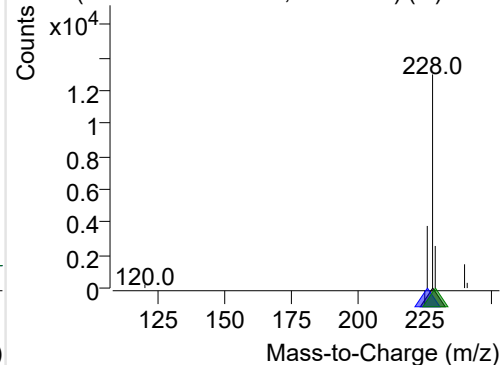
+ Selected Ion (228.0) 220607-PAHs-031.D



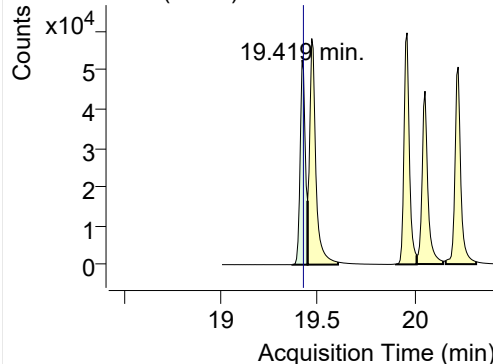
228.0, 226.0, 229.0



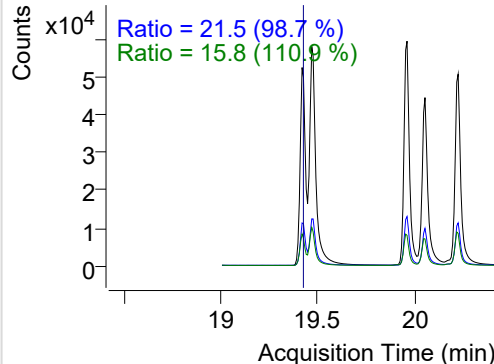
+ SIM (17.103-17.244 min, 27 scans) (**) 2206

**Benzo(b)fluoranthene**

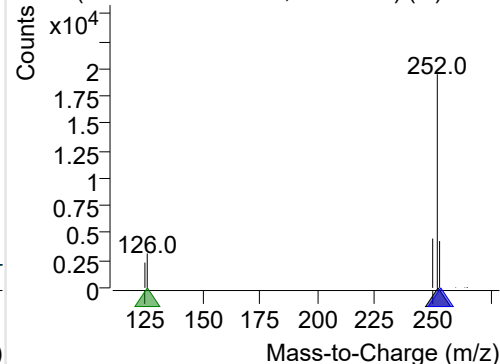
+ Selected Ion (252.0) 220607-PAHs-031.D



252.0, 253.0, 126.0

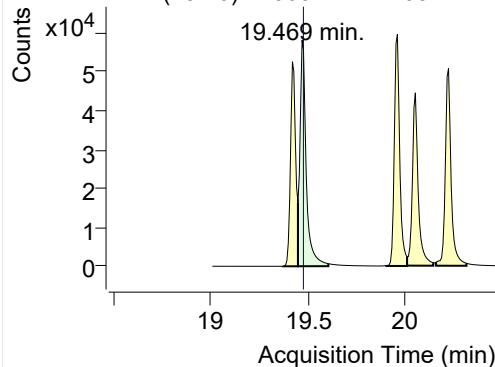


+ SIM (19.369-19.447 min, 12 scans) (**) 2206

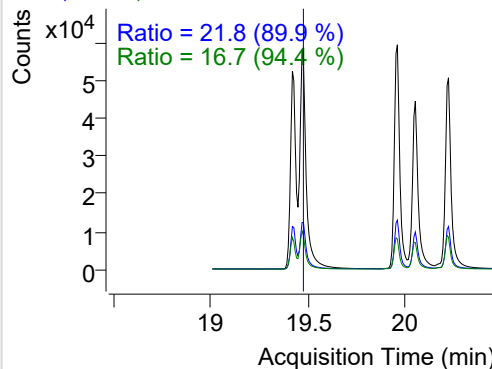


Benzo(k)fluoranthene

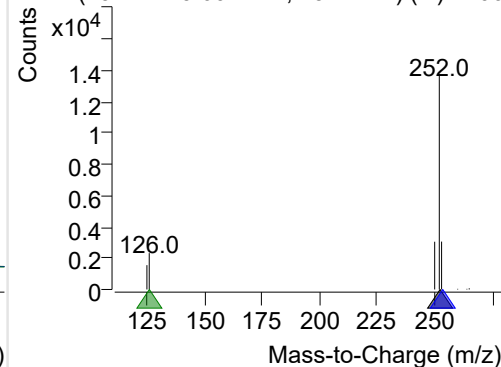
+ Selected Ion (252.0) 220607-PAHs-031.D



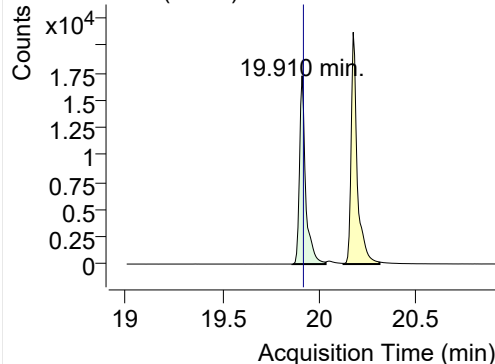
252.0, 253.0, 126.0



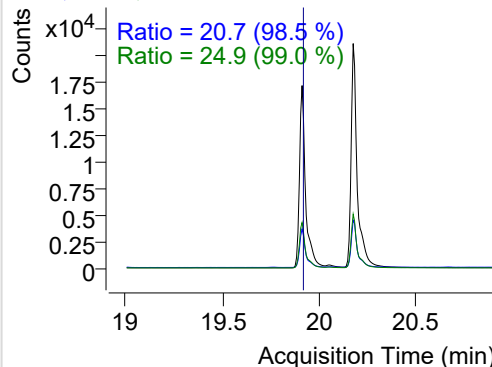
+ SIM (19.447-19.604 min, 23 scans) (**) 2206

**SS-D12-Benzo(e)pyrene**

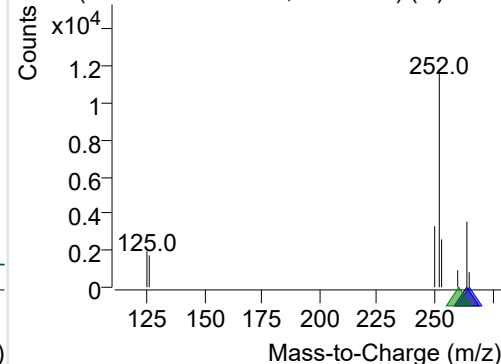
+ Selected Ion (264.0) 220607-PAHs-031.D



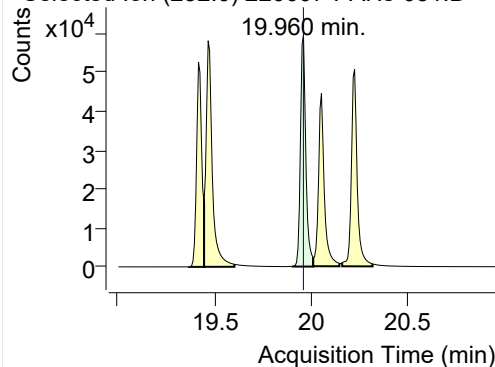
264.0, 265.0, 260.0



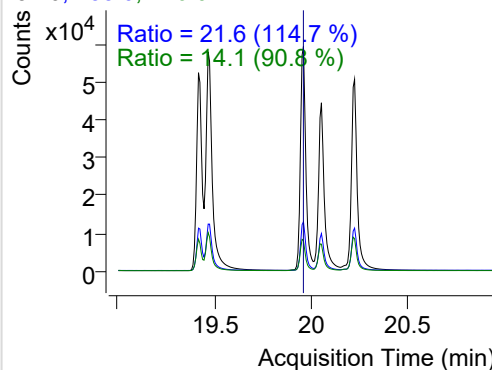
+ SIM (19.860-20.031 min, 25 scans) (**) 2206

**Benzo(e)pyrene**

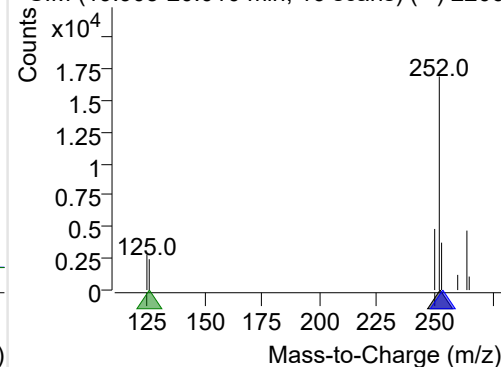
+ Selected Ion (252.0) 220607-PAHs-031.D



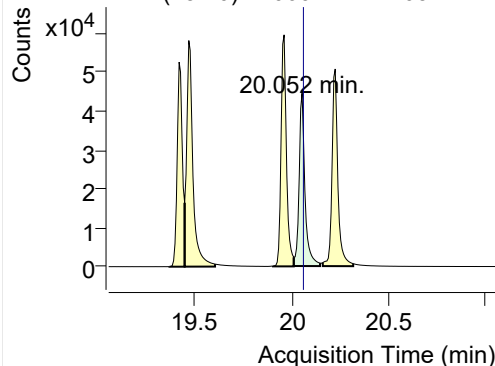
252.0, 253.0, 126.0



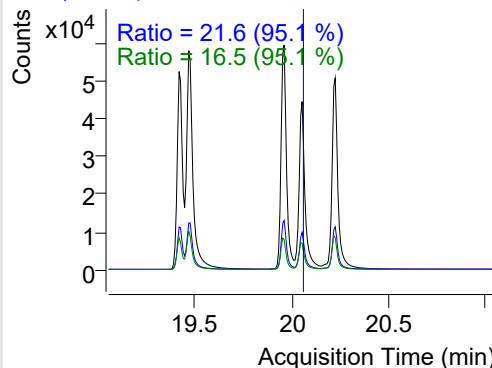
+ SIM (19.903-20.010 min, 16 scans) (**) 2206

**Benzo(a)pyrene**

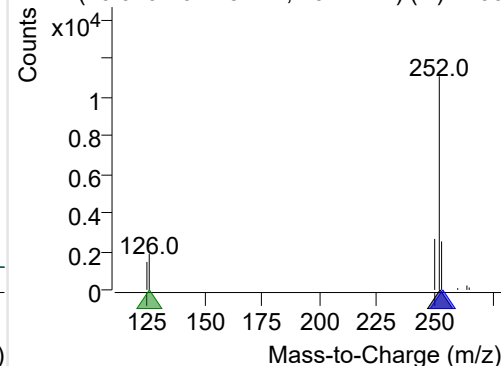
+ Selected Ion (252.0) 220607-PAHs-031.D



252.0, 253.0, 126.0

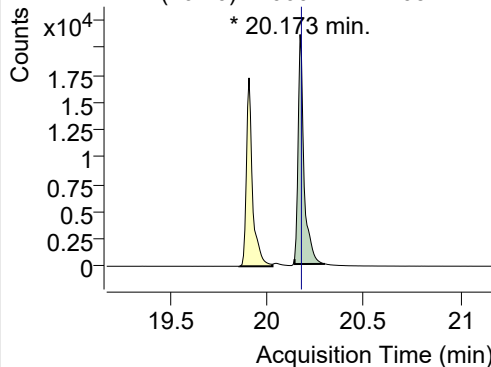


+ SIM (20.010-20.145 min, 20 scans) (**) 2206

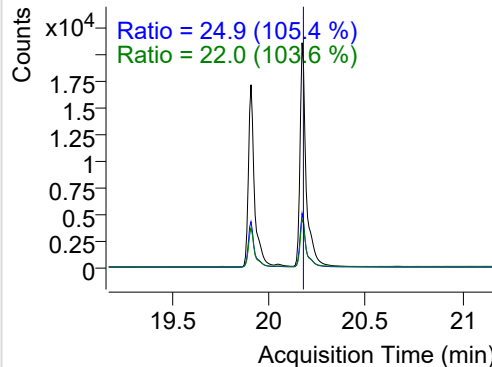


IS-D12-Perylene

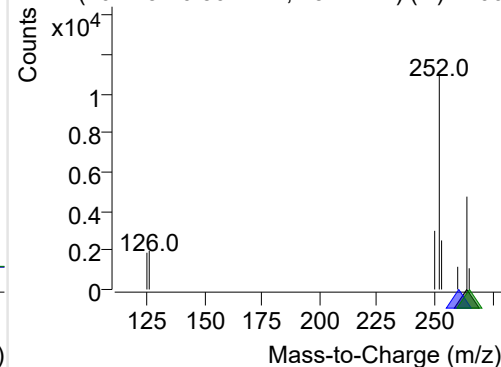
+ Selected Ion (264.0) 220607-PAHs-031.D



264.0, 260.0, 265.0

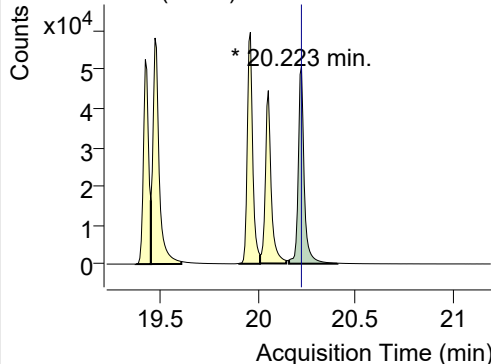


+ SIM (20.145-20.302 min, 23 scans) (**) 2206

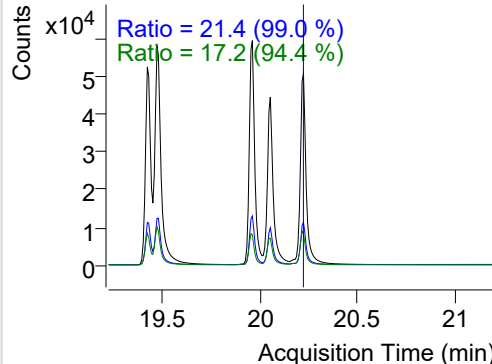


Perylene

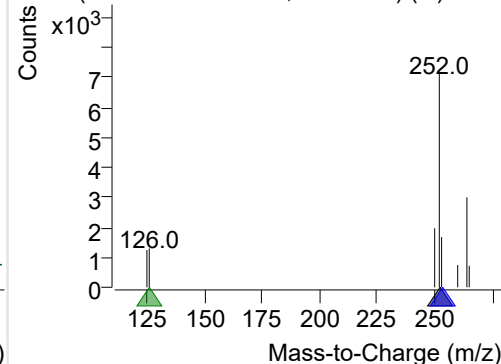
+ Selected Ion (252.0) 220607-PAHs-031.D



252.0, 253.0, 126.0

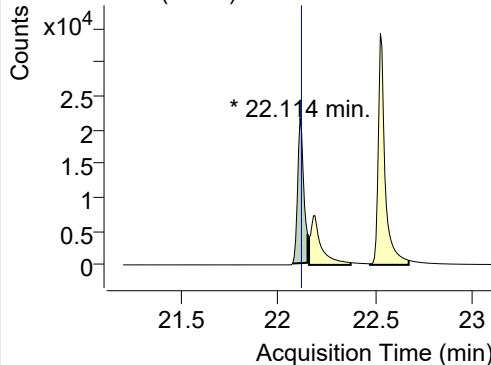


+ SIM (20.159-20.408 min, 36 scans) (**) 2206

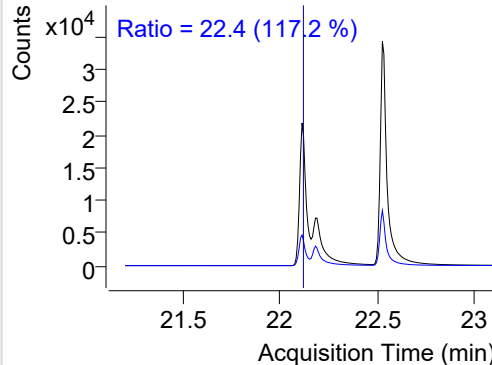


Indeno(1,2,3-c,d)pyrene

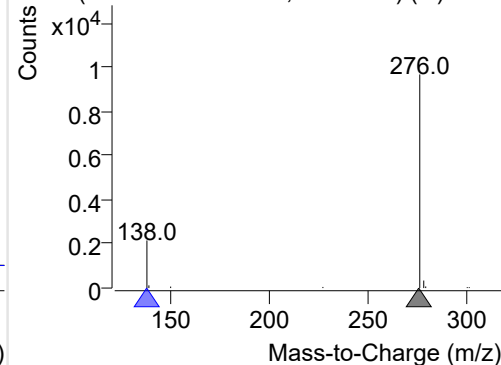
+ Selected Ion (276.0) 220607-PAHs-031.D



276.0, 138.0

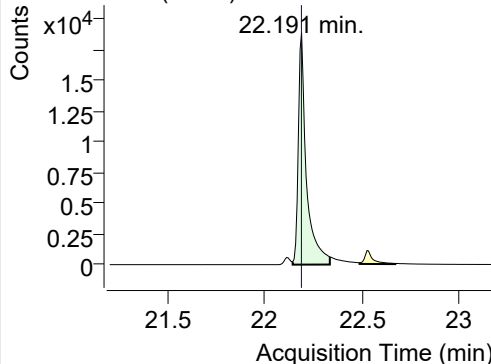


+ SIM (22.076-22.152 min, 11 scans) (**) 2206

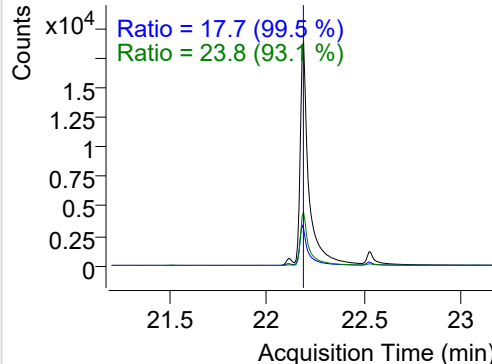


Dibenz(a,h)anthracene

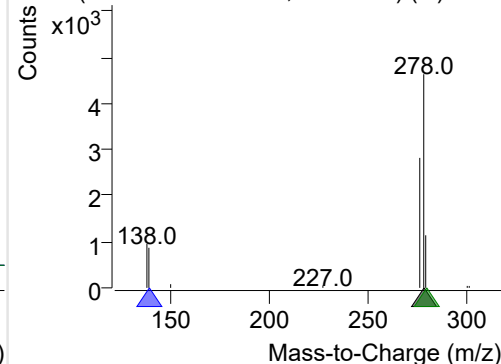
+ Selected Ion (278.0) 220607-PAHs-031.D



278.0, 139.0, 279.0

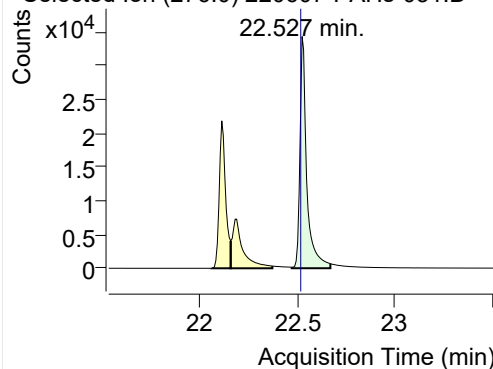


+ SIM (22.145-22.336 min, 26 scans) (**) 2206

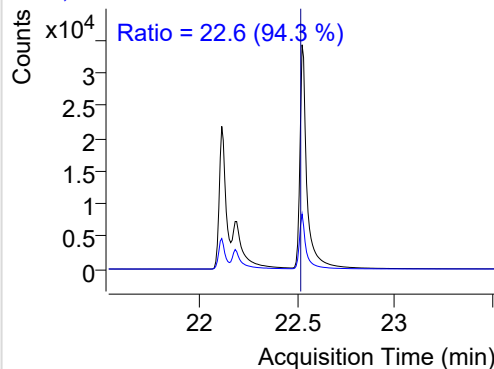


Benzo(g,h,i)perylene

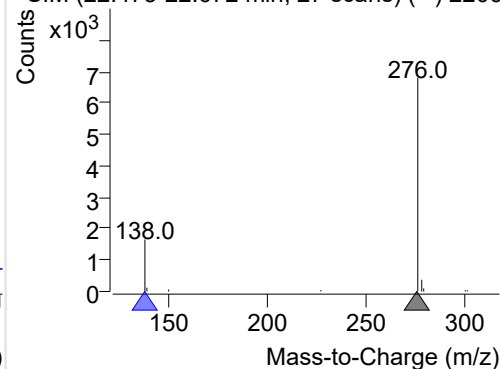
+ Selected Ion (276.0) 220607-PAHs-031.D



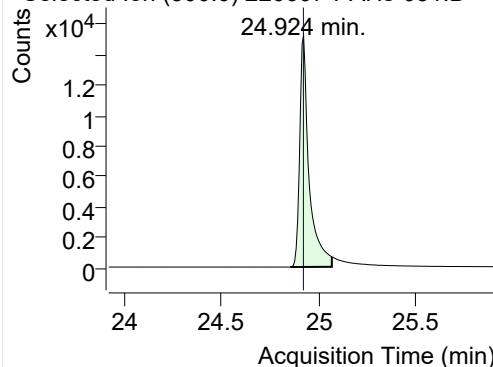
276.0, 138.0



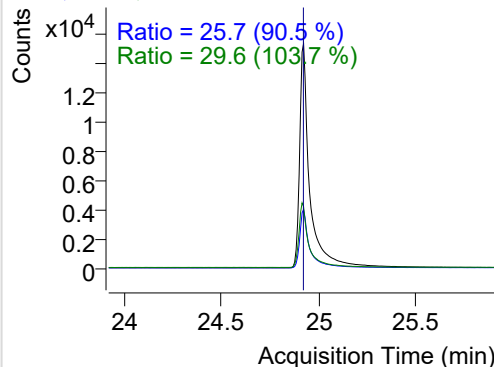
+ SIM (22.473-22.672 min, 27 scans) (**) 2206

**Coronene**

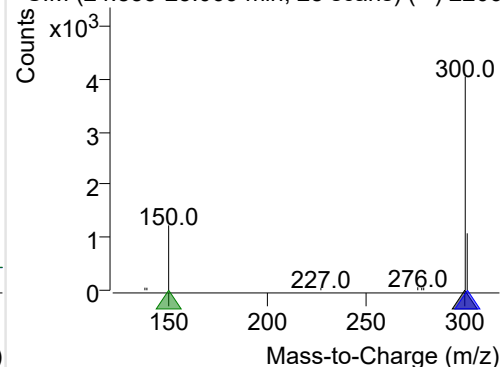
+ Selected Ion (300.0) 220607-PAHs-031.D



300.0, 301.0, 150.0



+ SIM (24.855-25.069 min, 28 scans) (**) 2206



Quantitative Analysis Sample Based Report

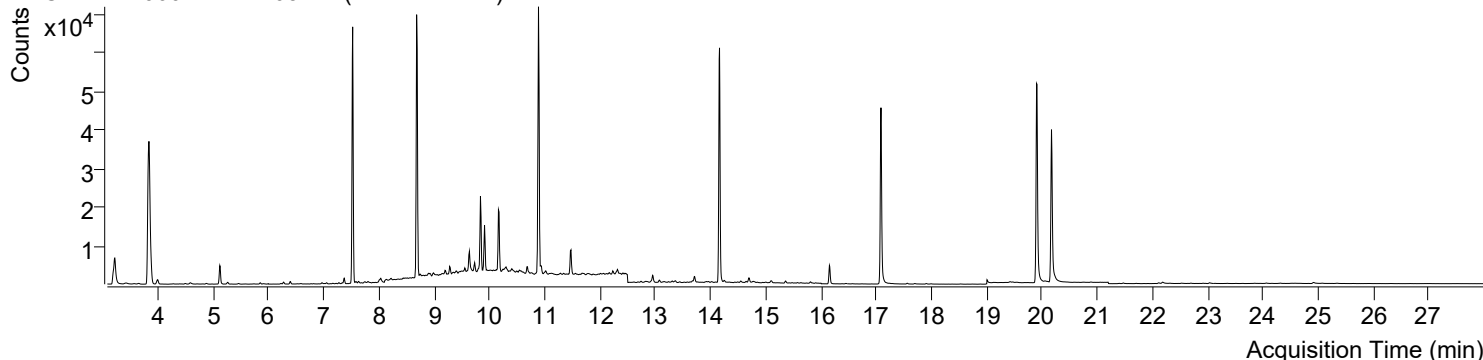


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 3:06:00	Data File	220607-PAHs-034.D
Type	Sample	Name	Method blank
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

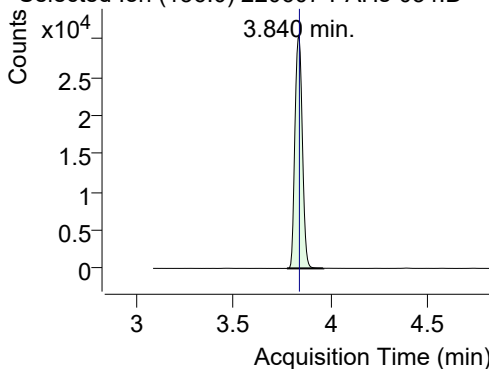
+ TIC SIM 220607-PAHs-034.D (Method blank)



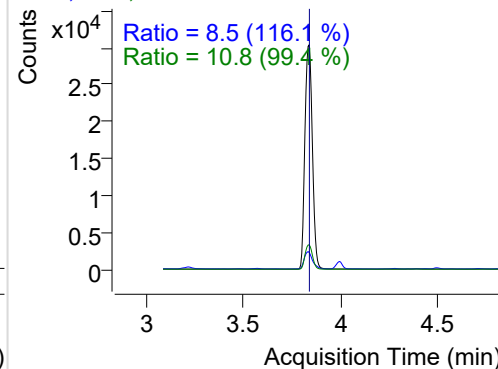
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.840	136.0	80860	30329.70	ND ng/ml	10.8
Naphthalene	3.867	128.0	9281	3511.27	ND ng/ml	13.3
Acenaphthylene	7.165	152.0	101	72.51	ND ng/ml	21.1
IS-D10-Acenaphthene	7.526	164.0	46302	31878.58	ND ng/ml	95.0
Acenaphthene	7.591	154.0	232	157.31	ND ng/ml	109.7
LSS-D10-Fluorene	8.684	176.0	48909	29857.76	ND ng/ml	92.0
Fluorene	8.747	166.0	325	264.28	ND ng/ml	85.5
IS-D10-Phenanthrene	10.889	188.0	84478	53989.98	ND ng/ml	15.0
Phenanthrene	10.942	178.0	1679	1177.62	ND ng/ml	21.6
Anthracene	11.026	178.0	353	204.43	ND ng/ml	23.1
Fluoranthene	13.710	202.0	720	457.00	ND ng/ml	62.1
LSS-D10-Pyrene	14.165	212.0	70615	44384.04	ND ng/ml	19.5
Pyrene	14.203	202.0	652	343.08	ND ng/ml	53.3
Benz(a)anthracene	17.054	228.0	110	73.51	ND ng/ml	51.7
IS-D12-Chrysene	17.087	240.0	59575	34051.78	ND ng/ml	18.9
Chrysene	17.141	228.0	252	83.14	ND ng/ml	28.4
Benzo(b)fluoranthene	19.426	252.0	114	56.90	ND ng/ml	73.3
Benzo(k)fluoranthene	19.426	252.0	114	56.90	ND ng/ml	73.3
SS-D12-Benzo(e)pyrene	19.903	264.0	69009	34872.54	ND ng/ml	24.2
Benzo(e)pyrene	19.953	252.0	118	48.90	ND ng/ml	
Benzo(a)pyrene	20.052	252.0	200	67.90	ND ng/ml	
IS-D12-Perylene	20.173	264.0	52819	26877.18	ND ng/ml	23.7
Perylene	20.216	252.0	198	59.90	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	22.114	276.0	281	118.70	ND ng/ml	30.8
Dibenz(a,h)anthracene	22.183	278.0	542	184.22	ND ng/ml	21.9
Benzo(g,h,i)perylene	22.527	276.0	200	64.99	ND ng/ml	23.3
Coronene	24.916	300.0	794	178.48	ND ng/ml	23.6

IS-D8-Naphthalene

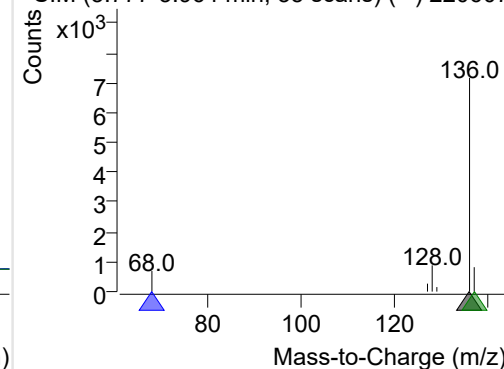
+ Selected Ion (136.0) 220607-PAHs-034.D



136.0, 68.0, 137.0

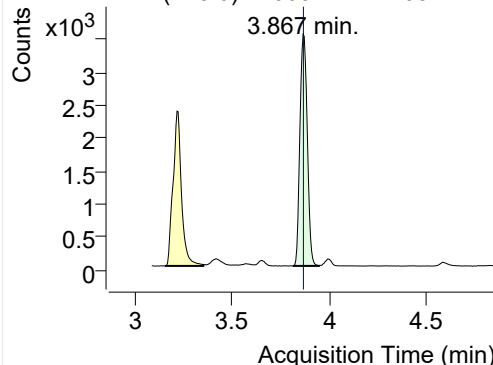


+ SIM (3.777-3.964 min, 35 scans) (**) 220607

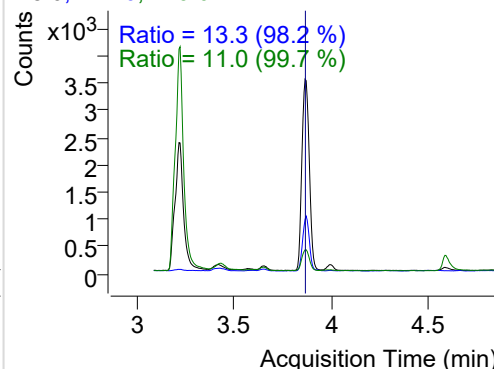


Naphthalene

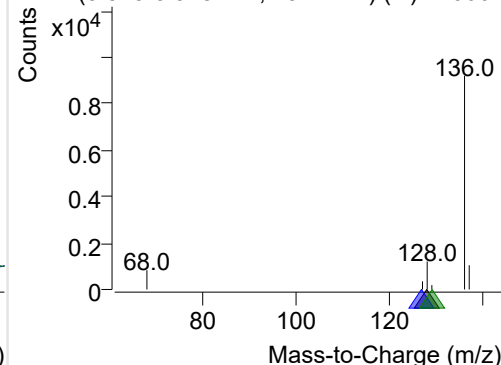
+ Selected Ion (128.0) 220607-PAHs-034.D



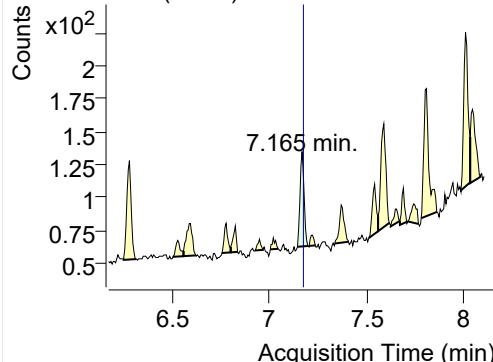
128.0, 127.0, 129.0



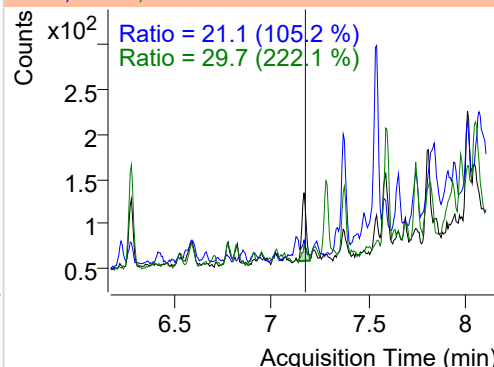
+ SIM (3.813-3.948 min, 25 scans) (**) 220607

**Acenaphthylene**

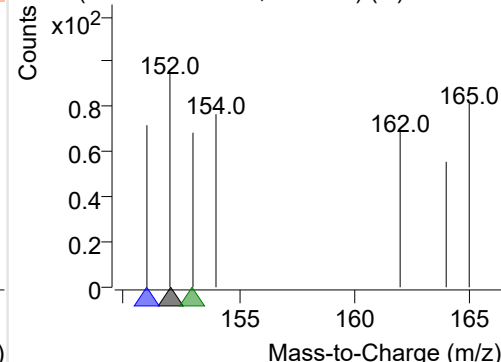
+ Selected Ion (152.0) 220607-PAHs-034.D



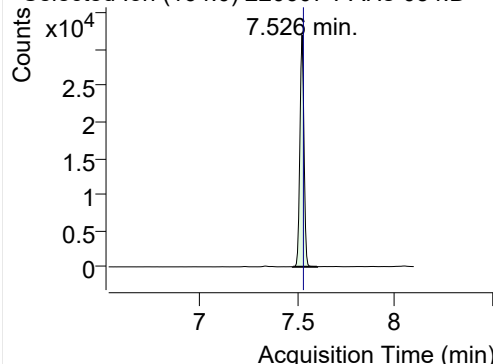
152.0, 151.0, 153.0



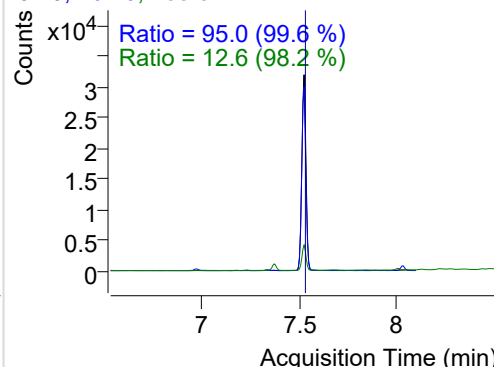
+ SIM (7.142-7.196 min, 9 scans) (**) 220607-I

**IS-D10-Acenaphthene**

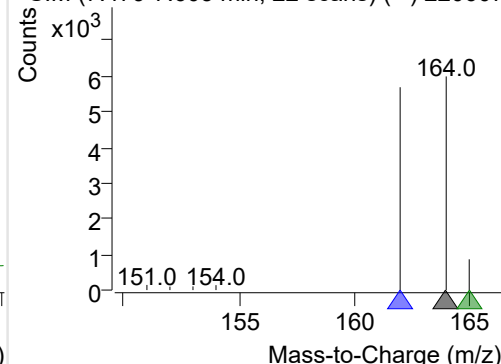
+ Selected Ion (164.0) 220607-PAHs-034.D



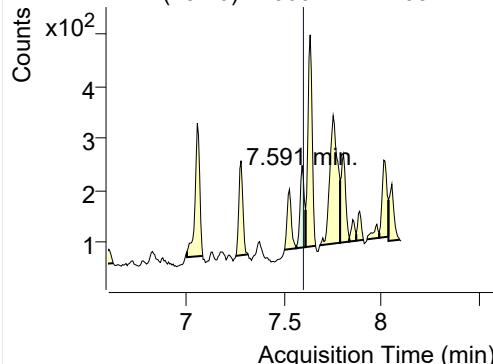
164.0, 162.0, 165.0



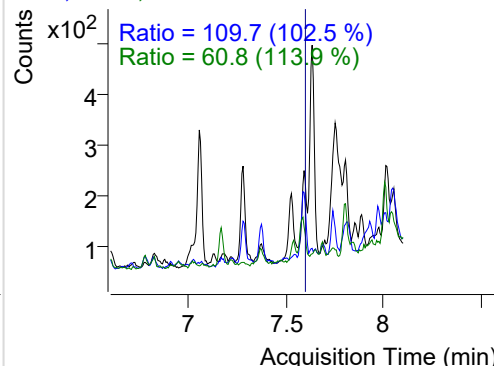
+ SIM (7.479-7.603 min, 22 scans) (**) 220607

**Acenaphthene**

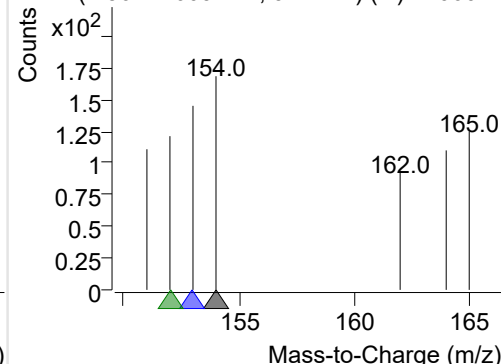
+ Selected Ion (154.0) 220607-PAHs-034.D



154.0, 153.0, 152.0

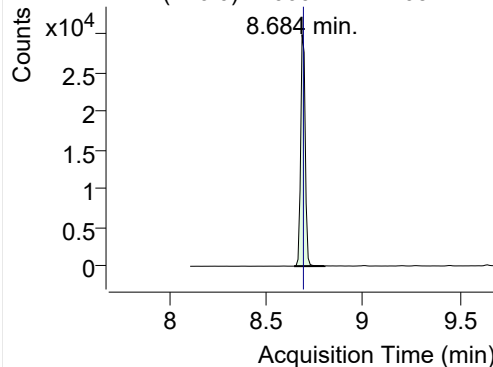


+ SIM (7.562-7.609 min, 9 scans) (**) 220607-I

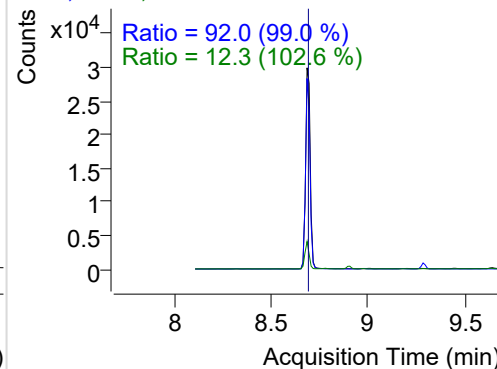


LSS-D10-Fluorene

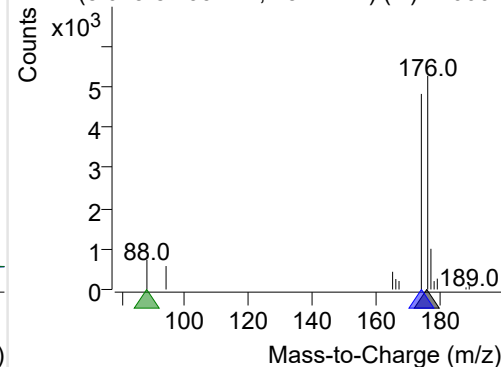
+ Selected Ion (176.0) 220607-PAHs-034.D



176.0, 174.0, 88.0

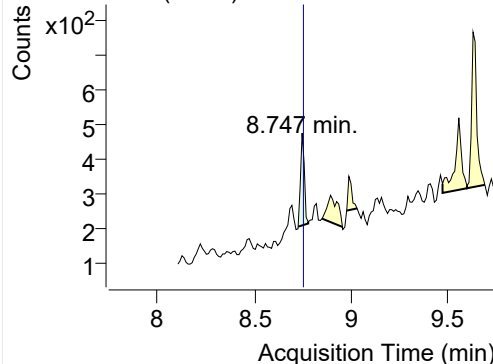


+ SIM (8.643-8.799 min, 15 scans) (**) 220607

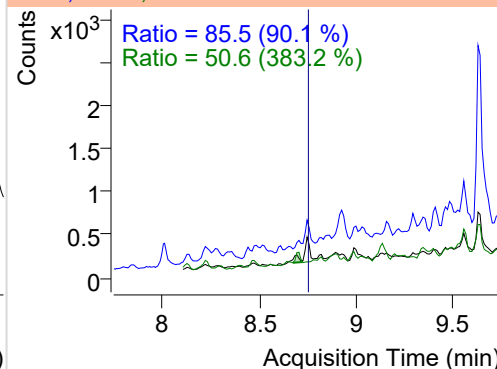


Fluorene

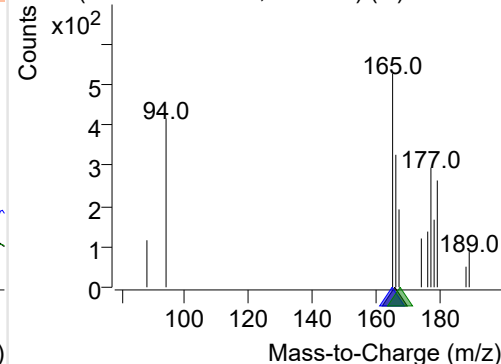
+ Selected Ion (166.0) 220607-PAHs-034.D



166.0, 165.0, 167.0

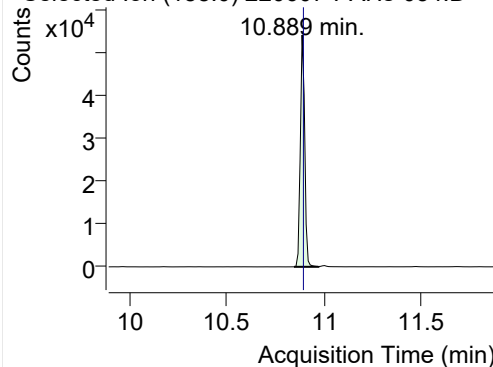


+ SIM (8.726-8.778 min, 5 scans) (**) 220607-I

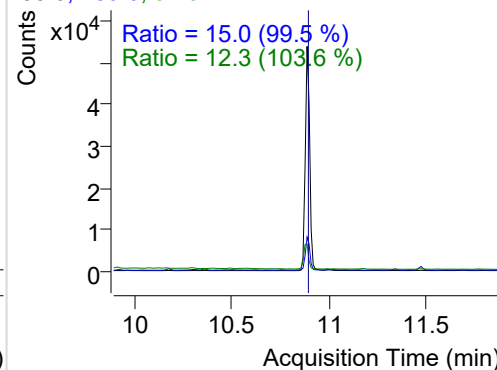


IS-D10-Phenanthrene

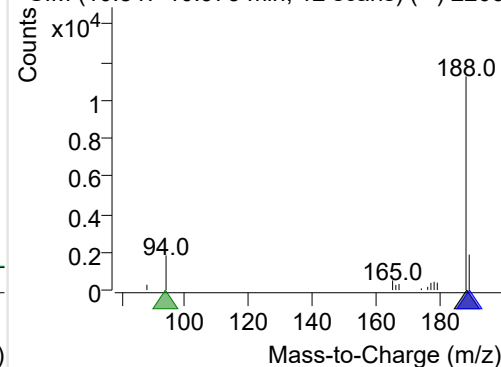
+ Selected Ion (188.0) 220607-PAHs-034.D



188.0, 189.0, 94.0

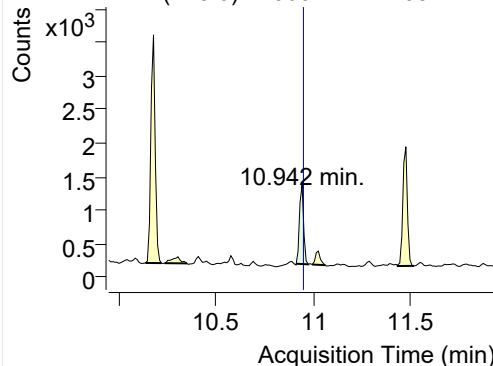


+ SIM (10.847-10.973 min, 12 scans) (**) 2206

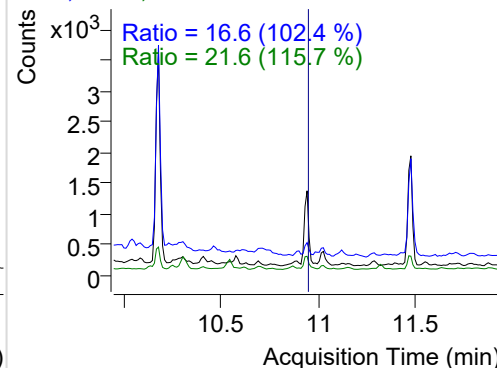


Phenanthrene

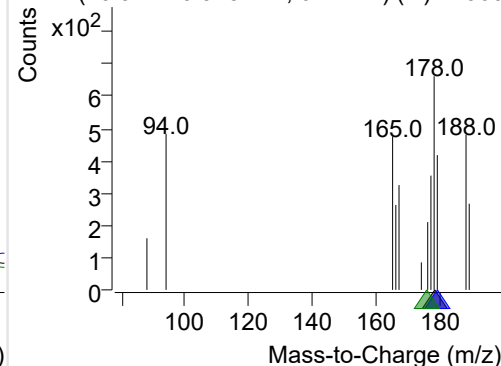
+ Selected Ion (178.0) 220607-PAHs-034.D



178.0, 179.0, 176.0

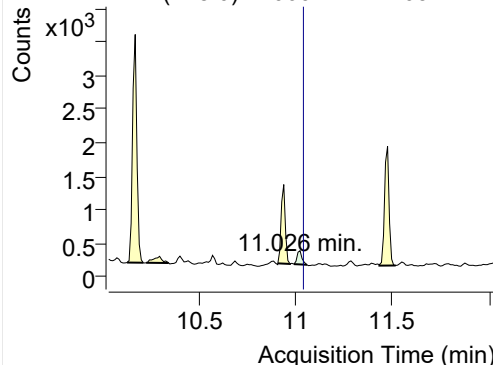


+ SIM (10.911-10.973 min, 6 scans) (**) 22060

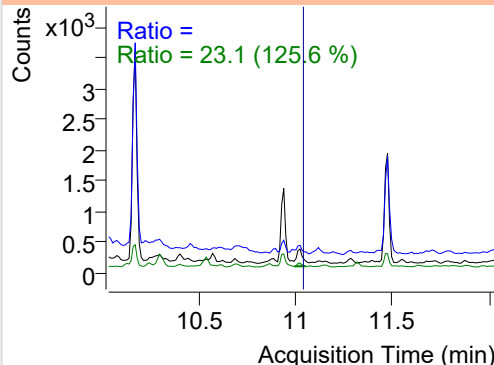


Anthracene

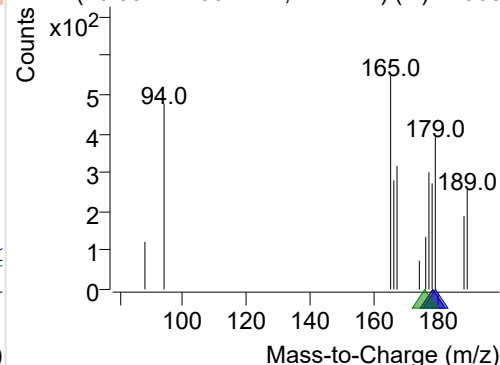
+ Selected Ion (178.0) 220607-PAHs-034.D



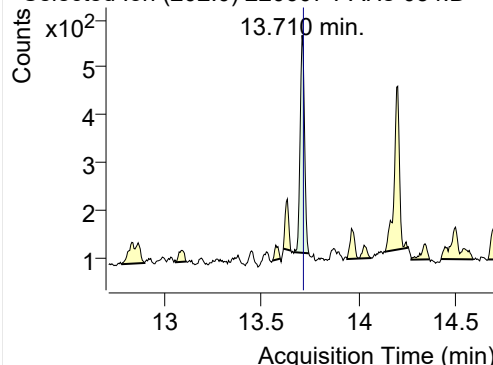
178.0, 179.0, 176.0



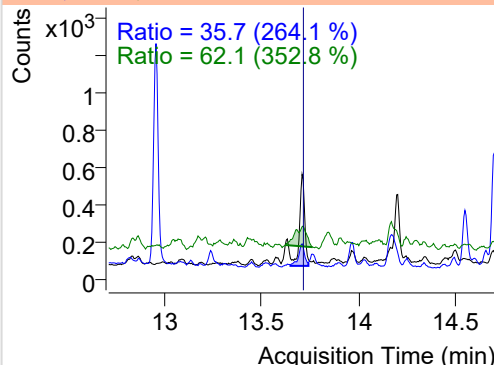
+ SIM (10.994-11.062 min, 7 scans) (**) 22060

**Fluoranthene**

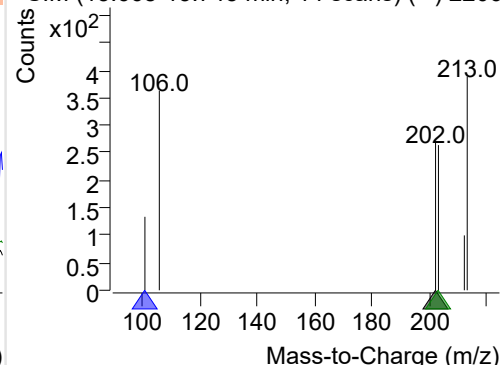
+ Selected Ion (202.0) 220607-PAHs-034.D



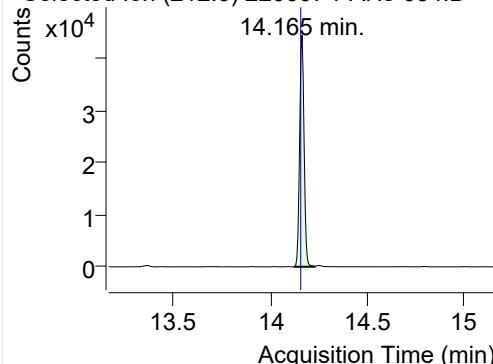
202.0, 101.0, 203.0



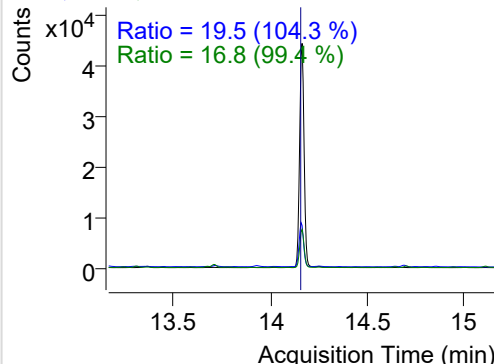
+ SIM (13.668-13.745 min, 14 scans) (**) 2206

**LSS-D10-Pyrene**

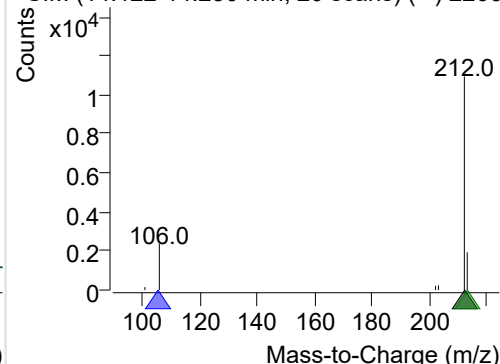
+ Selected Ion (212.0) 220607-PAHs-034.D



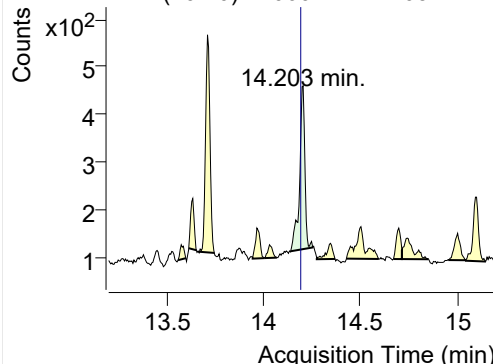
212.0, 106.0, 213.0



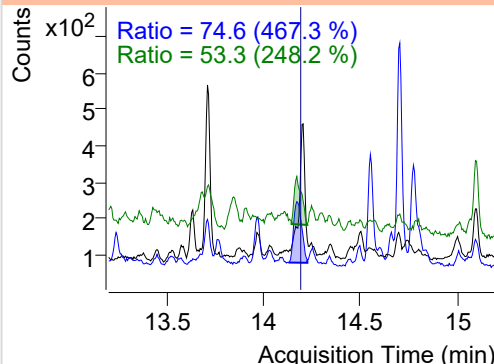
+ SIM (14.122-14.230 min, 20 scans) (**) 2206

**Pyrene**

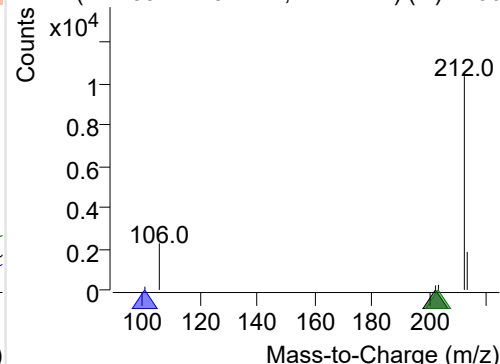
+ Selected Ion (202.0) 220607-PAHs-034.D



202.0, 101.0, 203.0



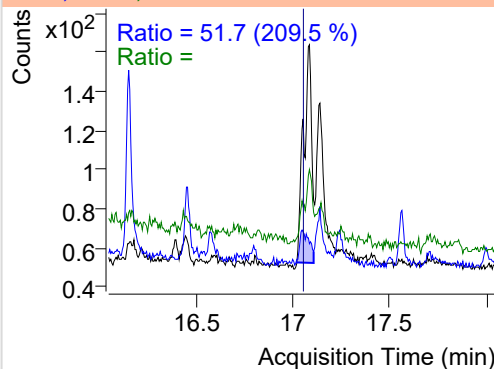
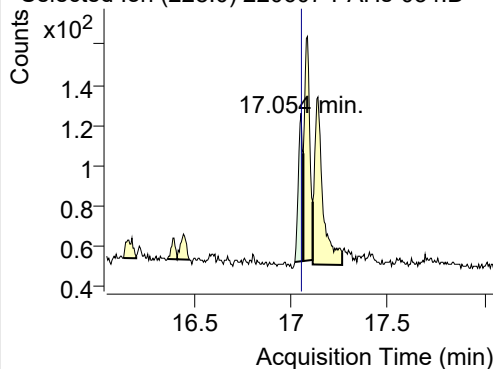
+ SIM (14.139-14.252 min, 21 scans) (**) 2206



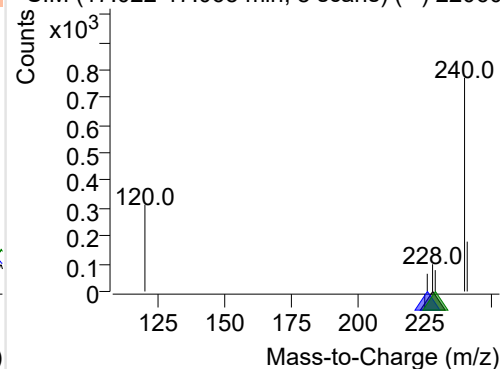
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-034.D

228.0, 226.0, 229.0

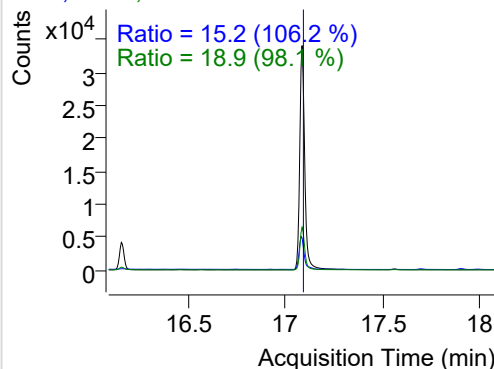
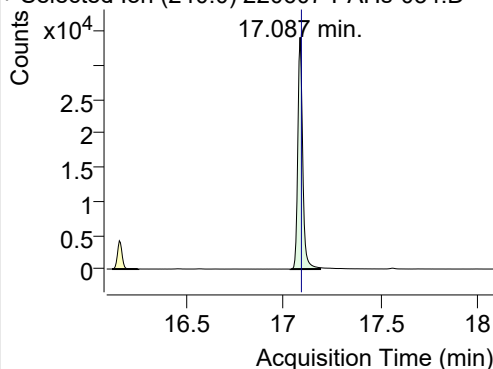


+ SIM (17.022-17.065 min, 8 scans) (**) 22060

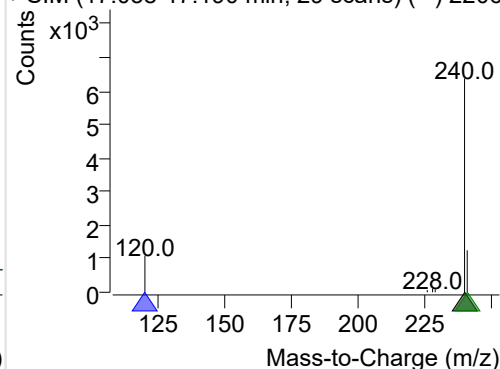
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-034.D

240.0, 120.0, 241.0

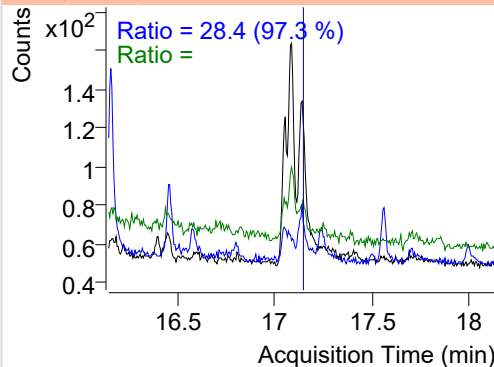
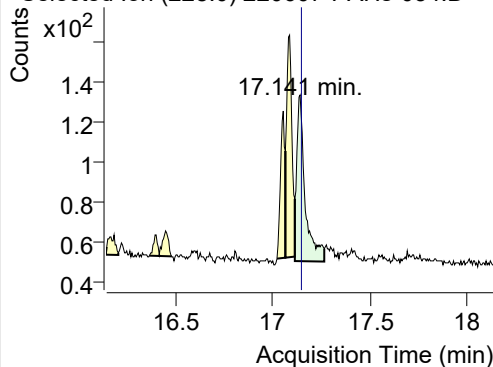


+ SIM (17.038-17.190 min, 29 scans) (**) 2206

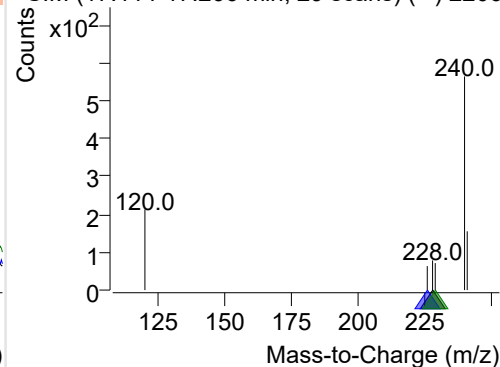
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-034.D

228.0, 226.0, 229.0

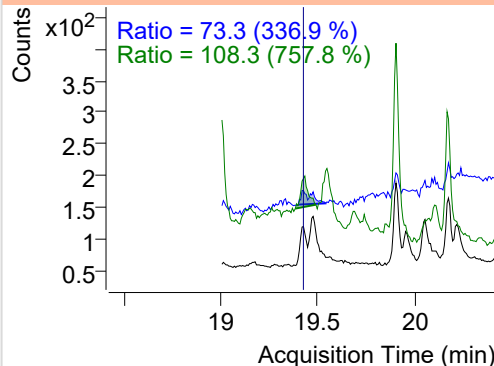
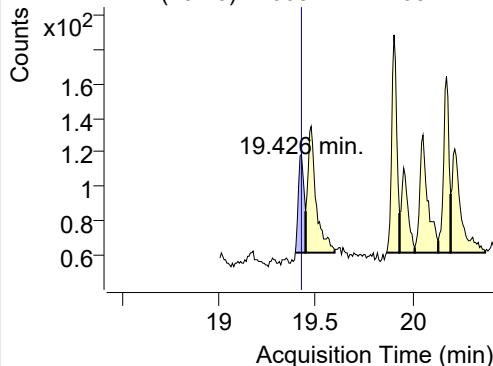


+ SIM (17.114-17.266 min, 29 scans) (**) 2206

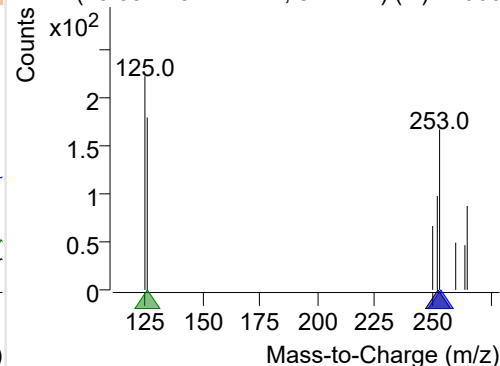
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-034.D

252.0, 253.0, 126.0



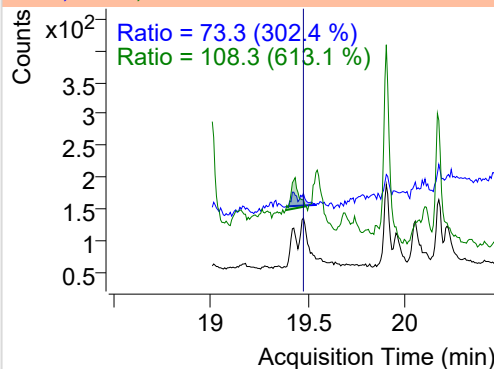
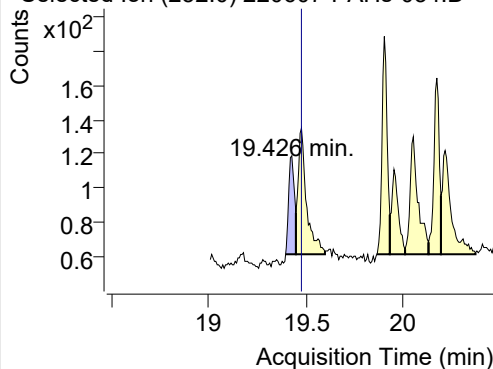
+ SIM (19.394-19.447 min, 8 scans) (**) 22060



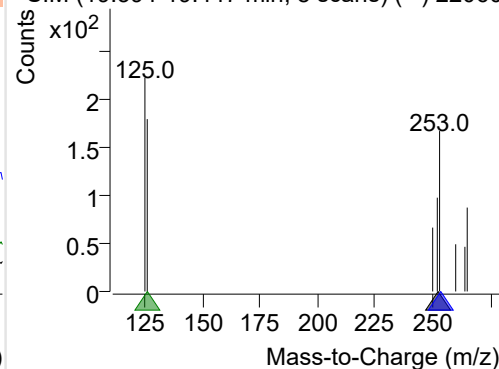
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-034.D

252.0, 253.0, 126.0

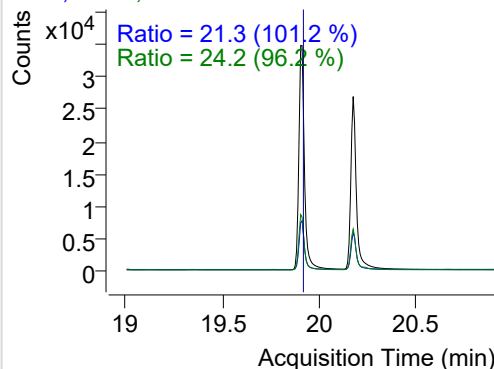
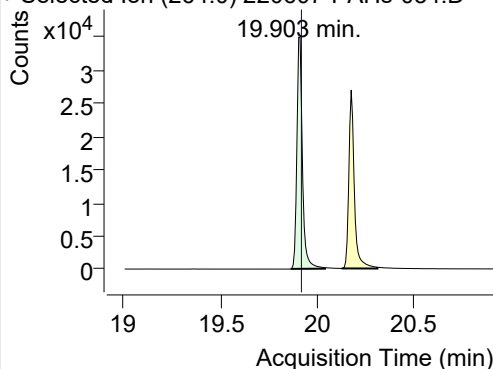


+ SIM (19.394-19.447 min, 8 scans) (**) 22060

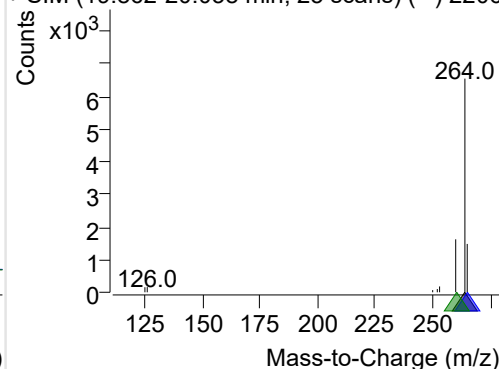
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-034.D

264.0, 265.0, 260.0

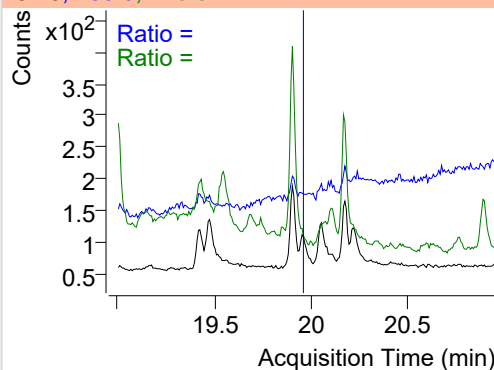
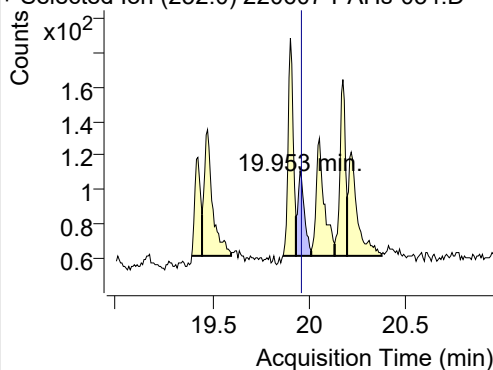


+ SIM (19.862-20.038 min, 25 scans) (**) 2206

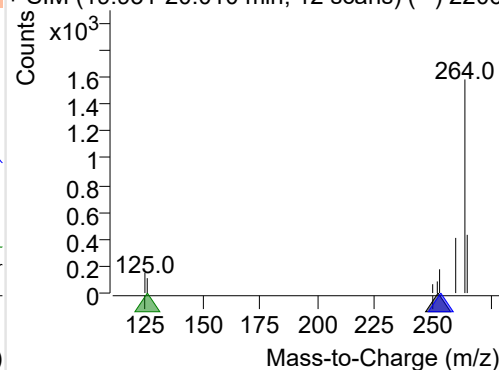
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-034.D

252.0, 253.0, 126.0

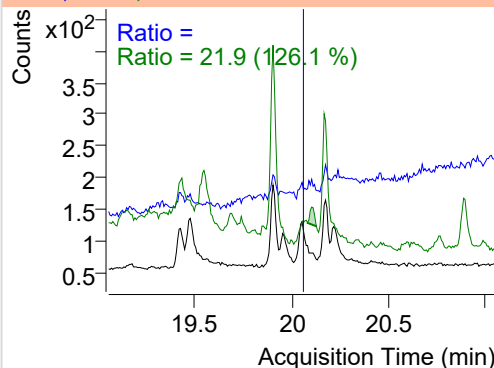
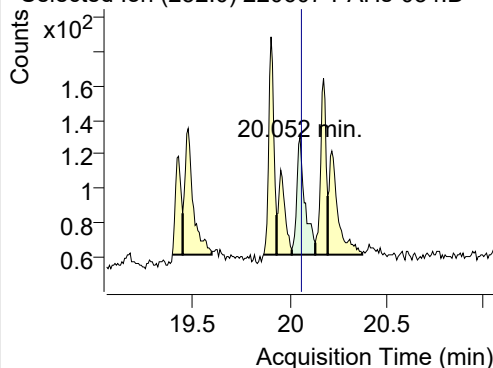


+ SIM (19.931-20.010 min, 12 scans) (**) 2206

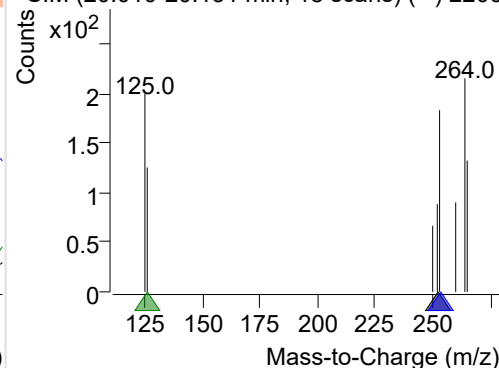
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-034.D

252.0, 253.0, 126.0

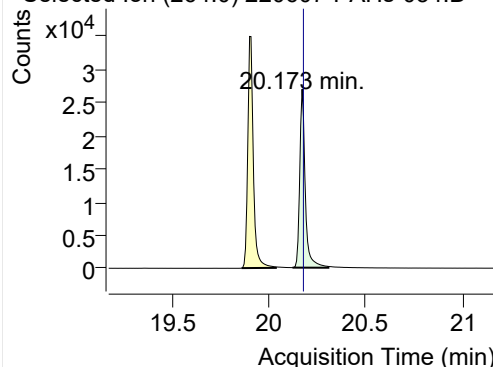


+ SIM (20.010-20.131 min, 18 scans) (**) 2206

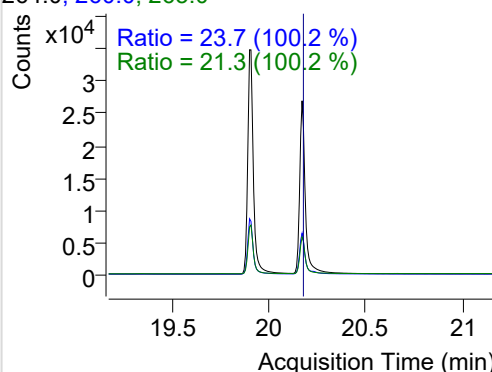


IS-D12-Perylene

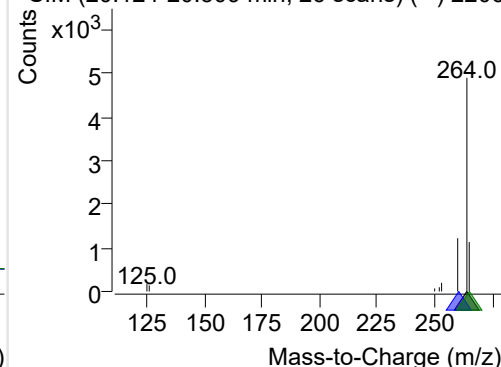
+ Selected Ion (264.0) 220607-PAHs-034.D



264.0, 260.0, 265.0

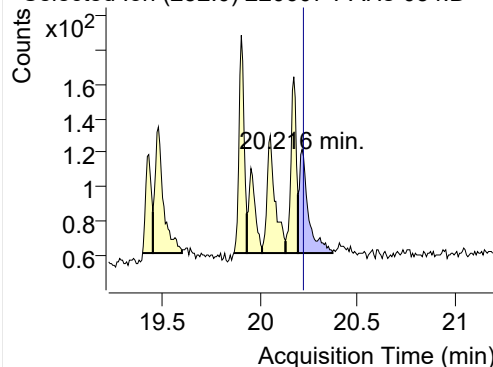


+ SIM (20.124-20.309 min, 26 scans) (**) 2206

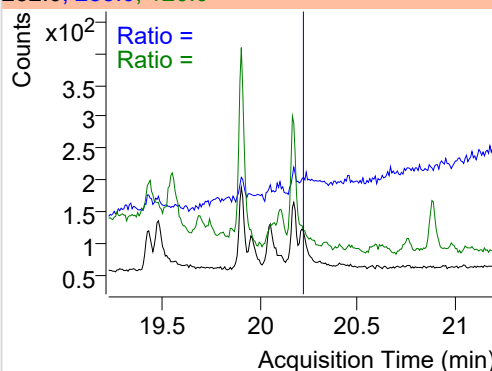


Perylene

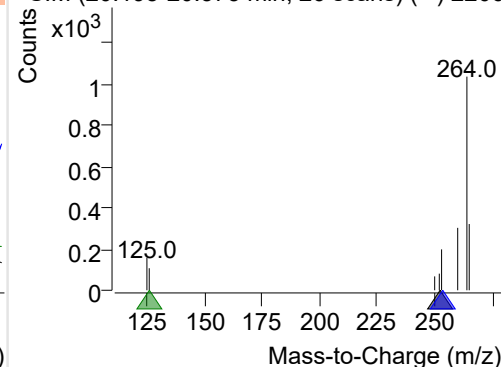
+ Selected Ion (252.0) 220607-PAHs-034.D



252.0, 253.0, 126.0

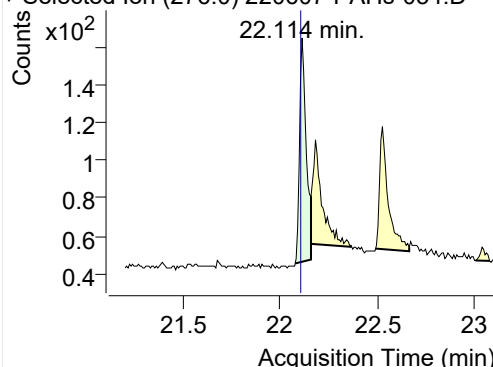


+ SIM (20.195-20.373 min, 26 scans) (**) 2206

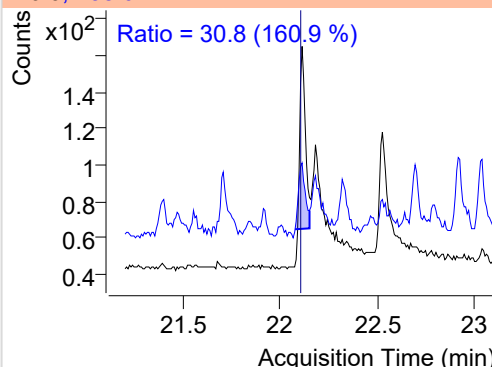


Indeno(1,2,3-c,d)pyrene

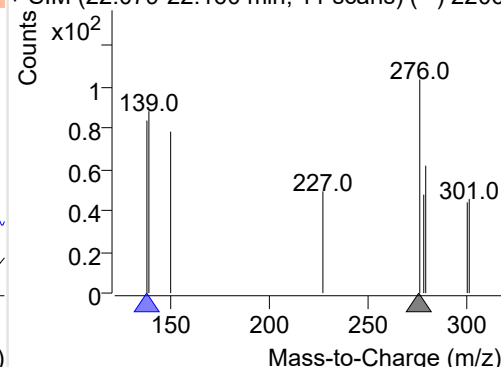
+ Selected Ion (276.0) 220607-PAHs-034.D



276.0, 138.0

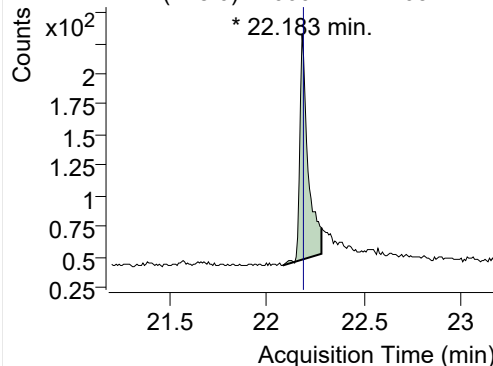


+ SIM (22.079-22.160 min, 11 scans) (**) 2206

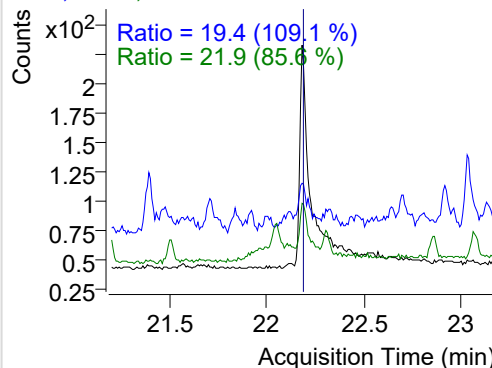


Dibenz(a,h)anthracene

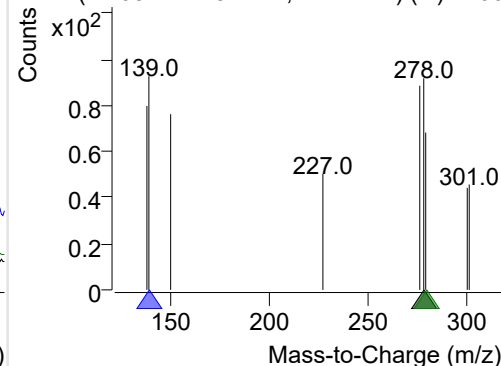
+ Selected Ion (278.0) 220607-PAHs-034.D



278.0, 139.0, 279.0

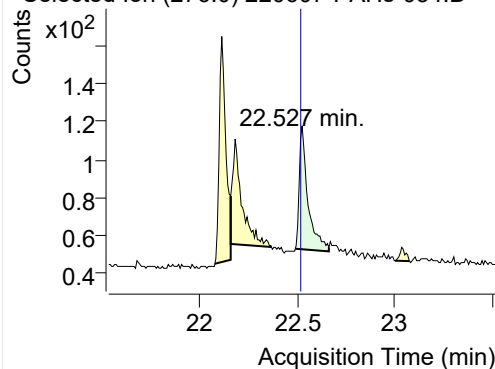


+ SIM (22.084-22.282 min, 27 scans) (**) 2206

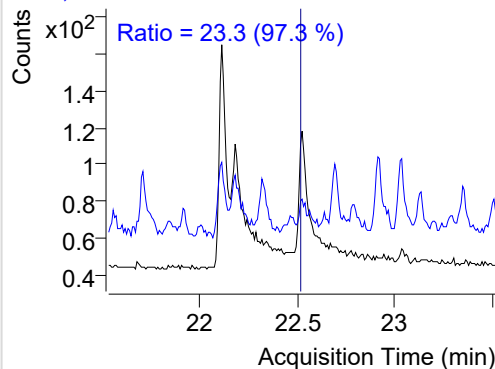


Benzo(g,h,i)perylene

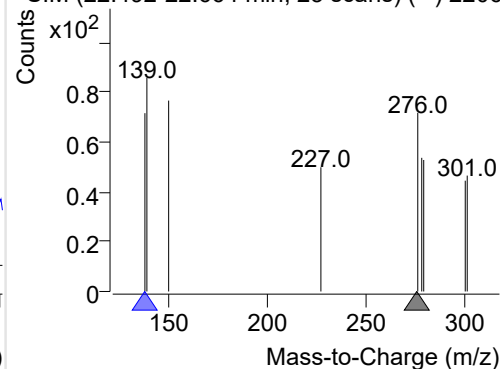
+ Selected Ion (276.0) 220607-PAHs-034.D



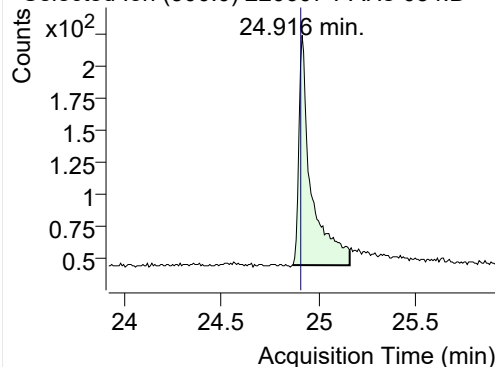
276.0, 138.0



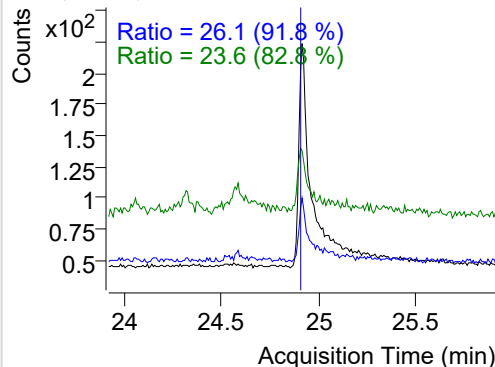
+ SIM (22.492-22.664 min, 23 scans) (**) 2206

**Coronene**

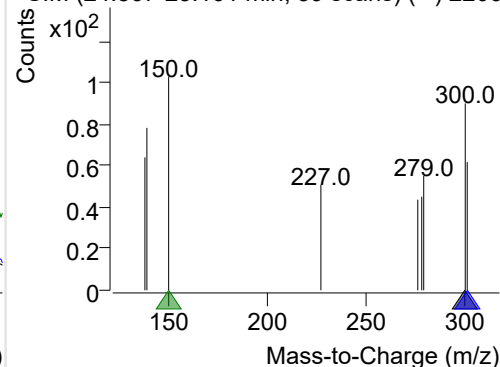
+ Selected Ion (300.0) 220607-PAHs-034.D



300.0, 301.0, 150.0



+ SIM (24.867-25.161 min, 39 scans) (**) 2206



Quantitative Analysis Sample Based Report

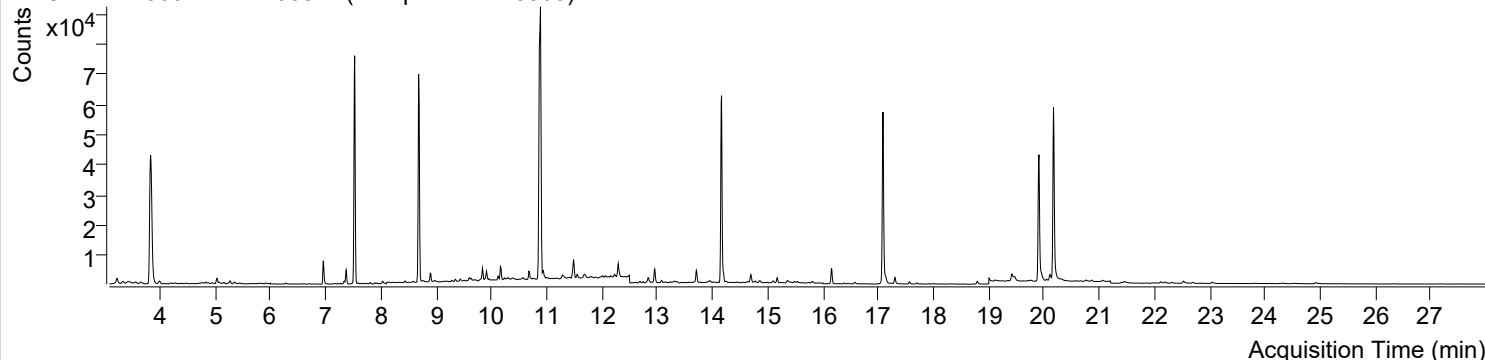


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 3:37:10	Data File	220607-PAHs-035.D
Type	Sample	Name	Sample-PM-220505
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

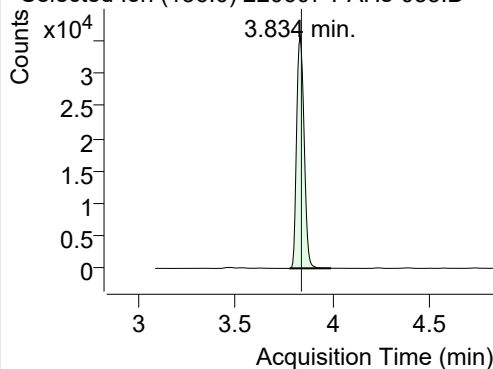
+ TIC SIM 220607-PAHs-035.D (Sample-PM-220505)



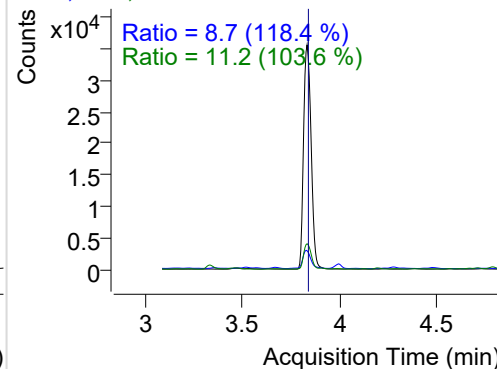
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.834	136.0	95667	35502.93	ND ng/ml	11.2
Naphthalene	3.867	128.0	4892	1805.91	ND ng/ml	15.0
Acenaphthylene	7.165	152.0	104	58.04	ND ng/ml	31.6
IS-D10-Acenaphthene	7.526	164.0	55351	36648.86	ND ng/ml	94.6
Acenaphthene	7.591	154.0	126	91.08	ND ng/ml	88.4
LSS-D10-Fluorene	8.684	176.0	49417	30592.95	ND ng/ml	92.0
Fluorene	8.747	166.0	243	135.42	ND ng/ml	67.4
IS-D10-Phenanthrene	10.889	188.0	97396	65773.09	ND ng/ml	15.0
Phenanthrene	10.942	178.0	2464	1617.39	ND ng/ml	19.3
Anthracene	11.036	178.0	127	78.29	ND ng/ml	45.7
Fluoranthene	13.710	202.0	3607	2241.75	ND ng/ml	19.7
LSS-D10-Pyrene	14.165	212.0	72482	45446.06	ND ng/ml	19.8
Pyrene	14.197	202.0	3248	1993.71	ND ng/ml	19.0
Benz(a)anthracene	17.049	228.0	812	317.02	ND ng/ml	23.4
IS-D12-Chrysene	17.087	240.0	72328	42777.67	ND ng/ml	18.9
Chrysene	17.135	228.0	2274	1014.96	ND ng/ml	27.9
Benzo(b)fluoranthene	19.419	252.0	1770	955.14	ND ng/ml	24.7
Benzo(k)fluoranthene	19.462	252.0	1914	637.00	ND ng/ml	21.6
SS-D12-Benzo(e)pyrene	19.910	264.0	54986	28460.00	ND ng/ml	25.0
Benzo(e)pyrene	19.960	252.0	1970	784.17	ND ng/ml	17.2
Benzo(a)pyrene	20.045	252.0	748	325.56	ND ng/ml	11.5
IS-D12-Perylene	20.173	264.0	74359	39397.50	ND ng/ml	23.1
Perylene	20.216	252.0	265	106.33	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	22.114	276.0	896	366.12	ND ng/ml	20.0
Dibenz(a,h)anthracene	22.183	278.0	662	193.24	ND ng/ml	19.7
Benzo(g,h,i)perylene	22.527	276.0	1543	558.78	ND ng/ml	22.1
Coronene	24.916	300.0	1035	246.81	ND ng/ml	23.8

IS-D8-Naphthalene

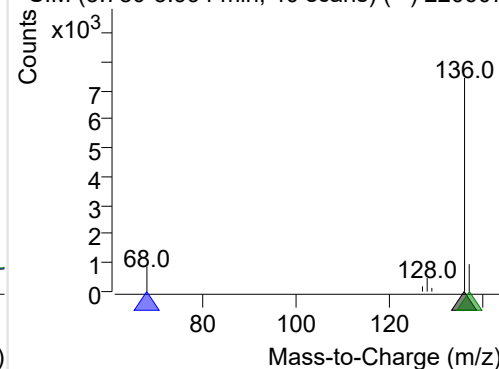
+ Selected Ion (136.0) 220607-PAHs-035.D



136.0, 68.0, 137.0

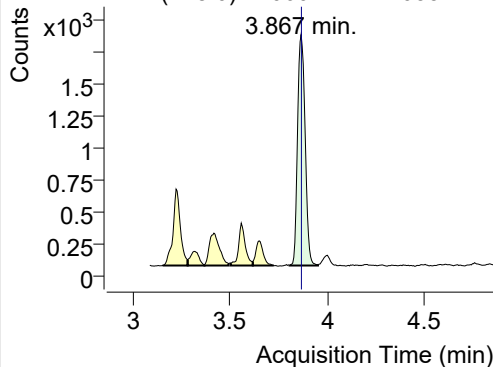


+ SIM (3.780-3.994 min, 40 scans) (**) 220607

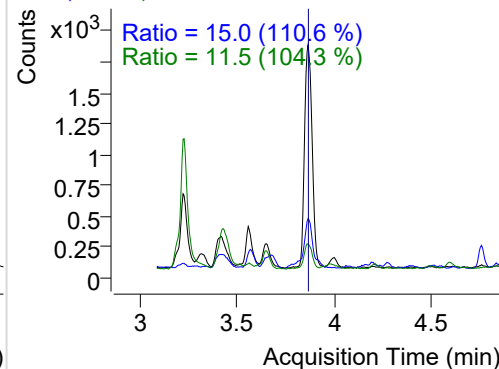


Naphthalene

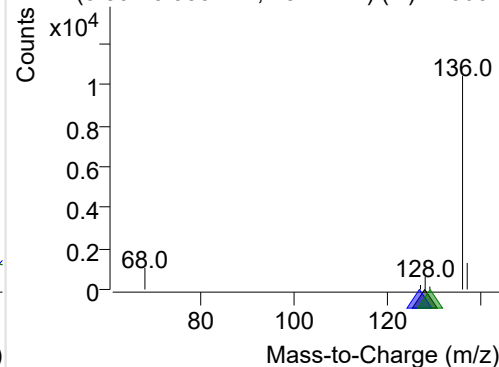
+ Selected Ion (128.0) 220607-PAHs-035.D



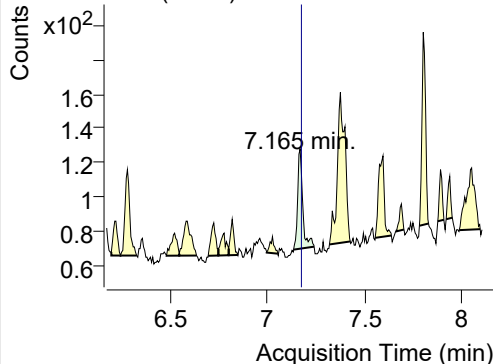
128.0, 127.0, 129.0



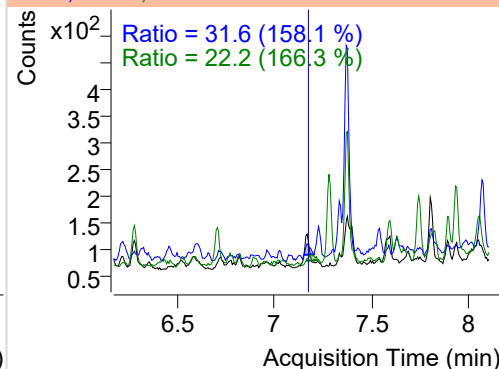
+ SIM (3.807-3.953 min, 28 scans) (**) 220607

**Acenaphthylene**

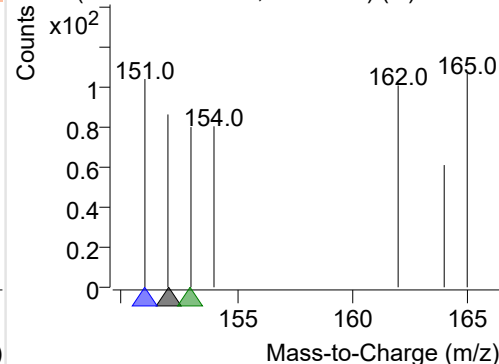
+ Selected Ion (152.0) 220607-PAHs-035.D



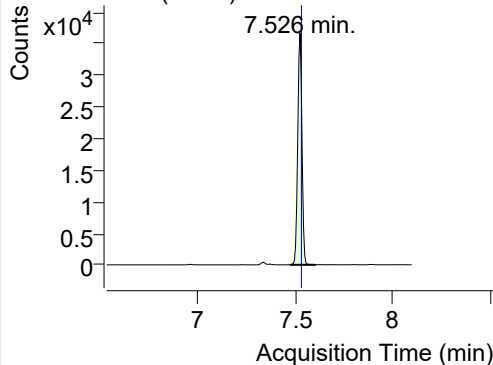
152.0, 151.0, 153.0



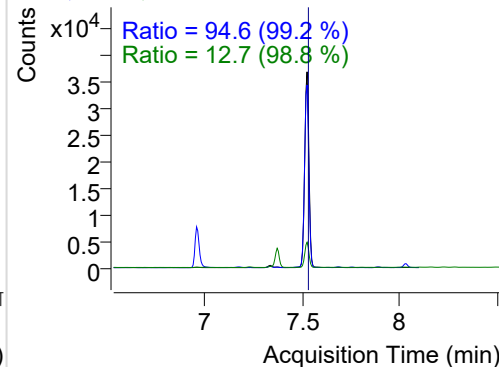
+ SIM (7.132-7.237 min, 18 scans) (**) 220607

**IS-D10-Acenaphthene**

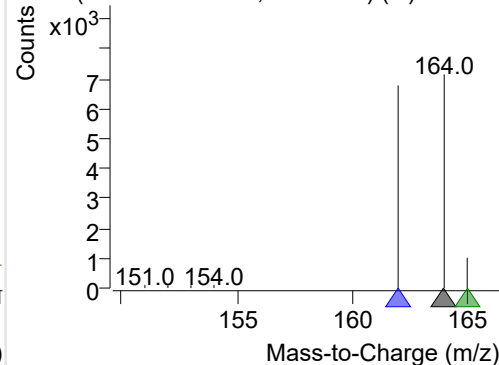
+ Selected Ion (164.0) 220607-PAHs-035.D



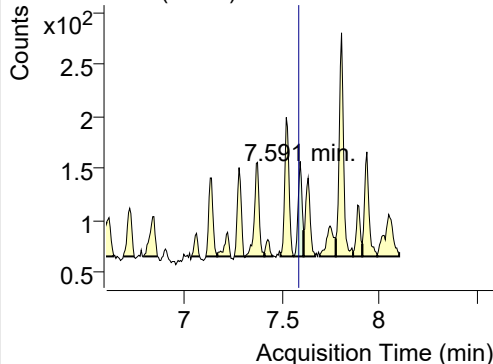
164.0, 162.0, 165.0



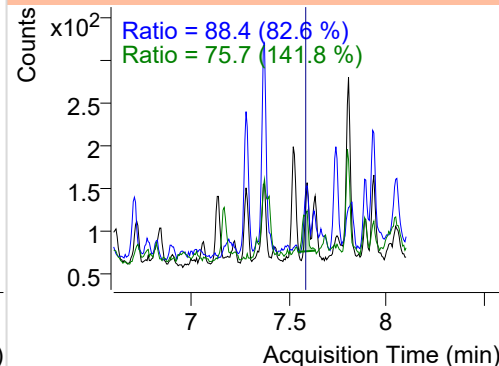
+ SIM (7.479-7.603 min, 22 scans) (**) 220607

**Acenaphthene**

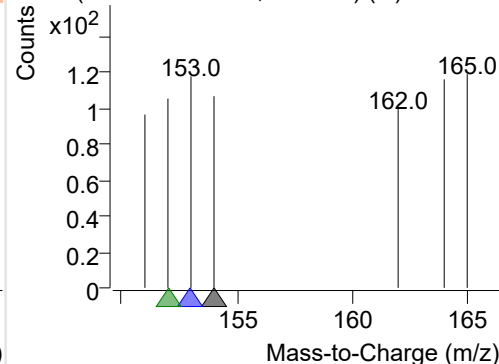
+ Selected Ion (154.0) 220607-PAHs-035.D



154.0, 153.0, 152.0

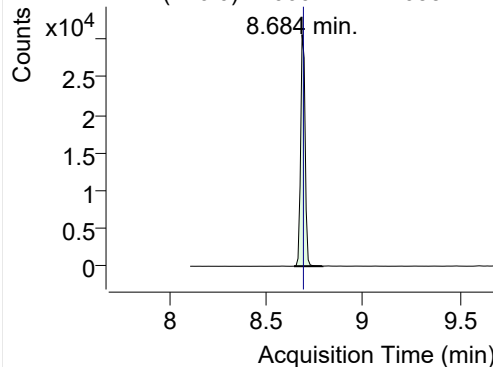


+ SIM (7.562-7.609 min, 9 scans) (**) 220607-I

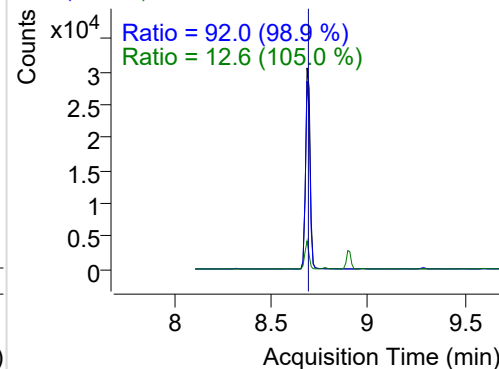


LSS-D10-Fluorene

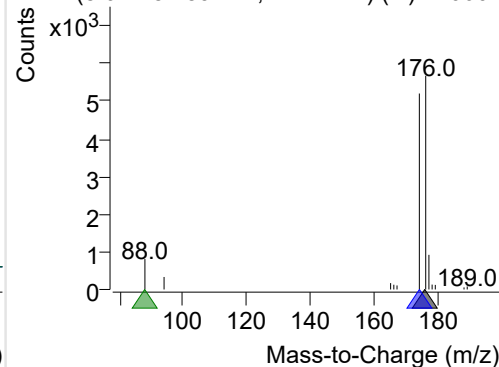
+ Selected Ion (176.0) 220607-PAHs-035.D



176.0, 174.0, 88.0

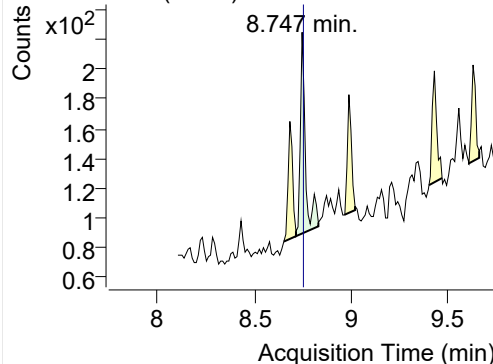


+ SIM (8.642-8.789 min, 14 scans) (**) 220607

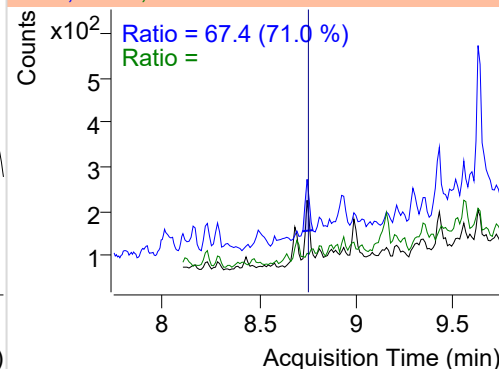


Fluorene

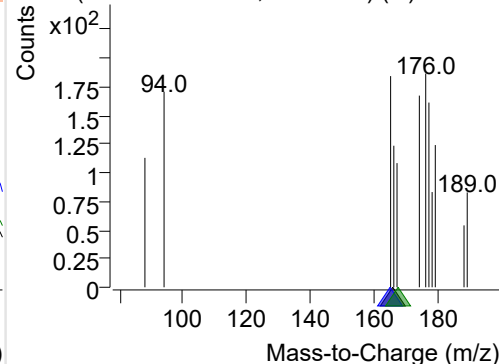
+ Selected Ion (166.0) 220607-PAHs-035.D



166.0, 165.0, 167.0

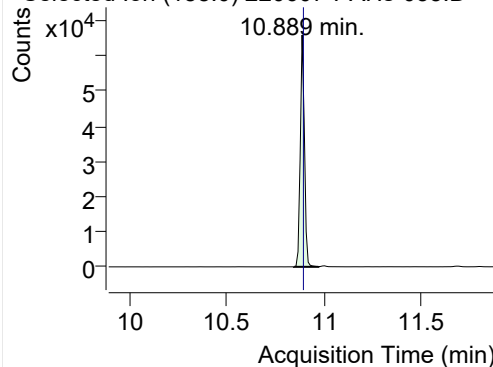


+ SIM (8.715-8.831 min, 12 scans) (**) 220607

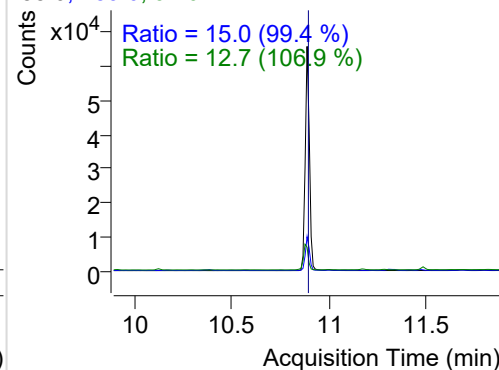


IS-D10-Phenanthrene

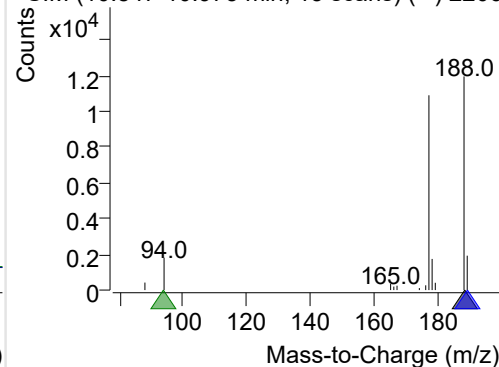
+ Selected Ion (188.0) 220607-PAHs-035.D



188.0, 189.0, 94.0

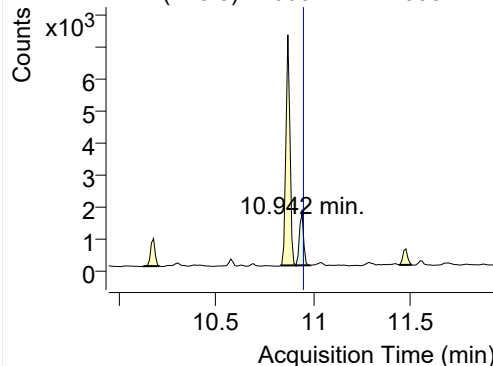


+ SIM (10.847-10.973 min, 13 scans) (**) 2206

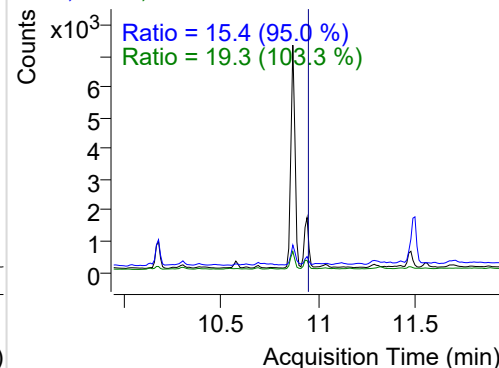


Phenanthrene

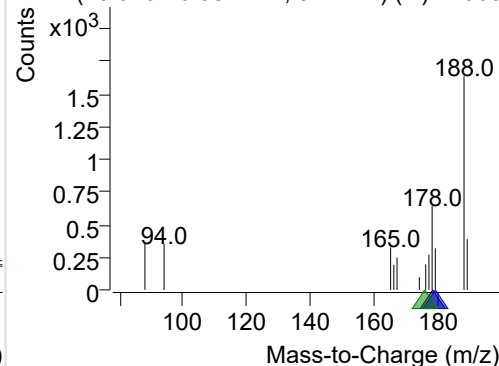
+ Selected Ion (178.0) 220607-PAHs-035.D



178.0, 179.0, 176.0

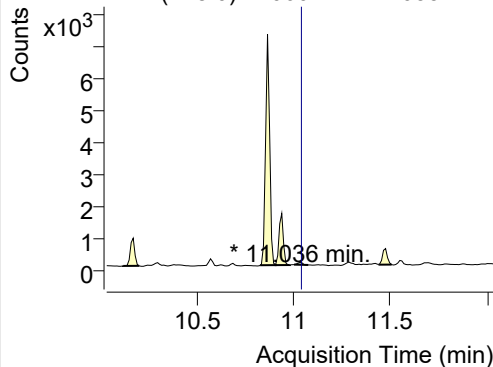


+ SIM (10.910-10.984 min, 8 scans) (**) 22060

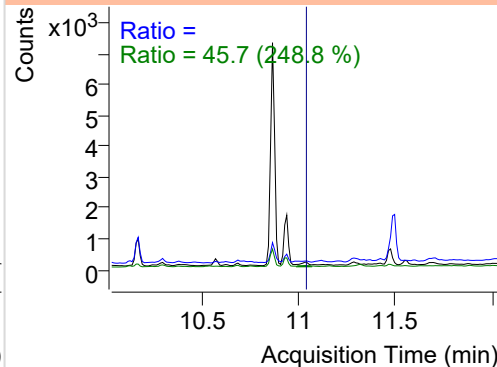


Anthracene

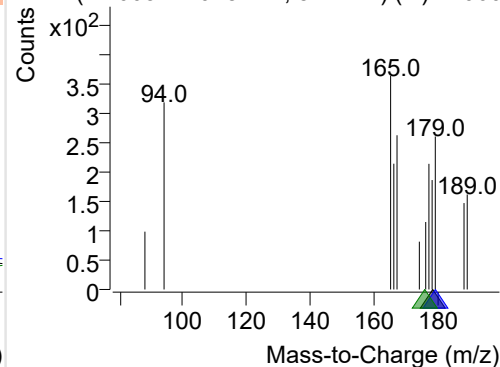
+ Selected Ion (178.0) 220607-PAHs-035.D



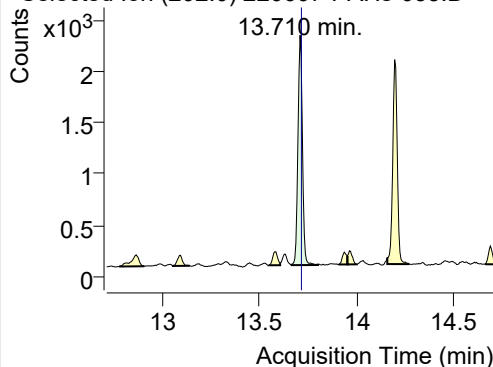
178.0, 179.0, 176.0



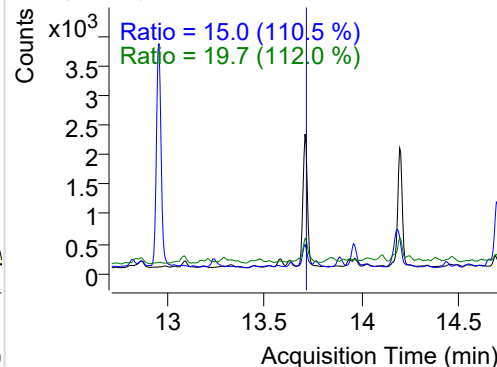
+ SIM (11.005-11.078 min, 8 scans) (**) 22060

**Fluoranthene**

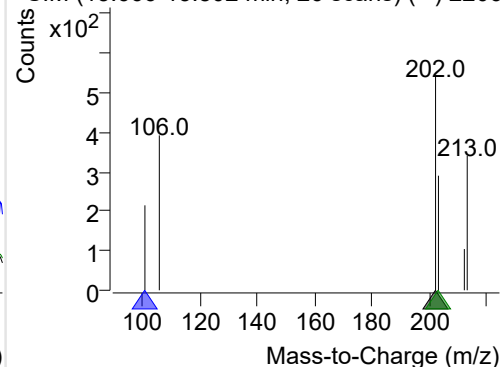
+ Selected Ion (202.0) 220607-PAHs-035.D



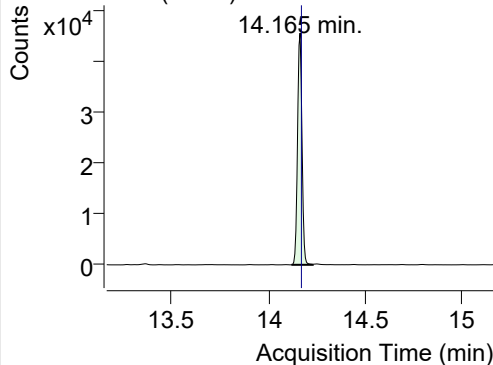
202.0, 101.0, 203.0



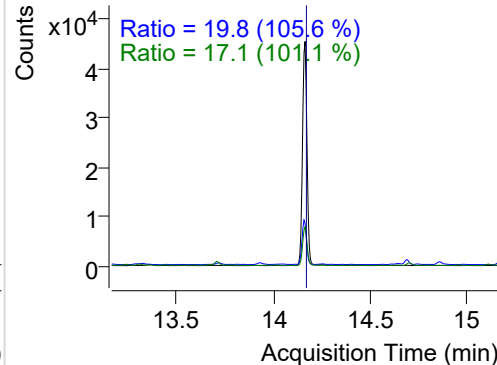
+ SIM (13.666-13.802 min, 26 scans) (**) 2206

**LSS-D10-Pyrene**

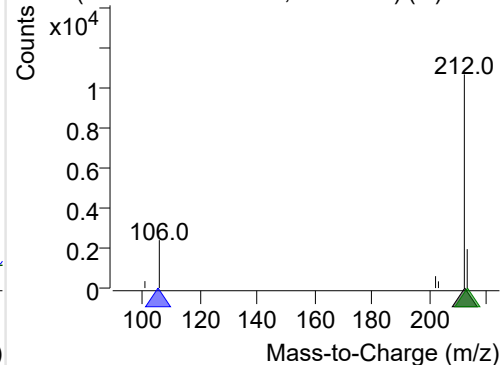
+ Selected Ion (212.0) 220607-PAHs-035.D



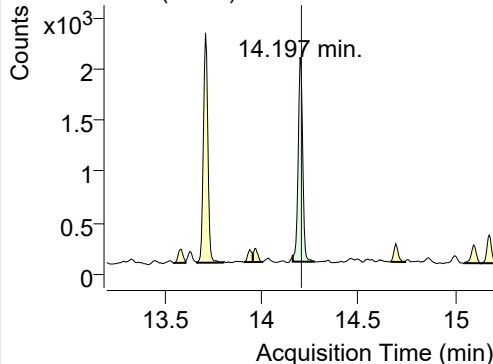
212.0, 106.0, 213.0



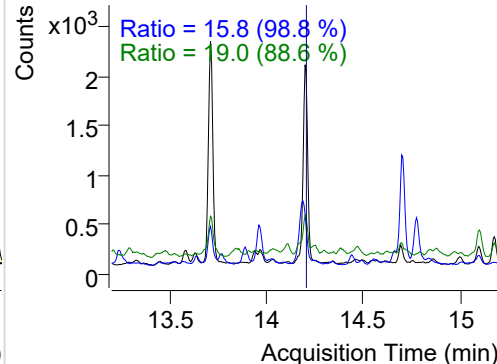
+ SIM (14.120-14.230 min, 21 scans) (**) 2206

**Pyrene**

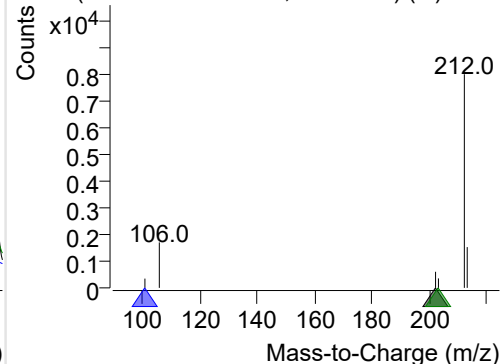
+ Selected Ion (202.0) 220607-PAHs-035.D



202.0, 101.0, 203.0

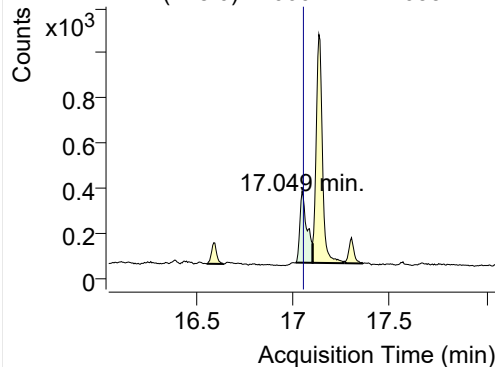


+ SIM (14.160-14.273 min, 21 scans) (**) 2206

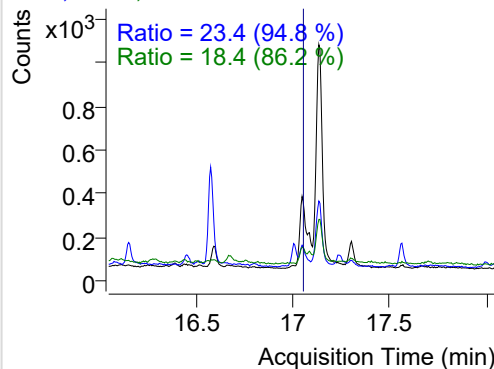


Benz(a)anthracene

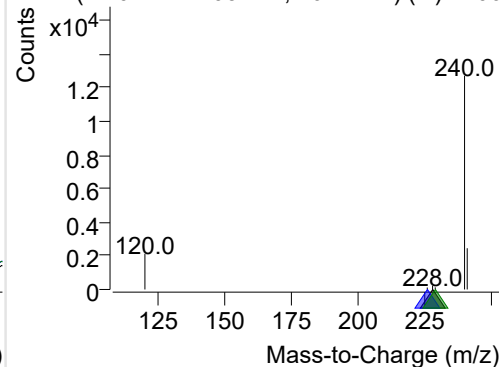
+ Selected Ion (228.0) 220607-PAHs-035.D



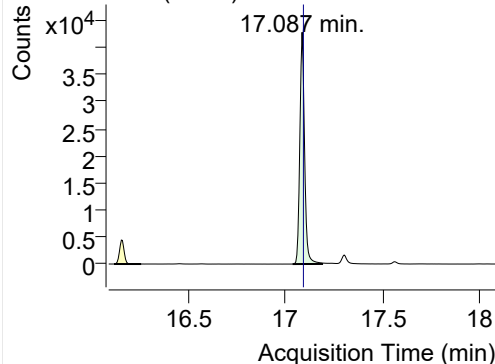
228.0, 226.0, 229.0



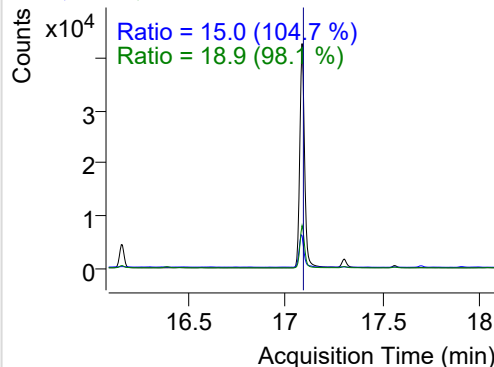
+ SIM (17.017-17.103 min, 16 scans) (**) 2206

**IS-D12-Chrysene**

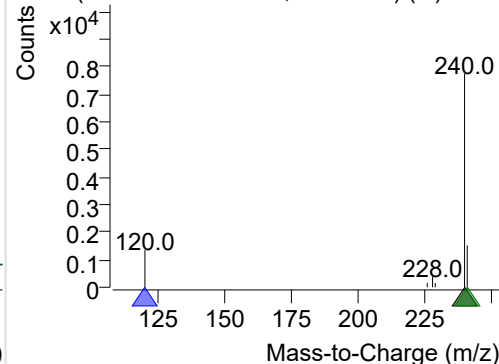
+ Selected Ion (240.0) 220607-PAHs-035.D



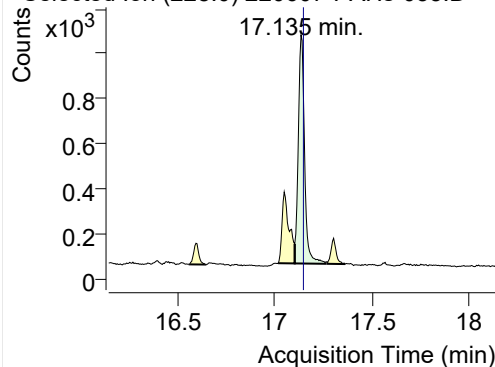
240.0, 120.0, 241.0



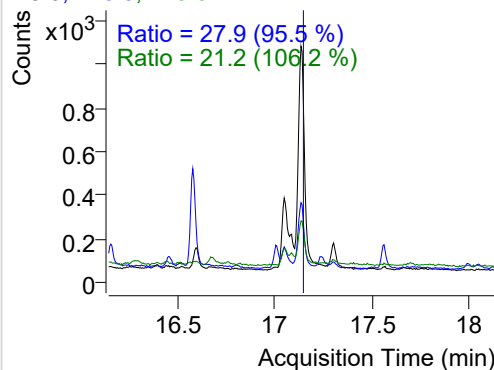
+ SIM (17.038-17.190 min, 29 scans) (**) 2206

**Chrysene**

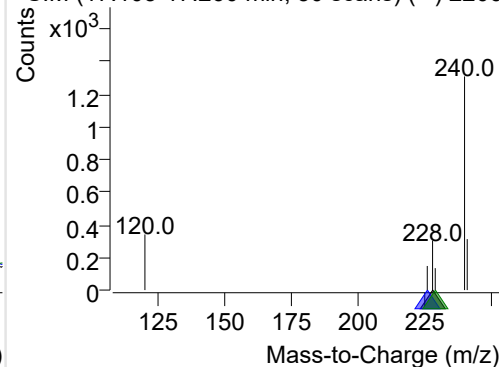
+ Selected Ion (228.0) 220607-PAHs-035.D



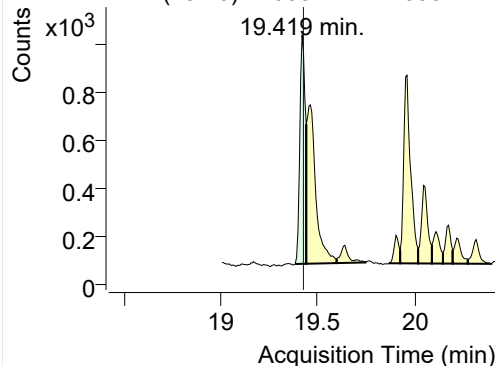
228.0, 226.0, 229.0



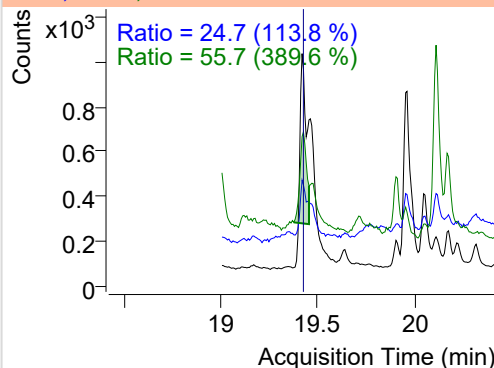
+ SIM (17.103-17.260 min, 30 scans) (**) 2206

