

Quantitative Analysis Sample Based Report

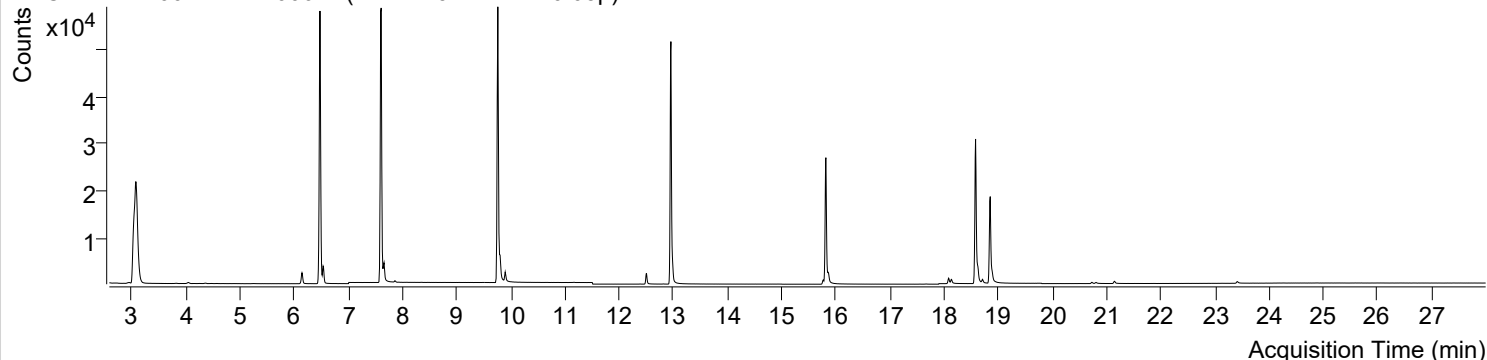


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 2:02:20	Data File	221007-PAHs-006.D
Type	Sample	Name	PAHs-19mix-STD-0.05p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

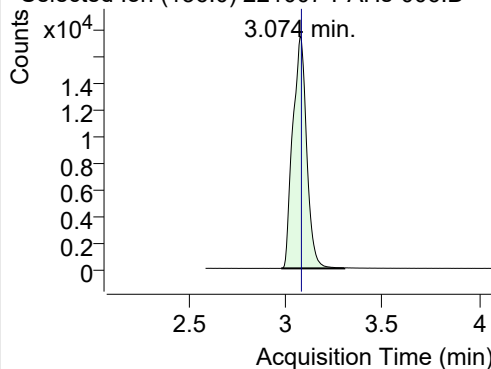
+ TIC SIM 221007-PAHs-006.D (PAHs-19mix-STD-0.05p)



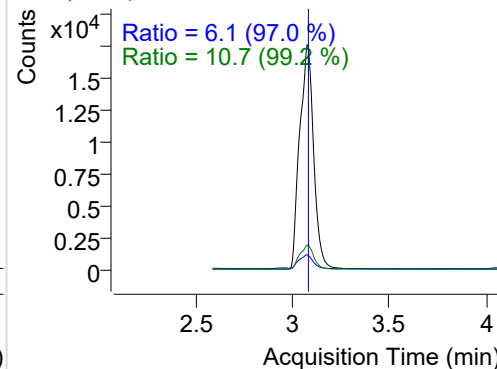
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	87292	17516.97	ND ng/ml	10.7
Naphthalene	3.101	128.0	5590	1144.22	ND ng/ml	13.0
Acenaphthylene	6.143	152.0	3483	1734.90	ND ng/ml	19.6
IS-D10-Acenaphthene	6.475	164.0	48815	27249.29	ND ng/ml	98.7
Acenaphthene	6.534	154.0	2327	1201.94	ND ng/ml	108.5
LSS-D10-Fluorene	7.606	176.0	49038	26409.39	ND ng/ml	95.8
Fluorene	7.659	166.0	2854	1586.17	ND ng/ml	92.5
IS-D10-Phenanthrene	9.759	188.0	79767	46590.08	ND ng/ml	15.0
Phenanthrene	9.801	178.0	4306	2461.00	ND ng/ml	19.0
Anthracene	9.896	178.0	2511	1303.67	ND ng/ml	20.0
Fluoranthene	12.505	202.0	3107	1717.19	ND ng/ml	17.0
LSS-D10-Pyrene	12.954	212.0	61069	38033.99	ND ng/ml	18.6
Pyrene	12.982	202.0	4270	2377.23	ND ng/ml	17.9
Benz(a)anthracene	15.768	228.0	1088	607.00	ND ng/ml	29.4
IS-D12-Chrysene	15.817	240.0	36167	20120.12	ND ng/ml	19.0
Chrysene	15.860	228.0	2204	1009.68	ND ng/ml	29.3
Benzo(b)fluoranthene	18.082	252.0	1229	659.32	ND ng/ml	21.7
Benzo(k)fluoranthene	18.132	252.0	1189	513.67	ND ng/ml	21.6
SS-D12-Benzo(e)pyrene	18.580	264.0	38442	20492.93	ND ng/ml	26.7
Benzo(e)pyrene	18.623	252.0	2424	1226.87	ND ng/ml	22.6
Benzo(a)pyrene	18.708	252.0	852	410.58	ND ng/ml	17.5
IS-D12-Perylene	18.851	264.0	24574	12401.50	ND ng/ml	25.1
Perylene	18.886	252.0	1611	695.95	ND ng/ml	20.1
Indeno(1,2,3-c,d)pyrene	20.728	276.0	450	207.07	ND ng/ml	20.7
Dibenz(a,h)anthracene	20.805	278.0	334	117.59	ND ng/ml	21.0
Benzo(g,h,i)perylene	21.148	276.0	874	365.53	ND ng/ml	23.1
Coronene	23.416	300.0	608	224.37	ND ng/ml	25.3

IS-D8-Naphthalene

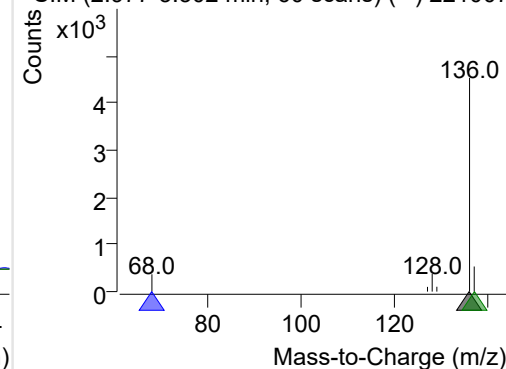
+ Selected Ion (136.0) 221007-PAHs-006.D



136.0, 68.0, 137.0

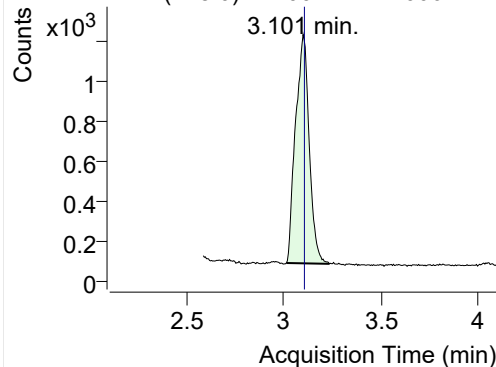


+ SIM (2.977-3.302 min, 60 scans) (**) 221007

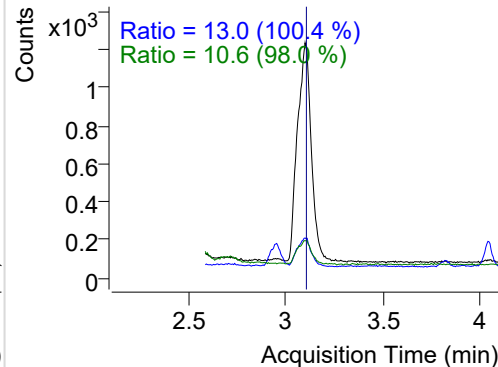


Naphthalene

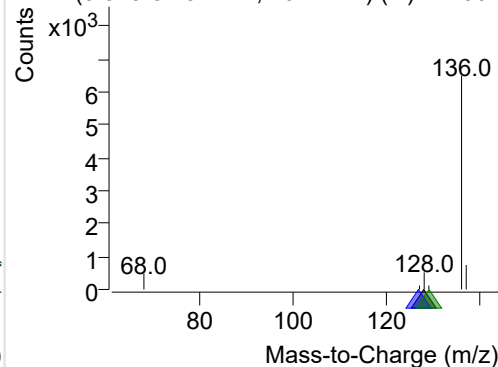
+ Selected Ion (128.0) 221007-PAHs-006.D



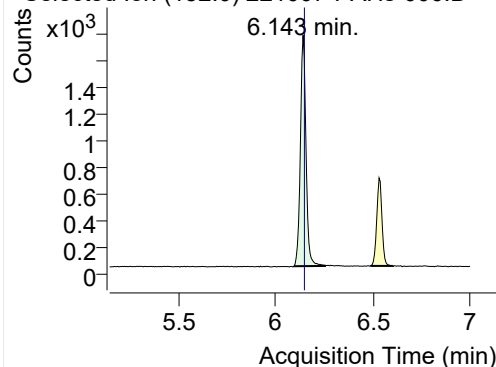
128.0, 127.0, 129.0



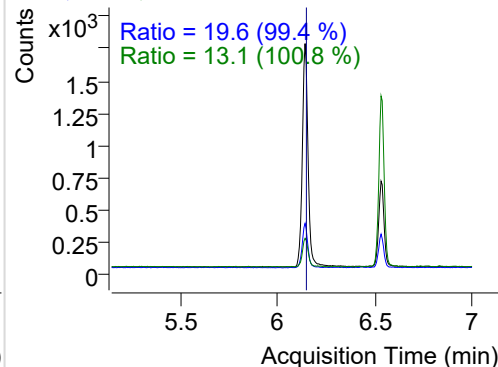
+ SIM (3.015-3.237 min, 40 scans) (**) 221007

**Acenaphthylene**

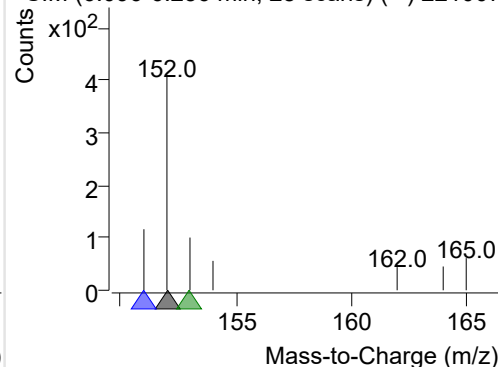
+ Selected Ion (152.0) 221007-PAHs-006.D



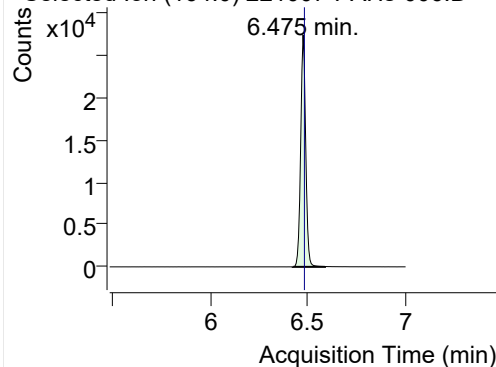
152.0, 151.0, 153.0



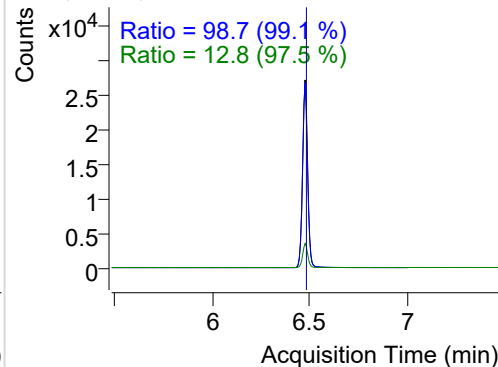
+ SIM (6.096-6.256 min, 28 scans) (**) 221007

**IS-D10-Acenaphthene**

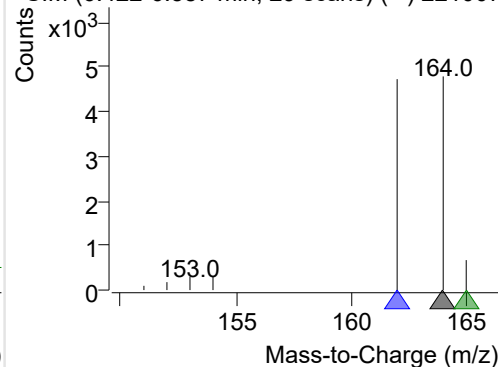
+ Selected Ion (164.0) 221007-PAHs-006.D



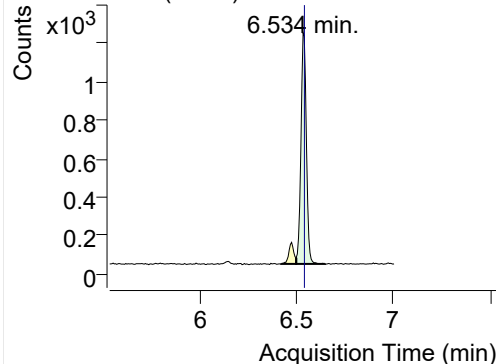
164.0, 162.0, 165.0



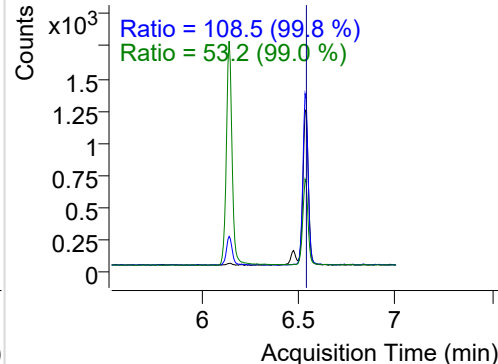
+ SIM (6.422-6.587 min, 29 scans) (**) 221007

**Acenaphthene**

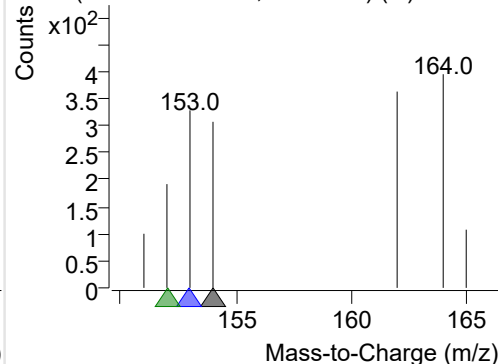
+ Selected Ion (154.0) 221007-PAHs-006.D



154.0, 153.0, 152.0

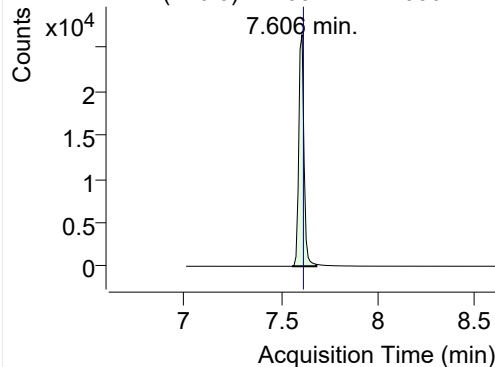


+ SIM (6.499-6.647 min, 26 scans) (**) 221007

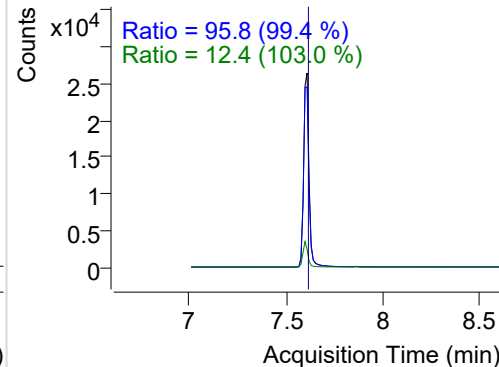


LSS-D10-Fluorene

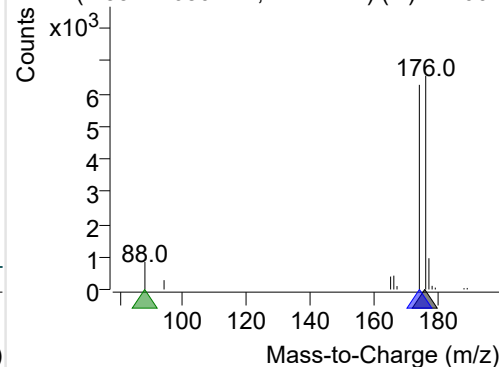
+ Selected Ion (176.0) 221007-PAHs-006.D



176.0, 174.0, 88.0

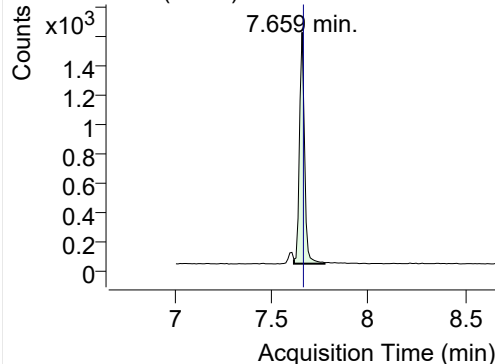


+ SIM (7.554-7.680 min, 12 scans) (**) 221007

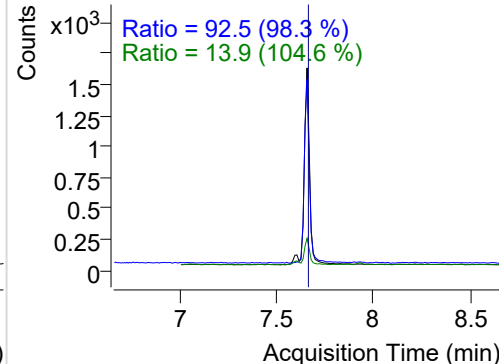


Fluorene

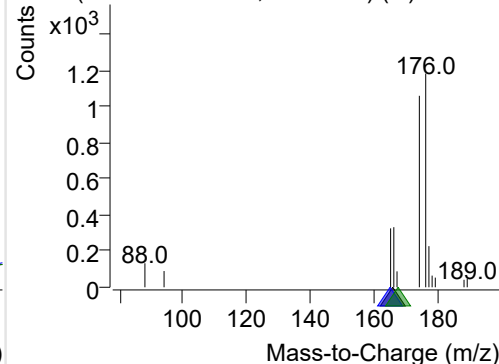
+ Selected Ion (166.0) 221007-PAHs-006.D



166.0, 165.0, 167.0

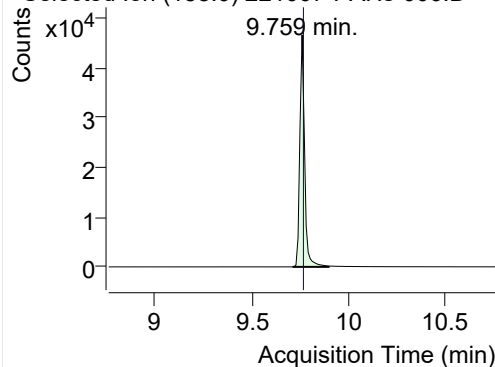


+ SIM (7.617-7.774 min, 16 scans) (**) 221007

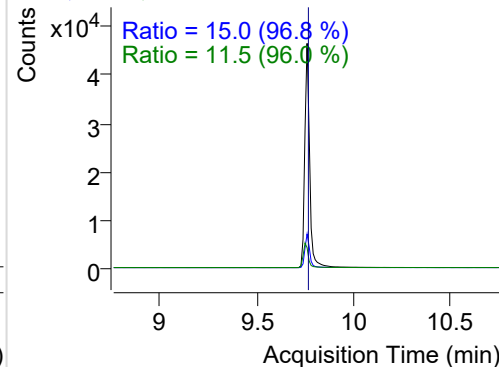


IS-D10-Phenanthrene

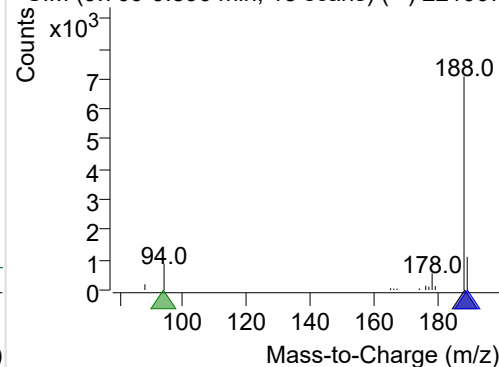
+ Selected Ion (188.0) 221007-PAHs-006.D



188.0, 189.0, 94.0

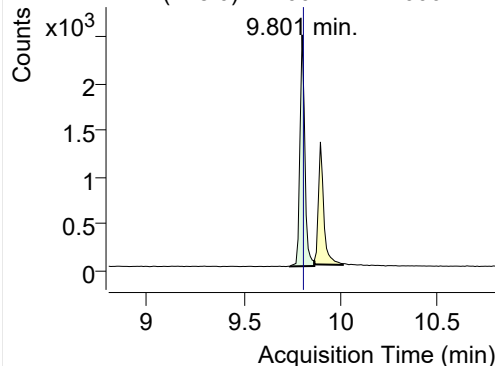


+ SIM (9.709-9.896 min, 18 scans) (**) 221007

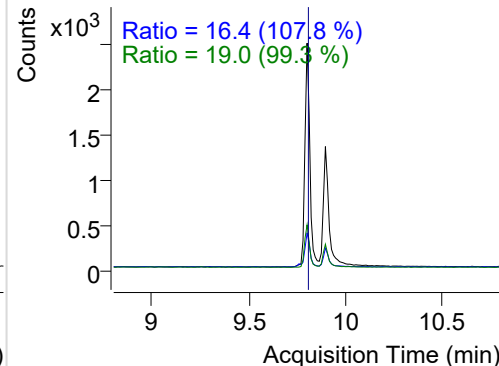


Phenanthrene

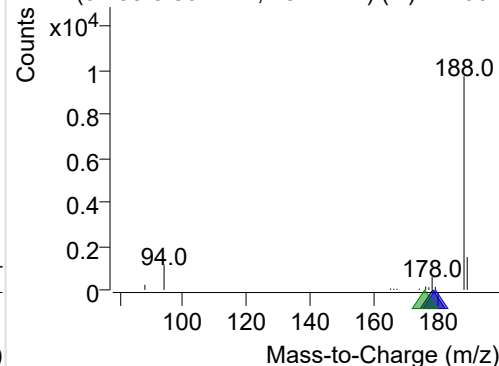
+ Selected Ion (178.0) 221007-PAHs-006.D



178.0, 179.0, 176.0

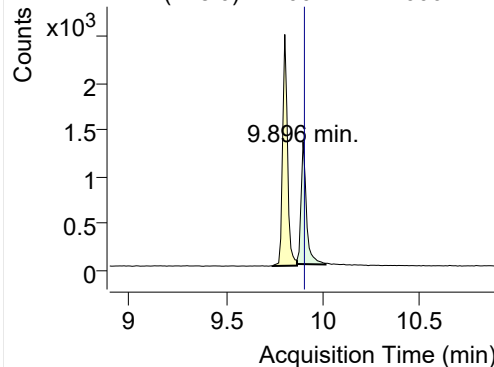


+ SIM (9.738-9.864 min, 13 scans) (**) 221007

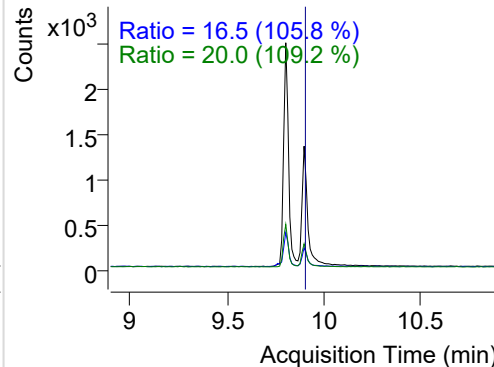


Anthracene

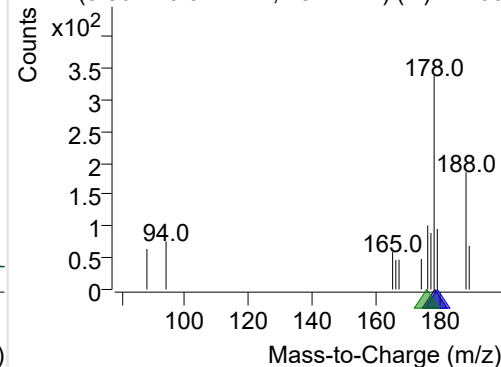
+ Selected Ion (178.0) 221007-PAHs-006.D



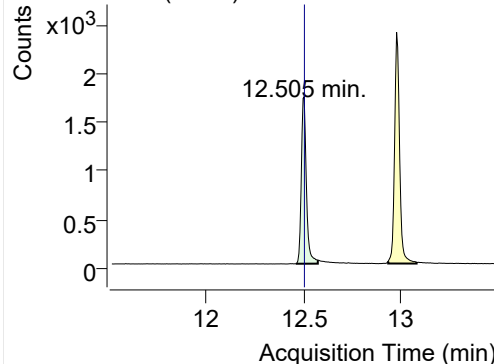
178.0, 179.0, 176.0



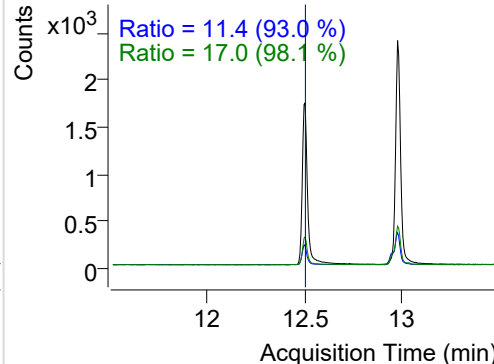
+ SIM (9.864-10.011 min, 15 scans) (**) 22100

**Fluoranthene**

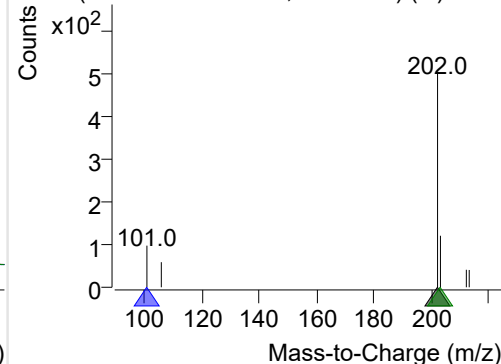
+ Selected Ion (202.0) 221007-PAHs-006.D



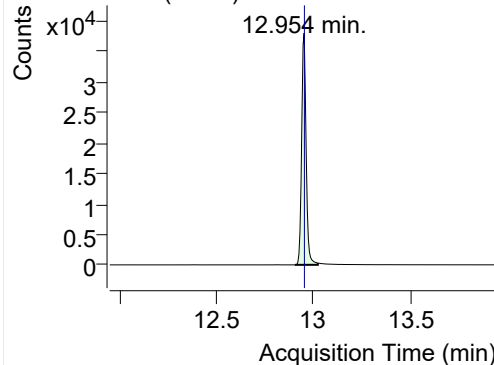
202.0, 101.0, 203.0



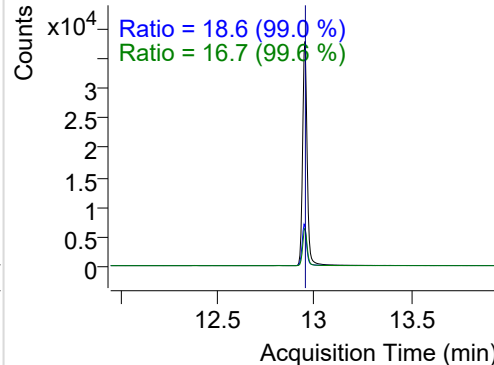
+ SIM (12.462-12.575 min, 21 scans) (**) 2210

**LSS-D10-Pyrene**

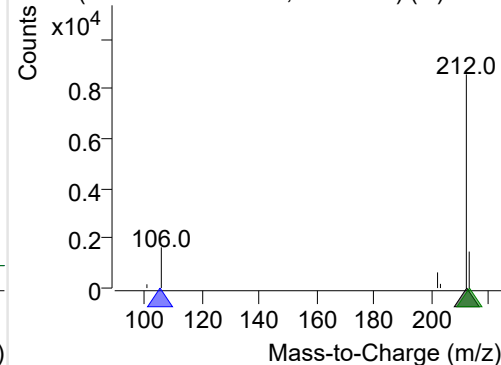
+ Selected Ion (212.0) 221007-PAHs-006.D



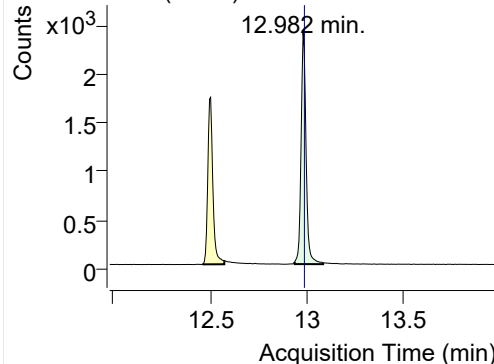
212.0, 106.0, 213.0



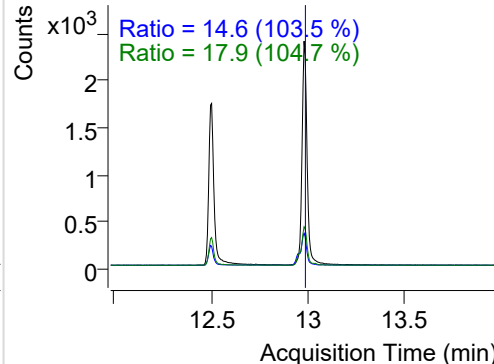
+ SIM (12.907-13.025 min, 22 scans) (**) 2210

**Pyrene**

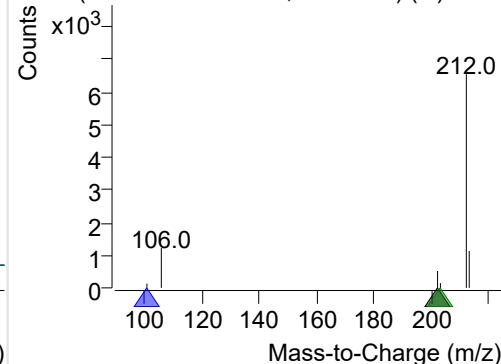
+ Selected Ion (202.0) 221007-PAHs-006.D



202.0, 101.0, 203.0

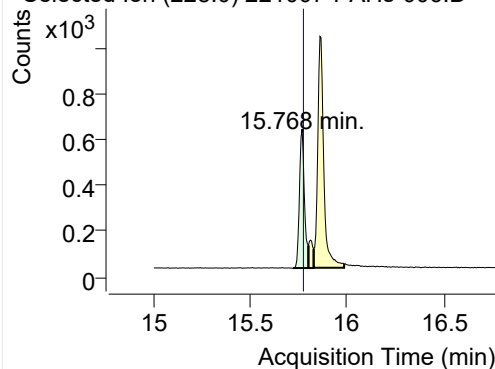


+ SIM (12.938-13.085 min, 28 scans) (**) 2210

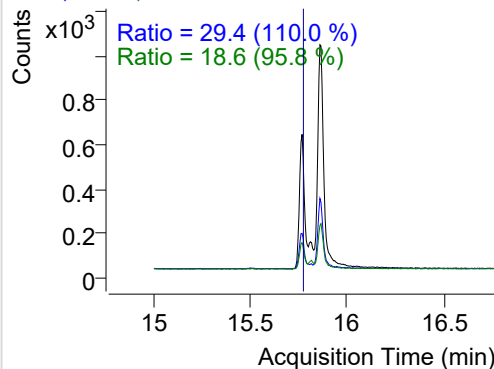


Benz(a)anthracene

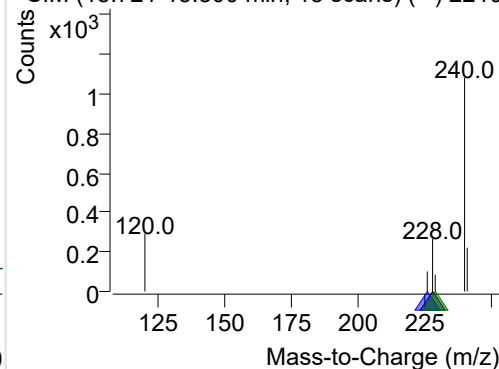
+ Selected Ion (228.0) 221007-PAHs-006.D



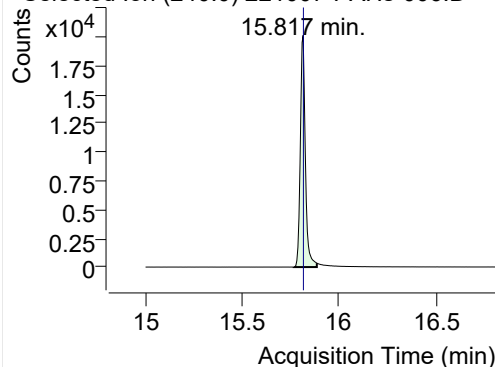
228.0, 226.0, 229.0



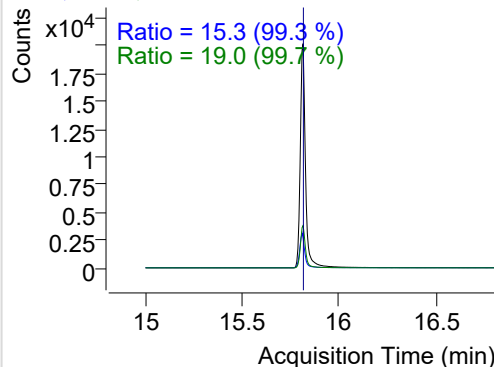
+ SIM (15.721-15.800 min, 15 scans) (**) 2210

**IS-D12-Chrysene**

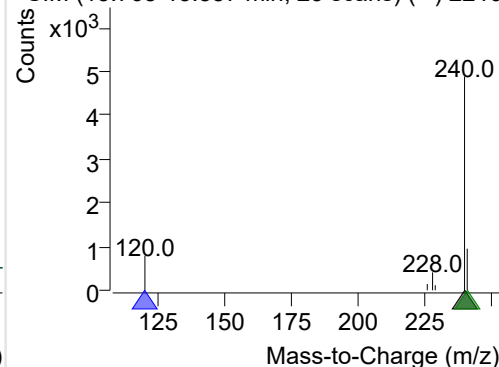
+ Selected Ion (240.0) 221007-PAHs-006.D



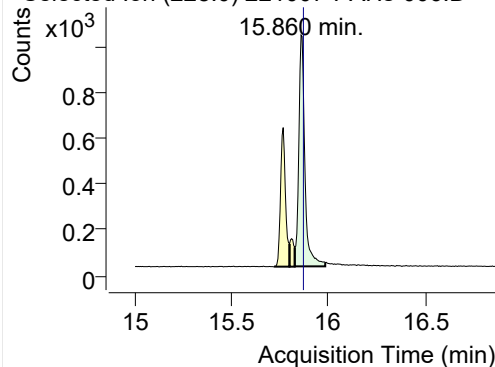
240.0, 120.0, 241.0



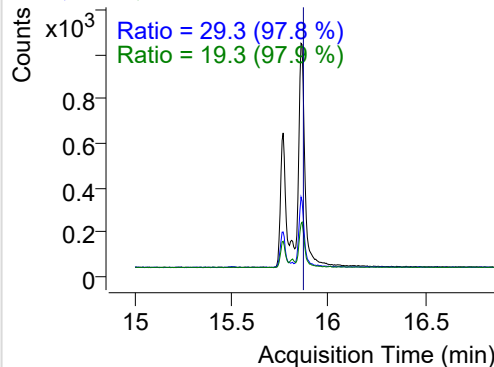
+ SIM (15.768-15.887 min, 23 scans) (**) 2210

**Chrysene**

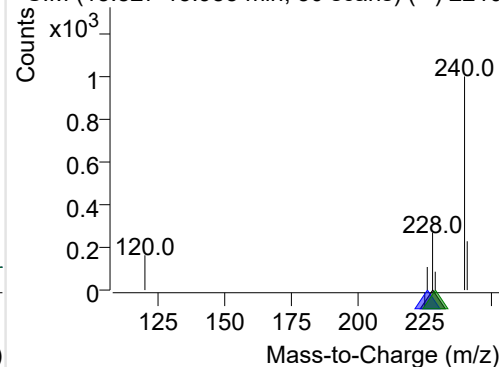
+ Selected Ion (228.0) 221007-PAHs-006.D



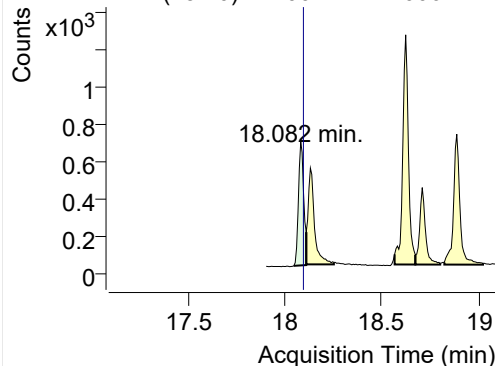
228.0, 226.0, 229.0



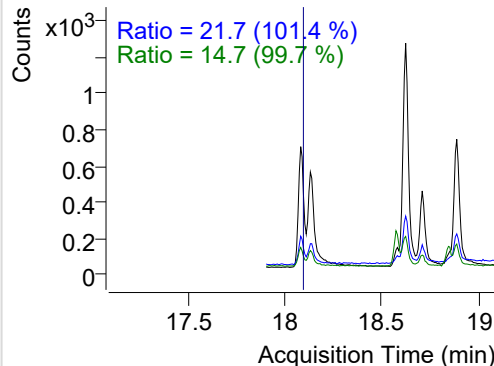
+ SIM (15.827-15.985 min, 30 scans) (**) 2210

**Benzo(b)fluoranthene**

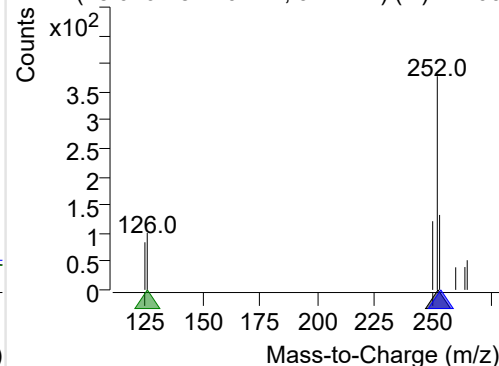
+ Selected Ion (252.0) 221007-PAHs-006.D



252.0, 253.0, 126.0

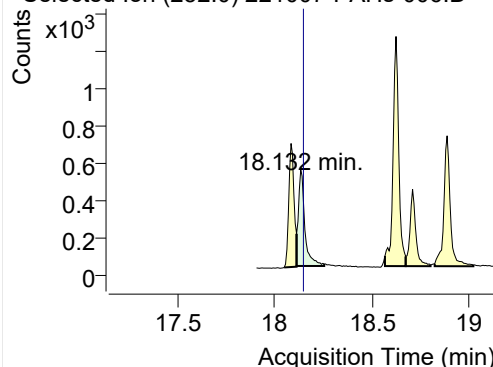


+ SIM (18.046-18.110 min, 9 scans) (**) 22100

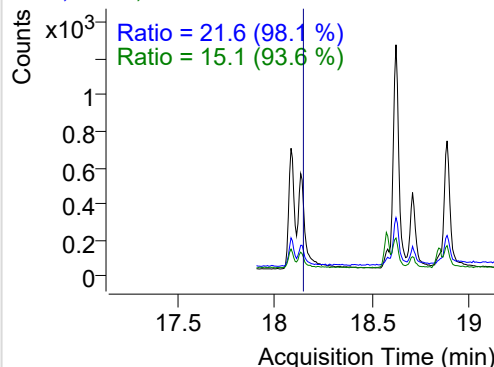


Benzo(k)fluoranthene

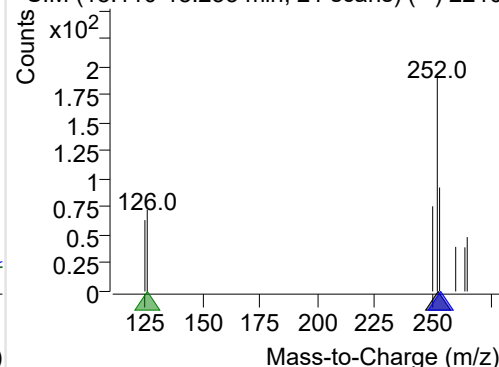
+ Selected Ion (252.0) 221007-PAHs-006.D



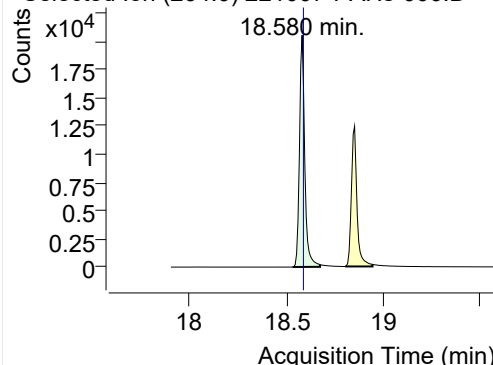
252.0, 253.0, 126.0



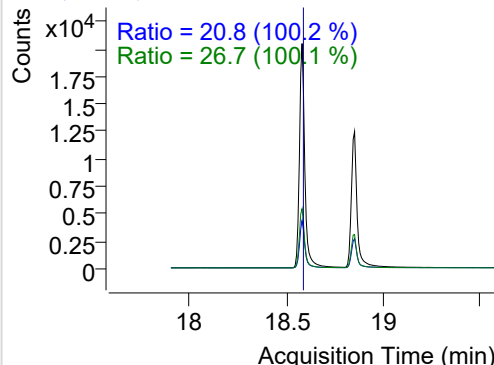
+ SIM (18.110-18.253 min, 21 scans) (**) 2210

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

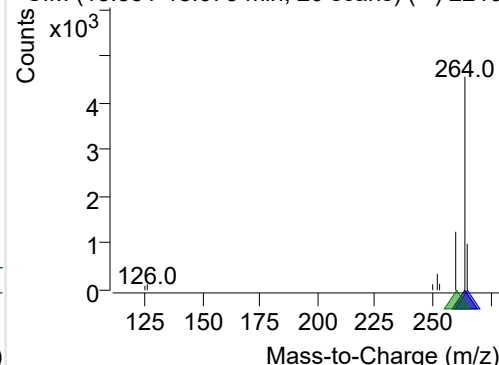
+ Selected Ion (264.0) 221007-PAHs-006.D



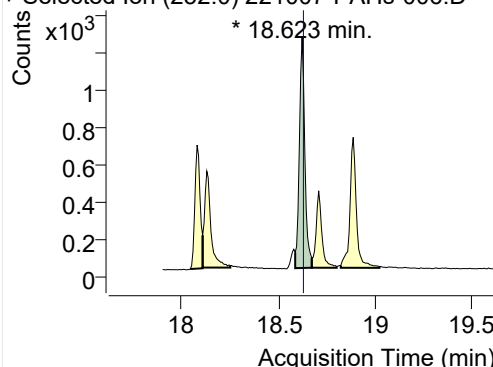
264.0, 265.0, 260.0



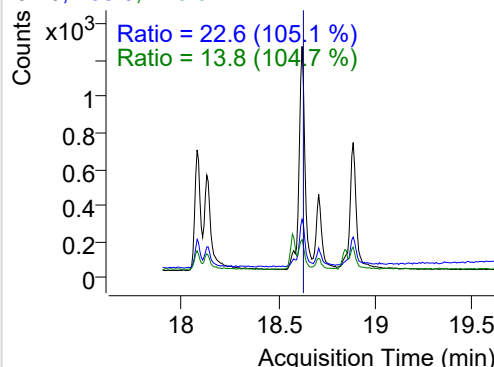
+ SIM (18.531-18.673 min, 20 scans) (**) 2210

**Benzo(e)pyrene**

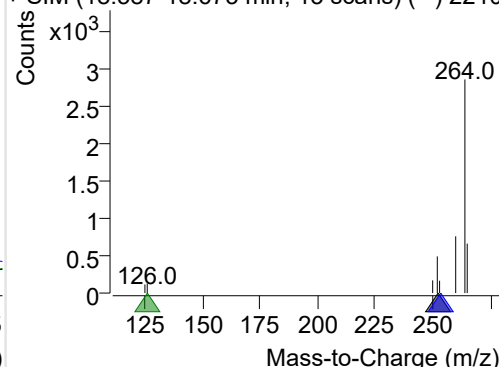
+ Selected Ion (252.0) 221007-PAHs-006.D



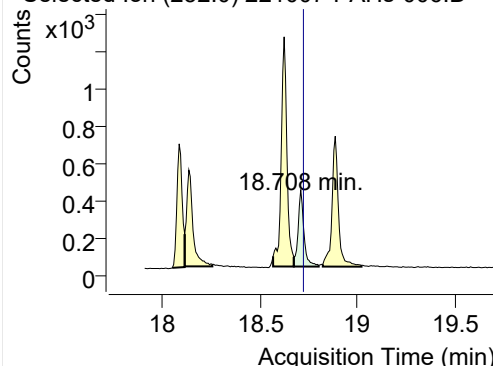
252.0, 253.0, 126.0



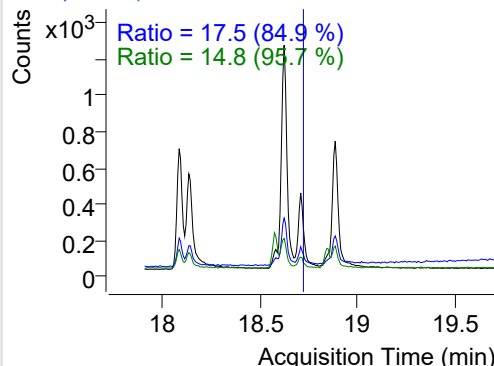
+ SIM (18.587-18.673 min, 13 scans) (**) 2210

**Benzo(a)pyrene**

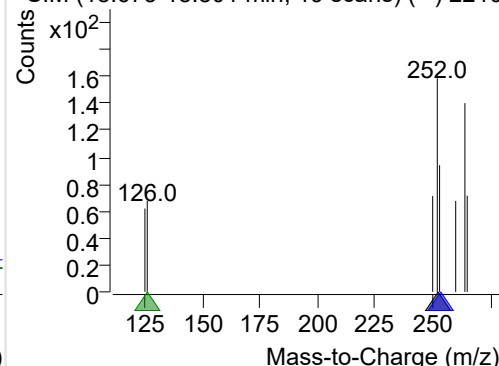
+ Selected Ion (252.0) 221007-PAHs-006.D



252.0, 253.0, 126.0

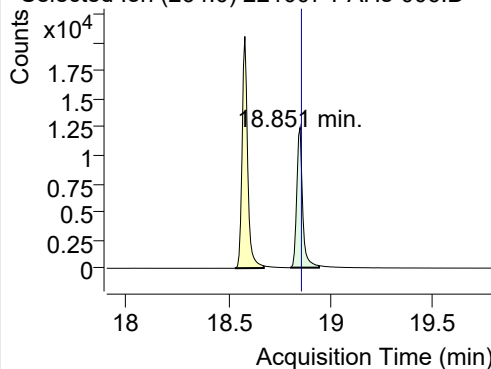


+ SIM (18.673-18.801 min, 19 scans) (**) 2210

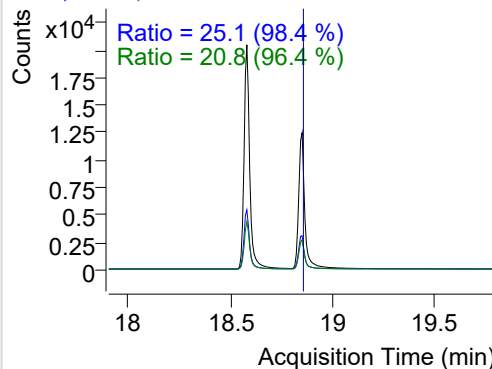


IS-D12-Perylene

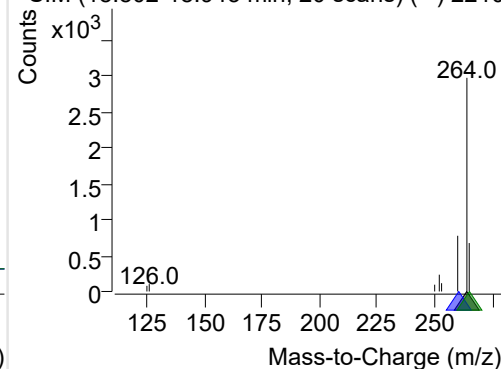
+ Selected Ion (264.0) 221007-PAHs-006.D



264.0, 260.0, 265.0

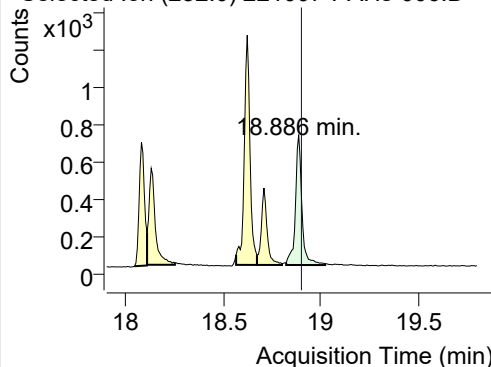


+ SIM (18.802-18.943 min, 20 scans) (**) 2210

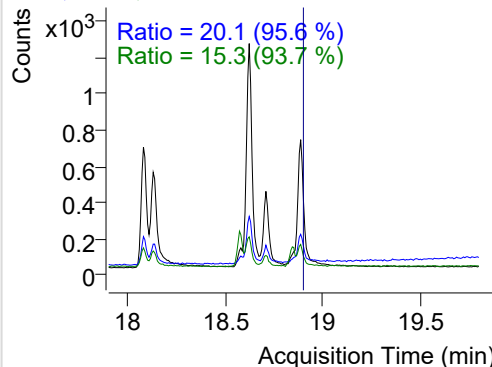


Perylene

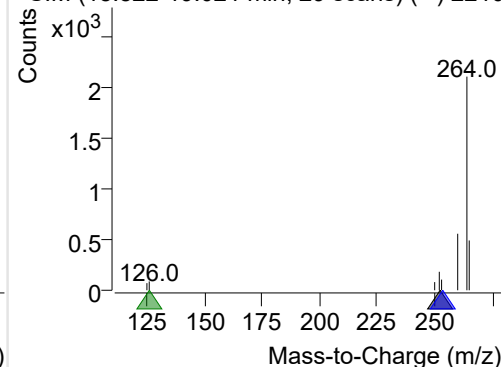
+ Selected Ion (252.0) 221007-PAHs-006.D



252.0, 253.0, 126.0

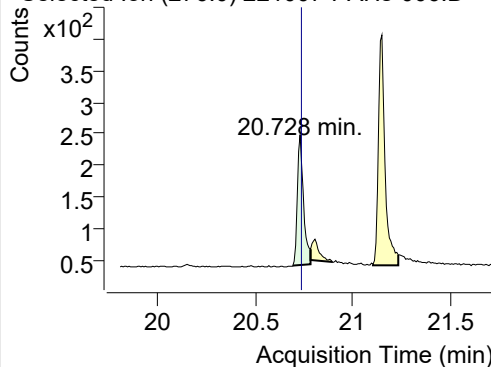


+ SIM (18.822-19.021 min, 29 scans) (**) 2210

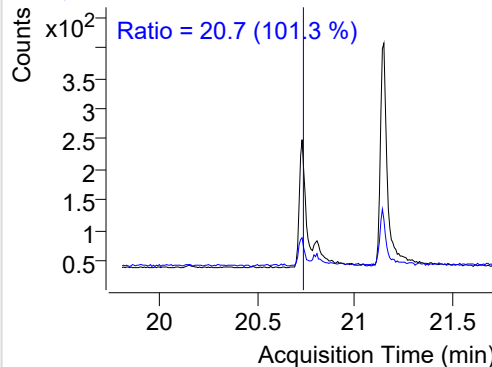


Indeno(1,2,3-c,d)pyrene

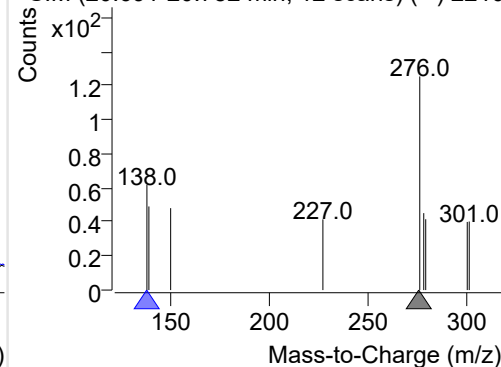
+ Selected Ion (276.0) 221007-PAHs-006.D



276.0, 138.0

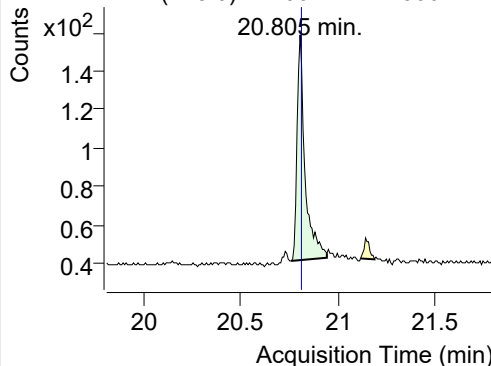


+ SIM (20.691-20.782 min, 12 scans) (**) 2210

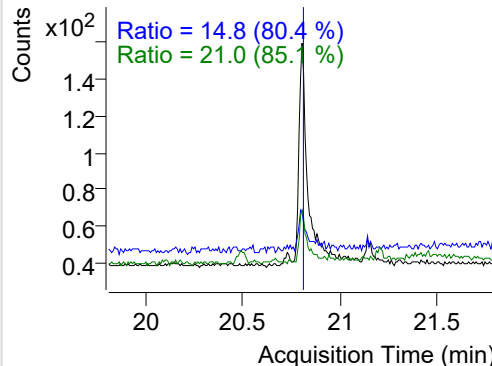


Dibenz(a,h)anthracene

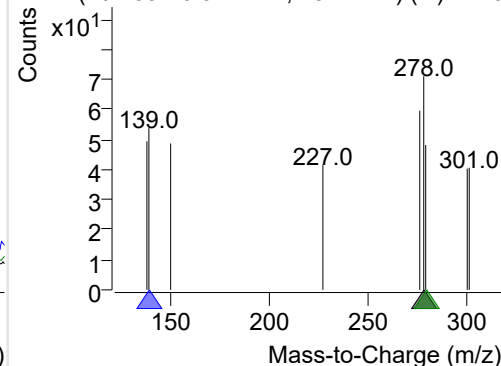
+ Selected Ion (278.0) 221007-PAHs-006.D



278.0, 139.0, 279.0

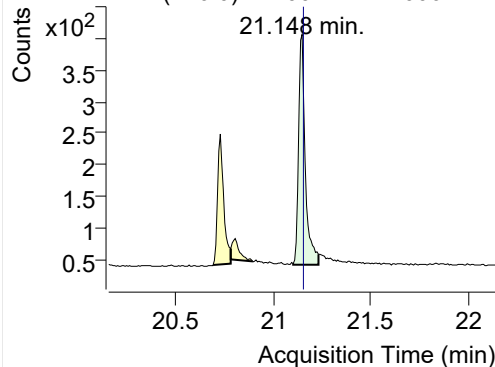


+ SIM (20.759-20.942 min, 25 scans) (**) 2210

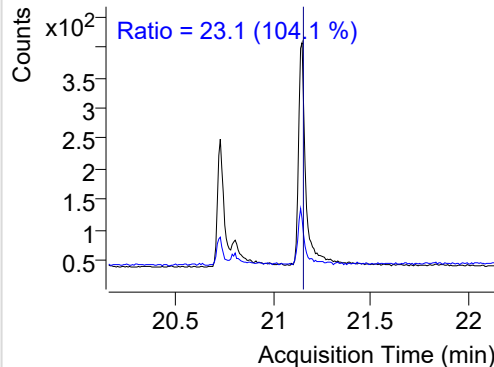


Benzo(g,h,i)perylene

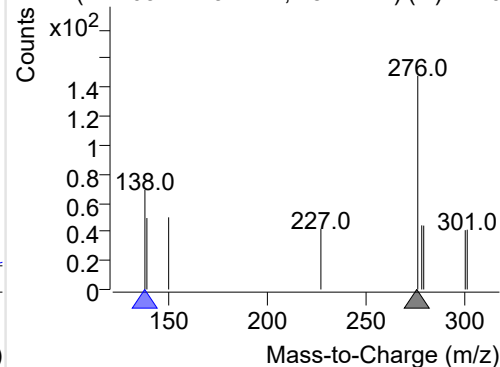
+ Selected Ion (276.0) 221007-PAHs-006.D



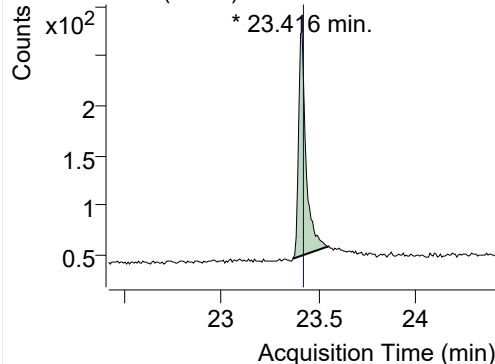
276.0, 138.0



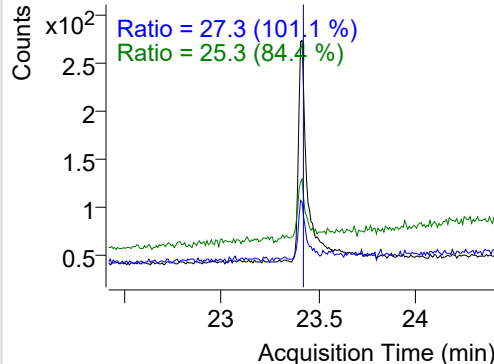
+ SIM (21.103-21.232 min, 18 scans) (**) 2210

**Coronene**

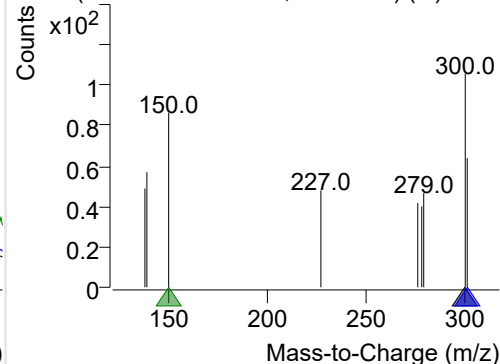
+ Selected Ion (300.0) 221007-PAHs-006.D



300.0, 301.0, 150.0



+ SIM (23.369-23.554 min, 25 scans) (**) 2210



Quantitative Analysis Sample Based Report

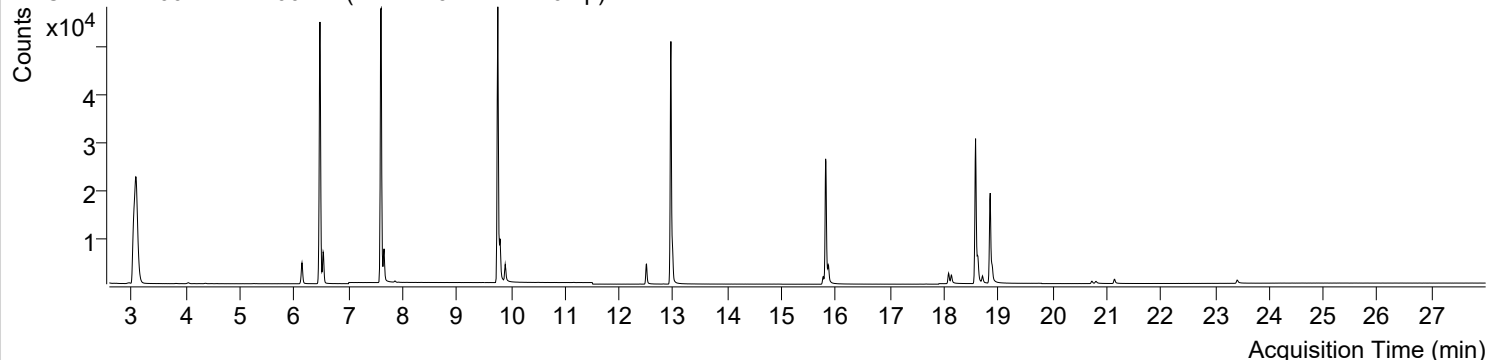


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 2:33:31	Data File	221007-PAHs-007.D
Type	Sample	Name	PAHs-19mix-STD-0.1p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

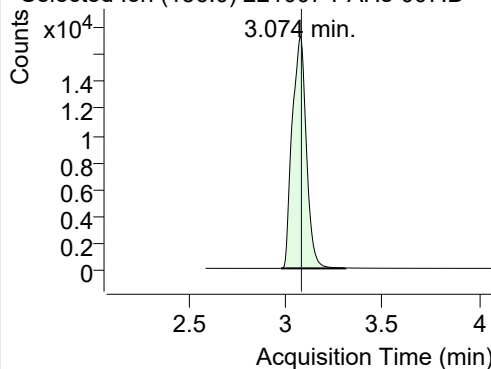
+ TIC SIM 221007-PAHs-007.D (PAHs-19mix-STD-0.1p)



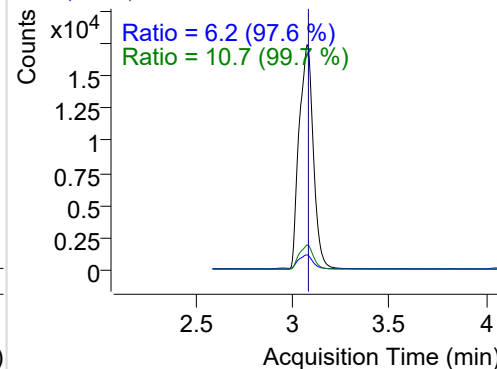
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	88016	17367.27	ND ng/ml	10.7
Naphthalene	3.101	128.0	10415	2084.14	ND ng/ml	12.9
Acenaphthylene	6.143	152.0	6617	3299.07	ND ng/ml	19.3
IS-D10-Acenaphthene	6.475	164.0	47298	25930.85	ND ng/ml	99.3
Acenaphthene	6.534	154.0	4300	2229.21	ND ng/ml	108.0
LSS-D10-Fluorene	7.606	176.0	47535	26264.72	ND ng/ml	96.8
Fluorene	7.659	166.0	5235	3028.26	ND ng/ml	94.4
IS-D10-Phenanthrene	9.759	188.0	77660	46390.99	ND ng/ml	14.9
Phenanthrene	9.801	178.0	8050	4746.89	ND ng/ml	19.7
Anthracene	9.895	178.0	4706	2332.86	ND ng/ml	19.6
Fluoranthene	12.505	202.0	5963	3253.01	ND ng/ml	16.9
LSS-D10-Pyrene	12.954	212.0	58999	37671.57	ND ng/ml	18.6
Pyrene	12.982	202.0	7936	4428.33	ND ng/ml	19.6
Benz(a)anthracene	15.768	228.0	2303	1098.50	ND ng/ml	26.4
IS-D12-Chrysene	15.811	240.0	36545	19383.24	ND ng/ml	18.7
Chrysene	15.865	228.0	4143	2057.09	ND ng/ml	29.4
Benzo(b)fluoranthene	18.082	252.0	2397	1283.99	ND ng/ml	21.1
Benzo(k)fluoranthene	18.132	252.0	2446	1050.33	ND ng/ml	20.8
SS-D12-Benzo(e)pyrene	18.580	264.0	38002	20327.43	ND ng/ml	26.8
Benzo(e)pyrene	18.623	252.0	4662	2326.08	ND ng/ml	21.1
Benzo(a)pyrene	18.708	252.0	1641	801.47	ND ng/ml	19.4
IS-D12-Perylene	18.851	264.0	24671	12733.79	ND ng/ml	24.9
Perylene	18.886	252.0	3102	1354.99	ND ng/ml	19.9
Indeno(1,2,3-c,d)pyrene	20.728	276.0	859	398.83	ND ng/ml	20.5
Dibenz(a,h)anthracene	20.805	278.0	689	237.61	ND ng/ml	23.9
Benzo(g,h,i)perylene	21.148	276.0	1629	709.25	ND ng/ml	23.3
Coronene	23.408	300.0	1228	428.77	ND ng/ml	24.4

IS-D8-Naphthalene

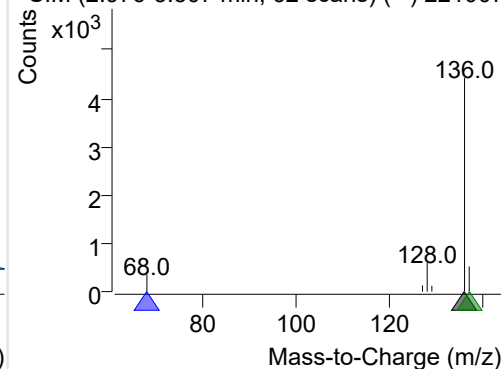
+ Selected Ion (136.0) 221007-PAHs-007.D



136.0, 68.0, 137.0

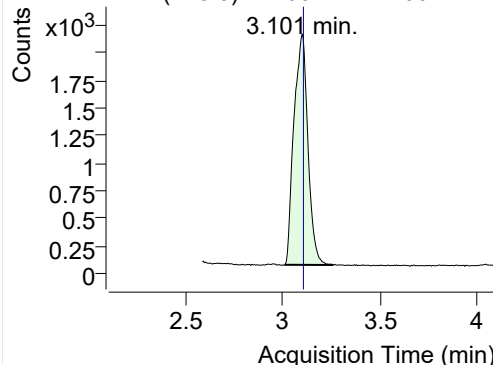


+ SIM (2.976-3.307 min, 62 scans) (**) 221007

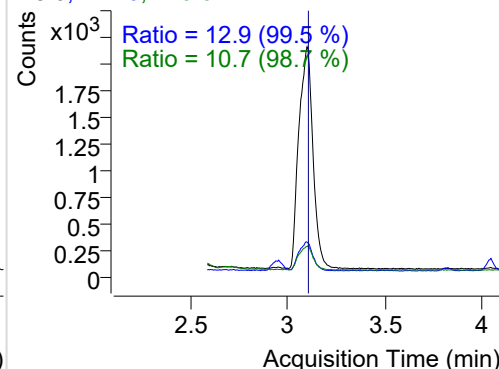


Naphthalene

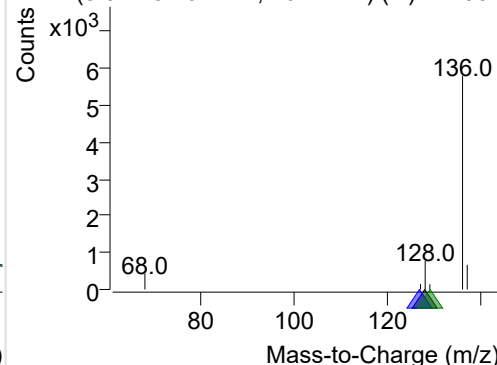
+ Selected Ion (128.0) 221007-PAHs-007.D



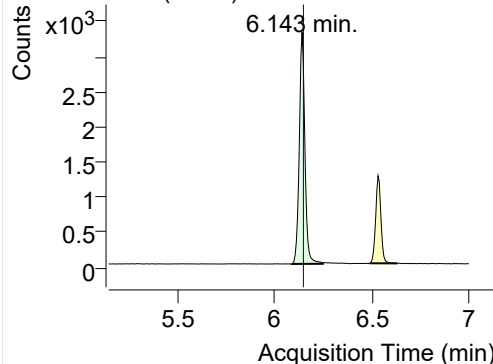
128.0, 127.0, 129.0



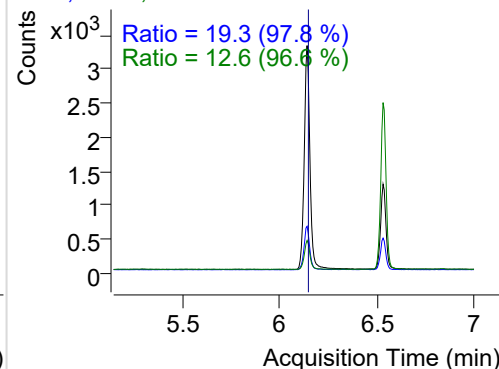
+ SIM (3.011-3.262 min, 46 scans) (**) 221007

**Acenaphthylene**

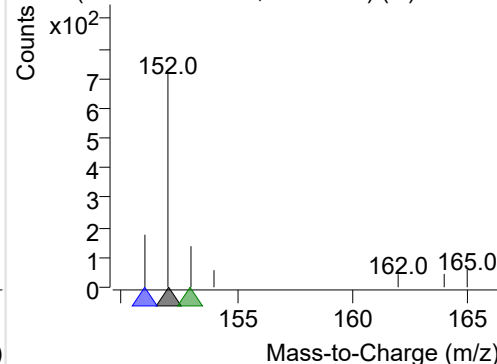
+ Selected Ion (152.0) 221007-PAHs-007.D



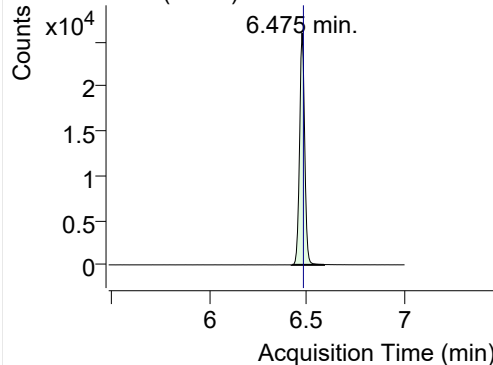
152.0, 151.0, 153.0



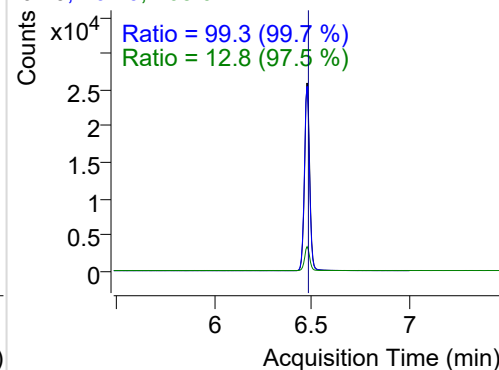
+ SIM (6.090-6.250 min, 28 scans) (**) 221007

**IS-D10-Acenaphthene**

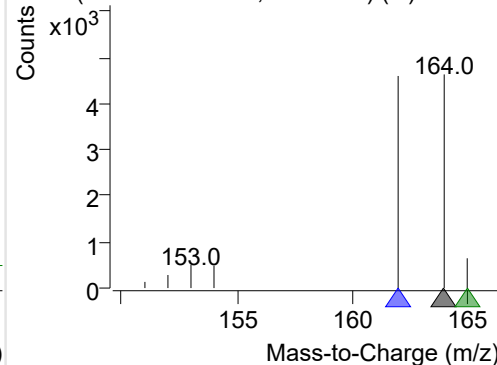
+ Selected Ion (164.0) 221007-PAHs-007.D



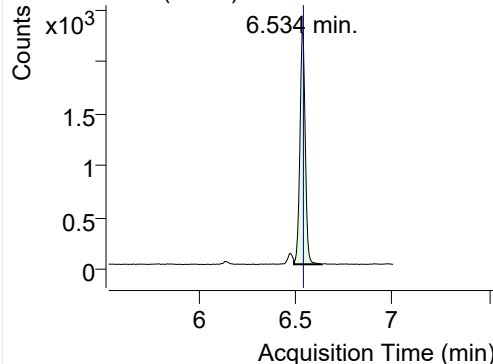
164.0, 162.0, 165.0



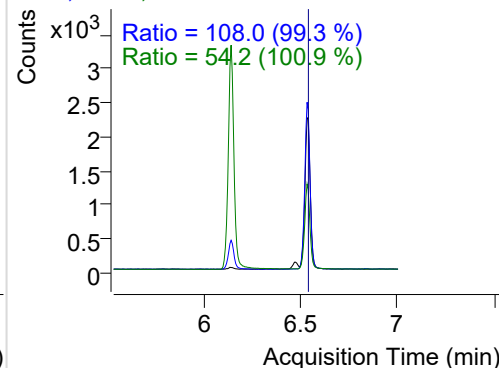
+ SIM (6.422-6.587 min, 29 scans) (**) 221007

**Acenaphthene**

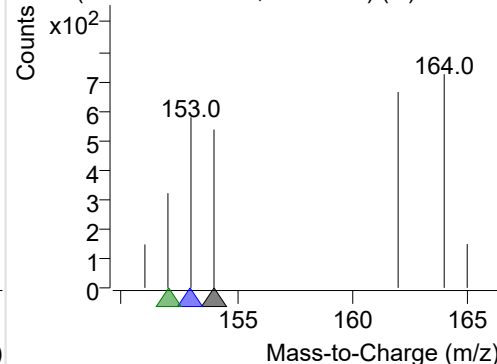
+ Selected Ion (154.0) 221007-PAHs-007.D



154.0, 153.0, 152.0

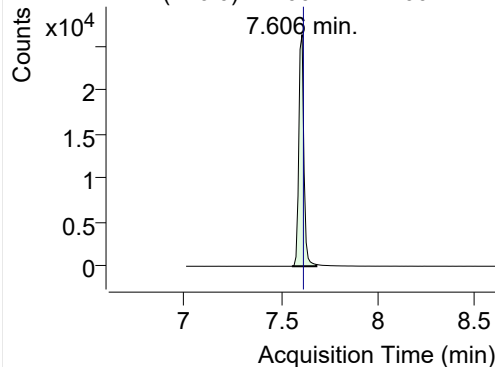


+ SIM (6.493-6.635 min, 25 scans) (**) 221007

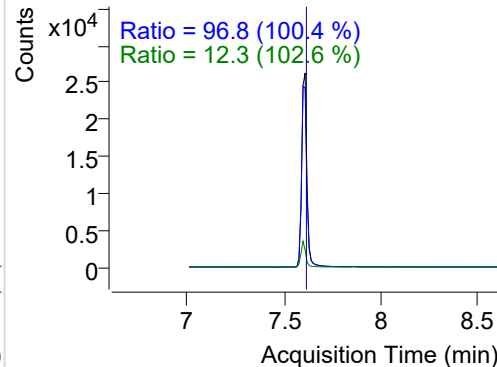


LSS-D10-Fluorene

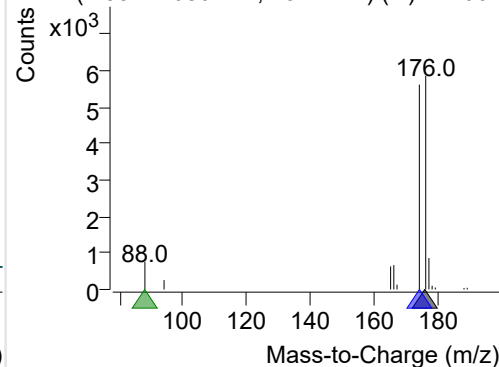
+ Selected Ion (176.0) 221007-PAHs-007.D



176.0, 174.0, 88.0

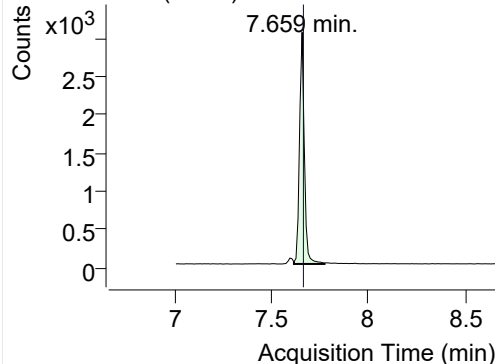


+ SIM (7.554-7.680 min, 13 scans) (**) 221007

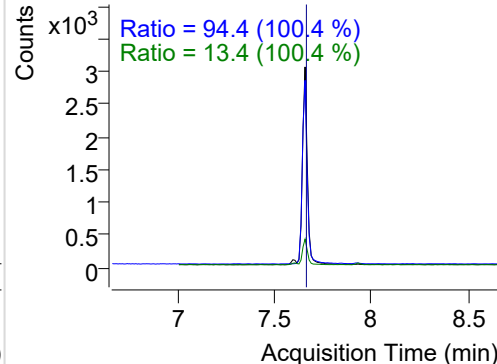


Fluorene

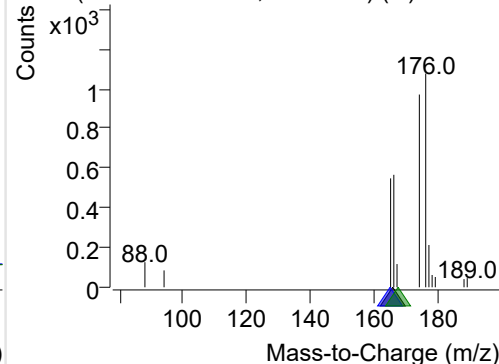
+ Selected Ion (166.0) 221007-PAHs-007.D



166.0, 165.0, 167.0

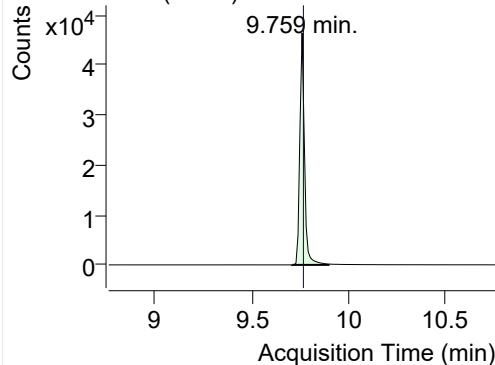


+ SIM (7.617-7.774 min, 16 scans) (**) 221007

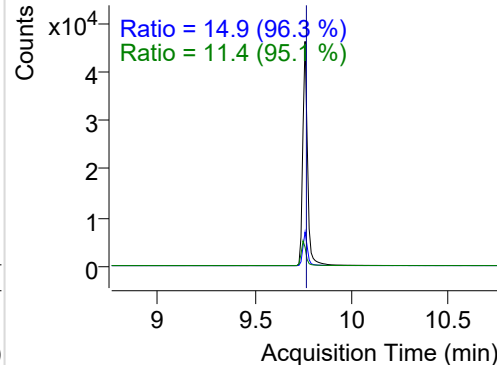


IS-D10-Phenanthrene

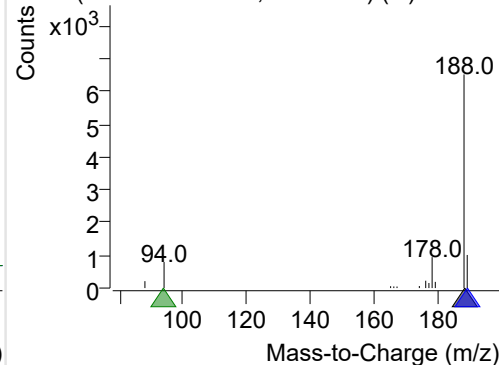
+ Selected Ion (188.0) 221007-PAHs-007.D



188.0, 189.0, 94.0

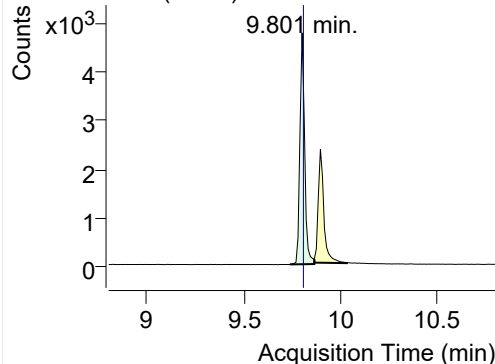


+ SIM (9.706-9.895 min, 19 scans) (**) 221007

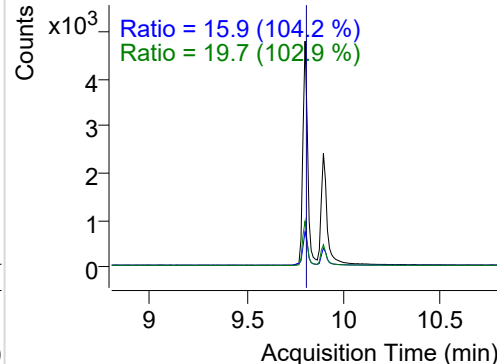


Phenanthrene

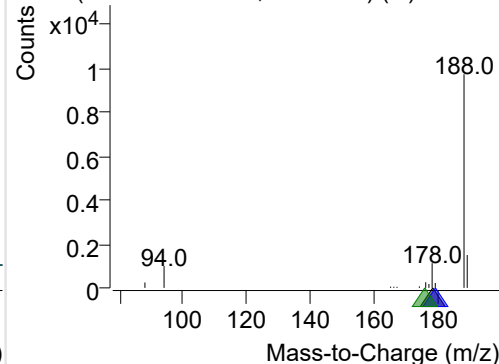
+ Selected Ion (178.0) 221007-PAHs-007.D



178.0, 179.0, 176.0

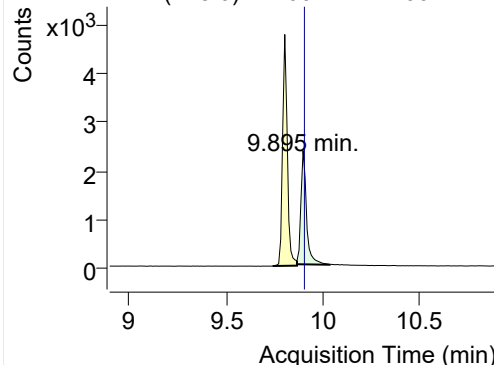


+ SIM (9.738-9.864 min, 12 scans) (**) 221007

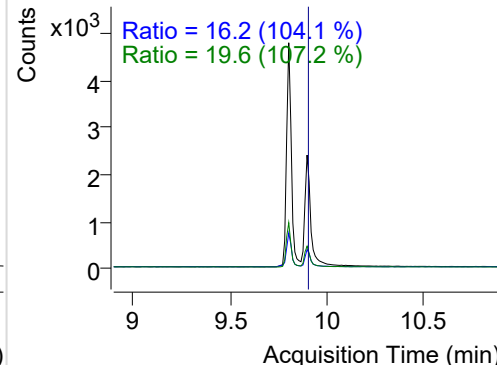


Anthracene

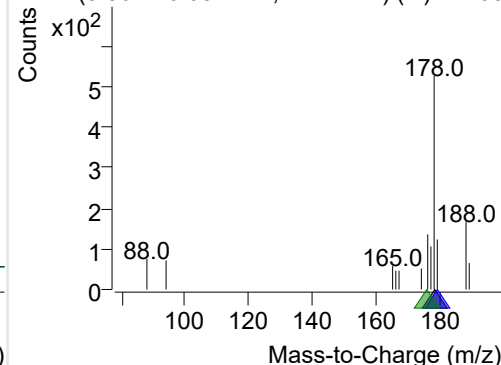
+ Selected Ion (178.0) 221007-PAHs-007.D



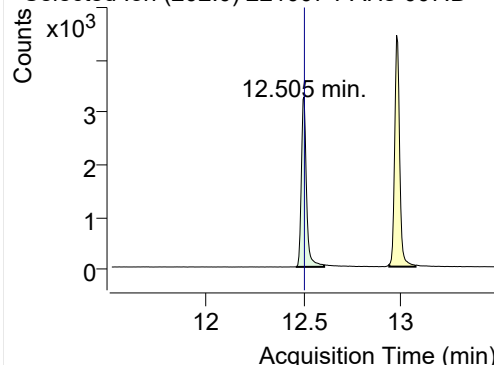
178.0, 179.0, 176.0



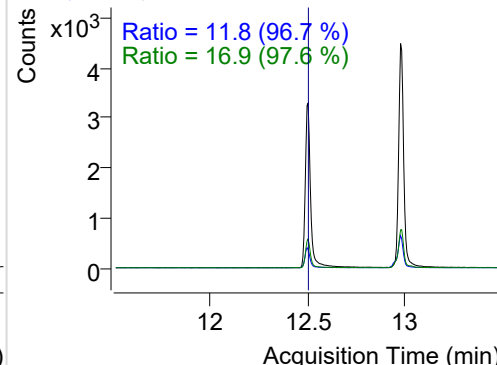
+ SIM (9.864-10.032 min, 17 scans) (**) 22100

**Fluoranthene**

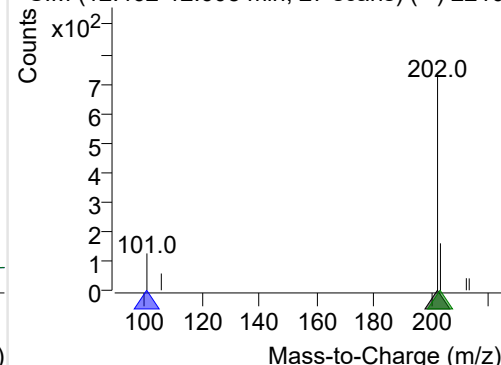
+ Selected Ion (202.0) 221007-PAHs-007.D



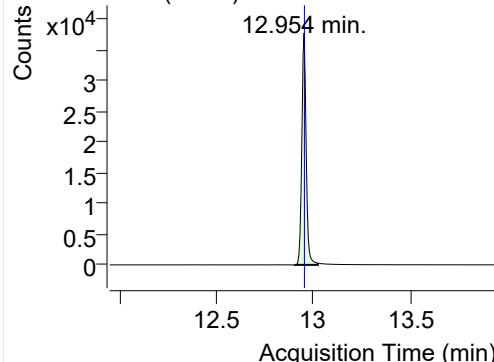
202.0, 101.0, 203.0



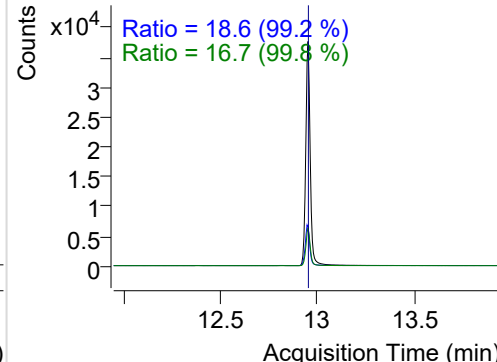
+ SIM (12.462-12.608 min, 27 scans) (**) 2210

**LSS-D10-Pyrene**

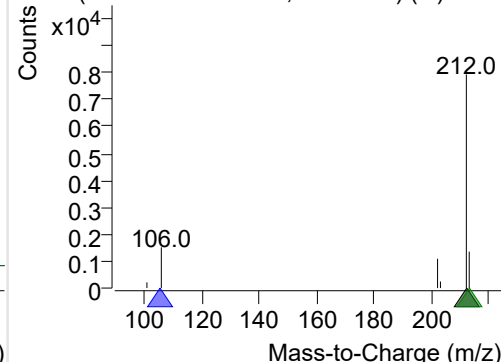
+ Selected Ion (212.0) 221007-PAHs-007.D



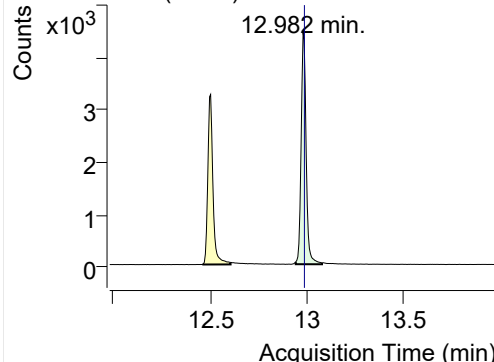
212.0, 106.0, 213.0



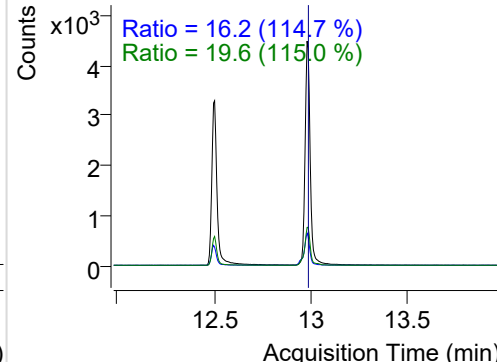
+ SIM (12.906-13.025 min, 23 scans) (**) 2210

**Pyrene**

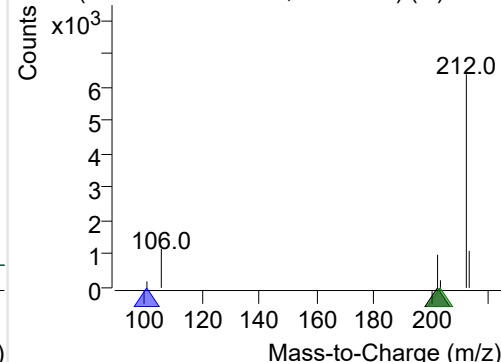
+ Selected Ion (202.0) 221007-PAHs-007.D



202.0, 101.0, 203.0

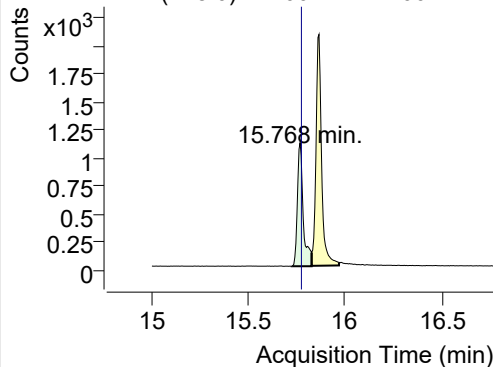


+ SIM (12.944-13.079 min, 26 scans) (**) 2210

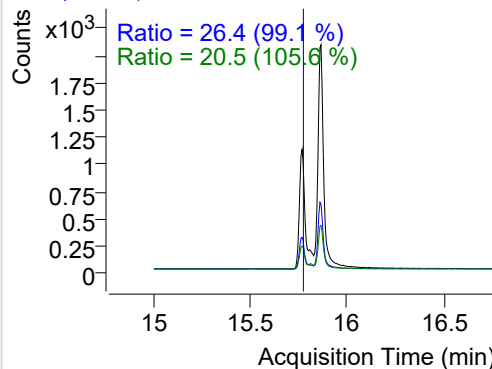


Benz(a)anthracene

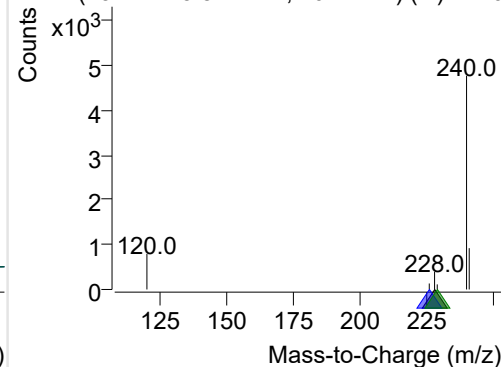
+ Selected Ion (228.0) 221007-PAHs-007.D



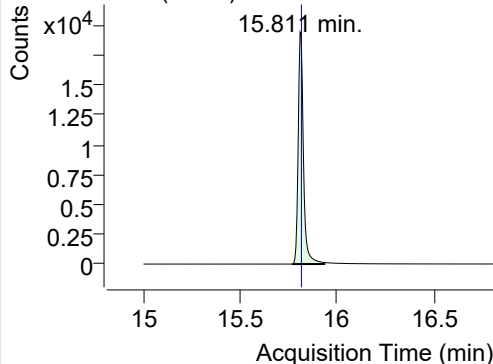
228.0, 226.0, 229.0



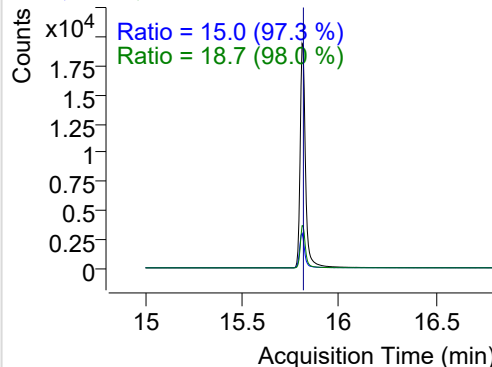
+ SIM (15.724-15.827 min, 20 scans) (**) 2210

**IS-D12-Chrysene**

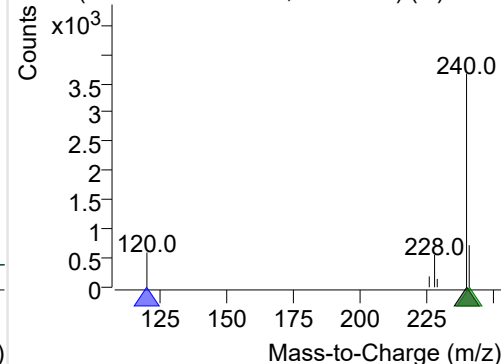
+ Selected Ion (240.0) 221007-PAHs-007.D



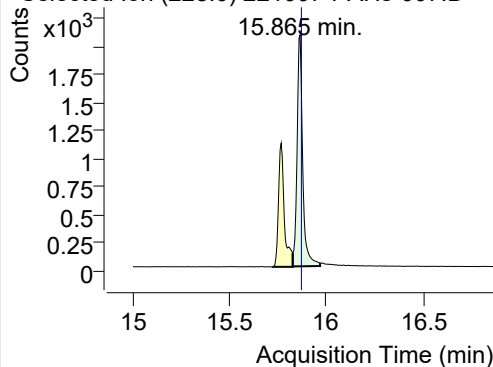
240.0, 120.0, 241.0



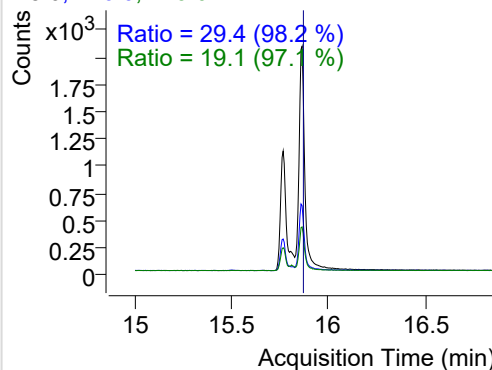
+ SIM (15.773-15.936 min, 31 scans) (**) 2210

**Chrysene**

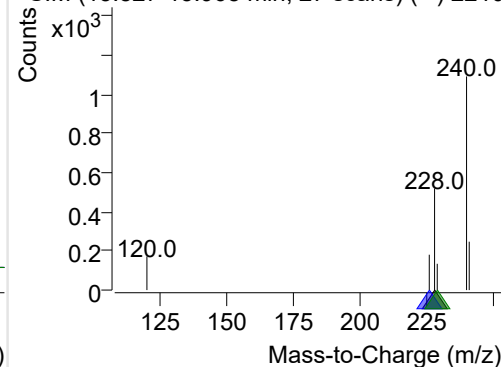
+ Selected Ion (228.0) 221007-PAHs-007.D



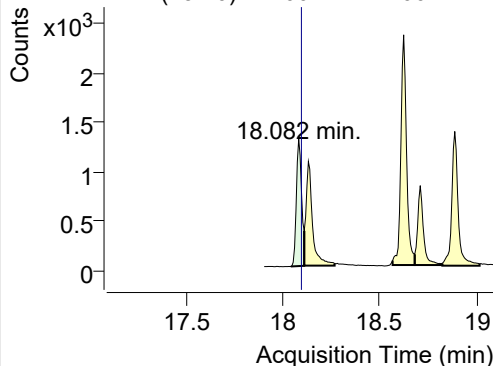
228.0, 226.0, 229.0



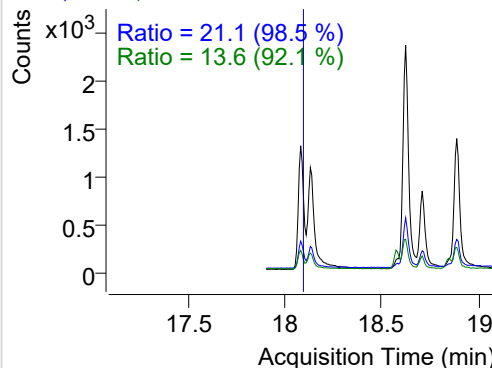
+ SIM (15.827-15.968 min, 27 scans) (**) 2210

**Benzo(b)fluoranthene**

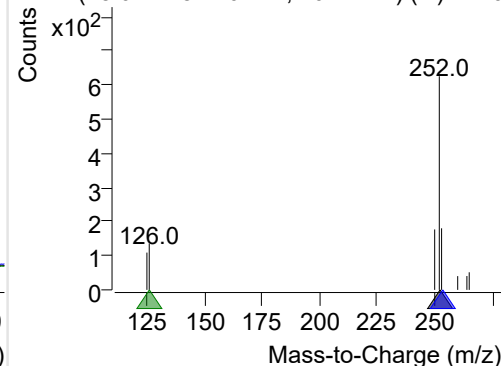
+ Selected Ion (252.0) 221007-PAHs-007.D



252.0, 253.0, 126.0

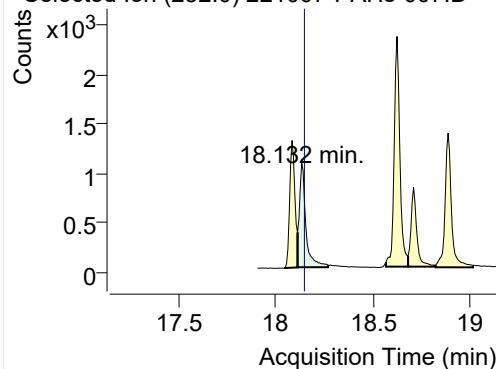


+ SIM (18.041-18.110 min, 10 scans) (**) 2210

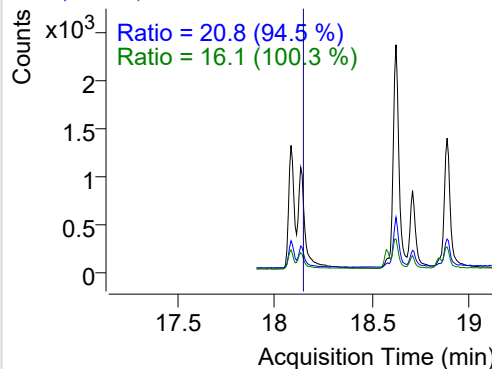


Benzo(k)fluoranthene

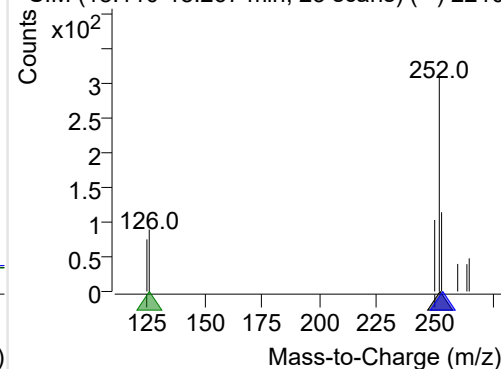
+ Selected Ion (252.0) 221007-PAHs-007.D



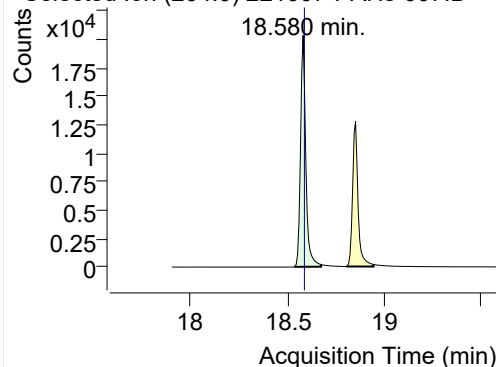
252.0, 253.0, 126.0



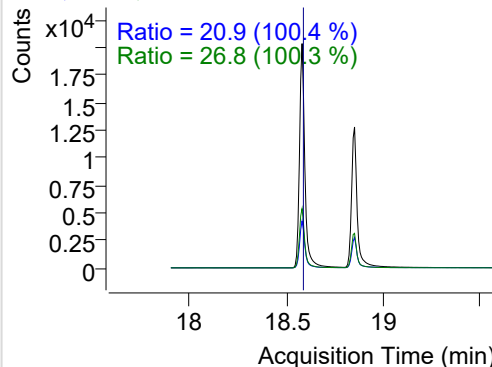
+ SIM (18.110-18.267 min, 23 scans) (**) 2210

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

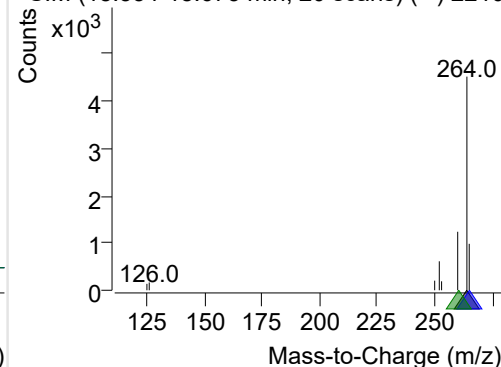
+ Selected Ion (264.0) 221007-PAHs-007.D



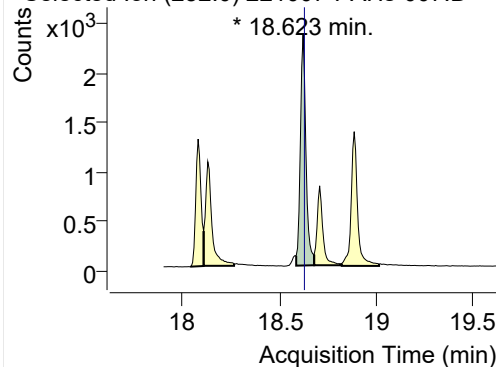
264.0, 265.0, 260.0



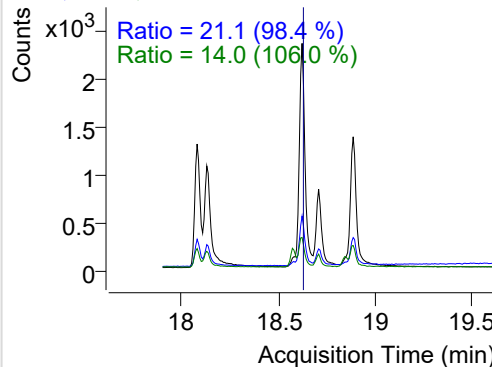
+ SIM (18.534-18.673 min, 20 scans) (**) 2210

**Benzo(e)pyrene**

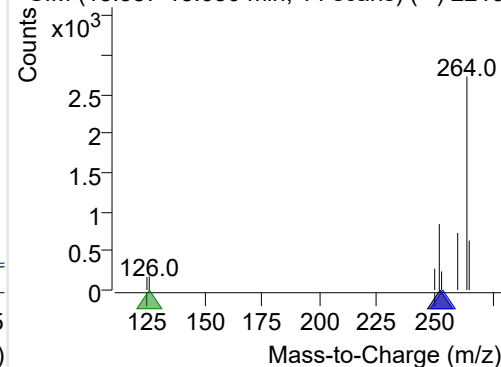
+ Selected Ion (252.0) 221007-PAHs-007.D



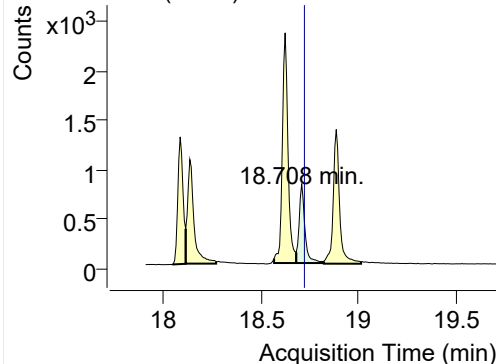
252.0, 253.0, 126.0



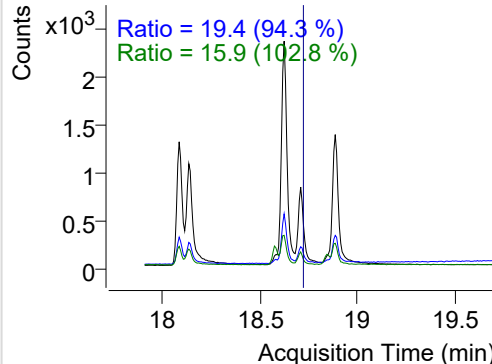
+ SIM (18.587-18.680 min, 14 scans) (**) 2210

**Benzo(a)pyrene**

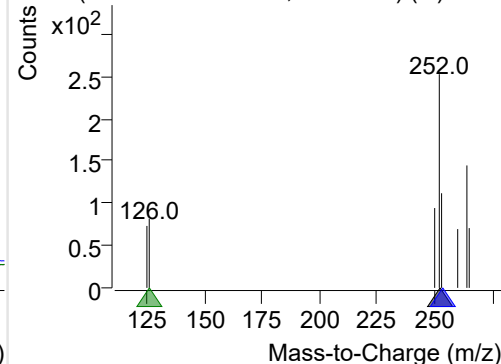
+ Selected Ion (252.0) 221007-PAHs-007.D