**Benzo(b)fluoranthene**

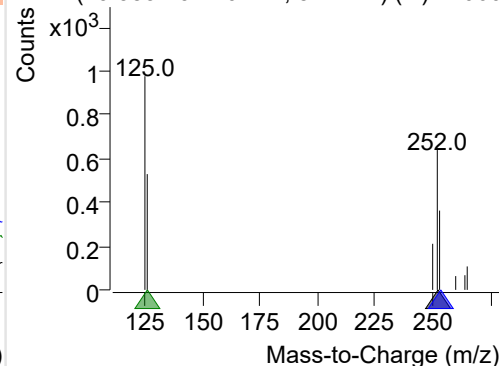
+ Selected Ion (252.0) 220607-PAHs-035.D



252.0, 253.0, 126.0

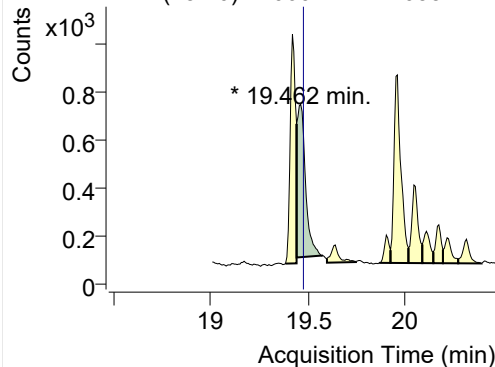


+ SIM (19.383-19.440 min, 8 scans) (**) 22060

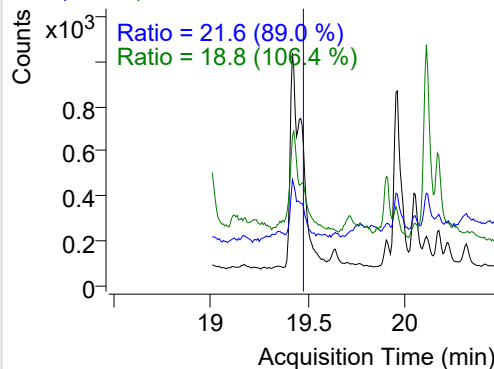


Benzo(k)fluoranthene

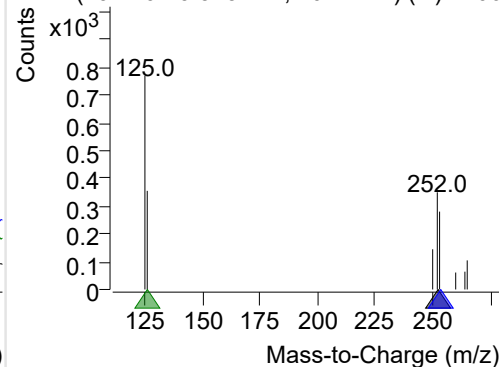
+ Selected Ion (252.0) 220607-PAHs-035.D



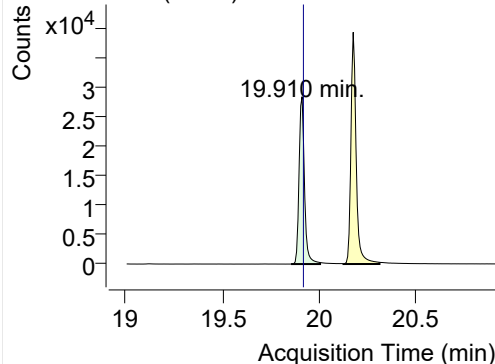
252.0, 253.0, 126.0



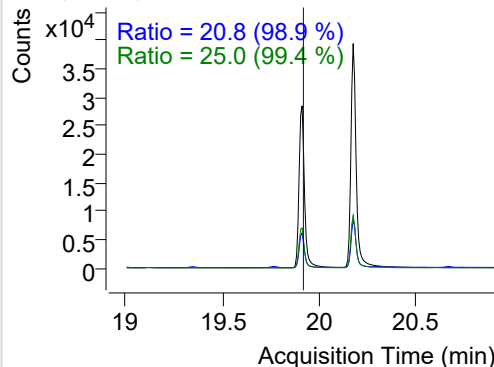
+ SIM (19.440-19.575 min, 20 scans) (**) 2206

**SS-D12-Benzo(e)pyrene**

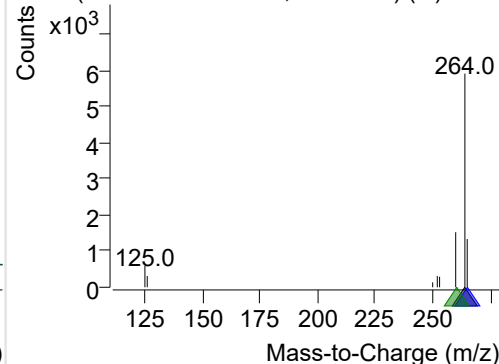
+ Selected Ion (264.0) 220607-PAHs-035.D



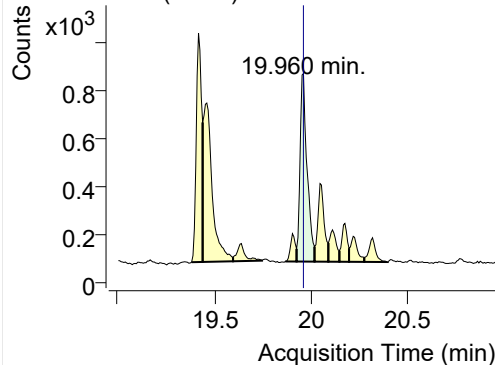
264.0, 265.0, 260.0



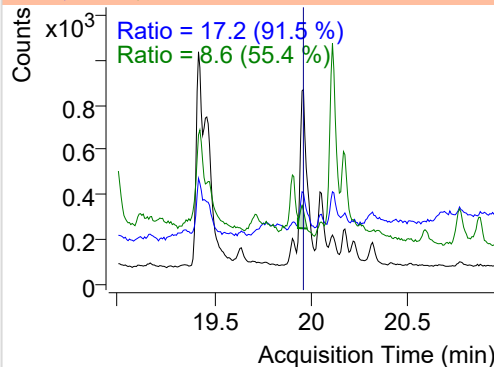
+ SIM (19.853-20.003 min, 22 scans) (**) 2206

**Benzo(e)pyrene**

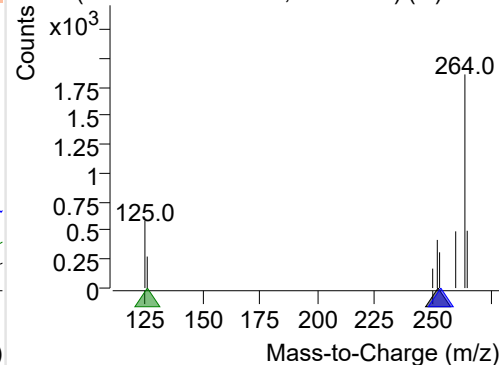
+ Selected Ion (252.0) 220607-PAHs-035.D



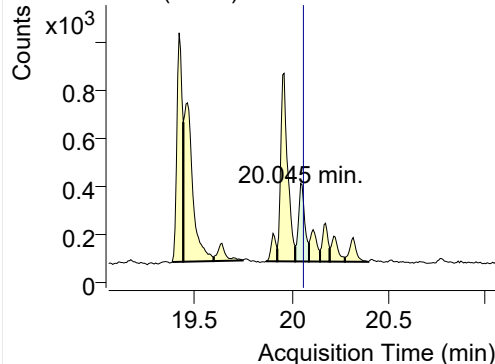
252.0, 253.0, 126.0



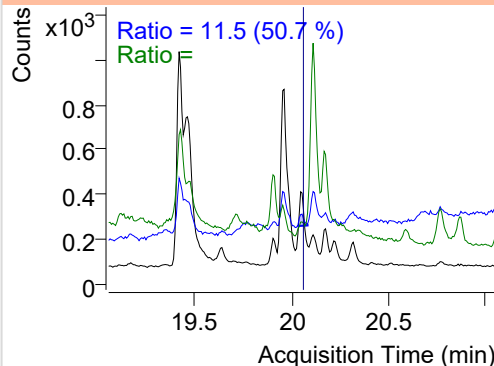
+ SIM (19.924-20.017 min, 14 scans) (**) 2206

**Benzo(a)pyrene**

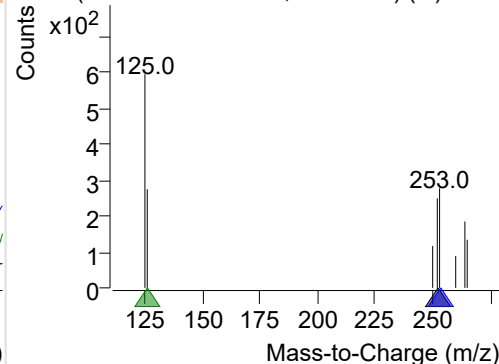
+ Selected Ion (252.0) 220607-PAHs-035.D



252.0, 253.0, 126.0

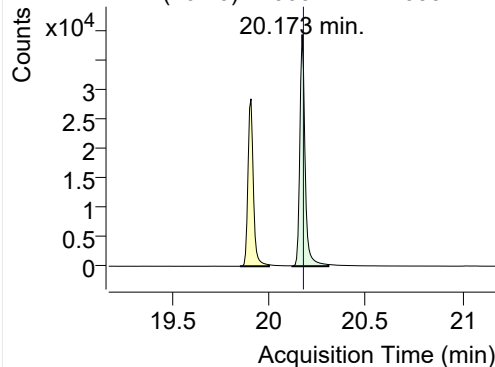


+ SIM (20.017-20.088 min, 11 scans) (**) 2206

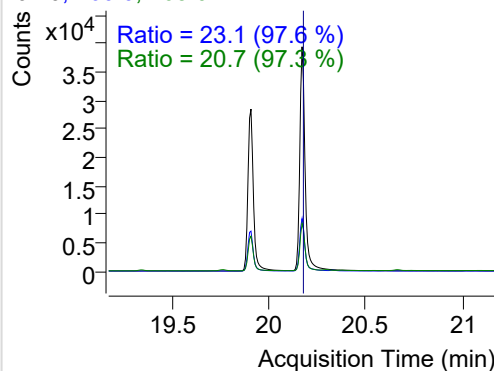


IS-D12-Perylene

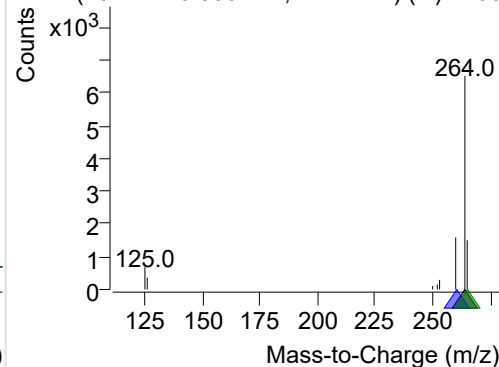
+ Selected Ion (264.0) 220607-PAHs-035.D



264.0, 260.0, 265.0

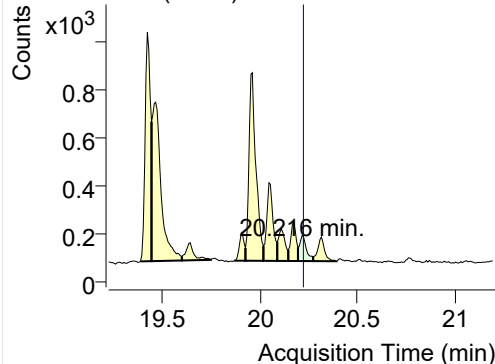


+ SIM (20.124-20.309 min, 27 scans) (**) 2206

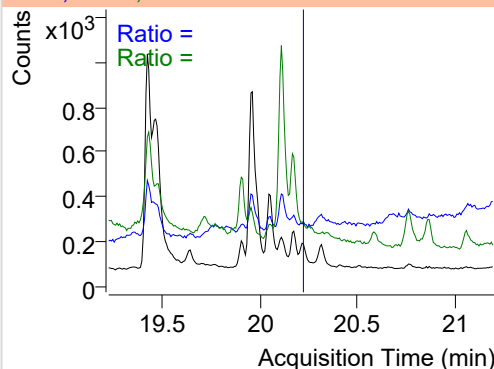


Perylene

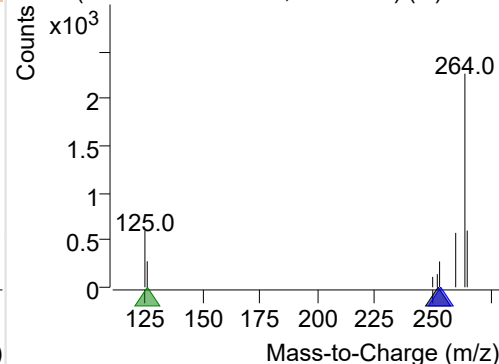
+ Selected Ion (252.0) 220607-PAHs-035.D



252.0, 253.0, 126.0

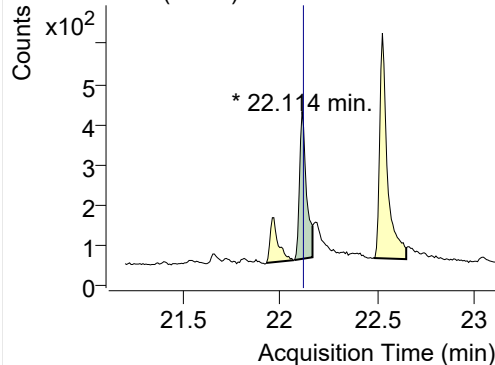


+ SIM (20.195-20.273 min, 12 scans) (**) 2206

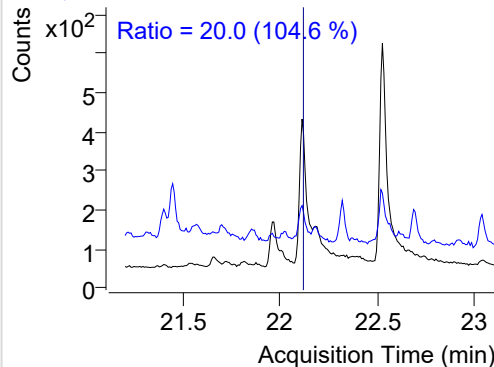


Indeno(1,2,3-c,d)pyrene

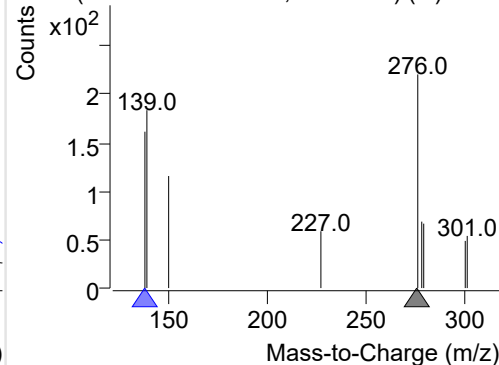
+ Selected Ion (276.0) 220607-PAHs-035.D



276.0, 138.0

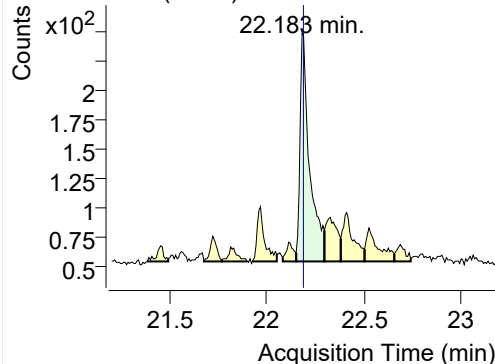


+ SIM (22.076-22.168 min, 13 scans) (**) 2206

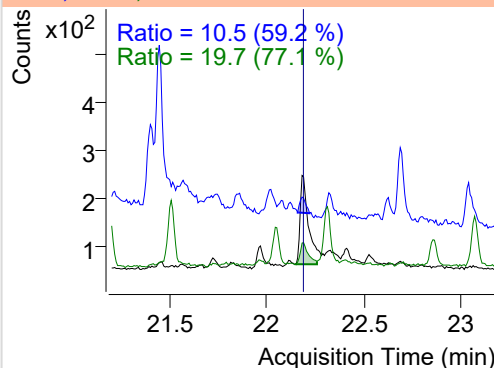


Dibenz(a,h)anthracene

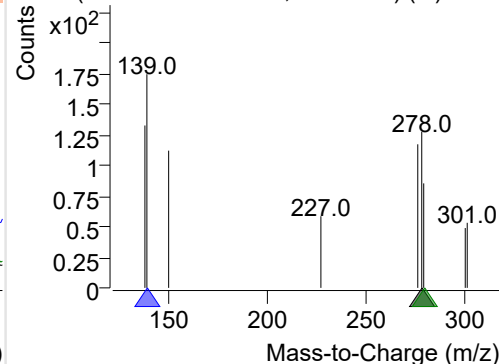
+ Selected Ion (278.0) 220607-PAHs-035.D



278.0, 139.0, 279.0

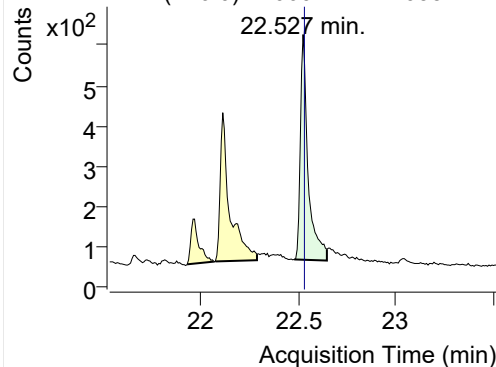


+ SIM (22.152-22.297 min, 20 scans) (**) 2206

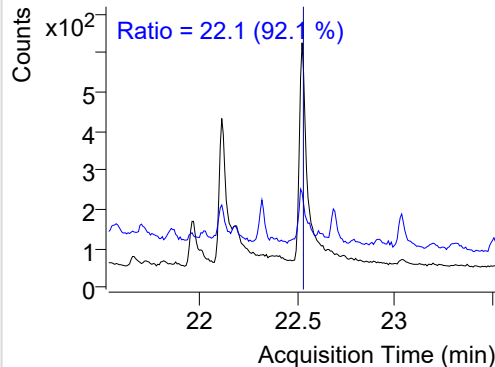


Benzo(g,h,i)perylene

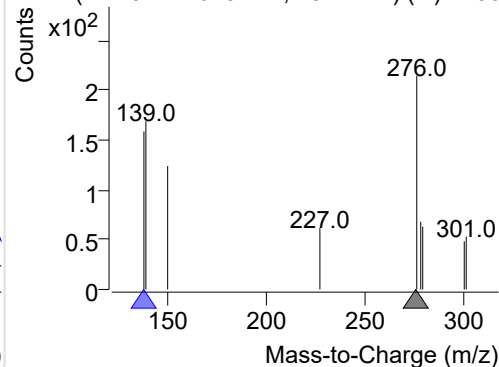
+ Selected Ion (276.0) 220607-PAHs-035.D



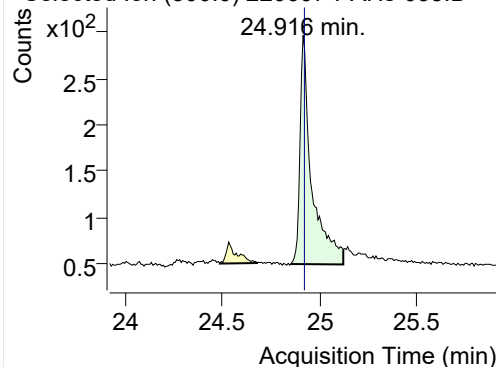
276.0, 138.0



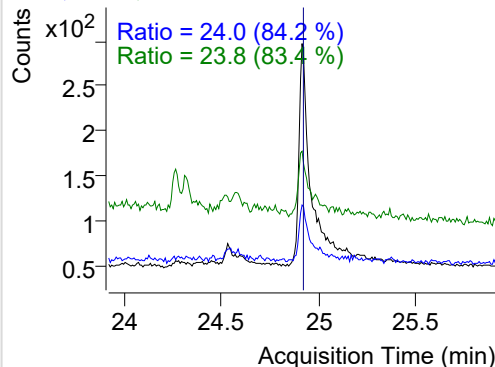
+ SIM (22.481-22.649 min, 23 scans) (**) 2206

**Coronene**

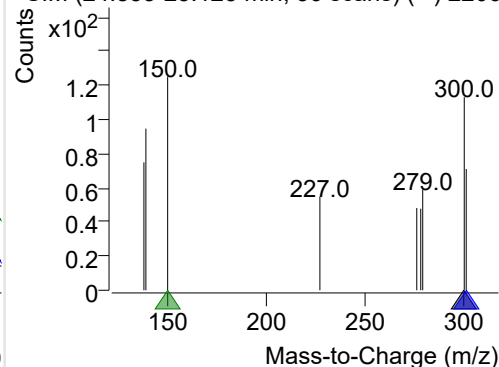
+ Selected Ion (300.0) 220607-PAHs-035.D



300.0, 301.0, 150.0



+ SIM (24.853-25.123 min, 36 scans) (**) 2206



Quantitative Analysis Sample Based Report

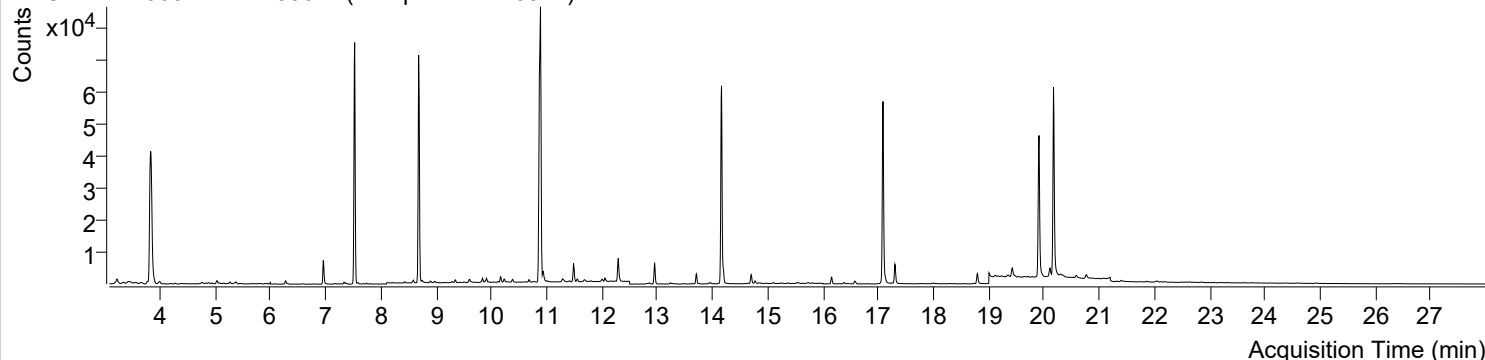


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 4:08:17	Data File	220607-PAHs-036.D
Type	Sample	Name	Sample-PM-220511
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

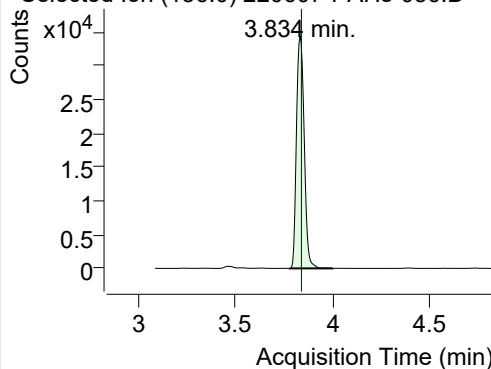
+ TIC SIM 220607-PAHs-036.D (Sample-PM-220511)



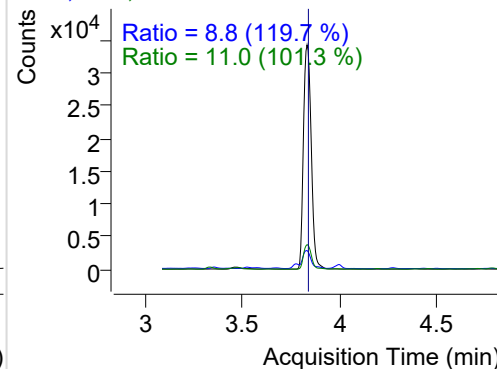
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.834	136.0	95280	34302.48	ND ng/ml	11.0
Naphthalene	3.866	128.0	4918	1764.57	ND ng/ml	12.7
Acenaphthylene	7.165	152.0	178	103.25	ND ng/ml	10.5
IS-D10-Acenaphthene	7.526	164.0	54212	36300.13	ND ng/ml	94.7
Acenaphthene	7.591	154.0	217	124.09	ND ng/ml	111.9
LSS-D10-Fluorene	8.684	176.0	49611	31369.54	ND ng/ml	91.9
Fluorene	8.747	166.0	451	273.15	ND ng/ml	85.6
IS-D10-Phenanthrene	10.889	188.0	94009	63592.38	ND ng/ml	15.0
Phenanthrene	10.942	178.0	3082	1898.71	ND ng/ml	19.1
Anthracene	11.036	178.0	113	74.80	ND ng/ml	
Fluoranthene	13.709	202.0	3682	2321.54	ND ng/ml	17.1
LSS-D10-Pyrene	14.165	212.0	71183	44932.45	ND ng/ml	19.6
Pyrene	14.197	202.0	4121	2635.18	ND ng/ml	18.1
Benz(a)anthracene	17.049	228.0	912	390.99	ND ng/ml	25.9
IS-D12-Chrysene	17.087	240.0	70880	42326.14	ND ng/ml	18.9
Chrysene	17.124	228.0	1089	547.99	ND ng/ml	29.5
Benzo(b)fluoranthene	19.419	252.0	1439	718.65	ND ng/ml	22.0
Benzo(k)fluoranthene	19.454	252.0	240	145.84	ND ng/ml	21.5
SS-D12-Benzo(e)pyrene	19.910	264.0	55147	29782.47	ND ng/ml	25.2
Benzo(e)pyrene	19.960	252.0	419	196.72	ND ng/ml	11.9
Benzo(a)pyrene	20.109	252.0	290	124.77	ND ng/ml	139.3
IS-D12-Perylene	20.173	264.0	71683	40130.35	ND ng/ml	23.3
Perylene	20.173	252.0	337	145.23	ND ng/ml	18.3
Indeno(1,2,3-c,d)pyrene	22.122	276.0	134	59.67	ND ng/ml	52.7
Dibenz(a,h)anthracene	22.190	278.0	294	87.80	ND ng/ml	16.8
Benzo(g,h,i)perylene	22.526	276.0	183	66.53	ND ng/ml	15.7
Coronene	24.924	300.0	326	74.96	ND ng/ml	25.6

IS-D8-Naphthalene

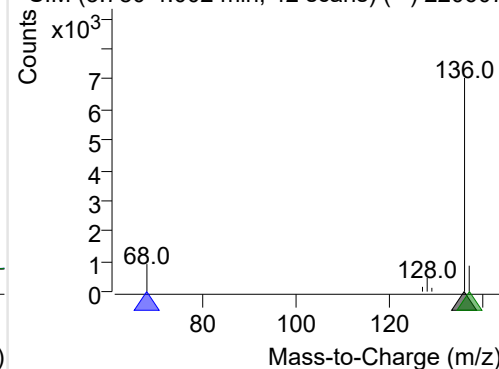
+ Selected Ion (136.0) 220607-PAHs-036.D



136.0, 68.0, 137.0

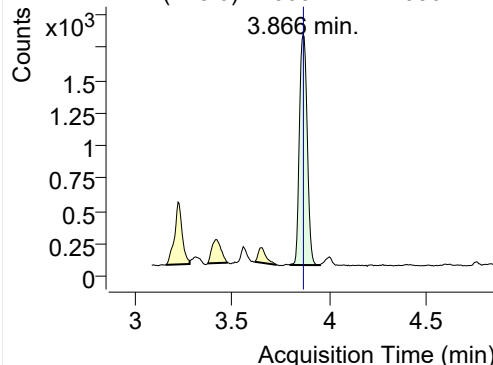


+ SIM (3.780-4.002 min, 42 scans) (**) 220607

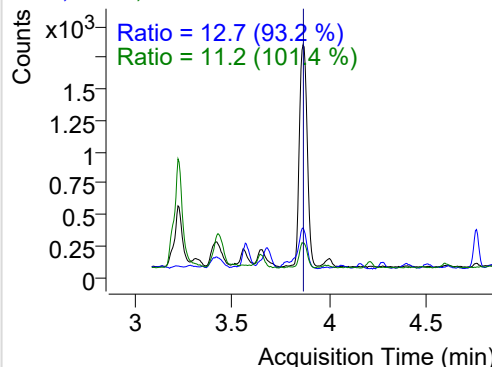


Naphthalene

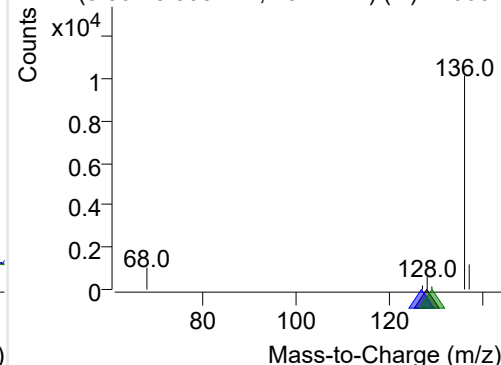
+ Selected Ion (128.0) 220607-PAHs-036.D



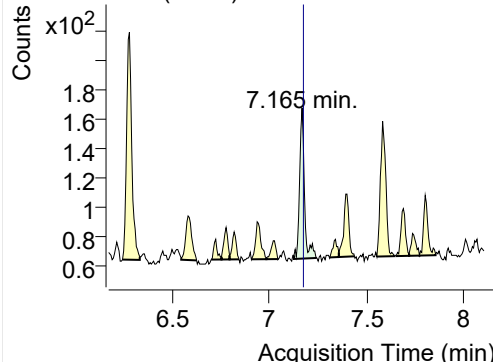
128.0, 127.0, 129.0



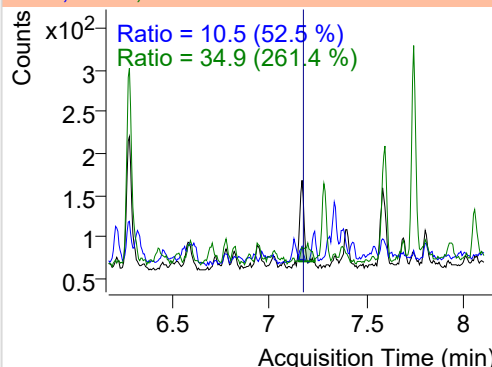
+ SIM (3.802-3.953 min, 29 scans) (**) 220607

**Acenaphthylene**

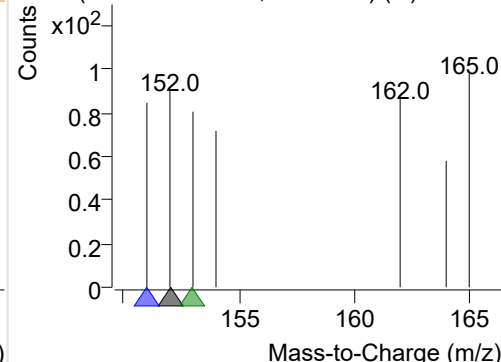
+ Selected Ion (152.0) 220607-PAHs-036.D



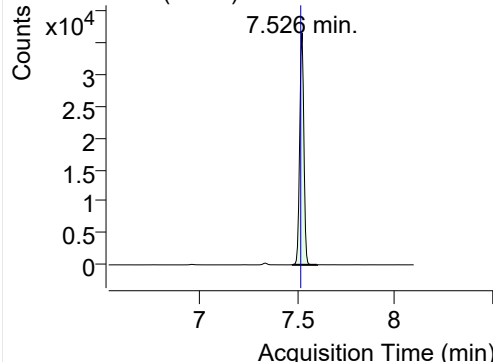
152.0, 151.0, 153.0



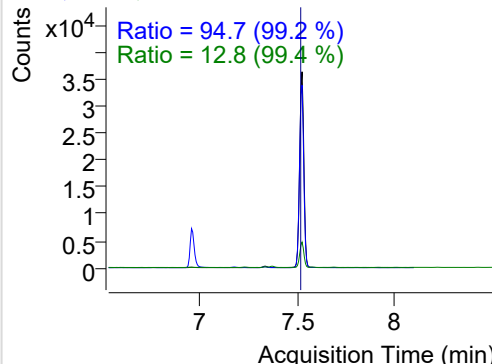
+ SIM (7.124-7.241 min, 20 scans) (**) 220607

**IS-D10-Acenaphthene**

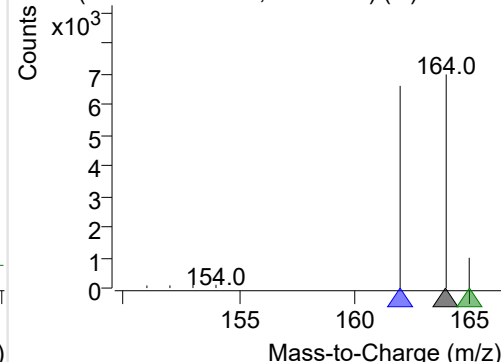
+ Selected Ion (164.0) 220607-PAHs-036.D



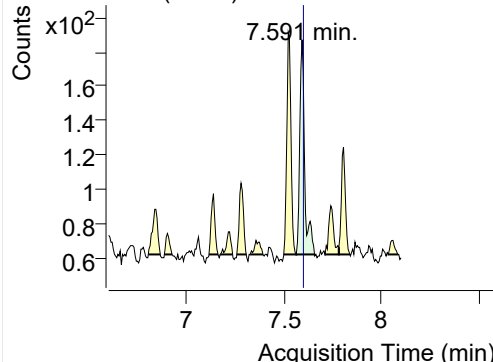
164.0, 162.0, 165.0



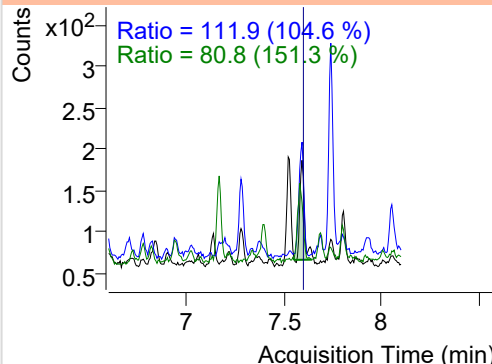
+ SIM (7.479-7.603 min, 22 scans) (**) 220607

**Acenaphthene**

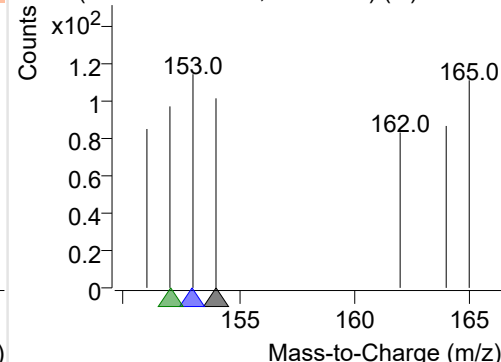
+ Selected Ion (154.0) 220607-PAHs-036.D



154.0, 153.0, 152.0

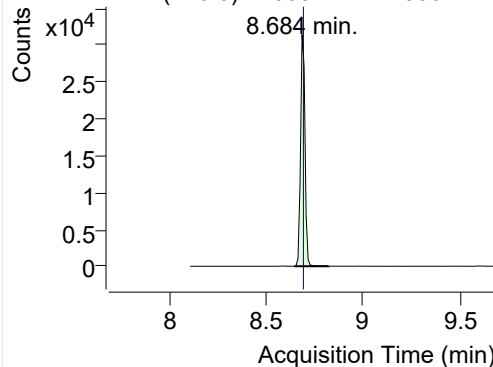


+ SIM (7.562-7.655 min, 16 scans) (**) 220607

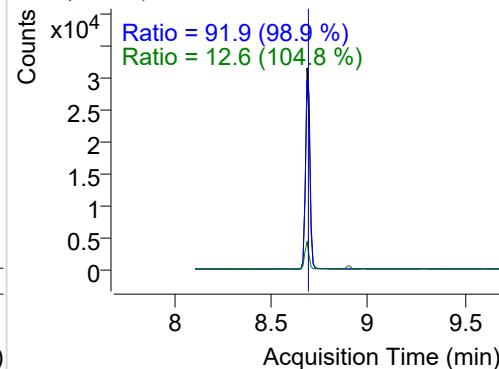


LSS-D10-Fluorene

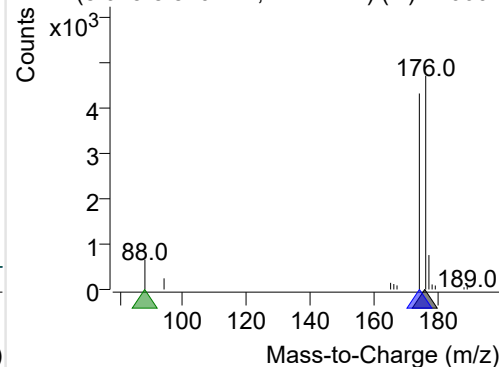
+ Selected Ion (176.0) 220607-PAHs-036.D



176.0, 174.0, 88.0

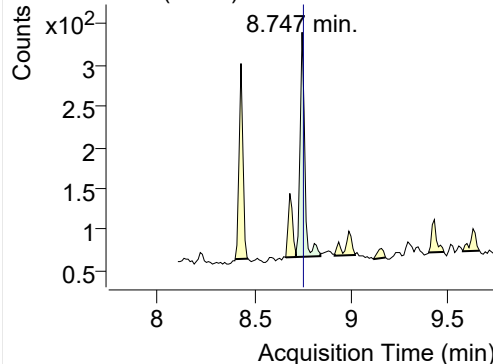


+ SIM (8.643-8.820 min, 17 scans) (**) 220607

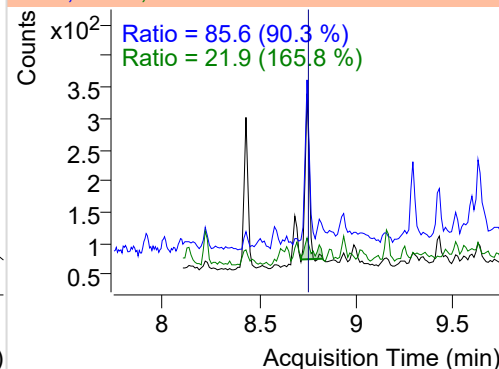


Fluorene

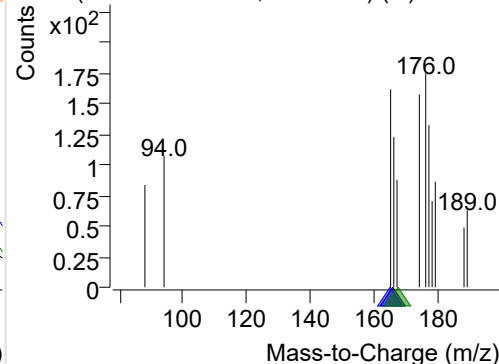
+ Selected Ion (166.0) 220607-PAHs-036.D



166.0, 165.0, 167.0

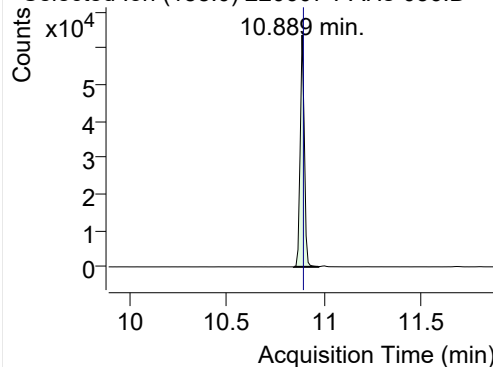


+ SIM (8.715-8.841 min, 13 scans) (**) 220607

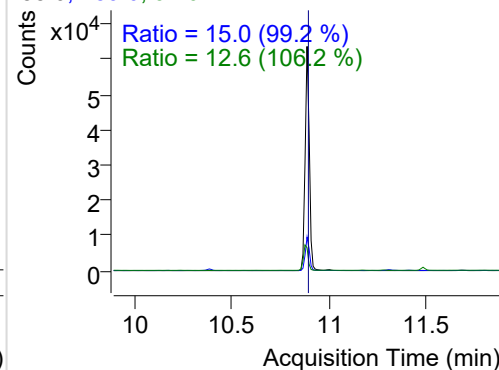


IS-D10-Phenanthrene

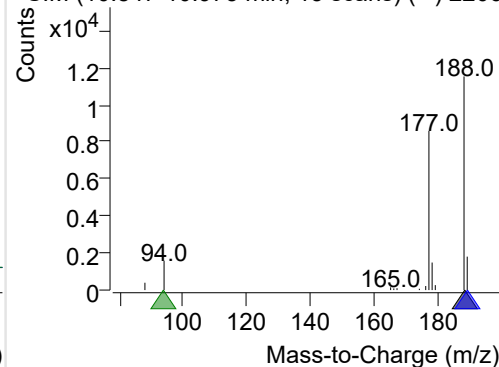
+ Selected Ion (188.0) 220607-PAHs-036.D



188.0, 189.0, 94.0

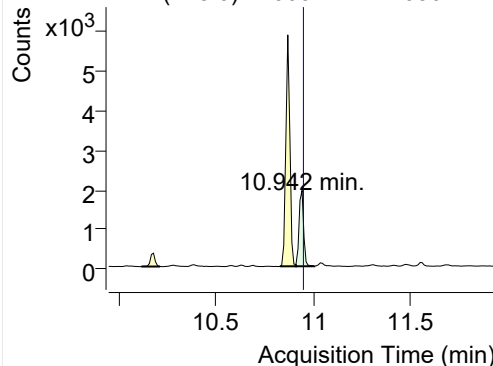


+ SIM (10.847-10.973 min, 13 scans) (**) 2206

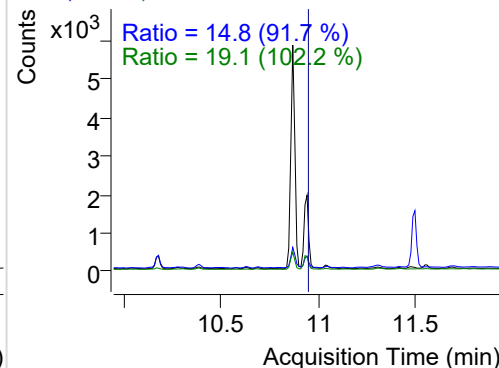


Phenanthrene

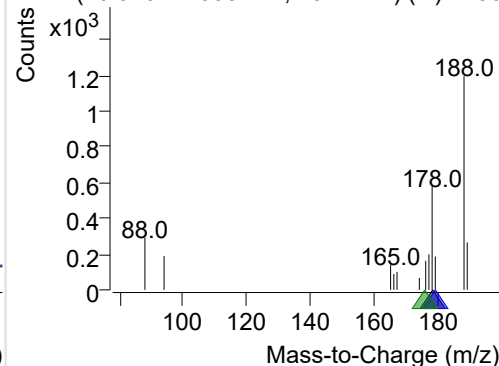
+ Selected Ion (178.0) 220607-PAHs-036.D



178.0, 179.0, 176.0

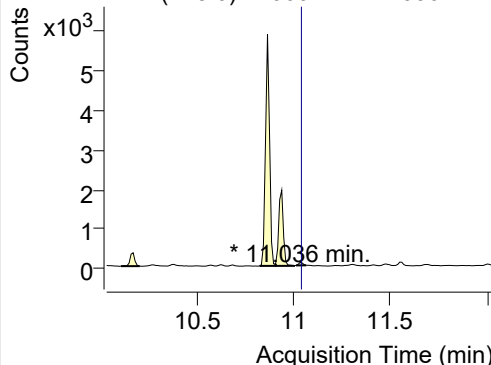


+ SIM (10.910-11.005 min, 10 scans) (**) 2206

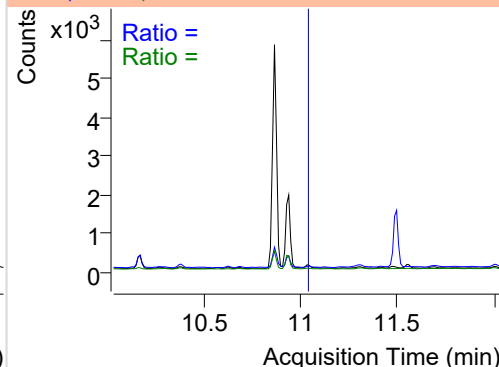


Anthracene

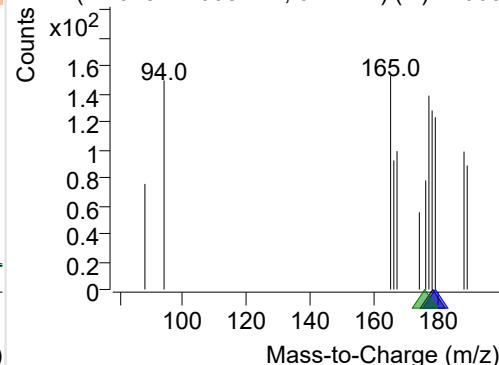
+ Selected Ion (178.0) 220607-PAHs-036.D



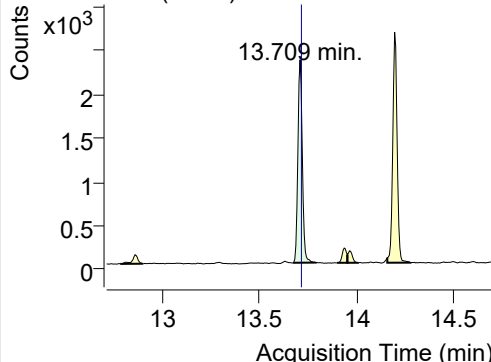
178.0, 179.0, 176.0



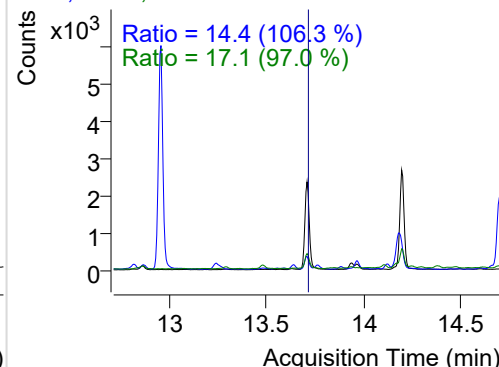
+ SIM (11.015-11.068 min, 6 scans) (**) 22060

**Fluoranthene**

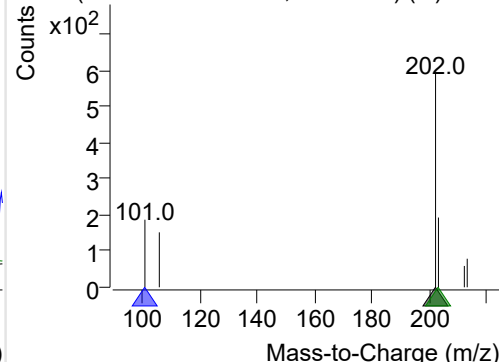
+ Selected Ion (202.0) 220607-PAHs-036.D



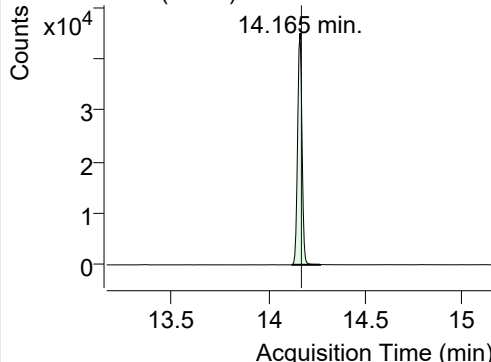
202.0, 101.0, 203.0



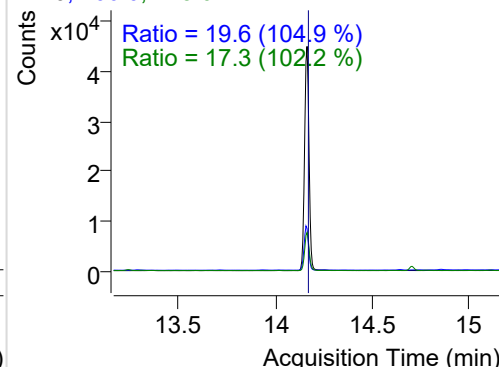
+ SIM (13.674-13.791 min, 22 scans) (**) 2206

**LSS-D10-Pyrene**

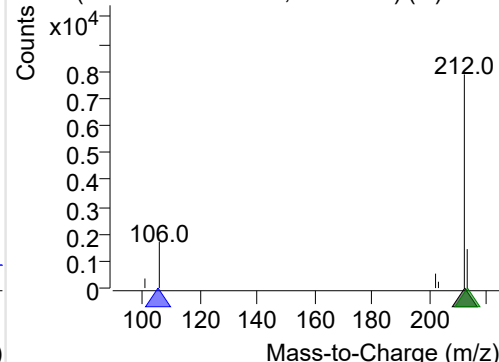
+ Selected Ion (212.0) 220607-PAHs-036.D



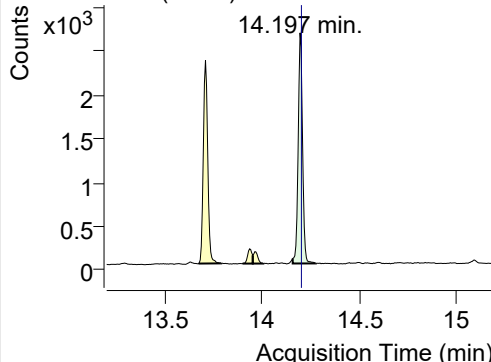
212.0, 106.0, 213.0



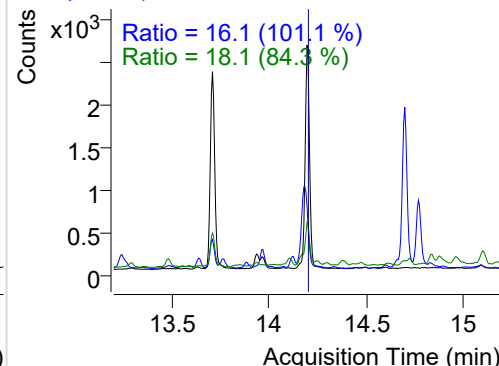
+ SIM (14.121-14.268 min, 28 scans) (**) 2206

**Pyrene**

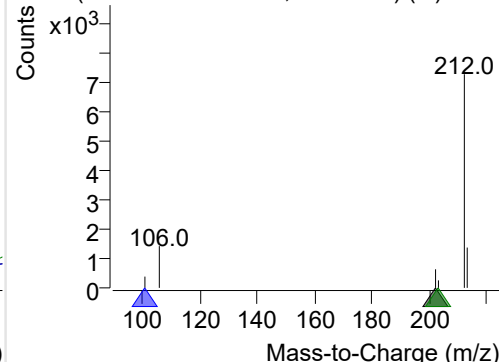
+ Selected Ion (202.0) 220607-PAHs-036.D



202.0, 101.0, 203.0

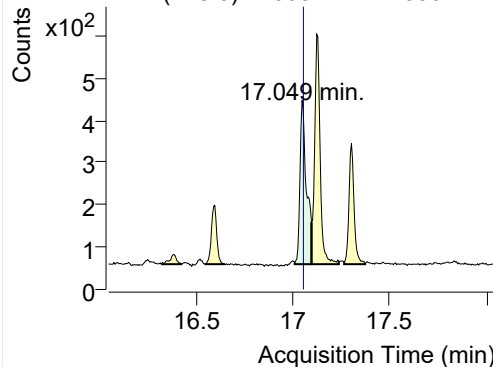


+ SIM (14.159-14.279 min, 23 scans) (**) 2206

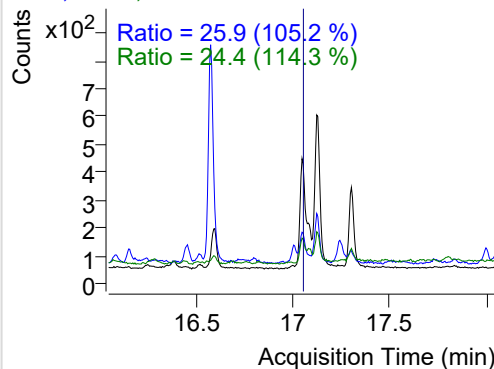


Benz(a)anthracene

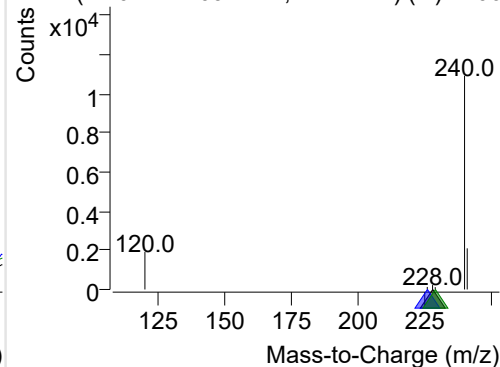
+ Selected Ion (228.0) 220607-PAHs-036.D



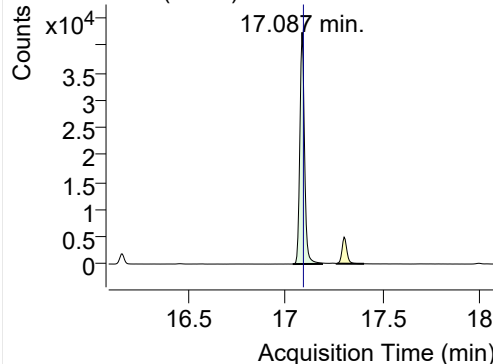
228.0, 226.0, 229.0



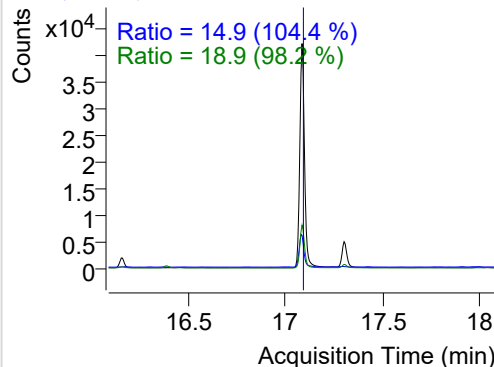
+ SIM (17.011-17.097 min, 17 scans) (**) 2206

**IS-D12-Chrysene**

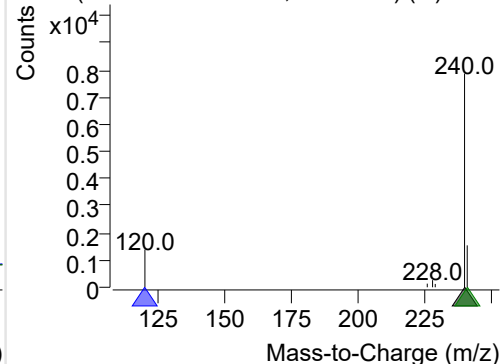
+ Selected Ion (240.0) 220607-PAHs-036.D



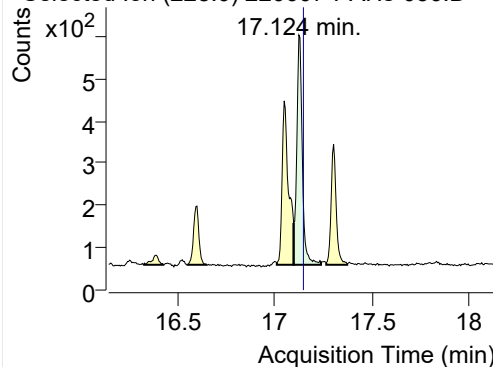
240.0, 120.0, 241.0



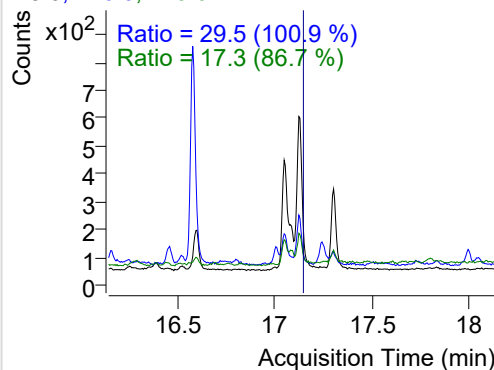
+ SIM (17.038-17.190 min, 28 scans) (**) 2206

**Chrysene**

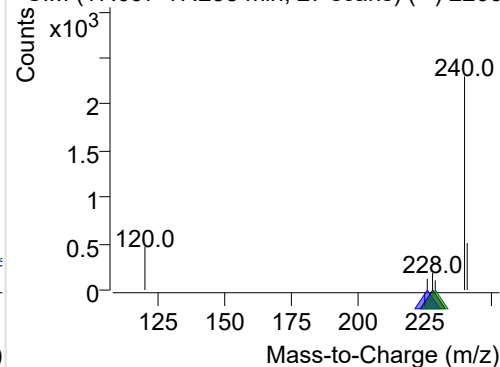
+ Selected Ion (228.0) 220607-PAHs-036.D



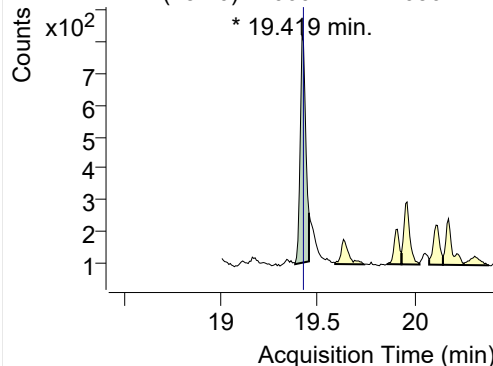
228.0, 226.0, 229.0



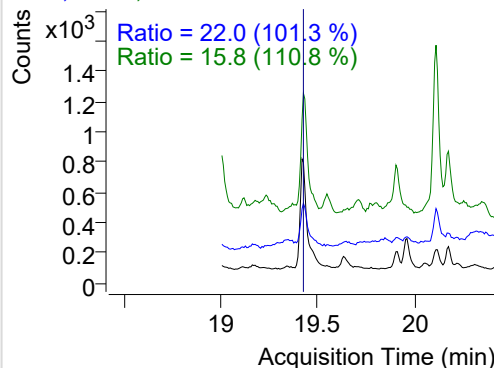
+ SIM (17.097-17.238 min, 27 scans) (**) 2206

**Benzo(b)fluoranthene**

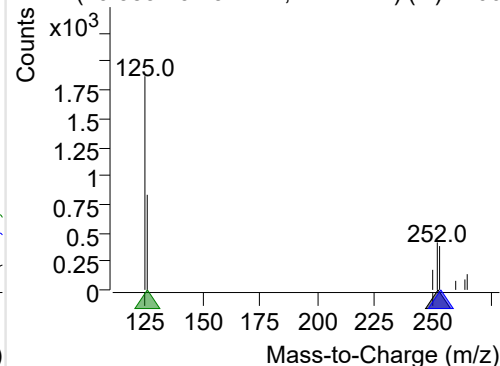
+ Selected Ion (252.0) 220607-PAHs-036.D



252.0, 253.0, 126.0



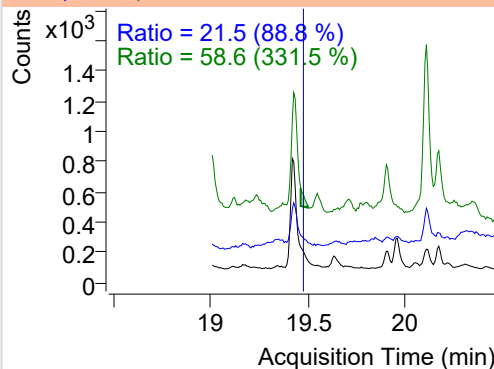
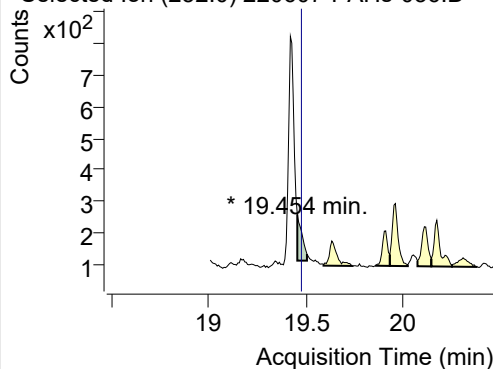
+ SIM (19.383-19.454 min, 11 scans) (**) 2206



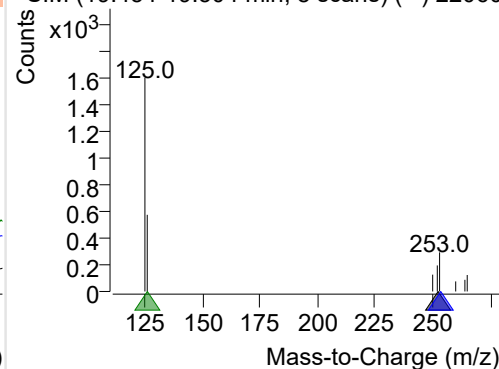
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-036.D

252.0, 253.0, 126.0

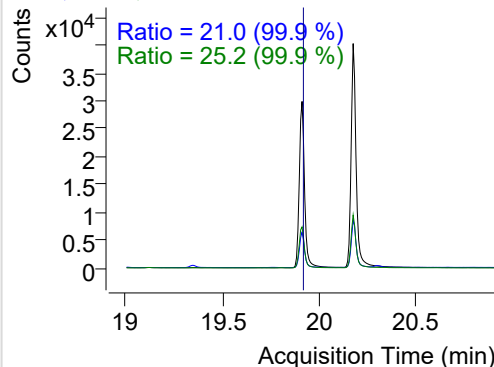
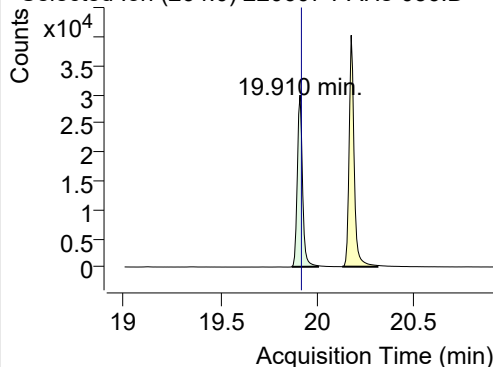


+ SIM (19.454-19.504 min, 8 scans) (**) 22060

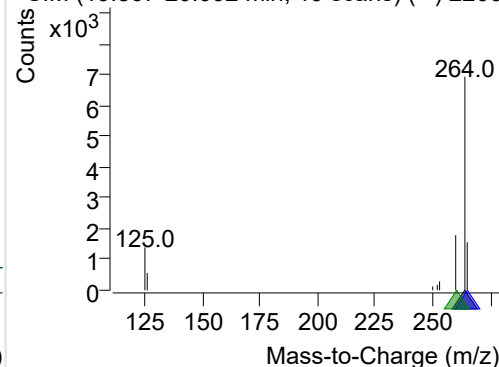
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-036.D

264.0, 265.0, 260.0

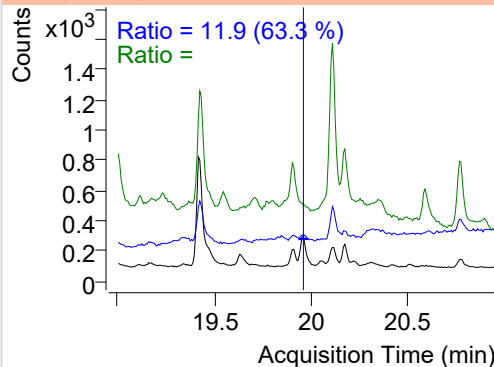
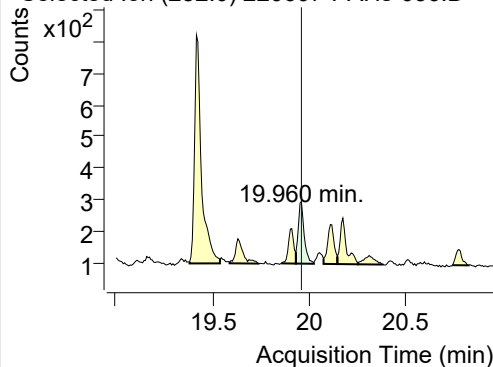


+ SIM (19.867-20.002 min, 19 scans) (**) 2206

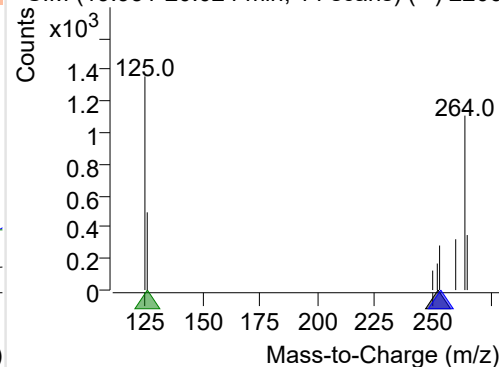
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-036.D

252.0, 253.0, 126.0

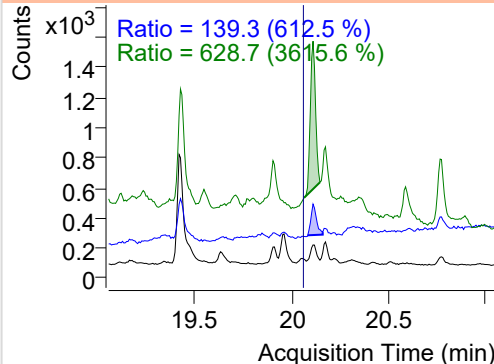
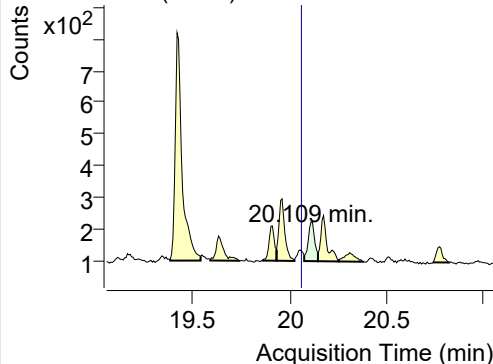


+ SIM (19.931-20.024 min, 14 scans) (**) 2206

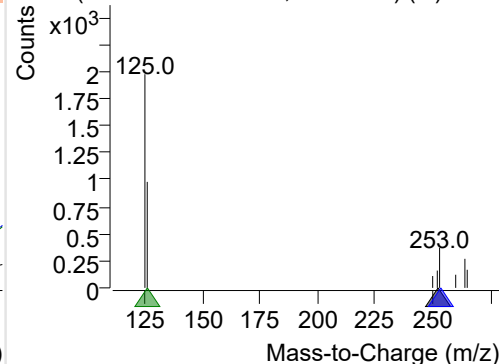
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-036.D

252.0, 253.0, 126.0

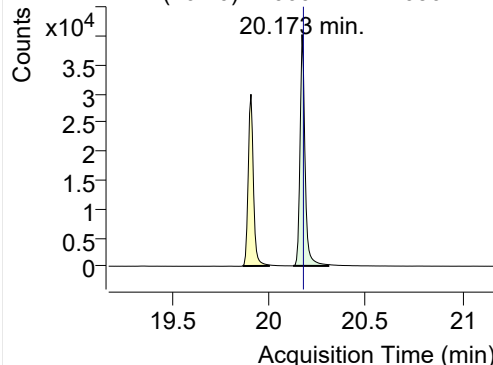


+ SIM (20.074-20.145 min, 11 scans) (**) 2206

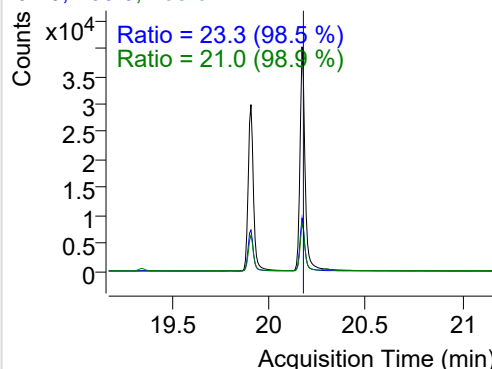


IS-D12-Perylene

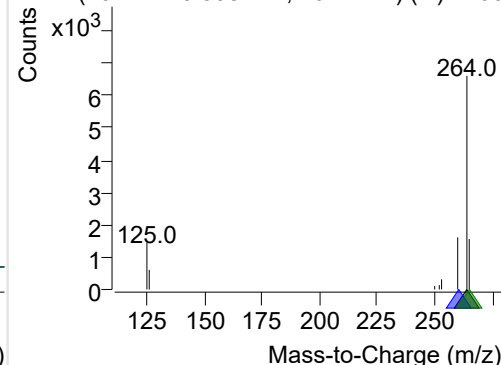
+ Selected Ion (264.0) 220607-PAHs-036.D



264.0, 260.0, 265.0

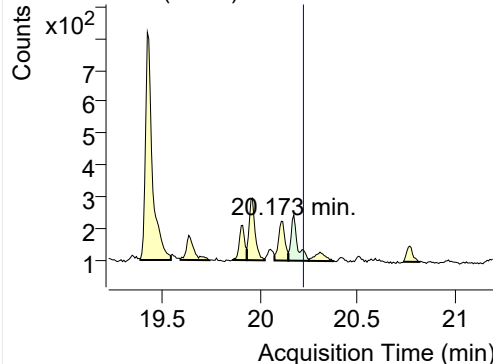


+ SIM (20.127-20.308 min, 26 scans) (**) 2206

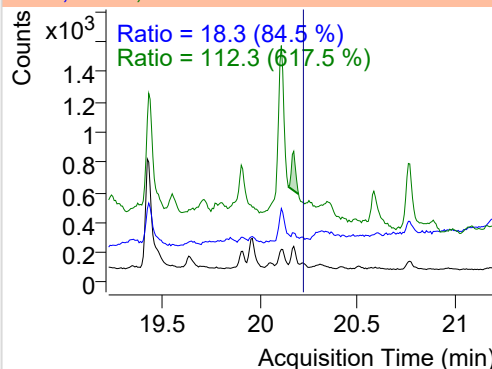


Perylene

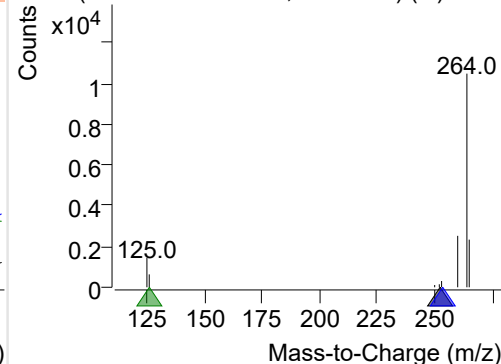
+ Selected Ion (252.0) 220607-PAHs-036.D



252.0, 253.0, 126.0

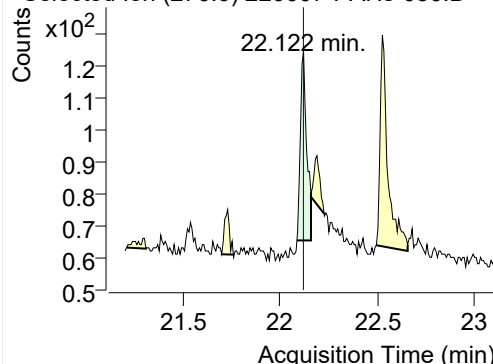


+ SIM (20.145-20.251 min, 16 scans) (**) 2206

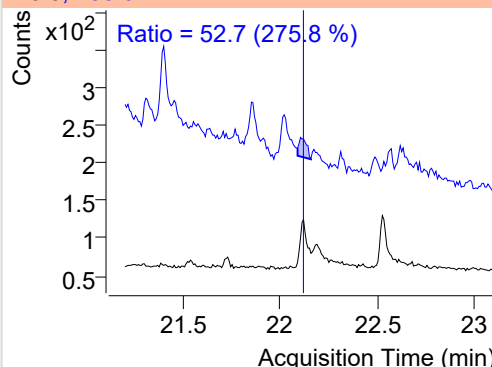


Indeno(1,2,3-c,d)pyrene

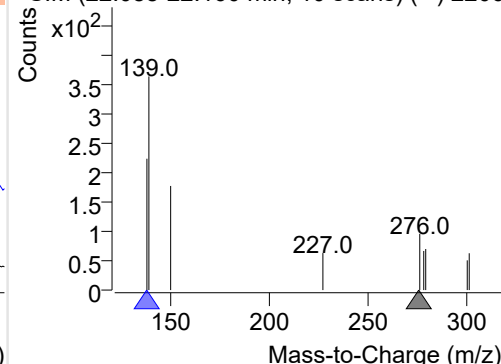
+ Selected Ion (276.0) 220607-PAHs-036.D



276.0, 138.0

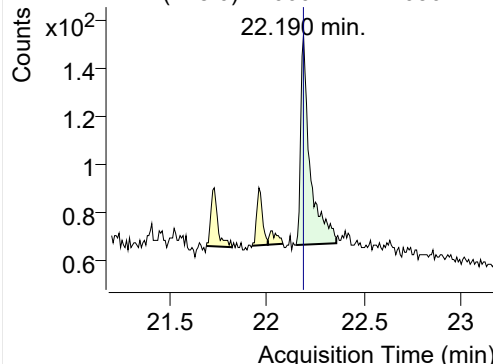


+ SIM (22.088-22.160 min, 10 scans) (**) 2206

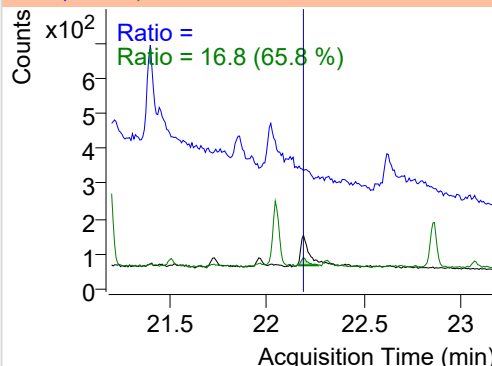


Dibenz(a,h)anthracene

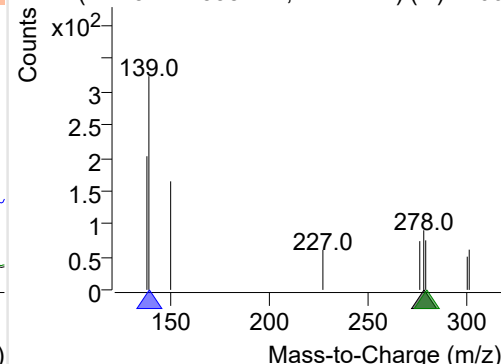
+ Selected Ion (278.0) 220607-PAHs-036.D



278.0, 139.0, 279.0



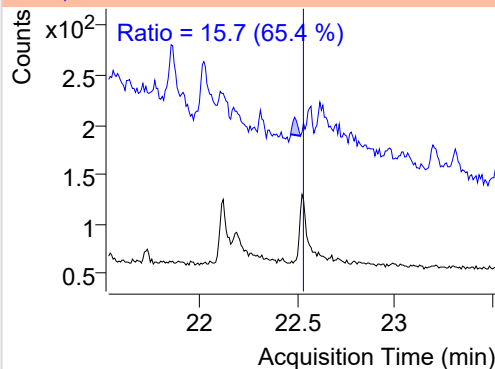
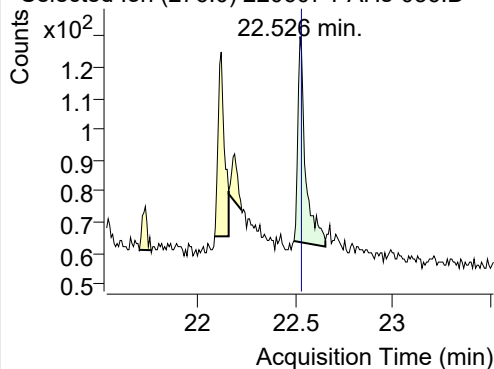
+ SIM (22.152-22.358 min, 27 scans) (**) 2206



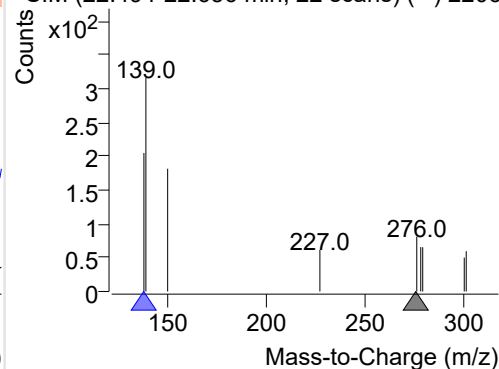
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-036.D

276.0, 138.0

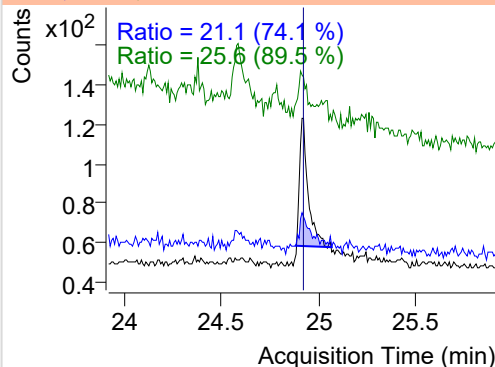
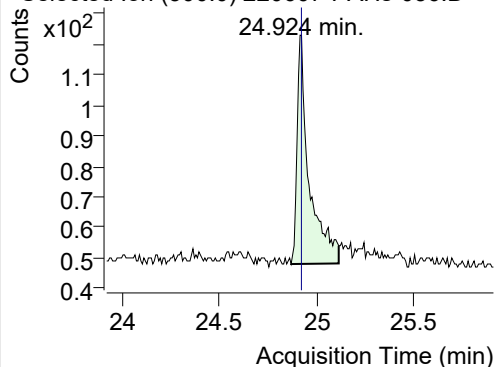


+ SIM (22.494-22.656 min, 22 scans) (**) 2206

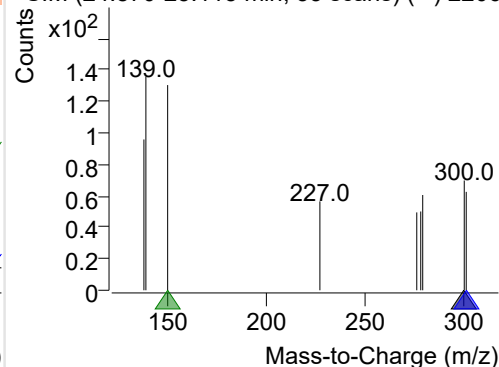
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-036.D

300.0, 301.0, 150.0



+ SIM (24.870-25.115 min, 33 scans) (**) 2206



Quantitative Analysis Sample Based Report

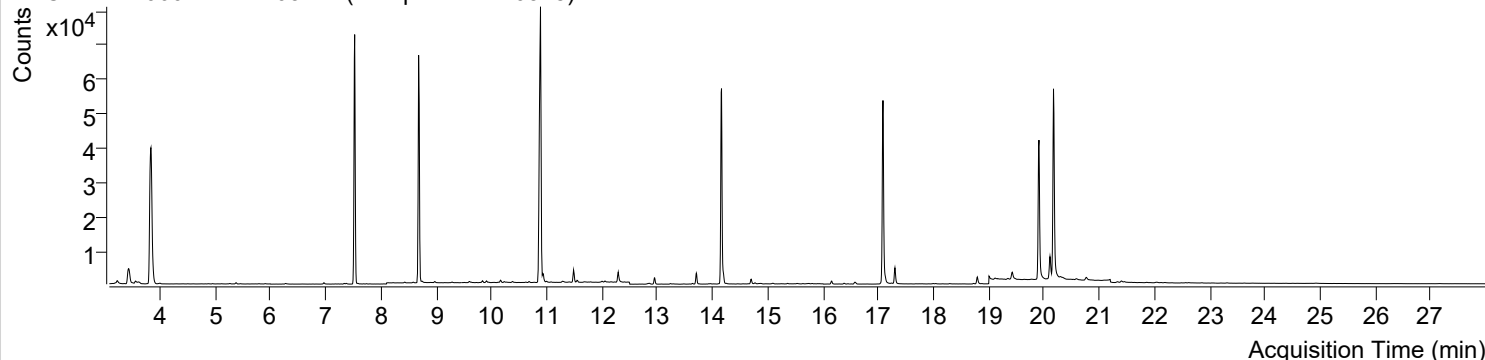


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 4:39:27	Data File	220607-PAHs-037.D
Type	Sample	Name	Sample-PM-220518
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

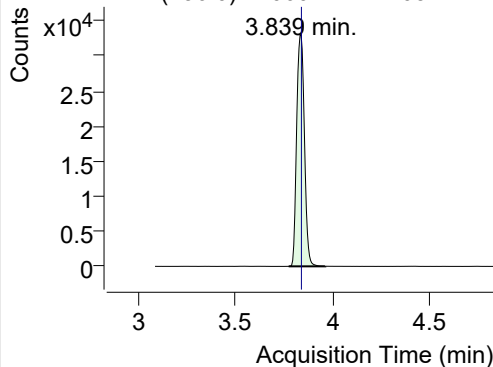
+ TIC SIM 220607-PAHs-037.D (Sample-PM-220518)



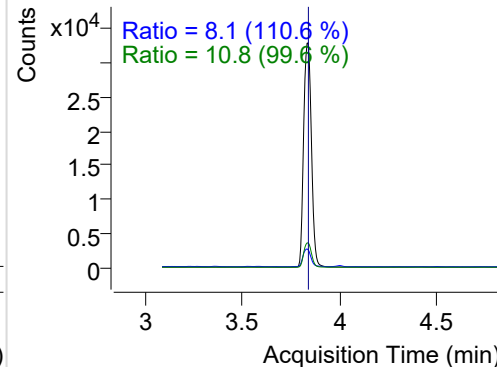
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.839	136.0	91453	32943.93	ND ng/ml	10.8
Naphthalene	3.872	128.0	5998	2166.76	ND ng/ml	13.7
Acenaphthylene	7.171	152.0	17	12.02	ND ng/ml	153.0
IS-D10-Acenaphthene	7.526	164.0	52134	35072.02	ND ng/ml	95.5
Acenaphthene	7.591	154.0	82	36.12	ND ng/ml	78.6
LSS-D10-Fluorene	8.684	176.0	45610	29269.59	ND ng/ml	91.9
Fluorene	8.747	166.0	255	140.74	ND ng/ml	80.2
IS-D10-Phenanthrene	10.889	188.0	91419	61261.67	ND ng/ml	15.1
Phenanthrene	10.942	178.0	2303	1364.85	ND ng/ml	19.7
Anthracene	11.036	178.0	19	10.78	ND ng/ml	
Fluoranthene	13.710	202.0	3863	2420.05	ND ng/ml	16.8
LSS-D10-Pyrene	14.165	212.0	65773	41836.50	ND ng/ml	19.6
Pyrene	14.197	202.0	3115	1887.90	ND ng/ml	19.2
Benz(a)anthracene	17.049	228.0	397	228.34	ND ng/ml	34.8
IS-D12-Chrysene	17.087	240.0	69101	40031.47	ND ng/ml	18.9
Chrysene	17.124	228.0	1178	613.66	ND ng/ml	30.1
Benzo(b)fluoranthene	19.426	252.0	1248	469.54	ND ng/ml	39.1
Benzo(k)fluoranthene	19.454	252.0	169	99.96	ND ng/ml	289.0
SS-D12-Benzo(e)pyrene	19.910	264.0	51990	27535.80	ND ng/ml	25.0
Benzo(e)pyrene	19.953	252.0	233	100.54	ND ng/ml	
Benzo(a)pyrene	20.109	252.0	659	329.54	ND ng/ml	183.7
IS-D12-Perylene	20.173	264.0	71794	37812.52	ND ng/ml	23.4
Perylene	20.173	252.0	391	147.54	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	22.122	276.0	82	36.03	ND ng/ml	58.2
Dibenz(a,h)anthracene	22.190	278.0	222	57.36	ND ng/ml	19.3
Benzo(g,h,i)perylene	22.534	276.0	98	30.67	ND ng/ml	46.6
Coronene	24.916	300.0	212	41.48	ND ng/ml	15.9

IS-D8-Naphthalene

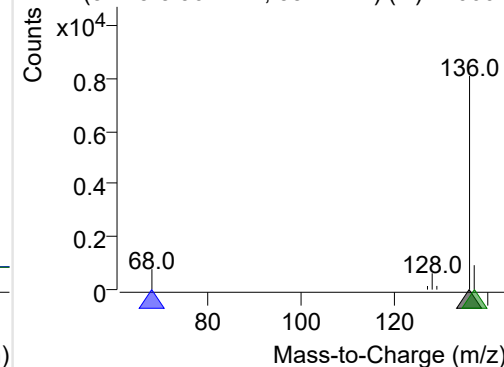
+ Selected Ion (136.0) 220607-PAHs-037.D



136.0, 68.0, 137.0

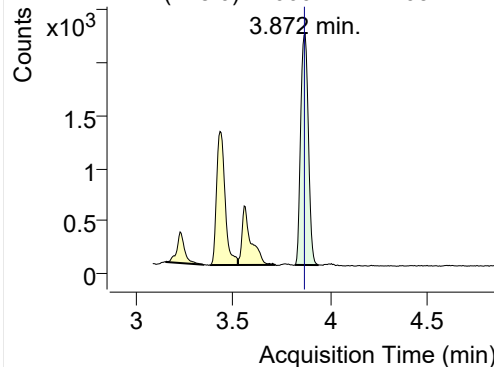


+ SIM (3.775-3.964 min, 35 scans) (**) 220607

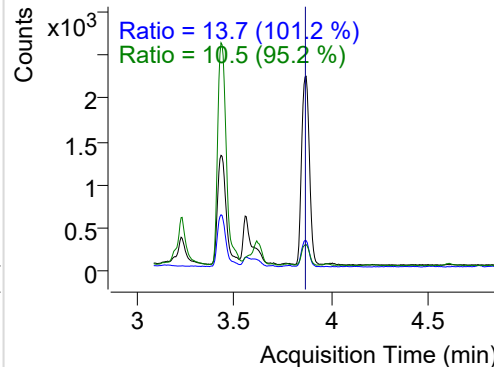


Naphthalene

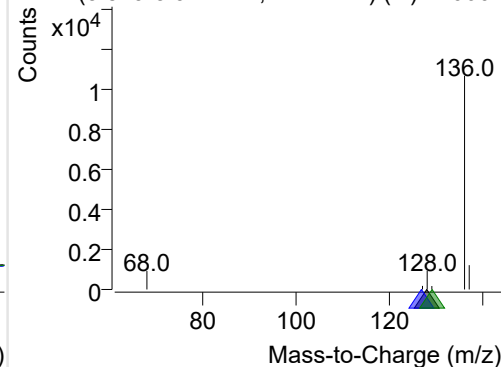
+ Selected Ion (128.0) 220607-PAHs-037.D



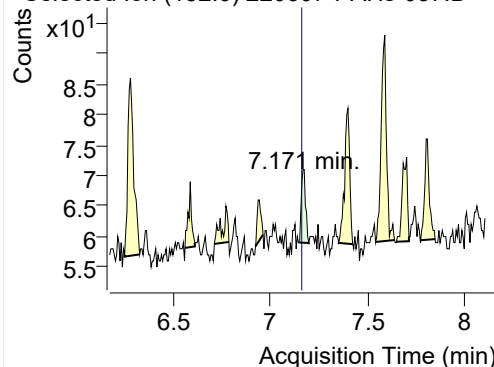
128.0, 127.0, 129.0



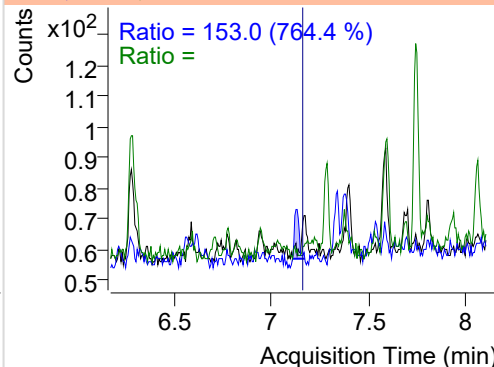
+ SIM (3.819-3.941 min, 22 scans) (**) 220607

**Acenaphthylene**

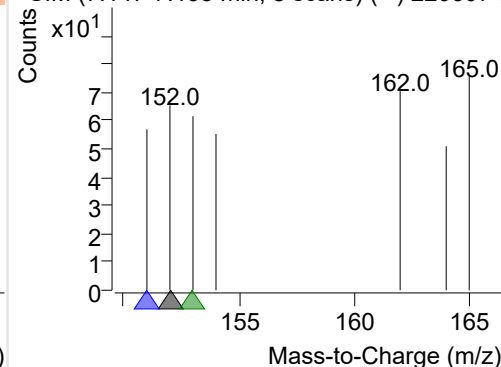
+ Selected Ion (152.0) 220607-PAHs-037.D



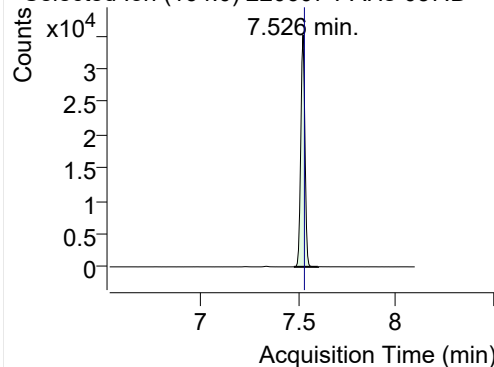
152.0, 151.0, 153.0



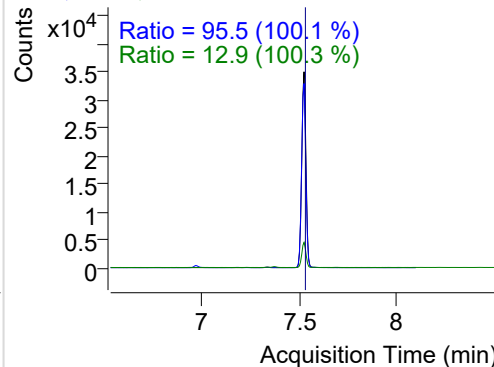
+ SIM (7.147-7.195 min, 8 scans) (**) 220607-I

**IS-D10-Acenaphthene**

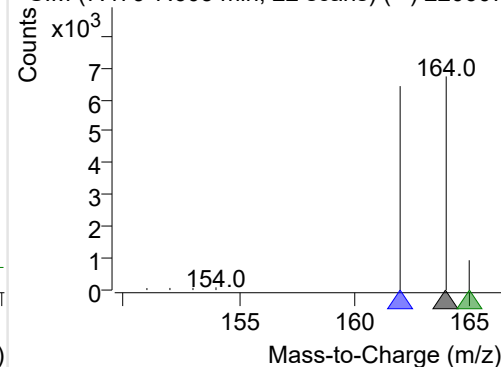
+ Selected Ion (164.0) 220607-PAHs-037.D



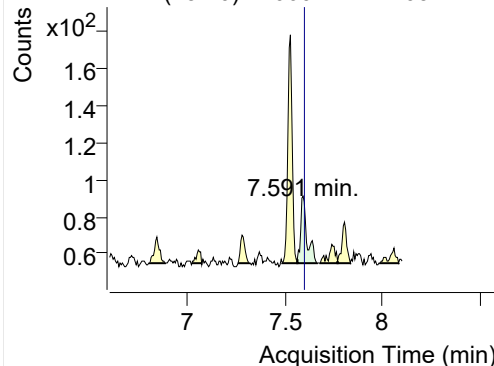
164.0, 162.0, 165.0



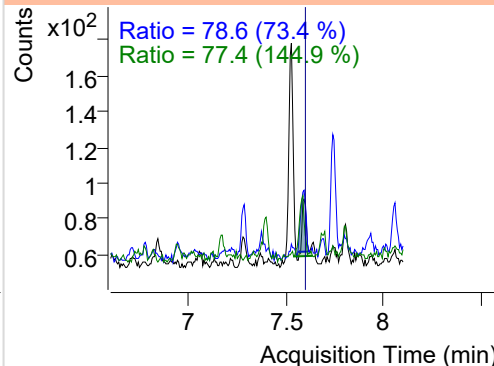
+ SIM (7.479-7.603 min, 22 scans) (**) 220607

**Acenaphthene**

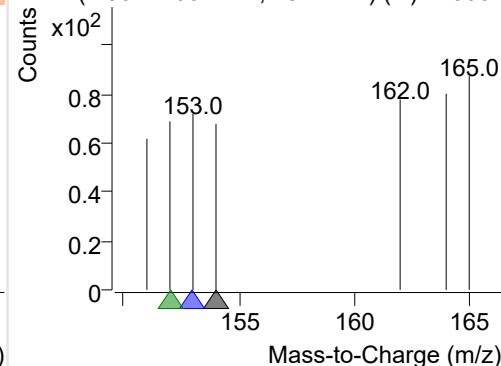
+ Selected Ion (154.0) 220607-PAHs-037.D



154.0, 153.0, 152.0

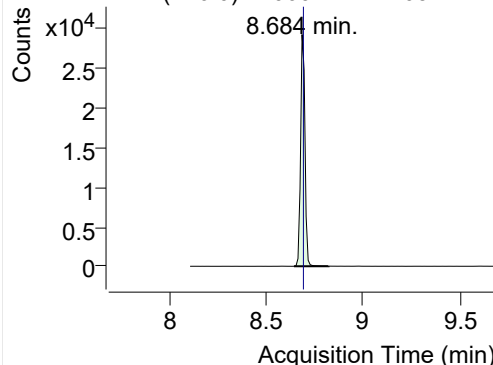


+ SIM (7.562-7.662 min, 18 scans) (**) 220607

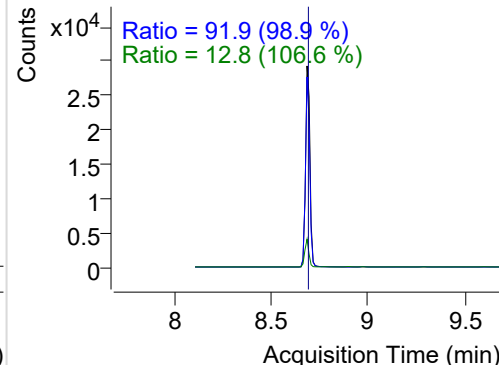


LSS-D10-Fluorene

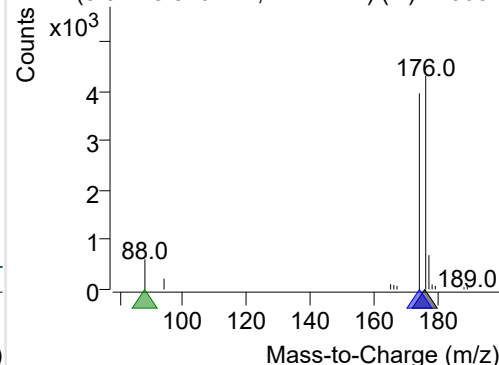
+ Selected Ion (176.0) 220607-PAHs-037.D



176.0, 174.0, 88.0

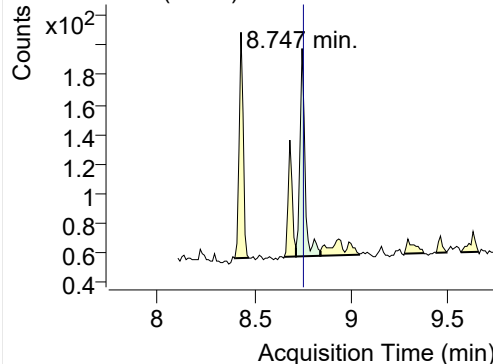


+ SIM (8.642-8.820 min, 17 scans) (**) 220607

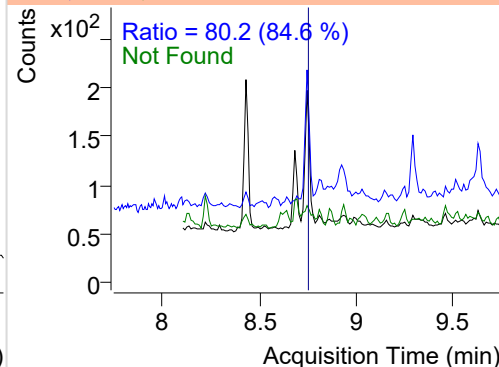


Fluorene

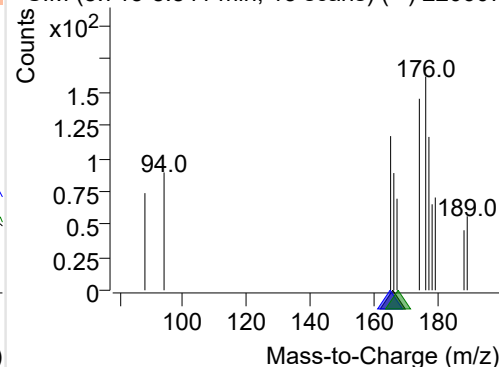
+ Selected Ion (166.0) 220607-PAHs-037.D



166.0, 165.0, 167.0

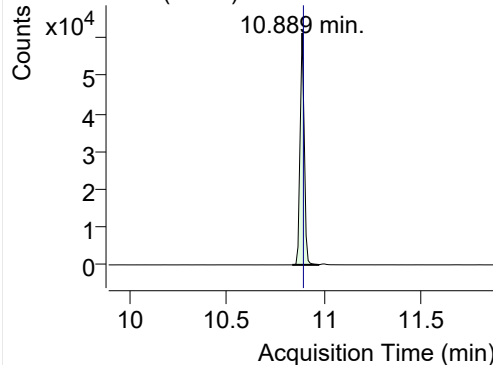


+ SIM (8.715-8.841 min, 13 scans) (**) 220607

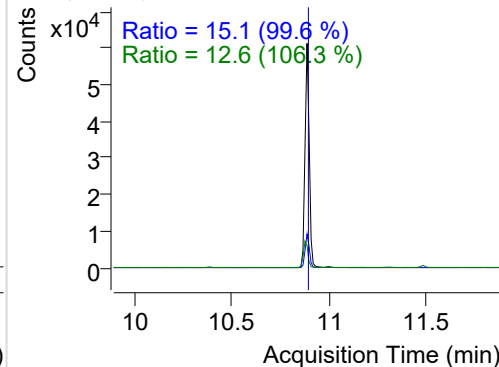


IS-D10-Phenanthrene

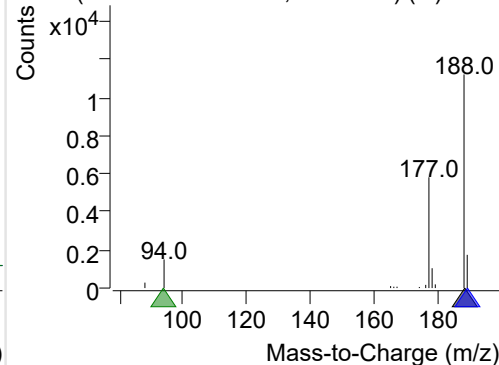
+ Selected Ion (188.0) 220607-PAHs-037.D



188.0, 189.0, 94.0

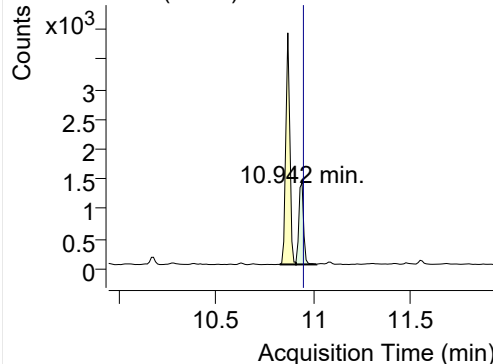


+ SIM (10.838-10.973 min, 13 scans) (**) 2206

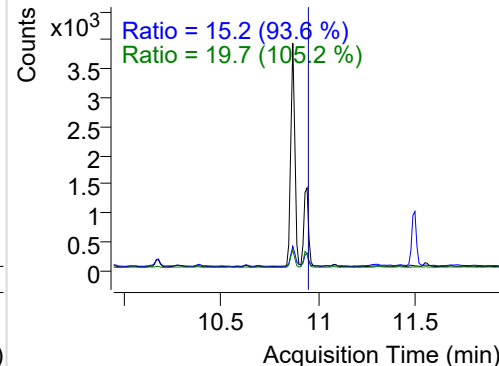


Phenanthrene

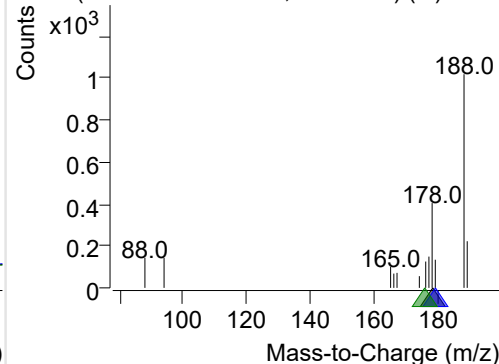
+ Selected Ion (178.0) 220607-PAHs-037.D



178.0, 179.0, 176.0

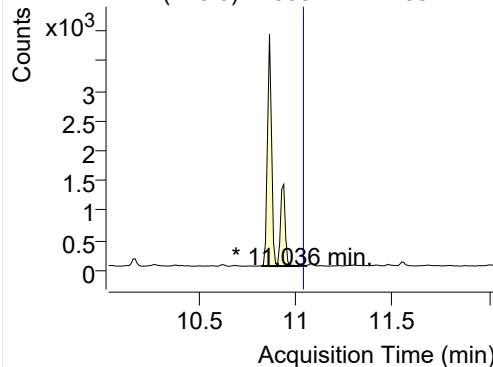


+ SIM (10.910-11.015 min, 11 scans) (**) 2206

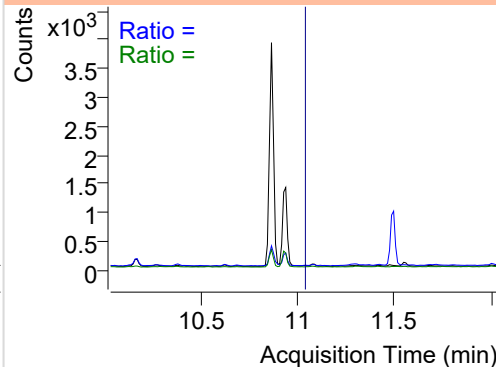


Anthracene

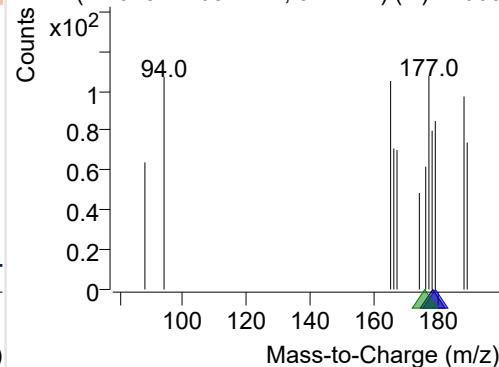
+ Selected Ion (178.0) 220607-PAHs-037.D



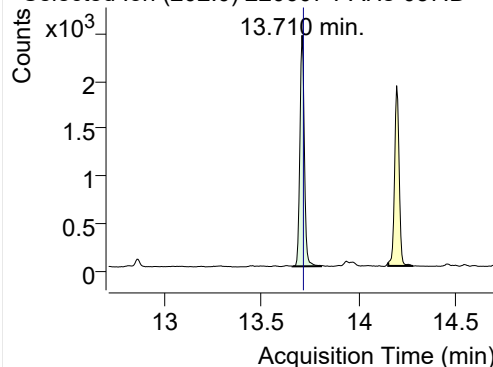
178.0, 179.0, 176.0



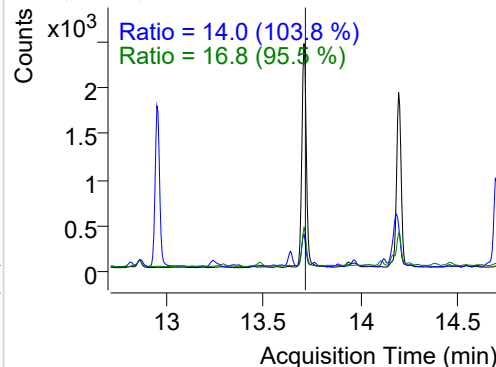
+ SIM (11.015-11.057 min, 5 scans) (**) 22060

**Fluoranthene**

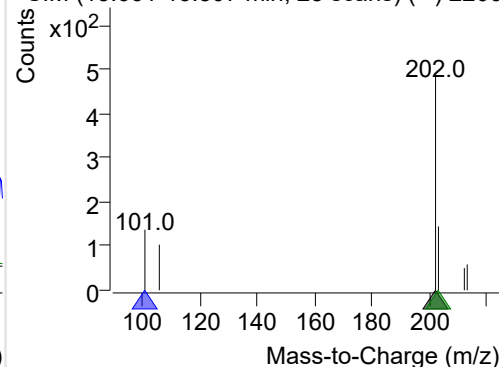
+ Selected Ion (202.0) 220607-PAHs-037.D



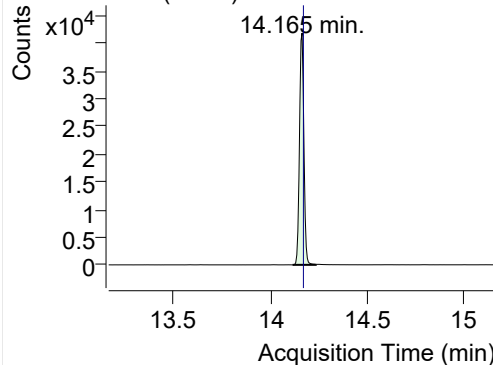
202.0, 101.0, 203.0



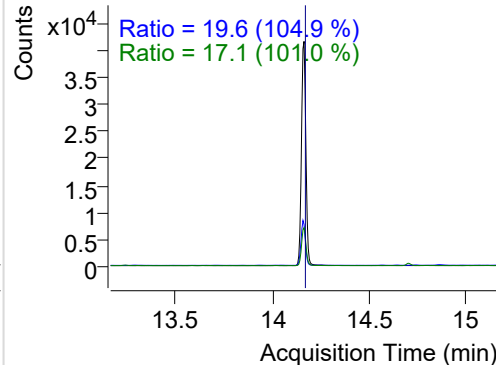
+ SIM (13.661-13.807 min, 28 scans) (**) 2206

**LSS-D10-Pyrene**

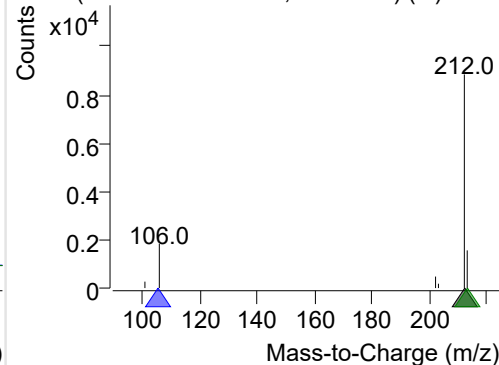
+ Selected Ion (212.0) 220607-PAHs-037.D



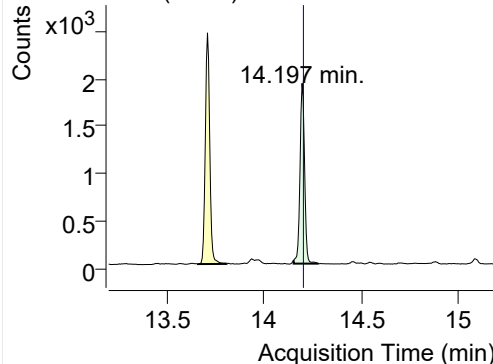
212.0, 106.0, 213.0



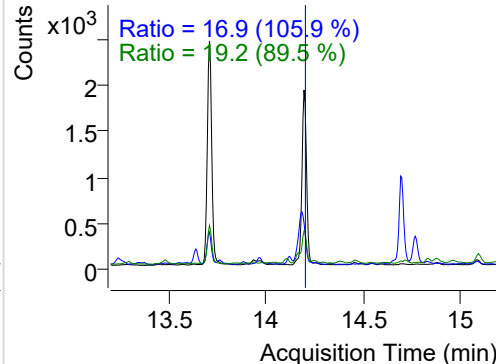
+ SIM (14.116-14.235 min, 23 scans) (**) 2206

**Pyrene**

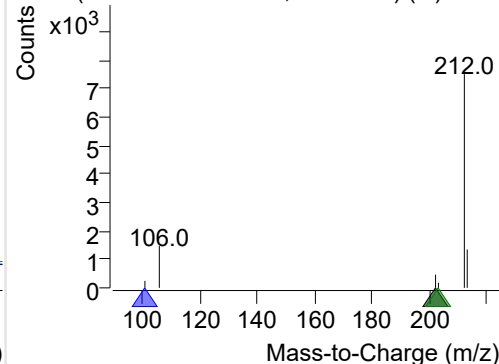
+ Selected Ion (202.0) 220607-PAHs-037.D



202.0, 101.0, 203.0



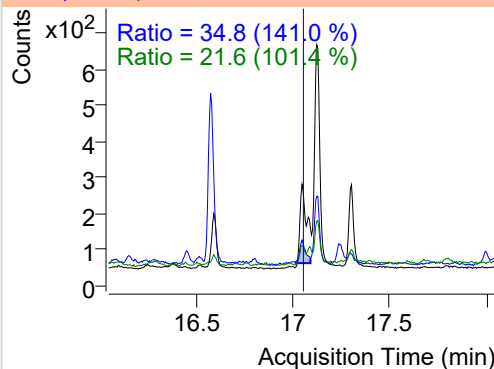
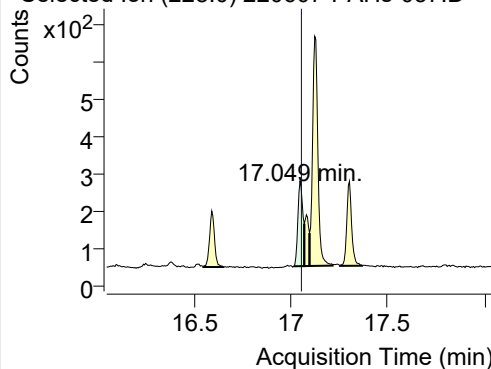
+ SIM (14.154-14.282 min, 24 scans) (**) 2206



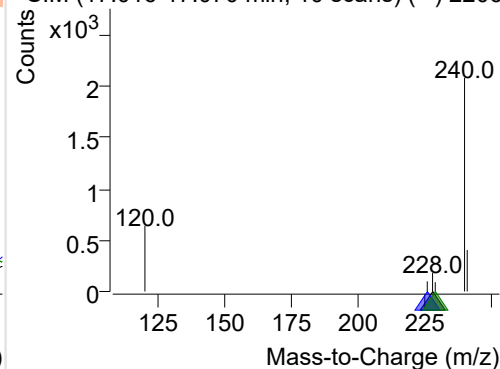
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-037.D

228.0, 226.0, 229.0

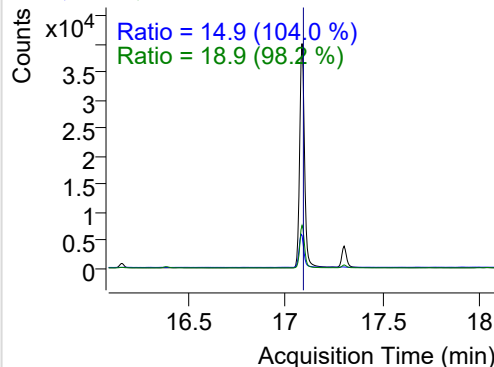
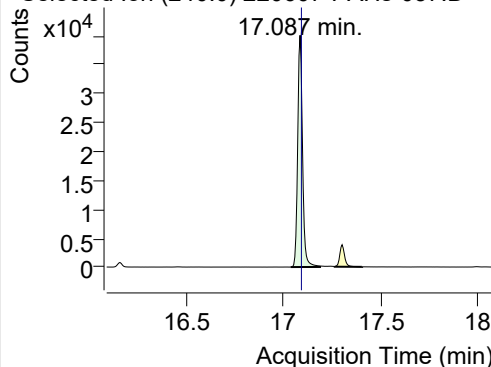


+ SIM (17.016-17.070 min, 10 scans) (**) 2206

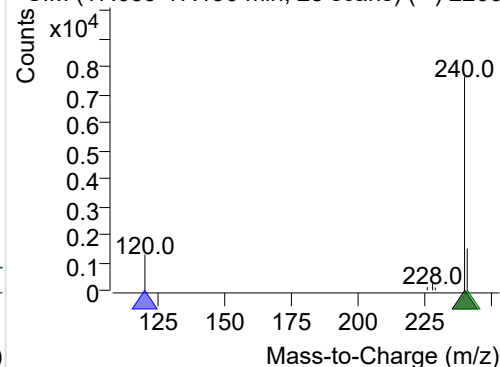
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-037.D

240.0, 120.0, 241.0

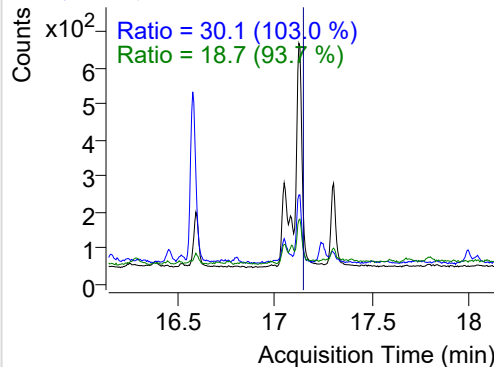
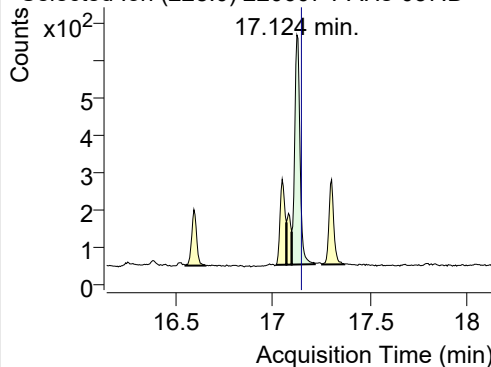


+ SIM (17.039-17.190 min, 28 scans) (**) 2206

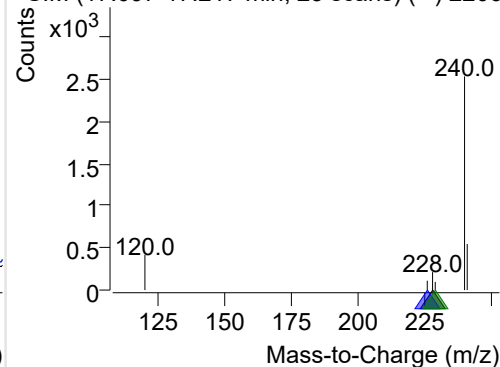
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-037.D

228.0, 226.0, 229.0

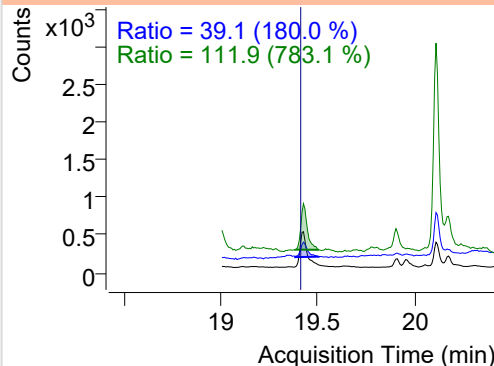
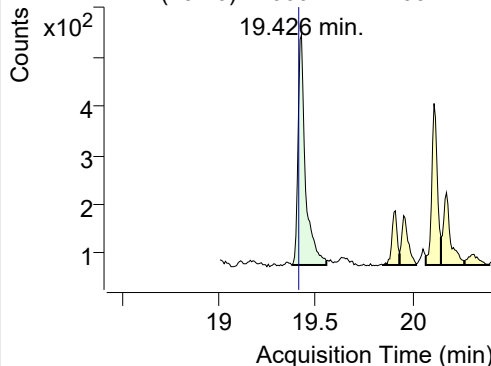


+ SIM (17.097-17.217 min, 23 scans) (**) 2206

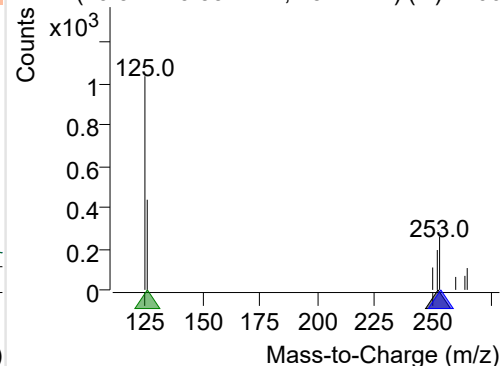
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-037.D

252.0, 253.0, 126.0



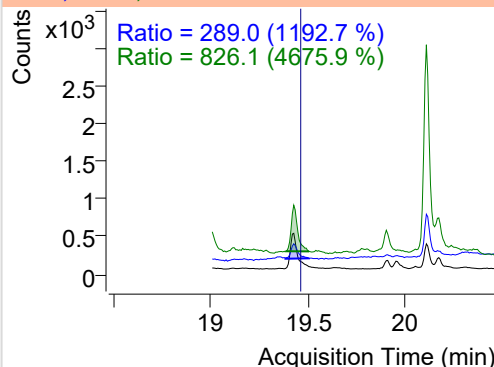
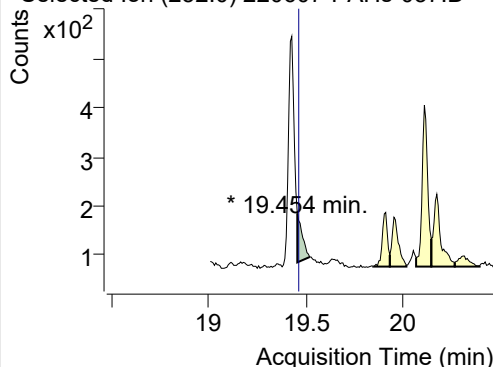
+ SIM (19.377-19.554 min, 25 scans) (**) 2206



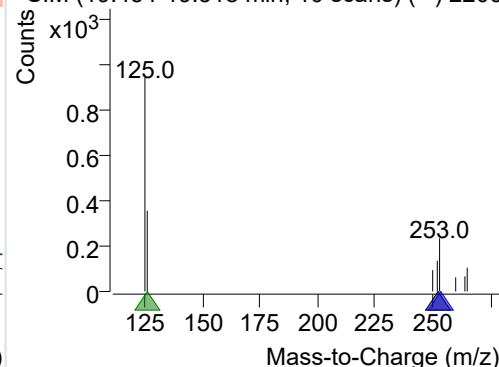
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-037.D

252.0, 253.0, 126.0

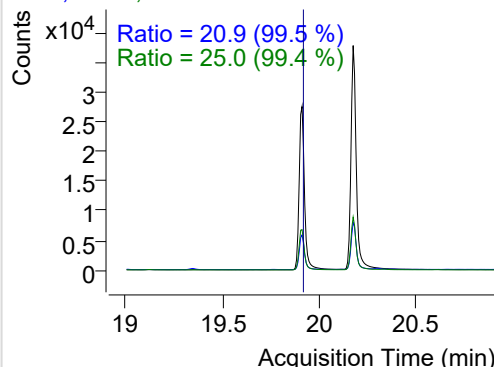
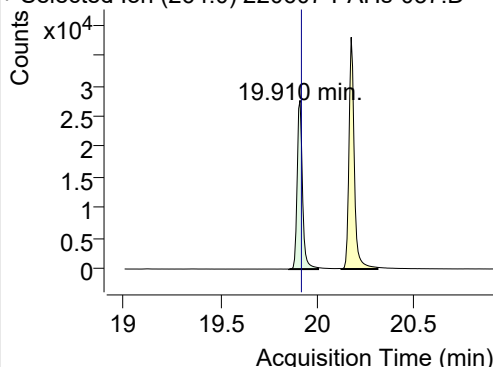


+ SIM (19.454-19.518 min, 10 scans) (**) 2206

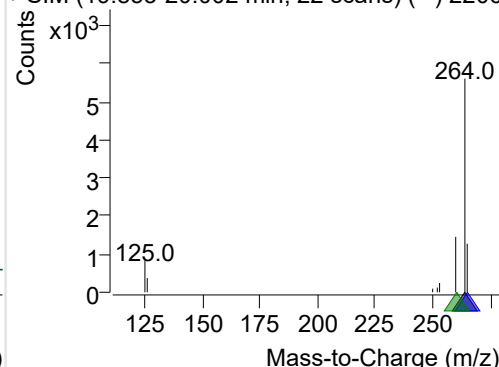
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-037.D

264.0, 265.0, 260.0

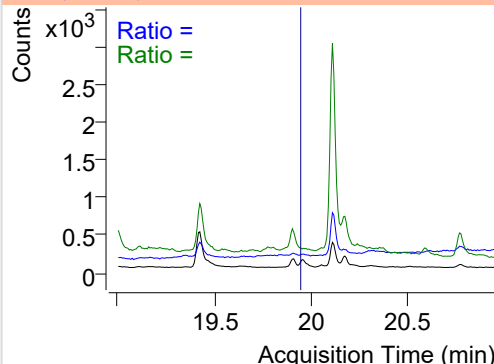
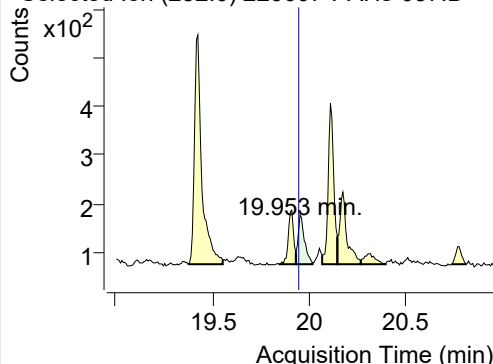


+ SIM (19.853-20.002 min, 22 scans) (**) 2206

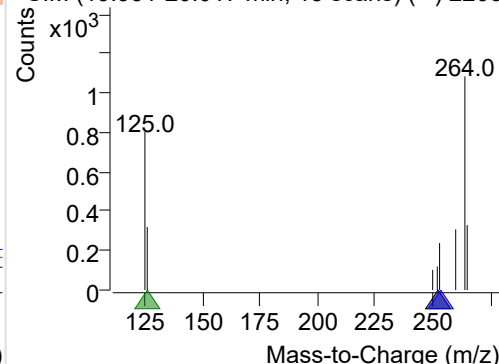
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-037.D

252.0, 253.0, 126.0

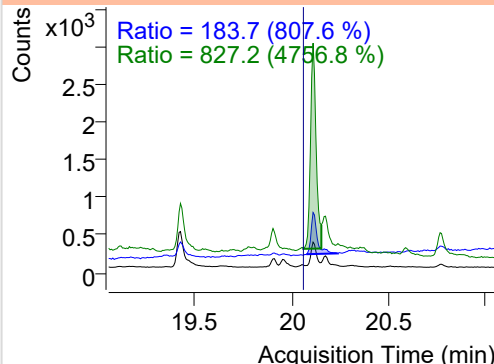
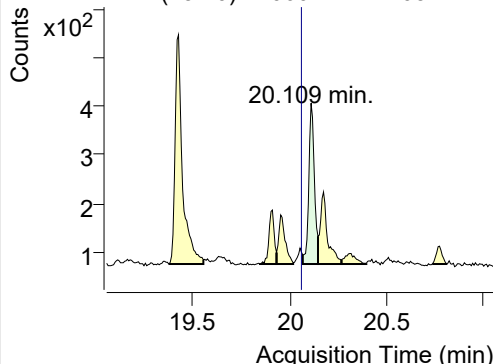


+ SIM (19.931-20.017 min, 13 scans) (**) 2206

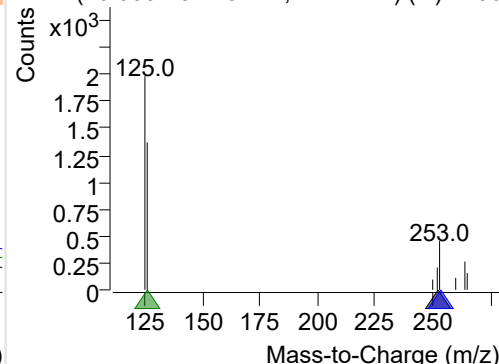
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-037.D

252.0, 253.0, 126.0

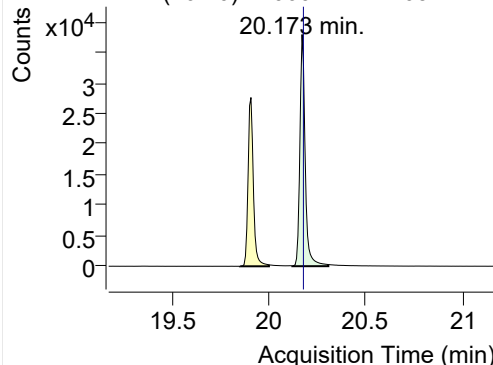


+ SIM (20.066-20.145 min, 12 scans) (**) 2206

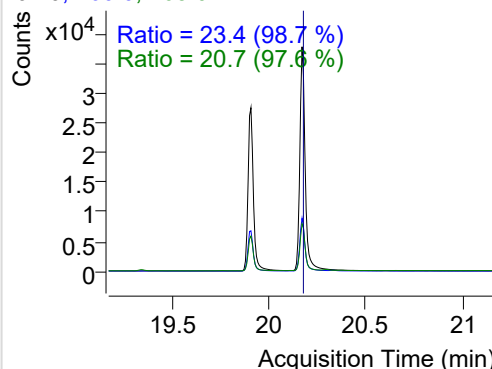


IS-D12-Perylene

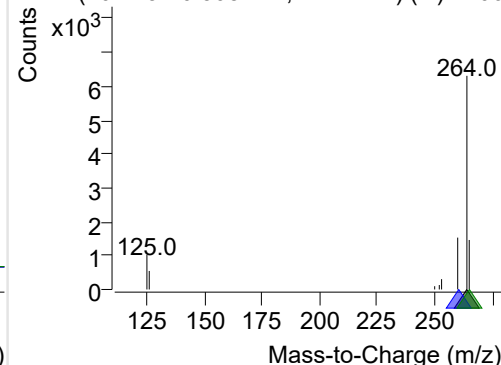
+ Selected Ion (264.0) 220607-PAHs-037.D



264.0, 260.0, 265.0

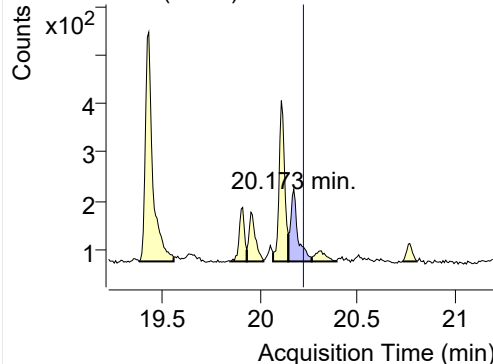


+ SIM (20.123-20.308 min, 27 scans) (**) 2206

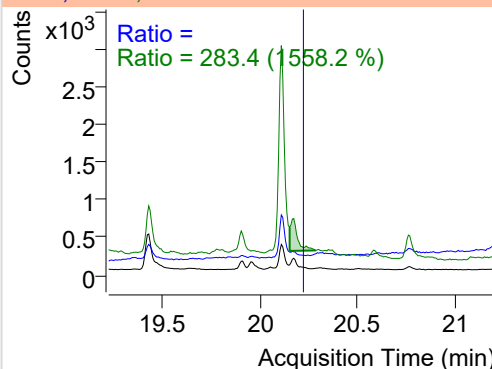


Perylene

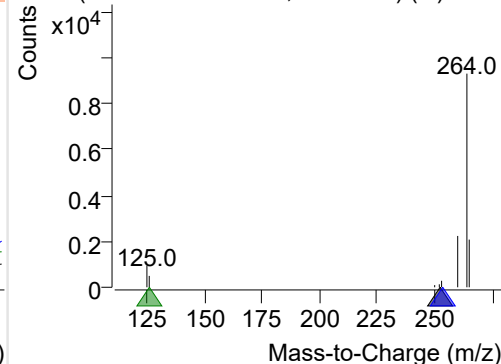
+ Selected Ion (252.0) 220607-PAHs-037.D



252.0, 253.0, 126.0

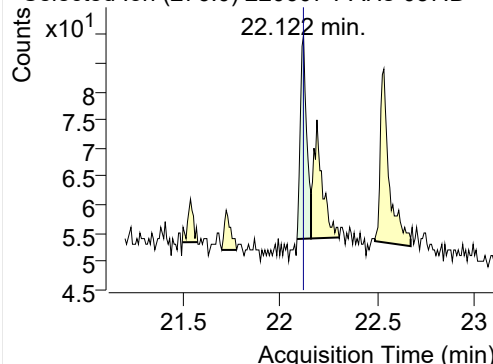


+ SIM (20.145-20.266 min, 18 scans) (**) 2206

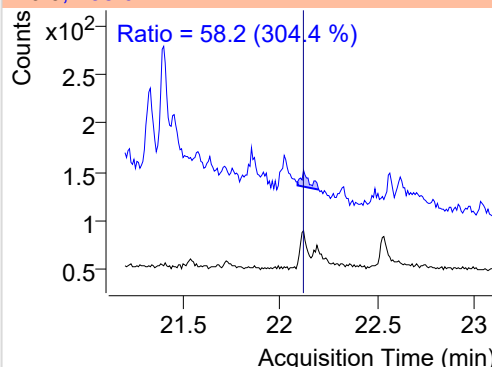


Indeno(1,2,3-c,d)pyrene

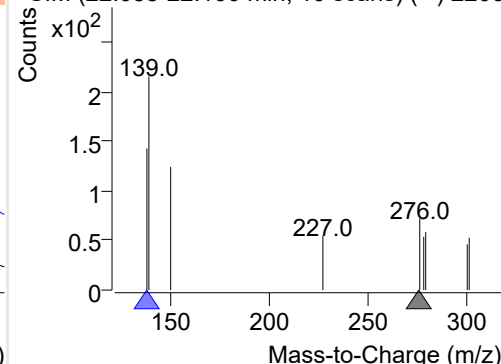
+ Selected Ion (276.0) 220607-PAHs-037.D



276.0, 138.0

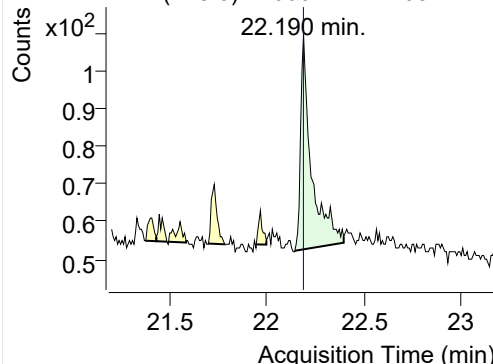


+ SIM (22.088-22.160 min, 10 scans) (**) 2206

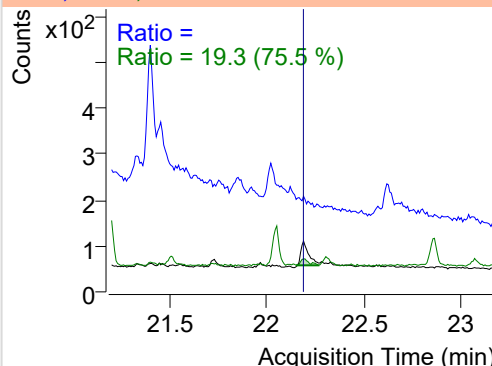


Dibenz(a,h)anthracene

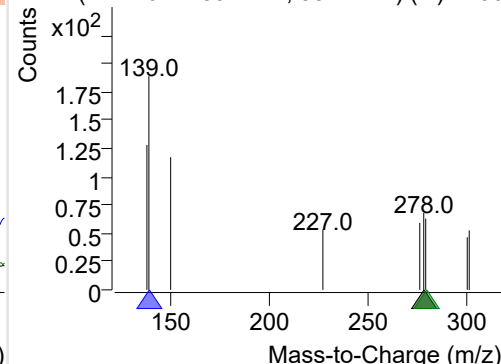
+ Selected Ion (278.0) 220607-PAHs-037.D



278.0, 139.0, 279.0

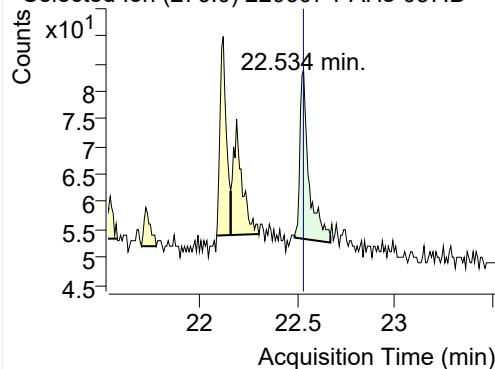


+ SIM (22.146-22.397 min, 33 scans) (**) 2206

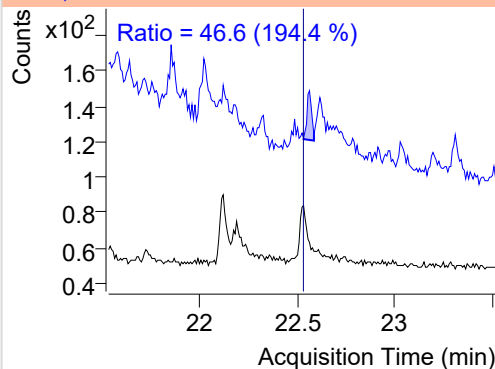


Benzo(g,h,i)perylene

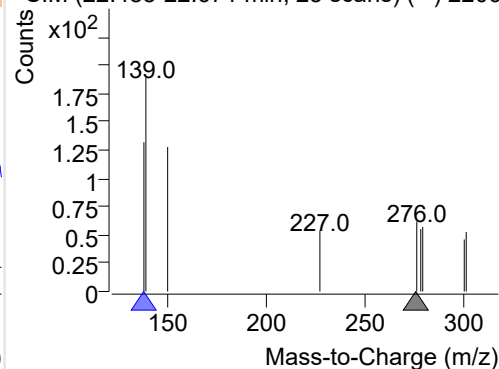
+ Selected Ion (276.0) 220607-PAHs-037.D



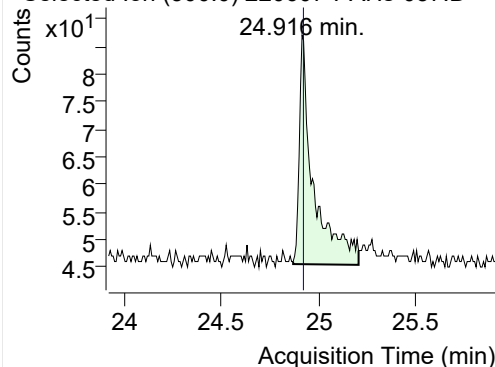
276.0, 138.0



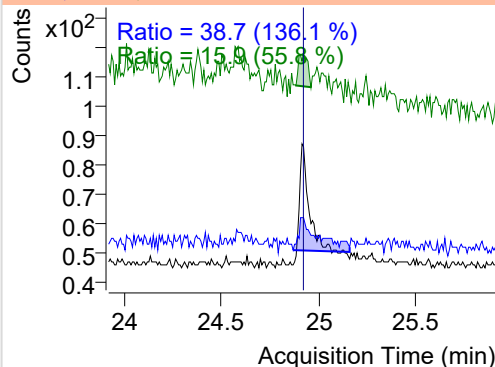
+ SIM (22.488-22.671 min, 25 scans) (**) 2206

**Coronene**

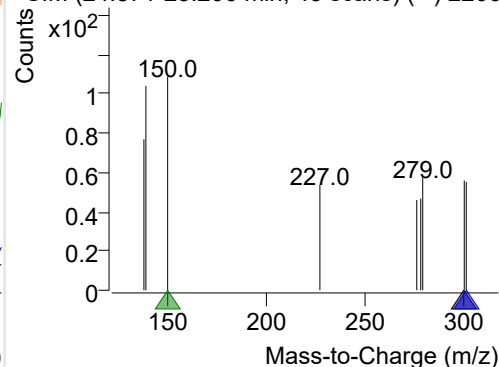
+ Selected Ion (300.0) 220607-PAHs-037.D



300.0, 301.0, 150.0



+ SIM (24.871-25.206 min, 45 scans) (**) 2206



Quantitative Analysis Sample Based Report

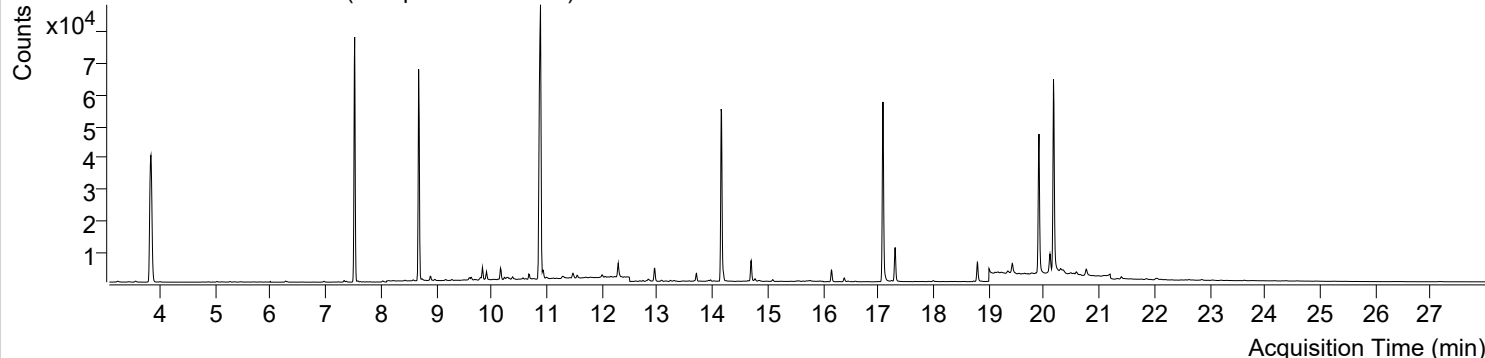


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 5:10:34	Data File	220607-PAHs-038.D
Type	Sample	Name	Sample-PM-220523
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

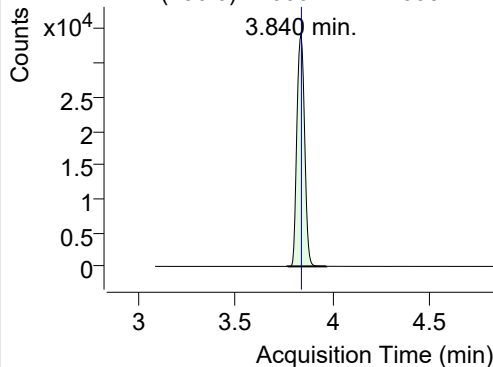
+ TIC SIM 220607-PAHs-038.D (Sample-PM-220523)



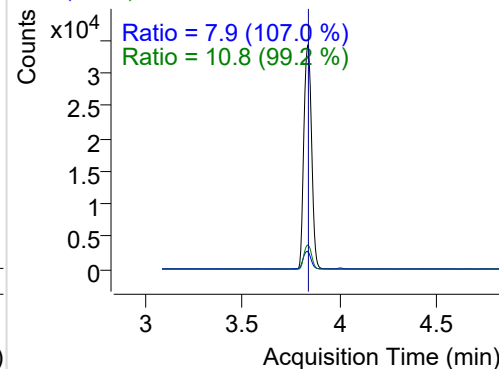
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.840	136.0	94562	34191.46	ND ng/ml	10.8
Naphthalene	3.867	128.0	450	162.59	ND ng/ml	11.0
Acenaphthylene	7.165	152.0	29	19.06	ND ng/ml	70.4
IS-D10-Acenaphthene	7.526	164.0	55036	37769.25	ND ng/ml	95.2
Acenaphthene	7.591	154.0	141	90.47	ND ng/ml	107.9
LSS-D10-Fluorene	8.684	176.0	45583	29861.13	ND ng/ml	92.3
Fluorene	8.747	166.0	323	202.09	ND ng/ml	93.8
IS-D10-Phenanthrene	10.889	188.0	97797	65693.51	ND ng/ml	15.0
Phenanthrene	10.942	178.0	2516	1560.30	ND ng/ml	18.7
Anthracene	11.026	178.0	51	48.51	ND ng/ml	
Fluoranthene	13.710	202.0	2759	1738.14	ND ng/ml	18.6
LSS-D10-Pyrene	14.160	212.0	65901	39859.24	ND ng/ml	19.7
Pyrene	14.197	202.0	2360	1472.84	ND ng/ml	18.9
Benz(a)anthracene	17.087	228.0	240	117.21	ND ng/ml	
IS-D12-Chrysene	17.087	240.0	73820	42948.93	ND ng/ml	18.8
Chrysene	17.125	228.0	658	357.36	ND ng/ml	29.3
Benzo(b)fluoranthene	19.426	252.0	449	170.94	ND ng/ml	122.5
Benzo(k)fluoranthene	19.454	252.0	82	58.02	ND ng/ml	670.5
SS-D12-Benzo(e)pyrene	19.910	264.0	53416	30186.00	ND ng/ml	25.2
Benzo(e)pyrene	19.981	252.0	132	54.61	ND ng/ml	
Benzo(a)pyrene	20.109	252.0	600	288.44	ND ng/ml	175.0
IS-D12-Perylene	20.173	264.0	76554	42121.66	ND ng/ml	23.8
Perylene	20.173	252.0	383	163.86	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	22.122	276.0	74	32.64	ND ng/ml	340.7
Dibenz(a,h)anthracene	22.191	278.0	121	45.86	ND ng/ml	26.5
Benzo(g,h,i)perylene	22.534	276.0	60	25.41	ND ng/ml	104.7
Coronene	24.924	300.0	151	32.89	ND ng/ml	21.0

IS-D8-Naphthalene

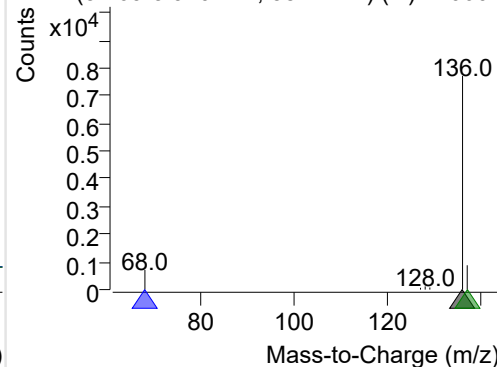
+ Selected Ion (136.0) 220607-PAHs-038.D



136.0, 68.0, 137.0

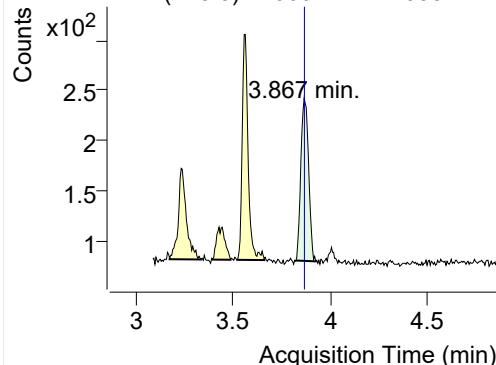


+ SIM (3.769-3.970 min, 38 scans) (**) 220607

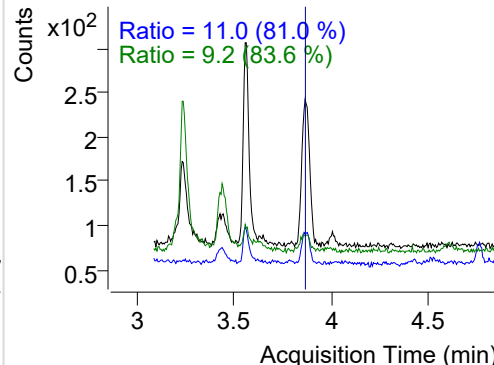


Naphthalene

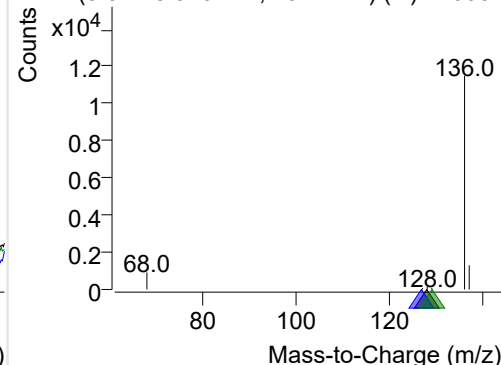
+ Selected Ion (128.0) 220607-PAHs-038.D



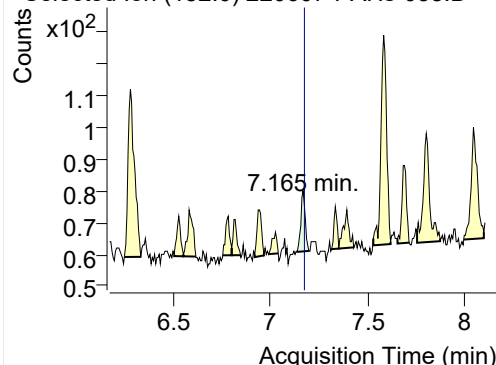
128.0, 127.0, 129.0



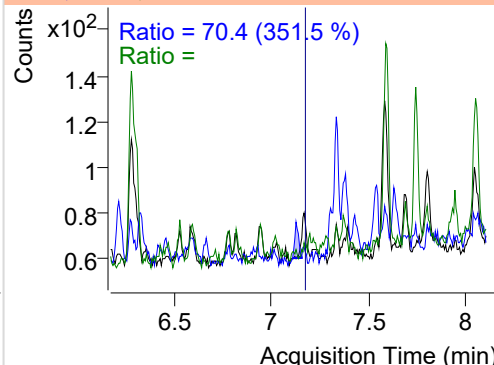
+ SIM (3.824-3.926 min, 19 scans) (**) 220607

**Acenaphthylene**

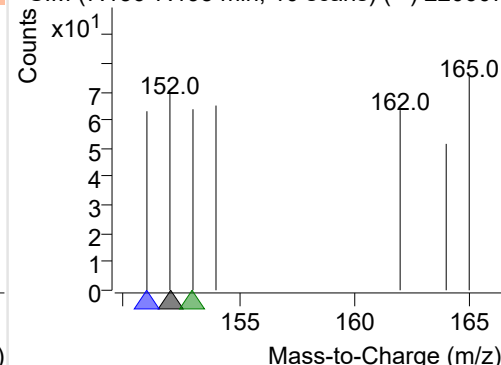
+ Selected Ion (152.0) 220607-PAHs-038.D



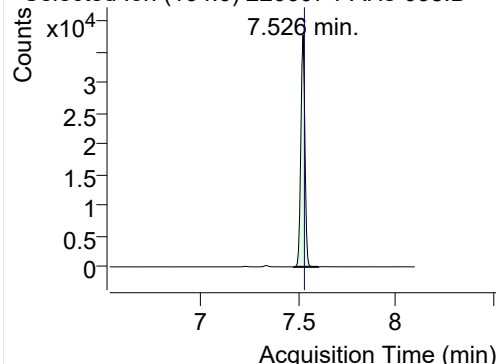
152.0, 151.0, 153.0



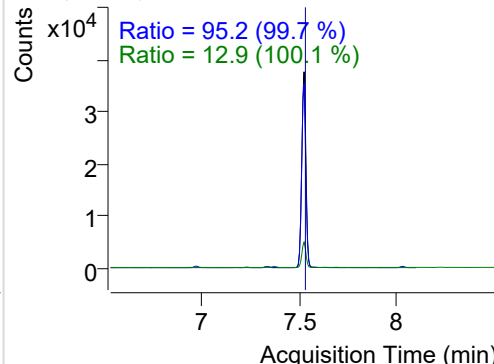
+ SIM (7.136-7.195 min, 10 scans) (**) 220607

**IS-D10-Acenaphthene**

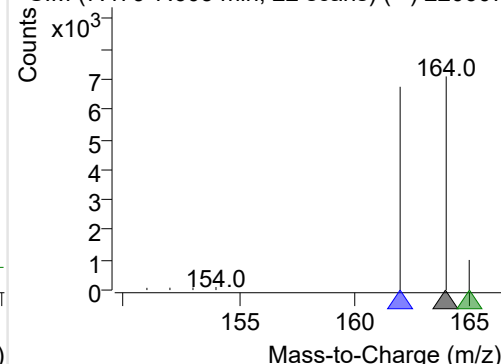
+ Selected Ion (164.0) 220607-PAHs-038.D



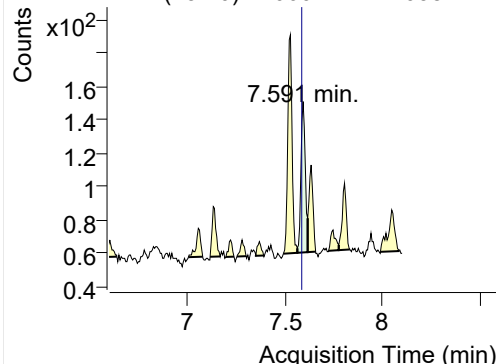
164.0, 162.0, 165.0



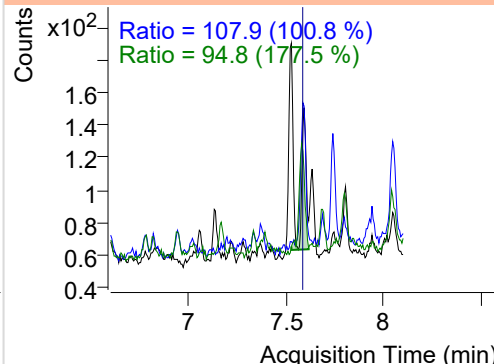
+ SIM (7.479-7.603 min, 22 scans) (**) 220607

**Acenaphthene**

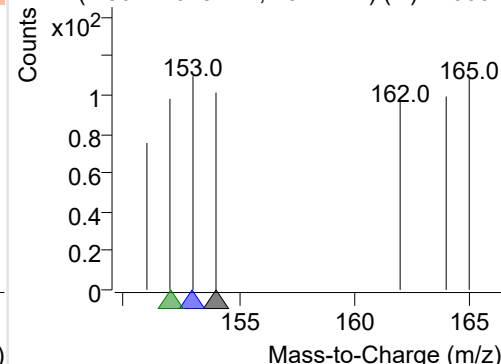
+ Selected Ion (154.0) 220607-PAHs-038.D



154.0, 153.0, 152.0

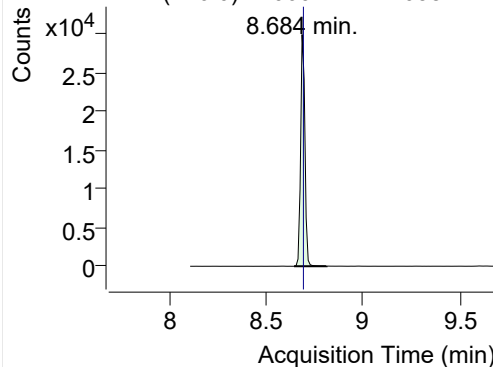


+ SIM (7.562-7.615 min, 10 scans) (**) 220607

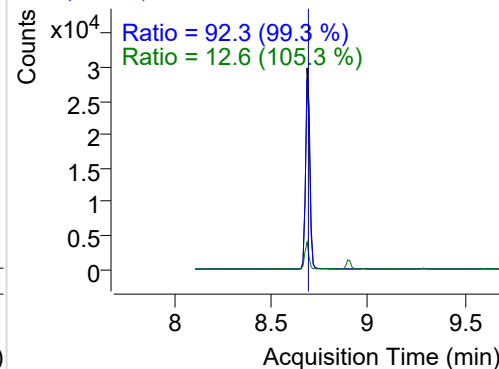


LSS-D10-Fluorene

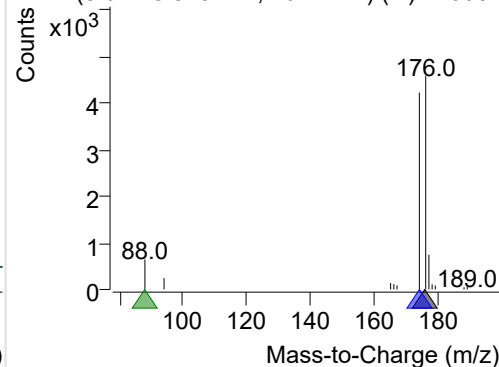
+ Selected Ion (176.0) 220607-PAHs-038.D



176.0, 174.0, 88.0

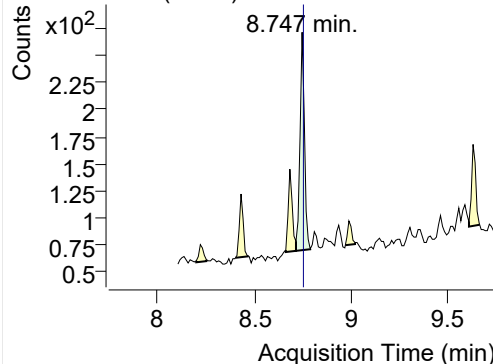


+ SIM (8.642-8.810 min, 16 scans) (**) 220607

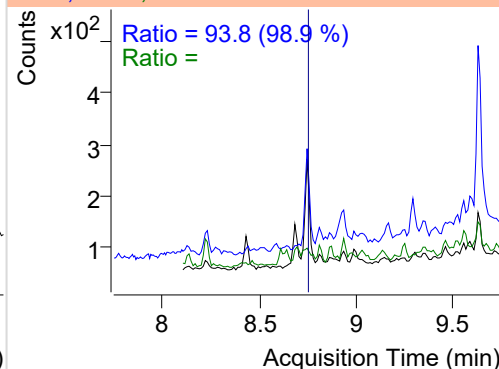


Fluorene

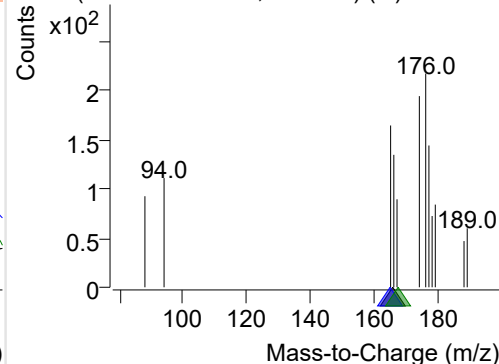
+ Selected Ion (166.0) 220607-PAHs-038.D



166.0, 165.0, 167.0

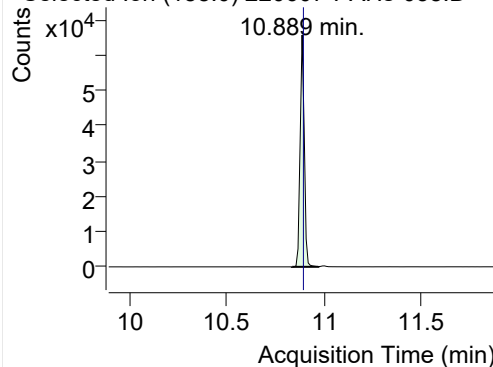


+ SIM (8.715-8.789 min, 8 scans) (**) 220607-I

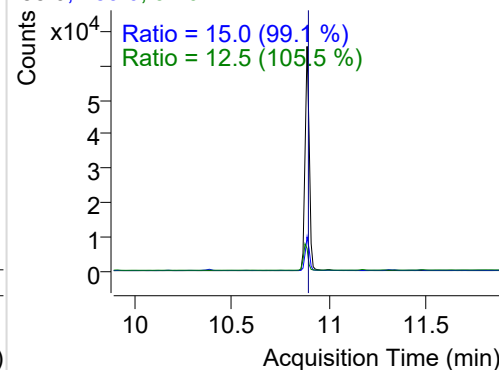


IS-D10-Phenanthrene

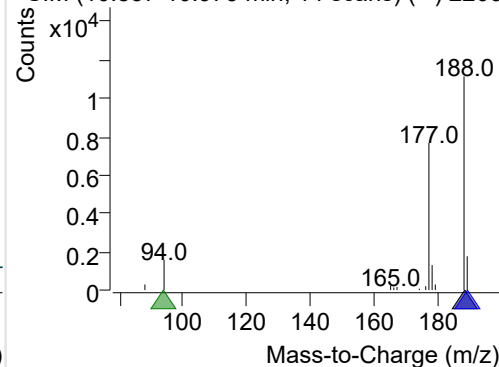
+ Selected Ion (188.0) 220607-PAHs-038.D



188.0, 189.0, 94.0

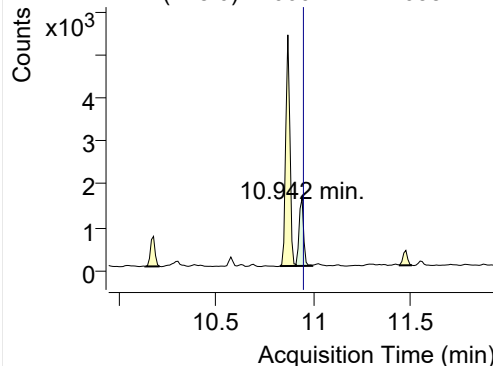


+ SIM (10.837-10.973 min, 14 scans) (**) 2206

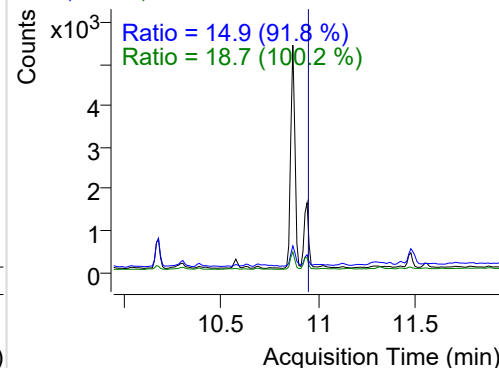


Phenanthrene

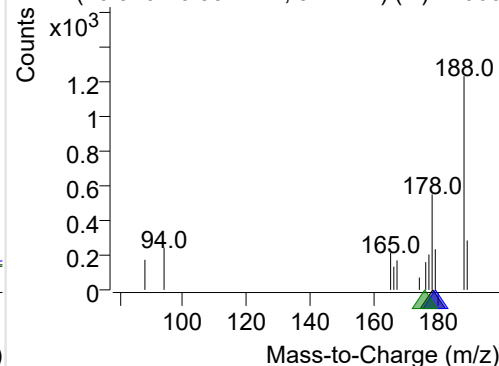
+ Selected Ion (178.0) 220607-PAHs-038.D



178.0, 179.0, 176.0

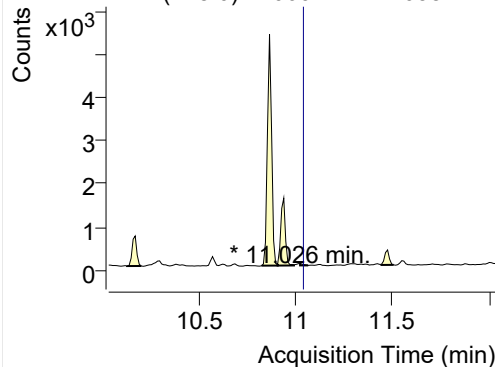


+ SIM (10.910-10.994 min, 9 scans) (**) 22060

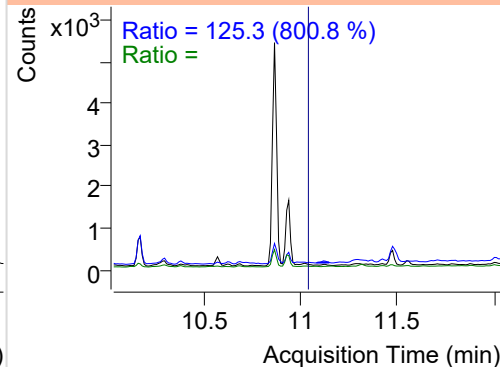


Anthracene

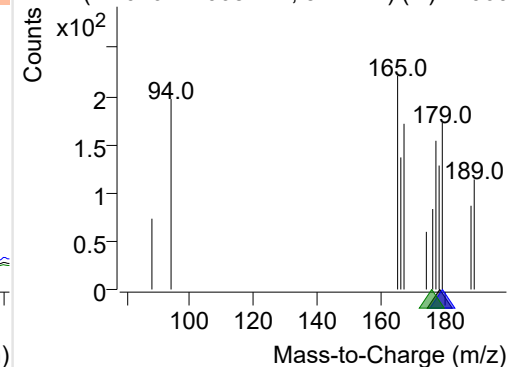
+ Selected Ion (178.0) 220607-PAHs-038.D



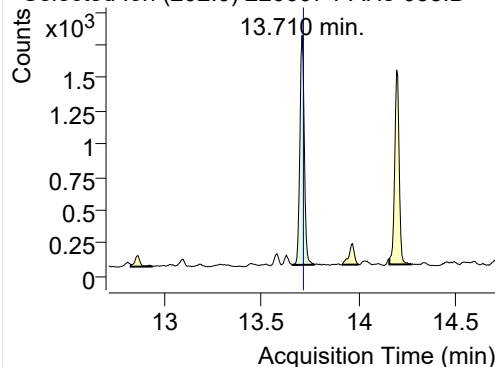
178.0, 179.0, 176.0



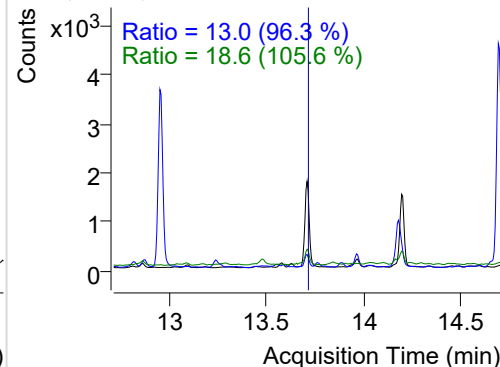
+ SIM (11.026-11.068 min, 5 scans) (**) 22060

**Fluoranthene**

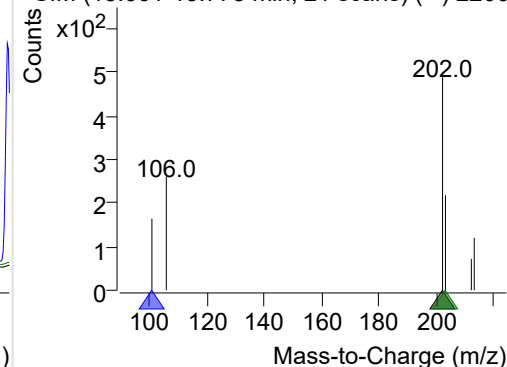
+ Selected Ion (202.0) 220607-PAHs-038.D



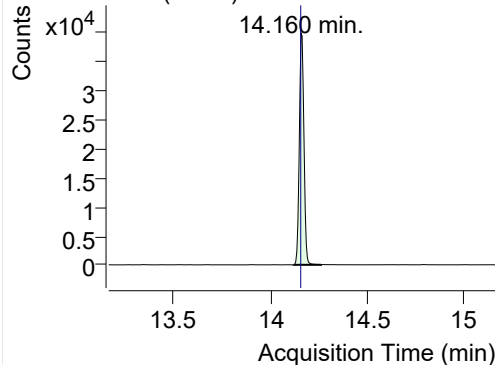
202.0, 101.0, 203.0



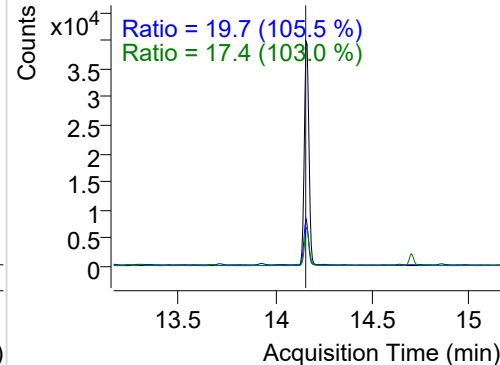
+ SIM (13.661-13.775 min, 21 scans) (**) 2206

**LSS-D10-Pyrene**

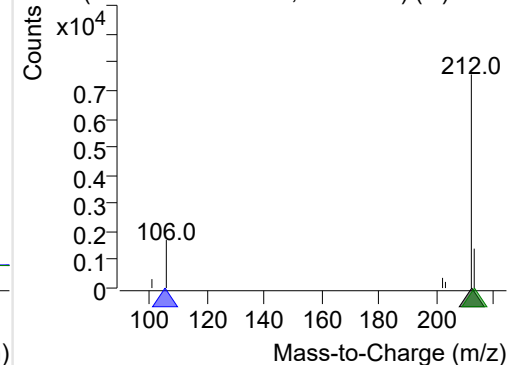
+ Selected Ion (212.0) 220607-PAHs-038.D



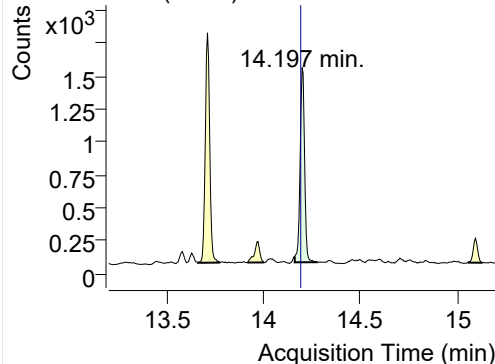
212.0, 106.0, 213.0



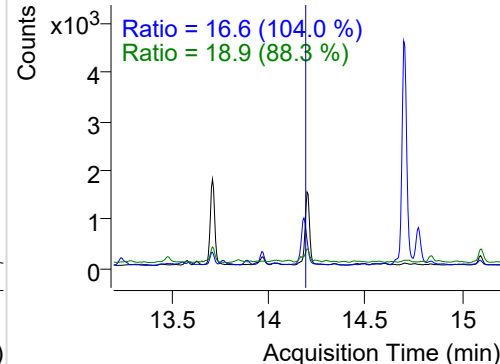
+ SIM (14.122-14.263 min, 27 scans) (**) 2206

**Pyrene**

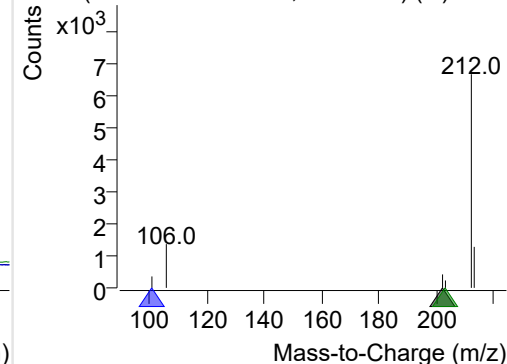
+ Selected Ion (202.0) 220607-PAHs-038.D



202.0, 101.0, 203.0



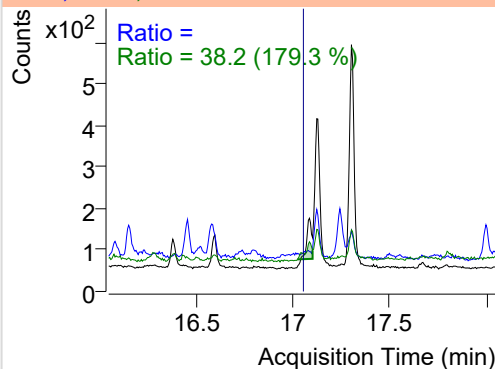
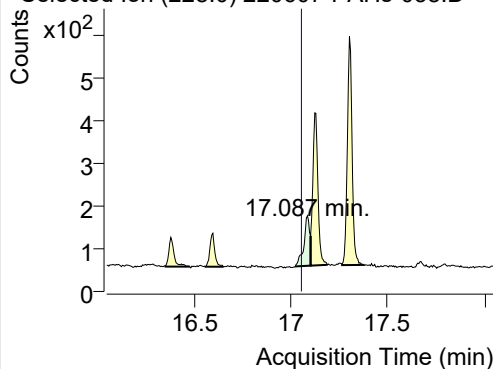
+ SIM (14.160-14.273 min, 22 scans) (**) 2206



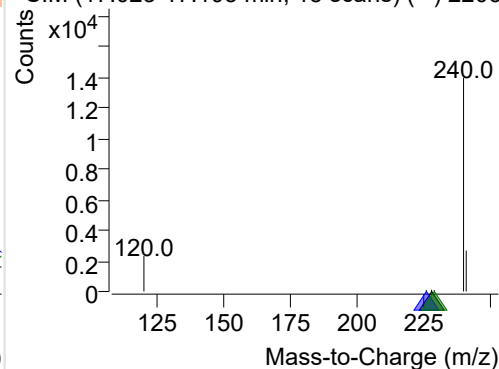
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-038.D

228.0, 226.0, 229.0

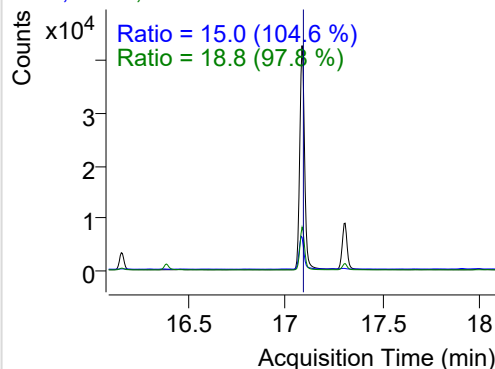
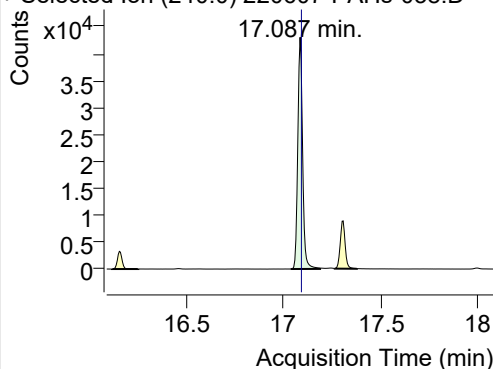


+ SIM (17.023-17.103 min, 15 scans) (**) 2206

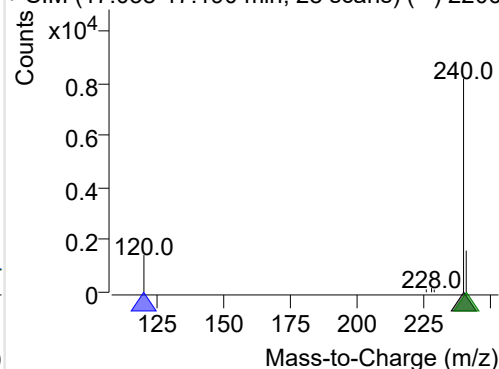
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-038.D

240.0, 120.0, 241.0

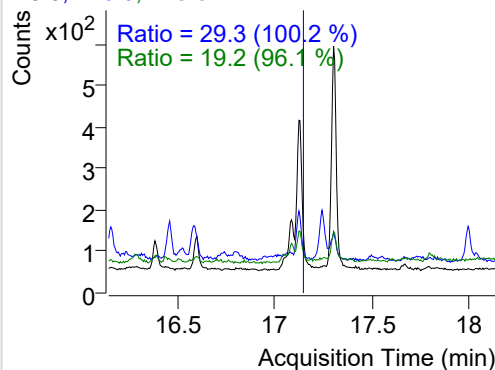
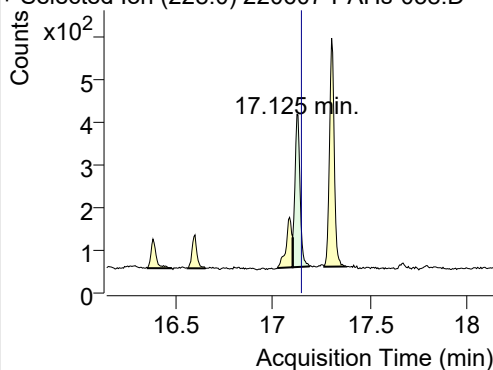


+ SIM (17.038-17.190 min, 28 scans) (**) 2206

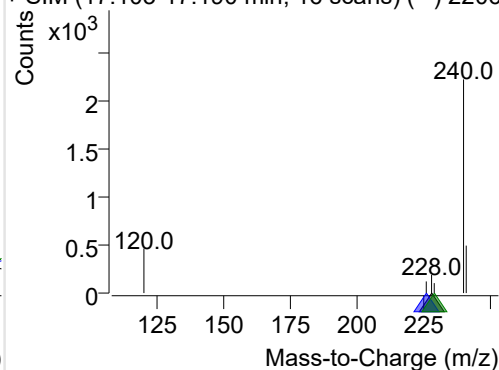
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-038.D

228.0, 226.0, 229.0

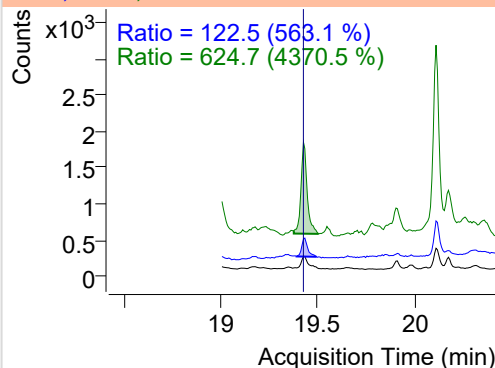
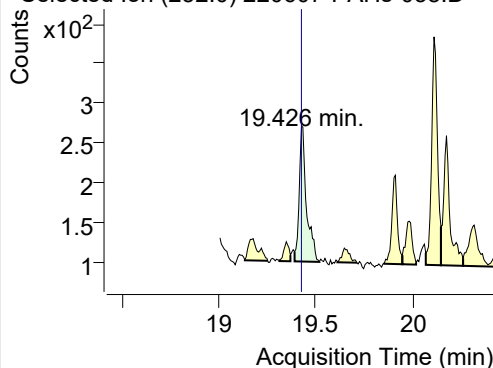


+ SIM (17.103-17.190 min, 16 scans) (**) 2206

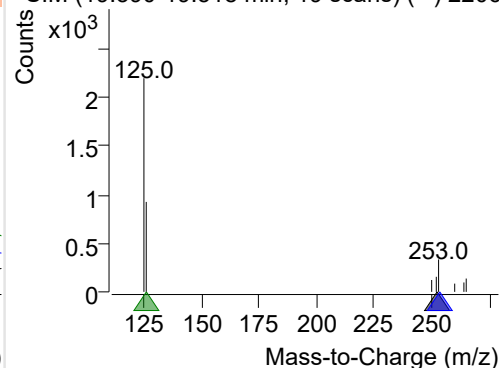
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-038.D

252.0, 253.0, 126.0



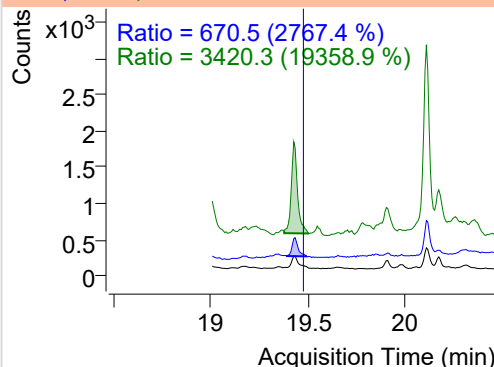
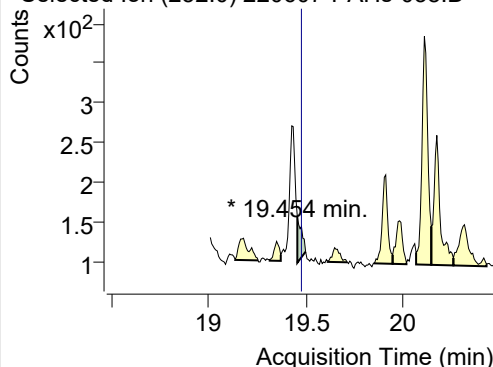
+ SIM (19.390-19.518 min, 19 scans) (**) 2206



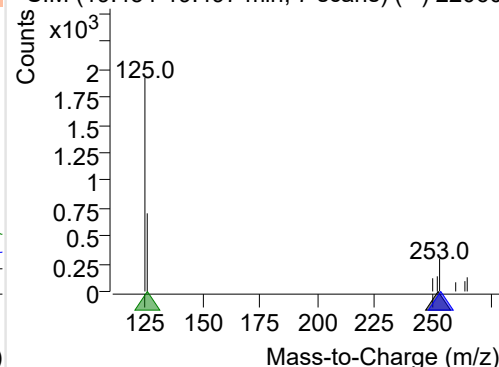
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-038.D

252.0, 253.0, 126.0

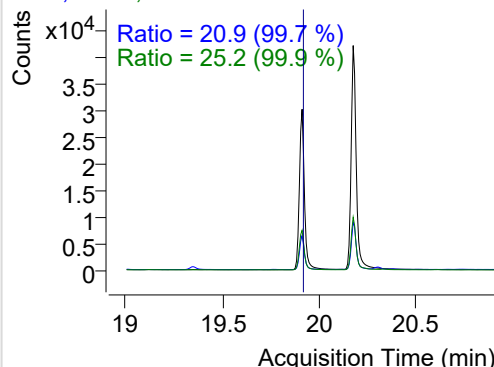
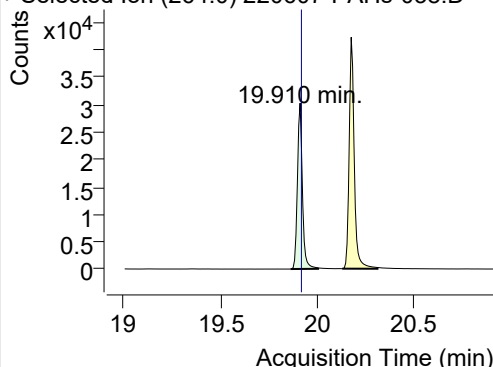


+ SIM (19.454-19.497 min, 7 scans) (**) 22060

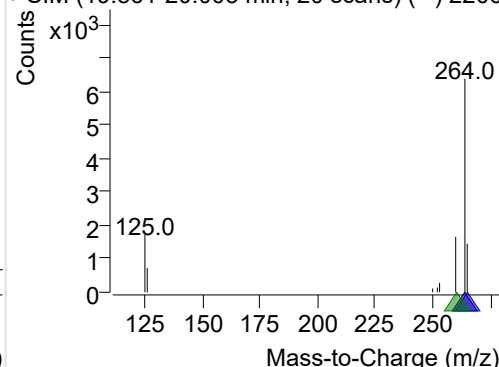
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-038.D

264.0, 265.0, 260.0

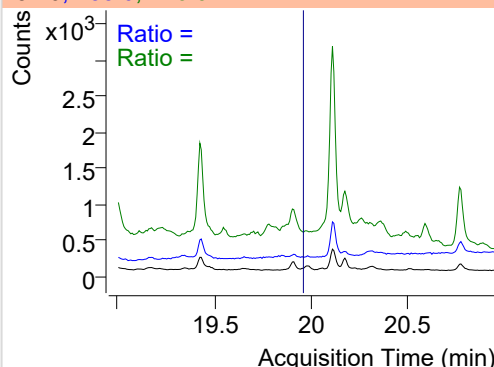
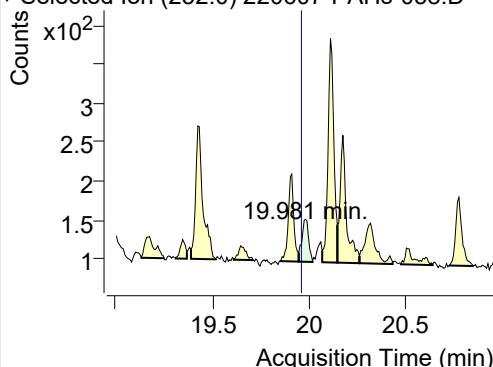


+ SIM (19.861-20.003 min, 20 scans) (**) 2206

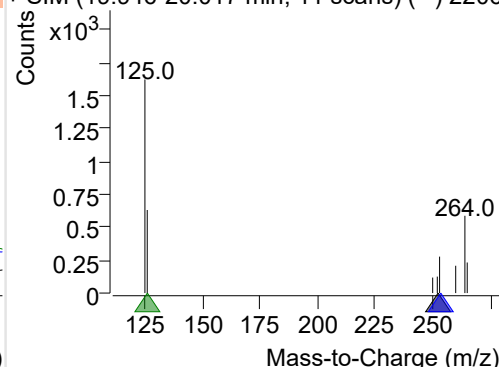
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-038.D

252.0, 253.0, 126.0

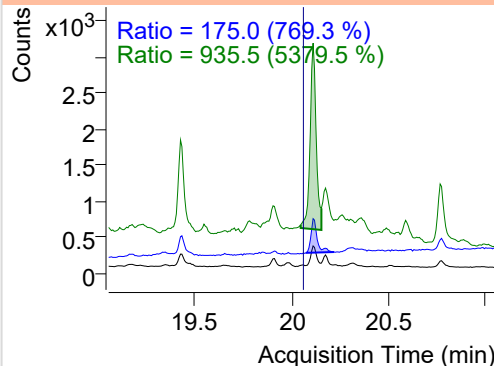
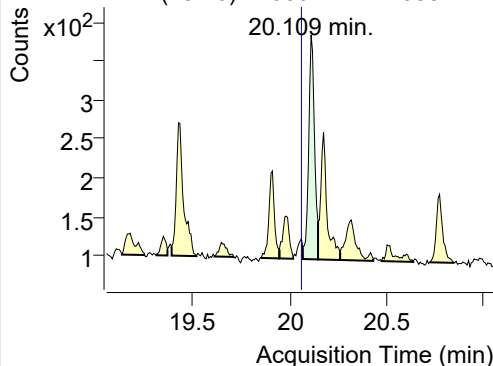


+ SIM (19.946-20.017 min, 11 scans) (**) 2206

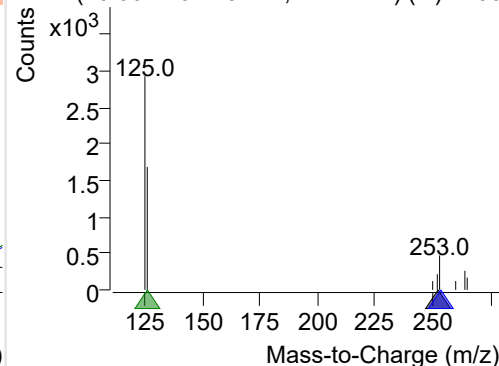
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-038.D

252.0, 253.0, 126.0

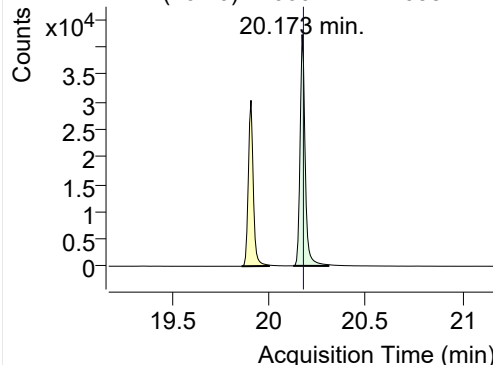


+ SIM (20.067-20.145 min, 12 scans) (**) 2206

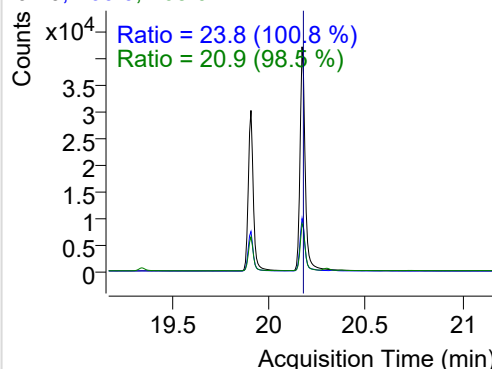


IS-D12-Perylene

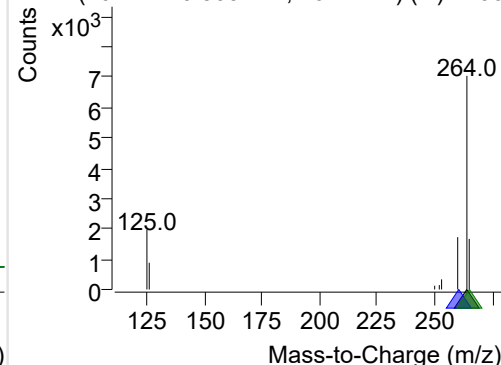
+ Selected Ion (264.0) 220607-PAHs-038.D



264.0, 260.0, 265.0

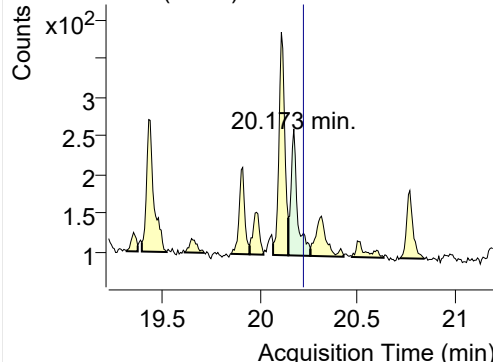


+ SIM (20.127-20.309 min, 26 scans) (**) 2206

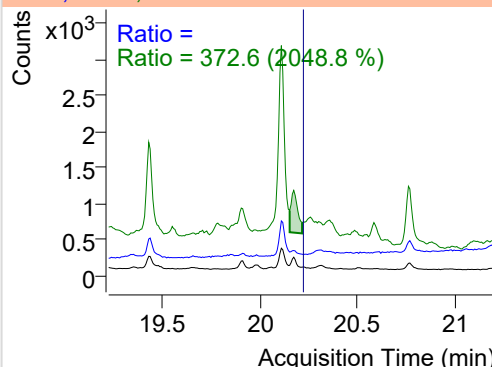


Perylene

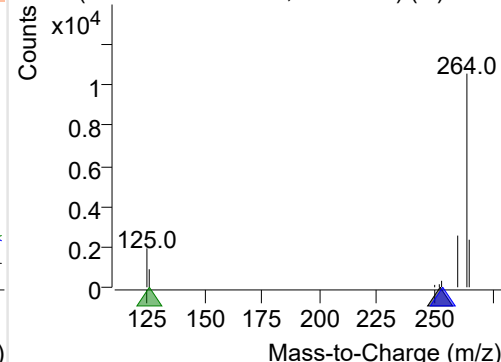
+ Selected Ion (252.0) 220607-PAHs-038.D



252.0, 253.0, 126.0

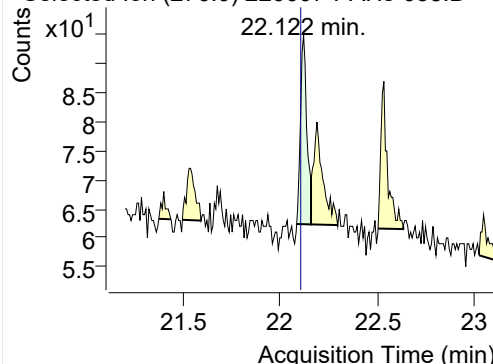


+ SIM (20.145-20.259 min, 17 scans) (**) 2206

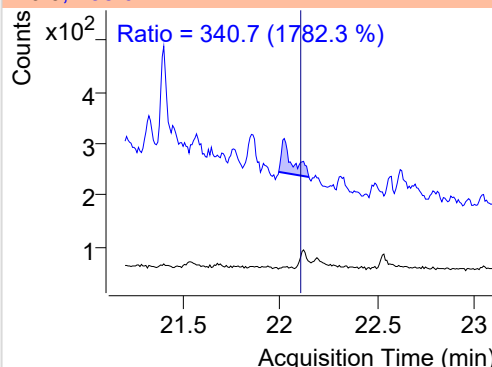


Indeno(1,2,3-c,d)pyrene

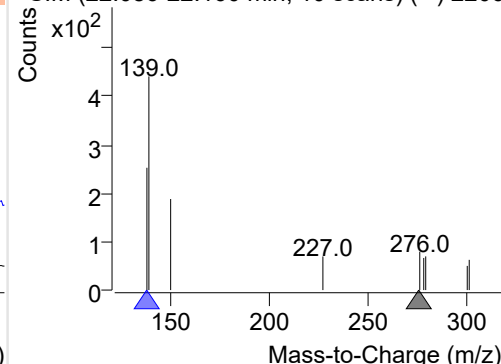
+ Selected Ion (276.0) 220607-PAHs-038.D



276.0, 138.0

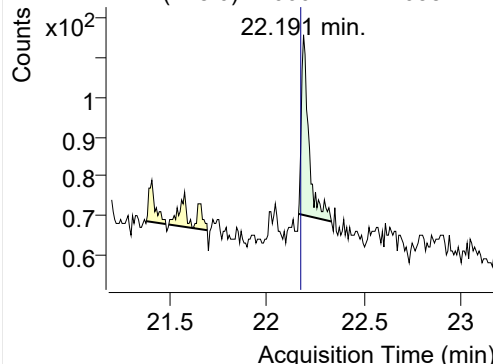


+ SIM (22.086-22.160 min, 10 scans) (**) 2206

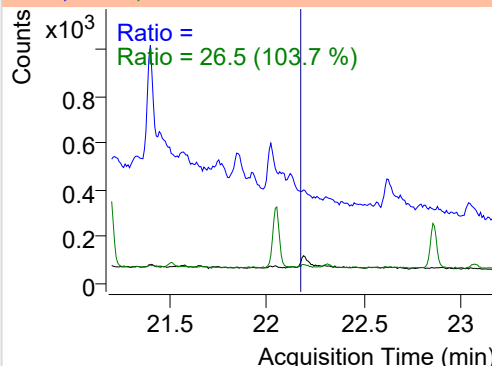


Dibenz(a,h)anthracene

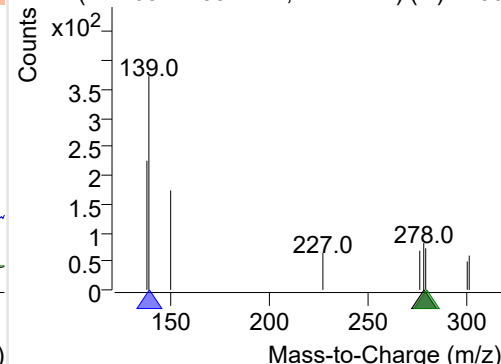
+ Selected Ion (278.0) 220607-PAHs-038.D



278.0, 139.0, 279.0



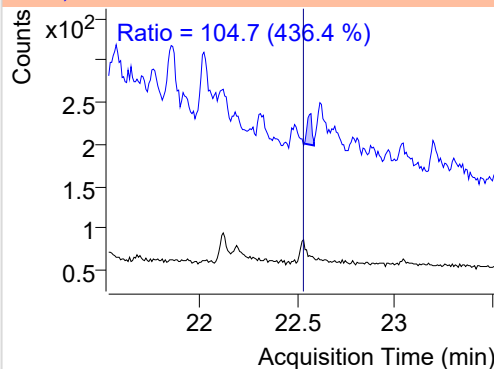
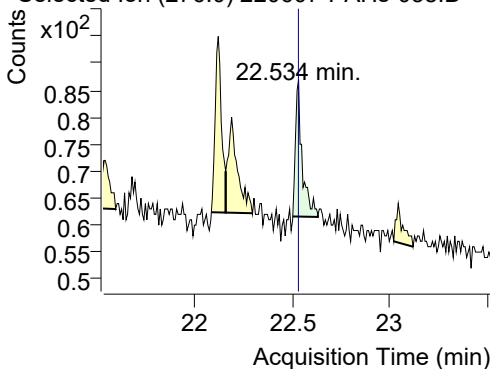
+ SIM (22.165-22.334 min, 22 scans) (**) 2206



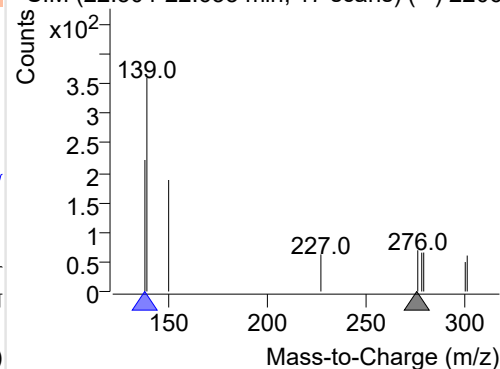
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-038.D

276.0, 138.0

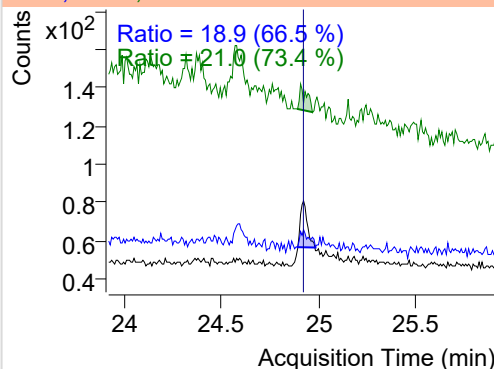
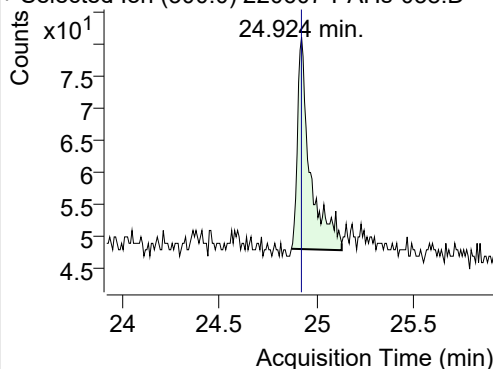


+ SIM (22.504-22.633 min, 17 scans) (**) 2206

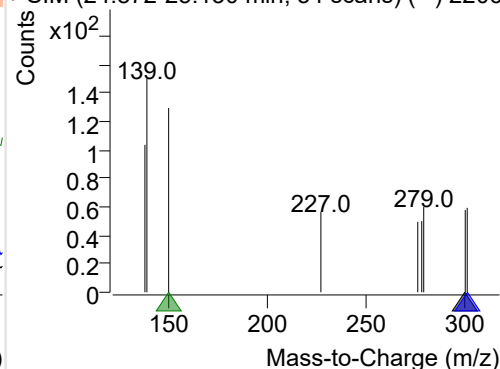
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-038.D

300.0, 301.0, 150.0



+ SIM (24.872-25.130 min, 34 scans) (**) 2206



Quantitative Analysis Sample Based Report

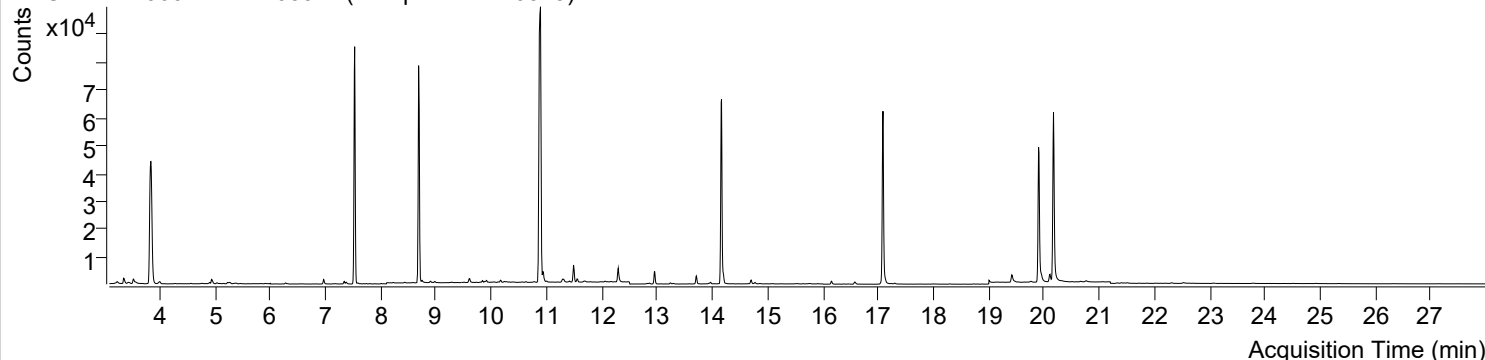


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 5:41:43	Data File	220607-PAHs-039.D
Type	Sample	Name	Sample-PM-220529
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

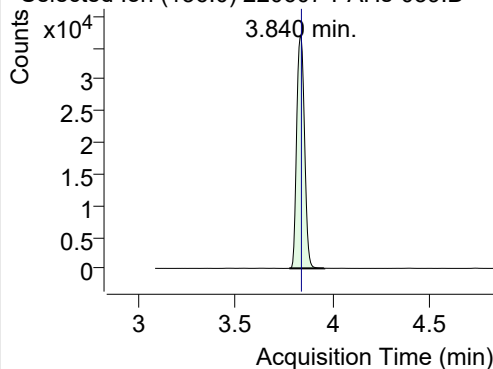
+ TIC SIM 220607-PAHs-039.D (Sample-PM-220529)



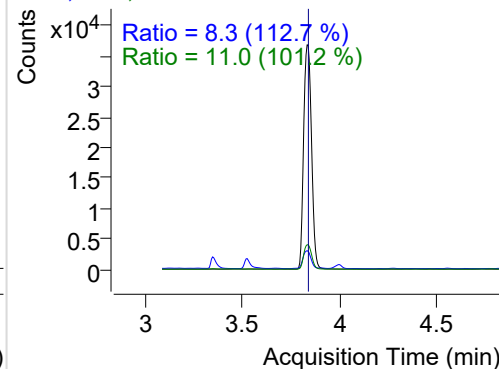
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.840	136.0	103410	36729.13	ND ng/ml	11.0
Naphthalene	3.867	128.0	1780	641.94	ND ng/ml	12.6
Acenaphthylene	7.165	152.0	58	32.03	ND ng/ml	
IS-D10-Acenaphthene	7.526	164.0	60337	41166.05	ND ng/ml	95.2
Acenaphthene	7.591	154.0	129	89.63	ND ng/ml	114.8
LSS-D10-Fluorene	8.684	176.0	53723	34441.86	ND ng/ml	92.1
Fluorene	8.747	166.0	475	303.83	ND ng/ml	90.3
IS-D10-Phenanthrene	10.889	188.0	106543	72617.55	ND ng/ml	15.0
Phenanthrene	10.942	178.0	3515	2114.14	ND ng/ml	19.6
Anthracene	11.036	178.0	47	31.65	ND ng/ml	
Fluoranthene	13.710	202.0	3393	2161.25	ND ng/ml	17.5
LSS-D10-Pyrene	14.165	212.0	76518	48464.59	ND ng/ml	19.9
Pyrene	14.198	202.0	3417	2115.84	ND ng/ml	19.5
Benz(a)anthracene	17.049	228.0	617	372.24	ND ng/ml	18.5
IS-D12-Chrysene	17.087	240.0	77907	46483.18	ND ng/ml	18.8
Chrysene	17.125	228.0	1058	534.00	ND ng/ml	23.3
Benzo(b)fluoranthene	19.419	252.0	2867	1191.37	ND ng/ml	19.2
Benzo(k)fluoranthene	19.462	252.0	334	233.61	ND ng/ml	215.2
SS-D12-Benzo(e)pyrene	19.903	264.0	60795	32735.22	ND ng/ml	25.1
Benzo(e)pyrene	19.953	252.0	1879	829.42	ND ng/ml	20.0
Benzo(a)pyrene	20.109	252.0	285	140.06	ND ng/ml	157.7
IS-D12-Perylene	20.173	264.0	77084	41549.04	ND ng/ml	23.5
Perylene	20.173	252.0	318	154.73	ND ng/ml	37.1
Indeno(1,2,3-c,d)pyrene	22.114	276.0	67	29.47	ND ng/ml	
Dibenz(a,h)anthracene	22.191	278.0	121	35.96	ND ng/ml	
Benzo(g,h,i)perylene	22.527	276.0	687	229.35	ND ng/ml	28.7
Coronene	24.917	300.0	238	58.85	ND ng/ml	18.7

IS-D8-Naphthalene

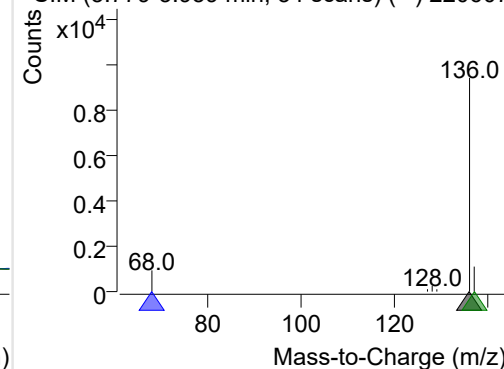
+ Selected Ion (136.0) 220607-PAHs-039.D



136.0, 68.0, 137.0

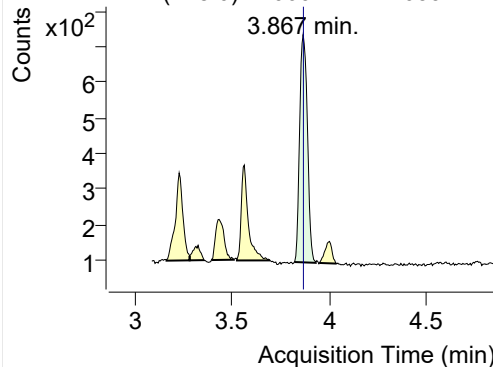


+ SIM (3.779-3.959 min, 34 scans) (**) 220607

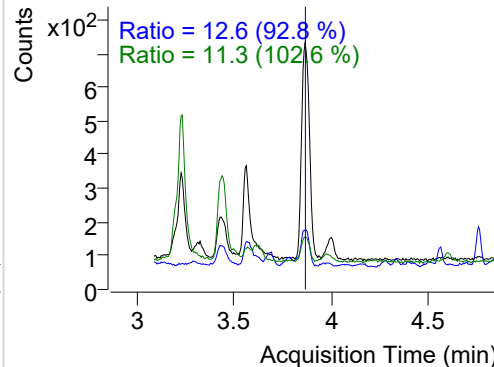


Naphthalene

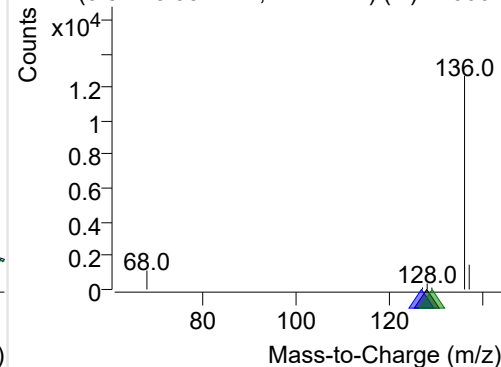
+ Selected Ion (128.0) 220607-PAHs-039.D



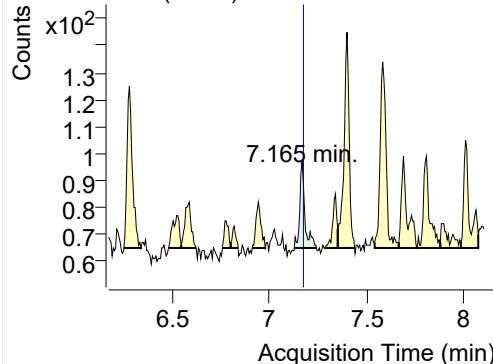
128.0, 127.0, 129.0



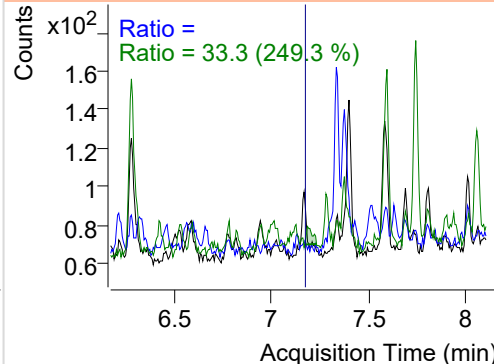
+ SIM (3.821-3.932 min, 21 scans) (**) 220607

**Acenaphthylene**

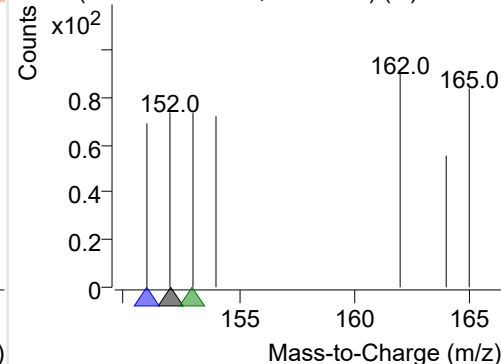
+ Selected Ion (152.0) 220607-PAHs-039.D



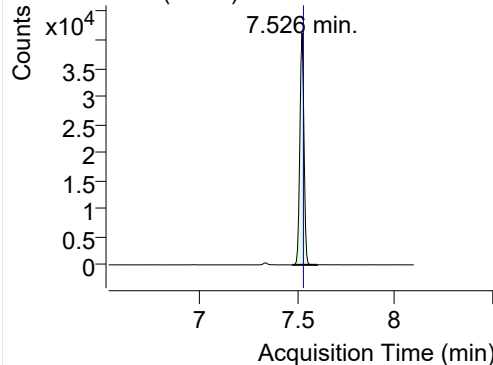
152.0, 151.0, 153.0



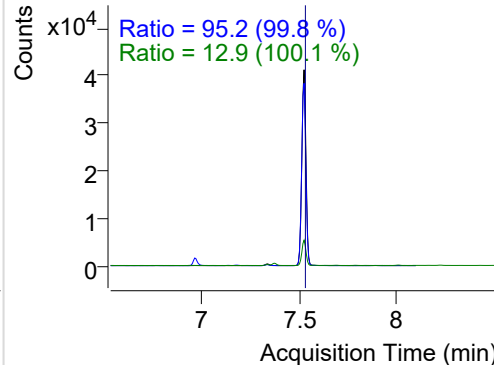
+ SIM (7.125-7.239 min, 19 scans) (**) 220607

**IS-D10-Acenaphthene**

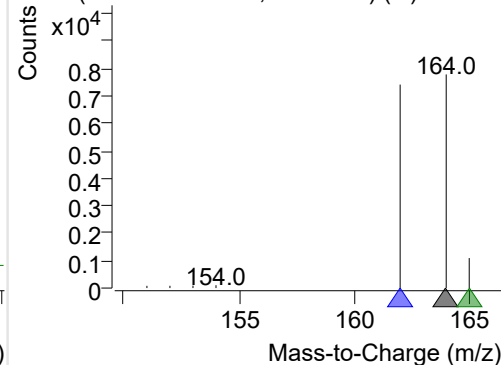
+ Selected Ion (164.0) 220607-PAHs-039.D



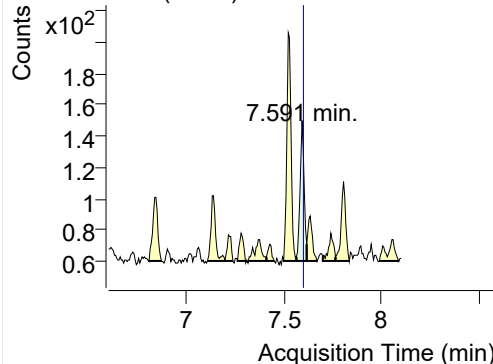
164.0, 162.0, 165.0



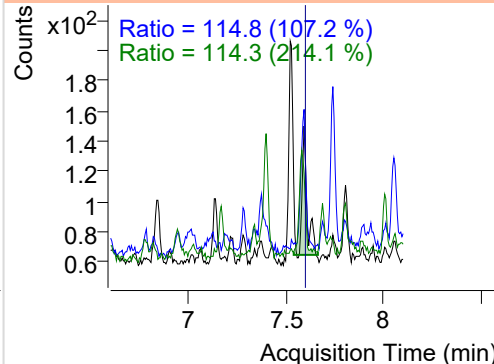
+ SIM (7.479-7.603 min, 22 scans) (**) 220607

**Acenaphthene**

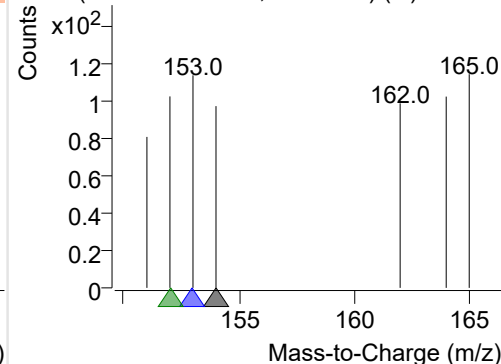
+ Selected Ion (154.0) 220607-PAHs-039.D



154.0, 153.0, 152.0

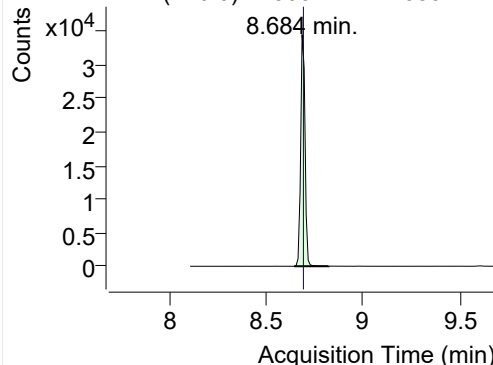


+ SIM (7.562-7.615 min, 10 scans) (**) 220607

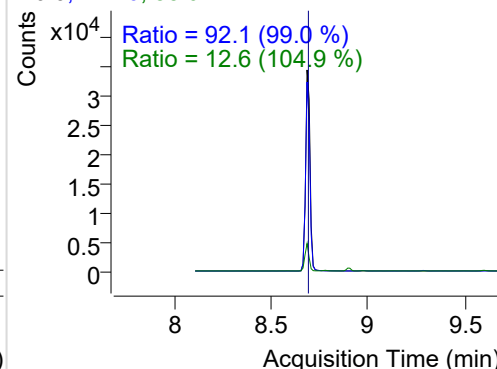


LSS-D10-Fluorene

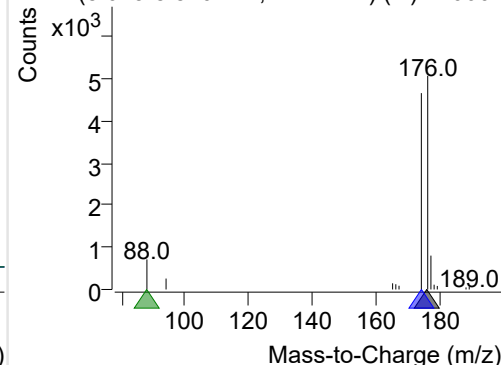
+ Selected Ion (176.0) 220607-PAHs-039.D



176.0, 174.0, 88.0

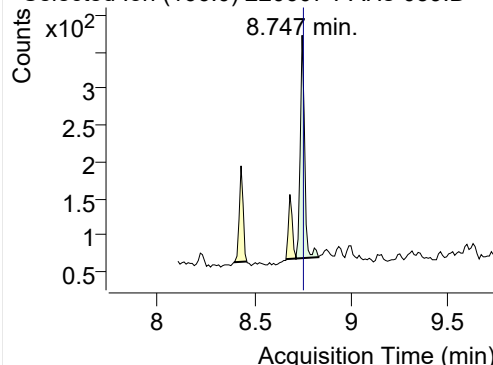


+ SIM (8.643-8.820 min, 17 scans) (**) 220607

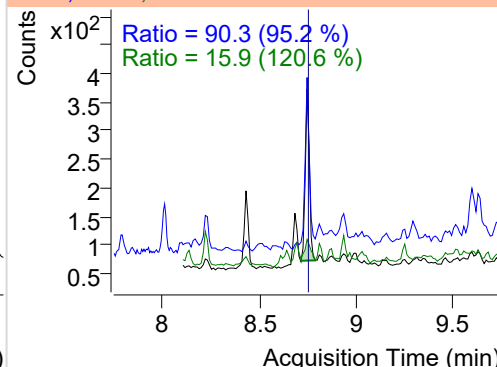


Fluorene

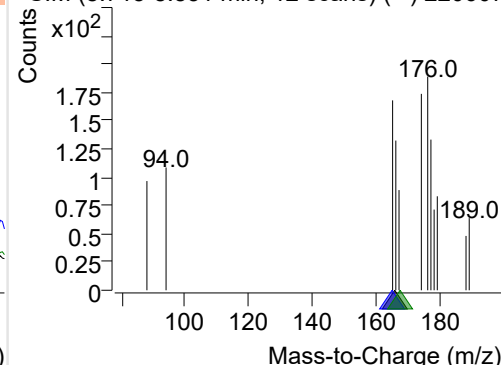
+ Selected Ion (166.0) 220607-PAHs-039.D



166.0, 165.0, 167.0

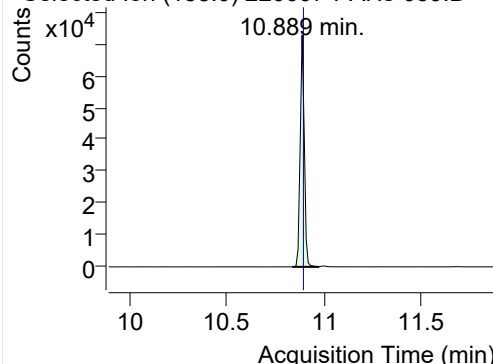


+ SIM (8.715-8.831 min, 12 scans) (**) 220607

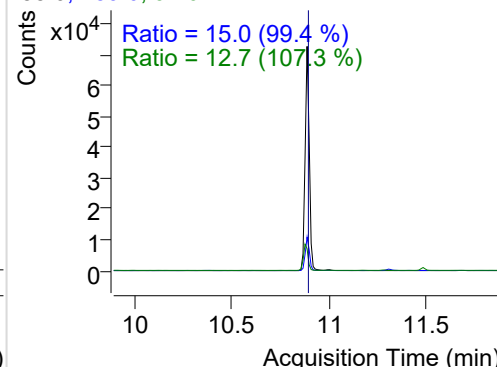


IS-D10-Phenanthrene

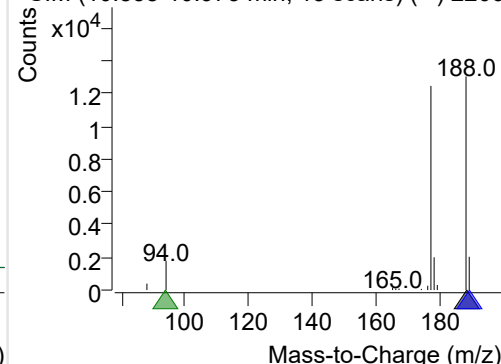
+ Selected Ion (188.0) 220607-PAHs-039.D



188.0, 189.0, 94.0

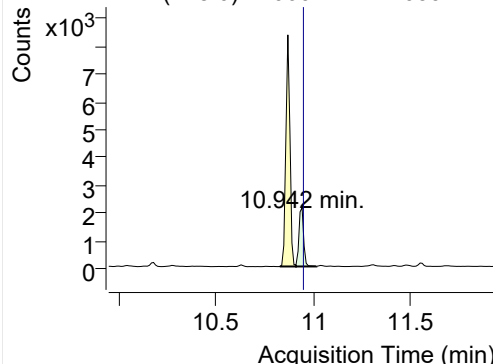


+ SIM (10.838-10.973 min, 13 scans) (**) 2206

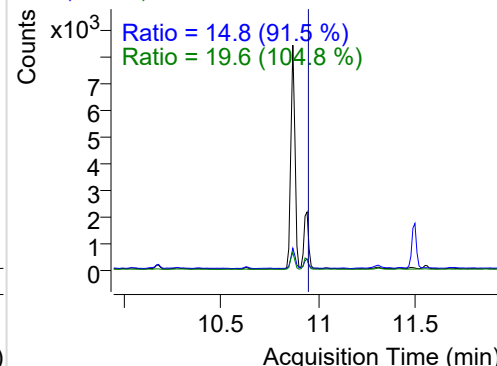


Phenanthrene

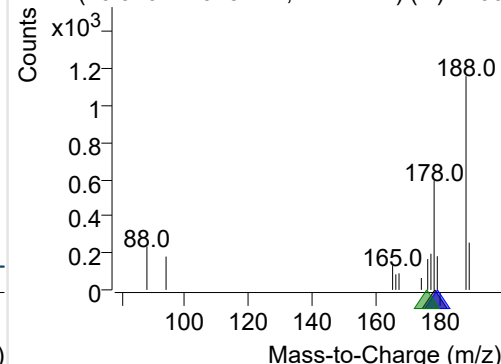
+ Selected Ion (178.0) 220607-PAHs-039.D



178.0, 179.0, 176.0

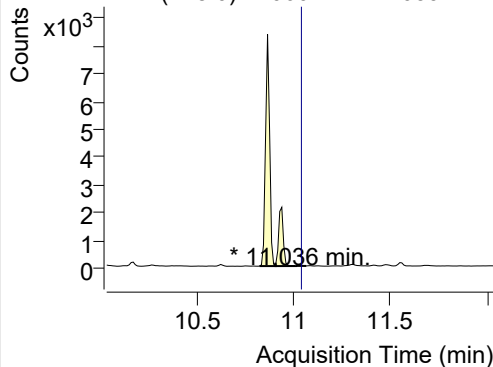


+ SIM (10.910-11.015 min, 11 scans) (**) 2206

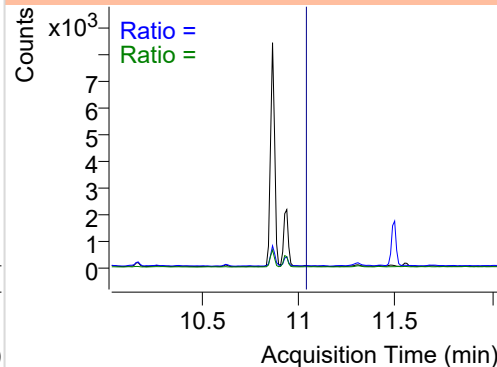


Anthracene

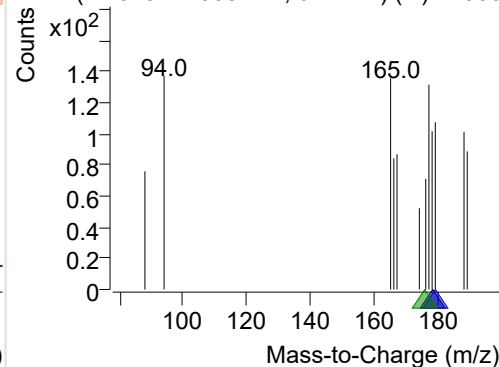
+ Selected Ion (178.0) 220607-PAHs-039.D



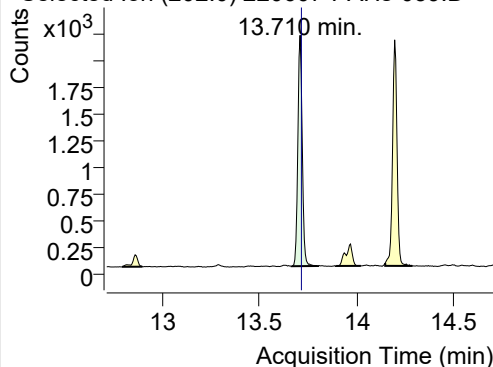
178.0, 179.0, 176.0



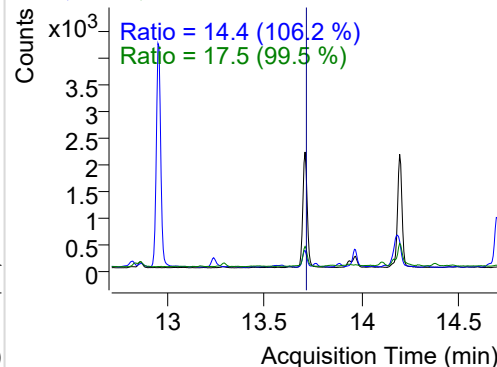
+ SIM (11.015-11.068 min, 6 scans) (**) 22060

**Fluoranthene**

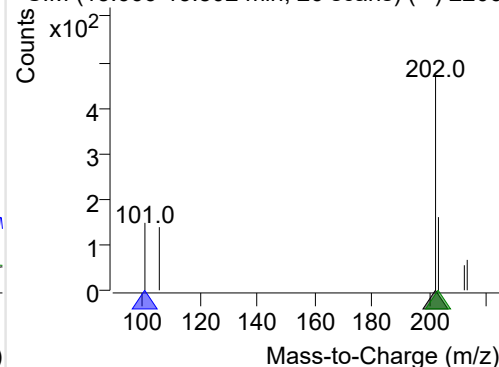
+ Selected Ion (202.0) 220607-PAHs-039.D



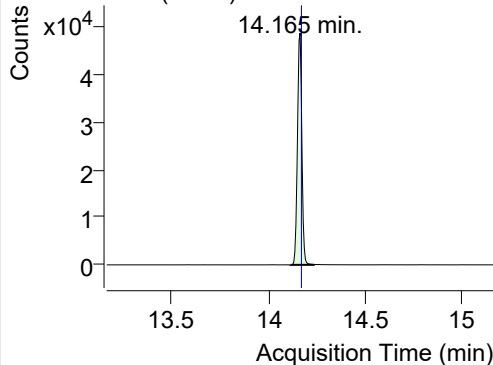
202.0, 101.0, 203.0



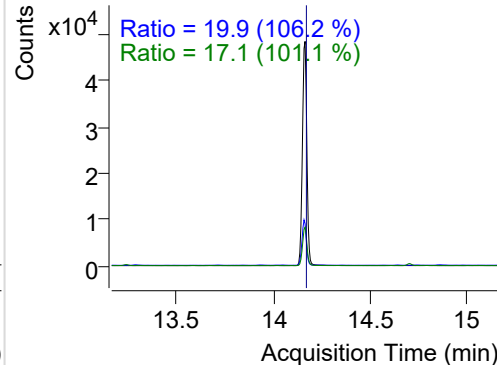
+ SIM (13.666-13.802 min, 26 scans) (**) 2206

**LSS-D10-Pyrene**

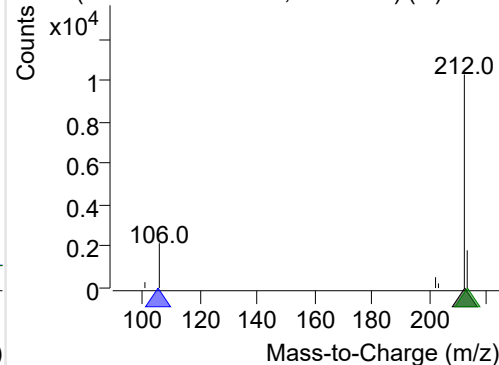
+ Selected Ion (212.0) 220607-PAHs-039.D



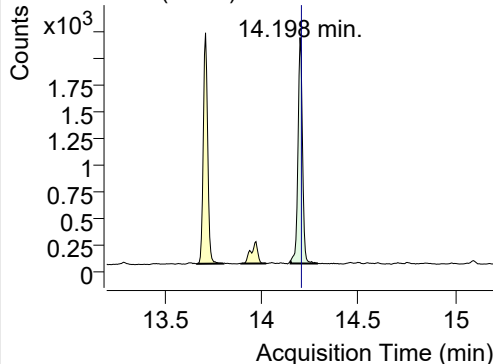
212.0, 106.0, 213.0



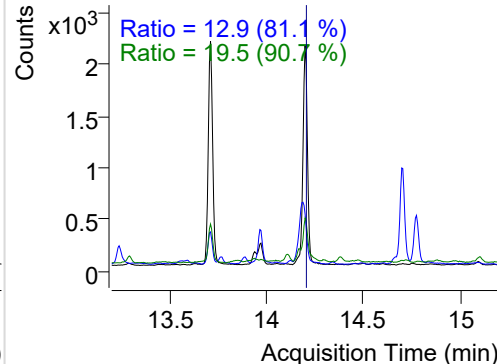
+ SIM (14.116-14.235 min, 23 scans) (**) 2206

**Pyrene**

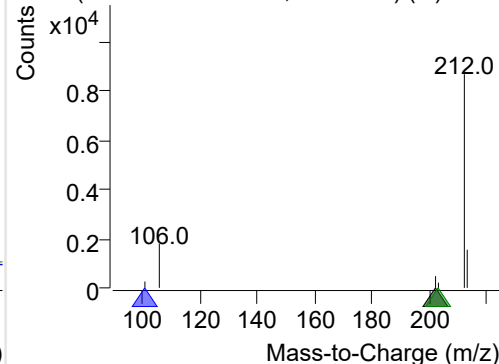
+ Selected Ion (202.0) 220607-PAHs-039.D



202.0, 101.0, 203.0



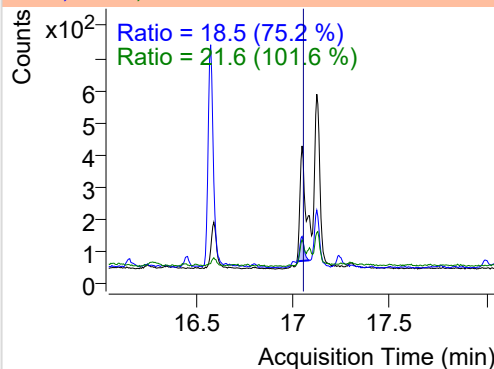
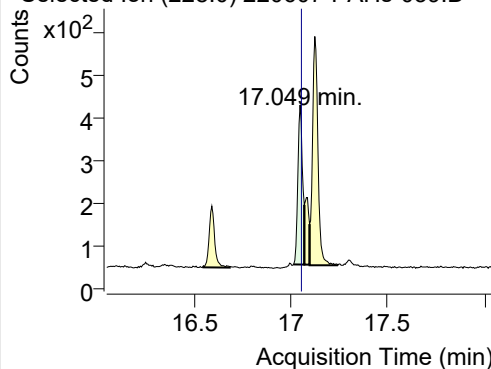
+ SIM (14.149-14.289 min, 26 scans) (**) 2206



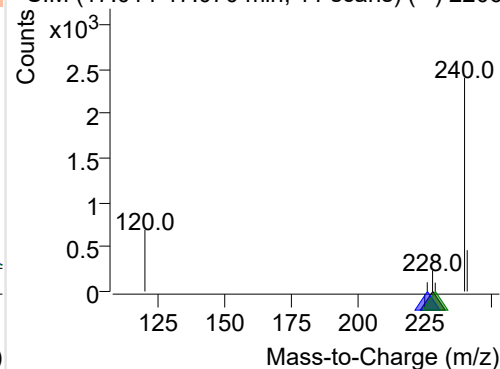
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-039.D

228.0, 226.0, 229.0

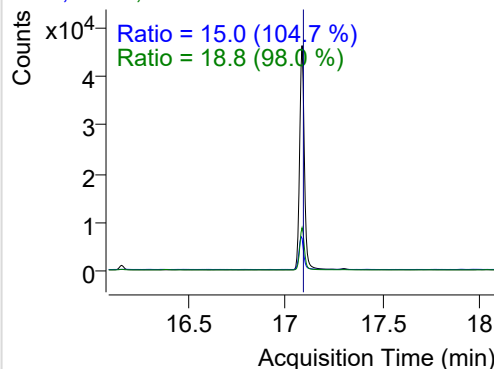
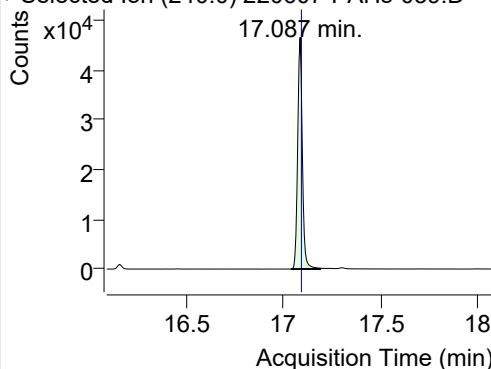


+ SIM (17.014-17.070 min, 11 scans) (**) 2206

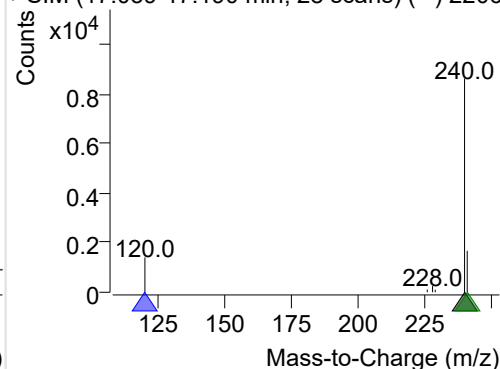
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-039.D

240.0, 120.0, 241.0

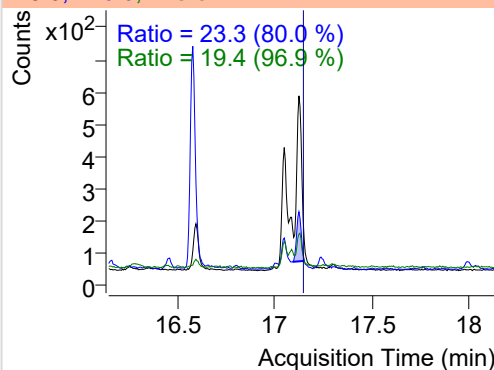
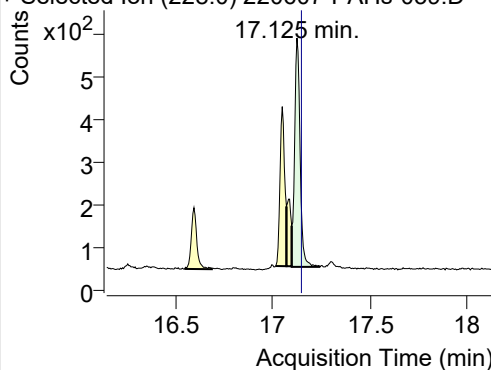


+ SIM (17.039-17.190 min, 28 scans) (**) 2206

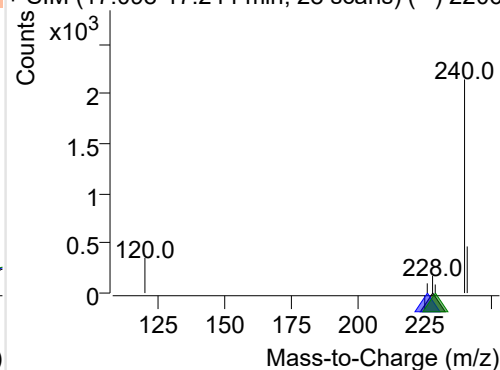
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-039.D

228.0, 226.0, 229.0

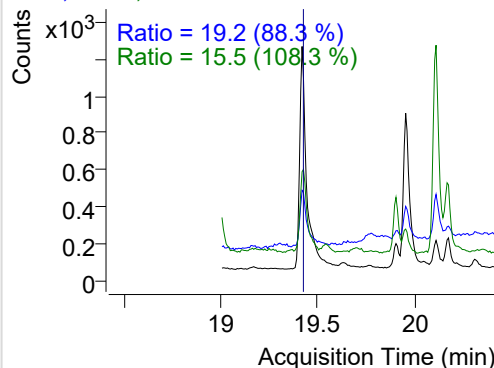
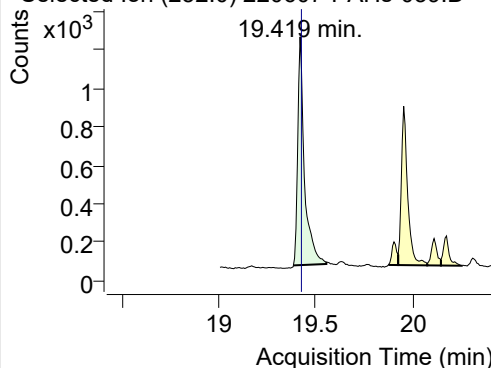


+ SIM (17.098-17.244 min, 28 scans) (**) 2206

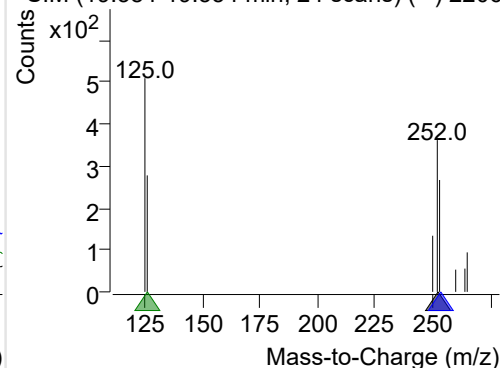
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-039.D

252.0, 253.0, 126.0



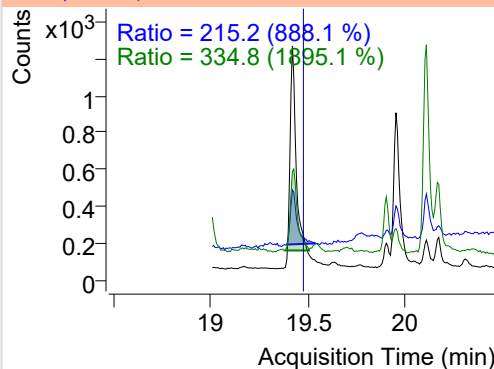
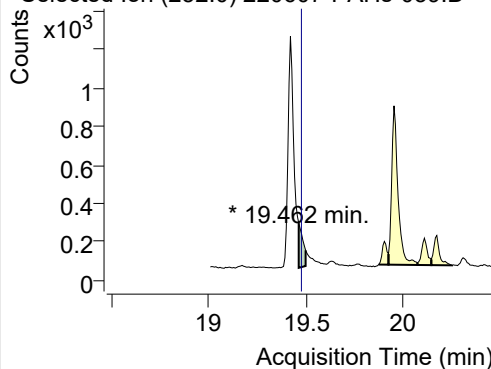
+ SIM (19.384-19.554 min, 24 scans) (**) 2206



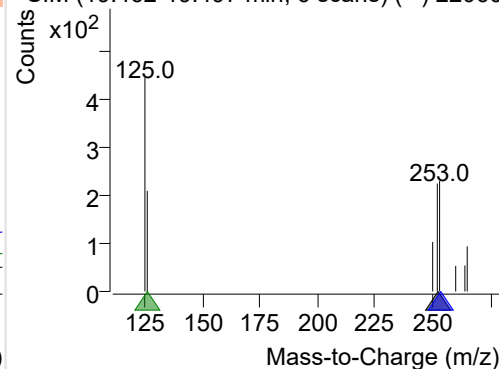
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-039.D

252.0, 253.0, 126.0

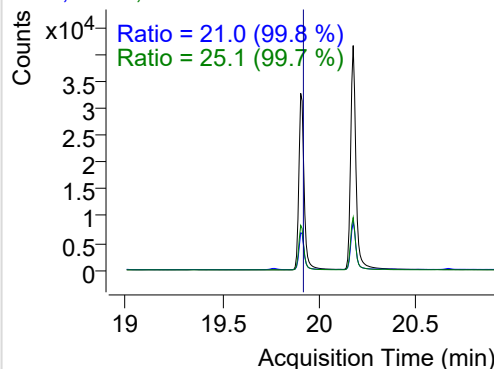
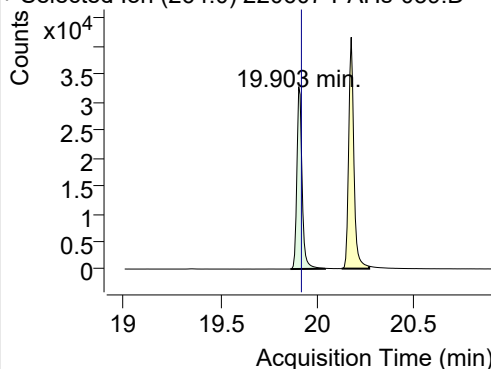


+ SIM (19.462-19.497 min, 6 scans) (**) 22060

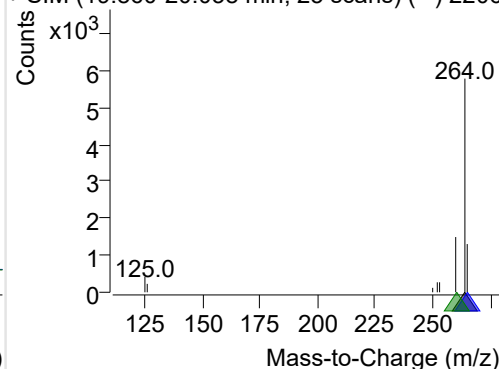
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-039.D

264.0, 265.0, 260.0

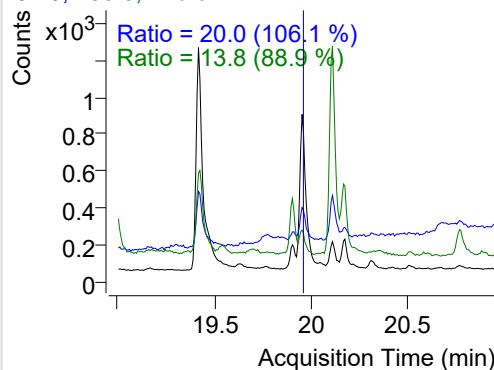
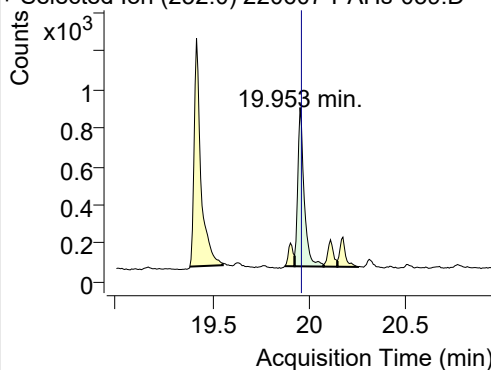