252.0, 253.0, 126.0

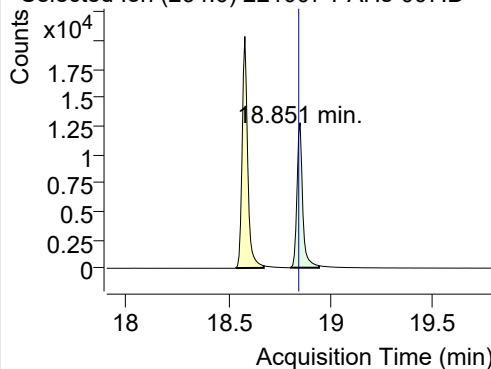


+ SIM (18.680-18.815 min, 20 scans) (**) 2210

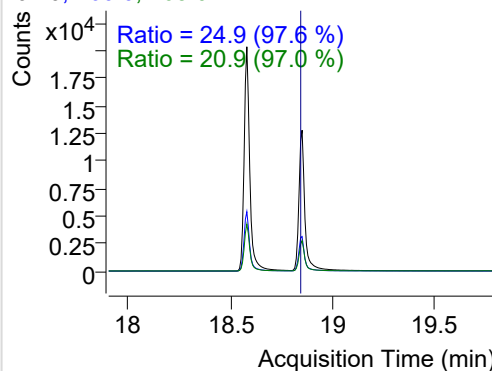


IS-D12-Perylene

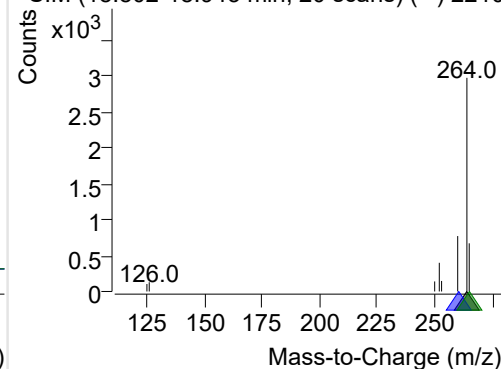
+ Selected Ion (264.0) 221007-PAHs-007.D



264.0, 260.0, 265.0

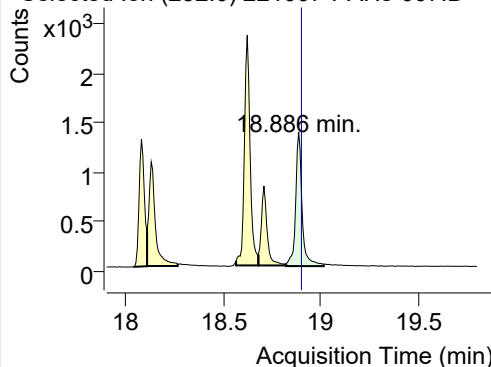


+ SIM (18.802-18.943 min, 20 scans) (**) 2210

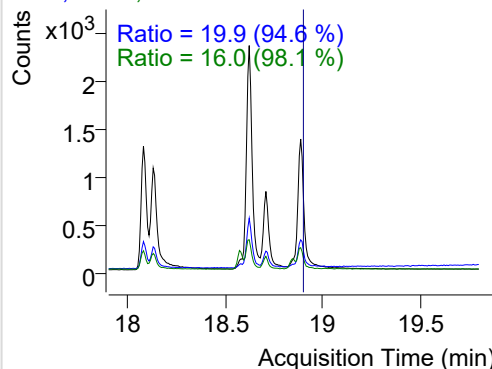


Perylene

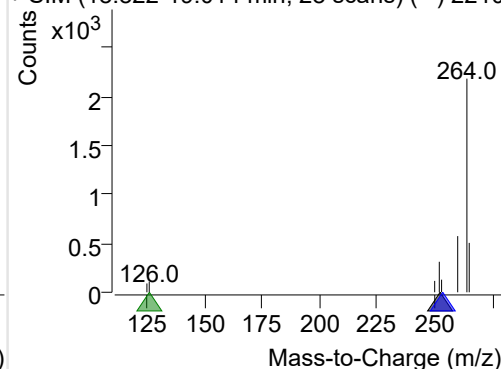
+ Selected Ion (252.0) 221007-PAHs-007.D



252.0, 253.0, 126.0

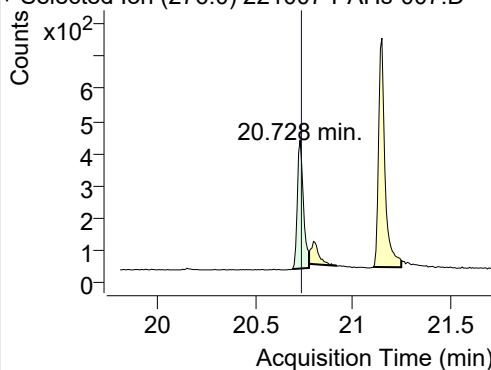


+ SIM (18.822-19.014 min, 28 scans) (**) 2210

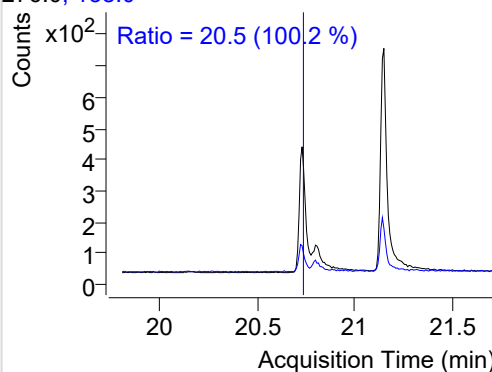


Indeno(1,2,3-c,d)pyrene

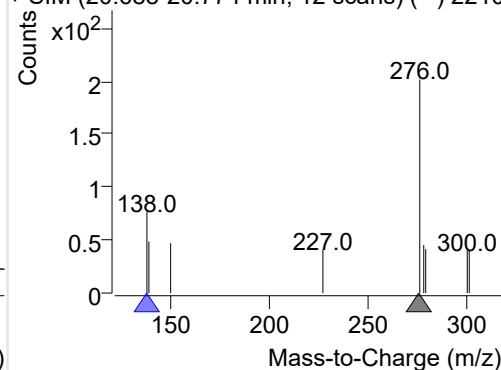
+ Selected Ion (276.0) 221007-PAHs-007.D



276.0, 138.0

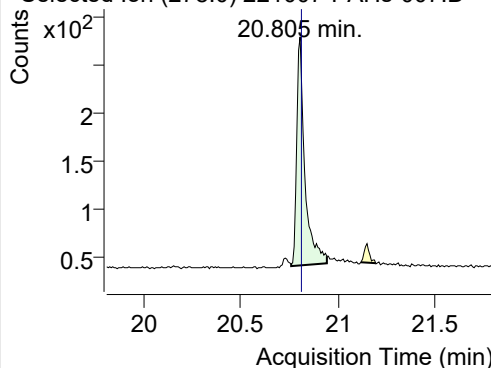


+ SIM (20.688-20.774 min, 12 scans) (**) 2210

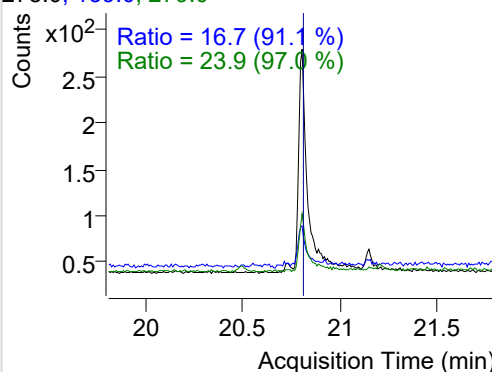


Dibenz(a,h)anthracene

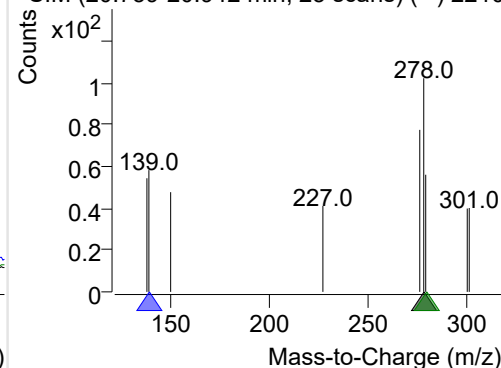
+ Selected Ion (278.0) 221007-PAHs-007.D



278.0, 139.0, 279.0

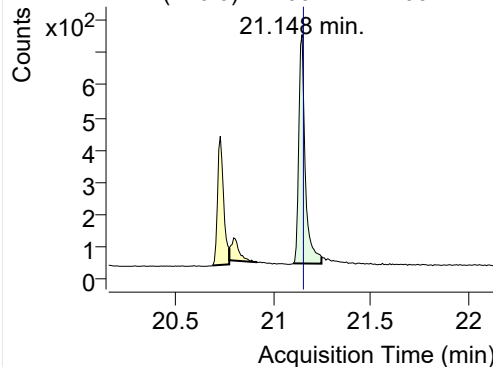


+ SIM (20.759-20.942 min, 25 scans) (**) 2210

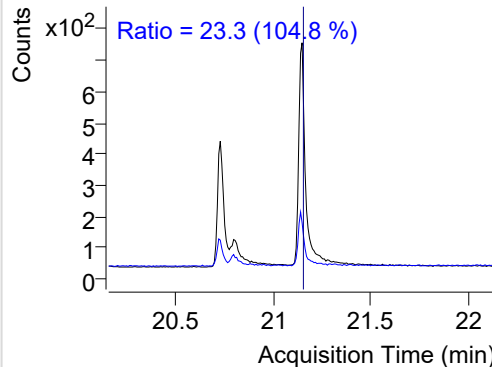


Benzo(g,h,i)perylene

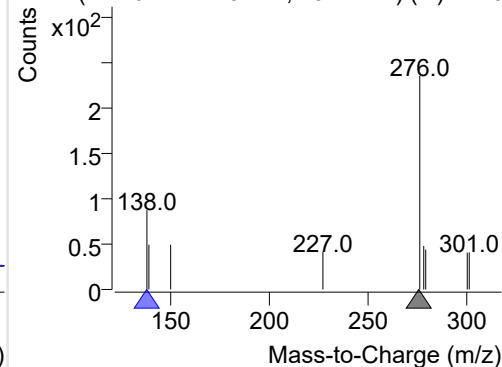
+ Selected Ion (276.0) 221007-PAHs-007.D



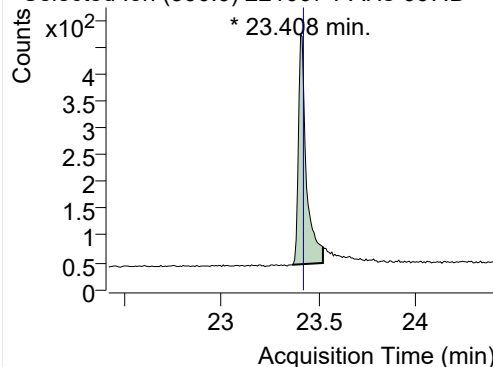
276.0, 138.0



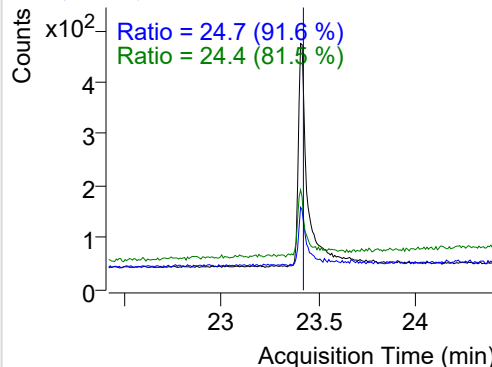
+ SIM (21.104-21.248 min, 19 scans) (**) 2210

**Coronene**

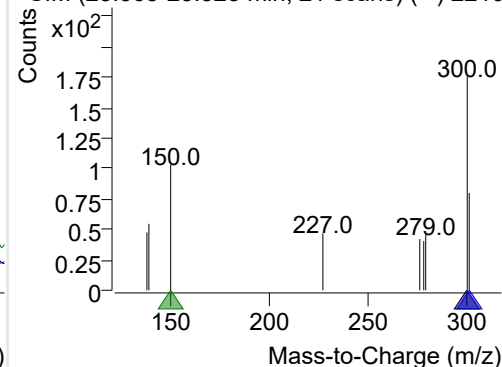
+ Selected Ion (300.0) 221007-PAHs-007.D



300.0, 301.0, 150.0



+ SIM (23.365-23.523 min, 21 scans) (**) 2210



Quantitative Analysis Sample Based Report

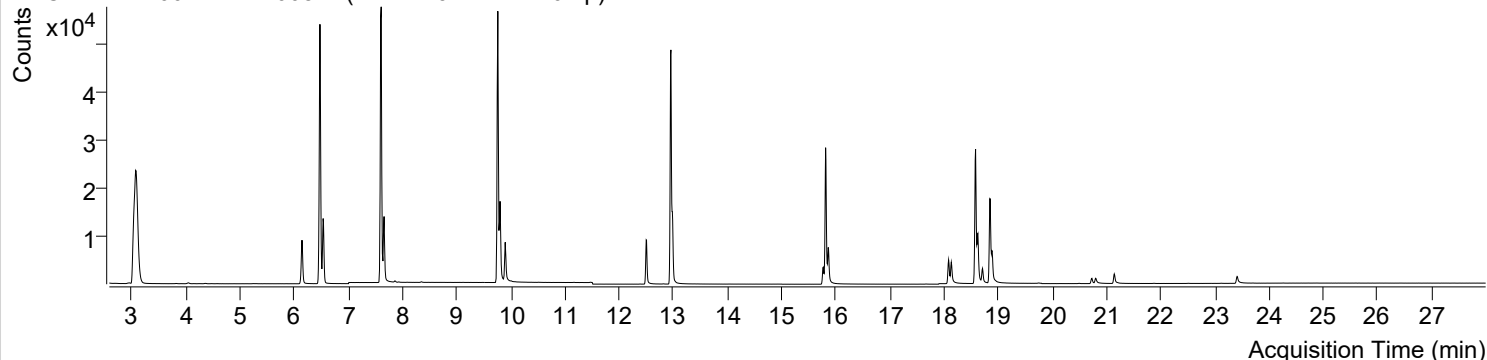


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 3:04:30	Data File	221007-PAHs-008.D
Type	Sample	Name	PAHs-19mix-STD-0.2p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

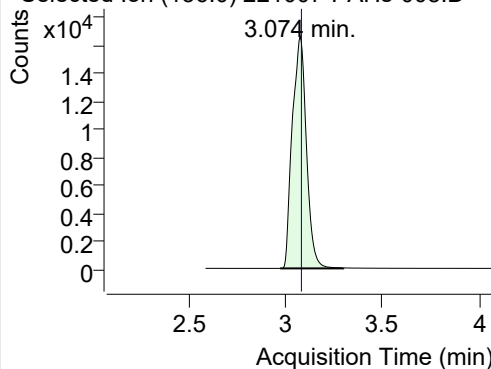
+ TIC SIM 221007-PAHs-008.D (PAHs-19mix-STD-0.2p)



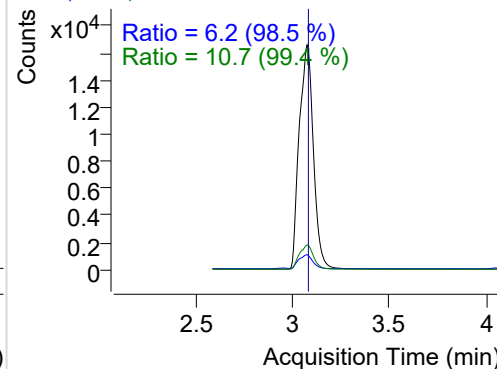
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	83581	16544.16	ND ng/ml	10.7
Naphthalene	3.101	128.0	20389	4115.76	ND ng/ml	12.9
Acenaphthylene	6.143	152.0	13423	6758.85	ND ng/ml	19.7
IS-D10-Acenaphthene	6.475	164.0	44899	25371.63	ND ng/ml	99.1
Acenaphthene	6.534	154.0	8714	4589.88	ND ng/ml	108.5
LSS-D10-Fluorene	7.606	176.0	46303	26007.63	ND ng/ml	95.4
Fluorene	7.659	166.0	10724	6179.24	ND ng/ml	94.1
IS-D10-Phenanthrene	9.759	188.0	75802	44991.10	ND ng/ml	14.7
Phenanthrene	9.801	178.0	16584	9855.48	ND ng/ml	19.3
Anthracene	9.895	178.0	10403	5335.38	ND ng/ml	19.1
Fluoranthene	12.499	202.0	12733	7071.92	ND ng/ml	16.8
LSS-D10-Pyrene	12.954	212.0	57521	35588.85	ND ng/ml	18.6
Pyrene	12.982	202.0	16448	9488.80	ND ng/ml	18.5
Benz(a)anthracene	15.768	228.0	4886	2399.99	ND ng/ml	26.3
IS-D12-Chrysene	15.811	240.0	36346	20798.48	ND ng/ml	18.7
Chrysene	15.860	228.0	8768	4430.58	ND ng/ml	29.2
Benzo(b)fluoranthene	18.082	252.0	5412	2820.82	ND ng/ml	21.2
Benzo(k)fluoranthene	18.132	252.0	5583	2532.32	ND ng/ml	21.3
SS-D12-Benzo(e)pyrene	18.580	264.0	35623	18555.43	ND ng/ml	26.8
Benzo(e)pyrene	18.623	252.0	9738	4942.71	ND ng/ml	21.5
Benzo(a)pyrene	18.708	252.0	3247	1640.43	ND ng/ml	22.7
IS-D12-Perylene	18.843	264.0	24612	11745.27	ND ng/ml	24.9
Perylene	18.886	252.0	5905	2880.59	ND ng/ml	22.9
Indeno(1,2,3-c,d)pyrene	20.728	276.0	1843	882.05	ND ng/ml	20.2
Dibenz(a,h)anthracene	20.797	278.0	1599	586.46	ND ng/ml	22.3
Benzo(g,h,i)perylene	21.141	276.0	3721	1561.34	ND ng/ml	22.0
Coronene	23.408	300.0	2682	909.10	ND ng/ml	26.6

IS-D8-Naphthalene

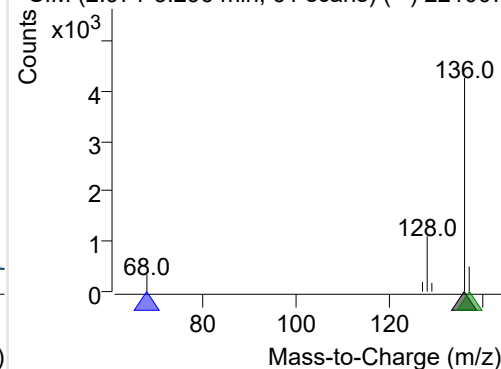
+ Selected Ion (136.0) 221007-PAHs-008.D



136.0, 68.0, 137.0

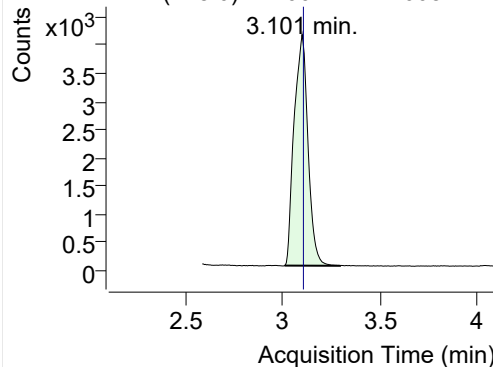


+ SIM (2.971-3.296 min, 61 scans) (**) 221007

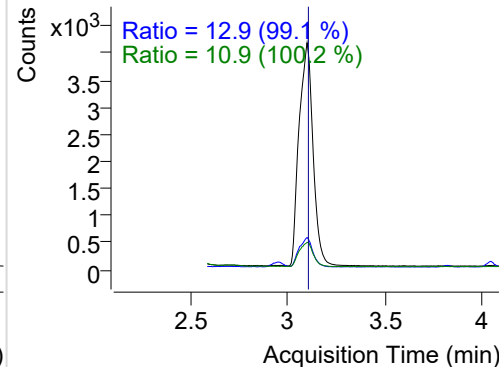


Naphthalene

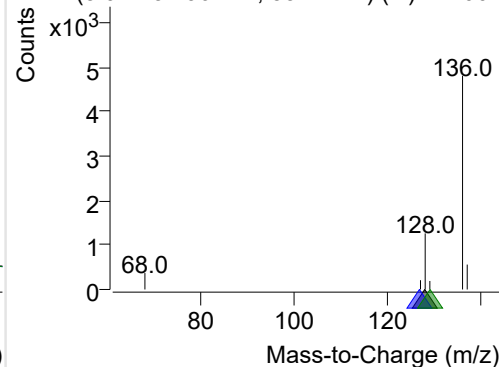
+ Selected Ion (128.0) 221007-PAHs-008.D



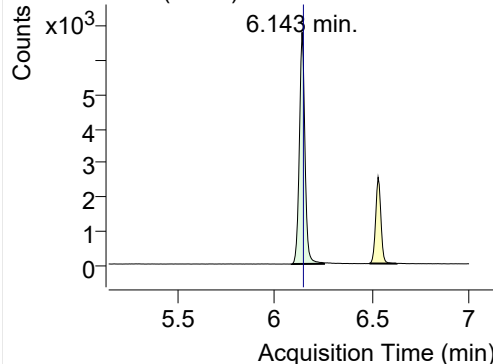
128.0, 127.0, 129.0



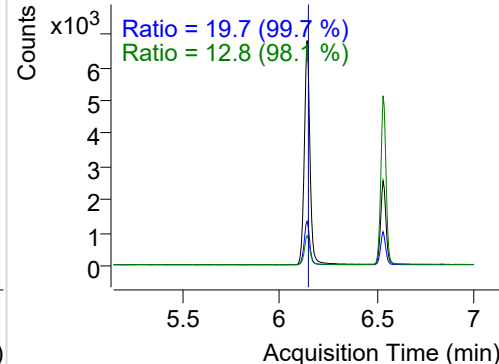
+ SIM (3.011-3.296 min, 53 scans) (**) 221007

**Acenaphthylene**

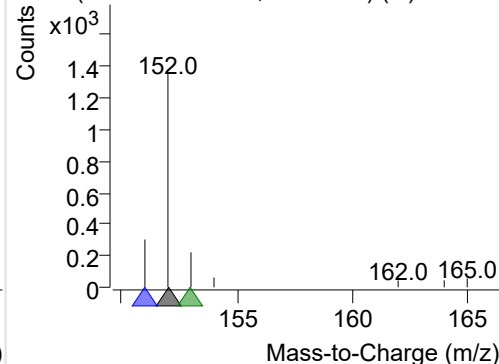
+ Selected Ion (152.0) 221007-PAHs-008.D



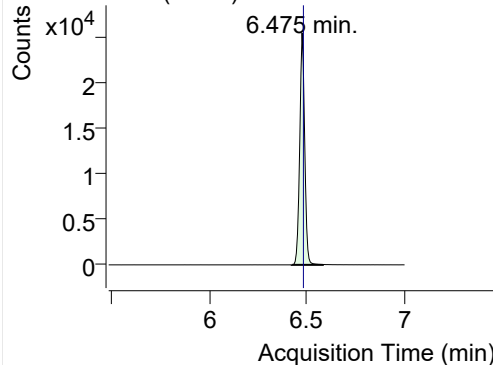
152.0, 151.0, 153.0



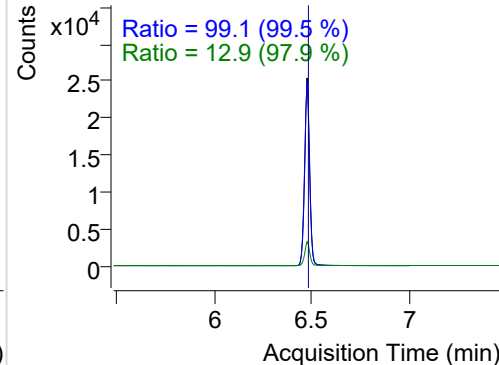
+ SIM (6.090-6.256 min, 29 scans) (**) 221007

**IS-D10-Acenaphthene**

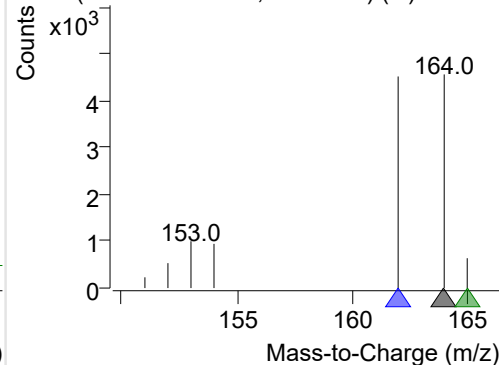
+ Selected Ion (164.0) 221007-PAHs-008.D



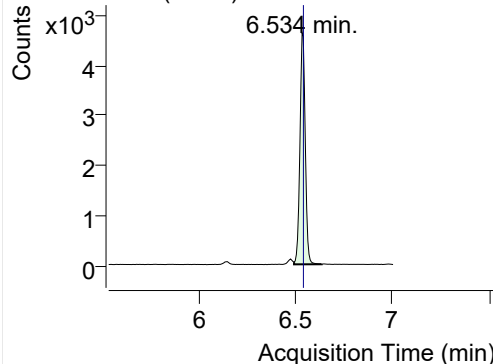
164.0, 162.0, 165.0



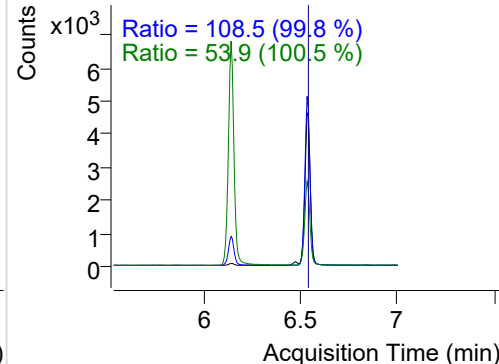
+ SIM (6.422-6.581 min, 28 scans) (**) 221007

**Acenaphthene**

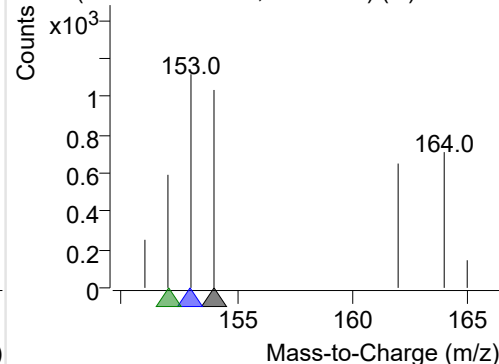
+ Selected Ion (154.0) 221007-PAHs-008.D



154.0, 153.0, 152.0

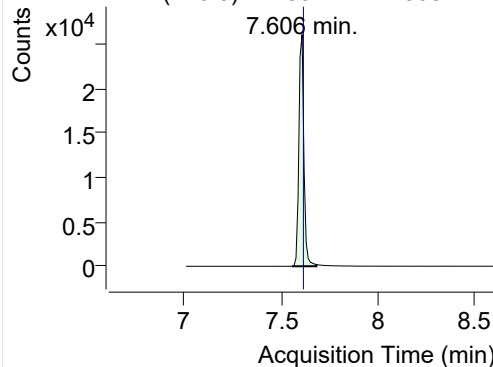


+ SIM (6.493-6.635 min, 25 scans) (**) 221007

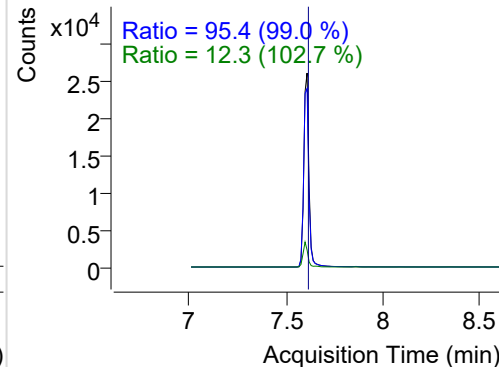


LSS-D10-Fluorene

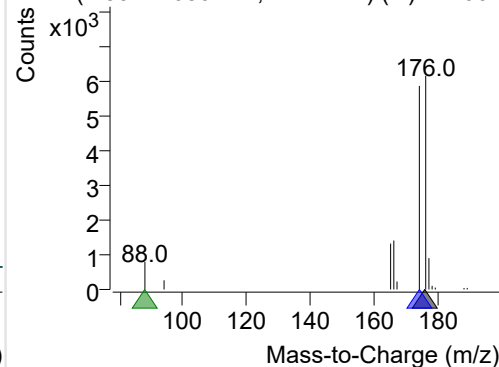
+ Selected Ion (176.0) 221007-PAHs-008.D



176.0, 174.0, 88.0

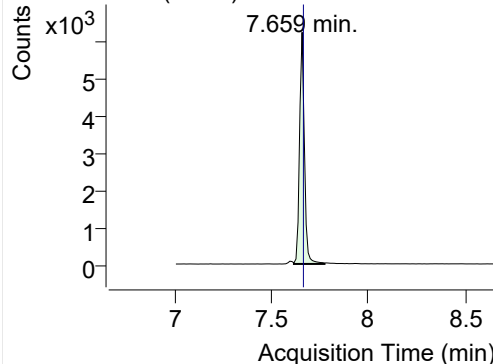


+ SIM (7.554-7.680 min, 12 scans) (**) 221007

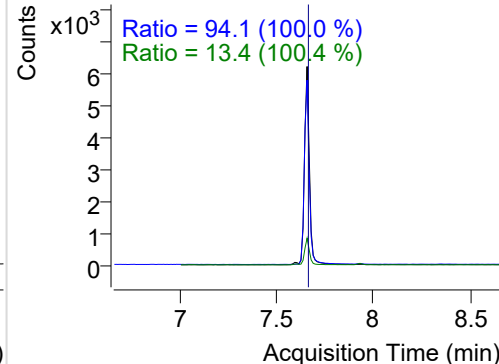


Fluorene

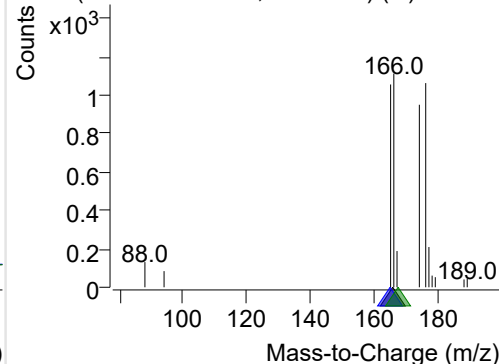
+ Selected Ion (166.0) 221007-PAHs-008.D



166.0, 165.0, 167.0

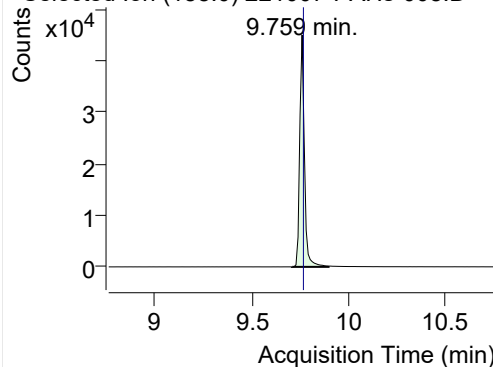


+ SIM (7.617-7.774 min, 16 scans) (**) 221007

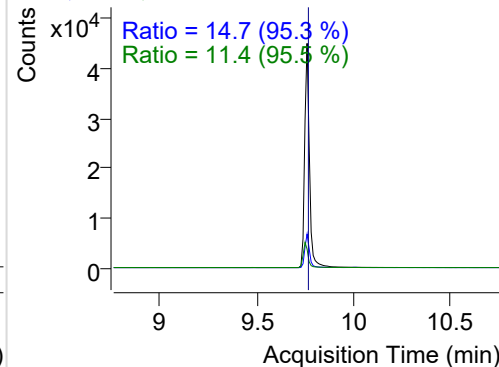


IS-D10-Phenanthrene

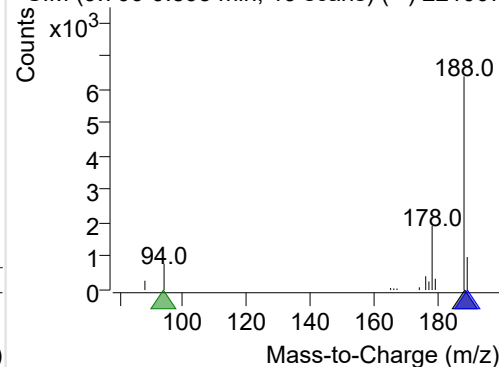
+ Selected Ion (188.0) 221007-PAHs-008.D



188.0, 189.0, 94.0

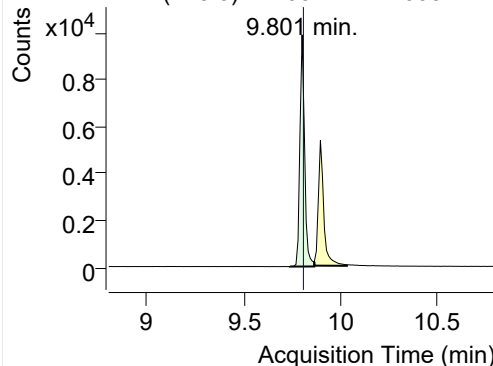


+ SIM (9.706-9.895 min, 19 scans) (**) 221007

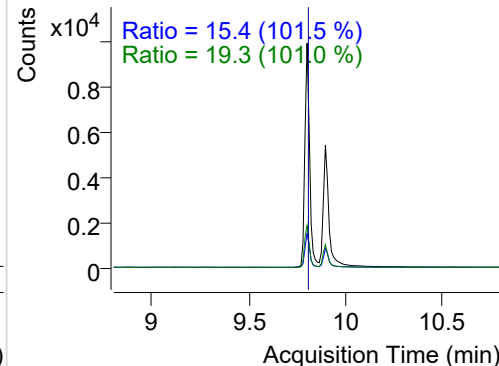


Phenanthrene

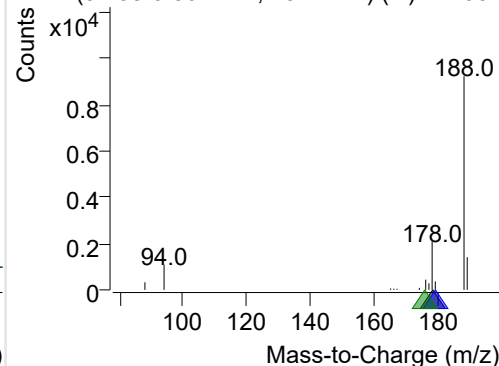
+ Selected Ion (178.0) 221007-PAHs-008.D



178.0, 179.0, 176.0

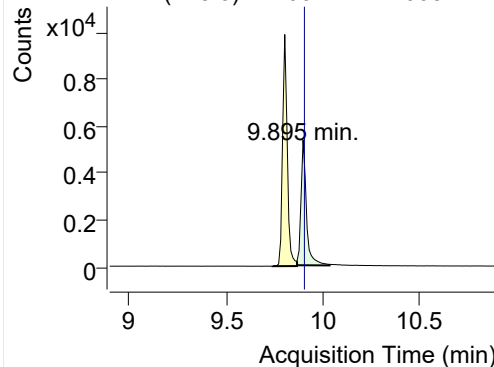


+ SIM (9.738-9.864 min, 13 scans) (**) 221007

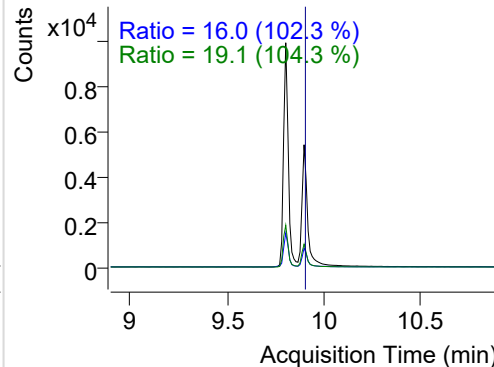


Anthracene

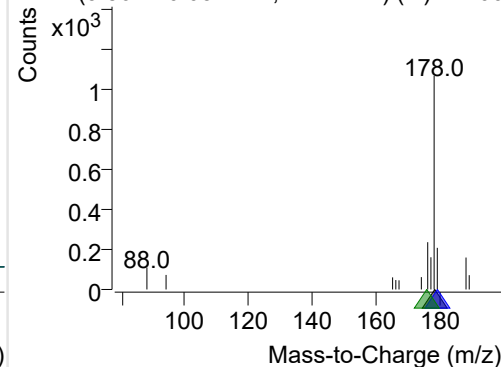
+ Selected Ion (178.0) 221007-PAHs-008.D



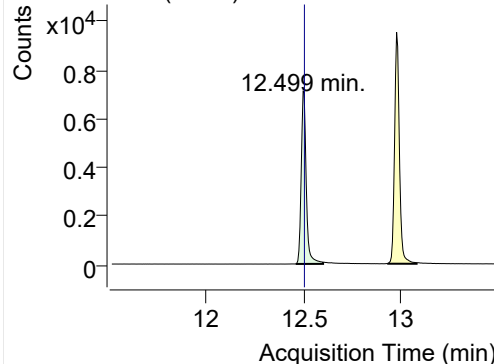
178.0, 179.0, 176.0



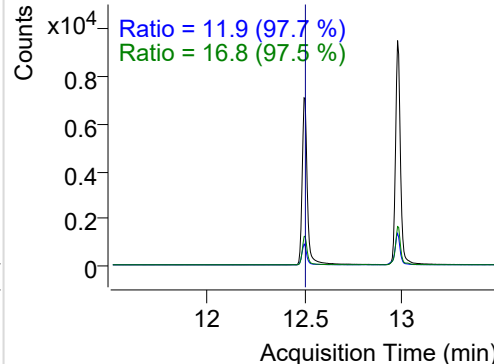
+ SIM (9.864-10.032 min, 17 scans) (**) 22100

**Fluoranthene**

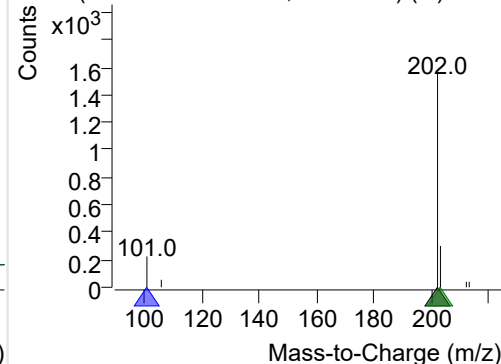
+ Selected Ion (202.0) 221007-PAHs-008.D



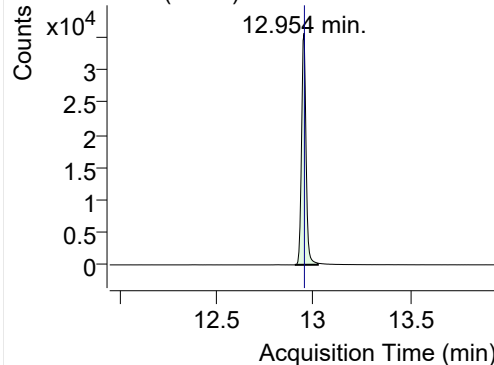
202.0, 101.0, 203.0



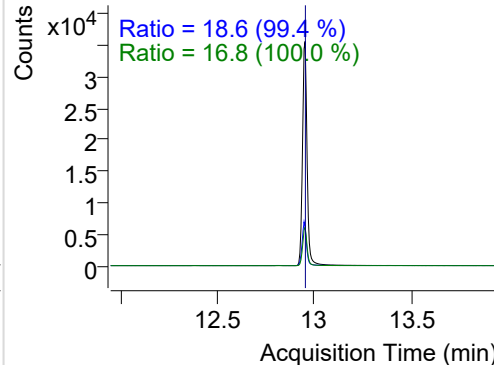
+ SIM (12.461-12.602 min, 26 scans) (**) 2210

**LSS-D10-Pyrene**

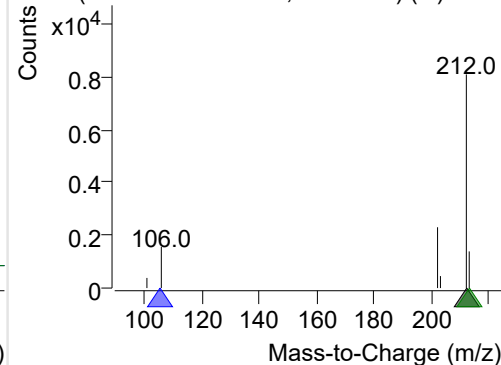
+ Selected Ion (212.0) 221007-PAHs-008.D



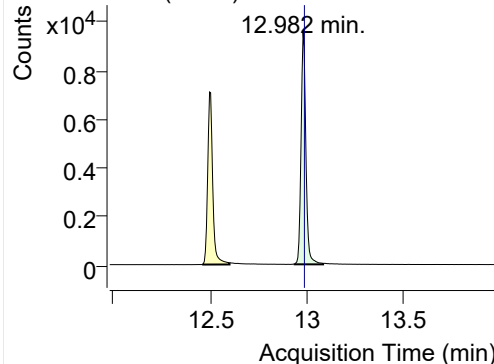
212.0, 106.0, 213.0



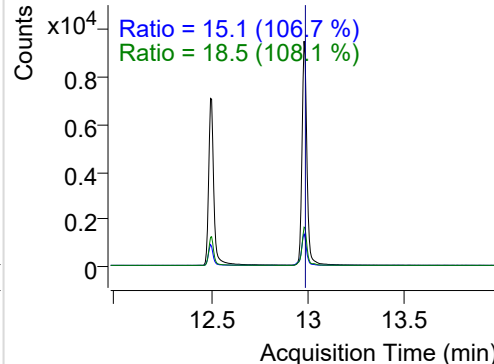
+ SIM (12.906-13.025 min, 22 scans) (**) 2210

**Pyrene**

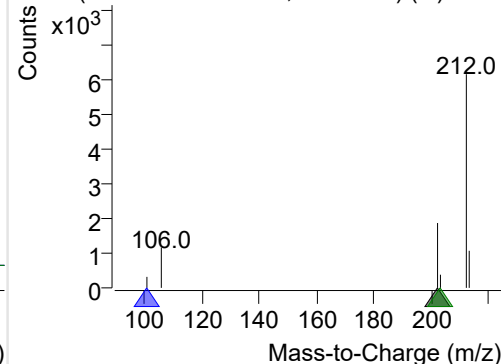
+ Selected Ion (202.0) 221007-PAHs-008.D



202.0, 101.0, 203.0

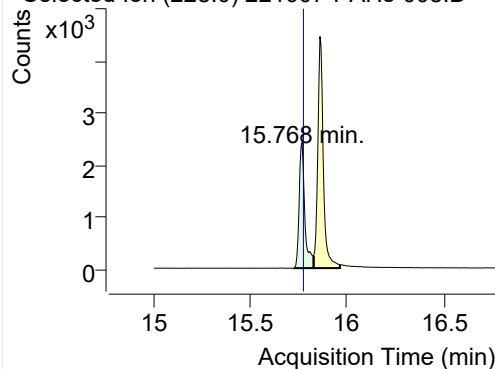


+ SIM (12.938-13.085 min, 28 scans) (**) 2210

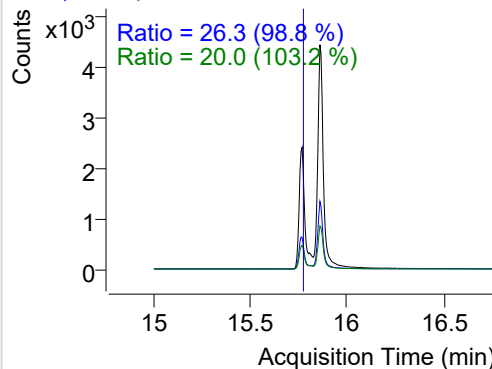


Benz(a)anthracene

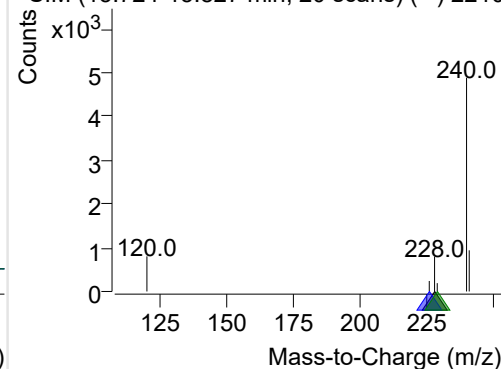
+ Selected Ion (228.0) 221007-PAHs-008.D



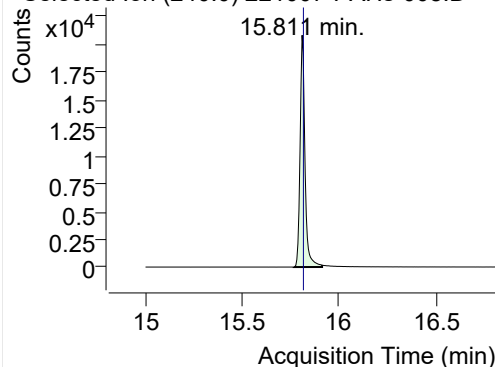
228.0, 226.0, 229.0



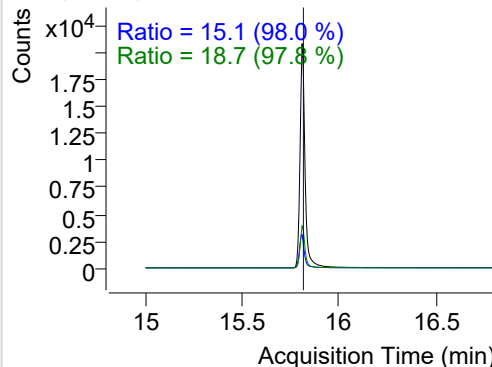
+ SIM (15.724-15.827 min, 20 scans) (**) 2210

**IS-D12-Chrysene**

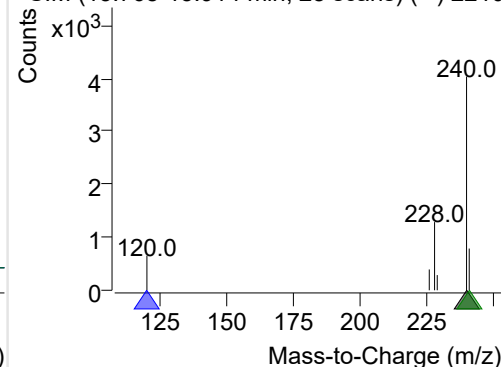
+ Selected Ion (240.0) 221007-PAHs-008.D



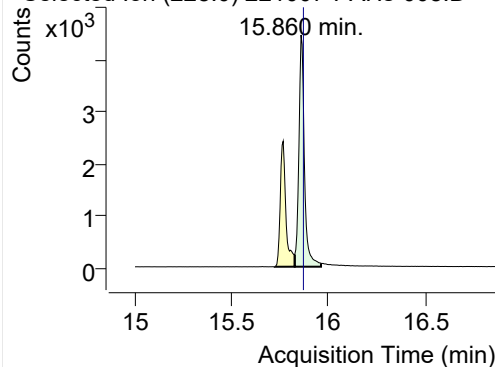
240.0, 120.0, 241.0



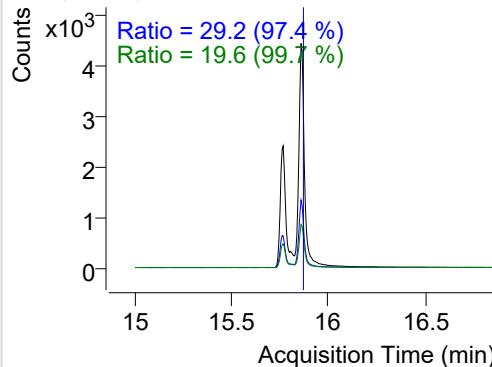
+ SIM (15.768-15.914 min, 28 scans) (**) 2210

**Chrysene**

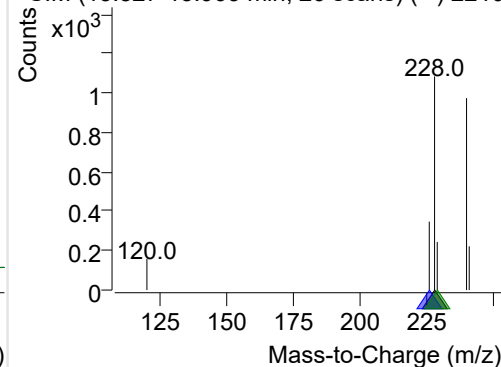
+ Selected Ion (228.0) 221007-PAHs-008.D



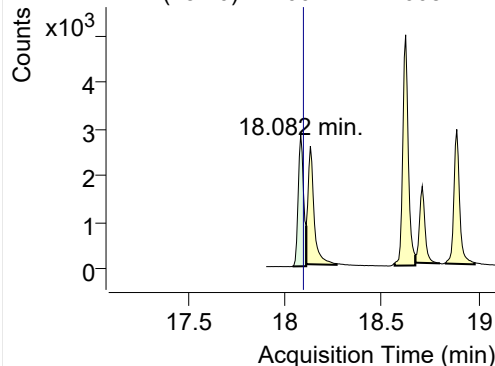
228.0, 226.0, 229.0



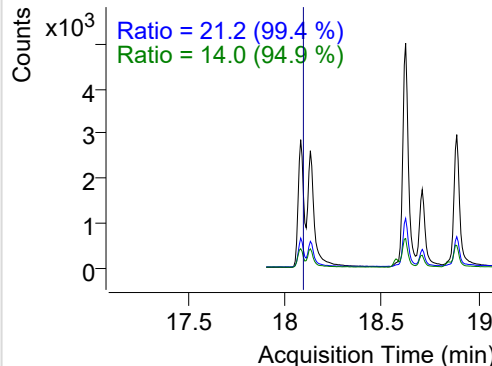
+ SIM (15.827-15.963 min, 26 scans) (**) 2210

**Benzo(b)fluoranthene**

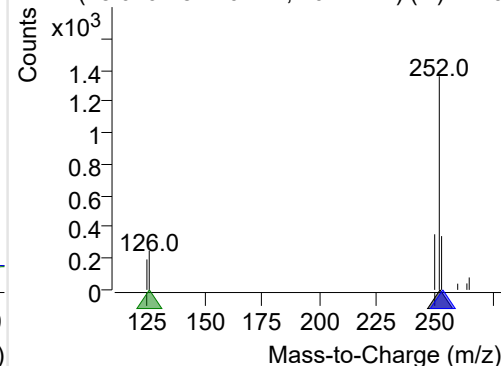
+ Selected Ion (252.0) 221007-PAHs-008.D



252.0, 253.0, 126.0

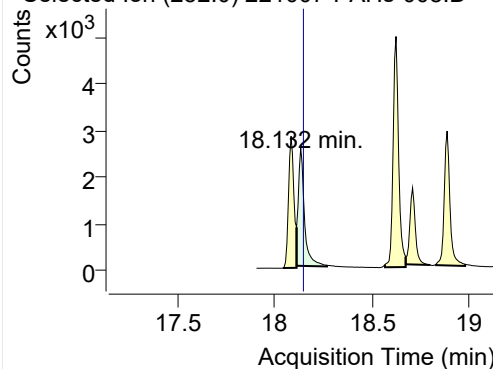


+ SIM (18.040-18.110 min, 10 scans) (**) 2210

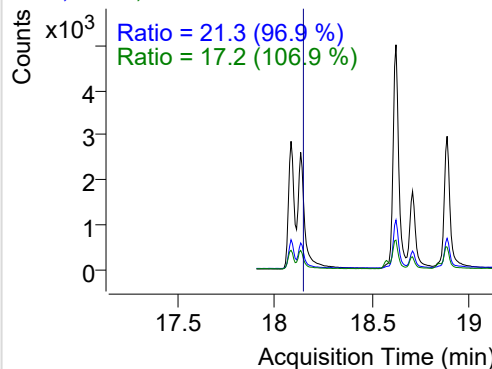


Benzo(k)fluoranthene

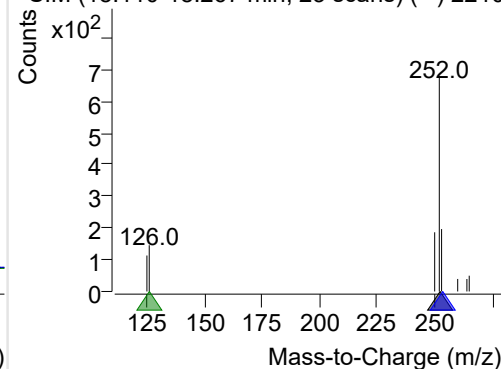
+ Selected Ion (252.0) 221007-PAHs-008.D



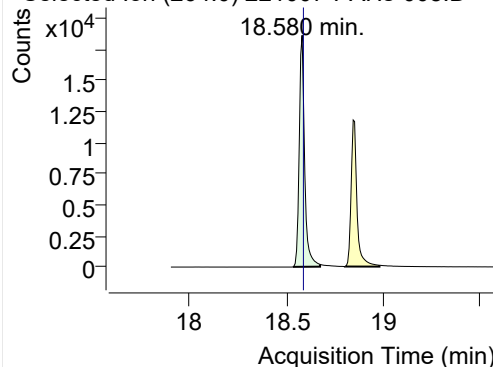
252.0, 253.0, 126.0



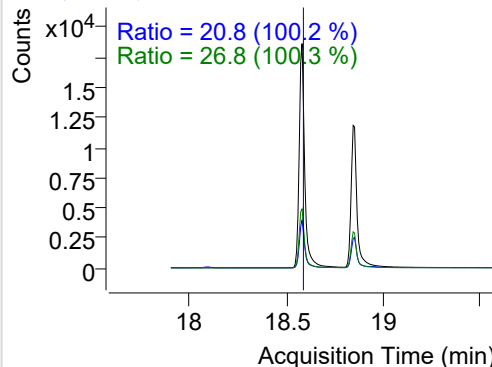
+ SIM (18.110-18.267 min, 23 scans) (**) 2210

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

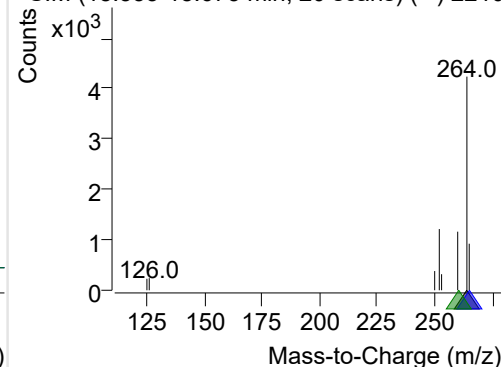
+ Selected Ion (264.0) 221007-PAHs-008.D



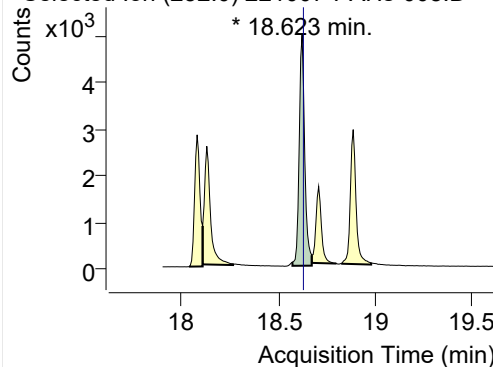
264.0, 265.0, 260.0



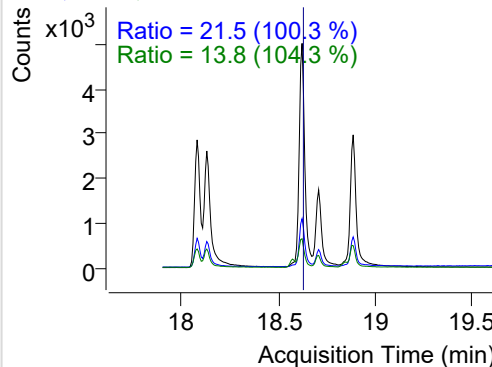
+ SIM (18.533-18.673 min, 20 scans) (**) 2210

**Benzo(e)pyrene**

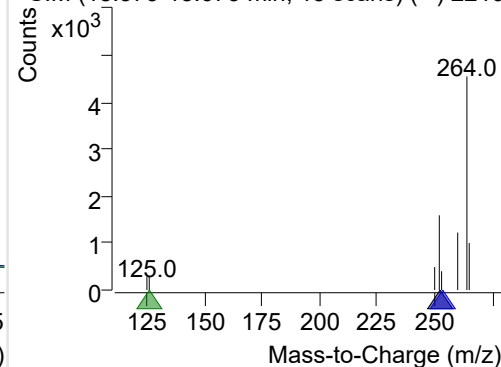
+ Selected Ion (252.0) 221007-PAHs-008.D



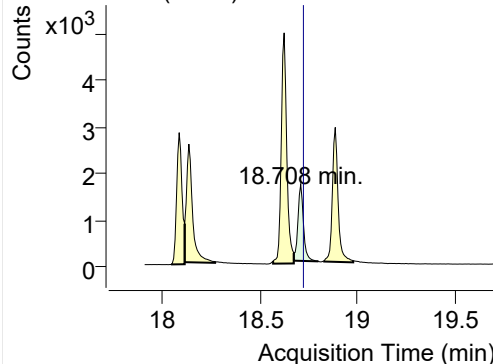
252.0, 253.0, 126.0



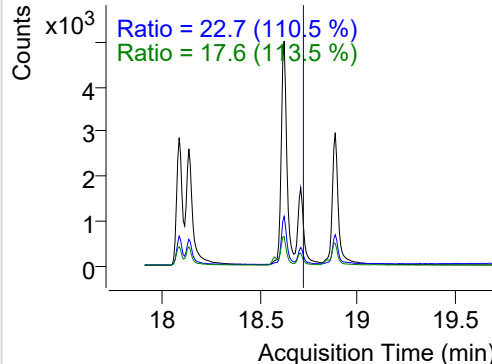
+ SIM (18.573-18.673 min, 15 scans) (**) 2210

**Benzo(a)pyrene**

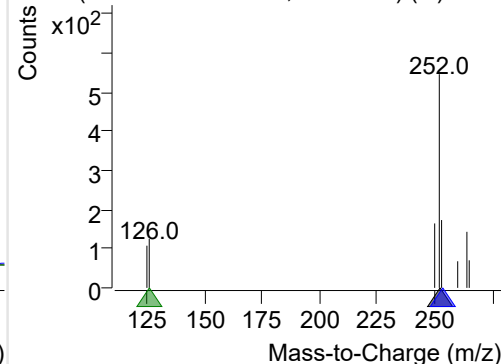
+ Selected Ion (252.0) 221007-PAHs-008.D



252.0, 253.0, 126.0

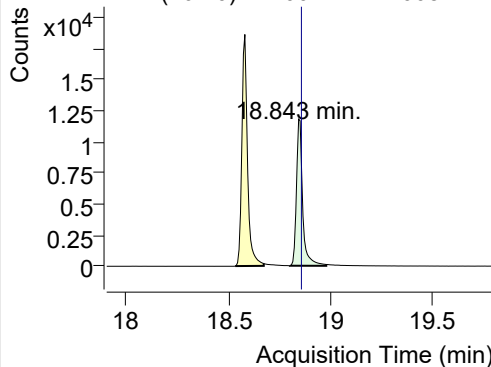


+ SIM (18.673-18.800 min, 18 scans) (**) 2210

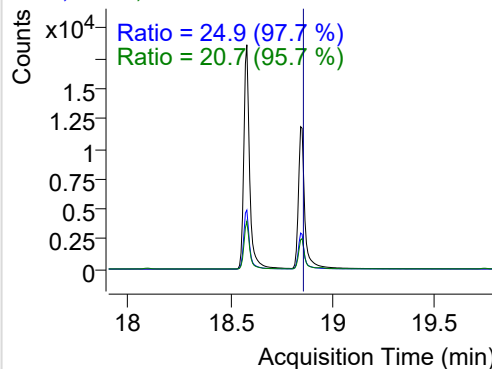


IS-D12-Perylene

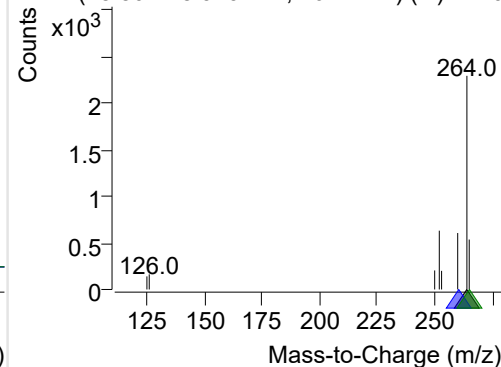
+ Selected Ion (264.0) 221007-PAHs-008.D



264.0, 260.0, 265.0

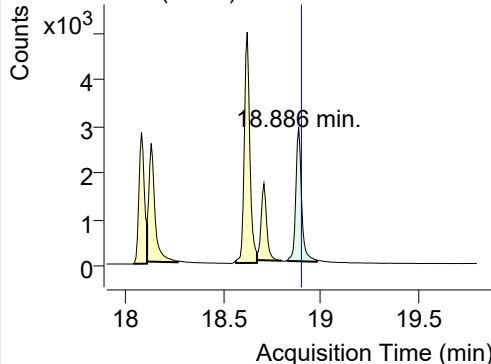


+ SIM (18.801-18.979 min, 26 scans) (**) 2210

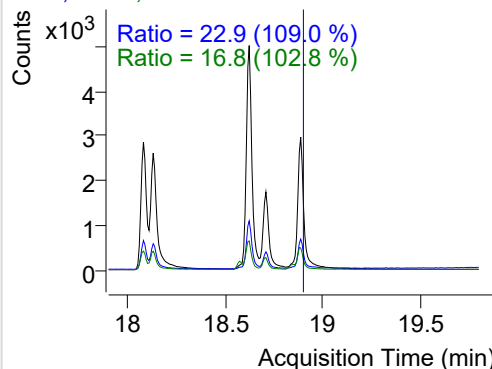


Perylene

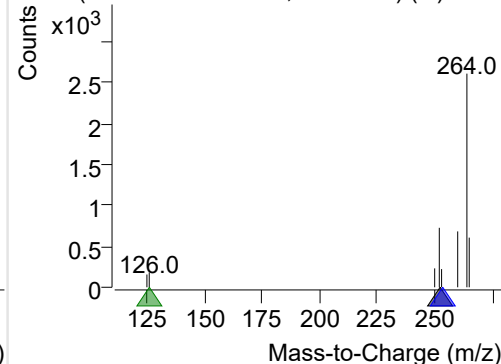
+ Selected Ion (252.0) 221007-PAHs-008.D



252.0, 253.0, 126.0

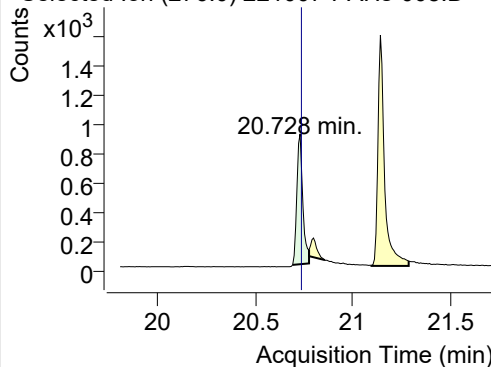


+ SIM (18.829-18.979 min, 22 scans) (**) 2210

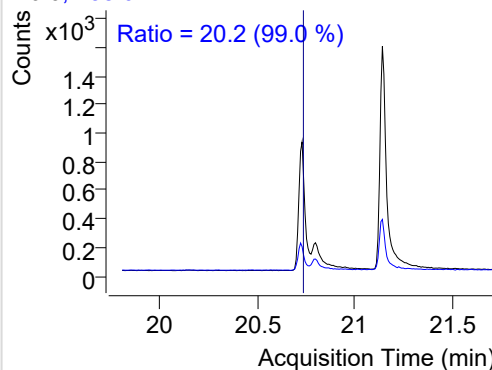


Indeno(1,2,3-c,d)pyrene

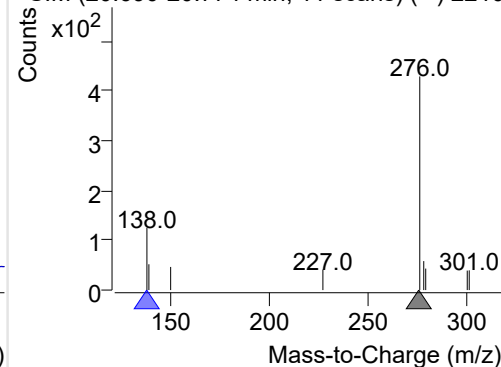
+ Selected Ion (276.0) 221007-PAHs-008.D



276.0, 138.0

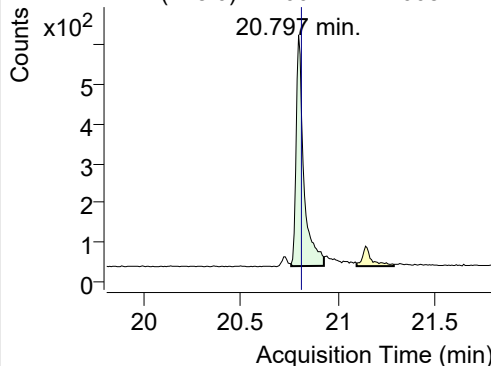


+ SIM (20.690-20.774 min, 11 scans) (**) 2210

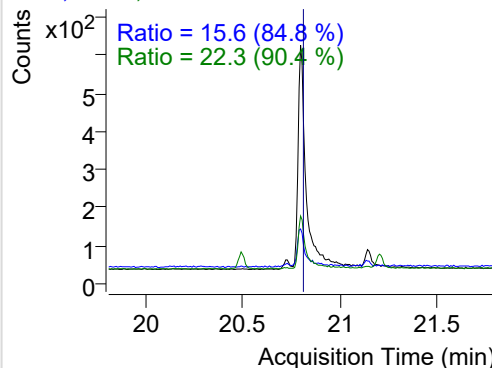


Dibenz(a,h)anthracene

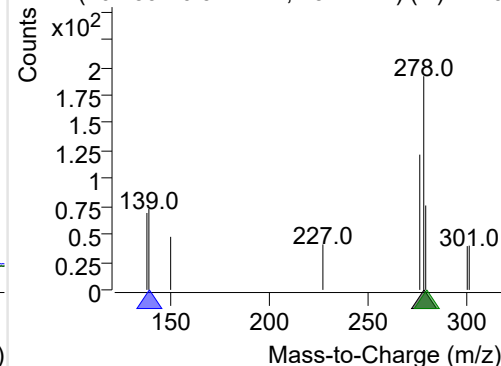
+ Selected Ion (278.0) 221007-PAHs-008.D



278.0, 139.0, 279.0

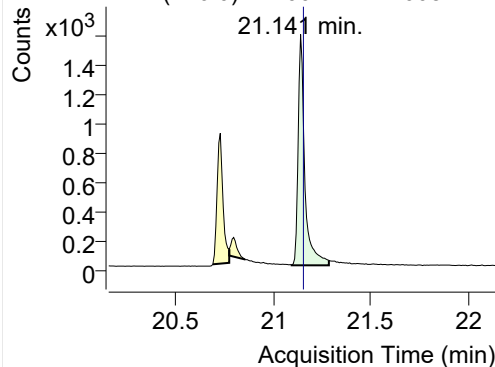


+ SIM (20.759-20.927 min, 23 scans) (**) 2210

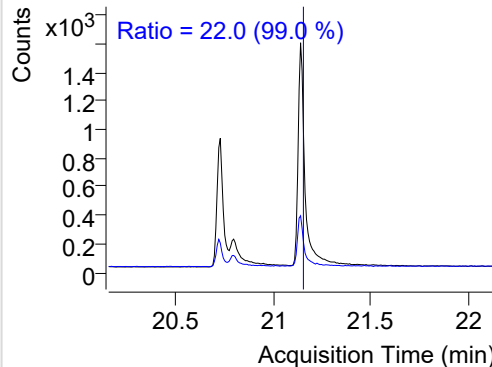


Benzo(g,h,i)perylene

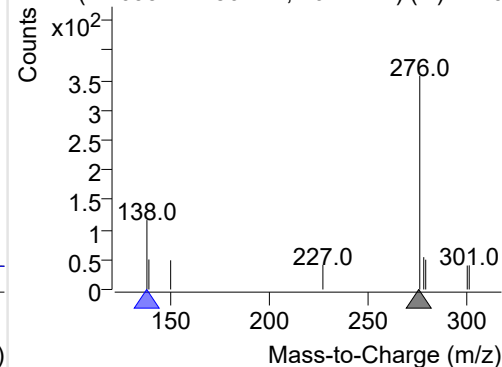
+ Selected Ion (276.0) 221007-PAHs-008.D



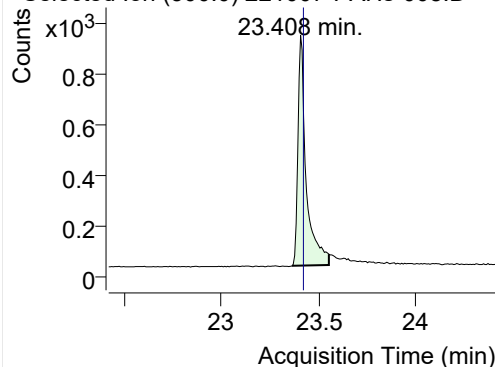
276.0, 138.0



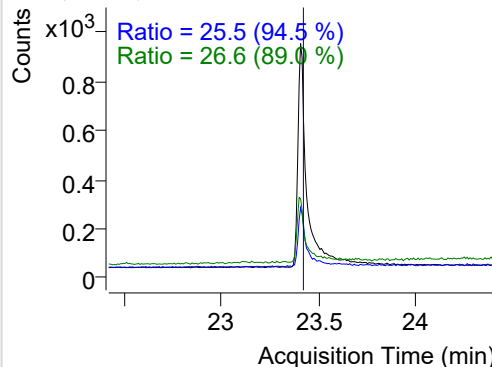
+ SIM (21.095-21.286 min, 26 scans) (**) 2210

**Coronene**

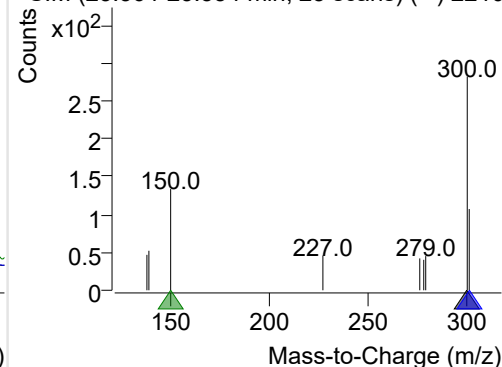
+ Selected Ion (300.0) 221007-PAHs-008.D



300.0, 301.0, 150.0



+ SIM (23.364-23.554 min, 25 scans) (**) 2210



Quantitative Analysis Sample Based Report

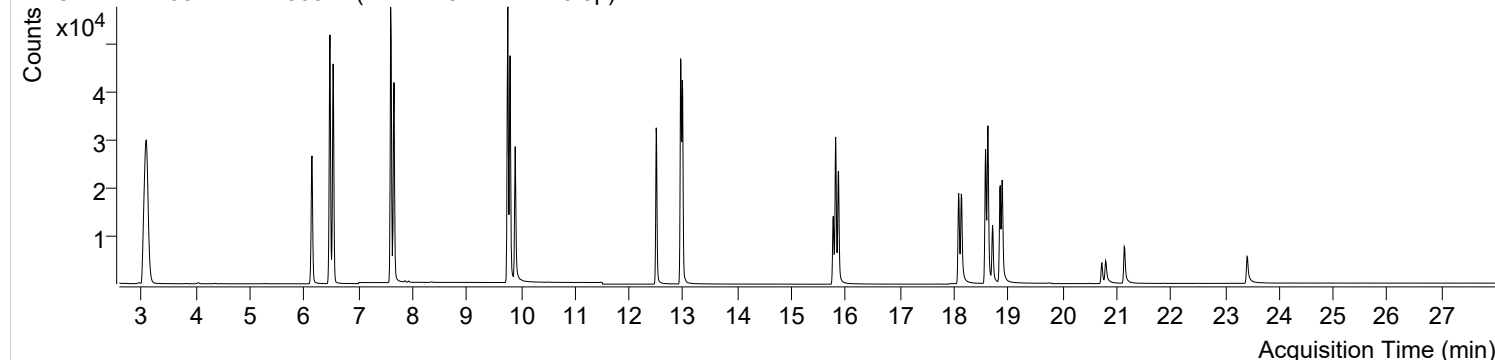


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 3:35:37	Data File	221007-PAHs-009.D
Type	Sample	Name	PAHs-19mix-STD-0.5p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

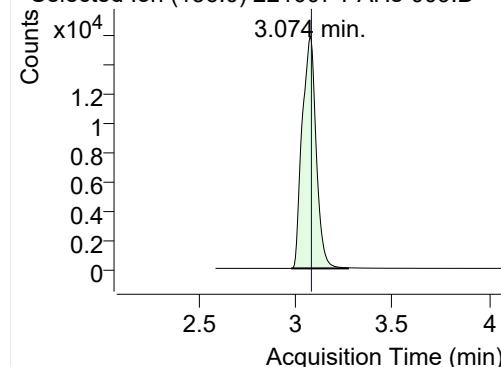
+ TIC SIM 221007-PAHs-009.D (PAHs-19mix-STD-0.5p)



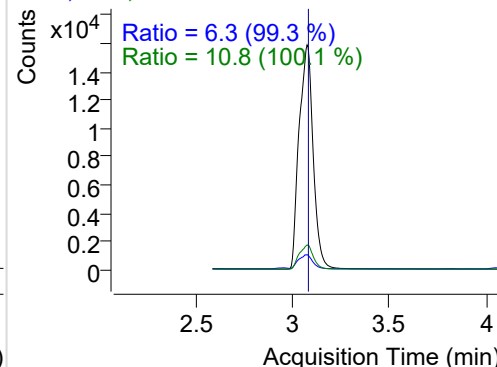
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	79332	15835.67	ND ng/ml	10.8
Naphthalene	3.101	128.0	56227	11365.22	ND ng/ml	12.9
Acenaphthylene	6.143	152.0	40067	19985.92	ND ng/ml	19.7
IS-D10-Acenaphthene	6.475	164.0	43346	24595.19	ND ng/ml	99.0
Acenaphthene	6.534	154.0	28926	15983.05	ND ng/ml	109.1
LSS-D10-Fluorene	7.596	176.0	45045	24938.05	ND ng/ml	94.9
Fluorene	7.659	166.0	33772	19847.17	ND ng/ml	93.9
IS-D10-Phenanthrene	9.759	188.0	72630	46293.42	ND ng/ml	15.2
Phenanthrene	9.801	178.0	49136	29908.30	ND ng/ml	19.0
Anthracene	9.895	178.0	35305	18681.62	ND ng/ml	17.7
Fluoranthene	12.499	202.0	42334	25177.08	ND ng/ml	17.0
LSS-D10-Pyrene	12.949	212.0	56904	34246.74	ND ng/ml	18.6
Pyrene	12.982	202.0	51506	30342.27	ND ng/ml	17.7
Benz(a)anthracene	15.768	228.0	18093	9666.00	ND ng/ml	26.9
IS-D12-Chrysene	15.811	240.0	39151	22023.35	ND ng/ml	19.1
Chrysene	15.865	228.0	29892	15135.22	ND ng/ml	29.6
Benzo(b)fluoranthene	18.082	252.0	21142	11063.32	ND ng/ml	21.4
Benzo(k)fluoranthene	18.132	252.0	24912	10753.57	ND ng/ml	21.3
SS-D12-Benzo(e)pyrene	18.580	264.0	37172	18670.29	ND ng/ml	26.7
Benzo(e)pyrene	18.623	252.0	31574	16893.79	ND ng/ml	22.8
Benzo(a)pyrene	18.708	252.0	12938	6519.44	ND ng/ml	22.4
IS-D12-Perylene	18.851	264.0	28634	13507.22	ND ng/ml	24.2
Perylene	18.886	252.0	21774	10543.81	ND ng/ml	22.5
Indeno(1,2,3-c,d)pyrene	20.728	276.0	7531	3437.73	ND ng/ml	20.3
Dibenz(a,h)anthracene	20.797	278.0	6829	2455.57	ND ng/ml	23.3
Benzo(g,h,i)perylene	21.141	276.0	15079	5928.55	ND ng/ml	22.4
Coronene	23.408	300.0	11232	3595.13	ND ng/ml	26.8

IS-D8-Naphthalene

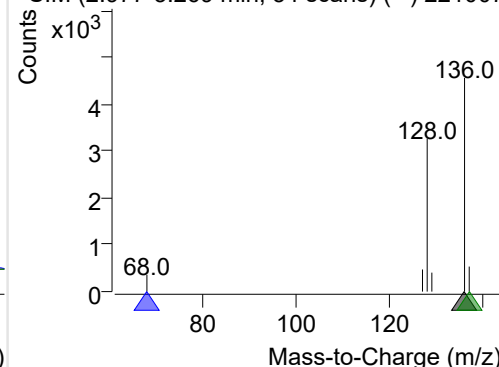
+ Selected Ion (136.0) 221007-PAHs-009.D



136.0, 68.0, 137.0

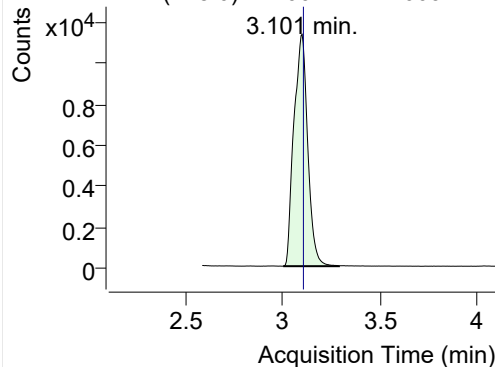


+ SIM (2.977-3.269 min, 54 scans) (**) 221007

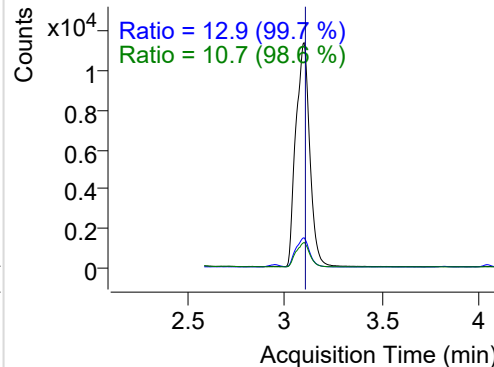


Naphthalene

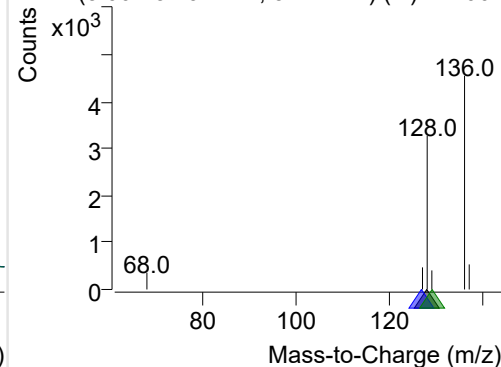
+ Selected Ion (128.0) 221007-PAHs-009.D



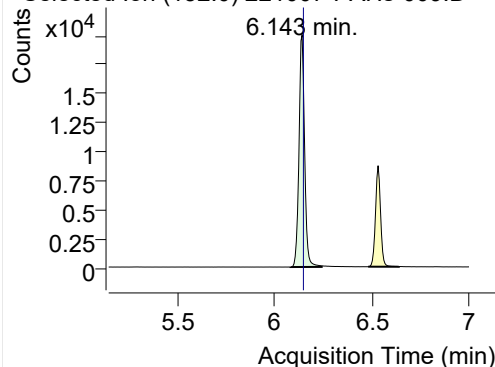
128.0, 127.0, 129.0



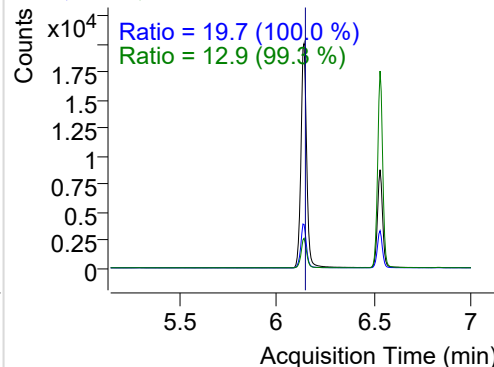
+ SIM (3.004-3.291 min, 54 scans) (**) 221007

**Acenaphthylene**

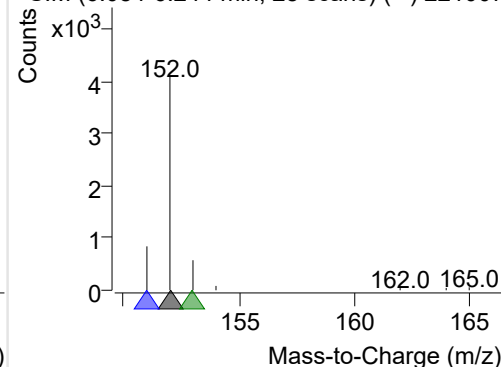
+ Selected Ion (152.0) 221007-PAHs-009.D



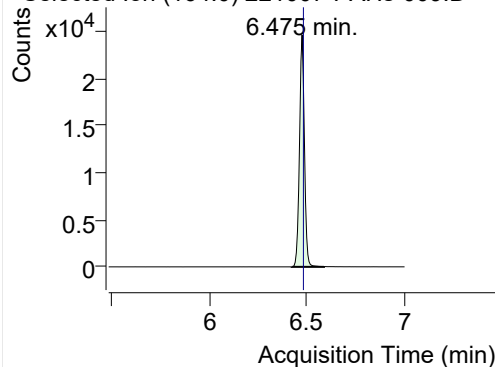
152.0, 151.0, 153.0



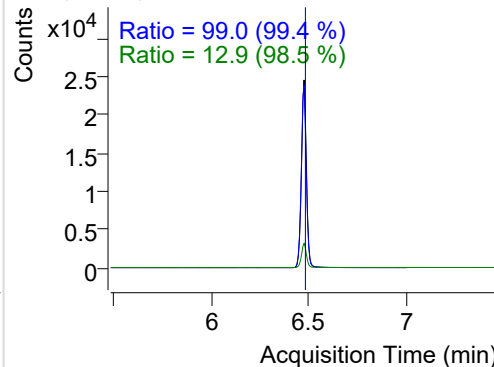
+ SIM (6.084-6.244 min, 28 scans) (**) 221007

**IS-D10-Acenaphthene**

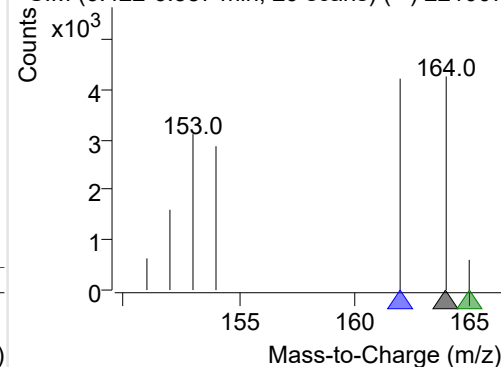
+ Selected Ion (164.0) 221007-PAHs-009.D



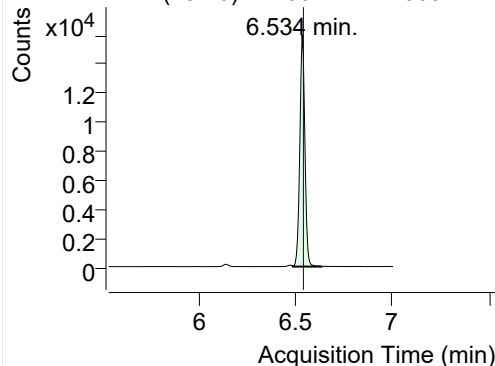
164.0, 162.0, 165.0



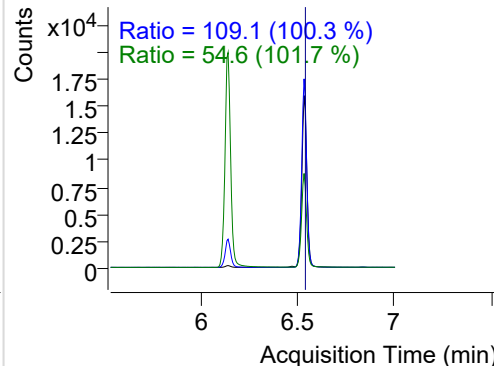
+ SIM (6.422-6.587 min, 29 scans) (**) 221007

**Acenaphthene**

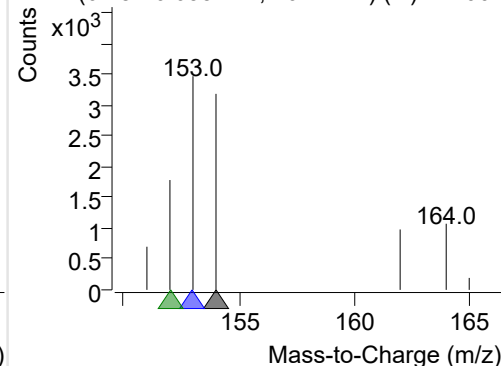
+ Selected Ion (154.0) 221007-PAHs-009.D



154.0, 153.0, 152.0

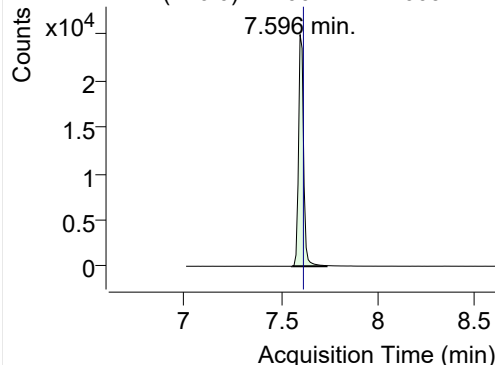


+ SIM (6.487-6.635 min, 26 scans) (**) 221007

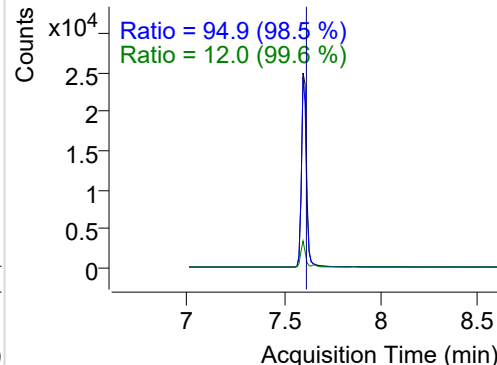


LSS-D10-Fluorene

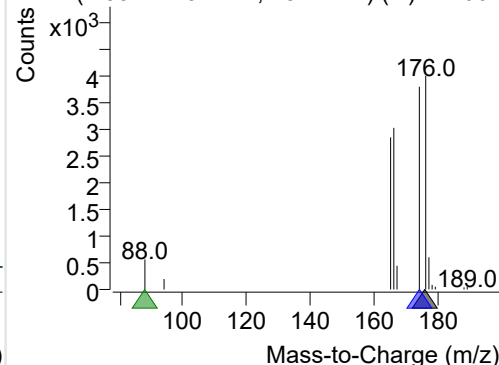
+ Selected Ion (176.0) 221007-PAHs-009.D



176.0, 174.0, 88.0

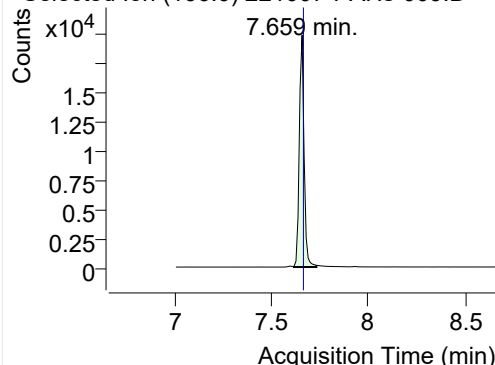


+ SIM (7.554-7.732 min, 18 scans) (**) 221007

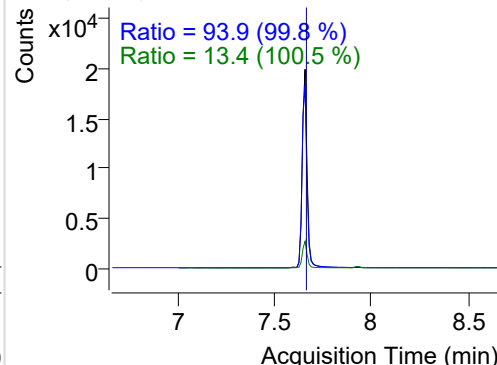


Fluorene

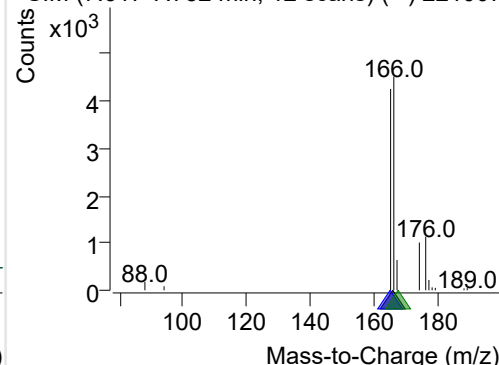
+ Selected Ion (166.0) 221007-PAHs-009.D



166.0, 165.0, 167.0

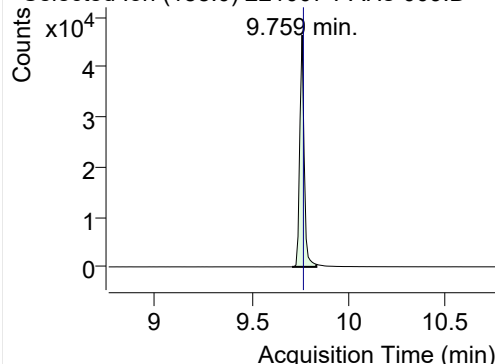


+ SIM (7.617-7.732 min, 12 scans) (**) 221007

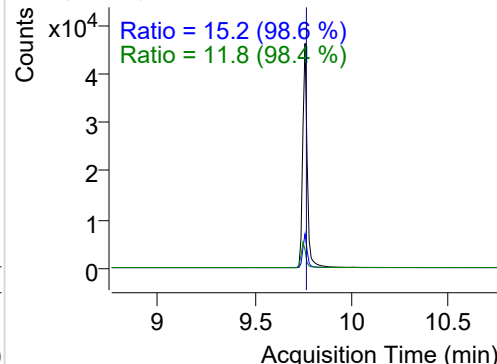


IS-D10-Phenanthrene

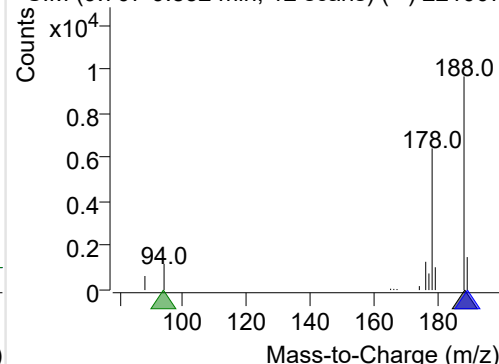
+ Selected Ion (188.0) 221007-PAHs-009.D



188.0, 189.0, 94.0

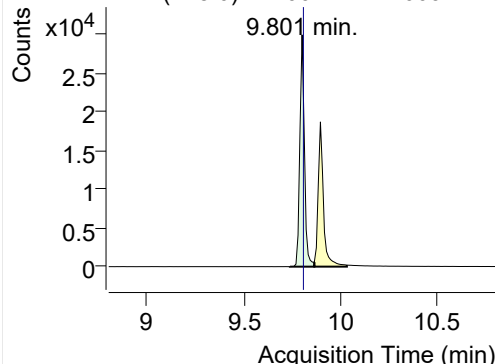


+ SIM (9.707-9.832 min, 12 scans) (**) 221007

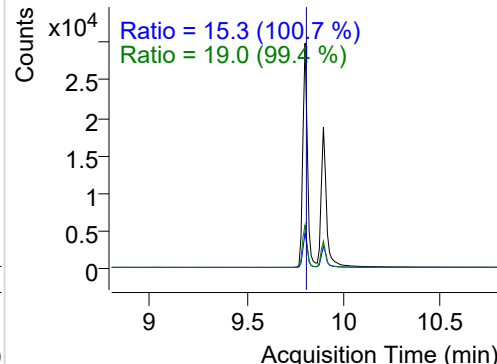


Phenanthrene

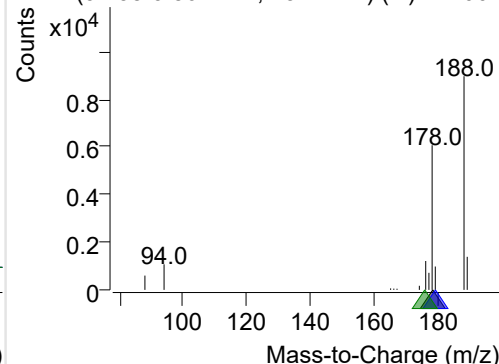
+ Selected Ion (178.0) 221007-PAHs-009.D



178.0, 179.0, 176.0

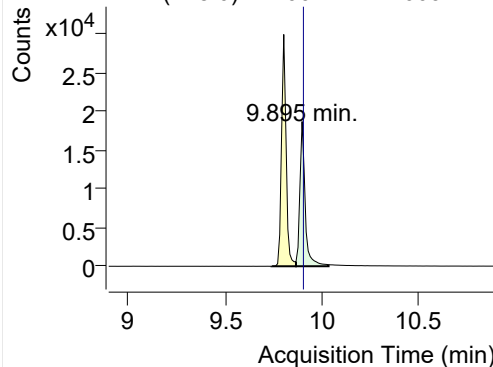


+ SIM (9.738-9.864 min, 13 scans) (**) 221007

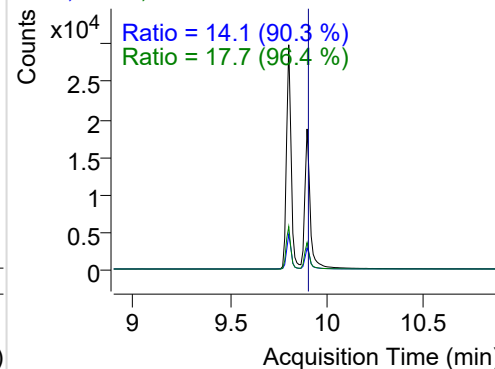


Anthracene

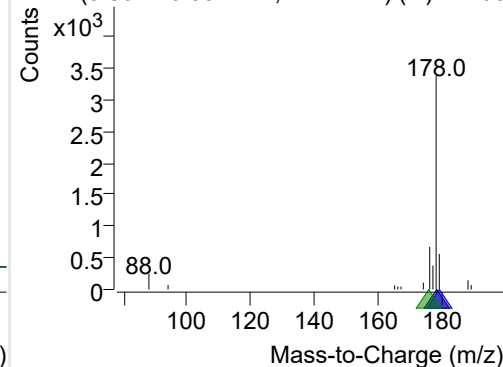
+ Selected Ion (178.0) 221007-PAHs-009.D



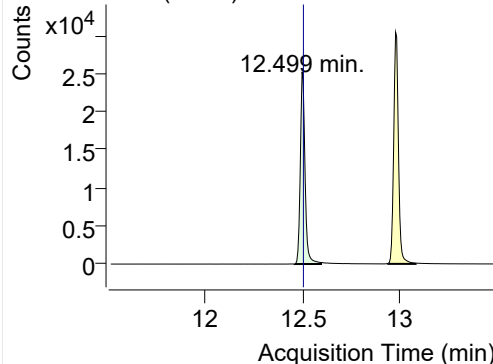
178.0, 179.0, 176.0



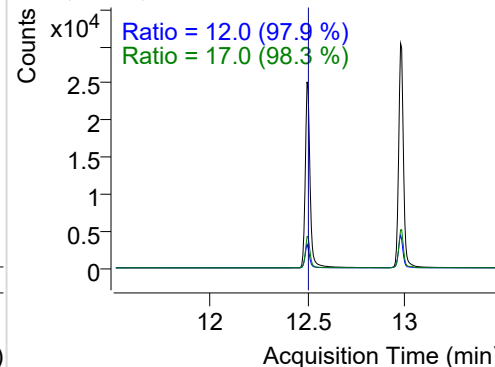
+ SIM (9.864-10.032 min, 17 scans) (**) 22100

**Fluoranthene**

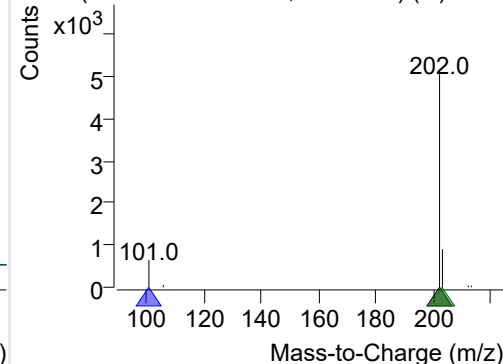
+ Selected Ion (202.0) 221007-PAHs-009.D



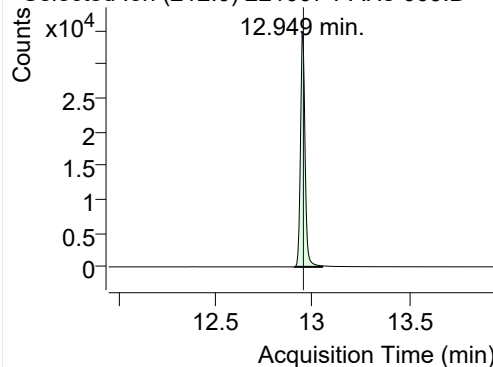
202.0, 101.0, 203.0



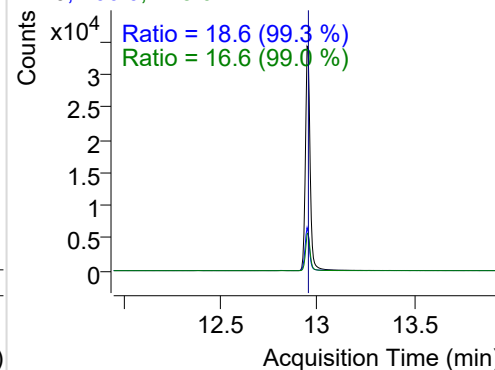
+ SIM (12.461-12.597 min, 26 scans) (**) 2210

**LSS-D10-Pyrene**

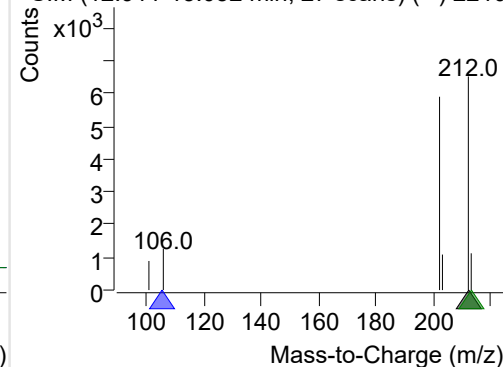
+ Selected Ion (212.0) 221007-PAHs-009.D



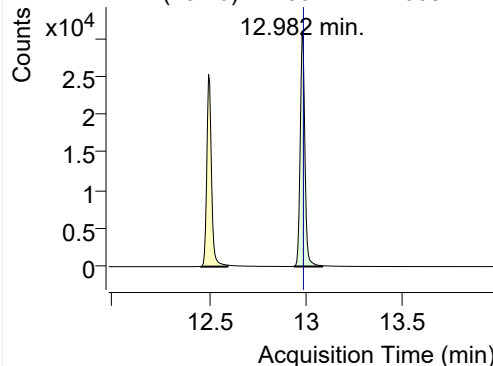
212.0, 106.0, 213.0



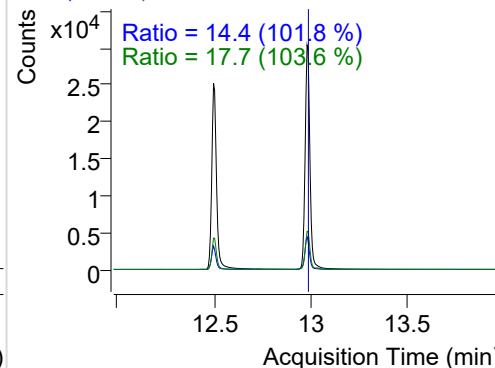
+ SIM (12.911-13.052 min, 27 scans) (**) 2210

**Pyrene**

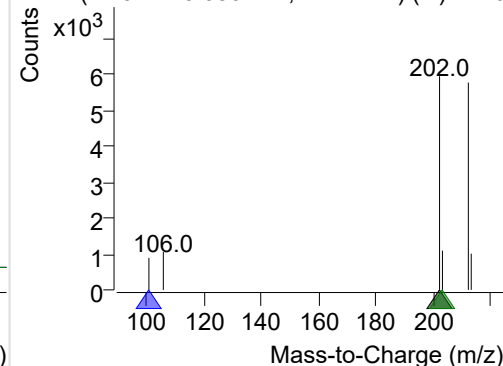
+ Selected Ion (202.0) 221007-PAHs-009.D



202.0, 101.0, 203.0

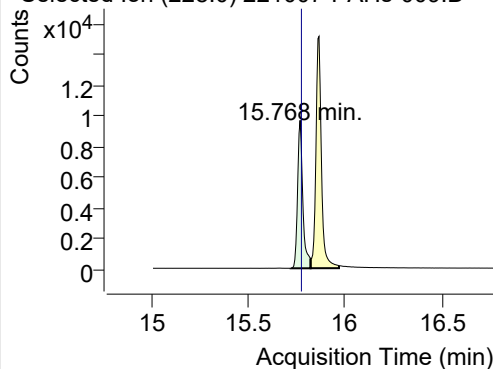


+ SIM (12.944-13.085 min, 27 scans) (**) 2210

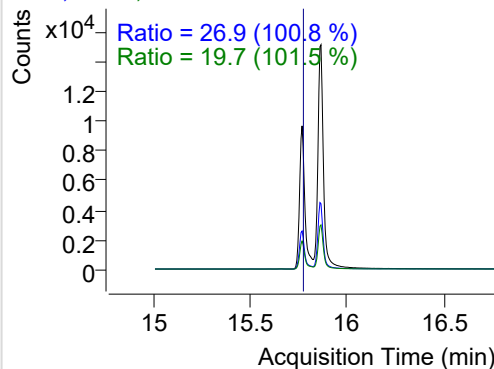


Benz(a)anthracene

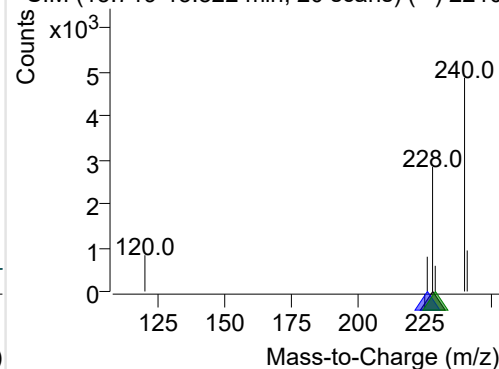
+ Selected Ion (228.0) 221007-PAHs-009.D



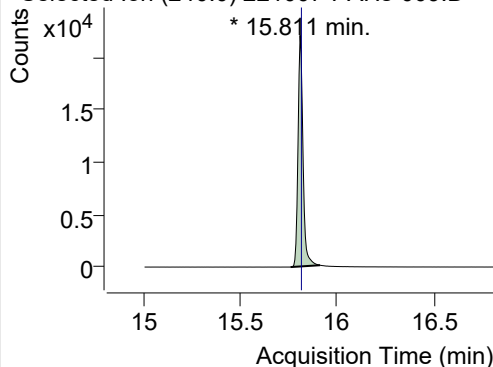
228.0, 226.0, 229.0



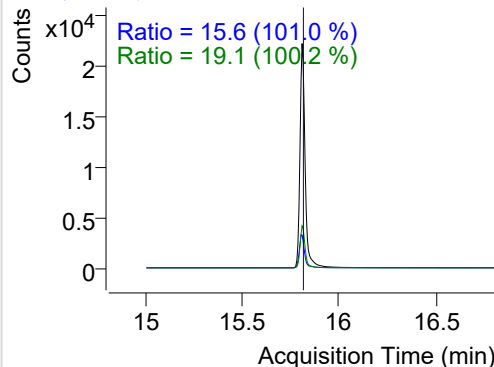
+ SIM (15.719-15.822 min, 20 scans) (**) 2210

**IS-D12-Chrysene**

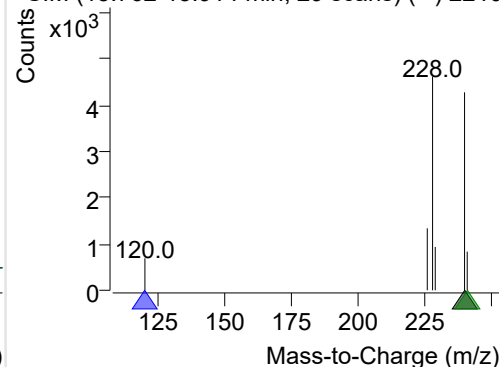
+ Selected Ion (240.0) 221007-PAHs-009.D