+ SIM (19.860-20.038 min, 25 scans) (**) 2206

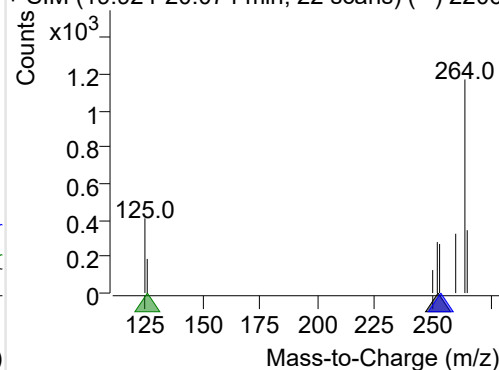
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-039.D

252.0, 253.0, 126.0

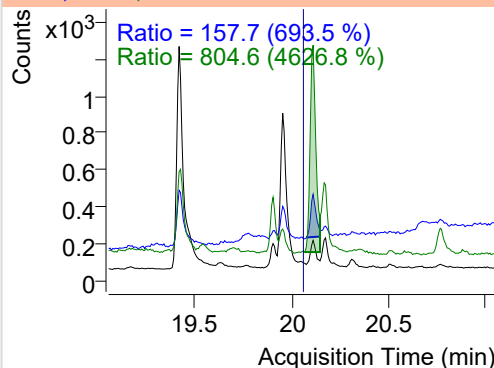
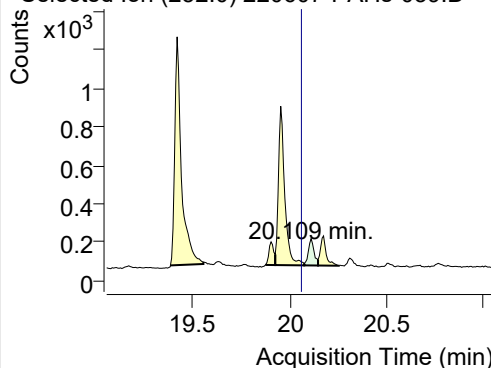


+ SIM (19.924-20.074 min, 22 scans) (**) 2206

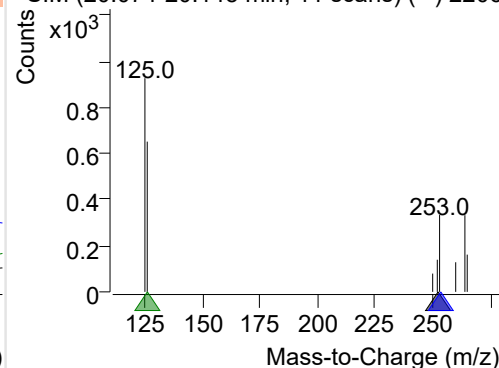
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-039.D

252.0, 253.0, 126.0

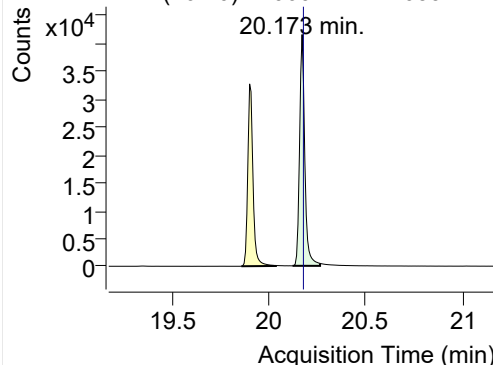


+ SIM (20.074-20.145 min, 11 scans) (**) 2206

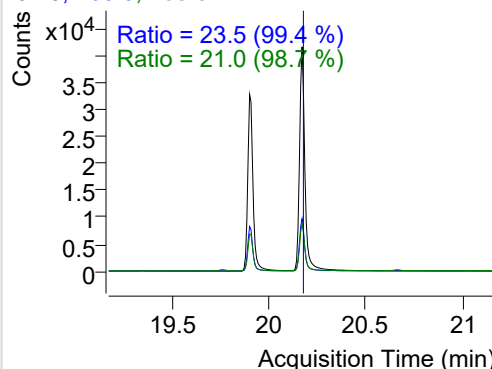


IS-D12-Perylene

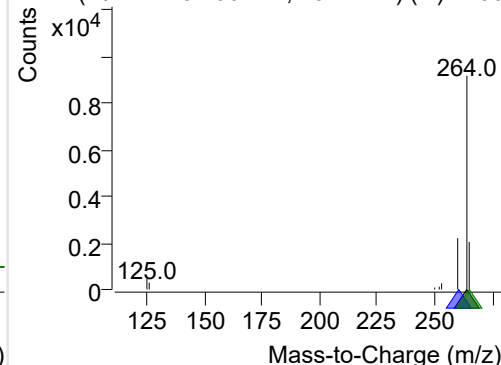
+ Selected Ion (264.0) 220607-PAHs-039.D



264.0, 260.0, 265.0

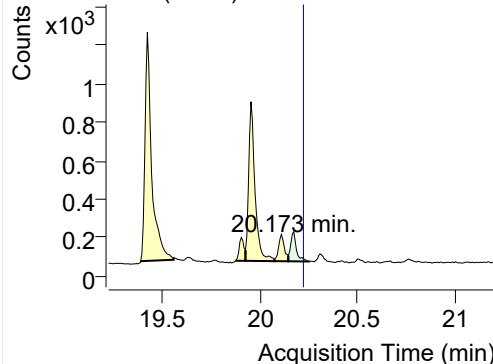


+ SIM (20.124-20.266 min, 20 scans) (**) 2206

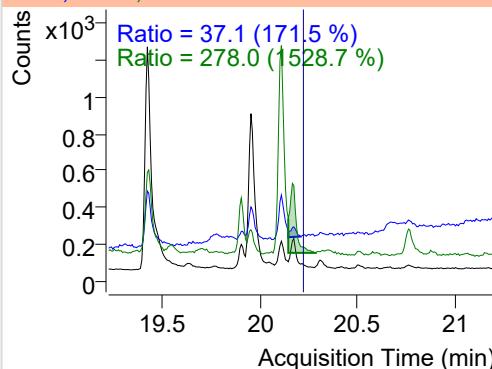


Perylene

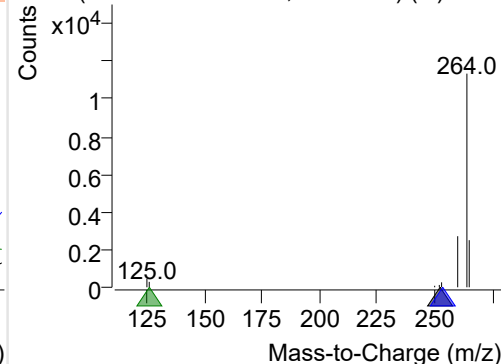
+ Selected Ion (252.0) 220607-PAHs-039.D



252.0, 253.0, 126.0

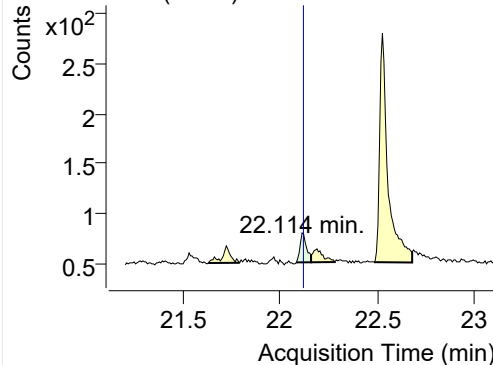


+ SIM (20.145-20.252 min, 16 scans) (**) 2206

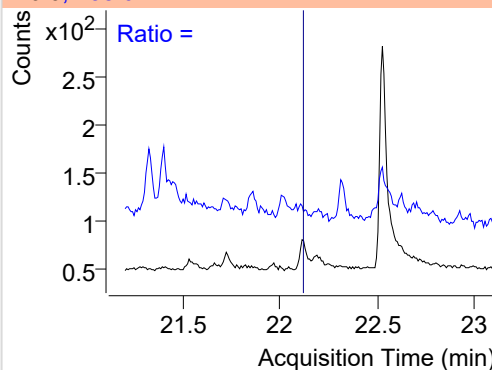


Indeno(1,2,3-c,d)pyrene

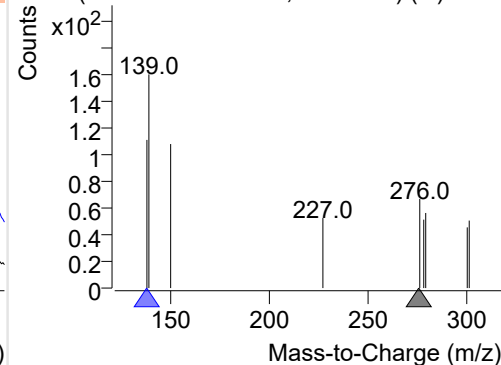
+ Selected Ion (276.0) 220607-PAHs-039.D



276.0, 138.0

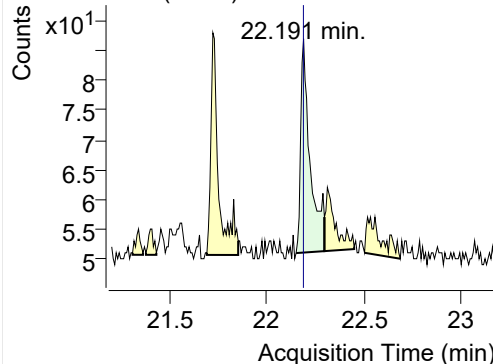


+ SIM (22.085-22.160 min, 10 scans) (**) 2206

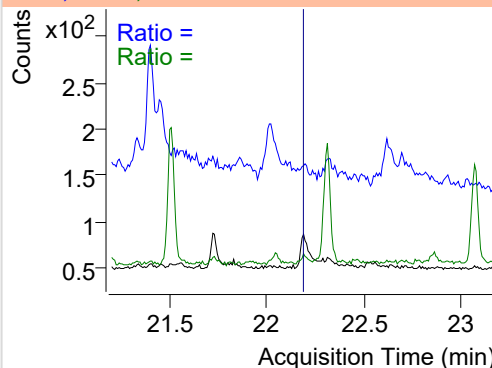


Dibenz(a,h)anthracene

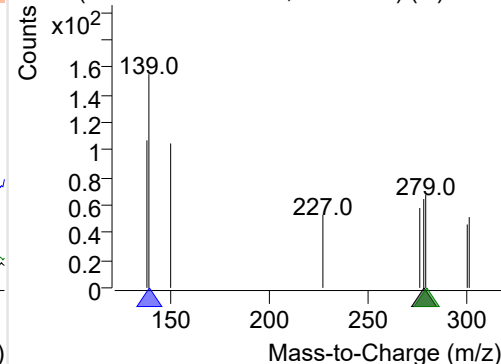
+ Selected Ion (278.0) 220607-PAHs-039.D



278.0, 139.0, 279.0

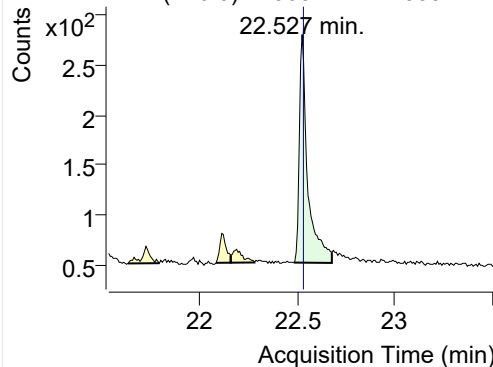


+ SIM (22.152-22.298 min, 20 scans) (**) 2206

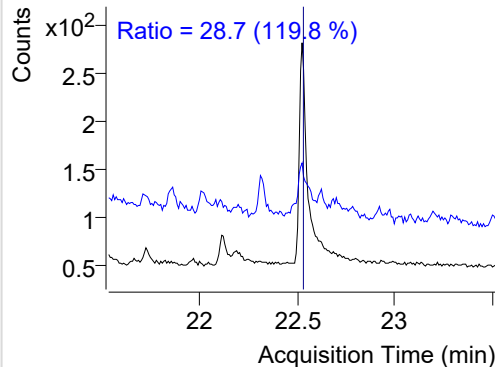


Benzo(g,h,i)perylene

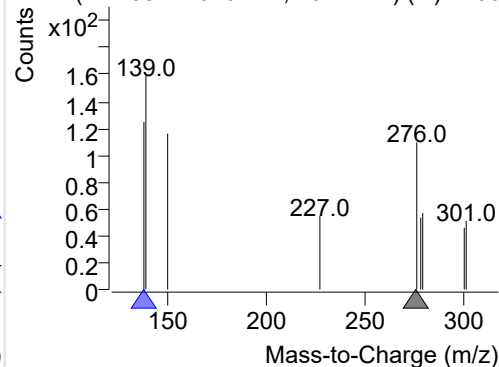
+ Selected Ion (276.0) 220607-PAHs-039.D



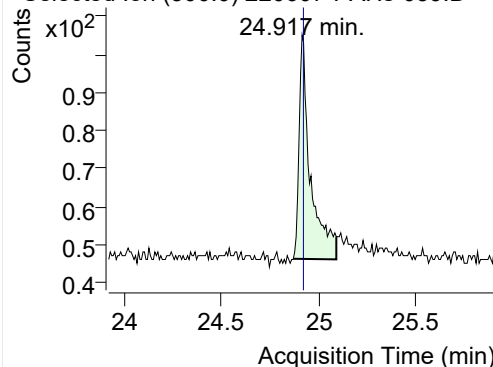
276.0, 138.0



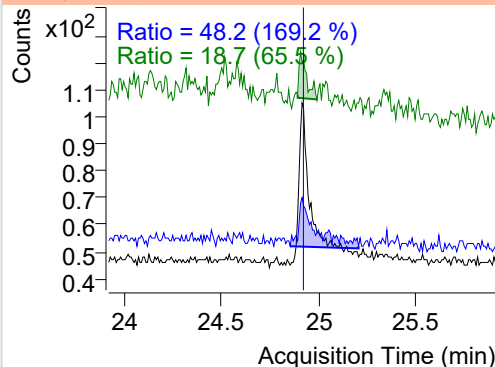
+ SIM (22.488-22.679 min, 26 scans) (**) 2206

**Coronene**

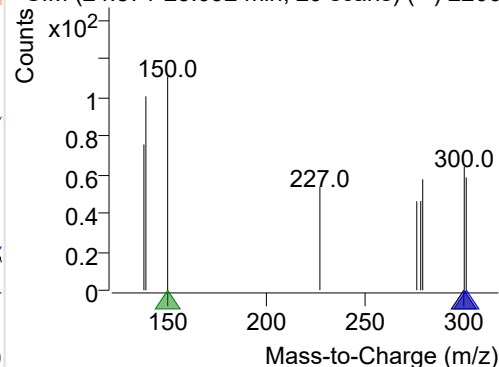
+ Selected Ion (300.0) 220607-PAHs-039.D



300.0, 301.0, 150.0



+ SIM (24.871-25.092 min, 29 scans) (**) 2206



Quantitative Analysis Sample Based Report

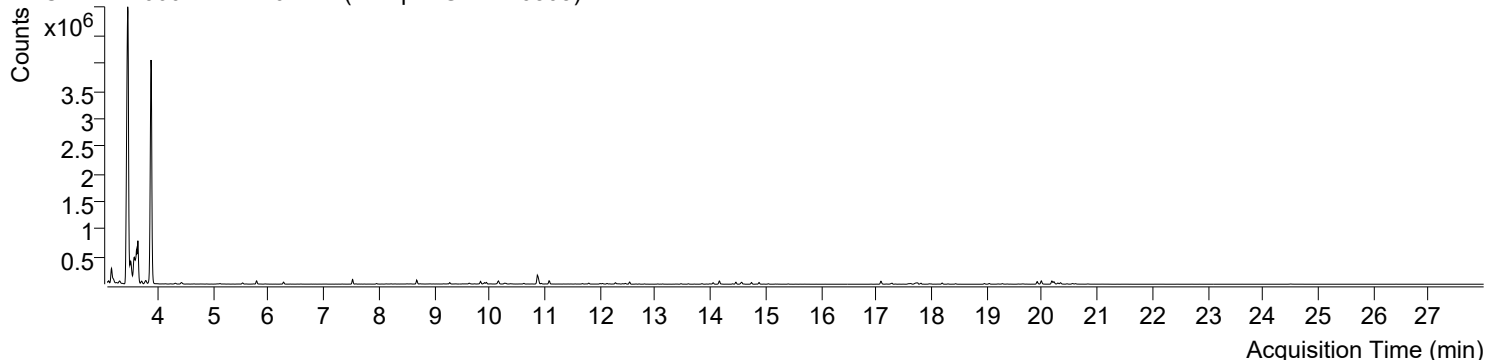


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 6:43:53	Data File	220607-PAHs-041.D
Type	Sample	Name	Sample-Gas-220505
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

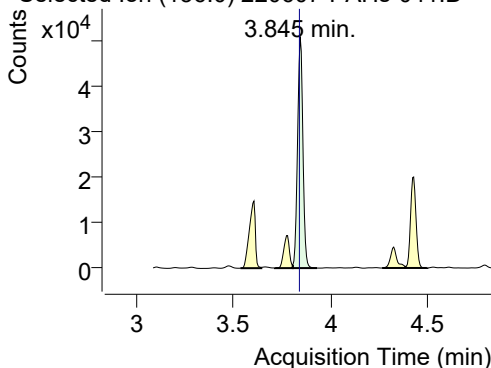
+ TIC SIM 220607-PAHs-041.D (Sample-Gas-220505)



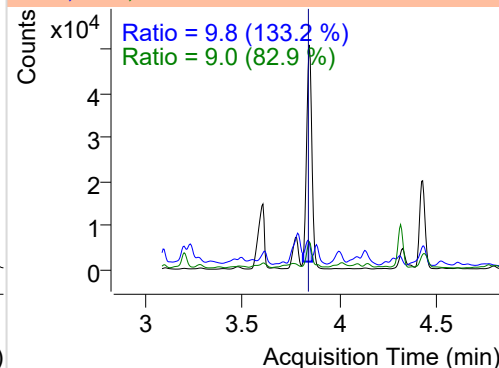
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.845	136.0	96847	50761.51	ND ng/ml	9.0
Naphthalene	3.877	128.0	6292416	3230511.77	ND ng/ml	13.2
Acenaphthylene	7.165	152.0	217	154.00	ND ng/ml	
IS-D10-Acenaphthene	7.526	164.0	57993	40003.69	ND ng/ml	95.3
Acenaphthene	7.591	154.0	1890	1231.82	ND ng/ml	113.8
LSS-D10-Fluorene	8.684	176.0	47953	31834.42	ND ng/ml	92.2
Fluorene	8.747	166.0	3648	2351.70	ND ng/ml	86.1
IS-D10-Phenanthrene	10.889	188.0	98324	67058.54	ND ng/ml	15.6
Phenanthrene	10.942	178.0	11060	6967.98	ND ng/ml	19.6
Anthracene	11.036	178.0	416	254.94	ND ng/ml	
Fluoranthene	13.710	202.0	2508	1607.69	ND ng/ml	16.9
LSS-D10-Pyrene	14.165	212.0	66222	41862.90	ND ng/ml	21.7
Pyrene	14.197	202.0	3193	1830.91	ND ng/ml	
Benz(a)anthracene	17.049	228.0	21	18.01	ND ng/ml	316.9
IS-D12-Chrysene	17.087	240.0	71632	40228.67	ND ng/ml	18.8
Chrysene	17.287	228.0	760	388.84	ND ng/ml	37.4
Benzo(b)fluoranthene	19.369	252.0	1363	573.32	ND ng/ml	15.6
Benzo(k)fluoranthene	19.447	252.0	13	20.78	ND ng/ml	
SS-D12-Benzo(e)pyrene	19.917	264.0	55850	31390.58	ND ng/ml	25.5
Benzo(e)pyrene	19.988	252.0	2954	1417.40	ND ng/ml	22.7
Benzo(a)pyrene	20.052	252.0	390	146.69	ND ng/ml	
IS-D12-Perylene	20.180	264.0	66449	39195.51	ND ng/ml	26.0
Perylene	20.216	252.0	2946	1150.86	ND ng/ml	17.4
Indeno(1,2,3-c,d)pyrene	22.122	276.0	125	35.00	ND ng/ml	27.4
Dibenz(a,h)anthracene	22.191	278.0	143	31.30	ND ng/ml	
Benzo(g,h,i)perylene	22.534	276.0	20	12.64	ND ng/ml	79.8
Coronene	24.916	300.0	67	18.89	ND ng/ml	

IS-D8-Naphthalene

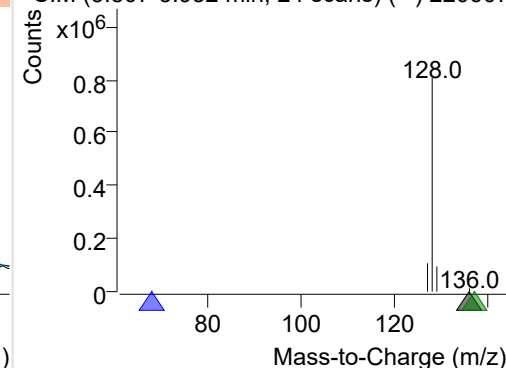
+ Selected Ion (136.0) 220607-PAHs-041.D



136.0, 68.0, 137.0

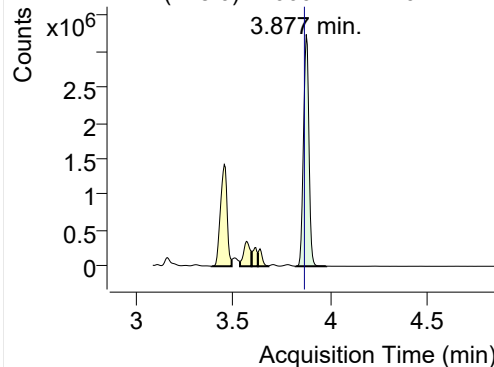


+ SIM (3.807-3.932 min, 24 scans) (**) 220607

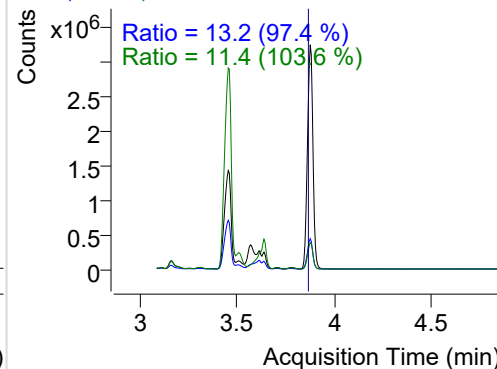


Naphthalene

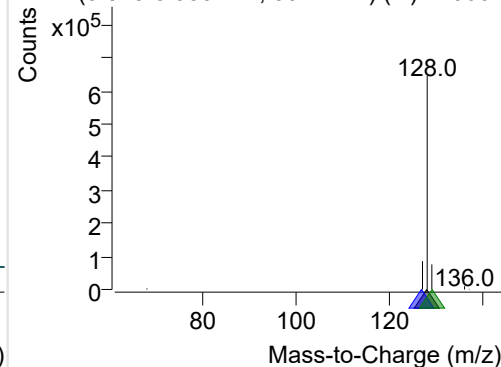
+ Selected Ion (128.0) 220607-PAHs-041.D



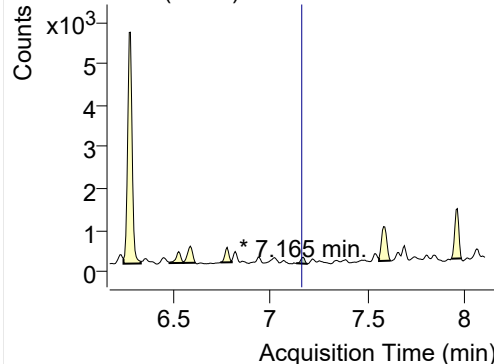
128.0, 127.0, 129.0



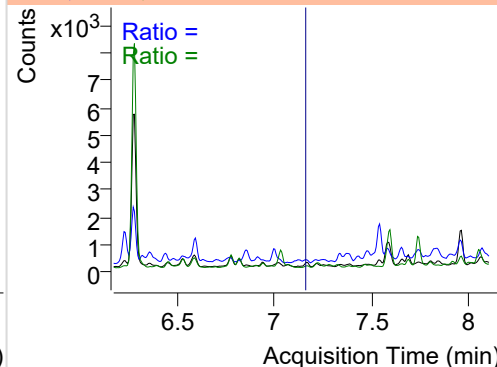
+ SIM (3.823-3.980 min, 30 scans) (**) 220607

**Acenaphthylene**

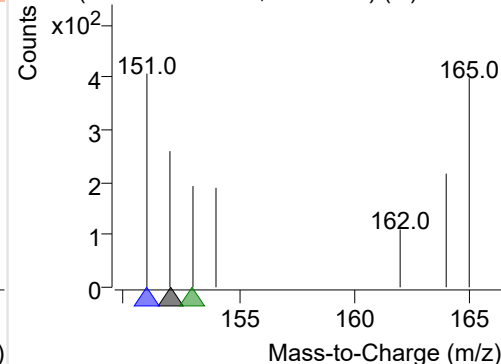
+ Selected Ion (152.0) 220607-PAHs-041.D



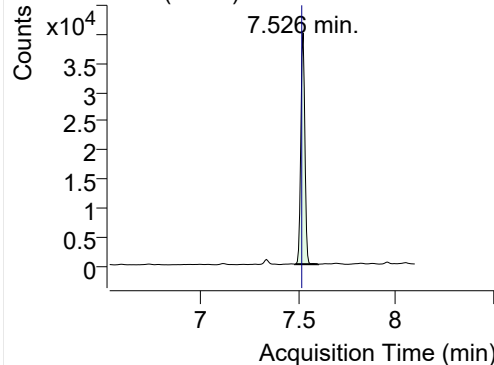
152.0, 151.0, 153.0



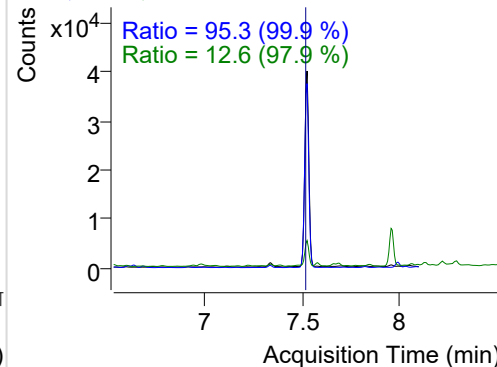
+ SIM (7.130-7.189 min, 11 scans) (**) 220607

**IS-D10-Acenaphthene**

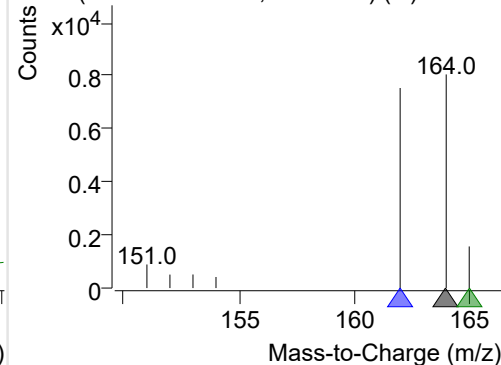
+ Selected Ion (164.0) 220607-PAHs-041.D



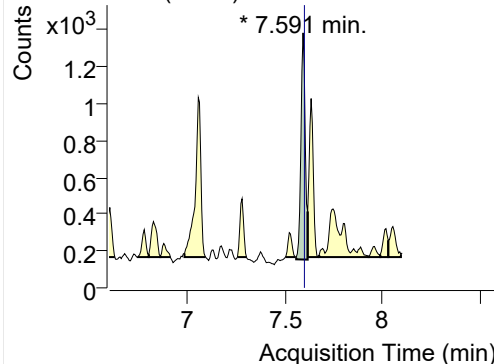
164.0, 162.0, 165.0



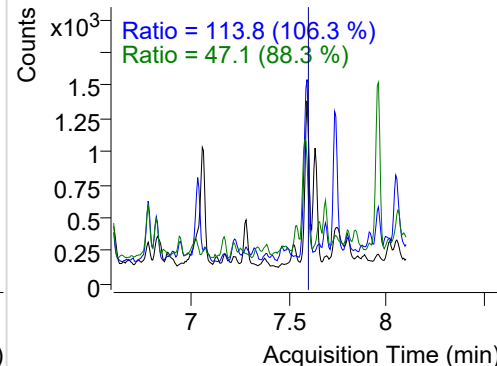
+ SIM (7.485-7.603 min, 21 scans) (**) 220607

**Acenaphthene**

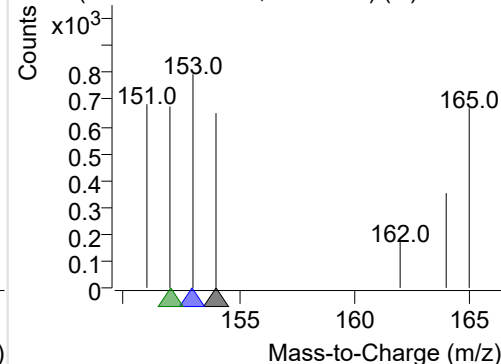
+ Selected Ion (154.0) 220607-PAHs-041.D



154.0, 153.0, 152.0

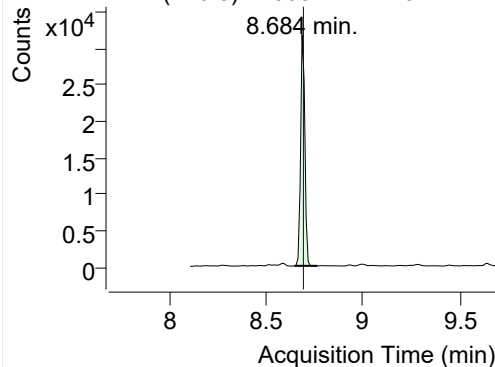


+ SIM (7.556-7.615 min, 11 scans) (**) 220607

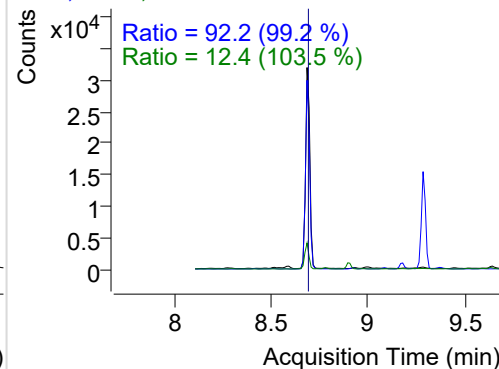


LSS-D10-Fluorene

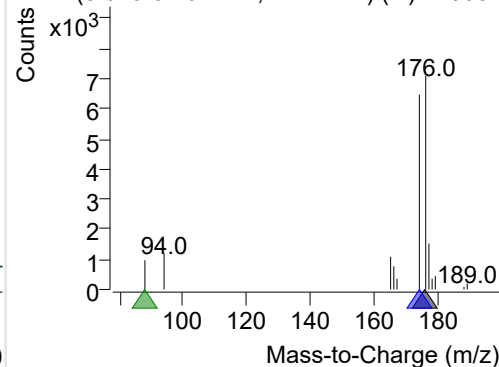
+ Selected Ion (176.0) 220607-PAHs-041.D



176.0, 174.0, 88.0

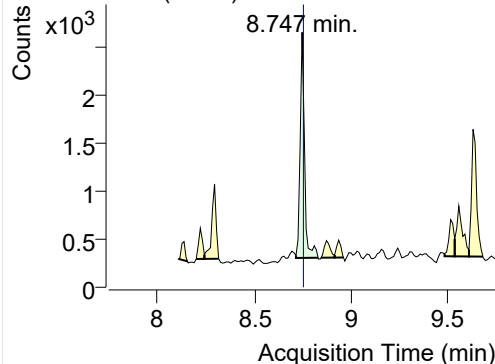


+ SIM (8.645-8.762 min, 11 scans) (**) 220607

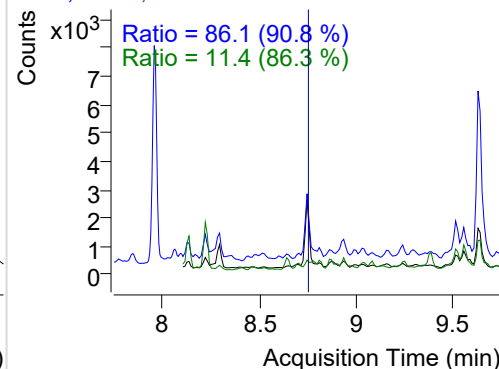


Fluorene

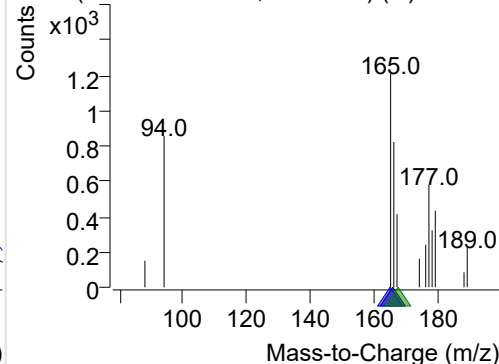
+ Selected Ion (166.0) 220607-PAHs-041.D



166.0, 165.0, 167.0

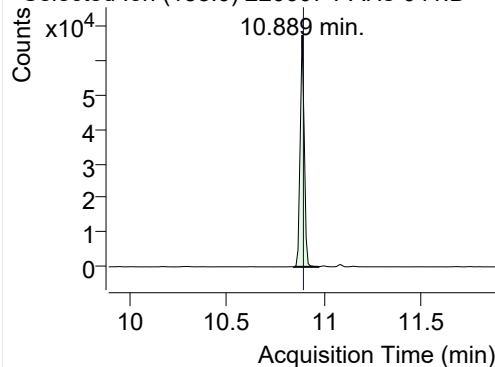


+ SIM (8.715-8.829 min, 11 scans) (**) 220607

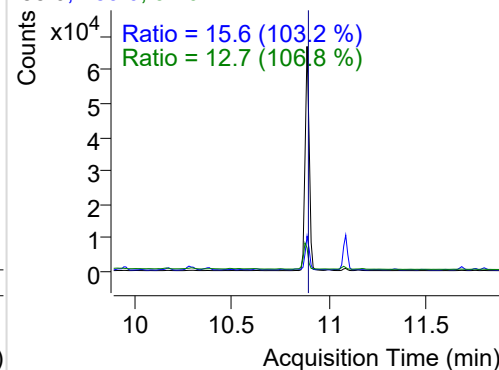


IS-D10-Phenanthrene

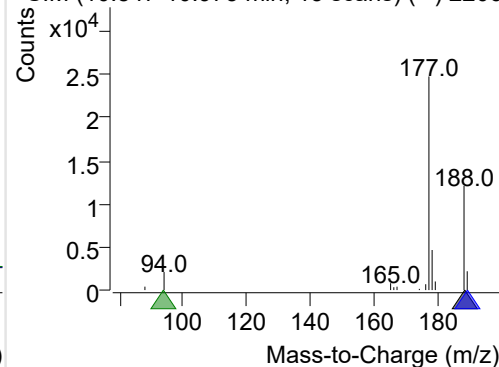
+ Selected Ion (188.0) 220607-PAHs-041.D



188.0, 189.0, 94.0

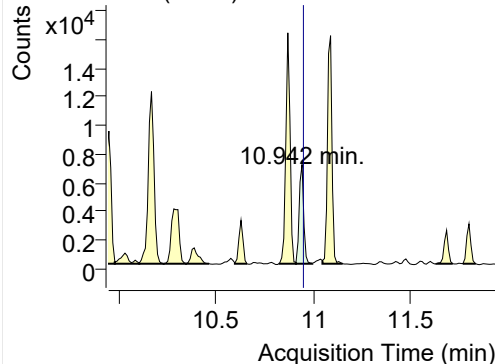


+ SIM (10.847-10.973 min, 13 scans) (**) 2206

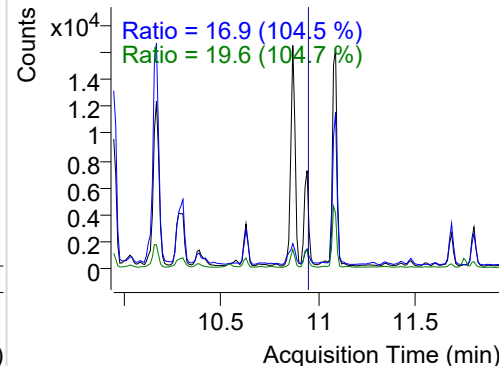


Phenanthrene

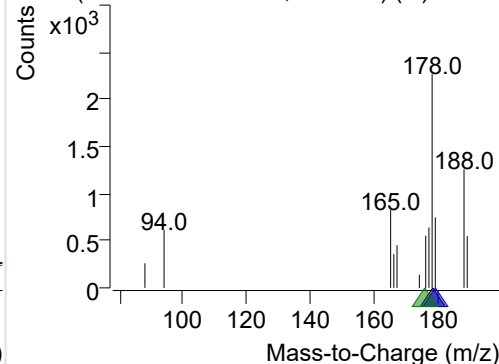
+ Selected Ion (178.0) 220607-PAHs-041.D



178.0, 179.0, 176.0

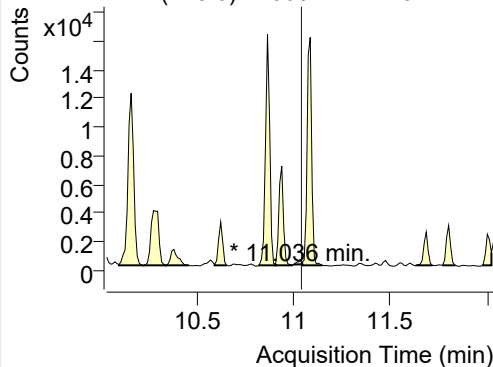


+ SIM (10.910-10.994 min, 9 scans) (**) 22060

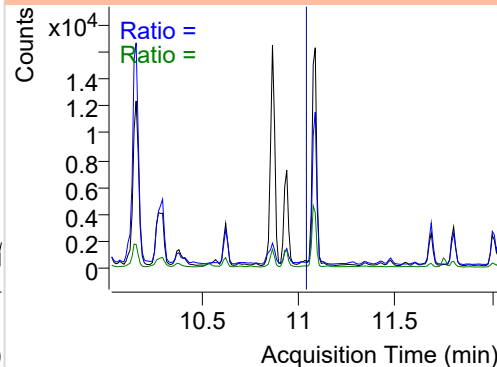


Anthracene

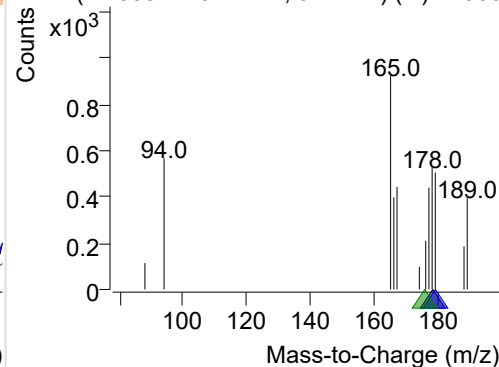
+ Selected Ion (178.0) 220607-PAHs-041.D



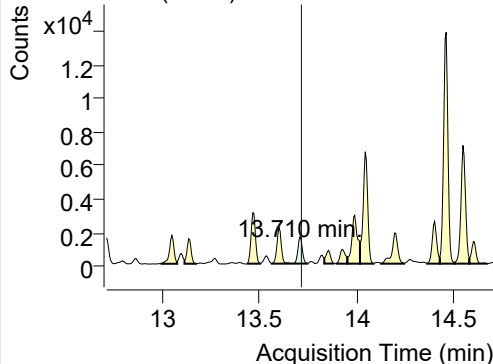
178.0, 179.0, 176.0



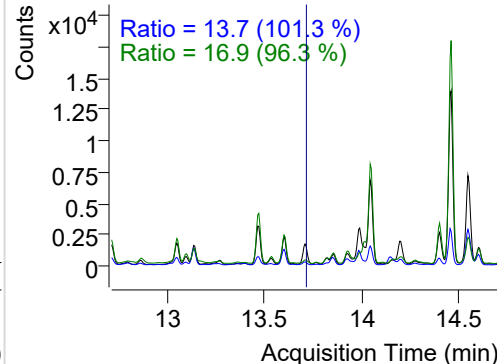
+ SIM (11.005-11.047 min, 5 scans) (**) 22060

**Fluoranthene**

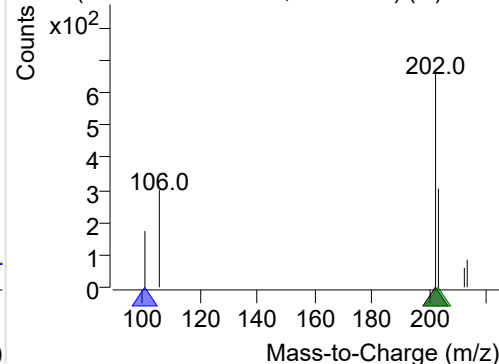
+ Selected Ion (202.0) 220607-PAHs-041.D



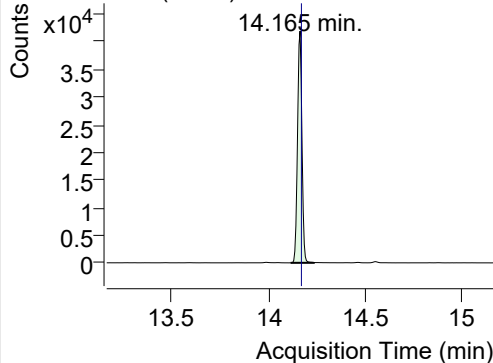
202.0, 101.0, 203.0



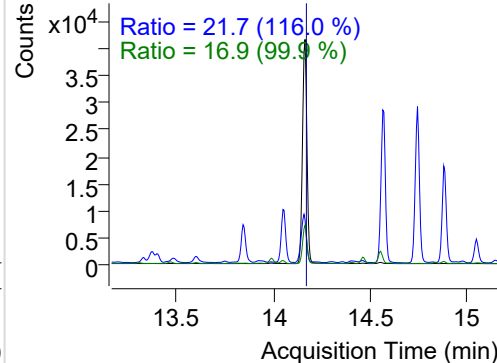
+ SIM (13.672-13.748 min, 15 scans) (**) 2206

**LSS-D10-Pyrene**

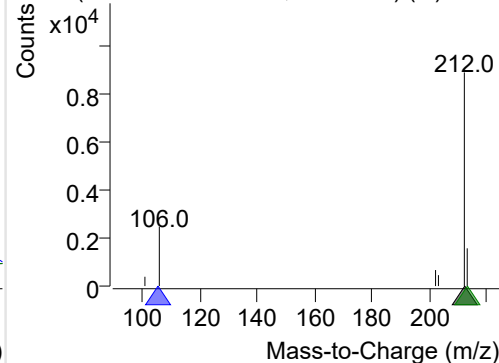
+ Selected Ion (212.0) 220607-PAHs-041.D



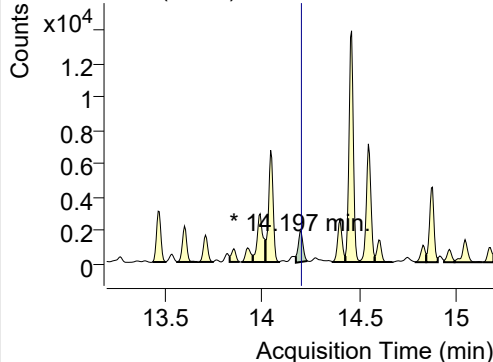
212.0, 106.0, 213.0



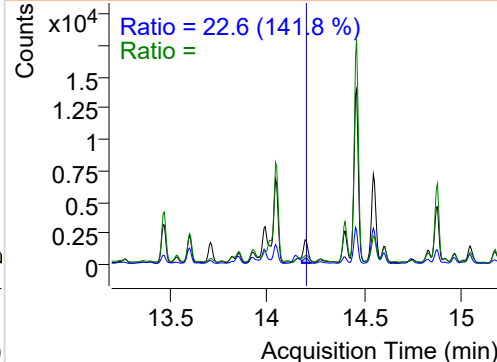
+ SIM (14.116-14.235 min, 23 scans) (**) 2206

**Pyrene**

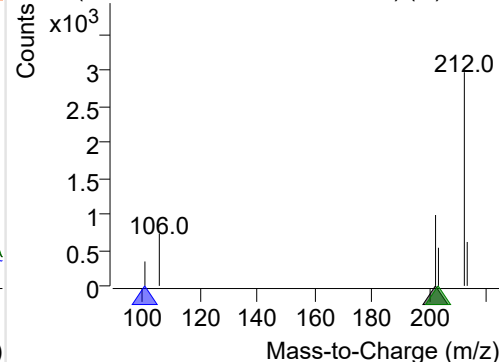
+ Selected Ion (202.0) 220607-PAHs-041.D



202.0, 101.0, 203.0



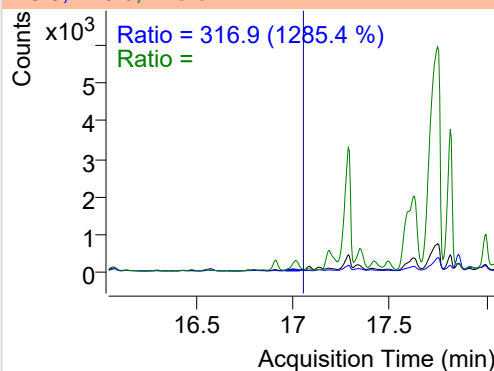
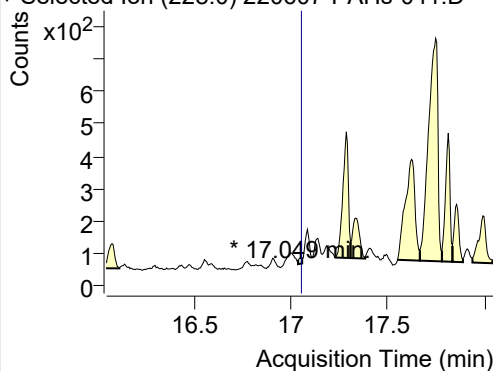
+ SIM (14.176-14.235 min, 12 scans) (**) 2206



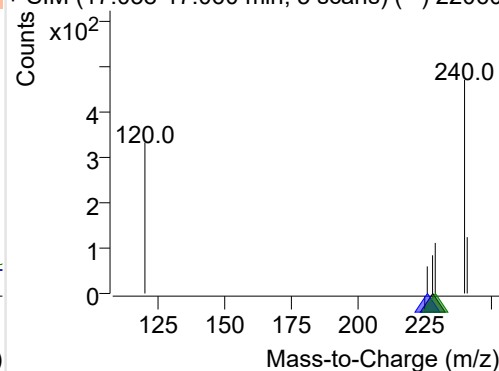
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-041.D

228.0, 226.0, 229.0

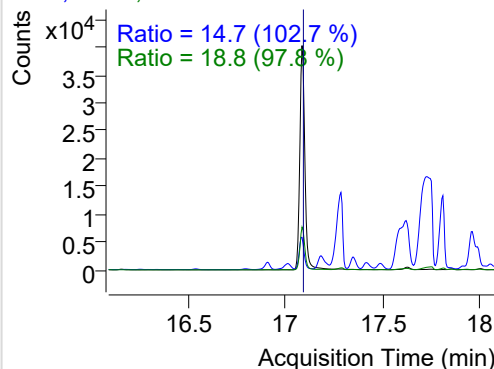
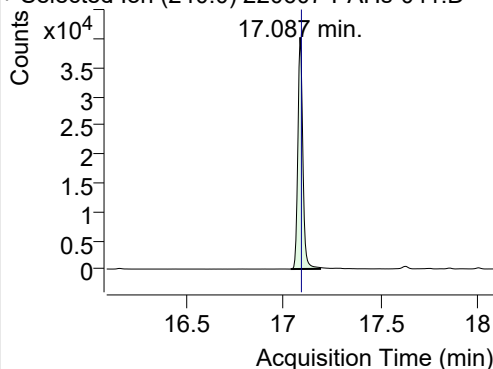


+ SIM (17.038-17.060 min, 5 scans) (**) 22060

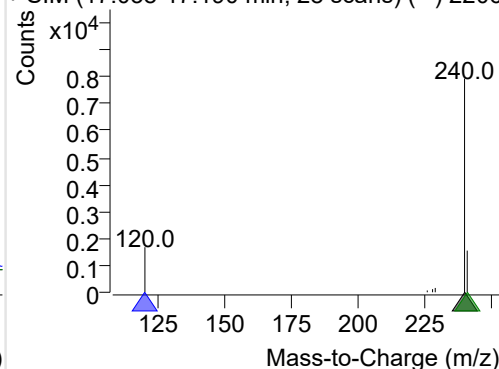
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-041.D

240.0, 120.0, 241.0

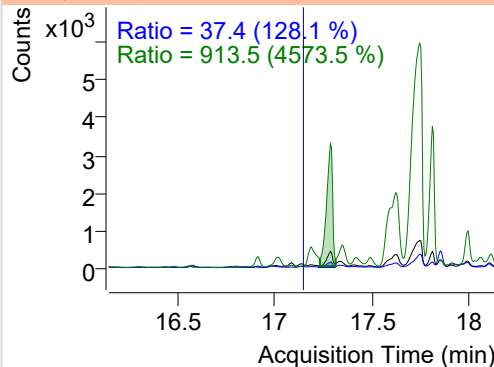
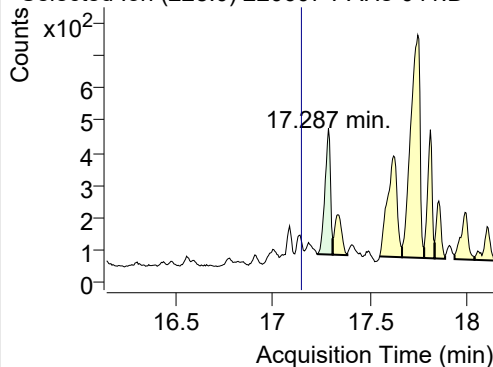


+ SIM (17.038-17.190 min, 28 scans) (**) 2206

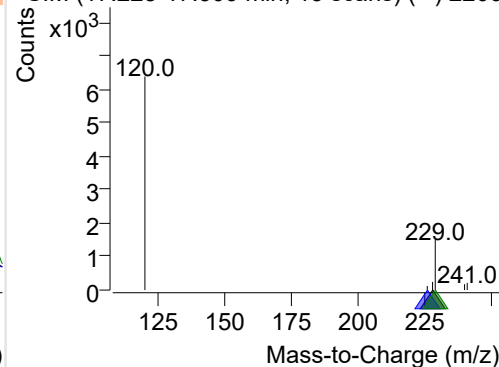
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-041.D

228.0, 226.0, 229.0

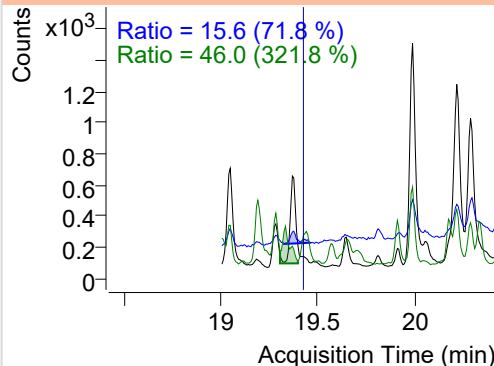
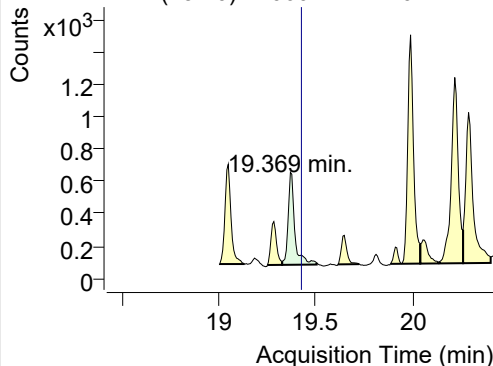


+ SIM (17.228-17.309 min, 15 scans) (**) 2206

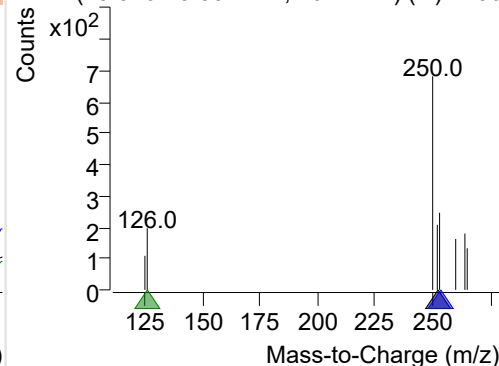
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-041.D

252.0, 253.0, 126.0



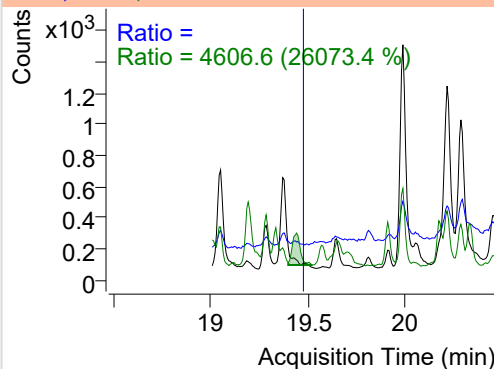
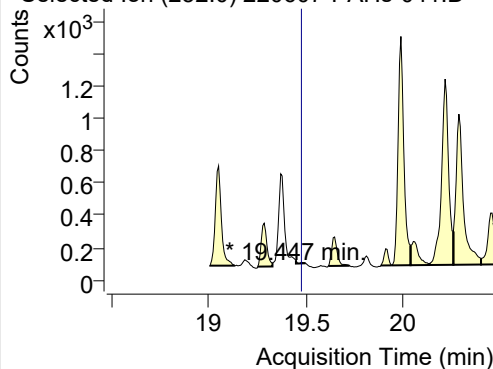
+ SIM (19.326-19.504 min, 26 scans) (**) 2206



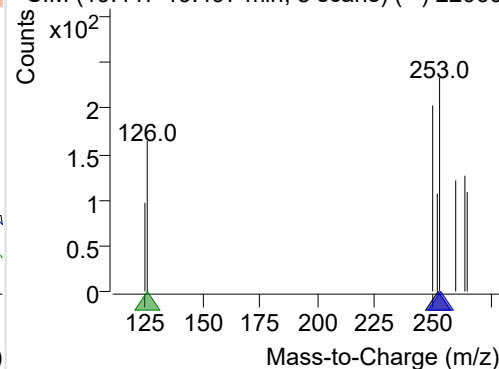
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-041.D

252.0, 253.0, 126.0

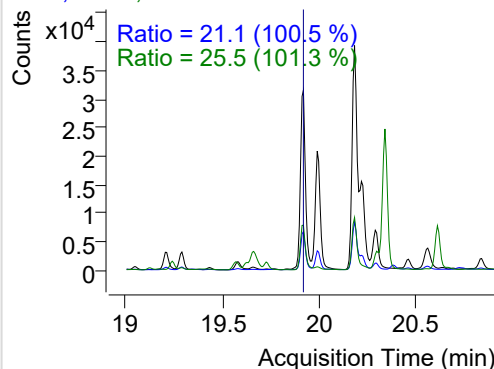
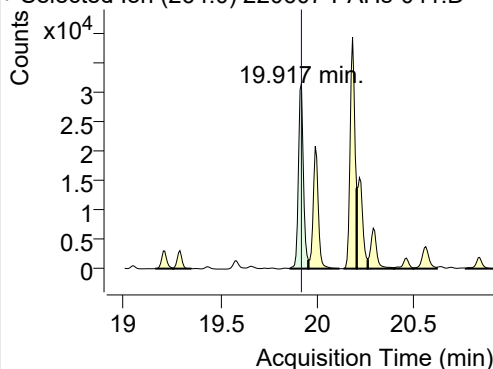


+ SIM (19.447-19.497 min, 8 scans) (**) 22060

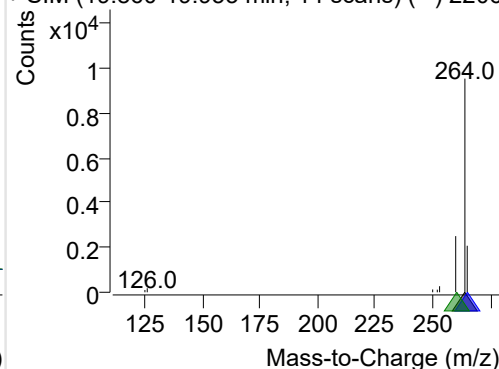
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-041.D

264.0, 265.0, 260.0

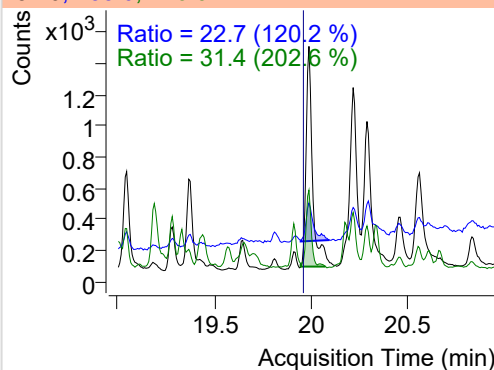
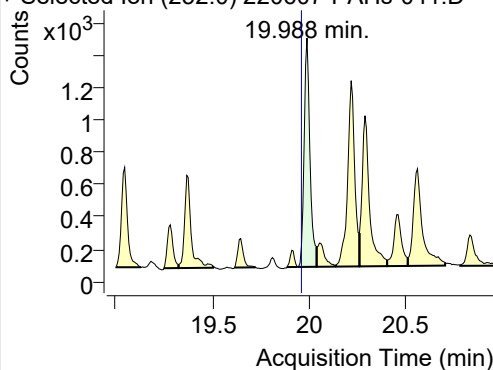


+ SIM (19.860-19.953 min, 14 scans) (**) 2206

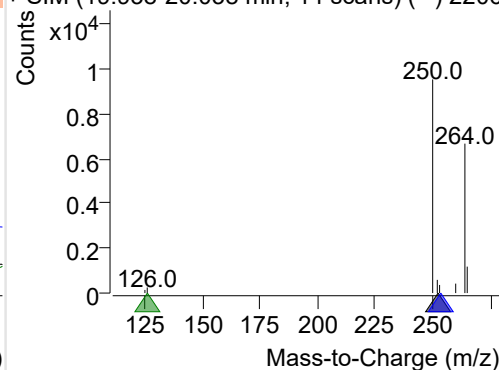
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-041.D

252.0, 253.0, 126.0

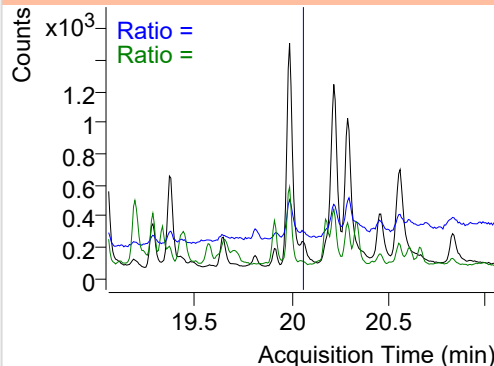
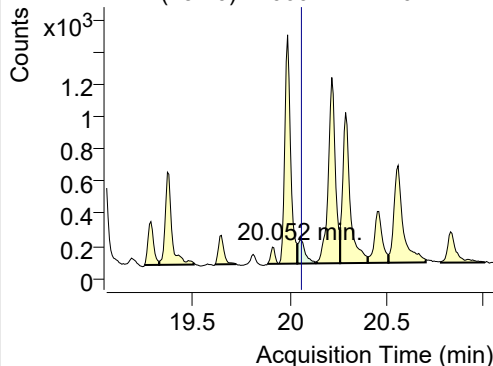


+ SIM (19.938-20.038 min, 14 scans) (**) 2206

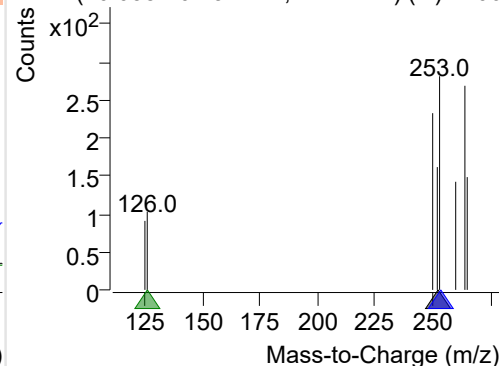
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-041.D

252.0, 253.0, 126.0

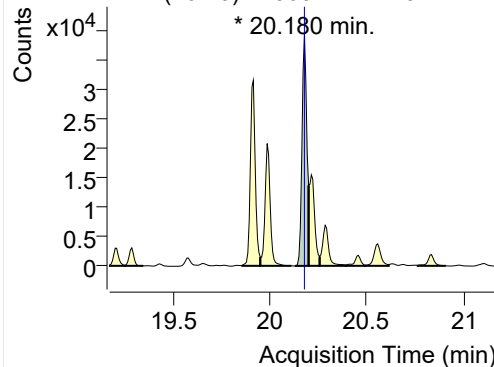


+ SIM (20.038-20.131 min, 14 scans) (**) 2206

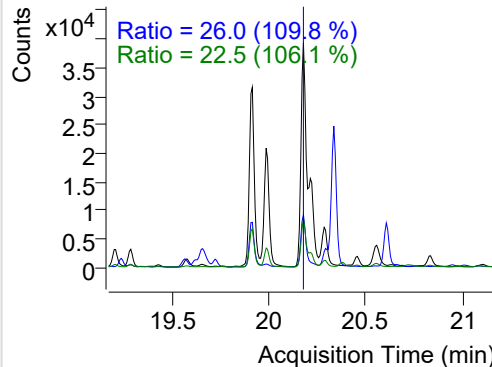


IS-D12-Perylene

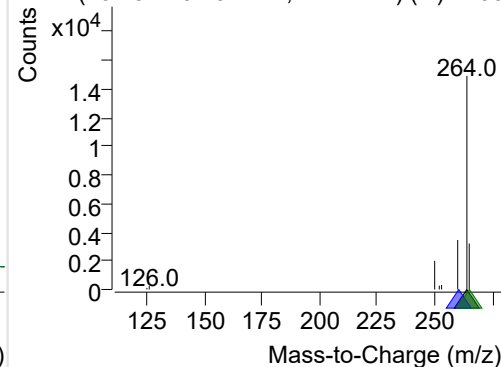
+ Selected Ion (264.0) 220607-PAHs-041.D



264.0, 260.0, 265.0

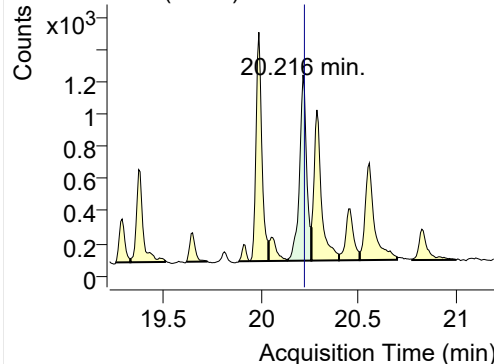


+ SIM (20.131-20.202 min, 11 scans) (**) 2206

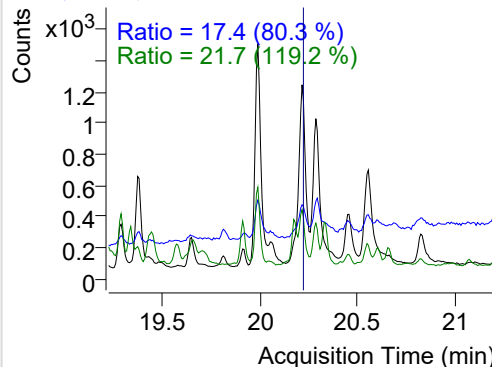


Perylene

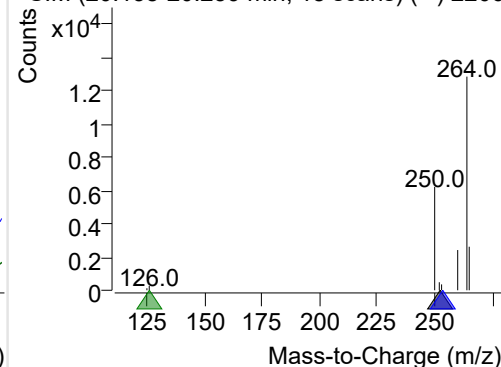
+ Selected Ion (252.0) 220607-PAHs-041.D



252.0, 253.0, 126.0

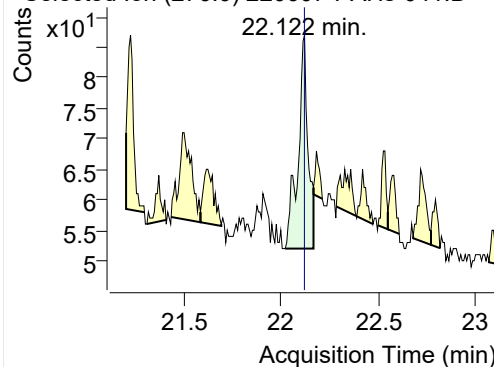


+ SIM (20.138-20.259 min, 18 scans) (**) 2206

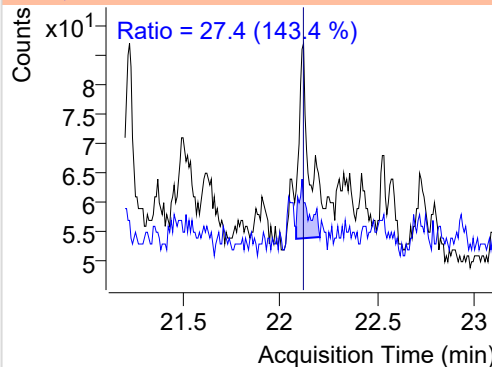


Indeno(1,2,3-c,d)pyrene

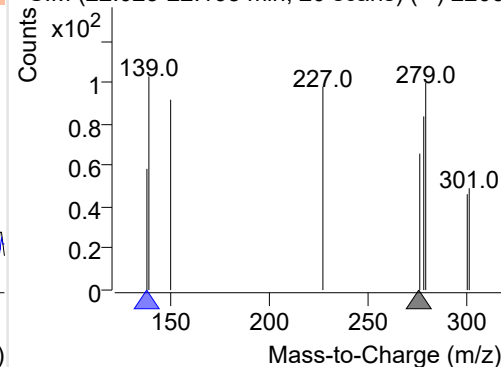
+ Selected Ion (276.0) 220607-PAHs-041.D



276.0, 138.0

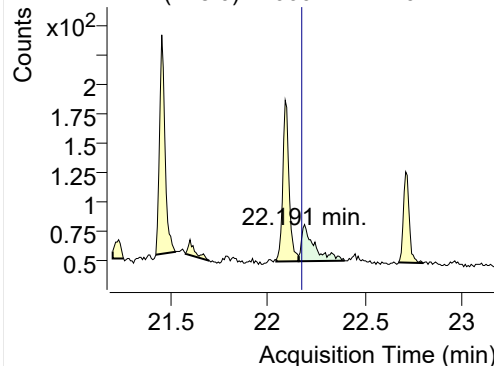


+ SIM (22.023-22.168 min, 20 scans) (**) 2206

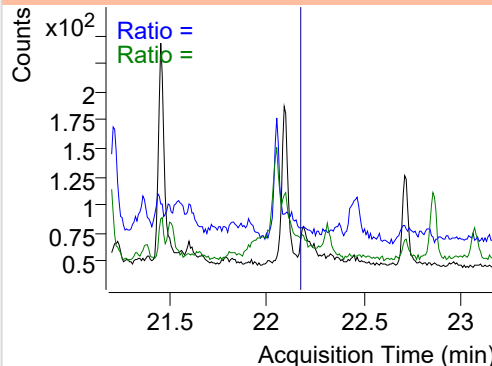


Dibenz(a,h)anthracene

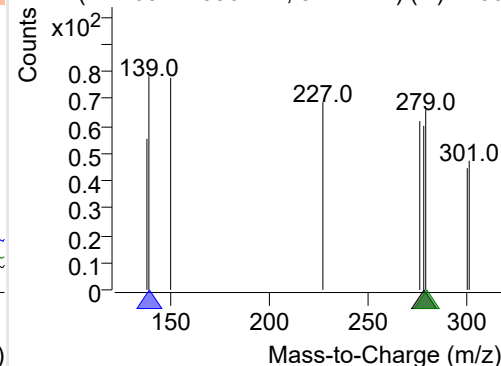
+ Selected Ion (278.0) 220607-PAHs-041.D



278.0, 139.0, 279.0



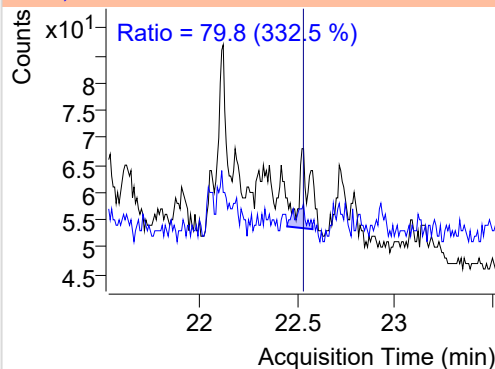
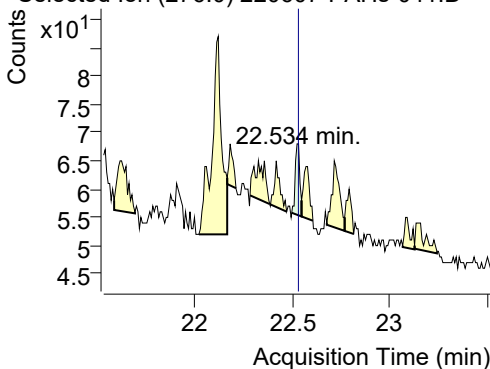
+ SIM (22.160-22.396 min, 31 scans) (**) 2206



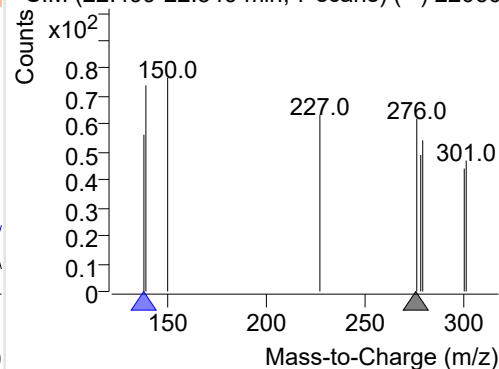
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-041.D

276.0, 138.0

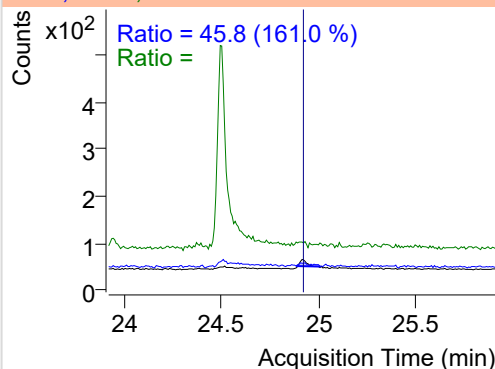
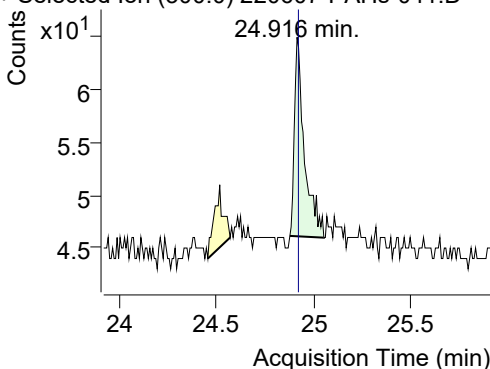


+ SIM (22.499-22.549 min, 7 scans) (**) 22060

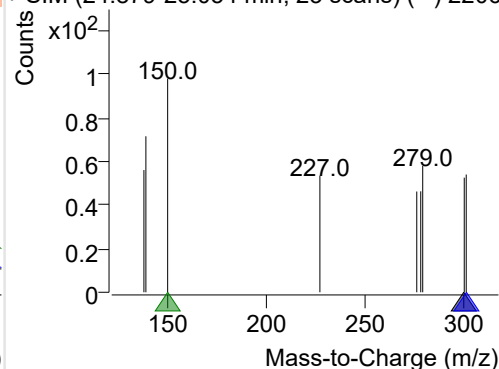
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-041.D

300.0, 301.0, 150.0



+ SIM (24.879-25.054 min, 23 scans) (**) 2206



Quantitative Analysis Sample Based Report

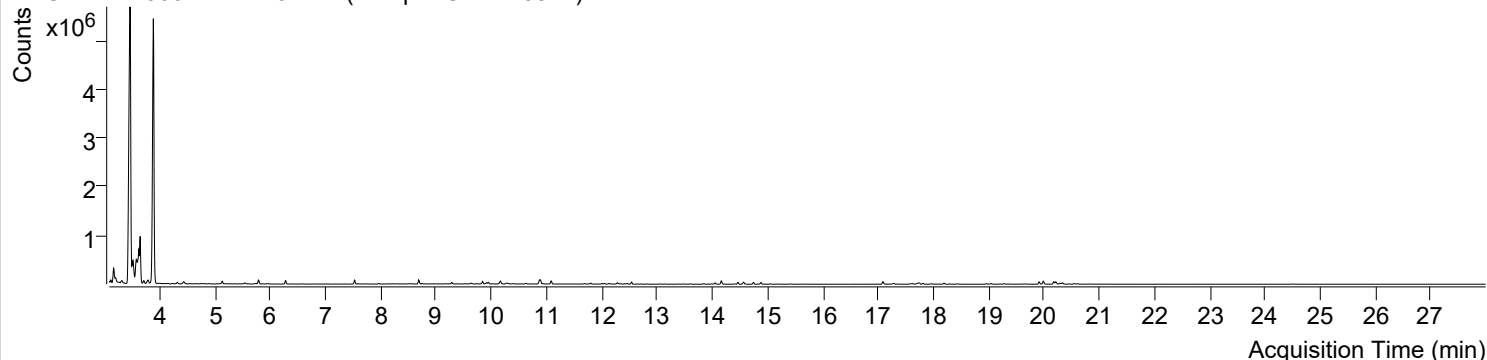


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 7:14:59	Data File	220607-PAHs-042.D
Type	Sample	Name	Sample-Gas-220511
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

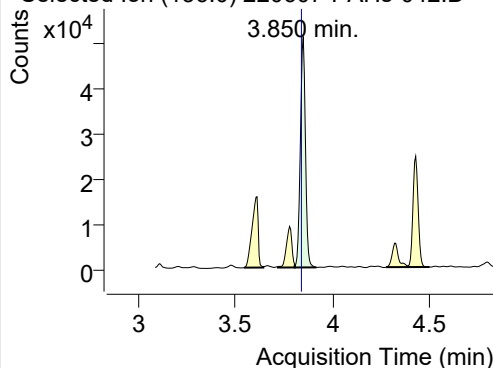
+ TIC SIM 220607-PAHs-042.D (Sample-Gas-220511)



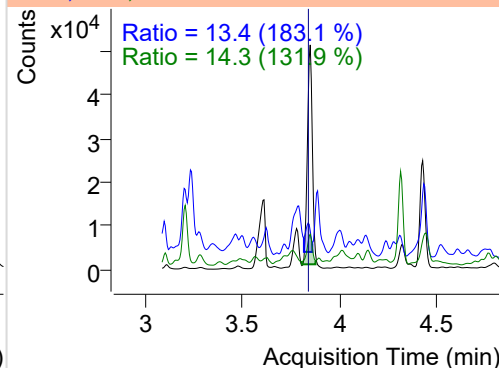
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.850	136.0	93238	51278.73	ND ng/ml	14.3
Naphthalene	3.883	128.0	7953696	4298608.72	ND ng/ml	13.7
Acenaphthylene	7.165	152.0	845	578.63	ND ng/ml	
IS-D10-Acenaphthene	7.526	164.0	55038	38843.22	ND ng/ml	95.9
Acenaphthene	7.591	154.0	3641	2399.31	ND ng/ml	119.8
LSS-D10-Fluorene	8.684	176.0	57117	36748.58	ND ng/ml	92.0
Fluorene	8.747	166.0	7438	5088.50	ND ng/ml	98.9
IS-D10-Phenanthrene	10.889	188.0	93698	62894.50	ND ng/ml	14.7
Phenanthrene	10.942	178.0	5488	3364.43	ND ng/ml	18.9
Anthracene	11.036	178.0	486	290.23	ND ng/ml	
Fluoranthene	13.710	202.0	354	213.47	ND ng/ml	
LSS-D10-Pyrene	14.165	212.0	78402	49341.91	ND ng/ml	17.2
Pyrene	14.208	202.0	843	454.15	ND ng/ml	64.4
Benz(a)anthracene	17.087	228.0	120	89.34	ND ng/ml	
IS-D12-Chrysene	17.087	240.0	67718	39234.02	ND ng/ml	19.0
Chrysene	17.287	228.0	781	399.67	ND ng/ml	40.3
Benzo(b)fluoranthene	19.369	252.0	1302	589.75	ND ng/ml	13.6
Benzo(k)fluoranthene	19.369	252.0	1302	589.75	ND ng/ml	13.6
SS-D12-Benzo(e)pyrene	19.910	264.0	58216	32120.83	ND ng/ml	25.6
Benzo(e)pyrene	19.988	252.0	2960	1451.20	ND ng/ml	21.1
Benzo(a)pyrene	20.060	252.0	368	146.68	ND ng/ml	
IS-D12-Perylene	20.181	264.0	62801	34512.05	ND ng/ml	26.4
Perylene	20.216	252.0	2907	1213.53	ND ng/ml	20.9
Indeno(1,2,3-c,d)pyrene	22.114	276.0	79	25.71	ND ng/ml	41.5
Dibenz(a,h)anthracene	22.183	278.0	101	26.76	ND ng/ml	18.1
Benzo(g,h,i)perylene	22.527	276.0	24	15.88	ND ng/ml	
Coronene	24.924	300.0	55	14.98	ND ng/ml	

IS-D8-Naphthalene

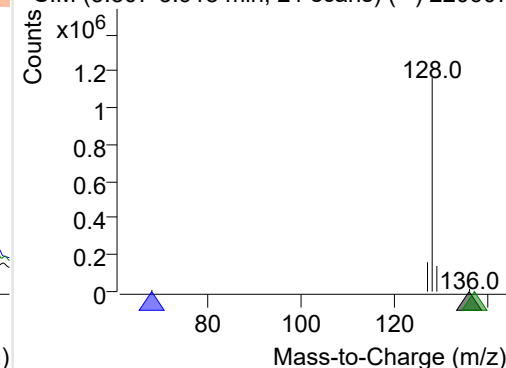
+ Selected Ion (136.0) 220607-PAHs-042.D



136.0, 68.0, 137.0

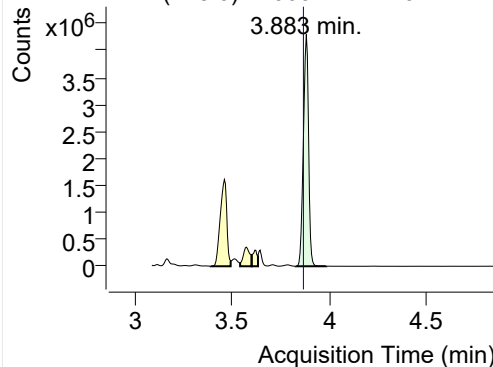


+ SIM (3.807-3.918 min, 21 scans) (**) 220607

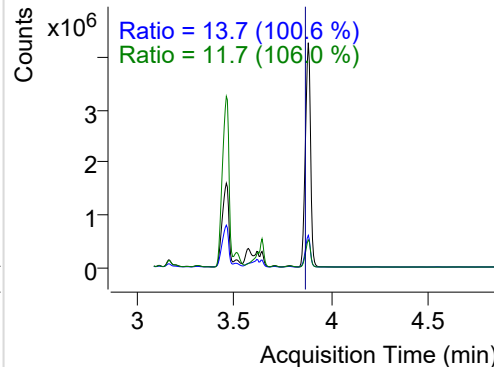


Naphthalene

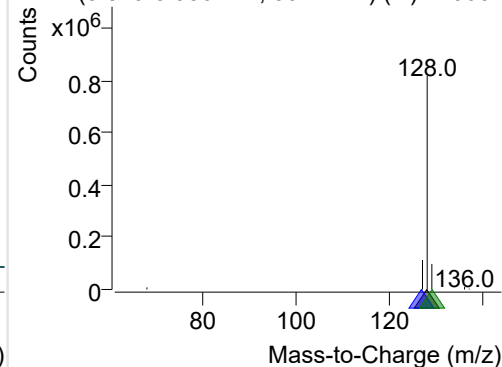
+ Selected Ion (128.0) 220607-PAHs-042.D



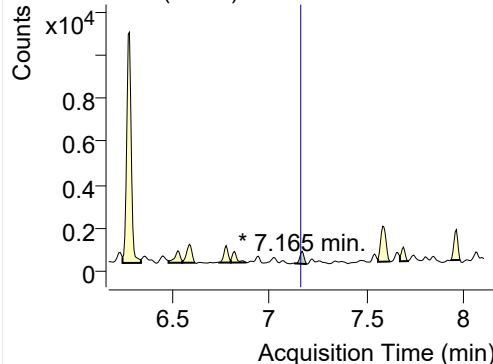
128.0, 127.0, 129.0



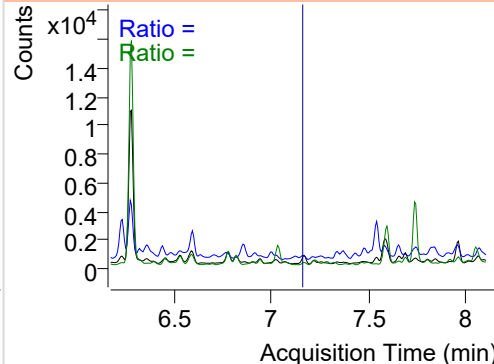
+ SIM (3.829-3.986 min, 30 scans) (**) 220607

**Acenaphthylene**

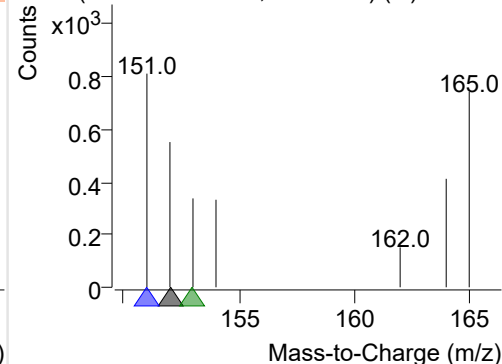
+ Selected Ion (152.0) 220607-PAHs-042.D



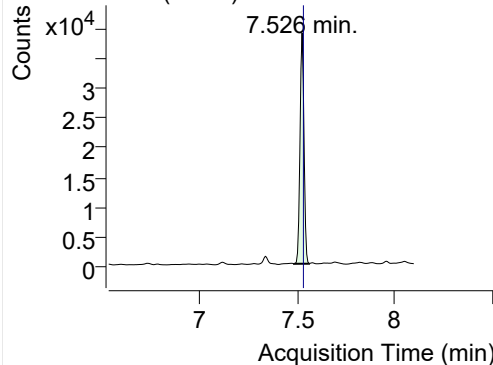
152.0, 151.0, 153.0



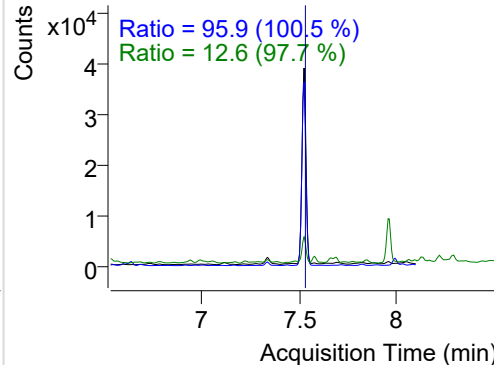
+ SIM (7.124-7.189 min, 12 scans) (**) 220607

**IS-D10-Acenaphthene**

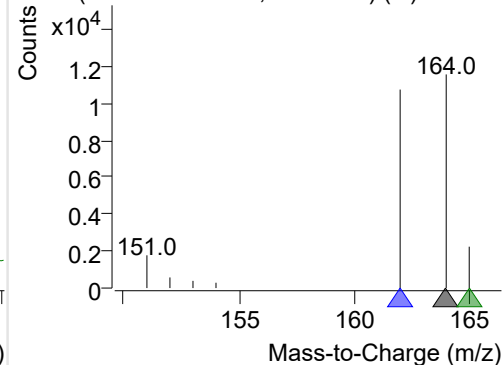
+ Selected Ion (164.0) 220607-PAHs-042.D



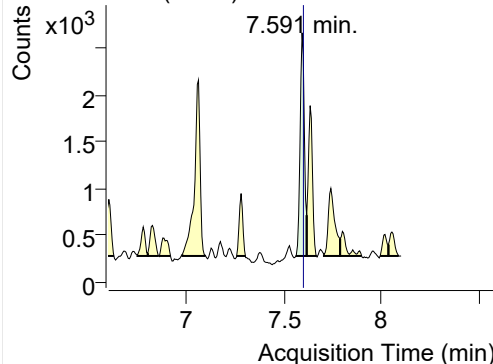
164.0, 162.0, 165.0



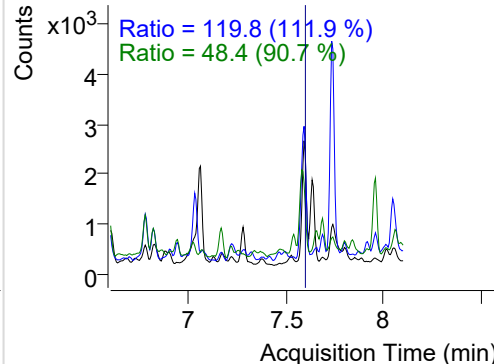
+ SIM (7.485-7.562 min, 14 scans) (**) 220607

**Acenaphthene**

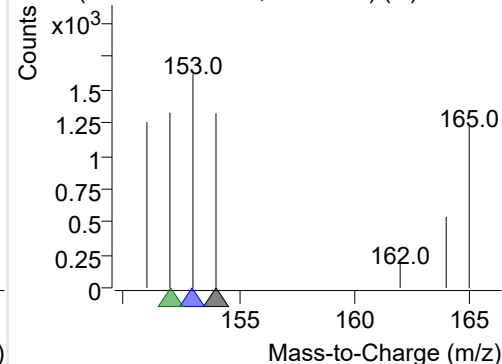
+ Selected Ion (154.0) 220607-PAHs-042.D



154.0, 153.0, 152.0

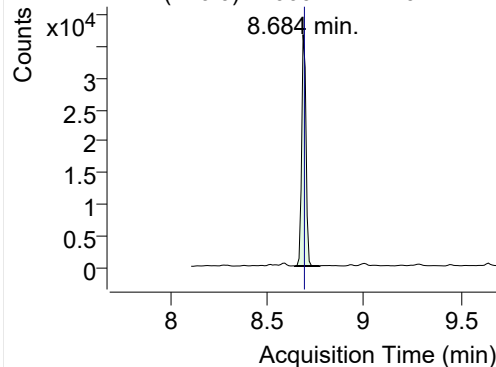


+ SIM (7.559-7.615 min, 10 scans) (**) 220607

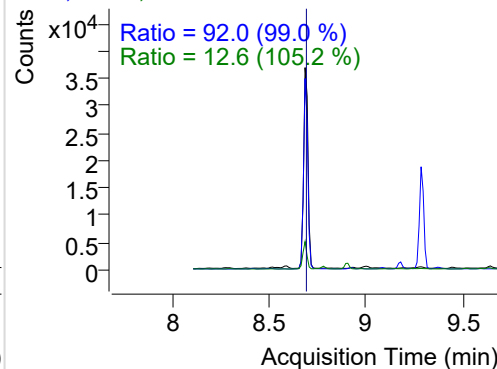


LSS-D10-Fluorene

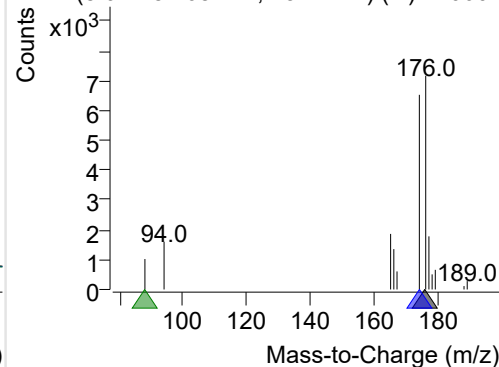
+ Selected Ion (176.0) 220607-PAHs-042.D



176.0, 174.0, 88.0

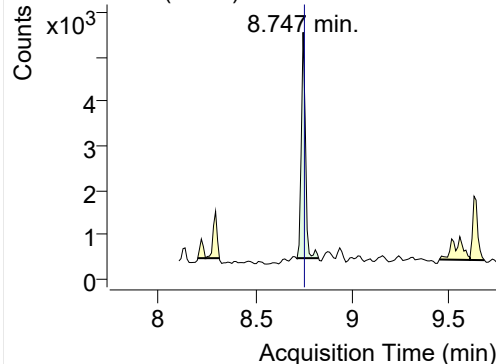


+ SIM (8.642-8.768 min, 13 scans) (**) 220607

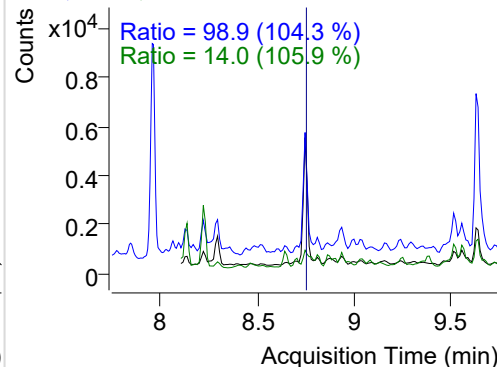


Fluorene

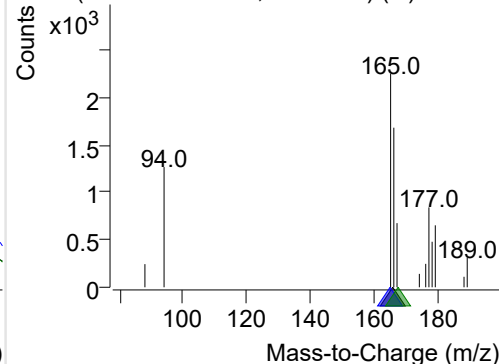
+ Selected Ion (166.0) 220607-PAHs-042.D



166.0, 165.0, 167.0

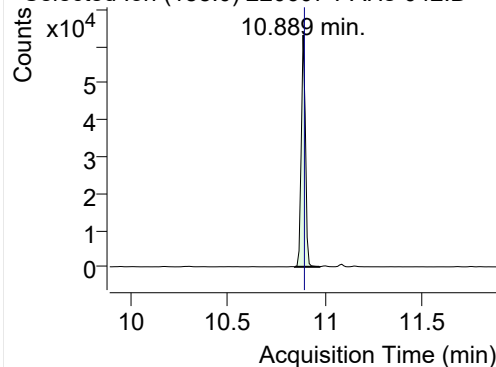


+ SIM (8.716-8.827 min, 10 scans) (**) 220607

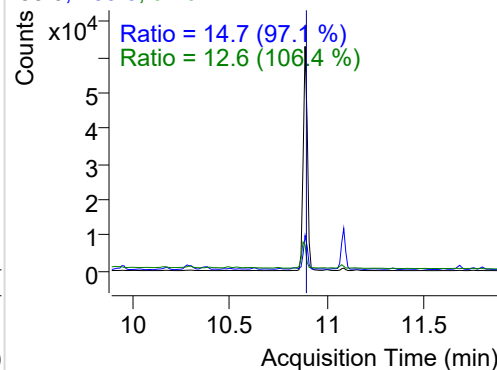


IS-D10-Phenanthrene

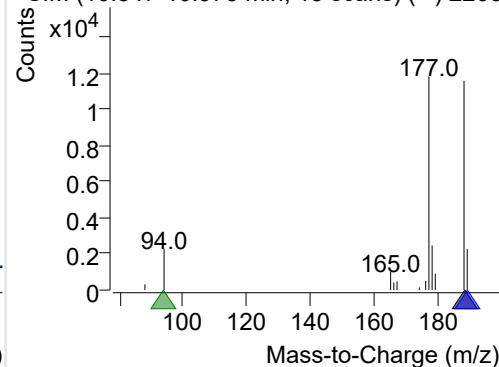
+ Selected Ion (188.0) 220607-PAHs-042.D



188.0, 189.0, 94.0

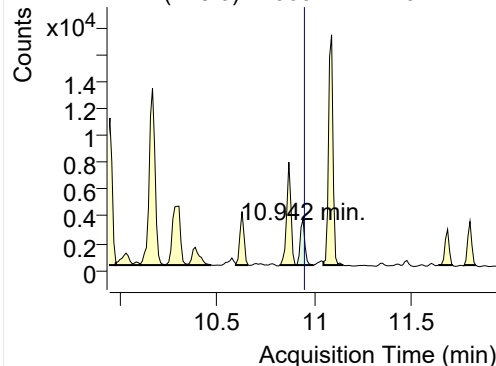


+ SIM (10.847-10.973 min, 13 scans) (**) 2206

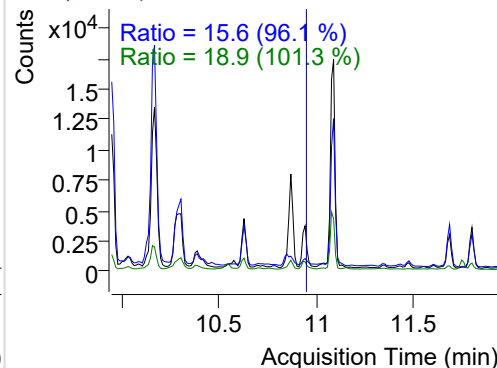


Phenanthrene

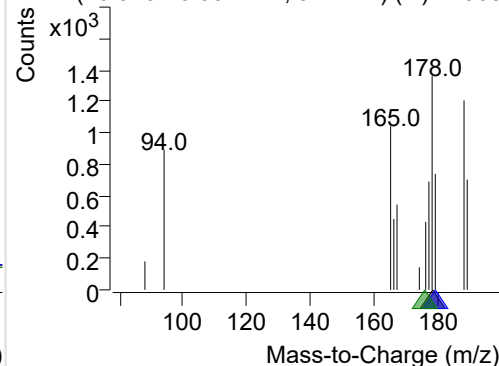
+ Selected Ion (178.0) 220607-PAHs-042.D



178.0, 179.0, 176.0

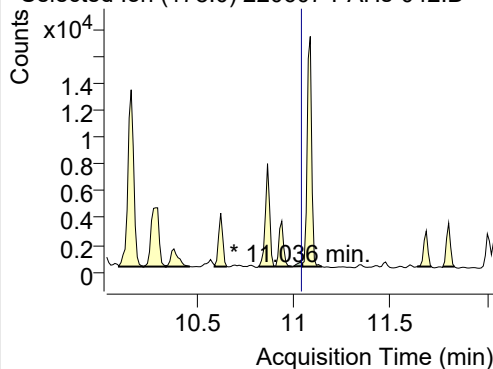


+ SIM (10.910-10.994 min, 9 scans) (**) 22060

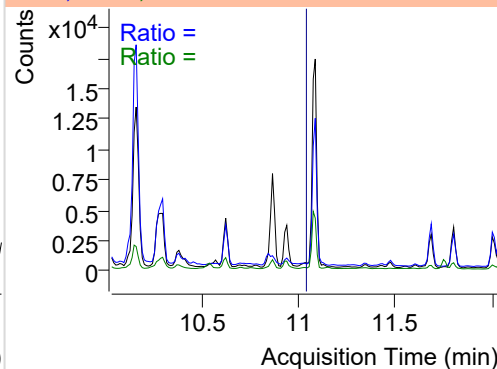


Anthracene

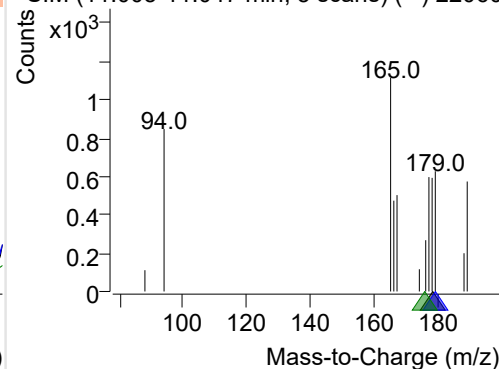
+ Selected Ion (178.0) 220607-PAHs-042.D



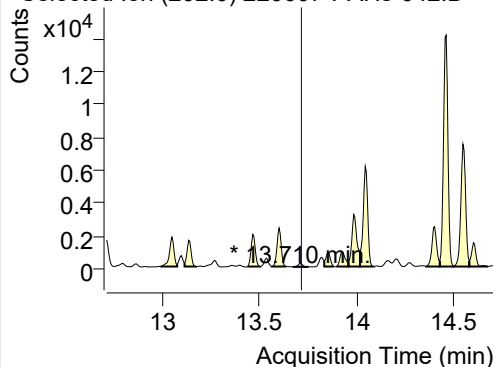
178.0, 179.0, 176.0



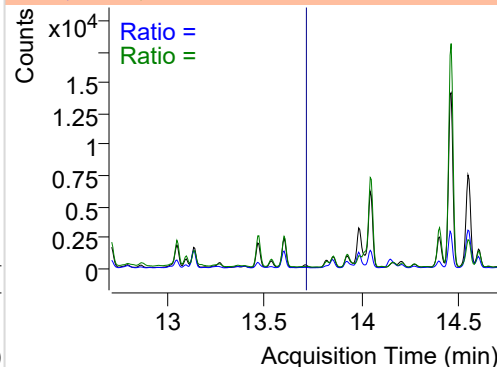
+ SIM (11.005-11.047 min, 5 scans) (**) 22060

**Fluoranthene**

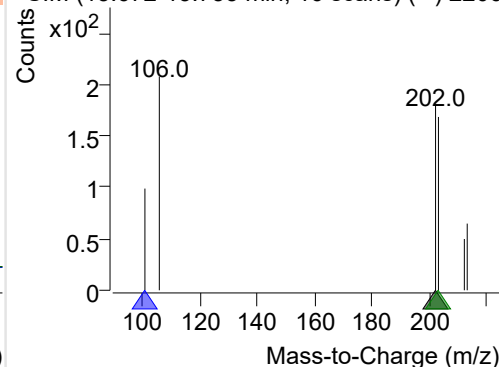
+ Selected Ion (202.0) 220607-PAHs-042.D



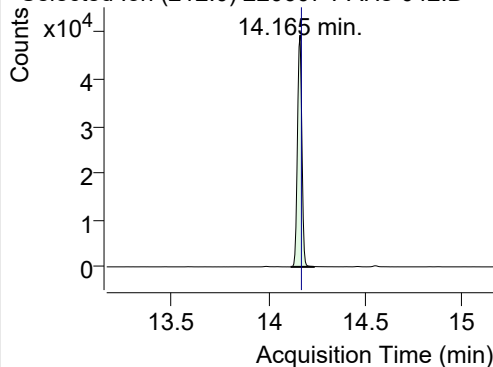
202.0, 101.0, 203.0



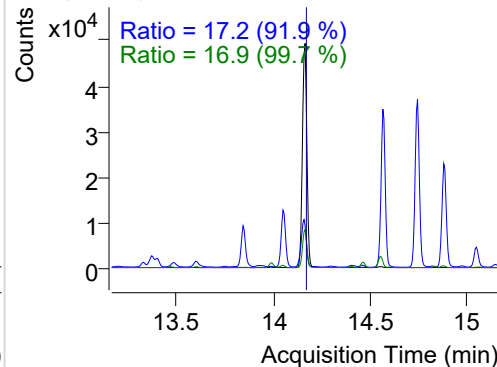
+ SIM (13.672-13.753 min, 16 scans) (**) 2206

**LSS-D10-Pyrene**

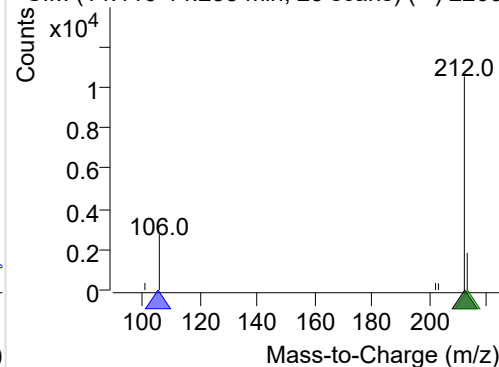
+ Selected Ion (212.0) 220607-PAHs-042.D



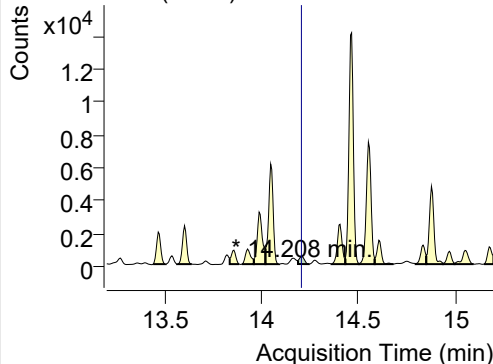
212.0, 106.0, 213.0



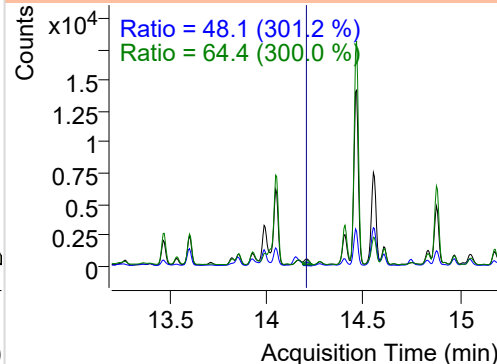
+ SIM (14.116-14.235 min, 23 scans) (**) 2206

**Pyrene**

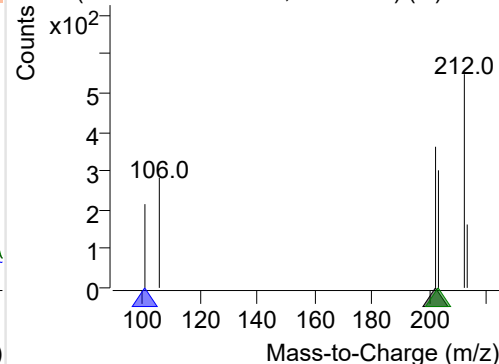
+ Selected Ion (202.0) 220607-PAHs-042.D



202.0, 101.0, 203.0



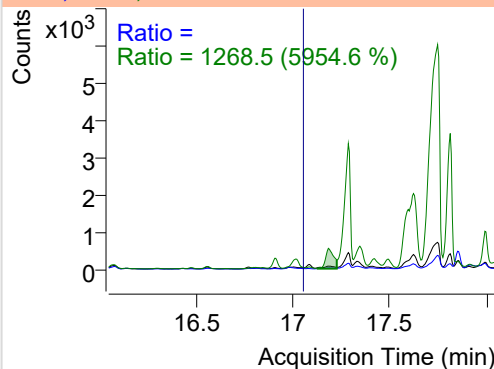
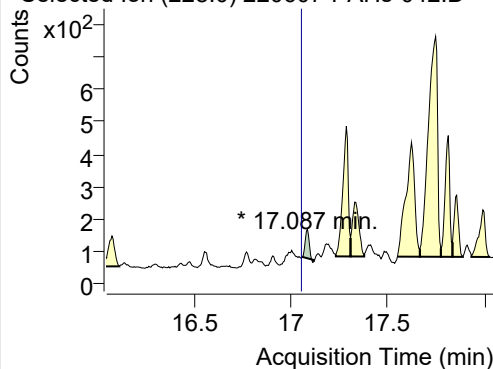
+ SIM (14.187-14.246 min, 12 scans) (**) 2206



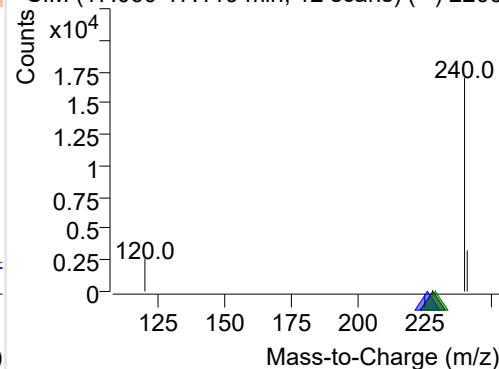
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-042.D

228.0, 226.0, 229.0

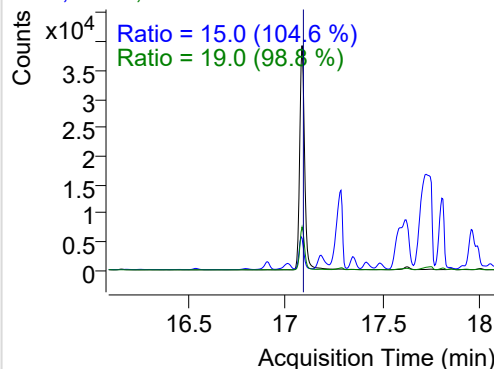
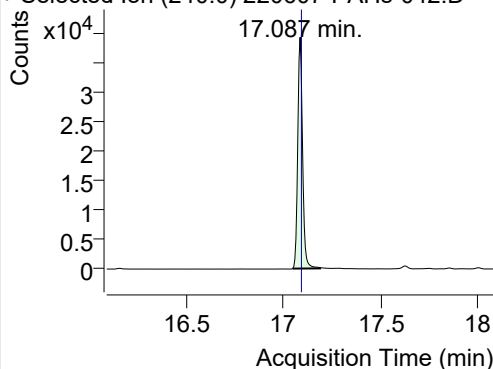


+ SIM (17.060-17.119 min, 12 scans) (**) 2206

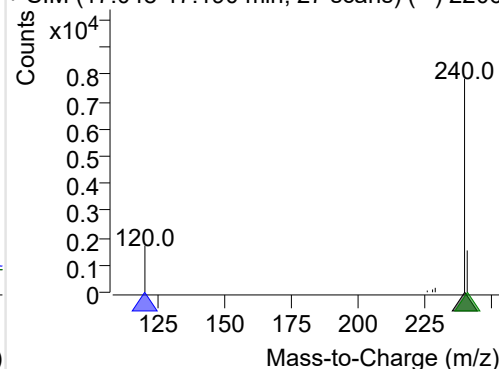
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-042.D

240.0, 120.0, 241.0

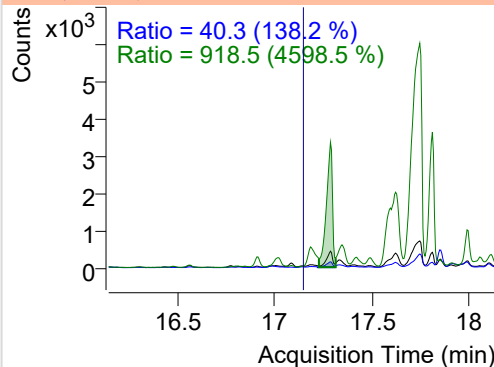
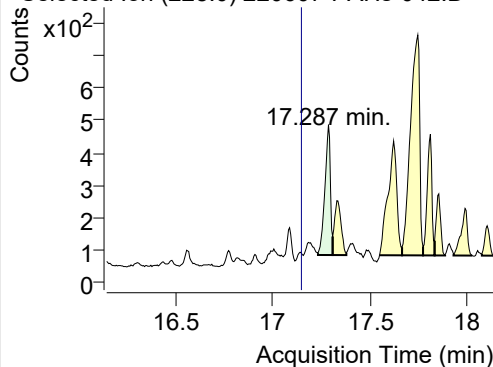


+ SIM (17.048-17.190 min, 27 scans) (**) 2206

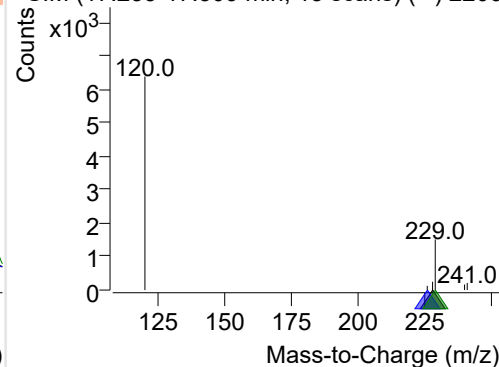
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-042.D

228.0, 226.0, 229.0

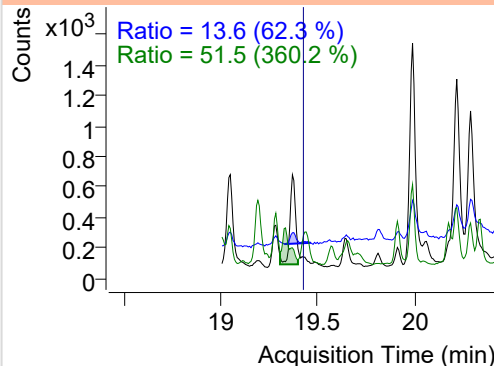
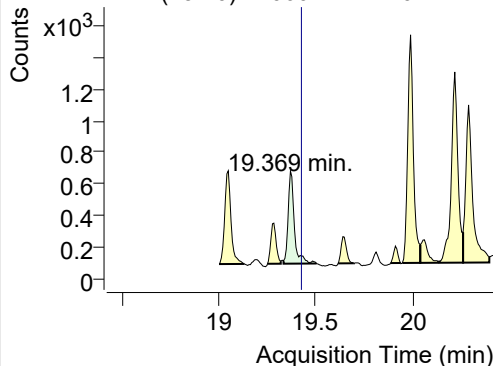


+ SIM (17.233-17.309 min, 15 scans) (**) 2206

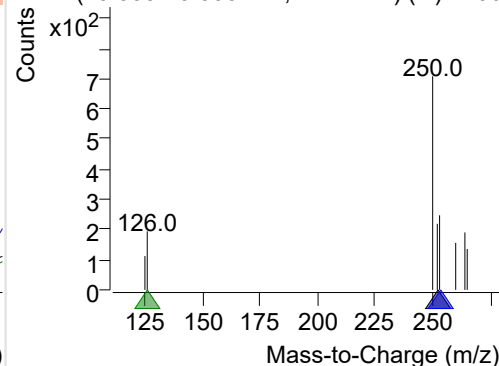
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-042.D

252.0, 253.0, 126.0



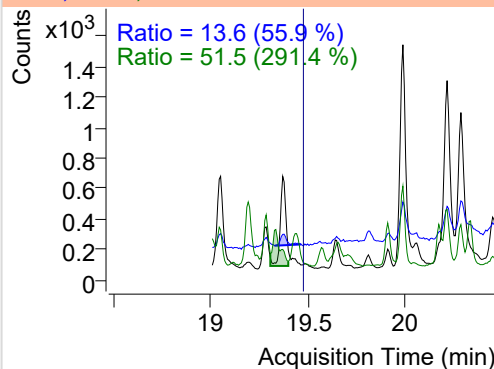
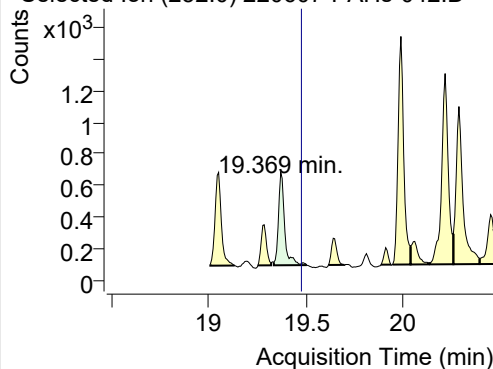
+ SIM (19.333-19.503 min, 24 scans) (**) 2206



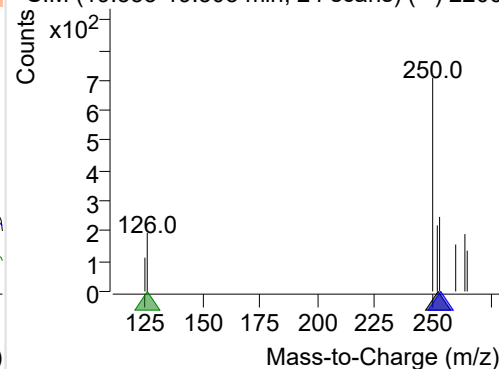
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-042.D

252.0, 253.0, 126.0

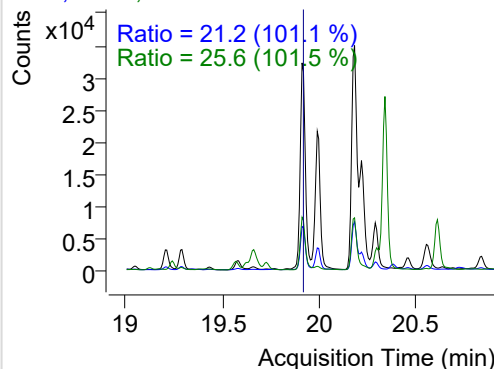
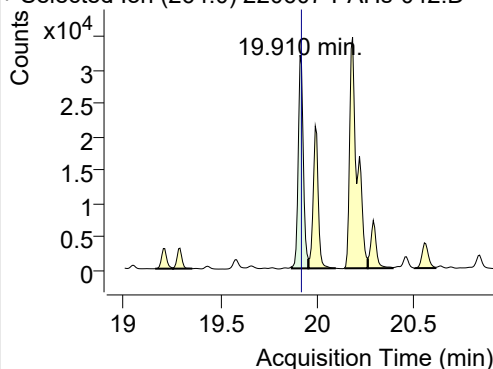


+ SIM (19.333-19.503 min, 24 scans) (**) 2206

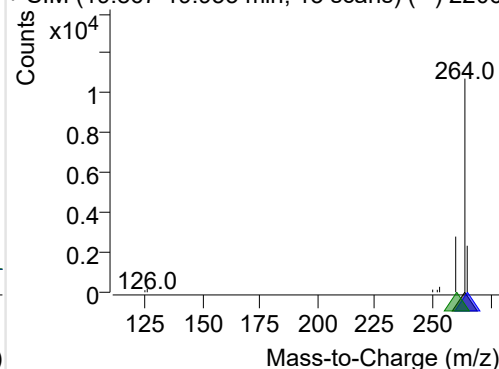
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-042.D

264.0, 265.0, 260.0

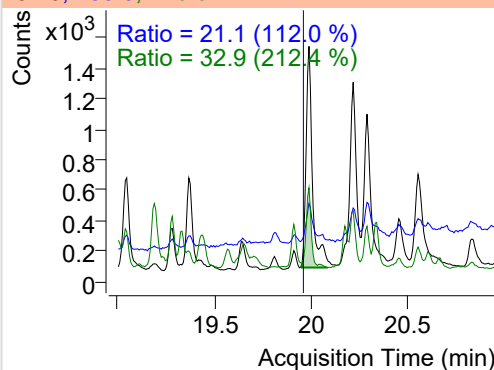
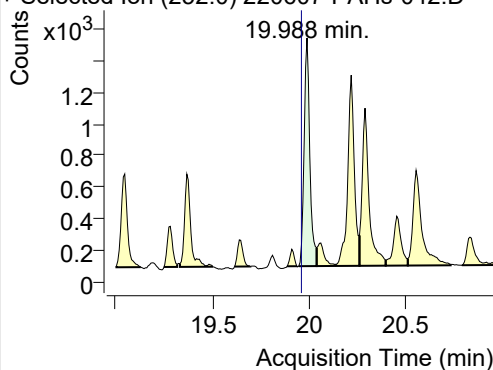


+ SIM (19.867-19.953 min, 13 scans) (**) 2206

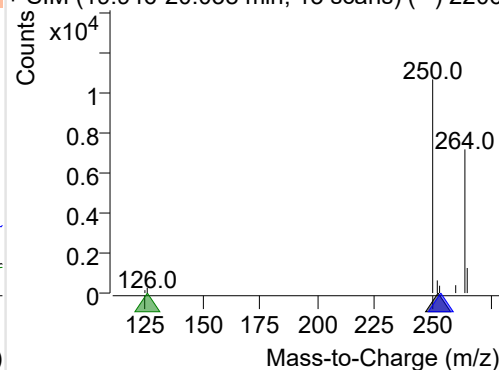
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-042.D

252.0, 253.0, 126.0

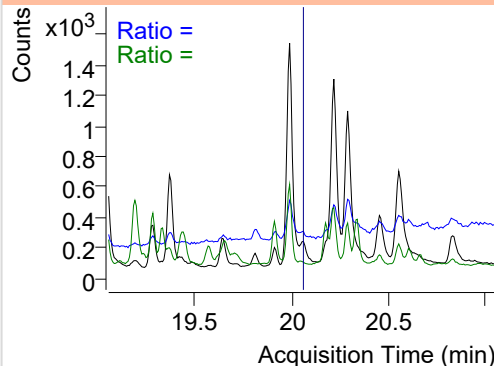
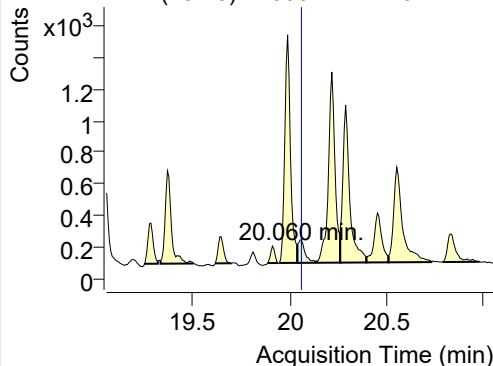


+ SIM (19.946-20.038 min, 13 scans) (**) 2206

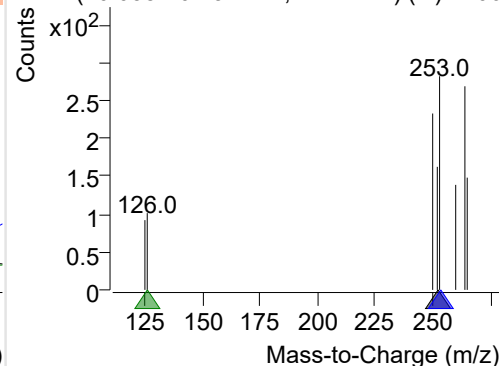
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-042.D