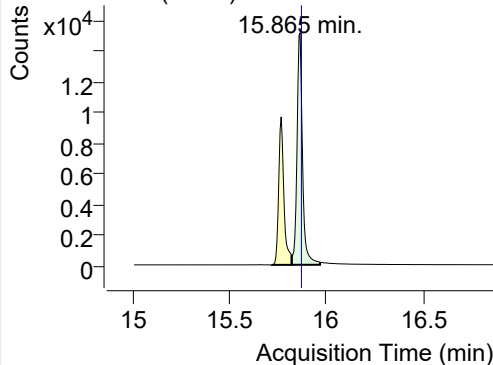
240.0, 120.0, 241.0



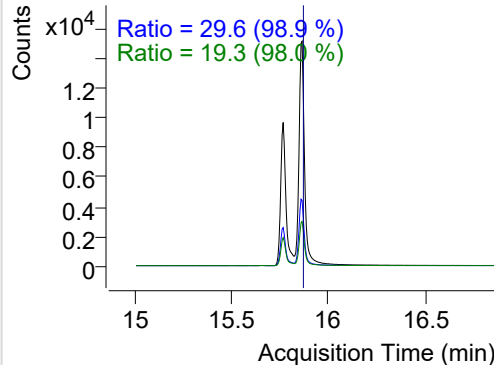
+ SIM (15.762-15.914 min, 29 scans) (**) 2210

**Chrysene**

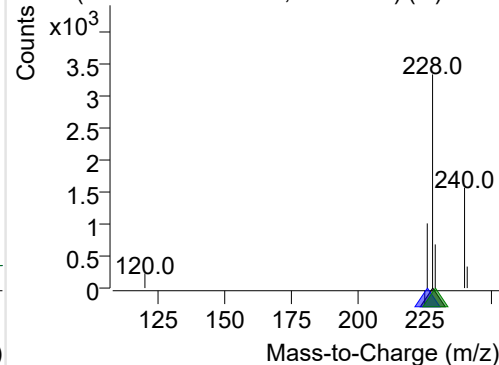
+ Selected Ion (228.0) 221007-PAHs-009.D



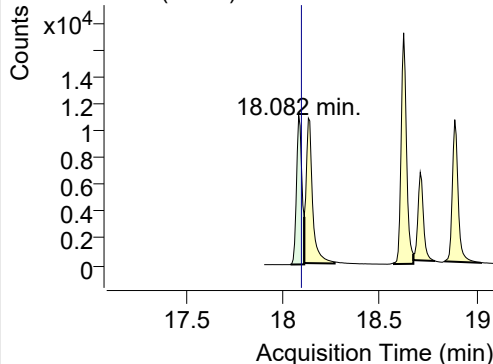
228.0, 226.0, 229.0



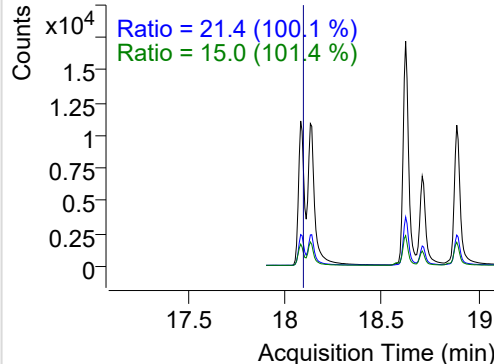
+ SIM (15.822-15.968 min, 28 scans) (**) 2210

**Benzo(b)fluoranthene**

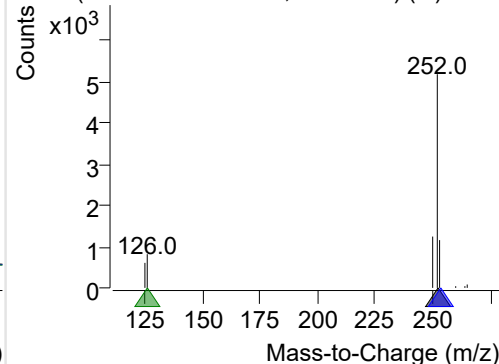
+ Selected Ion (252.0) 221007-PAHs-009.D



252.0, 253.0, 126.0

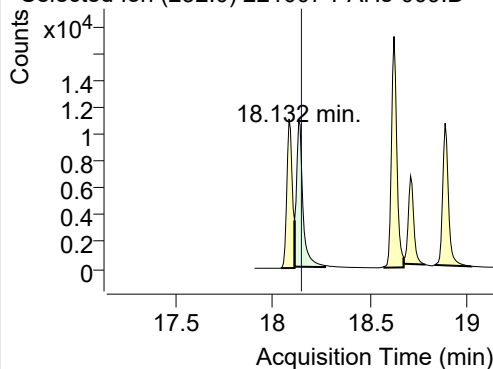


+ SIM (18.040-18.110 min, 10 scans) (**) 2210

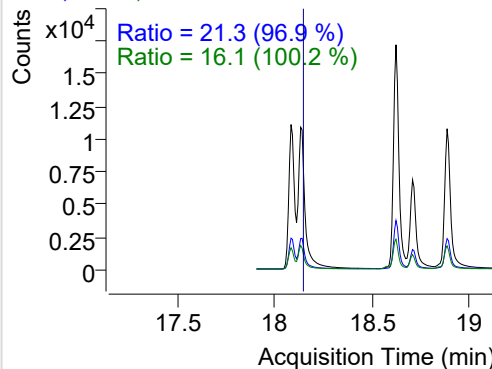


Benzo(k)fluoranthene

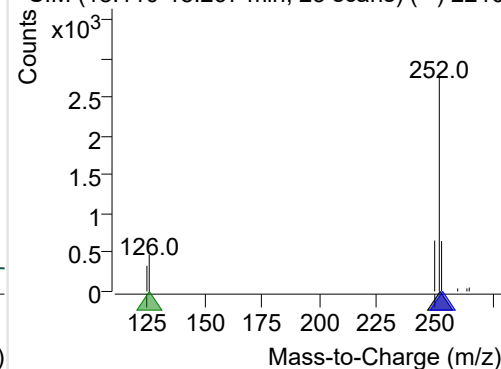
+ Selected Ion (252.0) 221007-PAHs-009.D



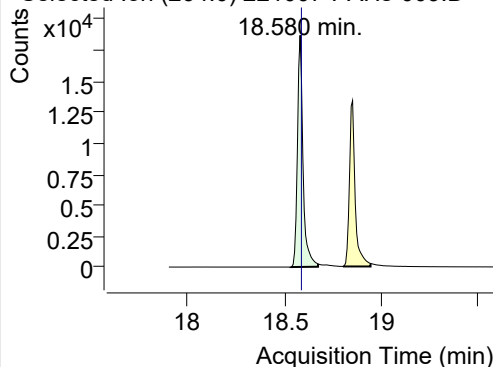
252.0, 253.0, 126.0



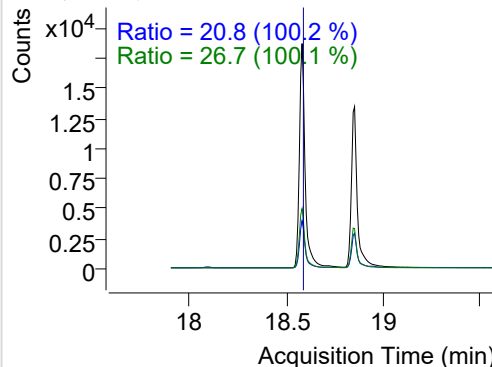
+ SIM (18.110-18.267 min, 23 scans) (**) 2210

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

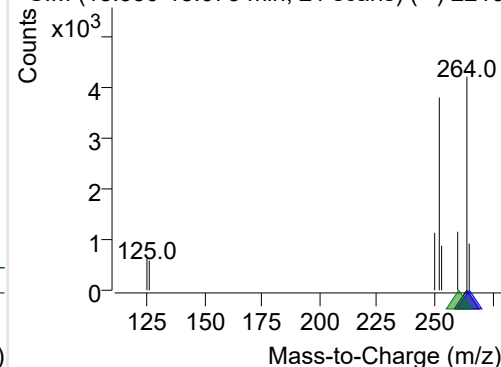
+ Selected Ion (264.0) 221007-PAHs-009.D



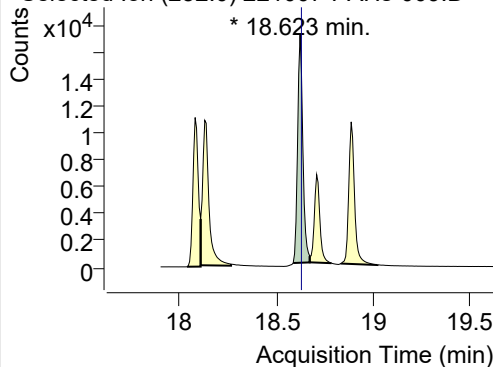
264.0, 265.0, 260.0



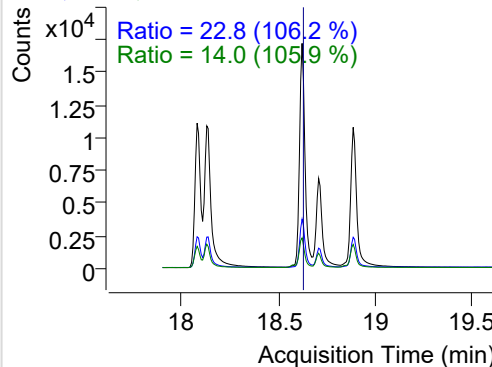
+ SIM (18.530-18.673 min, 21 scans) (**) 2210

**Benzo(e)pyrene**

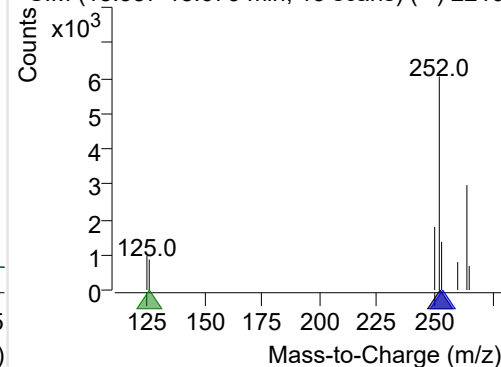
+ Selected Ion (252.0) 221007-PAHs-009.D



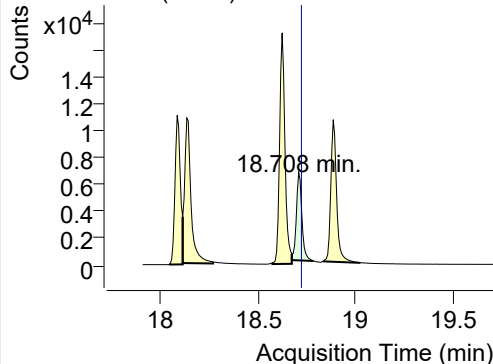
252.0, 253.0, 126.0



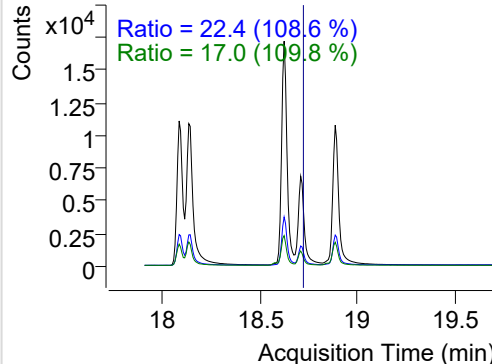
+ SIM (18.587-18.673 min, 13 scans) (**) 2210

**Benzo(a)pyrene**

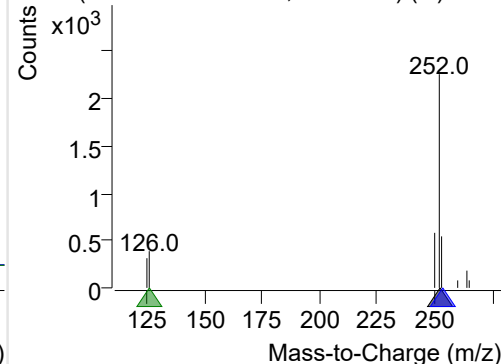
+ Selected Ion (252.0) 221007-PAHs-009.D



252.0, 253.0, 126.0

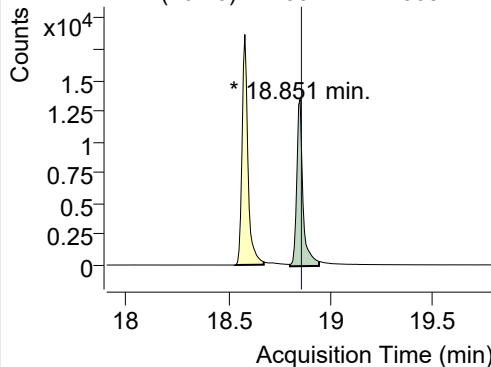


+ SIM (18.673-18.785 min, 16 scans) (**) 2210

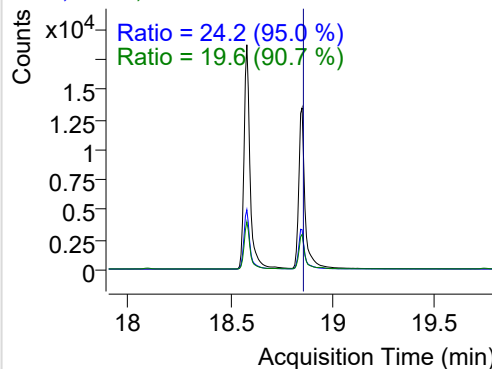


IS-D12-Perylene

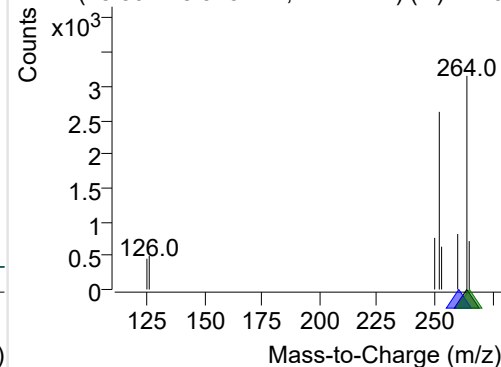
+ Selected Ion (264.0) 221007-PAHs-009.D



264.0, 260.0, 265.0

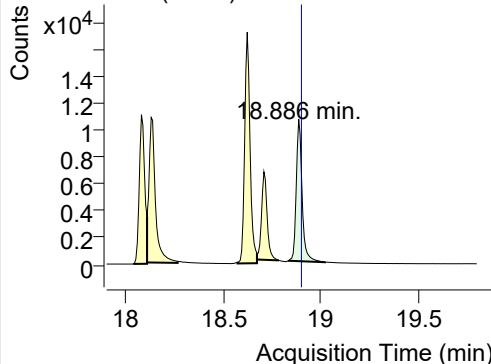


+ SIM (18.801-18.943 min, 21 scans) (**) 2210

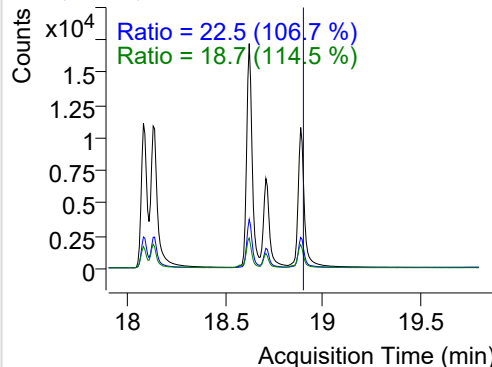


Perylene

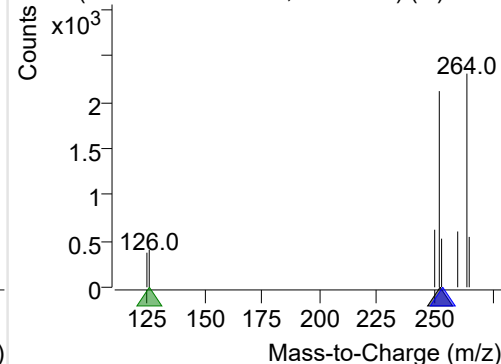
+ Selected Ion (252.0) 221007-PAHs-009.D



252.0, 253.0, 126.0

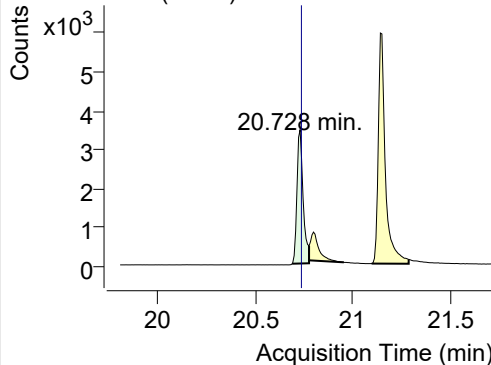


+ SIM (18.836-19.021 min, 27 scans) (**) 2210

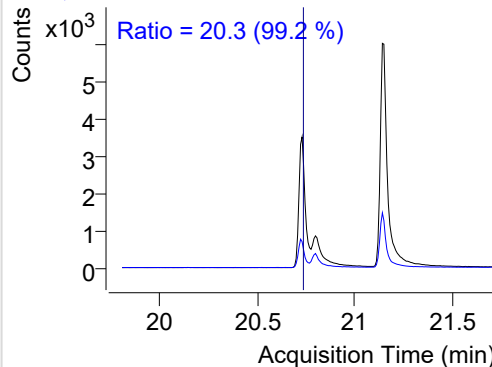


Indeno(1,2,3-c,d)pyrene

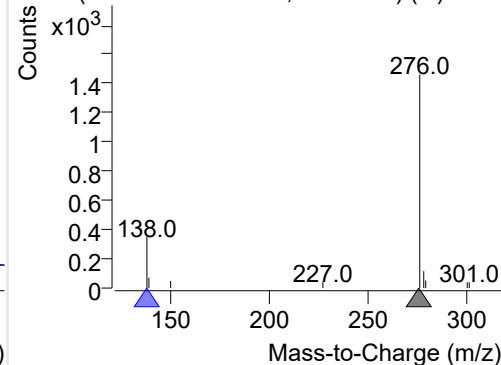
+ Selected Ion (276.0) 221007-PAHs-009.D



276.0, 138.0

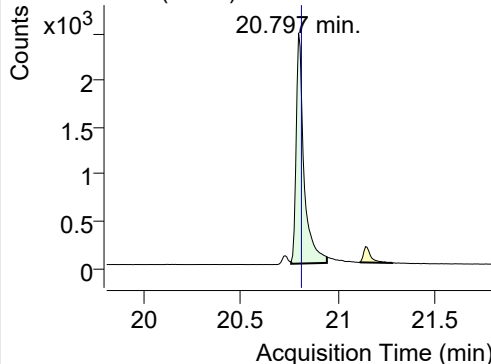


+ SIM (20.687-20.774 min, 12 scans) (**) 2210

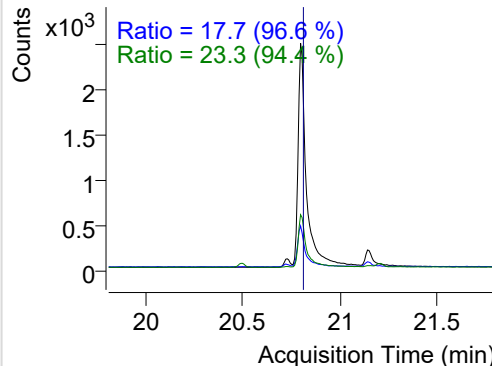


Dibenz(a,h)anthracene

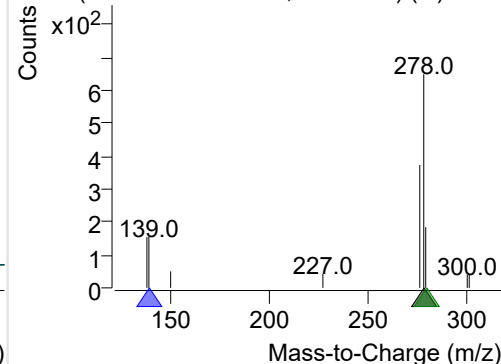
+ Selected Ion (278.0) 221007-PAHs-009.D



278.0, 139.0, 279.0

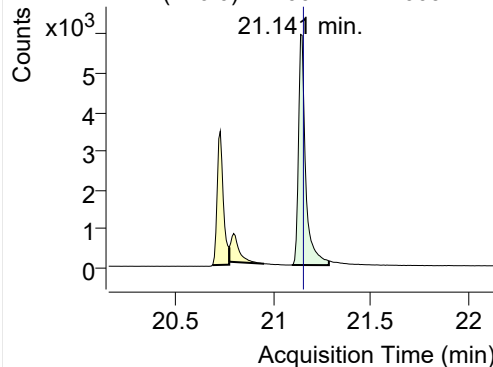


+ SIM (20.759-20.942 min, 25 scans) (**) 2210

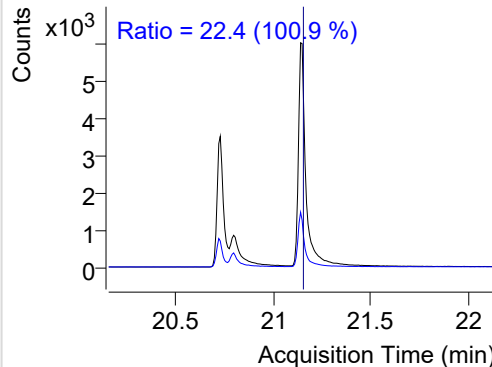


Benzo(g,h,i)perylene

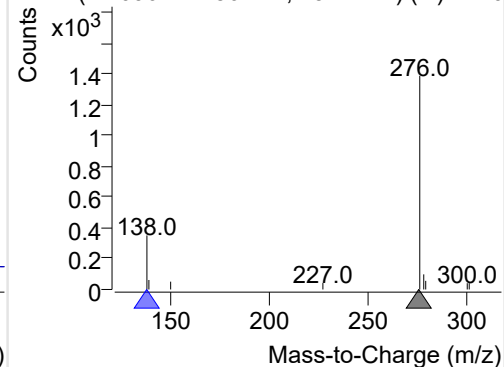
+ Selected Ion (276.0) 221007-PAHs-009.D



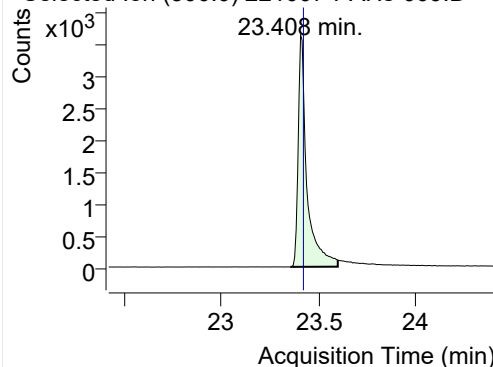
276.0, 138.0



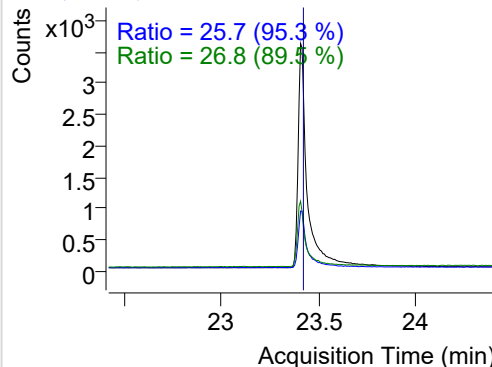
+ SIM (21.096-21.286 min, 25 scans) (**) 2210

**Coronene**

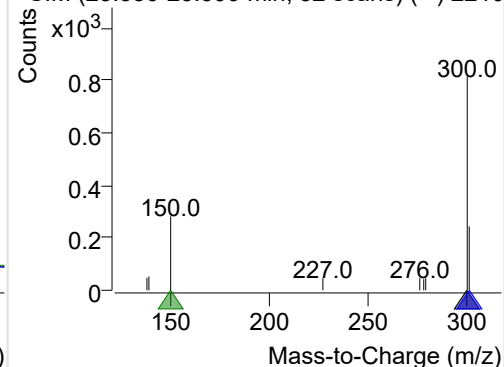
+ Selected Ion (300.0) 221007-PAHs-009.D



300.0, 301.0, 150.0



+ SIM (23.356-23.599 min, 32 scans) (**) 2210



Quantitative Analysis Sample Based Report

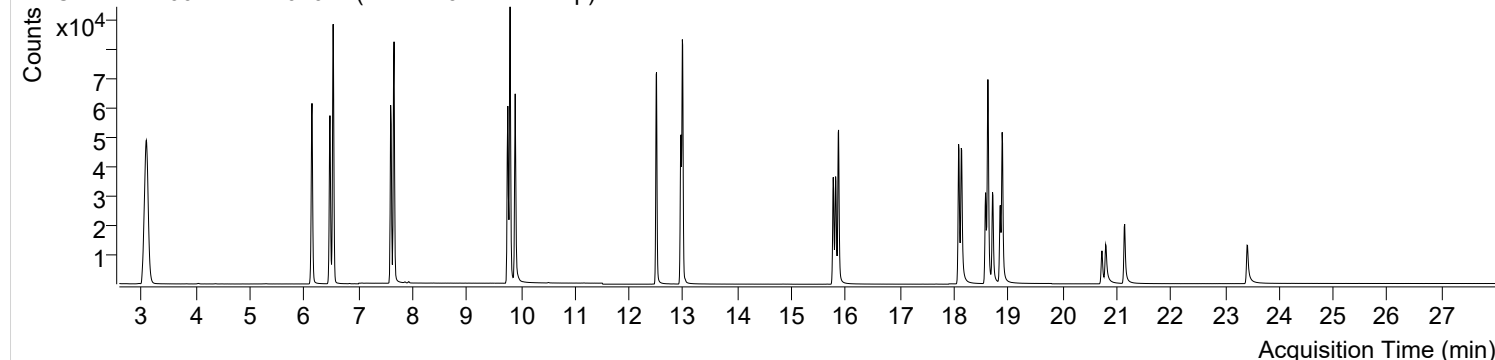


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 4:06:39	Data File	221007-PAHs-010.D
Type	Sample	Name	PAHs-19mix-STD-1p
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

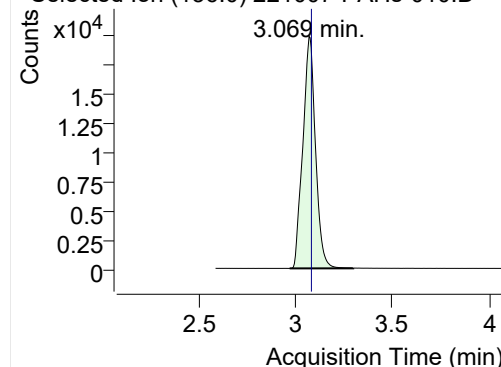
+ TIC SIM 221007-PAHs-010.D (PAHs-19mix-STD-1p)



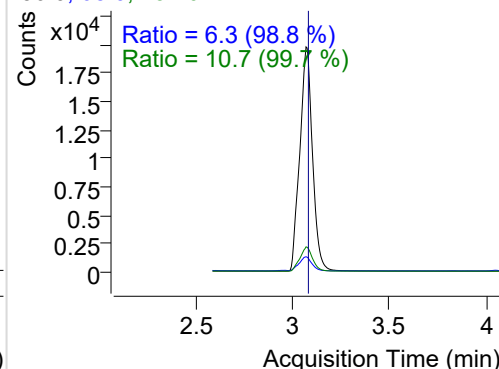
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.069	136.0	89724	19798.16	ND ng/ml	10.7
Naphthalene	3.096	128.0	114998	25013.86	ND ng/ml	12.9
Acenaphthylene	6.144	152.0	86794	46117.86	ND ng/ml	19.6
IS-D10-Acenaphthene	6.475	164.0	46760	27082.81	ND ng/ml	99.0
Acenaphthene	6.534	154.0	54915	31019.83	ND ng/ml	108.7
LSS-D10-Fluorene	7.596	176.0	47340	26270.62	ND ng/ml	95.5
Fluorene	7.659	166.0	66106	39502.76	ND ng/ml	93.9
IS-D10-Phenanthrene	9.759	188.0	77749	48614.68	ND ng/ml	15.1
Phenanthrene	9.801	178.0	97308	60742.00	ND ng/ml	19.4
Anthracene	9.896	178.0	76273	42799.74	ND ng/ml	18.0
Fluoranthene	12.505	202.0	90541	55965.51	ND ng/ml	17.1
LSS-D10-Pyrene	12.955	212.0	60305	36526.10	ND ng/ml	18.7
Pyrene	12.982	202.0	102964	61045.13	ND ng/ml	17.5
Benz(a)anthracene	15.768	228.0	44946	24823.04	ND ng/ml	26.9
IS-D12-Chrysene	15.811	240.0	46531	25433.98	ND ng/ml	19.2
Chrysene	15.865	228.0	64311	34559.58	ND ng/ml	29.4
Benzo(b)fluoranthene	18.082	252.0	49957	27719.27	ND ng/ml	21.3
Benzo(k)fluoranthene	18.139	252.0	60986	26843.98	ND ng/ml	21.3
SS-D12-Benzo(e)pyrene	18.580	264.0	40336	20526.71	ND ng/ml	27.1
Benzo(e)pyrene	18.623	252.0	69039	36925.77	ND ng/ml	22.2
Benzo(a)pyrene	18.708	252.0	36141	17458.91	ND ng/ml	20.7
IS-D12-Perylene	18.851	264.0	33928	17168.54	ND ng/ml	24.8
Perylene	18.886	252.0	51231	26153.46	ND ng/ml	22.2
Indeno(1,2,3-c,d)pyrene	20.728	276.0	19662	9061.81	ND ng/ml	20.5
Dibenz(a,h)anthracene	20.797	278.0	18842	6869.10	ND ng/ml	24.1
Benzo(g,h,i)perylene	21.148	276.0	36943	16139.18	ND ng/ml	23.1
Coronene	23.416	300.0	26020	8588.12	ND ng/ml	27.9

IS-D8-Naphthalene

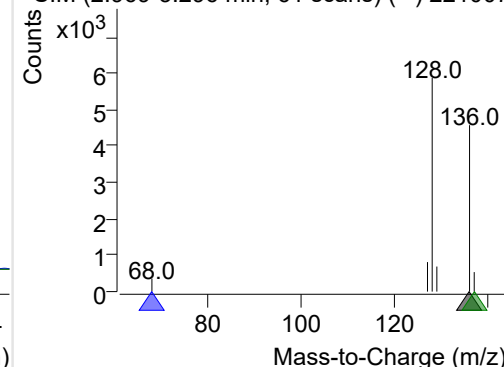
+ Selected Ion (136.0) 221007-PAHs-010.D



136.0, 68.0, 137.0

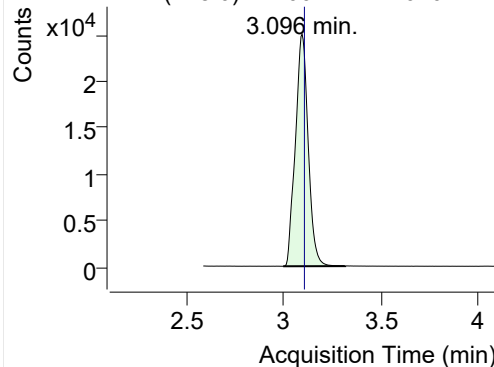


+ SIM (2.969-3.296 min, 61 scans) (**) 221007

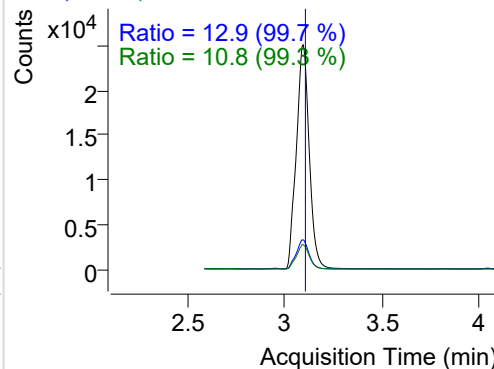


Naphthalene

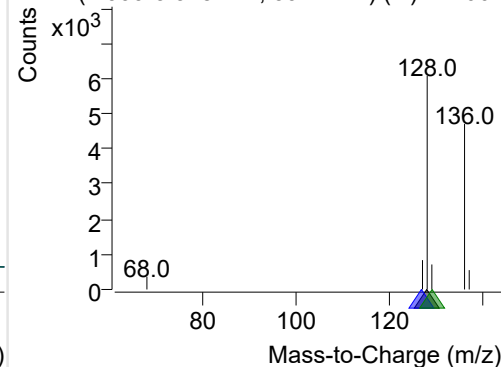
+ Selected Ion (128.0) 221007-PAHs-010.D



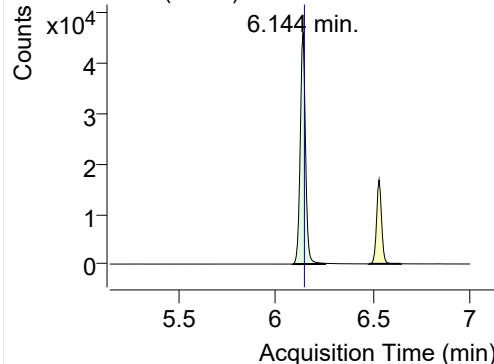
128.0, 127.0, 129.0



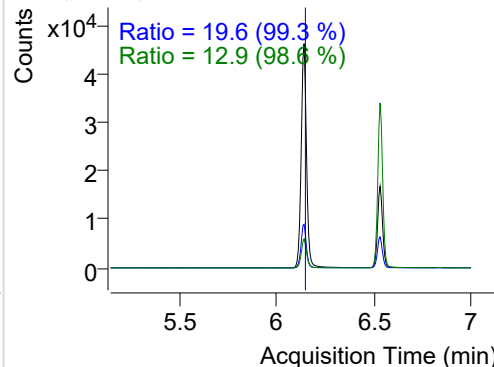
+ SIM (2.999-3.318 min, 59 scans) (**) 221007

**Acenaphthylene**

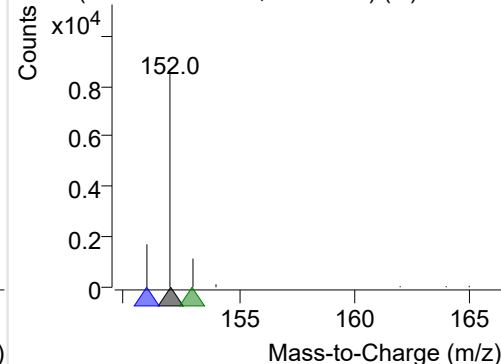
+ Selected Ion (152.0) 221007-PAHs-010.D



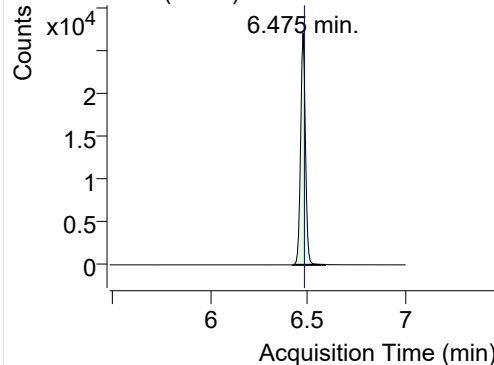
152.0, 151.0, 153.0



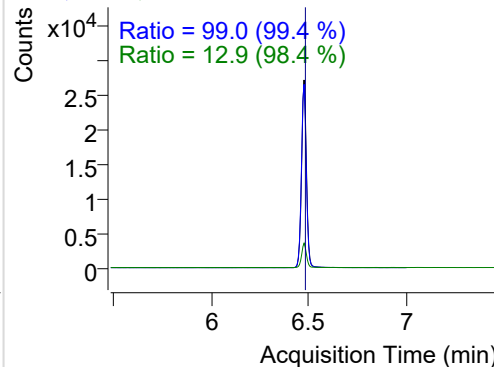
+ SIM (6.090-6.256 min, 29 scans) (**) 221007

**IS-D10-Acenaphthene**

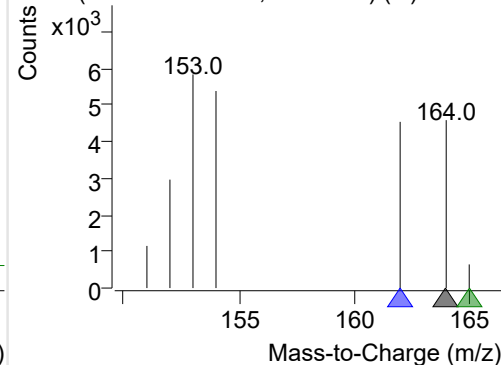
+ Selected Ion (164.0) 221007-PAHs-010.D



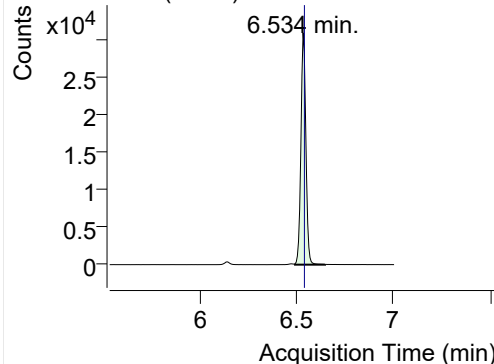
164.0, 162.0, 165.0



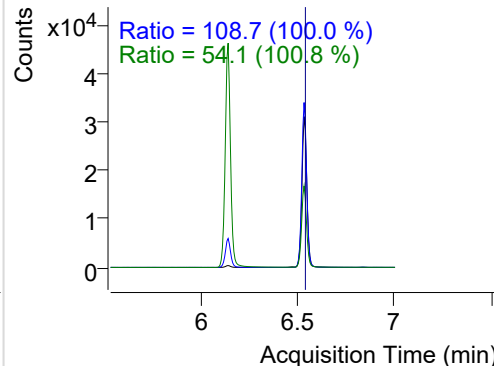
+ SIM (6.422-6.587 min, 29 scans) (**) 221007

**Acenaphthene**

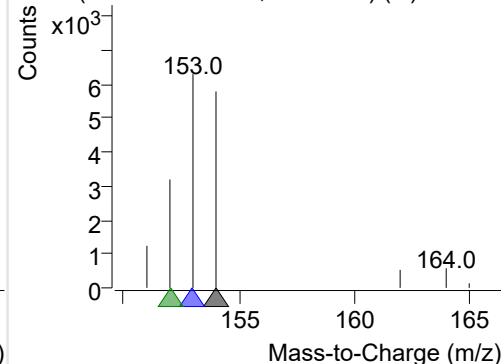
+ Selected Ion (154.0) 221007-PAHs-010.D



154.0, 153.0, 152.0

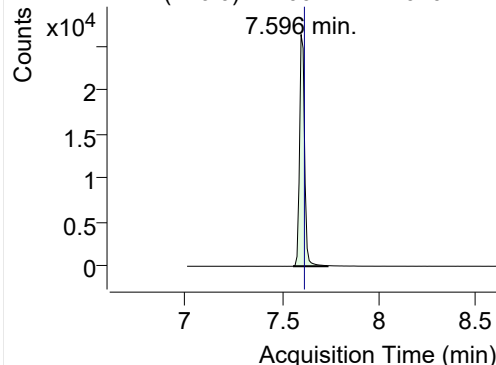


+ SIM (6.493-6.647 min, 27 scans) (**) 221007

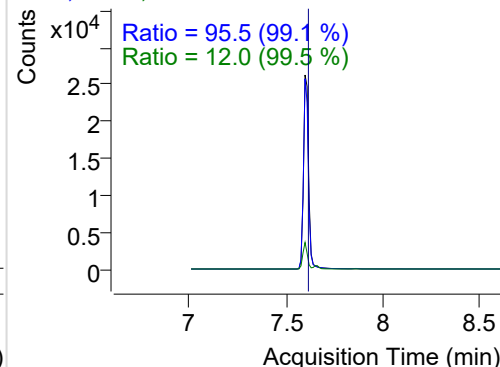


LSS-D10-Fluorene

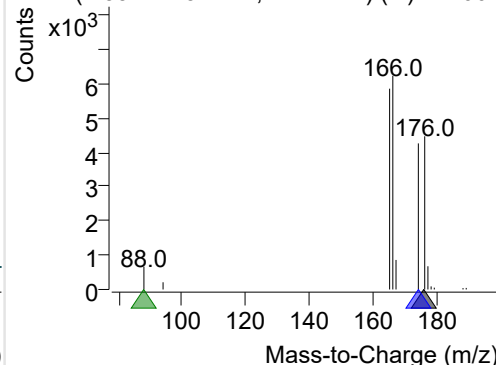
+ Selected Ion (176.0) 221007-PAHs-010.D



176.0, 174.0, 88.0

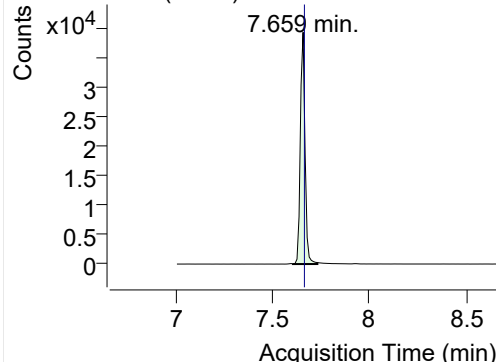


+ SIM (7.554-7.732 min, 17 scans) (**) 221007

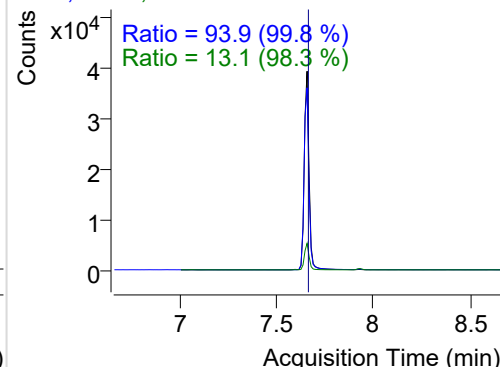


Fluorene

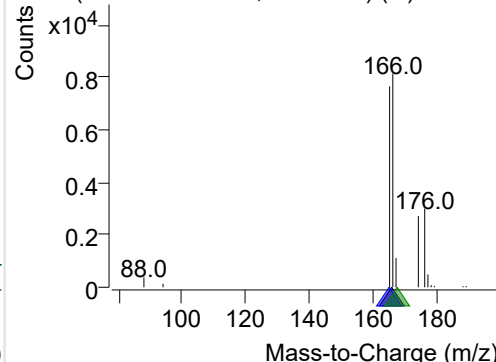
+ Selected Ion (166.0) 221007-PAHs-010.D



166.0, 165.0, 167.0

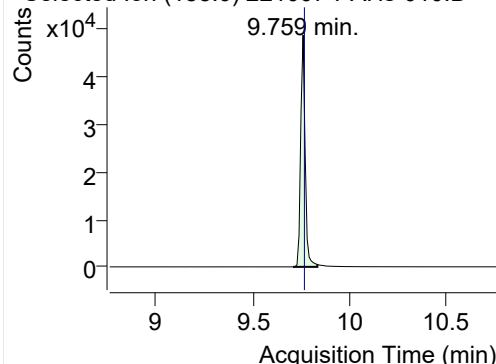


+ SIM (7.606-7.732 min, 13 scans) (**) 221007

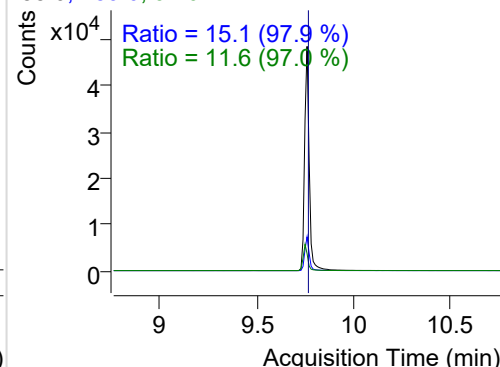


IS-D10-Phenanthrene

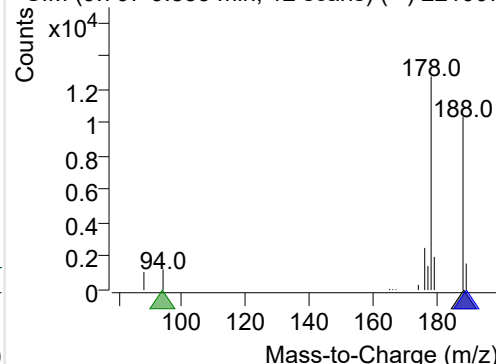
+ Selected Ion (188.0) 221007-PAHs-010.D



188.0, 189.0, 94.0

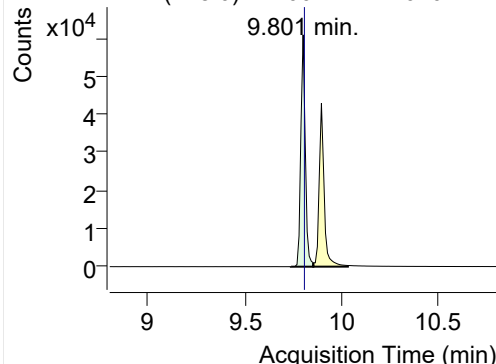


+ SIM (9.707-9.833 min, 12 scans) (**) 221007

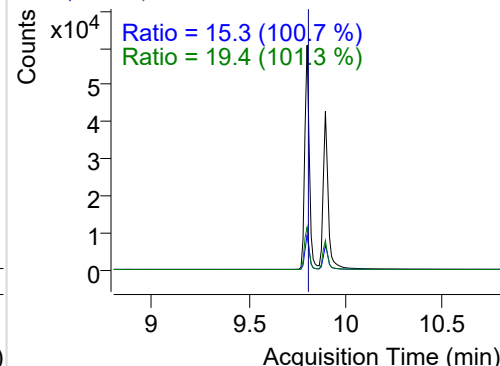


Phenanthrene

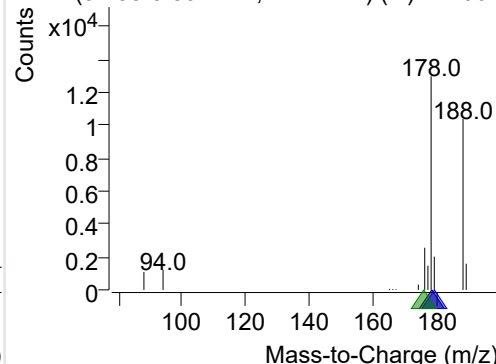
+ Selected Ion (178.0) 221007-PAHs-010.D



178.0, 179.0, 176.0

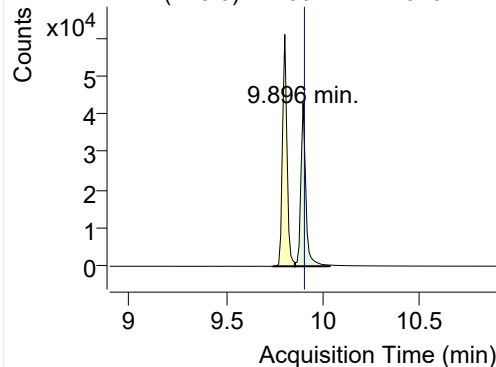


+ SIM (9.738-9.854 min, 12 scans) (**) 221007

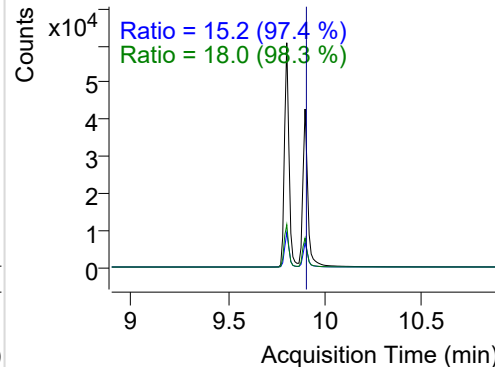


Anthracene

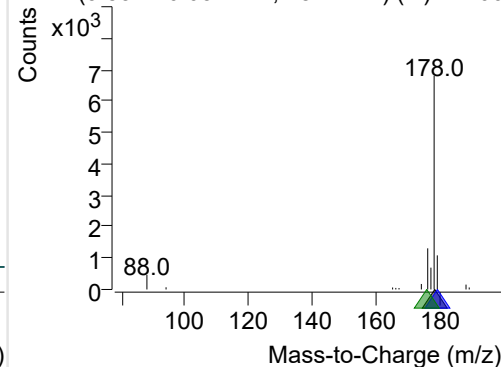
+ Selected Ion (178.0) 221007-PAHs-010.D



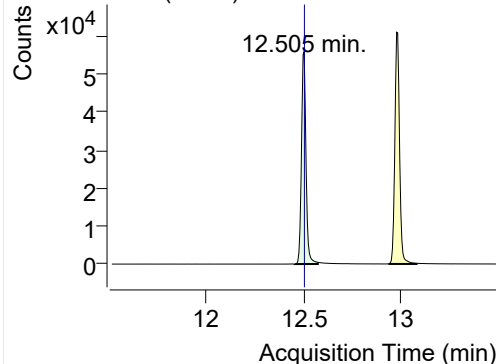
178.0, 179.0, 176.0



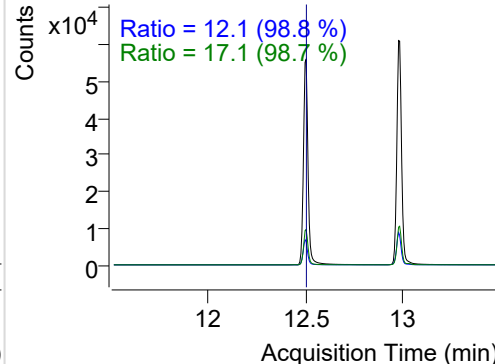
+ SIM (9.854-10.032 min, 18 scans) (**) 22100

**Fluoranthene**

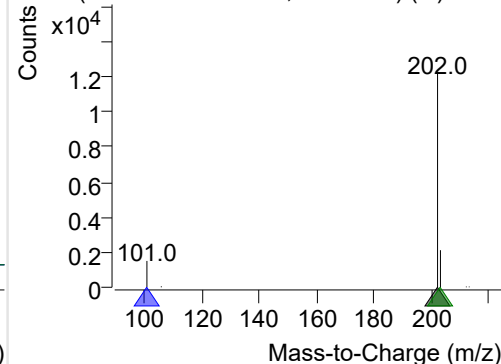
+ Selected Ion (202.0) 221007-PAHs-010.D



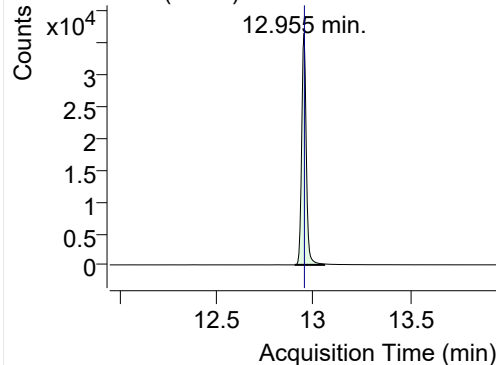
202.0, 101.0, 203.0



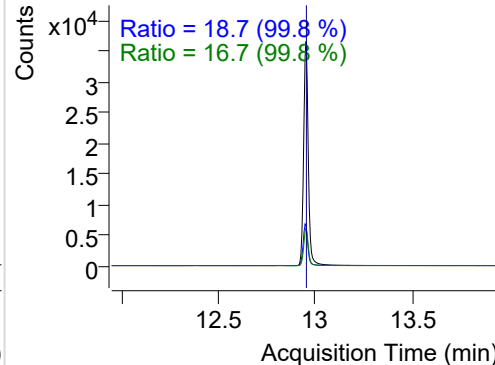
+ SIM (12.456-12.575 min, 23 scans) (**) 2210

**LSS-D10-Pyrene**

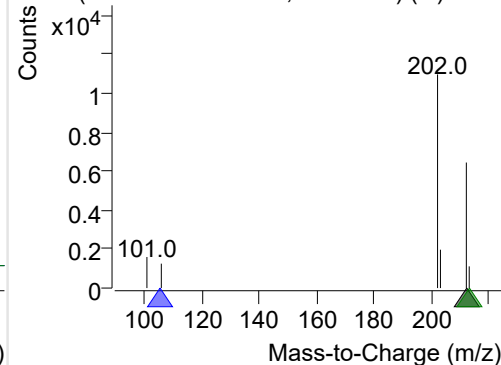
+ Selected Ion (212.0) 221007-PAHs-010.D



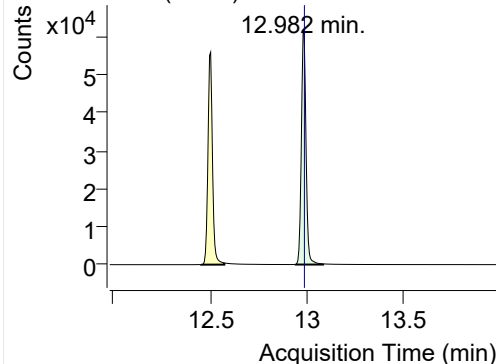
212.0, 106.0, 213.0



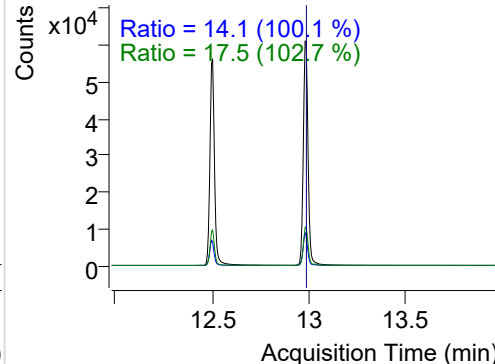
+ SIM (12.906-13.057 min, 29 scans) (**) 2210

**Pyrene**

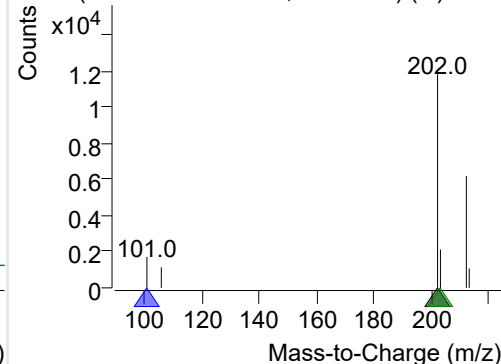
+ Selected Ion (202.0) 221007-PAHs-010.D



202.0, 101.0, 203.0

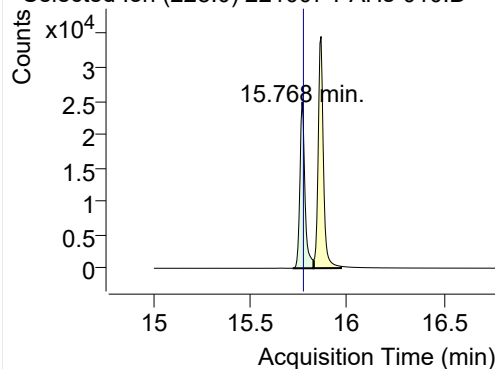


+ SIM (12.944-13.085 min, 27 scans) (**) 2210

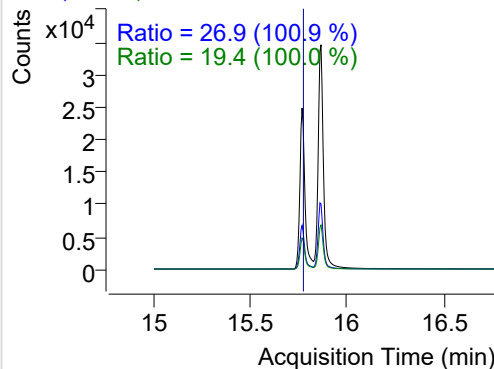


Benz(a)anthracene

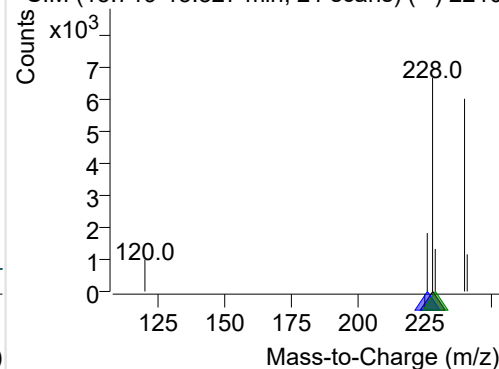
+ Selected Ion (228.0) 221007-PAHs-010.D



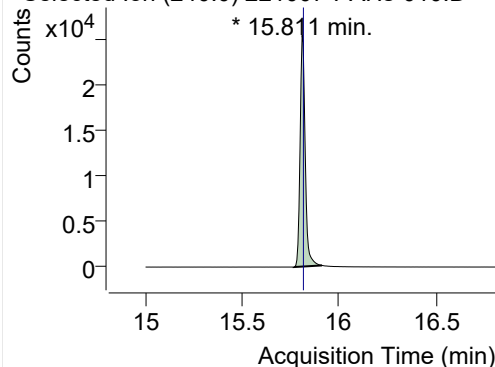
228.0, 226.0, 229.0



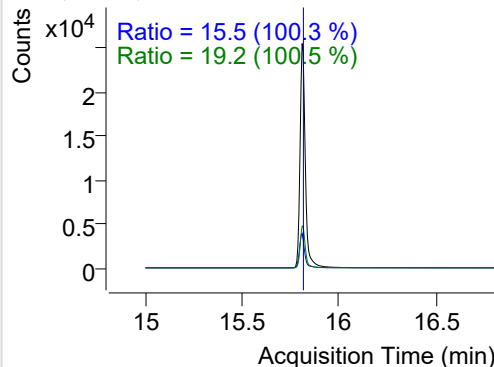
+ SIM (15.719-15.827 min, 21 scans) (**) 2210

**IS-D12-Chrysene**

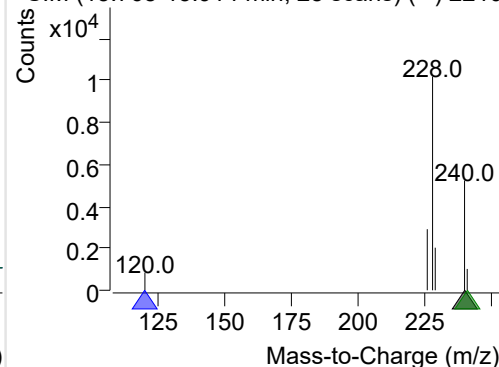
+ Selected Ion (240.0) 221007-PAHs-010.D



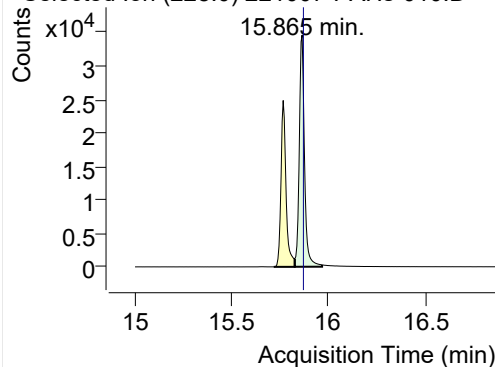
240.0, 120.0, 241.0



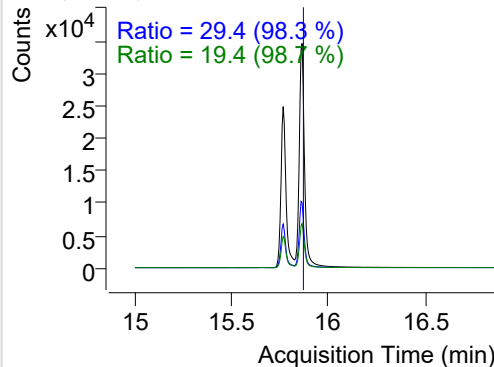
+ SIM (15.768-15.914 min, 28 scans) (**) 2210

**Chrysene**

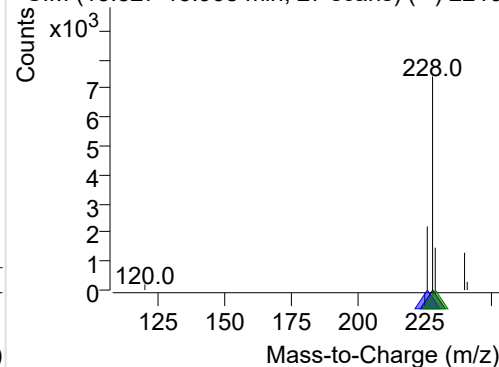
+ Selected Ion (228.0) 221007-PAHs-010.D



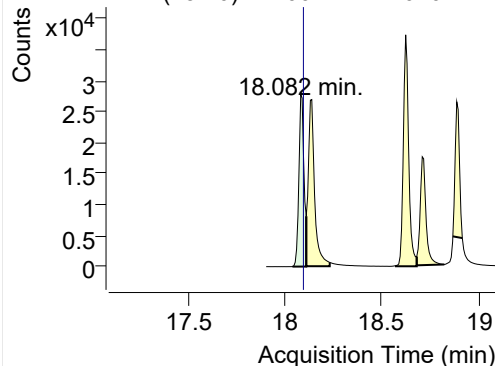
228.0, 226.0, 229.0



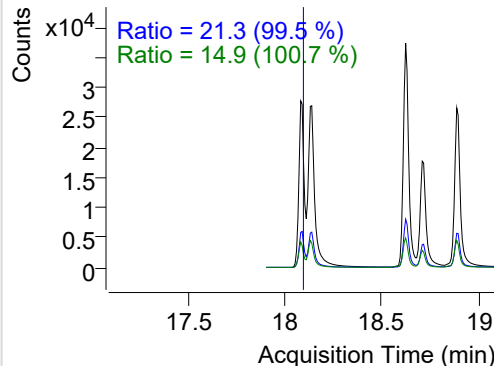
+ SIM (15.827-15.968 min, 27 scans) (**) 2210

**Benzo(b)fluoranthene**

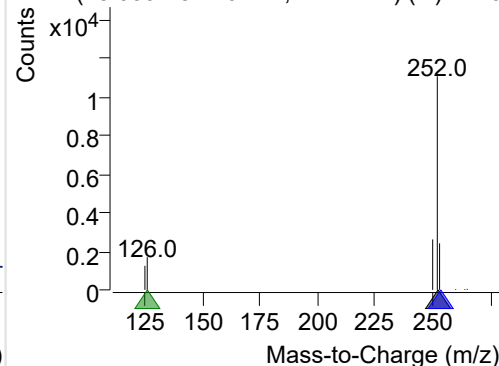
+ Selected Ion (252.0) 221007-PAHs-010.D



252.0, 253.0, 126.0

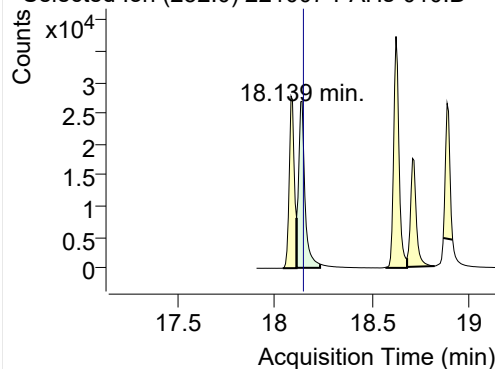


+ SIM (18.039-18.110 min, 11 scans) (**) 2210

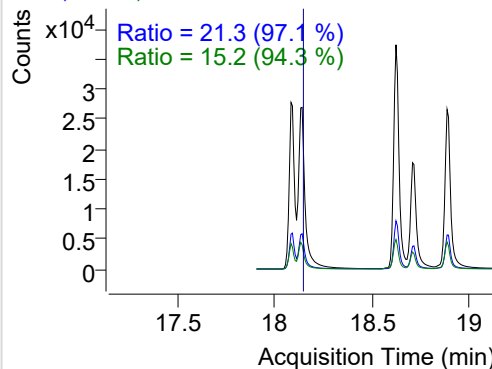


Benzo(k)fluoranthene

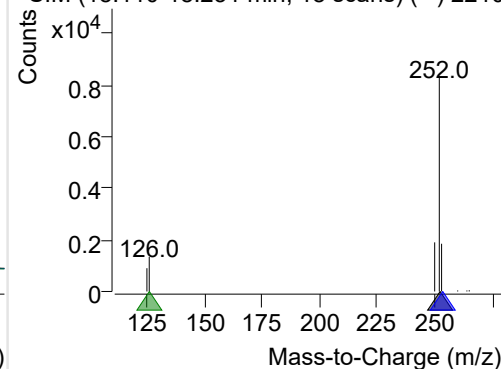
+ Selected Ion (252.0) 221007-PAHs-010.D



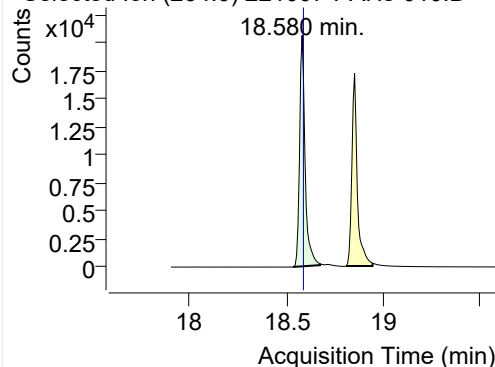
252.0, 253.0, 126.0



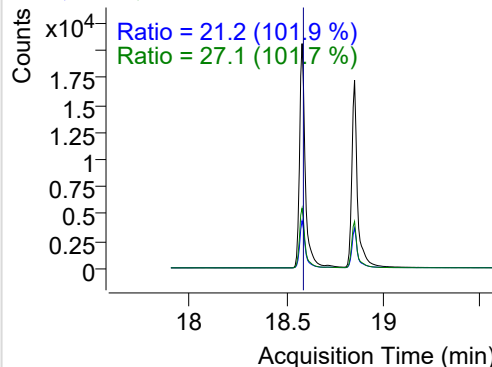
+ SIM (18.110-18.231 min, 18 scans) (**) 2210

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

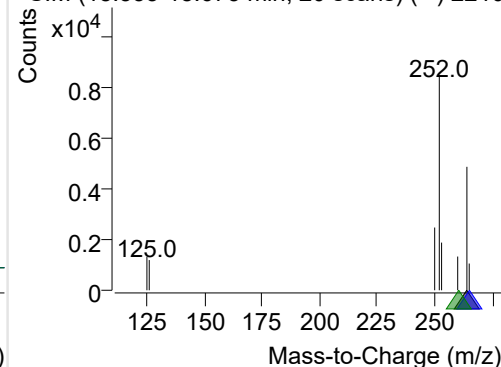
+ Selected Ion (264.0) 221007-PAHs-010.D



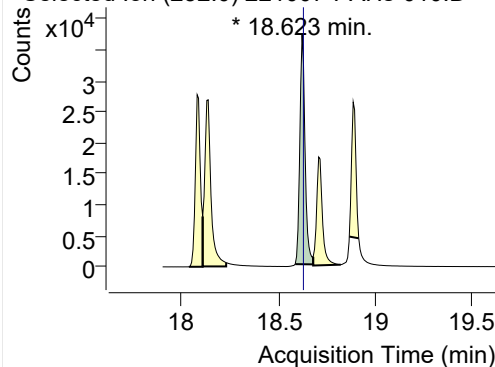
264.0, 265.0, 260.0



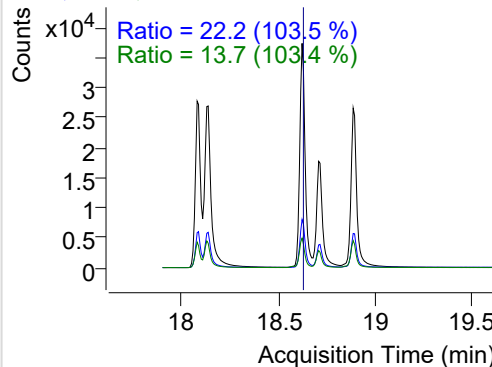
+ SIM (18.533-18.673 min, 20 scans) (**) 2210

**Benzo(e)pyrene**

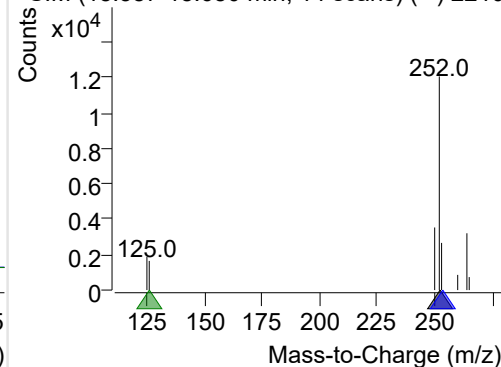
+ Selected Ion (252.0) 221007-PAHs-010.D



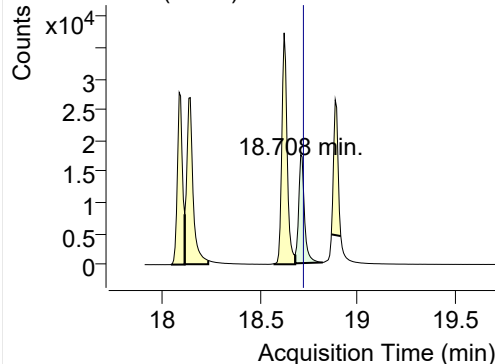
252.0, 253.0, 126.0



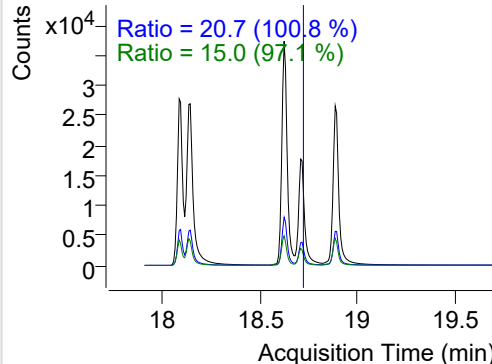
+ SIM (18.587-18.680 min, 14 scans) (**) 2210

**Benzo(a)pyrene**

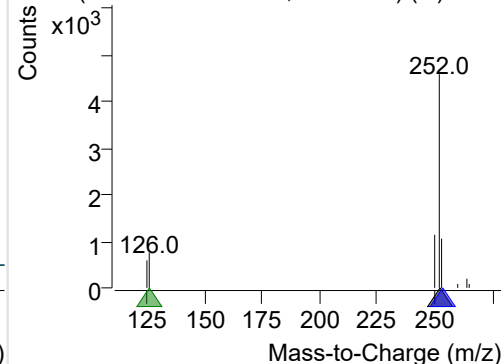
+ Selected Ion (252.0) 221007-PAHs-010.D



252.0, 253.0, 126.0

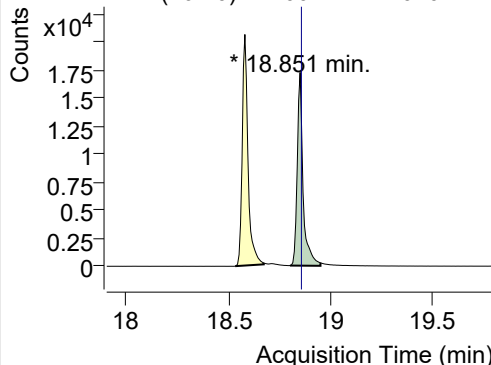


+ SIM (18.680-18.822 min, 20 scans) (**) 2210

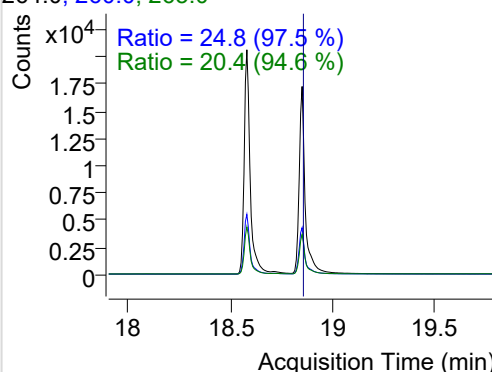


IS-D12-Perylene

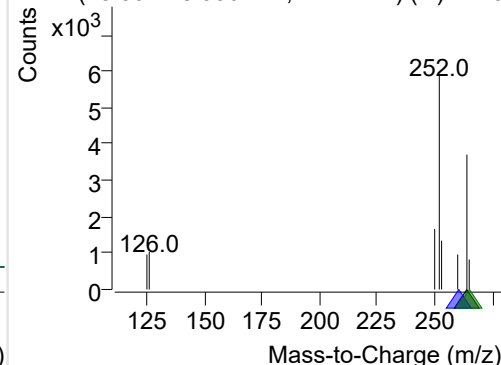
+ Selected Ion (264.0) 221007-PAHs-010.D



264.0, 260.0, 265.0

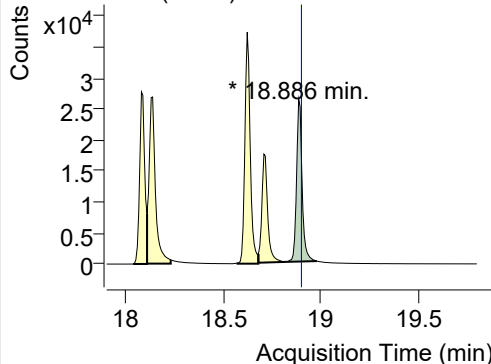


+ SIM (18.801-18.950 min, 22 scans) (**) 2210

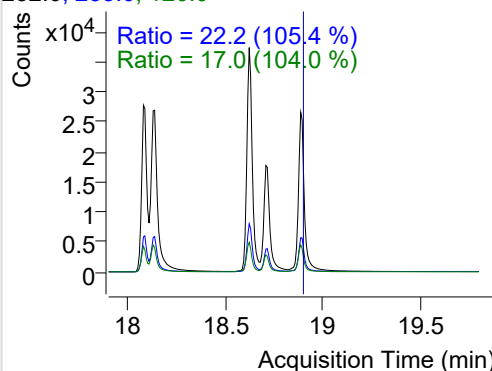


Perylene

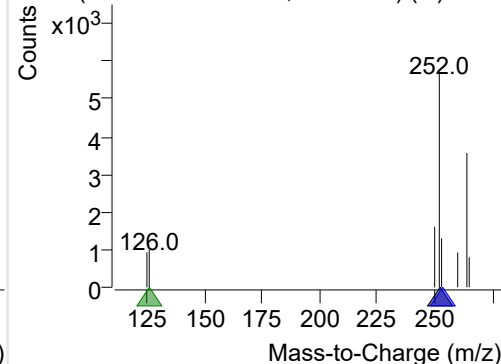
+ Selected Ion (252.0) 221007-PAHs-010.D



252.0, 253.0, 126.0

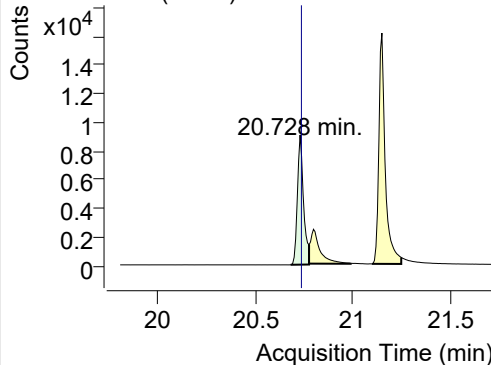


+ SIM (18.822-18.979 min, 23 scans) (**) 2210

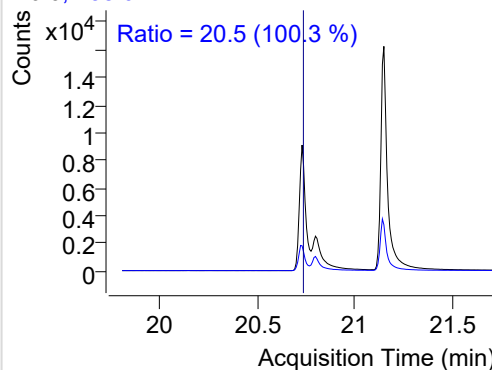


Indeno(1,2,3-c,d)pyrene

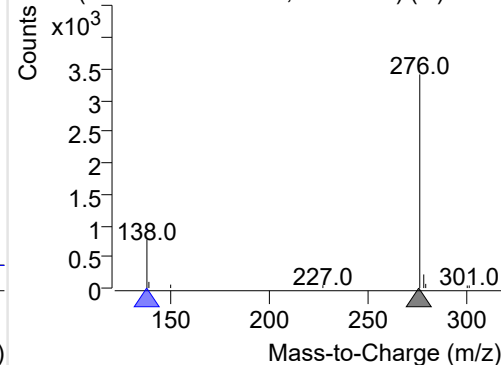
+ Selected Ion (276.0) 221007-PAHs-010.D



276.0, 138.0

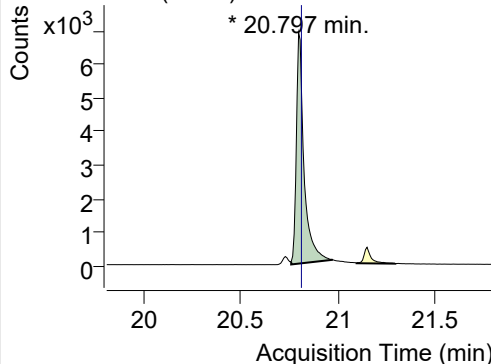


+ SIM (20.680-20.774 min, 13 scans) (**) 2210

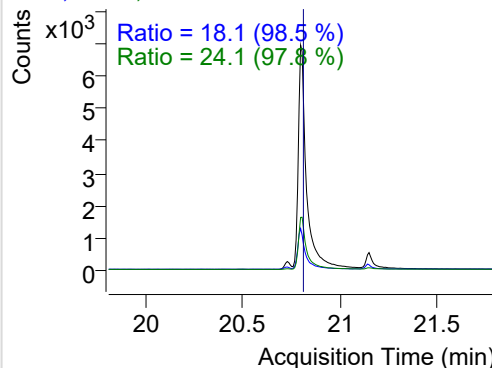


Dibenz(a,h)anthracene

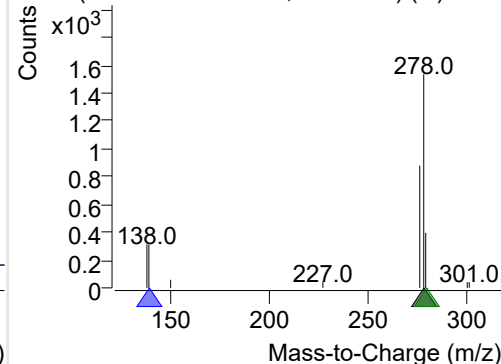
+ Selected Ion (278.0) 221007-PAHs-010.D



278.0, 139.0, 279.0

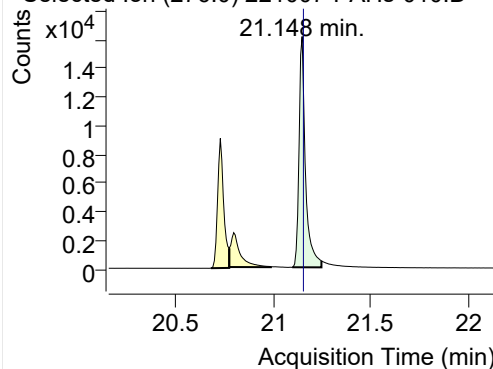


+ SIM (20.759-20.973 min, 29 scans) (**) 2210

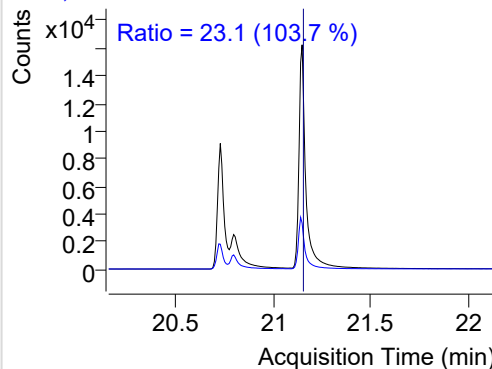


Benzo(g,h,i)perylene

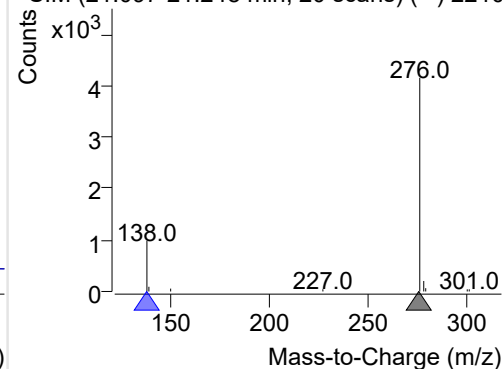
+ Selected Ion (276.0) 221007-PAHs-010.D



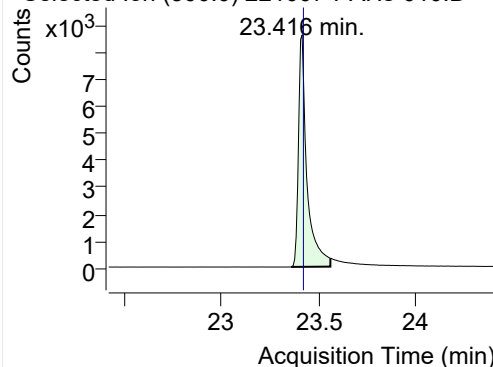
276.0, 138.0



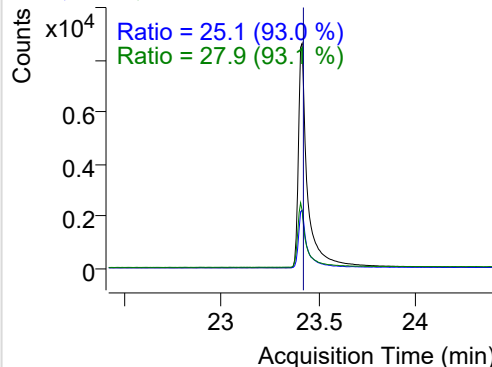
+ SIM (21.097-21.248 min, 20 scans) (**) 2210

**Coronene**

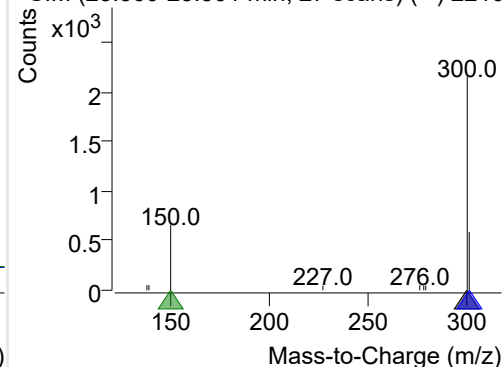
+ Selected Ion (300.0) 221007-PAHs-010.D



300.0, 301.0, 150.0



+ SIM (23.360-23.561 min, 27 scans) (**) 2210



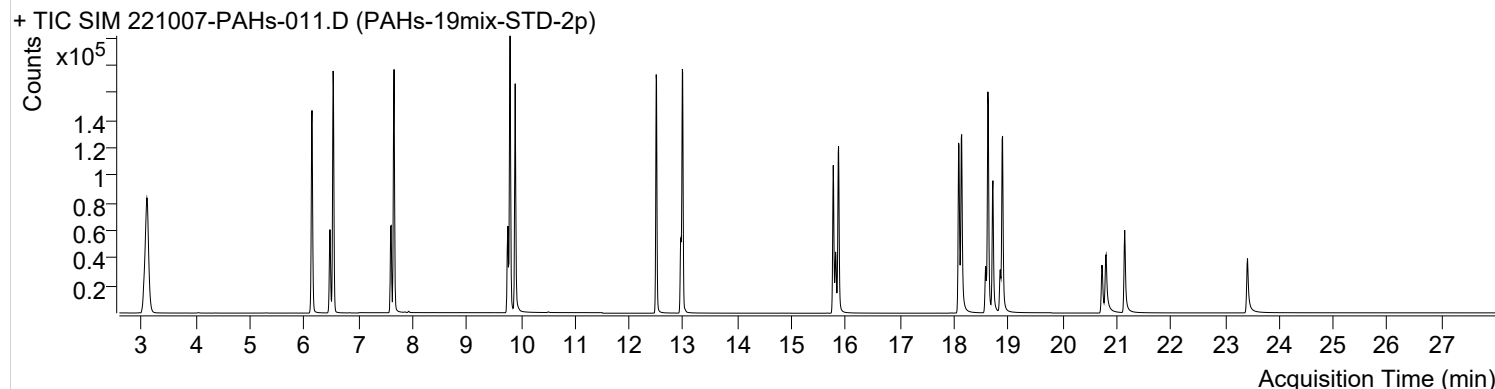
Quantitative Analysis Sample Based Report



Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 4:37:50	Data File	221007-PAHs-011.D
Type	Sample	Name	PAHs-19mix-STD-2p
Dil.	1	Acq. Method File	PAHs 19mix-Method

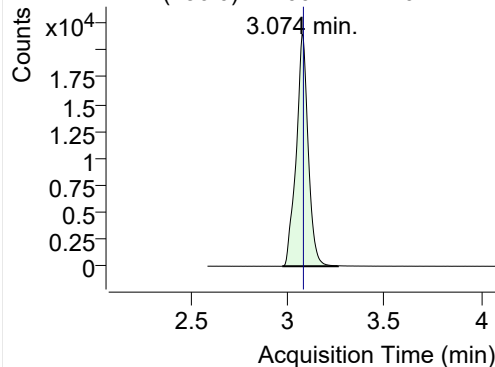
Sample Chromatogram



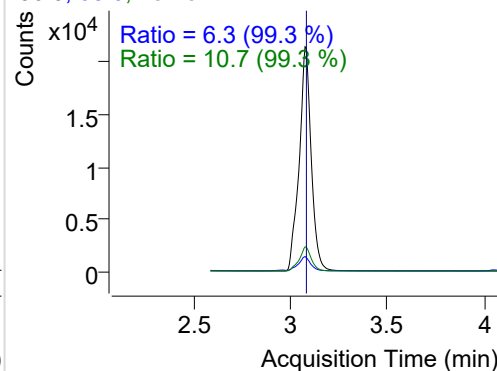
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	91889	21412.23	ND ng/ml	10.7
Naphthalene	3.101	128.0	235570	54441.86	ND ng/ml	12.9
Acenaphthylene	6.143	152.0	199406	110395.8	ND ng/ml	19.6
IS-D10-Acenaphthene	6.475	164.0	49085	28408.79	ND ng/ml	99.0
Acenaphthene	6.534	154.0	107752	62003.30	ND ng/ml	108.2
LSS-D10-Fluorene	7.606	176.0	50317	29052.42	ND ng/ml	95.8
Fluorene	7.659	166.0	137178	85626.80	ND ng/ml	93.7
IS-D10-Phenanthrene	9.759	188.0	82056	50437.28	ND ng/ml	14.9
Phenanthrene	9.801	178.0	208991	131466.9	ND ng/ml	19.1
Anthracene	9.895	178.0	178204	111533.3	ND ng/ml	17.9
Fluoranthene	12.499	202.0	207881	133685.9	ND ng/ml	17.1
LSS-D10-Pyrene	12.949	212.0	64656	38618.61	ND ng/ml	18.7
Pyrene	12.987	202.0	218647	132383.3	ND ng/ml	17.1
Benz(a)anthracene	15.768	228.0	121929	73379.36	ND ng/ml	26.9
IS-D12-Chrysene	15.811	240.0	54407	29580.01	ND ng/ml	18.8
Chrysene	15.865	228.0	147997	80614.54	ND ng/ml	29.5
Benzo(b)fluoranthene	18.089	252.0	130537	72475.93	ND ng/ml	21.4
Benzo(k)fluoranthene	18.139	252.0	160925	76636.65	ND ng/ml	21.6
SS-D12-Benzo(e)pyrene	18.580	264.0	45702	22549.51	ND ng/ml	26.7
Benzo(e)pyrene	18.623	252.0	163403	87234.97	ND ng/ml	21.5
Benzo(a)pyrene	18.715	252.0	108478	55919.73	ND ng/ml	20.0
IS-D12-Perylene	18.850	264.0	43548	19790.35	ND ng/ml	23.5
Perylene	18.893	252.0	137378	69370.00	ND ng/ml	20.9
Indeno(1,2,3-c,d)pyrene	20.728	276.0	60567	27782.60	ND ng/ml	20.5
Dibenz(a,h)anthracene	20.805	278.0	55883	21945.93	ND ng/ml	25.9
Benzo(g,h,i)perylene	21.148	276.0	107515	47604.14	ND ng/ml	21.8
Coronene	23.416	300.0	69820	26011.16	ND ng/ml	28.1

IS-D8-Naphthalene

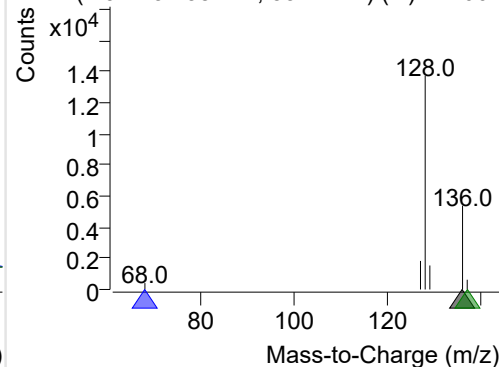
+ Selected Ion (136.0) 221007-PAHs-011.D



136.0, 68.0, 137.0

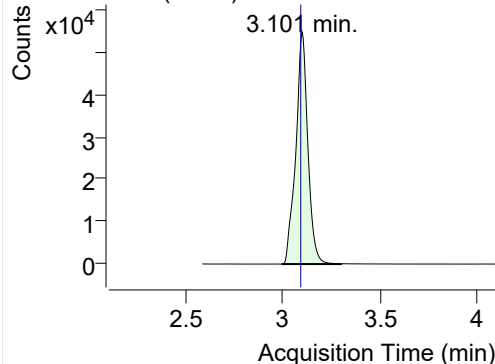


+ SIM (2.972-3.258 min, 53 scans) (**) 221007

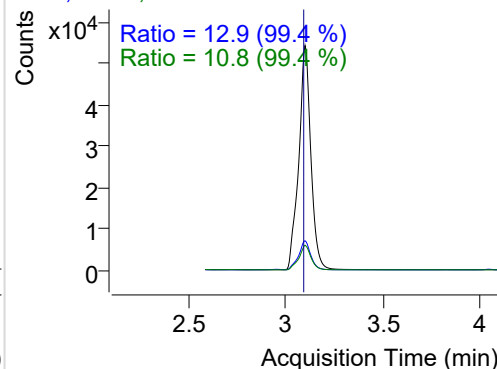


Naphthalene

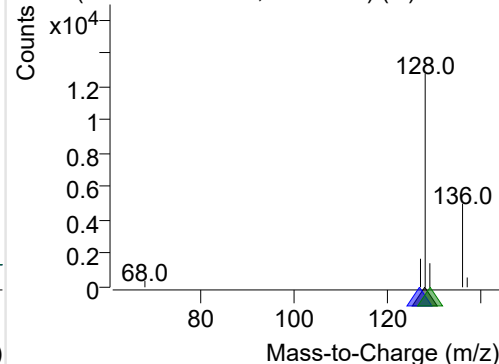
+ Selected Ion (128.0) 221007-PAHs-011.D



128.0, 127.0, 129.0

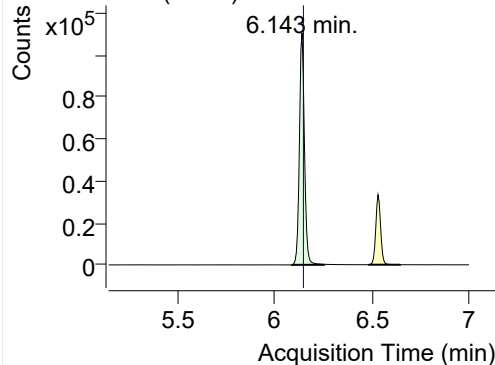


+ SIM (2.997-3.302 min, 57 scans) (**) 221007

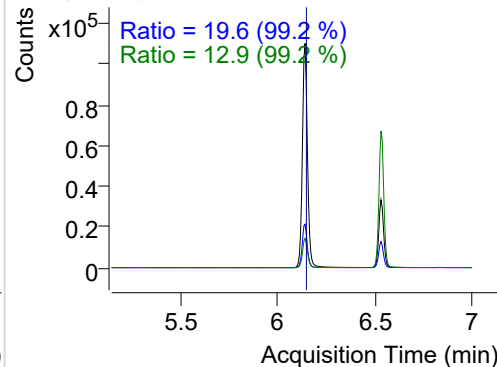


Acenaphthylene

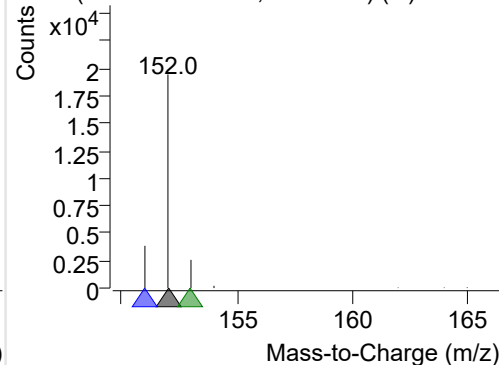
+ Selected Ion (152.0) 221007-PAHs-011.D



152.0, 151.0, 153.0

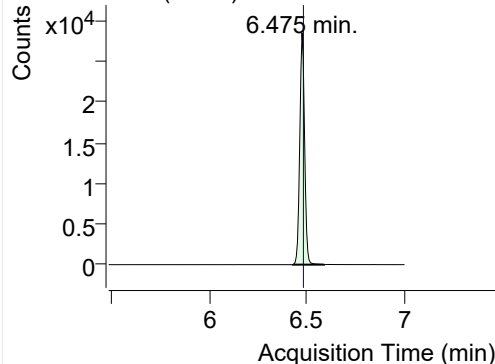


+ SIM (6.090-6.256 min, 29 scans) (**) 221007

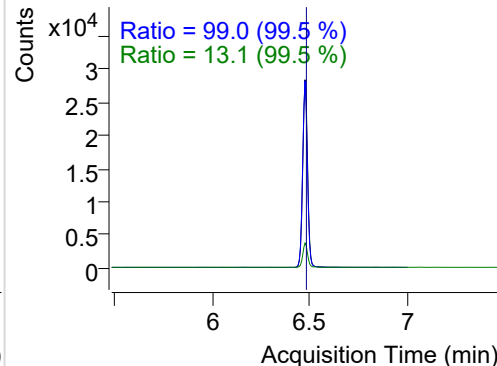


IS-D10-Acenaphthene

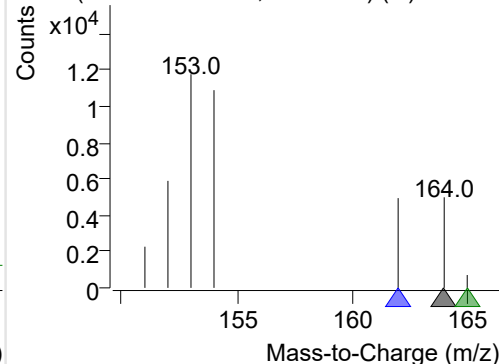
+ Selected Ion (164.0) 221007-PAHs-011.D



164.0, 162.0, 165.0

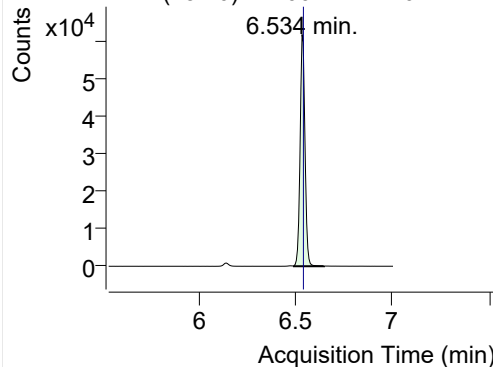


+ SIM (6.427-6.587 min, 28 scans) (**) 221007

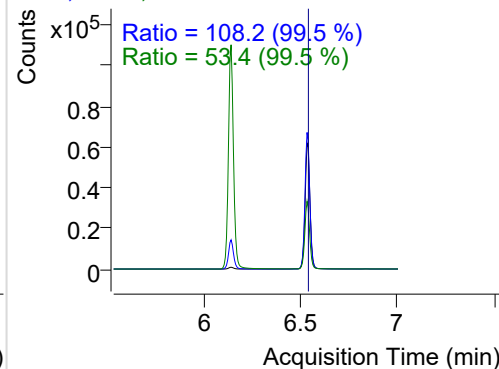


Acenaphthene

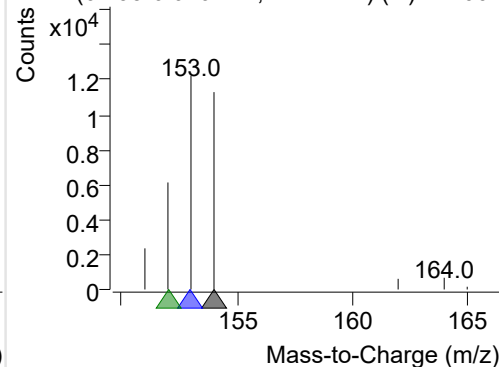
+ Selected Ion (154.0) 221007-PAHs-011.D



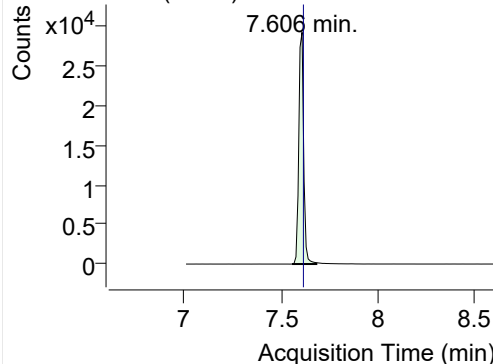
154.0, 153.0, 152.0



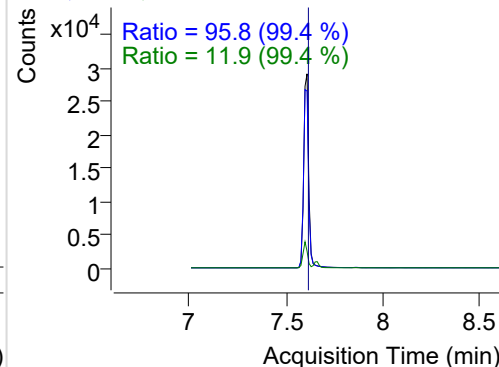
+ SIM (6.493-6.646 min, 27 scans) (**) 221007

**LSS-D10-Fluorene**

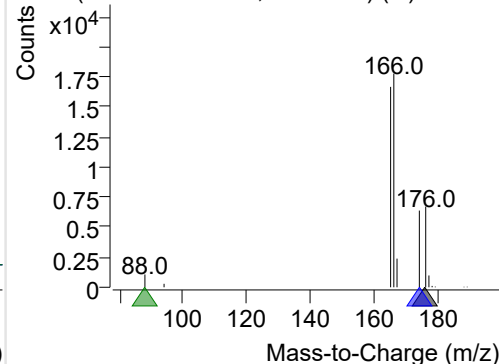
+ Selected Ion (176.0) 221007-PAHs-011.D



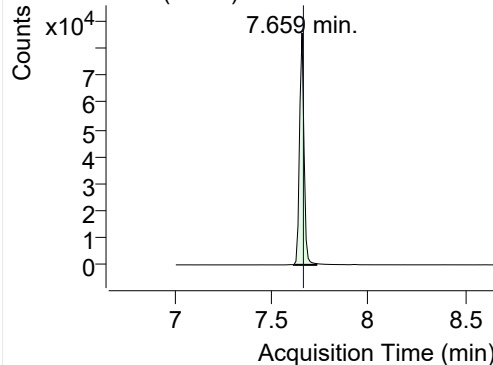
176.0, 174.0, 88.0



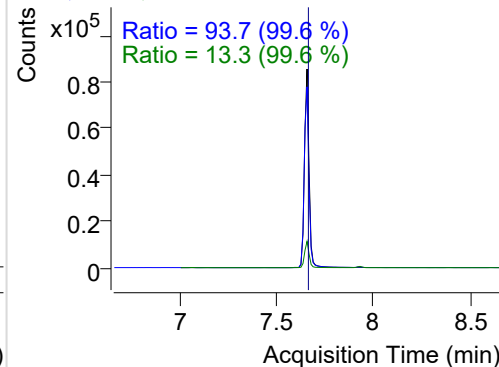
+ SIM (7.554-7.680 min, 12 scans) (**) 221007

**Fluorene**

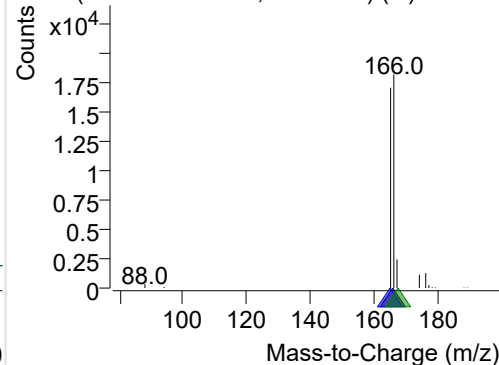
+ Selected Ion (166.0) 221007-PAHs-011.D



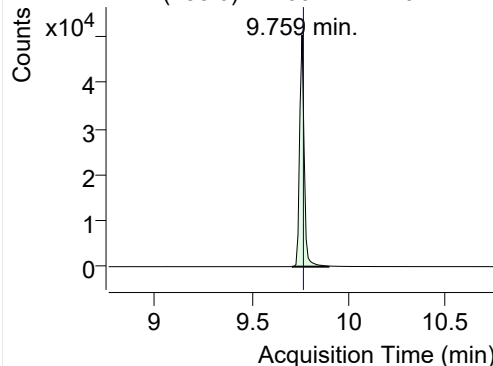
166.0, 165.0, 167.0



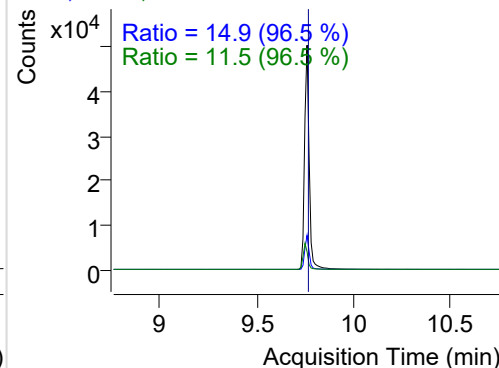
+ SIM (7.617-7.732 min, 12 scans) (**) 221007

**IS-D10-Phenanthrene**

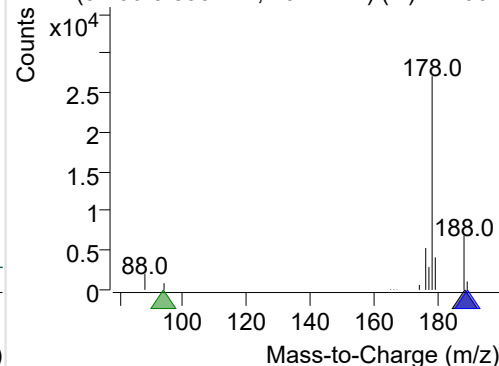
+ Selected Ion (188.0) 221007-PAHs-011.D



188.0, 189.0, 94.0

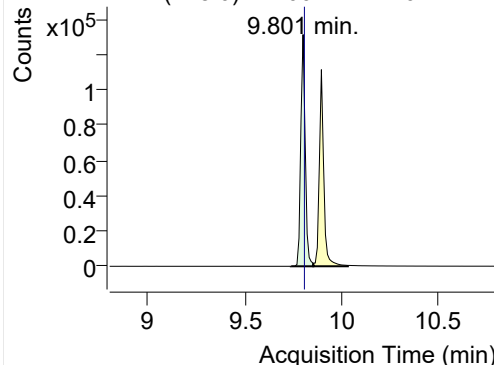


+ SIM (9.706-9.895 min, 19 scans) (**) 221007

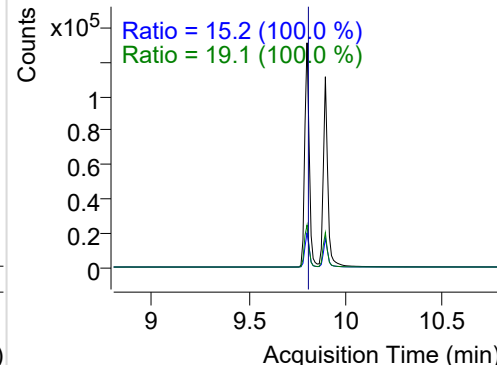


Phenanthrene

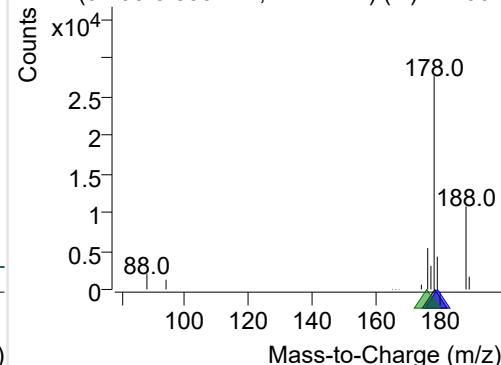
+ Selected Ion (178.0) 221007-PAHs-011.D



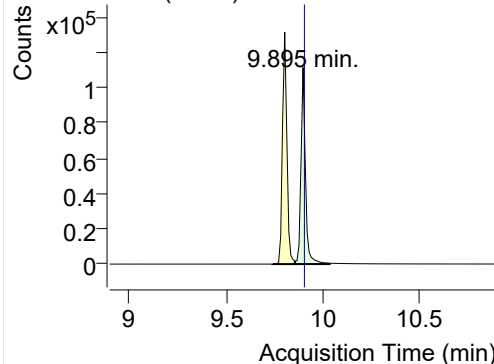
178.0, 179.0, 176.0



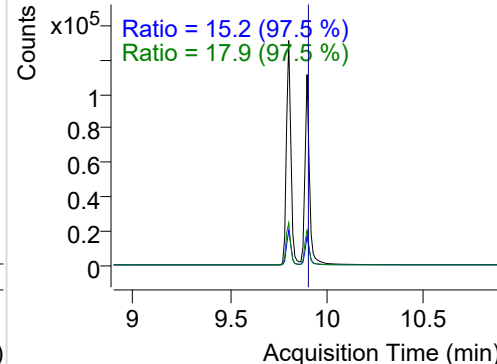
+ SIM (9.738-9.853 min, 12 scans) (**) 221007

**Anthracene**

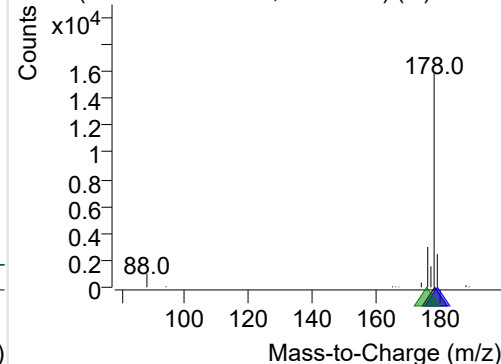
+ Selected Ion (178.0) 221007-PAHs-011.D



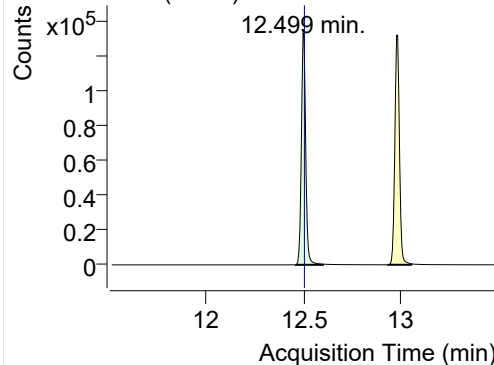
178.0, 179.0, 176.0



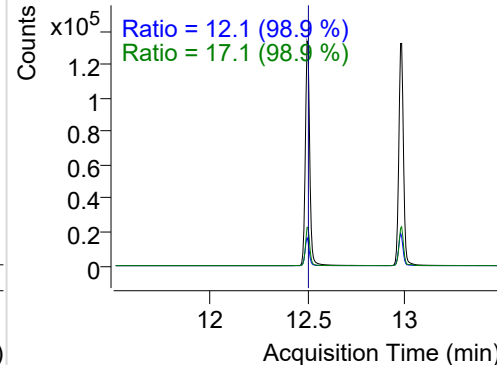
+ SIM (9.853-10.032 min, 18 scans) (**) 221007

**Fluoranthene**

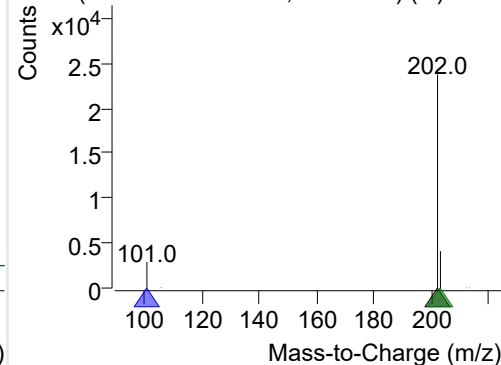
+ Selected Ion (202.0) 221007-PAHs-011.D



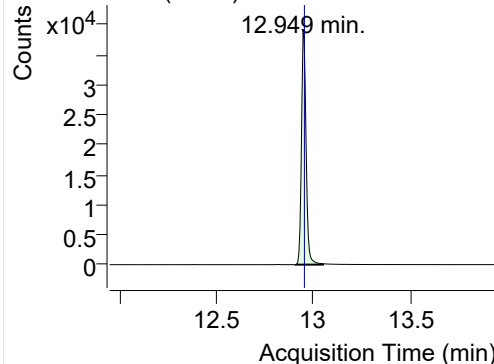
202.0, 101.0, 203.0



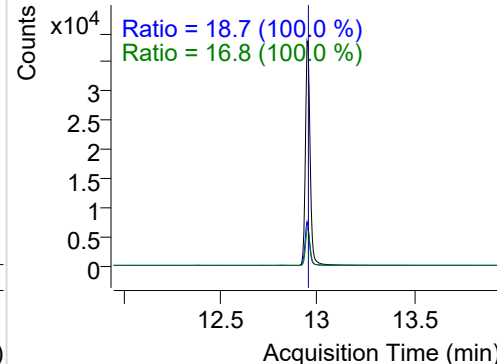
+ SIM (12.461-12.602 min, 27 scans) (**) 221007

**LSS-D10-Pyrene**

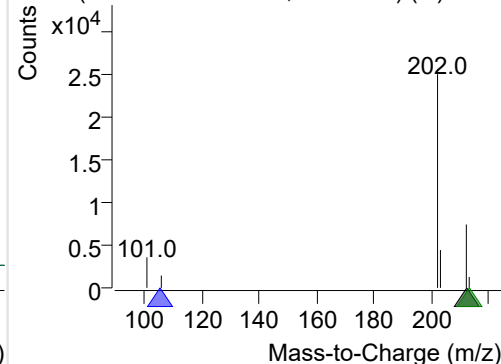
+ Selected Ion (212.0) 221007-PAHs-011.D



212.0, 106.0, 213.0

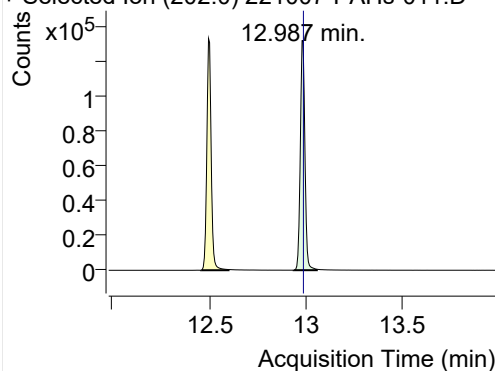


+ SIM (12.911-13.052 min, 27 scans) (**) 221007

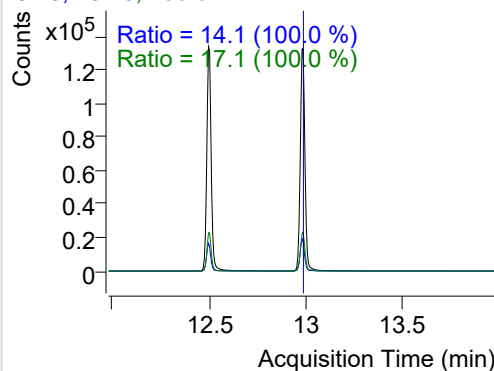


Pyrene

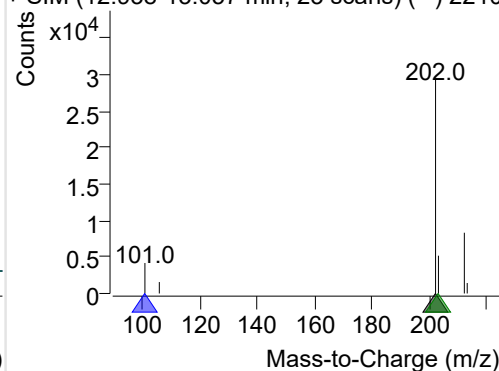
+ Selected Ion (202.0) 221007-PAHs-011.D



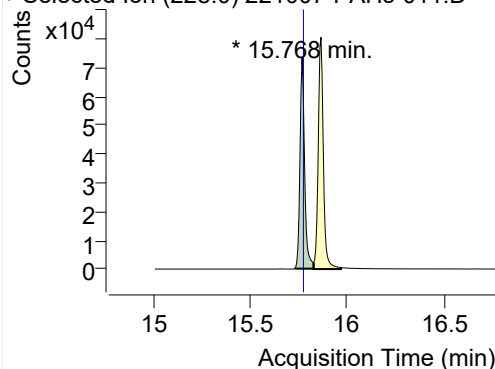
202.0, 101.0, 203.0



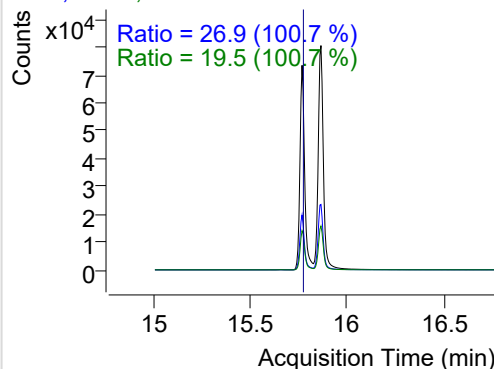
+ SIM (12.938-13.057 min, 23 scans) (**) 2210

**Benz(a)anthracene**

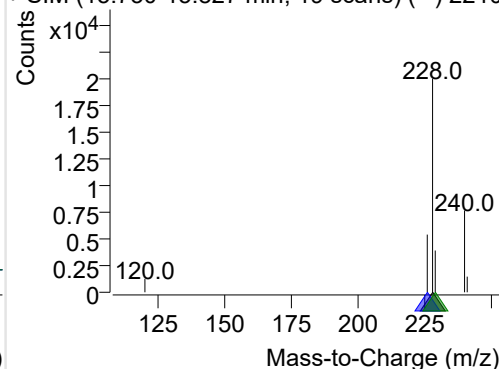
+ Selected Ion (228.0) 221007-PAHs-011.D



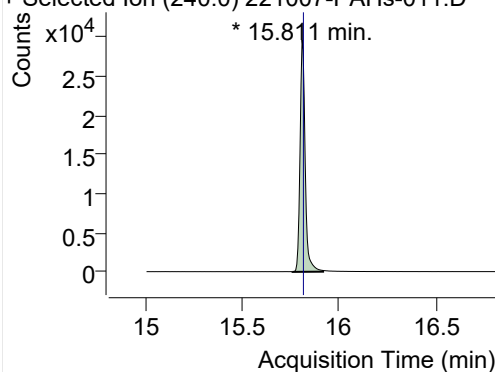
228.0, 226.0, 229.0



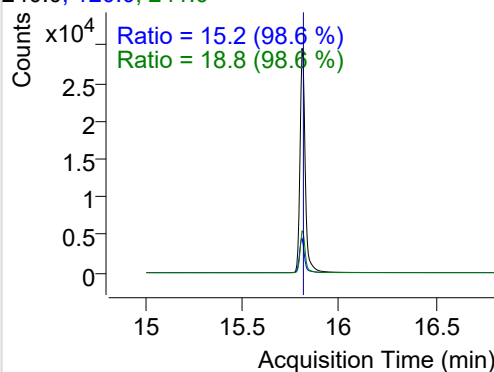
+ SIM (15.730-15.827 min, 19 scans) (**) 2210

**IS-D12-Chrysene**

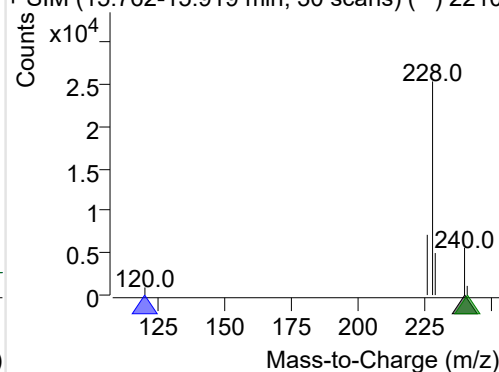
+ Selected Ion (240.0) 221007-PAHs-011.D



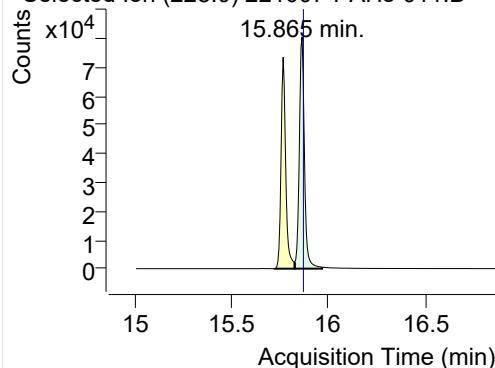
240.0, 120.0, 241.0



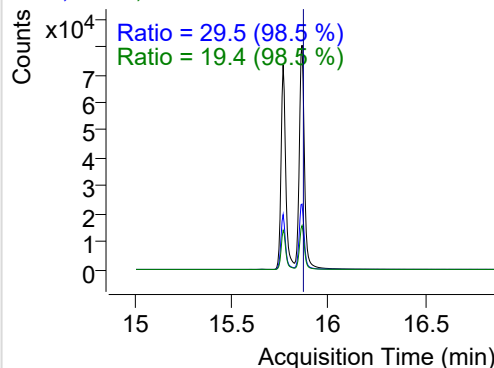
+ SIM (15.762-15.919 min, 30 scans) (**) 2210

**Chrysene**

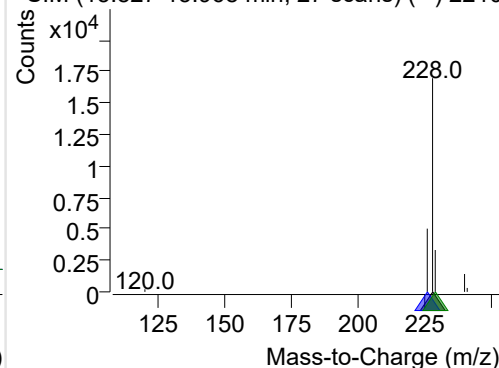
+ Selected Ion (228.0) 221007-PAHs-011.D



228.0, 226.0, 229.0

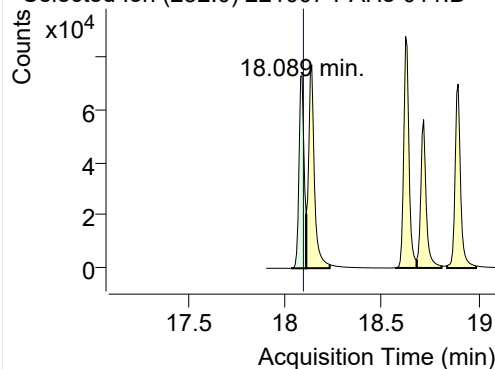


+ SIM (15.827-15.968 min, 27 scans) (**) 2210

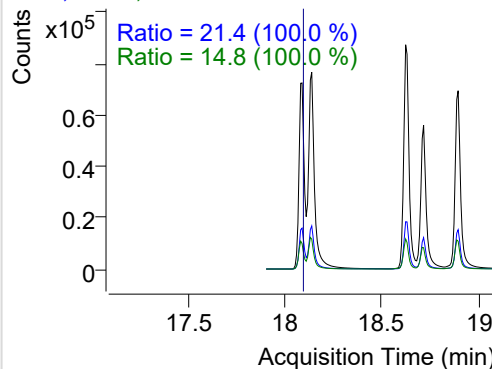


Benzo(b)fluoranthene

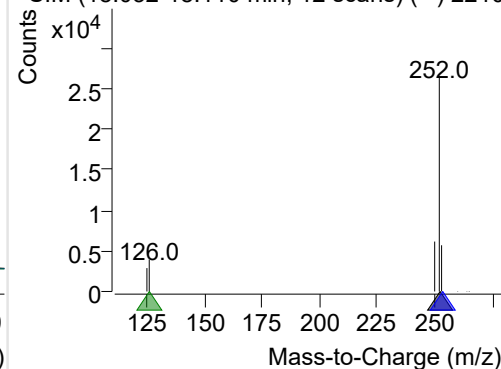
+ Selected Ion (252.0) 221007-PAHs-011.D



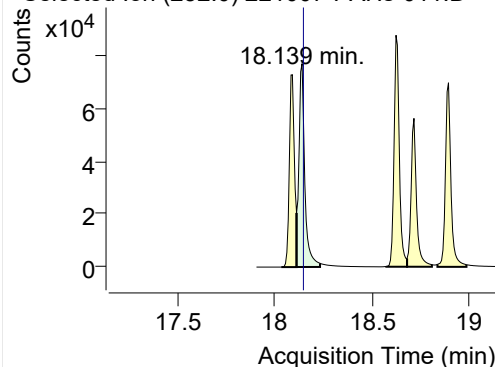
252.0, 253.0, 126.0



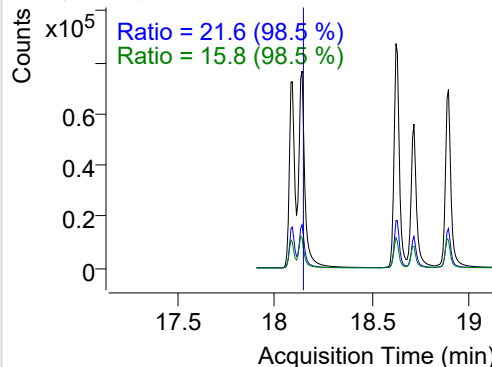
+ SIM (18.032-18.110 min, 12 scans) (**) 2210

**Benzo(k)fluoranthene**

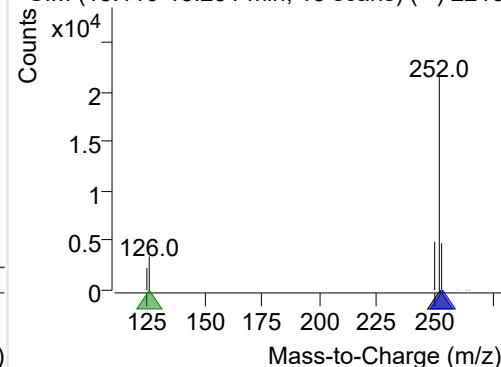
+ Selected Ion (252.0) 221007-PAHs-011.D



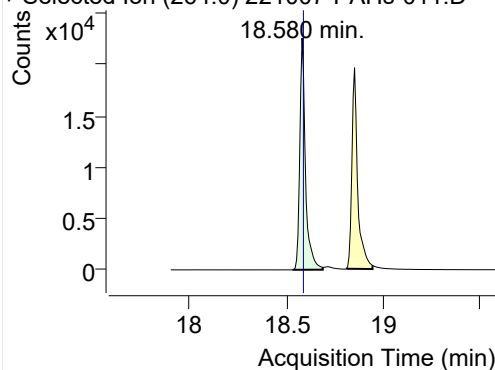
252.0, 253.0, 126.0



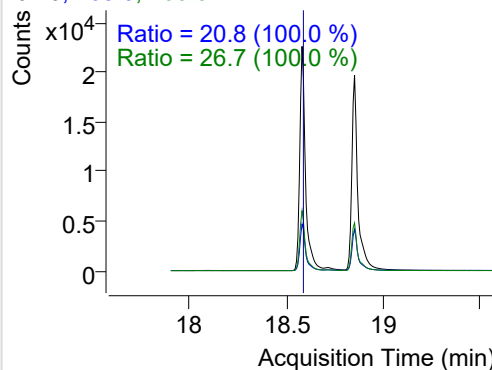
+ SIM (18.110-18.231 min, 18 scans) (**) 2210

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

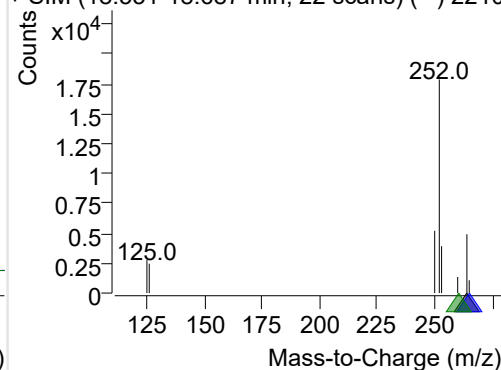
+ Selected Ion (264.0) 221007-PAHs-011.D



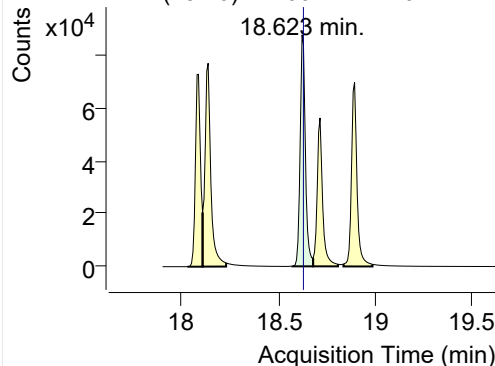
264.0, 265.0, 260.0



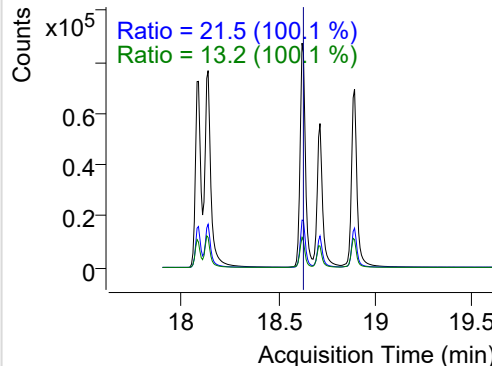
+ SIM (18.531-18.687 min, 22 scans) (**) 2210

**Benzo(e)pyrene**

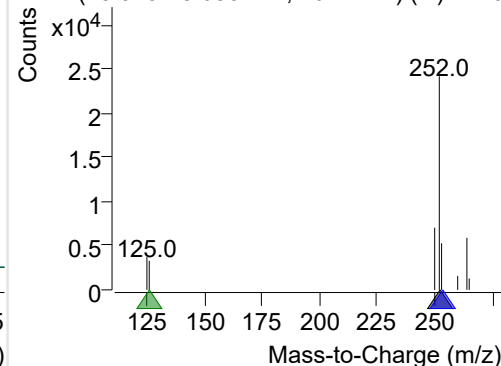
+ Selected Ion (252.0) 221007-PAHs-011.D



252.0, 253.0, 126.0

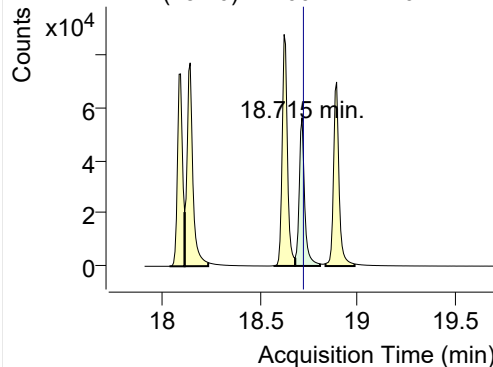


+ SIM (18.573-18.680 min, 16 scans) (**) 2210

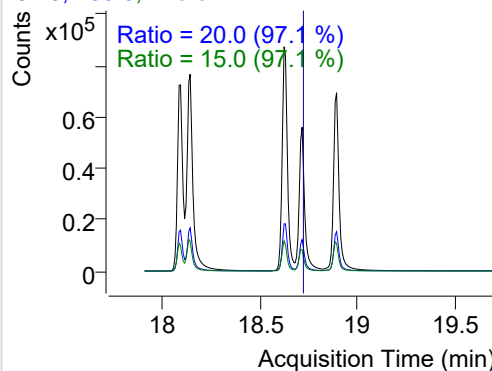


Benzo(a)pyrene

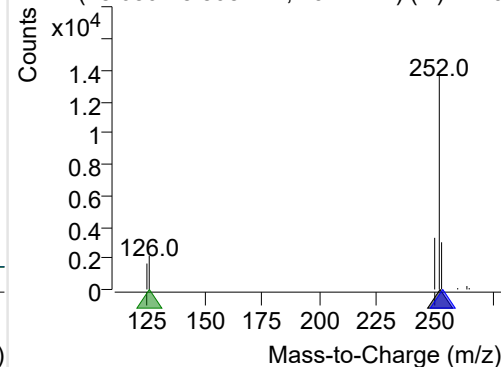
+ Selected Ion (252.0) 221007-PAHs-011.D



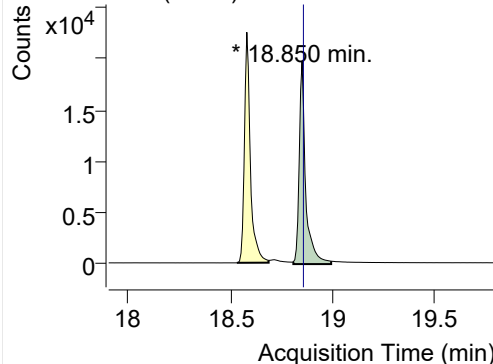
252.0, 253.0, 126.0



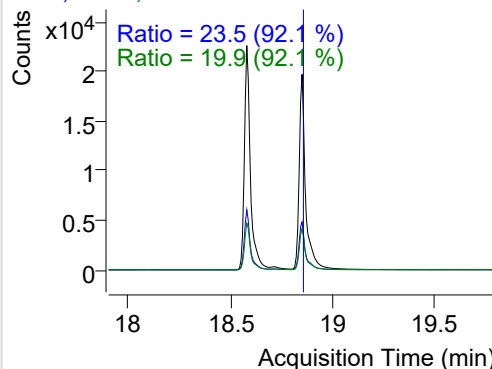
+ SIM (18.680-18.808 min, 19 scans) (**) 2210

**IS-D12-Perylene**

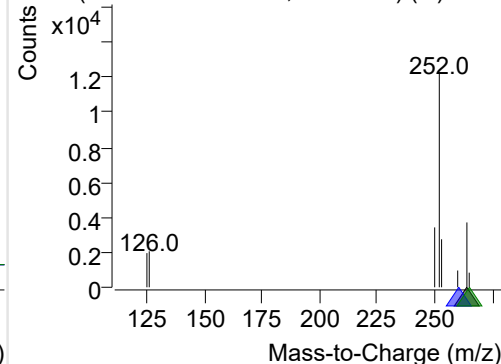
+ Selected Ion (264.0) 221007-PAHs-011.D



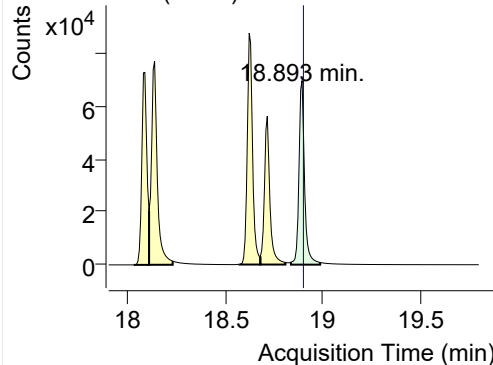
264.0, 260.0, 265.0



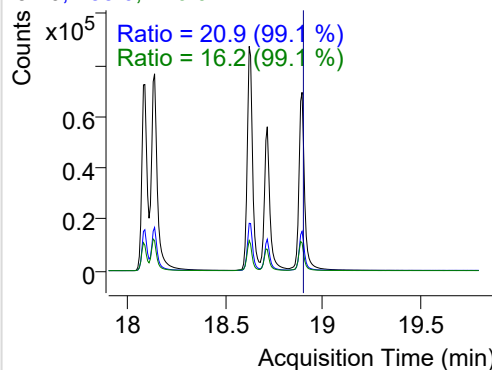
+ SIM (18.808-18.993 min, 27 scans) (**) 2210

**Perylene**

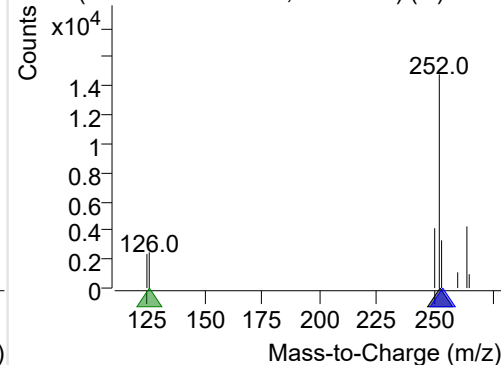
+ Selected Ion (252.0) 221007-PAHs-011.D



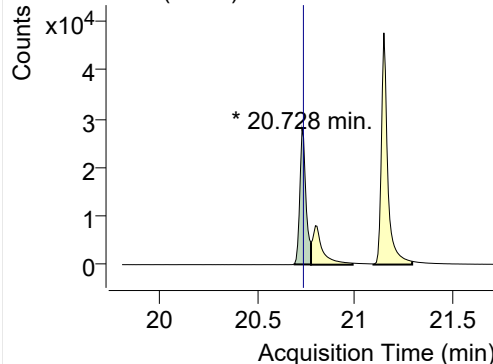
252.0, 253.0, 126.0



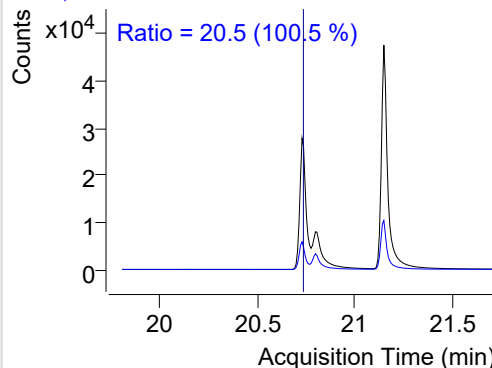
+ SIM (18.836-18.986 min, 22 scans) (**) 2210

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

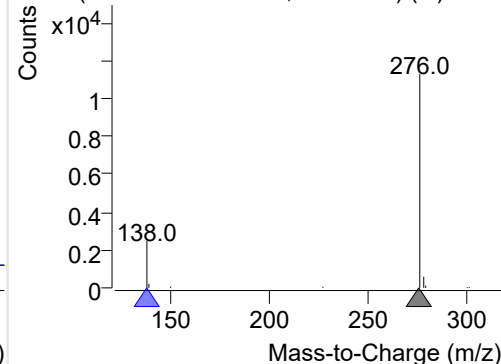
+ Selected Ion (276.0) 221007-PAHs-011.D



276.0, 138.0

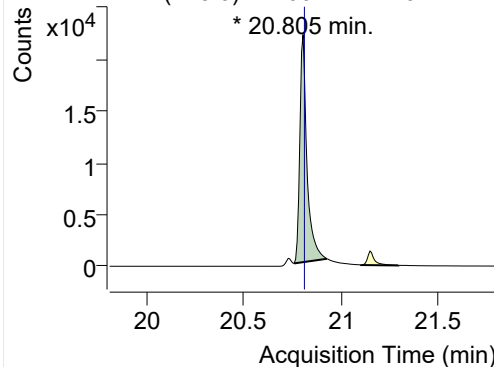


+ SIM (20.690-20.774 min, 12 scans) (**) 2210

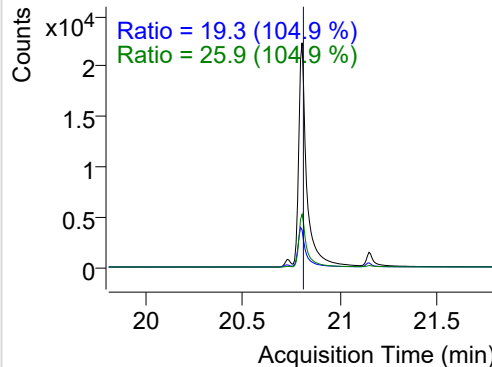


Dibenz(a,h)anthracene

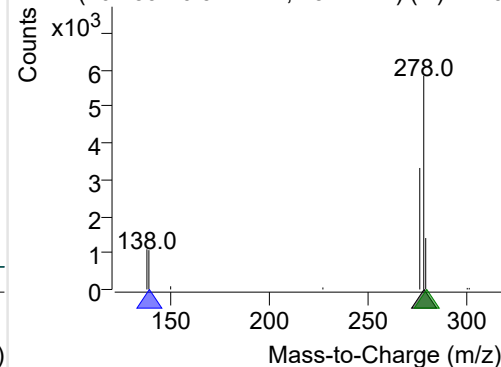
+ Selected Ion (278.0) 221007-PAHs-011.D



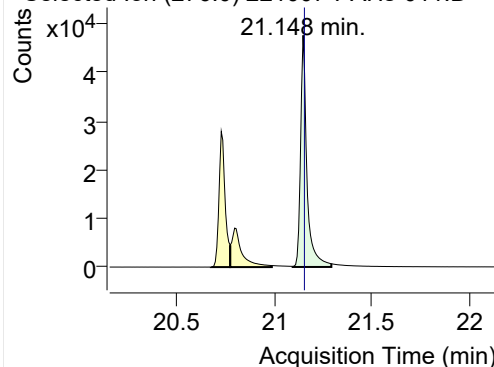
278.0, 139.0, 279.0



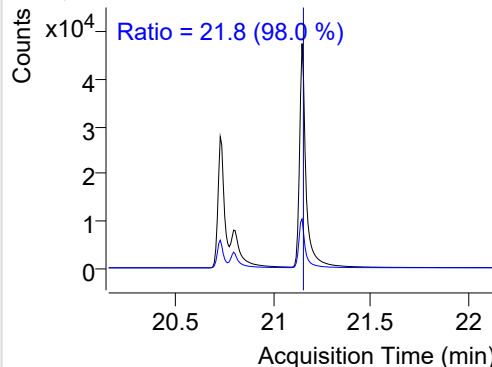
+ SIM (20.759-20.927 min, 23 scans) (**) 2210

**Benzo(g,h,i)perylene**

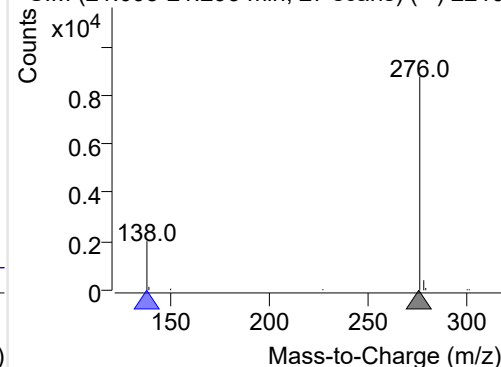
+ Selected Ion (276.0) 221007-PAHs-011.D



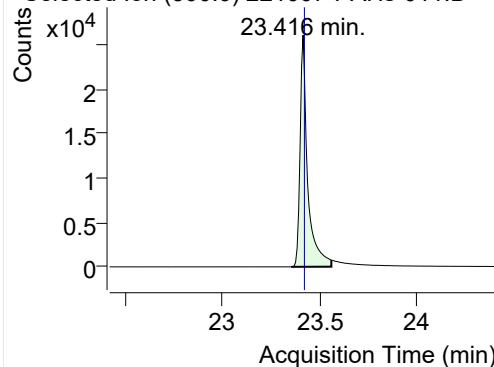
276.0, 138.0



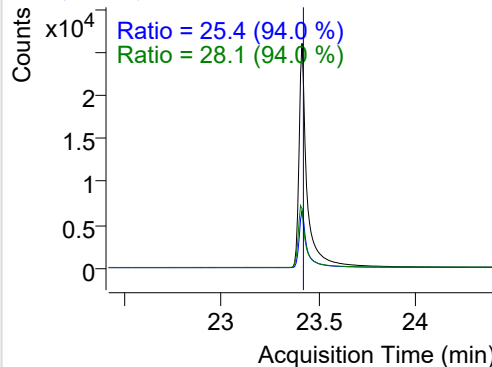
+ SIM (21.095-21.293 min, 27 scans) (**) 2210

**Coronene**

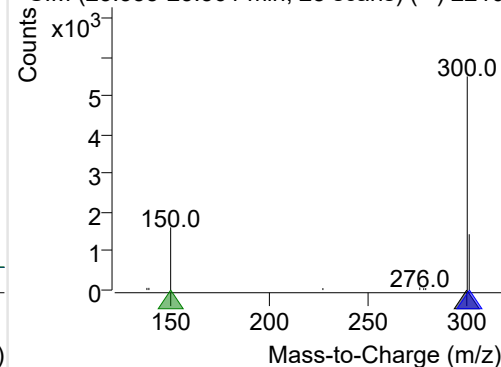
+ Selected Ion (300.0) 221007-PAHs-011.D



300.0, 301.0, 150.0



+ SIM (23.355-23.561 min, 28 scans) (**) 2210



Quantitative Analysis Sample Based Report

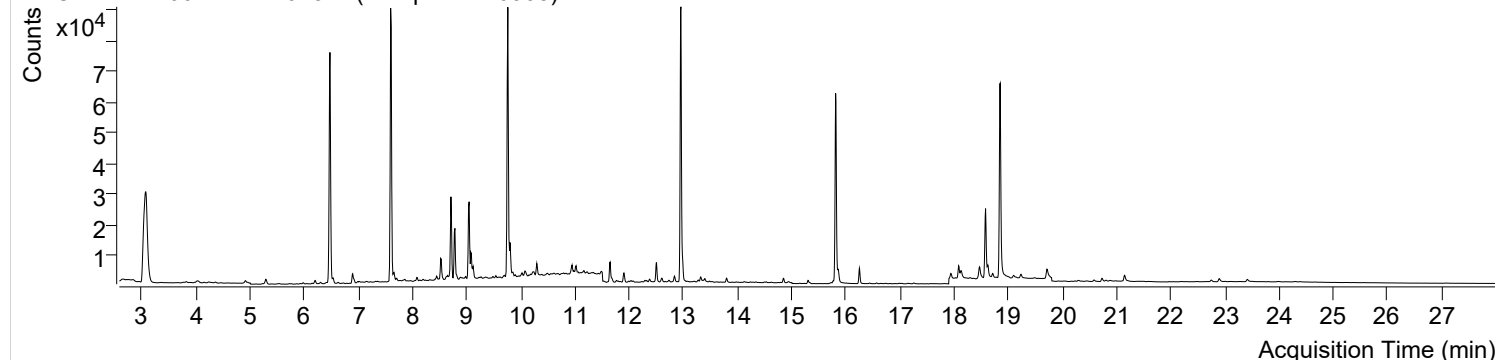


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 6:42:18	Data File	221007-PAHs-015.D
Type	Sample	Name	Sample-PM-0908
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

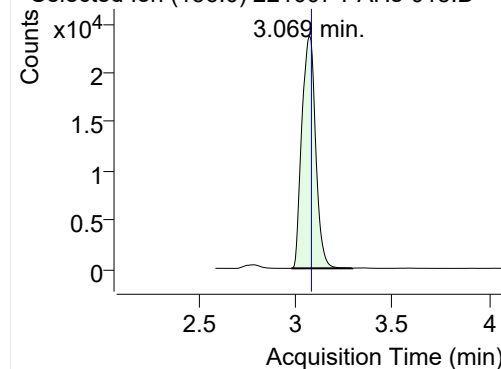
+ TIC SIM 221007-PAHs-015.D (Sample-PM-0908)



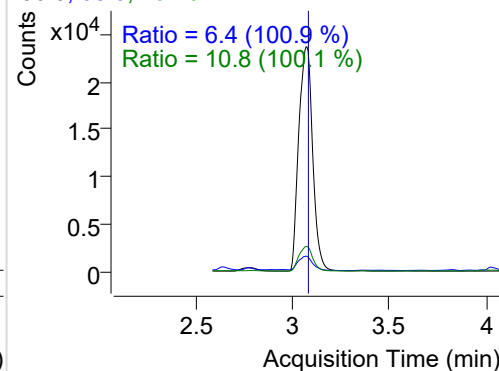
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.069	136.0	117000	23597.75	ND ng/ml	10.8
Naphthalene	3.101	128.0	9063	1927.48	ND ng/ml	10.4
Acenaphthylene	6.143	152.0	247	133.59	ND ng/ml	60.1
IS-D10-Acenaphthene	6.475	164.0	64839	35665.07	ND ng/ml	101.2
Acenaphthene	6.534	154.0	646	343.67	ND ng/ml	99.8
LSS-D10-Fluorene	7.595	176.0	71632	38950.80	ND ng/ml	94.6
Fluorene	7.658	166.0	1793	1035.74	ND ng/ml	102.6
IS-D10-Phenanthrene	9.759	188.0	116168	70942.13	ND ng/ml	14.9
Phenanthrene	9.801	178.0	10744	6435.69	ND ng/ml	18.1
Anthracene	9.895	178.0	522	338.58	ND ng/ml	
Fluoranthene	12.504	202.0	7754	4688.07	ND ng/ml	18.2
LSS-D10-Pyrene	12.954	212.0	106733	66473.80	ND ng/ml	18.2
Pyrene	12.987	202.0	8043	4703.34	ND ng/ml	17.0
Benz(a)anthracene	15.767	228.0	1136	648.95	ND ng/ml	26.3
IS-D12-Chrysene	15.811	240.0	80998	46096.25	ND ng/ml	18.9
Chrysene	15.860	228.0	4379	2189.97	ND ng/ml	27.4
Benzo(b)fluoranthene	18.082	252.0	4562	2364.95	ND ng/ml	20.8
Benzo(k)fluoranthene	18.124	252.0	3834	1516.18	ND ng/ml	20.1
SS-D12-Benzo(e)pyrene	18.580	264.0	28673	15201.00	ND ng/ml	26.3
Benzo(e)pyrene	18.623	252.0	3866	1962.14	ND ng/ml	20.5
Benzo(a)pyrene	18.708	252.0	1663	675.14	ND ng/ml	17.1
IS-D12-Perylene	18.850	264.0	85209	43269.29	ND ng/ml	25.1
Perylene	18.893	252.0	417	153.14	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	20.728	276.0	2177	859.77	ND ng/ml	18.1
Dibenz(a,h)anthracene	20.805	278.0	669	213.34	ND ng/ml	22.7
Benzo(g,h,i)perylene	21.148	276.0	4026	1538.73	ND ng/ml	24.4
Coronene	23.416	300.0	1591	486.90	ND ng/ml	26.3

IS-D8-Naphthalene

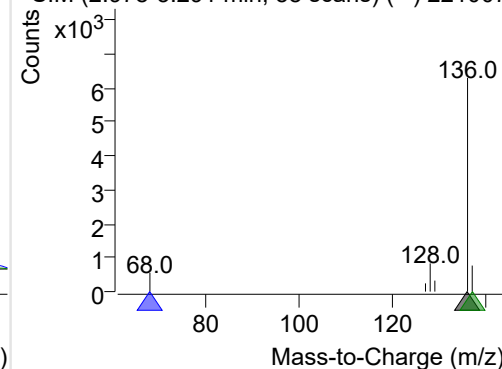
+ Selected Ion (136.0) 221007-PAHs-015.D



136.0, 68.0, 137.0

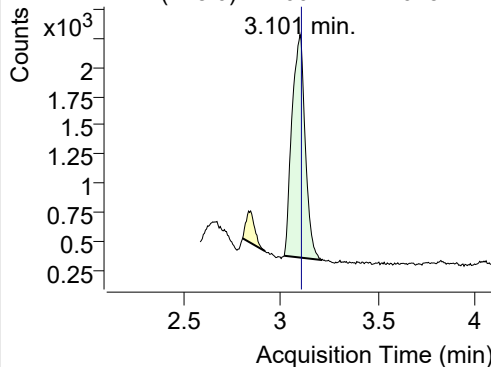


+ SIM (2.978-3.291 min, 58 scans) (**) 221007

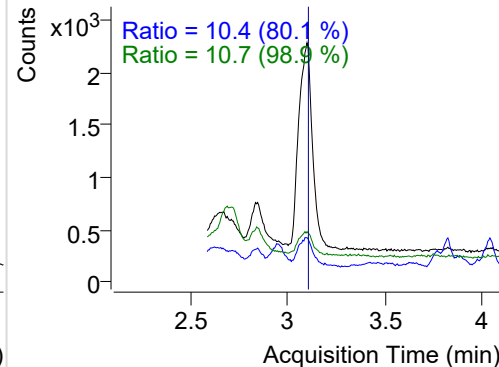


Naphthalene

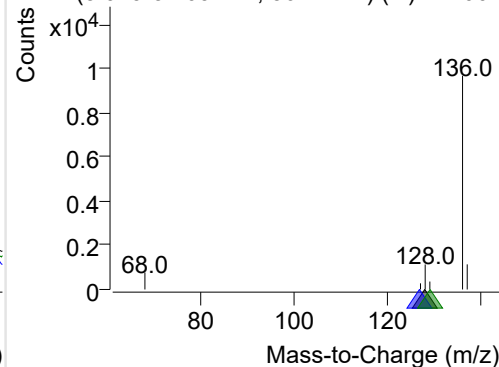
+ Selected Ion (128.0) 221007-PAHs-015.D



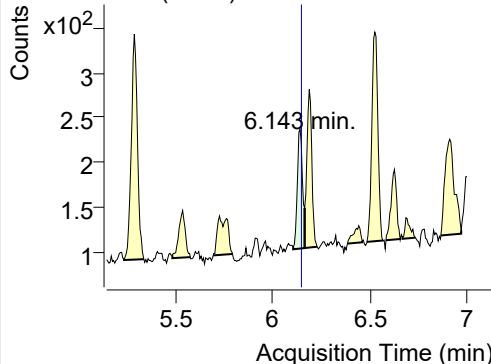
128.0, 127.0, 129.0



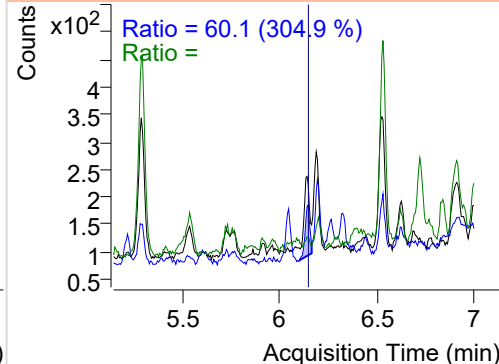
+ SIM (3.019-3.209 min, 36 scans) (**) 221007

**Acenaphthylene**

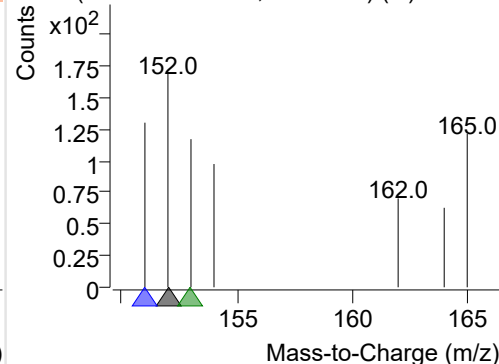
+ Selected Ion (152.0) 221007-PAHs-015.D



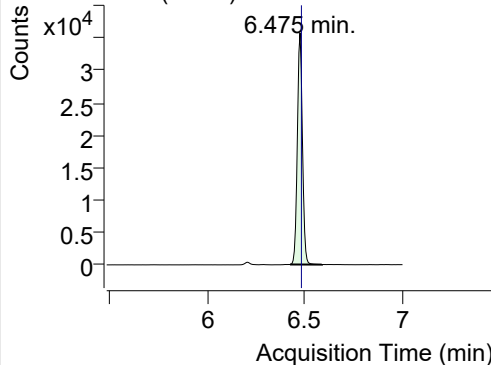
152.0, 151.0, 153.0



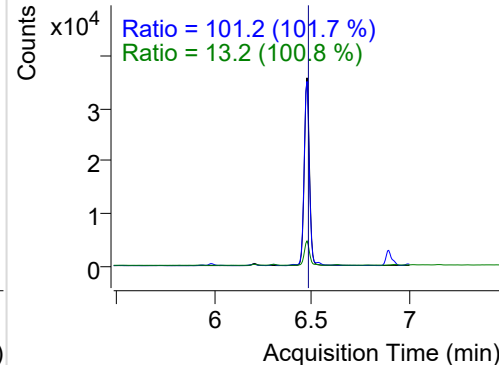
+ SIM (6.108-6.167 min, 11 scans) (**) 221007

**IS-D10-Acenaphthene**

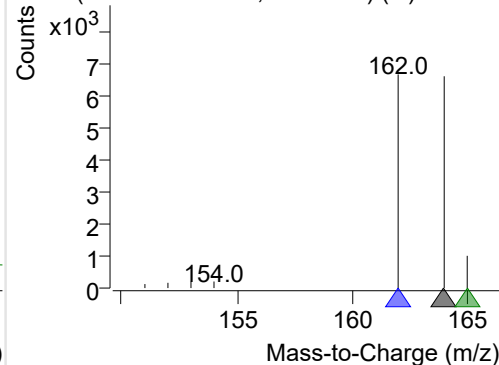
+ Selected Ion (164.0) 221007-PAHs-015.D



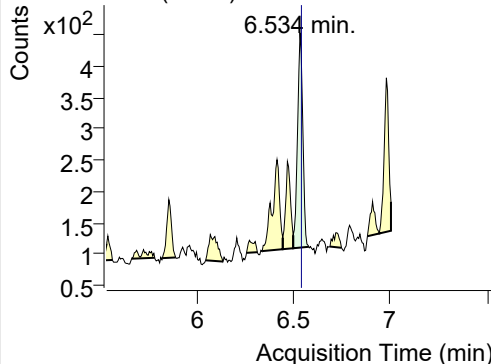
164.0, 162.0, 165.0



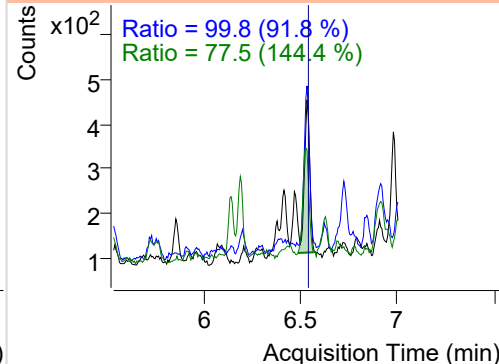
+ SIM (6.423-6.587 min, 28 scans) (**) 221007

**Acenaphthene**

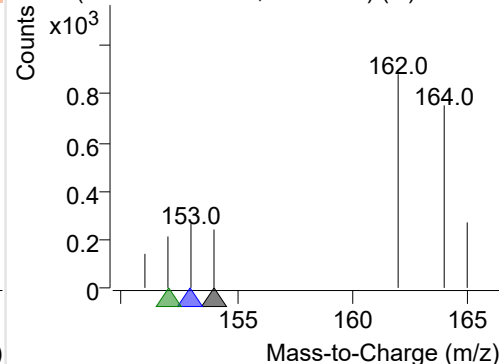
+ Selected Ion (154.0) 221007-PAHs-015.D



154.0, 153.0, 152.0

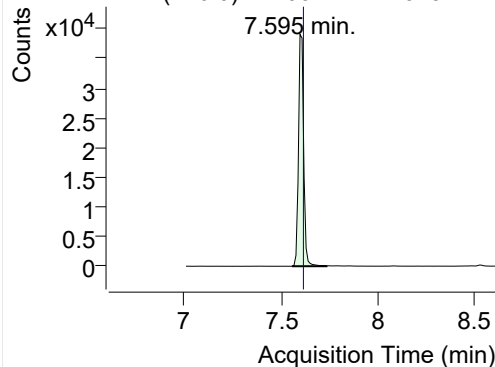


+ SIM (6.498-6.579 min, 14 scans) (**) 221007

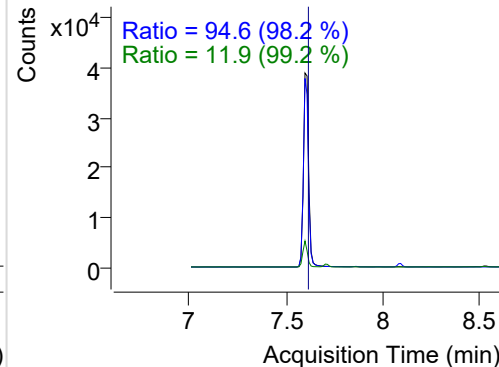


LSS-D10-Fluorene

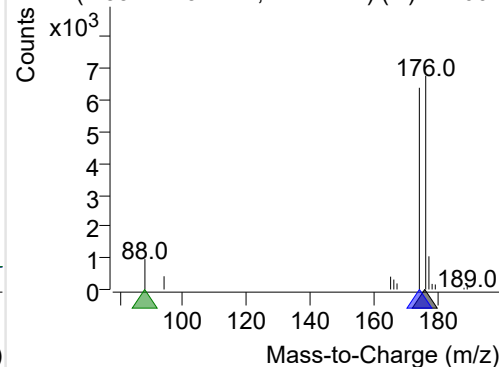
+ Selected Ion (176.0) 221007-PAHs-015.D



176.0, 174.0, 88.0

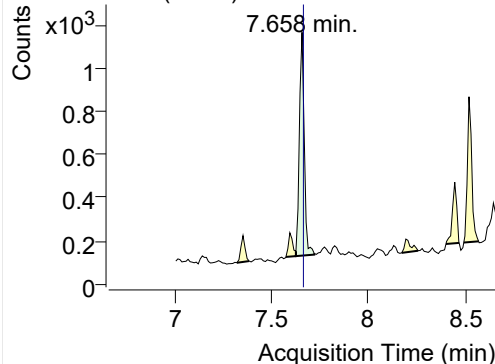


+ SIM (7.554-7.732 min, 17 scans) (**) 221007

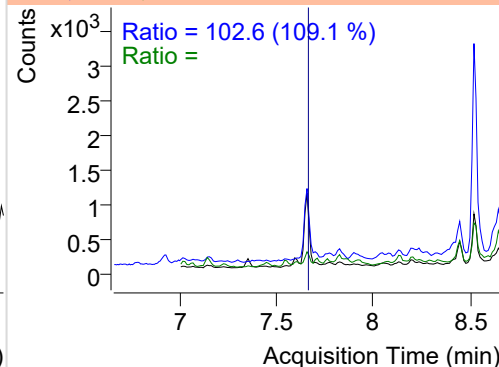


Fluorene

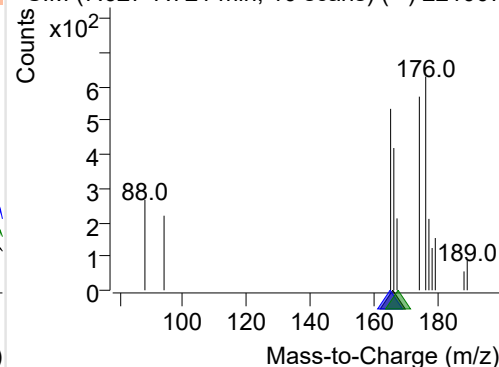
+ Selected Ion (166.0) 221007-PAHs-015.D



166.0, 165.0, 167.0

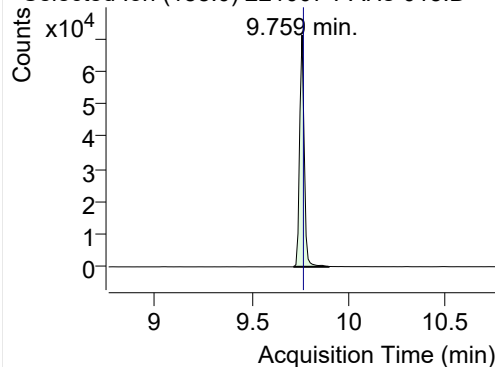


+ SIM (7.627-7.721 min, 10 scans) (**) 221007

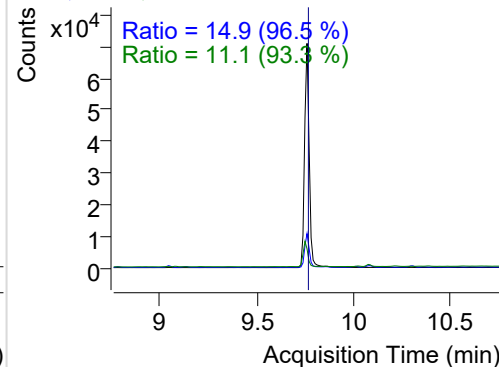


IS-D10-Phenanthrene

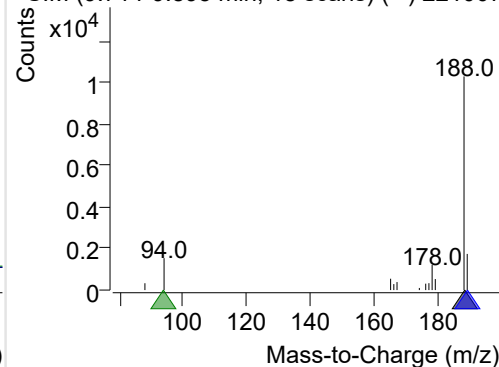
+ Selected Ion (188.0) 221007-PAHs-015.D



188.0, 189.0, 94.0

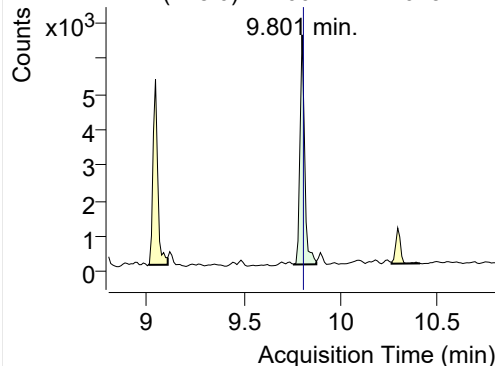


+ SIM (9.714-9.895 min, 18 scans) (**) 221007

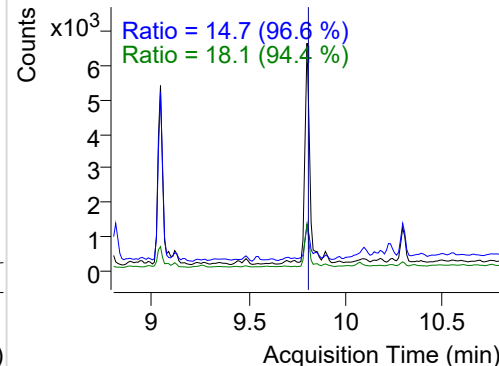


Phenanthrene

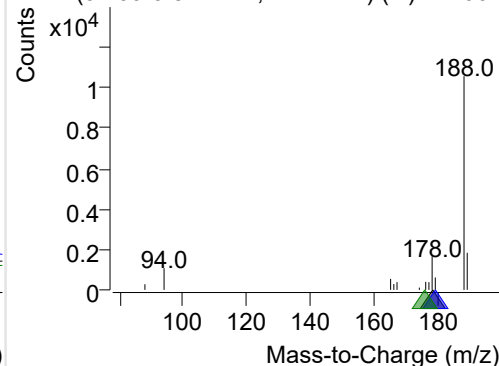
+ Selected Ion (178.0) 221007-PAHs-015.D



178.0, 179.0, 176.0

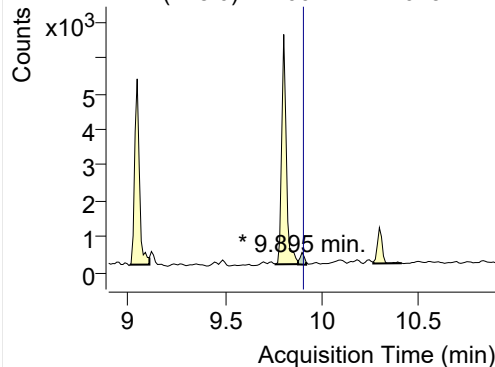


+ SIM (9.759-9.874 min, 12 scans) (**) 221007

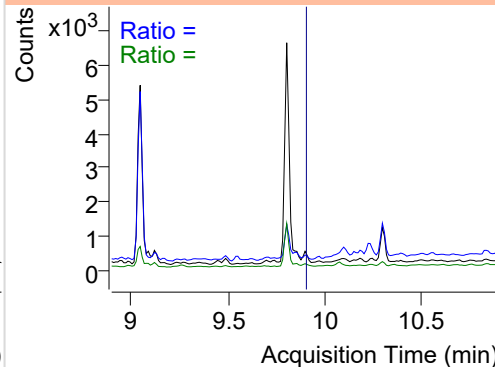


Anthracene

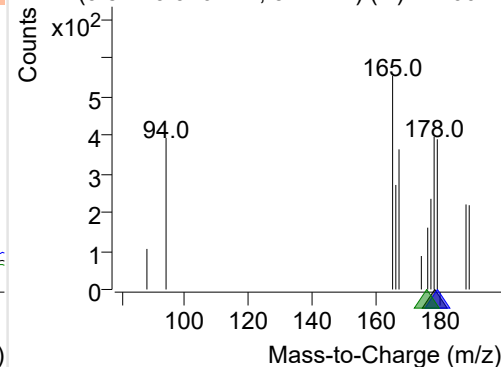
+ Selected Ion (178.0) 221007-PAHs-015.D



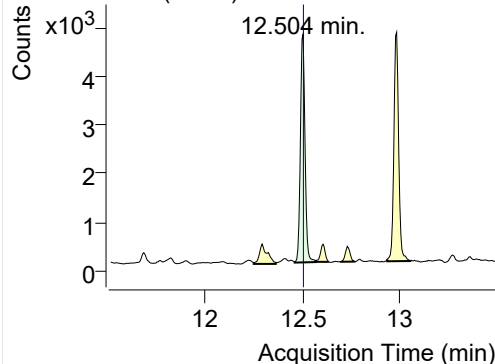
178.0, 179.0, 176.0



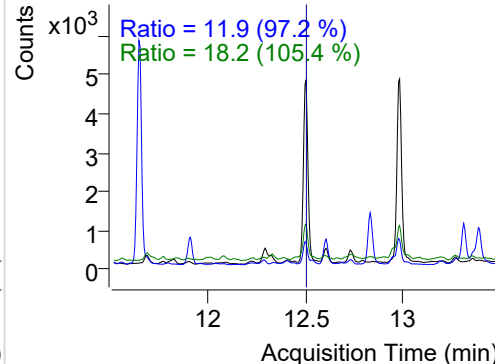
+ SIM (9.874-9.916 min, 5 scans) (**) 221007-I

**Fluoranthene**

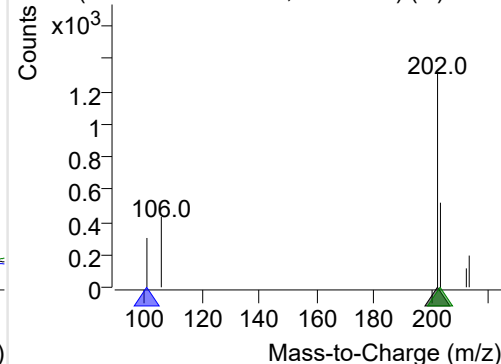
+ Selected Ion (202.0) 221007-PAHs-015.D



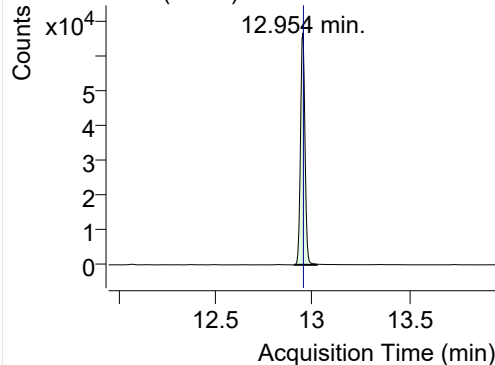
202.0, 101.0, 203.0



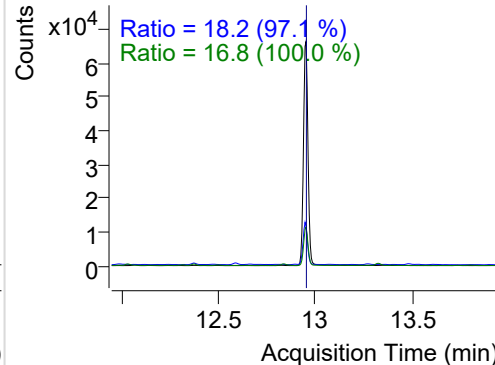
+ SIM (12.461-12.569 min, 21 scans) (**) 2210

**LSS-D10-Pyrene**

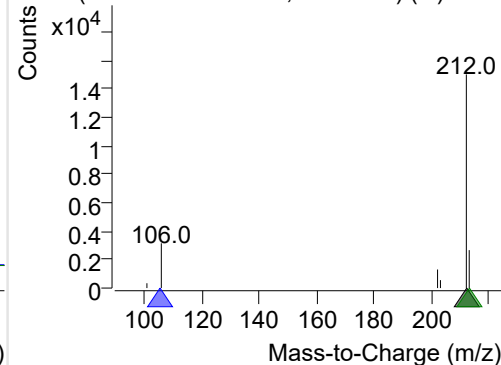
+ Selected Ion (212.0) 221007-PAHs-015.D



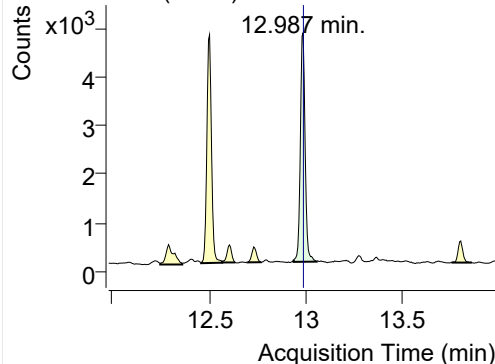
212.0, 106.0, 213.0



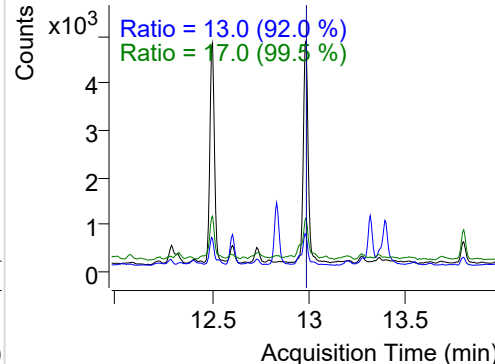
+ SIM (12.907-13.025 min, 22 scans) (**) 2210

**Pyrene**

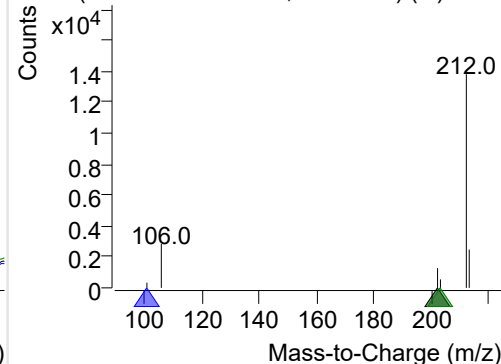
+ Selected Ion (202.0) 221007-PAHs-015.D



202.0, 101.0, 203.0

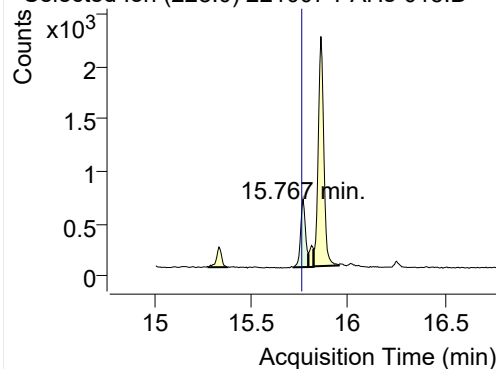


+ SIM (12.938-13.057 min, 23 scans) (**) 2210

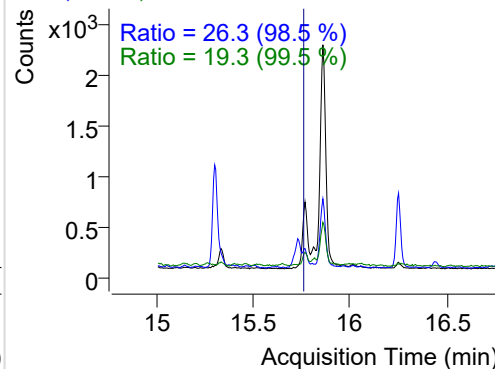


Benz(a)anthracene

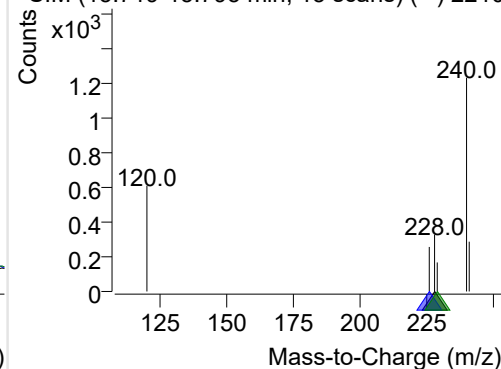
+ Selected Ion (228.0) 221007-PAHs-015.D



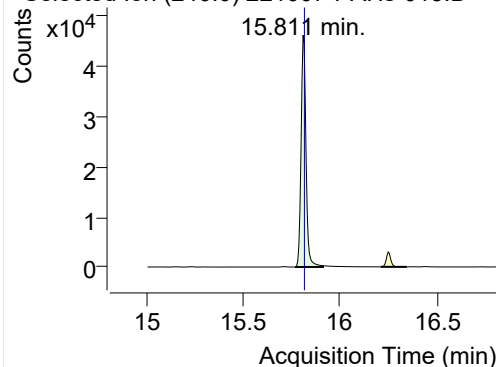
228.0, 226.0, 229.0



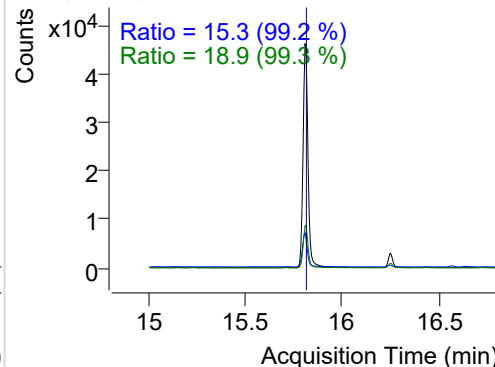
+ SIM (15.719-15.795 min, 15 scans) (**) 2210

**IS-D12-Chrysene**

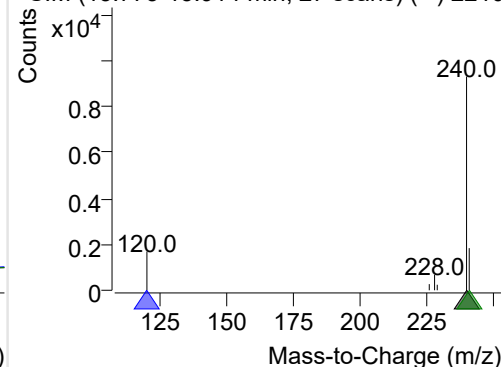
+ Selected Ion (240.0) 221007-PAHs-015.D



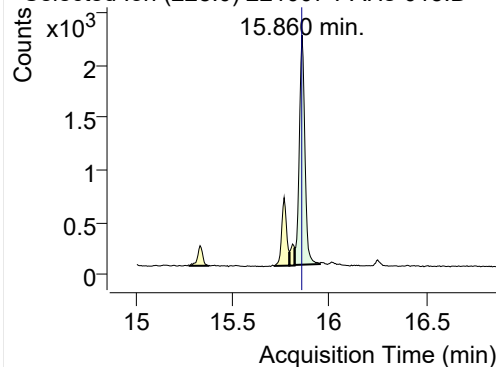
240.0, 120.0, 241.0



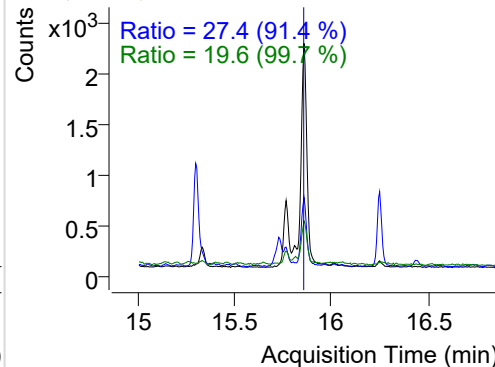
+ SIM (15.773-15.914 min, 27 scans) (**) 2210

**Chrysene**

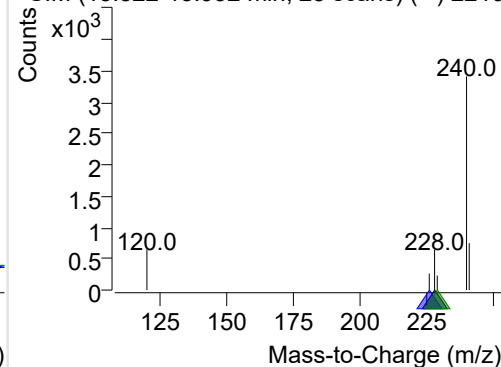
+ Selected Ion (228.0) 221007-PAHs-015.D



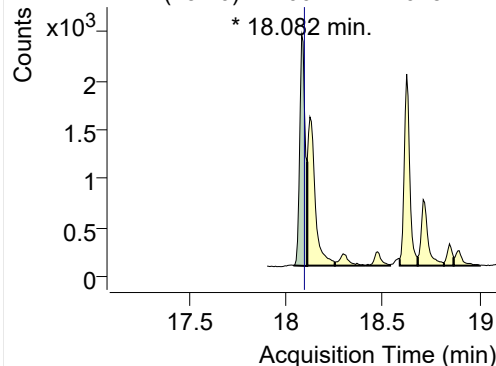
228.0, 226.0, 229.0



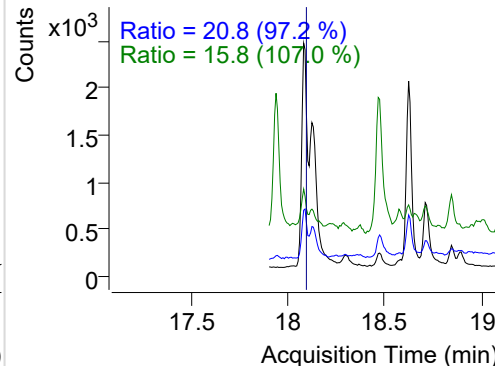
+ SIM (15.822-15.952 min, 25 scans) (**) 2210

**Benzo(b)fluoranthene**

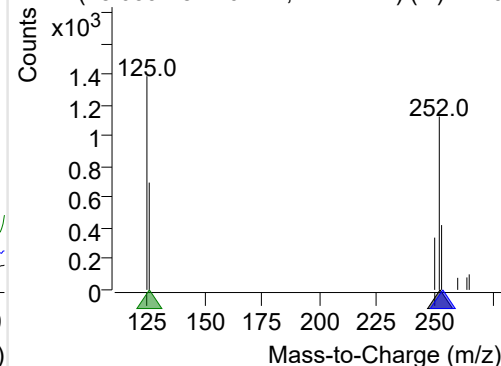
+ Selected Ion (252.0) 221007-PAHs-015.D



252.0, 253.0, 126.0

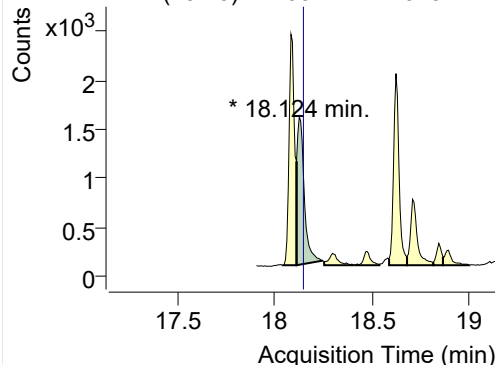


+ SIM (18.039-18.110 min, 11 scans) (**) 2210

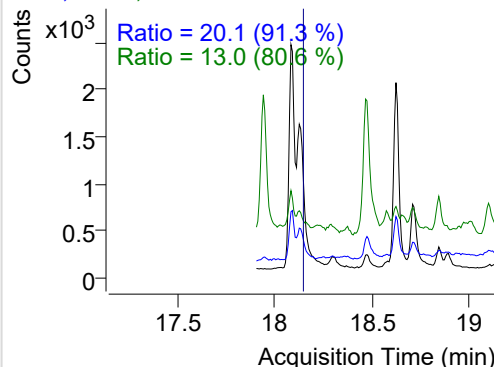


Benzo(k)fluoranthene

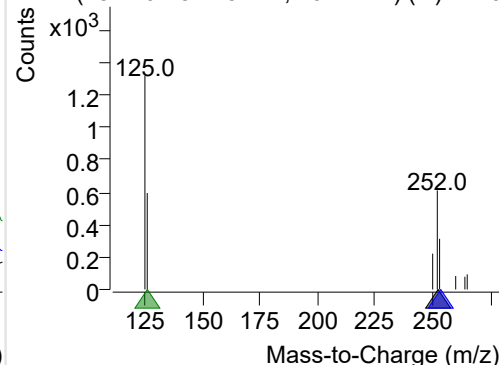
+ Selected Ion (252.0) 221007-PAHs-015.D



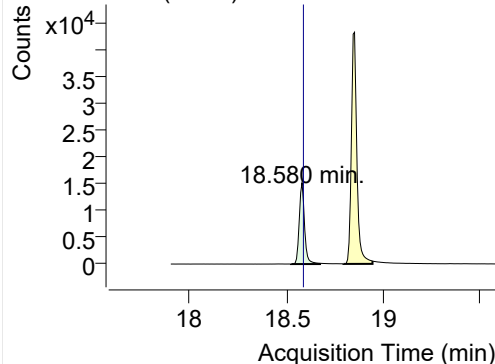
252.0, 253.0, 126.0



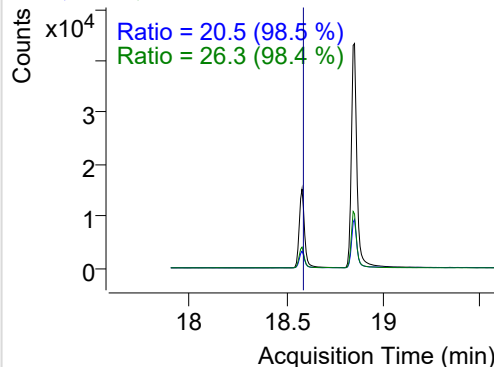
+ SIM (18.110-18.245 min, 20 scans) (**) 2210

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

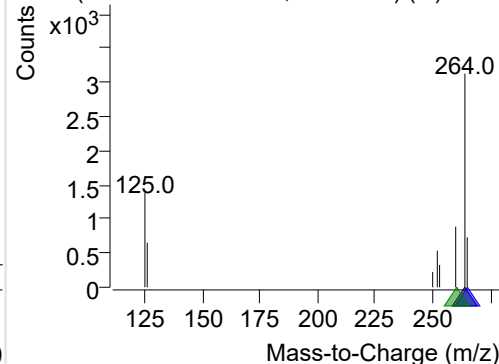
+ Selected Ion (264.0) 221007-PAHs-015.D



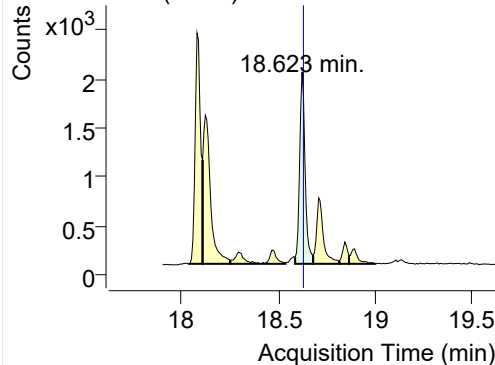
264.0, 265.0, 260.0



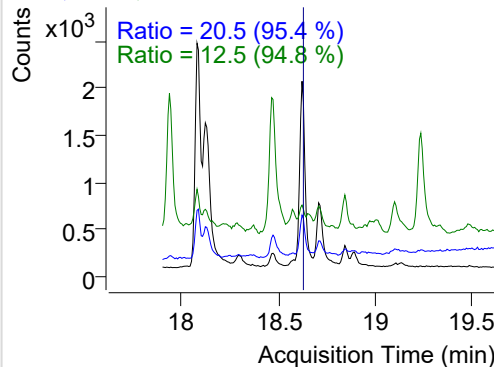
+ SIM (18.523-18.672 min, 22 scans) (**) 2210

**Benzo(e)pyrene**

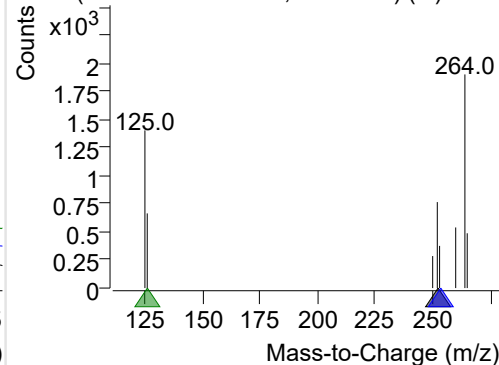
+ Selected Ion (252.0) 221007-PAHs-015.D



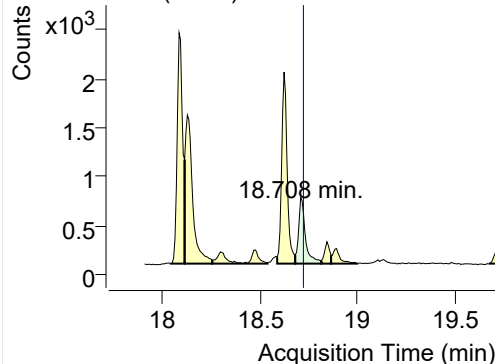
252.0, 253.0, 126.0



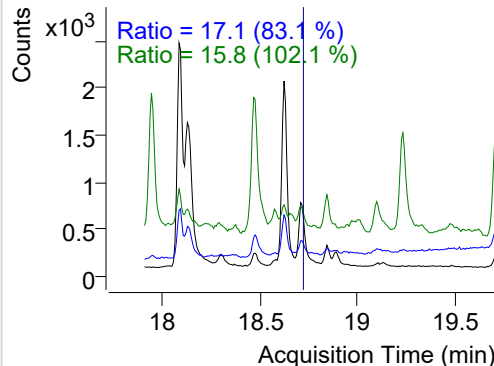
+ SIM (18.587-18.679 min, 14 scans) (**) 2210

**Benzo(a)pyrene**

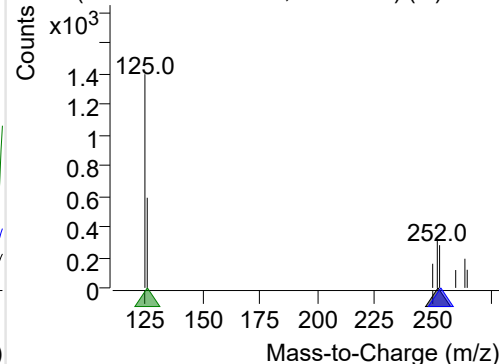
+ Selected Ion (252.0) 221007-PAHs-015.D



252.0, 253.0, 126.0

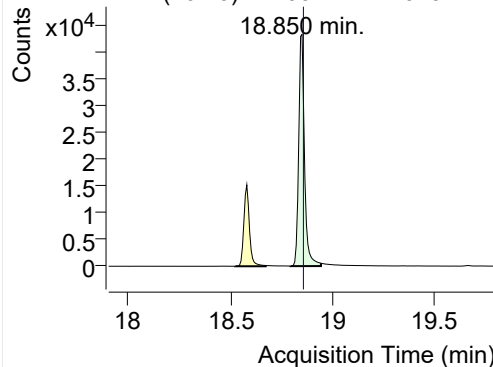


+ SIM (18.679-18.815 min, 20 scans) (**) 2210

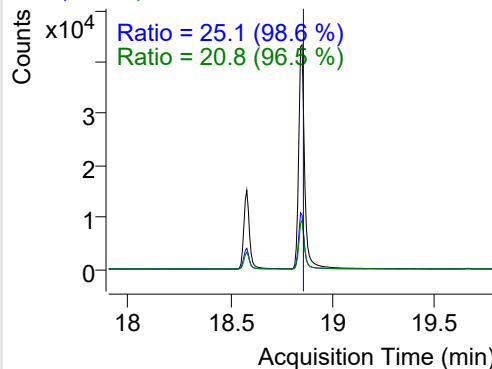


IS-D12-Perylene

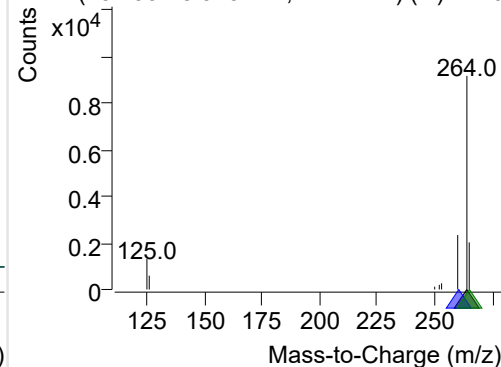
+ Selected Ion (264.0) 221007-PAHs-015.D



264.0, 260.0, 265.0

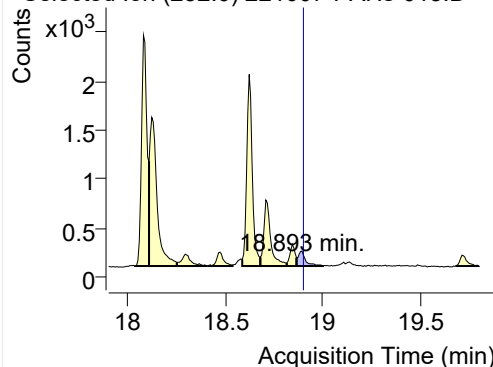


+ SIM (18.793-18.943 min, 22 scans) (**) 2210

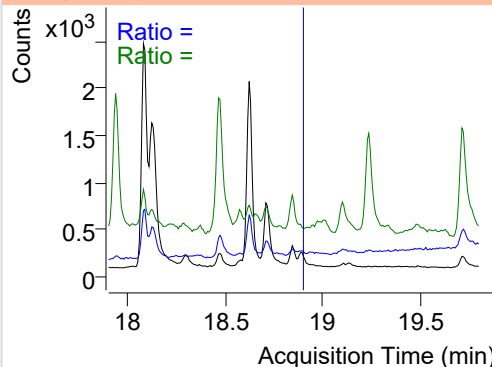


Perylene

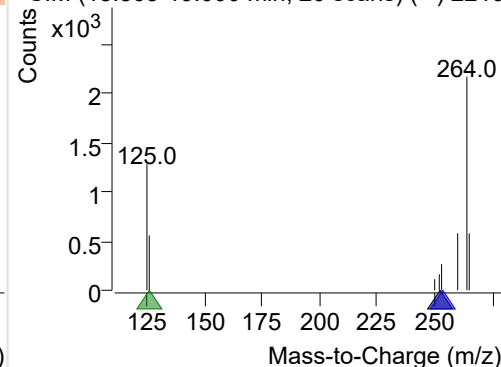
+ Selected Ion (252.0) 221007-PAHs-015.D



252.0, 253.0, 126.0

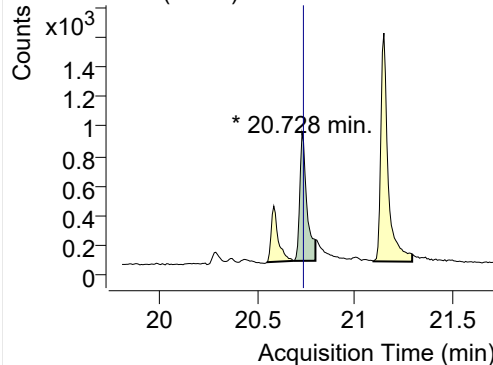


+ SIM (18.865-19.000 min, 20 scans) (**) 2210

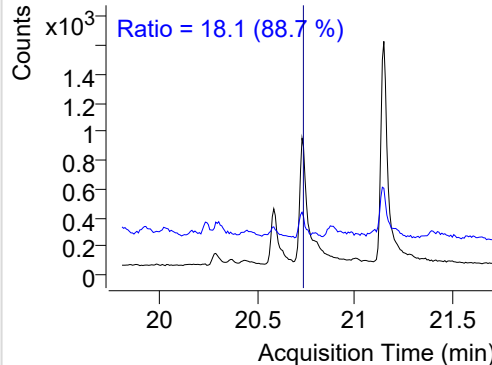


Indeno(1,2,3-c,d)pyrene

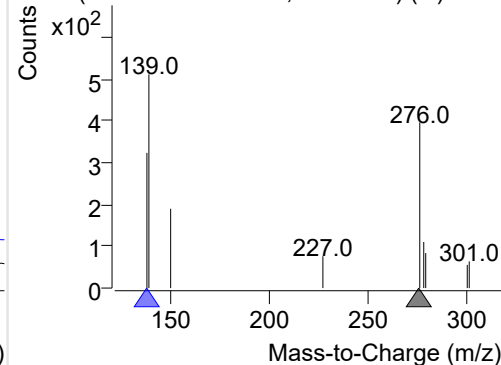
+ Selected Ion (276.0) 221007-PAHs-015.D



276.0, 138.0

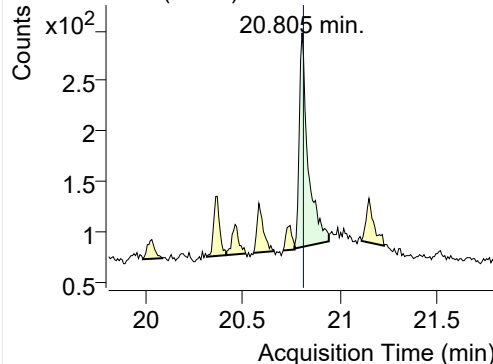


+ SIM (20.682-20.797 min, 16 scans) (**) 2210

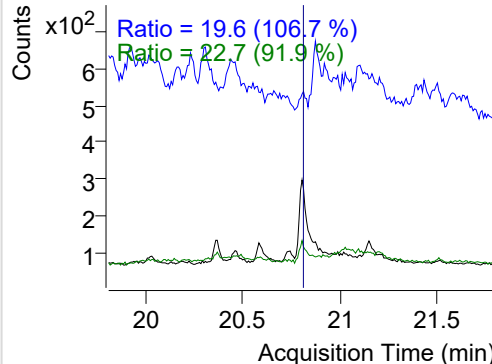


Dibenz(a,h)anthracene

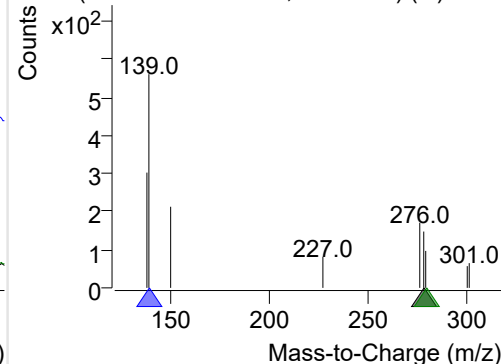
+ Selected Ion (278.0) 221007-PAHs-015.D



278.0, 139.0, 279.0

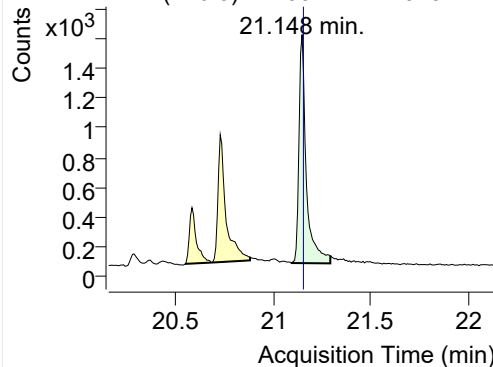


+ SIM (20.766-20.942 min, 24 scans) (**) 2210

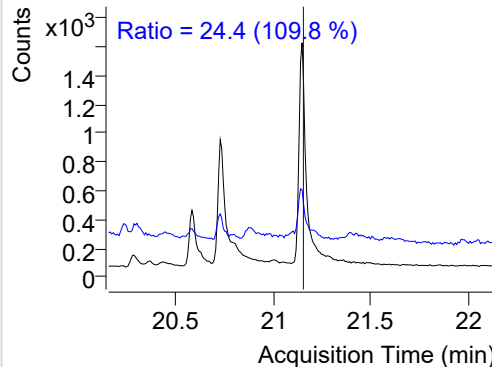


Benzo(g,h,i)perylene

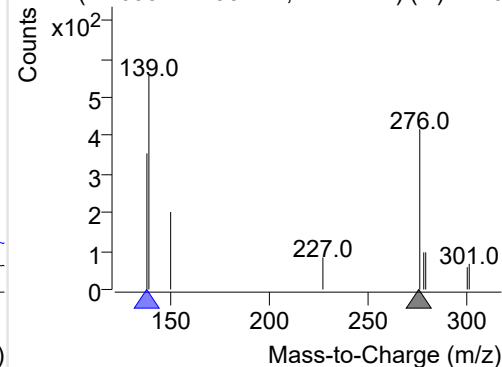
+ Selected Ion (276.0) 221007-PAHs-015.D



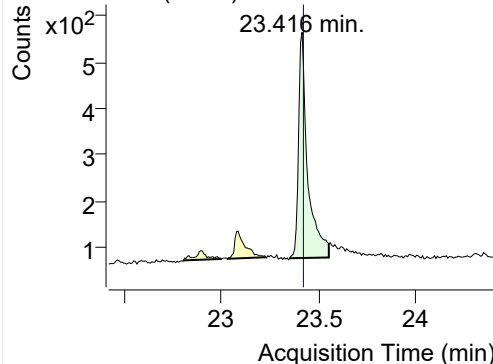
276.0, 138.0



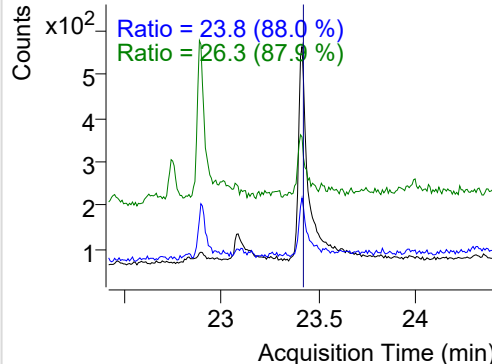
+ SIM (21.095-21.293 min, 27 scans) (**) 2210

**Coronene**

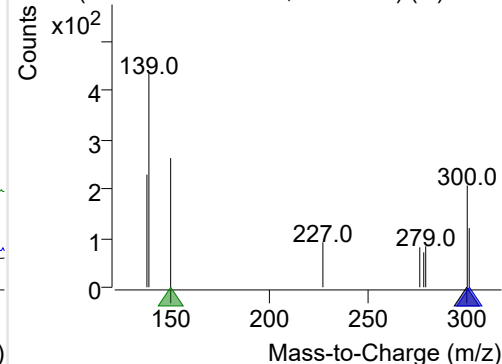
+ Selected Ion (300.0) 221007-PAHs-015.D



300.0, 301.0, 150.0



+ SIM (23.352-23.553 min, 27 scans) (**) 2210



Quantitative Analysis Sample Based Report

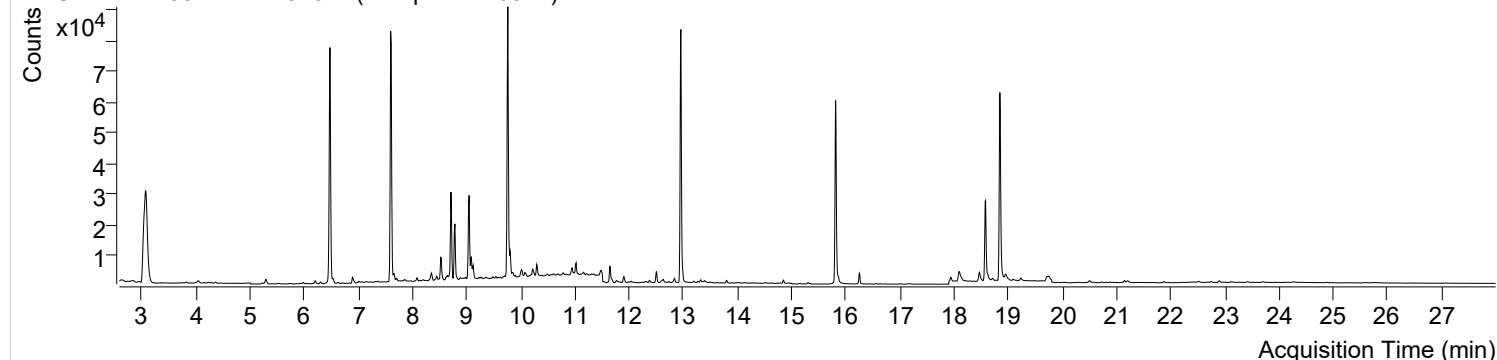


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 7:13:22	Data File	221007-PAHs-016.D
Type	Sample	Name	Sample-PM-0914
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

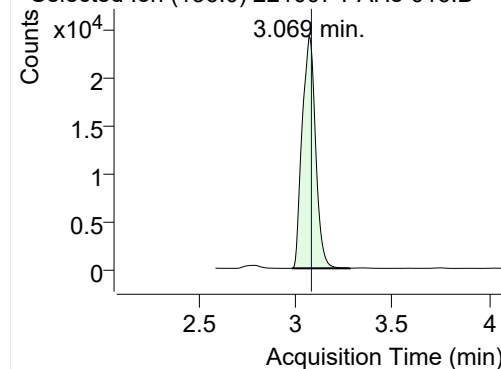
+ TIC SIM 221007-PAHs-016.D (Sample-PM-0914)



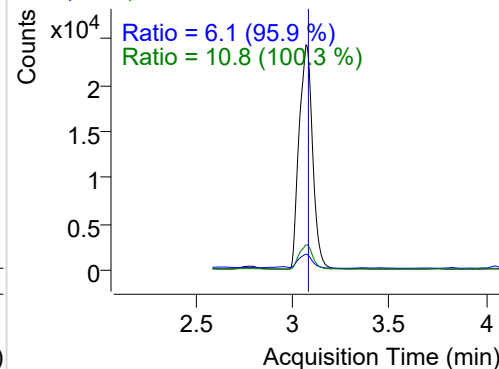
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.069	136.0	117029	24318.90	ND ng/ml	10.8
Naphthalene	3.101	128.0	8482	1809.79	ND ng/ml	12.3
Acenaphthylene	6.143	152.0	178	98.51	ND ng/ml	24.9
IS-D10-Acenaphthene	6.475	164.0	65776	36554.11	ND ng/ml	100.7
Acenaphthene	6.534	154.0	570	289.39	ND ng/ml	108.4
LSS-D10-Fluorene	7.596	176.0	66794	35528.63	ND ng/ml	95.1
Fluorene	7.659	166.0	1591	910.76	ND ng/ml	103.6
IS-D10-Phenanthrene	9.759	188.0	114718	71136.20	ND ng/ml	14.9
Phenanthrene	9.801	178.0	7881	4479.75	ND ng/ml	18.2
Anthracene	9.895	178.0	243	187.00	ND ng/ml	
Fluoranthene	12.504	202.0	4280	2609.00	ND ng/ml	16.1
LSS-D10-Pyrene	12.954	212.0	98738	61526.42	ND ng/ml	18.2
Pyrene	12.987	202.0	4308	2479.47	ND ng/ml	17.4
Benz(a)anthracene	15.768	228.0	520	288.18	ND ng/ml	72.3
IS-D12-Chrysene	15.811	240.0	77259	44778.34	ND ng/ml	18.8
Chrysene	15.860	228.0	1924	919.36	ND ng/ml	28.1
Benzo(b)fluoranthene	18.082	252.0	1900	940.64	ND ng/ml	24.1
Benzo(k)fluoranthene	18.124	252.0	1545	580.29	ND ng/ml	21.7
SS-D12-Benzo(e)pyrene	18.580	264.0	33703	17638.33	ND ng/ml	25.8
Benzo(e)pyrene	18.623	252.0	1468	736.46	ND ng/ml	23.3
Benzo(a)pyrene	18.715	252.0	663	305.53	ND ng/ml	28.4
IS-D12-Perylene	18.843	264.0	80656	41672.38	ND ng/ml	24.4
Perylene	18.886	252.0	150	80.46	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	20.736	276.0	546	214.33	ND ng/ml	19.9
Dibenz(a,h)anthracene	20.805	278.0	350	98.55	ND ng/ml	20.8
Benzo(g,h,i)perylene	21.148	276.0	1287	509.97	ND ng/ml	20.1
Coronene	23.416	300.0	530	164.40	ND ng/ml	19.9

IS-D8-Naphthalene

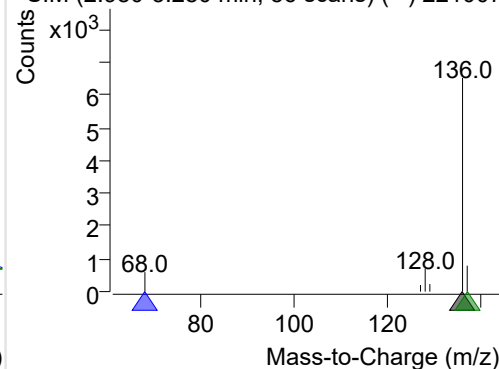
+ Selected Ion (136.0) 221007-PAHs-016.D



136.0, 68.0, 137.0

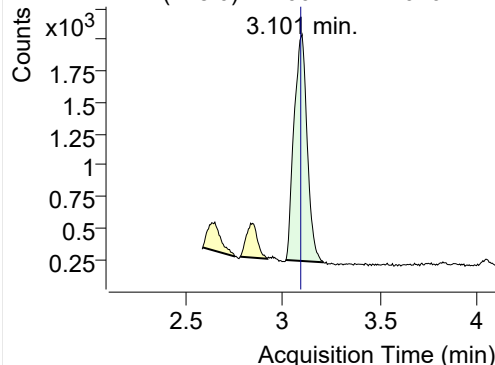


+ SIM (2.980-3.280 min, 56 scans) (**) 221007

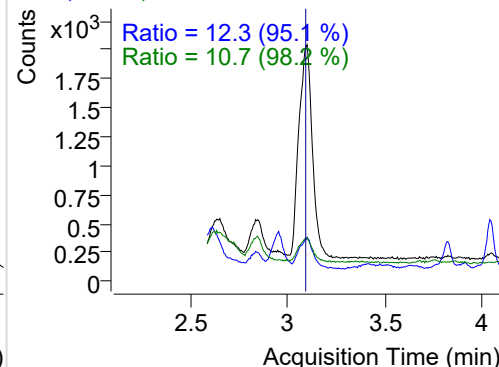


Naphthalene

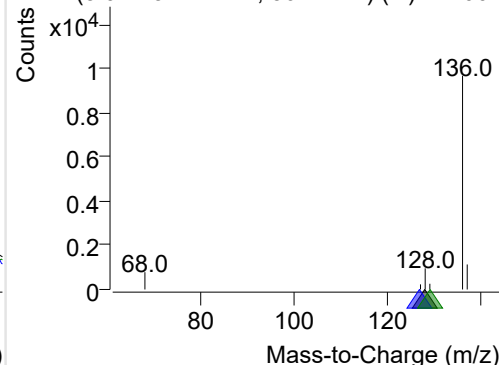
+ Selected Ion (128.0) 221007-PAHs-016.D



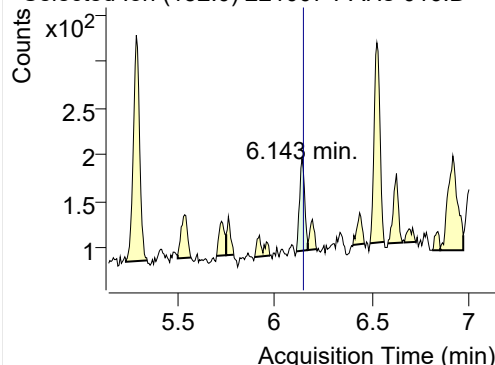
128.0, 127.0, 129.0



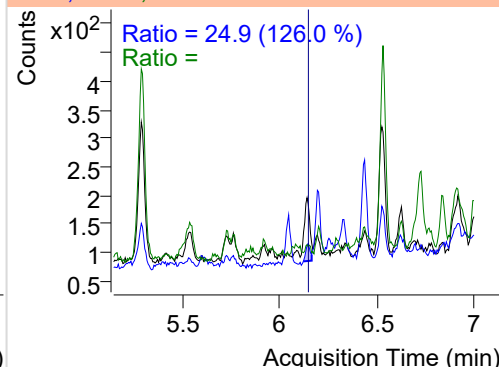
+ SIM (3.017-3.212 min, 36 scans) (**) 221007

**Acenaphthylene**

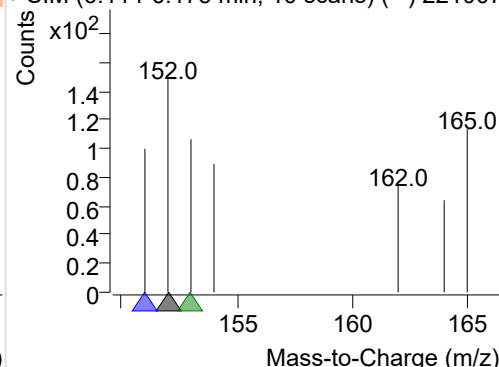
+ Selected Ion (152.0) 221007-PAHs-016.D



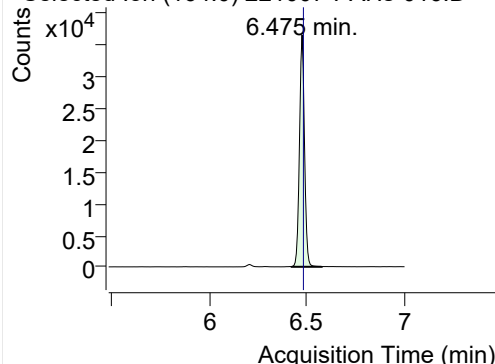
152.0, 151.0, 153.0



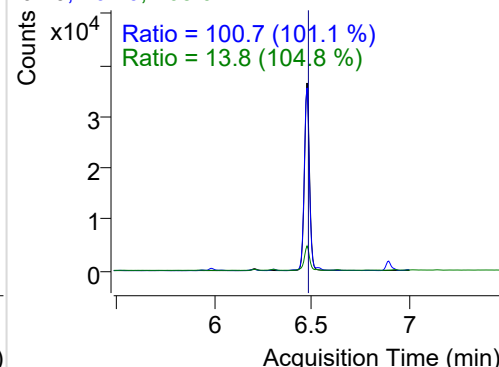
+ SIM (6.114-6.173 min, 10 scans) (**) 221007