252.0, 253.0, 126.0

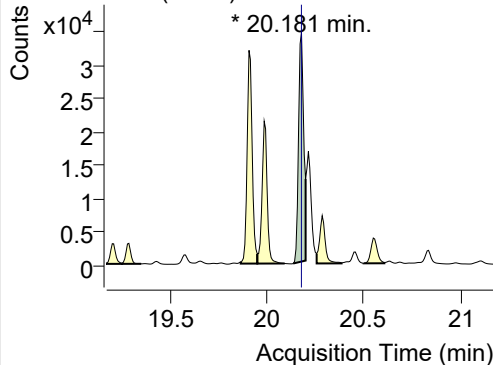


+ SIM (20.038-20.131 min, 14 scans) (**) 2206

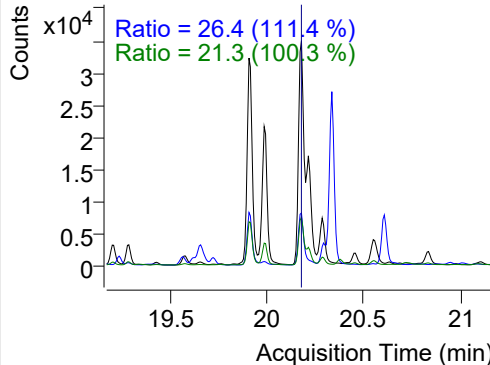


IS-D12-Perylene

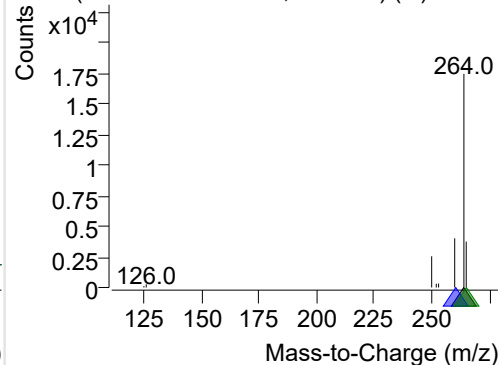
+ Selected Ion (264.0) 220607-PAHs-042.D



264.0, 260.0, 265.0

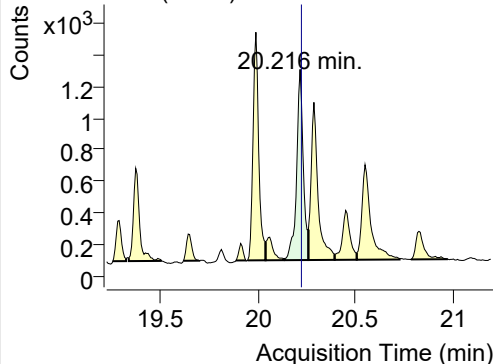


+ SIM (20.138-20.202 min, 9 scans) (**) 22060

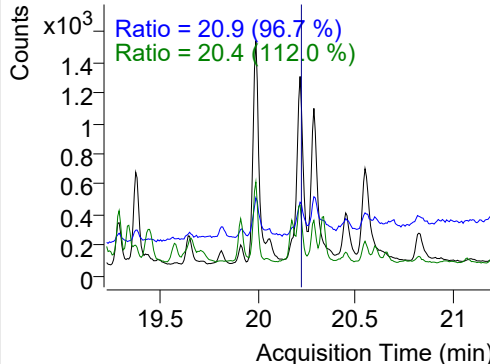


Perylene

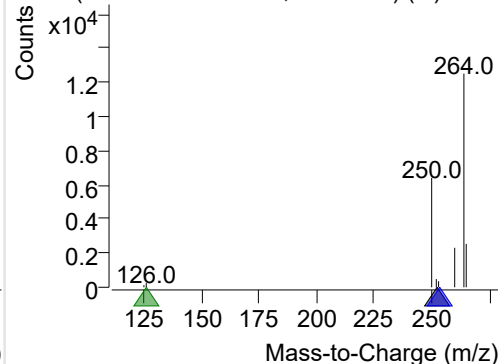
+ Selected Ion (252.0) 220607-PAHs-042.D



252.0, 253.0, 126.0

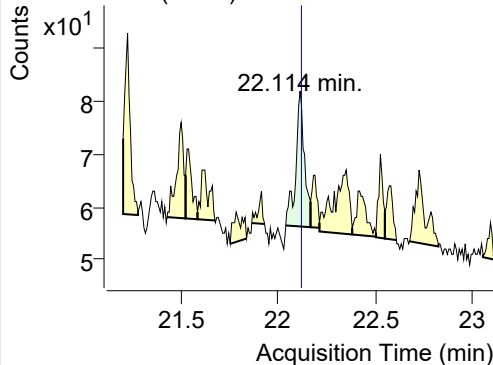


+ SIM (20.138-20.259 min, 18 scans) (**) 2206

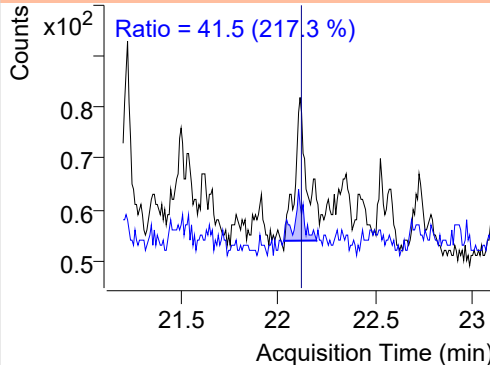


Indeno(1,2,3-c,d)pyrene

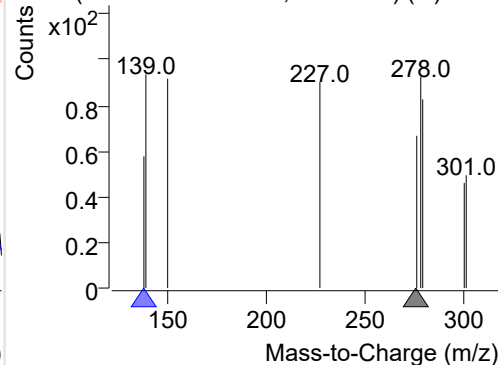
+ Selected Ion (276.0) 220607-PAHs-042.D



276.0, 138.0

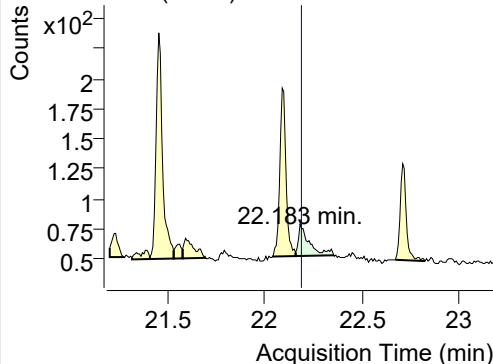


+ SIM (22.041-22.168 min, 17 scans) (**) 2206

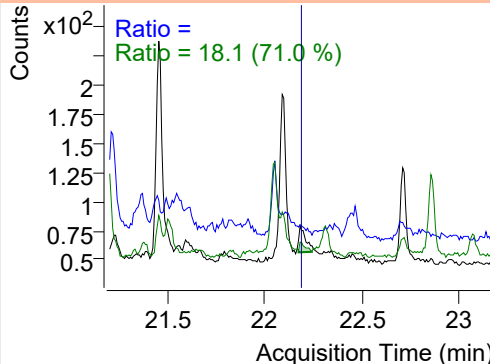


Dibenz(a,h)anthracene

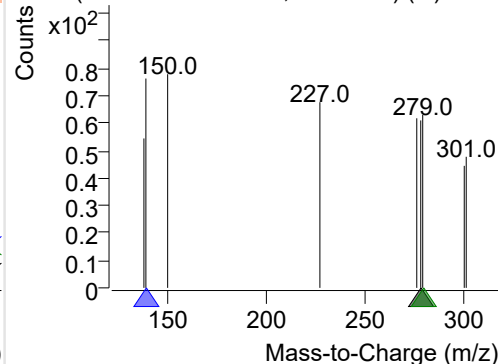
+ Selected Ion (278.0) 220607-PAHs-042.D



278.0, 139.0, 279.0



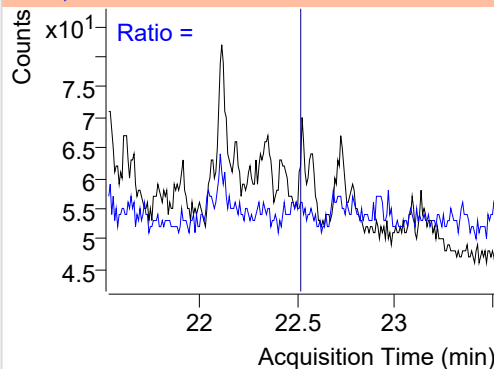
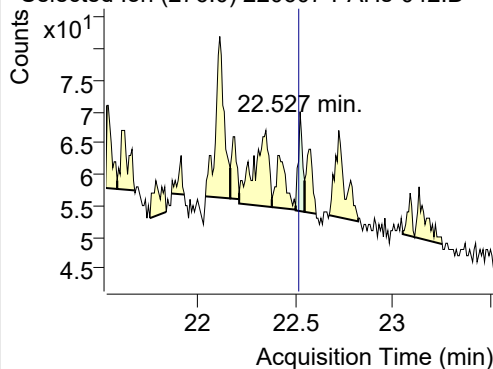
+ SIM (22.160-22.357 min, 26 scans) (**) 2206



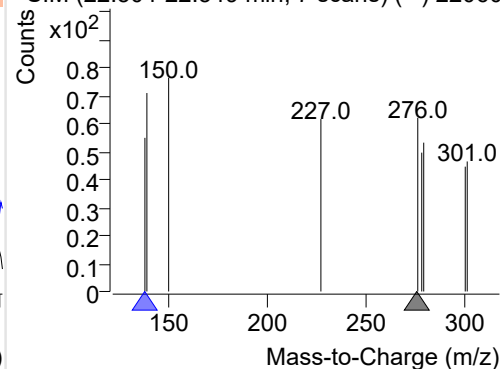
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-042.D

276.0, 138.0

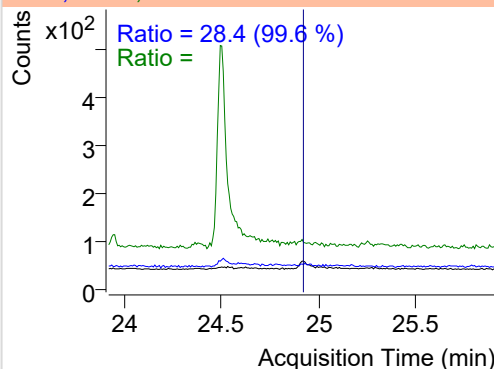
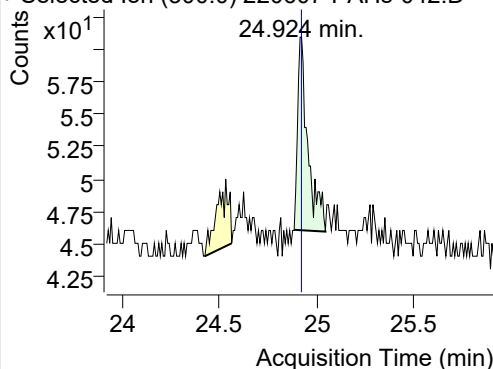


+ SIM (22.504-22.549 min, 7 scans) (**) 22060

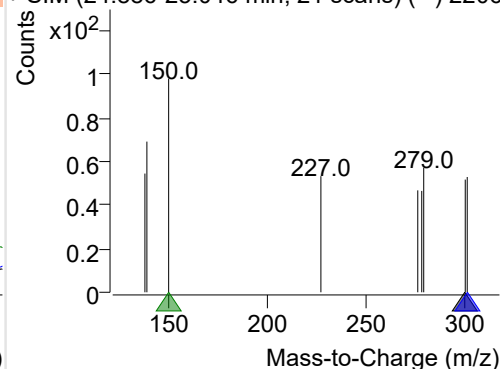
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-042.D

300.0, 301.0, 150.0



+ SIM (24.886-25.046 min, 21 scans) (**) 2206



Quantitative Analysis Sample Based Report

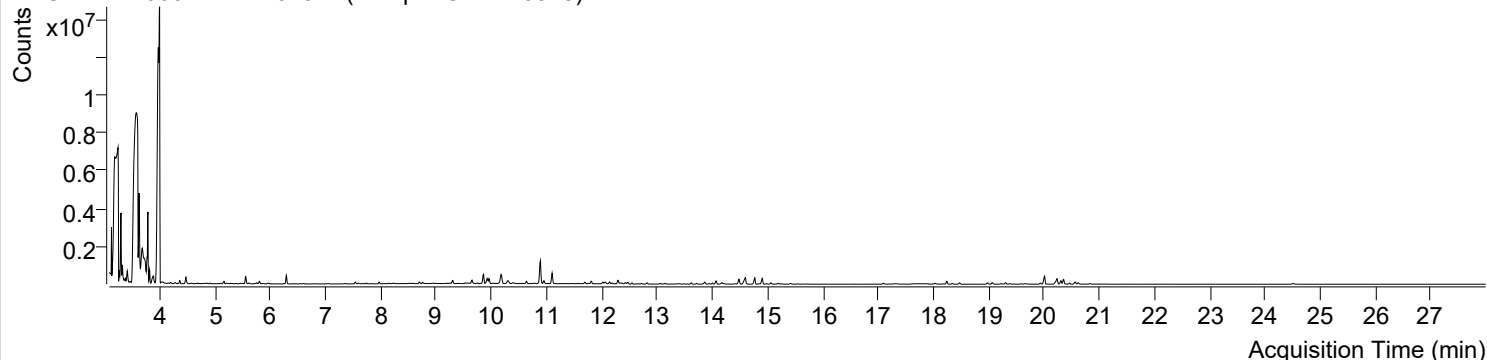


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 7:46:06	Data File	220607-PAHs-043.D
Type	Sample	Name	Sample-Gas-220518
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

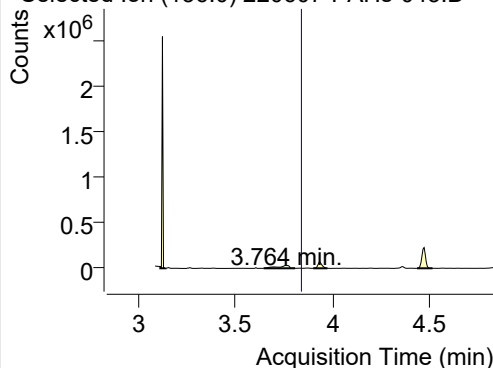
+ TIC SIM 220607-PAHs-043.D (Sample-Gas-220518)



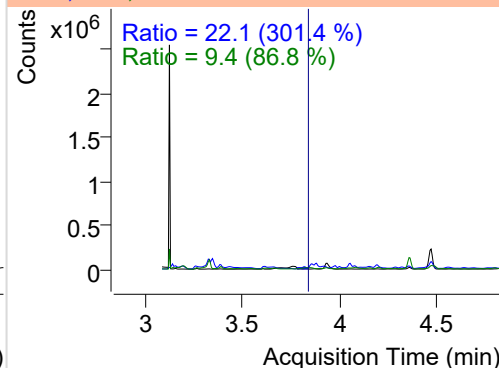
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.764	136.0	127878	31055.29	ND ng/ml	9.4
Naphthalene	3.976	128.0	27200272	8384914.85	ND ng/ml	18.9
Acenaphthylene	7.177	152.0	1753	1193.98	ND ng/ml	
IS-D10-Acenaphthene	7.538	164.0	60730	44060.23	ND ng/ml	104.7
Acenaphthene	7.603	154.0	17700	11376.89	ND ng/ml	120.8
LSS-D10-Fluorene	8.694	176.0	57418	37624.88	ND ng/ml	93.8
Fluorene	8.757	166.0	50342	33506.38	ND ng/ml	96.1
IS-D10-Phenanthrene	10.900	188.0	104447	67196.10	ND ng/ml	14.4
Phenanthrene	10.952	178.0	141705	98330.64	ND ng/ml	19.8
Anthracene	11.047	178.0	5124	2642.68	ND ng/ml	
Fluoranthene	13.721	202.0	36550	23635.21	ND ng/ml	18.8
LSS-D10-Pyrene	14.176	212.0	80200	50675.16	ND ng/ml	19.9
Pyrene	14.208	202.0	33123	18371.41	ND ng/ml	23.0
Benz(a)anthracene	17.060	228.0	99	71.23	ND ng/ml	850.3
IS-D12-Chrysene	17.092	240.0	82511	37766.01	ND ng/ml	19.0
Chrysene	17.141	228.0	2365	976.79	ND ng/ml	33.4
Benzo(b)fluoranthene	19.390	252.0	7736	4198.38	ND ng/ml	10.8
Benzo(k)fluoranthene	19.390	252.0	7736	4198.38	ND ng/ml	10.8
SS-D12-Benzo(e)pyrene	19.938	264.0	71877	39994.67	ND ng/ml	25.6
Benzo(e)pyrene	20.010	252.0	14593	7583.84	ND ng/ml	17.2
Benzo(a)pyrene	20.074	252.0	2235	1018.02	ND ng/ml	24.9
IS-D12-Perylene	20.216	264.0	92787	52294.55	ND ng/ml	22.4
Perylene	20.237	252.0	10212	4665.48	ND ng/ml	17.6
Indeno(1,2,3-c,d)pyrene	22.114	276.0	531	113.99	ND ng/ml	34.8
Dibenz(a,h)anthracene	22.198	278.0	497	98.02	ND ng/ml	
Benzo(g,h,i)perylene	22.534	276.0	89	50.58	ND ng/ml	70.8
Coronene	24.932	300.0	147	35.61	ND ng/ml	

IS-D8-Naphthalene

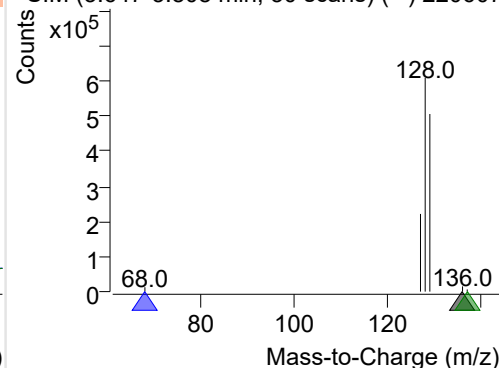
+ Selected Ion (136.0) 220607-PAHs-043.D



136.0, 68.0, 137.0

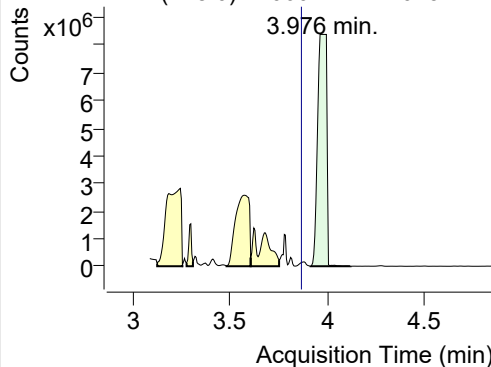


+ SIM (3.647-3.808 min, 30 scans) (**) 220607

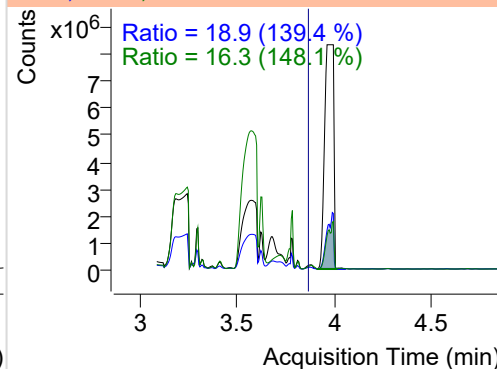


Naphthalene

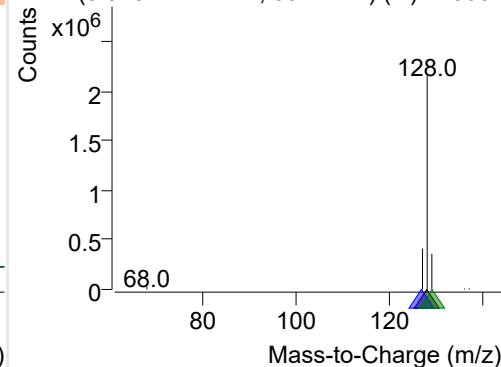
+ Selected Ion (128.0) 220607-PAHs-043.D



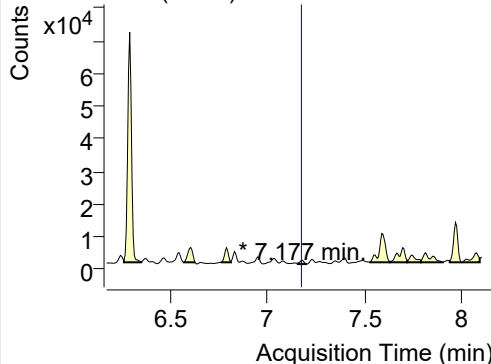
128.0, 127.0, 129.0



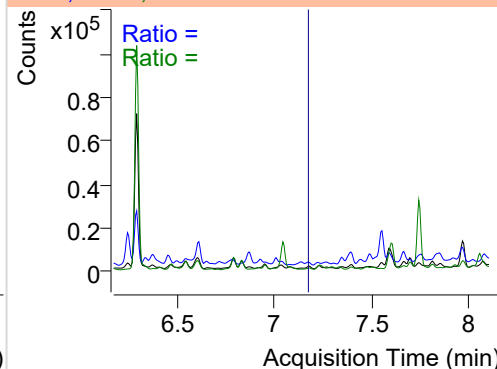
+ SIM (3.915-4.121 min, 39 scans) (**) 220607

**Acenaphthylene**

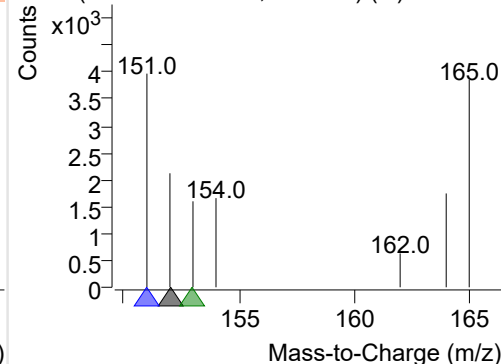
+ Selected Ion (152.0) 220607-PAHs-043.D



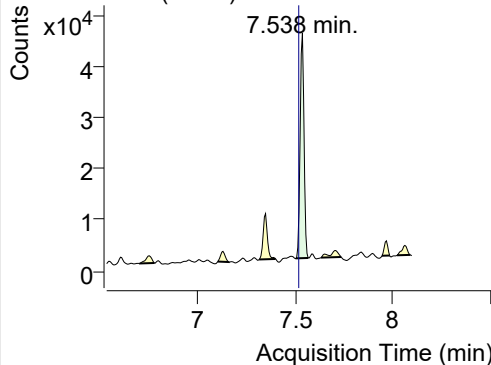
152.0, 151.0, 153.0



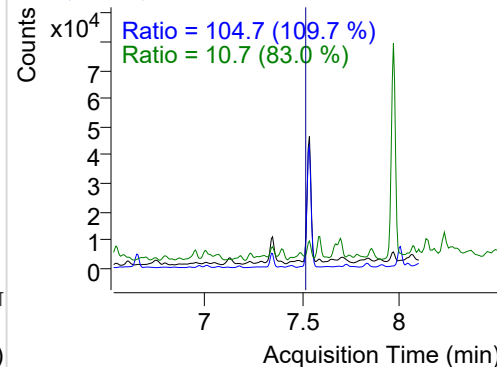
+ SIM (7.153-7.201 min, 9 scans) (**) 220607-I

**IS-D10-Acenaphthene**

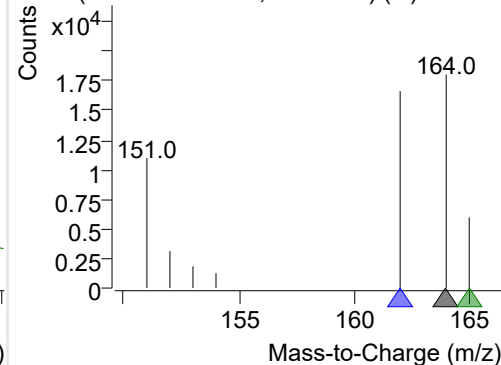
+ Selected Ion (164.0) 220607-PAHs-043.D



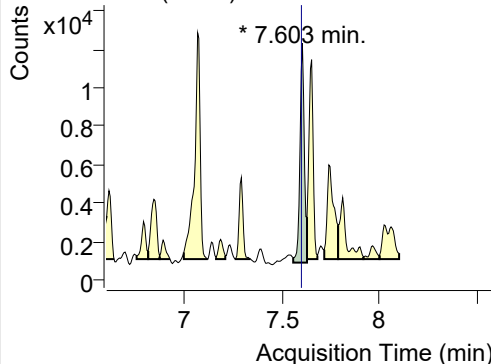
164.0, 162.0, 165.0



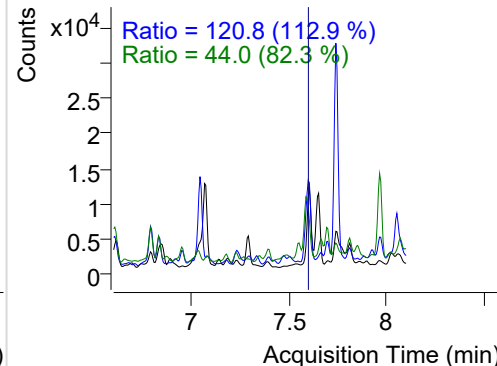
+ SIM (7.505-7.568 min, 11 scans) (**) 220607

**Acenaphthene**

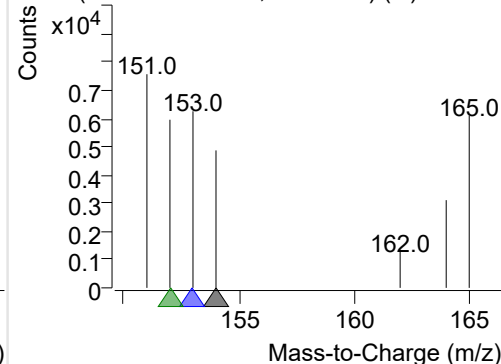
+ Selected Ion (154.0) 220607-PAHs-043.D



154.0, 153.0, 152.0

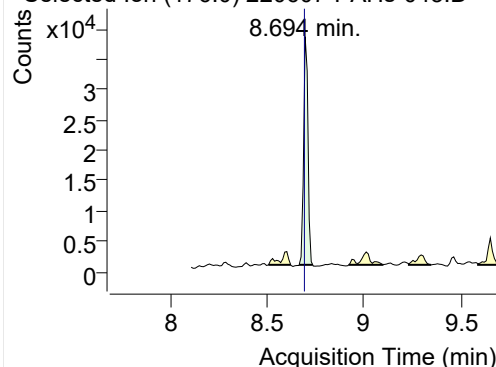


+ SIM (7.556-7.627 min, 13 scans) (**) 220607

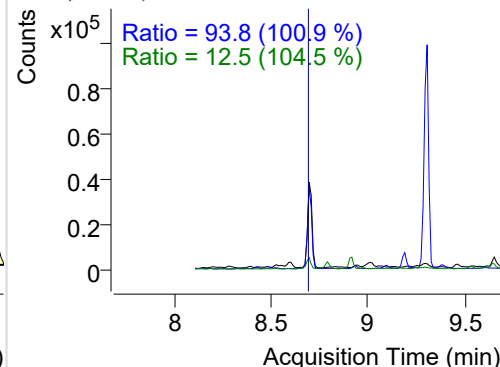


LSS-D10-Fluorene

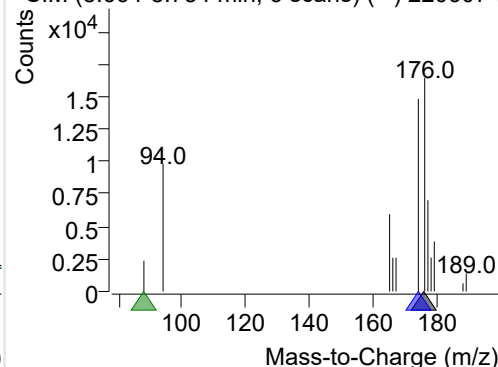
+ Selected Ion (176.0) 220607-PAHs-043.D



176.0, 174.0, 88.0

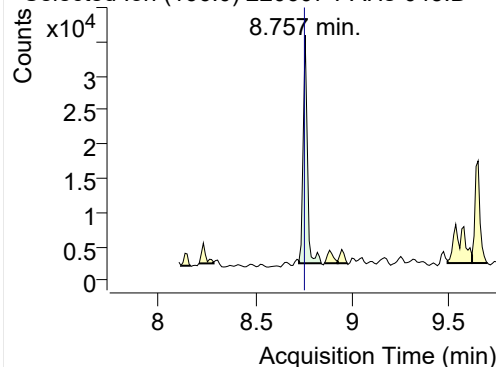


+ SIM (8.664-8.734 min, 6 scans) (**) 220607-I

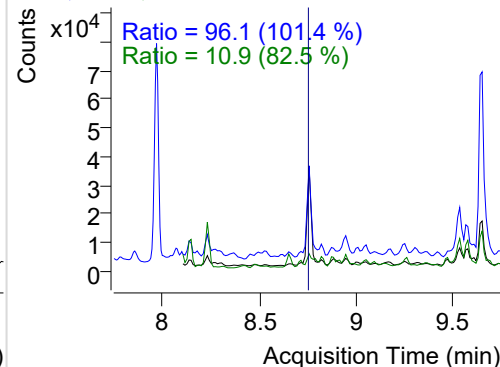


Fluorene

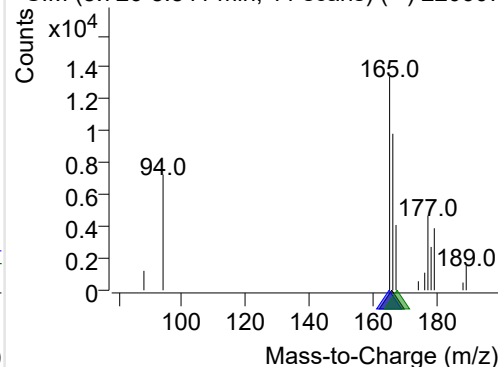
+ Selected Ion (166.0) 220607-PAHs-043.D



166.0, 165.0, 167.0

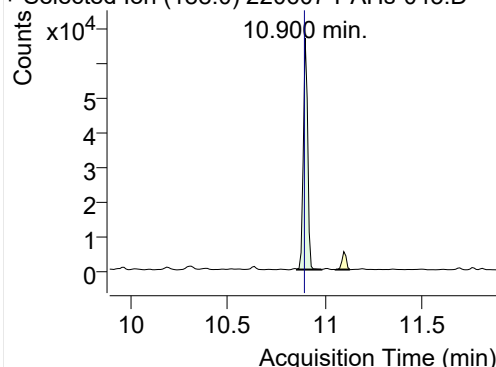


+ SIM (8.726-8.841 min, 11 scans) (**) 220607

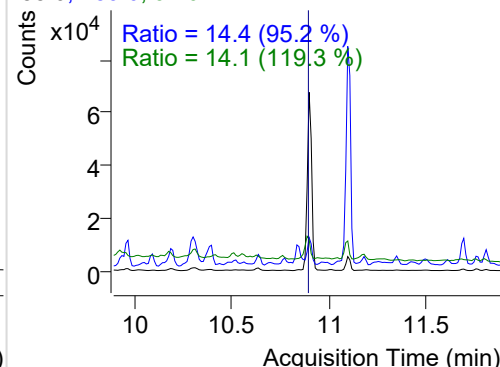


IS-D10-Phenanthrene

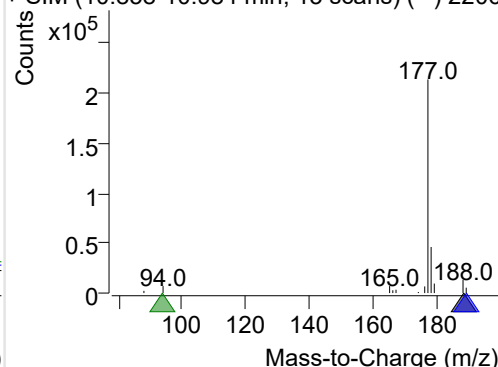
+ Selected Ion (188.0) 220607-PAHs-043.D



188.0, 189.0, 94.0

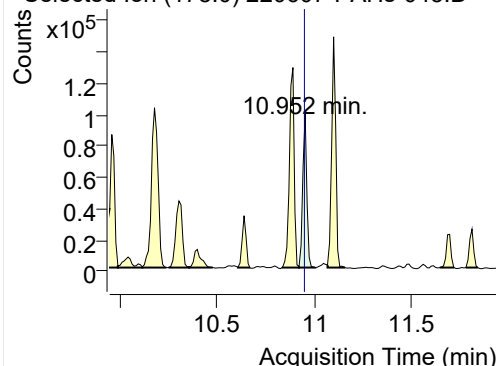


+ SIM (10.858-10.984 min, 13 scans) (**) 2206

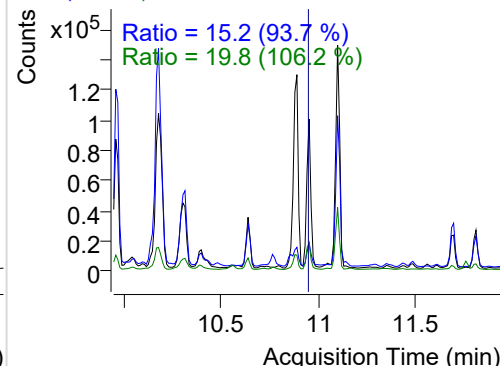


Phenanthrene

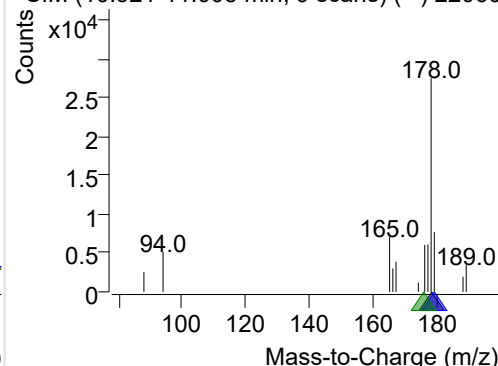
+ Selected Ion (178.0) 220607-PAHs-043.D



178.0, 179.0, 176.0

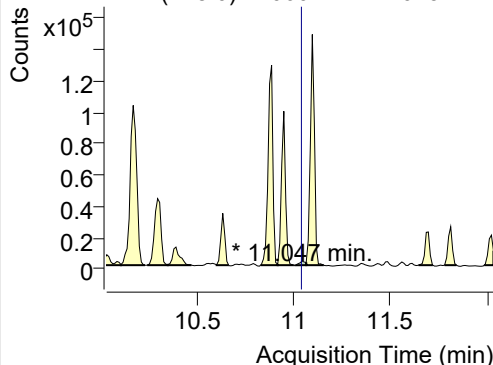


+ SIM (10.921-11.005 min, 9 scans) (**) 22060

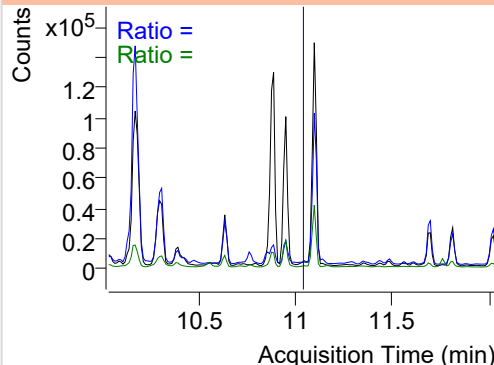


Anthracene

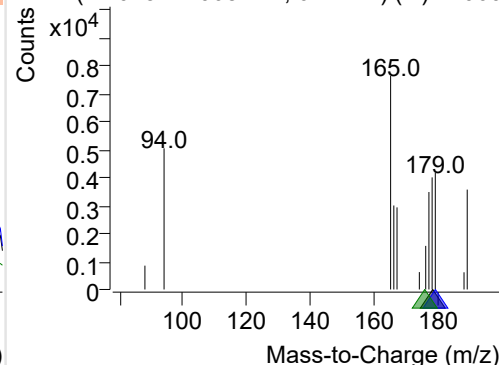
+ Selected Ion (178.0) 220607-PAHs-043.D



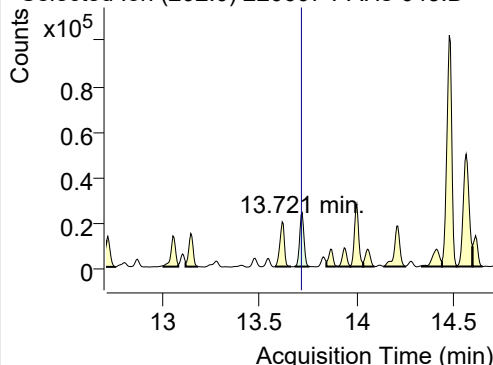
178.0, 179.0, 176.0



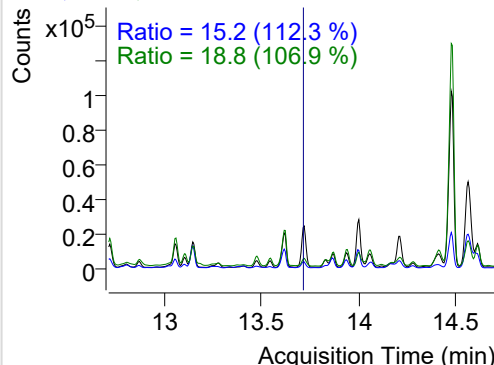
+ SIM (11.015-11.068 min, 6 scans) (**) 22060

**Fluoranthene**

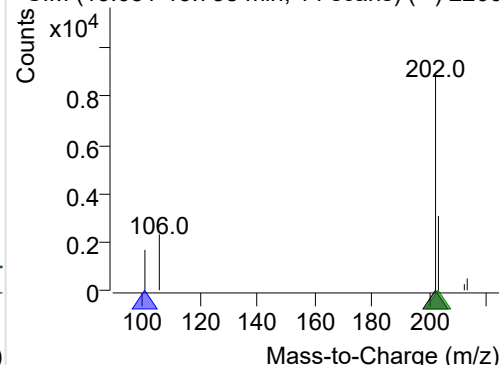
+ Selected Ion (202.0) 220607-PAHs-043.D



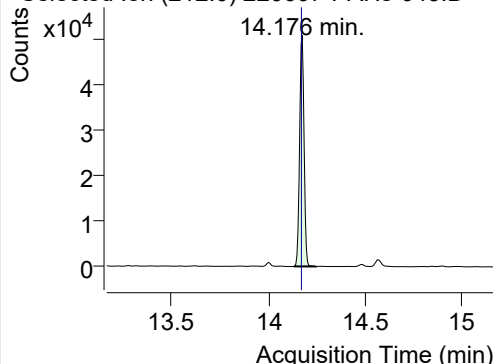
202.0, 101.0, 203.0



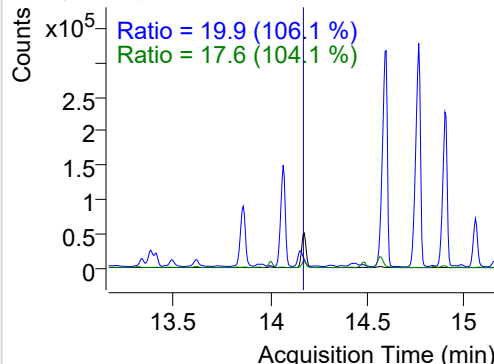
+ SIM (13.681-13.758 min, 14 scans) (**) 2206

**LSS-D10-Pyrene**

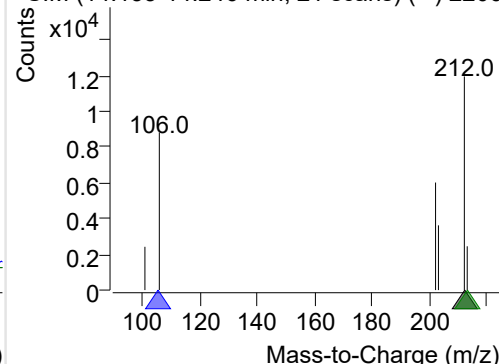
+ Selected Ion (212.0) 220607-PAHs-043.D



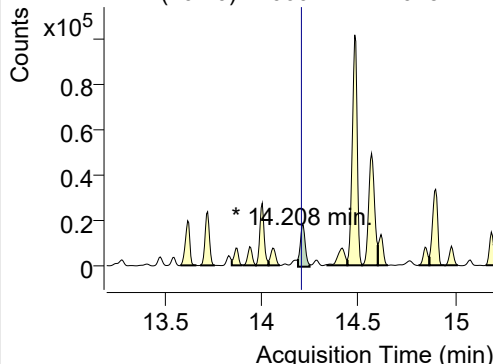
212.0, 106.0, 213.0



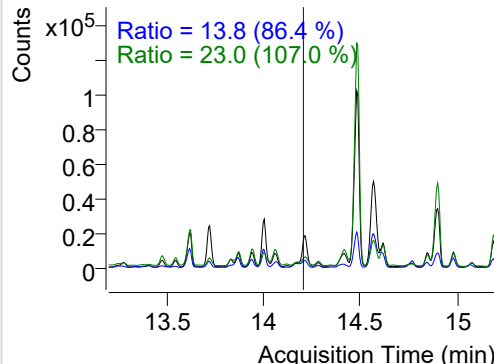
+ SIM (14.133-14.246 min, 21 scans) (**) 2206

**Pyrene**

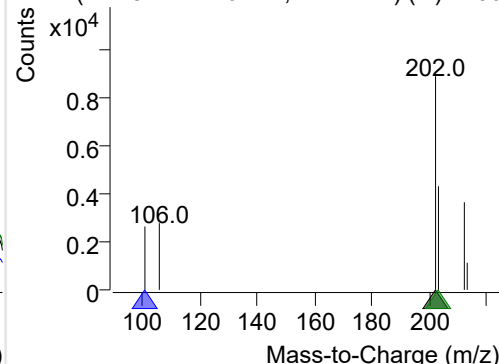
+ Selected Ion (202.0) 220607-PAHs-043.D



202.0, 101.0, 203.0



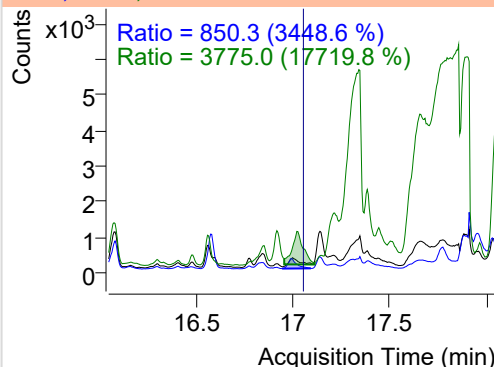
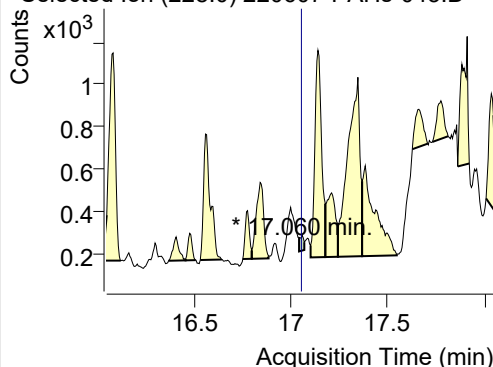
+ SIM (14.187-14.246 min, 12 scans) (**) 2206



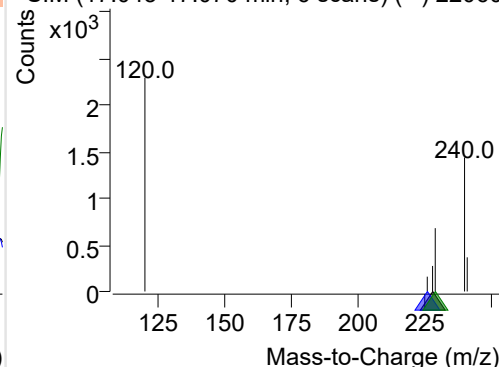
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-043.D

228.0, 226.0, 229.0

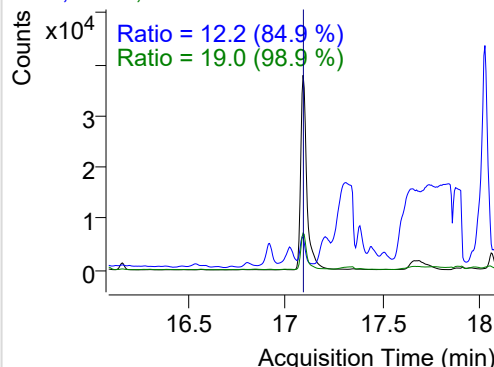
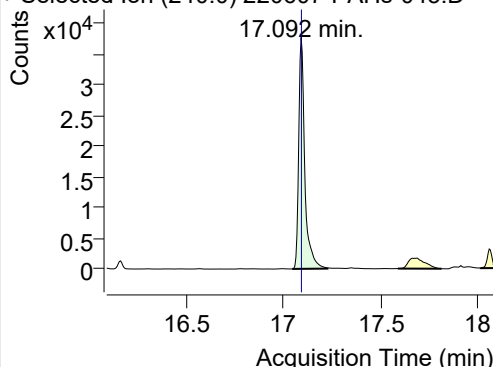


+ SIM (17.043-17.070 min, 6 scans) (**) 22060

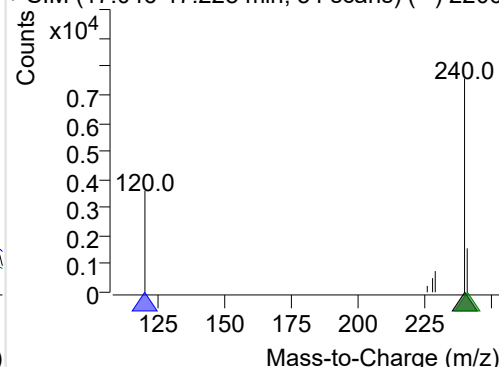
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-043.D

240.0, 120.0, 241.0

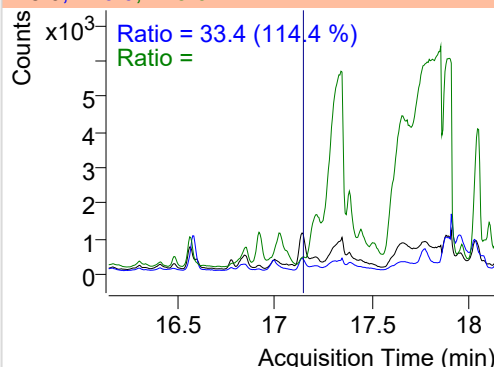
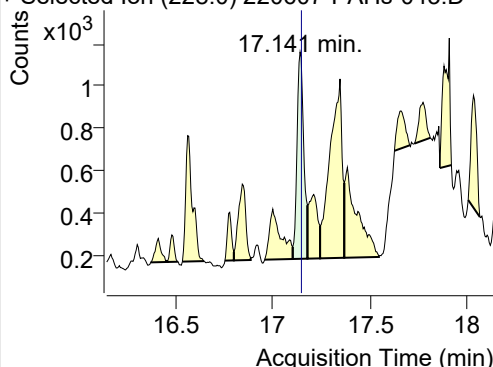


+ SIM (17.046-17.228 min, 34 scans) (**) 2206

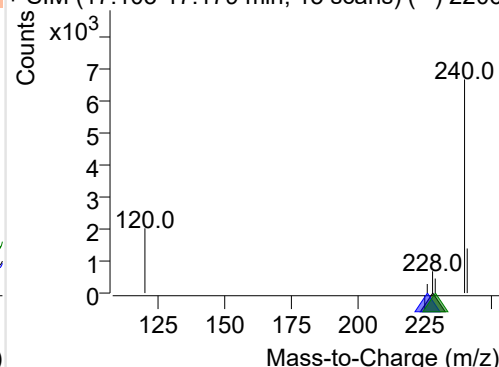
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-043.D

228.0, 226.0, 229.0

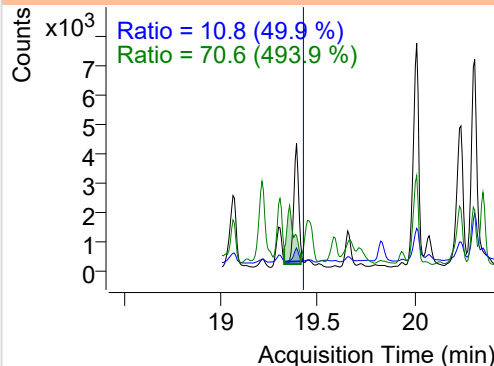
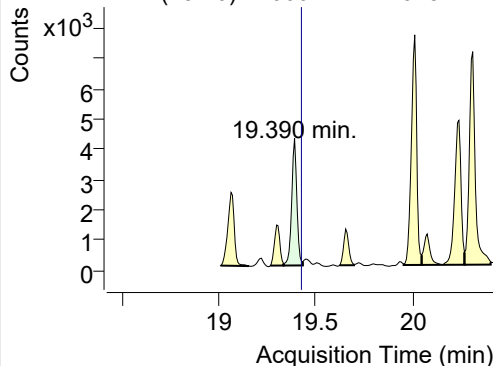


+ SIM (17.103-17.179 min, 15 scans) (**) 2206

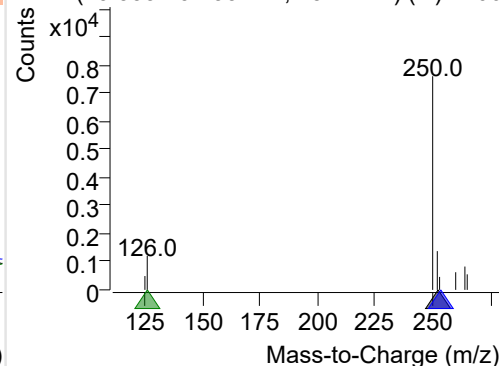
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-043.D

252.0, 253.0, 126.0



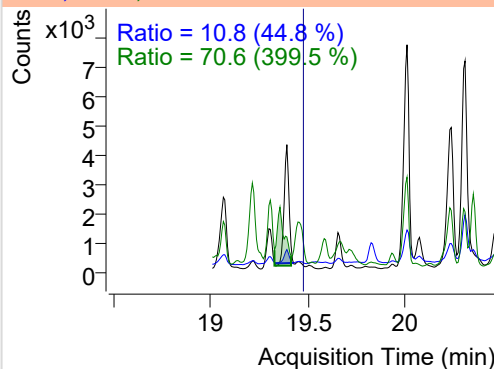
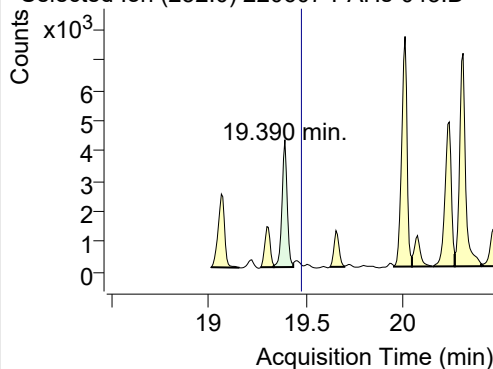
+ SIM (19.333-19.433 min, 15 scans) (**) 2206



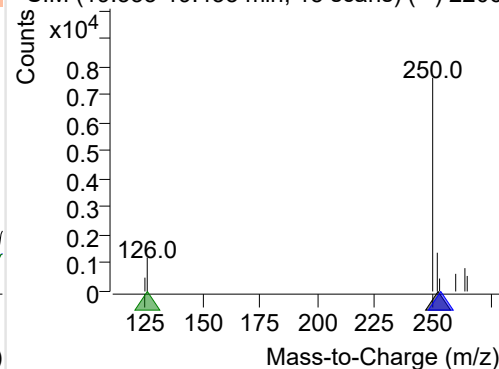
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-043.D

252.0, 253.0, 126.0

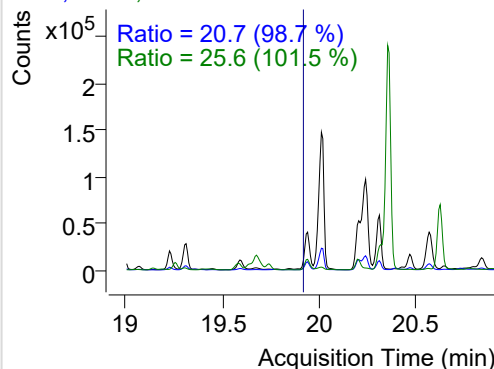
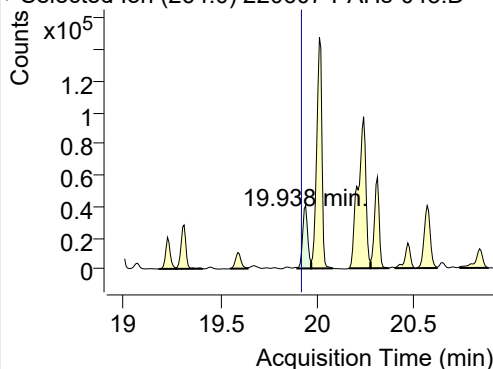


+ SIM (19.333-19.433 min, 15 scans) (**) 2206

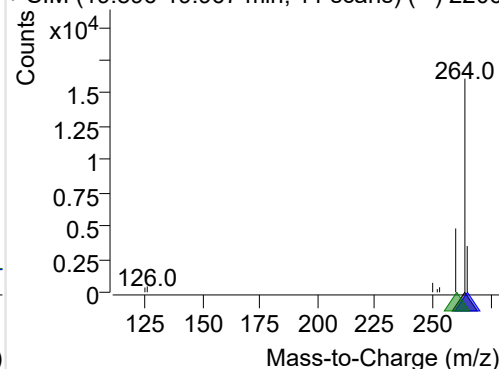
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-043.D

264.0, 265.0, 260.0

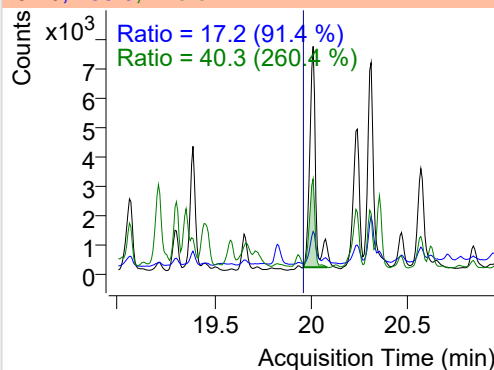
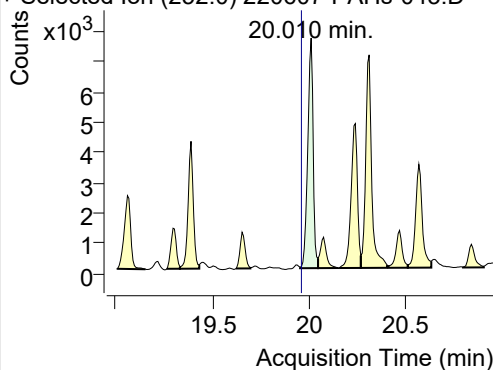


+ SIM (19.896-19.967 min, 11 scans) (**) 2206

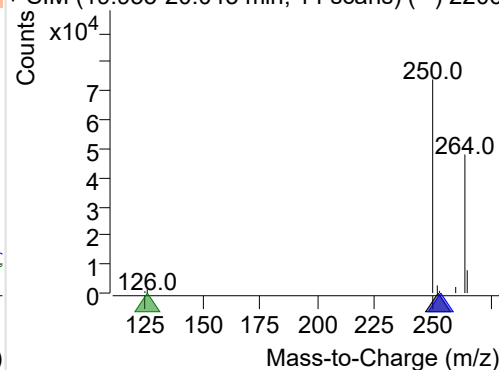
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-043.D

252.0, 253.0, 126.0

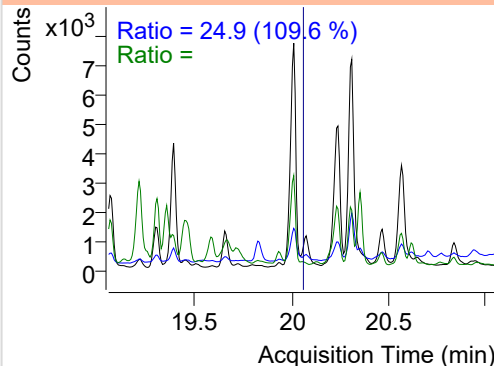
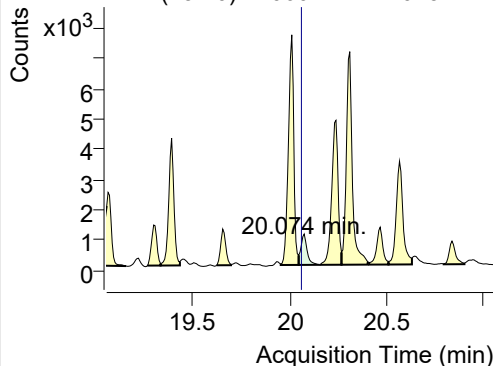


+ SIM (19.953-20.045 min, 14 scans) (**) 2206

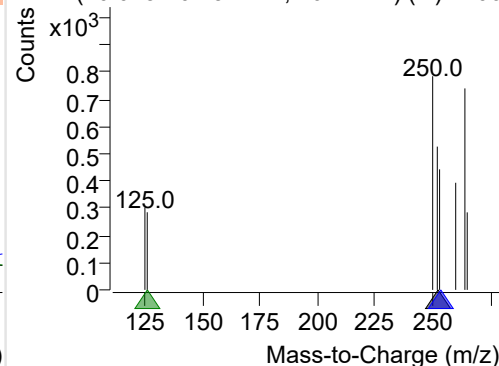
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-043.D

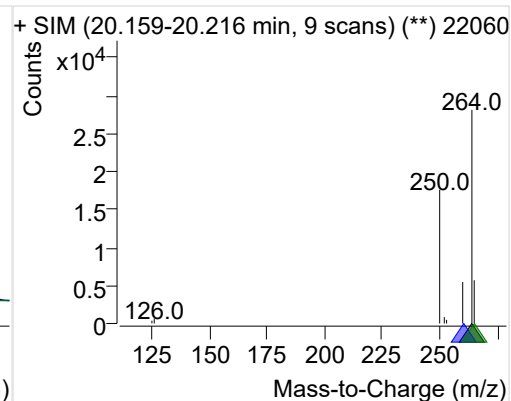
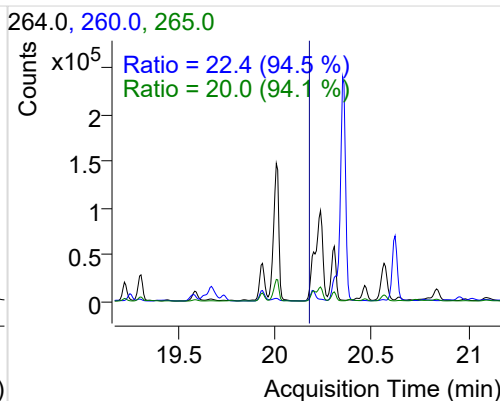
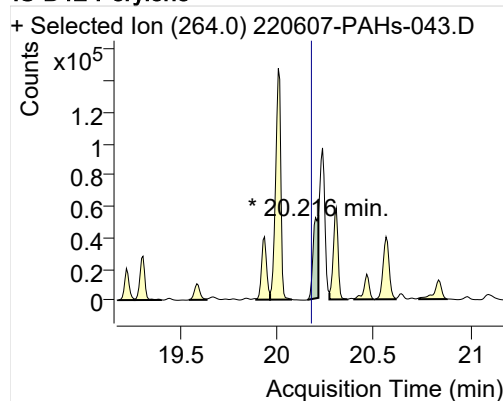
252.0, 253.0, 126.0



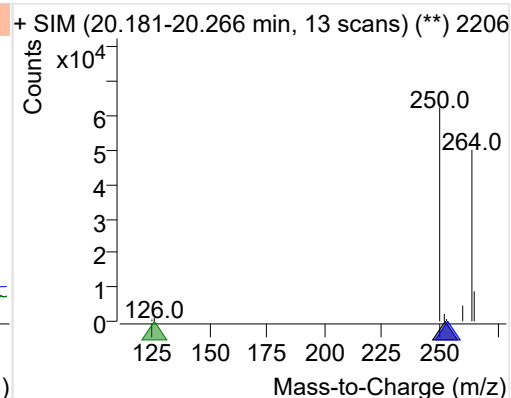
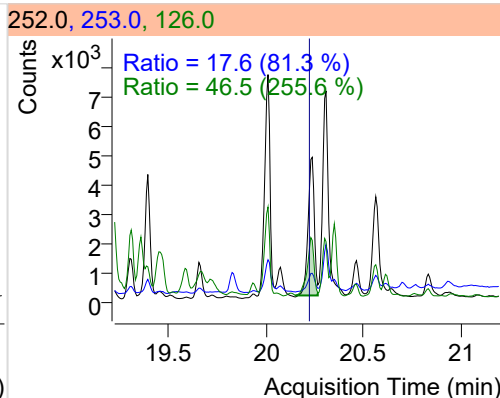
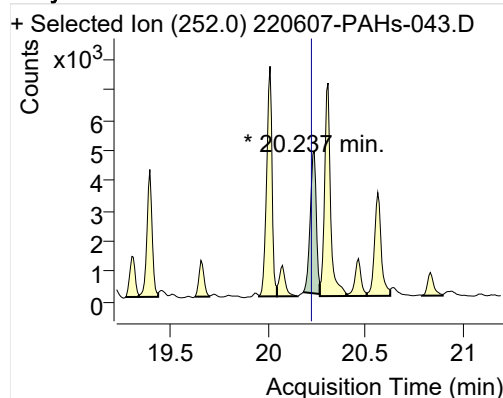
+ SIM (20.045-20.152 min, 16 scans) (**) 2206



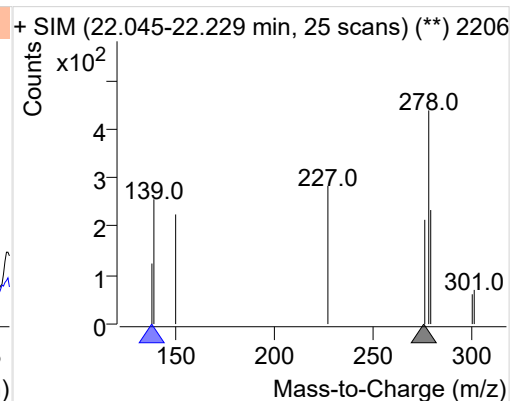
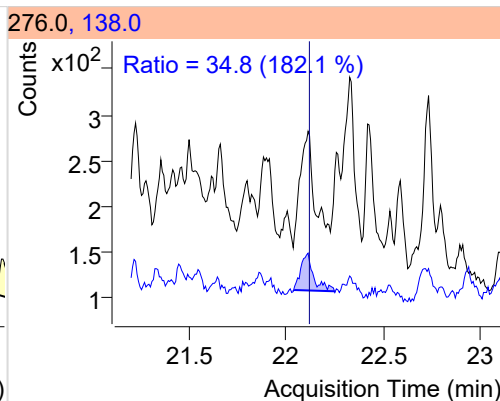
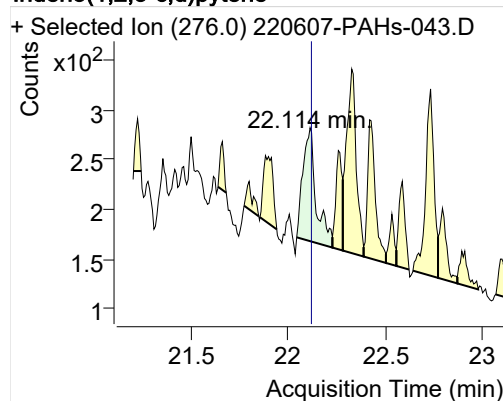
IS-D12-Perylene



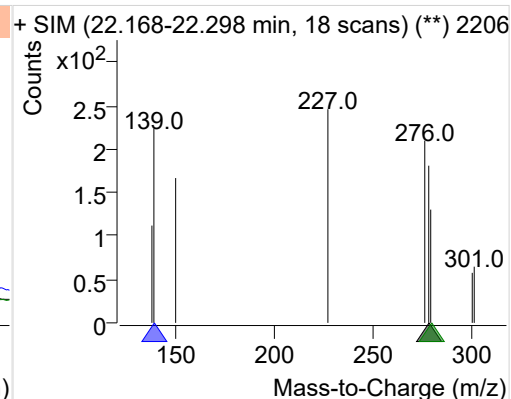
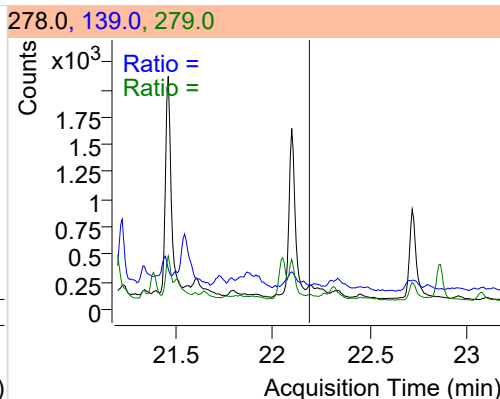
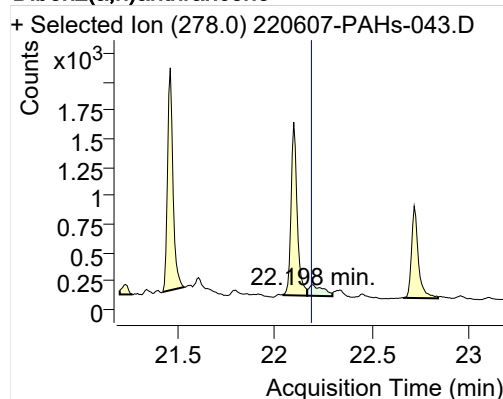
Perylene



Indeno(1,2,3-c,d)pyrene



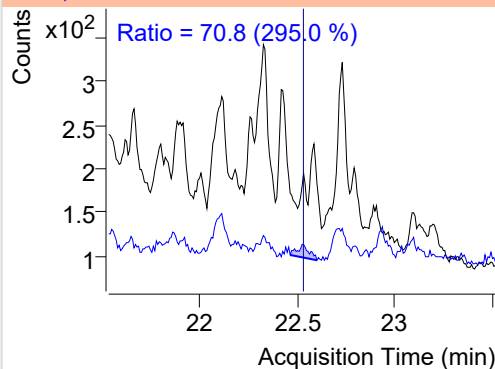
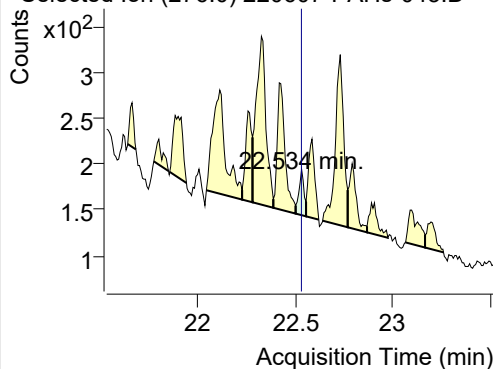
Dibenz(a,h)anthracene



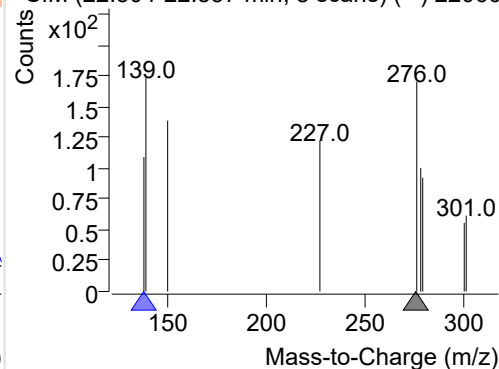
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-043.D

276.0, 138.0

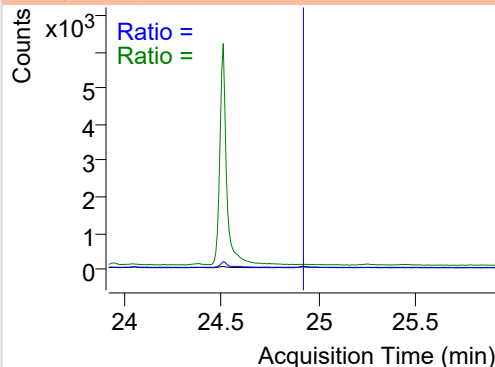
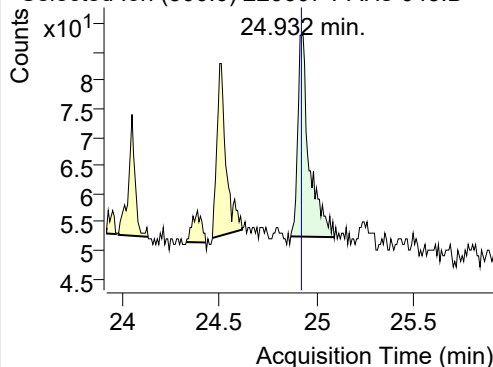


+ SIM (22.504-22.557 min, 8 scans) (**) 22060

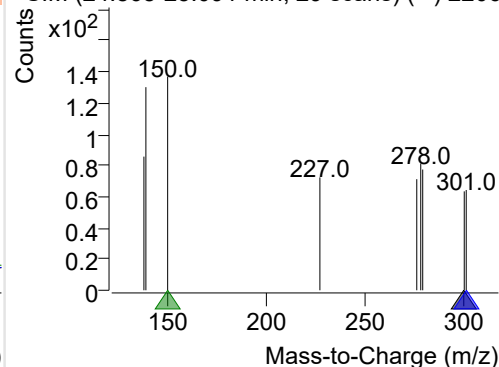
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-043.D

300.0, 301.0, 150.0



+ SIM (24.868-25.091 min, 29 scans) (**) 2206



Quantitative Analysis Sample Based Report

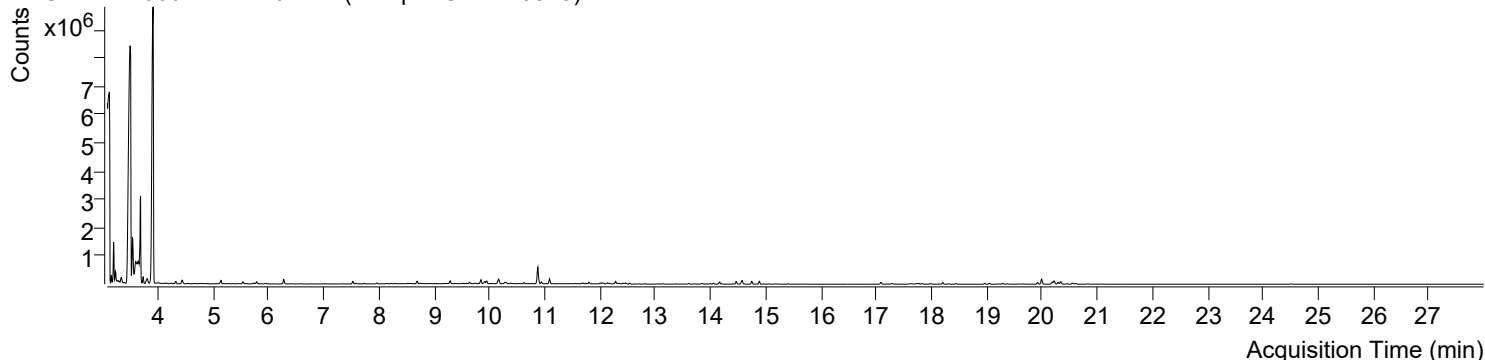


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 8:17:11	Data File	220607-PAHs-044.D
Type	Sample	Name	Sample-Gas-220523
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

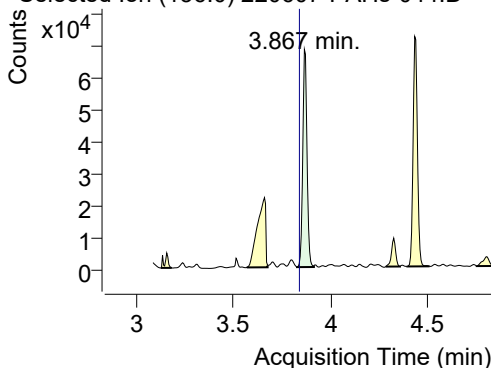
+ TIC SIM 220607-PAHs-044.D (Sample-Gas-220523)



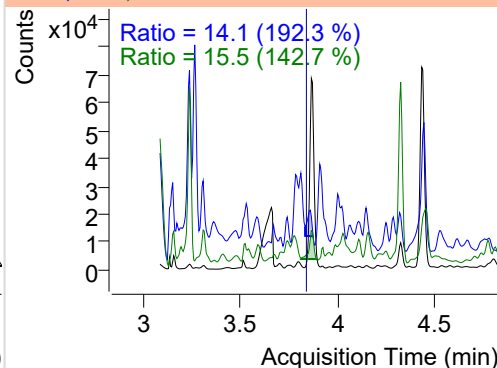
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.867	136.0	102924	68140.92	ND ng/ml	15.5
Naphthalene	3.915	128.0	14776056	7532219.63	ND ng/ml	15.1
Acenaphthylene	7.165	152.0	691	510.98	ND ng/ml	
IS-D10-Acenaphthene	7.532	164.0	60577	40805.85	ND ng/ml	97.4
Acenaphthene	7.597	154.0	8848	5720.76	ND ng/ml	112.5
LSS-D10-Fluorene	8.694	176.0	56709	39650.40	ND ng/ml	94.6
Fluorene	8.757	166.0	17063	10382.15	ND ng/ml	89.1
IS-D10-Phenanthrene	10.900	188.0	102280	64079.14	ND ng/ml	14.0
Phenanthrene	10.942	178.0	59476	40484.69	ND ng/ml	19.2
Anthracene	11.047	178.0	1808	1295.77	ND ng/ml	
Fluoranthene	13.715	202.0	14140	9049.01	ND ng/ml	17.6
LSS-D10-Pyrene	14.165	212.0	80962	52649.01	ND ng/ml	22.2
Pyrene	14.203	202.0	19328	11230.01	ND ng/ml	20.7
Benz(a)anthracene	16.995	228.0	158	72.09	ND ng/ml	160.9
IS-D12-Chrysene	17.087	240.0	80606	46809.56	ND ng/ml	18.8
Chrysene	17.135	228.0	885	446.53	ND ng/ml	36.4
Benzo(b)fluoranthene	19.376	252.0	2917	1691.00	ND ng/ml	14.8
Benzo(k)fluoranthene	19.376	252.0	2917	1691.00	ND ng/ml	14.8
SS-D12-Benzo(e)pyrene	19.917	264.0	65506	39735.02	ND ng/ml	26.6
Benzo(e)pyrene	19.995	252.0	7488	3943.52	ND ng/ml	18.0
Benzo(a)pyrene	20.059	252.0	749	363.10	ND ng/ml	
IS-D12-Perylene	20.180	264.0	77923	45726.00	ND ng/ml	26.7
Perylene	20.216	252.0	4798	2076.22	ND ng/ml	18.2
Indeno(1,2,3-c,d)pyrene	22.114	276.0	150	50.80	ND ng/ml	34.9
Dibenz(a,h)anthracene	22.183	278.0	223	44.90	ND ng/ml	16.1
Benzo(g,h,i)perylene	22.527	276.0	28	17.52	ND ng/ml	
Coronene	24.924	300.0	86	23.54	ND ng/ml	

IS-D8-Naphthalene

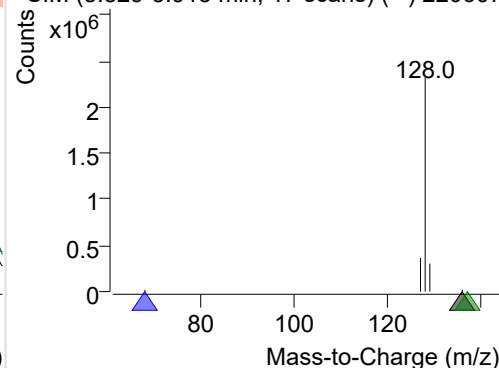
+ Selected Ion (136.0) 220607-PAHs-044.D



136.0, 68.0, 137.0

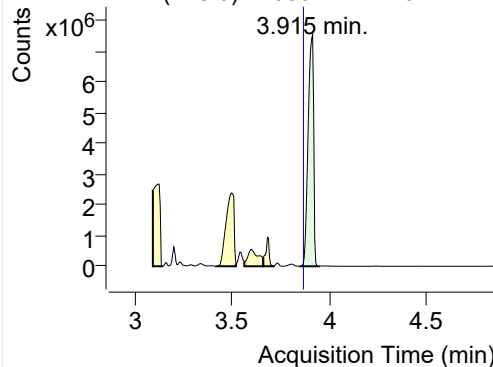


+ SIM (3.829-3.915 min, 17 scans) (**) 220607

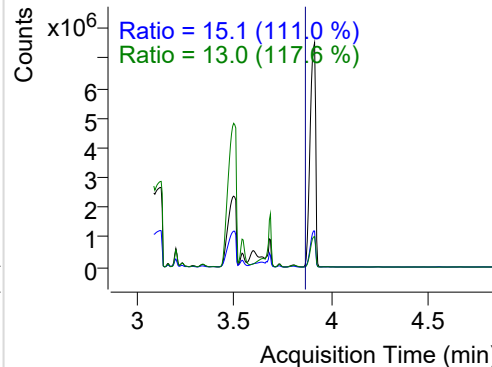


Naphthalene

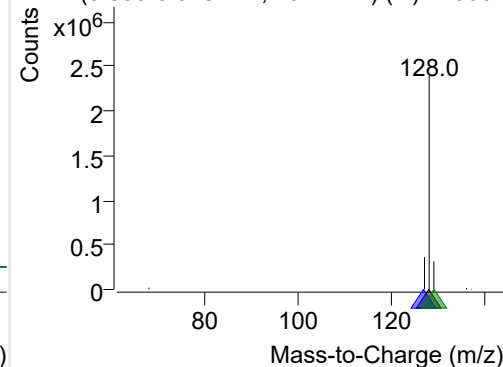
+ Selected Ion (128.0) 220607-PAHs-044.D



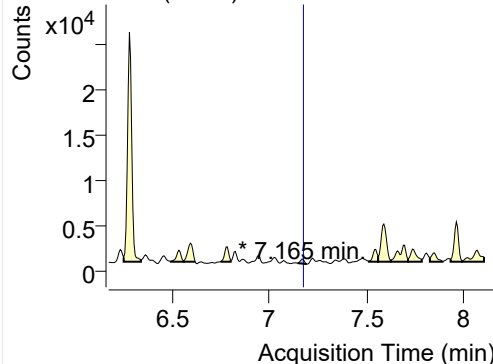
128.0, 127.0, 129.0



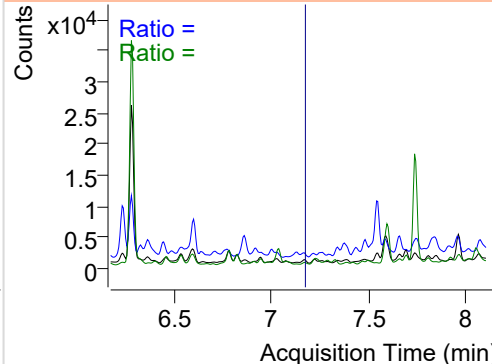
+ SIM (3.850-3.948 min, 19 scans) (**) 220607

**Acenaphthylene**

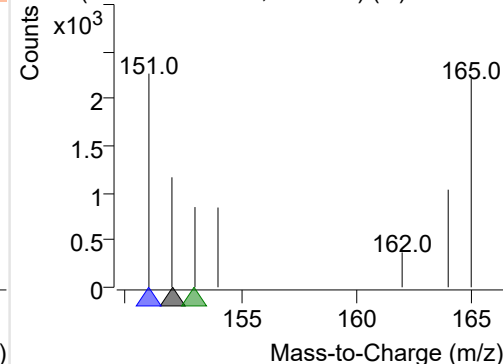
+ Selected Ion (152.0) 220607-PAHs-044.D



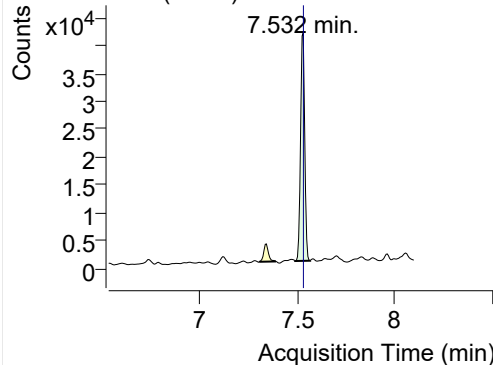
152.0, 151.0, 153.0



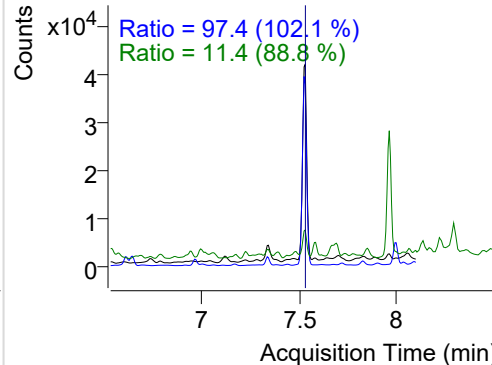
+ SIM (7.142-7.189 min, 9 scans) (**) 220607-I

**IS-D10-Acenaphthene**

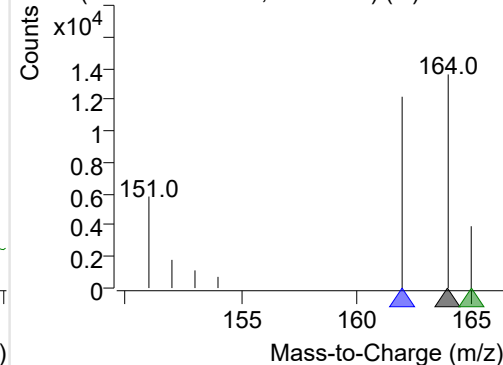
+ Selected Ion (164.0) 220607-PAHs-044.D



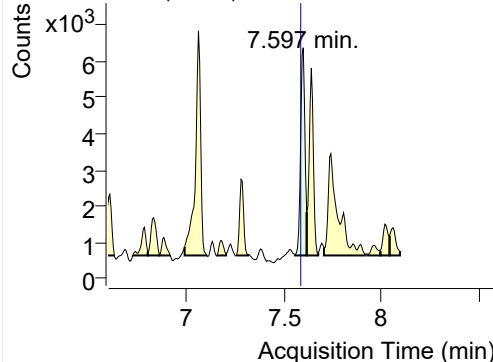
164.0, 162.0, 165.0



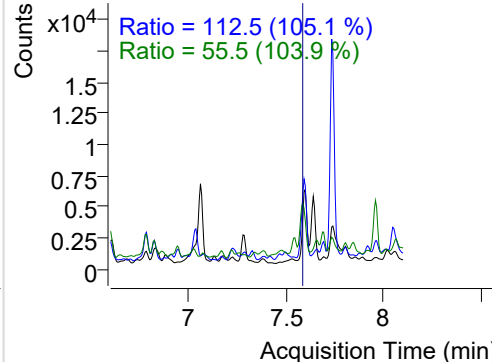
+ SIM (7.491-7.568 min, 14 scans) (**) 220607

**Acenaphthene**

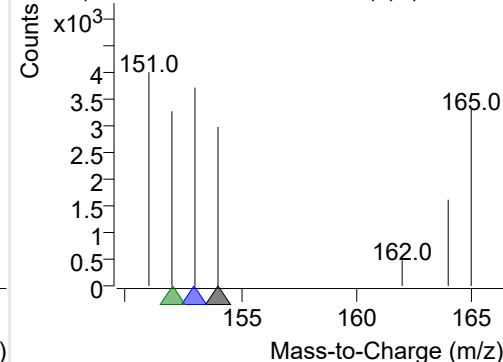
+ Selected Ion (154.0) 220607-PAHs-044.D



154.0, 153.0, 152.0

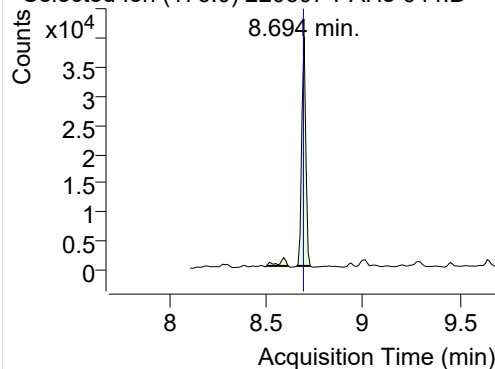


+ SIM (7.556-7.615 min, 11 scans) (**) 220607

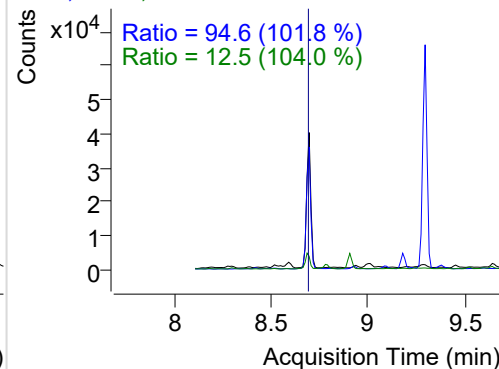


LSS-D10-Fluorene

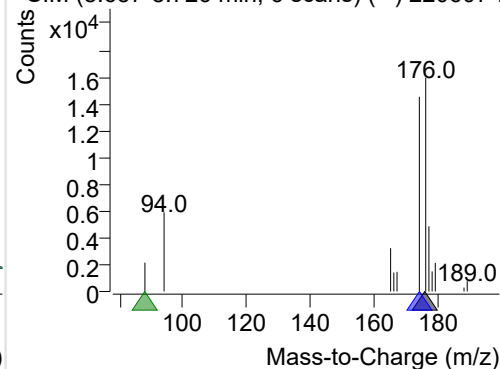
+ Selected Ion (176.0) 220607-PAHs-044.D



176.0, 174.0, 88.0

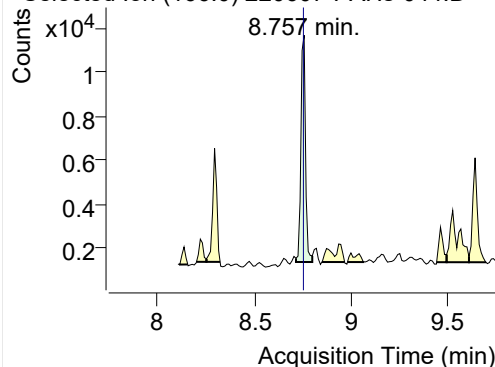


+ SIM (8.657-8.726 min, 6 scans) (**) 220607-I

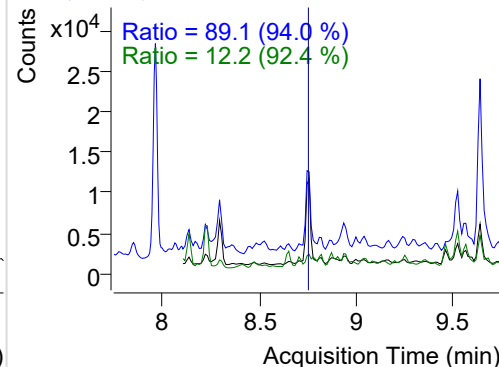


Fluorene

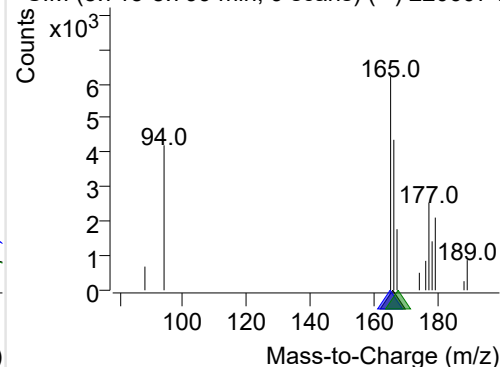
+ Selected Ion (166.0) 220607-PAHs-044.D



166.0, 165.0, 167.0

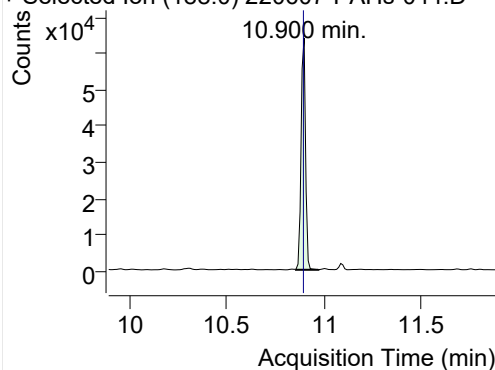


+ SIM (8.715-8.799 min, 9 scans) (**) 220607-I

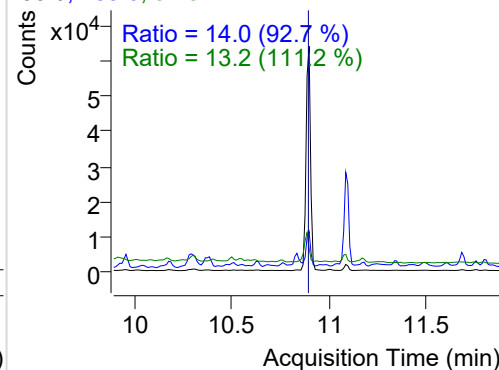


IS-D10-Phenanthrene

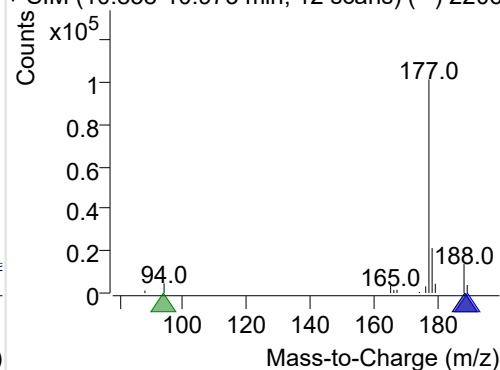
+ Selected Ion (188.0) 220607-PAHs-044.D



188.0, 189.0, 94.0

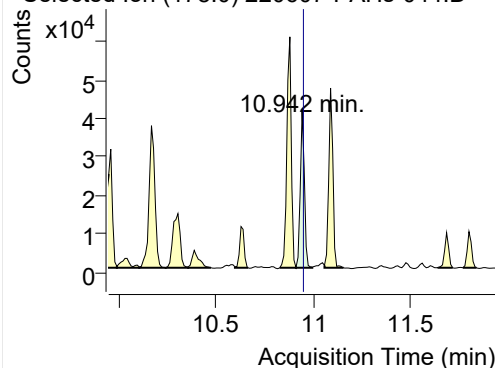


+ SIM (10.858-10.973 min, 12 scans) (**) 220607-I

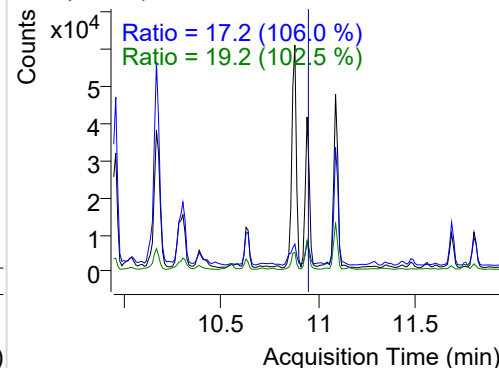


Phenanthrene

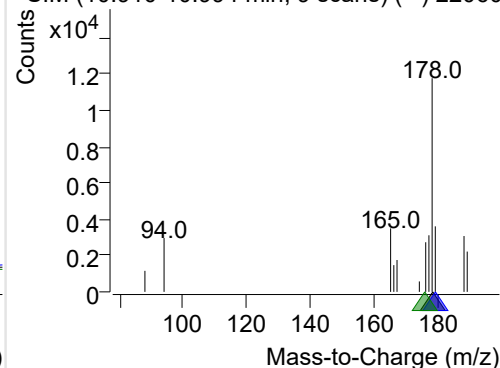
+ Selected Ion (178.0) 220607-PAHs-044.D



178.0, 179.0, 176.0

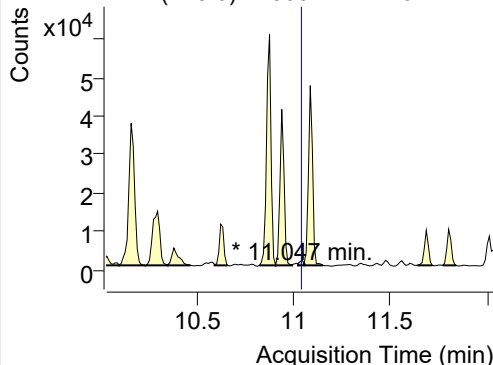


+ SIM (10.910-10.994 min, 9 scans) (**) 220607-I

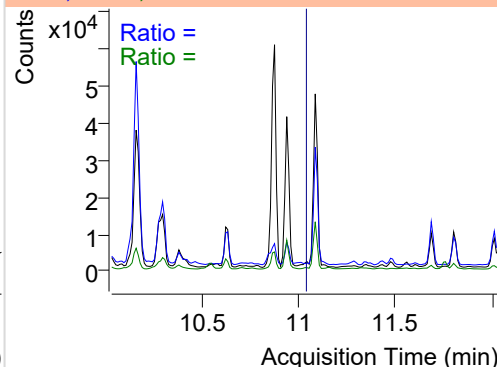


Anthracene

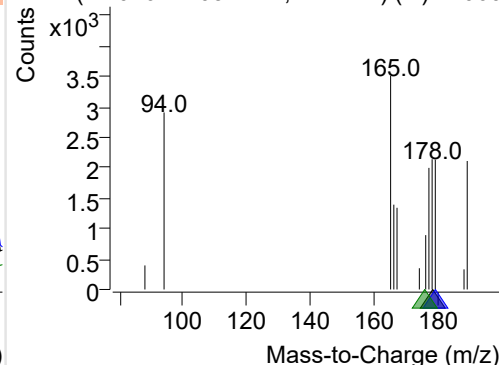
+ Selected Ion (178.0) 220607-PAHs-044.D



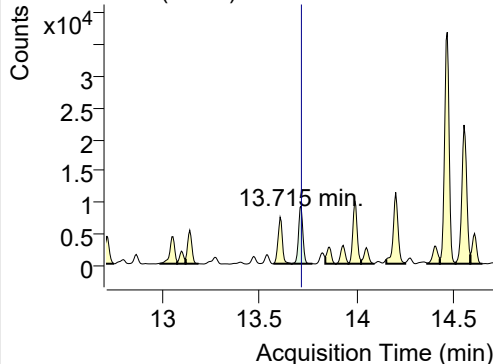
178.0, 179.0, 176.0



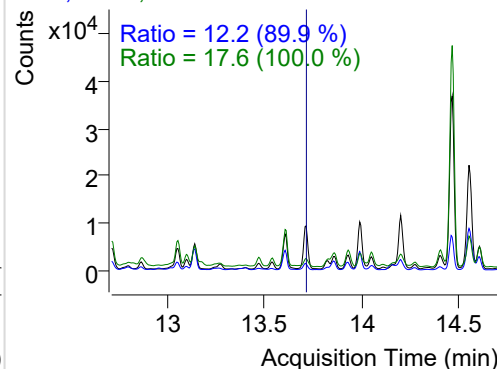
+ SIM (11.026-11.057 min, 4 scans) (**) 22060

**Fluoranthene**

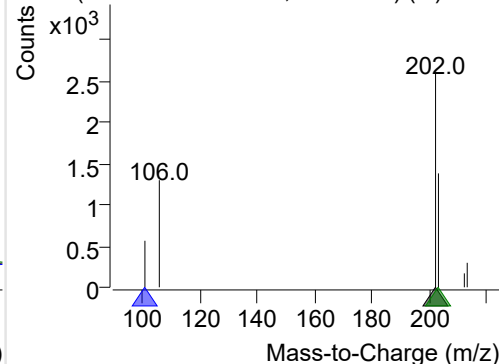
+ Selected Ion (202.0) 220607-PAHs-044.D



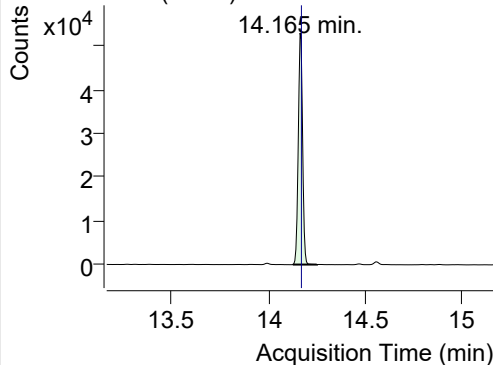
202.0, 101.0, 203.0



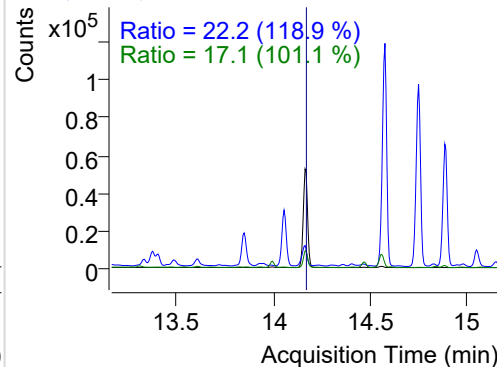
+ SIM (13.666-13.773 min, 20 scans) (**) 2206

**LSS-D10-Pyrene**

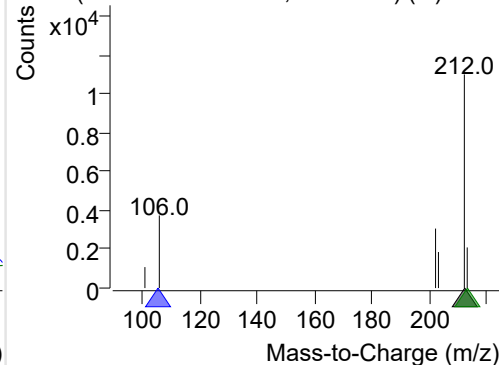
+ Selected Ion (212.0) 220607-PAHs-044.D



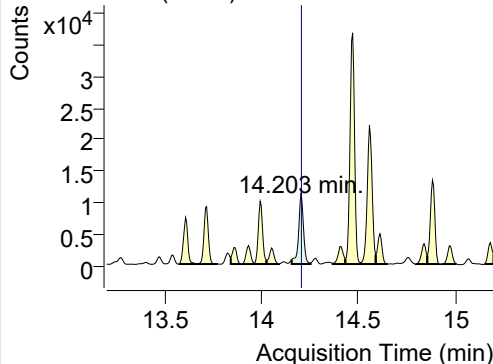
212.0, 106.0, 213.0



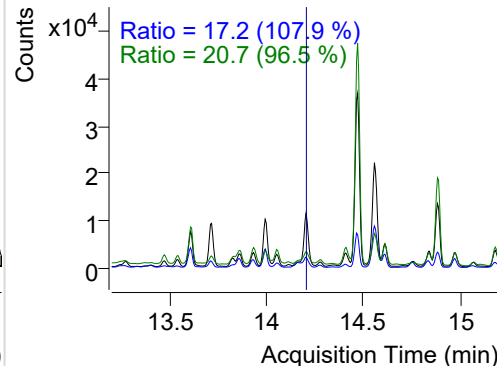
+ SIM (14.127-14.252 min, 23 scans) (**) 2206

**Pyrene**

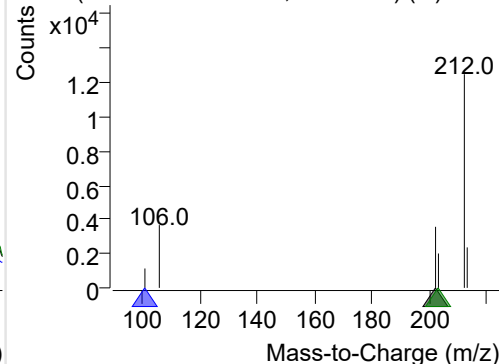
+ Selected Ion (202.0) 220607-PAHs-044.D



202.0, 101.0, 203.0



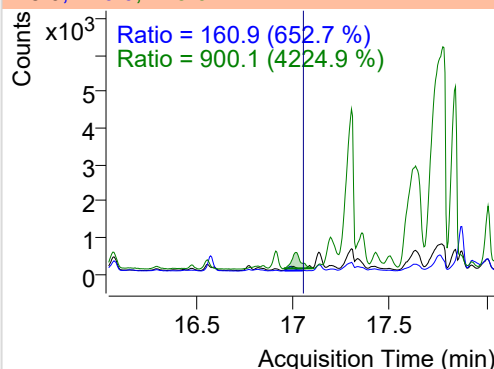
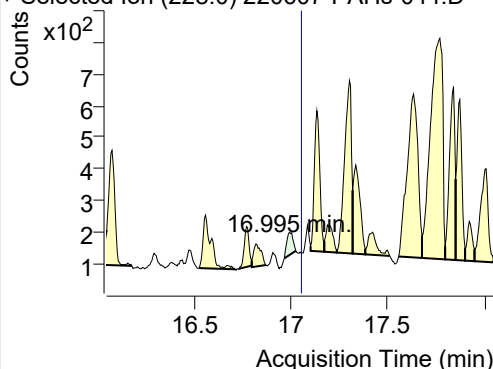
+ SIM (14.154-14.252 min, 19 scans) (**) 2206



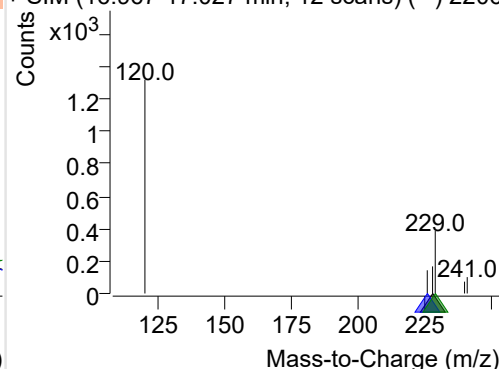
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-044.D

228.0, 226.0, 229.0

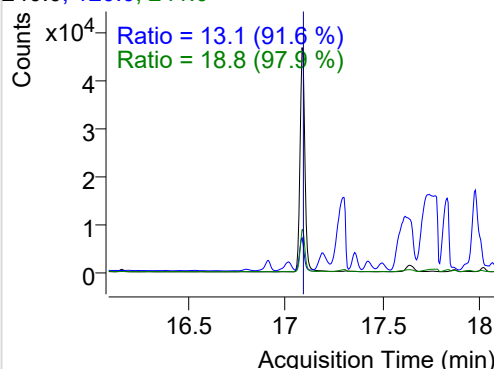
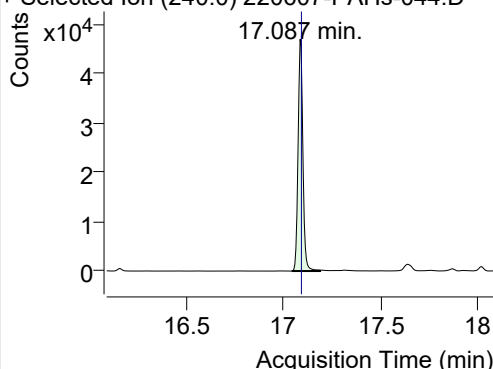


+ SIM (16.967-17.027 min, 12 scans) (**) 2206

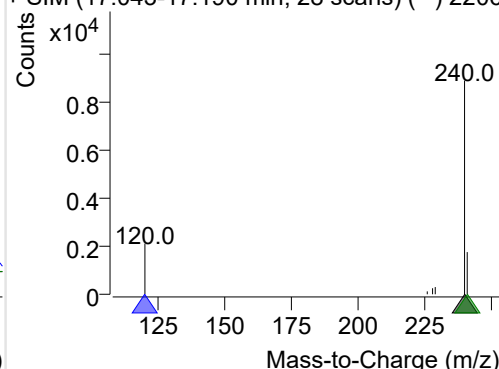
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-044.D

240.0, 120.0, 241.0

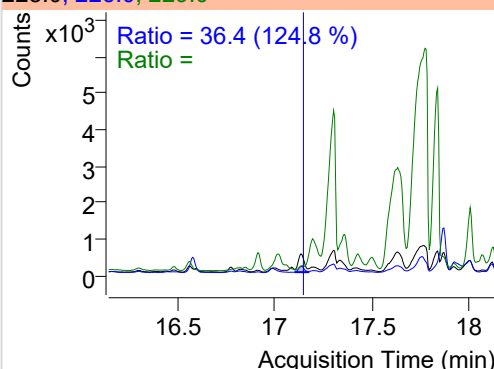
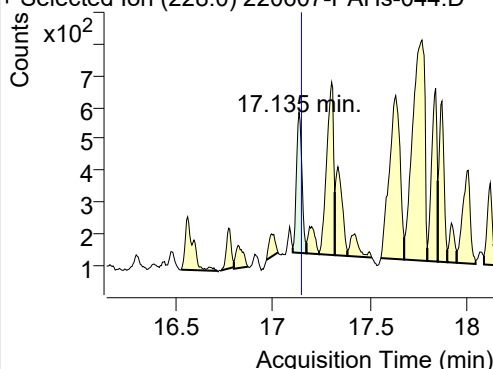


+ SIM (17.043-17.190 min, 28 scans) (**) 2206

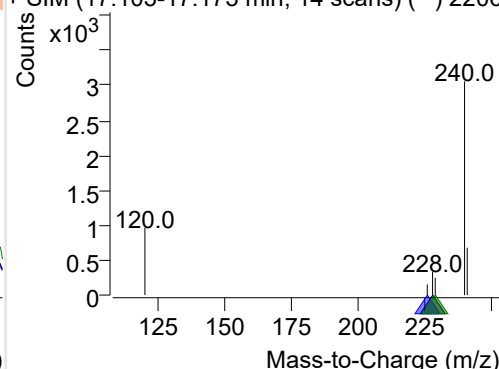
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-044.D

228.0, 226.0, 229.0

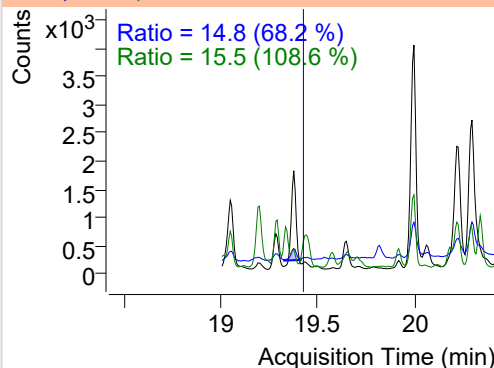
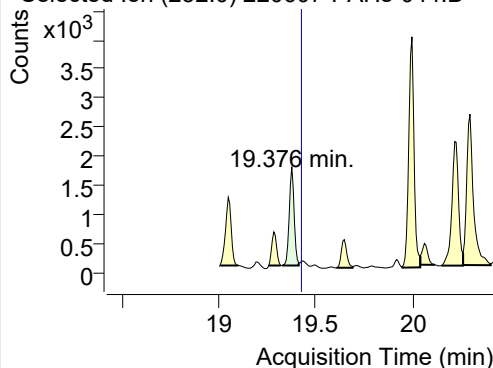


+ SIM (17.103-17.173 min, 14 scans) (**) 2206

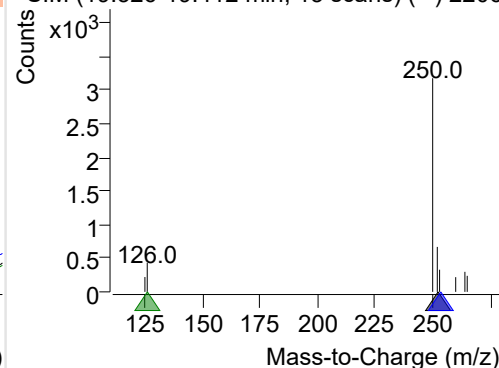
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-044.D

252.0, 253.0, 126.0



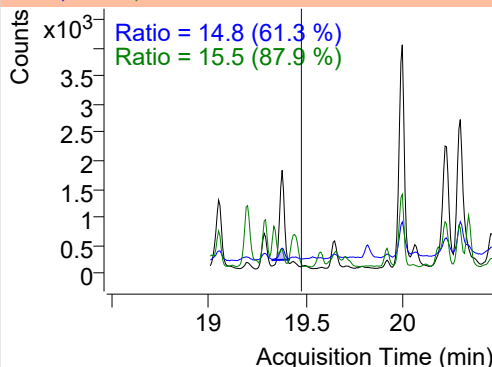
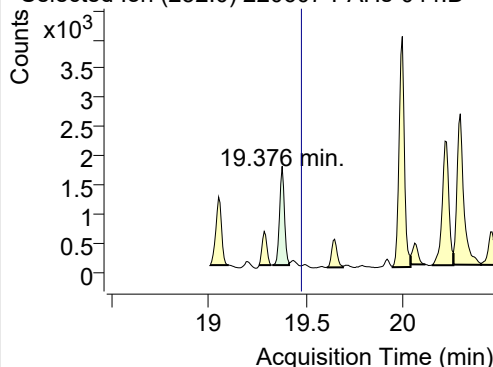
+ SIM (19.326-19.412 min, 13 scans) (**) 2206



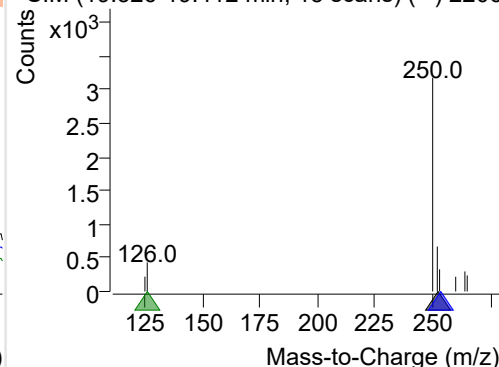
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-044.D

252.0, 253.0, 126.0

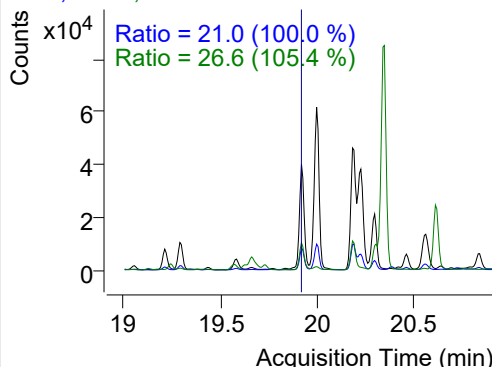
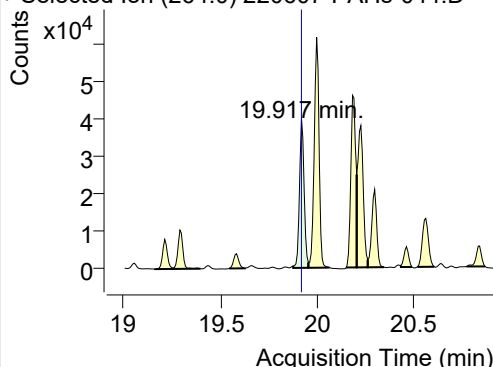


+ SIM (19.326-19.412 min, 13 scans) (**) 2206

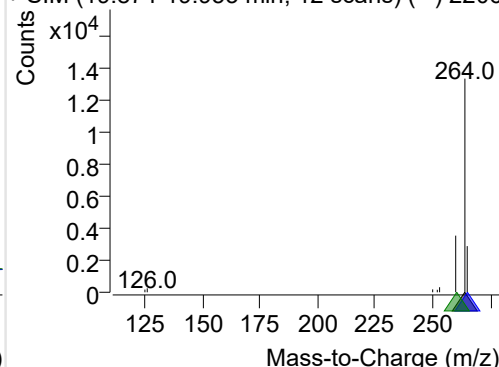
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-044.D

264.0, 265.0, 260.0

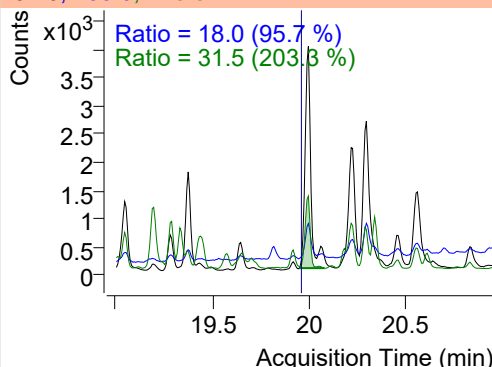
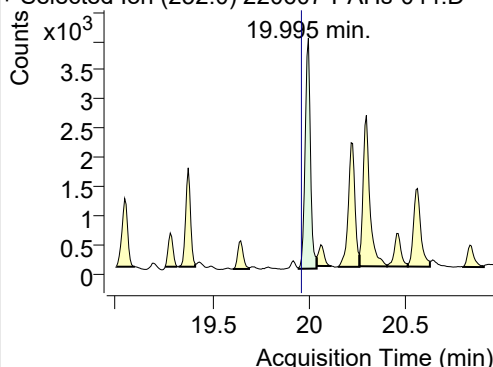


+ SIM (19.874-19.953 min, 12 scans) (**) 2206

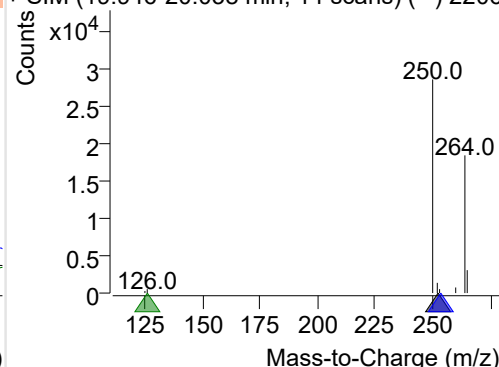
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-044.D

252.0, 253.0, 126.0

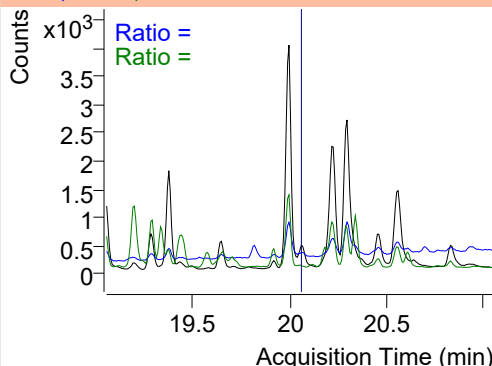
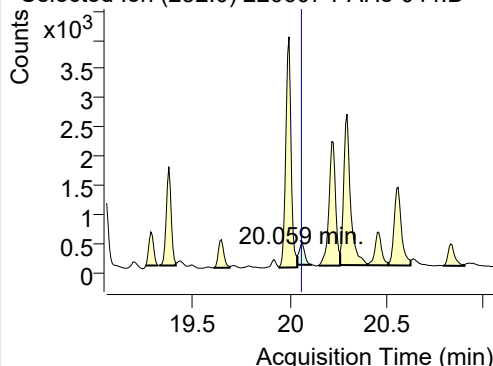


+ SIM (19.946-20.038 min, 14 scans) (**) 2206

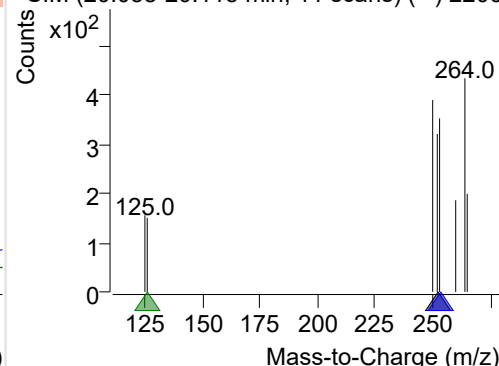
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-044.D

252.0, 253.0, 126.0

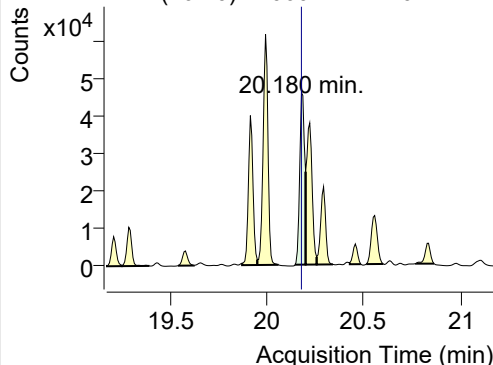


+ SIM (20.038-20.115 min, 11 scans) (**) 2206

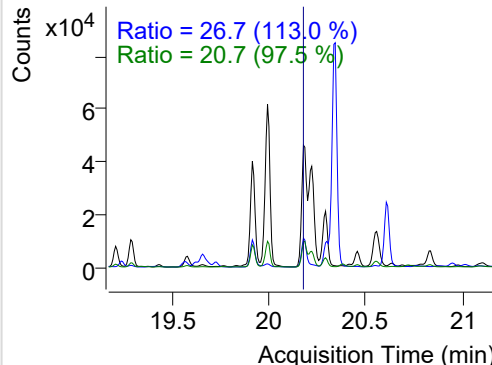


IS-D12-Perylene

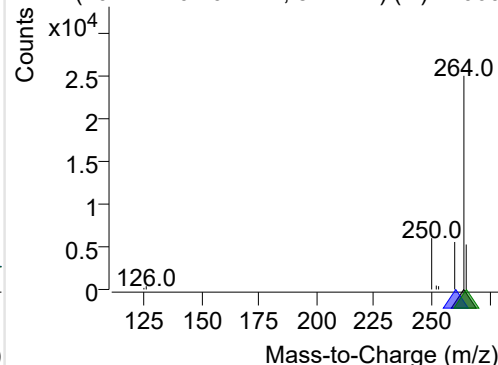
+ Selected Ion (264.0) 220607-PAHs-044.D



264.0, 260.0, 265.0

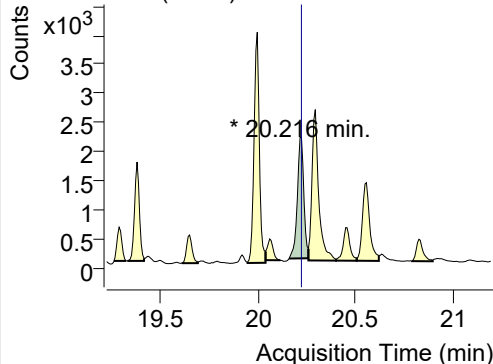


+ SIM (20.147-20.202 min, 8 scans) (**) 22060

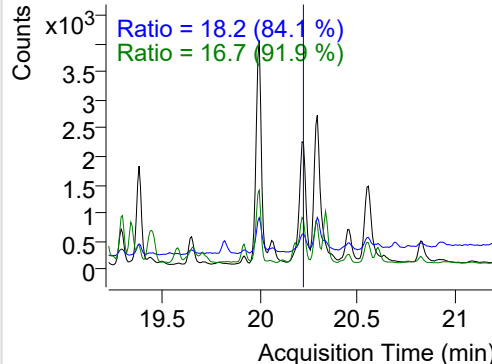


Perylene

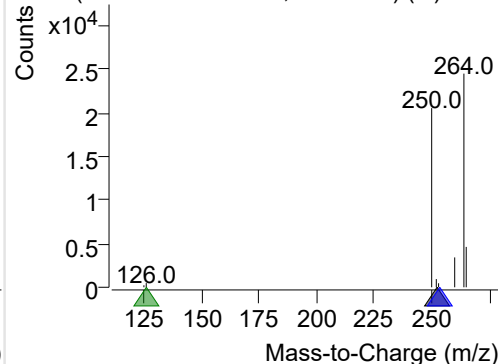
+ Selected Ion (252.0) 220607-PAHs-044.D



252.0, 253.0, 126.0

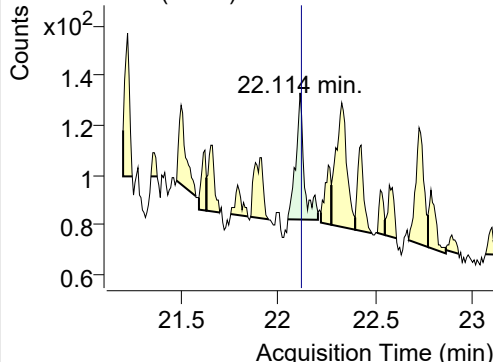


+ SIM (20.159-20.259 min, 15 scans) (**) 2206

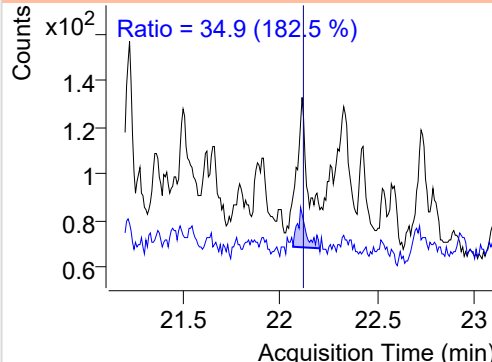


Indeno(1,2,3-c,d)pyrene

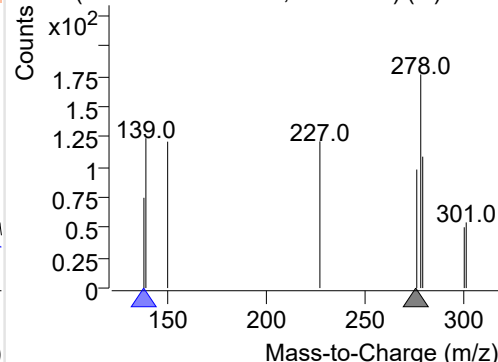
+ Selected Ion (276.0) 220607-PAHs-044.D



276.0, 138.0

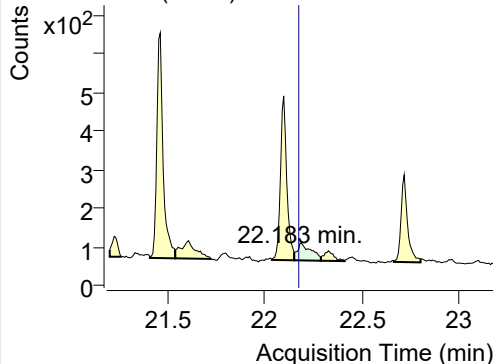


+ SIM (22.051-22.206 min, 21 scans) (**) 2206

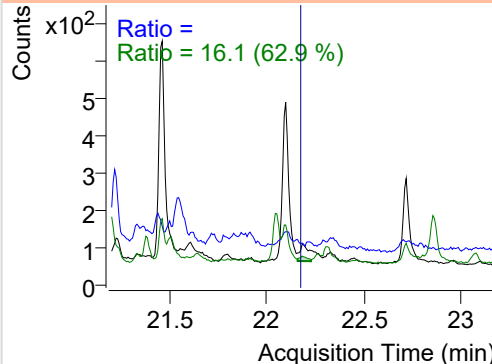


Dibenz(a,h)anthracene

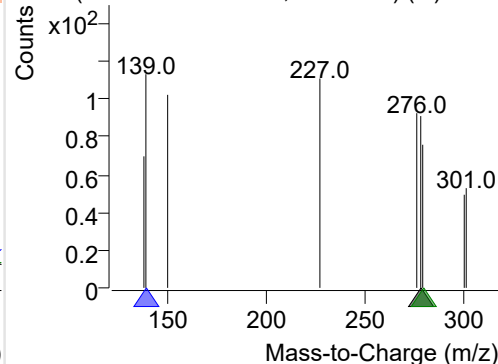
+ Selected Ion (278.0) 220607-PAHs-044.D



278.0, 139.0, 279.0



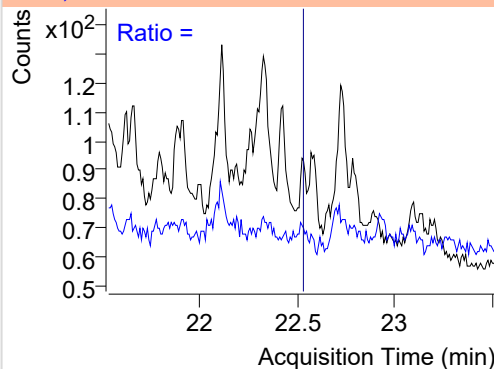
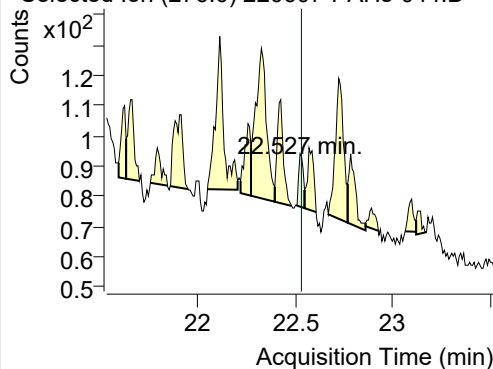
+ SIM (22.152-22.290 min, 19 scans) (**) 2206



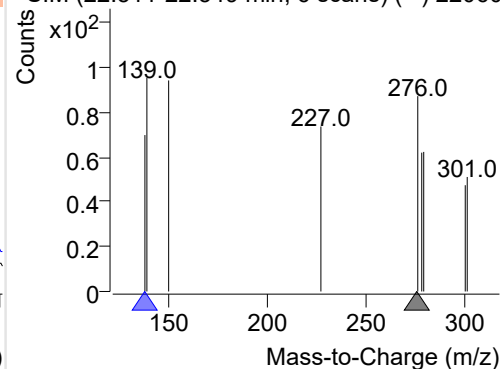
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-044.D

276.0, 138.0

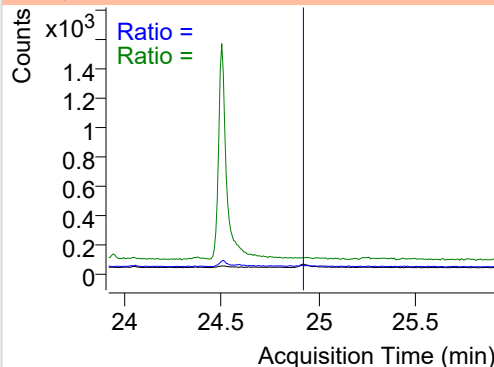
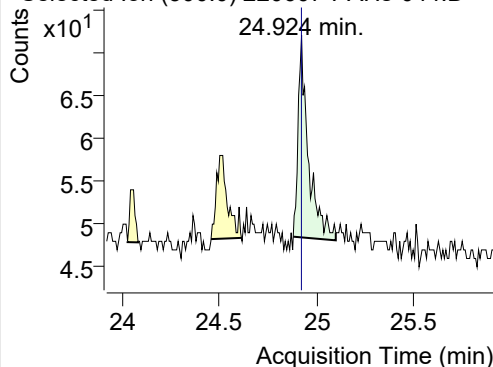


+ SIM (22.511-22.549 min, 6 scans) (**) 22060

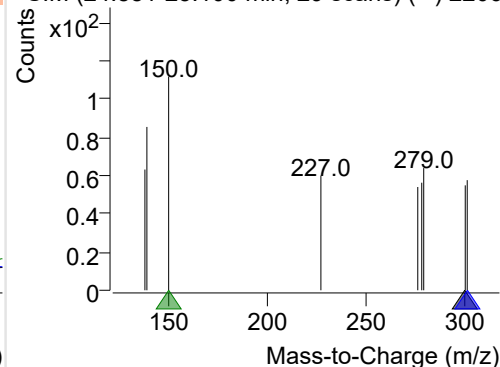
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-044.D

300.0, 301.0, 150.0



+ SIM (24.881-25.100 min, 29 scans) (**) 2206



Quantitative Analysis Sample Based Report

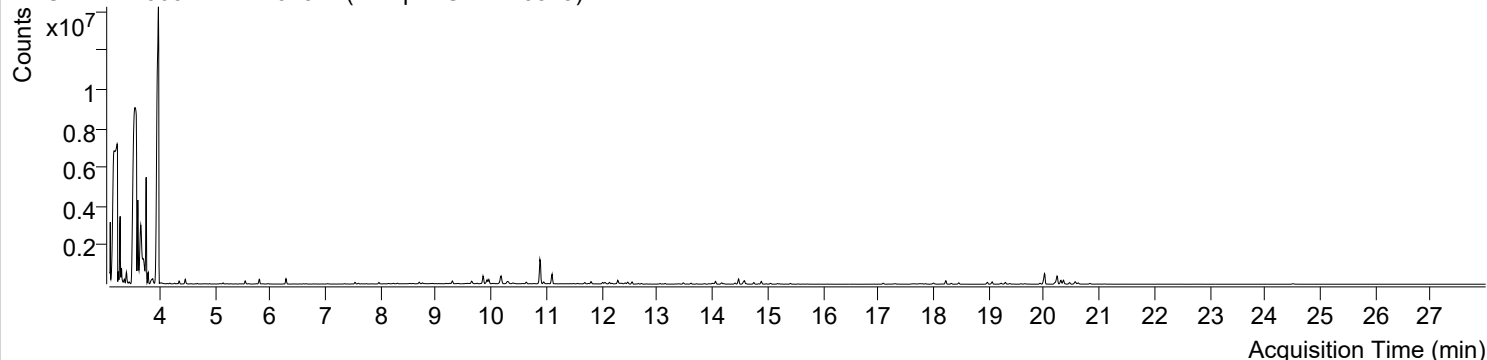


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오전 8:48:18	Data File	220607-PAHs-045.D
Type	Sample	Name	Sample-Gas-220529
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

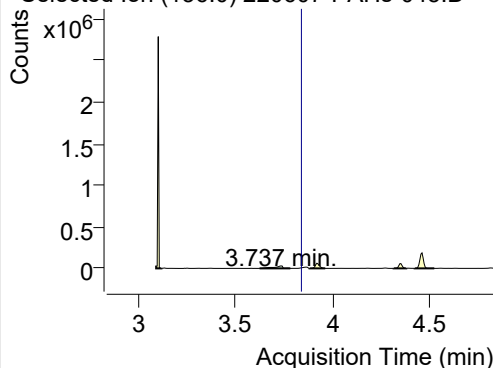
+ TIC SIM 220607-PAHs-045.D (Sample-Gas-220529)



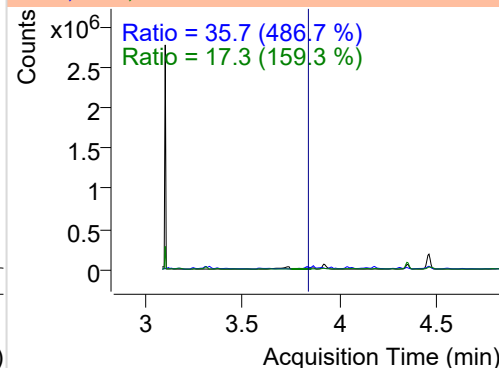
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.737	136.0	90634	29707.83	ND ng/ml	17.3
Naphthalene	3.753	128.0	1560851	1683578.61	ND ng/ml	47.1
Acenaphthylene	7.171	152.0	1757	1319.41	ND ng/ml	
IS-D10-Acenaphthene	7.532	164.0	53494	38227.08	ND ng/ml	99.0
Acenaphthene	7.597	154.0	16803	11531.63	ND ng/ml	111.6
LSS-D10-Fluorene	8.694	176.0	46465	34283.30	ND ng/ml	99.8
Fluorene	8.757	166.0	32075	21412.26	ND ng/ml	89.8
IS-D10-Phenanthrene	10.900	188.0	89950	58728.80	ND ng/ml	15.1
Phenanthrene	10.942	178.0	94286	57728.57	ND ng/ml	18.4
Anthracene	11.047	178.0	3295	1962.28	ND ng/ml	22.9
Fluoranthene	13.715	202.0	20710	14128.37	ND ng/ml	18.7
LSS-D10-Pyrene	14.170	212.0	68724	43998.27	ND ng/ml	18.1
Pyrene	14.208	202.0	29190	16112.86	ND ng/ml	24.5
Benz(a)anthracene	17.000	228.0	924	319.68	ND ng/ml	87.8
IS-D12-Chrysene	17.092	240.0	71253	38557.66	ND ng/ml	18.6
Chrysene	17.141	228.0	1390	635.68	ND ng/ml	25.8
Benzo(b)fluoranthene	19.390	252.0	8110	4128.35	ND ng/ml	8.4
Benzo(k)fluoranthene	19.390	252.0	8110	4128.35	ND ng/ml	8.4
SS-D12-Benzo(e)pyrene	19.931	264.0	57518	32110.10	ND ng/ml	22.6
Benzo(e)pyrene	20.010	252.0	15544	8311.75	ND ng/ml	15.8
Benzo(a)pyrene	20.010	252.0	15544	8311.75	ND ng/ml	15.8
IS-D12-Perylene	20.195	264.0	75316	46612.28	ND ng/ml	23.7
Perylene	20.237	252.0	13220	6613.63	ND ng/ml	15.9
Indeno(1,2,3-c,d)pyrene	22.114	276.0	248	95.24	ND ng/ml	53.0
Dibenz(a,h)anthracene	22.191	278.0	321	71.45	ND ng/ml	
Benzo(g,h,i)perylene	22.534	276.0	83	44.60	ND ng/ml	
Coronene	24.924	300.0	117	27.65	ND ng/ml	

IS-D8-Naphthalene

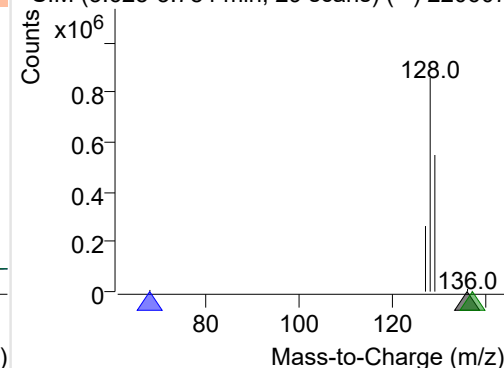
+ Selected Ion (136.0) 220607-PAHs-045.D



136.0, 68.0, 137.0

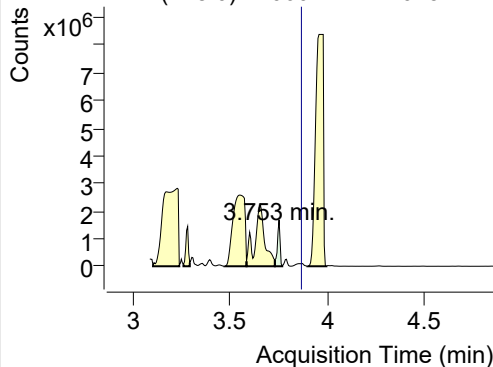


+ SIM (3.625-3.784 min, 29 scans) (**) 220607

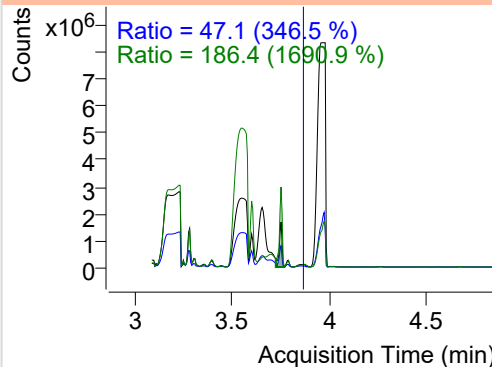


Naphthalene

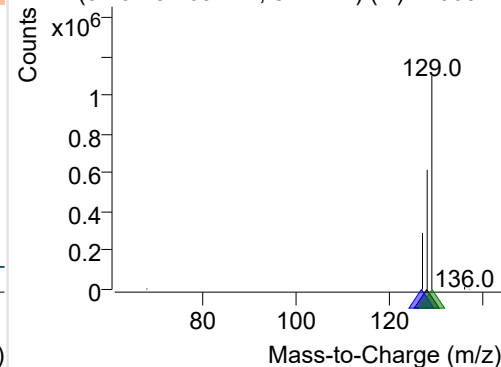
+ Selected Ion (128.0) 220607-PAHs-045.D



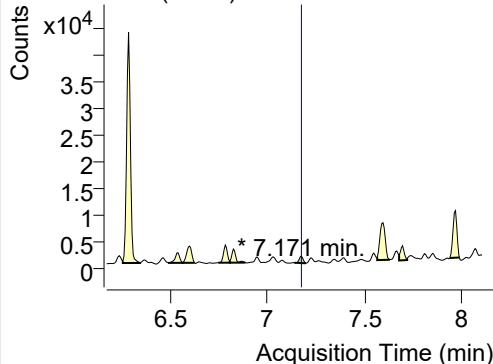
128.0, 127.0, 129.0



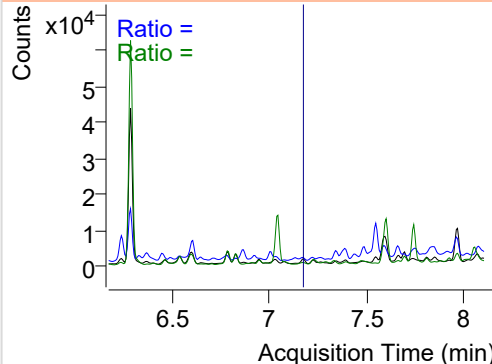
+ SIM (3.731-3.769 min, 8 scans) (**) 220607-I

**Acenaphthylene**

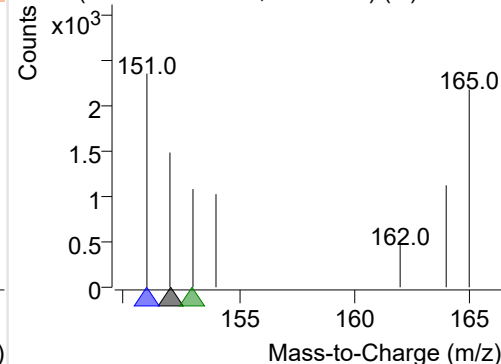
+ Selected Ion (152.0) 220607-PAHs-045.D



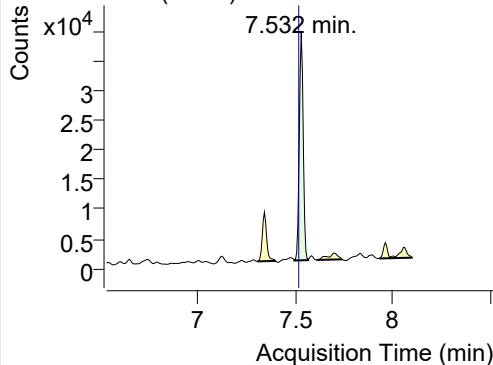
152.0, 151.0, 153.0



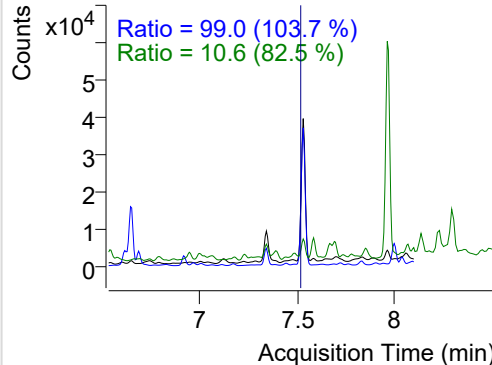
+ SIM (7.136-7.195 min, 11 scans) (**) 220607

**IS-D10-Acenaphthene**

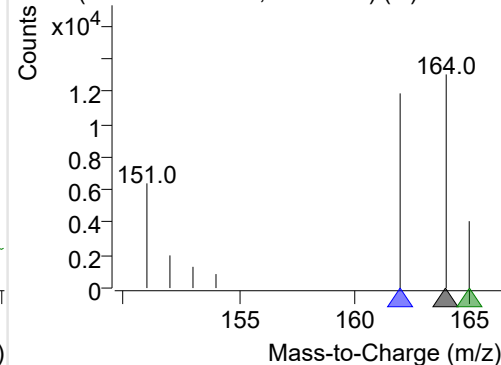
+ Selected Ion (164.0) 220607-PAHs-045.D



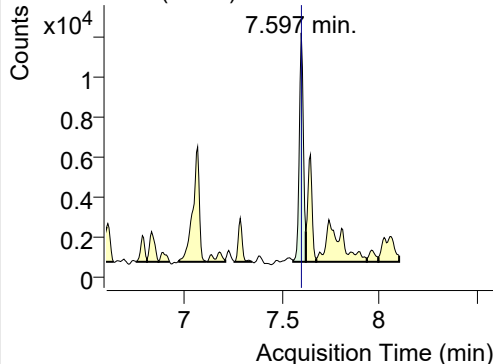
164.0, 162.0, 165.0



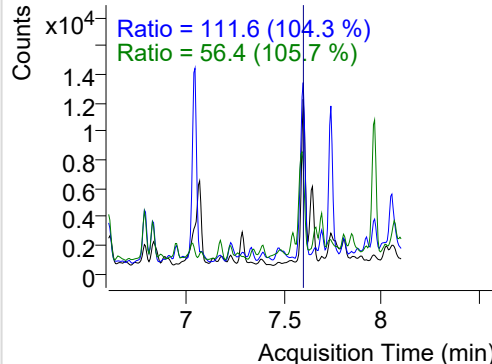
+ SIM (7.497-7.568 min, 13 scans) (**) 220607

**Acenaphthene**

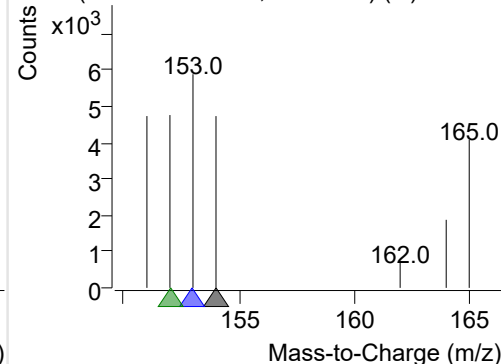
+ Selected Ion (154.0) 220607-PAHs-045.D



154.0, 153.0, 152.0

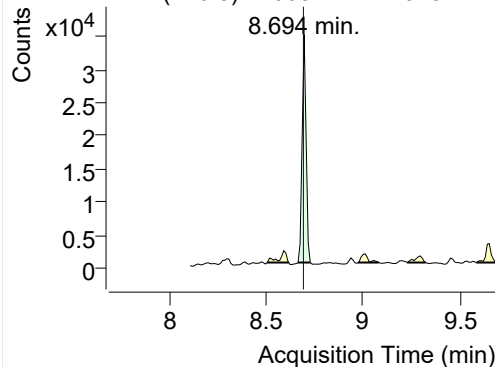


+ SIM (7.556-7.621 min, 12 scans) (**) 220607

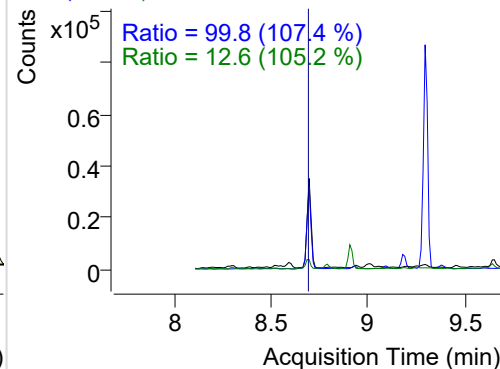


LSS-D10-Fluorene

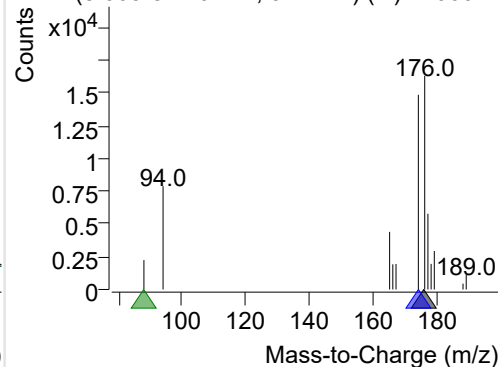
+ Selected Ion (176.0) 220607-PAHs-045.D



176.0, 174.0, 88.0

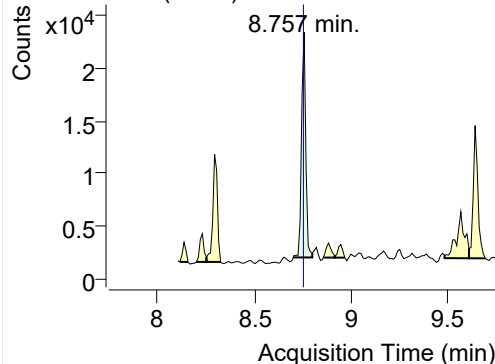


+ SIM (8.663-8.726 min, 5 scans) (**) 220607-I

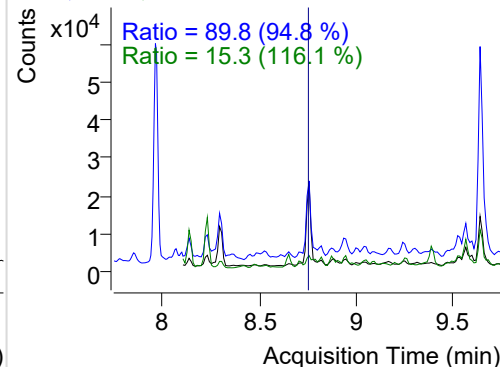


Fluorene

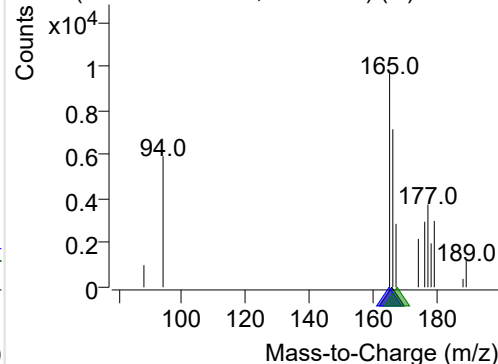
+ Selected Ion (166.0) 220607-PAHs-045.D



166.0, 165.0, 167.0

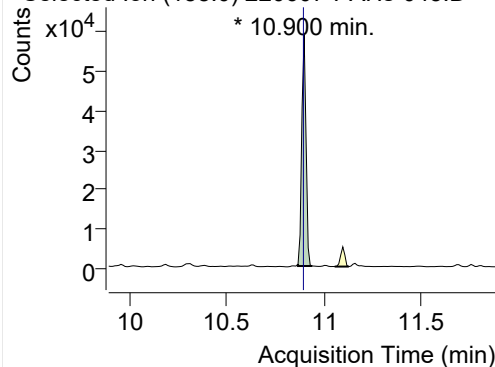


+ SIM (8.701-8.799 min, 10 scans) (**) 220607

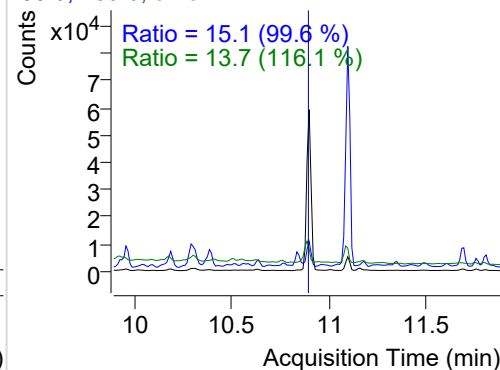


IS-D10-Phenanthrene

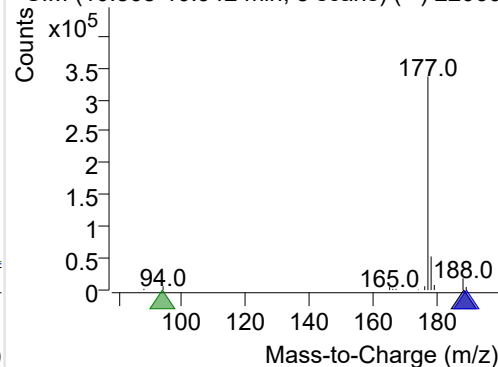
+ Selected Ion (188.0) 220607-PAHs-045.D



188.0, 189.0, 94.0

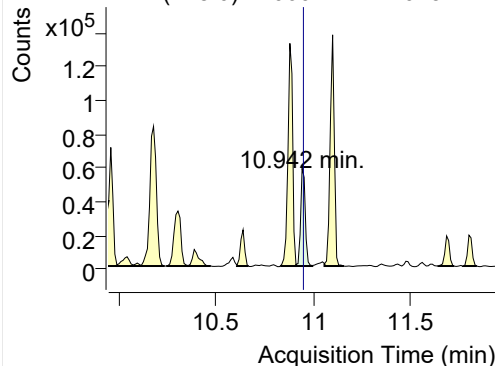


+ SIM (10.868-10.942 min, 8 scans) (**) 22060

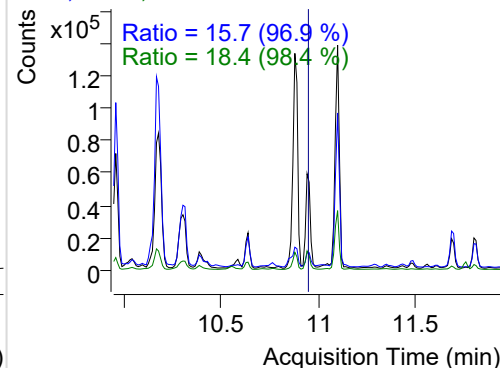


Phenanthrene

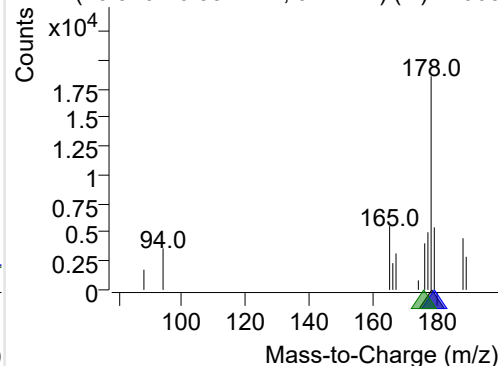
+ Selected Ion (178.0) 220607-PAHs-045.D



178.0, 179.0, 176.0

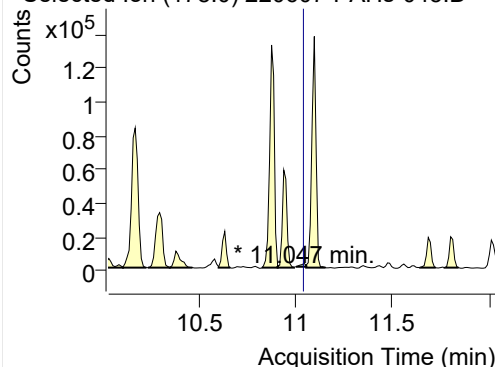


+ SIM (10.910-10.994 min, 9 scans) (**) 22060

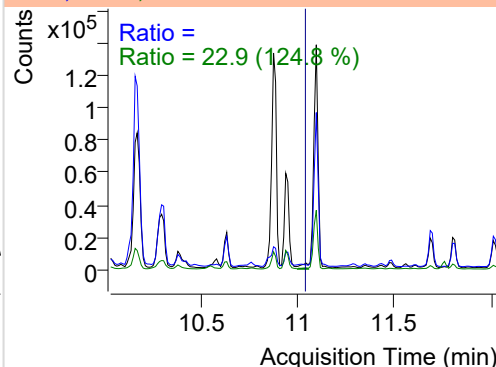


Anthracene

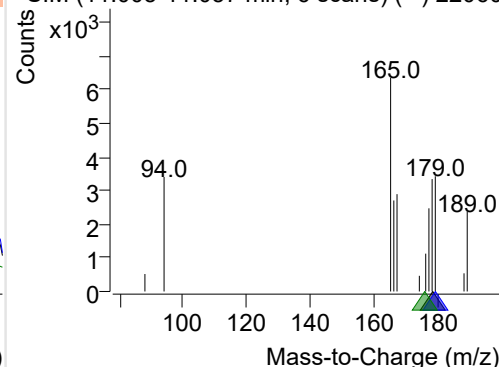
+ Selected Ion (178.0) 220607-PAHs-045.D



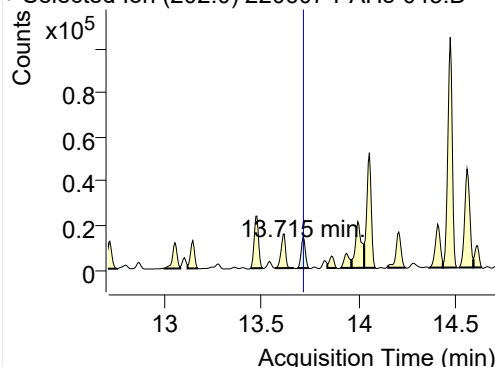
178.0, 179.0, 176.0



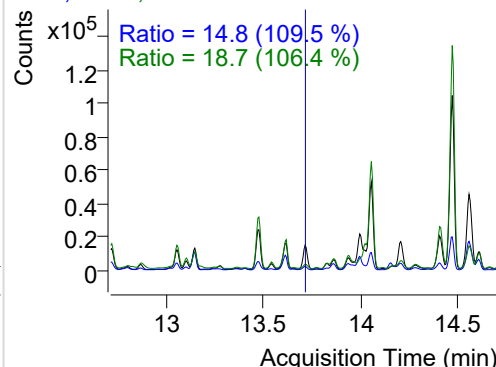
+ SIM (11.005-11.057 min, 6 scans) (**) 22060

**Fluoranthene**

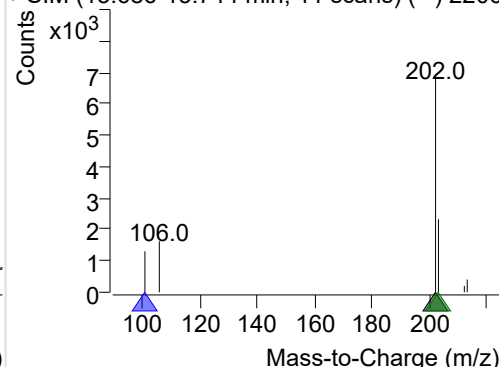
+ Selected Ion (202.0) 220607-PAHs-045.D



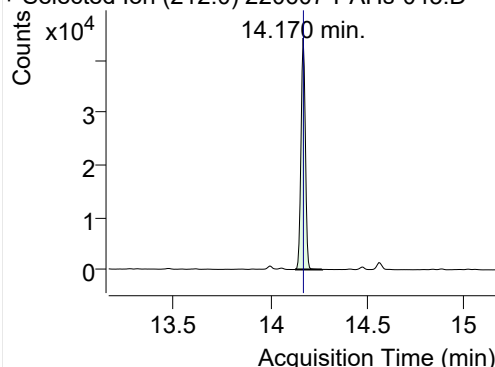
202.0, 101.0, 203.0



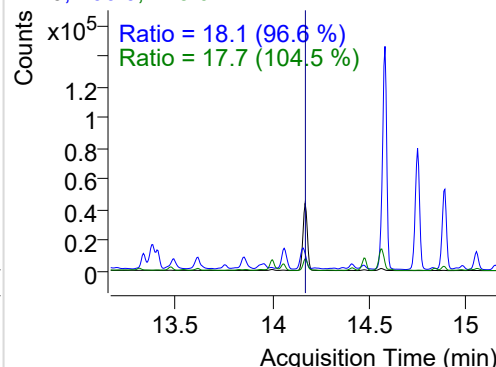
+ SIM (13.686-13.744 min, 11 scans) (**) 2206

**LSS-D10-Pyrene**

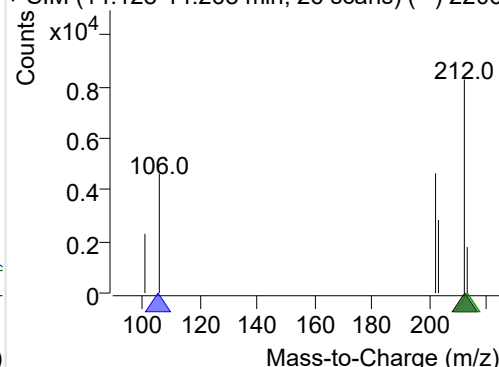
+ Selected Ion (212.0) 220607-PAHs-045.D



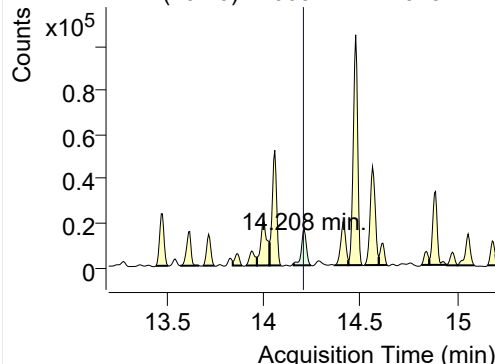
212.0, 106.0, 213.0



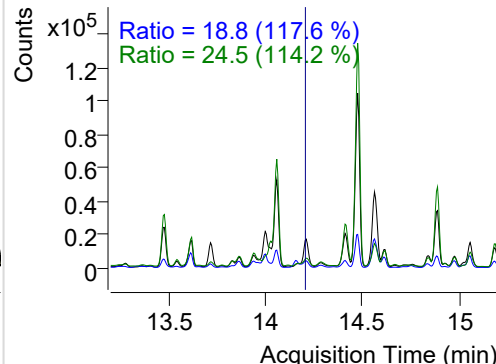
+ SIM (14.128-14.268 min, 26 scans) (**) 2206

**Pyrene**

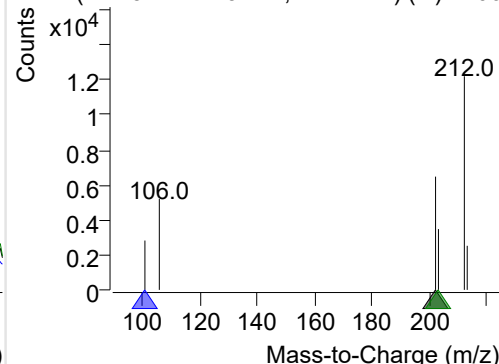
+ Selected Ion (202.0) 220607-PAHs-045.D



202.0, 101.0, 203.0



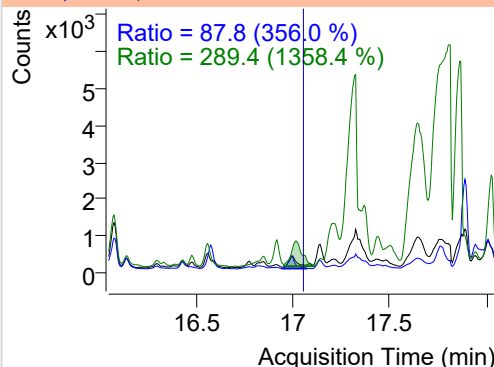
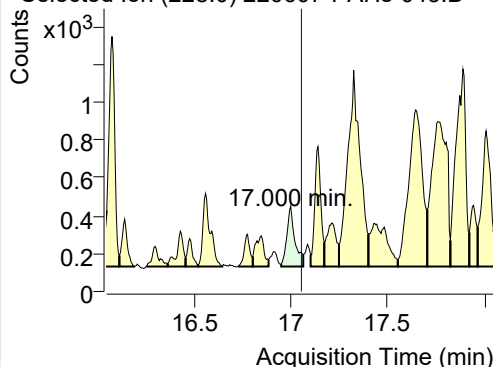
+ SIM (14.154-14.243 min, 17 scans) (**) 2206



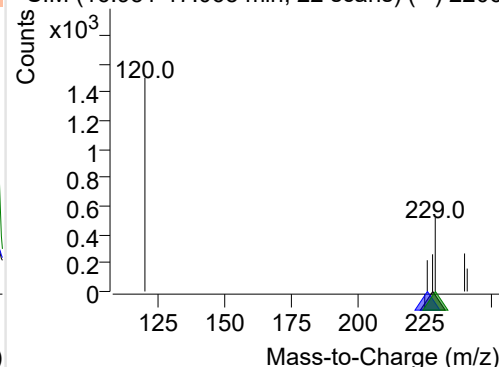
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-045.D

228.0, 226.0, 229.0

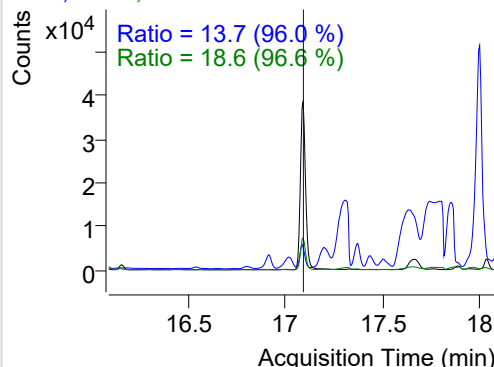
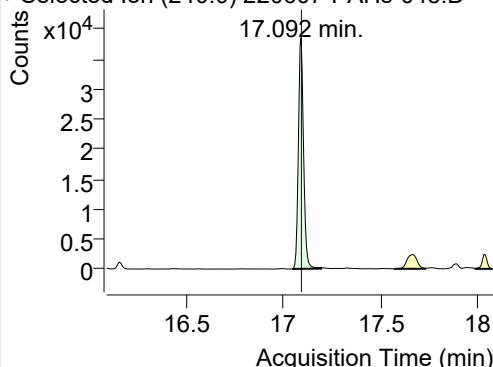


+ SIM (16.951-17.065 min, 22 scans) (**) 2206

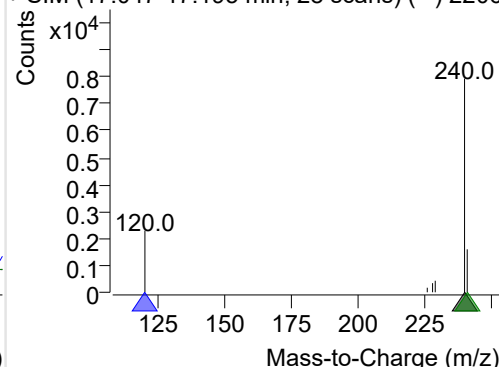
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-045.D

240.0, 120.0, 241.0

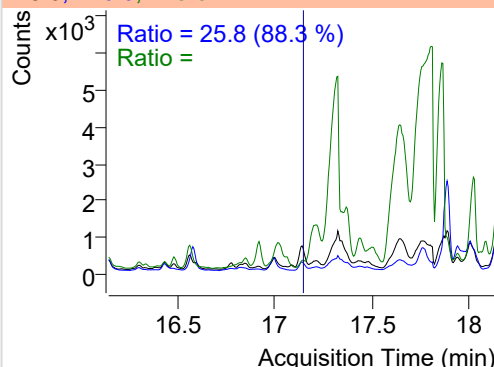
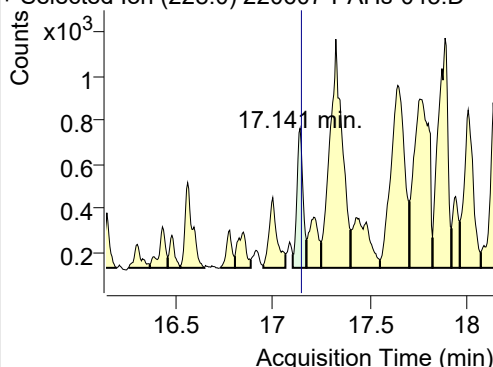


+ SIM (17.047-17.195 min, 28 scans) (**) 2206

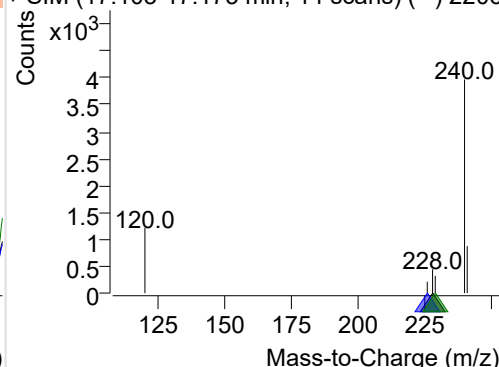
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-045.D

228.0, 226.0, 229.0

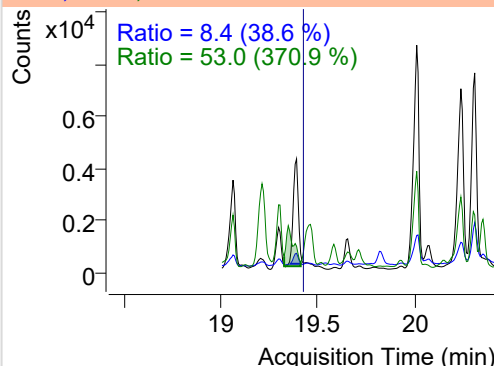
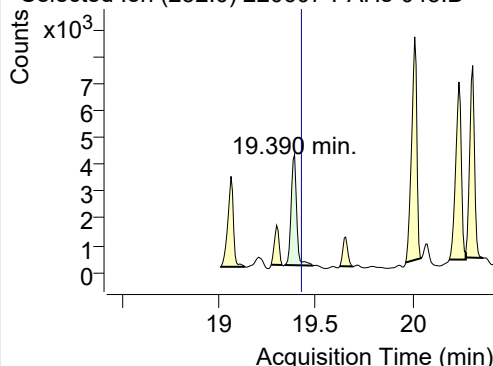


+ SIM (17.103-17.173 min, 14 scans) (**) 2206

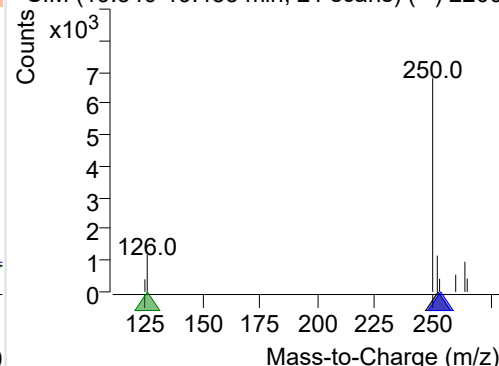
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-045.D

252.0, 253.0, 126.0



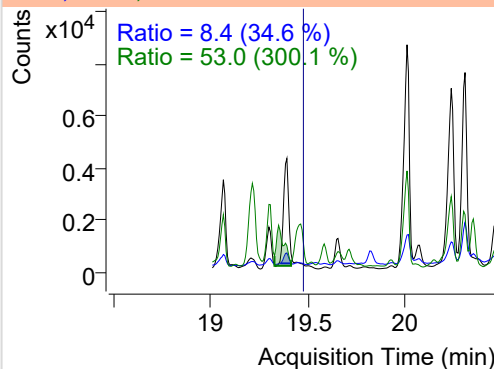
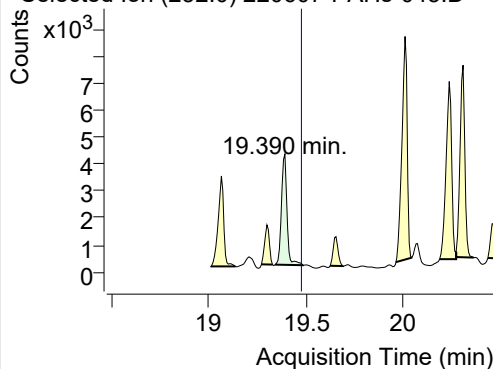
+ SIM (19.340-19.483 min, 21 scans) (**) 2206



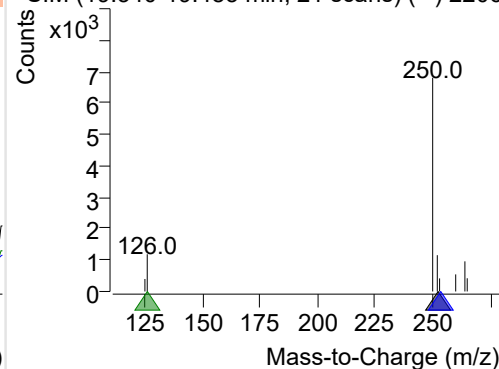
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-045.D

252.0, 253.0, 126.0

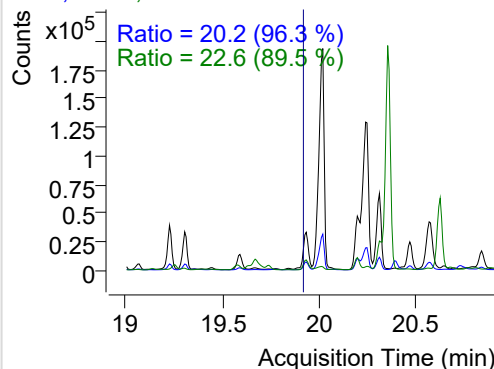
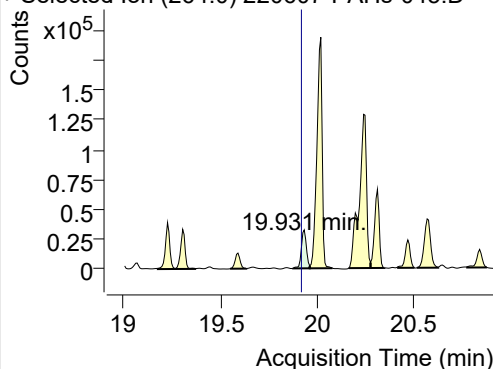


+ SIM (19.340-19.483 min, 21 scans) (**) 2206

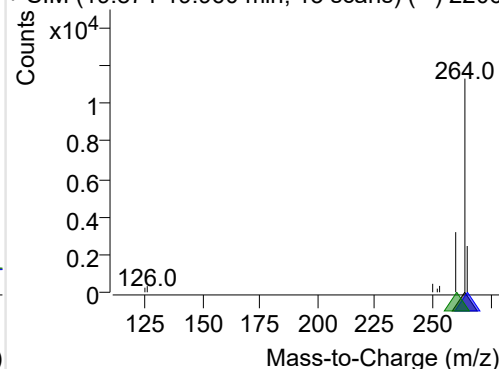
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-045.D

264.0, 265.0, 260.0

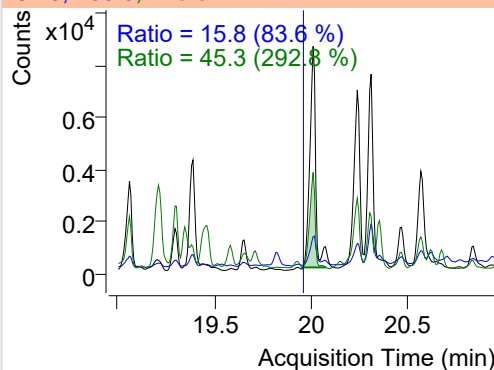
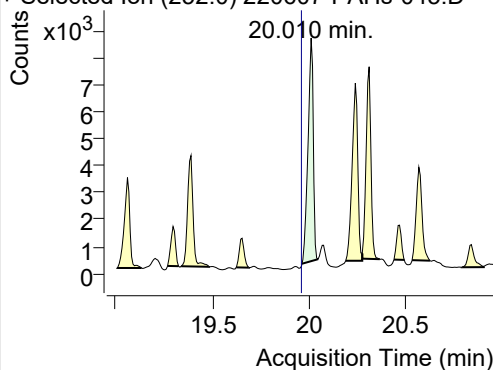


+ SIM (19.874-19.960 min, 13 scans) (**) 2206

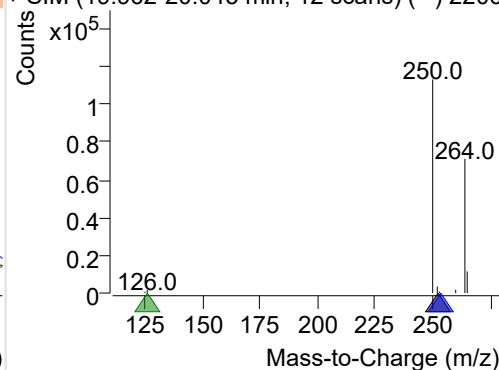
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-045.D

252.0, 253.0, 126.0

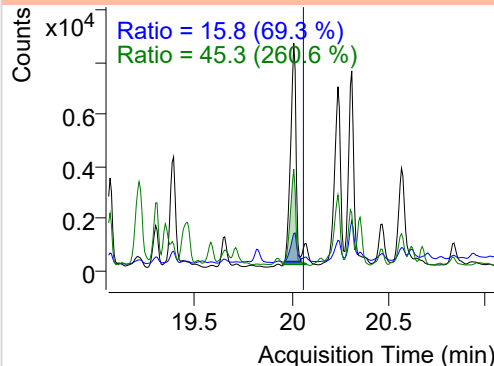
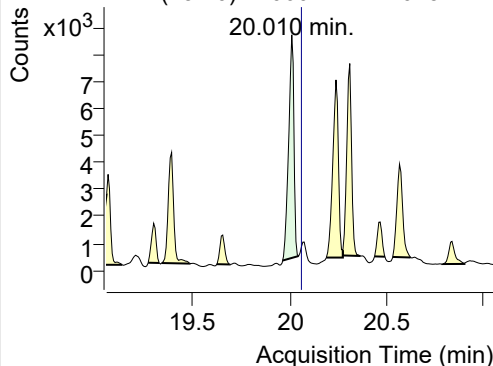


+ SIM (19.962-20.045 min, 12 scans) (**) 2206

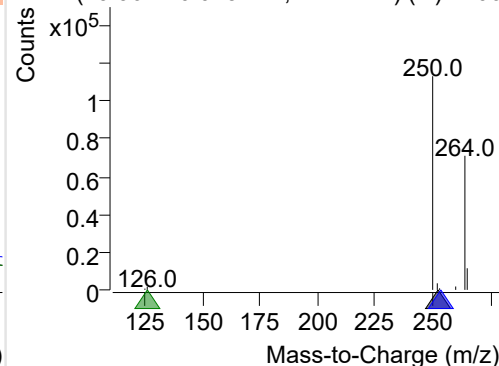
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-045.D

252.0, 253.0, 126.0

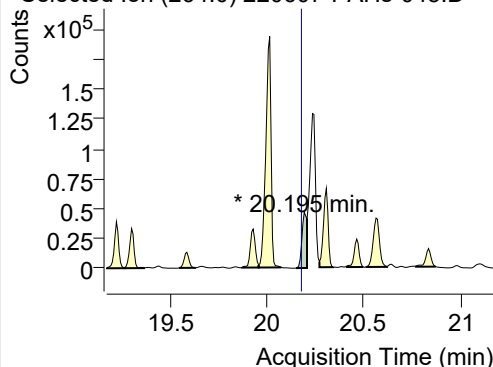


+ SIM (19.962-20.045 min, 12 scans) (**) 2206

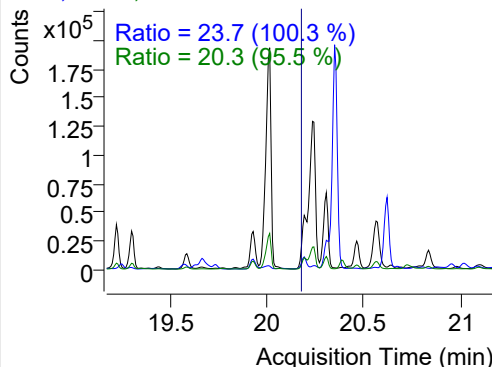


IS-D12-Perylene

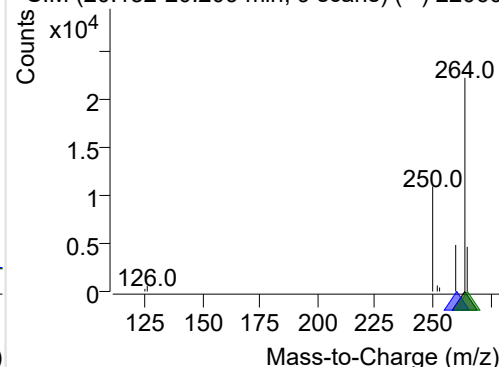
+ Selected Ion (264.0) 220607-PAHs-045.D



264.0, 260.0, 265.0

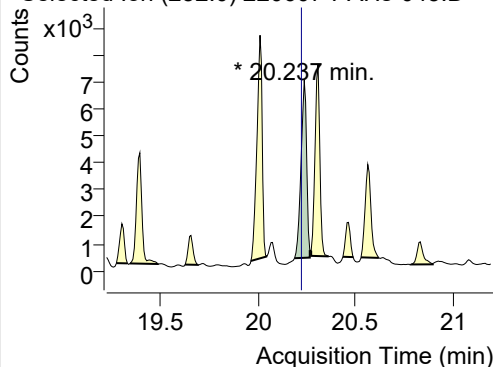


+ SIM (20.152-20.209 min, 9 scans) (**) 22060

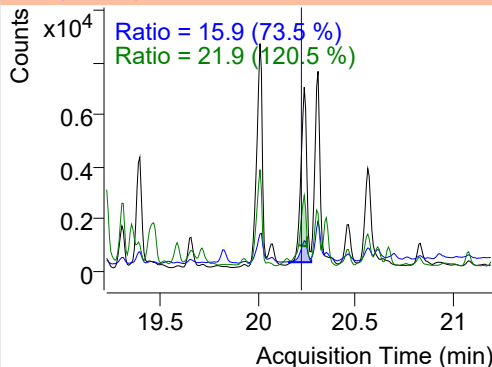


Perylene

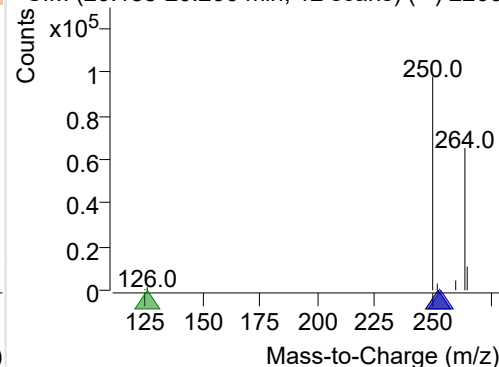
+ Selected Ion (252.0) 220607-PAHs-045.D



252.0, 253.0, 126.0

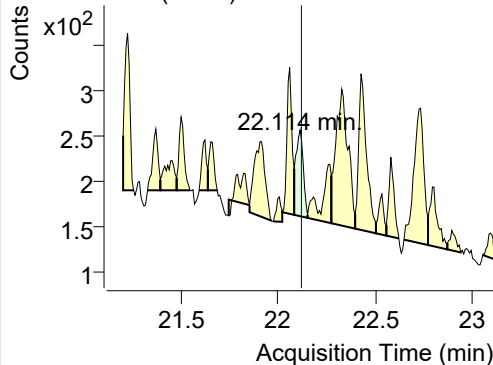


+ SIM (20.188-20.266 min, 12 scans) (**) 2206

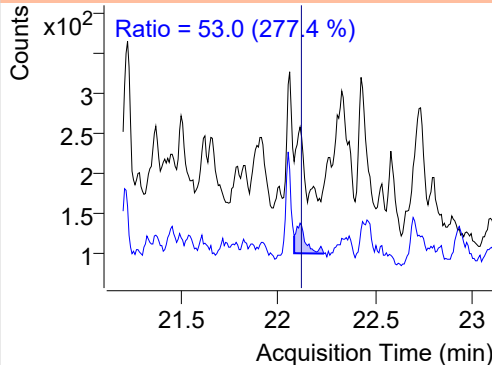


Indeno(1,2,3-c,d)pyrene

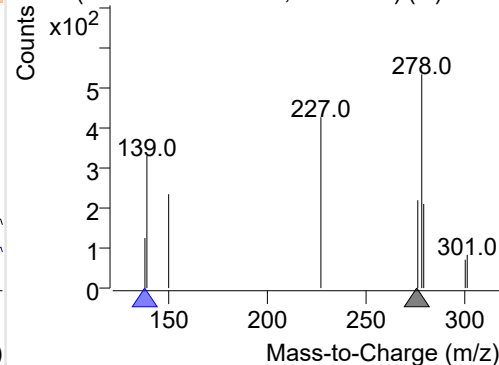
+ Selected Ion (276.0) 220607-PAHs-045.D



276.0, 138.0

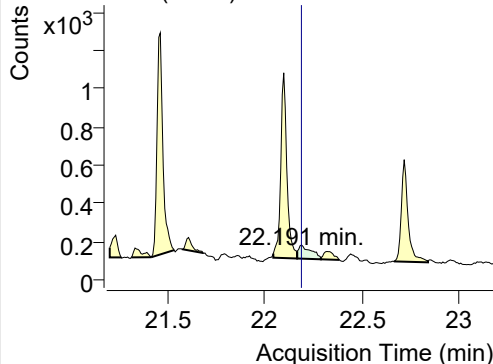


+ SIM (22.084-22.152 min, 10 scans) (**) 2206

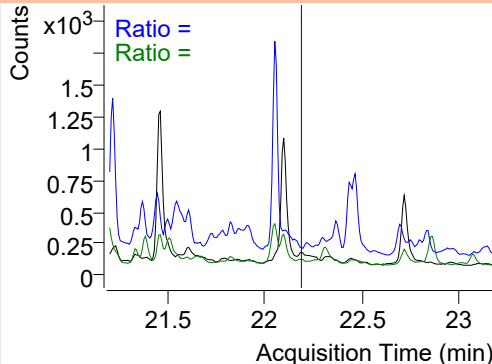


Dibenz(a,h)anthracene

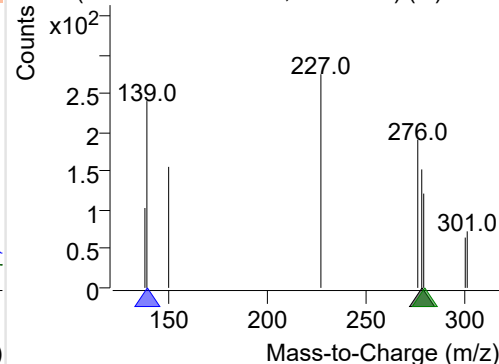
+ Selected Ion (278.0) 220607-PAHs-045.D



278.0, 139.0, 279.0



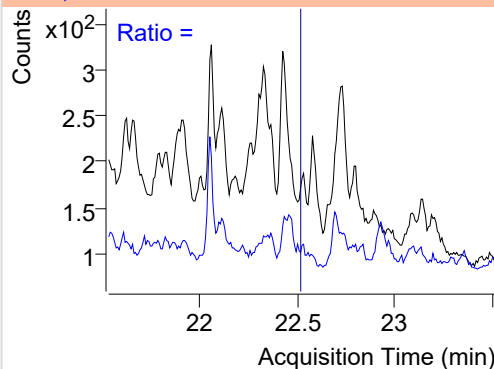
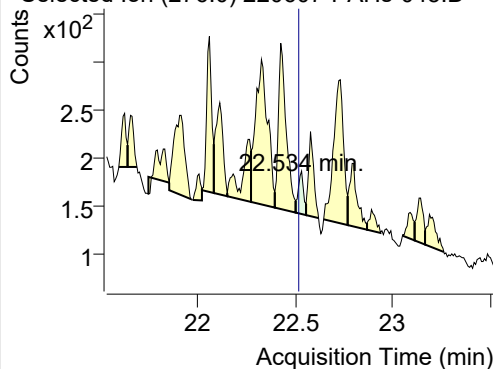
+ SIM (22.168-22.290 min, 17 scans) (**) 2206



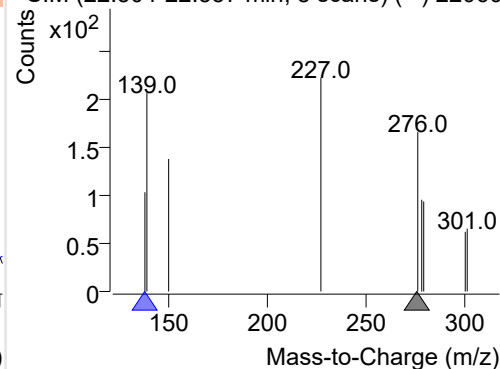
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-045.D

276.0, 138.0

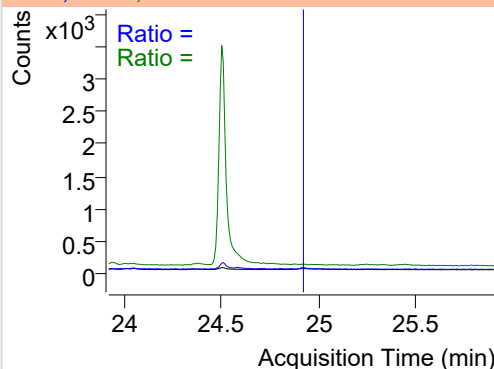
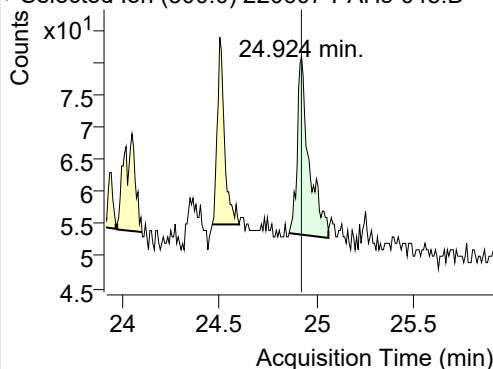


+ SIM (22.504-22.557 min, 8 scans) (**) 22060

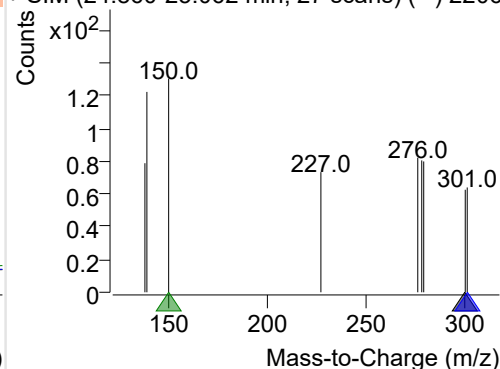
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-045.D

300.0, 301.0, 150.0



+ SIM (24.860-25.062 min, 27 scans) (**) 2206



Quantitative Analysis Sample Based Report

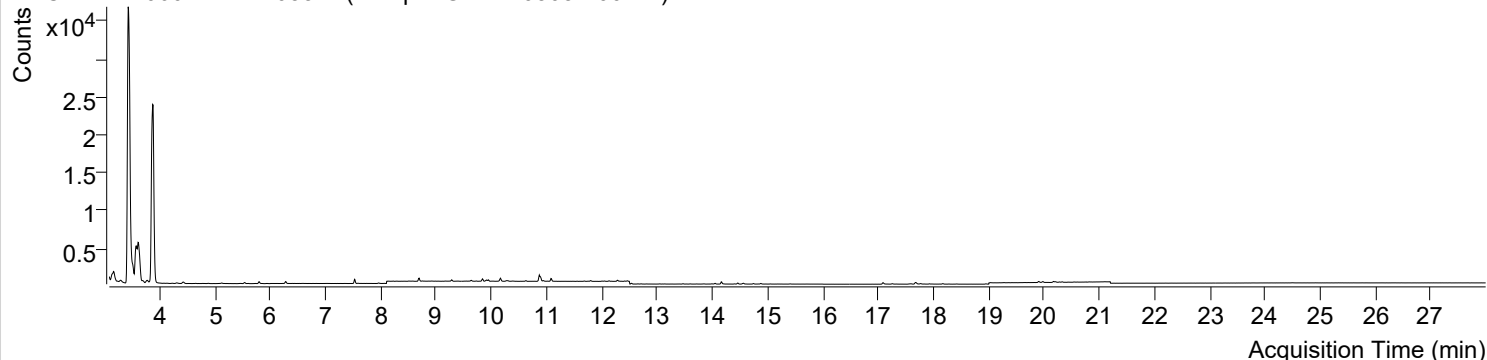


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오후 12:57:06	Data File	220607-PAHs-053.D
Type	Sample	Name	Sample-Gas-220505-100DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

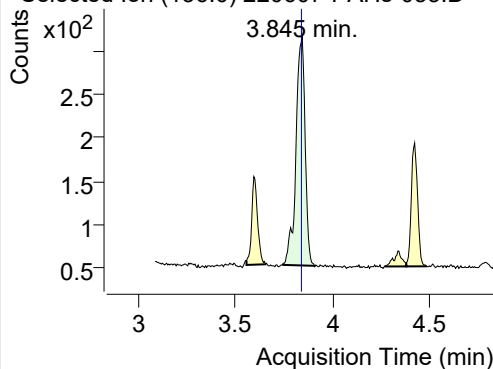
+ TIC SIM 220607-PAHs-053.D (Sample-Gas-220505-100DIL)



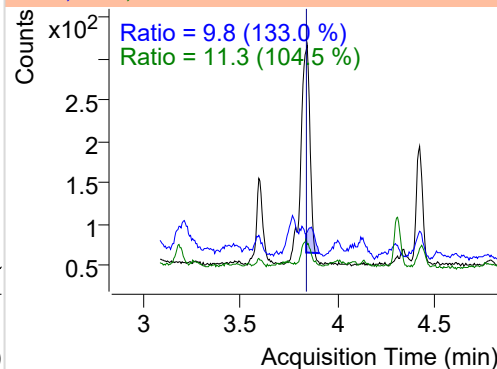
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.845	136.0	869	264.58	ND ng/ml	11.3
Naphthalene	3.878	128.0	57199	18909.43	ND ng/ml	12.9
Acenaphthylene	7.585	152.0	18	6.55	ND ng/ml	68.0
IS-D10-Acenaphthene	7.526	164.0	403	263.51	ND ng/ml	95.1
Acenaphthene	7.597	154.0	14	9.47	ND ng/ml	106.3
LSS-D10-Fluorene	8.694	176.0	308	184.93	ND ng/ml	90.4
Fluorene	8.757	166.0	28	13.90	ND ng/ml	98.7
IS-D10-Phenanthrene	10.889	188.0	674	405.37	ND ng/ml	15.2
Phenanthrene	10.942	178.0	92	52.64	ND ng/ml	16.3
Anthracene	11.078	178.0	161	92.64	ND ng/ml	28.9
Fluoranthene	13.715	202.0	18	11.97	ND ng/ml	
LSS-D10-Pyrene	14.165	212.0	365	218.43	ND ng/ml	20.8
Pyrene	14.198	202.0	20	11.97	ND ng/ml	
Benz(a)anthracene	17.152	228.0	7	3.14	ND ng/ml	
IS-D12-Chrysene	17.087	240.0	311	145.85	ND ng/ml	17.3
Chrysene	17.152	228.0	7	3.14	ND ng/ml	
Benzo(b)fluoranthene	19.034	252.0	12	7.07	ND ng/ml	
Benzo(k)fluoranthene	19.034	252.0	12	7.07	ND ng/ml	
SS-D12-Benzo(e)pyrene	19.903	264.0	194	91.31	ND ng/ml	26.3
Benzo(e)pyrene	19.988	252.0	25	12.07	ND ng/ml	
Benzo(a)pyrene	19.988	252.0	25	12.07	ND ng/ml	
IS-D12-Perylene	20.173	264.0	255	85.31	ND ng/ml	16.4
Perylene	20.216	252.0	21	8.62	ND ng/ml	
Indeno(1,2,3-c,d)pyrene		276.0			ND ng/ml	
Dibenz(a,h)anthracene	22.198	278.0	5	3.21	ND ng/ml	213.7
Benzo(g,h,i)perylene		276.0			ND ng/ml	
Coronene	24.924	300.0	7	3.55	ND ng/ml	

IS-D8-Naphthalene

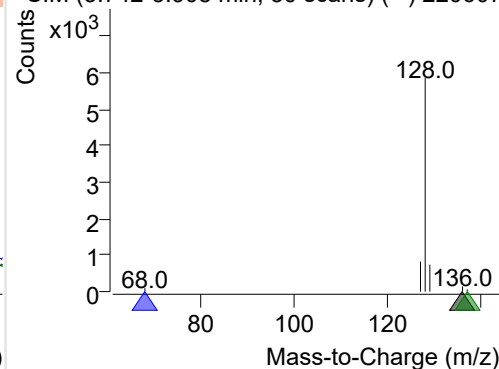
+ Selected Ion (136.0) 220607-PAHs-053.D



136.0, 68.0, 137.0

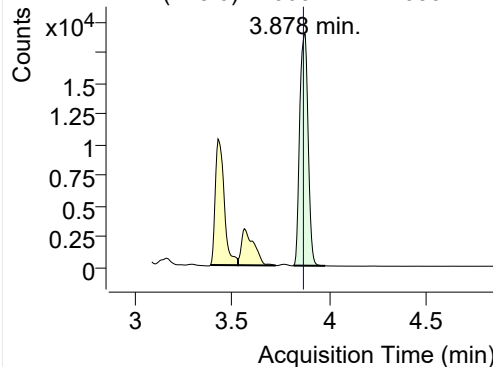


+ SIM (3.742-3.908 min, 30 scans) (**) 220607

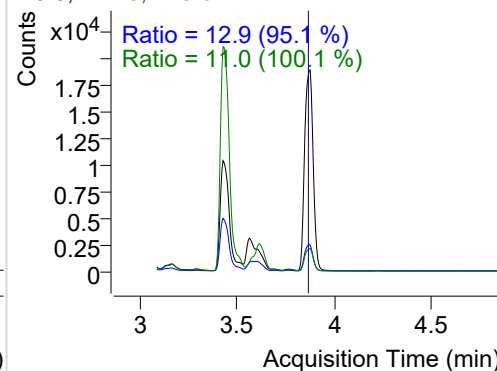


Naphthalene

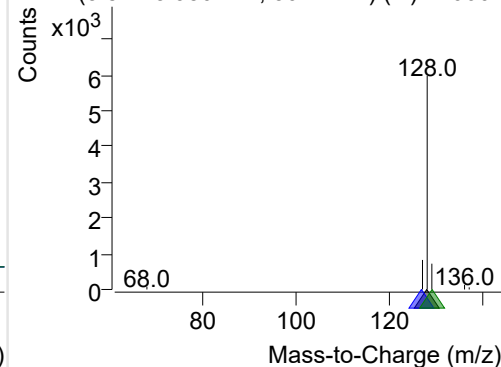
+ Selected Ion (128.0) 220607-PAHs-053.D



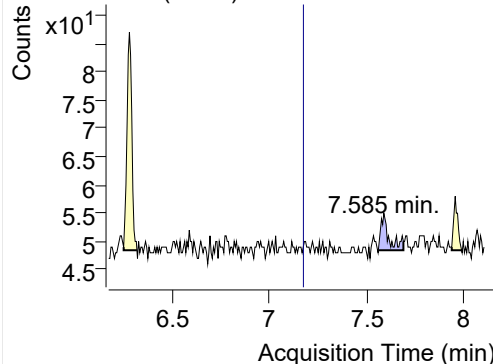
128.0, 127.0, 129.0



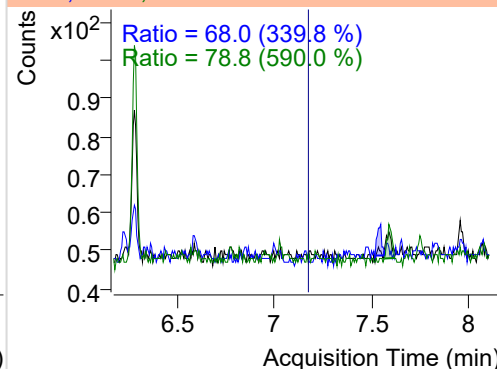
+ SIM (3.817-3.980 min, 30 scans) (**) 220607

**Acenaphthylene**

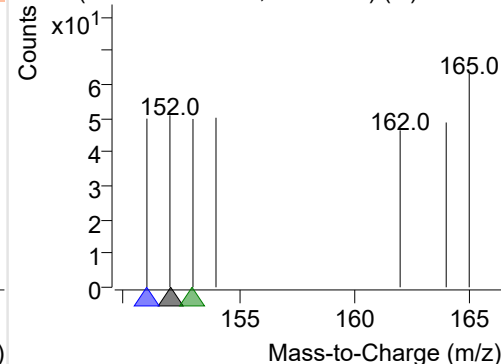
+ Selected Ion (152.0) 220607-PAHs-053.D



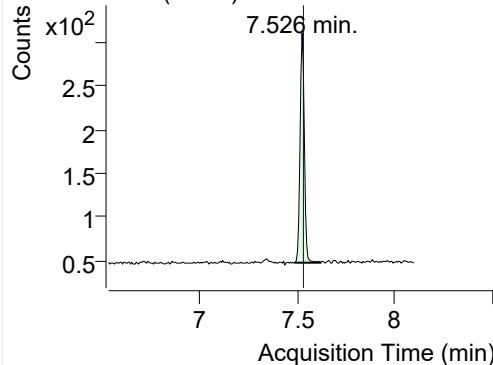
152.0, 151.0, 153.0



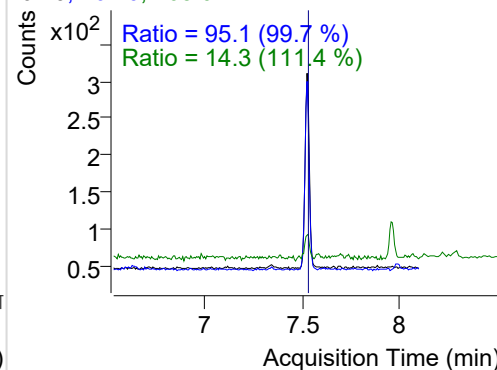
+ SIM (7.557-7.686 min, 22 scans) (**) 220607

**IS-D10-Acenaphthene**

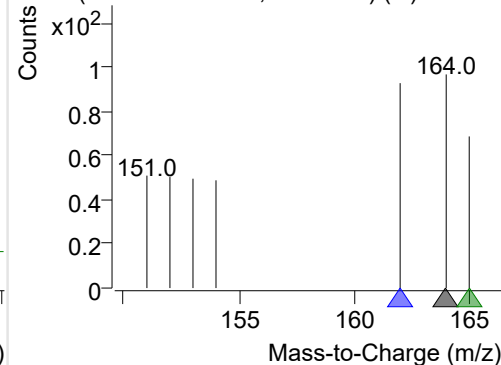
+ Selected Ion (164.0) 220607-PAHs-053.D



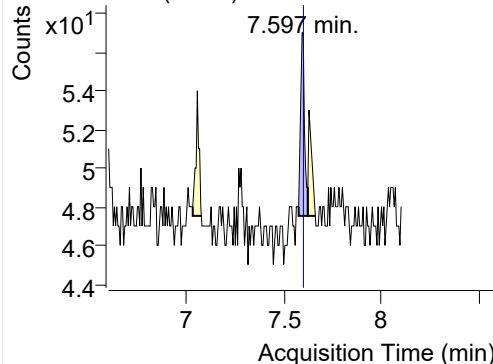
164.0, 162.0, 165.0



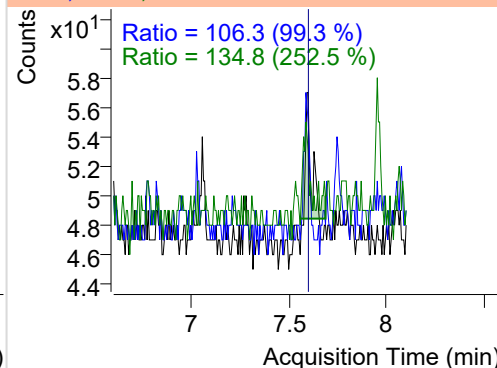
+ SIM (7.488-7.621 min, 23 scans) (**) 220607

**Acenaphthene**

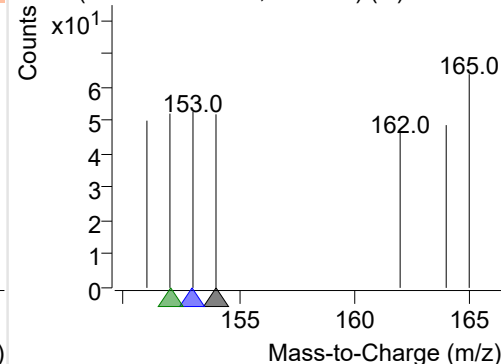
+ Selected Ion (154.0) 220607-PAHs-053.D



154.0, 153.0, 152.0

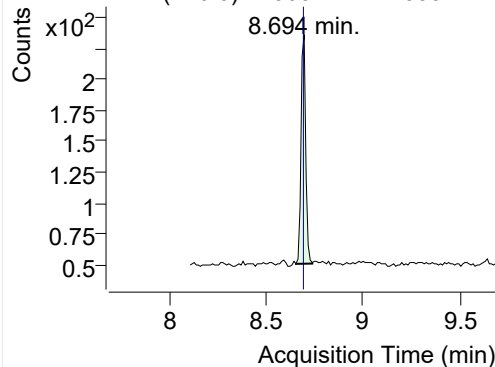


+ SIM (7.574-7.621 min, 9 scans) (**) 220607-I

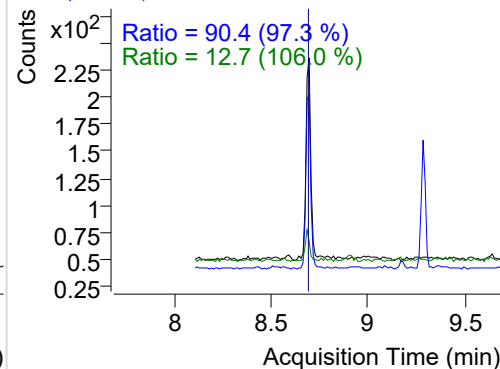


LSS-D10-Fluorene

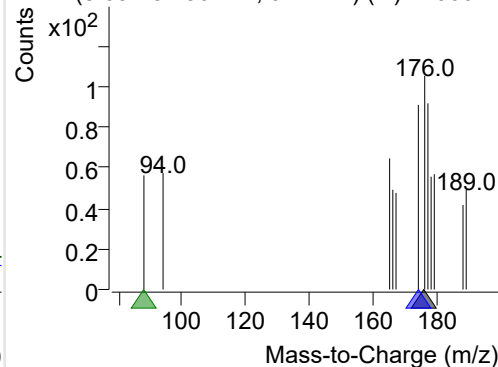
+ Selected Ion (176.0) 220607-PAHs-053.D



176.0, 174.0, 88.0

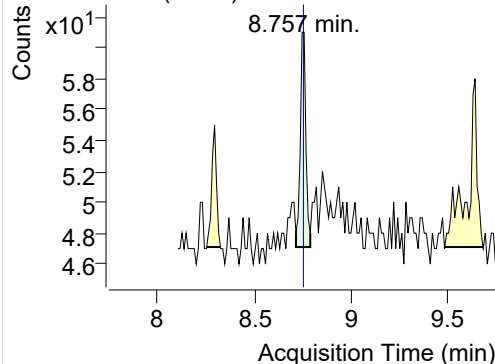


+ SIM (8.652-8.736 min, 9 scans) (**) 220607-I

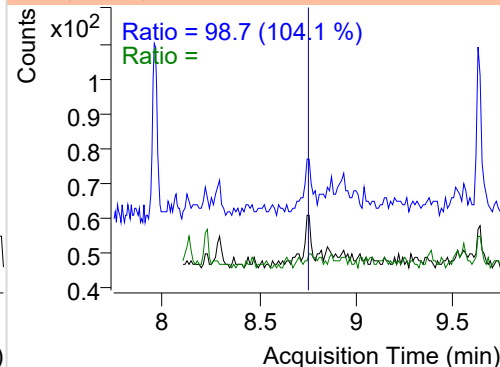


Fluorene

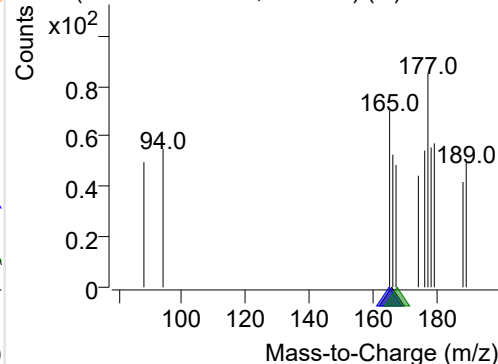
+ Selected Ion (166.0) 220607-PAHs-053.D



166.0, 165.0, 167.0

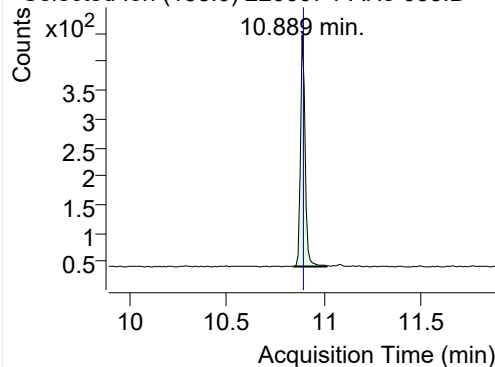


+ SIM (8.715-8.789 min, 8 scans) (**) 220607-I

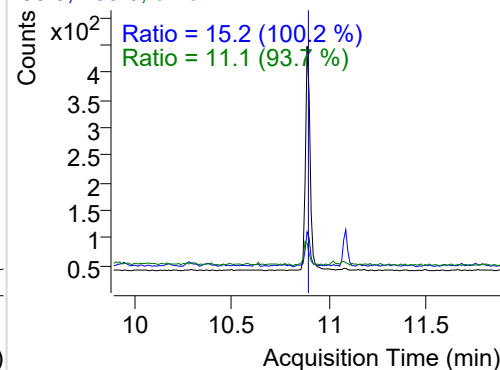


IS-D10-Phenanthrene

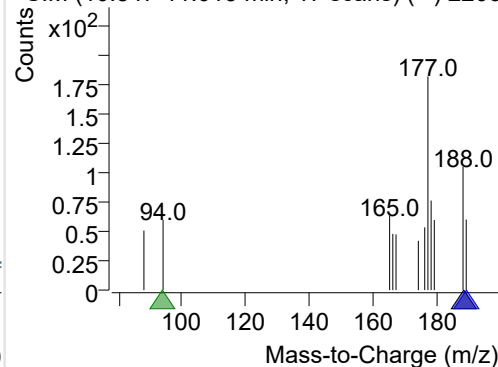
+ Selected Ion (188.0) 220607-PAHs-053.D



188.0, 189.0, 94.0

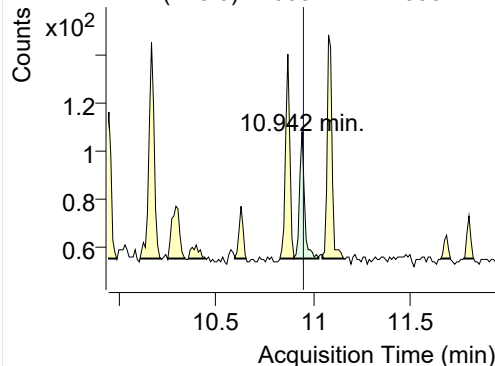


+ SIM (10.847-11.015 min, 17 scans) (**) 2206

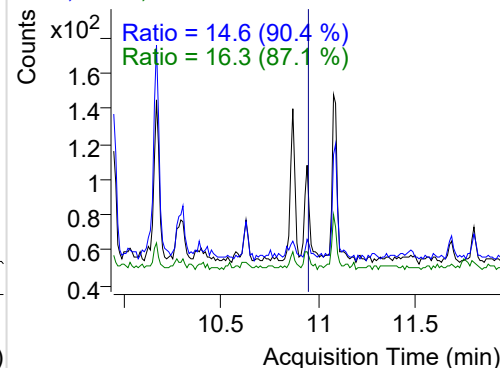


Phenanthrene

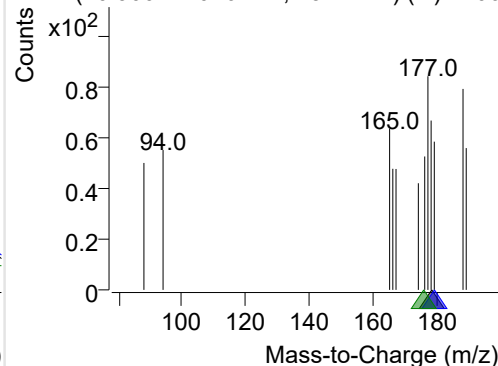
+ Selected Ion (178.0) 220607-PAHs-053.D



178.0, 179.0, 176.0

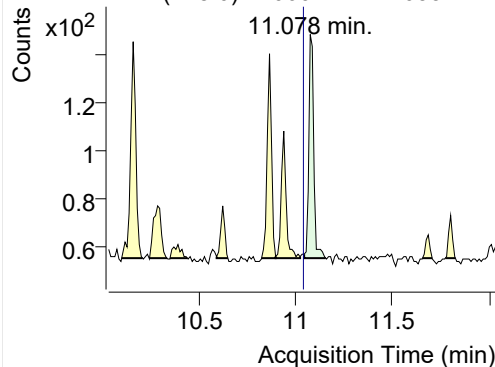


+ SIM (10.900-11.026 min, 13 scans) (**) 2206

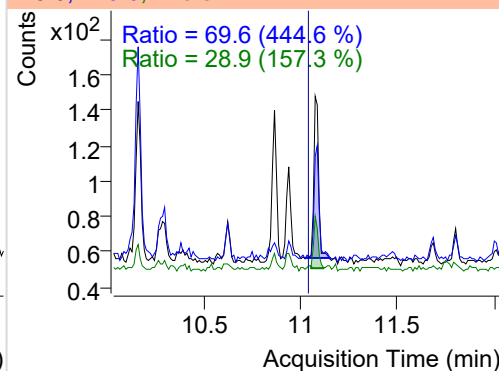


Anthracene

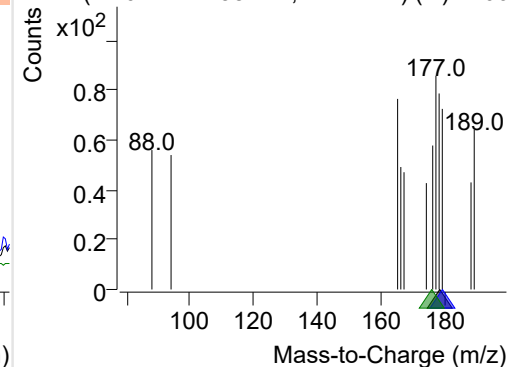
+ Selected Ion (178.0) 220607-PAHs-053.D



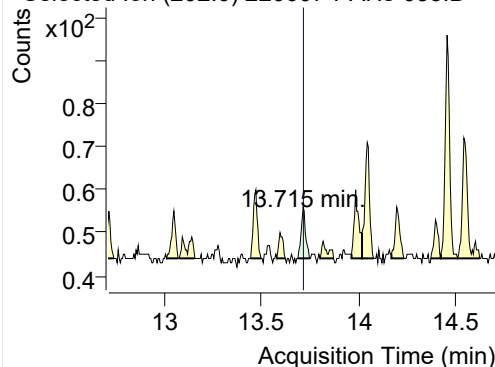
178.0, 179.0, 176.0



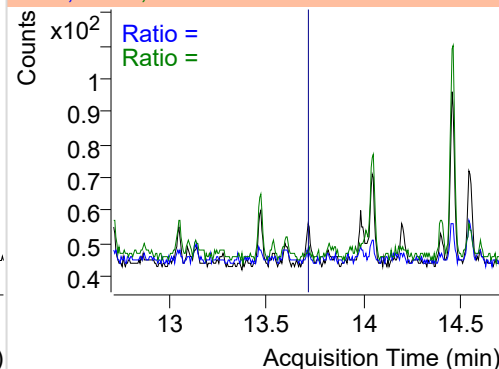
+ SIM (11.047-11.158 min, 11 scans) (**) 2206

**Fluoranthene**

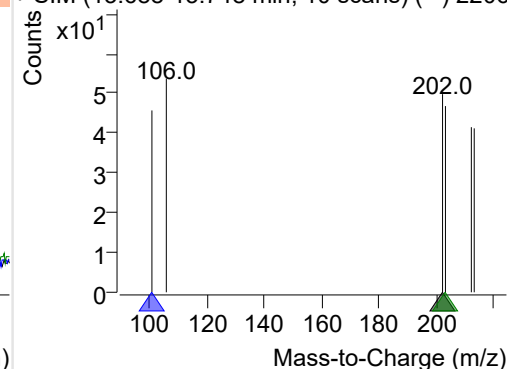
+ Selected Ion (202.0) 220607-PAHs-053.D



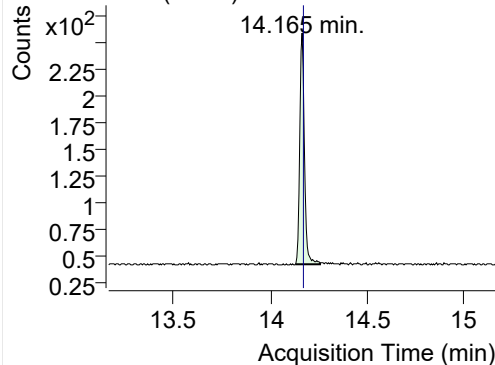
202.0, 101.0, 203.0



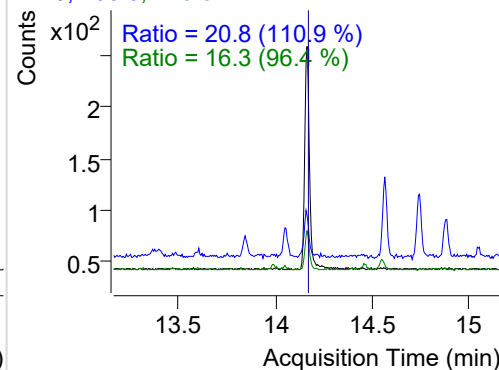
+ SIM (13.688-13.748 min, 10 scans) (**) 2206

**LSS-D10-Pyrene**

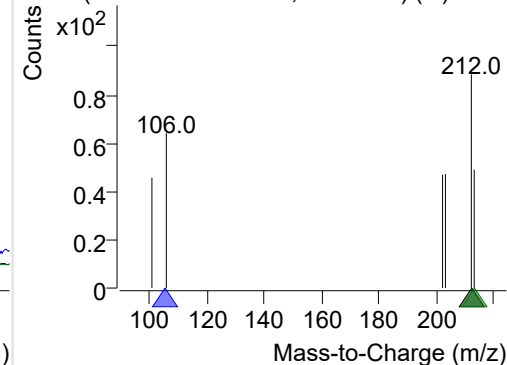
+ Selected Ion (212.0) 220607-PAHs-053.D



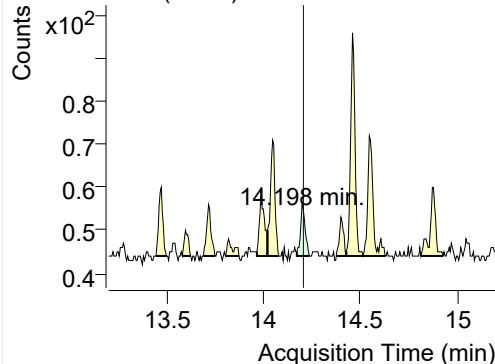
212.0, 106.0, 213.0



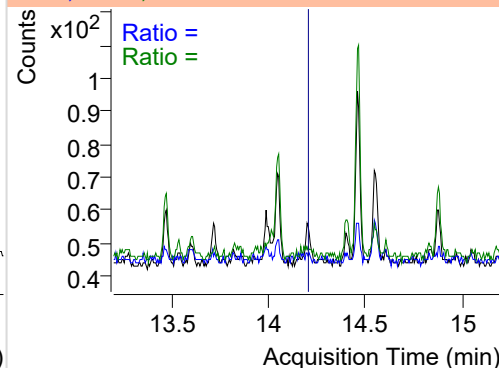
+ SIM (14.130-14.257 min, 24 scans) (**) 2206

**Pyrene**

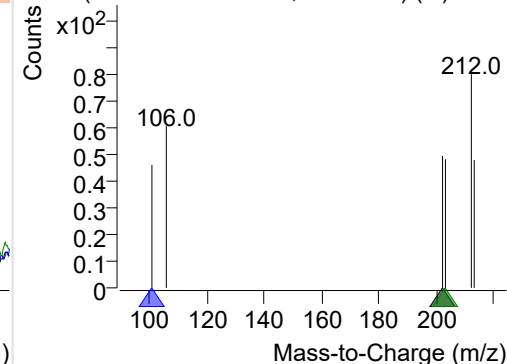
+ Selected Ion (202.0) 220607-PAHs-053.D



202.0, 101.0, 203.0



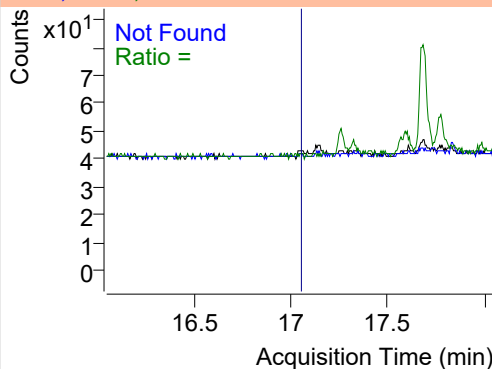
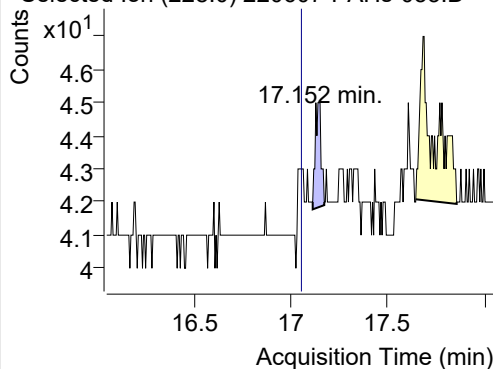
+ SIM (14.170-14.235 min, 12 scans) (**) 2206



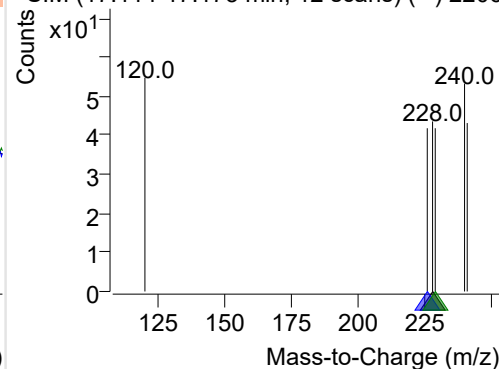
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-053.D

228.0, 226.0, 229.0

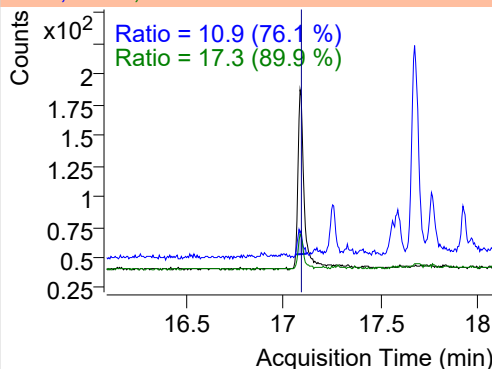
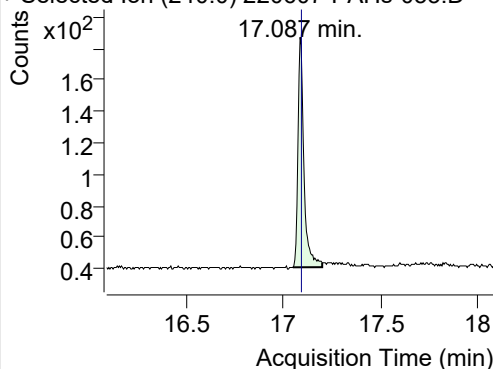


+ SIM (17.114-17.173 min, 12 scans) (**) 2206

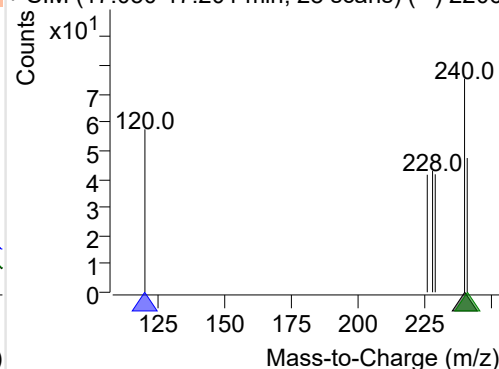
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-053.D

240.0, 120.0, 241.0

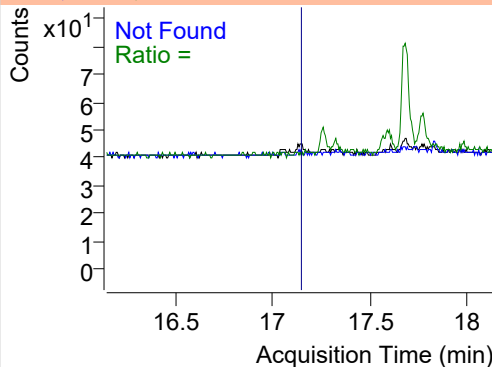
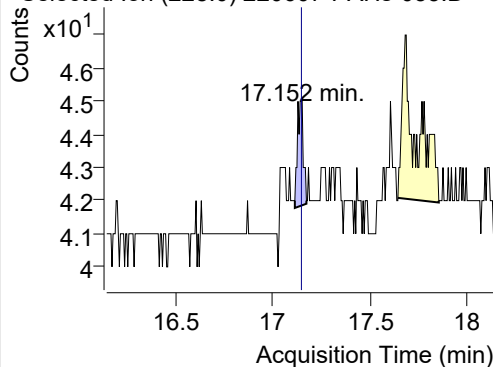


+ SIM (17.050-17.201 min, 28 scans) (**) 2206

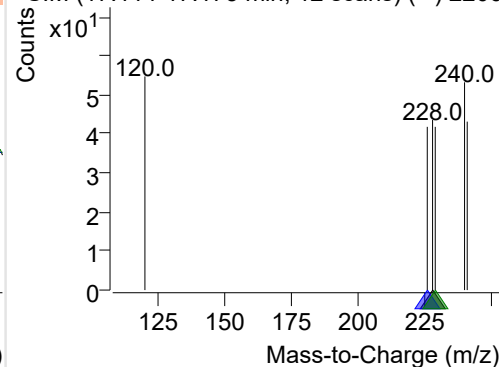
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-053.D

228.0, 226.0, 229.0

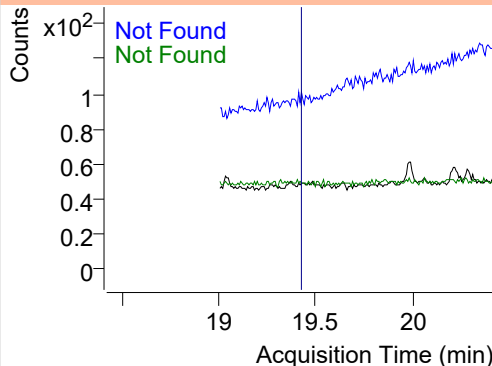
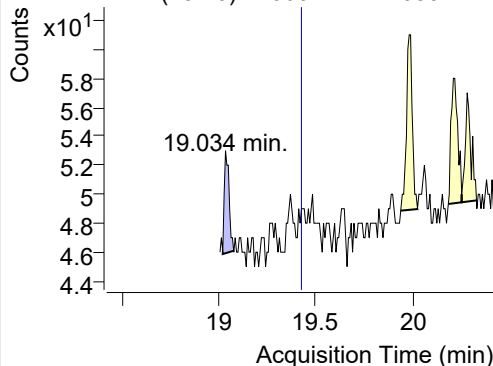


+ SIM (17.114-17.173 min, 12 scans) (**) 2206

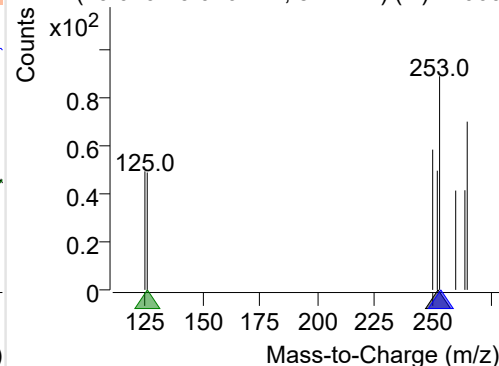
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-053.D

252.0, 253.0, 126.0



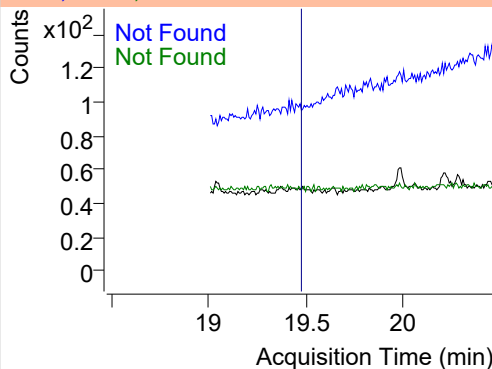
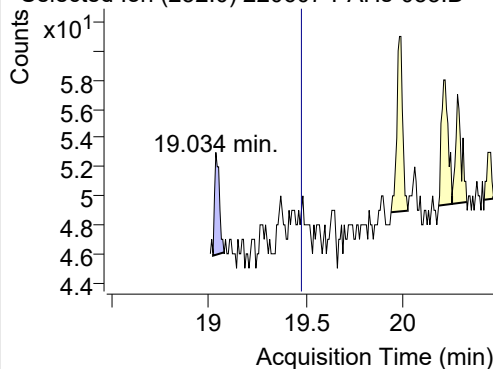
+ SIM (19.020-19.076 min, 8 scans) (**) 22060



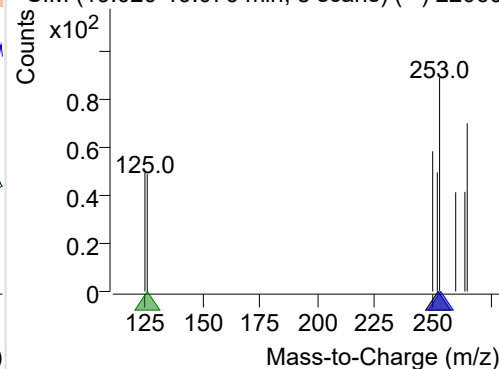
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-053.D

252.0, 253.0, 126.0

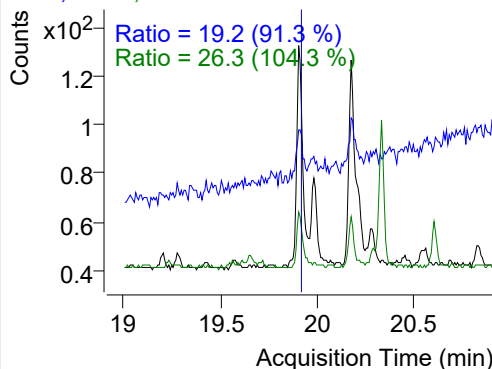
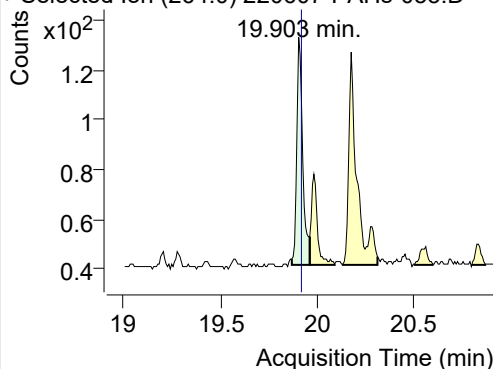


+ SIM (19.020-19.076 min, 8 scans) (**) 22060

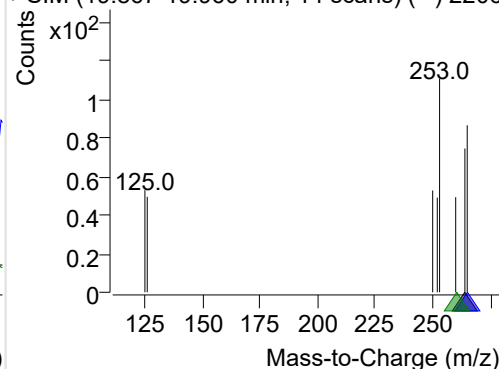
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-053.D

264.0, 265.0, 260.0

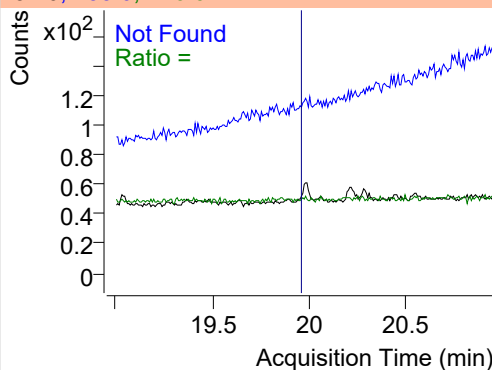
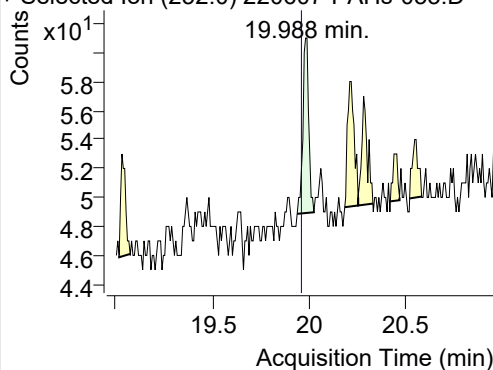


+ SIM (19.867-19.960 min, 14 scans) (**) 2206

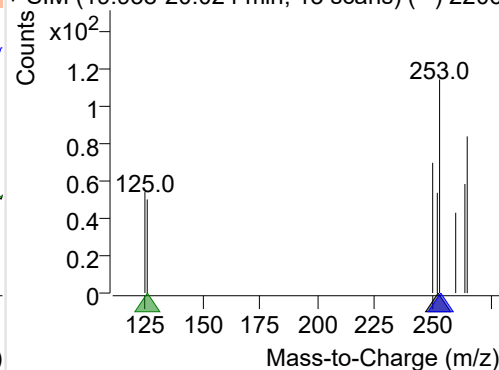
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-053.D

252.0, 253.0, 126.0

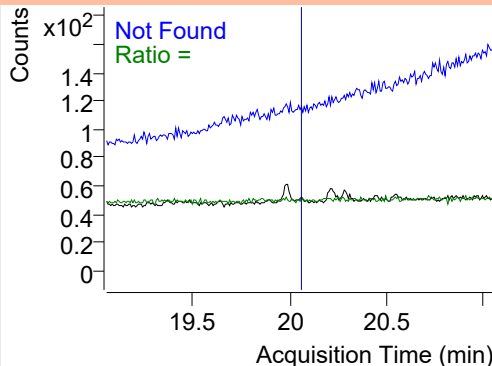
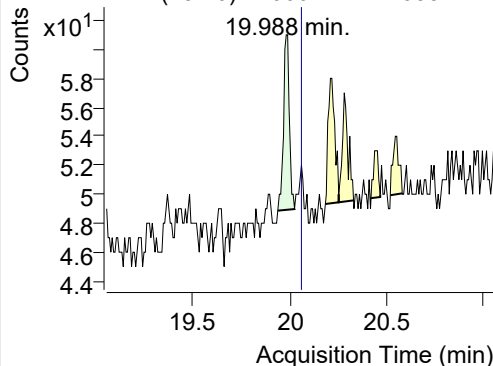


+ SIM (19.938-20.024 min, 13 scans) (**) 2206

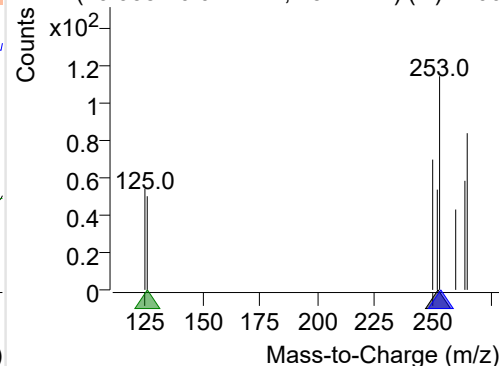
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-053.D

252.0, 253.0, 126.0



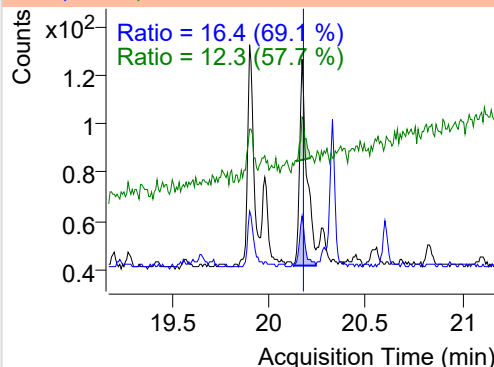
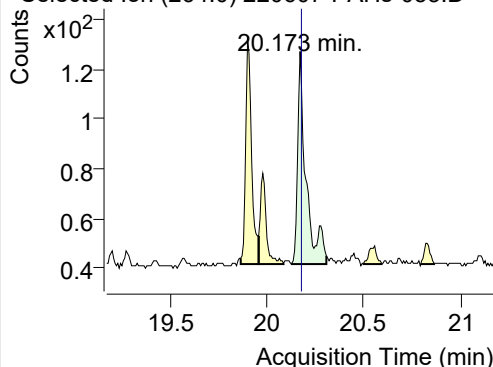
+ SIM (19.938-20.024 min, 13 scans) (**) 2206



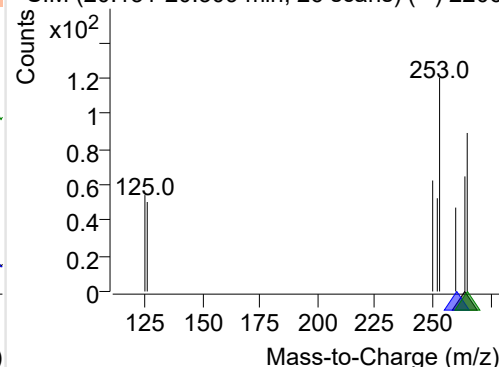
IS-D12-Perylene

+ Selected Ion (264.0) 220607-PAHs-053.D

264.0, 260.0, 265.0



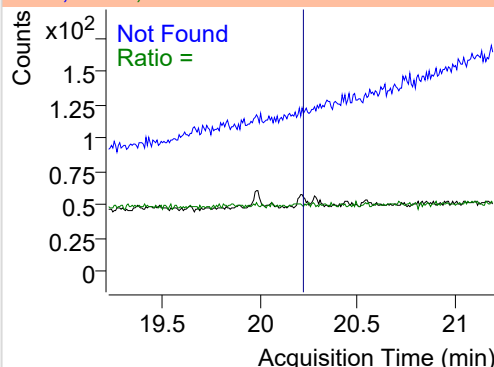
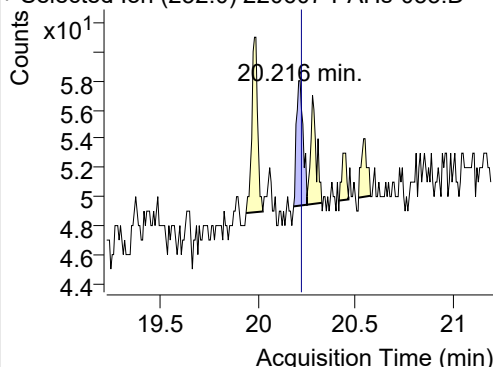
+ SIM (20.131-20.309 min, 26 scans) (**) 2206



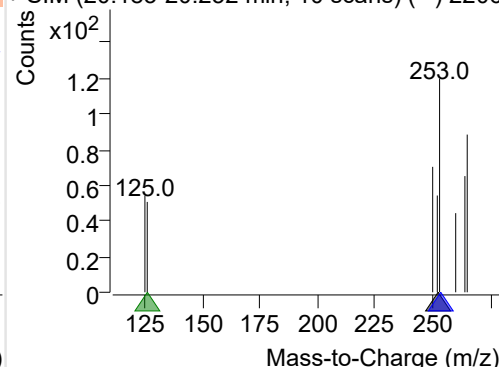
Perylene

+ Selected Ion (252.0) 220607-PAHs-053.D

252.0, 253.0, 126.0



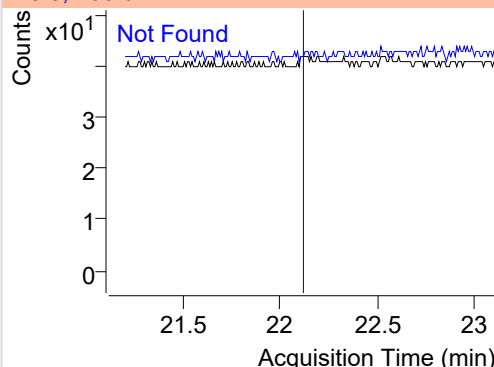
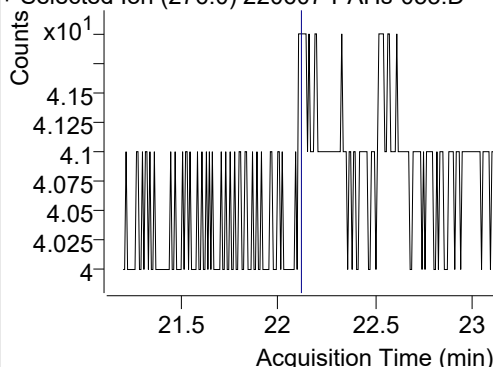
+ SIM (20.183-20.252 min, 10 scans) (**) 2206