**IS-D10-Acenaphthene**

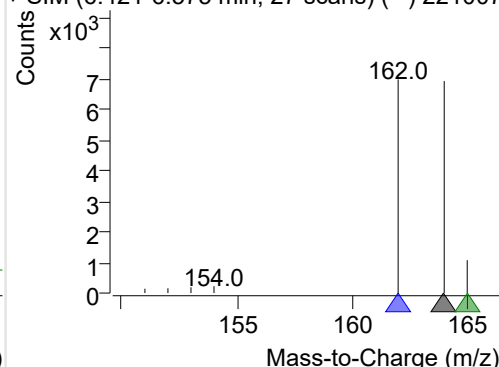
+ Selected Ion (164.0) 221007-PAHs-016.D



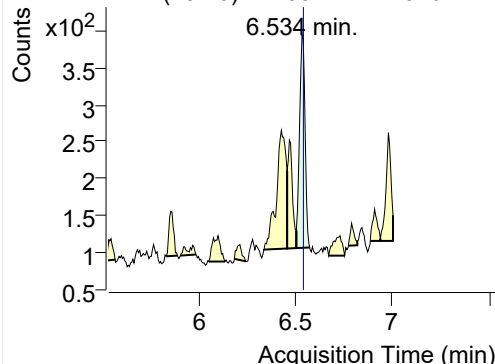
164.0, 162.0, 165.0



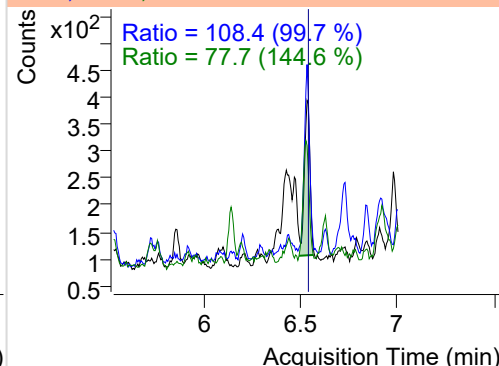
+ SIM (6.421-6.575 min, 27 scans) (**) 221007

**Acenaphthene**

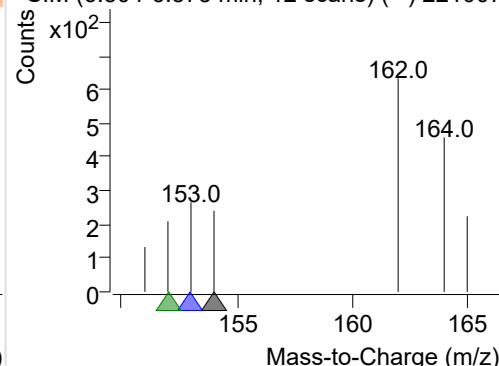
+ Selected Ion (154.0) 221007-PAHs-016.D



154.0, 153.0, 152.0

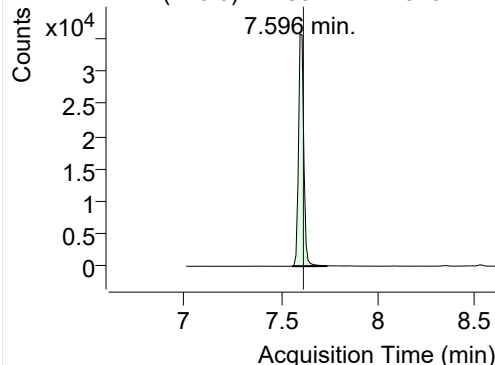


+ SIM (6.504-6.573 min, 12 scans) (**) 221007

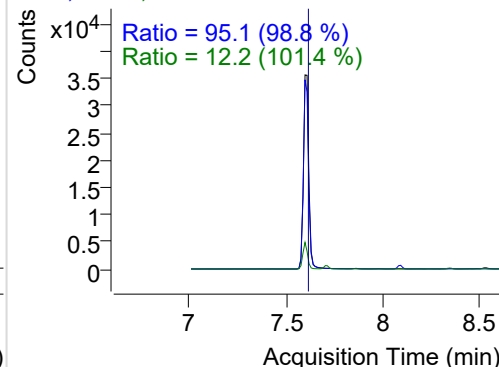


LSS-D10-Fluorene

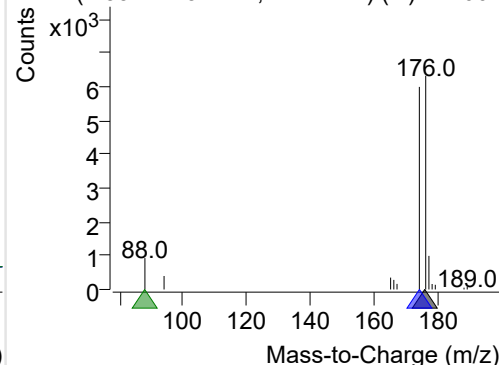
+ Selected Ion (176.0) 221007-PAHs-016.D



176.0, 174.0, 88.0

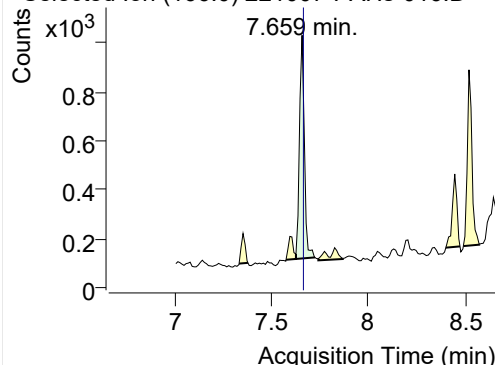


+ SIM (7.554-7.732 min, 17 scans) (**) 221007

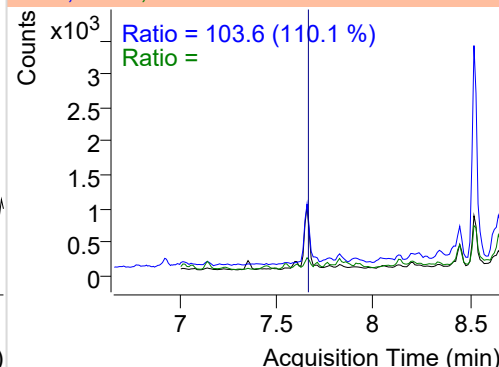


Fluorene

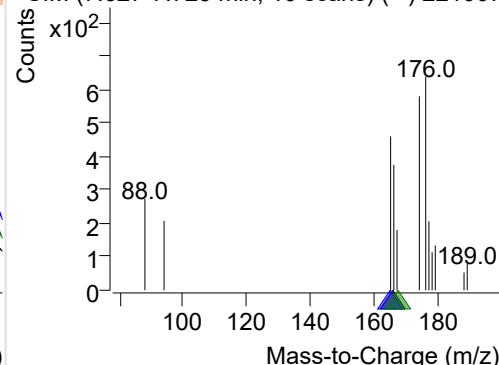
+ Selected Ion (166.0) 221007-PAHs-016.D



166.0, 165.0, 167.0

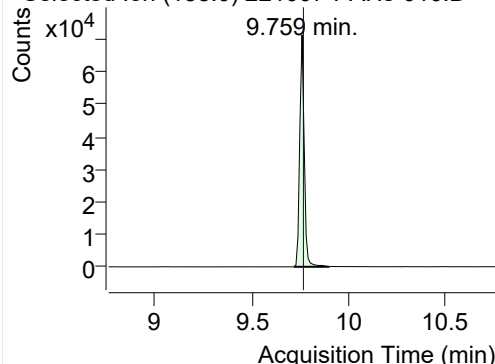


+ SIM (7.627-7.725 min, 10 scans) (**) 221007

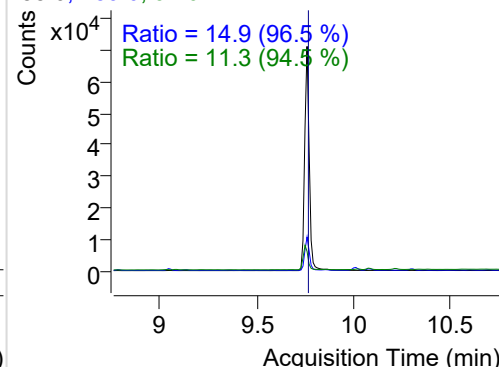


IS-D10-Phenanthrene

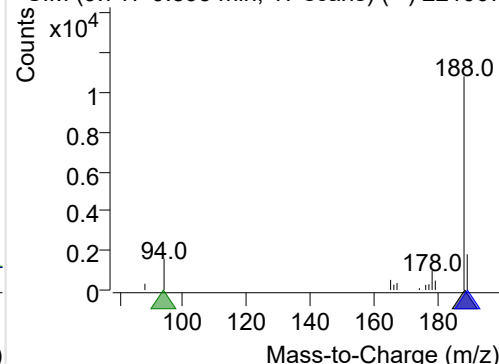
+ Selected Ion (188.0) 221007-PAHs-016.D



188.0, 189.0, 94.0

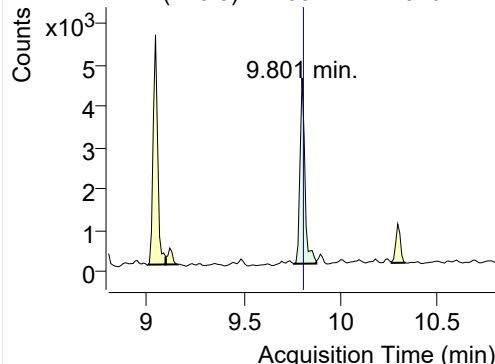


+ SIM (9.717-9.895 min, 17 scans) (**) 221007

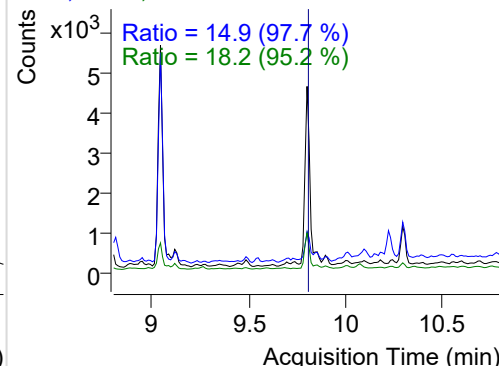


Phenanthrene

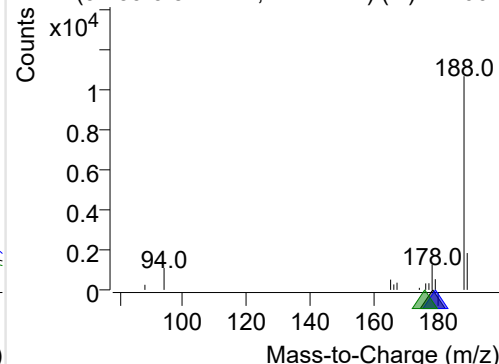
+ Selected Ion (178.0) 221007-PAHs-016.D



178.0, 179.0, 176.0

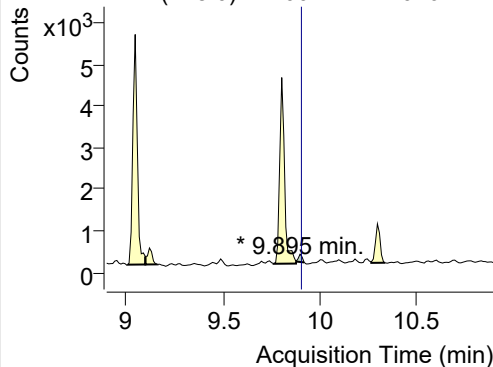


+ SIM (9.759-9.874 min, 12 scans) (**) 221007

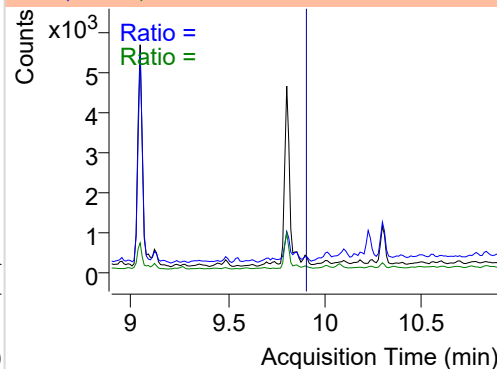


Anthracene

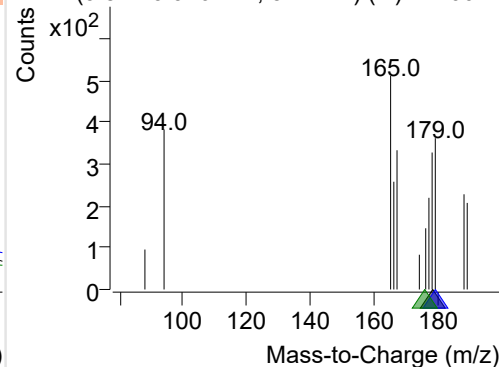
+ Selected Ion (178.0) 221007-PAHs-016.D



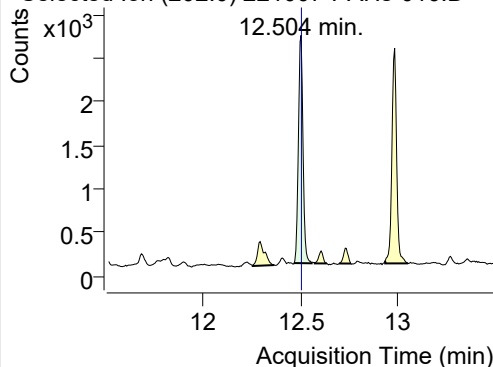
178.0, 179.0, 176.0



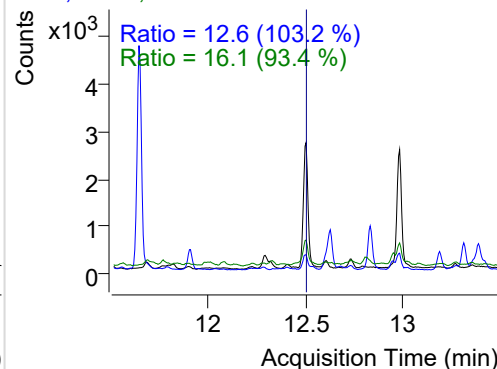
+ SIM (9.874-9.916 min, 5 scans) (**) 221007-I

**Fluoranthene**

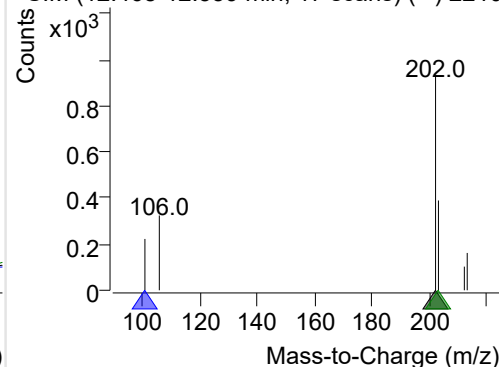
+ Selected Ion (202.0) 221007-PAHs-016.D



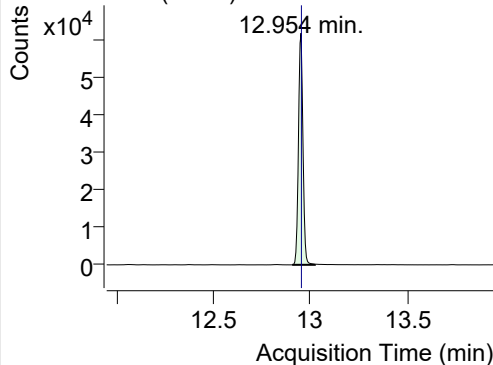
202.0, 101.0, 203.0



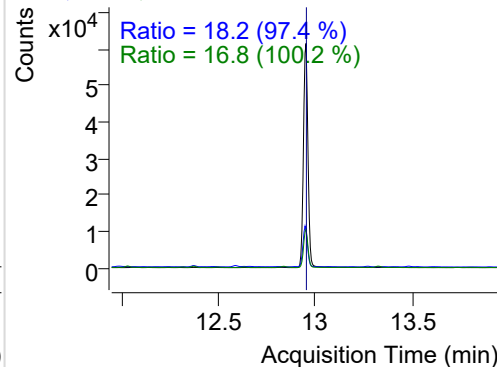
+ SIM (12.468-12.559 min, 17 scans) (**) 2210

**LSS-D10-Pyrene**

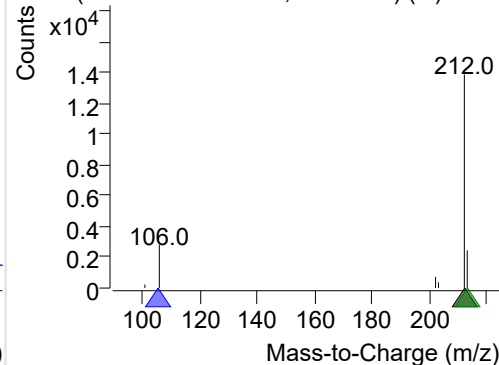
+ Selected Ion (212.0) 221007-PAHs-016.D



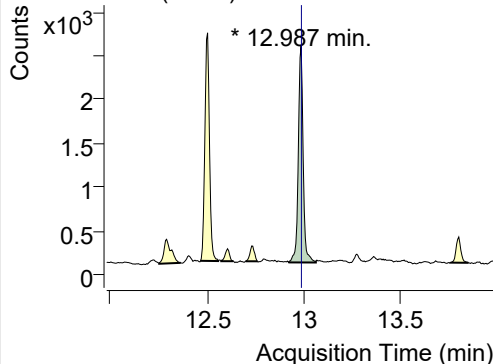
212.0, 106.0, 213.0



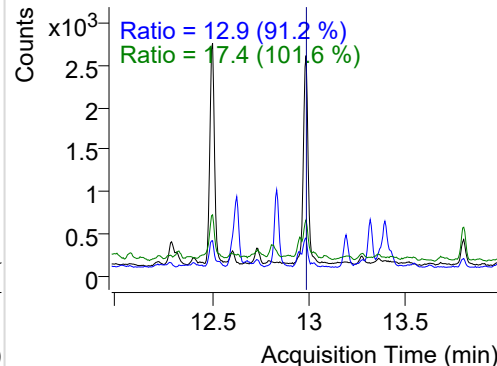
+ SIM (12.908-13.025 min, 22 scans) (**) 2210

**Pyrene**

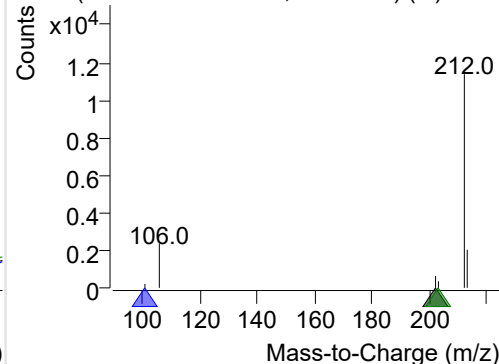
+ Selected Ion (202.0) 221007-PAHs-016.D



202.0, 101.0, 203.0



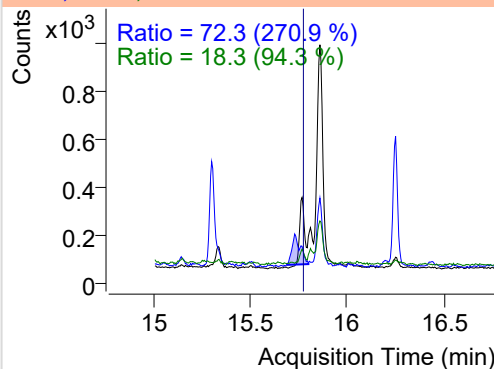
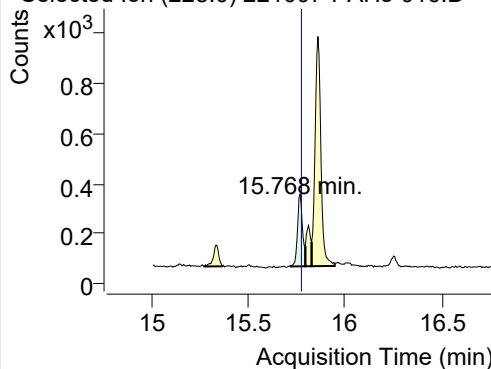
+ SIM (12.922-13.063 min, 27 scans) (**) 2210



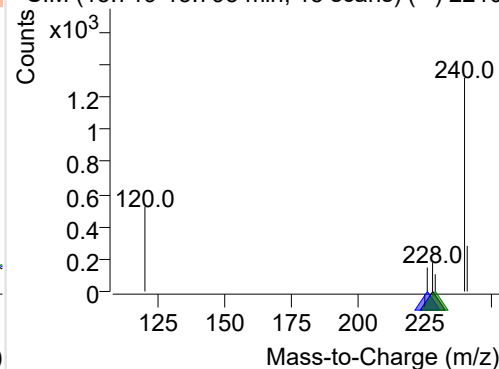
Benz(a)anthracene

+ Selected Ion (228.0) 221007-PAHs-016.D

228.0, 226.0, 229.0

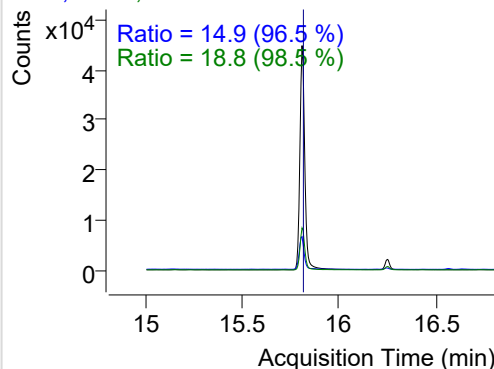
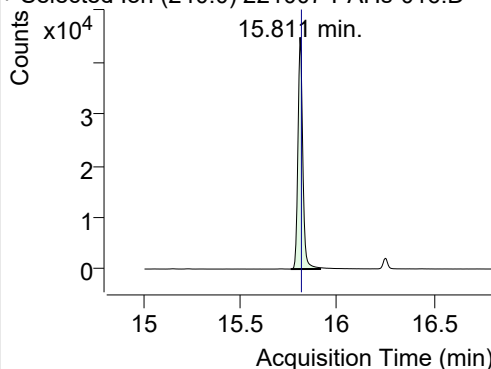


+ SIM (15.719-15.795 min, 15 scans) (**) 2210

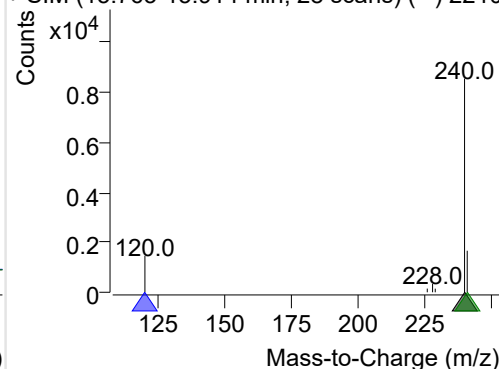
**IS-D12-Chrysene**

+ Selected Ion (240.0) 221007-PAHs-016.D

240.0, 120.0, 241.0

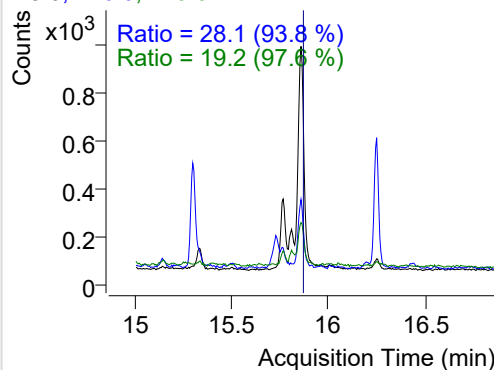
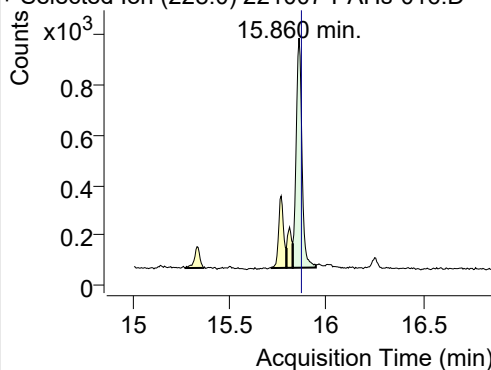


+ SIM (15.763-15.914 min, 28 scans) (**) 2210

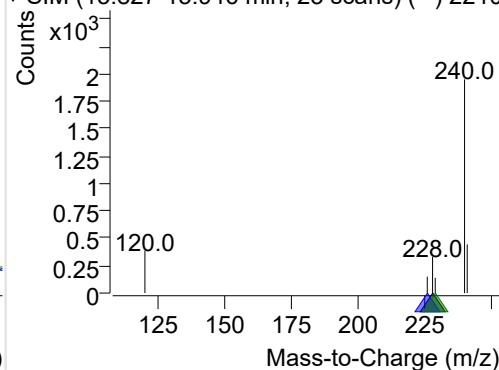
**Chrysene**

+ Selected Ion (228.0) 221007-PAHs-016.D

228.0, 226.0, 229.0

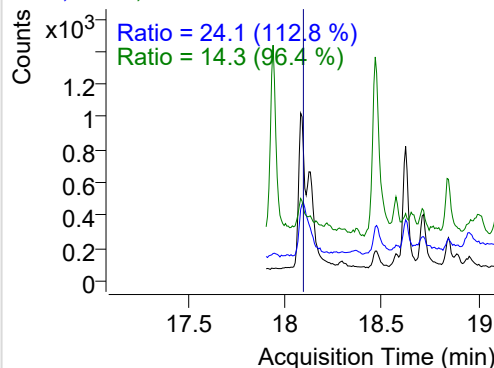
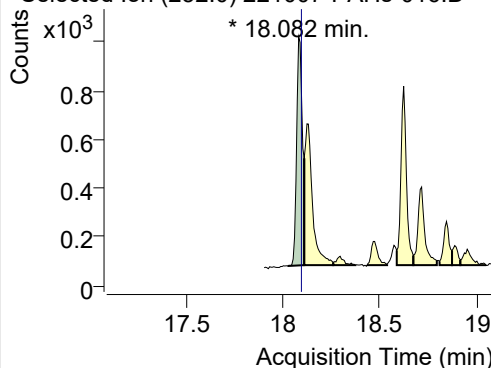


+ SIM (15.827-15.946 min, 23 scans) (**) 2210

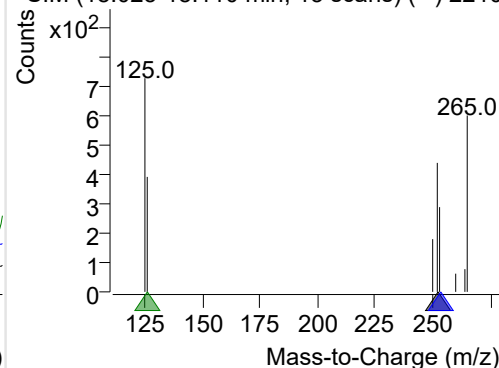
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 221007-PAHs-016.D

252.0, 253.0, 126.0

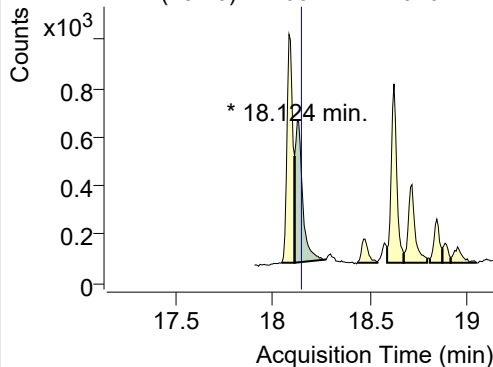


+ SIM (18.025-18.110 min, 13 scans) (**) 2210

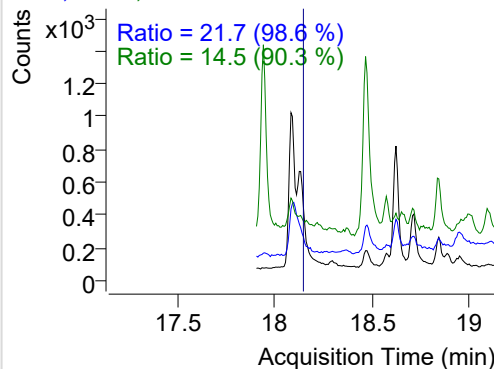


Benzo(k)fluoranthene

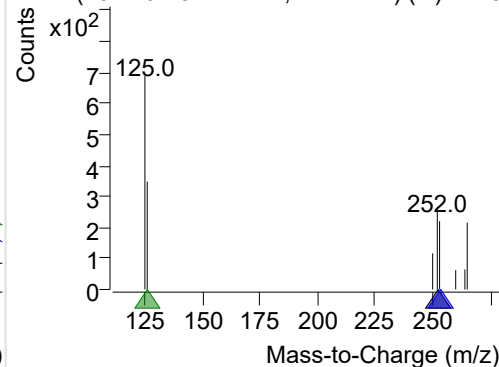
+ Selected Ion (252.0) 221007-PAHs-016.D



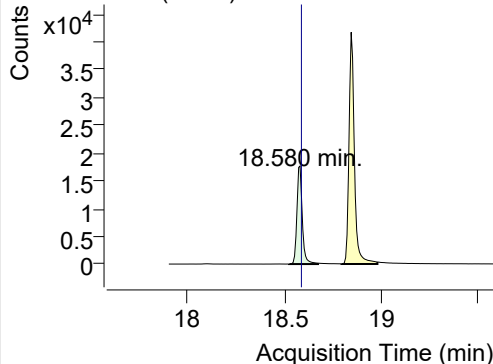
252.0, 253.0, 126.0



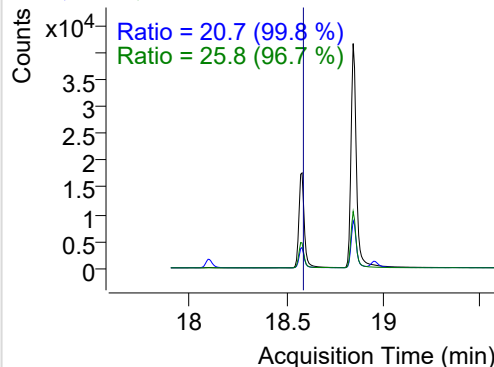
+ SIM (18.110-18.274 min, 24 scans) (**) 2210

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

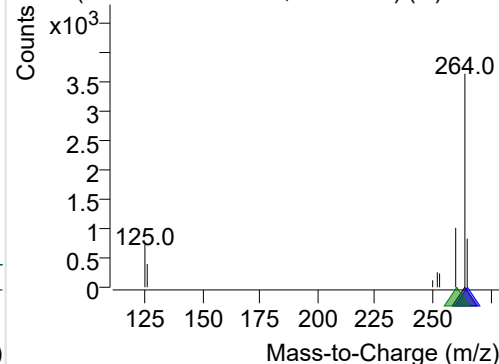
+ Selected Ion (264.0) 221007-PAHs-016.D



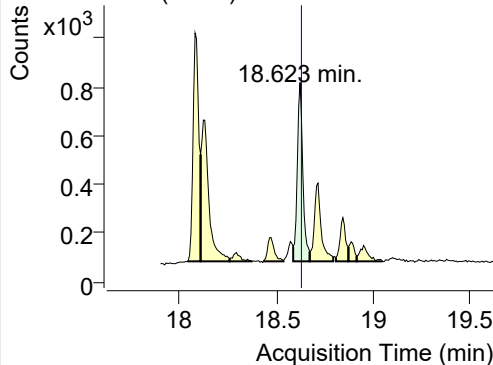
264.0, 265.0, 260.0



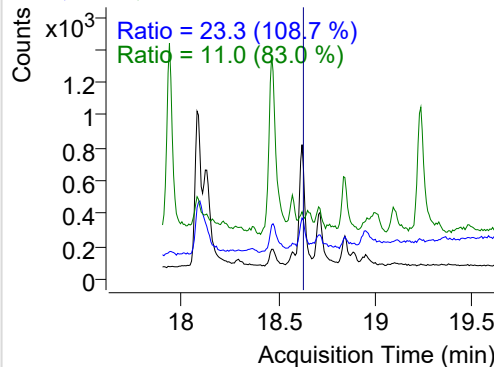
+ SIM (18.523-18.672 min, 22 scans) (**) 2210

**Benzo(e)pyrene**

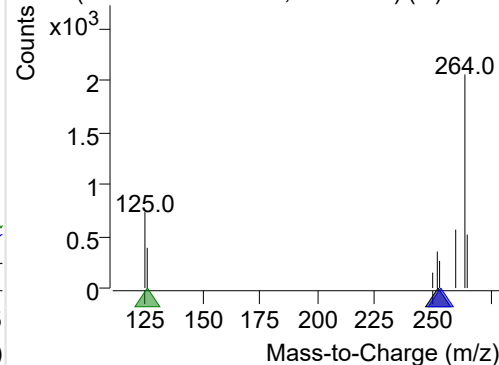
+ Selected Ion (252.0) 221007-PAHs-016.D



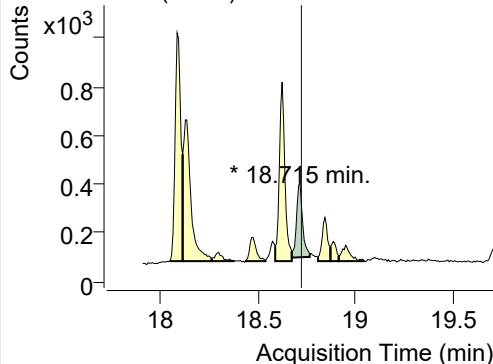
252.0, 253.0, 126.0



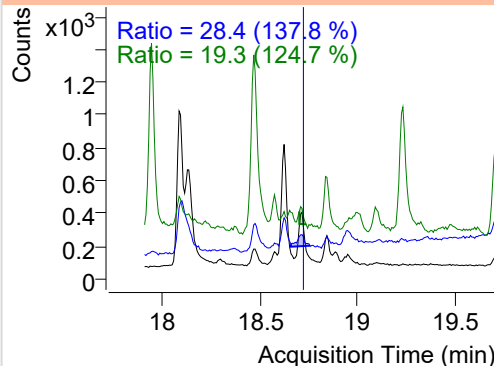
+ SIM (18.587-18.672 min, 13 scans) (**) 2210

**Benzo(a)pyrene**

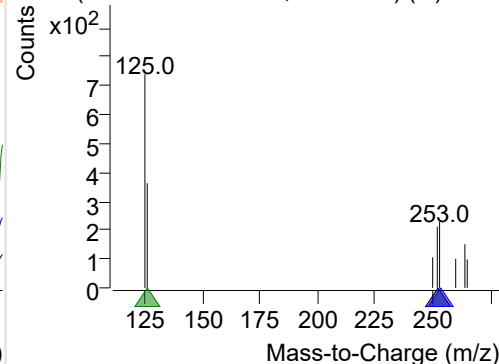
+ Selected Ion (252.0) 221007-PAHs-016.D



252.0, 253.0, 126.0

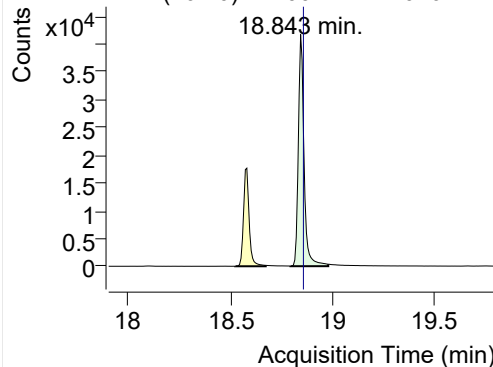


+ SIM (18.672-18.765 min, 14 scans) (**) 2210

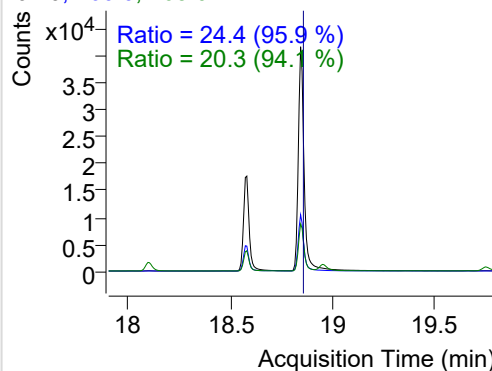


IS-D12-Perylene

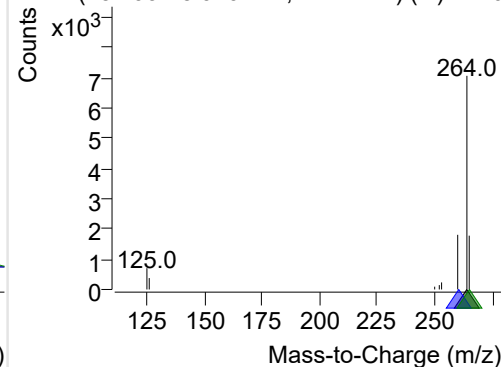
+ Selected Ion (264.0) 221007-PAHs-016.D



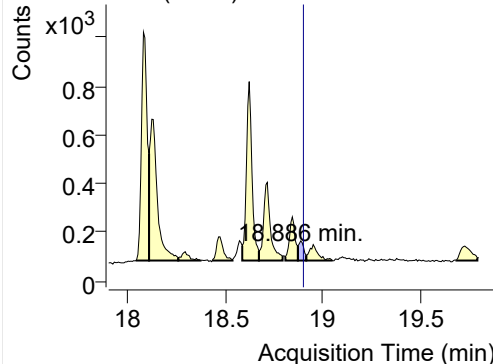
264.0, 260.0, 265.0



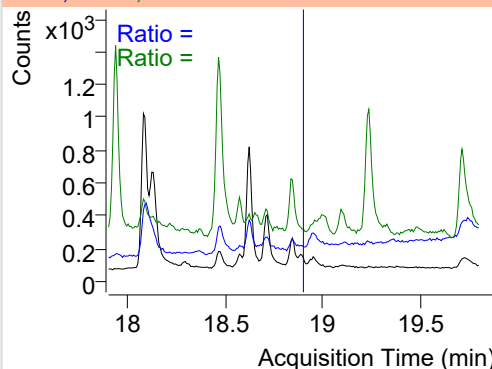
+ SIM (18.793-18.979 min, 27 scans) (**) 2210

**Perylene**

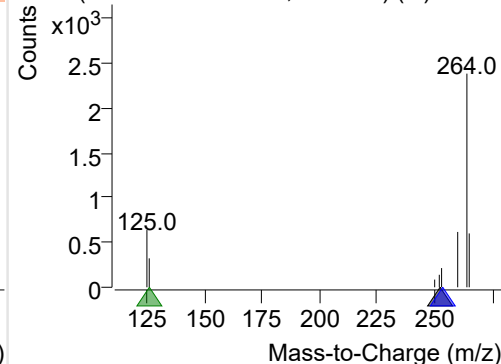
+ Selected Ion (252.0) 221007-PAHs-016.D



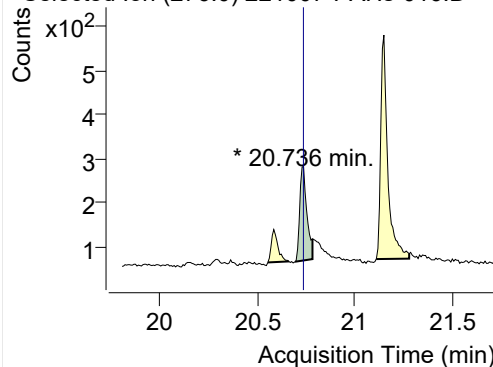
252.0, 253.0, 126.0



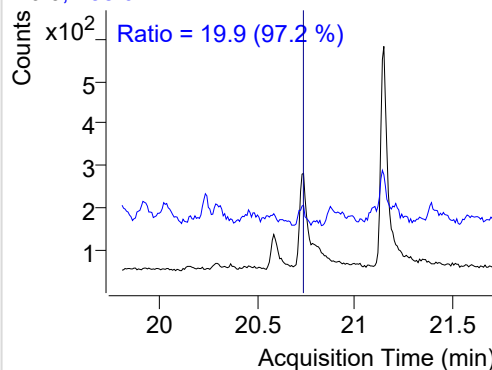
+ SIM (18.872-18.914 min, 7 scans) (**) 22100

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

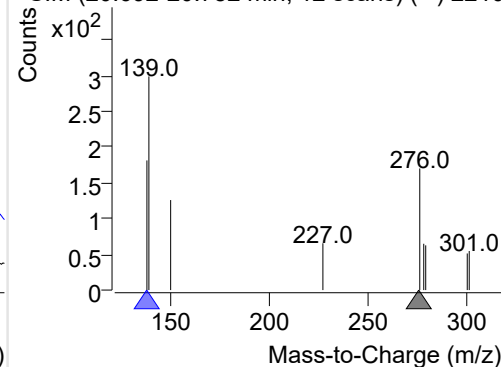
+ Selected Ion (276.0) 221007-PAHs-016.D



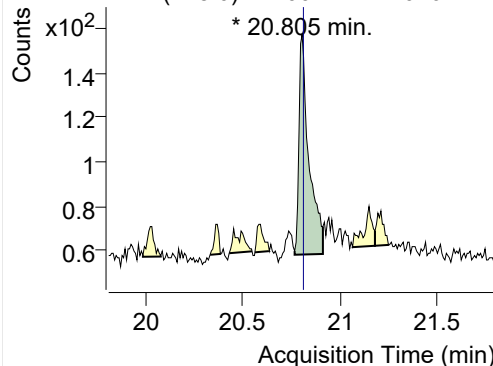
276.0, 138.0



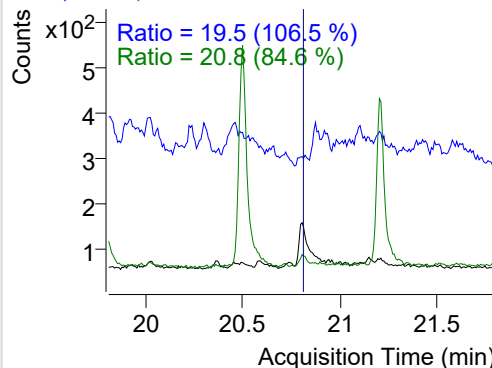
+ SIM (20.692-20.782 min, 12 scans) (**) 2210

**Dibenz(a,h)anthracene**

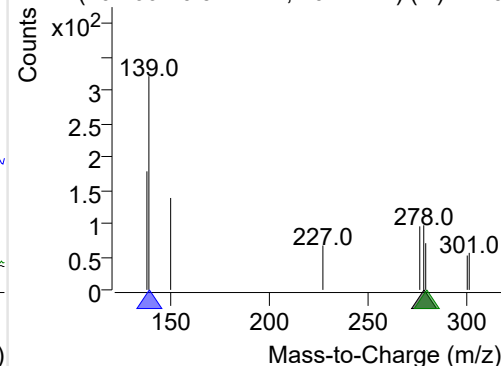
+ Selected Ion (278.0) 221007-PAHs-016.D



278.0, 139.0, 279.0

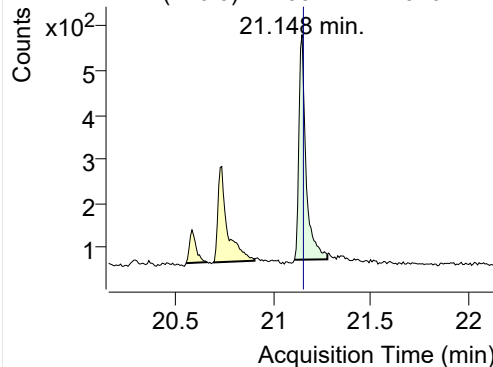


+ SIM (20.766-20.911 min, 20 scans) (**) 2210

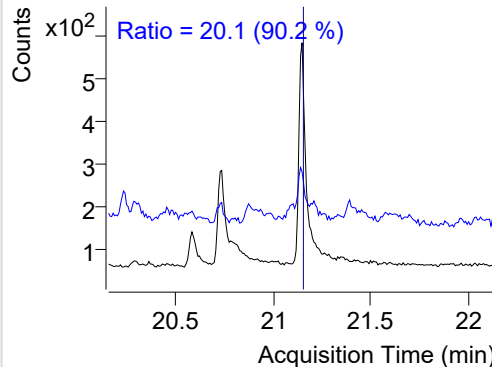


Benzo(g,h,i)perylene

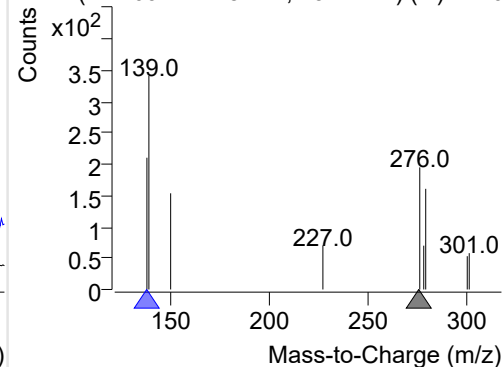
+ Selected Ion (276.0) 221007-PAHs-016.D



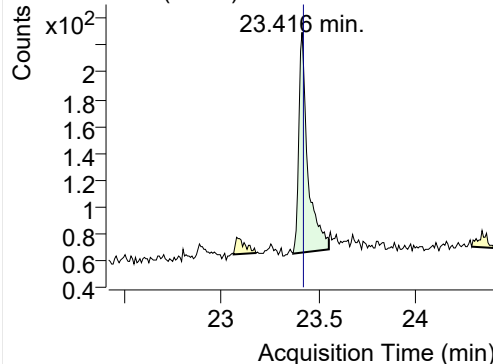
276.0, 138.0



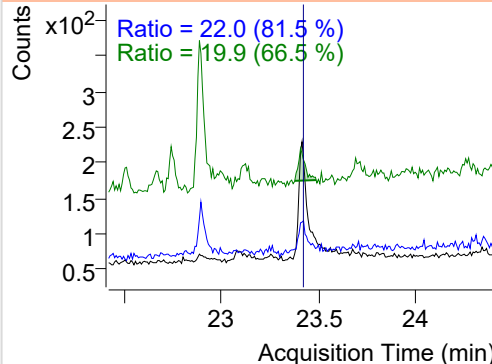
+ SIM (21.109-21.278 min, 23 scans) (**) 2210

**Coronene**

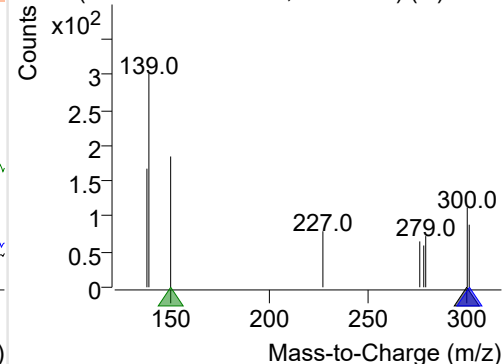
+ Selected Ion (300.0) 221007-PAHs-016.D



300.0, 301.0, 150.0



+ SIM (23.370-23.553 min, 25 scans) (**) 2210



Quantitative Analysis Sample Based Report

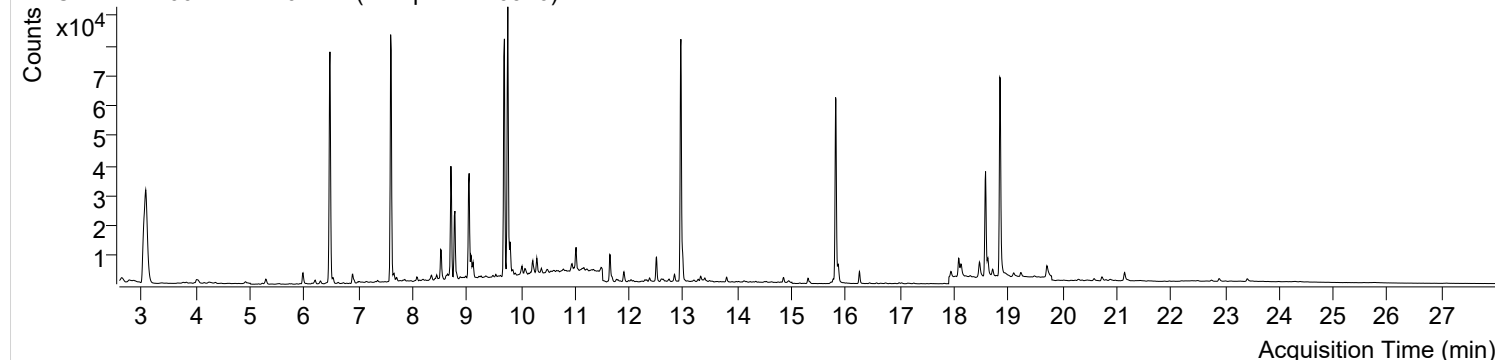


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 7:44:32	Data File	221007-PAHs-017.D
Type	Sample	Name	Sample-PM-0926
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

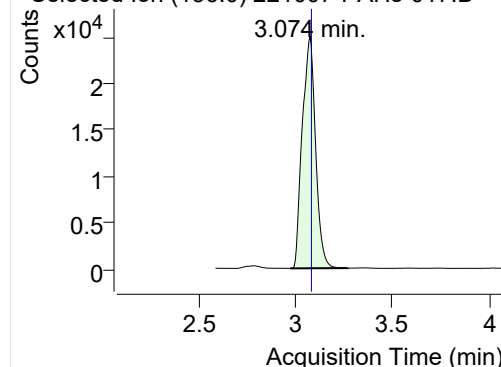
+ TIC SIM 221007-PAHs-017.D (Sample-PM-0926)



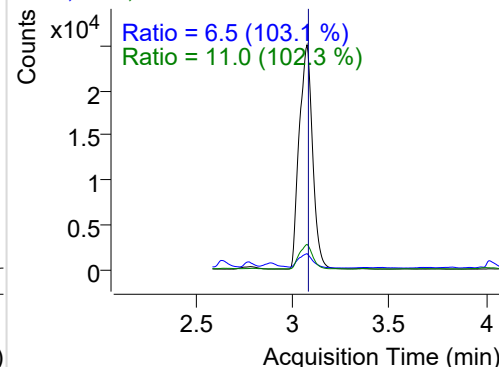
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	118694	25006.67	ND ng/ml	11.0
Naphthalene	3.096	128.0	8681	1855.84	ND ng/ml	13.2
Acenaphthylene	6.143	152.0	321	172.33	ND ng/ml	39.5
IS-D10-Acenaphthene	6.475	164.0	66593	36595.32	ND ng/ml	98.3
Acenaphthene	6.534	154.0	615	334.32	ND ng/ml	114.0
LSS-D10-Fluorene	7.596	176.0	65964	35901.98	ND ng/ml	94.8
Fluorene	7.659	166.0	1670	976.13	ND ng/ml	113.0
IS-D10-Phenanthrene	9.759	188.0	116820	71917.97	ND ng/ml	15.1
Phenanthrene	9.801	178.0	10870	6337.08	ND ng/ml	17.7
Anthracene	9.895	178.0	602	363.82	ND ng/ml	17.3
Fluoranthene	12.504	202.0	10094	6118.75	ND ng/ml	16.3
LSS-D10-Pyrene	12.954	212.0	99509	59533.64	ND ng/ml	18.2
Pyrene	12.987	202.0	10588	6386.39	ND ng/ml	18.0
Benz(a)anthracene	15.768	228.0	1950	1058.80	ND ng/ml	29.2
IS-D12-Chrysene	15.816	240.0	81867	46297.25	ND ng/ml	18.9
Chrysene	15.860	228.0	6666	3423.83	ND ng/ml	30.2
Benzo(b)fluoranthene	18.082	252.0	6653	3478.97	ND ng/ml	21.5
Benzo(k)fluoranthene	18.131	252.0	6127	2450.33	ND ng/ml	20.7
SS-D12-Benzo(e)pyrene	18.580	264.0	43811	23482.33	ND ng/ml	26.7
Benzo(e)pyrene	18.623	252.0	5710	2934.70	ND ng/ml	20.3
Benzo(a)pyrene	18.708	252.0	2681	1142.81	ND ng/ml	19.0
IS-D12-Perylene	18.843	264.0	88021	44937.77	ND ng/ml	25.0
Perylene	18.886	252.0	554	226.03	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	20.728	276.0	3165	1071.49	ND ng/ml	17.5
Dibenz(a,h)anthracene	20.805	278.0	488	182.20	ND ng/ml	20.3
Benzo(g,h,i)perylene	21.148	276.0	5362	2161.09	ND ng/ml	21.3
Coronene	23.416	300.0	1748	541.78	ND ng/ml	27.7

IS-D8-Naphthalene

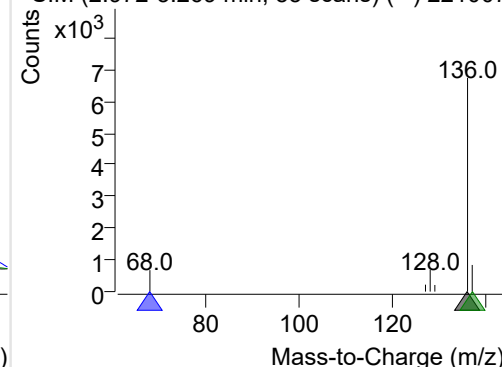
+ Selected Ion (136.0) 221007-PAHs-017.D



136.0, 68.0, 137.0

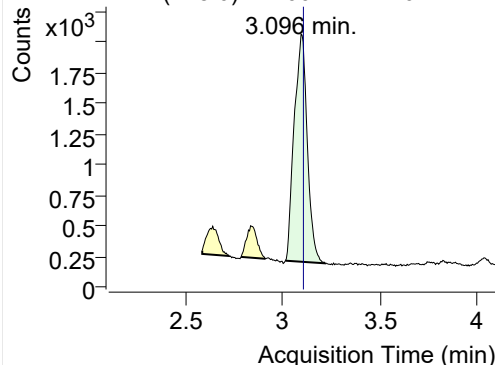


+ SIM (2.972-3.269 min, 55 scans) (**) 221007

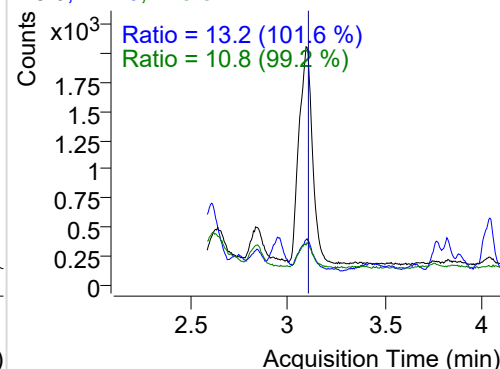


Naphthalene

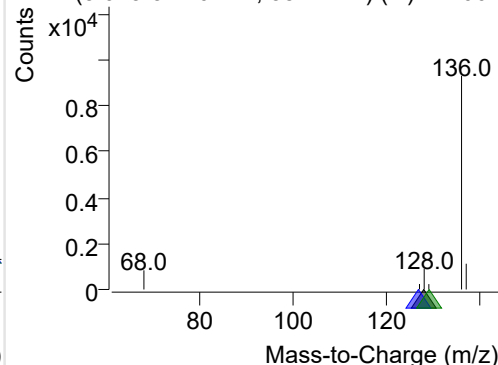
+ Selected Ion (128.0) 221007-PAHs-017.D



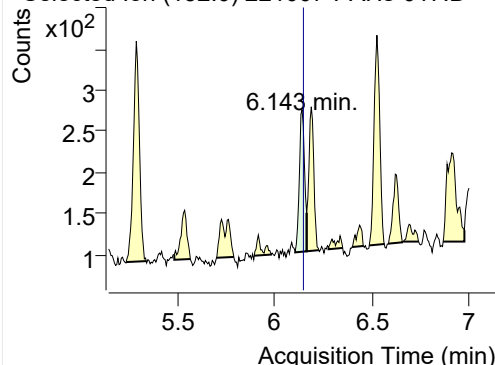
128.0, 127.0, 129.0



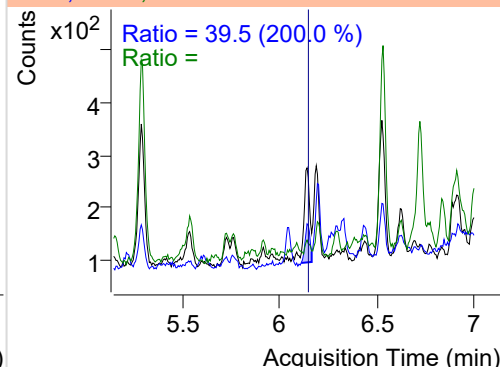
+ SIM (3.015-3.220 min, 38 scans) (**) 221007

**Acenaphthylene**

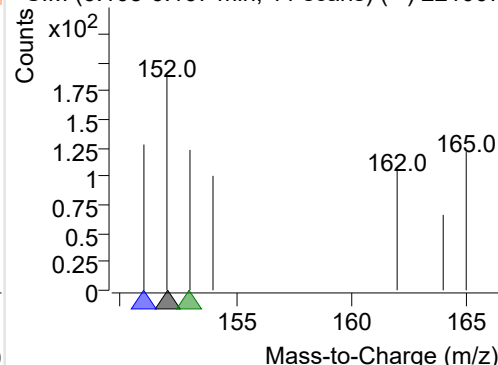
+ Selected Ion (152.0) 221007-PAHs-017.D



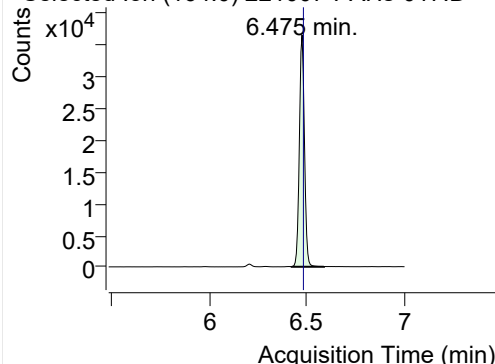
152.0, 151.0, 153.0



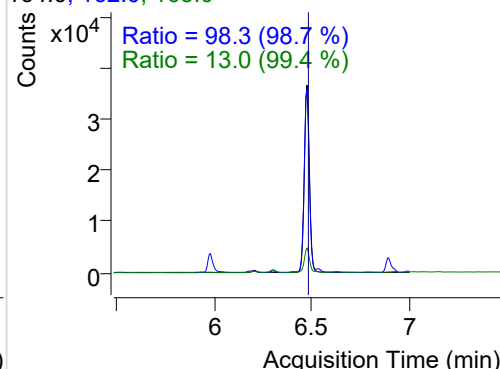
+ SIM (6.108-6.167 min, 11 scans) (**) 221007

**IS-D10-Acenaphthene**

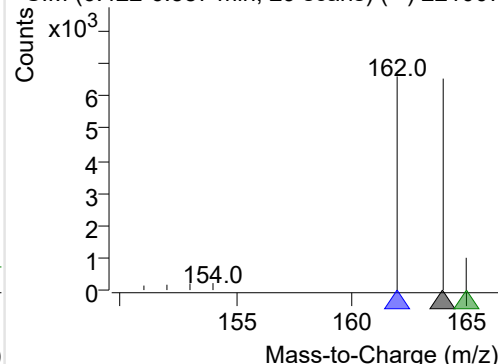
+ Selected Ion (164.0) 221007-PAHs-017.D



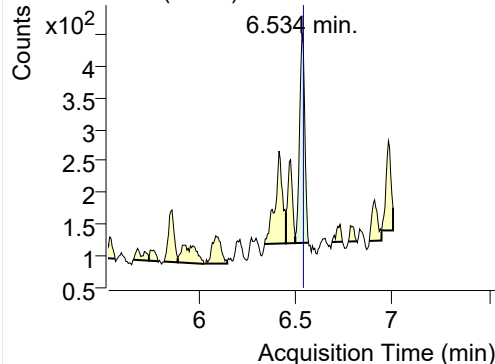
164.0, 162.0, 165.0



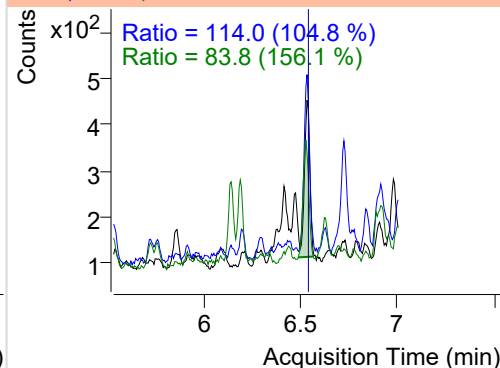
+ SIM (6.422-6.587 min, 29 scans) (**) 221007

**Acenaphthene**

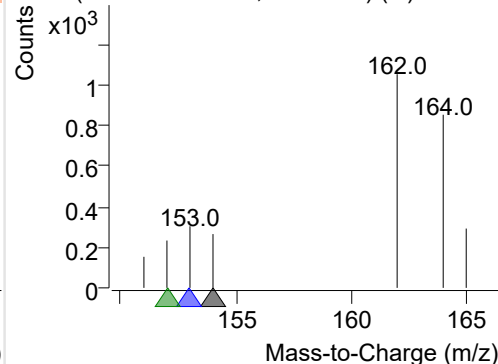
+ Selected Ion (154.0) 221007-PAHs-017.D



154.0, 153.0, 152.0

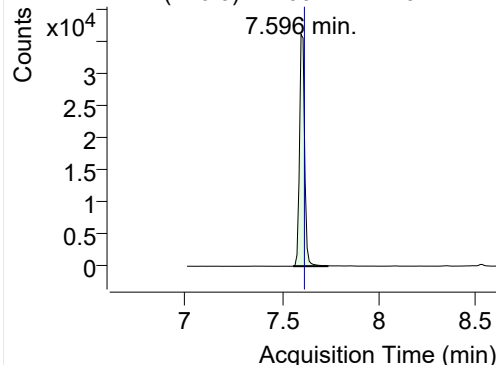


+ SIM (6.498-6.568 min, 12 scans) (**) 221007

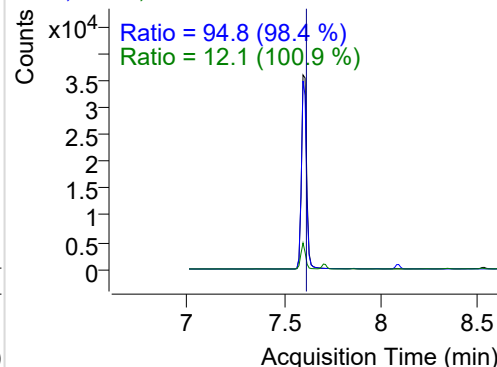


LSS-D10-Fluorene

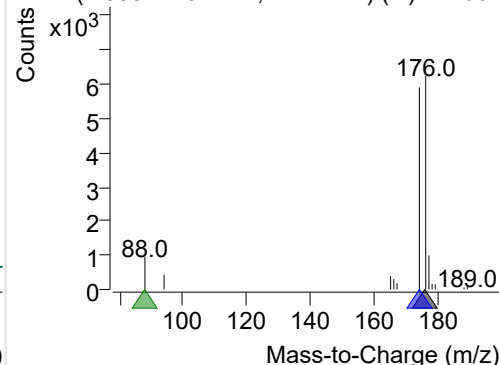
+ Selected Ion (176.0) 221007-PAHs-017.D



176.0, 174.0, 88.0

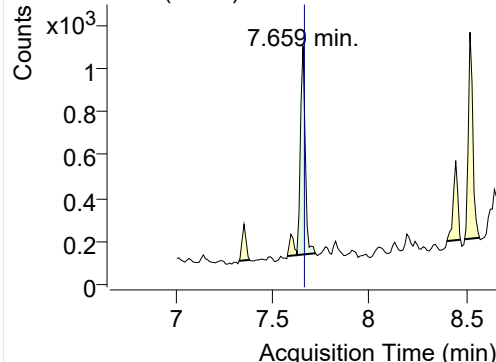


+ SIM (7.555-7.732 min, 17 scans) (**) 221007

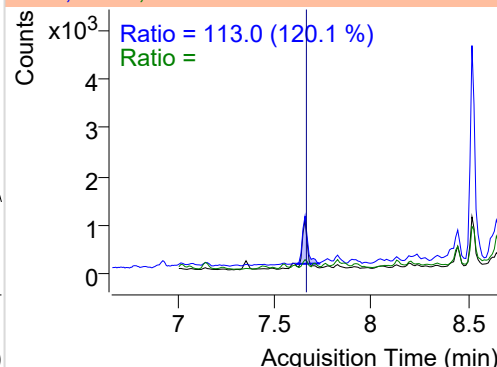


Fluorene

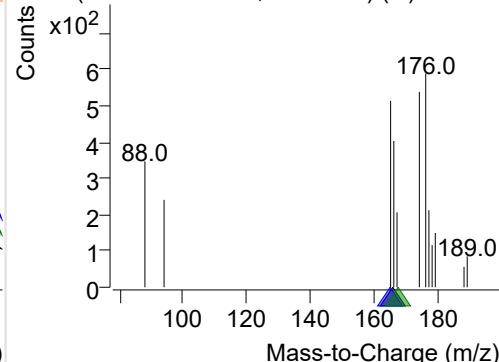
+ Selected Ion (166.0) 221007-PAHs-017.D



166.0, 165.0, 167.0

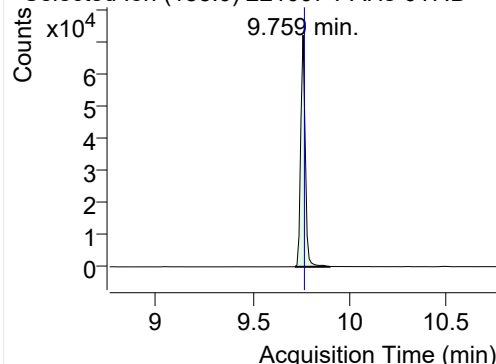


+ SIM (7.627-7.722 min, 10 scans) (**) 221007

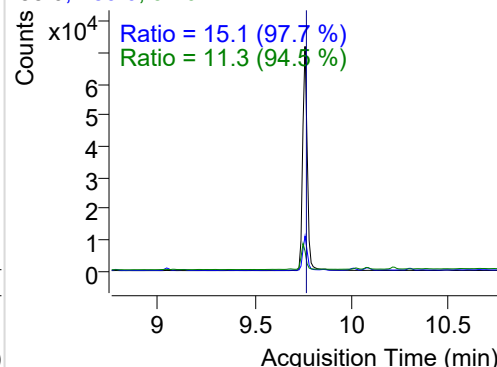


IS-D10-Phenanthrene

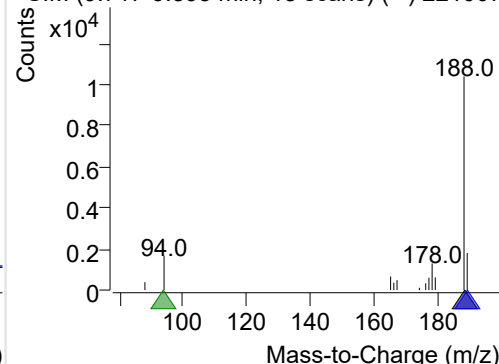
+ Selected Ion (188.0) 221007-PAHs-017.D



188.0, 189.0, 94.0

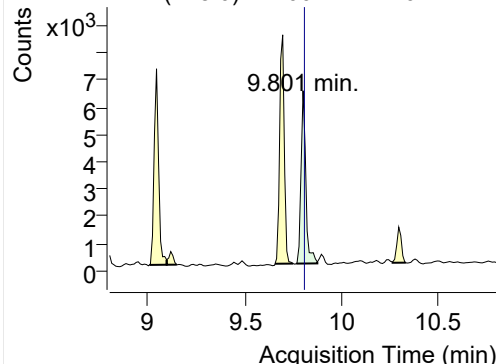


+ SIM (9.717-9.895 min, 18 scans) (**) 221007

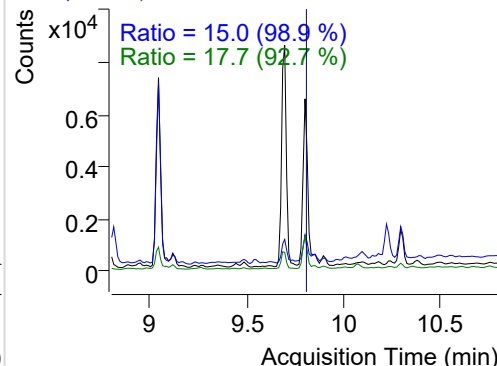


Phenanthrene

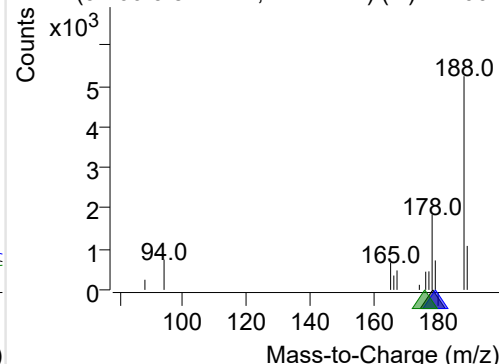
+ Selected Ion (178.0) 221007-PAHs-017.D



178.0, 179.0, 176.0

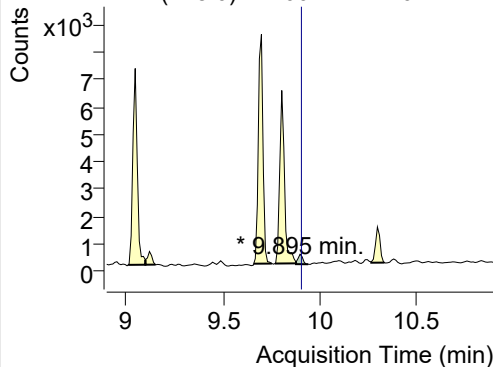


+ SIM (9.766-9.874 min, 11 scans) (**) 221007

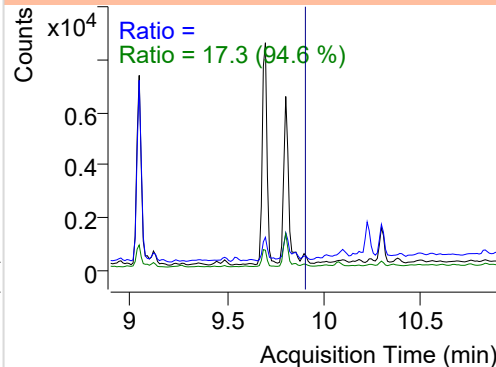


Anthracene

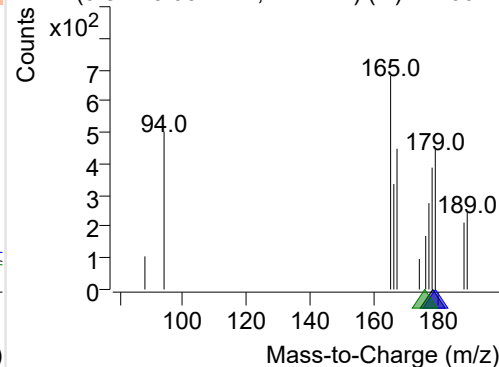
+ Selected Ion (178.0) 221007-PAHs-017.D



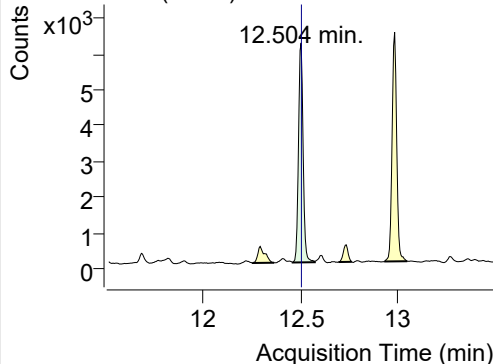
178.0, 179.0, 176.0



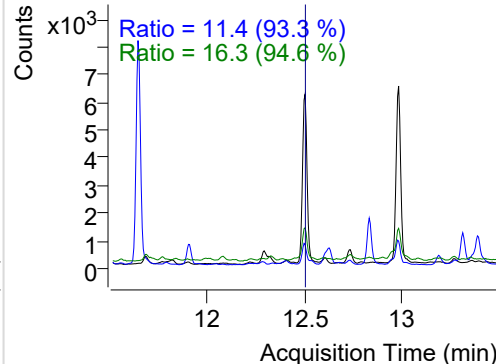
+ SIM (9.874-9.937 min, 7 scans) (**) 221007-I

**Fluoranthene**

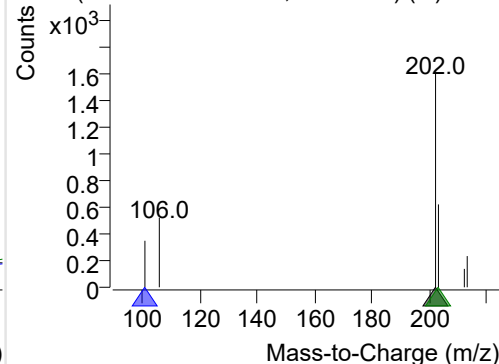
+ Selected Ion (202.0) 221007-PAHs-017.D



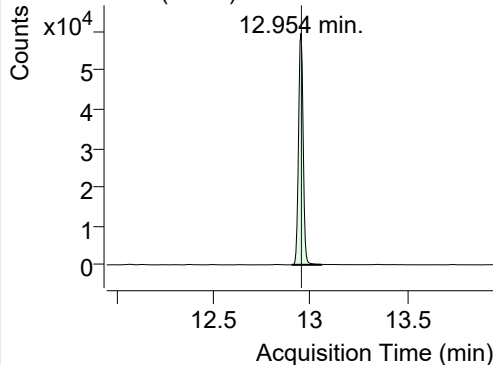
202.0, 101.0, 203.0



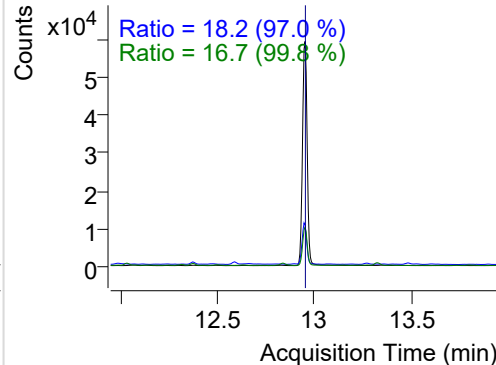
+ SIM (12.461-12.575 min, 22 scans) (**) 2210

**LSS-D10-Pyrene**

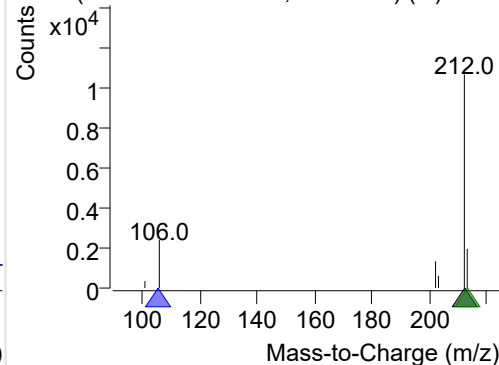
+ Selected Ion (212.0) 221007-PAHs-017.D



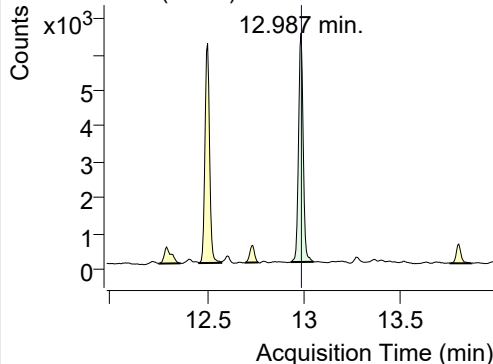
212.0, 106.0, 213.0



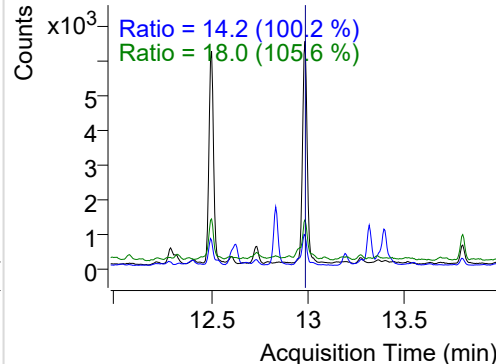
+ SIM (12.906-13.057 min, 29 scans) (**) 2210

**Pyrene**

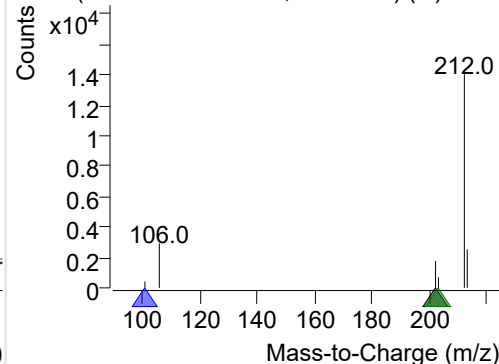
+ Selected Ion (202.0) 221007-PAHs-017.D



202.0, 101.0, 203.0

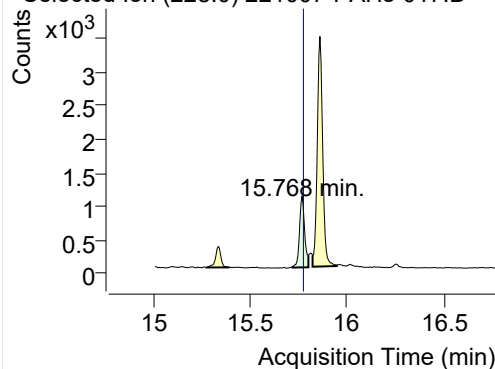


+ SIM (12.938-13.052 min, 21 scans) (**) 2210

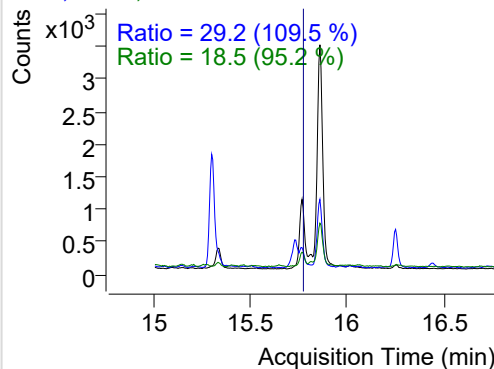


Benz(a)anthracene

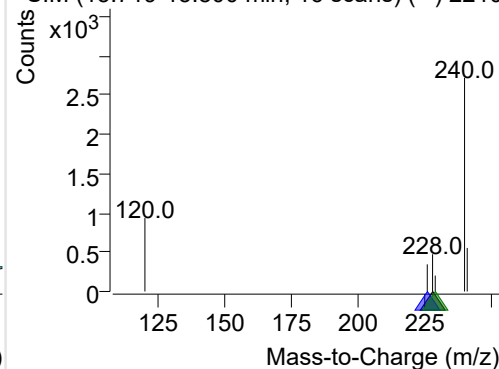
+ Selected Ion (228.0) 221007-PAHs-017.D



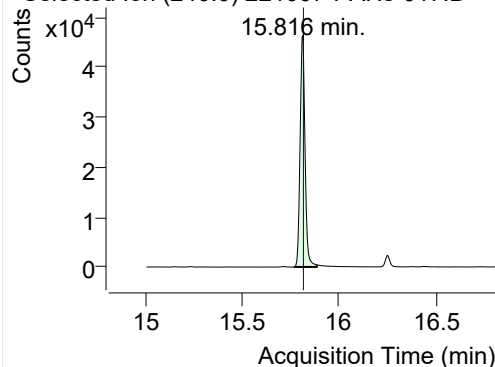
228.0, 226.0, 229.0



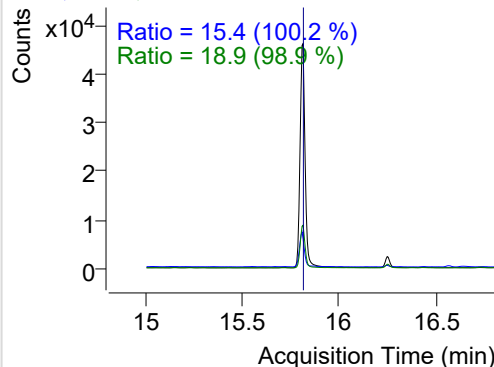
+ SIM (15.719-15.800 min, 16 scans) (**) 2210

**IS-D12-Chrysene**

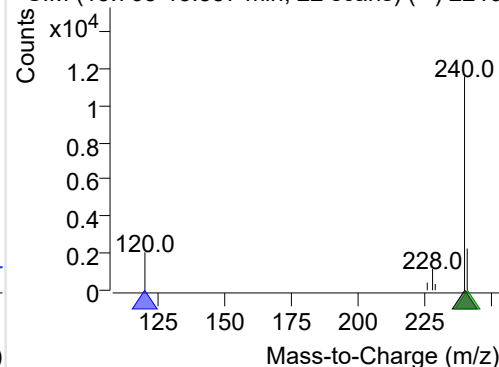
+ Selected Ion (240.0) 221007-PAHs-017.D



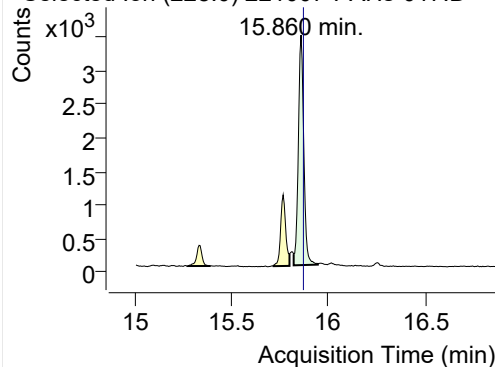
240.0, 120.0, 241.0



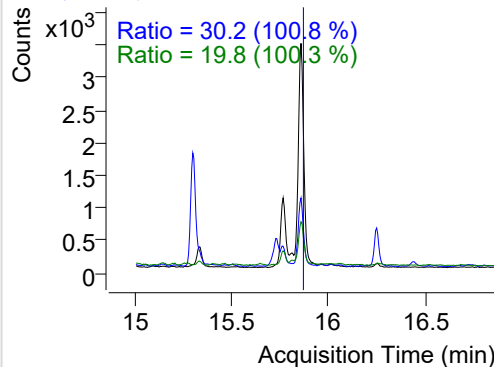
+ SIM (15.768-15.887 min, 22 scans) (**) 2210

**Chrysene**

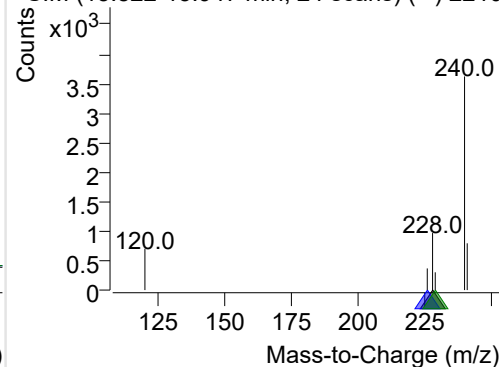
+ Selected Ion (228.0) 221007-PAHs-017.D



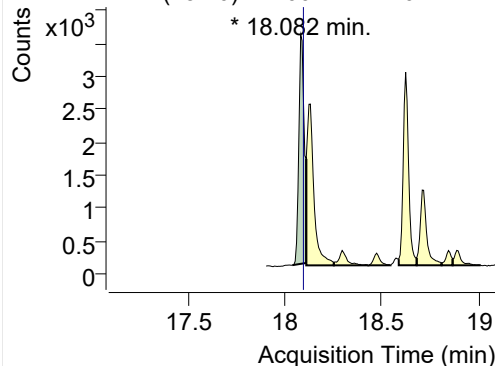
228.0, 226.0, 229.0



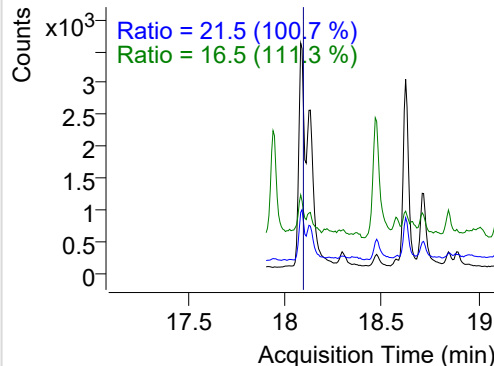
+ SIM (15.822-15.947 min, 24 scans) (**) 2210

**Benzo(b)fluoranthene**

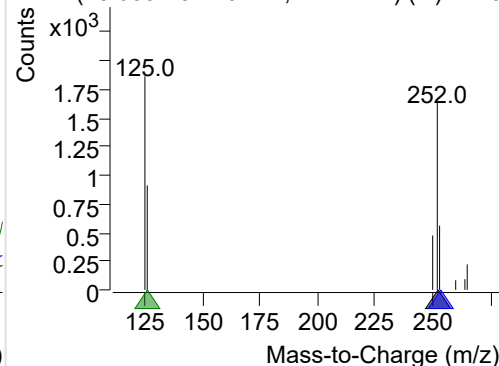
+ Selected Ion (252.0) 221007-PAHs-017.D



252.0, 253.0, 126.0

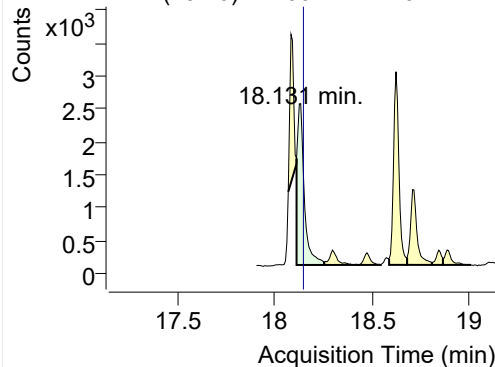


+ SIM (18.039-18.110 min, 11 scans) (**) 2210

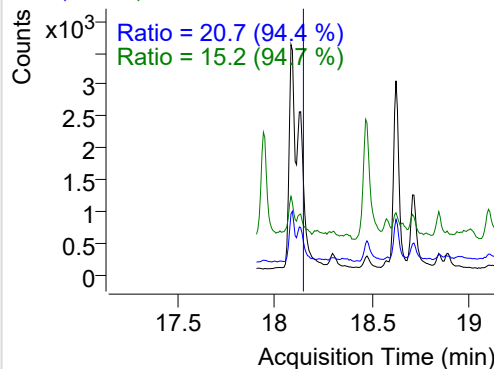


Benzo(k)fluoranthene

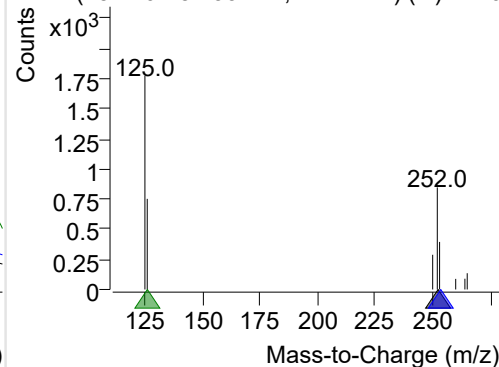
+ Selected Ion (252.0) 221007-PAHs-017.D



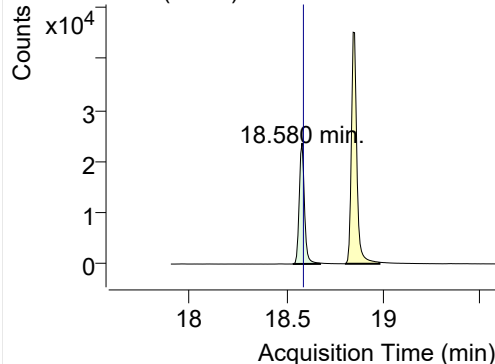
252.0, 253.0, 126.0



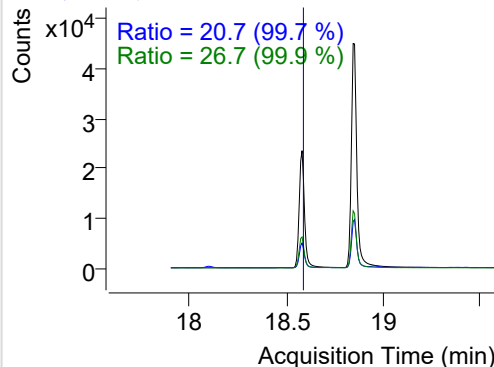
+ SIM (18.110-18.253 min, 21 scans) (**) 2210

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

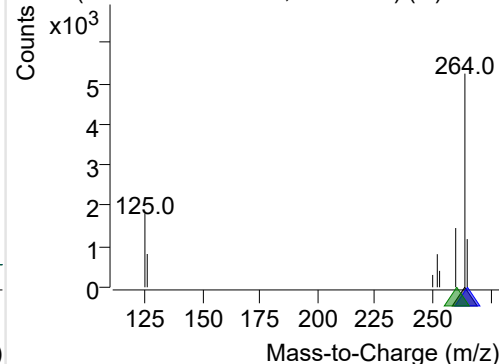
+ Selected Ion (264.0) 221007-PAHs-017.D



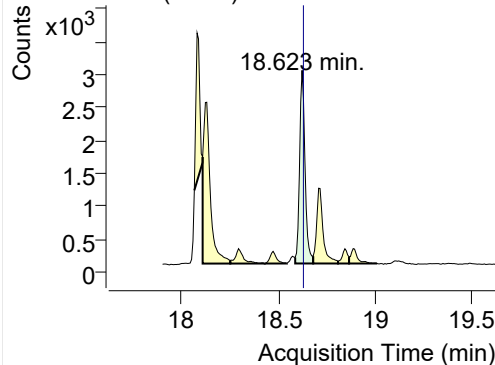
264.0, 265.0, 260.0



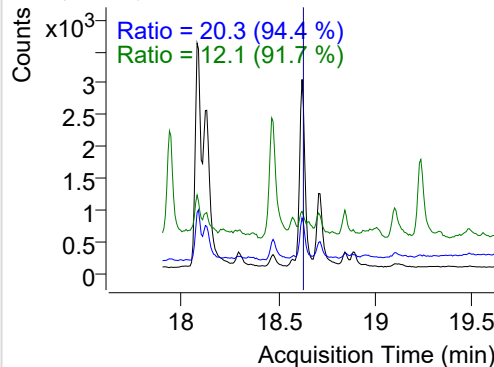
+ SIM (18.532-18.673 min, 20 scans) (**) 2210

**Benzo(e)pyrene**

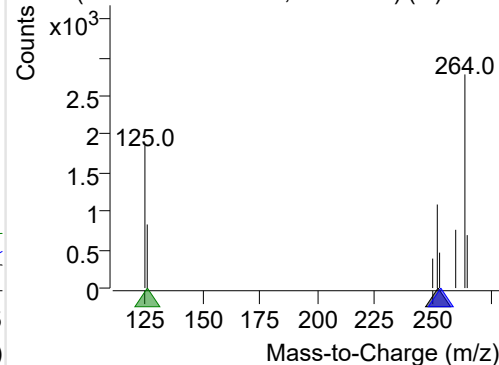
+ Selected Ion (252.0) 221007-PAHs-017.D



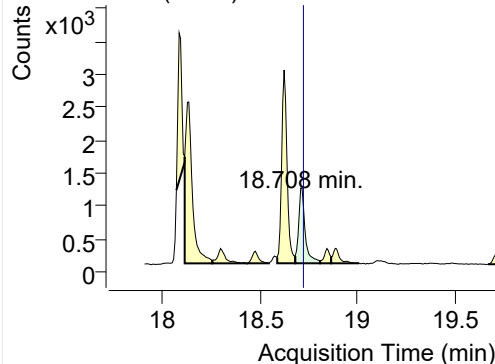
252.0, 253.0, 126.0



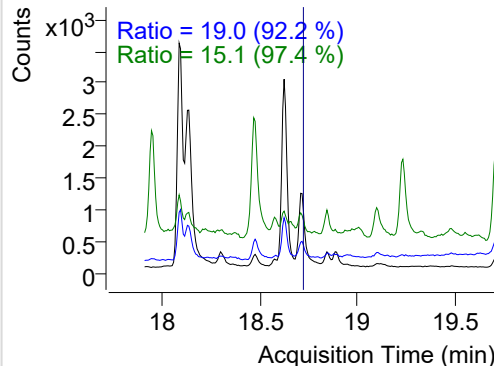
+ SIM (18.587-18.680 min, 14 scans) (**) 2210

**Benzo(a)pyrene**

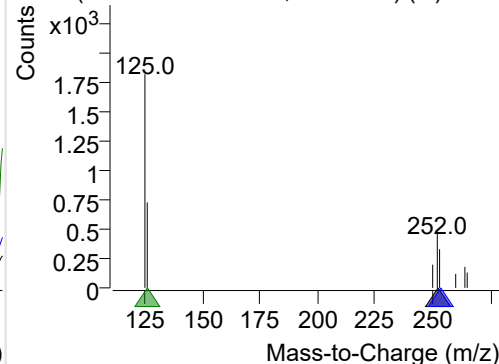
+ Selected Ion (252.0) 221007-PAHs-017.D



252.0, 253.0, 126.0

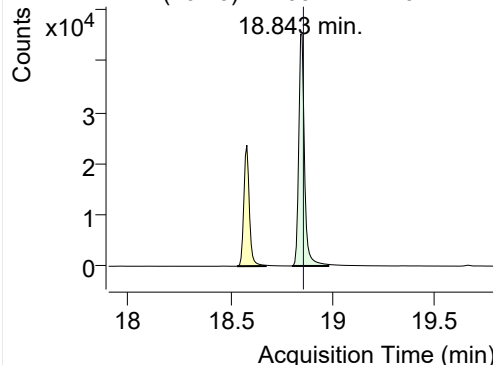


+ SIM (18.680-18.808 min, 19 scans) (**) 2210

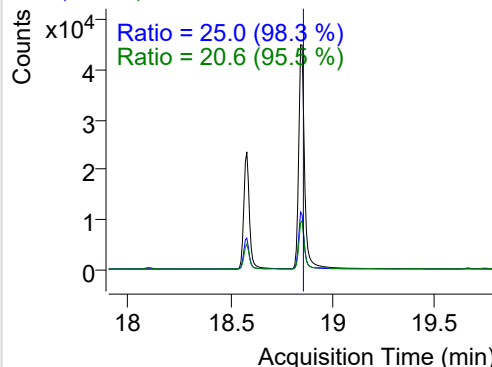


IS-D12-Perylene

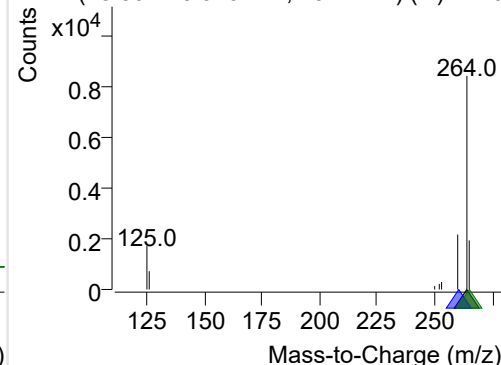
+ Selected Ion (264.0) 221007-PAHs-017.D



264.0, 260.0, 265.0

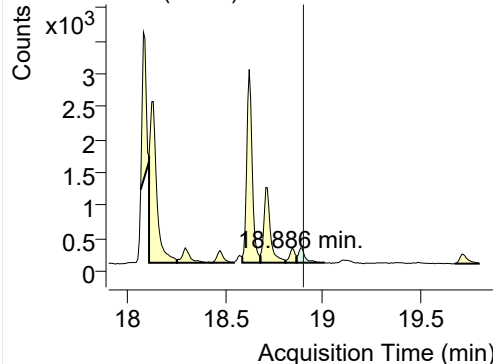
Ratio = 25.0 (98.3 %)
Ratio = 20.6 (95.5 %)

+ SIM (18.801-18.979 min, 25 scans) (**) 2210

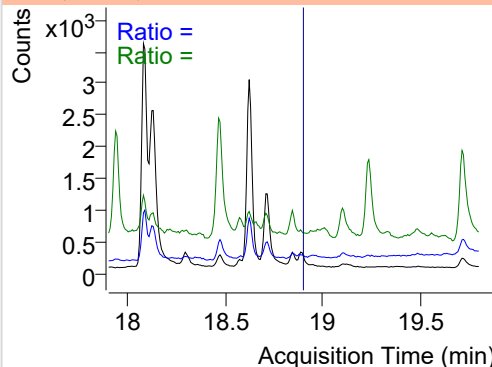


Perylene

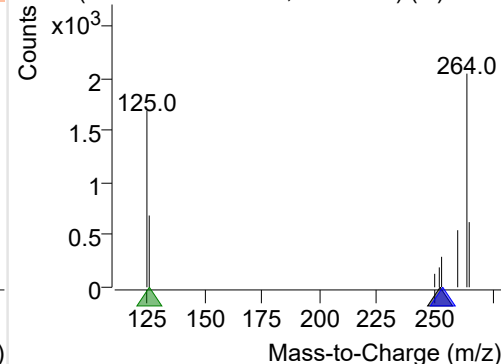
+ Selected Ion (252.0) 221007-PAHs-017.D



252.0, 253.0, 126.0

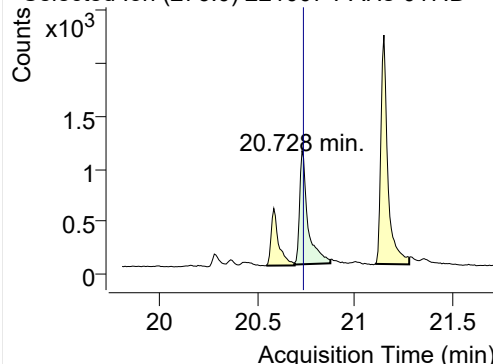
Ratio =
Ratio =

+ SIM (18.865-19.009 min, 21 scans) (**) 2210



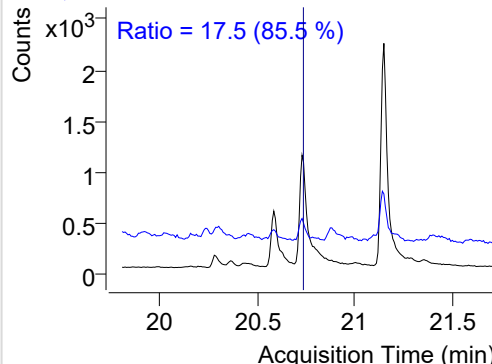
Indeno(1,2,3-c,d)pyrene

+ Selected Ion (276.0) 221007-PAHs-017.D

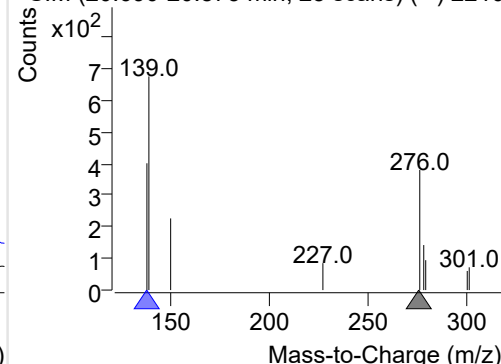


276.0, 138.0

Ratio = 17.5 (85.5 %)

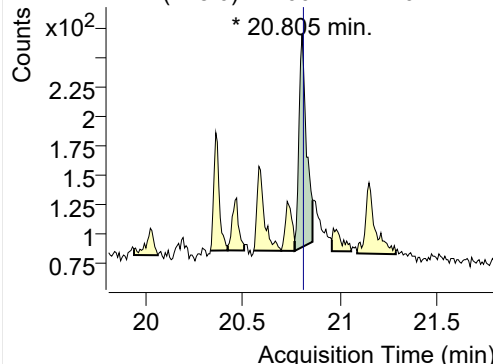


+ SIM (20.690-20.873 min, 25 scans) (**) 2210

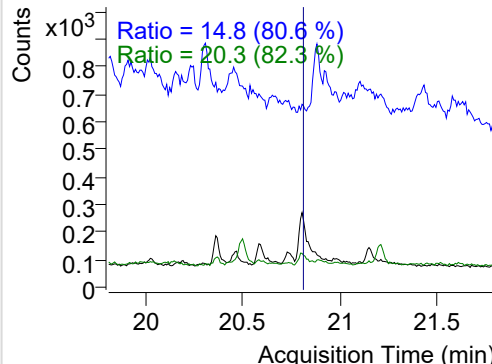


Dibenz(a,h)anthracene

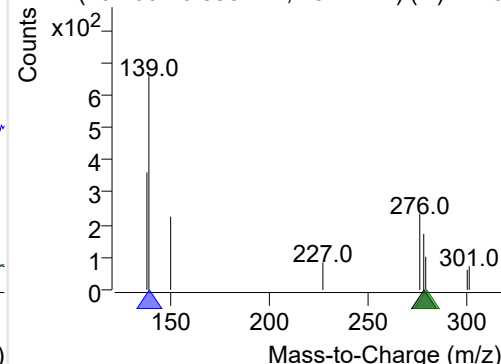
+ Selected Ion (278.0) 221007-PAHs-017.D



278.0, 139.0, 279.0

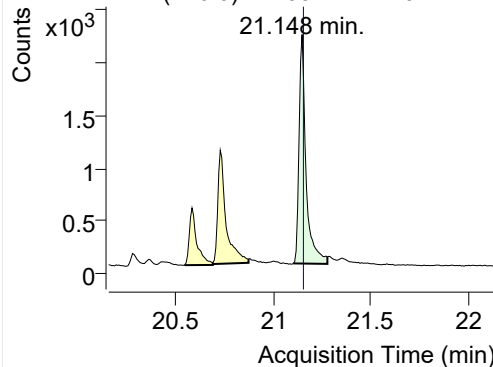
Ratio = 14.8 (80.6 %)
Ratio = 20.3 (82.3 %)

+ SIM (20.766-20.858 min, 13 scans) (**) 2210

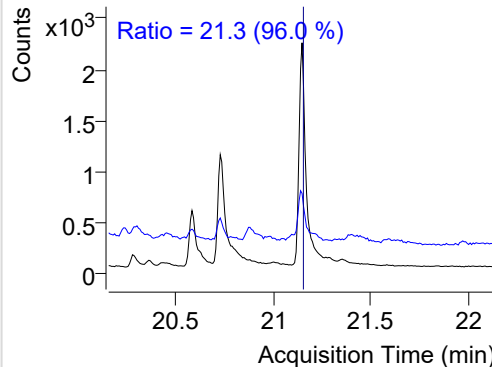


Benzo(g,h,i)perylene

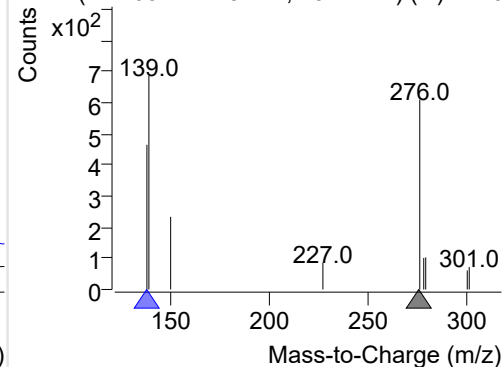
+ Selected Ion (276.0) 221007-PAHs-017.D



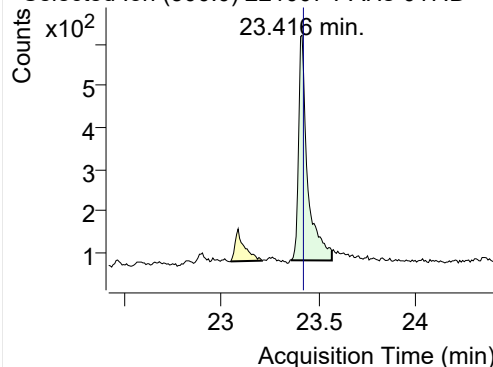
276.0, 138.0



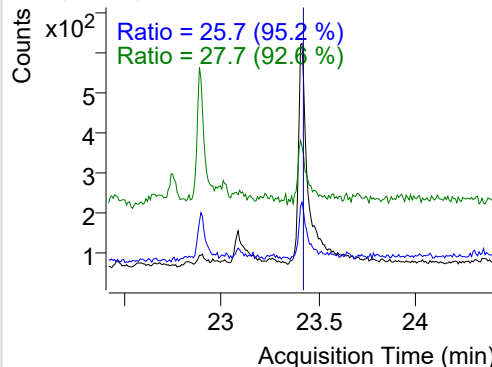
+ SIM (21.103-21.278 min, 23 scans) (**) 2210