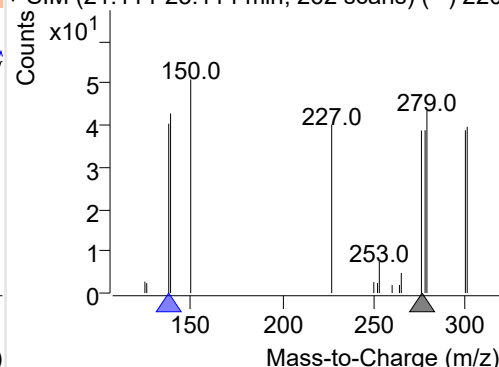
Indeno(1,2,3-c,d)pyrene

+ Selected Ion (276.0) 220607-PAHs-053.D

276.0, 138.0



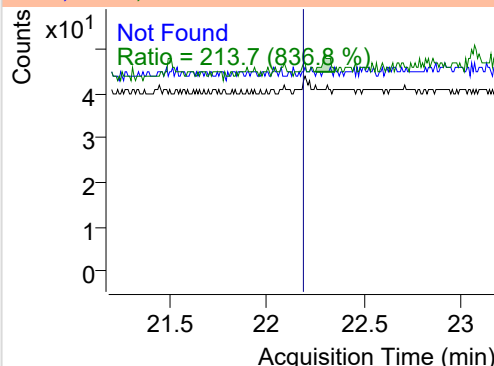
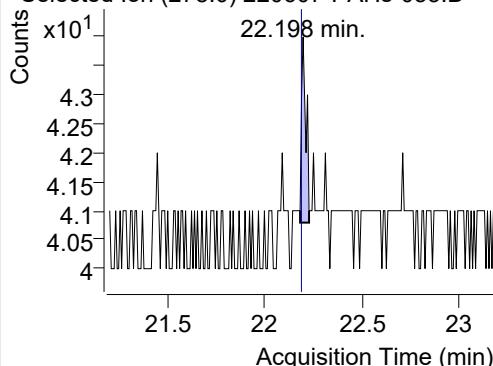
+ SIM (21.114-23.114 min, 262 scans) (**) 220



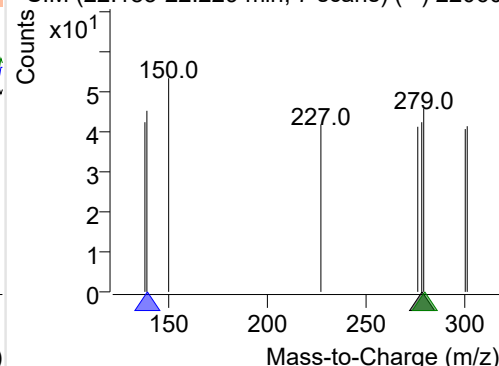
Dibenz(a,h)anthracene

+ Selected Ion (278.0) 220607-PAHs-053.D

278.0, 139.0, 279.0



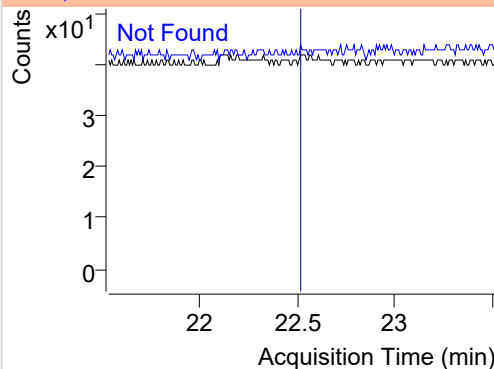
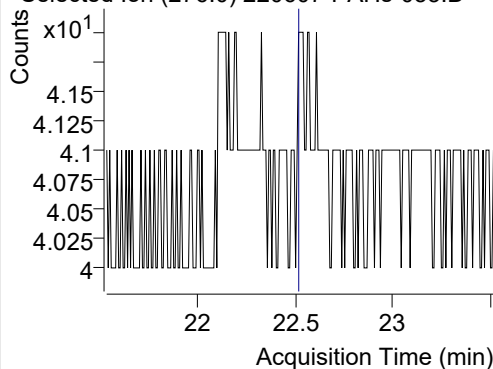
+ SIM (22.183-22.229 min, 7 scans) (**) 22060



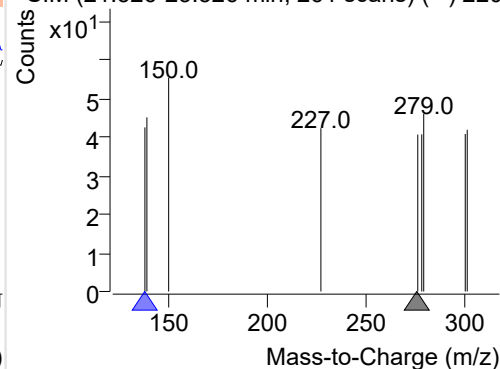
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-053.D

276.0, 138.0

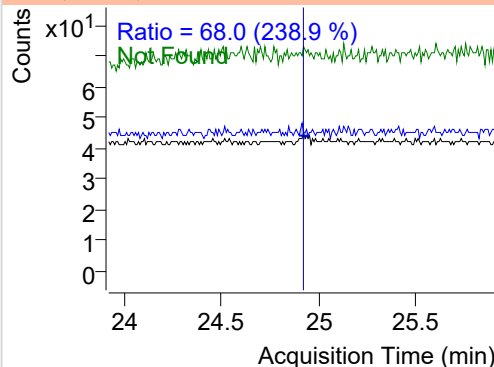
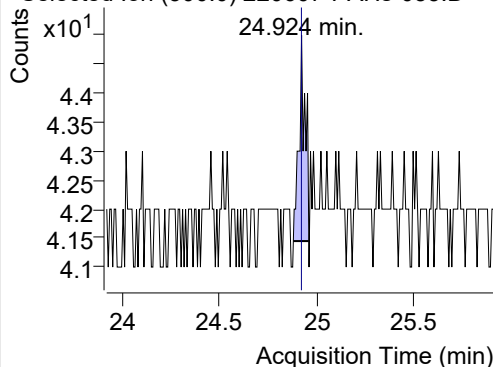


+ SIM (21.526-23.526 min, 261 scans) (**) 220

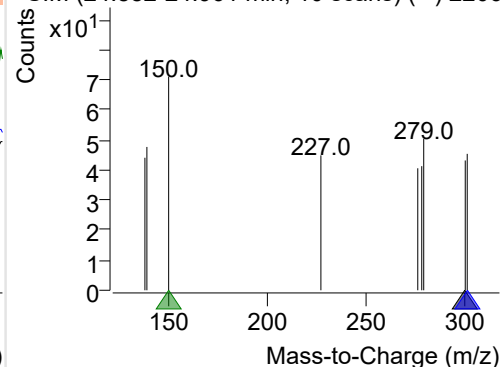
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-053.D

300.0, 301.0, 150.0



+ SIM (24.882-24.961 min, 10 scans) (**) 2206



Quantitative Analysis Sample Based Report

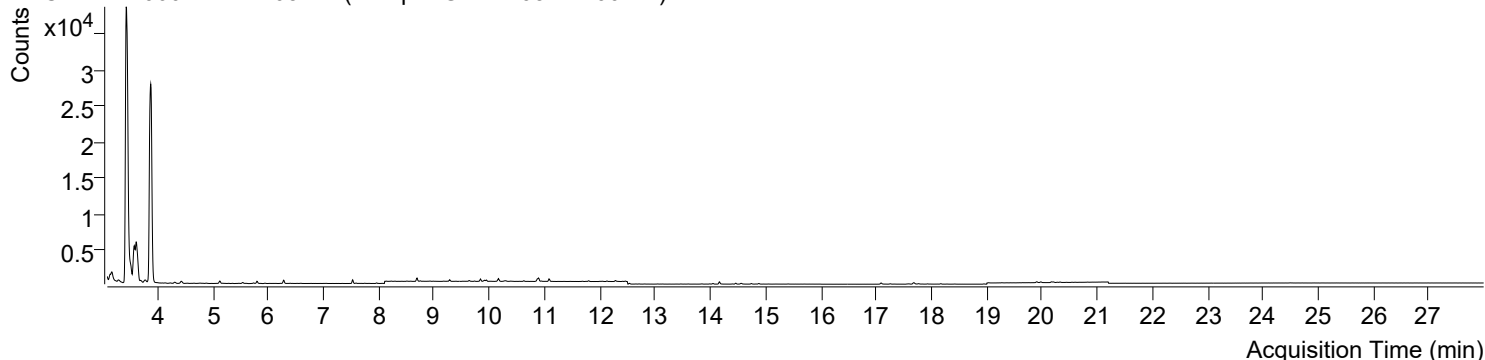


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오후 1:28:11	Data File	220607-PAHs-054.D
Type	Sample	Name	Sample-Gas-220511-100DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

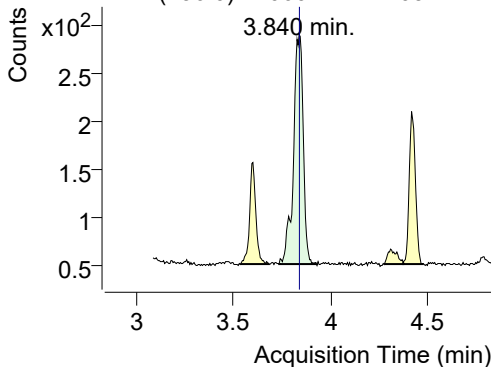
+ TIC SIM 220607-PAHs-054.D (Sample-Gas-220511-100DIL)



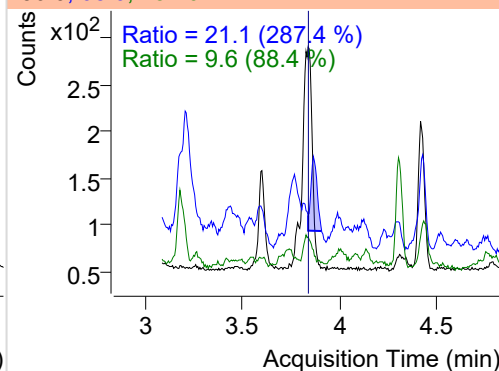
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.840	136.0	838	238.57	ND ng/ml	9.6
Naphthalene	3.872	128.0	67408	22031.72	ND ng/ml	13.2
Acenaphthylene	7.591	152.0	20	11.75	ND ng/ml	157.4
IS-D10-Acenaphthene	7.526	164.0	370	235.49	ND ng/ml	95.3
Acenaphthene	7.591	154.0	24	16.54	ND ng/ml	119.2
LSS-D10-Fluorene	8.694	176.0	348	210.30	ND ng/ml	92.7
Fluorene	8.757	166.0	52	27.89	ND ng/ml	165.5
IS-D10-Phenanthrene	10.889	188.0	604	358.60	ND ng/ml	15.0
Phenanthrene	10.942	178.0	41	21.42	ND ng/ml	24.1
Anthracene	11.078	178.0	156	90.79	ND ng/ml	29.5
Fluoranthene	13.596	202.0	7	5.82	ND ng/ml	169.0
LSS-D10-Pyrene	14.165	212.0	394	233.57	ND ng/ml	20.8
Pyrene	14.203	202.0	11	3.82	ND ng/ml	
Benz(a)anthracene	17.694	228.0	10	4.33	ND ng/ml	
IS-D12-Chrysene	17.092	240.0	260	120.86	ND ng/ml	17.8
Chrysene	17.694	228.0	10	4.33	ND ng/ml	
Benzo(b)fluoranthene	19.034	252.0	11	5.35	ND ng/ml	
Benzo(k)fluoranthene	19.034	252.0	11	5.35	ND ng/ml	
SS-D12-Benzo(e)pyrene	19.903	264.0	180	84.56	ND ng/ml	28.1
Benzo(e)pyrene	19.974	252.0	26	10.66	ND ng/ml	
Benzo(a)pyrene	19.974	252.0	26	10.66	ND ng/ml	
IS-D12-Perylene	20.173	264.0	195	70.56	ND ng/ml	18.8
Perylene	20.209	252.0	15	8.70	ND ng/ml	
Indeno(1,2,3-c,d)pytene		276.0			ND ng/ml	
Dibenz(a,h)anthracene	22.198	278.0	6	3.34	ND ng/ml	
Benzo(g,h,i)perylene		276.0			ND ng/ml	
Coronene	24.932	300.0	16	3.00	ND ng/ml	

IS-D8-Naphthalene

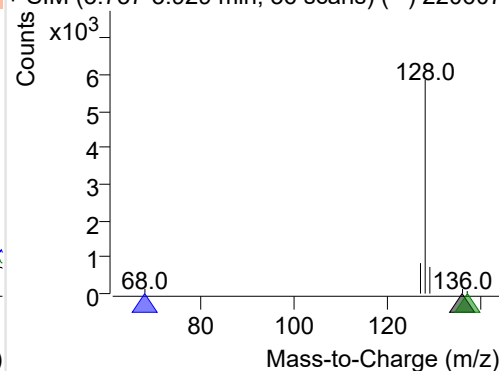
+ Selected Ion (136.0) 220607-PAHs-054.D



136.0, 68.0, 137.0

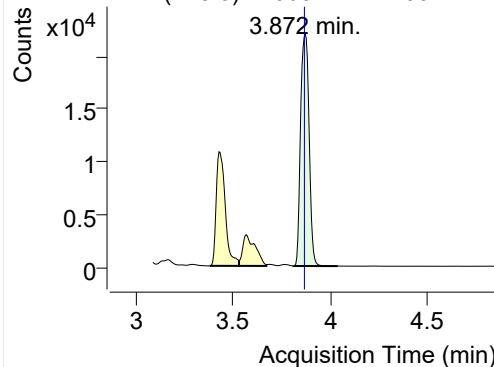


+ SIM (3.737-3.929 min, 36 scans) (**) 220607

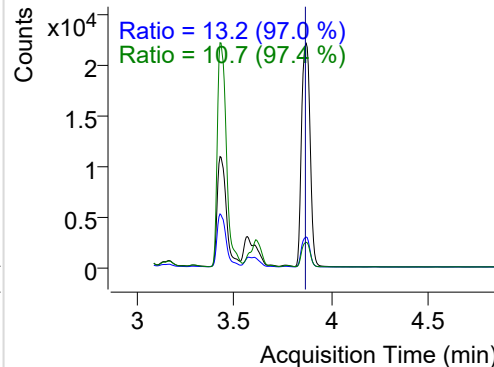


Naphthalene

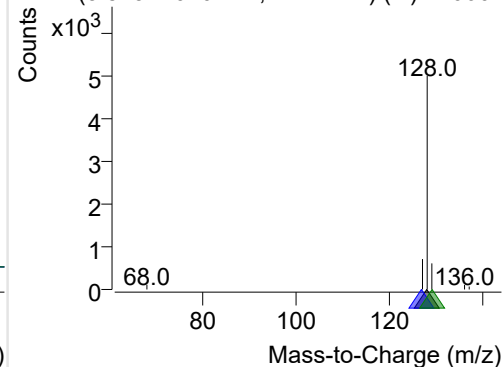
+ Selected Ion (128.0) 220607-PAHs-054.D



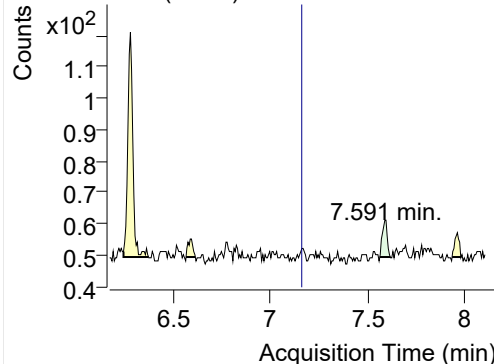
128.0, 127.0, 129.0



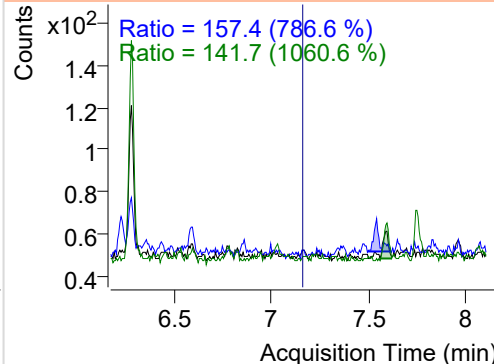
+ SIM (3.813-4.040 min, 42 scans) (**) 220607

**Acenaphthylene**

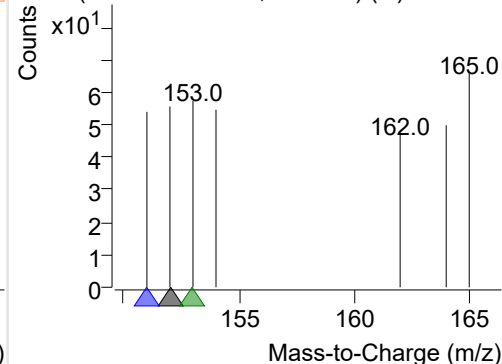
+ Selected Ion (152.0) 220607-PAHs-054.D



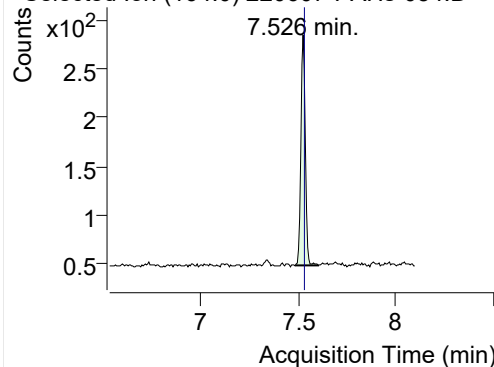
152.0, 151.0, 153.0



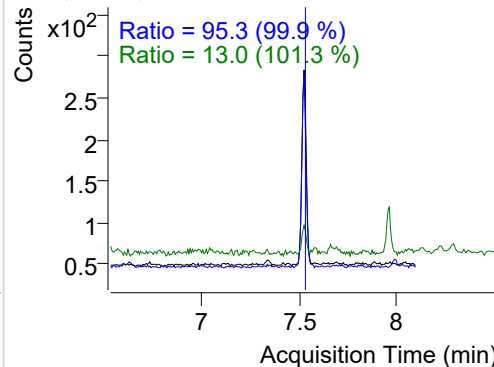
+ SIM (7.560-7.614 min, 9 scans) (**) 220607-I

**IS-D10-Acenaphthene**

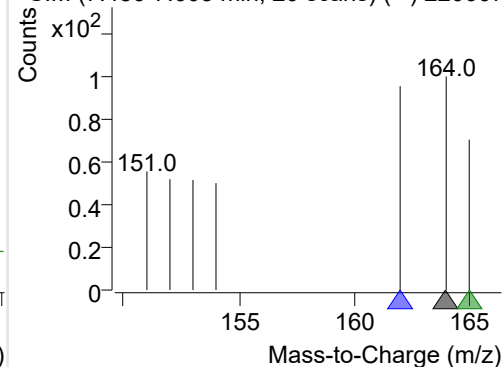
+ Selected Ion (164.0) 220607-PAHs-054.D



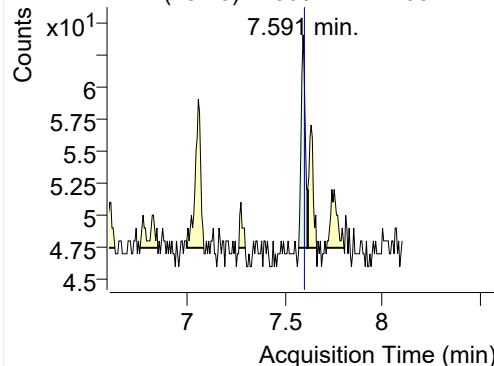
164.0, 162.0, 165.0



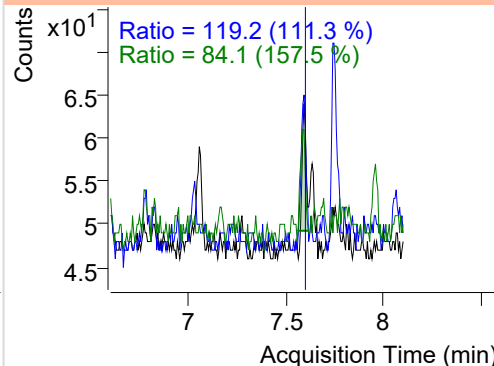
+ SIM (7.486-7.603 min, 20 scans) (**) 220607

**Acenaphthene**

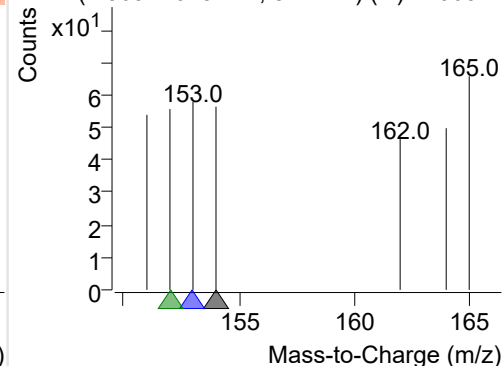
+ Selected Ion (154.0) 220607-PAHs-054.D



154.0, 153.0, 152.0

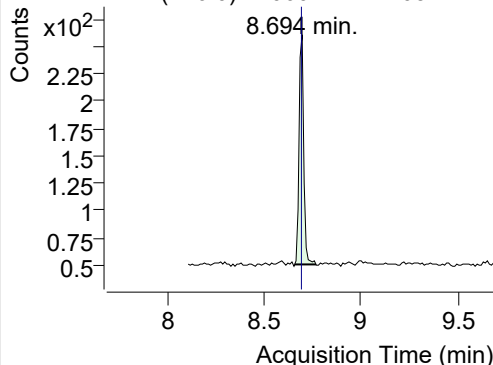


+ SIM (7.569-7.615 min, 8 scans) (**) 220607-I

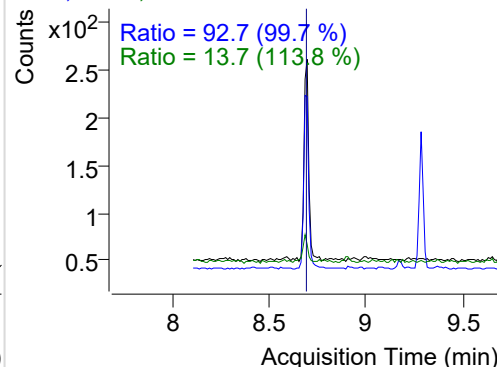


LSS-D10-Fluorene

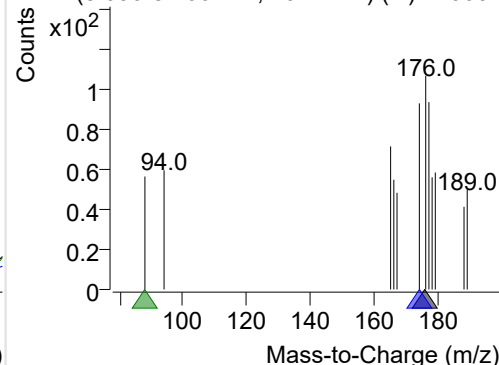
+ Selected Ion (176.0) 220607-PAHs-054.D



176.0, 174.0, 88.0

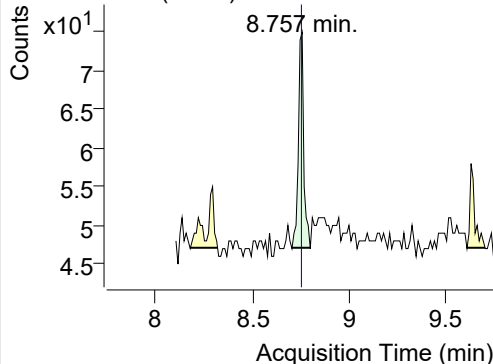


+ SIM (8.656-8.766 min, 10 scans) (**) 220607

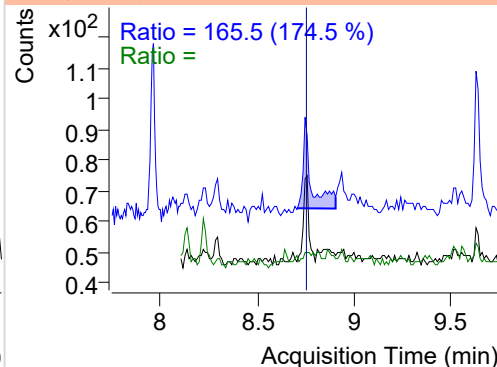


Fluorene

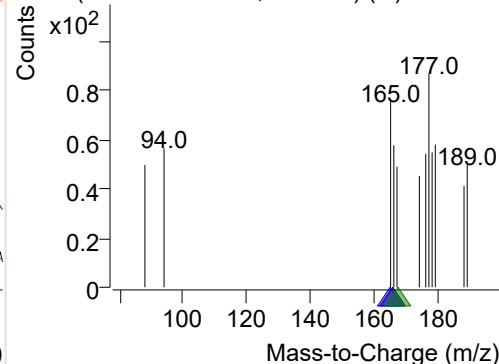
+ Selected Ion (166.0) 220607-PAHs-054.D



166.0, 165.0, 167.0

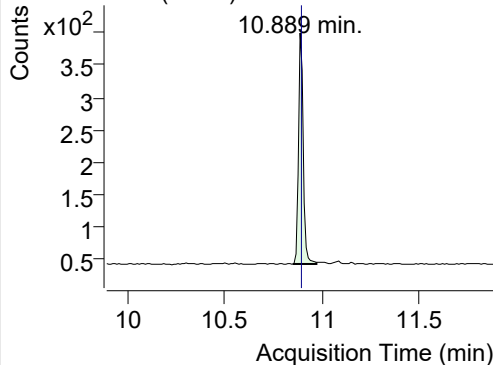


+ SIM (8.706-8.799 min, 8 scans) (**) 220607-I

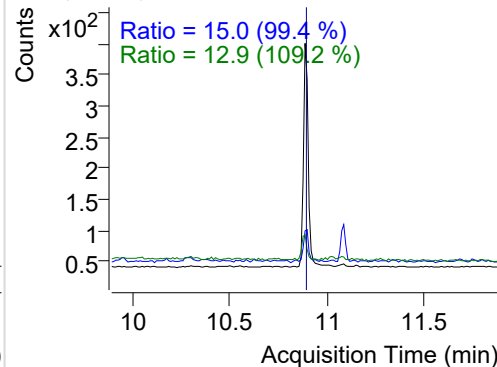


IS-D10-Phenanthrene

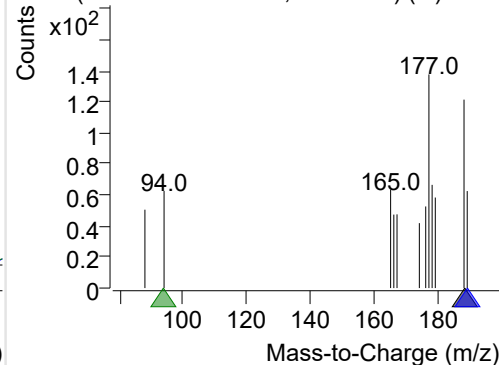
+ Selected Ion (188.0) 220607-PAHs-054.D



188.0, 189.0, 94.0

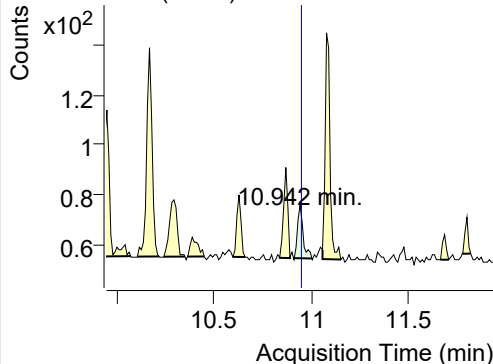


+ SIM (10.851-10.973 min, 12 scans) (**) 2206

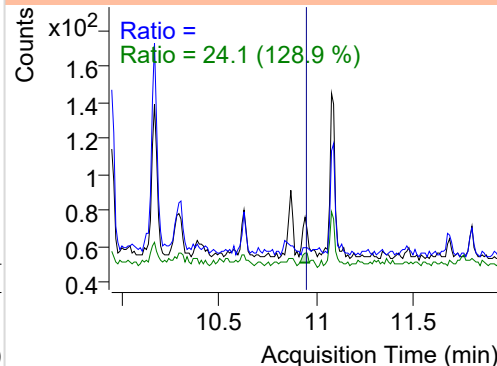


Phenanthrene

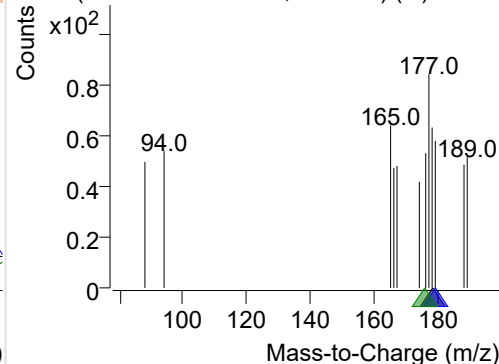
+ Selected Ion (178.0) 220607-PAHs-054.D



178.0, 179.0, 176.0

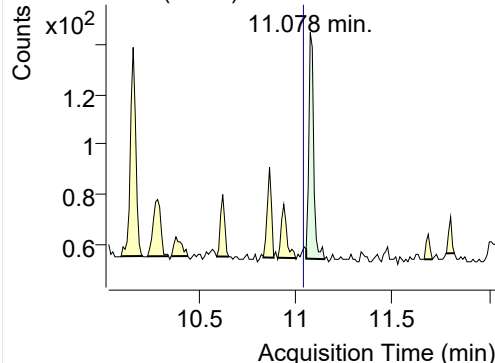


+ SIM (10.912-11.003 min, 8 scans) (**) 22060

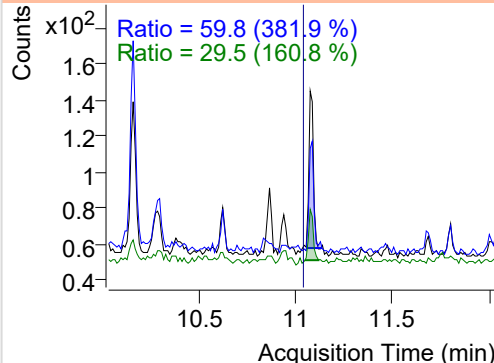


Anthracene

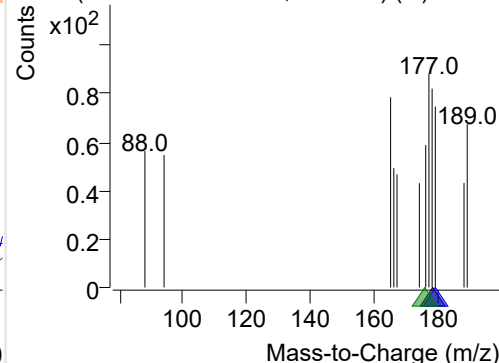
+ Selected Ion (178.0) 220607-PAHs-054.D



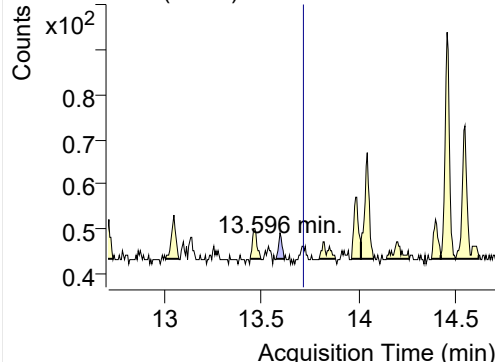
178.0, 179.0, 176.0



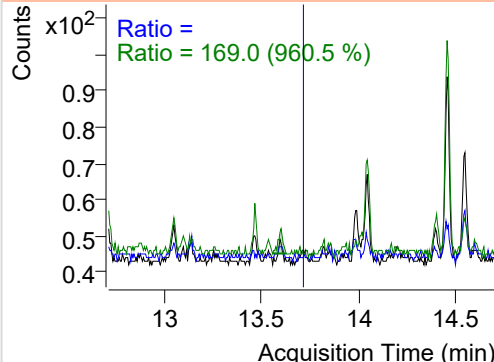
+ SIM (11.057-11.152 min, 9 scans) (**) 22060

**Fluoranthene**

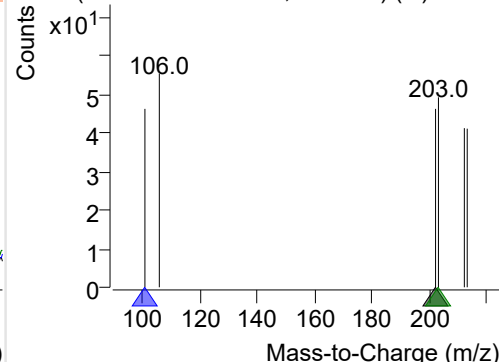
+ Selected Ion (202.0) 220607-PAHs-054.D



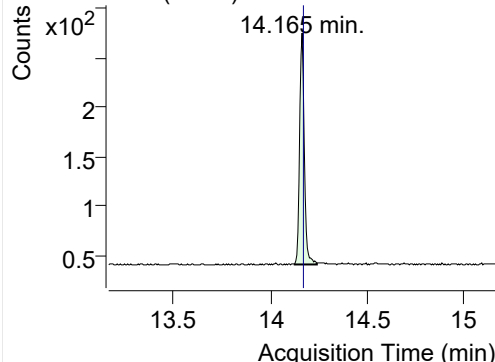
202.0, 101.0, 203.0



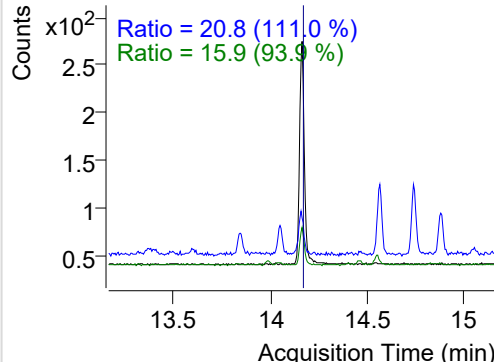
+ SIM (13.575-13.617 min, 7 scans) (**) 22060

**LSS-D10-Pyrene**

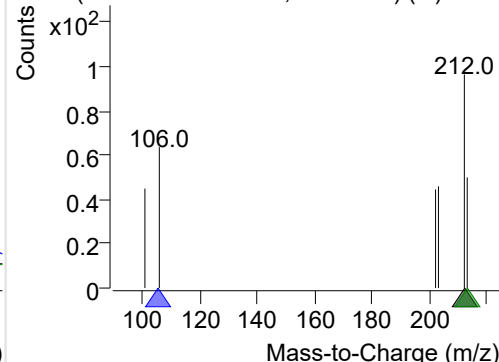
+ Selected Ion (212.0) 220607-PAHs-054.D



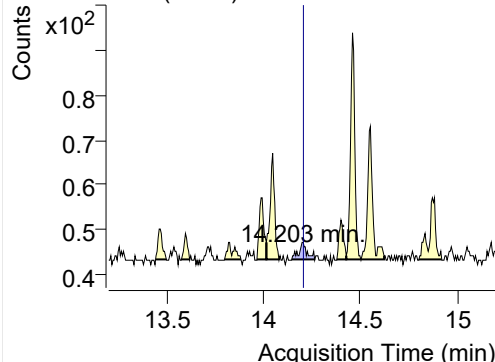
212.0, 106.0, 213.0



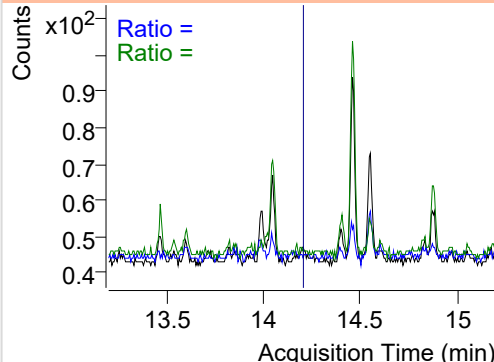
+ SIM (14.127-14.241 min, 22 scans) (**) 2206

**Pyrene**

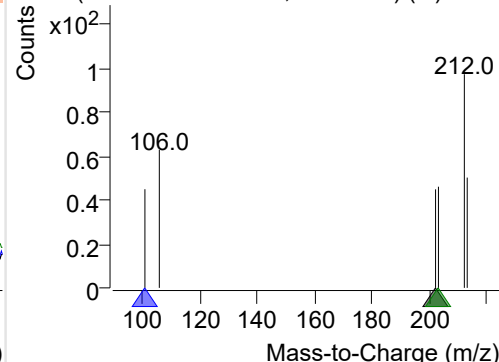
+ Selected Ion (202.0) 220607-PAHs-054.D

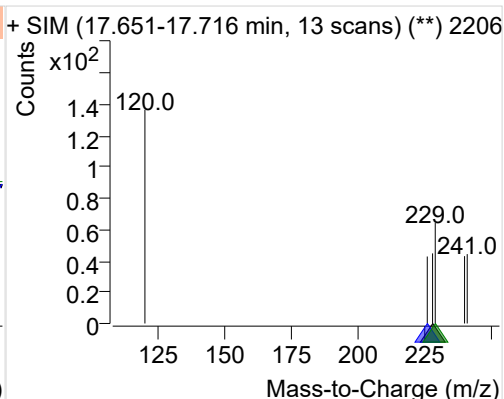
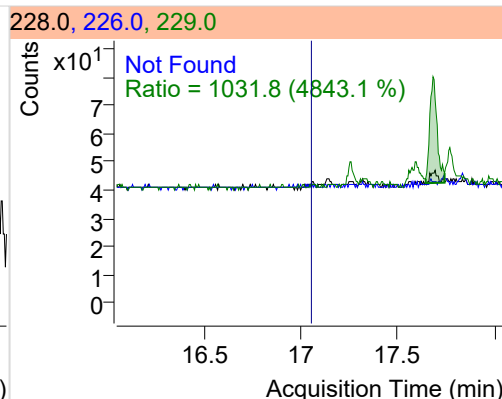
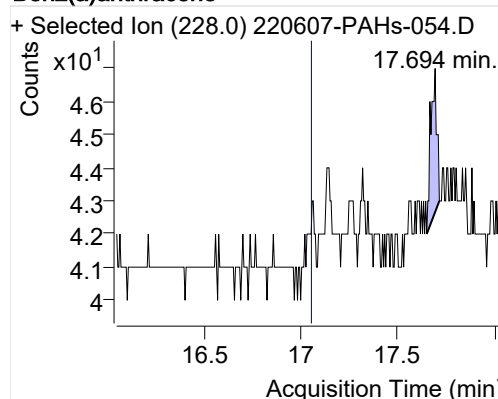
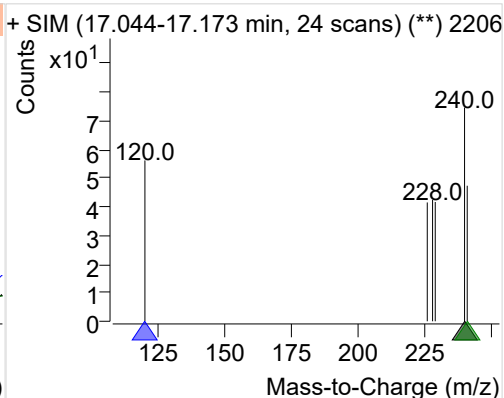
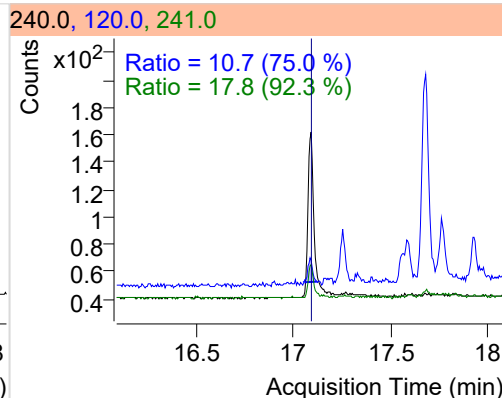
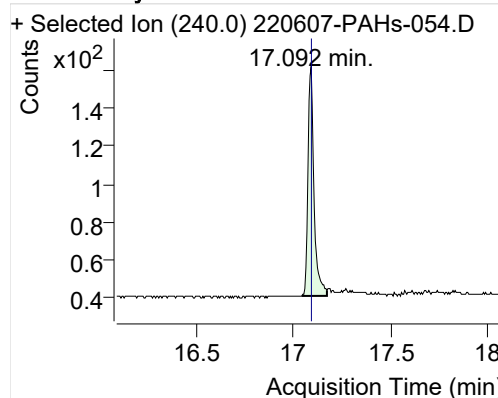
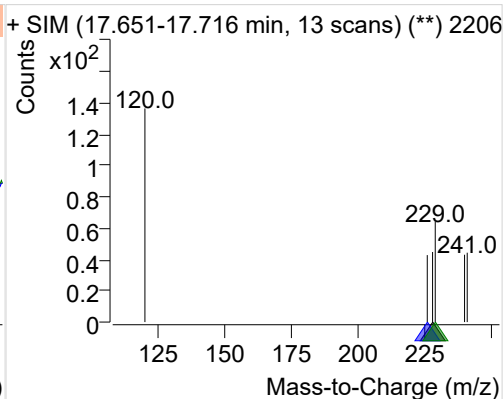
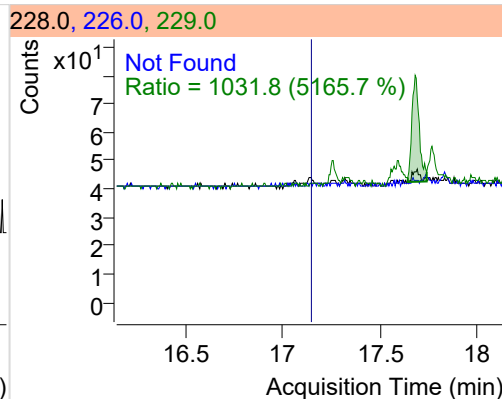
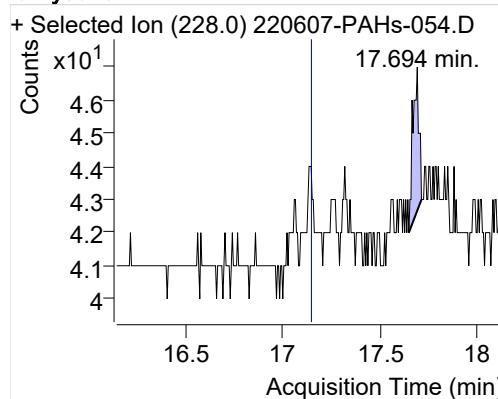
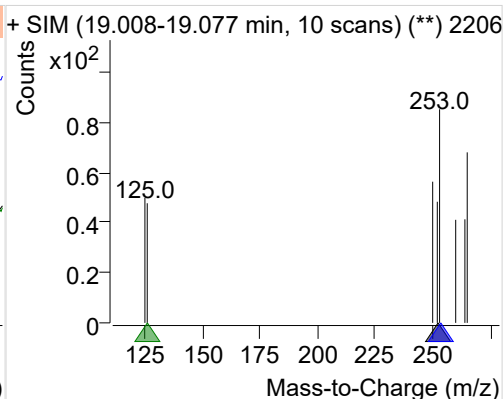
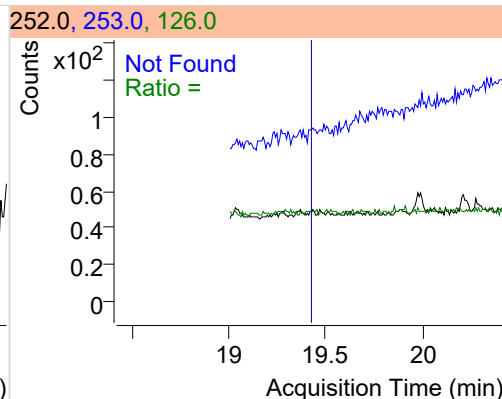
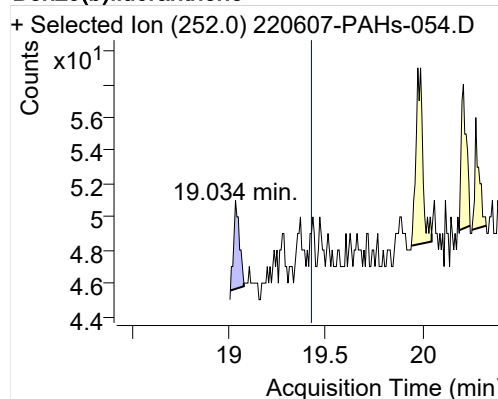


202.0, 101.0, 203.0



+ SIM (14.144-14.262 min, 21 scans) (**) 2206

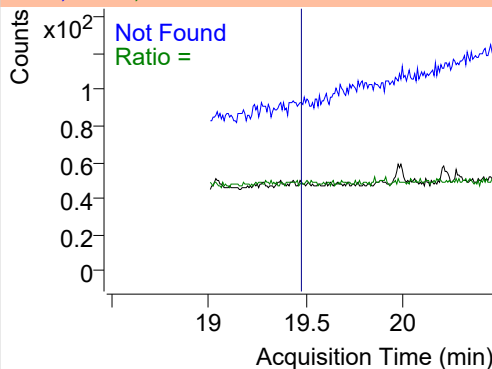
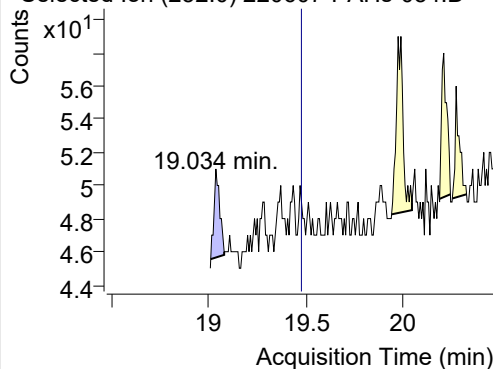


Benz(a)anthracene**IS-D12-Chrysene****Chrysene****Benzo(b)fluoranthene**

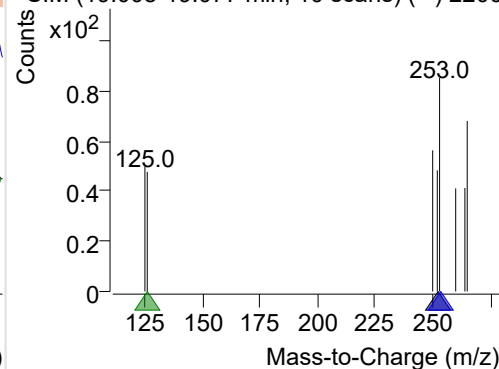
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-054.D

252.0, 253.0, 126.0

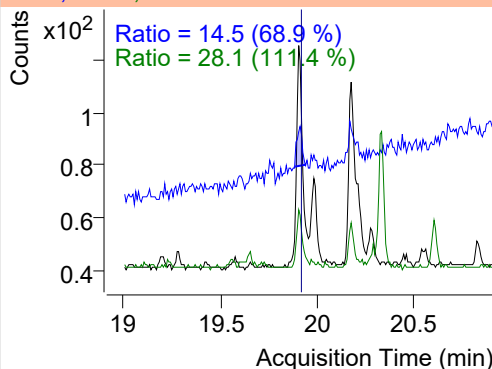
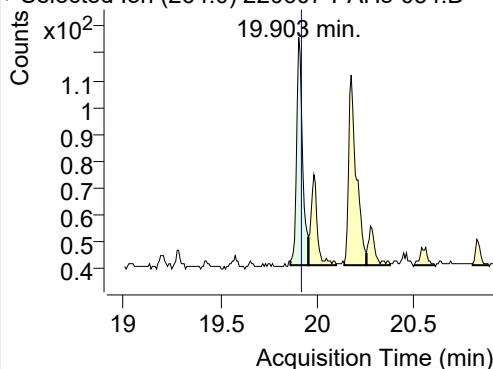


+ SIM (19.008-19.077 min, 10 scans) (**) 2206

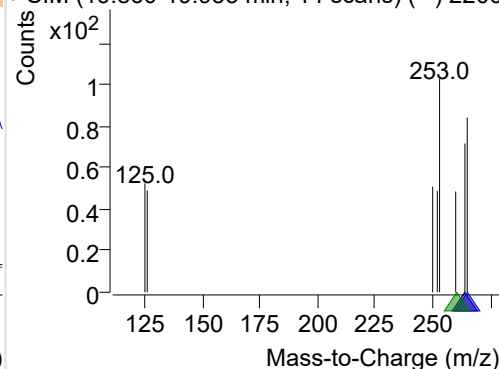
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-054.D

264.0, 265.0, 260.0

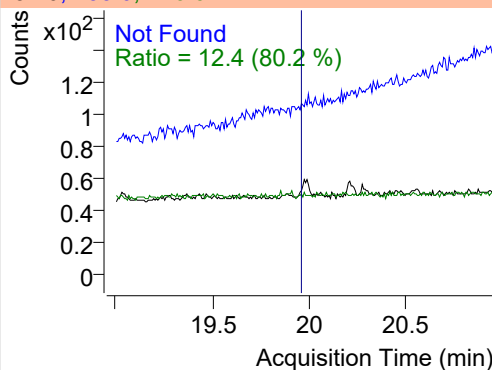
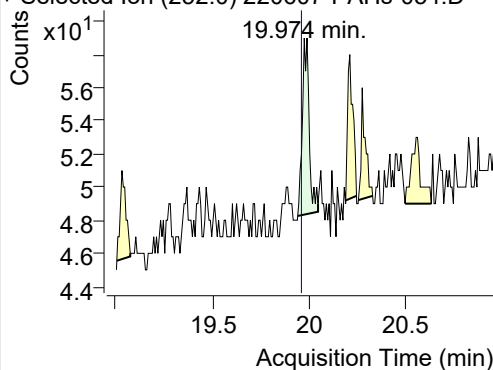


+ SIM (19.860-19.953 min, 14 scans) (**) 2206

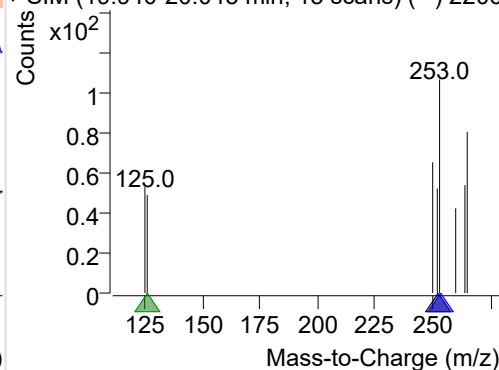
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-054.D

252.0, 253.0, 126.0

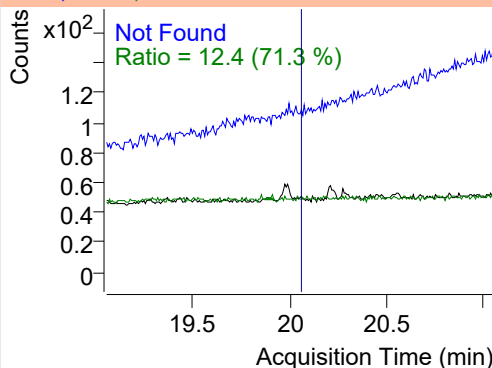
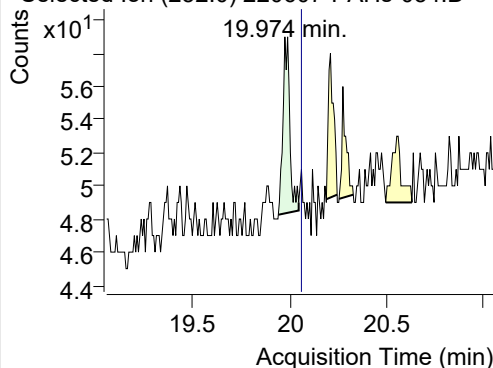


+ SIM (19.940-20.045 min, 15 scans) (**) 2206

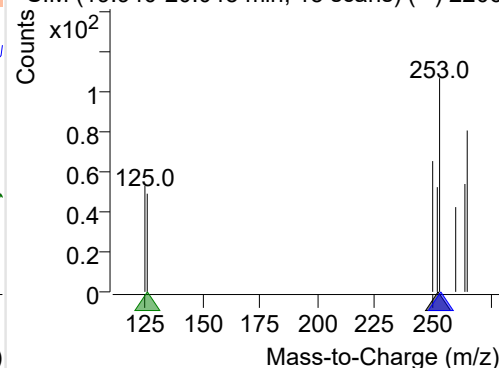
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-054.D

252.0, 253.0, 126.0



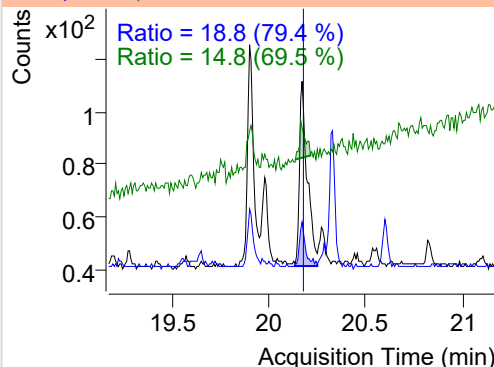
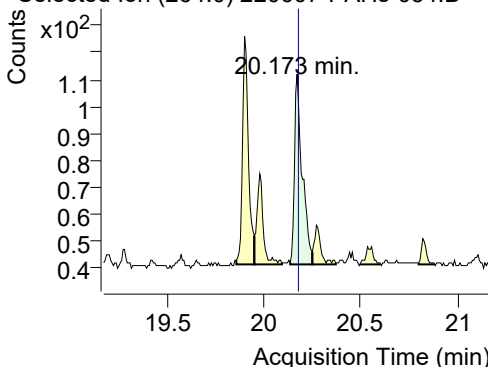
+ SIM (19.940-20.045 min, 15 scans) (**) 2206



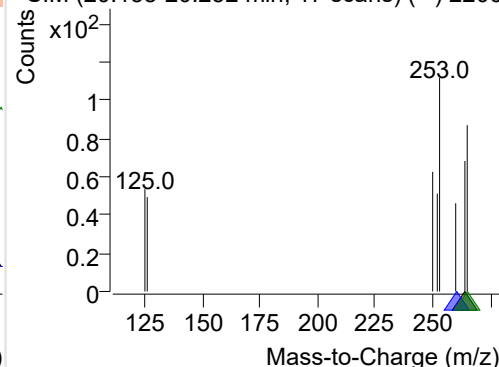
IS-D12-Perylene

+ Selected Ion (264.0) 220607-PAHs-054.D

264.0, 260.0, 265.0



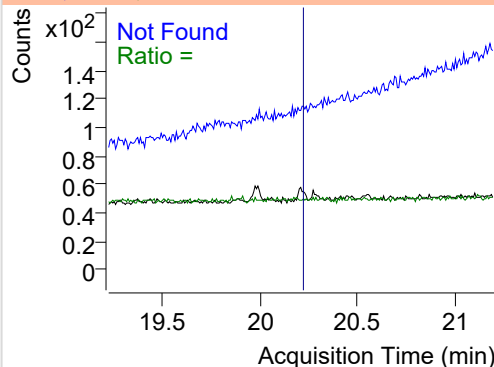
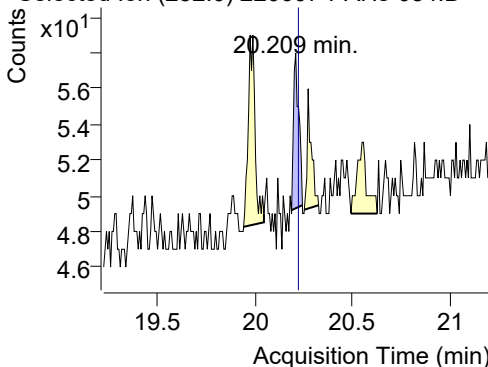
+ SIM (20.138-20.252 min, 17 scans) (**) 2206



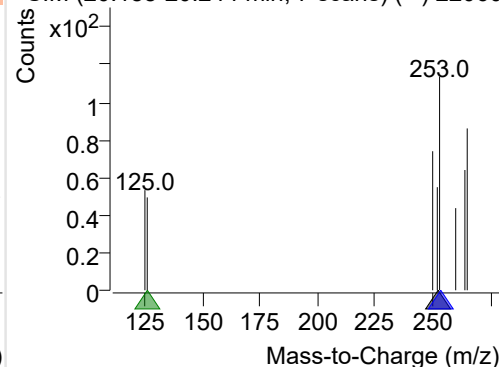
Perylene

+ Selected Ion (252.0) 220607-PAHs-054.D

252.0, 253.0, 126.0



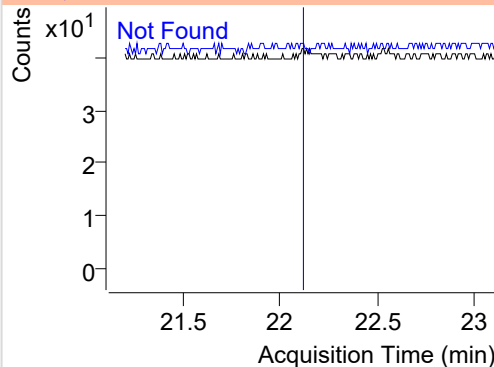
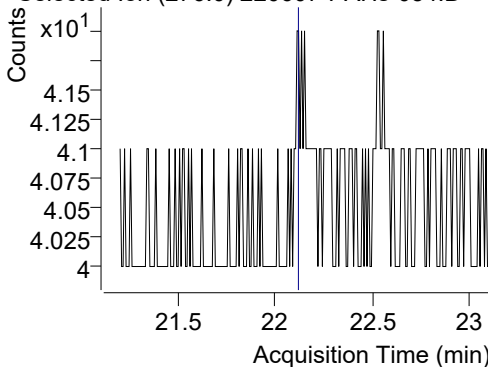
+ SIM (20.188-20.244 min, 7 scans) (**) 22060



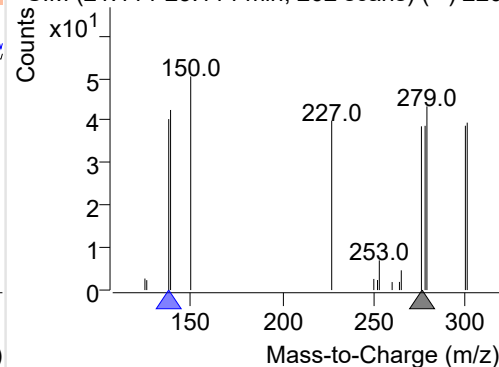
Indeno(1,2,3-c,d)pyrene

+ Selected Ion (276.0) 220607-PAHs-054.D

276.0, 138.0



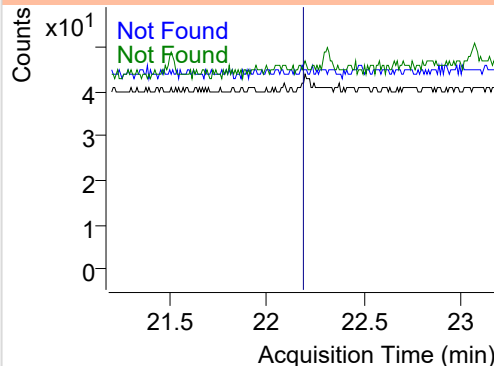
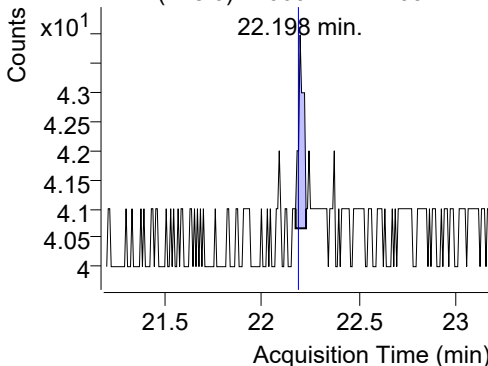
+ SIM (21.114-23.114 min, 262 scans) (**) 220



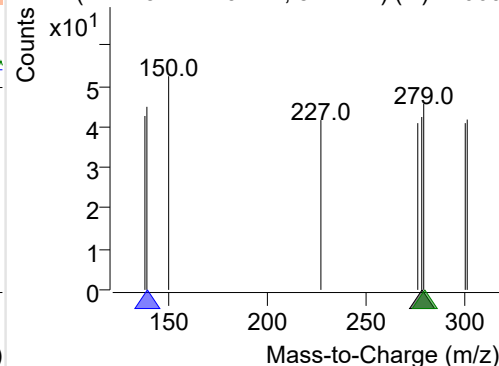
Dibenz(a,h)anthracene

+ Selected Ion (278.0) 220607-PAHs-054.D

278.0, 139.0, 279.0



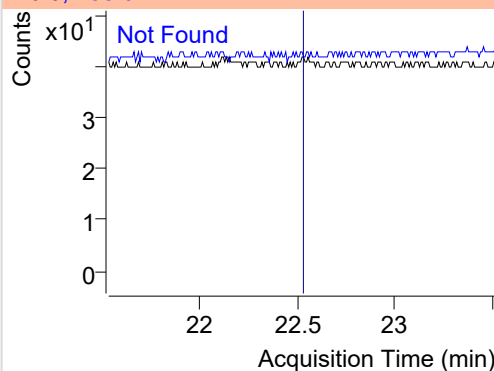
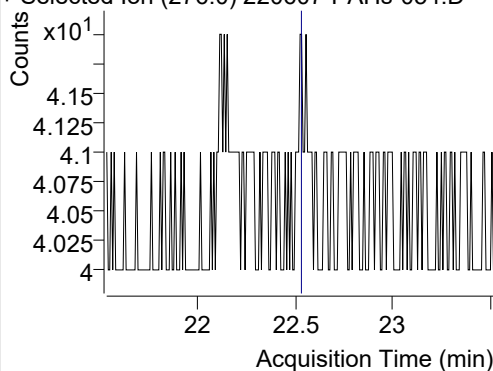
+ SIM (22.175-22.229 min, 8 scans) (**) 22060



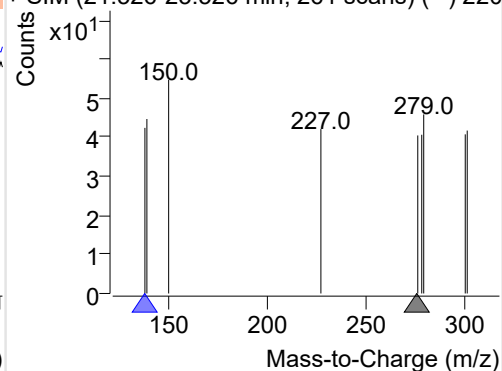
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-054.D

276.0, 138.0

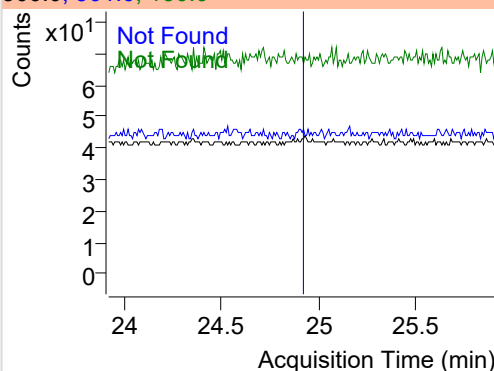
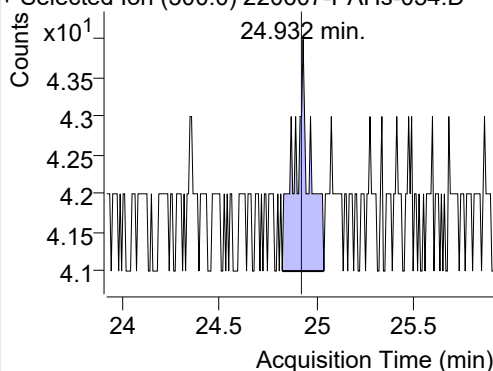


+ SIM (21.526-23.526 min, 261 scans) (**) 220

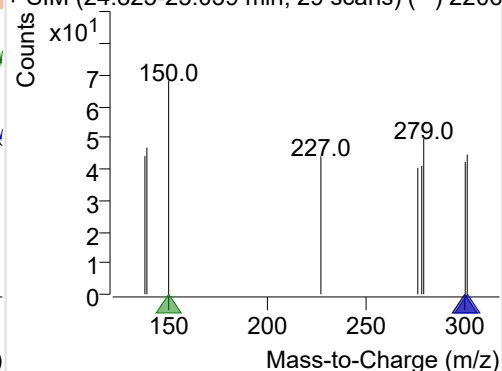
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-054.D

300.0, 301.0, 150.0



+ SIM (24.825-25.039 min, 29 scans) (**) 2206



Quantitative Analysis Sample Based Report

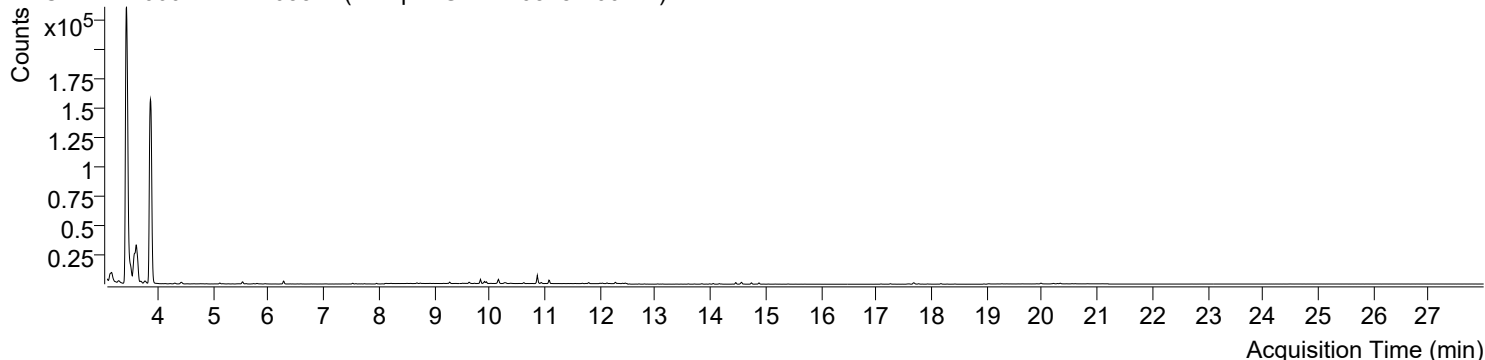


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오후 1:59:19	Data File	220607-PAHs-055.D
Type	Sample	Name	Sample-Gas-220518-100DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

+ TIC SIM 220607-PAHs-055.D (Sample-Gas-220518-100DIL)

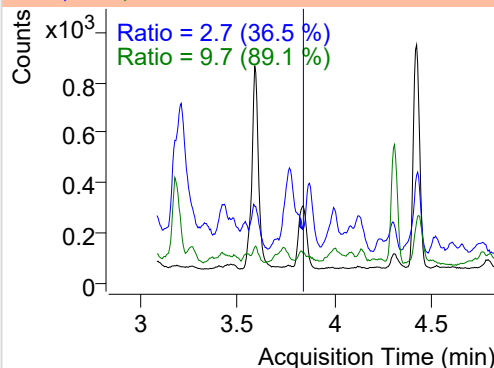
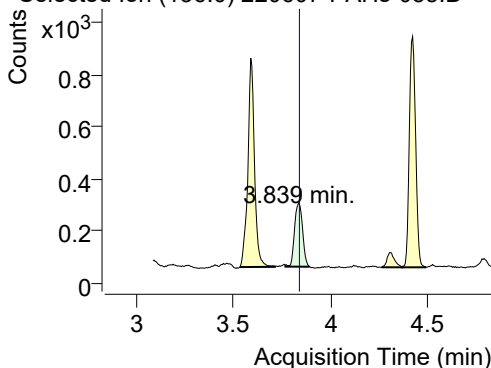


Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.839	136.0	705	246.24	ND ng/ml	9.7
Naphthalene	3.866	128.0	370846	126121.13	ND ng/ml	13.0
Acenaphthylene	6.774	152.0	34	23.06	ND ng/ml	75.8
IS-D10-Acenaphthene	7.526	164.0	390	253.91	ND ng/ml	103.3
Acenaphthene	7.591	154.0	105	65.29	ND ng/ml	125.4
LSS-D10-Fluorene	8.694	176.0	339	205.12	ND ng/ml	98.3
Fluorene	8.747	166.0	312	168.71	ND ng/ml	109.7
IS-D10-Phenanthrene	10.889	188.0	697	447.78	ND ng/ml	18.6
Phenanthrene	10.941	178.0	926	543.11	ND ng/ml	19.7
Anthracene	11.078	178.0	1285	746.11	ND ng/ml	28.7
Fluoranthene	13.715	202.0	197	110.35	ND ng/ml	
LSS-D10-Pyrene	14.165	212.0	445	264.88	ND ng/ml	33.4
Pyrene	14.197	202.0	175	90.39	ND ng/ml	33.0
Benz(a)anthracene	17.141	228.0	14	5.99	ND ng/ml	
IS-D12-Chrysene	17.086	240.0	320	143.83	ND ng/ml	16.5
Chrysene	17.141	228.0	14	5.99	ND ng/ml	
Benzo(b)fluoranthene	19.369	252.0	56	23.79	ND ng/ml	
Benzo(k)fluoranthene	19.369	252.0	56	23.79	ND ng/ml	
SS-D12-Benzo(e)pyrene	19.910	264.0	232	102.61	ND ng/ml	32.3
Benzo(e)pyrene	19.988	252.0	191	75.25	ND ng/ml	20.9
Benzo(a)pyrene	19.988	252.0	191	75.25	ND ng/ml	20.9
IS-D12-Perylene	20.209	264.0	437	122.67	ND ng/ml	
Perylene	20.216	252.0	114	44.03	ND ng/ml	
Indeno(1,2,3-c,d)pyrene		276.0			ND ng/ml	
Dibenz(a,h)anthracene	22.198	278.0	6	3.04	ND ng/ml	
Benzo(g,h,i)perylene		276.0			ND ng/ml	
Coronene		300.0			ND ng/ml	

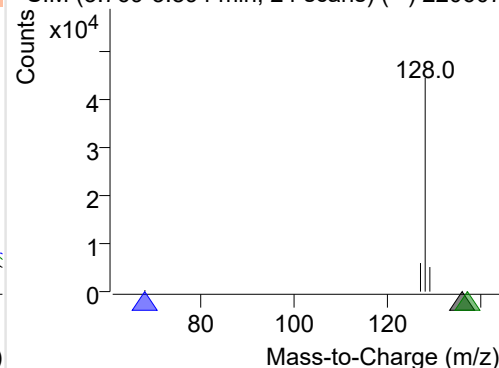
IS-D8-Naphthalene

+ Selected Ion (136.0) 220607-PAHs-055.D

136.0, 68.0, 137.0

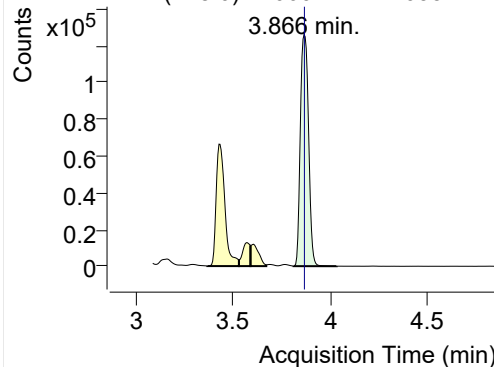


+ SIM (3.769-3.894 min, 24 scans) (**) 220607

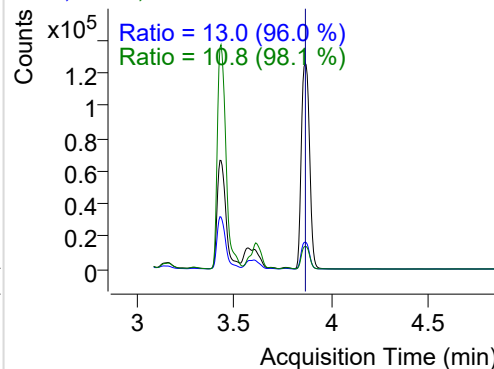


Naphthalene

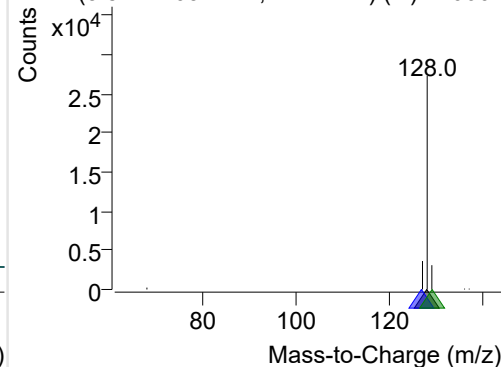
+ Selected Ion (128.0) 220607-PAHs-055.D



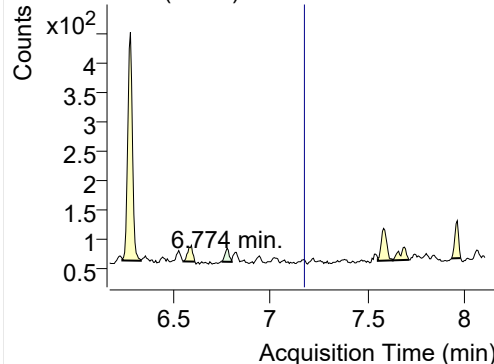
128.0, 127.0, 129.0



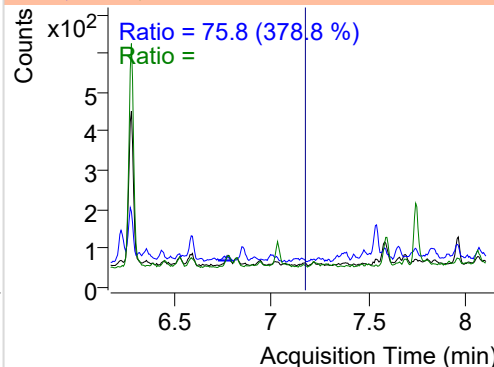
+ SIM (3.812-4.034 min, 42 scans) (**) 220607

**Acenaphthylene**

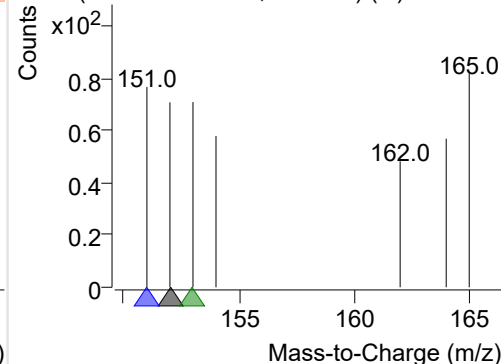
+ Selected Ion (152.0) 220607-PAHs-055.D



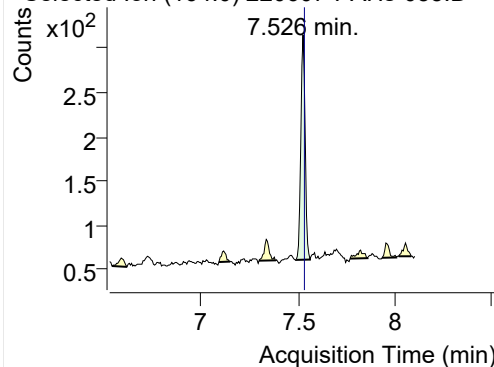
152.0, 151.0, 153.0



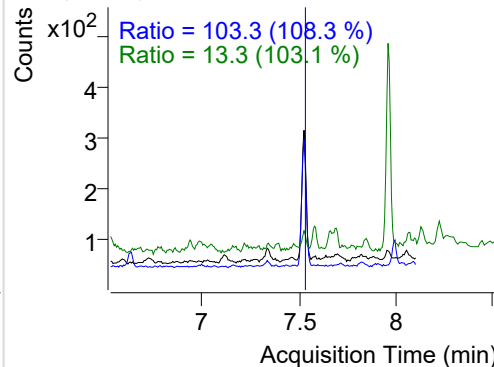
+ SIM (6.751-6.798 min, 9 scans) (**) 220607-I

**IS-D10-Acenaphthene**

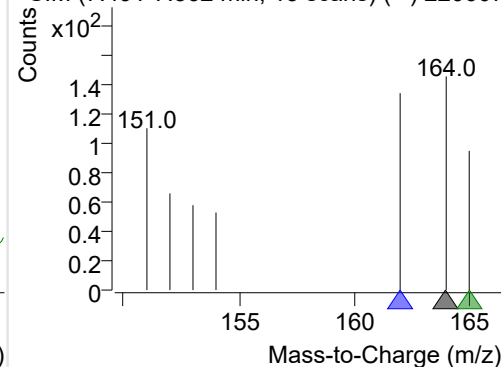
+ Selected Ion (164.0) 220607-PAHs-055.D



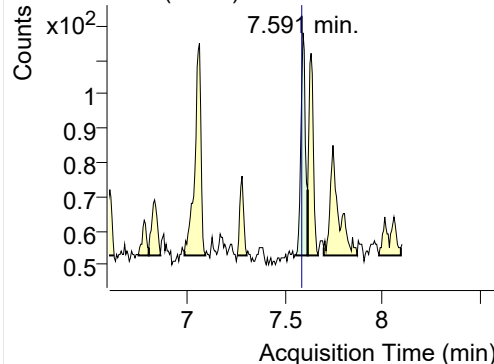
164.0, 162.0, 165.0



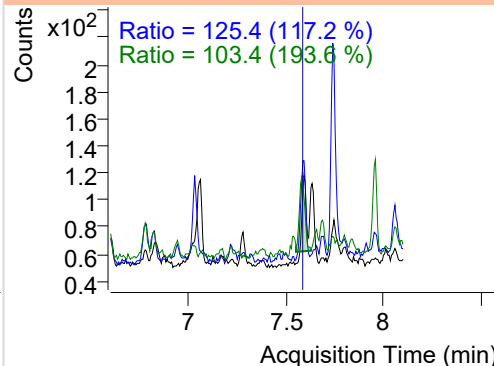
+ SIM (7.491-7.562 min, 13 scans) (**) 220607

**Acenaphthene**

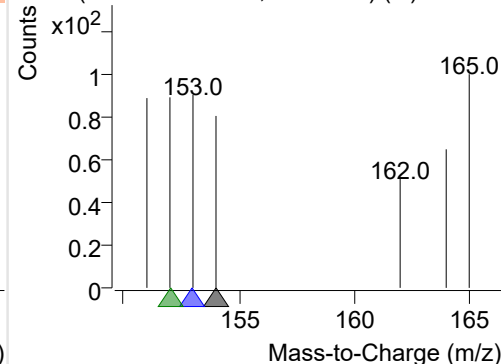
+ Selected Ion (154.0) 220607-PAHs-055.D



154.0, 153.0, 152.0

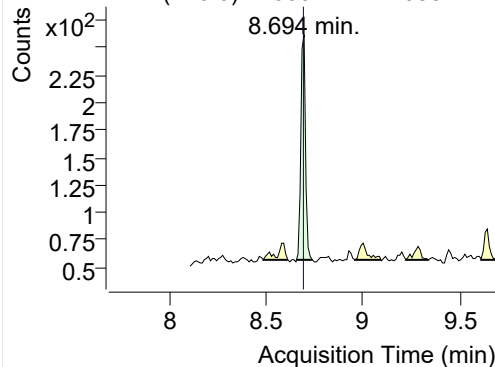


+ SIM (7.556-7.615 min, 11 scans) (**) 220607

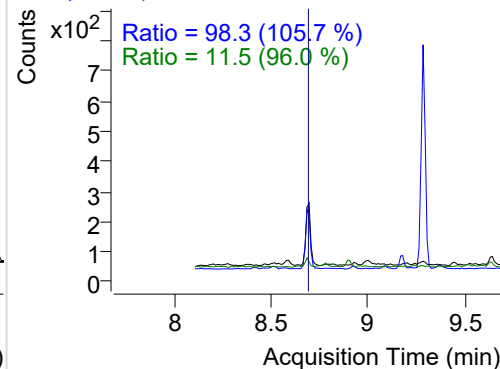


LSS-D10-Fluorene

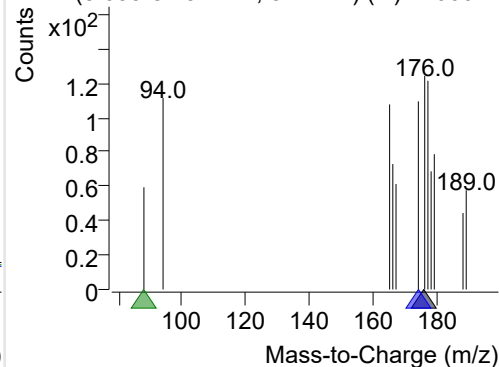
+ Selected Ion (176.0) 220607-PAHs-055.D



176.0, 174.0, 88.0

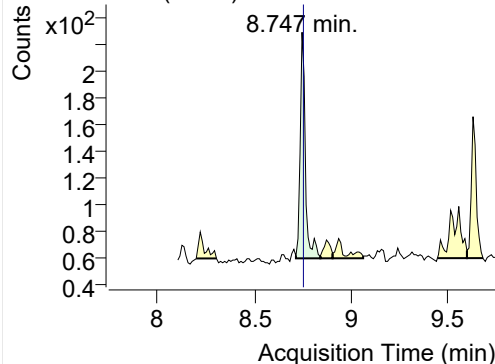


+ SIM (8.655-8.737 min, 8 scans) (**) 220607-I

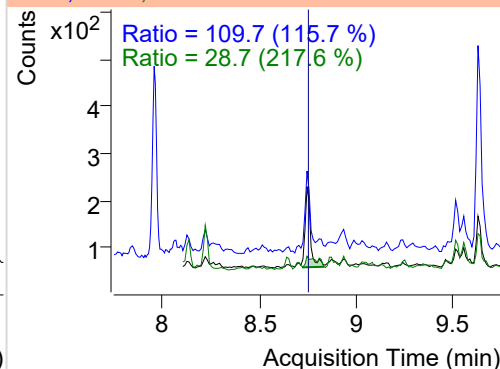


Fluorene

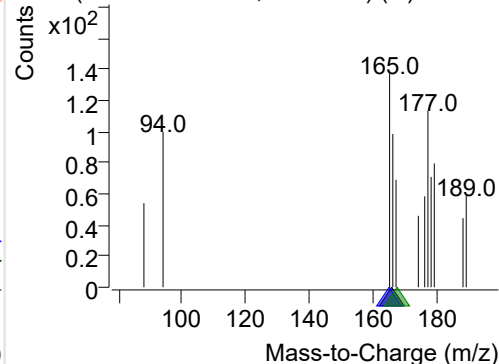
+ Selected Ion (166.0) 220607-PAHs-055.D



166.0, 165.0, 167.0

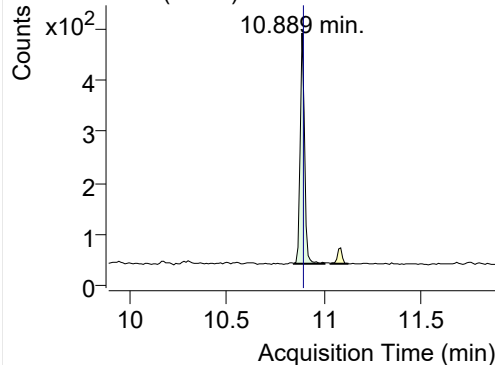


+ SIM (8.715-8.841 min, 13 scans) (**) 220607

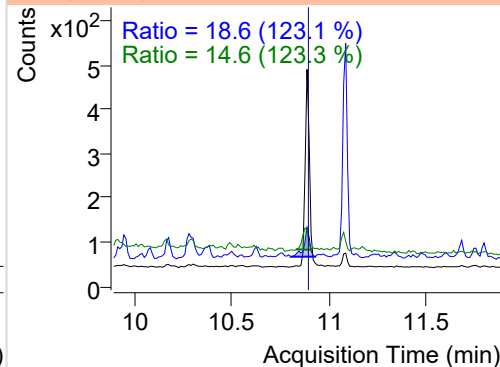


IS-D10-Phenanthrene

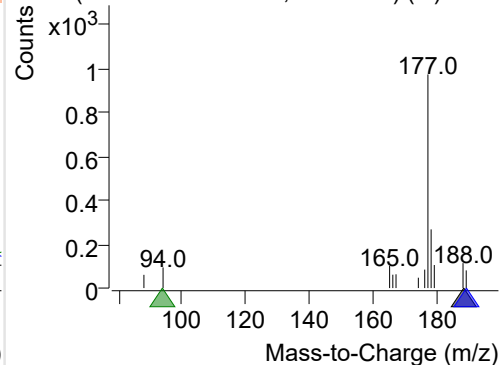
+ Selected Ion (188.0) 220607-PAHs-055.D



188.0, 189.0, 94.0

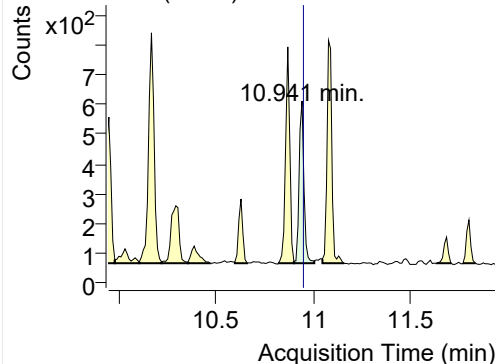


+ SIM (10.847-11.004 min, 16 scans) (**) 2206

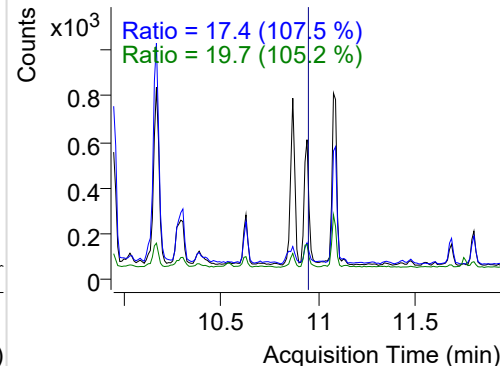


Phenanthrene

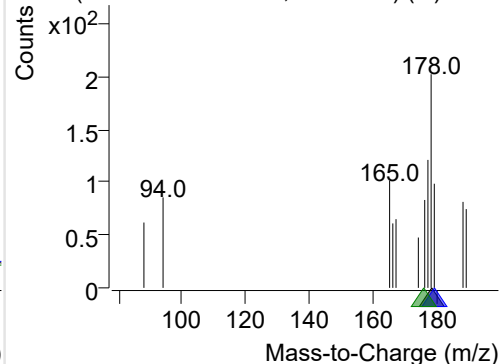
+ Selected Ion (178.0) 220607-PAHs-055.D



178.0, 179.0, 176.0

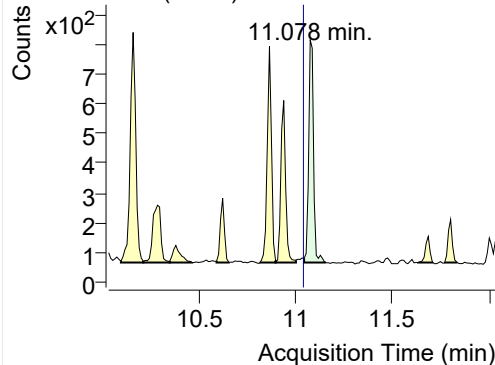


+ SIM (10.899-11.004 min, 11 scans) (**) 2206

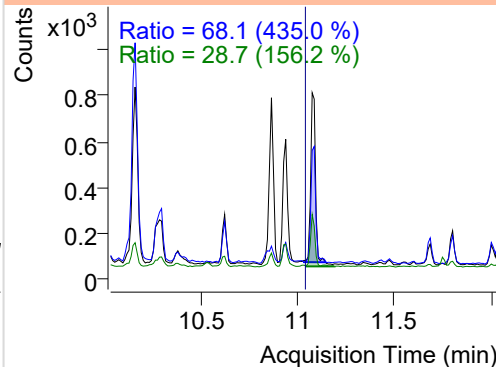


Anthracene

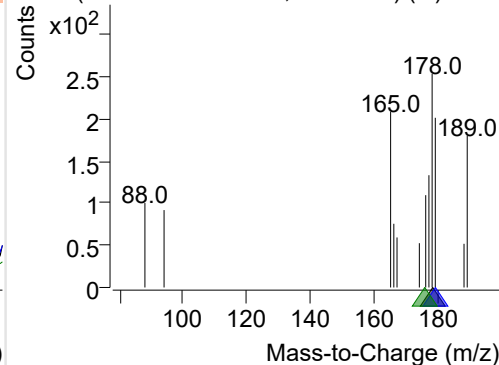
+ Selected Ion (178.0) 220607-PAHs-055.D



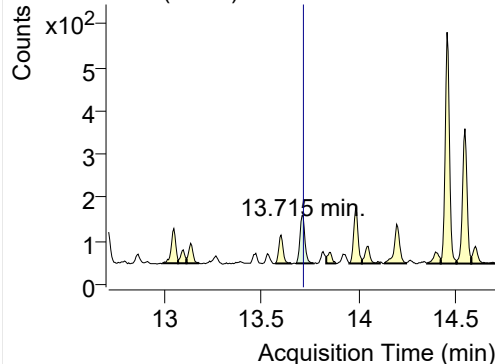
178.0, 179.0, 176.0



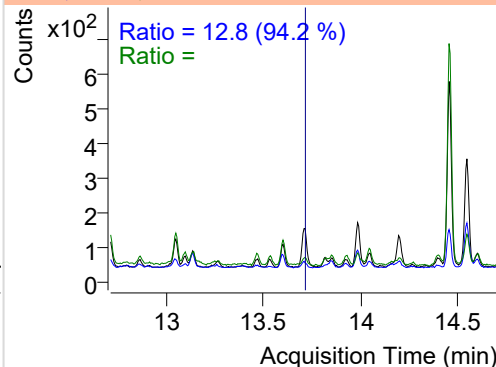
+ SIM (11.046-11.159 min, 11 scans) (**) 2206

**Fluoranthene**

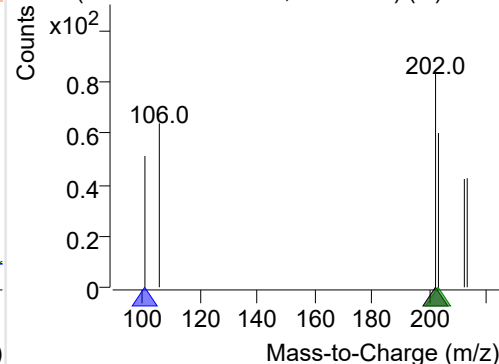
+ Selected Ion (202.0) 220607-PAHs-055.D



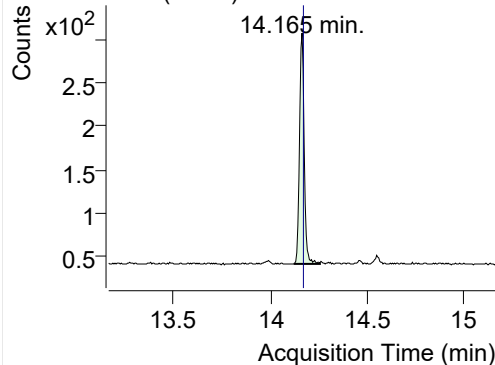
202.0, 101.0, 203.0



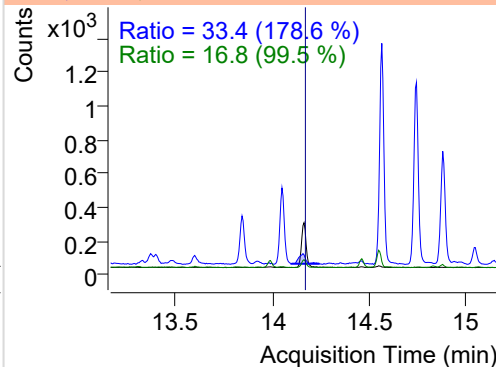
+ SIM (13.678-13.769 min, 17 scans) (**) 2206

**LSS-D10-Pyrene**

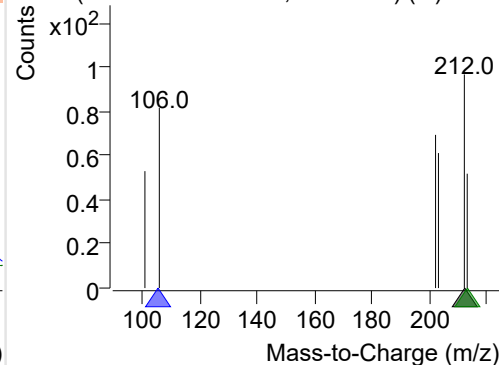
+ Selected Ion (212.0) 220607-PAHs-055.D



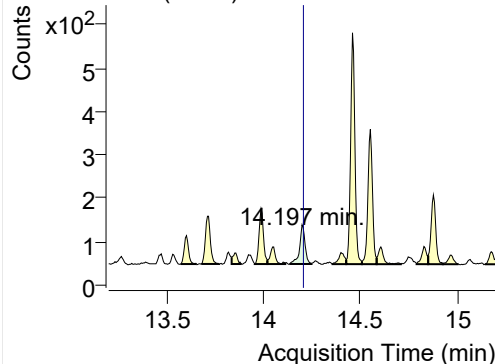
212.0, 106.0, 213.0



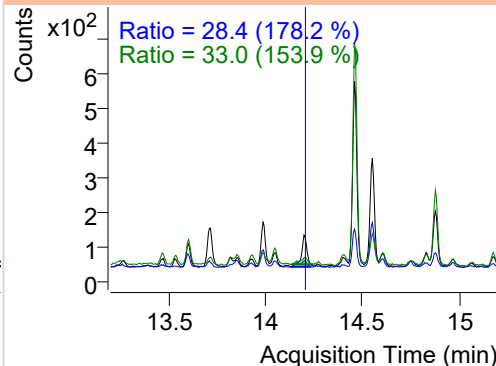
+ SIM (14.122-14.257 min, 25 scans) (**) 2206

**Pyrene**

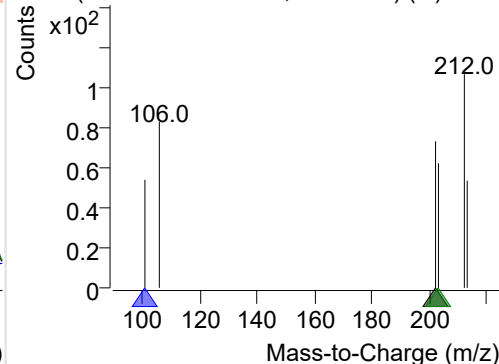
+ Selected Ion (202.0) 220607-PAHs-055.D



202.0, 101.0, 203.0



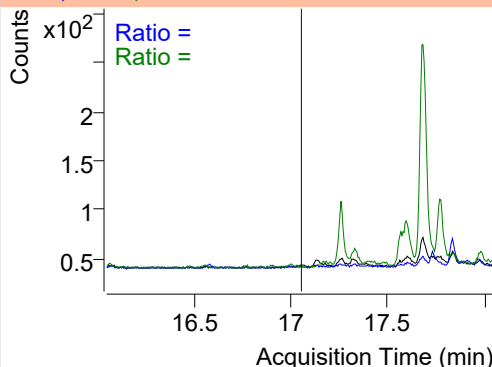
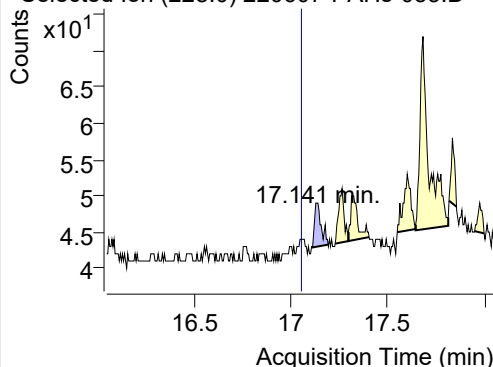
+ SIM (14.138-14.246 min, 21 scans) (**) 2206



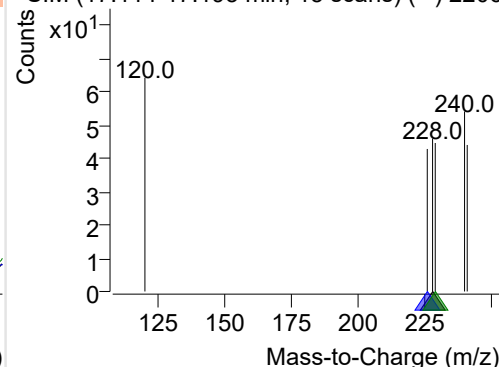
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-055.D

228.0, 226.0, 229.0

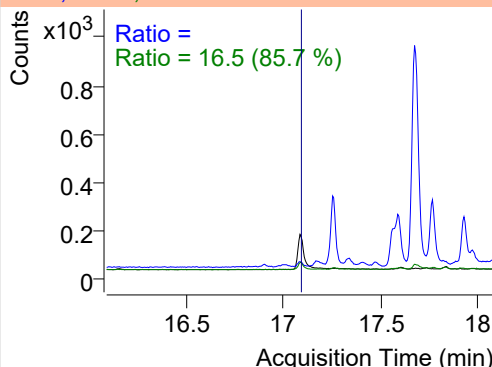
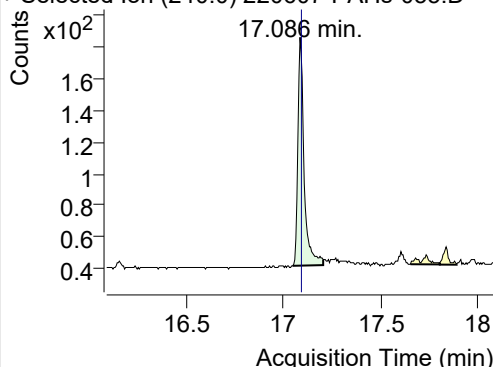


+ SIM (17.114-17.193 min, 15 scans) (**) 2206

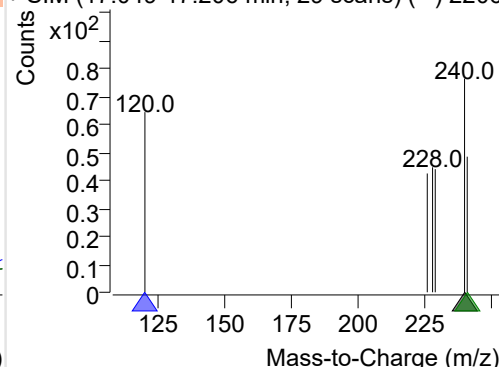
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-055.D

240.0, 120.0, 241.0

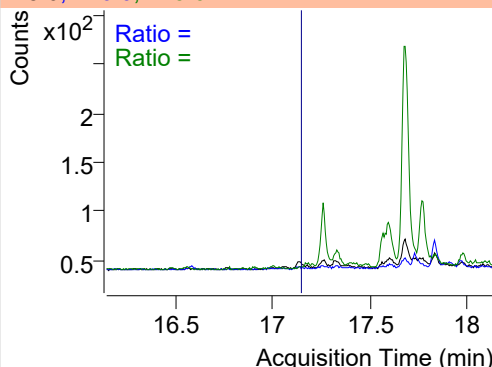
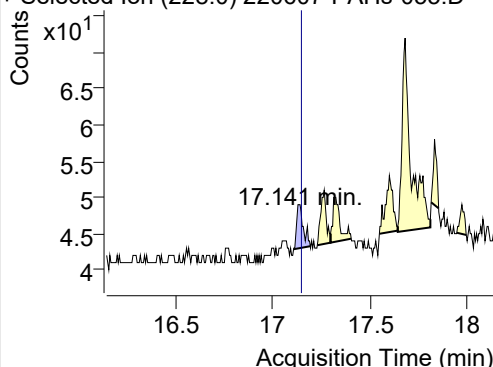


+ SIM (17.049-17.206 min, 29 scans) (**) 2206

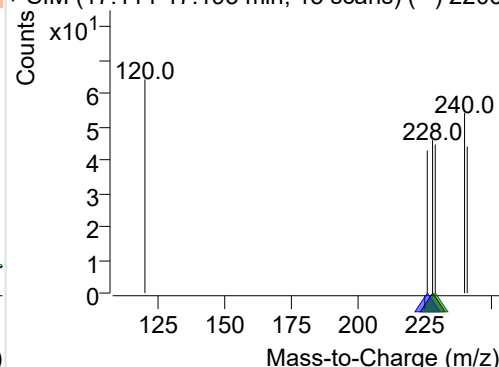
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-055.D

228.0, 226.0, 229.0

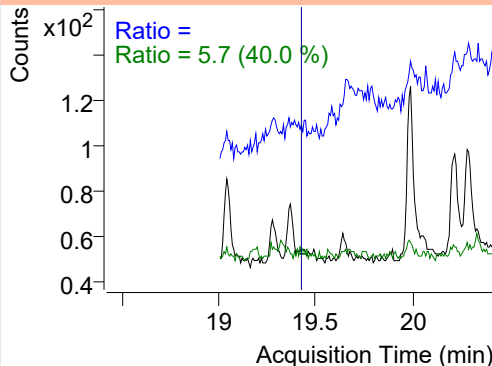
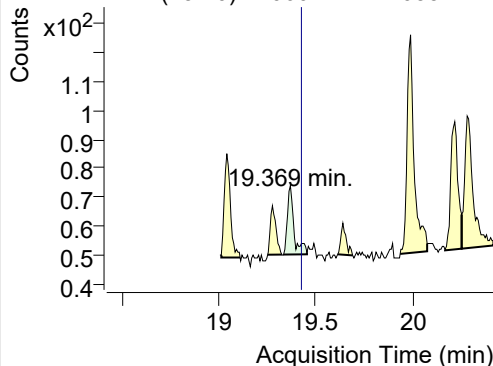


+ SIM (17.114-17.193 min, 15 scans) (**) 2206

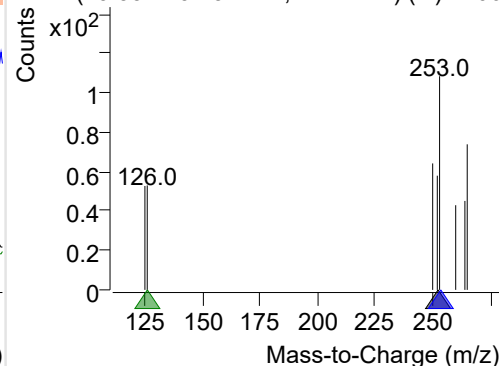
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-055.D

252.0, 253.0, 126.0



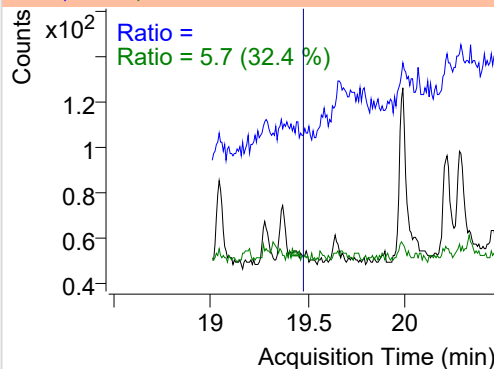
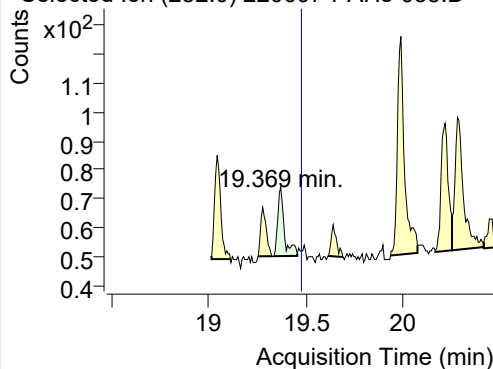
+ SIM (19.334-19.454 min, 17 scans) (**) 2206



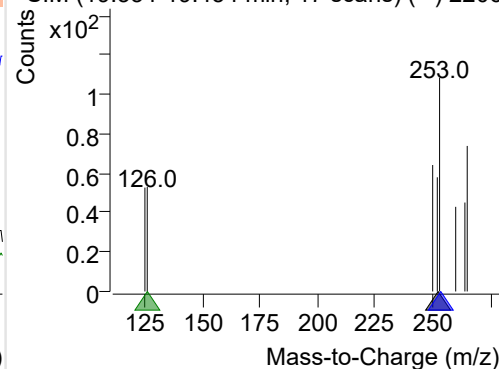
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-055.D

252.0, 253.0, 126.0

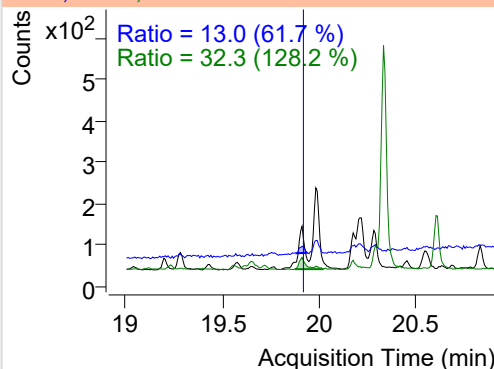
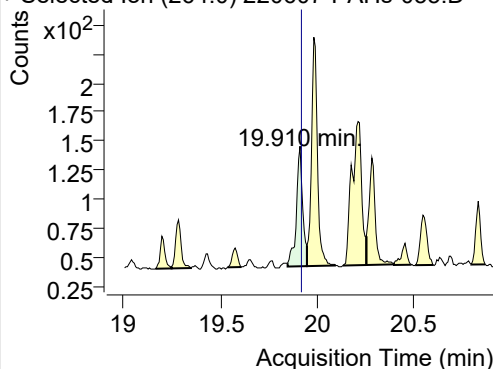


+ SIM (19.334-19.454 min, 17 scans) (**) 2206

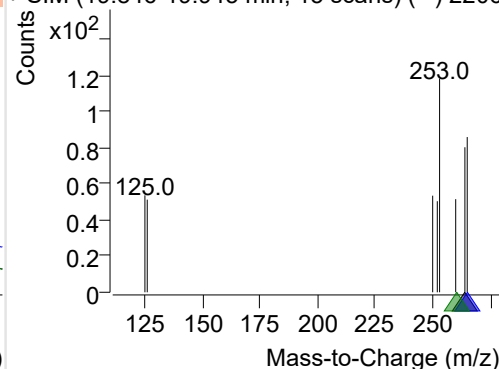
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-055.D

264.0, 265.0, 260.0

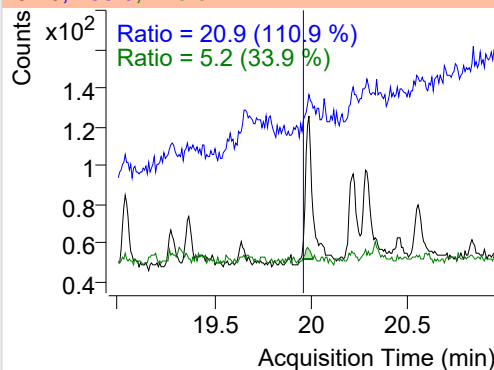
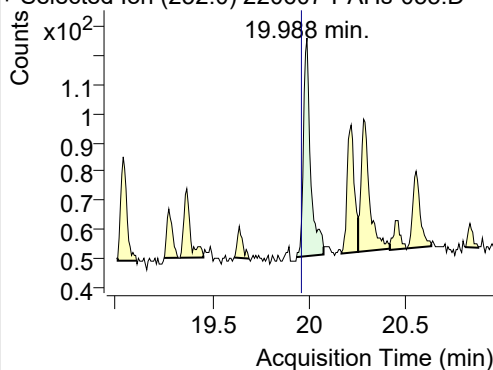


+ SIM (19.846-19.945 min, 15 scans) (**) 2206

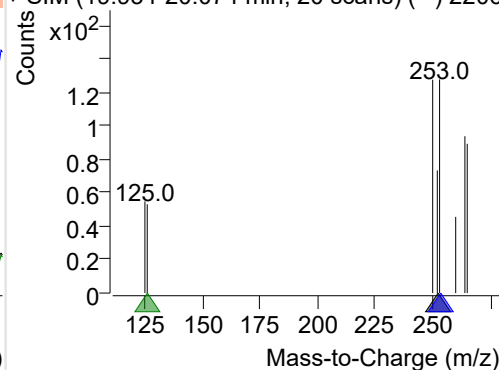
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-055.D

252.0, 253.0, 126.0

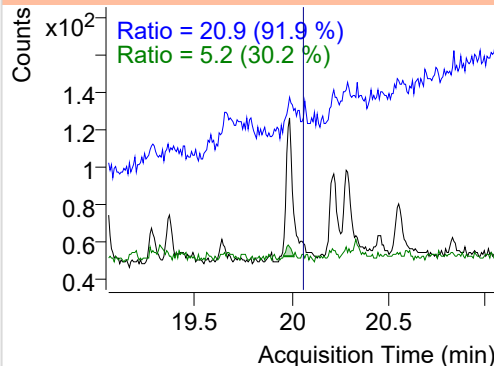
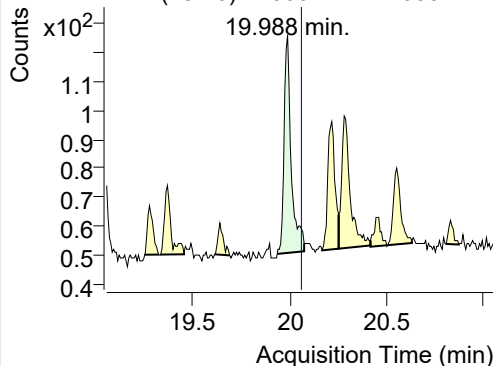


+ SIM (19.934-20.074 min, 20 scans) (**) 2206

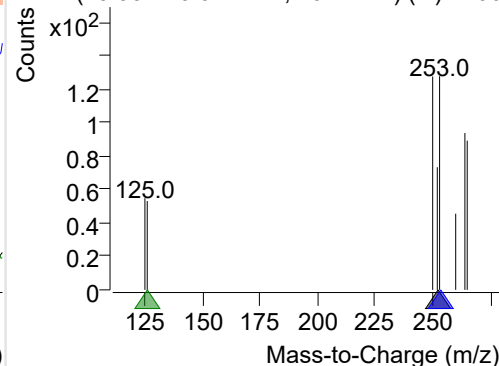
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-055.D

252.0, 253.0, 126.0



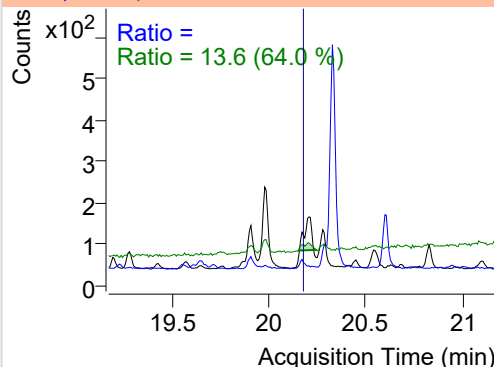
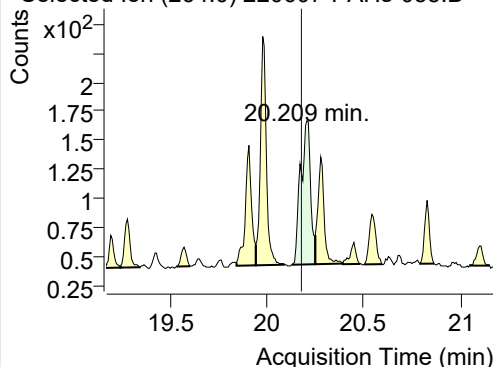
+ SIM (19.934-20.074 min, 20 scans) (**) 2206



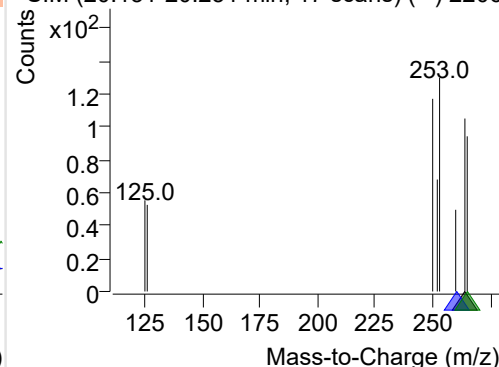
IS-D12-Perylene

+ Selected Ion (264.0) 220607-PAHs-055.D

264.0, 260.0, 265.0



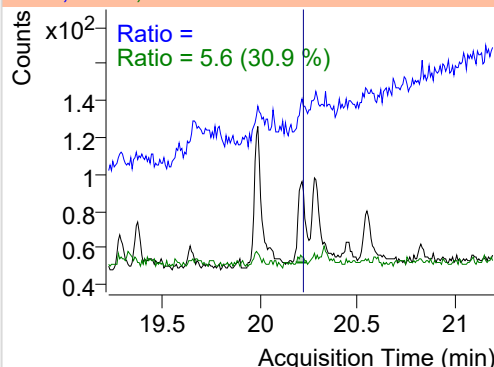
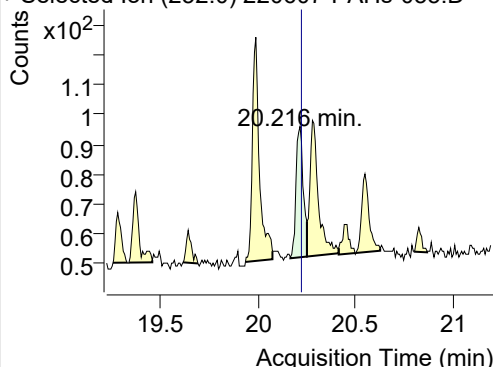
+ SIM (20.131-20.251 min, 17 scans) (**) 2206



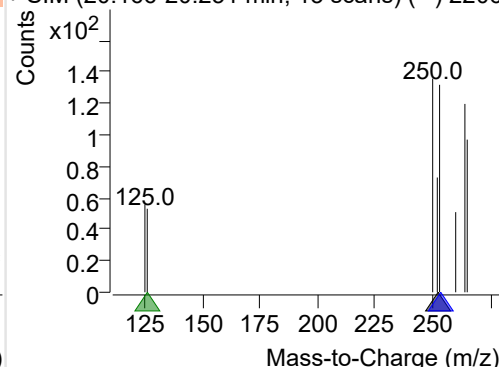
Perylene

+ Selected Ion (252.0) 220607-PAHs-055.D

252.0, 253.0, 126.0



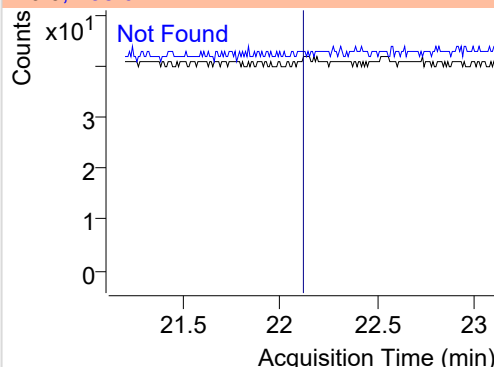
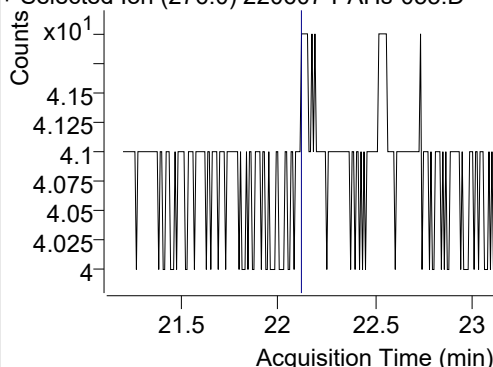
+ SIM (20.166-20.251 min, 13 scans) (**) 2206



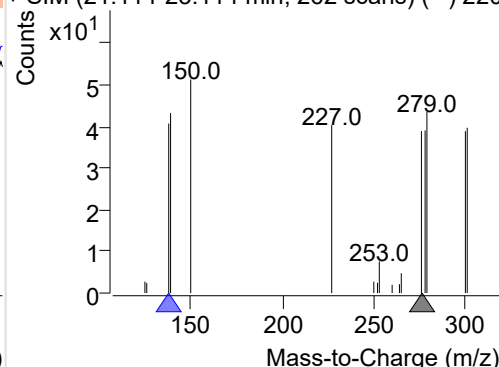
Indeno(1,2,3-c,d)pyrene

+ Selected Ion (276.0) 220607-PAHs-055.D

276.0, 138.0



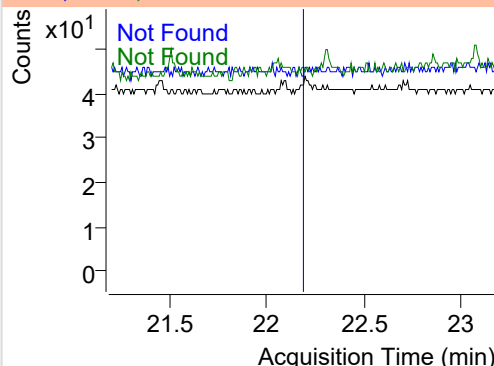
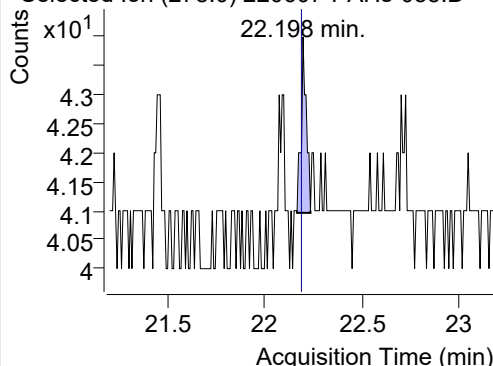
+ SIM (21.114-23.114 min, 262 scans) (**) 2206



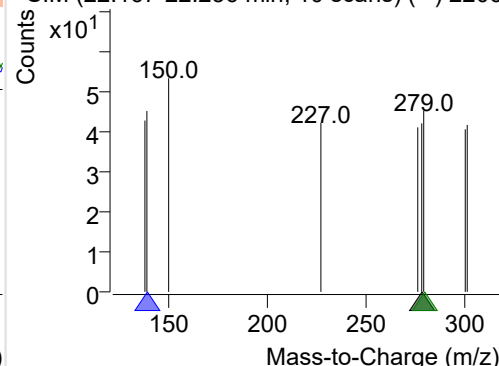
Dibenz(a,h)anthracene

+ Selected Ion (278.0) 220607-PAHs-055.D

278.0, 139.0, 279.0



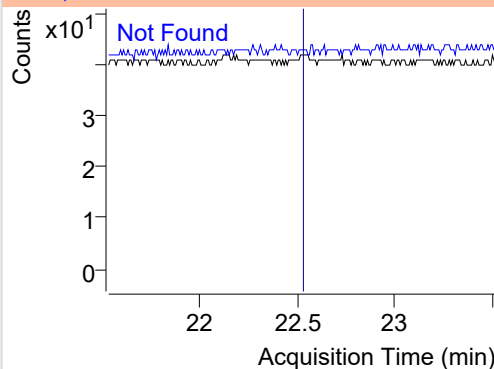
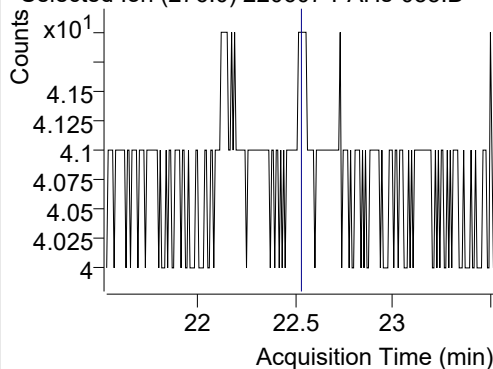
+ SIM (22.167-22.236 min, 10 scans) (**) 2206