**Coronene**

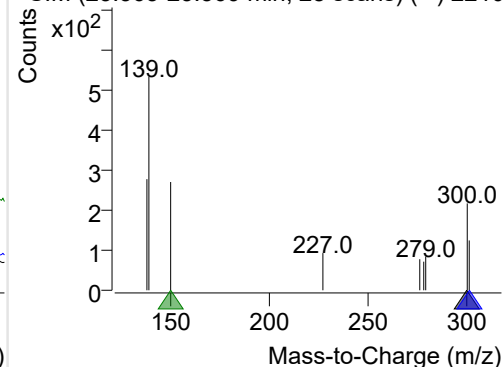
+ Selected Ion (300.0) 221007-PAHs-017.D



300.0, 301.0, 150.0



+ SIM (23.363-23.569 min, 28 scans) (**) 2210



Quantitative Analysis Sample Based Report

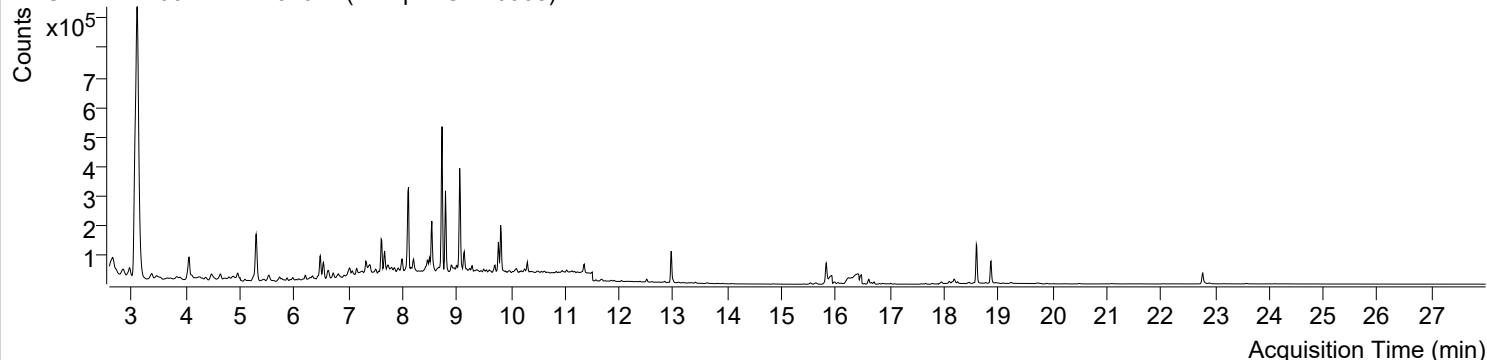


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 8:46:41	Data File	221007-PAHs-019.D
Type	Sample	Name	Sample-Gas-0908
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

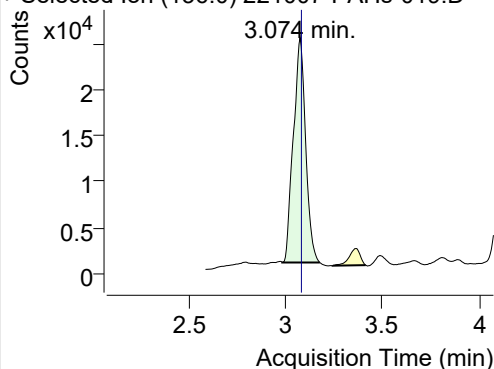
+ TIC SIM 221007-PAHs-019.D (Sample-Gas-0908)



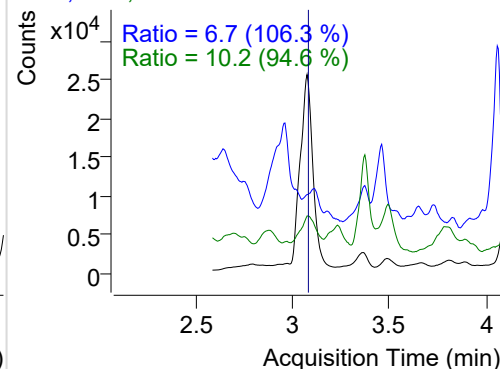
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	107946	24589.00	ND ng/ml	10.2
Naphthalene	3.101	128.0	3306547	725378.20	ND ng/ml	13.8
Acenaphthylene	6.155	152.0	3414	1382.66	ND ng/ml	137.4
IS-D10-Acenaphthene	6.481	164.0	80094	36816.67	ND ng/ml	94.6
Acenaphthene	6.540	154.0	31380	15084.89	ND ng/ml	115.9
LSS-D10-Fluorene	7.617	176.0	84914	44419.75	ND ng/ml	97.0
Fluorene	7.669	166.0	66131	33227.24	ND ng/ml	110.6
IS-D10-Phenanthrene	9.769	188.0	129607	79644.34	ND ng/ml	15.6
Phenanthrene	9.811	178.0	170036	101096.68	ND ng/ml	19.0
Anthracene	9.906	178.0	2462	1783.22	ND ng/ml	
Fluoranthene	12.510	202.0	9491	5774.87	ND ng/ml	17.3
LSS-D10-Pyrene	12.960	212.0	126785	78347.11	ND ng/ml	18.1
Pyrene	12.992	202.0	11584	6946.06	ND ng/ml	15.7
Benz(a)anthracene	15.822	228.0	902	294.04	ND ng/ml	
IS-D12-Chrysene	15.822	240.0	103066	47778.68	ND ng/ml	19.0
Chrysene	15.822	228.0	902	294.04	ND ng/ml	
Benzo(b)fluoranthene	18.103	252.0	129	64.66	ND ng/ml	63.8
Benzo(k)fluoranthene	18.160	252.0	286	98.82	ND ng/ml	75.4
SS-D12-Benzo(e)pyrene	18.594	264.0	164397	88374.22	ND ng/ml	26.1
Benzo(e)pyrene	18.594	252.0	978	434.55	ND ng/ml	22.7
Benzo(a)pyrene	18.772	252.0	350	122.33	ND ng/ml	
IS-D12-Perylene	18.865	264.0	98600	51155.58	ND ng/ml	24.6
Perylene	18.858	252.0	694	247.98	ND ng/ml	13.9
Indeno(1,2,3-c,d)pyrene	20.736	276.0	60	34.63	ND ng/ml	
Dibenz(a,h)anthracene	20.812	278.0	197	56.11	ND ng/ml	12.5
Benzo(g,h,i)perylene	21.148	276.0	224	58.07	ND ng/ml	323.3
Coronene	23.416	300.0	96	32.94	ND ng/ml	

IS-D8-Naphthalene

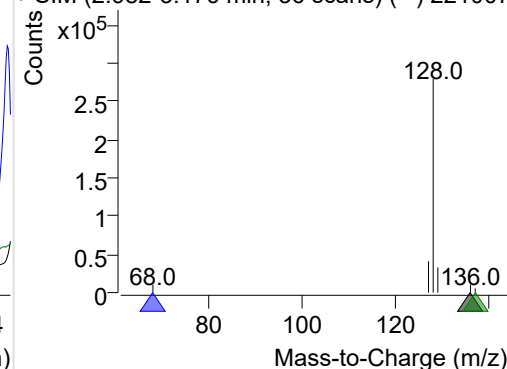
+ Selected Ion (136.0) 221007-PAHs-019.D



136.0, 68.0, 137.0

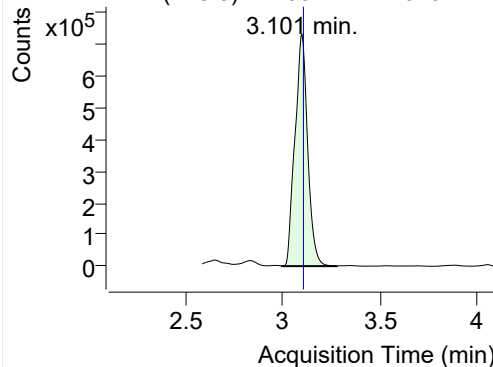


+ SIM (2.982-3.176 min, 36 scans) (**) 221007

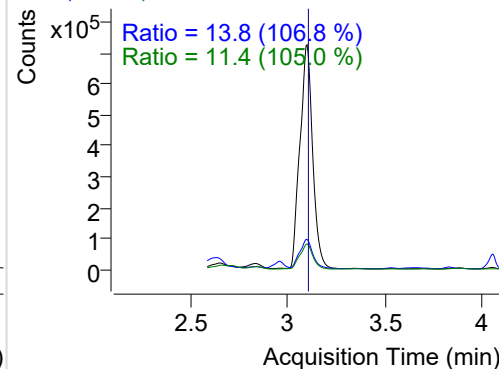


Naphthalene

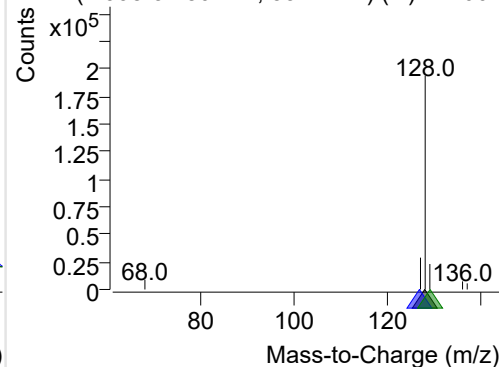
+ Selected Ion (128.0) 221007-PAHs-019.D



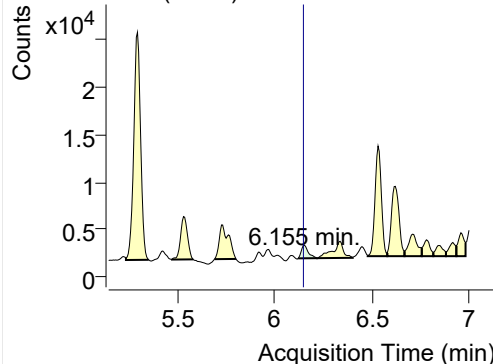
128.0, 127.0, 129.0



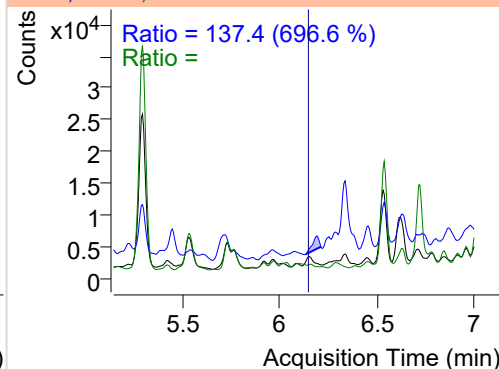
+ SIM (2.998-3.280 min, 53 scans) (**) 221007

**Acenaphthylene**

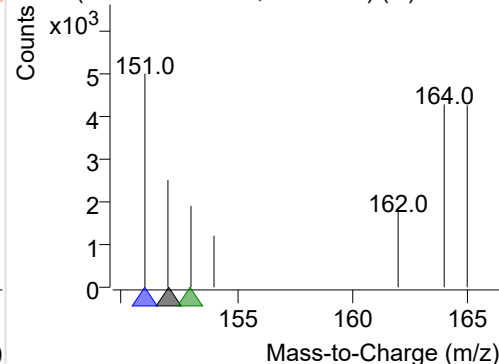
+ Selected Ion (152.0) 221007-PAHs-019.D



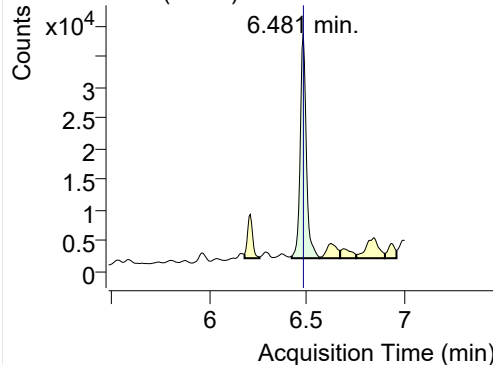
152.0, 151.0, 153.0



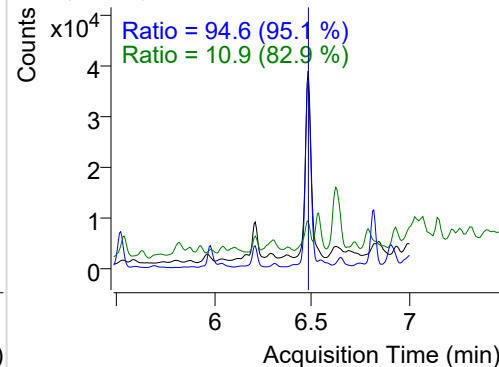
+ SIM (6.123-6.220 min, 17 scans) (**) 221007

**IS-D10-Acenaphthene**

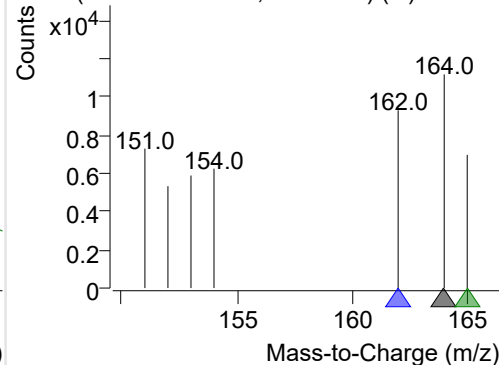
+ Selected Ion (164.0) 221007-PAHs-019.D



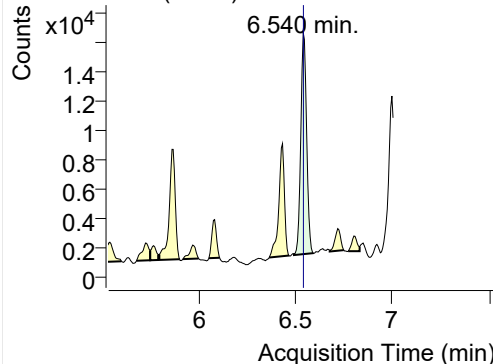
164.0, 162.0, 165.0



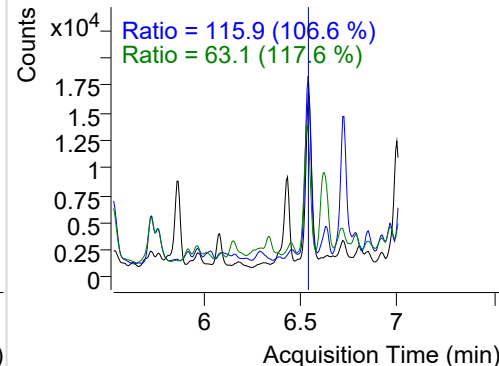
+ SIM (6.422-6.564 min, 25 scans) (**) 221007

**Acenaphthene**

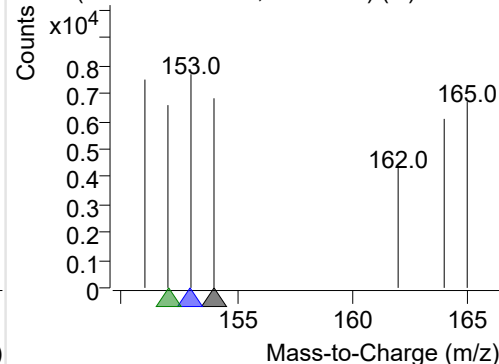
+ Selected Ion (154.0) 221007-PAHs-019.D



154.0, 153.0, 152.0

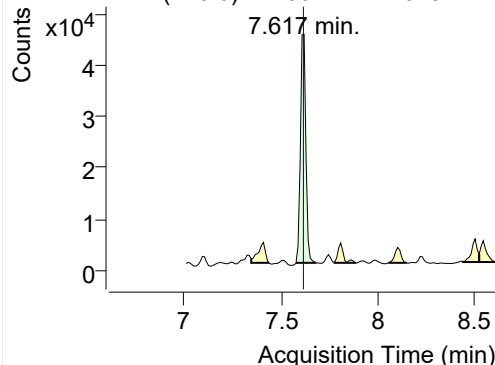


+ SIM (6.493-6.592 min, 17 scans) (**) 221007

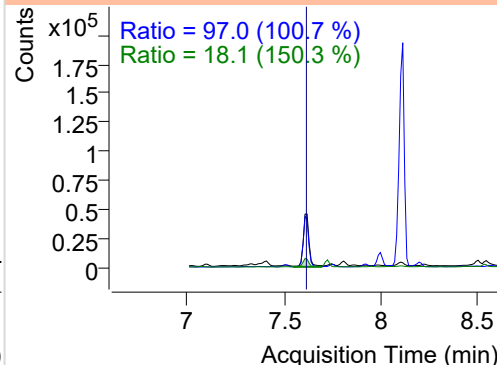


LSS-D10-Fluorene

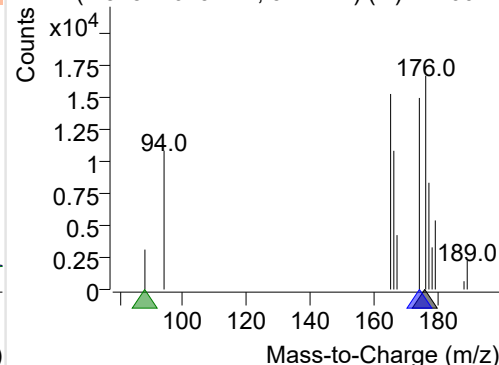
+ Selected Ion (176.0) 221007-PAHs-019.D



176.0, 174.0, 88.0

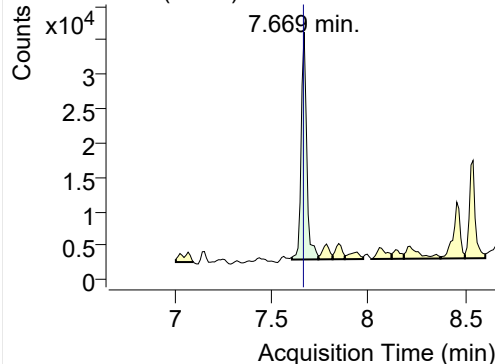


+ SIM (7.575-7.679 min, 9 scans) (**) 221007-I

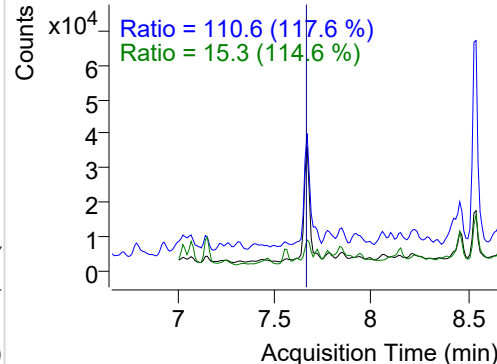


Fluorene

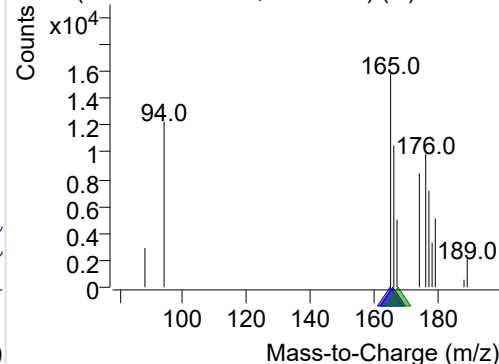
+ Selected Ion (166.0) 221007-PAHs-019.D



166.0, 165.0, 167.0

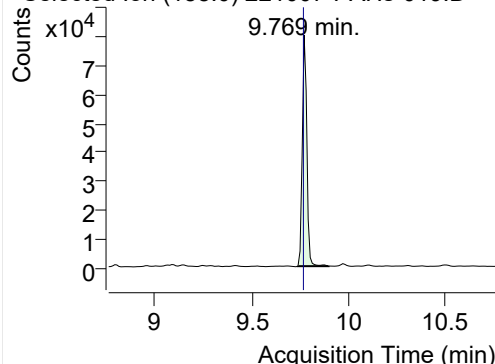


+ SIM (7.606-7.743 min, 14 scans) (**) 221007

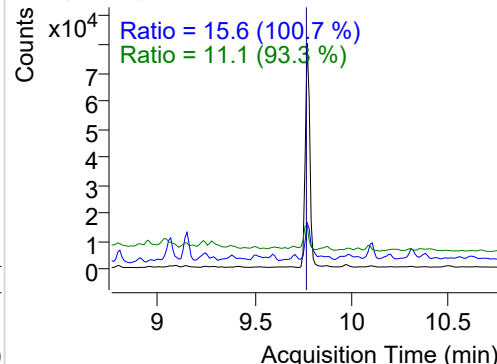


IS-D10-Phenanthrene

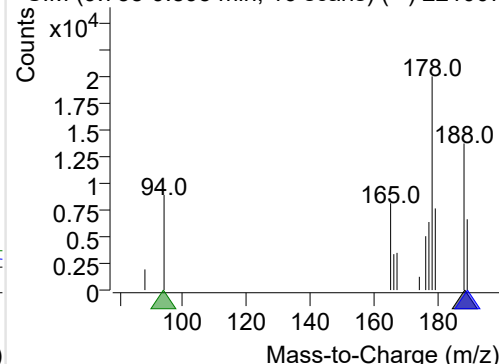
+ Selected Ion (188.0) 221007-PAHs-019.D



188.0, 189.0, 94.0

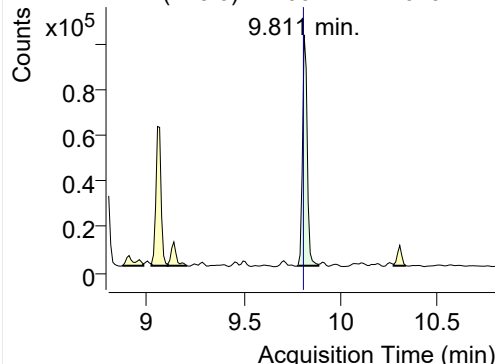


+ SIM (9.738-9.895 min, 16 scans) (**) 221007

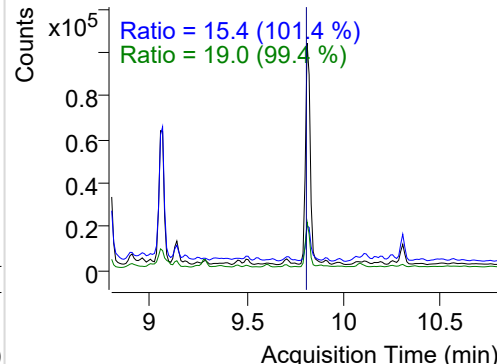


Phenanthrene

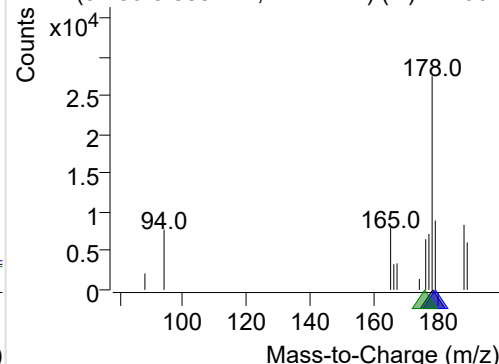
+ Selected Ion (178.0) 221007-PAHs-019.D



178.0, 179.0, 176.0

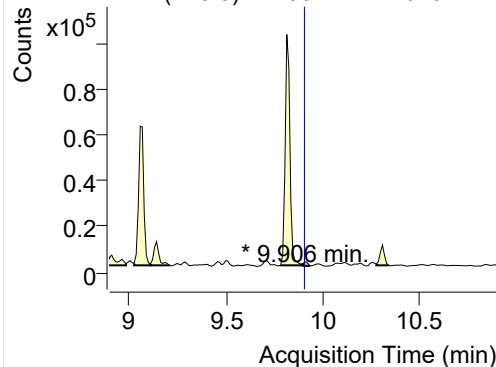


+ SIM (9.780-9.885 min, 11 scans) (**) 221007

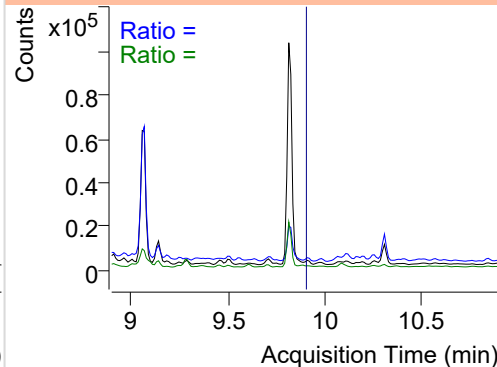


Anthracene

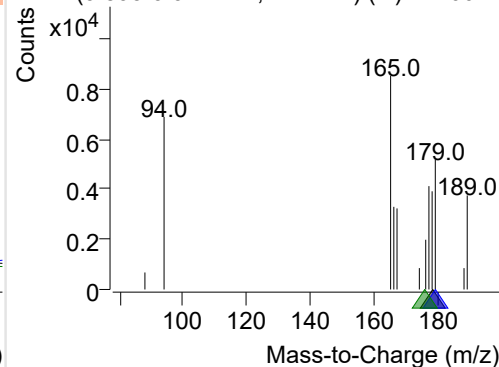
+ Selected Ion (178.0) 221007-PAHs-019.D



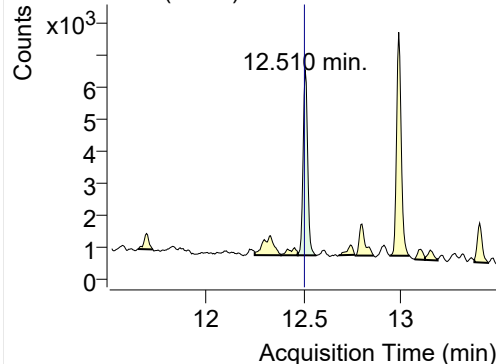
178.0, 179.0, 176.0



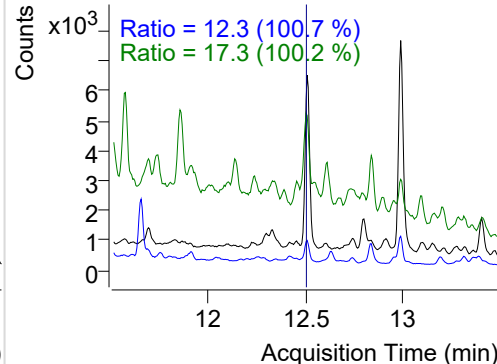
+ SIM (9.895-9.927 min, 4 scans) (**) 221007-I

**Fluoranthene**

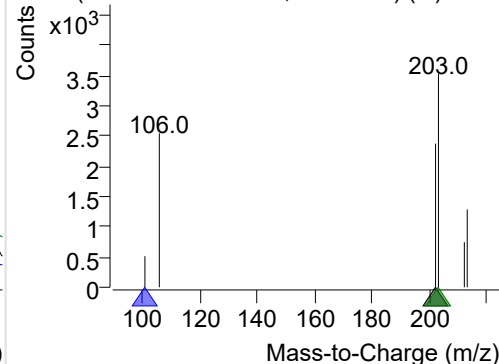
+ Selected Ion (202.0) 221007-PAHs-019.D



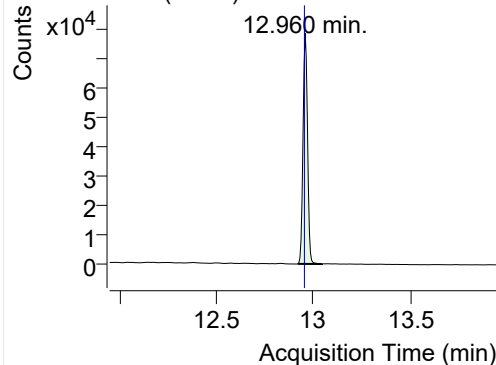
202.0, 101.0, 203.0



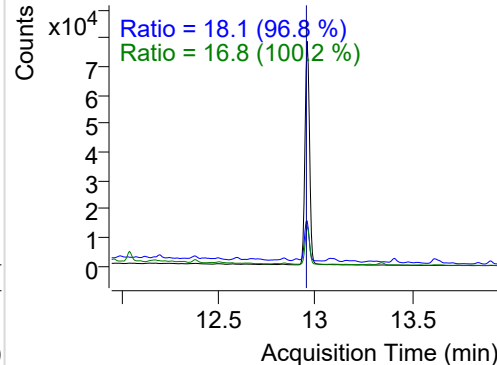
+ SIM (12.472-12.567 min, 18 scans) (**) 2210

**LSS-D10-Pyrene**

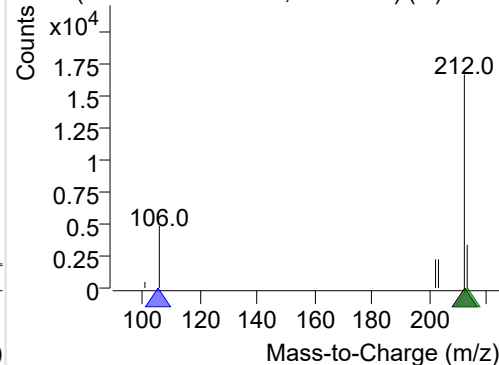
+ Selected Ion (212.0) 221007-PAHs-019.D



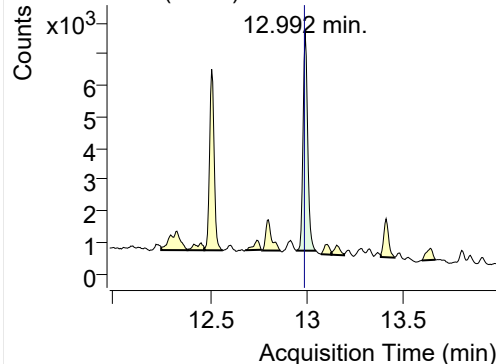
212.0, 106.0, 213.0



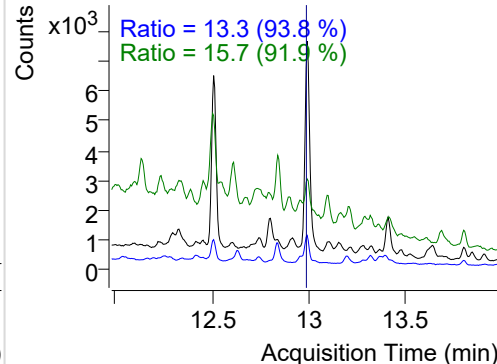
+ SIM (12.922-13.047 min, 24 scans) (**) 2210

**Pyrene**

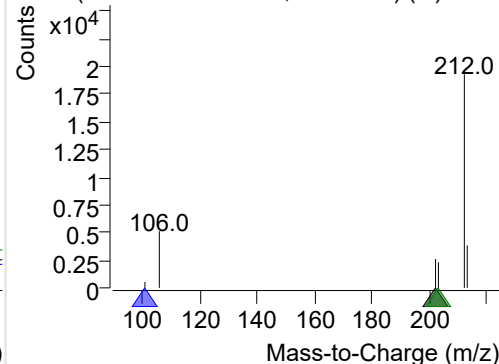
+ Selected Ion (202.0) 221007-PAHs-019.D



202.0, 101.0, 203.0



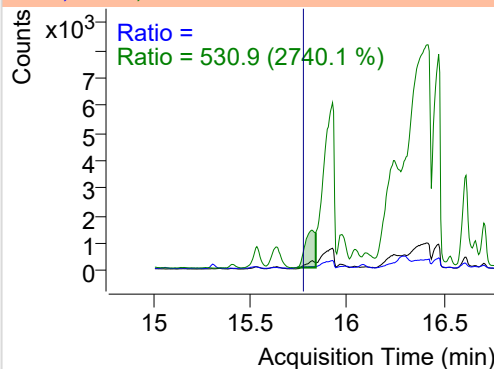
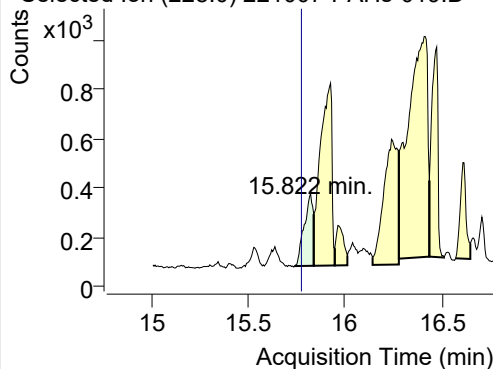
+ SIM (12.949-13.048 min, 19 scans) (**) 2210



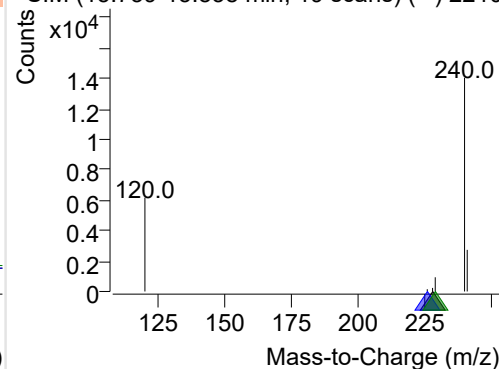
Benz(a)anthracene

+ Selected Ion (228.0) 221007-PAHs-019.D

228.0, 226.0, 229.0

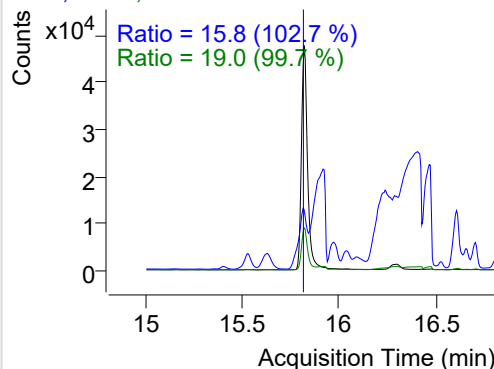
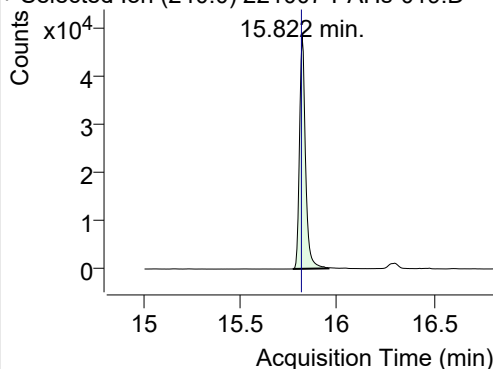


+ SIM (15.739-15.838 min, 19 scans) (**) 2210

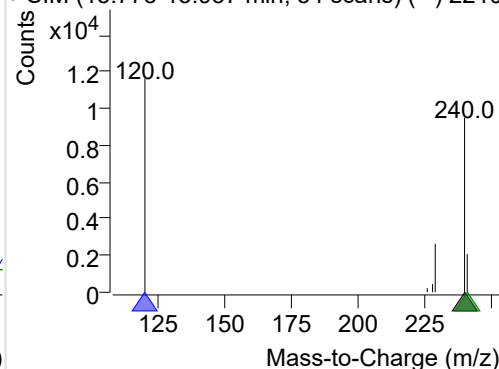
**IS-D12-Chrysene**

+ Selected Ion (240.0) 221007-PAHs-019.D

240.0, 120.0, 241.0

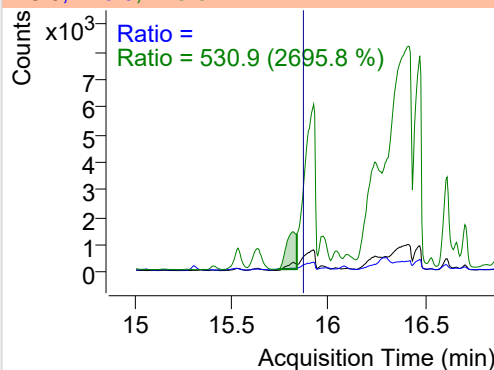
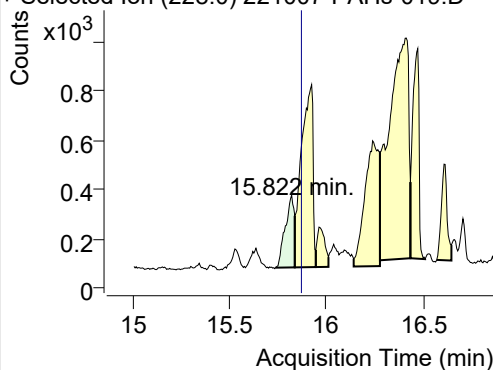


+ SIM (15.773-15.957 min, 34 scans) (**) 2210

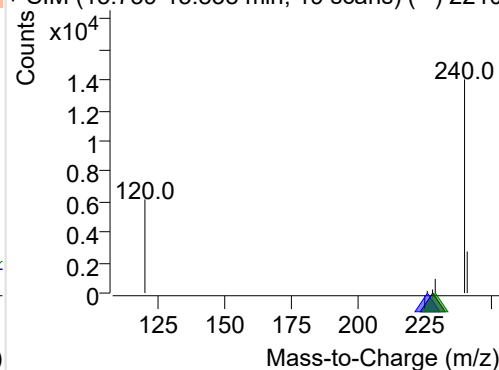
**Chrysene**

+ Selected Ion (228.0) 221007-PAHs-019.D

228.0, 226.0, 229.0

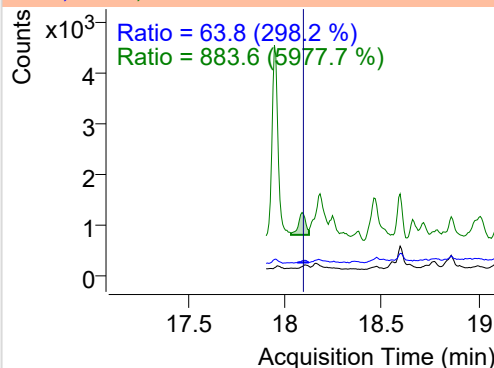
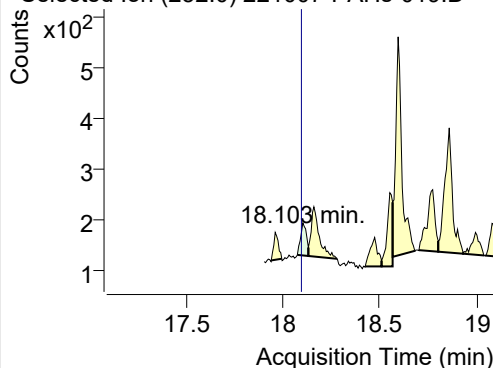


+ SIM (15.739-15.838 min, 19 scans) (**) 2210

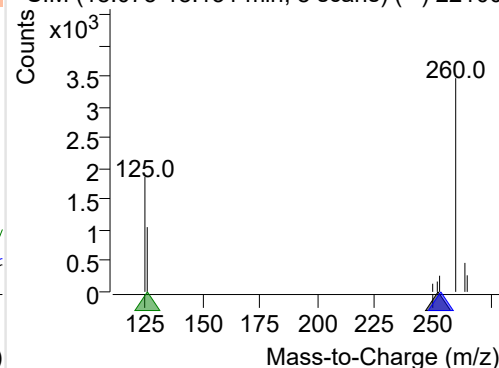
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 221007-PAHs-019.D

252.0, 253.0, 126.0



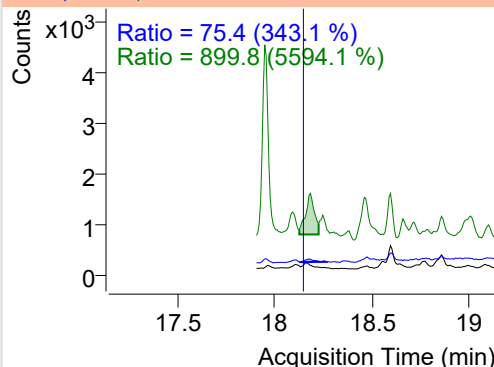
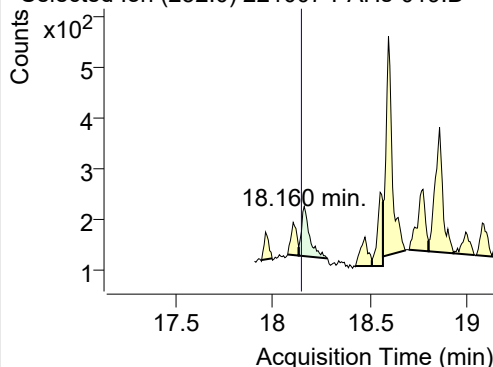
+ SIM (18.075-18.131 min, 8 scans) (**) 22100



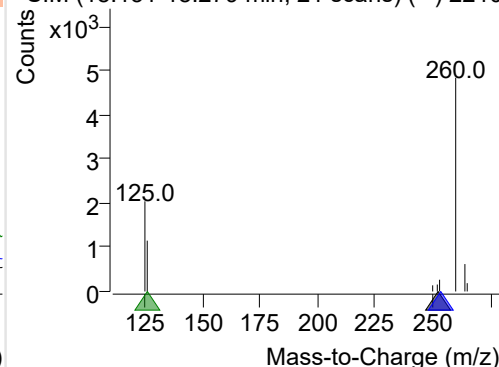
Benzo(k)fluoranthene

+ Selected Ion (252.0) 221007-PAHs-019.D

252.0, 253.0, 126.0

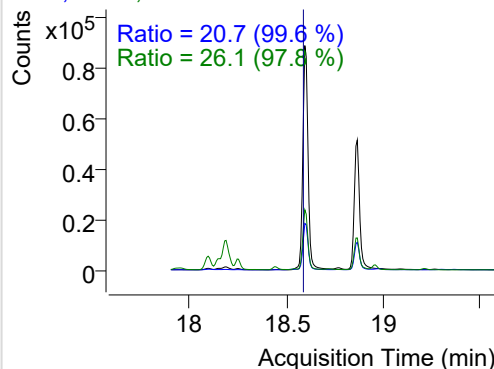
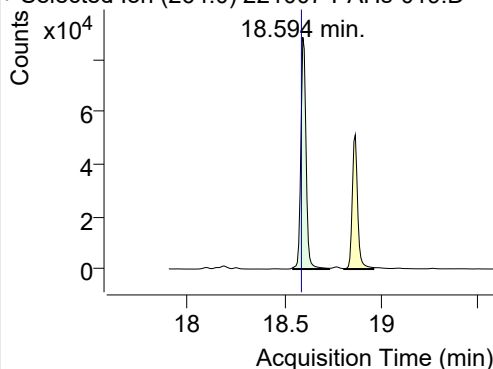


+ SIM (18.131-18.279 min, 21 scans) (**) 2210

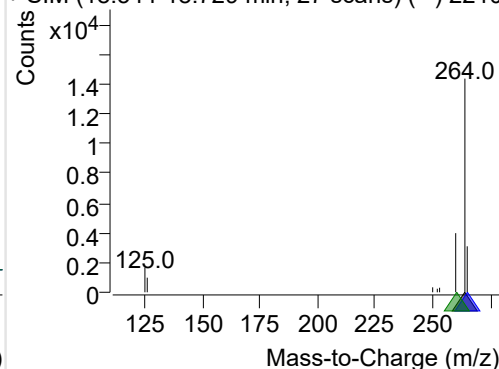
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 221007-PAHs-019.D

264.0, 265.0, 260.0

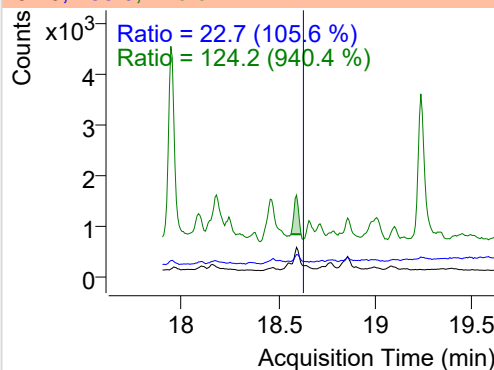
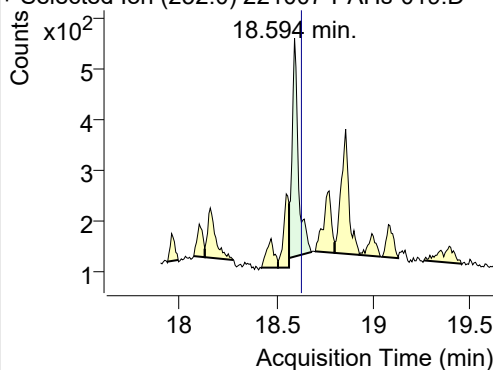


+ SIM (18.544-18.729 min, 27 scans) (**) 2210

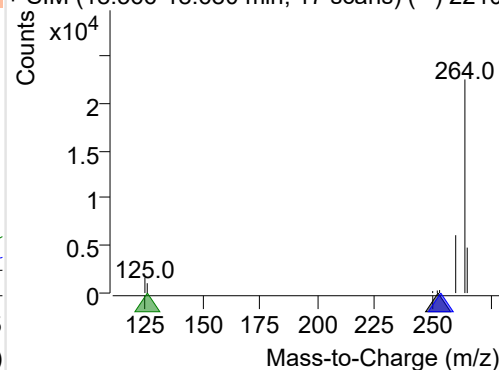
**Benzo(e)pyrene**

+ Selected Ion (252.0) 221007-PAHs-019.D

252.0, 253.0, 126.0

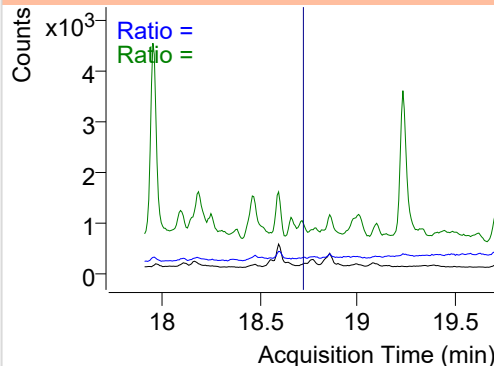
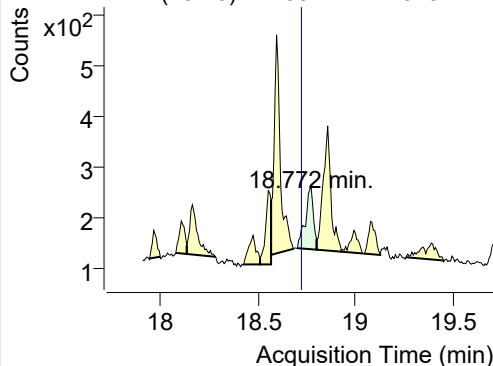


+ SIM (18.566-18.680 min, 17 scans) (**) 2210

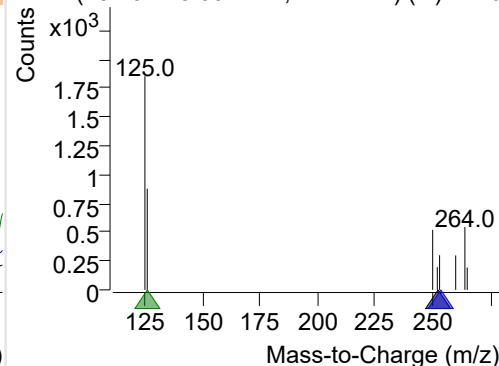
**Benzo(a)pyrene**

+ Selected Ion (252.0) 221007-PAHs-019.D

252.0, 253.0, 126.0

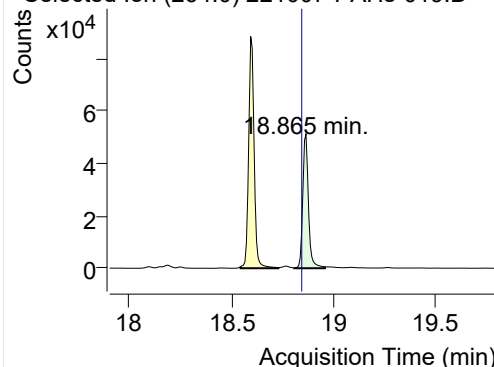


+ SIM (18.701-18.801 min, 14 scans) (**) 2210

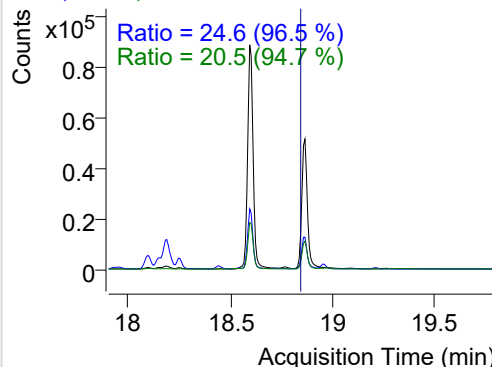


IS-D12-Perylene

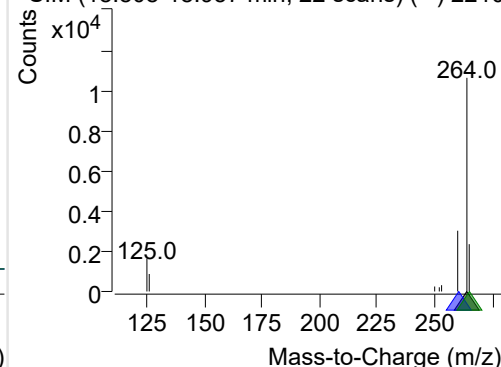
+ Selected Ion (264.0) 221007-PAHs-019.D



264.0, 260.0, 265.0

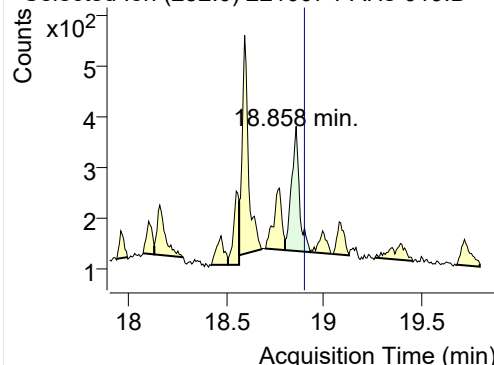


+ SIM (18.808-18.957 min, 22 scans) (**) 2210

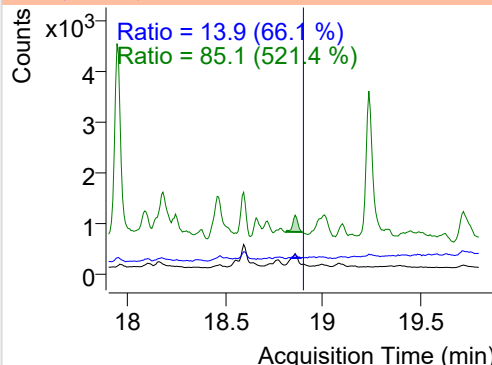


Perylene

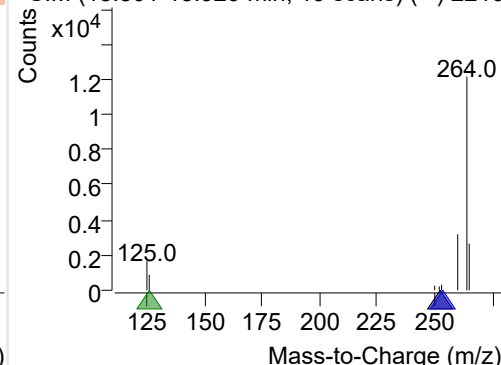
+ Selected Ion (252.0) 221007-PAHs-019.D



252.0, 253.0, 126.0

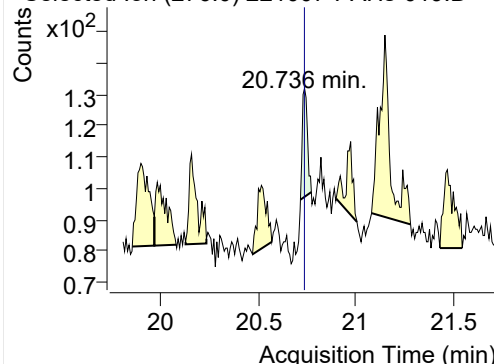


+ SIM (18.801-18.929 min, 19 scans) (**) 2210

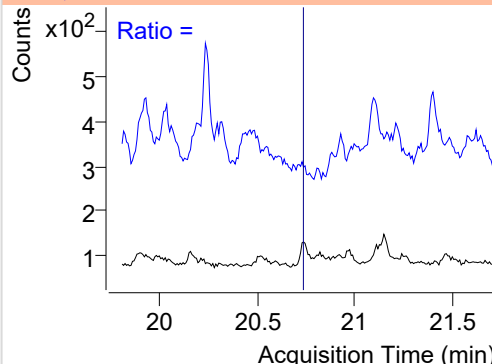


Indeno(1,2,3-c,d)pyrene

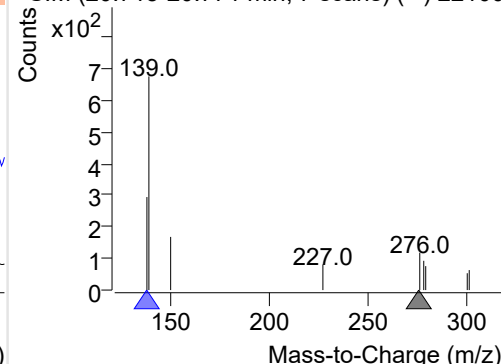
+ Selected Ion (276.0) 221007-PAHs-019.D



276.0, 138.0

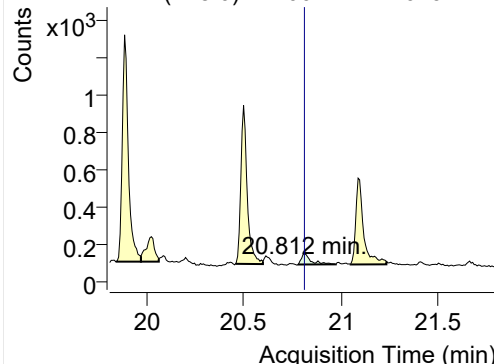


+ SIM (20.715-20.771 min, 7 scans) (**) 22100

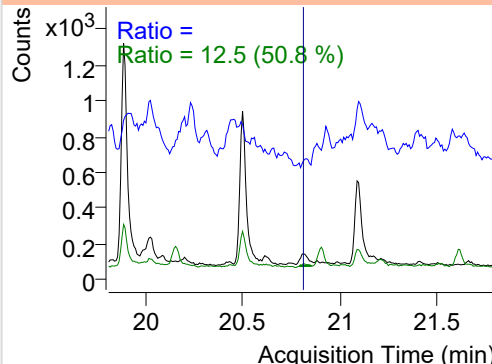


Dibenz(a,h)anthracene

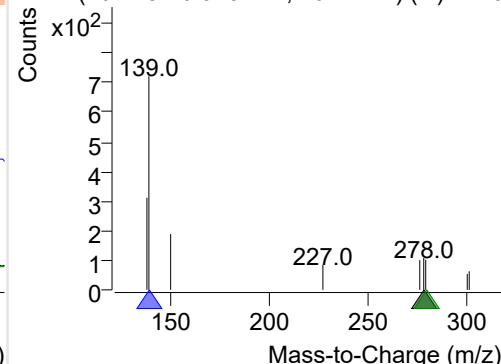
+ Selected Ion (278.0) 221007-PAHs-019.D



278.0, 139.0, 279.0



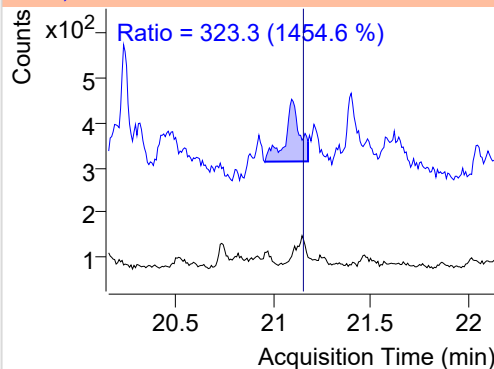
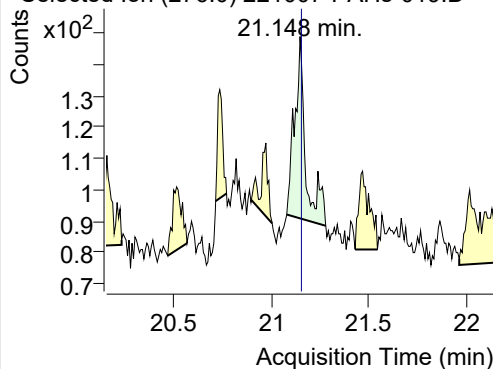
+ SIM (20.778-20.973 min, 26 scans) (**) 2210



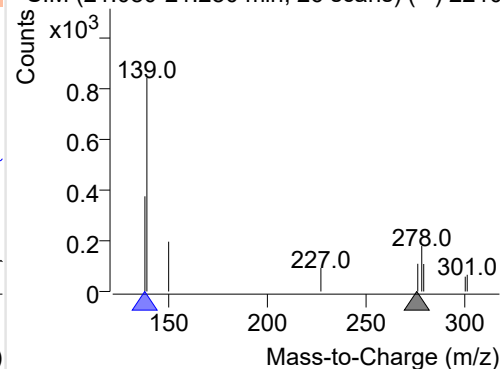
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 221007-PAHs-019.D

276.0, 138.0

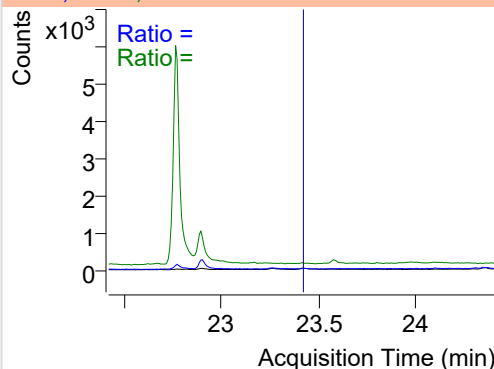
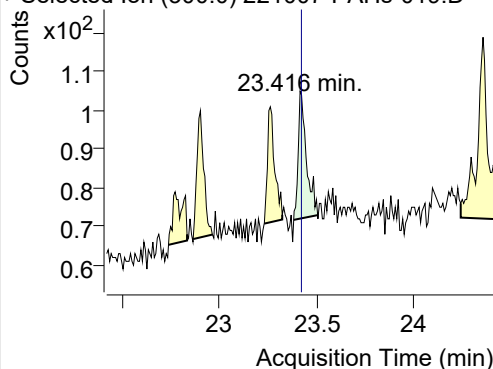


+ SIM (21.080-21.280 min, 26 scans) (**) 2210

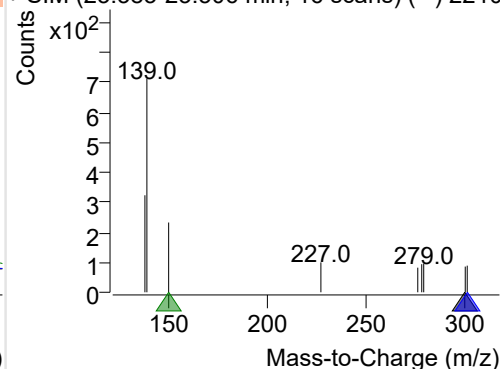
**Coronene**

+ Selected Ion (300.0) 221007-PAHs-019.D

300.0, 301.0, 150.0



+ SIM (23.383-23.506 min, 16 scans) (**) 2210



Quantitative Analysis Sample Based Report

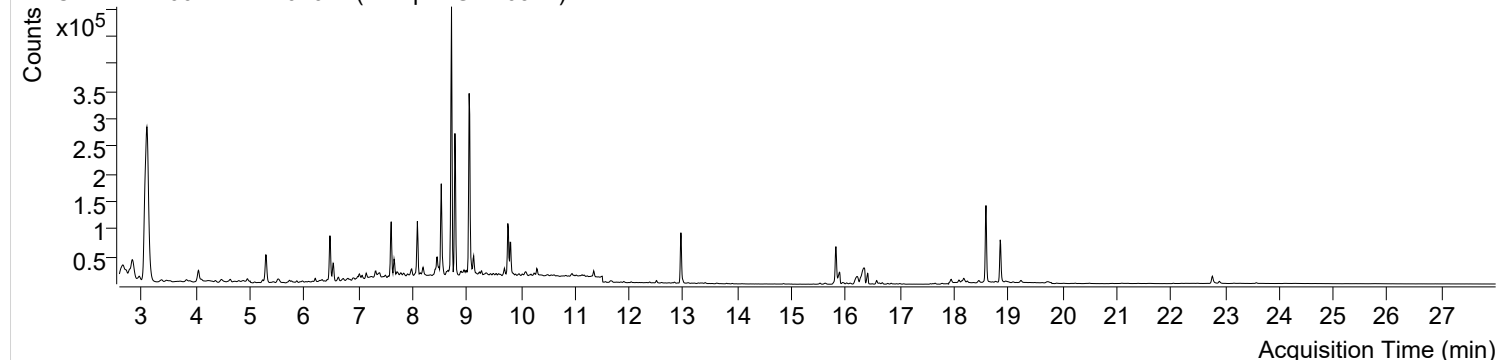


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 9:17:43	Data File	221007-PAHs-020.D
Type	Sample	Name	Sample-Gas-0914
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

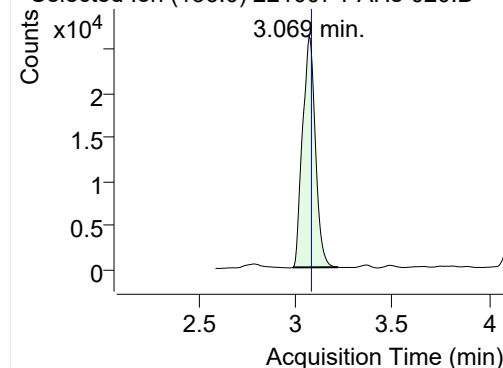
+ TIC SIM 221007-PAHs-020.D (Sample-Gas-0914)



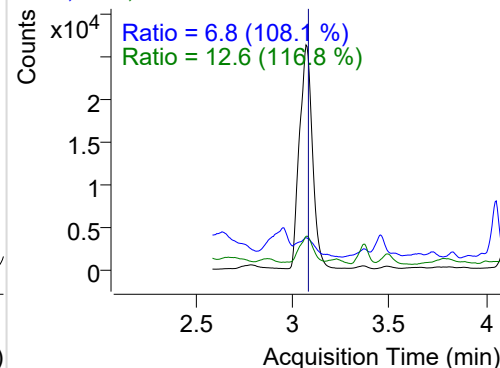
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.069	136.0	120062	26086.31	ND ng/ml	12.6
Naphthalene	3.096	128.0	977140	208594.84	ND ng/ml	13.4
Acenaphthylene	6.149	152.0	1484	714.99	ND ng/ml	103.6
IS-D10-Acenaphthene	6.475	164.0	73494	38747.72	ND ng/ml	98.4
Acenaphthene	6.540	154.0	18839	9676.35	ND ng/ml	110.0
LSS-D10-Fluorene	7.606	176.0	72355	43359.23	ND ng/ml	94.2
Fluorene	7.659	166.0	25255	14238.89	ND ng/ml	111.7
IS-D10-Phenanthrene	9.759	188.0	129431	72559.03	ND ng/ml	16.8
Phenanthrene	9.811	178.0	69200	38327.62	ND ng/ml	18.8
Anthracene	9.906	178.0	1891	1193.06	ND ng/ml	
Fluoranthene	12.504	202.0	4263	2627.66	ND ng/ml	17.5
LSS-D10-Pyrene	12.954	212.0	108568	67262.92	ND ng/ml	18.3
Pyrene	12.987	202.0	6855	4036.48	ND ng/ml	16.3
Benz(a)anthracene	15.811	228.0	626	197.40	ND ng/ml	21.6
IS-D12-Chrysene	15.816	240.0	93821	49459.47	ND ng/ml	18.5
Chrysene	15.881	228.0	1269	500.95	ND ng/ml	35.2
Benzo(b)fluoranthene	18.089	252.0	170	86.00	ND ng/ml	72.9
Benzo(k)fluoranthene	18.153	252.0	293	88.52	ND ng/ml	53.8
SS-D12-Benzo(e)pyrene	18.587	264.0	165583	93793.39	ND ng/ml	26.2
Benzo(e)pyrene	18.587	252.0	1021	424.64	ND ng/ml	21.7
Benzo(a)pyrene	18.765	252.0	244	84.01	ND ng/ml	12.0
IS-D12-Perylene	18.850	264.0	97365	52408.62	ND ng/ml	24.5
Perylene	18.850	252.0	583	232.88	ND ng/ml	15.8
Indeno(1,2,3-c,d)pyrene	20.736	276.0	118	44.91	ND ng/ml	
Dibenz(a,h)anthracene	20.812	278.0	109	41.08	ND ng/ml	
Benzo(g,h,i)perylene	21.141	276.0	91	33.11	ND ng/ml	216.8
Coronene	23.424	300.0	65	24.07	ND ng/ml	

IS-D8-Naphthalene

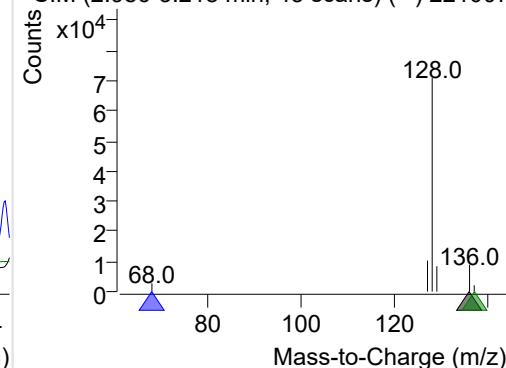
+ Selected Ion (136.0) 221007-PAHs-020.D



136.0, 68.0, 137.0

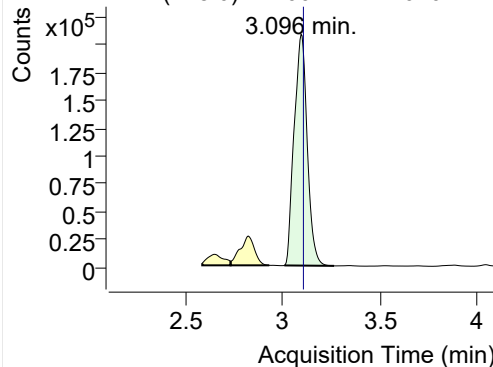


+ SIM (2.986-3.218 min, 43 scans) (**) 221007

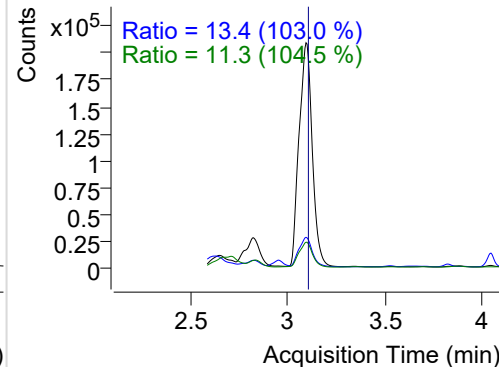


Naphthalene

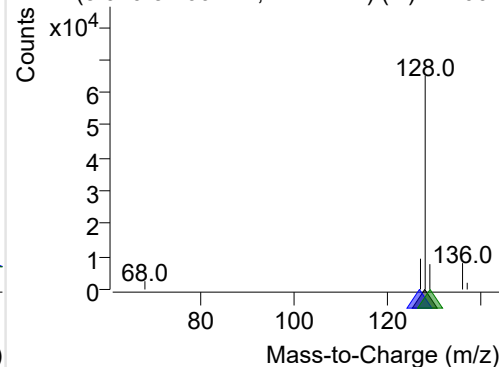
+ Selected Ion (128.0) 221007-PAHs-020.D



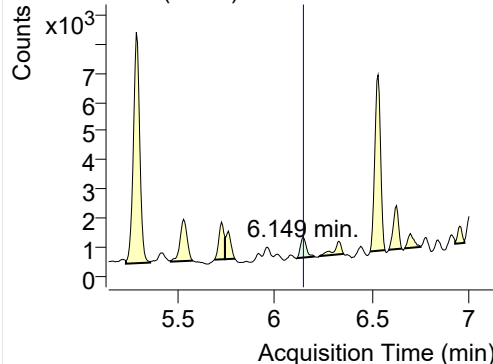
128.0, 127.0, 129.0



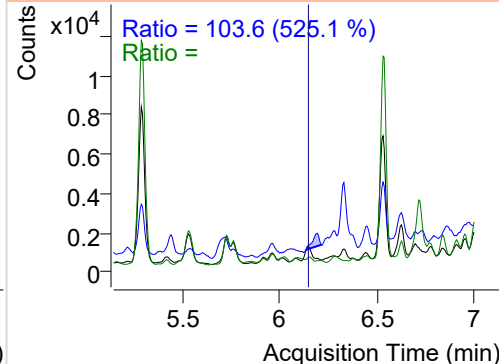
+ SIM (3.010-3.266 min, 47 scans) (**) 221007

**Acenaphthylene**

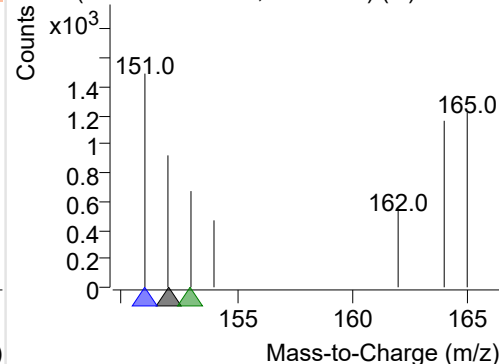
+ Selected Ion (152.0) 221007-PAHs-020.D



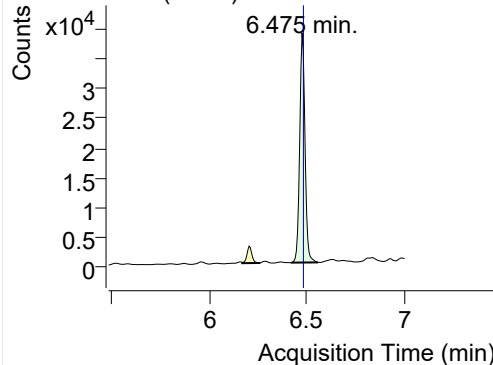
152.0, 151.0, 153.0



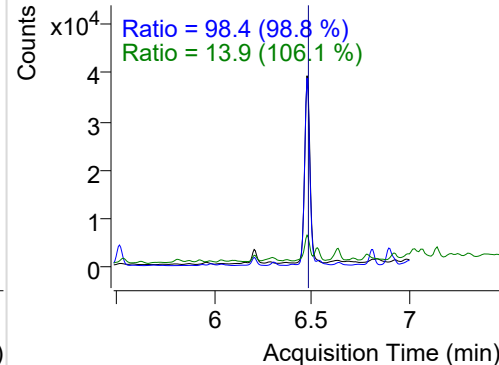
+ SIM (6.117-6.208 min, 15 scans) (**) 221007

**IS-D10-Acenaphthene**

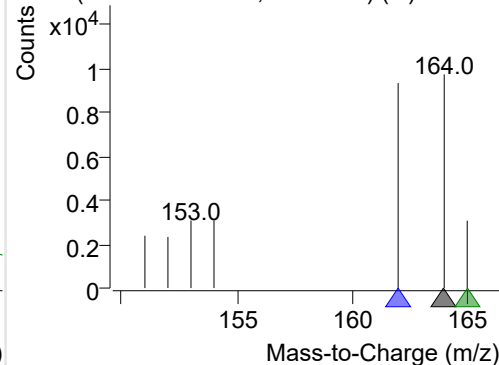
+ Selected Ion (164.0) 221007-PAHs-020.D



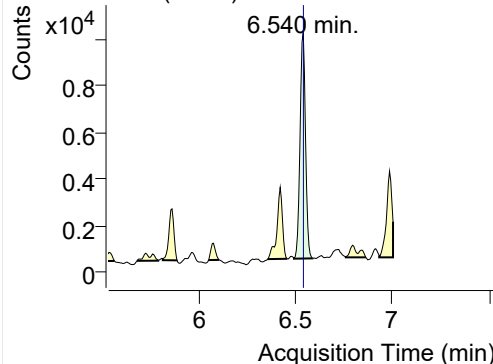
164.0, 162.0, 165.0



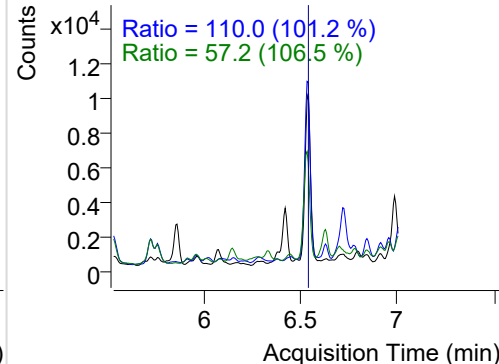
+ SIM (6.422-6.557 min, 23 scans) (**) 221007

**Acenaphthene**

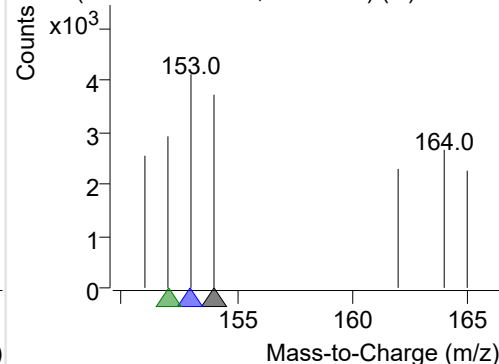
+ Selected Ion (154.0) 221007-PAHs-020.D



154.0, 153.0, 152.0

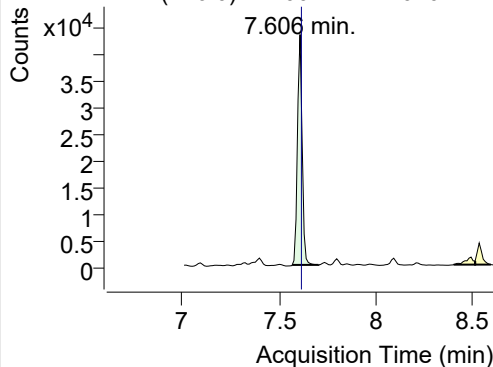


+ SIM (6.493-6.587 min, 17 scans) (**) 221007

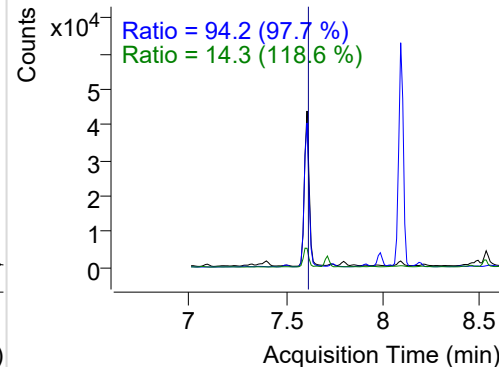


LSS-D10-Fluorene

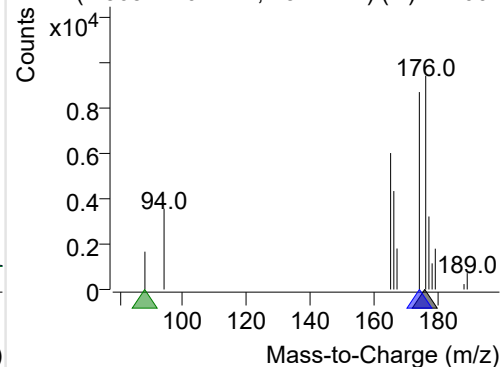
+ Selected Ion (176.0) 221007-PAHs-020.D



176.0, 174.0, 88.0

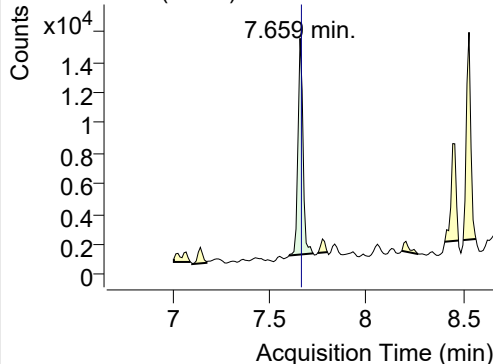


+ SIM (7.565-7.701 min, 13 scans) (**) 221007

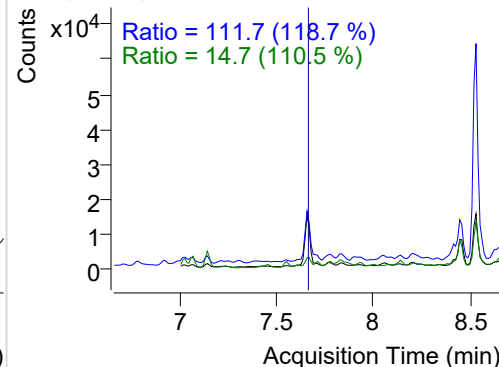


Fluorene

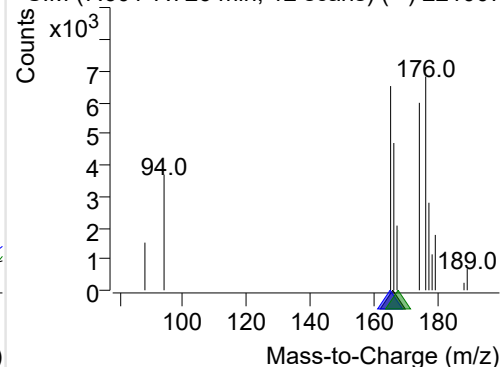
+ Selected Ion (166.0) 221007-PAHs-020.D



166.0, 165.0, 167.0

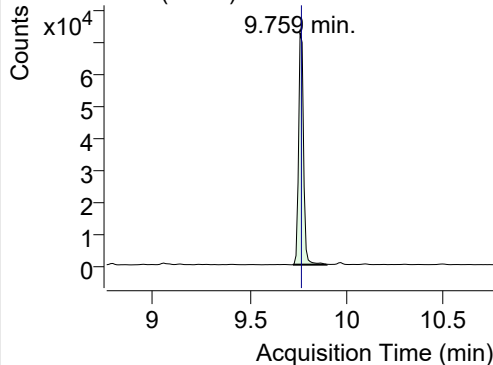


+ SIM (7.601-7.726 min, 12 scans) (**) 221007

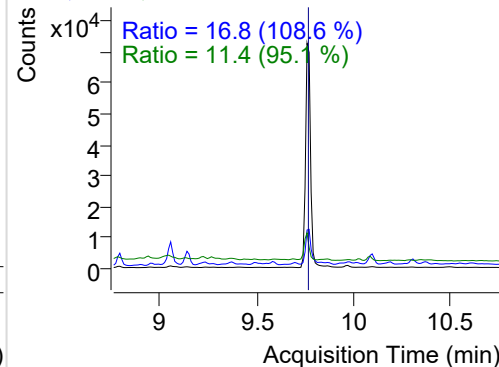


IS-D10-Phenanthrene

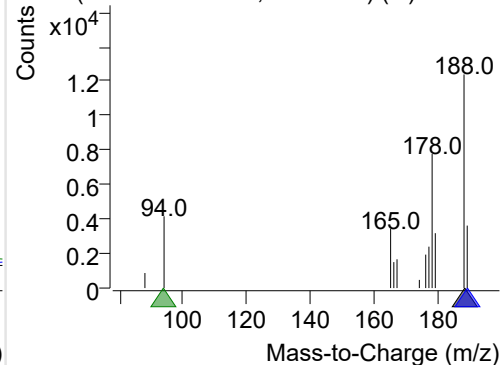
+ Selected Ion (188.0) 221007-PAHs-020.D



188.0, 189.0, 94.0

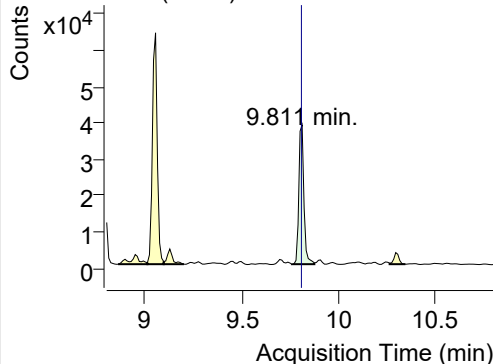


+ SIM (9.722-9.895 min, 17 scans) (**) 221007

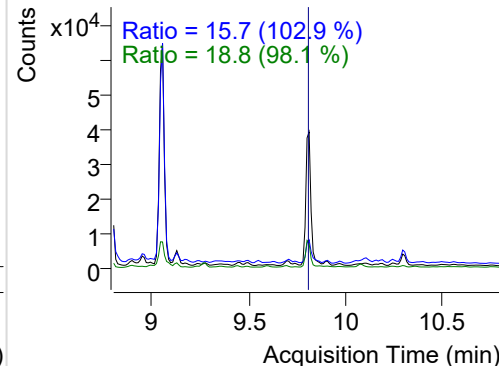


Phenanthrene

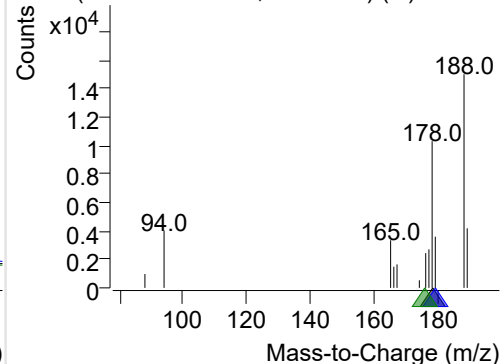
+ Selected Ion (178.0) 221007-PAHs-020.D



178.0, 179.0, 176.0

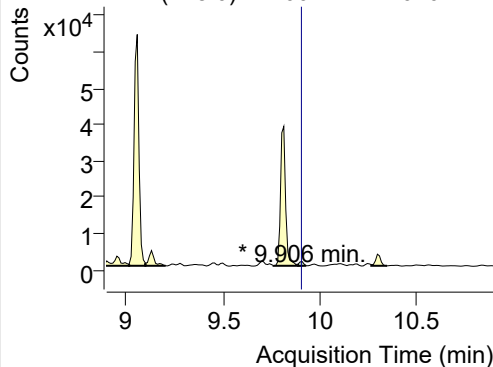


+ SIM (9.759-9.874 min, 12 scans) (**) 221007

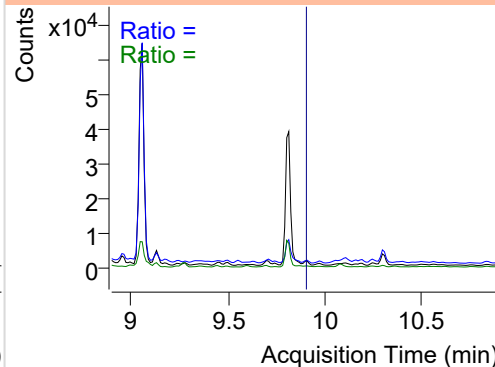


Anthracene

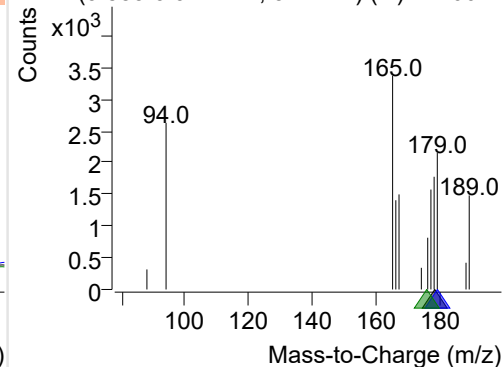
+ Selected Ion (178.0) 221007-PAHs-020.D



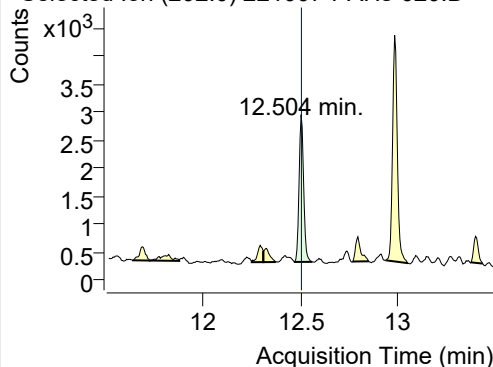
178.0, 179.0, 176.0



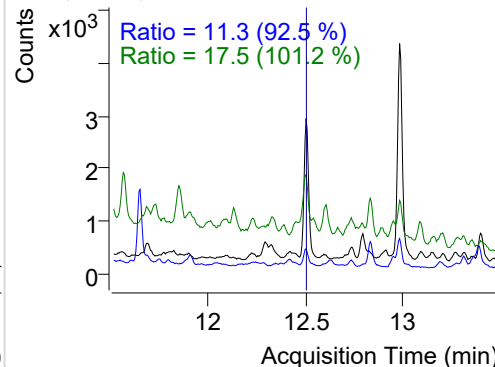
+ SIM (9.885-9.927 min, 5 scans) (**) 221007-I

**Fluoranthene**

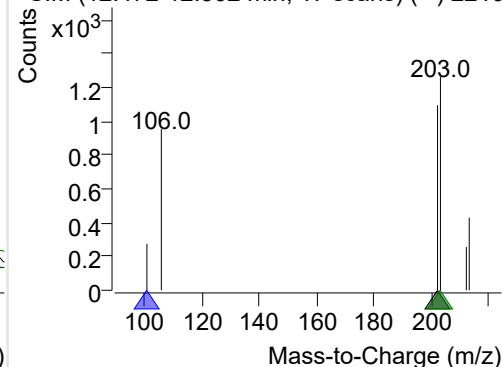
+ Selected Ion (202.0) 221007-PAHs-020.D



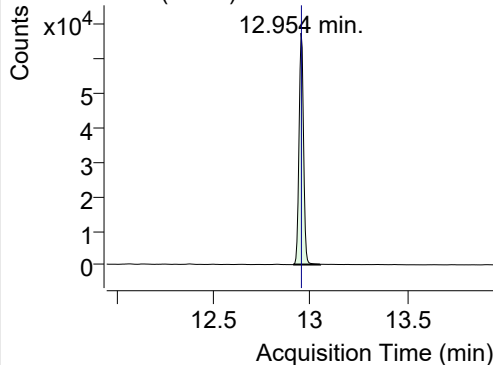
202.0, 101.0, 203.0



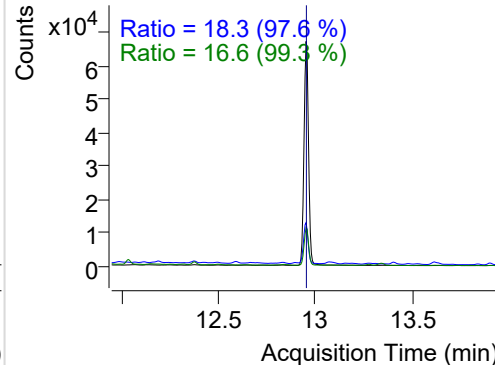
+ SIM (12.472-12.562 min, 17 scans) (**) 2210

**LSS-D10-Pyrene**

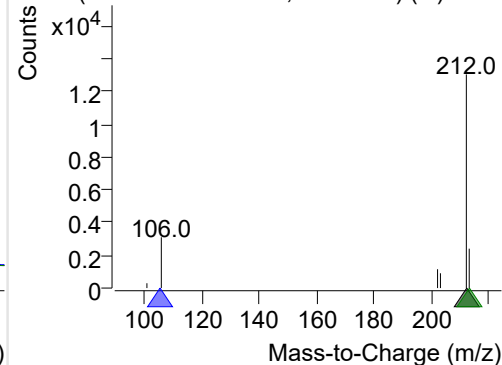
+ Selected Ion (212.0) 221007-PAHs-020.D



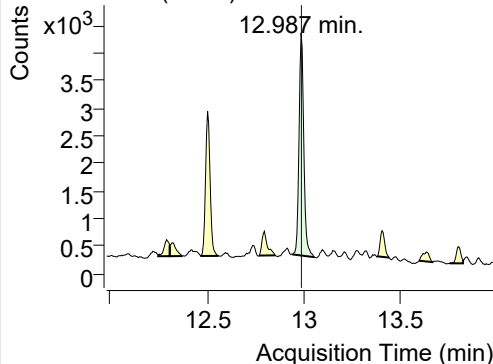
212.0, 106.0, 213.0



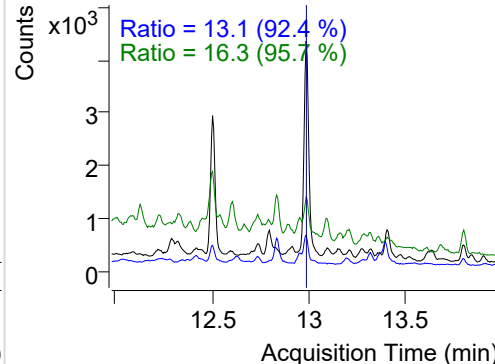
+ SIM (12.913-13.052 min, 26 scans) (**) 2210

**Pyrene**

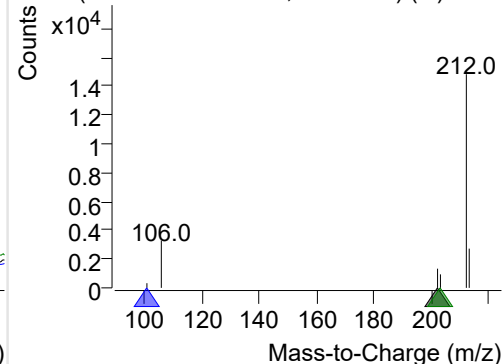
+ Selected Ion (202.0) 221007-PAHs-020.D



202.0, 101.0, 203.0



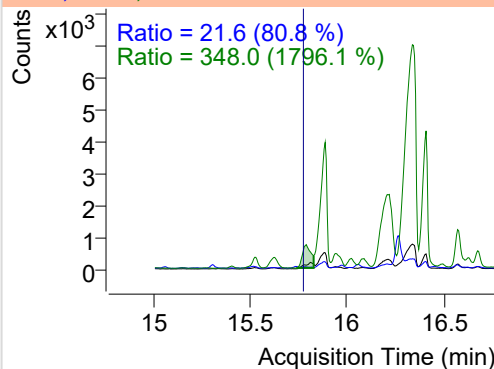
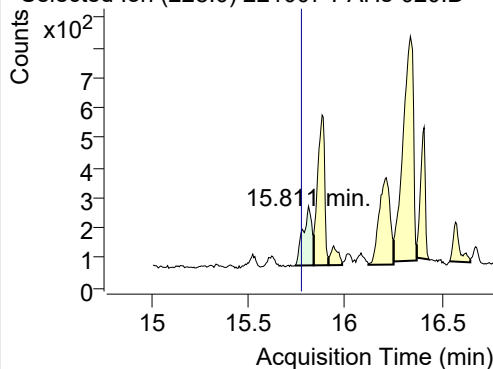
+ SIM (12.944-13.056 min, 21 scans) (**) 2210



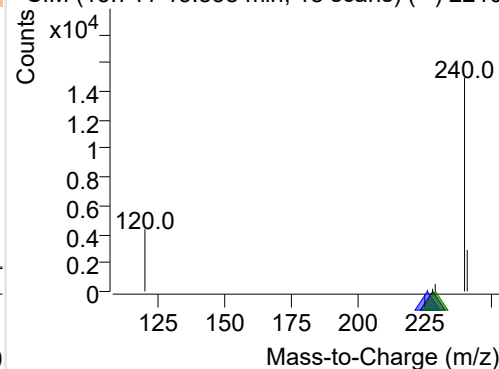
Benz(a)anthracene

+ Selected Ion (228.0) 221007-PAHs-020.D

228.0, 226.0, 229.0

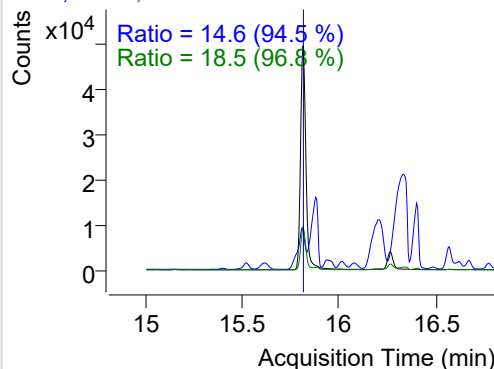
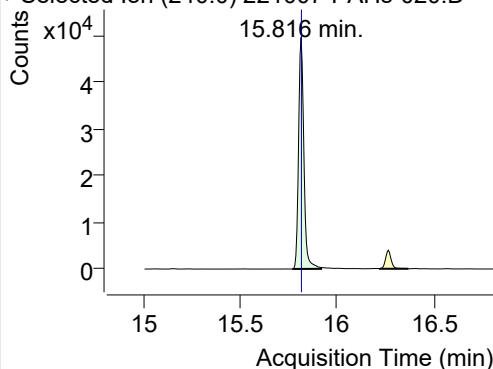


+ SIM (15.741-15.838 min, 18 scans) (**) 2210

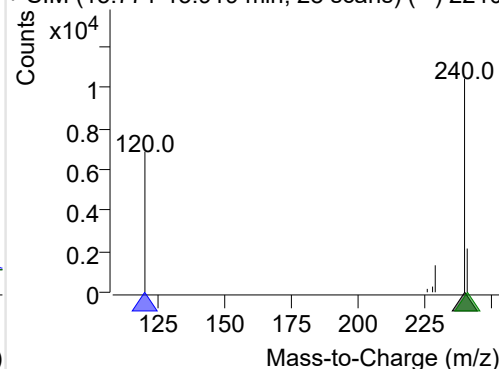
**IS-D12-Chrysene**

+ Selected Ion (240.0) 221007-PAHs-020.D

240.0, 120.0, 241.0

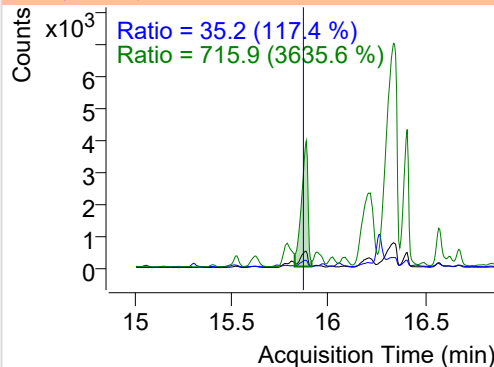
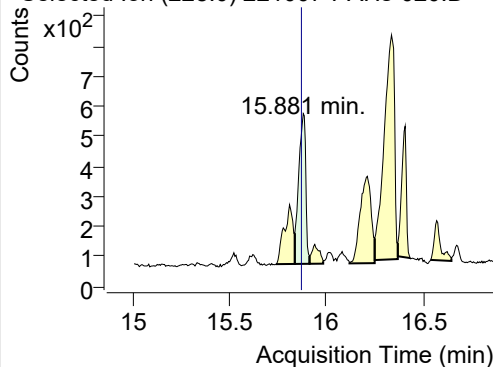


+ SIM (15.771-15.919 min, 28 scans) (**) 2210

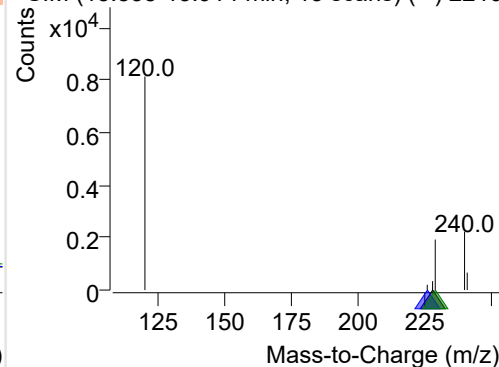
**Chrysene**

+ Selected Ion (228.0) 221007-PAHs-020.D

228.0, 226.0, 229.0

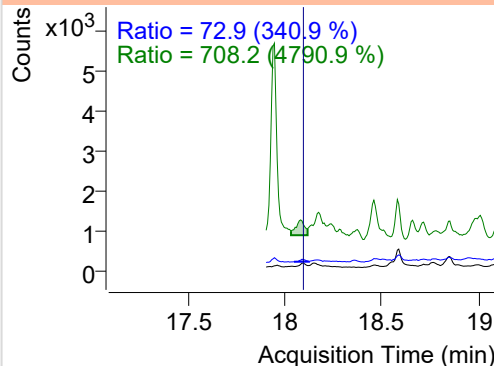
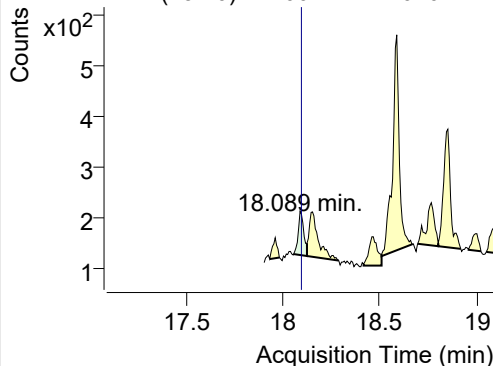


+ SIM (15.838-15.914 min, 15 scans) (**) 2210

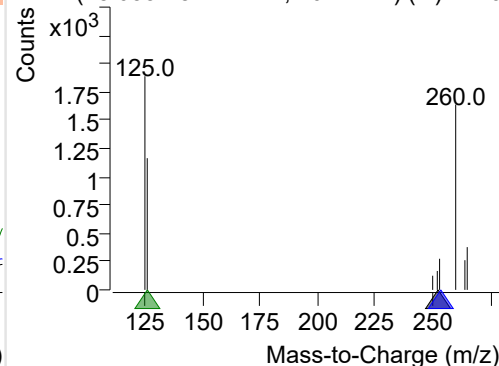
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 221007-PAHs-020.D

252.0, 253.0, 126.0



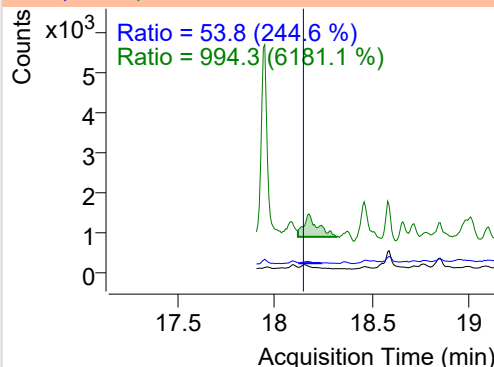
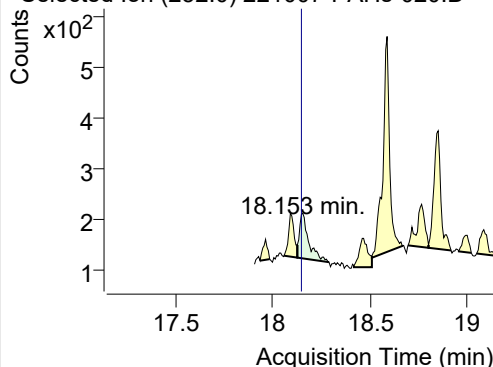
+ SIM (18.055-18.124 min, 10 scans) (**) 2210



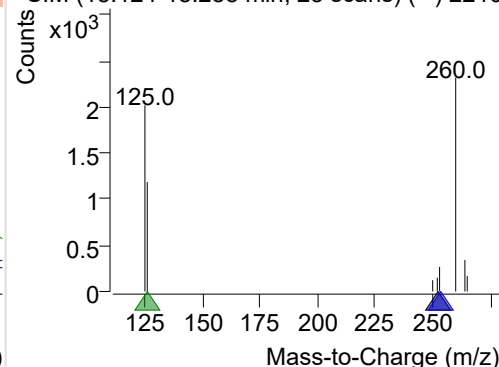
Benzo(k)fluoranthene

+ Selected Ion (252.0) 221007-PAHs-020.D

252.0, 253.0, 126.0

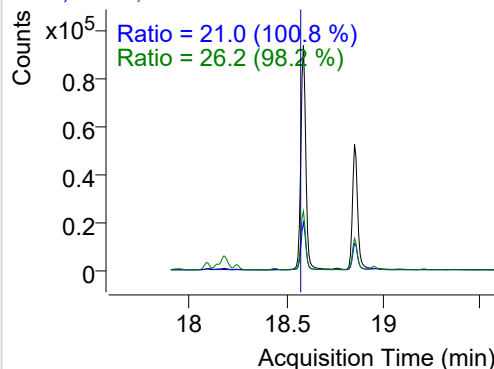
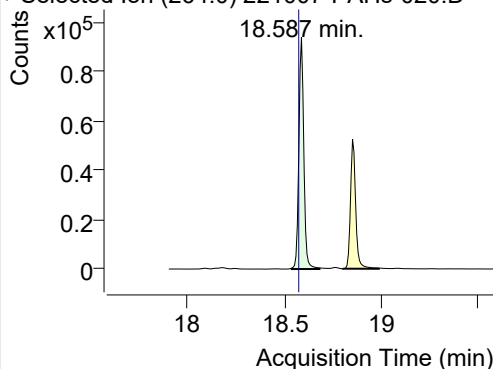


+ SIM (18.124-18.288 min, 23 scans) (**) 2210

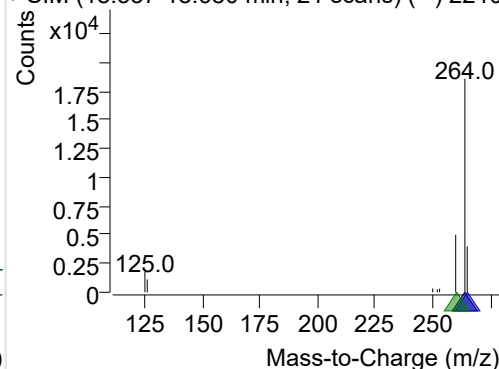
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 221007-PAHs-020.D

264.0, 265.0, 260.0

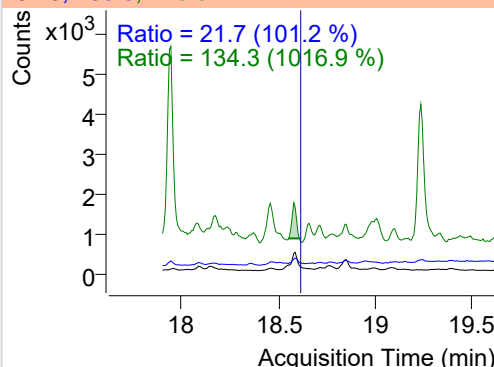
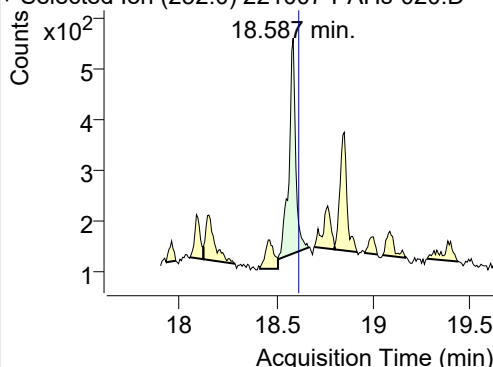


+ SIM (18.537-18.680 min, 21 scans) (**) 2210

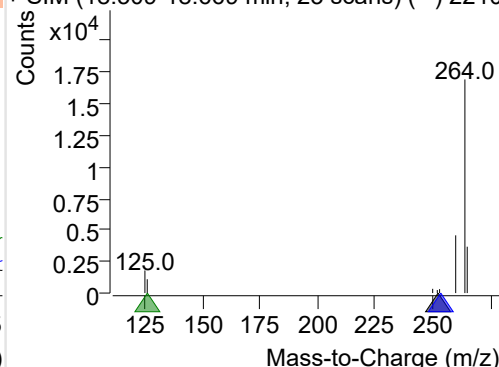
**Benzo(e)pyrene**

+ Selected Ion (252.0) 221007-PAHs-020.D

252.0, 253.0, 126.0

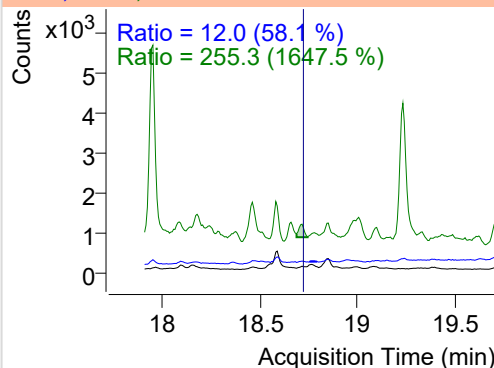
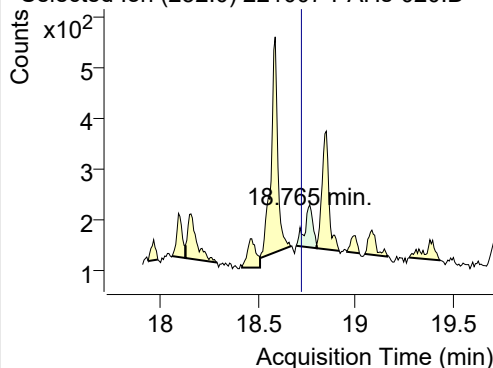


+ SIM (18.509-18.669 min, 23 scans) (**) 2210

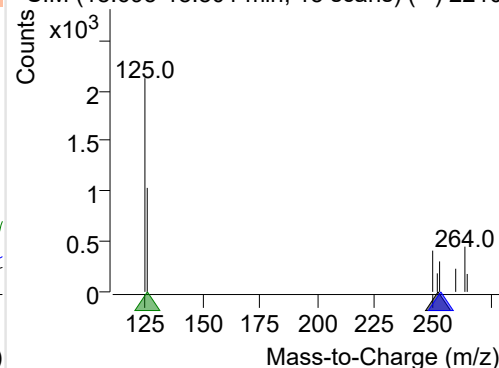
**Benzo(a)pyrene**

+ Selected Ion (252.0) 221007-PAHs-020.D

252.0, 253.0, 126.0

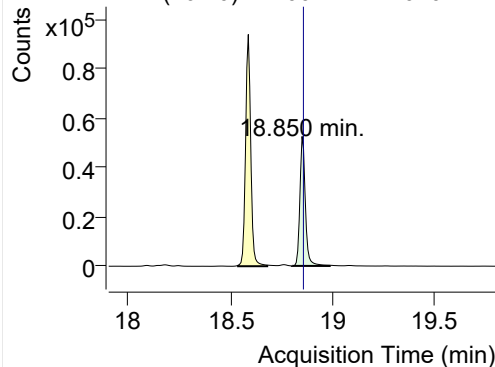


+ SIM (18.695-18.801 min, 15 scans) (**) 2210

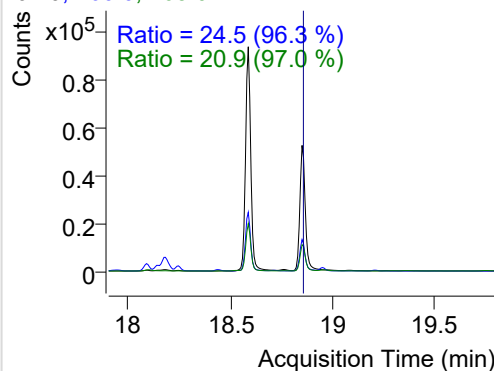


IS-D12-Perylene

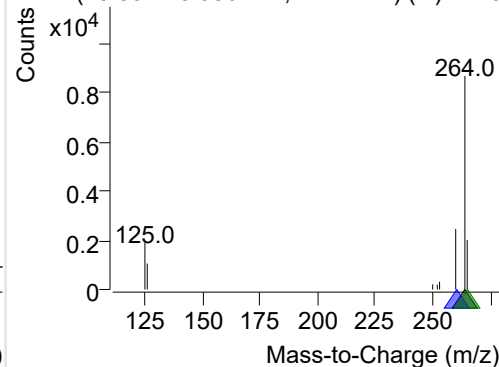
+ Selected Ion (264.0) 221007-PAHs-020.D



264.0, 260.0, 265.0

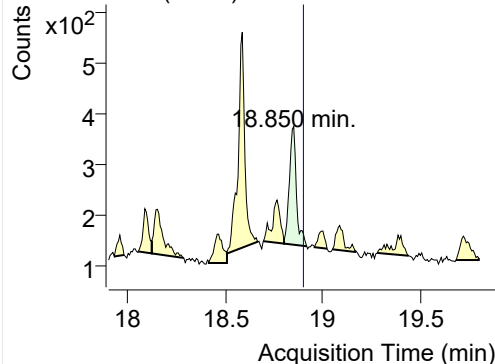


+ SIM (18.801-18.986 min, 27 scans) (**) 2210

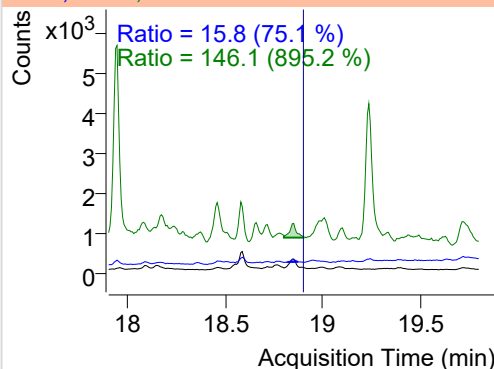


Perylene

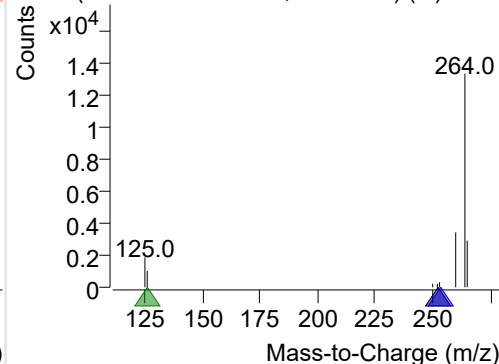
+ Selected Ion (252.0) 221007-PAHs-020.D



252.0, 253.0, 126.0

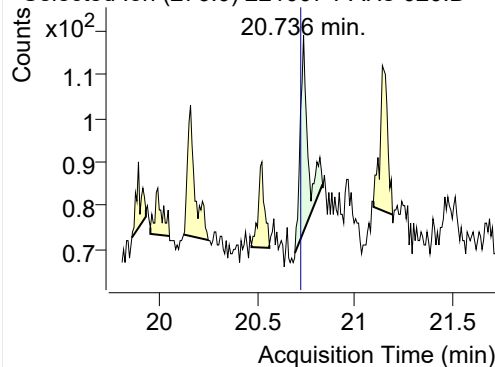


+ SIM (18.801-18.917 min, 17 scans) (**) 2210

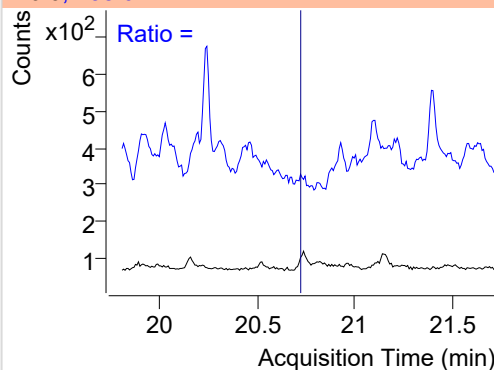


Indeno(1,2,3-c,d)pyrene

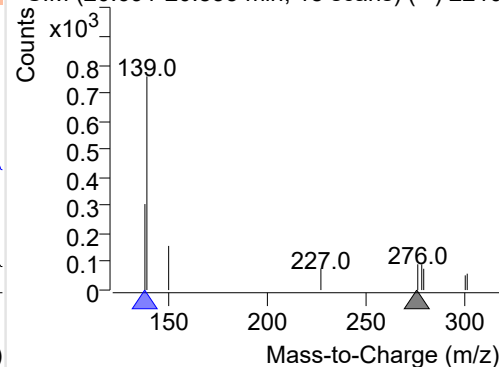
+ Selected Ion (276.0) 221007-PAHs-020.D



276.0, 138.0

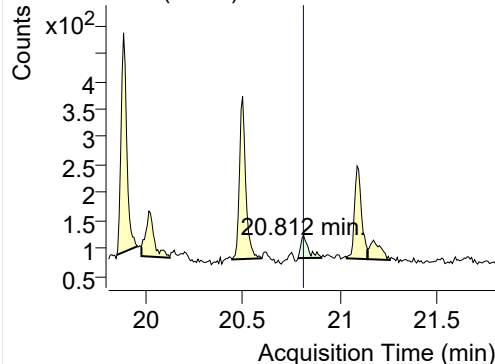


+ SIM (20.691-20.833 min, 18 scans) (**) 2210

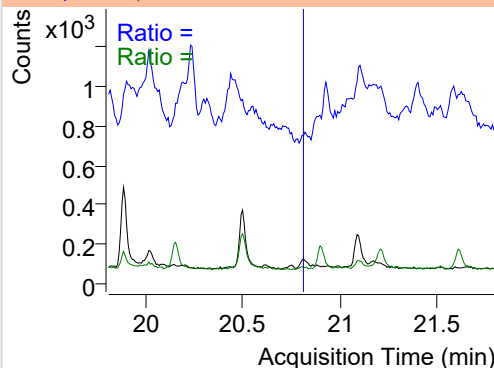


Dibenz(a,h)anthracene

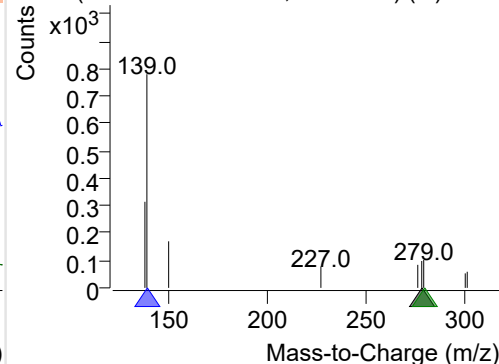
+ Selected Ion (278.0) 221007-PAHs-020.D



278.0, 139.0, 279.0



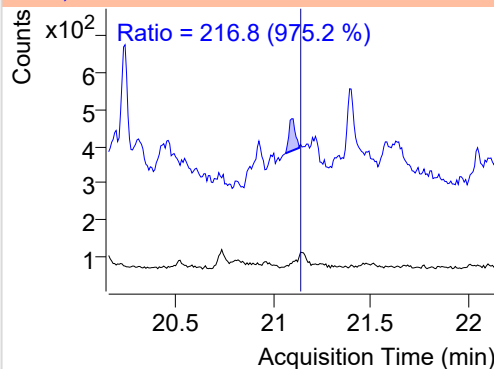
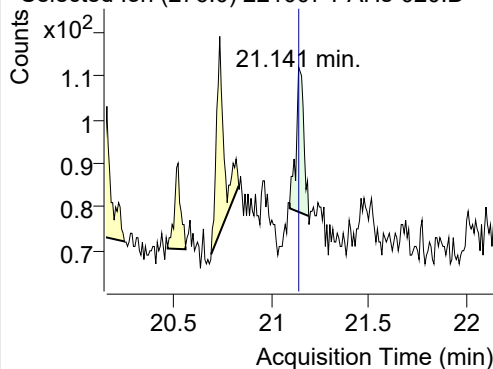
+ SIM (20.784-20.904 min, 16 scans) (**) 2210



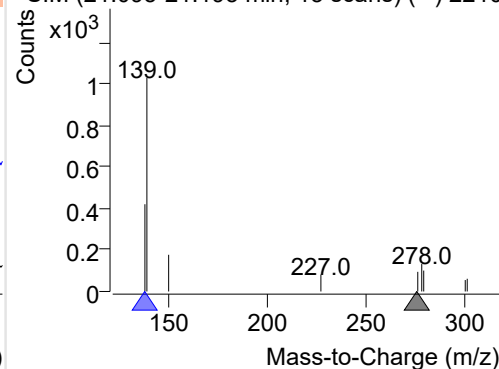
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 221007-PAHs-020.D

276.0, 138.0

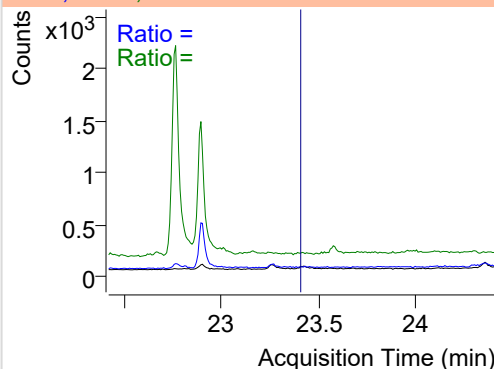
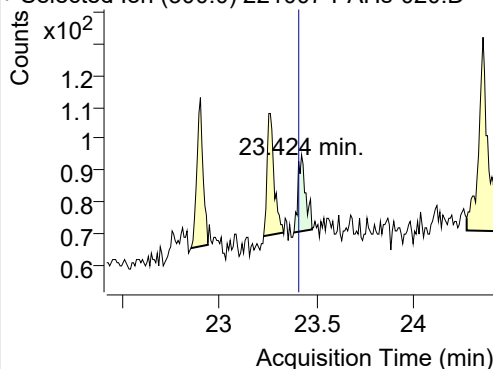


+ SIM (21.095-21.193 min, 13 scans) (**) 2210

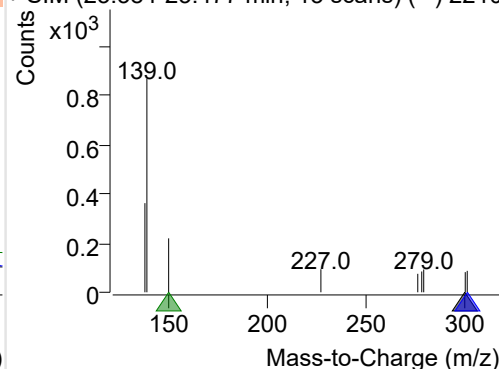
**Coronene**

+ Selected Ion (300.0) 221007-PAHs-020.D

300.0, 301.0, 150.0



+ SIM (23.384-23.477 min, 13 scans) (**) 2210



Quantitative Analysis Sample Based Report

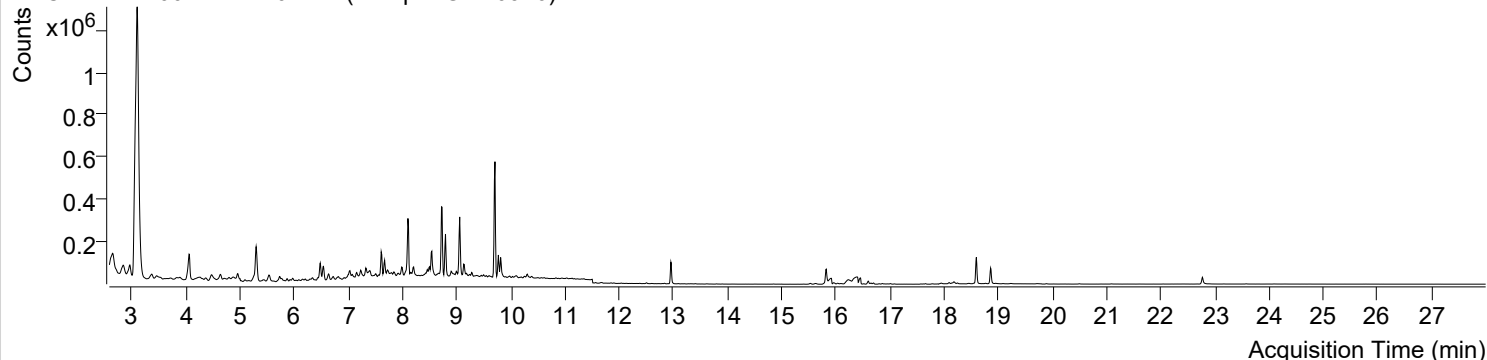


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 9:48:51	Data File	221007-PAHs-021.D
Type	Sample	Name	Sample-Gas-0926
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

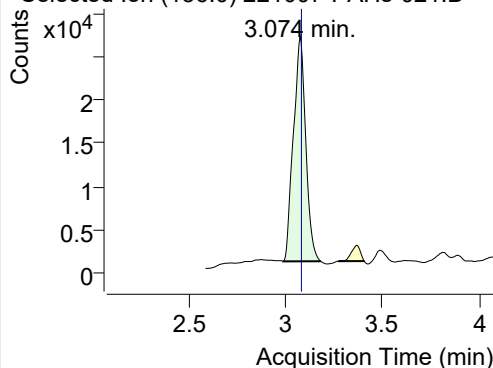
+ TIC SIM 221007-PAHs-021.D (Sample-Gas-0926)



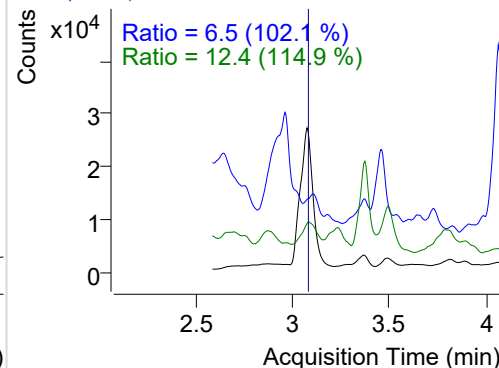
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	114570	25957.05	ND ng/ml	12.4
Naphthalene	3.101	128.0	4560824	1013223.47	ND ng/ml	13.7
Acenaphthylene	6.149	152.0	8877	4386.29	ND ng/ml	19.2
IS-D10-Acenaphthene	6.481	164.0	76897	37878.89	ND ng/ml	92.1
Acenaphthene	6.540	154.0	32103	15846.54	ND ng/ml	122.1
LSS-D10-Fluorene	7.606	176.0	80927	45565.20	ND ng/ml	97.7
Fluorene	7.669	166.0	64954	33640.25	ND ng/ml	91.9
IS-D10-Phenanthrene	9.769	188.0	127801	83591.10	ND ng/ml	15.7
Phenanthrene	9.811	178.0	95346	58983.85	ND ng/ml	18.8
Anthracene	9.906	178.0	2229	1502.10	ND ng/ml	
Fluoranthene	12.504	202.0	3525	2011.96	ND ng/ml	19.5
LSS-D10-Pyrene	12.954	212.0	120582	75685.25	ND ng/ml	18.1
Pyrene	12.987	202.0	4478	2364.92	ND ng/ml	16.0
Benz(a)anthracene	15.822	228.0	779	251.20	ND ng/ml	13.0
IS-D12-Chrysene	15.822	240.0	97484	48820.70	ND ng/ml	19.3
Chrysene	15.914	228.0	2354	644.27	ND ng/ml	34.1
Benzo(b)fluoranthene	18.103	252.0	157	63.38	ND ng/ml	43.5
Benzo(k)fluoranthene	18.153	252.0	267	73.63	ND ng/ml	33.3
SS-D12-Benzo(e)pyrene	18.594	264.0	148769	83945.28	ND ng/ml	26.1
Benzo(e)pyrene	18.594	252.0	1287	405.57	ND ng/ml	24.4
Benzo(a)pyrene	18.758	252.0	315	116.67	ND ng/ml	
IS-D12-Perylene	18.858	264.0	94765	50346.45	ND ng/ml	24.7
Perylene	18.858	252.0	634	220.53	ND ng/ml	22.2
Indeno(1,2,3-c,d)pyrene	20.736	276.0	158	33.01	ND ng/ml	
Dibenz(a,h)anthracene	21.087	278.0	1255	521.60	ND ng/ml	18.0
Benzo(g,h,i)perylene	21.148	276.0	237	66.49	ND ng/ml	78.3
Coronene	23.424	300.0	65	24.09	ND ng/ml	

IS-D8-Naphthalene

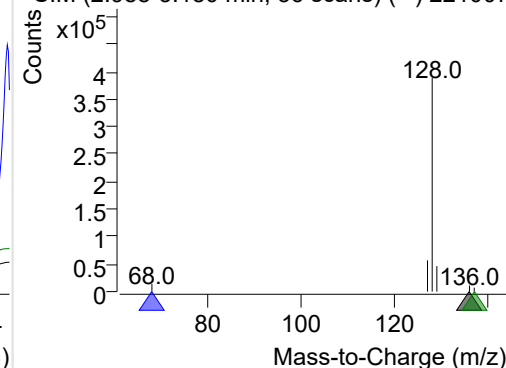
+ Selected Ion (136.0) 221007-PAHs-021.D



136.0, 68.0, 137.0

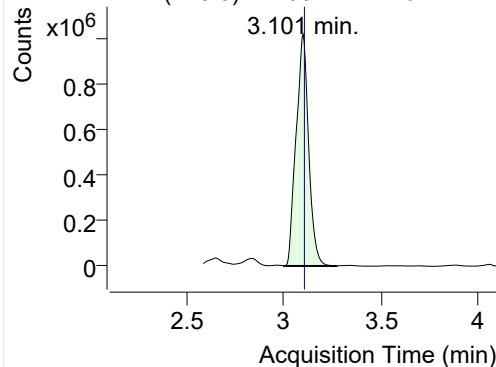


+ SIM (2.988-3.180 min, 36 scans) (**) 221007

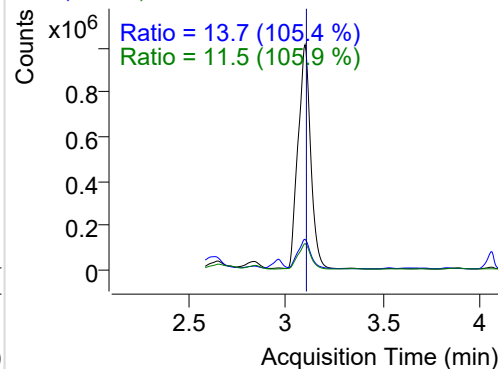


Naphthalene

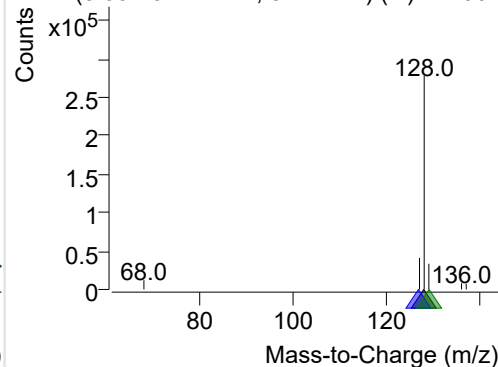
+ Selected Ion (128.0) 221007-PAHs-021.D



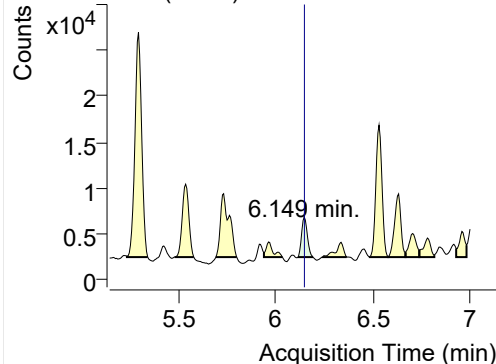
128.0, 127.0, 129.0



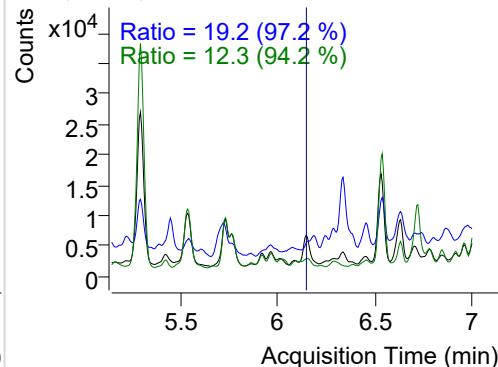
+ SIM (3.004-3.274 min, 51 scans) (**) 221007

**Acenaphthylene**

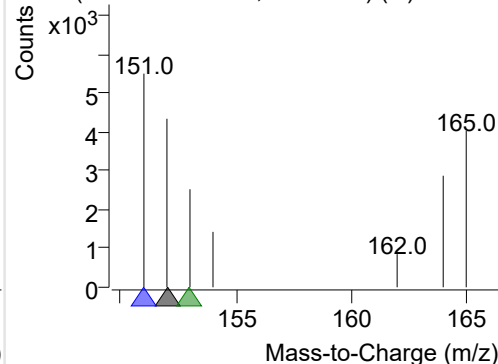
+ Selected Ion (152.0) 221007-PAHs-021.D



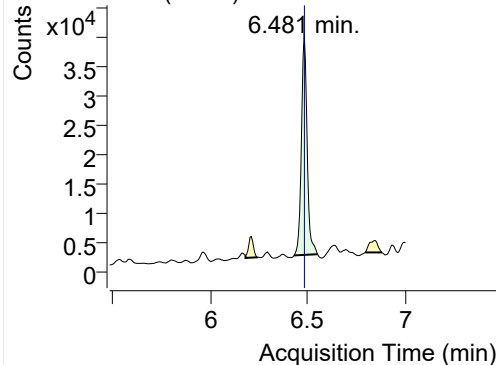
152.0, 151.0, 153.0



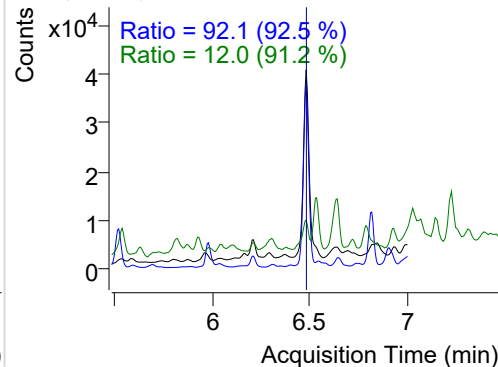
+ SIM (6.117-6.194 min, 13 scans) (**) 221007

**IS-D10-Acenaphthene**

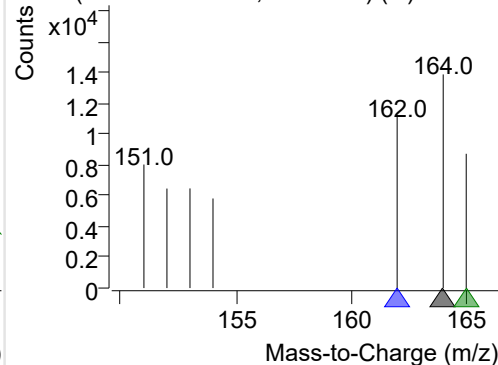
+ Selected Ion (164.0) 221007-PAHs-021.D



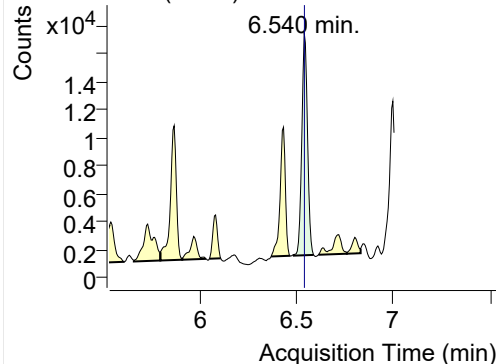
164.0, 162.0, 165.0



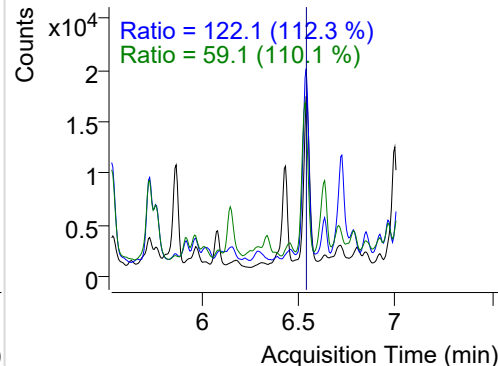
+ SIM (6.428-6.550 min, 20 scans) (**) 221007

**Acenaphthene**

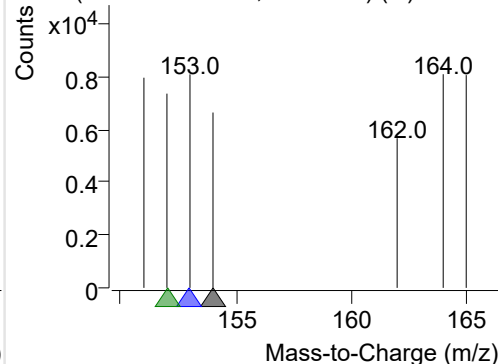
+ Selected Ion (154.0) 221007-PAHs-021.D



154.0, 153.0, 152.0

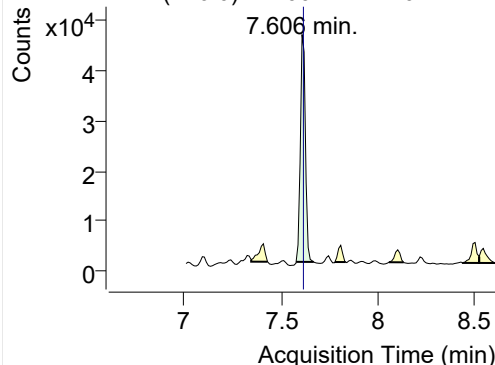


+ SIM (6.487-6.588 min, 18 scans) (**) 221007

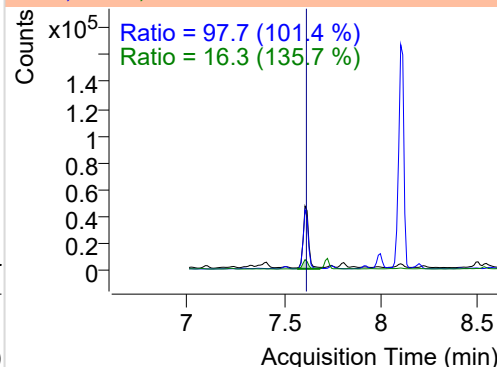


LSS-D10-Fluorene

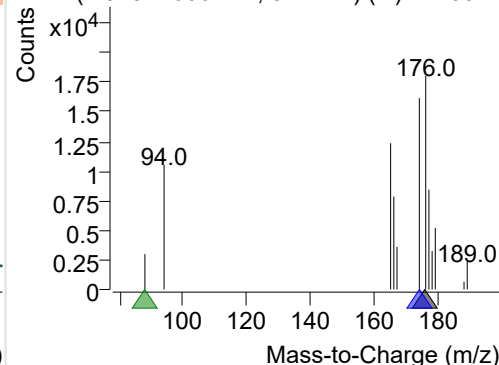
+ Selected Ion (176.0) 221007-PAHs-021.D



176.0, 174.0, 88.0

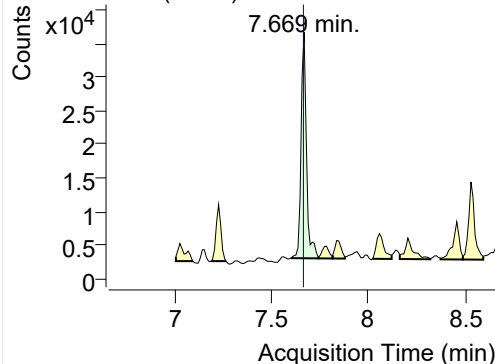


+ SIM (7.575-7.666 min, 8 scans) (**) 221007-I

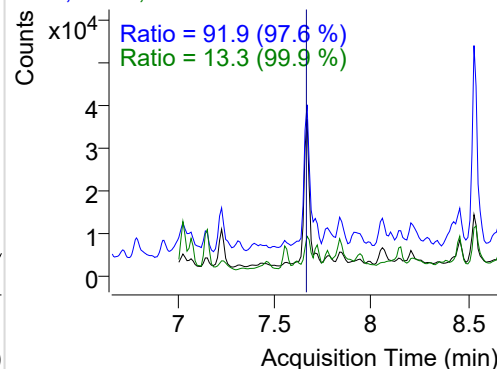


Fluorene

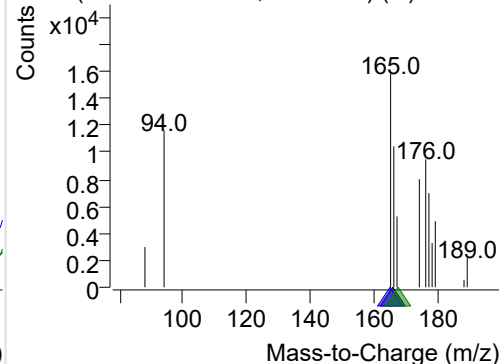
+ Selected Ion (166.0) 221007-PAHs-021.D



166.0, 165.0, 167.0

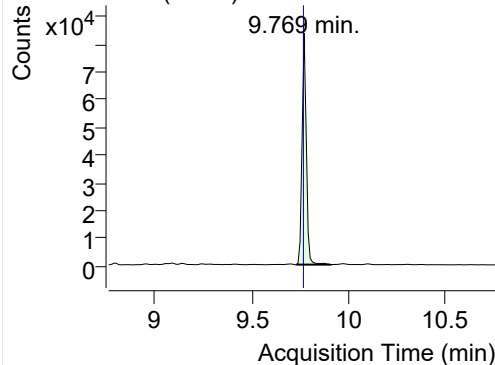


+ SIM (7.606-7.743 min, 14 scans) (**) 221007

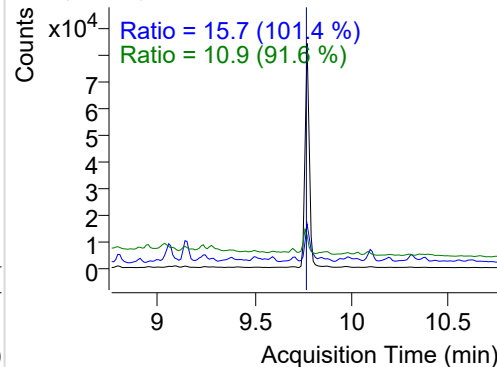


IS-D10-Phenanthrene

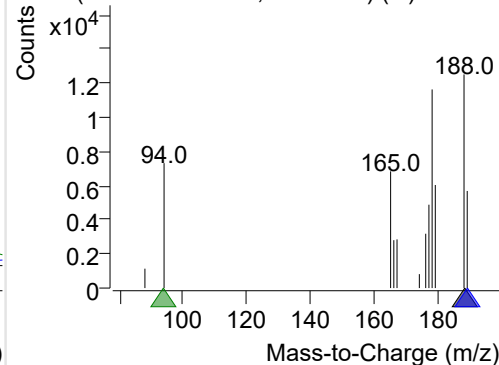
+ Selected Ion (188.0) 221007-PAHs-021.D



188.0, 189.0, 94.0

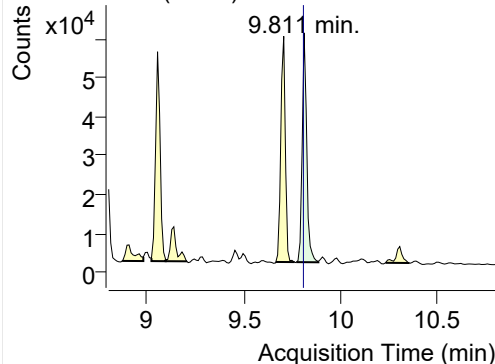


+ SIM (9.729-9.906 min, 17 scans) (**) 221007

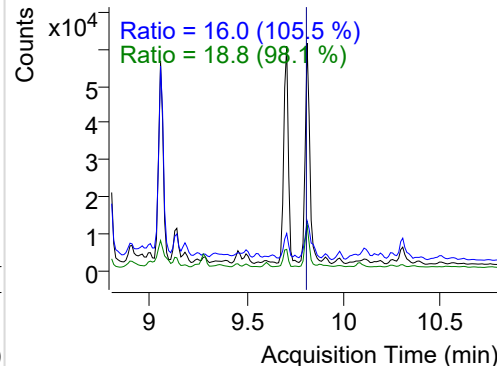


Phenanthrene

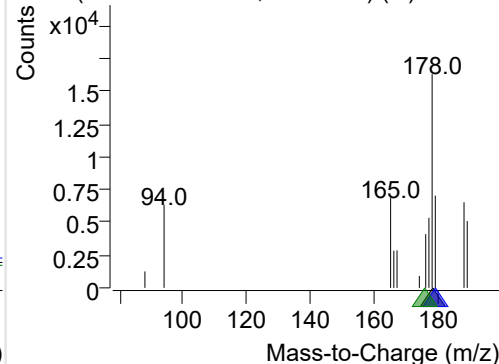
+ Selected Ion (178.0) 221007-PAHs-021.D



178.0, 179.0, 176.0

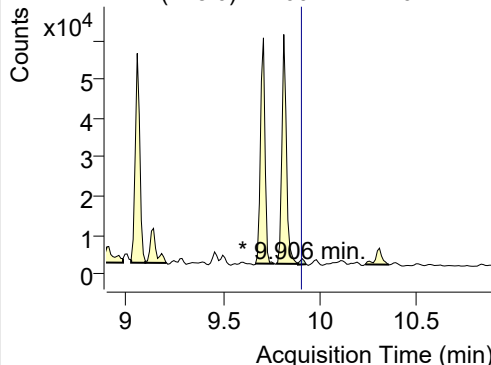


+ SIM (9.772-9.885 min, 11 scans) (**) 221007

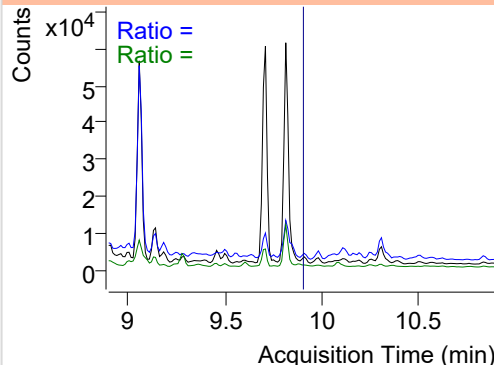


Anthracene

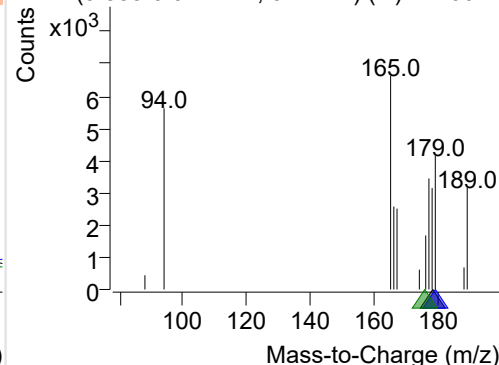
+ Selected Ion (178.0) 221007-PAHs-021.D



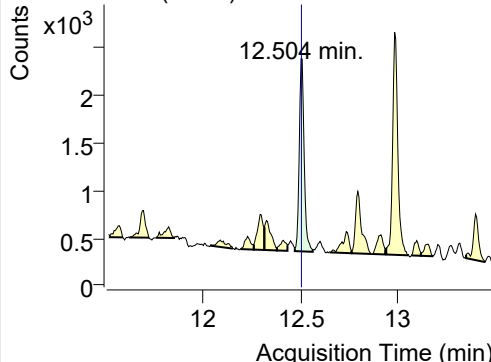
178.0, 179.0, 176.0



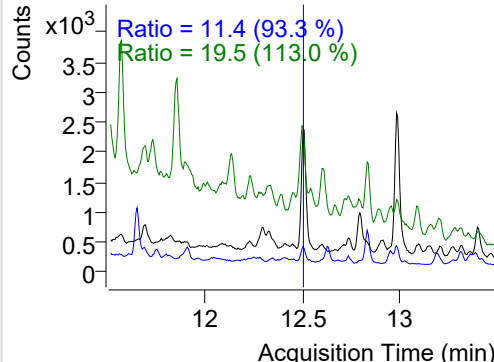
+ SIM (9.885-9.927 min, 5 scans) (**) 221007-I

**Fluoranthene**

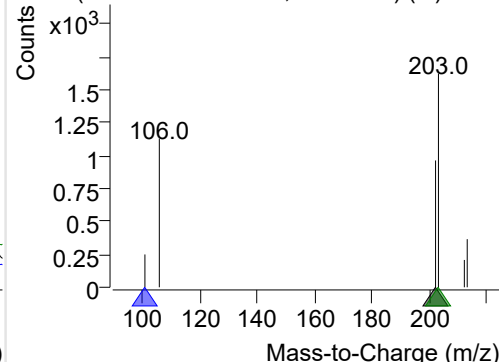
+ Selected Ion (202.0) 221007-PAHs-021.D



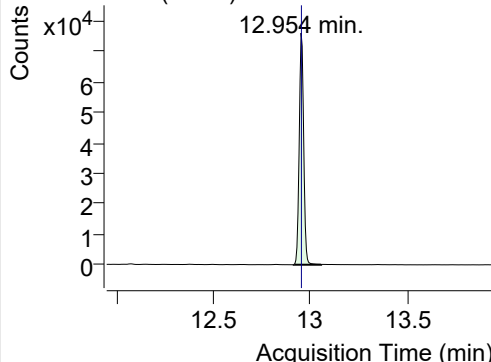
202.0, 101.0, 203.0



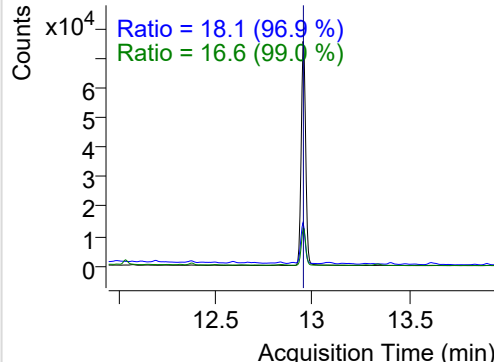
+ SIM (12.472-12.564 min, 18 scans) (**) 2210

**LSS-D10-Pyrene**

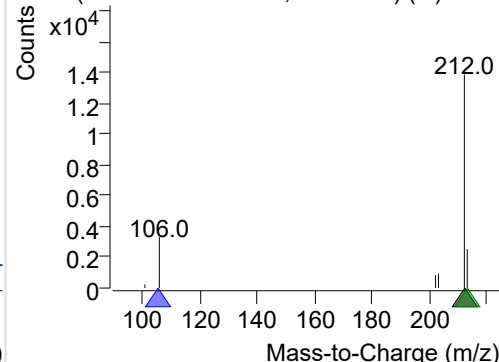
+ Selected Ion (212.0) 221007-PAHs-021.D



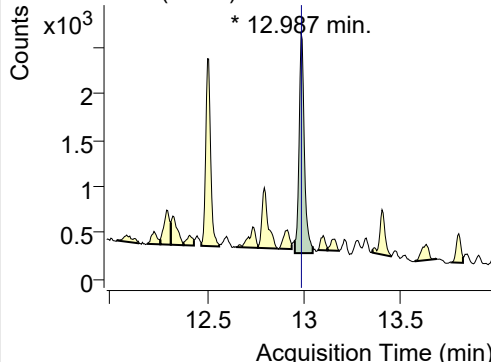
212.0, 106.0, 213.0



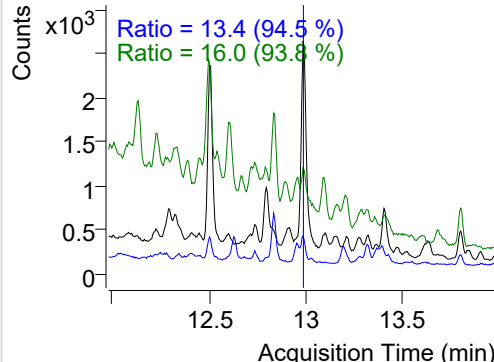
+ SIM (12.916-13.057 min, 27 scans) (**) 2210

**Pyrene**

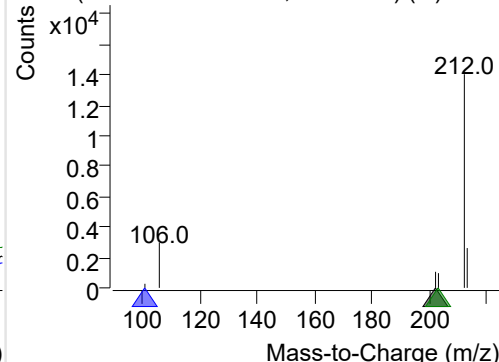
+ Selected Ion (202.0) 221007-PAHs-021.D



202.0, 101.0, 203.0



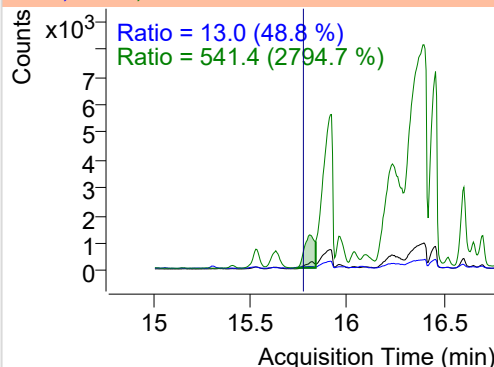
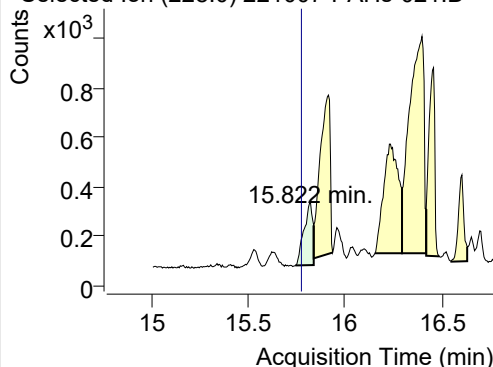
+ SIM (12.954-13.046 min, 18 scans) (**) 2210



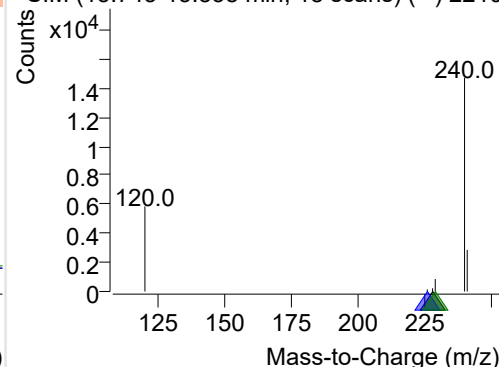
Benz(a)anthracene

+ Selected Ion (228.0) 221007-PAHs-021.D

228.0, 226.0, 229.0

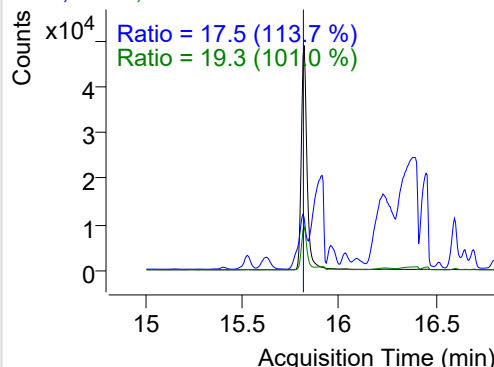
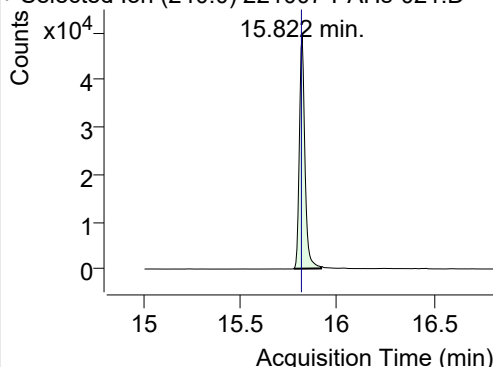


+ SIM (15.743-15.838 min, 18 scans) (**) 2210

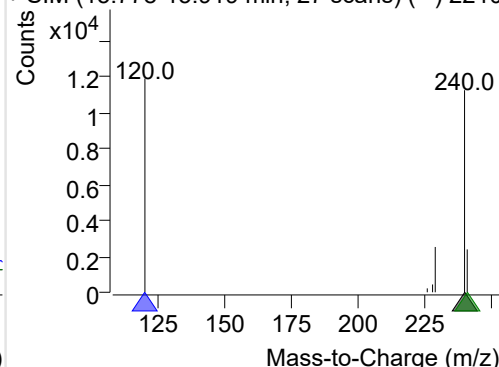
**IS-D12-Chrysene**

+ Selected Ion (240.0) 221007-PAHs-021.D

240.0, 120.0, 241.0

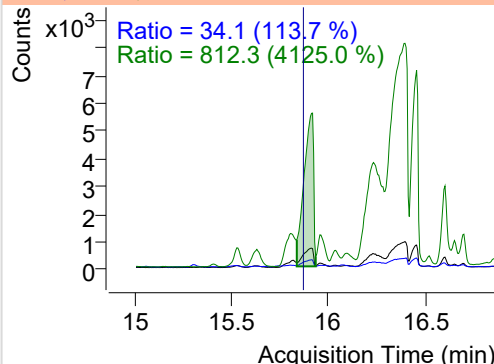
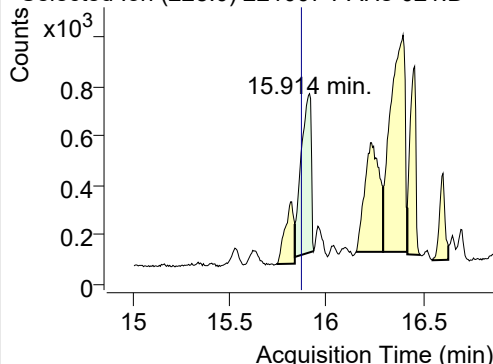


+ SIM (15.778-15.919 min, 27 scans) (**) 2210

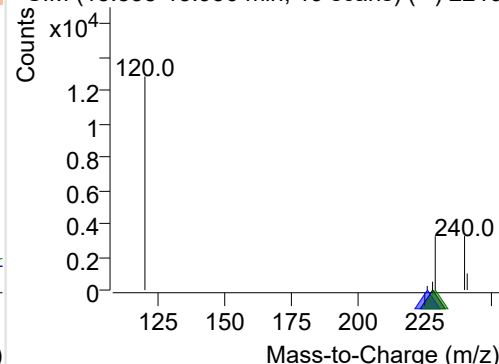
**Chrysene**

+ Selected Ion (228.0) 221007-PAHs-021.D

228.0, 226.0, 229.0

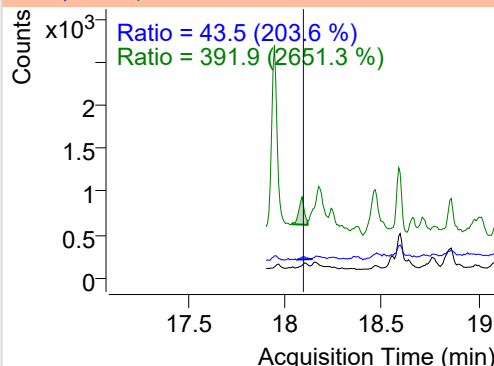
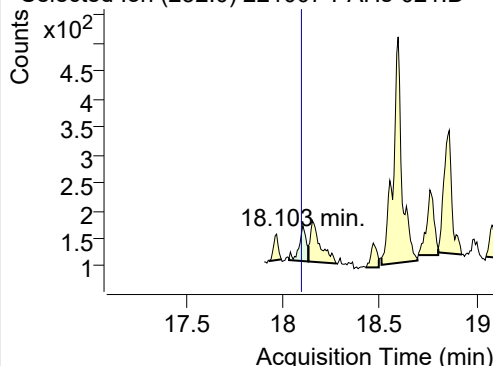


+ SIM (15.838-15.936 min, 19 scans) (**) 2210

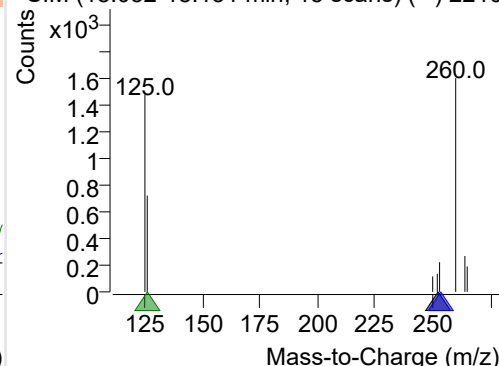
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 221007-PAHs-021.D

252.0, 253.0, 126.0



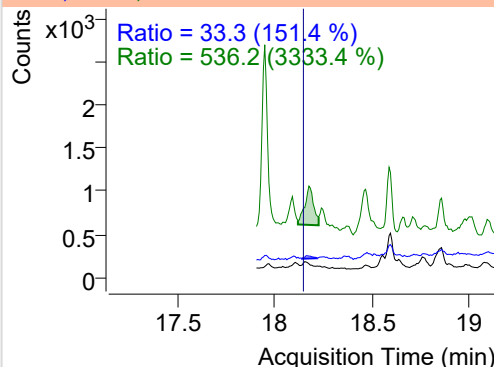
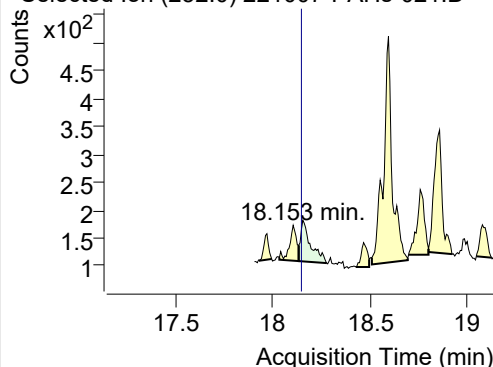
+ SIM (18.032-18.131 min, 15 scans) (**) 2210



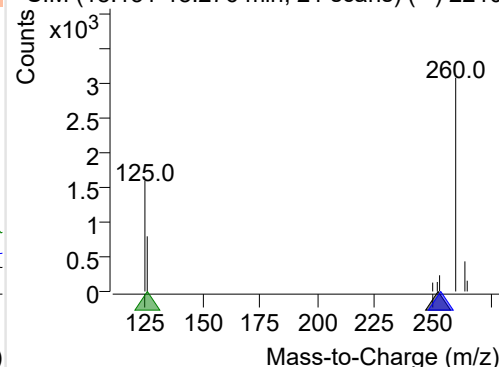
Benzo(k)fluoranthene

+ Selected Ion (252.0) 221007-PAHs-021.D

252.0, 253.0, 126.0

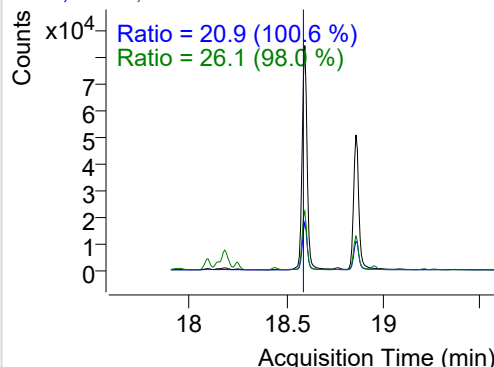
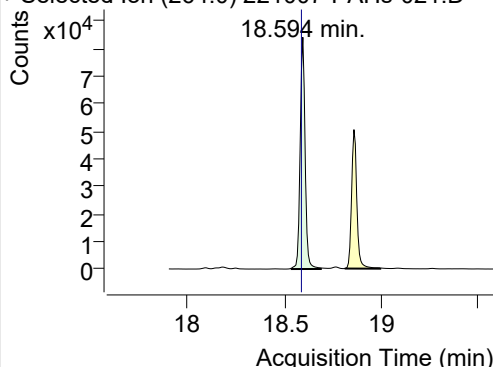


+ SIM (18.131-18.276 min, 21 scans) (**) 2210

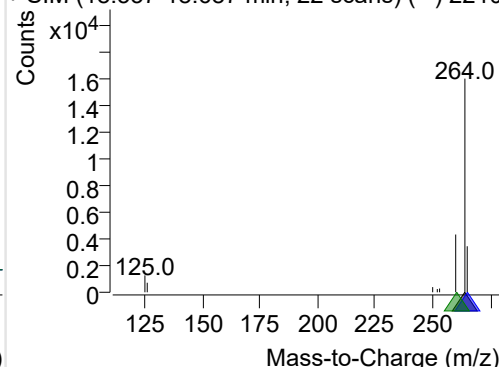
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 221007-PAHs-021.D

264.0, 265.0, 260.0

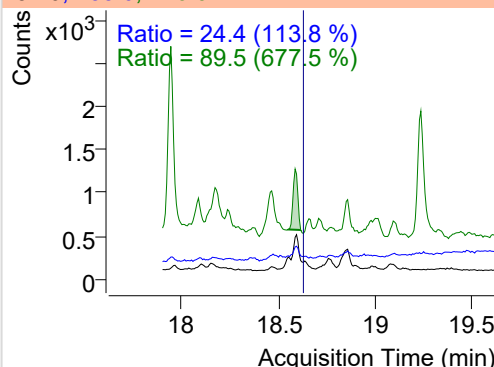
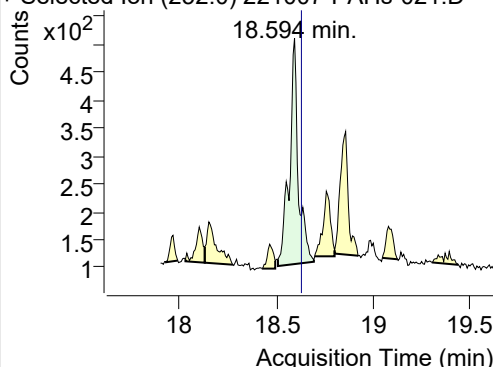


+ SIM (18.537-18.687 min, 22 scans) (**) 2210

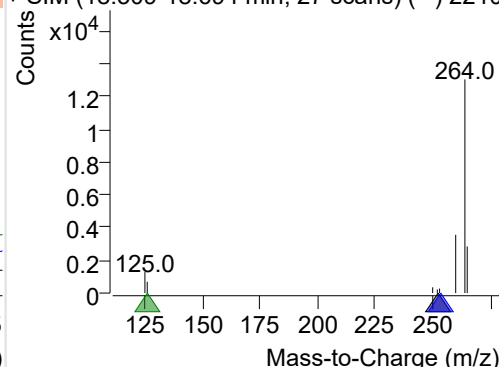
**Benzo(e)pyrene**

+ Selected Ion (252.0) 221007-PAHs-021.D

252.0, 253.0, 126.0

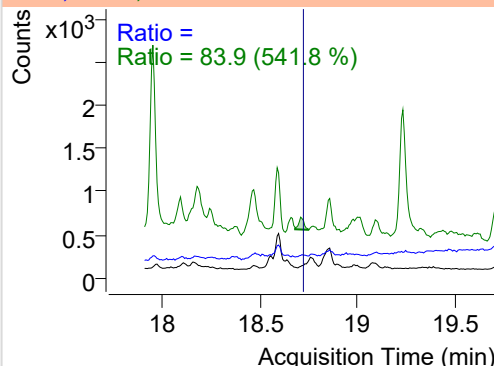
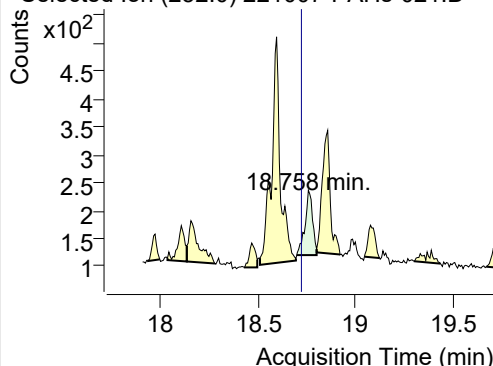


+ SIM (18.509-18.694 min, 27 scans) (**) 2210

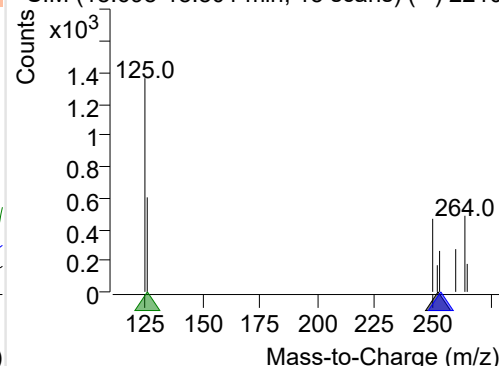
**Benzo(a)pyrene**

+ Selected Ion (252.0) 221007-PAHs-021.D

252.0, 253.0, 126.0

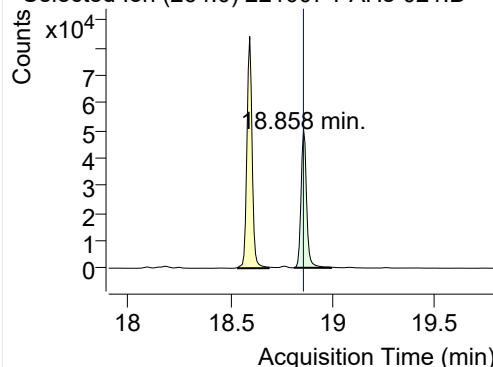


+ SIM (18.698-18.801 min, 15 scans) (**) 2210

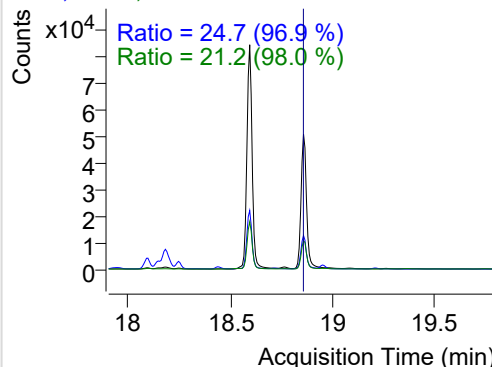


IS-D12-Perylene

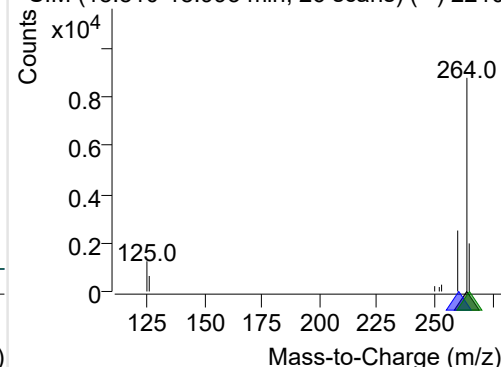
+ Selected Ion (264.0) 221007-PAHs-021.D



264.0, 260.0, 265.0

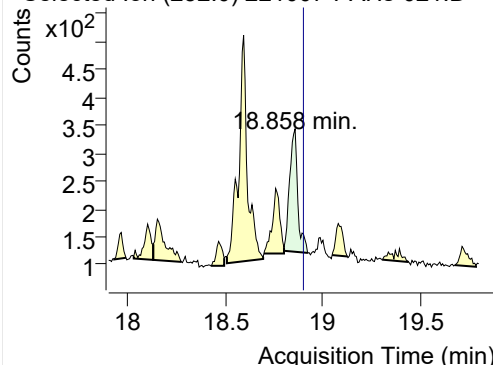


+ SIM (18.810-18.993 min, 26 scans) (**) 2210

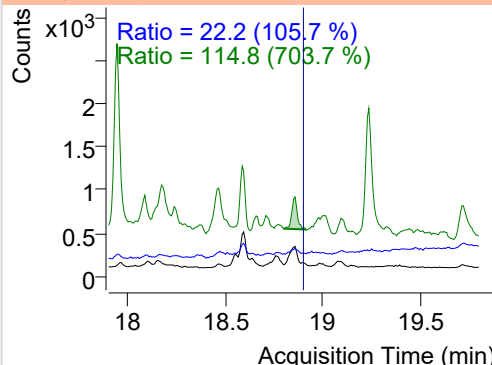


Perylene

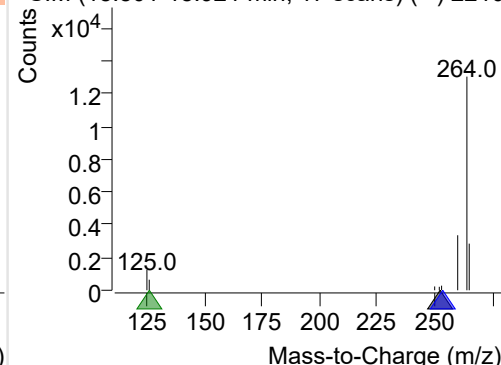
+ Selected Ion (252.0) 221007-PAHs-021.D



252.0, 253.0, 126.0

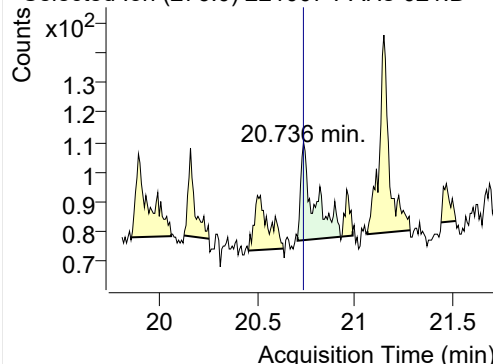


+ SIM (18.801-18.921 min, 17 scans) (**) 2210

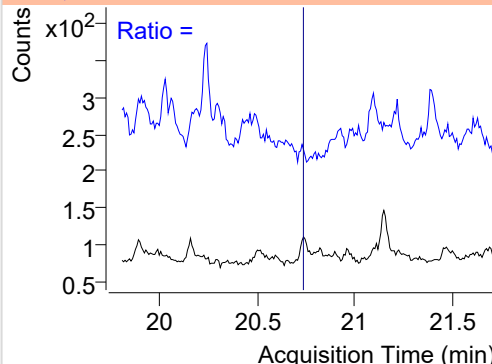


Indeno(1,2,3-c,d)pyrene

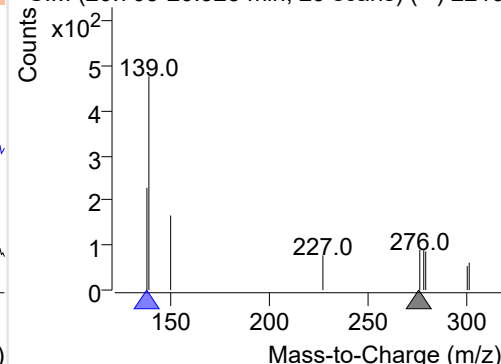
+ Selected Ion (276.0) 221007-PAHs-021.D



276.0, 138.0

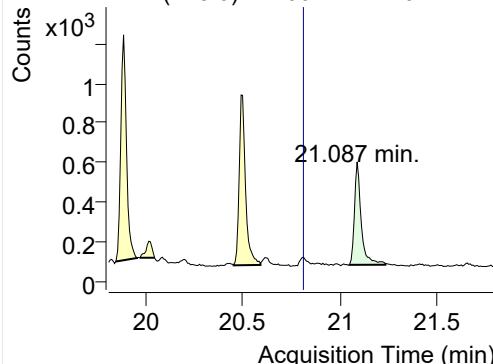


+ SIM (20.705-20.925 min, 29 scans) (**) 2210

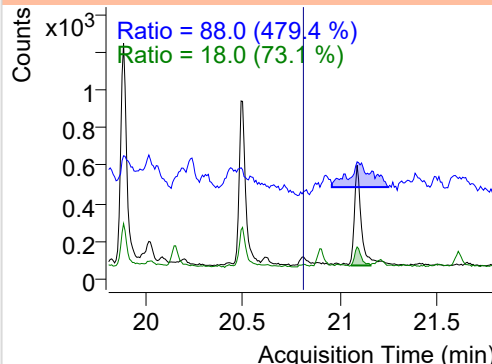


Dibenz(a,h)anthracene

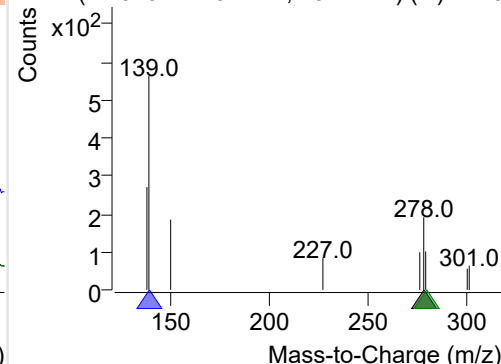
+ Selected Ion (278.0) 221007-PAHs-021.D



278.0, 139.0, 279.0

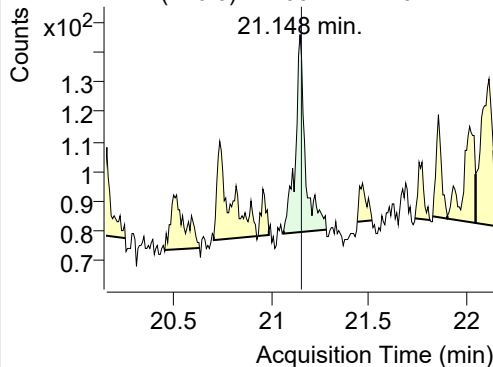


+ SIM (21.045-21.232 min, 25 scans) (**) 2210

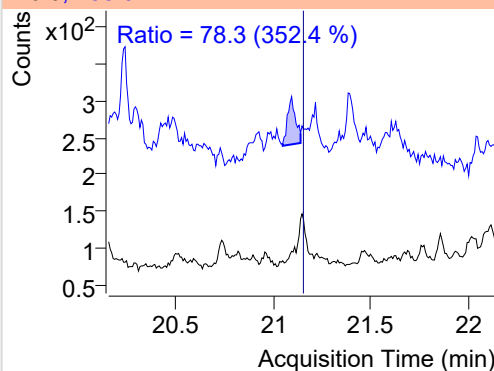


Benzo(g,h,i)perylene

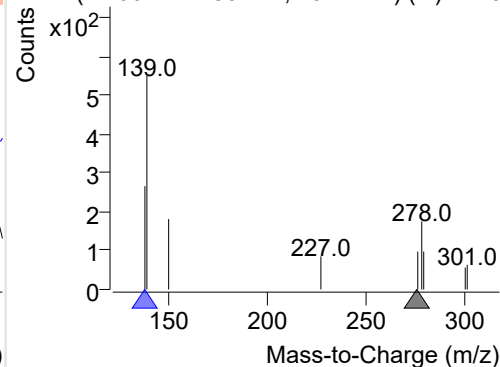
+ Selected Ion (276.0) 221007-PAHs-021.D



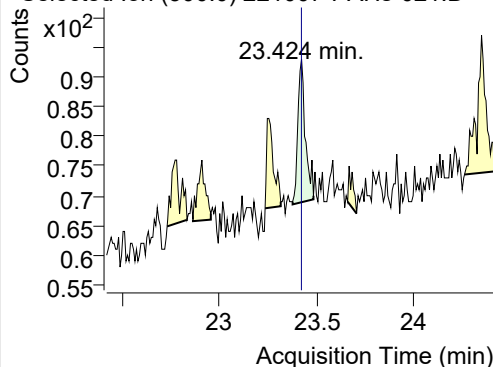
276.0, 138.0



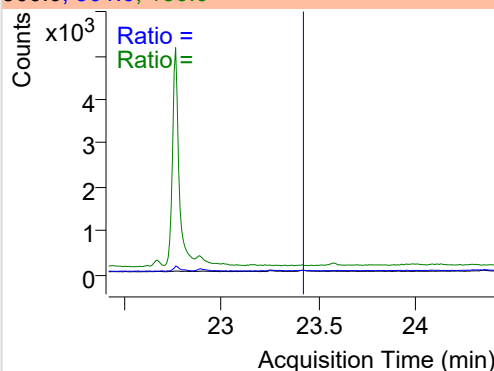
+ SIM (21.064-21.283 min, 29 scans) (**) 2210

**Coronene**

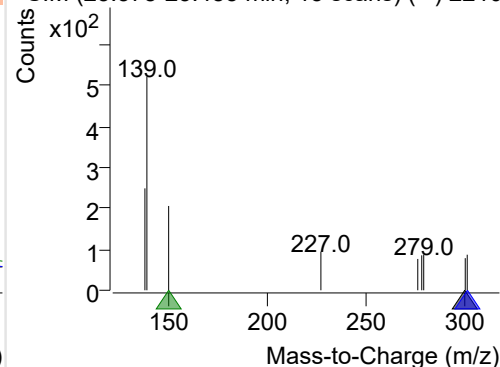
+ Selected Ion (300.0) 221007-PAHs-021.D



300.0, 301.0, 150.0



+ SIM (23.378-23.485 min, 15 scans) (**) 2210



Quantitative Analysis Sample Based Report

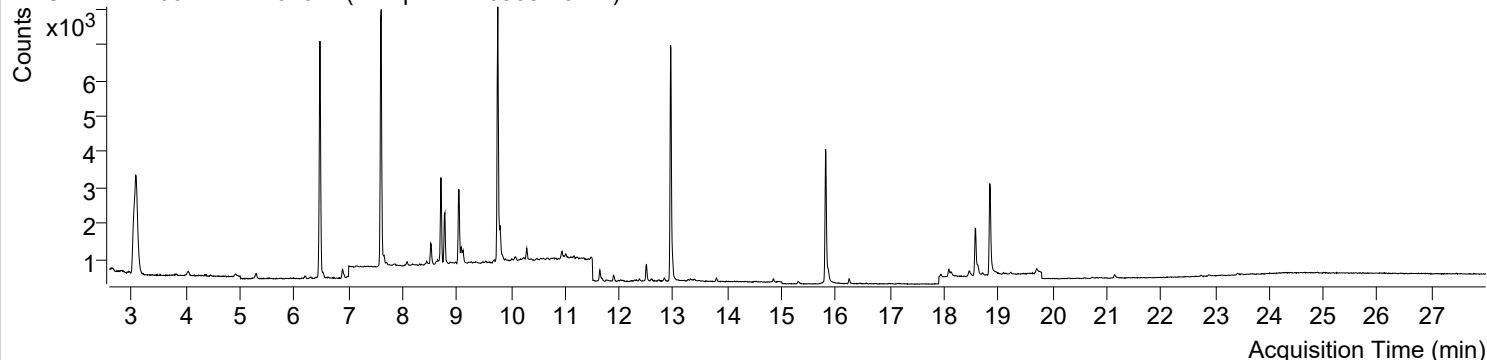


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 10:51:07	Data File	221007-PAHs-023.D
Type	Sample	Name	Sample-PM-0908-10DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

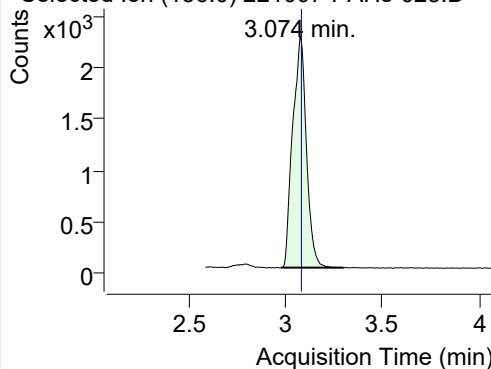
+ TIC SIM 221007-PAHs-023.D (Sample-PM-0908-10DIL)



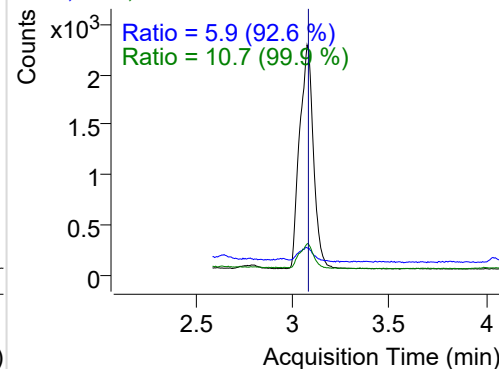
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	10989	2238.42	ND ng/ml	10.7
Naphthalene	3.101	128.0	792	172.27	ND ng/ml	10.7
Acenaphthylene	6.191	152.0	43	13.60	ND ng/ml	59.0
IS-D10-Acenaphthene	6.475	164.0	5713	3125.97	ND ng/ml	101.1
Acenaphthene	6.540	154.0	51	33.59	ND ng/ml	119.1
LSS-D10-Fluorene	7.606	176.0	5962	3287.98	ND ng/ml	95.4
Fluorene	7.659	166.0	173	88.88	ND ng/ml	91.0
IS-D10-Phenanthrene	9.759	188.0	9808	5689.34	ND ng/ml	15.5
Phenanthrene	9.801	178.0	970	502.66	ND ng/ml	19.7
Anthracene	9.801	178.0	970	502.66	ND ng/ml	19.7
Fluoranthene	12.505	202.0	617	344.41	ND ng/ml	19.5
LSS-D10-Pyrene	12.949	212.0	8475	4846.01	ND ng/ml	17.9
Pyrene	12.981	202.0	655	347.41	ND ng/ml	23.3
Benz(a)anthracene	15.768	228.0	99	37.33	ND ng/ml	60.0
IS-D12-Chrysene	15.811	240.0	5488	2783.06	ND ng/ml	18.8
Chrysene	15.860	228.0	360	145.33	ND ng/ml	27.9
Benzo(b)fluoranthene	18.089	252.0	452	112.15	ND ng/ml	20.4
Benzo(k)fluoranthene	18.089	252.0	452	112.15	ND ng/ml	20.4
SS-D12-Benzo(e)pyrene	18.573	264.0	1923	882.30	ND ng/ml	26.9
Benzo(e)pyrene	18.623	252.0	243	114.75	ND ng/ml	18.2
Benzo(a)pyrene	18.715	252.0	63	29.95	ND ng/ml	
IS-D12-Perylene	18.843	264.0	3917	1727.32	ND ng/ml	25.2
Perylene	18.893	252.0	23	7.34	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	20.736	276.0	116	30.53	ND ng/ml	
Dibenz(a,h)anthracene	20.812	278.0	45	11.81	ND ng/ml	
Benzo(g,h,i)perylene	21.148	276.0	184	67.39	ND ng/ml	22.4
Coronene	23.416	300.0	72	23.13	ND ng/ml	

IS-D8-Naphthalene

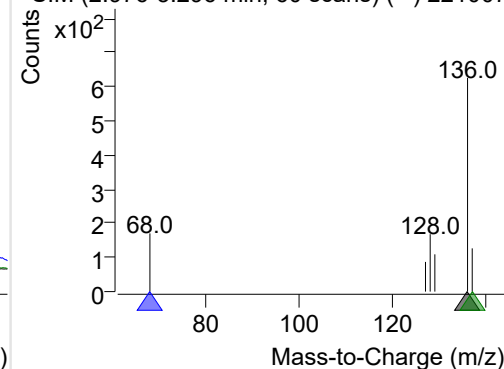
+ Selected Ion (136.0) 221007-PAHs-023.D



136.0, 68.0, 137.0

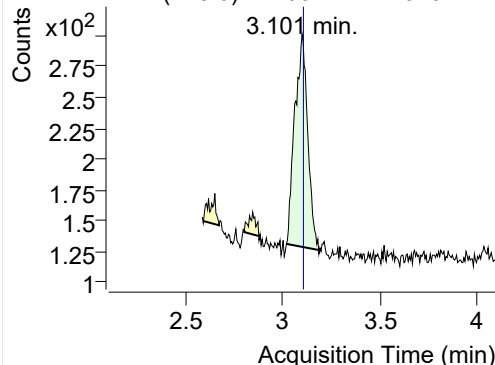


+ SIM (2.976-3.296 min, 60 scans) (**) 221007

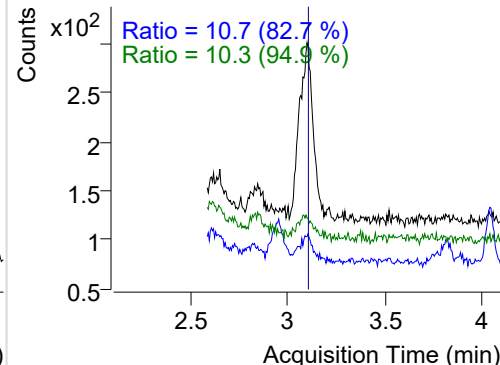


Naphthalene

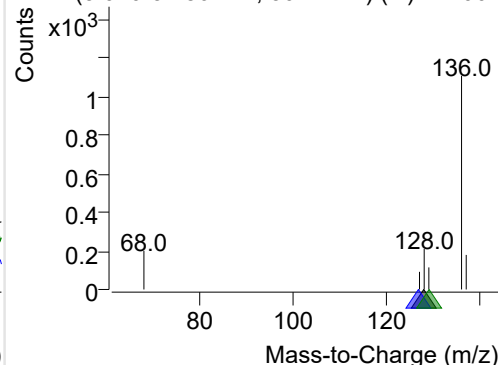
+ Selected Ion (128.0) 221007-PAHs-023.D



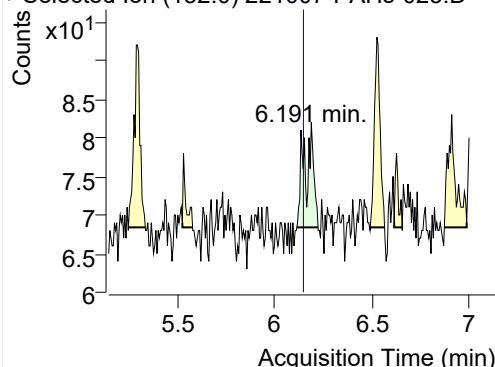
128.0, 127.0, 129.0



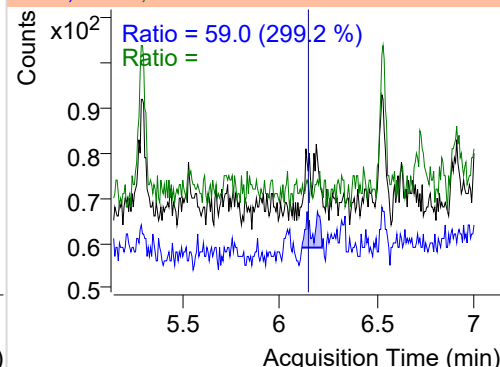
+ SIM (3.020-3.186 min, 30 scans) (**) 221007

**Acenaphthylene**

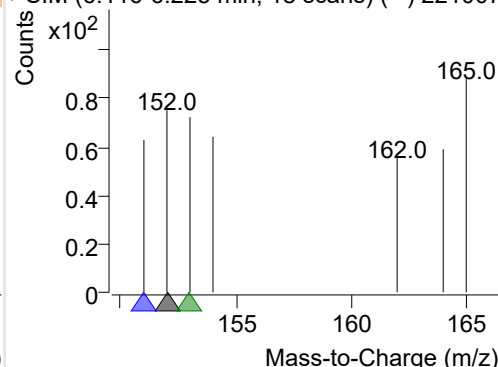
+ Selected Ion (152.0) 221007-PAHs-023.D



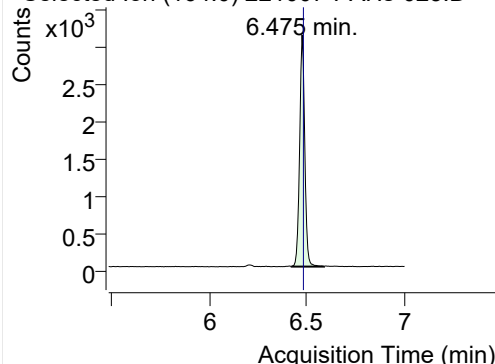
152.0, 151.0, 153.0



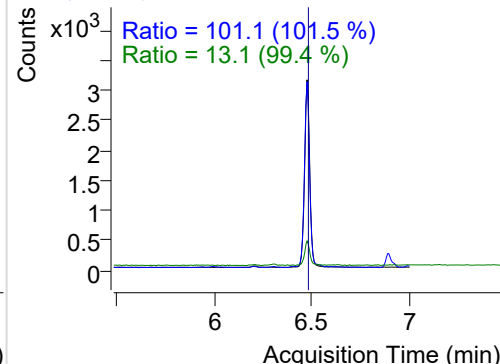
+ SIM (6.116-6.225 min, 18 scans) (**) 221007

**IS-D10-Acenaphthene**

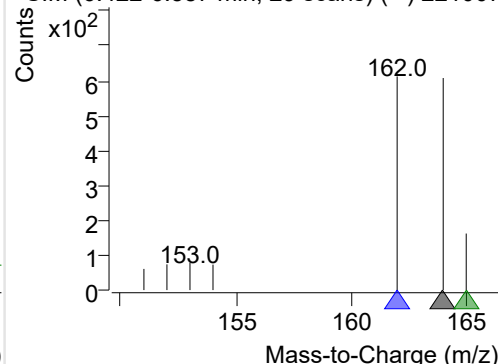
+ Selected Ion (164.0) 221007-PAHs-023.D



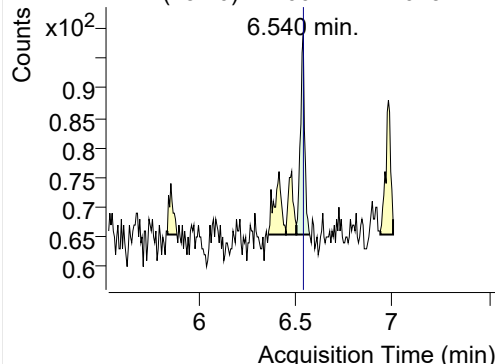
164.0, 162.0, 165.0



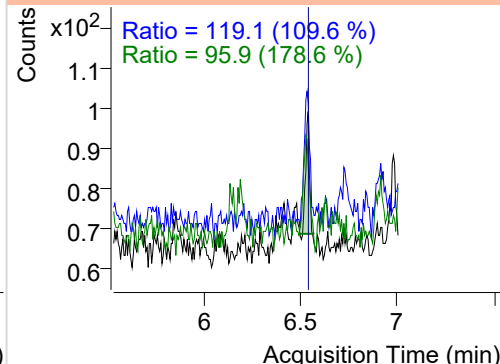
+ SIM (6.422-6.587 min, 29 scans) (**) 221007

**Acenaphthene**

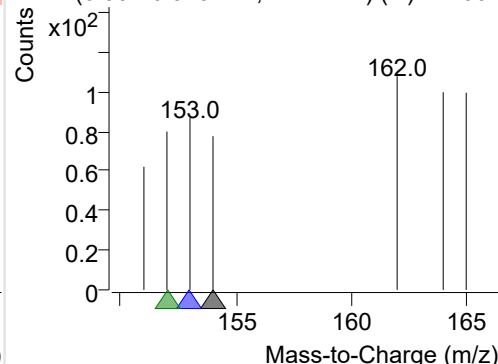
+ Selected Ion (154.0) 221007-PAHs-023.D



154.0, 153.0, 152.0

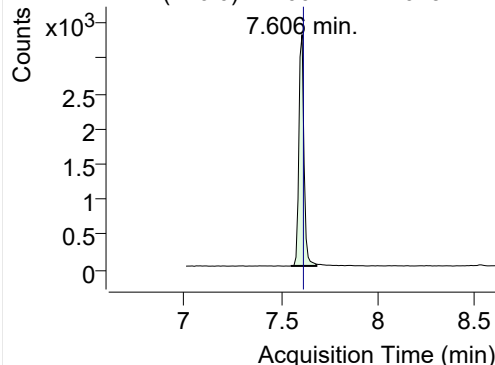


+ SIM (6.504-6.573 min, 12 scans) (**) 221007

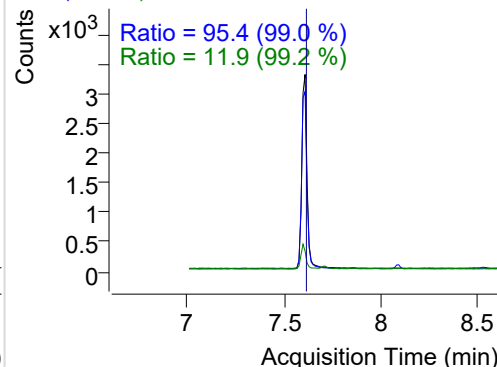


LSS-D10-Fluorene

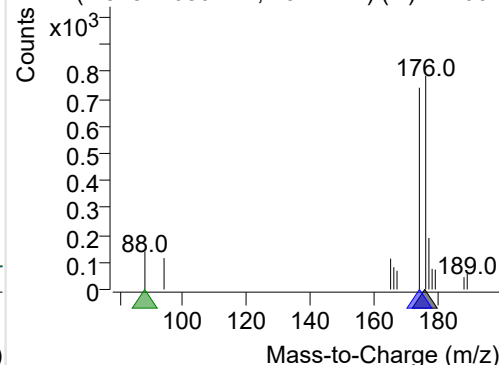
+ Selected Ion (176.0) 221007-PAHs-023.D



176.0, 174.0, 88.0

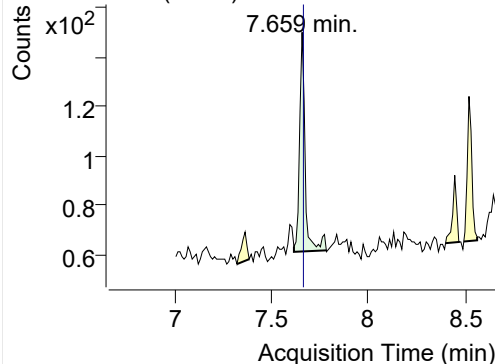


+ SIM (7.548-7.680 min, 13 scans) (**) 221007

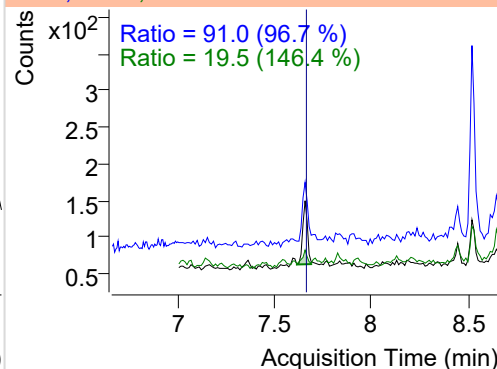


Fluorene

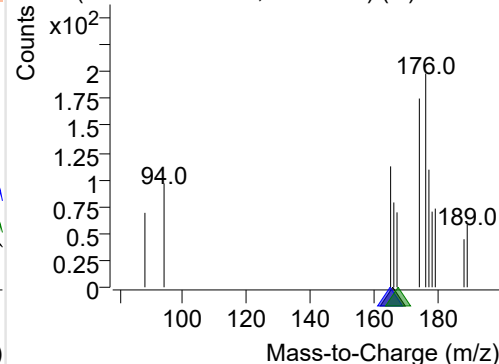
+ Selected Ion (166.0) 221007-PAHs-023.D



166.0, 165.0, 167.0

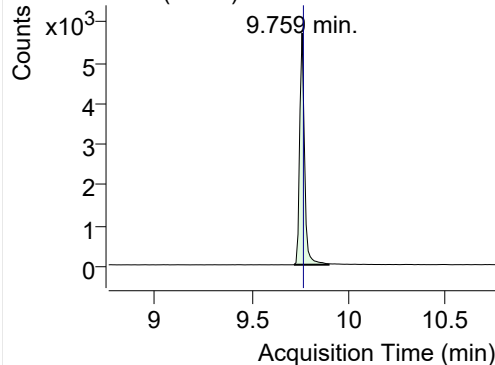


+ SIM (7.617-7.784 min, 16 scans) (**) 221007

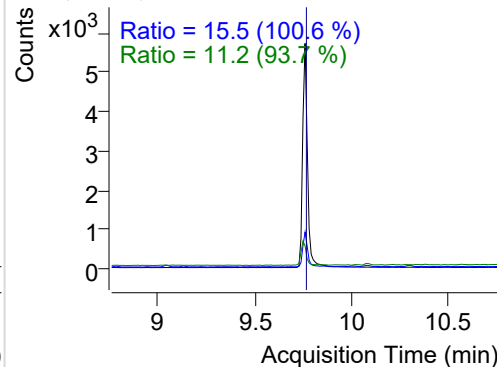


IS-D10-Phenanthrene

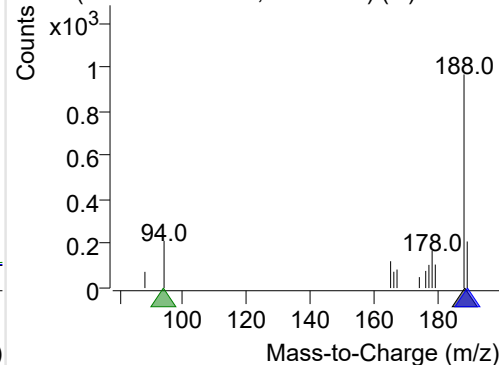
+ Selected Ion (188.0) 221007-PAHs-023.D



188.0, 189.0, 94.0

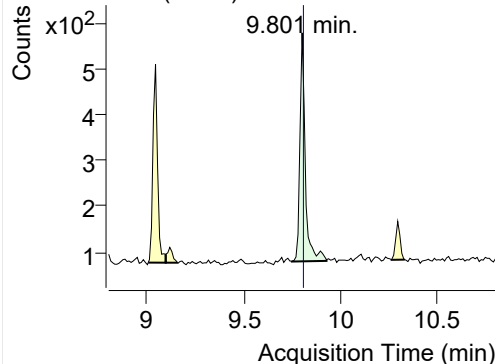


+ SIM (9.717-9.895 min, 17 scans) (**) 221007

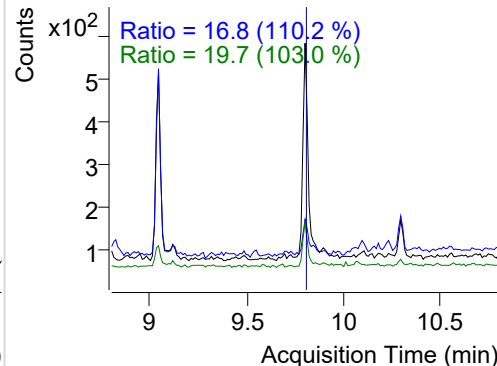


Phenanthrene

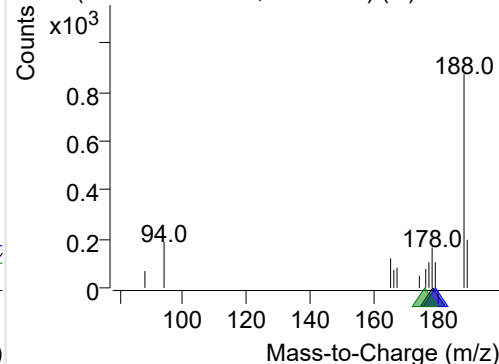
+ Selected Ion (178.0) 221007-PAHs-023.D



178.0, 179.0, 176.0

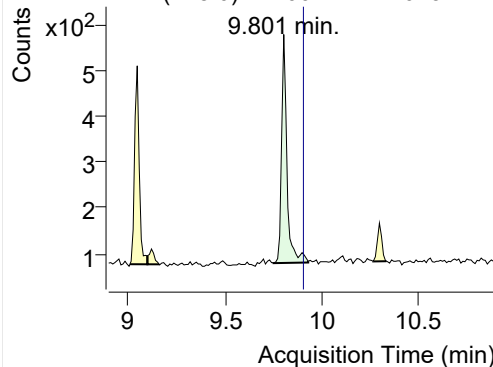


+ SIM (9.748-9.927 min, 18 scans) (**) 221007

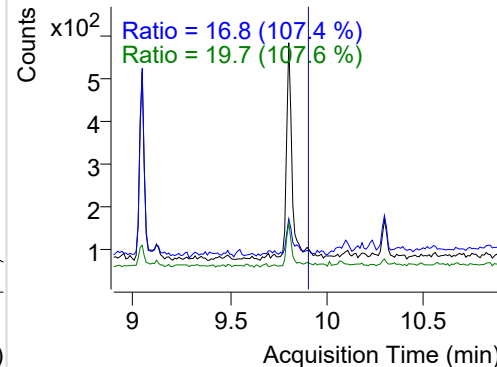


Anthracene

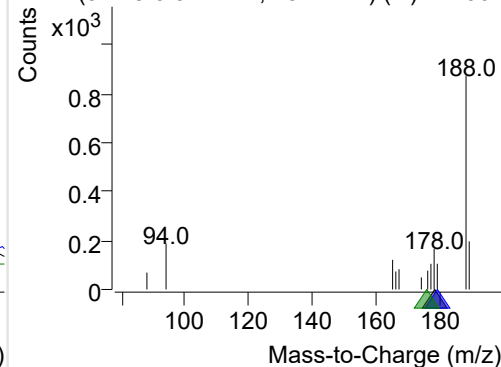
+ Selected Ion (178.0) 221007-PAHs-023.D



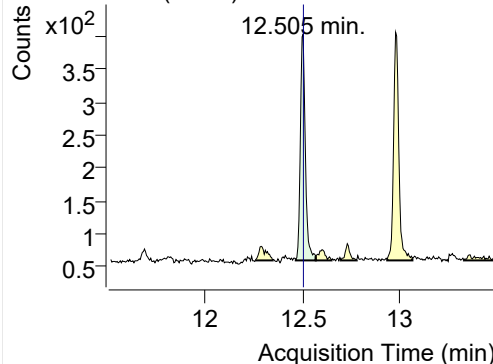
178.0, 179.0, 176.0



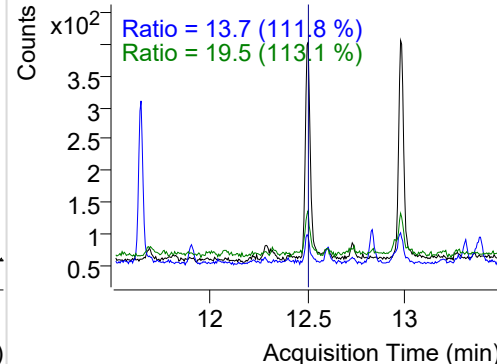
+ SIM (9.748-9.927 min, 18 scans) (**) 221007

**Fluoranthene**

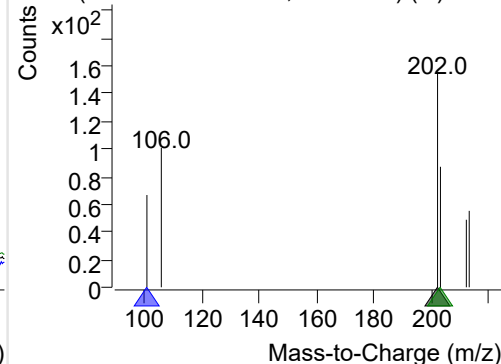
+ Selected Ion (202.0) 221007-PAHs-023.D



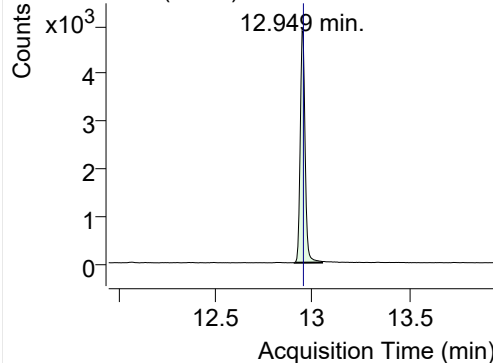
202.0, 101.0, 203.0



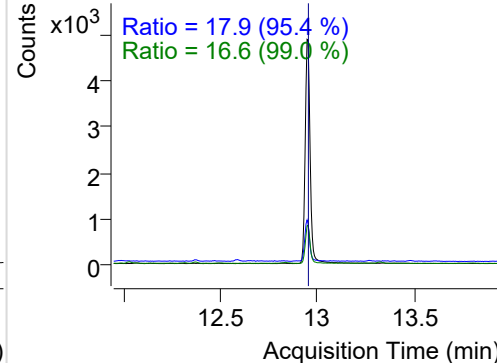
+ SIM (12.467-12.570 min, 20 scans) (**) 2210

**LSS-D10-Pyrene**

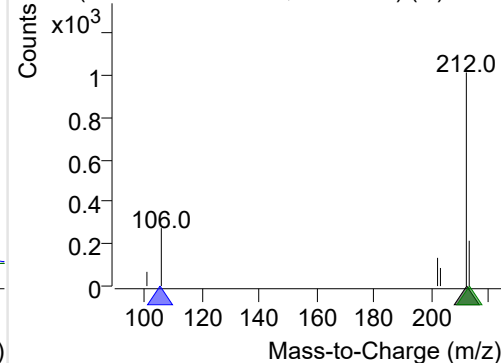
+ Selected Ion (212.0) 221007-PAHs-023.D



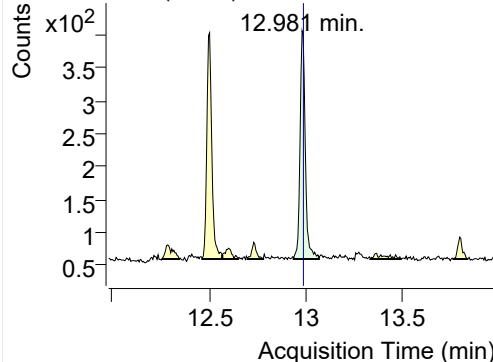
212.0, 106.0, 213.0



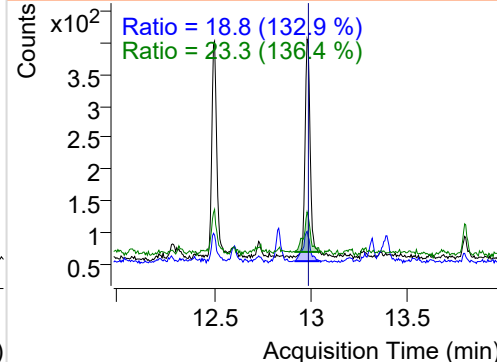
+ SIM (12.911-13.052 min, 27 scans) (**) 2210

**Pyrene**

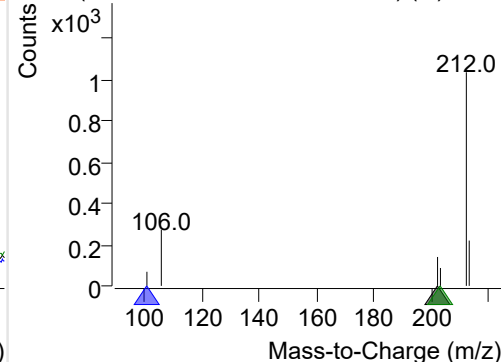
+ Selected Ion (202.0) 221007-PAHs-023.D



202.0, 101.0, 203.0



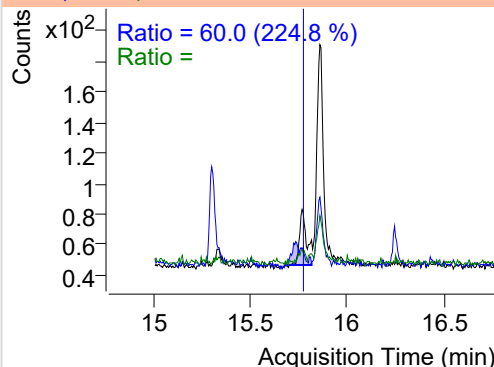
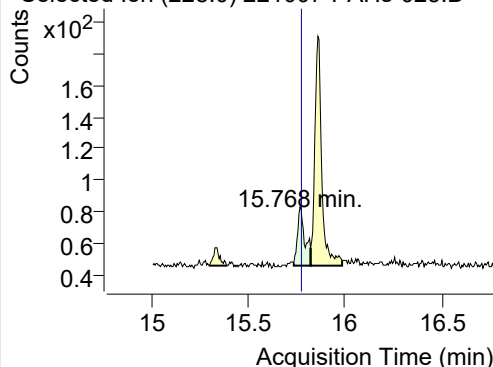
+ SIM (12.938-13.068 min, 25 scans) (**) 2210



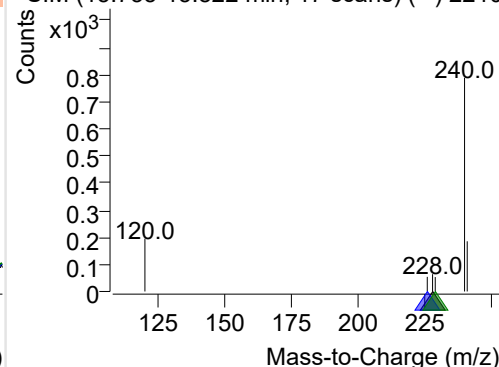
Benz(a)anthracene

+ Selected Ion (228.0) 221007-PAHs-023.D

228.0, 226.0, 229.0

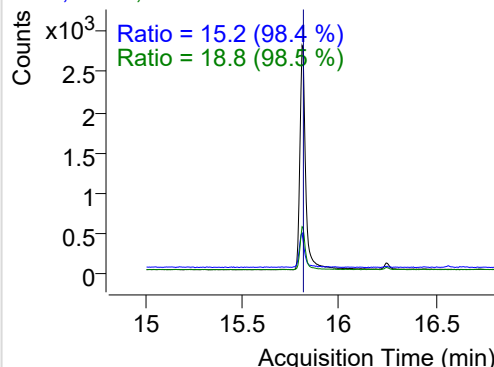
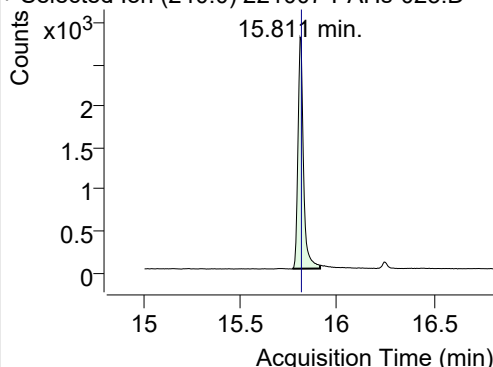


+ SIM (15.735-15.822 min, 17 scans) (**) 2210

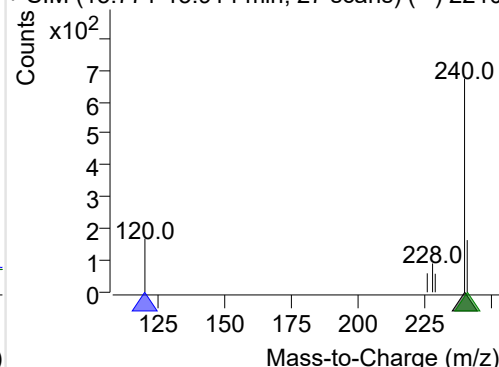
**IS-D12-Chrysene**

+ Selected Ion (240.0) 221007-PAHs-023.D

240.0, 120.0, 241.0

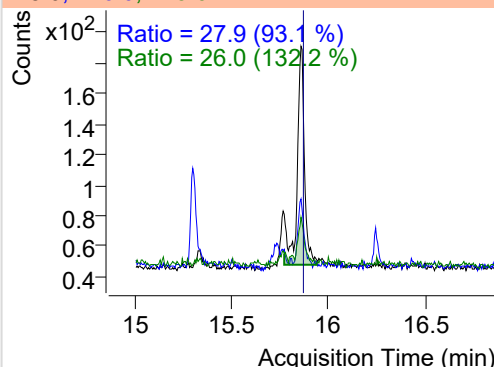
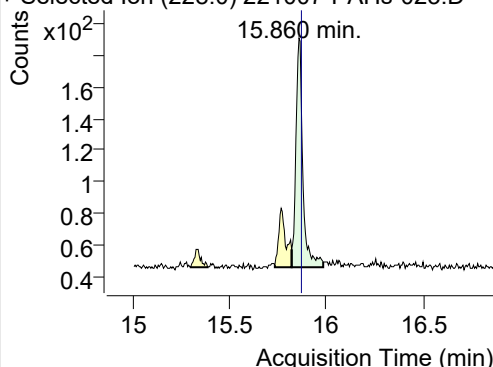