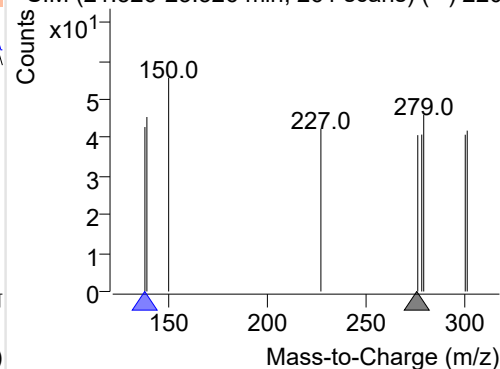
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-055.D

276.0, 138.0

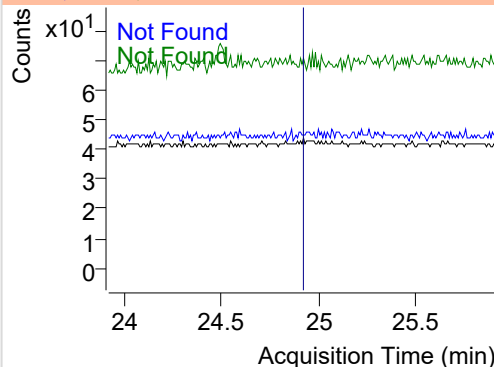
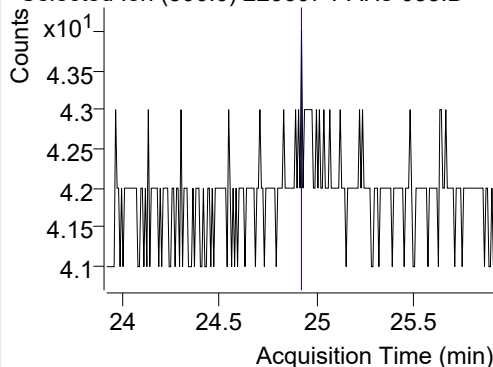


+ SIM (21.526-23.526 min, 261 scans) (**) 220

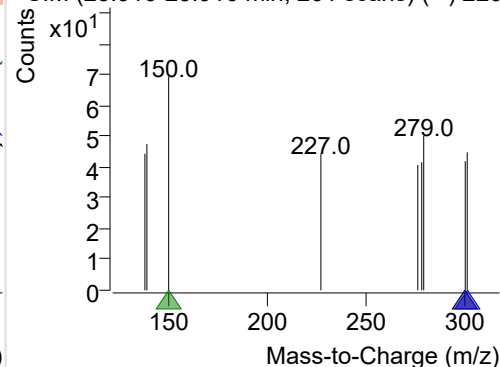
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-055.D

300.0, 301.0, 150.0



+ SIM (23.916-25.916 min, 261 scans) (**) 220



Quantitative Analysis Sample Based Report

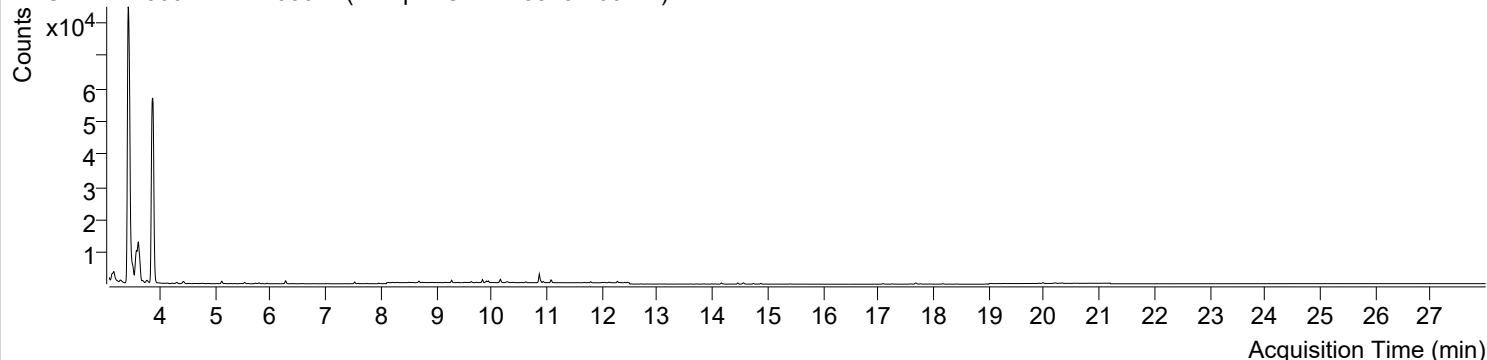


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오후 2:30:24	Data File	220607-PAHs-056.D
Type	Sample	Name	Sample-Gas-220523-100DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

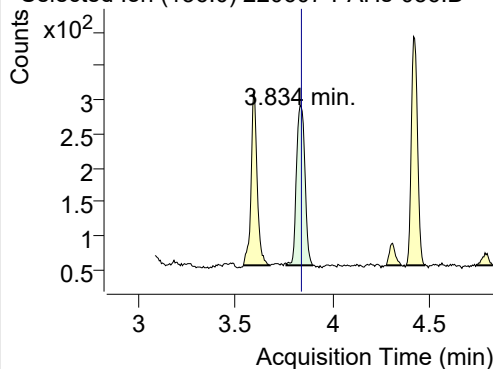
+ TIC SIM 220607-PAHs-056.D (Sample-Gas-220523-100DIL)



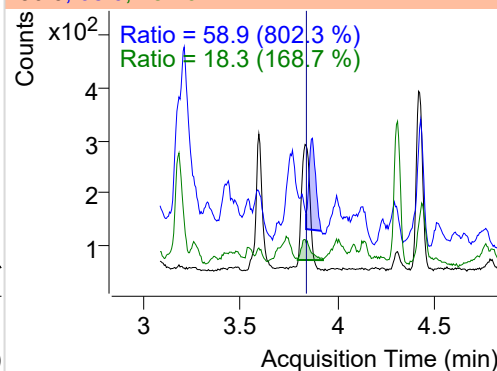
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.834	136.0	712	235.44	ND ng/ml	18.3
Naphthalene	3.872	128.0	137485	45339.42	ND ng/ml	13.2
Acenaphthylene	6.775	152.0	19	8.43	ND ng/ml	134.2
IS-D10-Acenaphthene	7.526	164.0	369	249.04	ND ng/ml	98.1
Acenaphthene	7.591	154.0	56	37.25	ND ng/ml	110.6
LSS-D10-Fluorene	8.694	176.0	329	191.12	ND ng/ml	94.0
Fluorene	8.747	166.0	92	55.29	ND ng/ml	107.0
IS-D10-Phenanthrene	10.889	188.0	665	399.54	ND ng/ml	14.4
Phenanthrene	10.942	178.0	380	227.36	ND ng/ml	18.2
Anthracene	11.089	178.0	392	214.36	ND ng/ml	29.4
Fluoranthene	13.710	202.0	67	40.73	ND ng/ml	
LSS-D10-Pyrene	14.165	212.0	392	238.47	ND ng/ml	20.0
Pyrene	14.197	202.0	79	45.59	ND ng/ml	28.1
Benz(a)anthracene	17.146	228.0	14	4.73	ND ng/ml	
IS-D12-Chrysene	17.087	240.0	265	130.55	ND ng/ml	16.7
Chrysene	17.146	228.0	14	4.73	ND ng/ml	
Benzo(b)fluoranthene	19.376	252.0	17	9.00	ND ng/ml	
Benzo(k)fluoranthene	19.376	252.0	17	9.00	ND ng/ml	
SS-D12-Benzo(e)pyrene	19.903	264.0	168	76.50	ND ng/ml	28.7
Benzo(e)pyrene	19.981	252.0	55	24.96	ND ng/ml	
Benzo(a)pyrene	19.981	252.0	55	24.96	ND ng/ml	
IS-D12-Perylene	20.173	264.0	233	69.50	ND ng/ml	16.4
Perylene	20.209	252.0	32	17.23	ND ng/ml	
Indeno(1,2,3-c,d)pytene		276.0			ND ng/ml	
Dibenz(a,h)anthracene	22.198	278.0	5	3.16	ND ng/ml	
Benzo(g,h,i)perylene		276.0			ND ng/ml	
Coronene	24.916	300.0	16	3.00	ND ng/ml	

IS-D8-Naphthalene

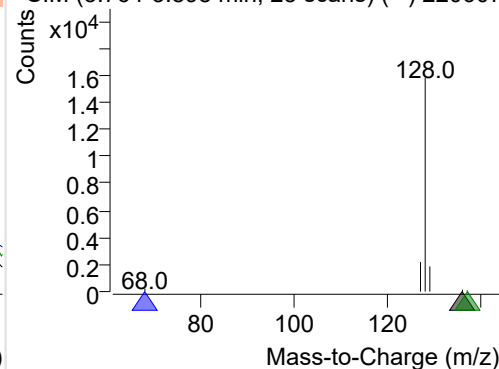
+ Selected Ion (136.0) 220607-PAHs-056.D



136.0, 68.0, 137.0

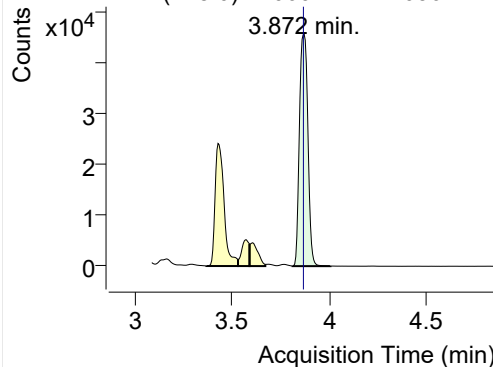


+ SIM (3.764-3.898 min, 25 scans) (**) 220607

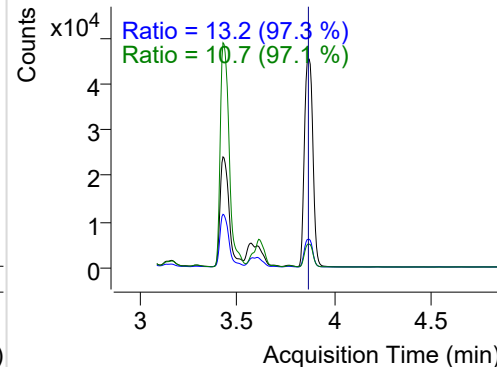


Naphthalene

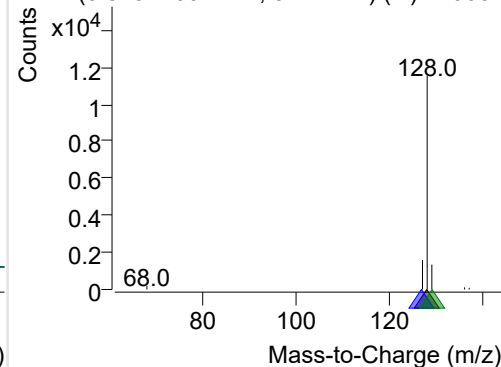
+ Selected Ion (128.0) 220607-PAHs-056.D



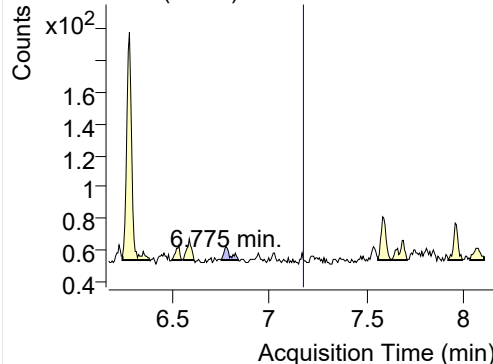
128.0, 127.0, 129.0



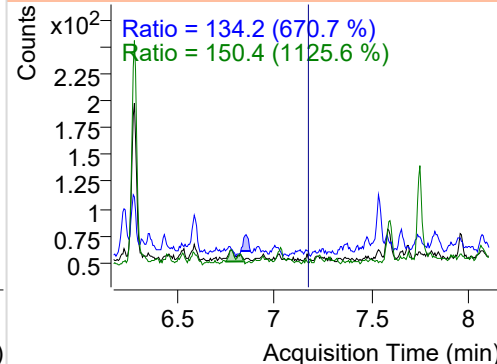
+ SIM (3.813-4.007 min, 37 scans) (**) 220607

**Acenaphthylene**

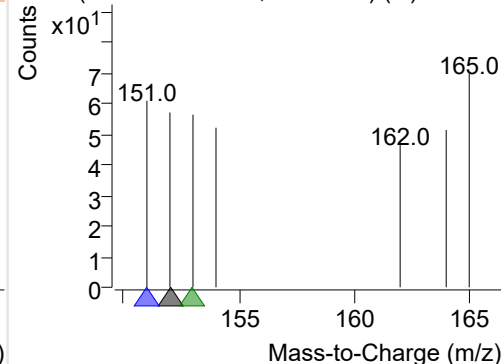
+ Selected Ion (152.0) 220607-PAHs-056.D



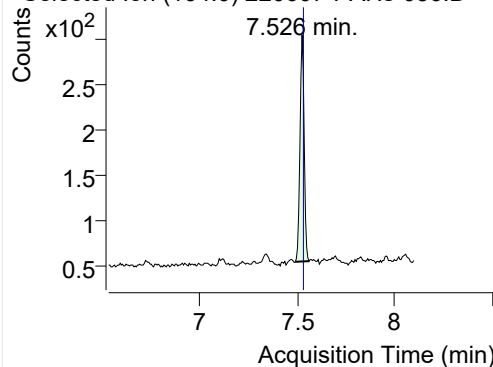
152.0, 151.0, 153.0



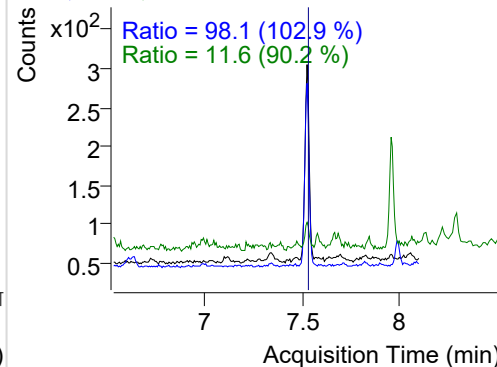
+ SIM (6.751-6.838 min, 15 scans) (**) 220607

**IS-D10-Acenaphthene**

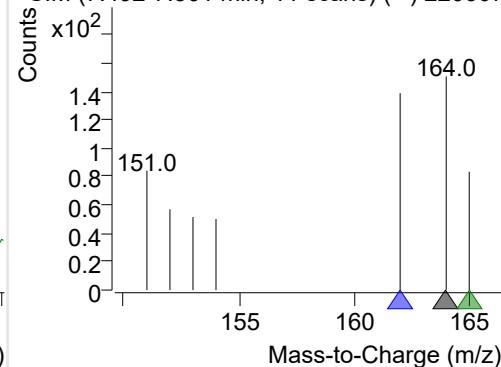
+ Selected Ion (164.0) 220607-PAHs-056.D



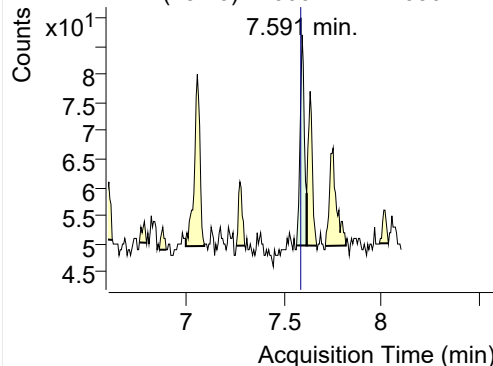
164.0, 162.0, 165.0



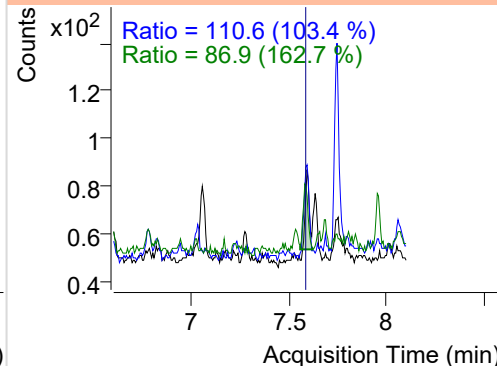
+ SIM (7.492-7.561 min, 11 scans) (**) 220607

**Acenaphthene**

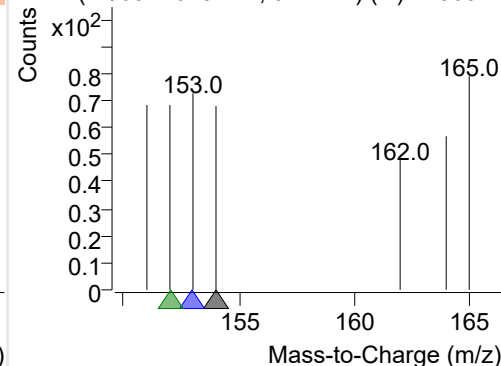
+ Selected Ion (154.0) 220607-PAHs-056.D



154.0, 153.0, 152.0

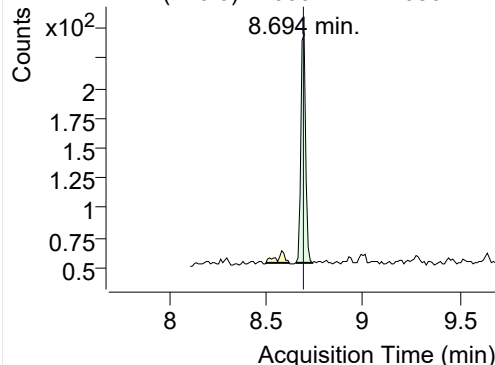


+ SIM (7.563-7.615 min, 9 scans) (**) 220607-I

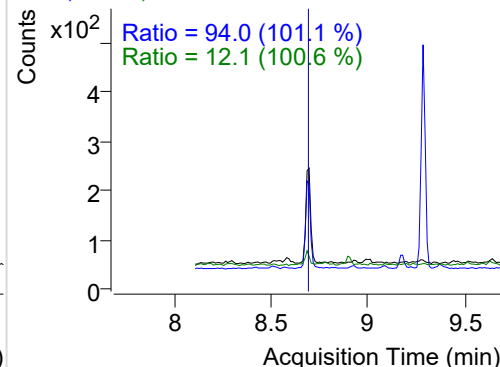


LSS-D10-Fluorene

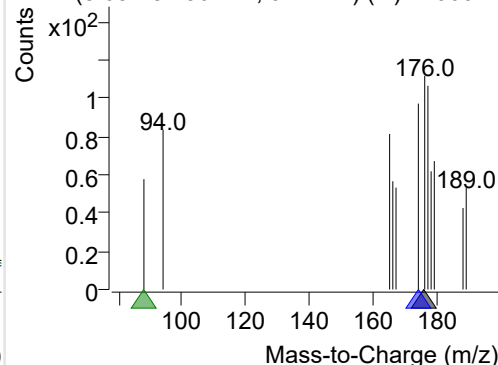
+ Selected Ion (176.0) 220607-PAHs-056.D



176.0, 174.0, 88.0

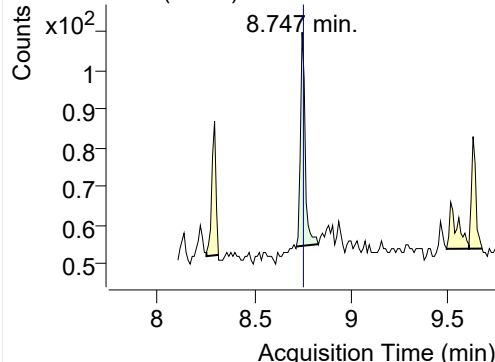


+ SIM (8.651-8.736 min, 9 scans) (**) 220607-I

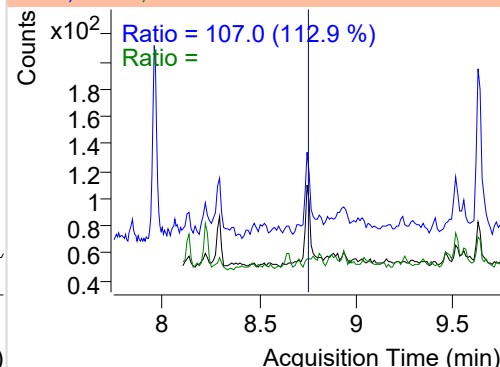


Fluorene

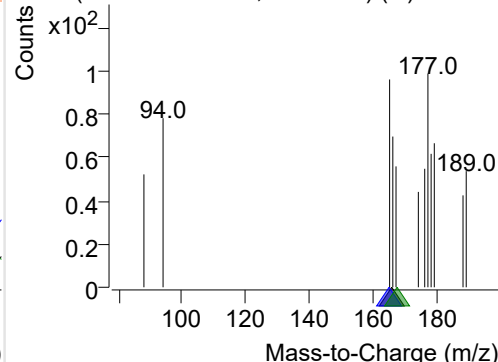
+ Selected Ion (166.0) 220607-PAHs-056.D



166.0, 165.0, 167.0

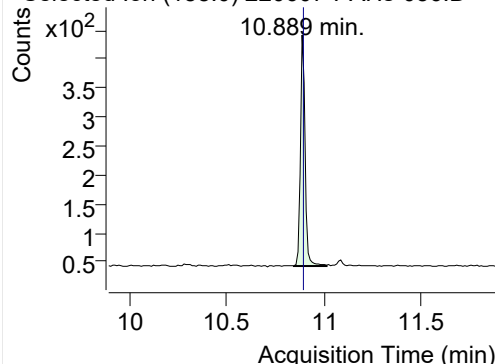


+ SIM (8.717-8.830 min, 10 scans) (**) 220607

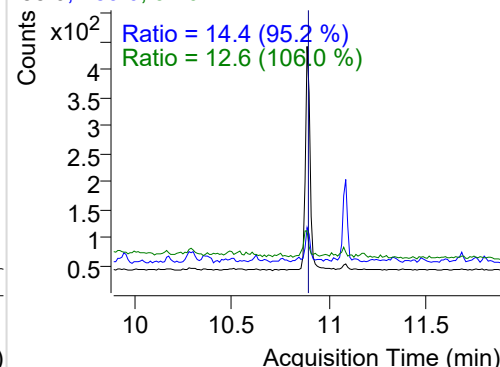


IS-D10-Phenanthrene

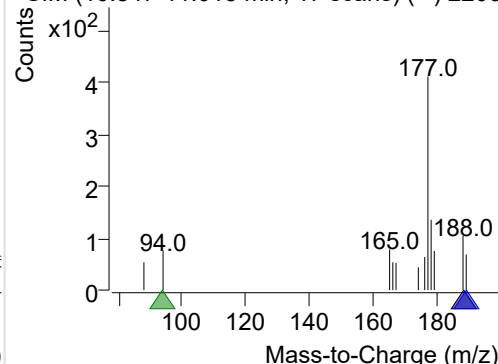
+ Selected Ion (188.0) 220607-PAHs-056.D



188.0, 189.0, 94.0

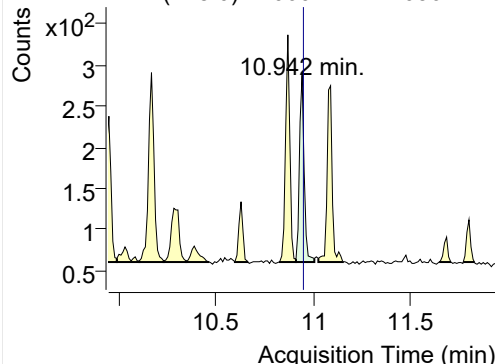


+ SIM (10.847-11.015 min, 17 scans) (**) 2206

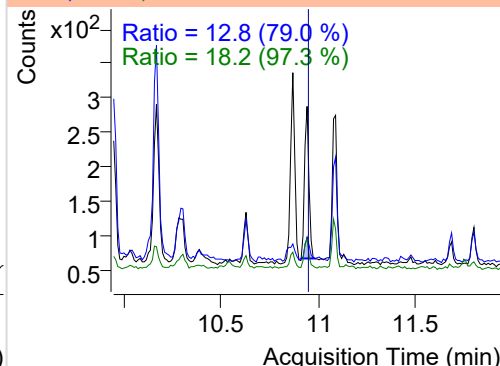


Phenanthrene

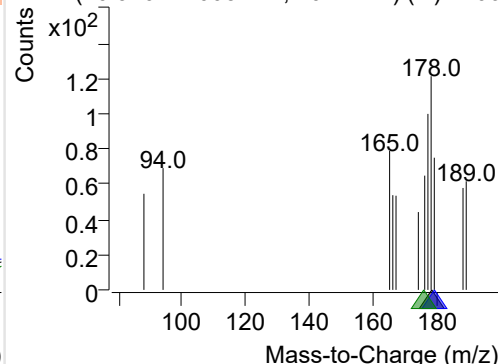
+ Selected Ion (178.0) 220607-PAHs-056.D



178.0, 179.0, 176.0

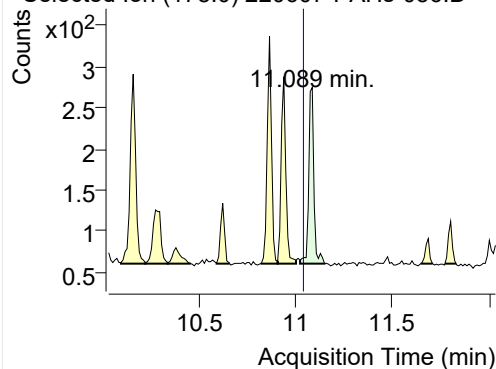


+ SIM (10.910-11.005 min, 10 scans) (**) 2206

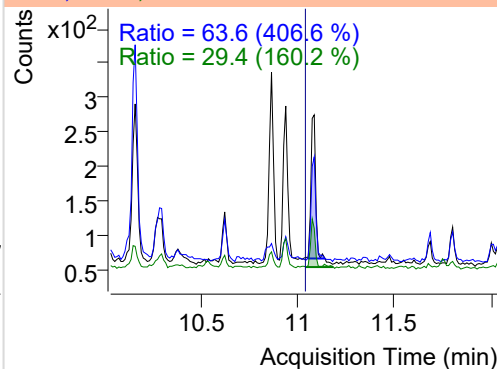


Anthracene

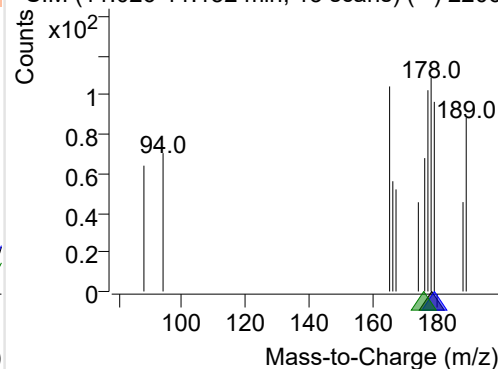
+ Selected Ion (178.0) 220607-PAHs-056.D



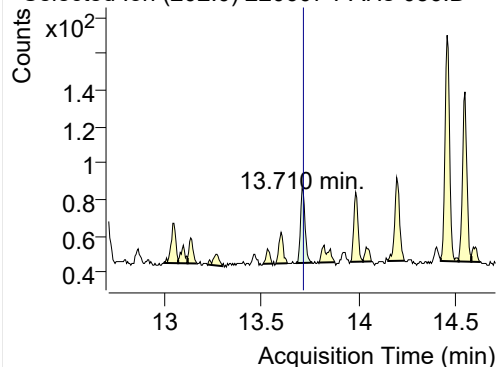
178.0, 179.0, 176.0



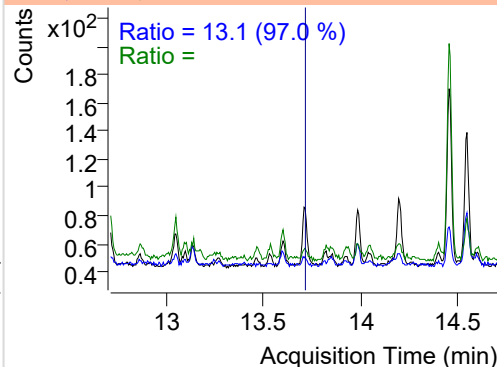
+ SIM (11.026-11.152 min, 13 scans) (**) 2206

**Fluoranthene**

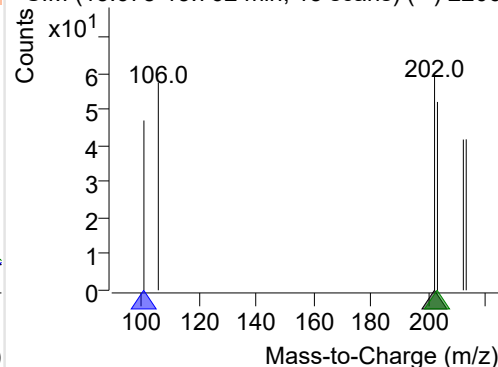
+ Selected Ion (202.0) 220607-PAHs-056.D



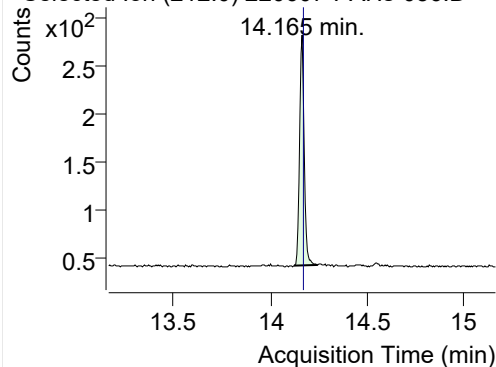
202.0, 101.0, 203.0



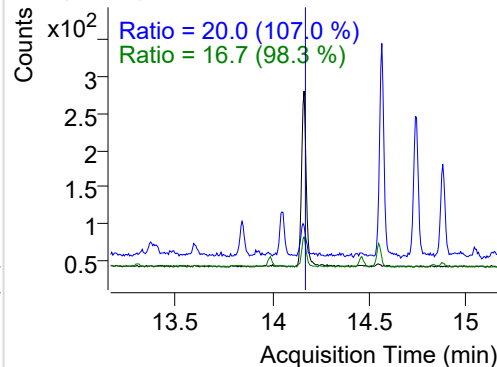
+ SIM (13.678-13.762 min, 15 scans) (**) 2206

**LSS-D10-Pyrene**

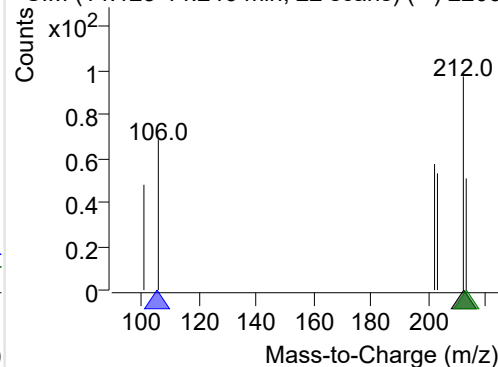
+ Selected Ion (212.0) 220607-PAHs-056.D



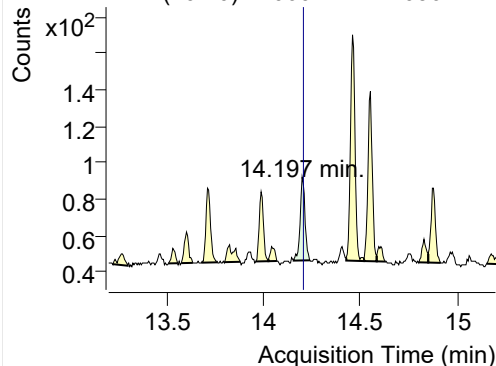
212.0, 106.0, 213.0



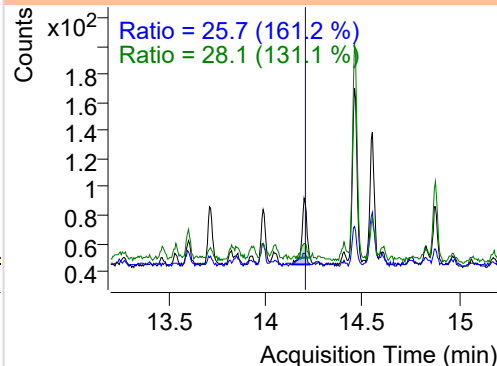
+ SIM (14.123-14.246 min, 22 scans) (**) 2206

**Pyrene**

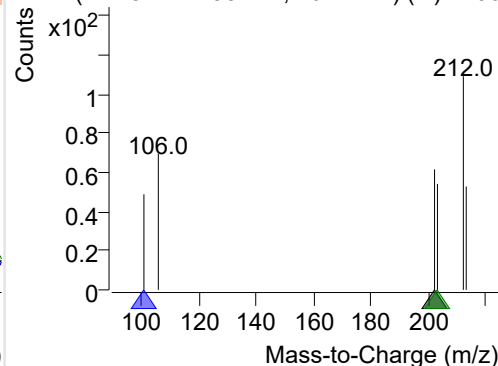
+ Selected Ion (202.0) 220607-PAHs-056.D



202.0, 101.0, 203.0



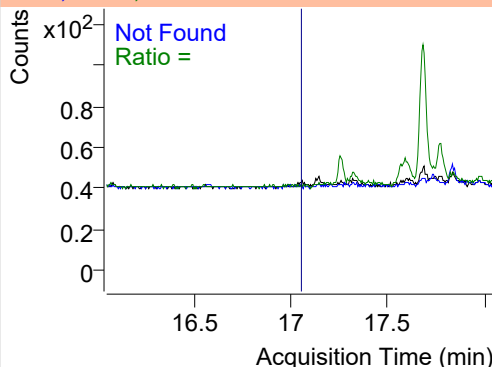
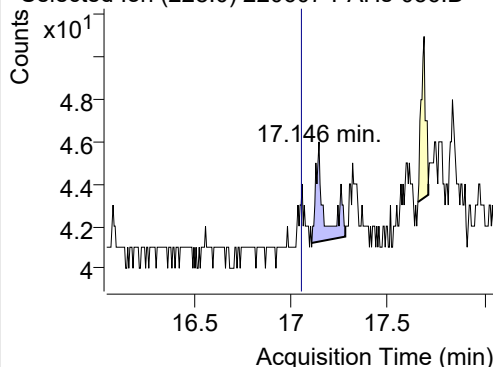
+ SIM (14.154-14.238 min, 16 scans) (**) 2206



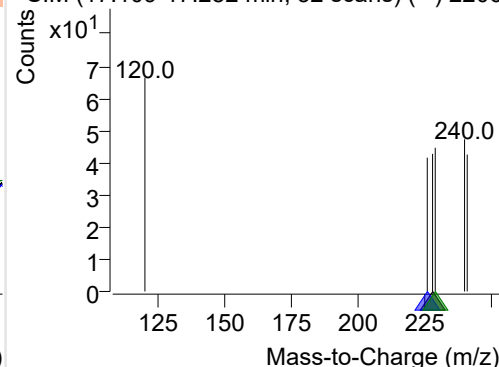
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-056.D

228.0, 226.0, 229.0

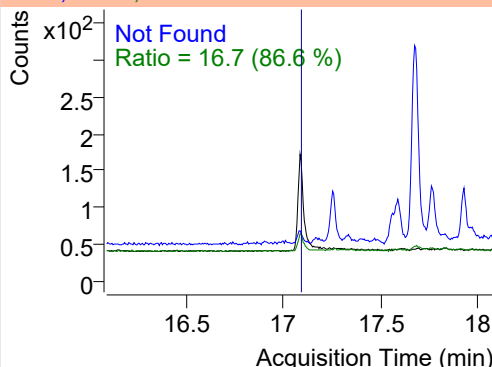
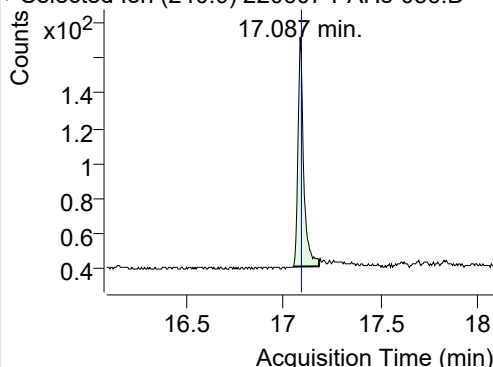


+ SIM (17.109-17.282 min, 32 scans) (**) 2206

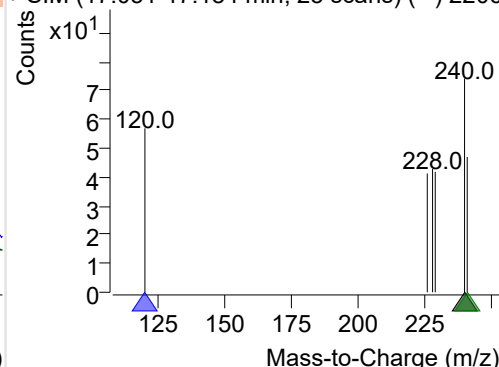
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-056.D

240.0, 120.0, 241.0

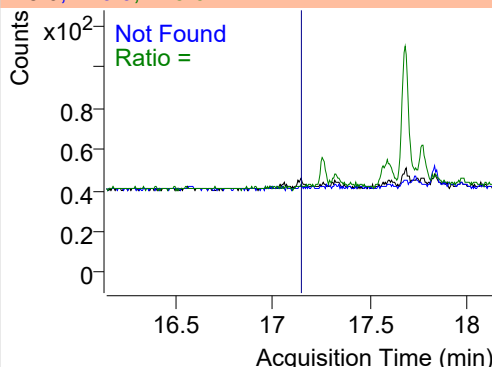
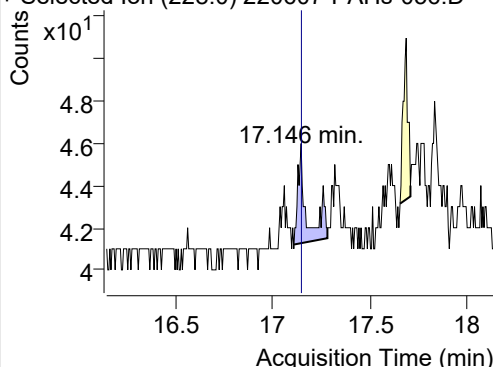


+ SIM (17.051-17.184 min, 25 scans) (**) 2206

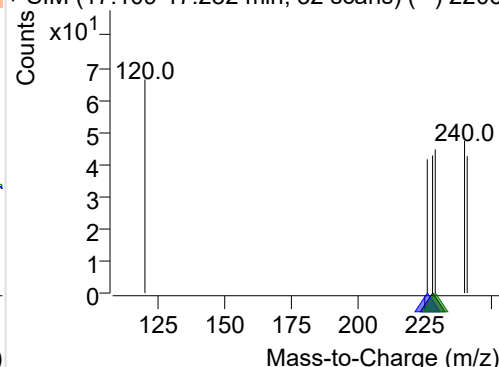
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-056.D

228.0, 226.0, 229.0

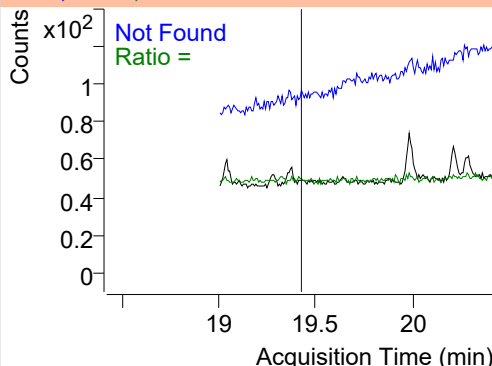
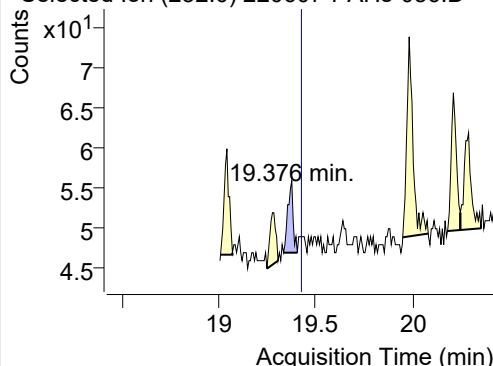


+ SIM (17.109-17.282 min, 32 scans) (**) 2206

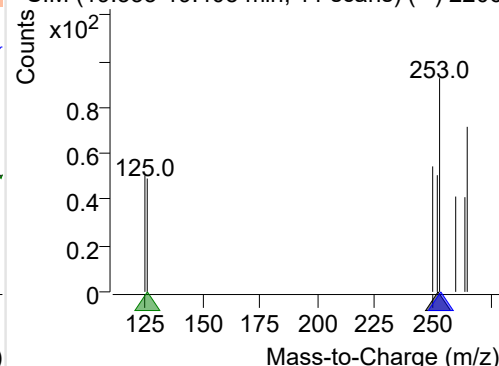
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-056.D

252.0, 253.0, 126.0



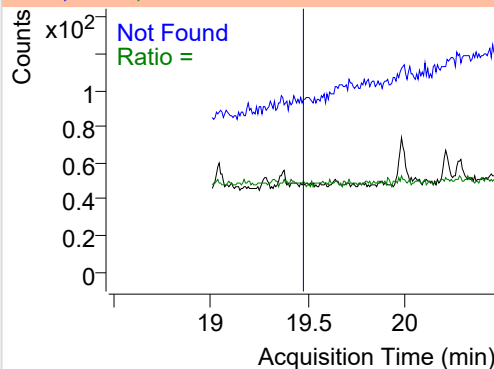
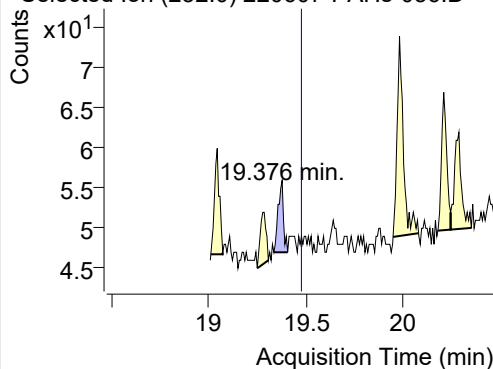
+ SIM (19.333-19.405 min, 11 scans) (**) 2206



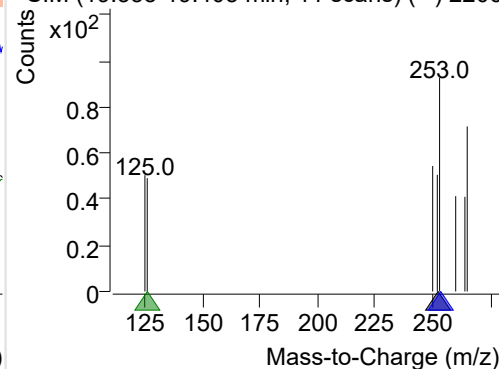
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-056.D

252.0, 253.0, 126.0

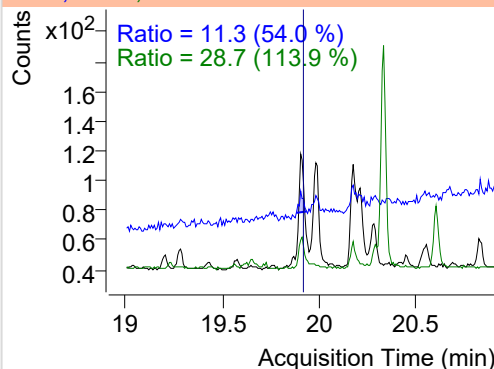
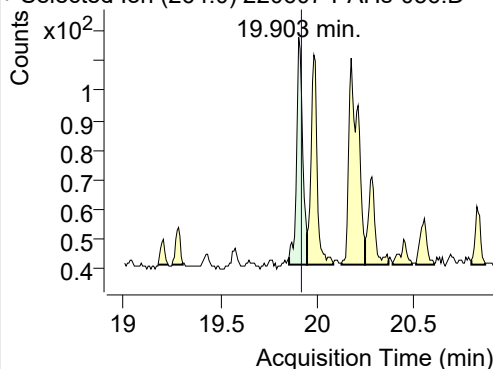


+ SIM (19.333-19.405 min, 11 scans) (**) 2206

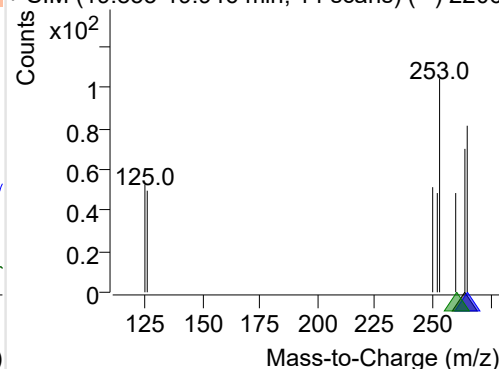
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-056.D

264.0, 265.0, 260.0

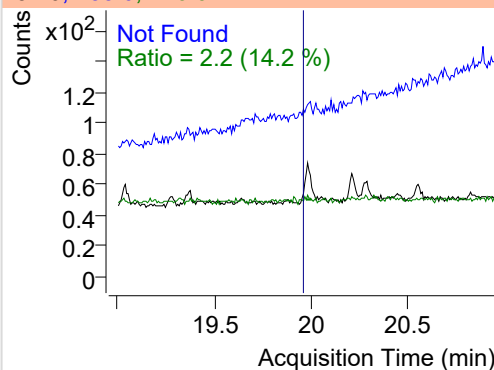
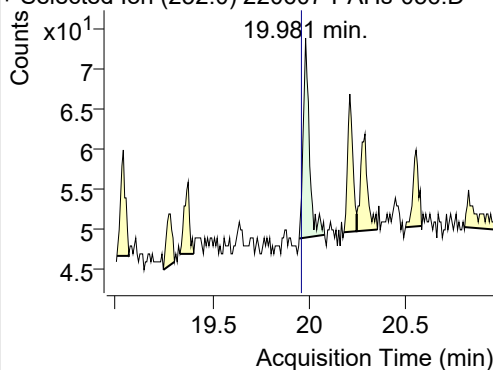


+ SIM (19.853-19.946 min, 14 scans) (**) 2206

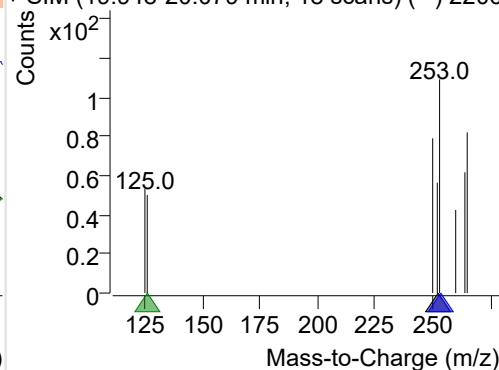
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-056.D

252.0, 253.0, 126.0

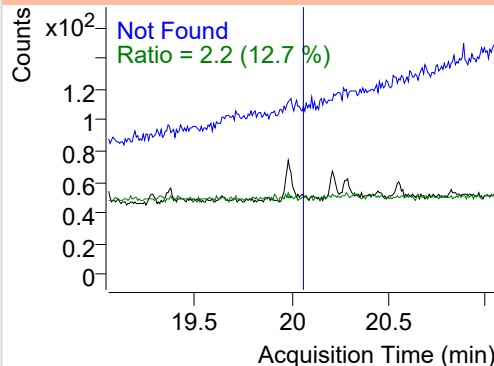
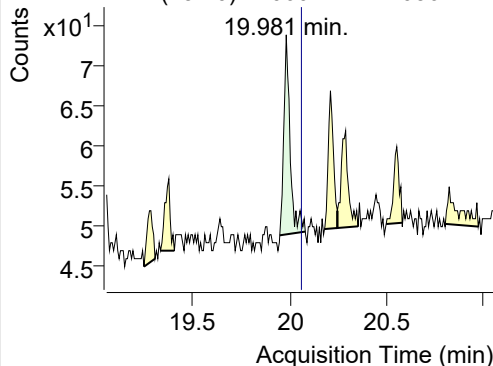


+ SIM (19.948-20.079 min, 18 scans) (**) 2206

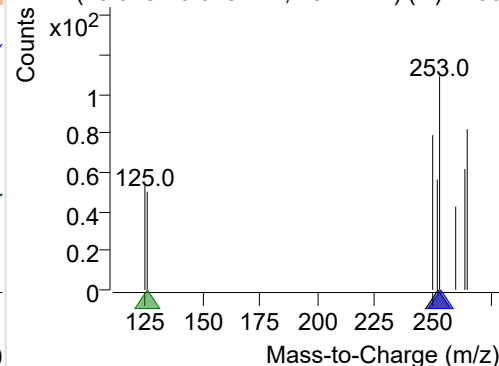
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-056.D

252.0, 253.0, 126.0



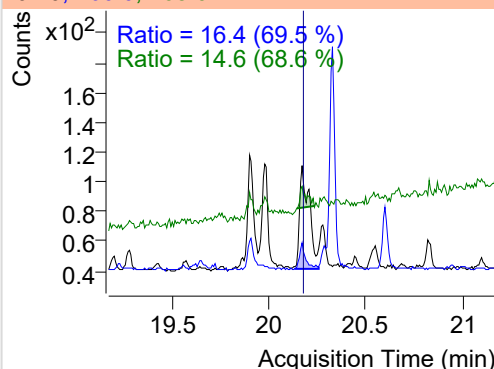
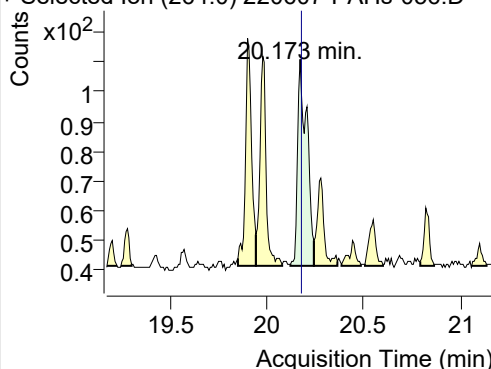
+ SIM (19.948-20.079 min, 18 scans) (**) 2206



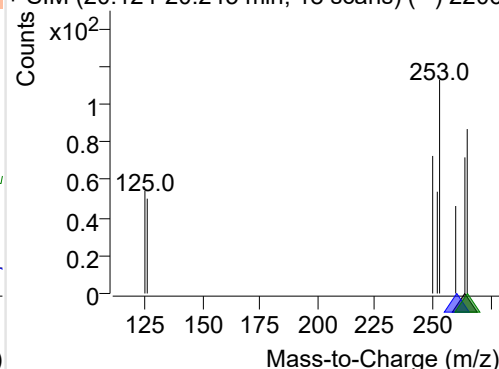
IS-D12-Perylene

+ Selected Ion (264.0) 220607-PAHs-056.D

264.0, 260.0, 265.0



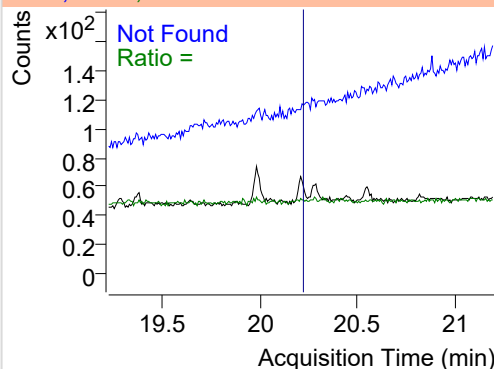
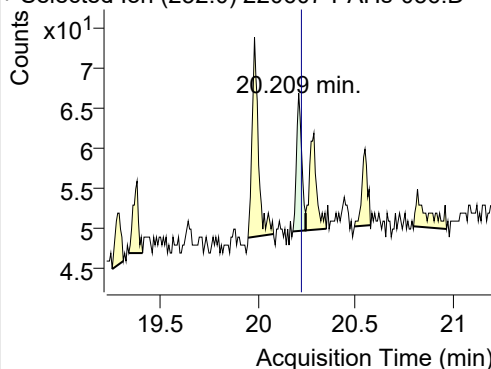
+ SIM (20.124-20.245 min, 18 scans) (**) 2206



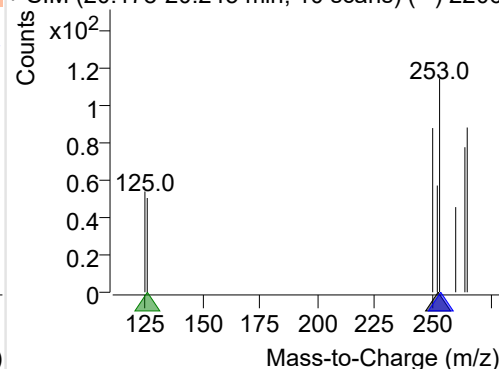
Perylene

+ Selected Ion (252.0) 220607-PAHs-056.D

252.0, 253.0, 126.0



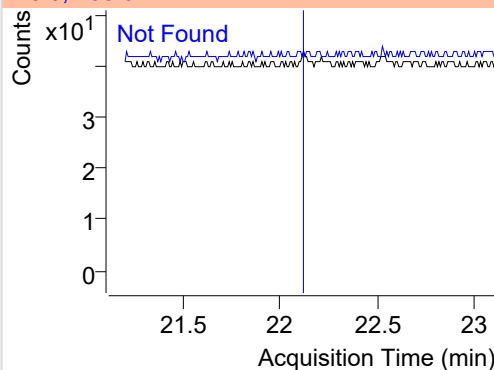
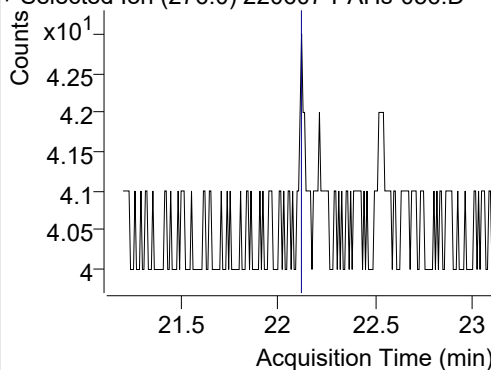
+ SIM (20.178-20.245 min, 10 scans) (**) 2206



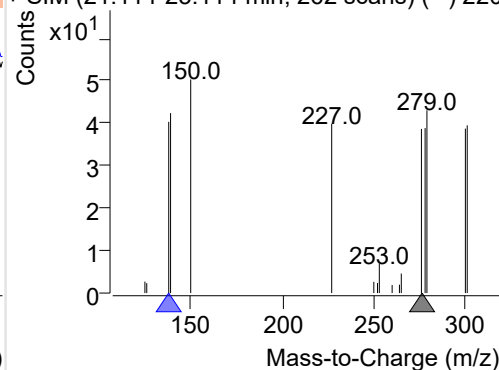
Indeno(1,2,3-c,d)pyrene

+ Selected Ion (276.0) 220607-PAHs-056.D

276.0, 138.0



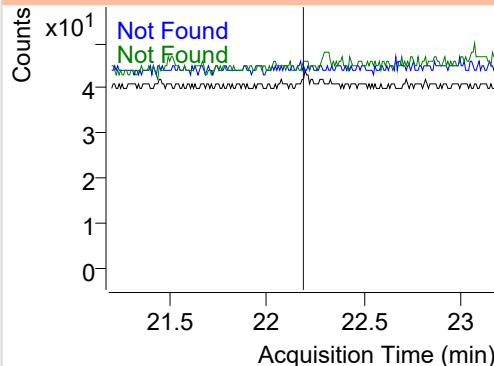
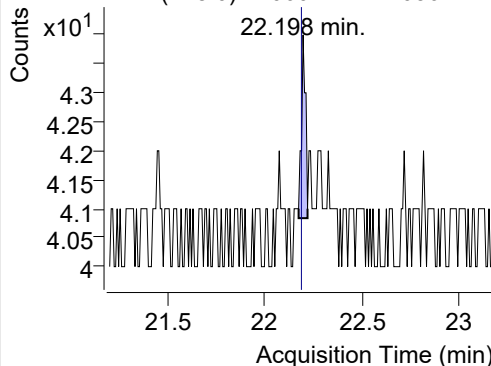
+ SIM (21.114-23.114 min, 262 scans) (**) 220



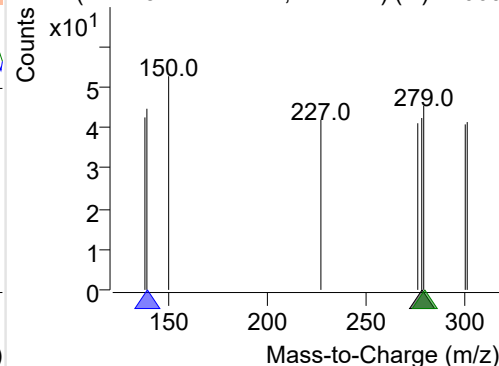
Dibenz(a,h)anthracene

+ Selected Ion (278.0) 220607-PAHs-056.D

278.0, 139.0, 279.0



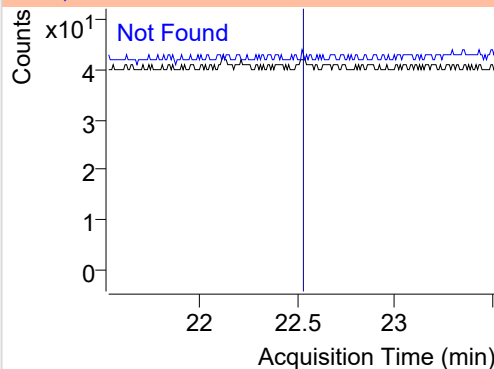
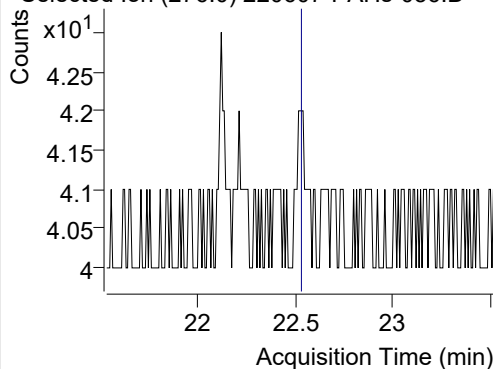
+ SIM (22.175-22.221 min, 7 scans) (**) 22060



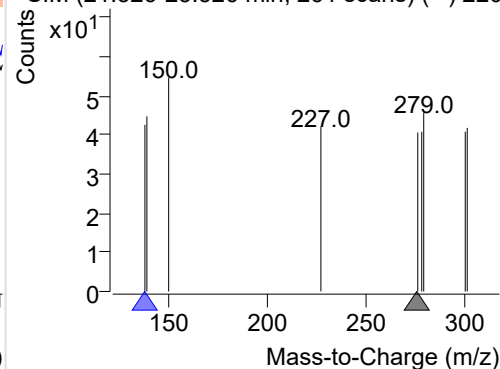
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-056.D

276.0, 138.0

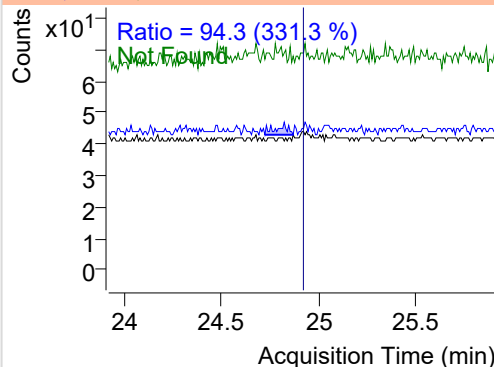
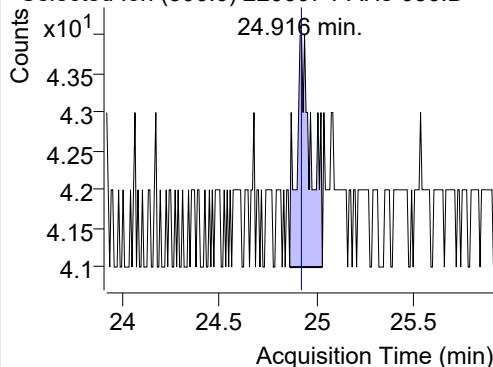


+ SIM (21.526-23.526 min, 261 scans) (**) 220

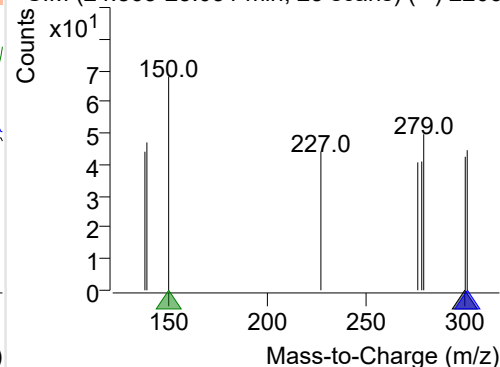
**Coronene**

+ Selected Ion (300.0) 220607-PAHs-056.D

300.0, 301.0, 150.0



+ SIM (24.863-25.031 min, 23 scans) (**) 2206



Quantitative Analysis Sample Based Report

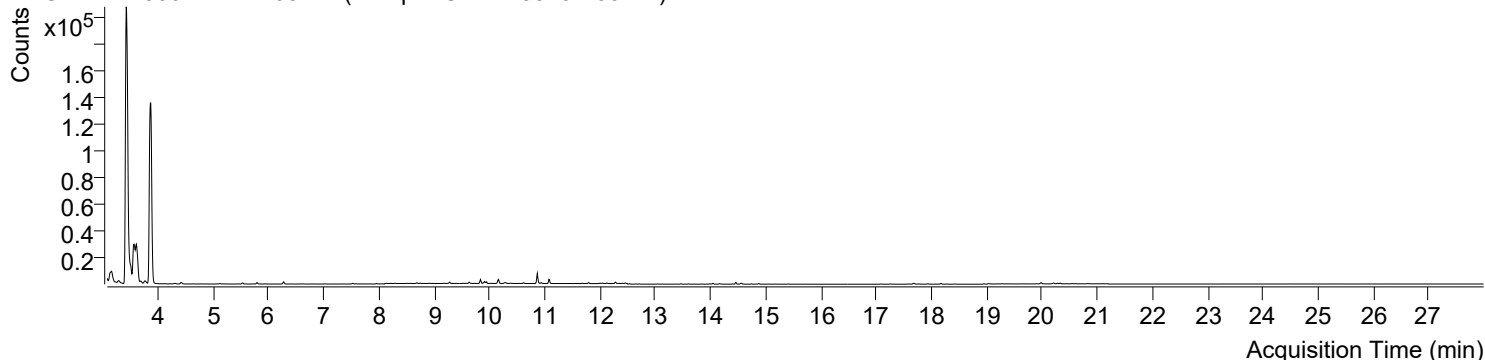


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\220607-PAHs-Sample\QuantResults\220607-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-06-10 오후 3:38:56	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-06-10 오후 3:39:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-06-10 오후 3:34:42	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-06-10 오후 3:01:32	Data File	220607-PAHs-057.D
Type	Sample	Name	Sample-Gas-220529-100DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

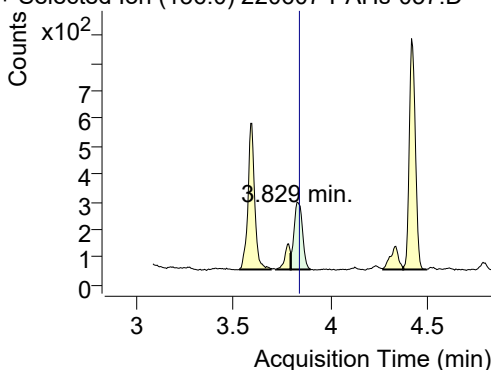
+ TIC SIM 220607-PAHs-057.D (Sample-Gas-220529-100DIL)



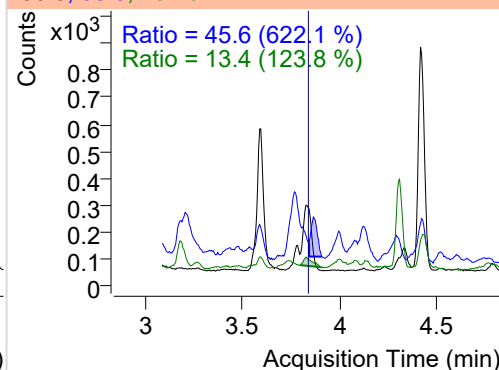
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.829	136.0	739	242.57	ND ng/ml	13.4
Naphthalene	3.866	128.0	322544	109572.95	ND ng/ml	12.9
Acenaphthylene	6.774	152.0	29	18.80	ND ng/ml	90.8
IS-D10-Acenaphthene	7.526	164.0	370	244.27	ND ng/ml	100.5
Acenaphthene	7.591	154.0	115	76.87	ND ng/ml	114.9
LSS-D10-Fluorene	8.694	176.0	321	190.68	ND ng/ml	93.3
Fluorene	8.747	166.0	235	132.82	ND ng/ml	106.4
IS-D10-Phenanthrene	10.889	188.0	673	413.07	ND ng/ml	12.8
Phenanthrene	10.941	178.0	664	386.37	ND ng/ml	20.0
Anthracene	11.078	178.0	1337	808.37	ND ng/ml	29.2
Fluoranthene	13.709	202.0	112	67.50	ND ng/ml	
LSS-D10-Pyrene	14.165	212.0	392	230.71	ND ng/ml	27.5
Pyrene	14.203	202.0	143	77.10	ND ng/ml	36.5
Benz(a)anthracene	17.320	228.0	15	8.36	ND ng/ml	
IS-D12-Chrysene	17.086	240.0	262	121.78	ND ng/ml	16.1
Chrysene	17.320	228.0	15	8.36	ND ng/ml	
Benzo(b)fluoranthene	19.369	252.0	61	25.01	ND ng/ml	
Benzo(k)fluoranthene	19.369	252.0	61	25.01	ND ng/ml	
SS-D12-Benzo(e)pyrene	19.903	264.0	201	78.76	ND ng/ml	
Benzo(e)pyrene	19.981	252.0	226	86.93	ND ng/ml	27.6
Benzo(a)pyrene	19.981	252.0	226	86.93	ND ng/ml	27.6
IS-D12-Perylene	20.209	264.0	528	185.94	ND ng/ml	
Perylene	20.216	252.0	155	63.39	ND ng/ml	
Indeno(1,2,3-c,d)pyrene		276.0			ND ng/ml	
Dibenz(a,h)anthracene		278.0			ND ng/ml	
Benzo(g,h,i)perylene		276.0			ND ng/ml	
Coronene	24.939	300.0	9	2.59	ND ng/ml	

IS-D8-Naphthalene

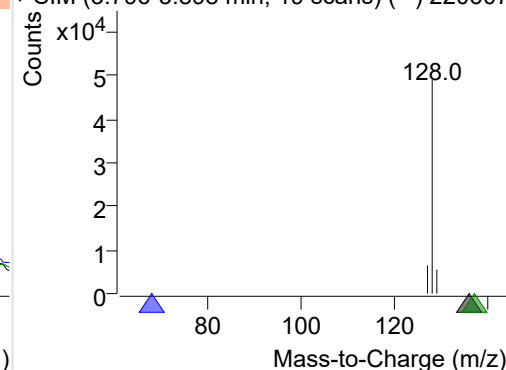
+ Selected Ion (136.0) 220607-PAHs-057.D



136.0, 68.0, 137.0

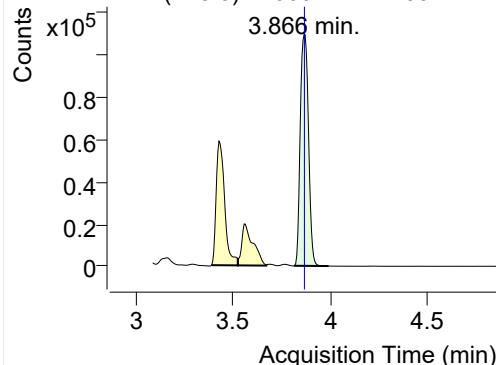


+ SIM (3.796-3.898 min, 19 scans) (**) 220607

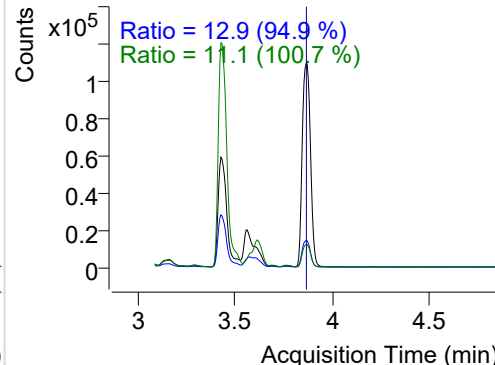


Naphthalene

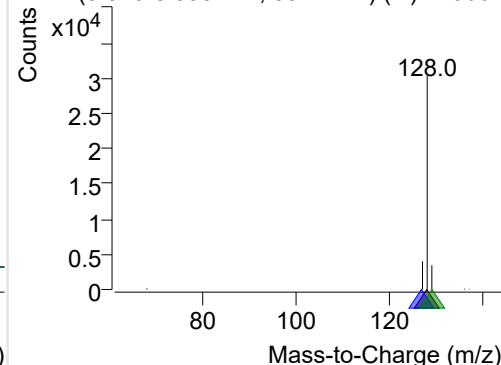
+ Selected Ion (128.0) 220607-PAHs-057.D



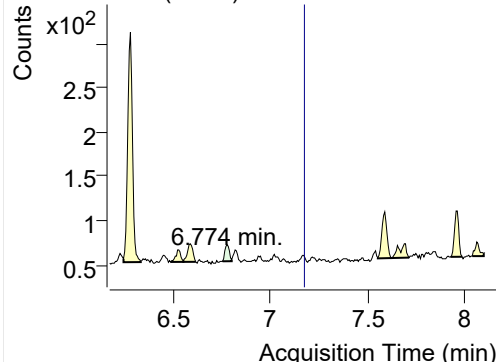
128.0, 127.0, 129.0



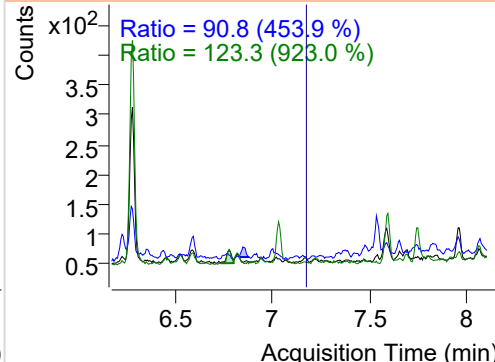
+ SIM (3.815-3.993 min, 33 scans) (**) 220607

**Acenaphthylene**

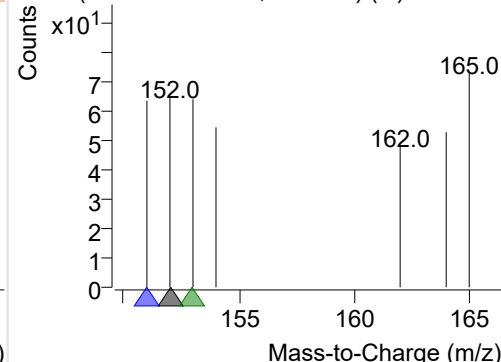
+ Selected Ion (152.0) 220607-PAHs-057.D



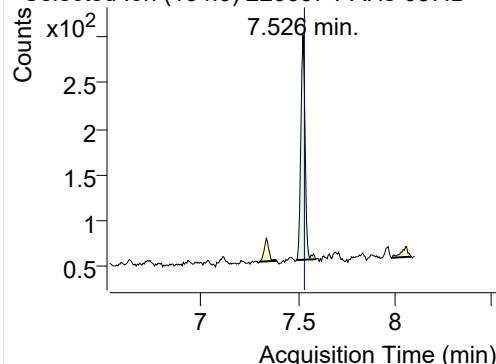
152.0, 151.0, 153.0



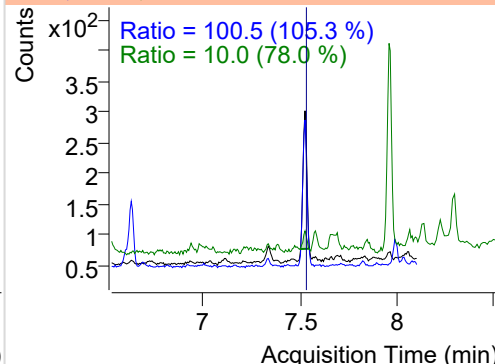
+ SIM (6.751-6.798 min, 8 scans) (**) 220607-I

**IS-D10-Acenaphthene**

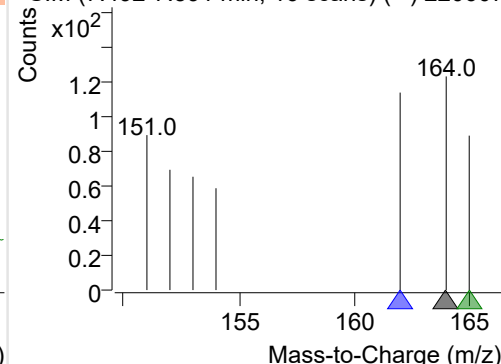
+ Selected Ion (164.0) 220607-PAHs-057.D



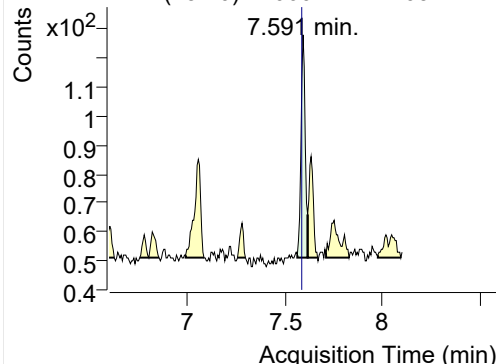
164.0, 162.0, 165.0



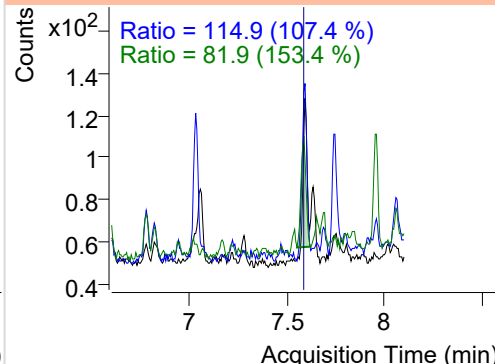
+ SIM (7.492-7.591 min, 16 scans) (**) 220607

**Acenaphthene**

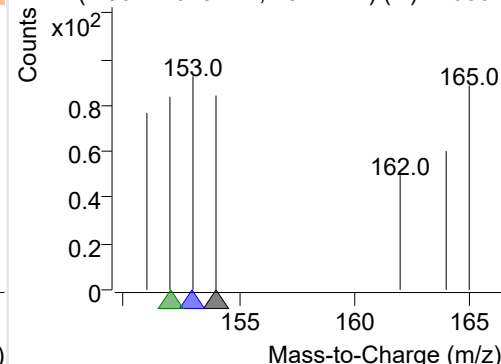
+ Selected Ion (154.0) 220607-PAHs-057.D



154.0, 153.0, 152.0

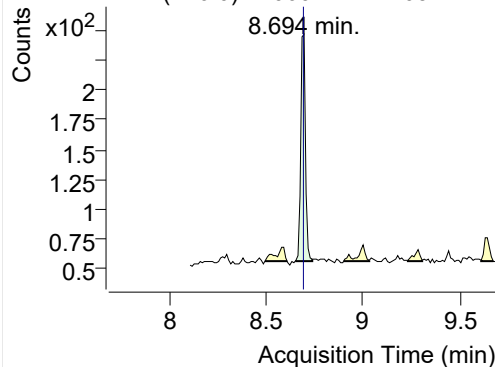


+ SIM (7.562-7.615 min, 10 scans) (**) 220607

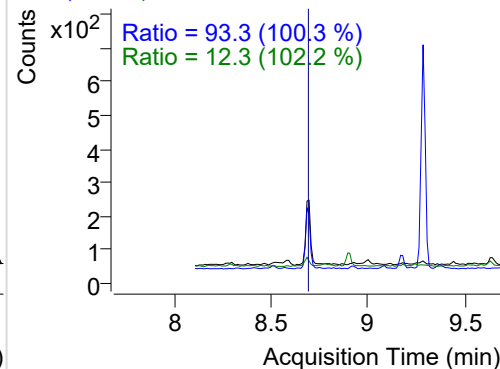


LSS-D10-Fluorene

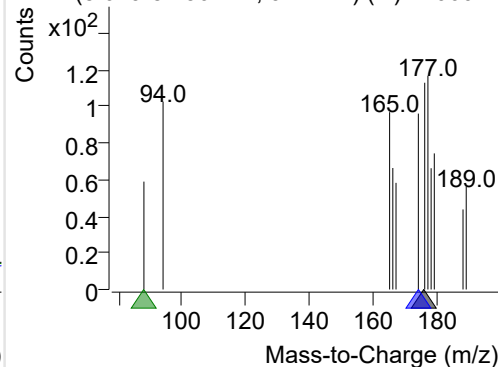
+ Selected Ion (176.0) 220607-PAHs-057.D



176.0, 174.0, 88.0

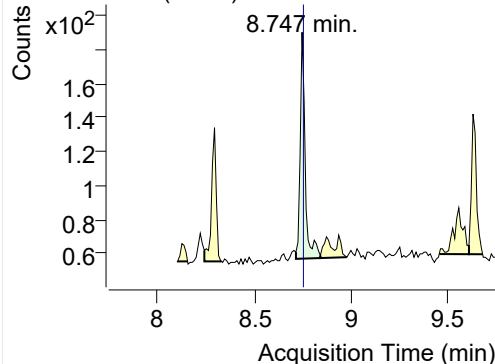


+ SIM (8.649-8.736 min, 9 scans) (**) 220607-I

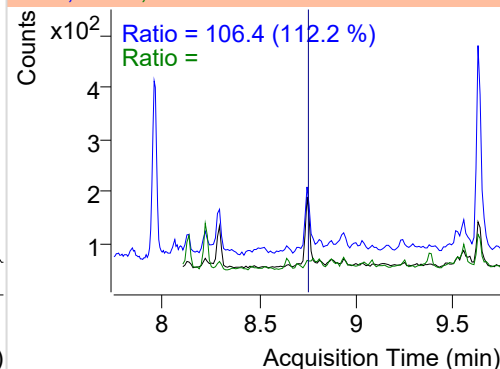


Fluorene

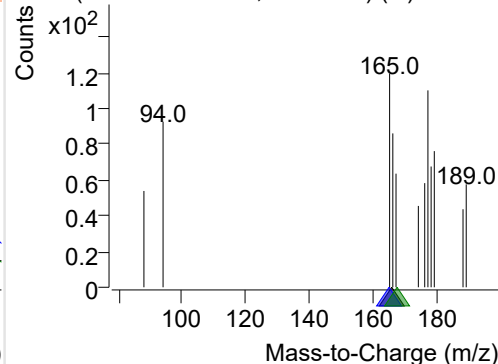
+ Selected Ion (166.0) 220607-PAHs-057.D



166.0, 165.0, 167.0

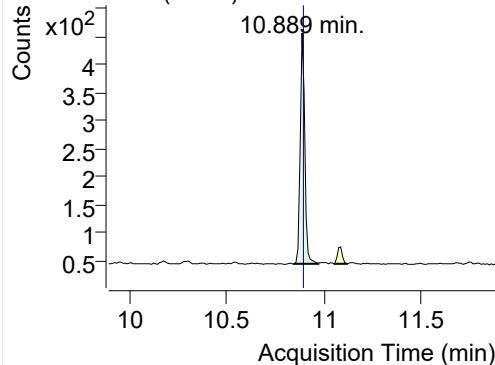


+ SIM (8.715-8.841 min, 13 scans) (**) 220607

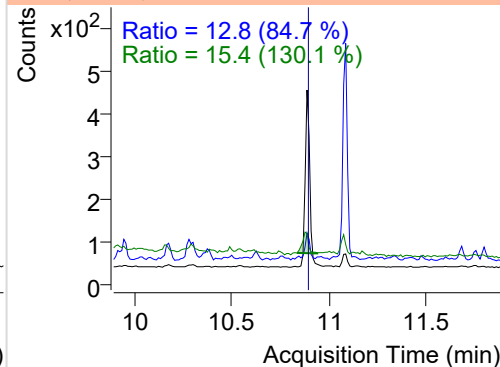


IS-D10-Phenanthrene

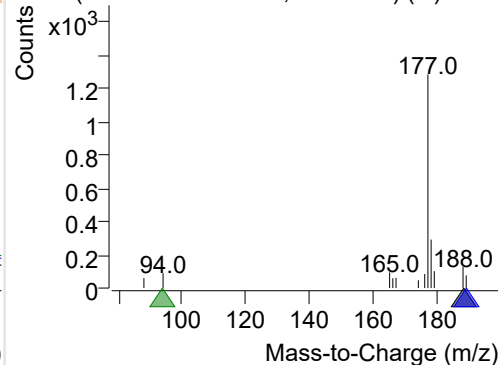
+ Selected Ion (188.0) 220607-PAHs-057.D



188.0, 189.0, 94.0

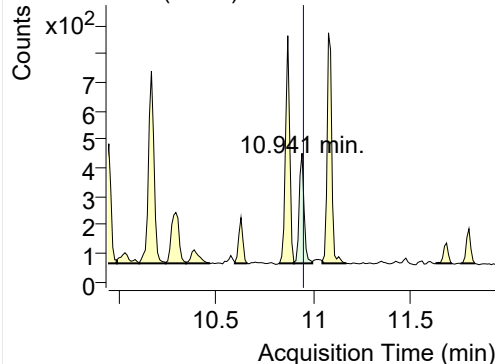


+ SIM (10.847-10.973 min, 13 scans) (**) 2206

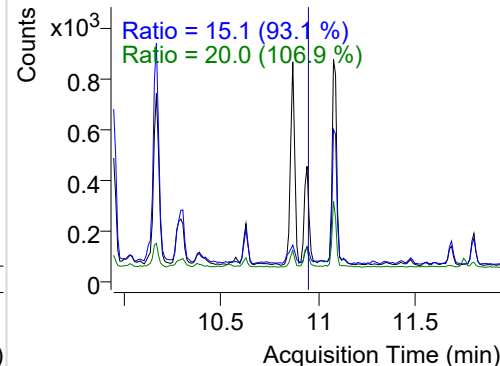


Phenanthrene

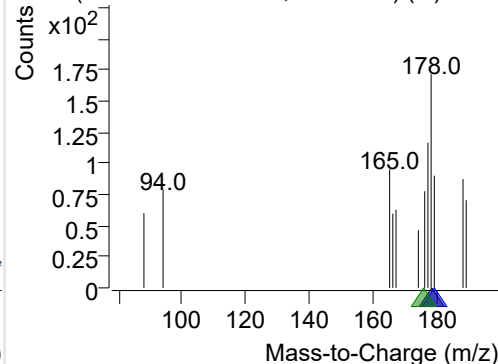
+ Selected Ion (178.0) 220607-PAHs-057.D



178.0, 179.0, 176.0

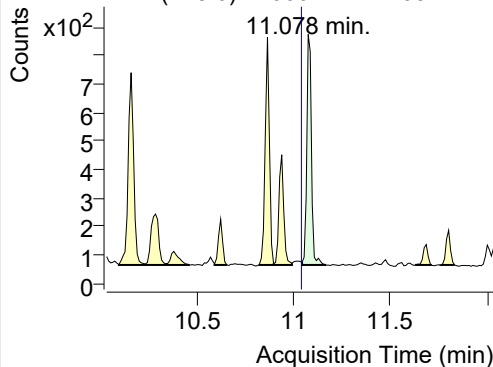


+ SIM (10.899-10.994 min, 10 scans) (**) 2206

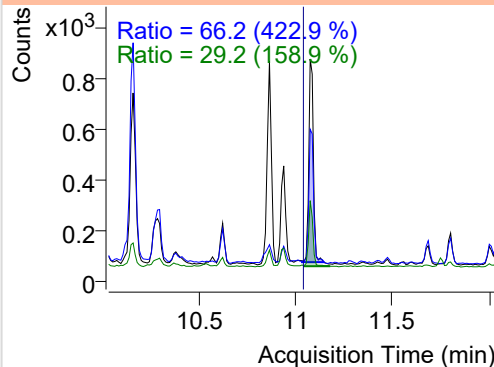


Anthracene

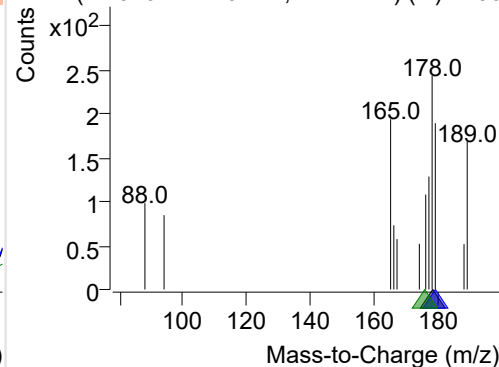
+ Selected Ion (178.0) 220607-PAHs-057.D



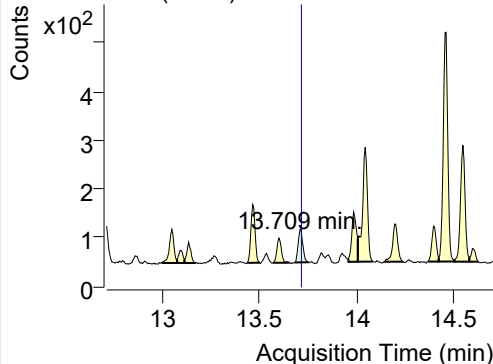
178.0, 179.0, 176.0



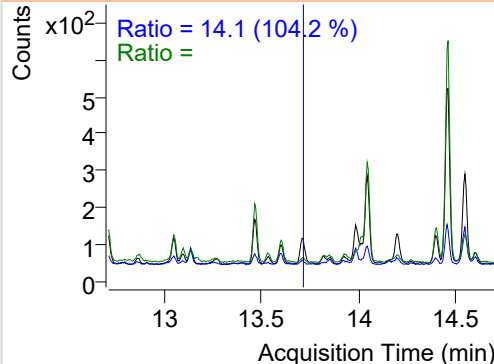
+ SIM (11.046-11.170 min, 12 scans) (**) 2206

**Fluoranthene**

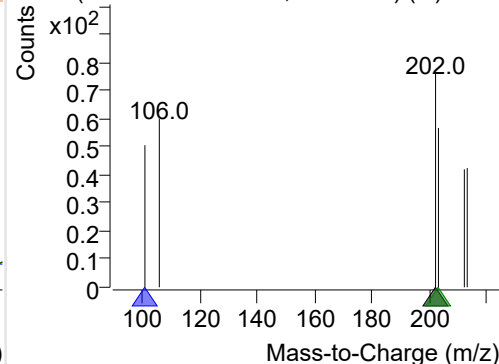
+ Selected Ion (202.0) 220607-PAHs-057.D



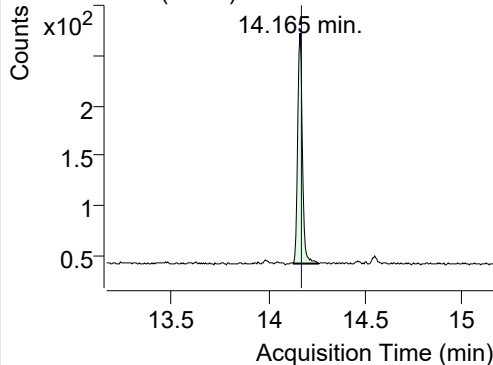
202.0, 101.0, 203.0



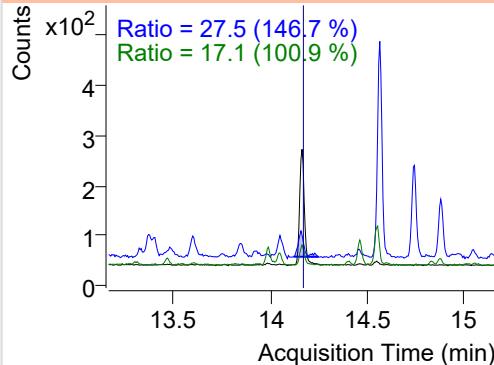
+ SIM (13.683-13.753 min, 13 scans) (**) 2206

**LSS-D10-Pyrene**

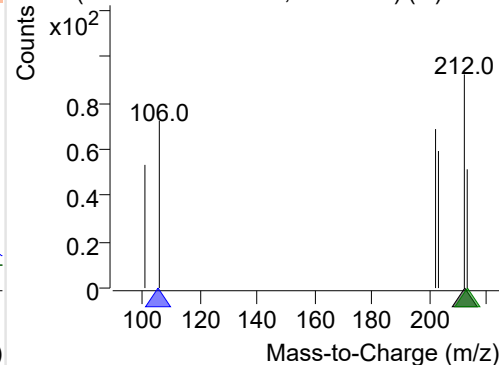
+ Selected Ion (212.0) 220607-PAHs-057.D



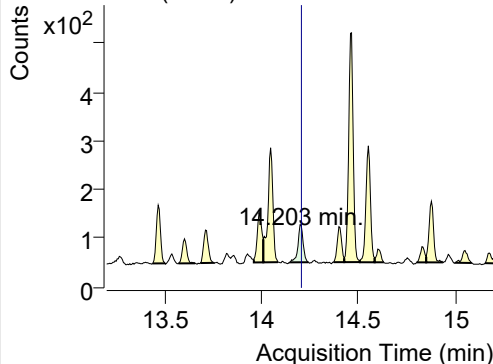
212.0, 106.0, 213.0



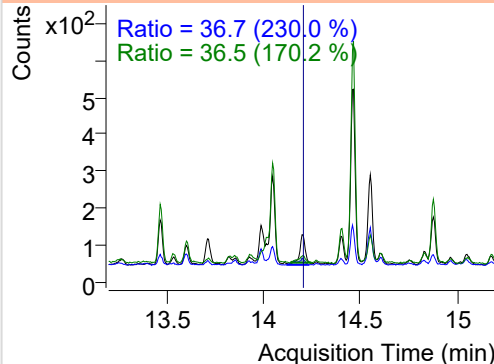
+ SIM (14.132-14.261 min, 24 scans) (**) 2206

**Pyrene**

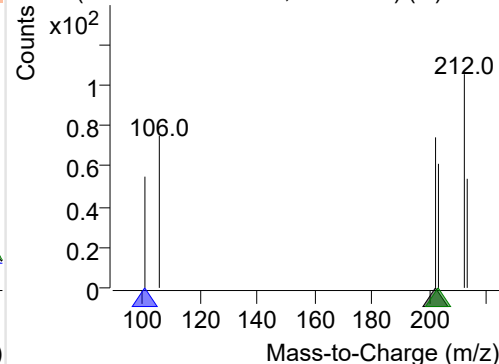
+ Selected Ion (202.0) 220607-PAHs-057.D



202.0, 101.0, 203.0



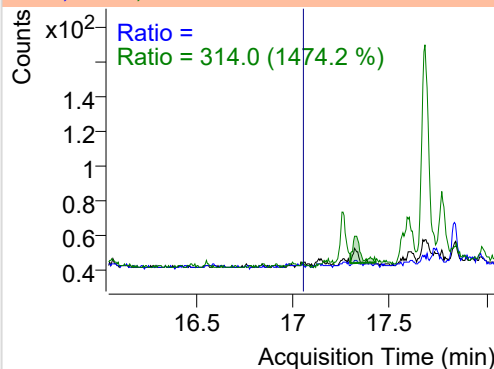
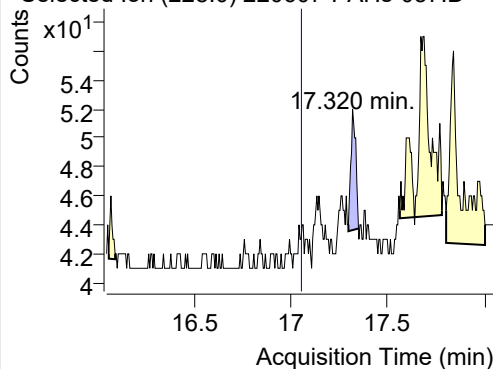
+ SIM (14.143-14.241 min, 19 scans) (**) 2206



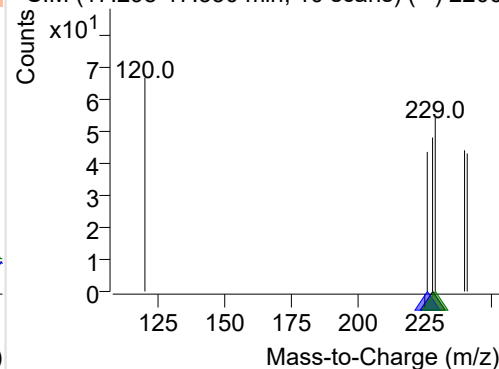
Benz(a)anthracene

+ Selected Ion (228.0) 220607-PAHs-057.D

228.0, 226.0, 229.0

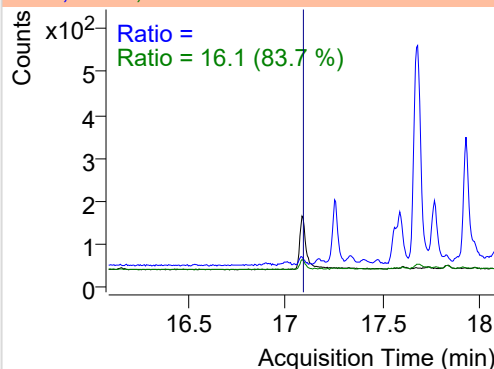
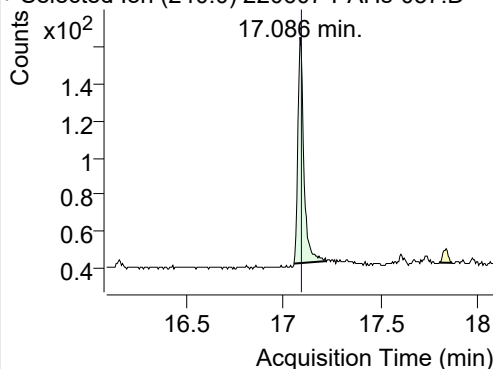


+ SIM (17.298-17.350 min, 10 scans) (**) 2206

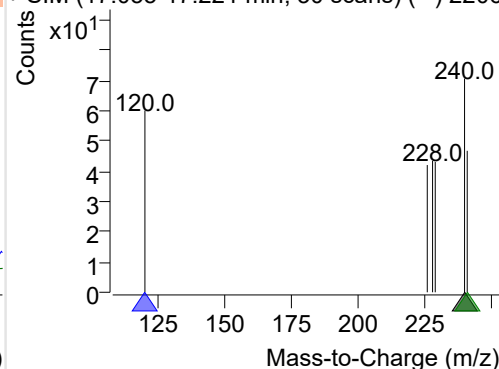
**IS-D12-Chrysene**

+ Selected Ion (240.0) 220607-PAHs-057.D

240.0, 120.0, 241.0

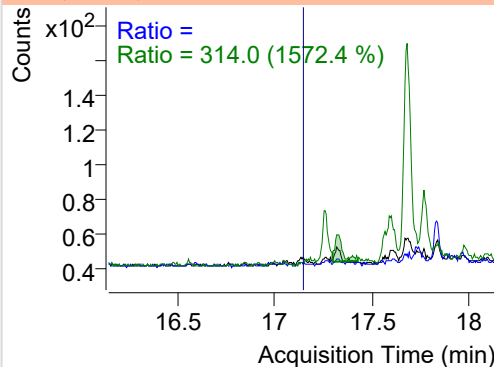
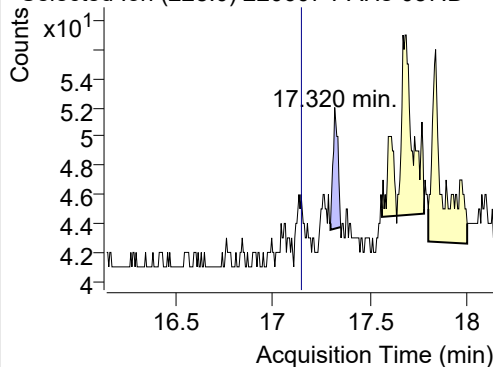


+ SIM (17.055-17.221 min, 30 scans) (**) 2206

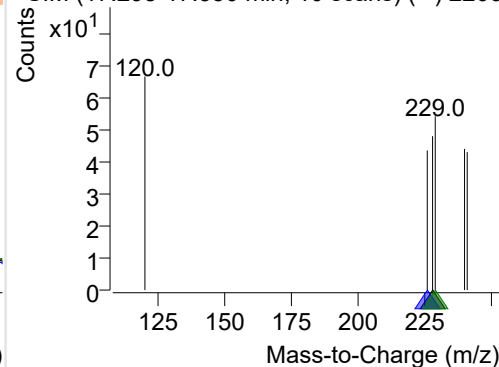
**Chrysene**

+ Selected Ion (228.0) 220607-PAHs-057.D

228.0, 226.0, 229.0

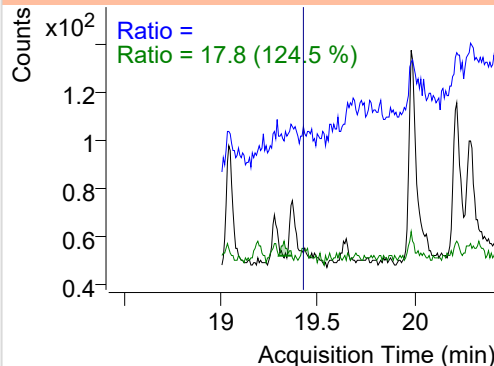
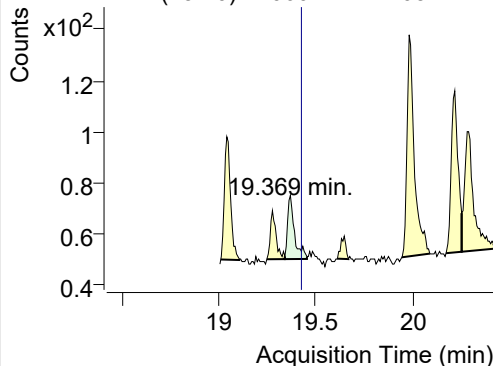


+ SIM (17.298-17.350 min, 10 scans) (**) 2206

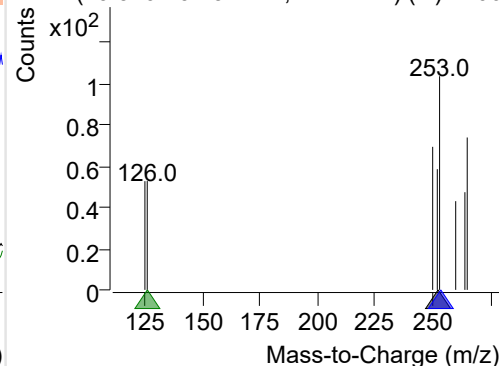
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 220607-PAHs-057.D

252.0, 253.0, 126.0



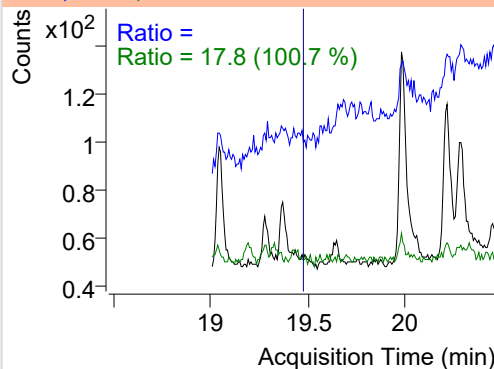
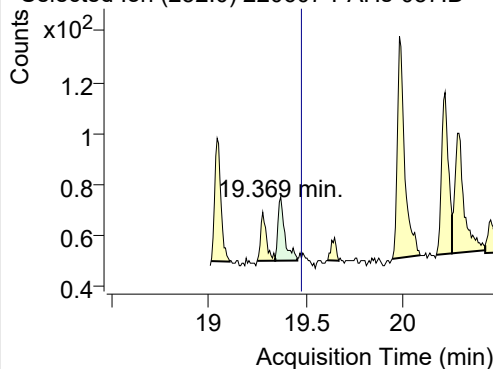
+ SIM (19.340-19.454 min, 17 scans) (**) 2206



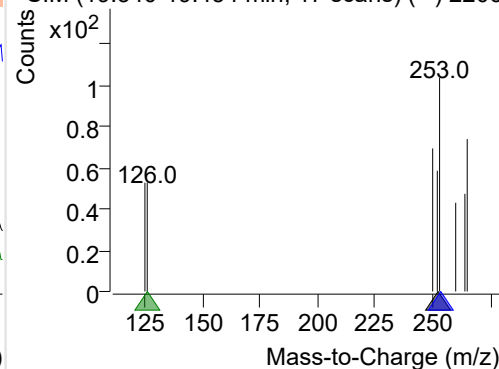
Benzo(k)fluoranthene

+ Selected Ion (252.0) 220607-PAHs-057.D

252.0, 253.0, 126.0

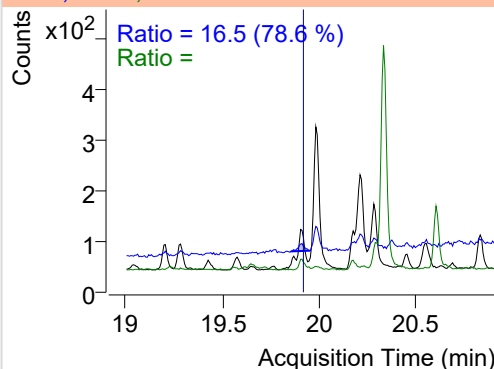
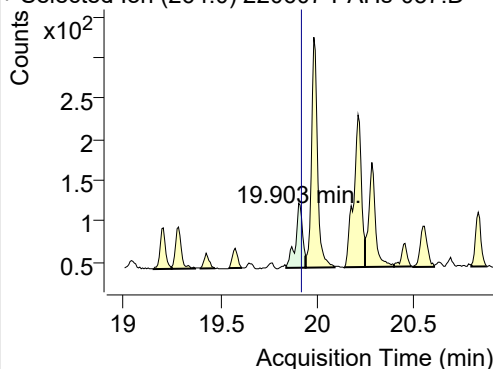


+ SIM (19.340-19.454 min, 17 scans) (**) 2206

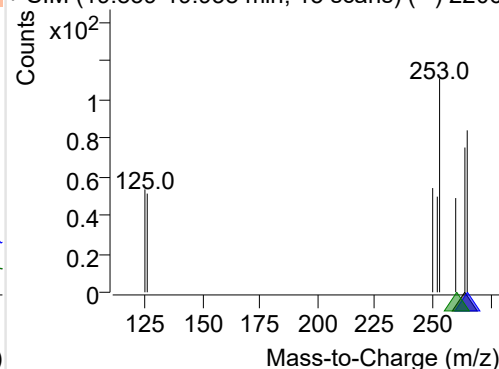
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 220607-PAHs-057.D

264.0, 265.0, 260.0

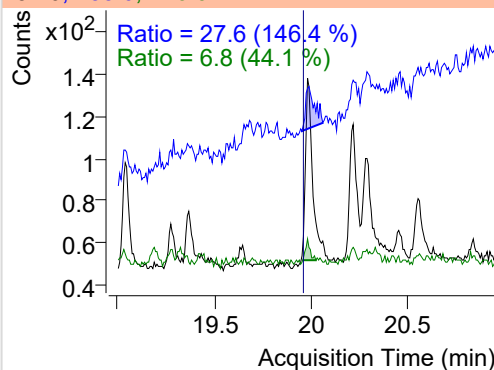
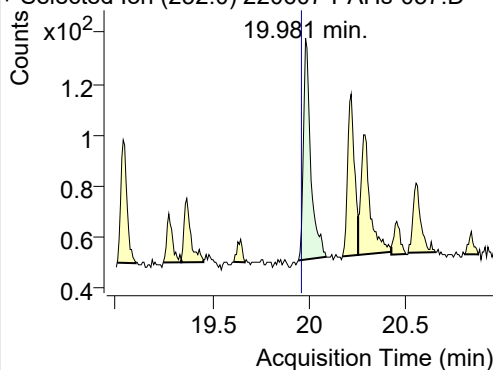


+ SIM (19.839-19.938 min, 15 scans) (**) 2206

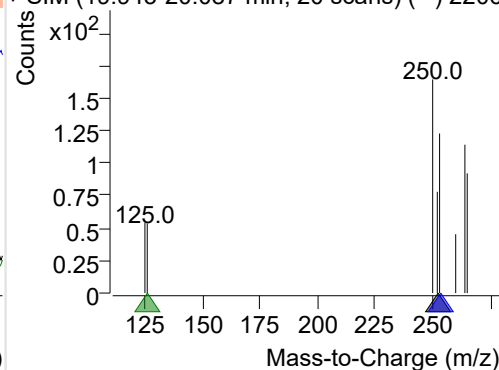
**Benzo(e)pyrene**

+ Selected Ion (252.0) 220607-PAHs-057.D

252.0, 253.0, 126.0

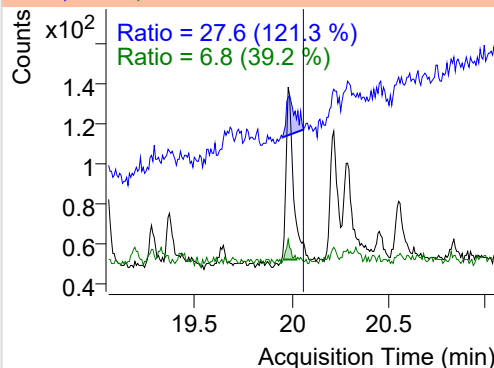
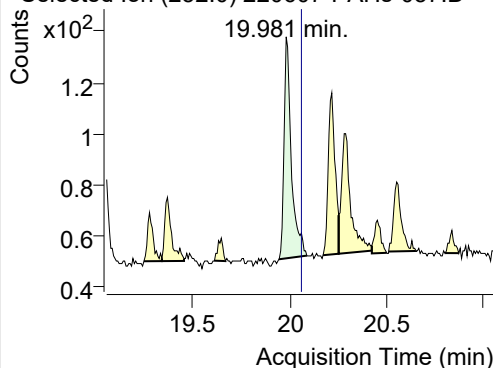


+ SIM (19.943-20.087 min, 20 scans) (**) 2206

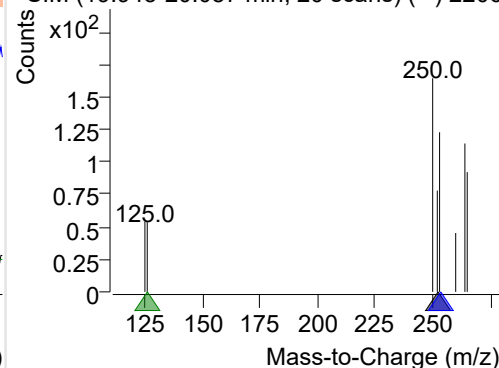
**Benzo(a)pyrene**

+ Selected Ion (252.0) 220607-PAHs-057.D

252.0, 253.0, 126.0



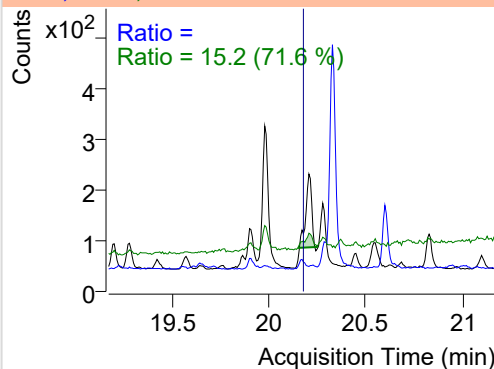
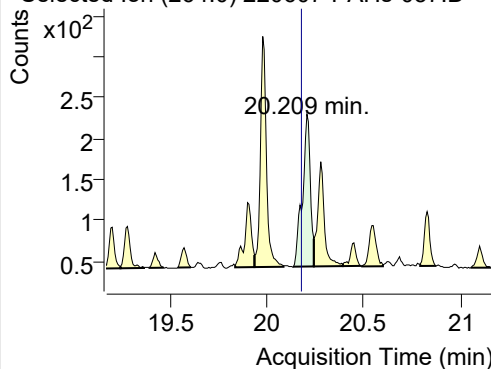
+ SIM (19.943-20.087 min, 20 scans) (**) 2206



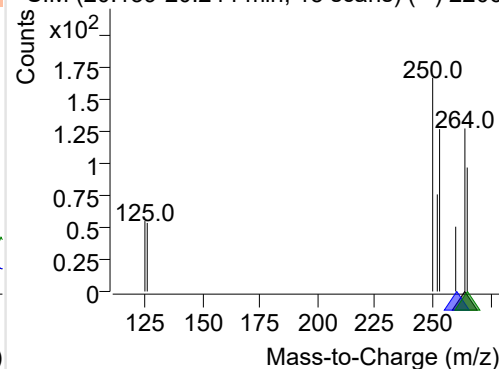
IS-D12-Perylene

+ Selected Ion (264.0) 220607-PAHs-057.D

264.0, 260.0, 265.0



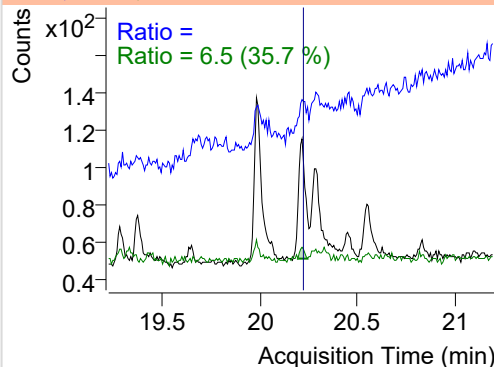
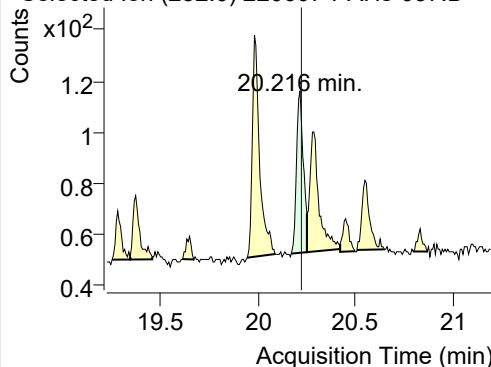
+ SIM (20.139-20.244 min, 15 scans) (**) 2206



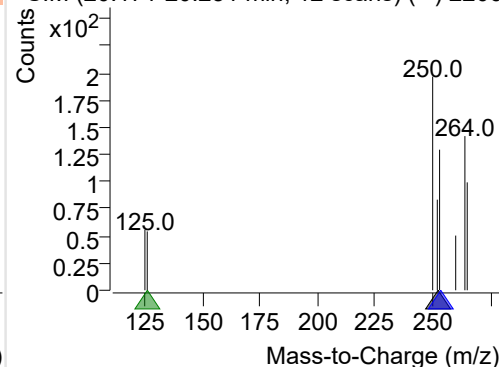
Perylene

+ Selected Ion (252.0) 220607-PAHs-057.D

252.0, 253.0, 126.0



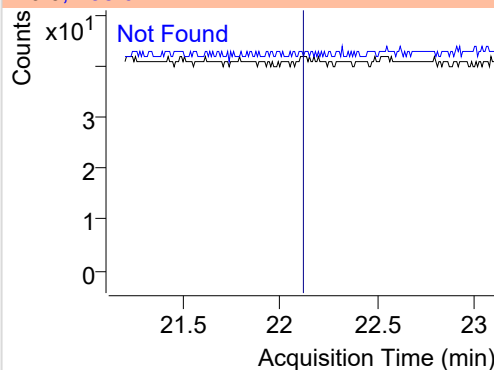
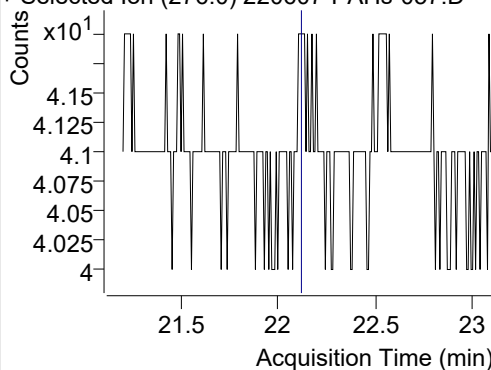
+ SIM (20.171-20.251 min, 12 scans) (**) 2206



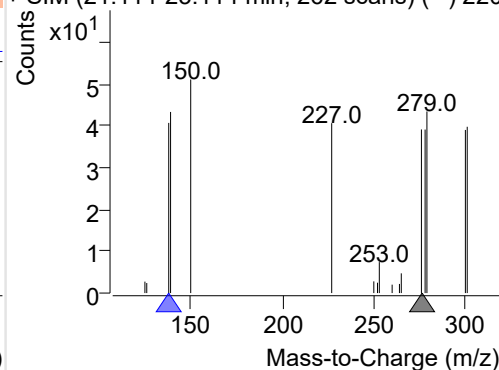
Indeno(1,2,3-c,d)pyrene

+ Selected Ion (276.0) 220607-PAHs-057.D

276.0, 138.0



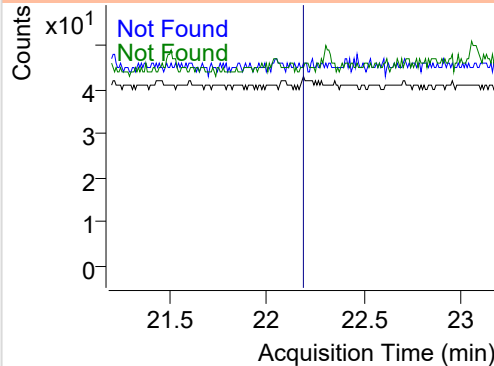
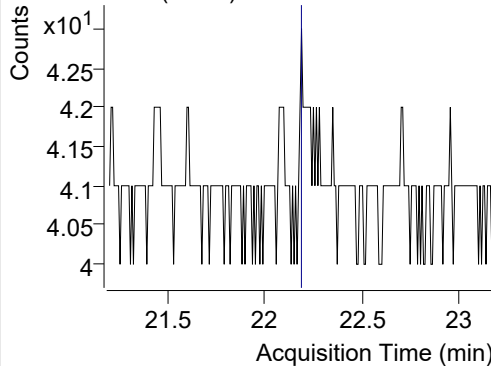
+ SIM (21.114-23.114 min, 262 scans) (**) 220



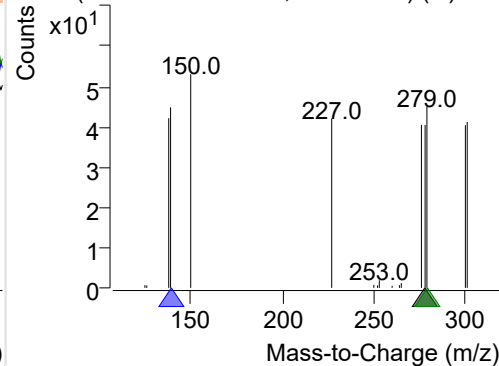
Dibenz(a,h)anthracene

+ Selected Ion (278.0) 220607-PAHs-057.D

278.0, 139.0, 279.0



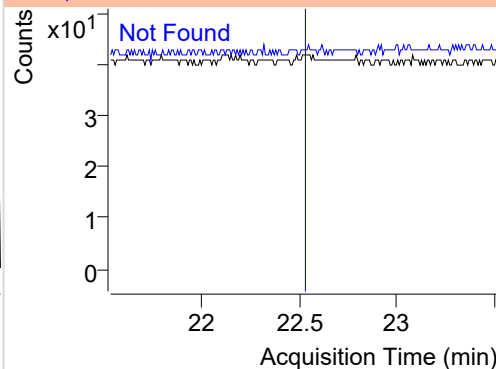
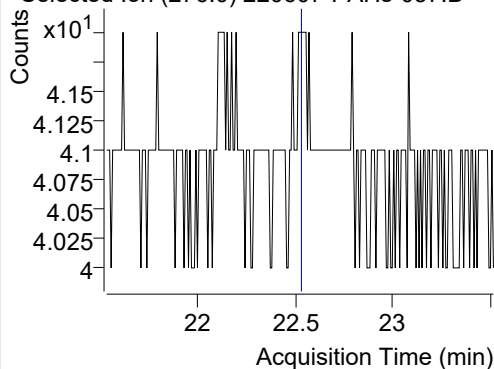
+ SIM (21.183-23.183 min, 262 scans) (**) 220



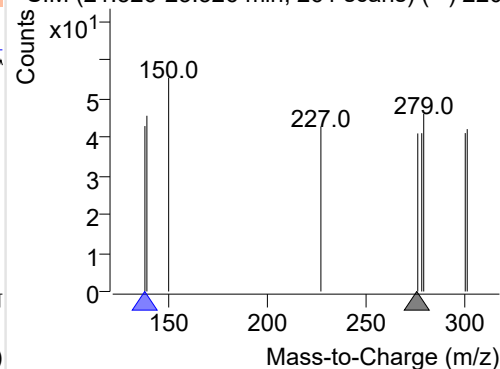
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 220607-PAHs-057.D

276.0, 138.0

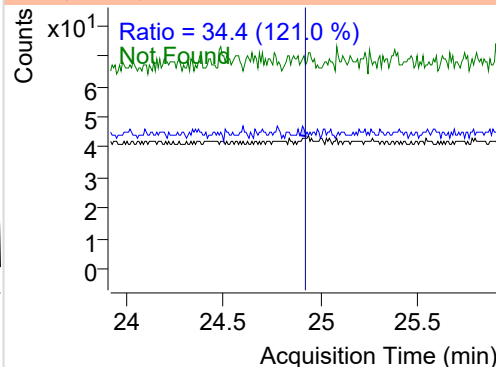
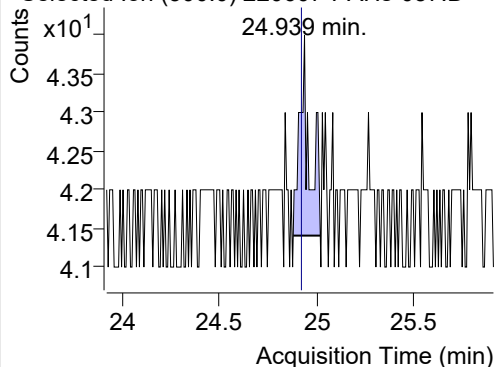


+ SIM (21.526-23.526 min, 261 scans) (**) 220

**Coronene**

+ Selected Ion (300.0) 220607-PAHs-057.D

300.0, 301.0, 150.0



+ SIM (24.881-25.020 min, 18 scans) (**) 2206