+ SIM (15.771-15.914 min, 27 scans) (**) 2210

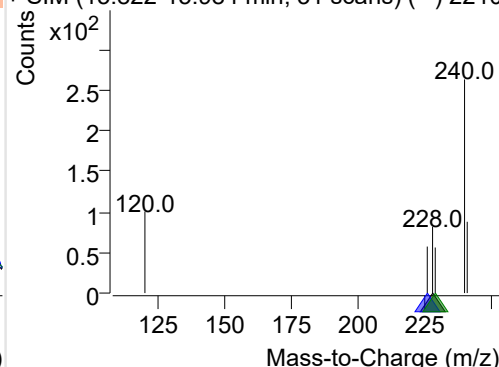
**Chrysene**

+ Selected Ion (228.0) 221007-PAHs-023.D

228.0, 226.0, 229.0

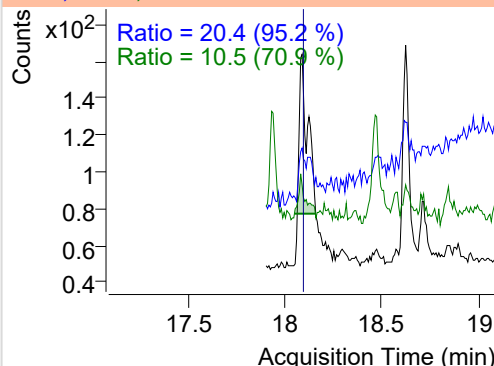
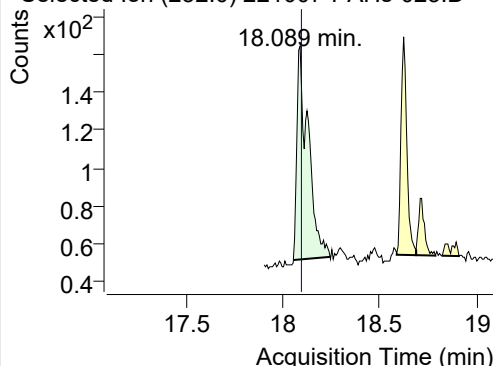


+ SIM (15.822-15.984 min, 31 scans) (**) 2210

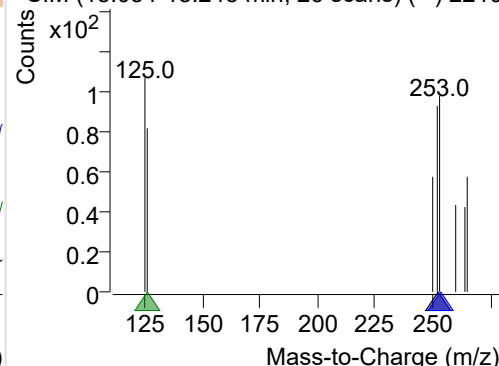
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 221007-PAHs-023.D

252.0, 253.0, 126.0



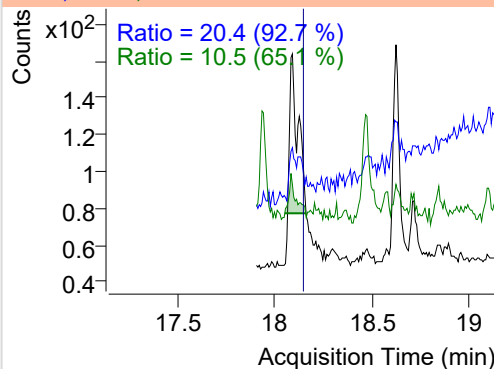
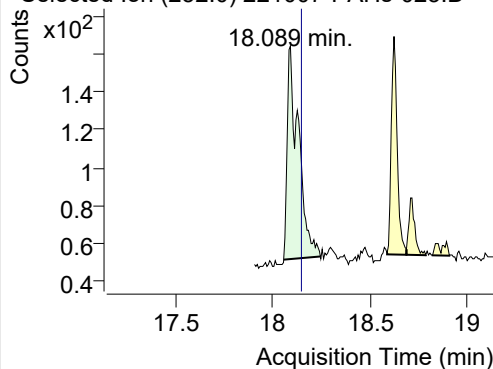
+ SIM (18.054-18.243 min, 26 scans) (**) 2210



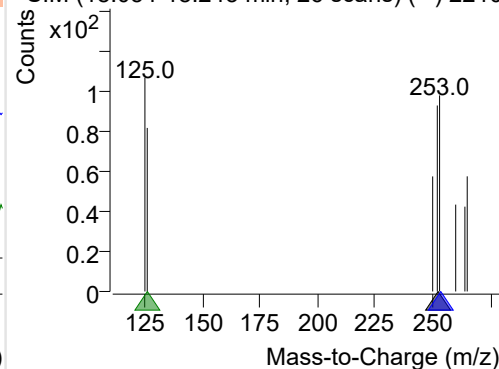
Benzo(k)fluoranthene

+ Selected Ion (252.0) 221007-PAHs-023.D

252.0, 253.0, 126.0

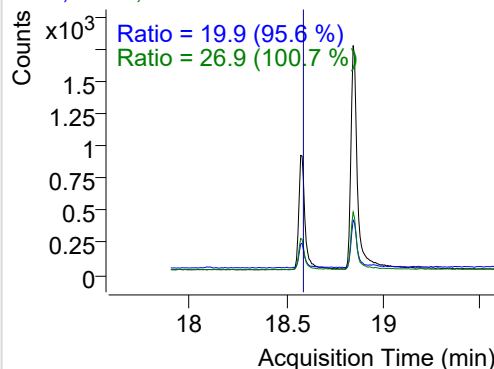
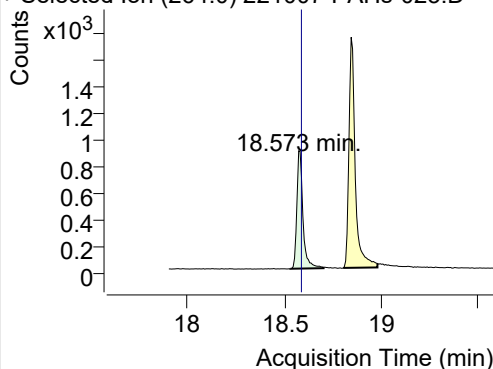


+ SIM (18.054-18.243 min, 26 scans) (**) 2210

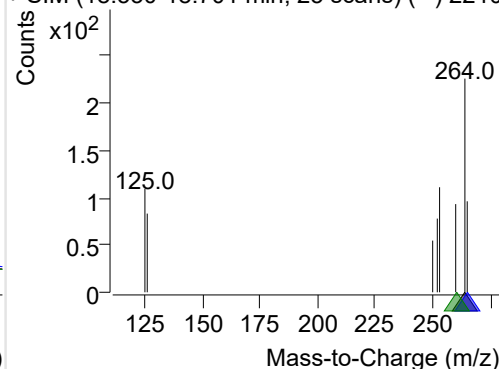
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 221007-PAHs-023.D

264.0, 265.0, 260.0

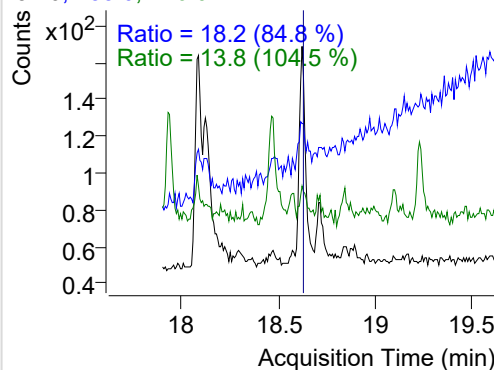
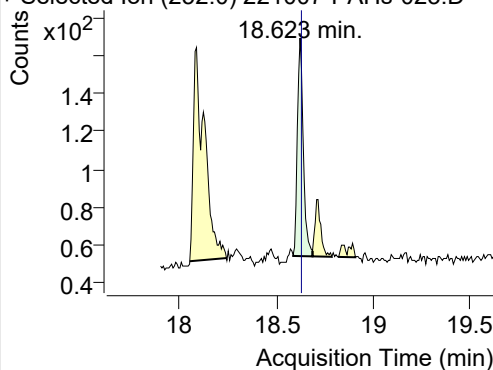


+ SIM (18.530-18.701 min, 25 scans) (**) 2210

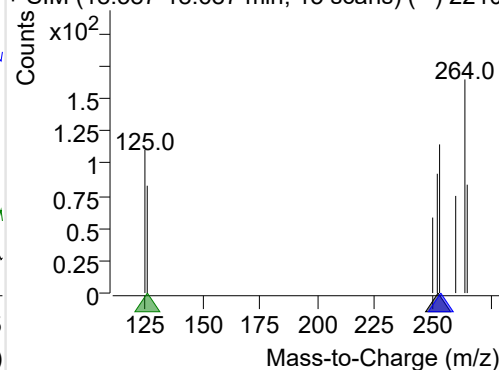
**Benzo(e)pyrene**

+ Selected Ion (252.0) 221007-PAHs-023.D

252.0, 253.0, 126.0

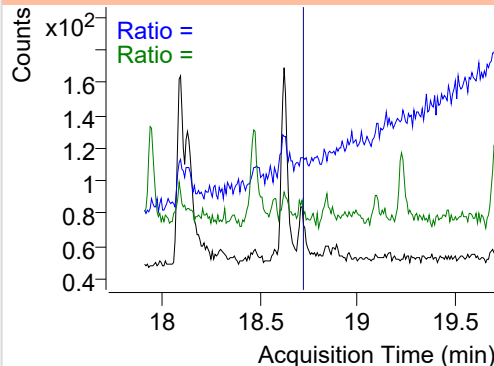
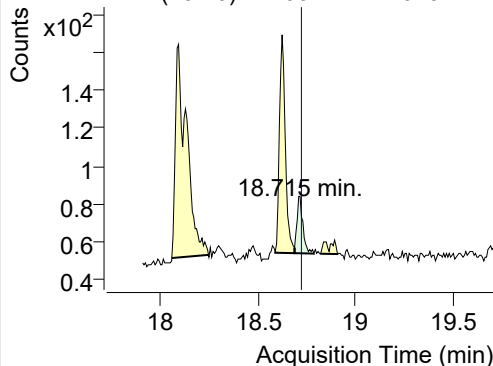


+ SIM (18.587-18.687 min, 15 scans) (**) 2210

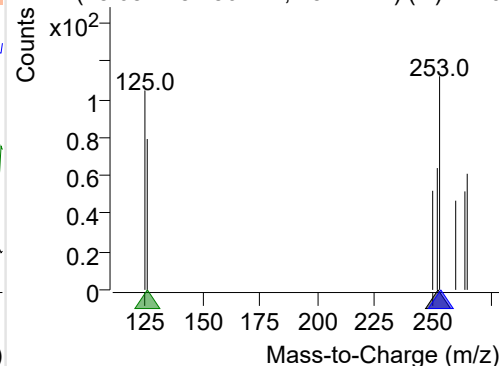
**Benzo(a)pyrene**

+ Selected Ion (252.0) 221007-PAHs-023.D

252.0, 253.0, 126.0

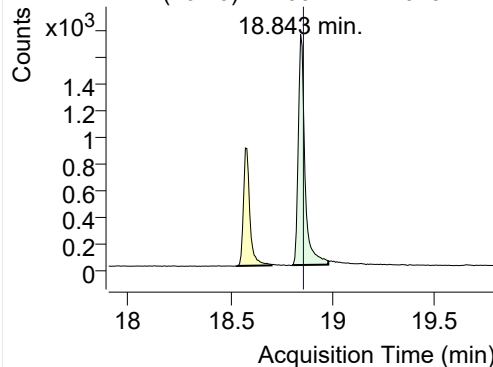


+ SIM (18.687-18.786 min, 15 scans) (**) 2210

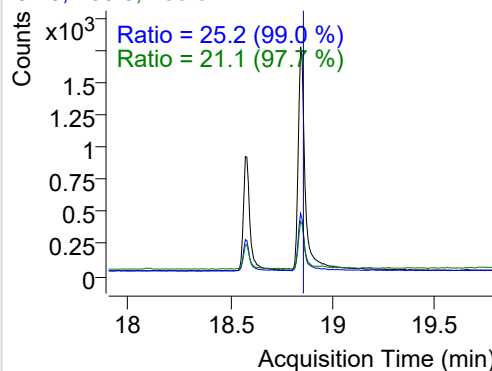


IS-D12-Perylene

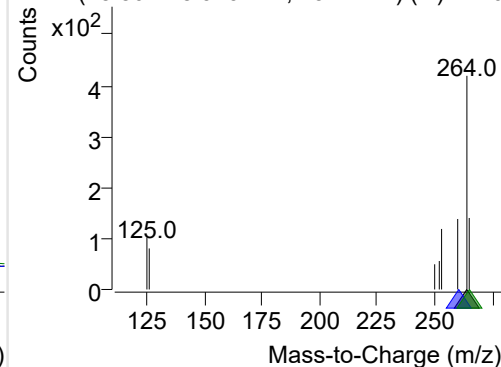
+ Selected Ion (264.0) 221007-PAHs-023.D



264.0, 260.0, 265.0

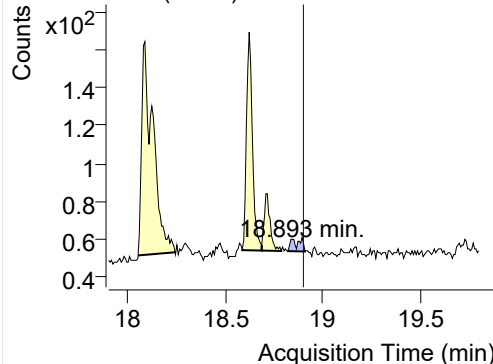


+ SIM (18.802-18.979 min, 25 scans) (**) 2210

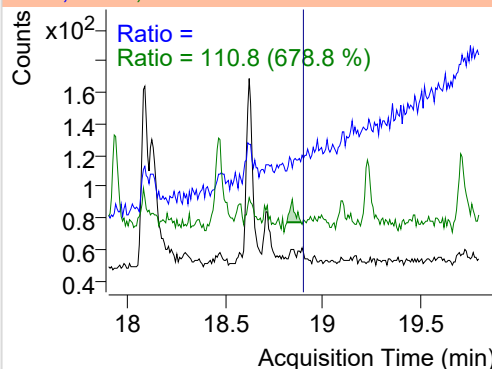


Perylene

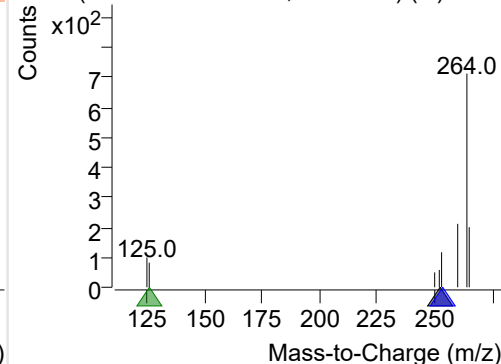
+ Selected Ion (252.0) 221007-PAHs-023.D



252.0, 253.0, 126.0

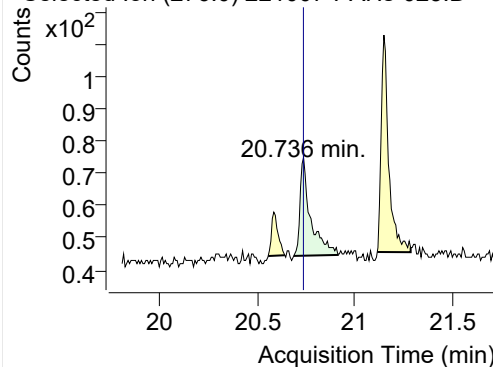


+ SIM (18.822-18.907 min, 13 scans) (**) 2210

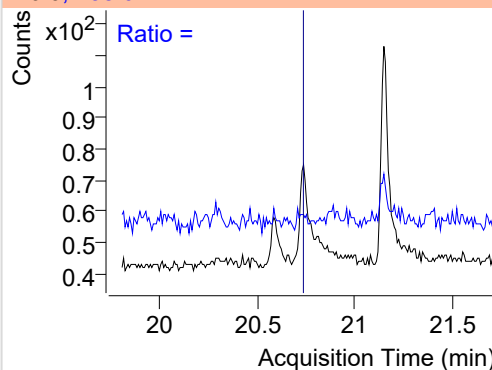


Indeno(1,2,3-c,d)pyrene

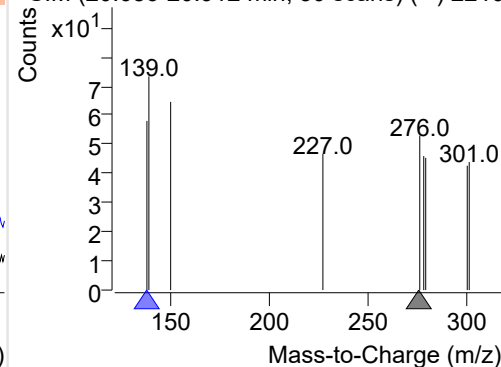
+ Selected Ion (276.0) 221007-PAHs-023.D



276.0, 138.0

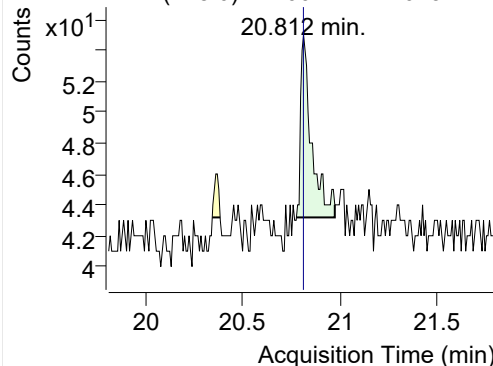


+ SIM (20.686-20.912 min, 30 scans) (**) 2210

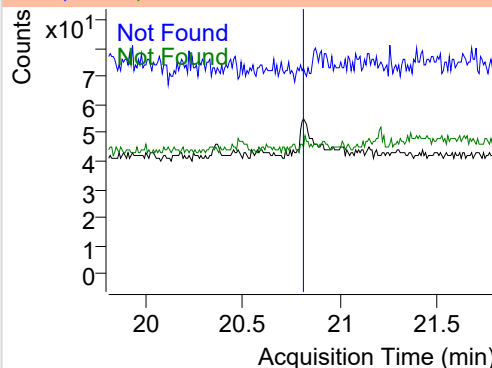


Dibenz(a,h)anthracene

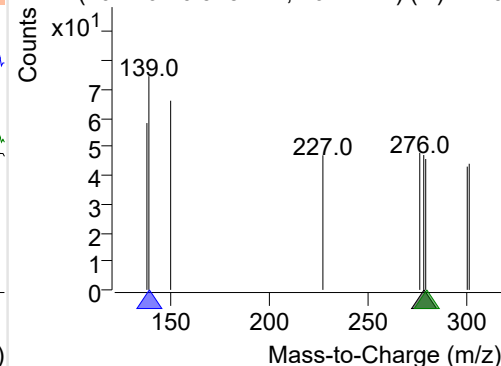
+ Selected Ion (278.0) 221007-PAHs-023.D



278.0, 139.0, 279.0

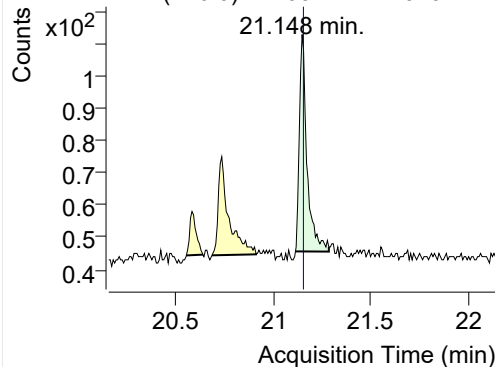


+ SIM (20.776-20.973 min, 26 scans) (**) 2210

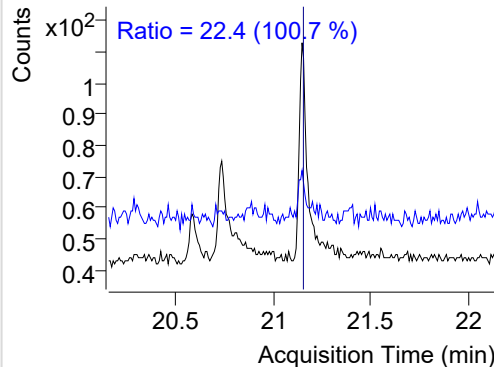


Benzo(g,h,i)perylene

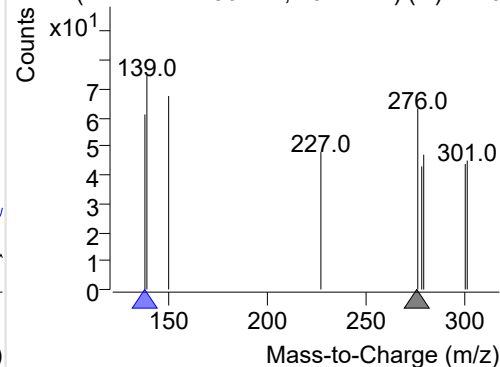
+ Selected Ion (276.0) 221007-PAHs-023.D



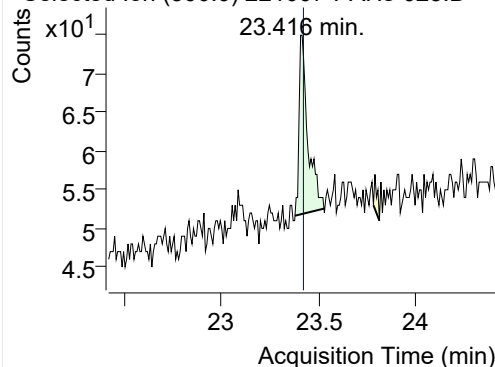
276.0, 138.0



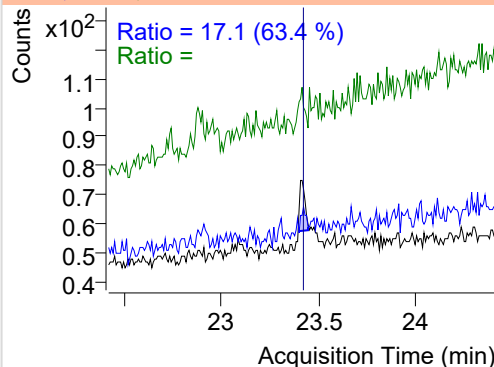
+ SIM (21.114-21.286 min, 23 scans) (**) 2210

**Coronene**

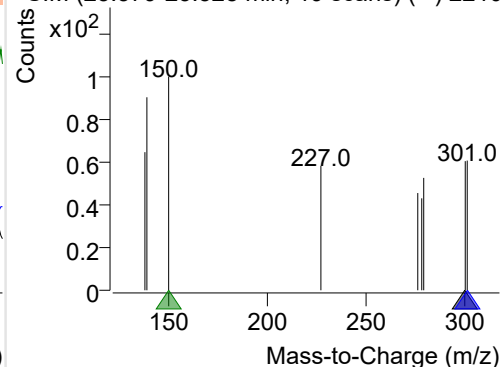
+ Selected Ion (300.0) 221007-PAHs-023.D



300.0, 301.0, 150.0



+ SIM (23.379-23.528 min, 19 scans) (**) 2210



Quantitative Analysis Sample Based Report

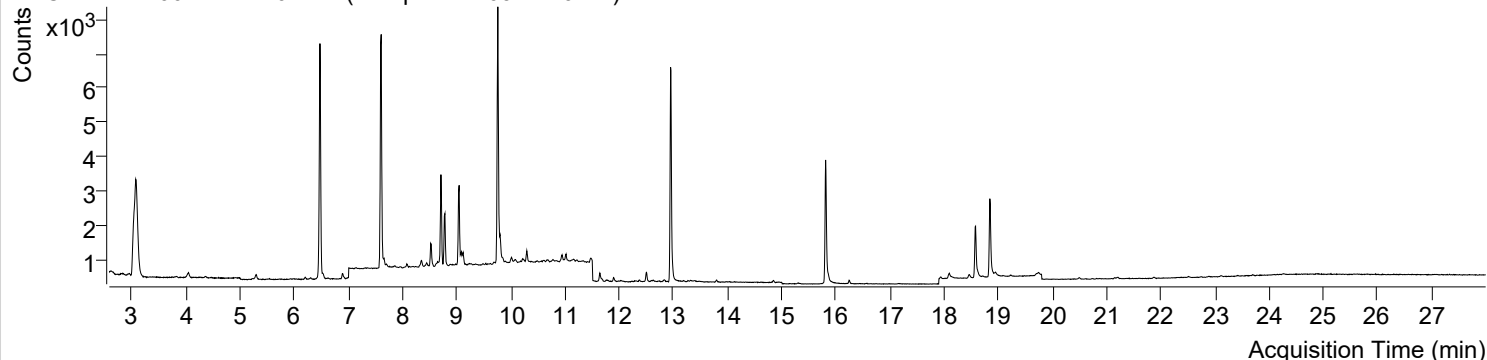


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 11:22:07	Data File	221007-PAHs-024.D
Type	Sample	Name	Sample-PM-0914-10DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

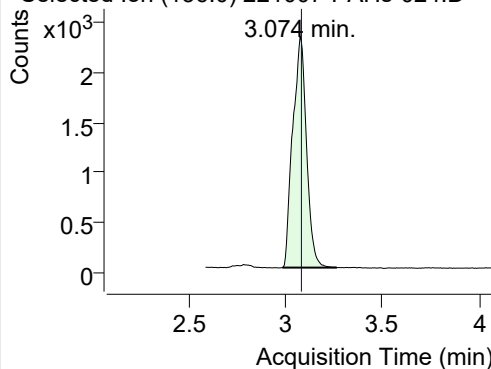
+ TIC SIM 221007-PAHs-024.D (Sample-PM-0914-10DIL)



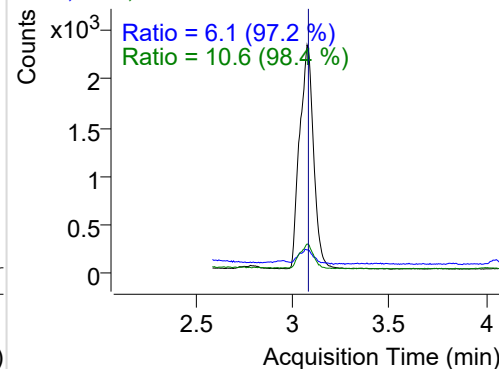
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	11279	2290.94	ND ng/ml	10.6
Naphthalene	3.112	128.0	849	172.56	ND ng/ml	12.3
Acenaphthylene	6.143	152.0	12	10.12	ND ng/ml	174.8
IS-D10-Acenaphthene	6.475	164.0	5927	3229.32	ND ng/ml	98.5
Acenaphthene	6.534	154.0	59	26.41	ND ng/ml	76.7
LSS-D10-Fluorene	7.606	176.0	5680	3080.74	ND ng/ml	96.1
Fluorene	7.659	166.0	143	78.60	ND ng/ml	101.2
IS-D10-Phenanthrene	9.759	188.0	10151	6023.57	ND ng/ml	14.9
Phenanthrene	9.801	178.0	720	373.86	ND ng/ml	19.3
Anthracene	9.801	178.0	720	373.86	ND ng/ml	19.3
Fluoranthene	12.505	202.0	363	204.69	ND ng/ml	22.6
LSS-D10-Pyrene	12.949	212.0	8011	4585.97	ND ng/ml	18.1
Pyrene	12.982	202.0	369	195.69	ND ng/ml	26.7
Benz(a)anthracene	15.768	228.0	33	18.32	ND ng/ml	75.0
IS-D12-Chrysene	15.811	240.0	5191	2692.27	ND ng/ml	19.1
Chrysene	15.860	228.0	200	72.32	ND ng/ml	24.6
Benzo(b)fluoranthene	18.096	252.0	86	44.71	ND ng/ml	75.3
Benzo(k)fluoranthene	18.132	252.0	81	27.71	ND ng/ml	
SS-D12-Benzo(e)pyrene	18.580	264.0	2128	997.60	ND ng/ml	26.6
Benzo(e)pyrene	18.630	252.0	91	39.71	ND ng/ml	13.9
Benzo(a)pyrene	18.722	252.0	34	13.71	ND ng/ml	
IS-D12-Perylene	18.843	264.0	3363	1546.92	ND ng/ml	25.5
Perylene	18.886	252.0	27	7.71	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	20.728	276.0	35	9.66	ND ng/ml	
Dibenz(a,h)anthracene	20.812	278.0	31	7.00	ND ng/ml	
Benzo(g,h,i)perylene	21.148	276.0	63	22.41	ND ng/ml	20.5
Coronene	23.424	300.0	20	8.30	ND ng/ml	

IS-D8-Naphthalene

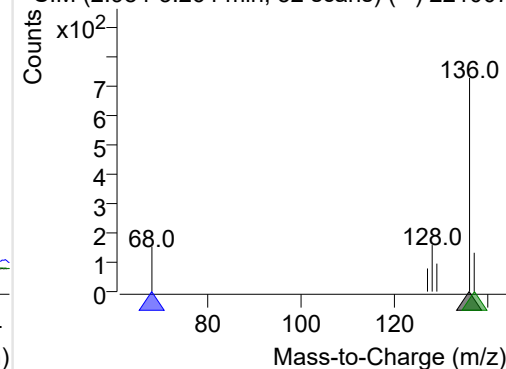
+ Selected Ion (136.0) 221007-PAHs-024.D



136.0, 68.0, 137.0

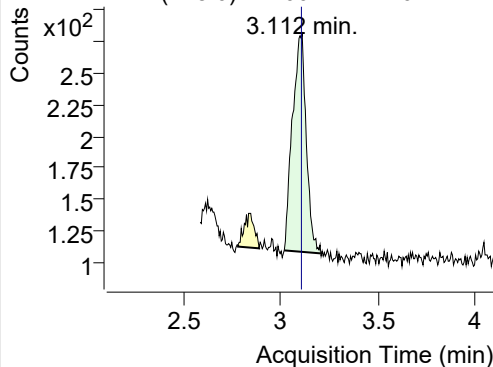


+ SIM (2.984-3.264 min, 52 scans) (**) 221007

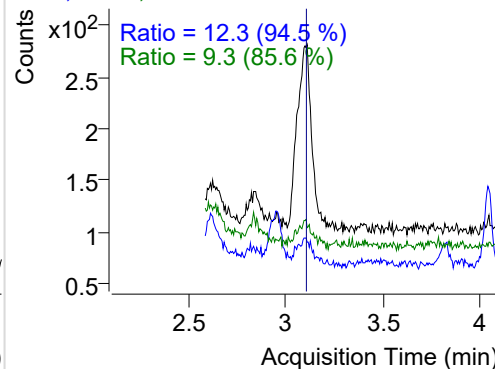


Naphthalene

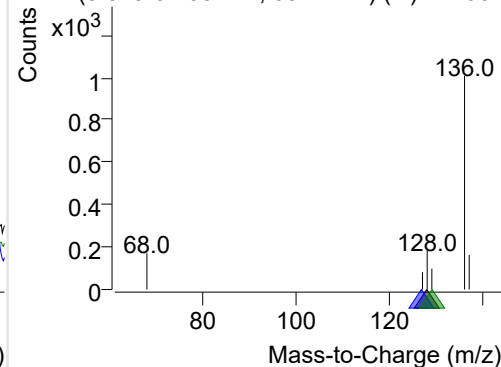
+ Selected Ion (128.0) 221007-PAHs-024.D



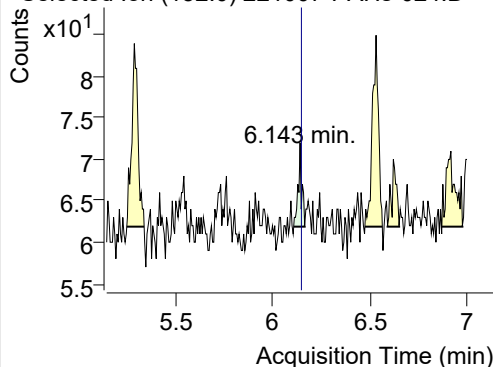
128.0, 127.0, 129.0



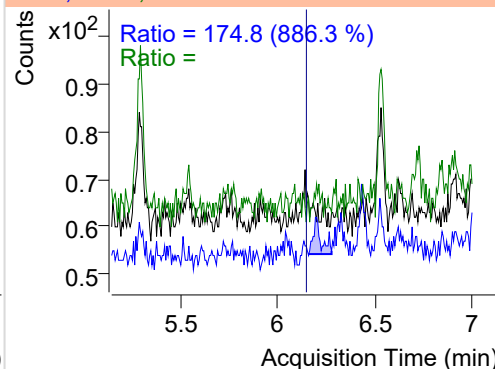
+ SIM (3.019-3.208 min, 35 scans) (**) 221007

**Acenaphthylene**

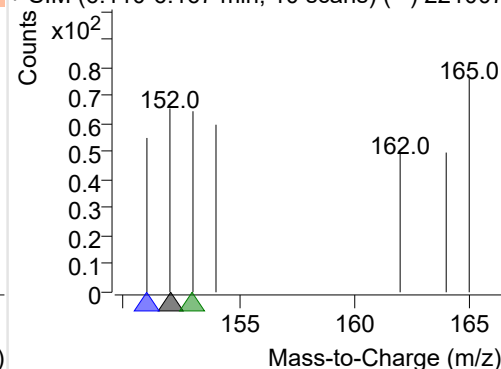
+ Selected Ion (152.0) 221007-PAHs-024.D



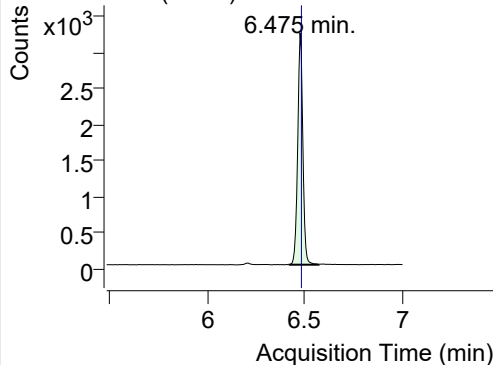
152.0, 151.0, 153.0



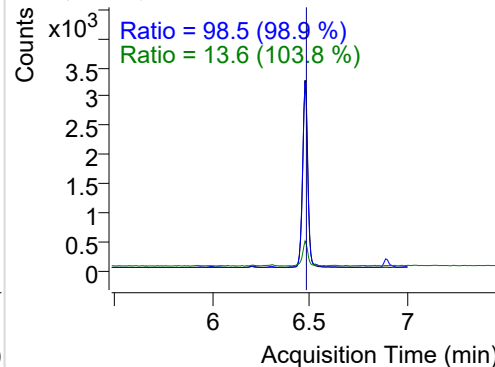
+ SIM (6.110-6.167 min, 10 scans) (**) 221007

**IS-D10-Acenaphthene**

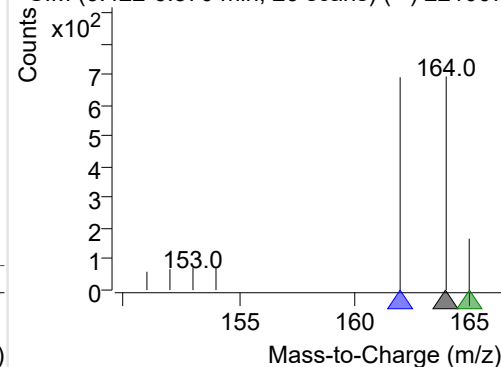
+ Selected Ion (164.0) 221007-PAHs-024.D



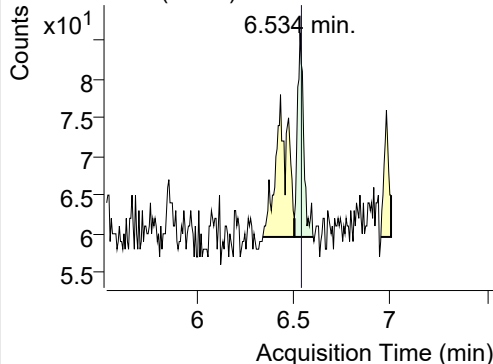
164.0, 162.0, 165.0



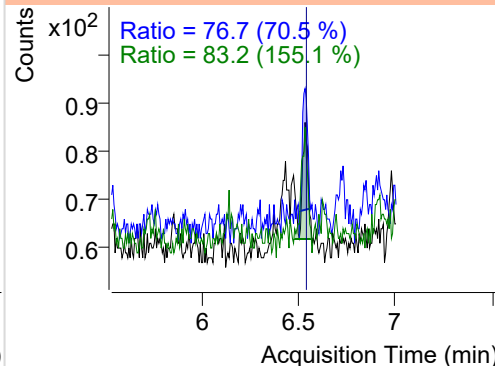
+ SIM (6.422-6.570 min, 26 scans) (**) 221007

**Acenaphthene**

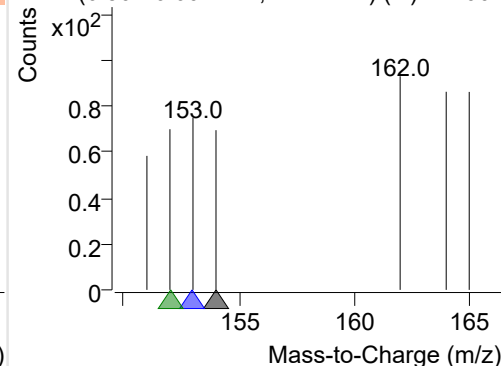
+ Selected Ion (154.0) 221007-PAHs-024.D



154.0, 153.0, 152.0

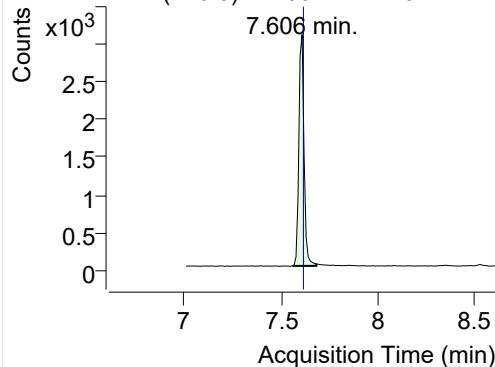


+ SIM (6.504-6.602 min, 17 scans) (**) 221007

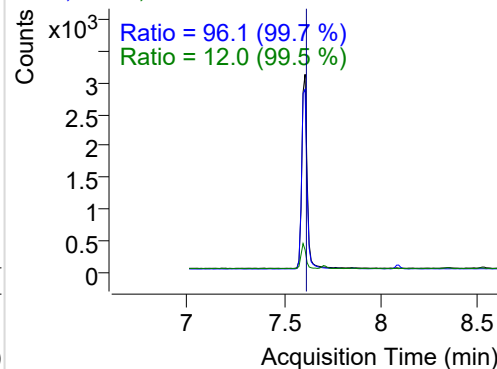


LSS-D10-Fluorene

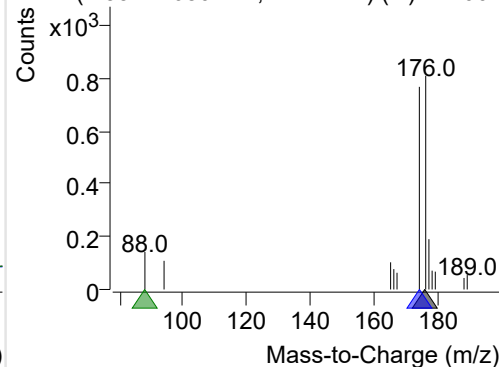
+ Selected Ion (176.0) 221007-PAHs-024.D



176.0, 174.0, 88.0

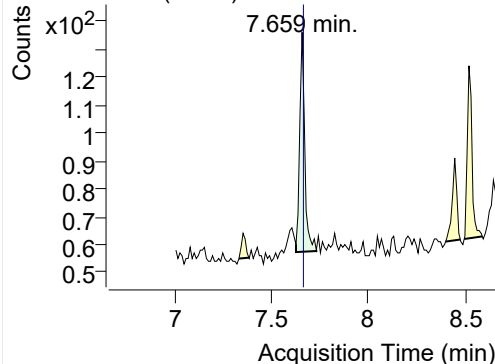


+ SIM (7.557-7.680 min, 12 scans) (**) 221007

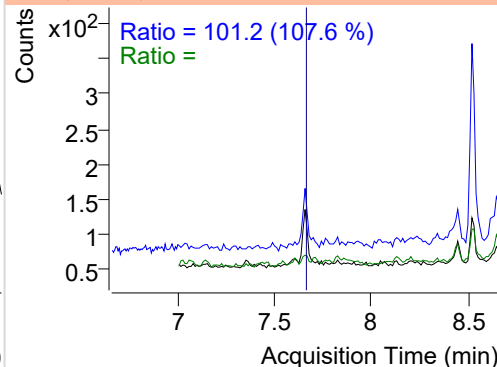


Fluorene

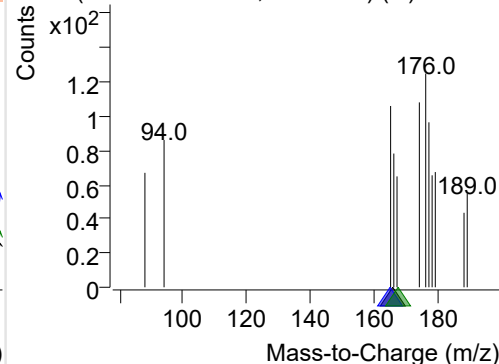
+ Selected Ion (166.0) 221007-PAHs-024.D



166.0, 165.0, 167.0

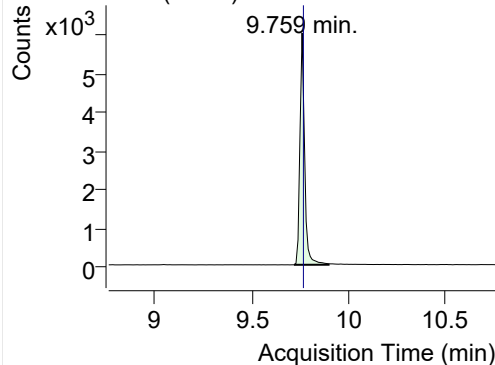


+ SIM (7.627-7.732 min, 11 scans) (**) 221007

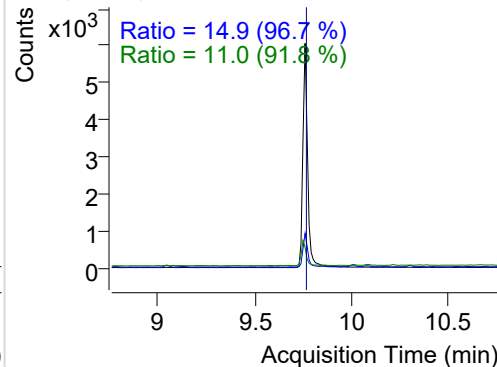


IS-D10-Phenanthrene

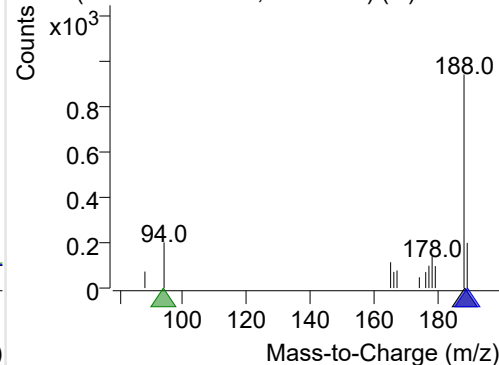
+ Selected Ion (188.0) 221007-PAHs-024.D



188.0, 189.0, 94.0

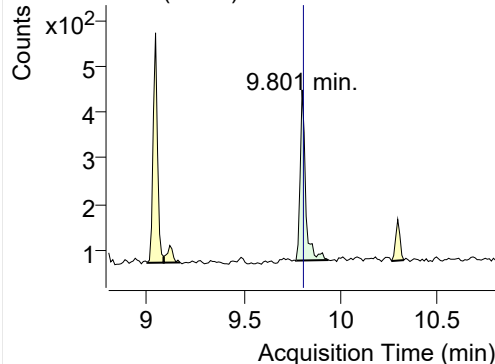


+ SIM (9.717-9.895 min, 18 scans) (**) 221007

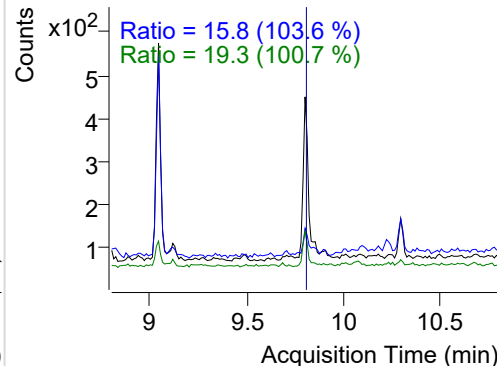


Phenanthrene

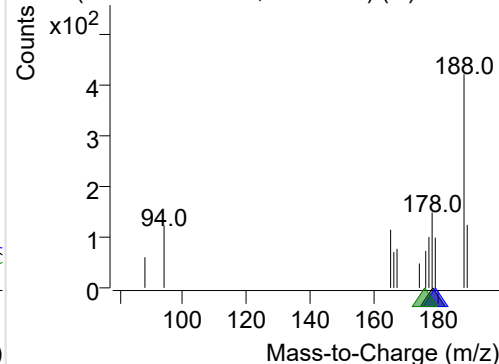
+ Selected Ion (178.0) 221007-PAHs-024.D



178.0, 179.0, 176.0

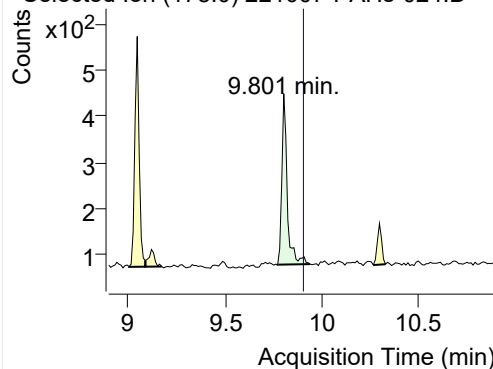


+ SIM (9.769-9.937 min, 16 scans) (**) 221007

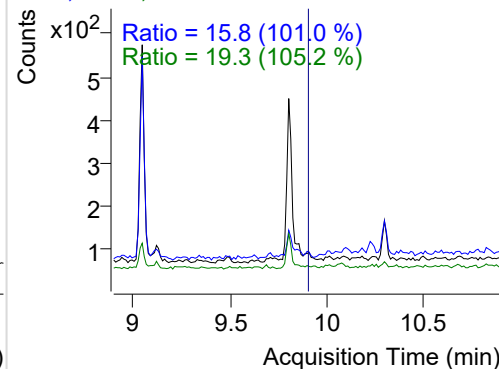


Anthracene

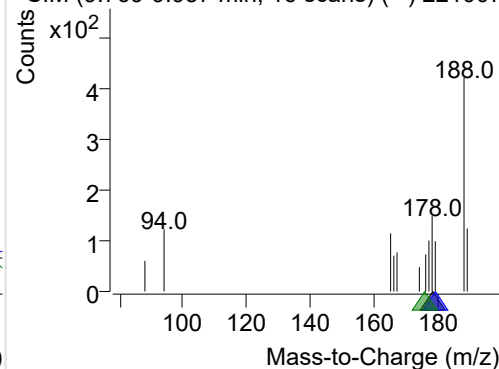
+ Selected Ion (178.0) 221007-PAHs-024.D



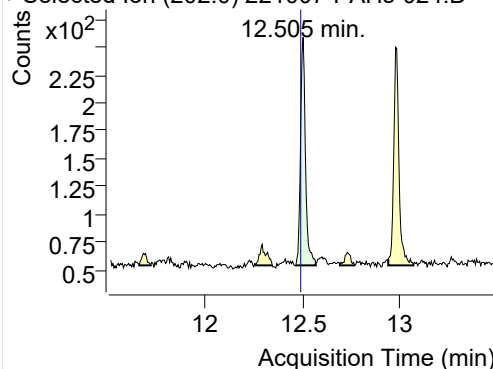
178.0, 179.0, 176.0



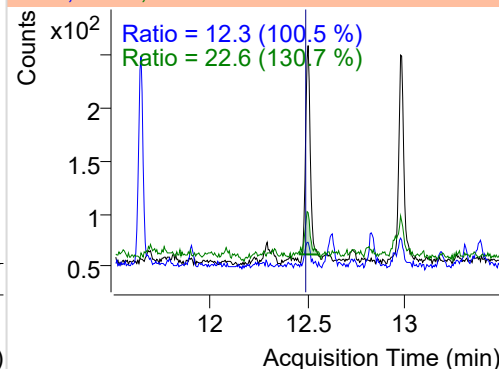
+ SIM (9.769-9.937 min, 16 scans) (**) 221007

**Fluoranthene**

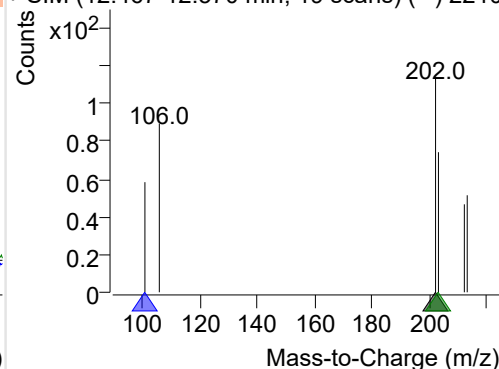
+ Selected Ion (202.0) 221007-PAHs-024.D



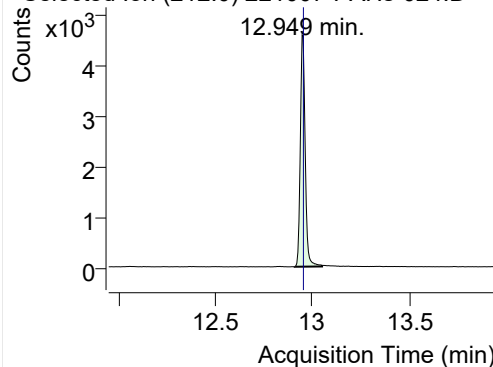
202.0, 101.0, 203.0



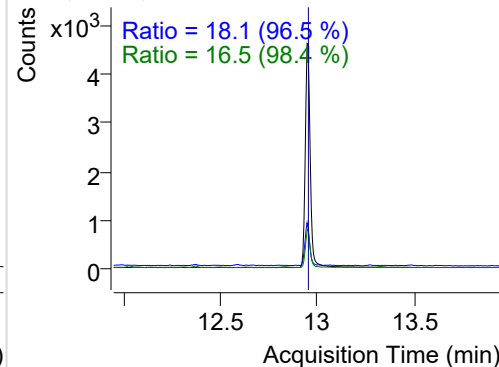
+ SIM (12.467-12.570 min, 19 scans) (**) 2210

**LSS-D10-Pyrene**

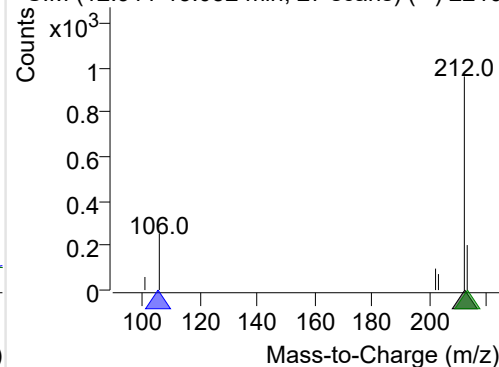
+ Selected Ion (212.0) 221007-PAHs-024.D



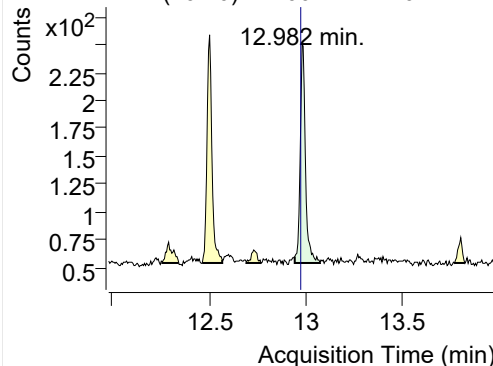
212.0, 106.0, 213.0



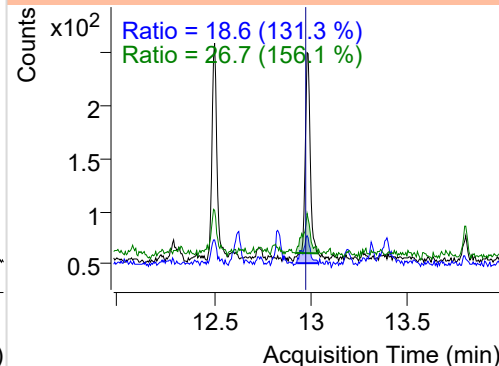
+ SIM (12.911-13.052 min, 27 scans) (**) 2210

**Pyrene**

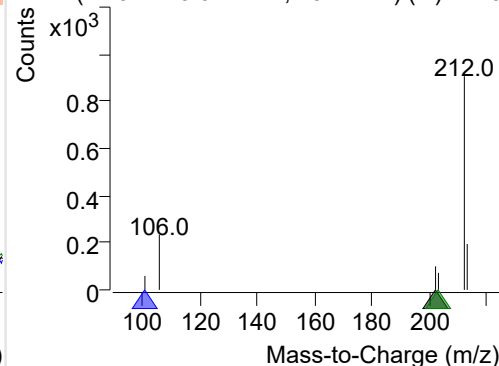
+ Selected Ion (202.0) 221007-PAHs-024.D



202.0, 101.0, 203.0



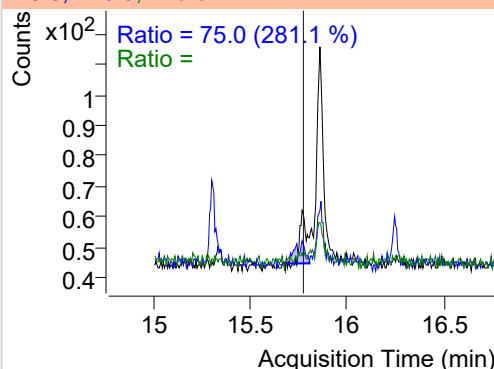
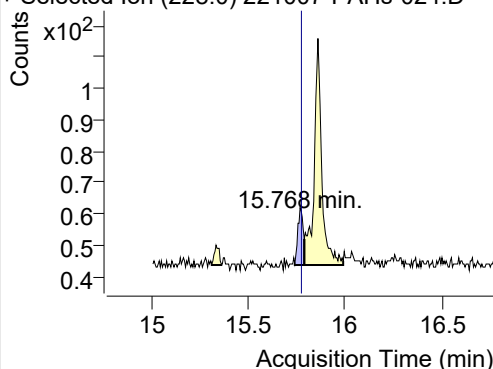
+ SIM (12.944-13.074 min, 25 scans) (**) 2210



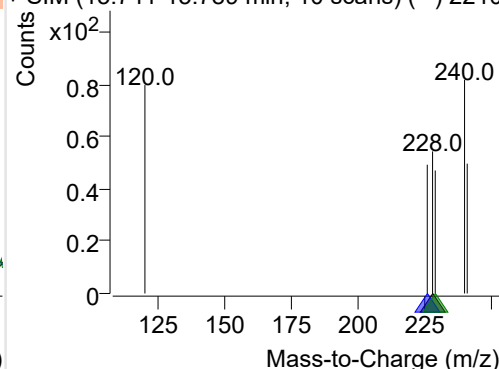
Benz(a)anthracene

+ Selected Ion (228.0) 221007-PAHs-024.D

228.0, 226.0, 229.0

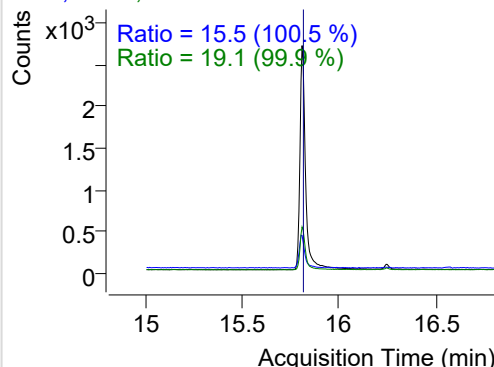
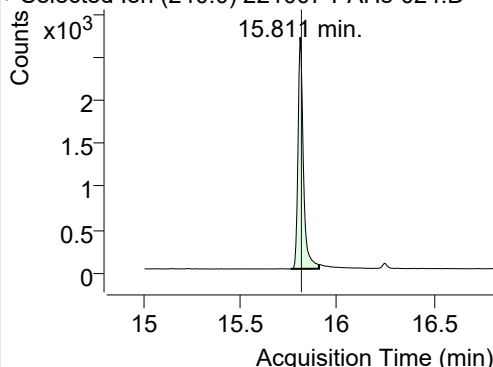


+ SIM (15.741-15.789 min, 10 scans) (**) 2210

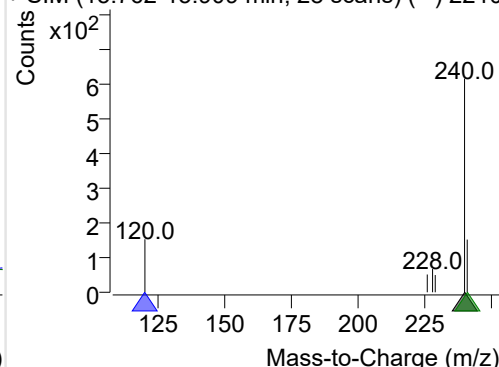
**IS-D12-Chrysene**

+ Selected Ion (240.0) 221007-PAHs-024.D

240.0, 120.0, 241.0

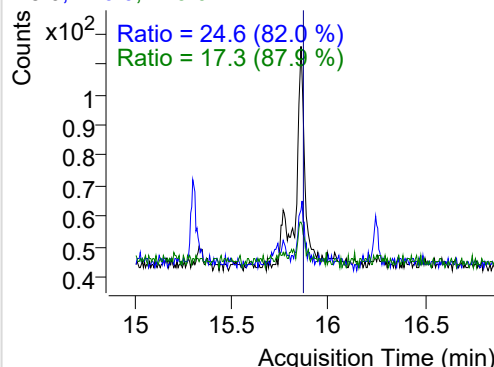
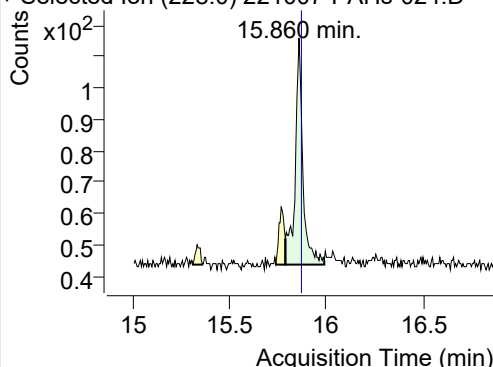


+ SIM (15.762-15.909 min, 28 scans) (**) 2210

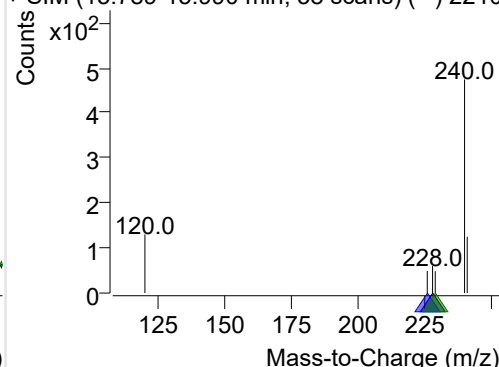
**Chrysene**

+ Selected Ion (228.0) 221007-PAHs-024.D

228.0, 226.0, 229.0

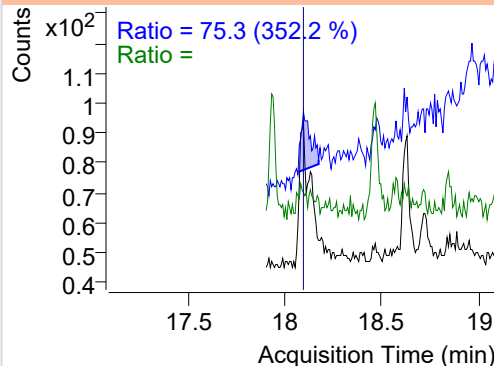
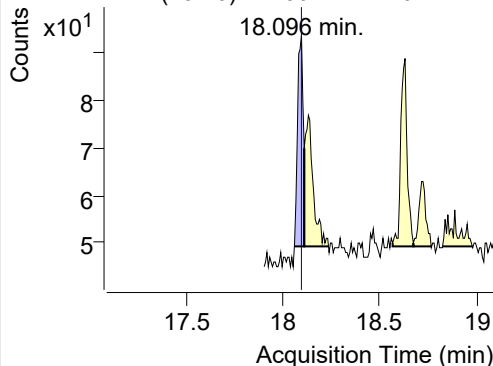


+ SIM (15.789-15.990 min, 38 scans) (**) 2210

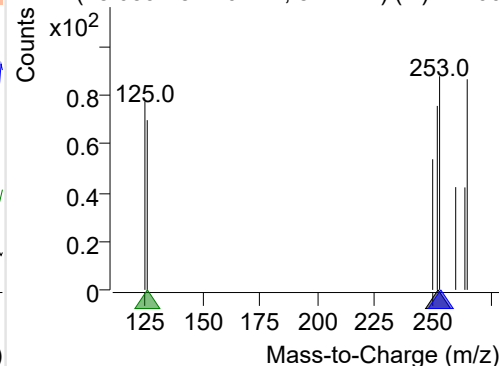
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 221007-PAHs-024.D

252.0, 253.0, 126.0



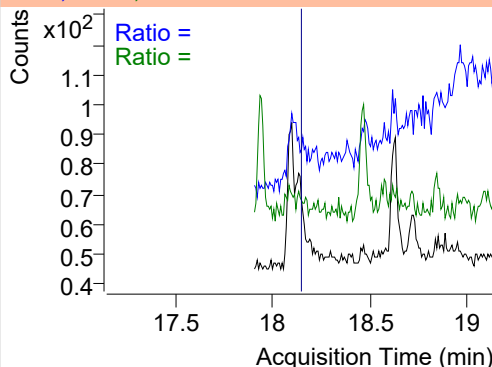
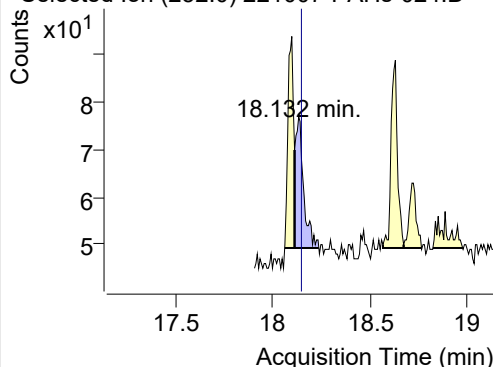
+ SIM (18.059-18.110 min, 8 scans) (**) 22100



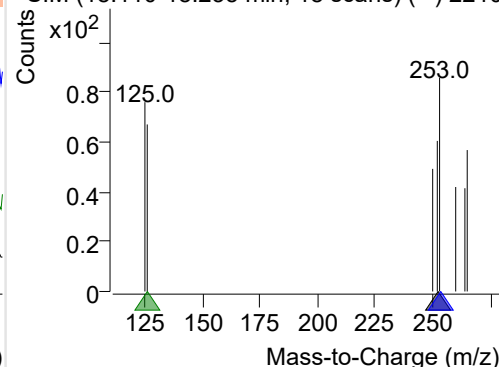
Benzo(k)fluoranthene

+ Selected Ion (252.0) 221007-PAHs-024.D

252.0, 253.0, 126.0

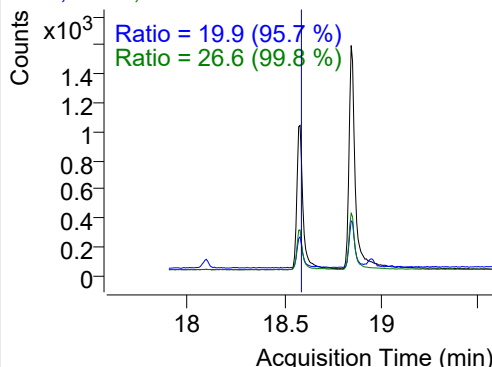
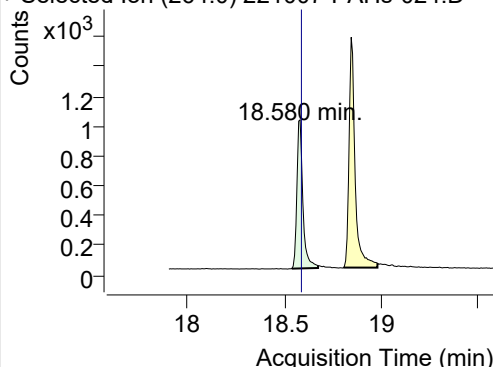


+ SIM (18.110-18.235 min, 18 scans) (**) 2210

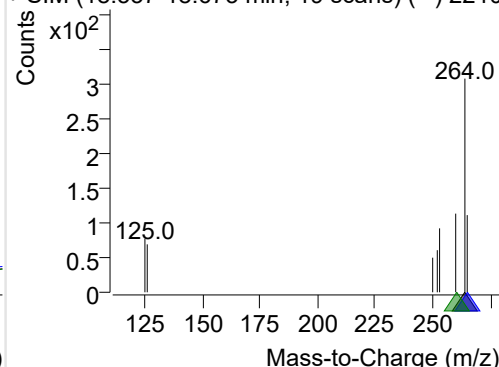
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 221007-PAHs-024.D

264.0, 265.0, 260.0

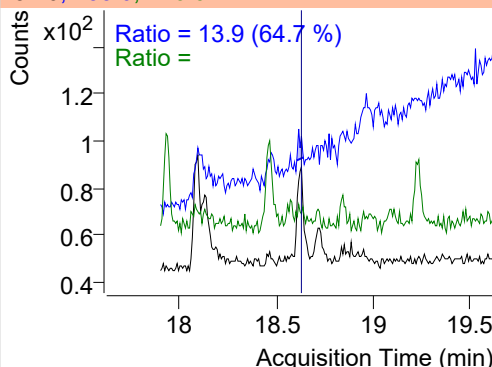
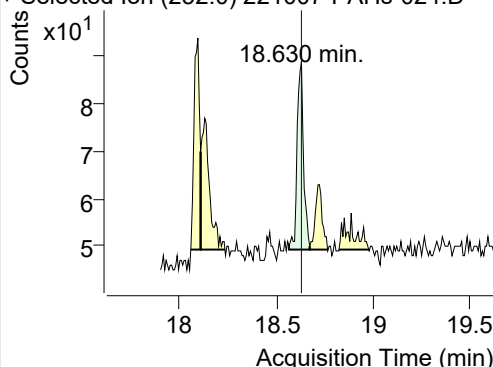


+ SIM (18.537-18.673 min, 19 scans) (**) 2210

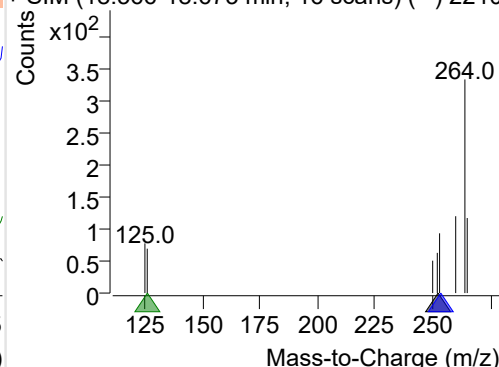
**Benzo(e)pyrene**

+ Selected Ion (252.0) 221007-PAHs-024.D

252.0, 253.0, 126.0

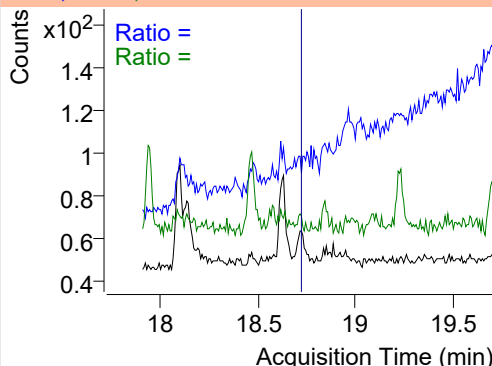
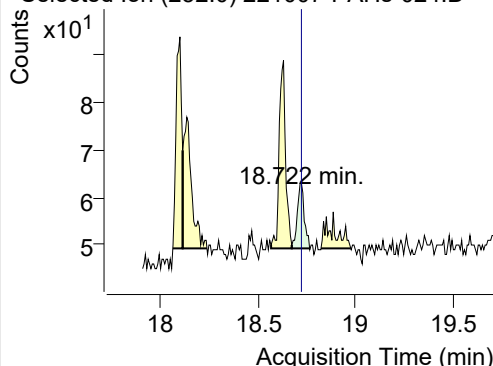


+ SIM (18.566-18.673 min, 16 scans) (**) 2210

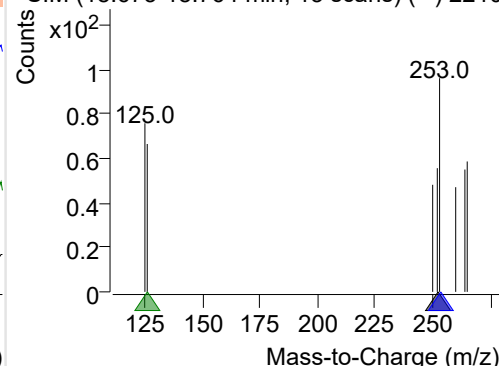
**Benzo(a)pyrene**

+ Selected Ion (252.0) 221007-PAHs-024.D

252.0, 253.0, 126.0

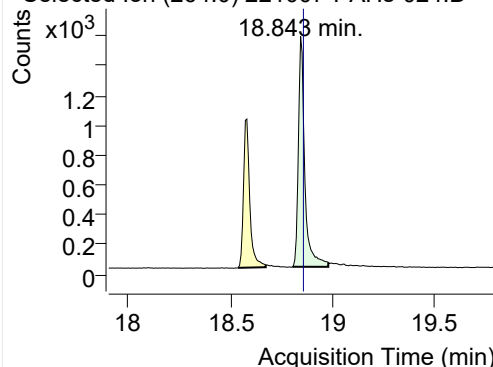


+ SIM (18.673-18.764 min, 13 scans) (**) 2210

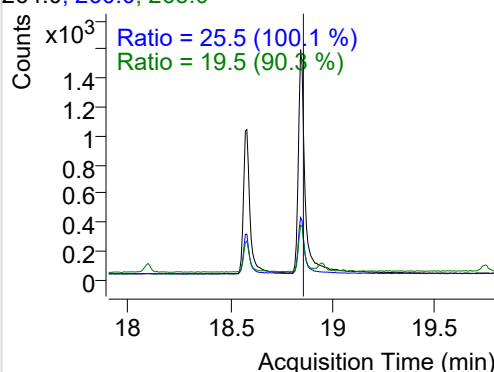


IS-D12-Perylene

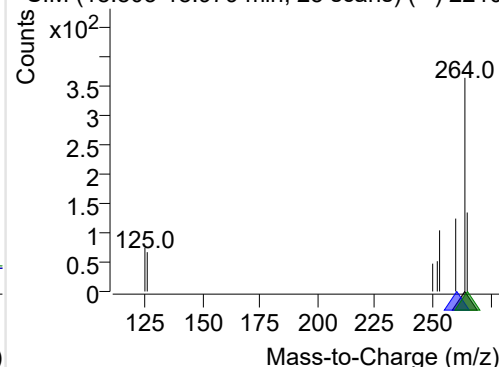
+ Selected Ion (264.0) 221007-PAHs-024.D



264.0, 260.0, 265.0

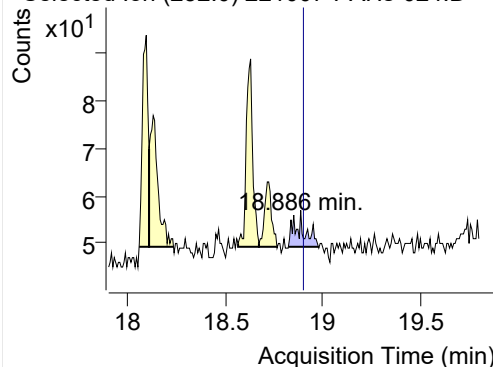


+ SIM (18.803-18.979 min, 25 scans) (**) 2210

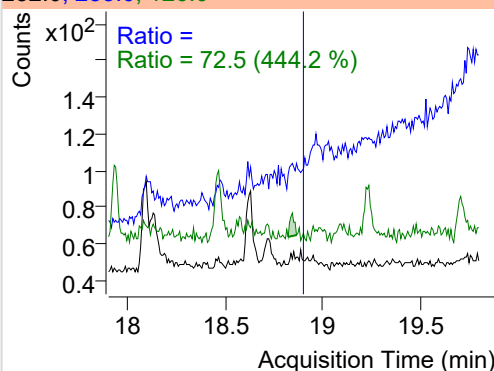


Perylene

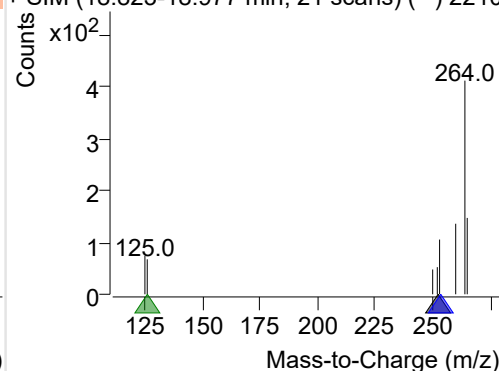
+ Selected Ion (252.0) 221007-PAHs-024.D



252.0, 253.0, 126.0

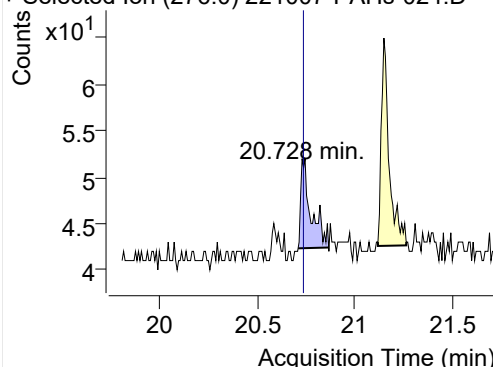


+ SIM (18.823-18.977 min, 21 scans) (**) 2210

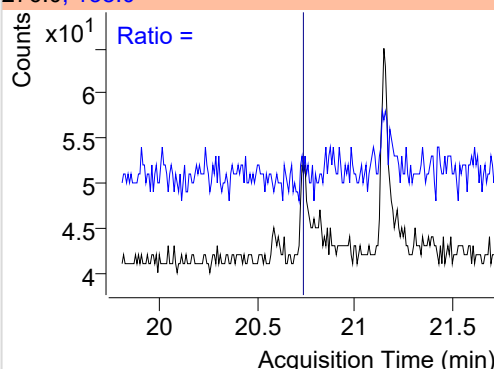


Indeno(1,2,3-c,d)pyrene

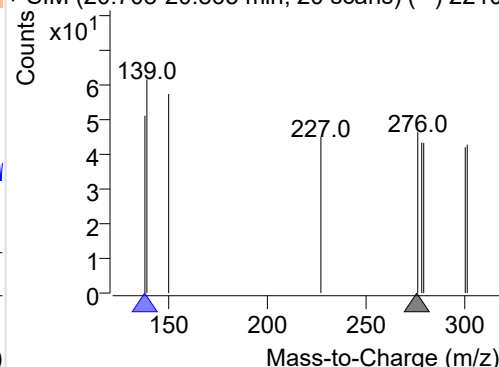
+ Selected Ion (276.0) 221007-PAHs-024.D



276.0, 138.0

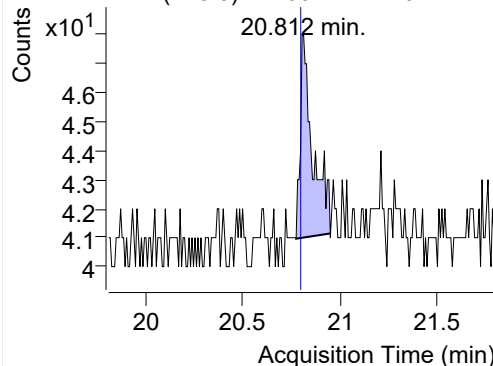


+ SIM (20.708-20.865 min, 20 scans) (**) 2210

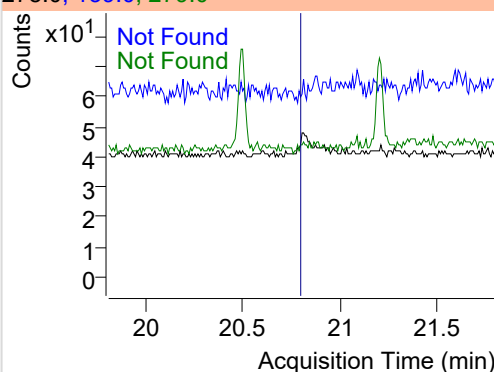


Dibenz(a,h)anthracene

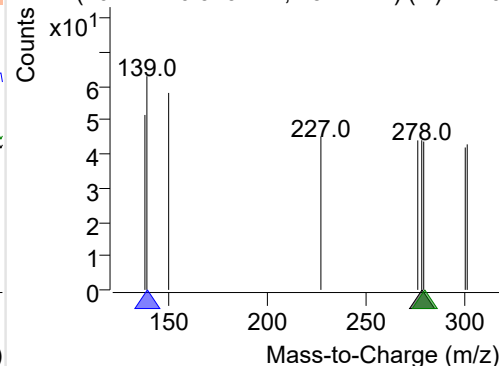
+ Selected Ion (278.0) 221007-PAHs-024.D



278.0, 139.0, 279.0

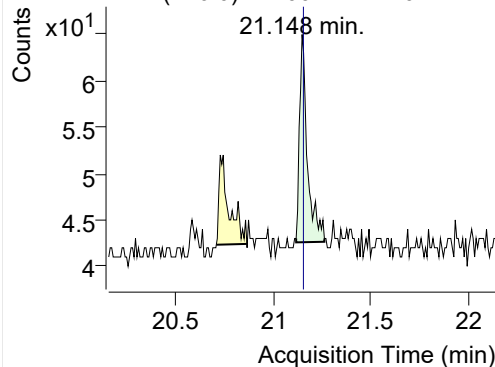


+ SIM (20.774-20.949 min, 23 scans) (**) 2210

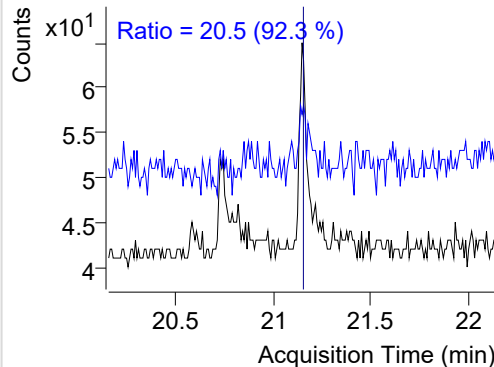


Benzo(g,h,i)perylene

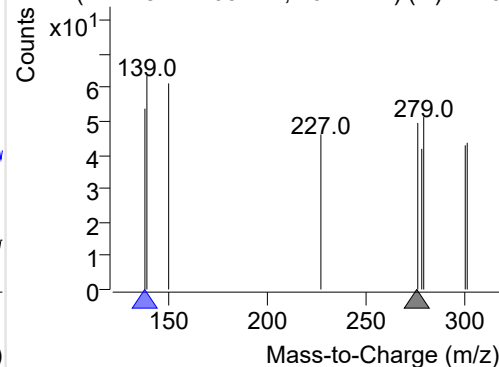
+ Selected Ion (276.0) 221007-PAHs-024.D



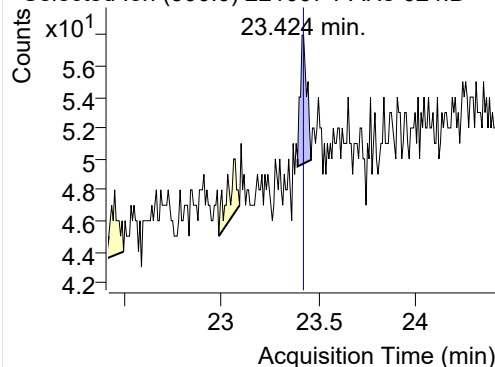
276.0, 138.0



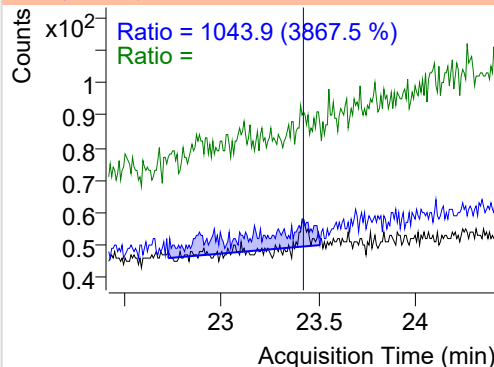
+ SIM (21.118-21.263 min, 20 scans) (**) 2210

**Coronene**

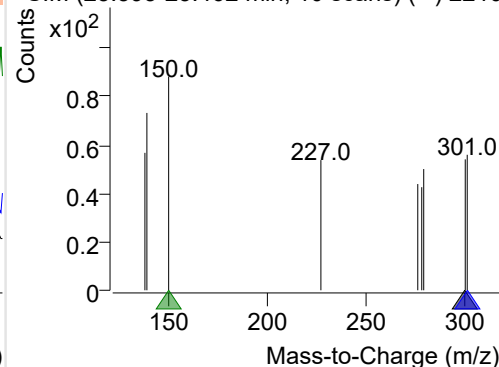
+ Selected Ion (300.0) 221007-PAHs-024.D



300.0, 301.0, 150.0



+ SIM (23.393-23.462 min, 10 scans) (**) 2210



Quantitative Analysis Sample Based Report

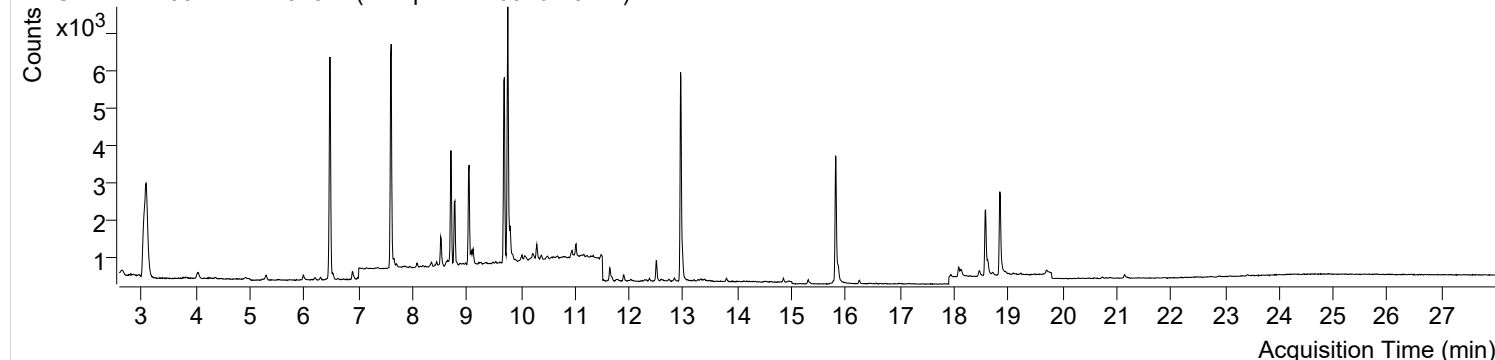


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-07 오후 11:53:11	Data File	221007-PAHs-025.D
Type	Sample	Name	Sample-PM-0926-10DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

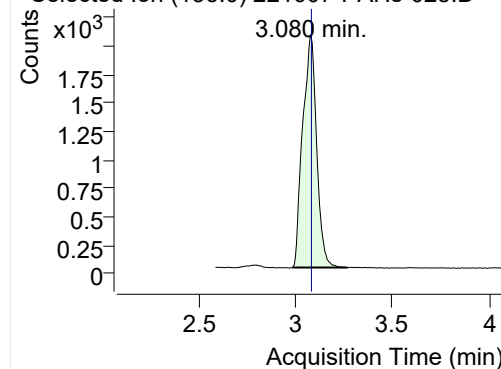
+ TIC SIM 221007-PAHs-025.D (Sample-PM-0926-10DIL)



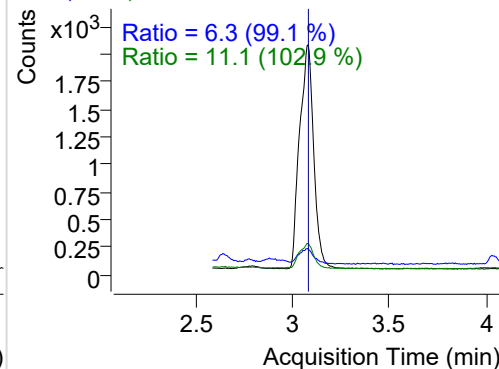
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.080	136.0	10140	2024.20	ND ng/ml	11.1
Naphthalene	3.107	128.0	785	168.76	ND ng/ml	12.5
Acenaphthylene	6.155	152.0	22	12.16	ND ng/ml	27.3
IS-D10-Acenaphthene	6.475	164.0	5245	2839.67	ND ng/ml	99.8
Acenaphthene	6.528	154.0	44	25.76	ND ng/ml	137.3
LSS-D10-Fluorene	7.606	176.0	4960	2756.38	ND ng/ml	94.7
Fluorene	7.659	166.0	124	73.56	ND ng/ml	106.2
IS-D10-Phenanthrene	9.759	188.0	9266	5467.62	ND ng/ml	15.2
Phenanthrene	9.801	178.0	920	477.22	ND ng/ml	18.6
Anthracene	9.801	178.0	920	477.22	ND ng/ml	18.6
Fluoranthene	12.505	202.0	708	409.89	ND ng/ml	19.4
LSS-D10-Pyrene	12.949	212.0	7122	4103.69	ND ng/ml	18.3
Pyrene	12.982	202.0	765	441.76	ND ng/ml	22.6
Benz(a)anthracene	15.768	228.0	137	55.00	ND ng/ml	46.5
IS-D12-Chrysene	15.811	240.0	5091	2537.27	ND ng/ml	18.7
Chrysene	15.860	228.0	468	196.58	ND ng/ml	27.1
Benzo(b)fluoranthene	18.082	252.0	290	142.22	ND ng/ml	45.9
Benzo(k)fluoranthene	18.124	252.0	320	107.22	ND ng/ml	
SS-D12-Benzo(e)pyrene	18.573	264.0	2595	1169.21	ND ng/ml	26.6
Benzo(e)pyrene	18.623	252.0	330	150.22	ND ng/ml	20.9
Benzo(a)pyrene	18.715	252.0	114	42.22	ND ng/ml	
IS-D12-Perylene	18.843	264.0	3516	1521.12	ND ng/ml	25.1
Perylene	18.886	252.0	48	12.22	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	20.736	276.0	111	32.65	ND ng/ml	15.3
Dibenz(a,h)anthracene	20.797	278.0	42	9.05	ND ng/ml	
Benzo(g,h,i)perylene	21.148	276.0	218	75.68	ND ng/ml	25.7
Coronene	23.416	300.0	61	19.86	ND ng/ml	

IS-D8-Naphthalene

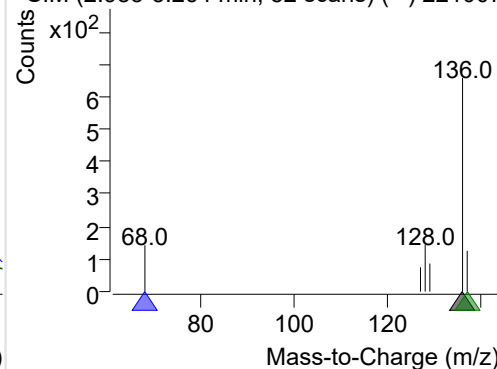
+ Selected Ion (136.0) 221007-PAHs-025.D



136.0, 68.0, 137.0

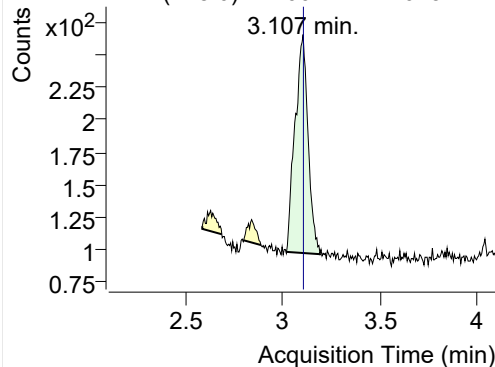


+ SIM (2.983-3.264 min, 52 scans) (**) 221007

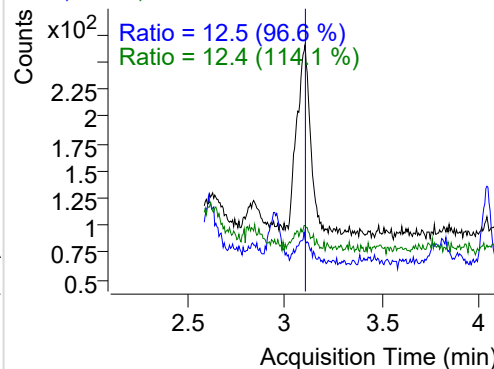


Naphthalene

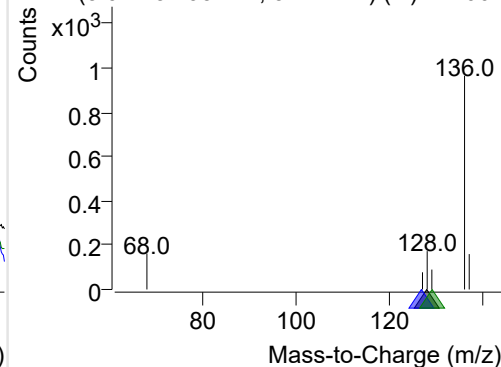
+ Selected Ion (128.0) 221007-PAHs-025.D



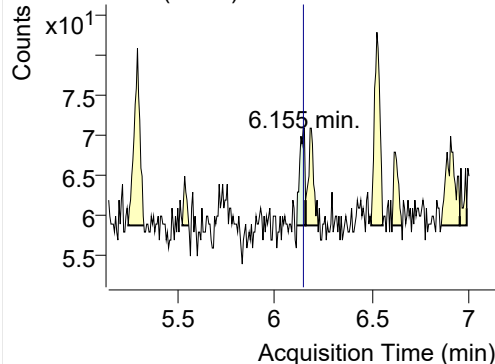
128.0, 127.0, 129.0



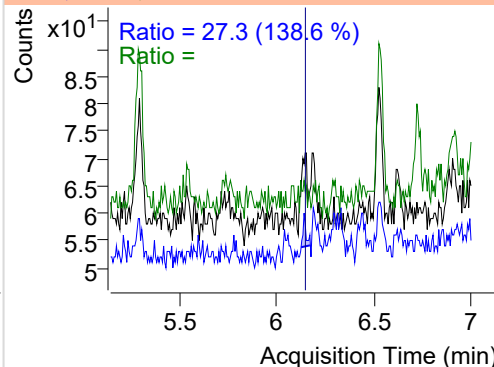
+ SIM (3.021-3.193 min, 32 scans) (**) 221007

**Acenaphthylene**

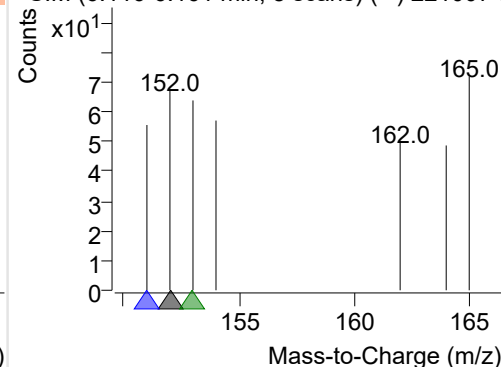
+ Selected Ion (152.0) 221007-PAHs-025.D



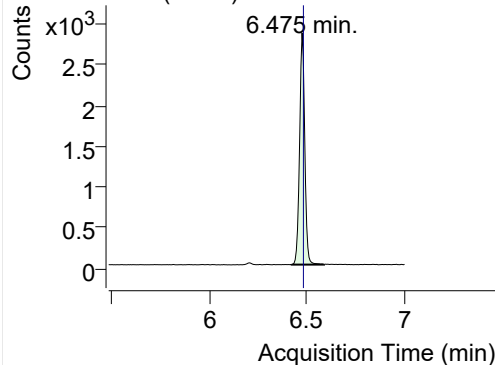
152.0, 151.0, 153.0



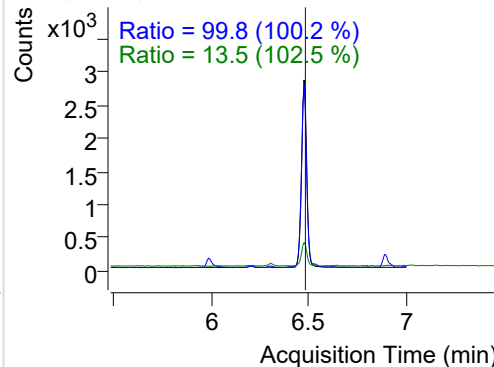
+ SIM (6.116-6.161 min, 8 scans) (**) 221007-I

**IS-D10-Acenaphthene**

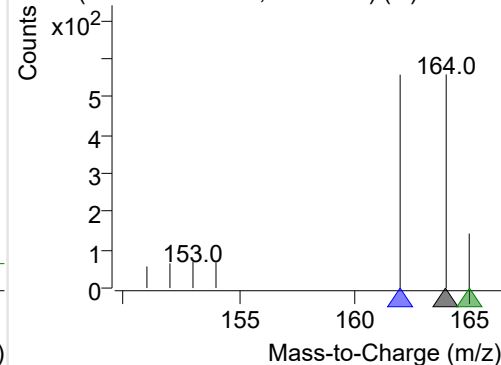
+ Selected Ion (164.0) 221007-PAHs-025.D



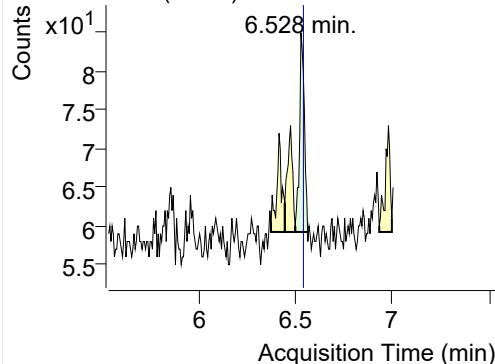
164.0, 162.0, 165.0



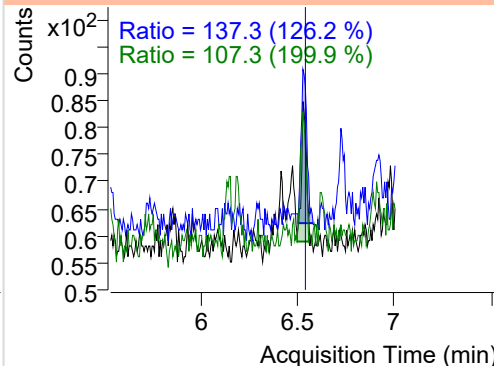
+ SIM (6.422-6.587 min, 29 scans) (**) 221007

**Acenaphthene**

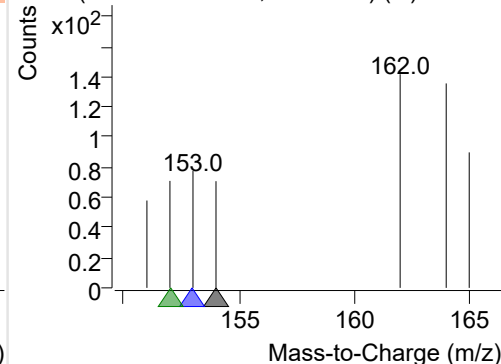
+ Selected Ion (154.0) 221007-PAHs-025.D



154.0, 153.0, 152.0

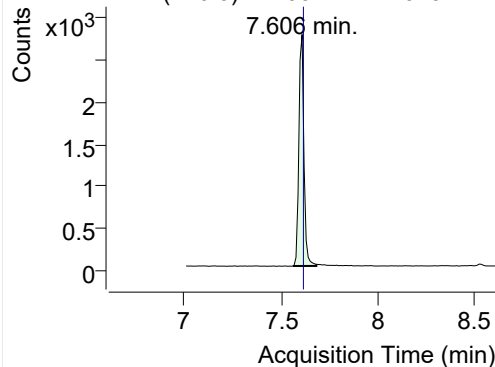


+ SIM (6.499-6.562 min, 11 scans) (**) 221007

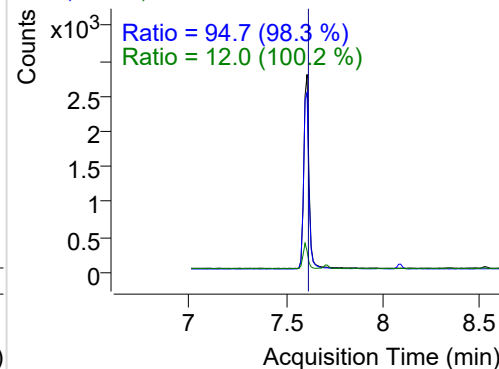


LSS-D10-Fluorene

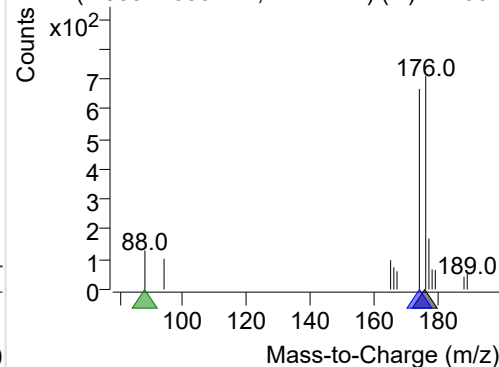
+ Selected Ion (176.0) 221007-PAHs-025.D



176.0, 174.0, 88.0

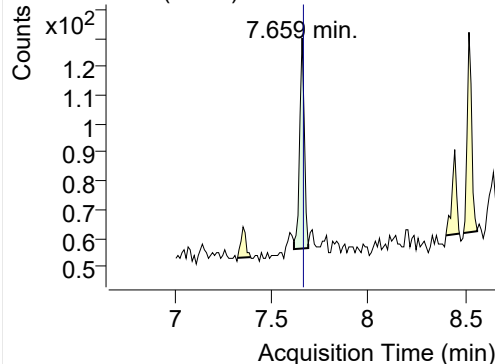


+ SIM (7.559-7.680 min, 12 scans) (**) 221007

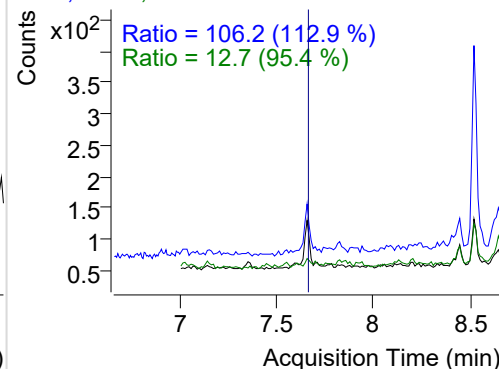


Fluorene

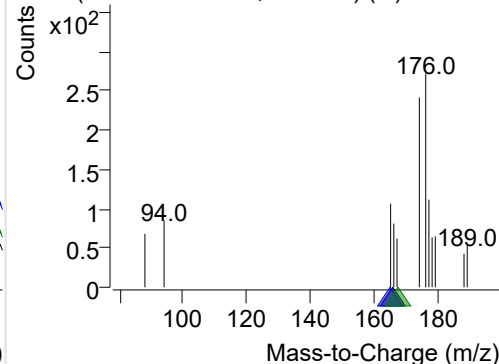
+ Selected Ion (166.0) 221007-PAHs-025.D



166.0, 165.0, 167.0

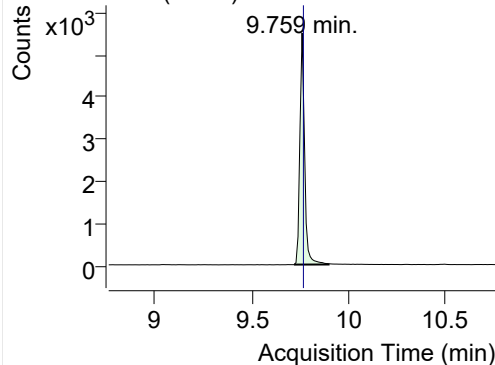


+ SIM (7.617-7.690 min, 8 scans) (**) 221007-I

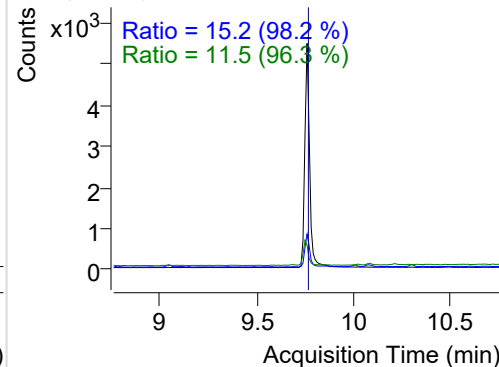


IS-D10-Phenanthrene

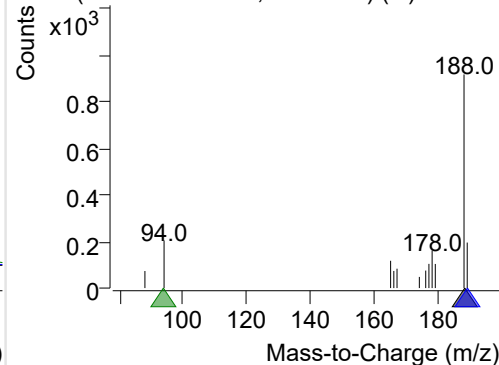
+ Selected Ion (188.0) 221007-PAHs-025.D



188.0, 189.0, 94.0

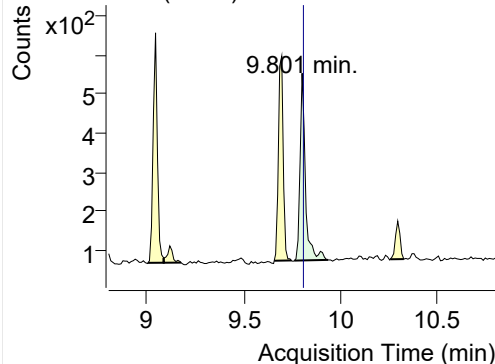


+ SIM (9.718-9.895 min, 17 scans) (**) 221007

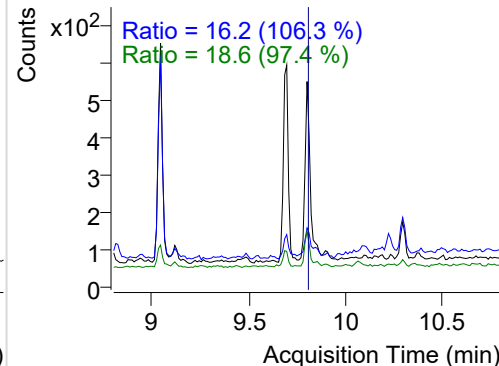


Phenanthrene

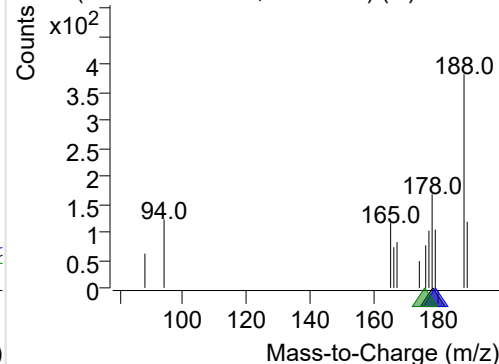
+ Selected Ion (178.0) 221007-PAHs-025.D



178.0, 179.0, 176.0

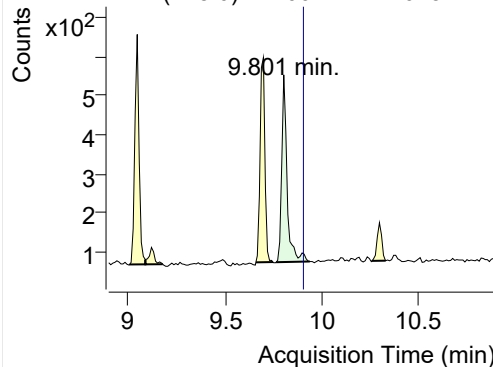


+ SIM (9.761-9.935 min, 16 scans) (**) 221007

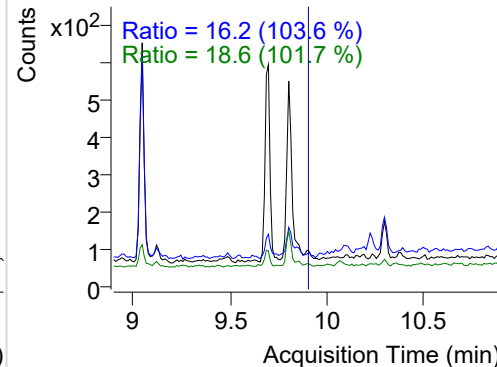


Anthracene

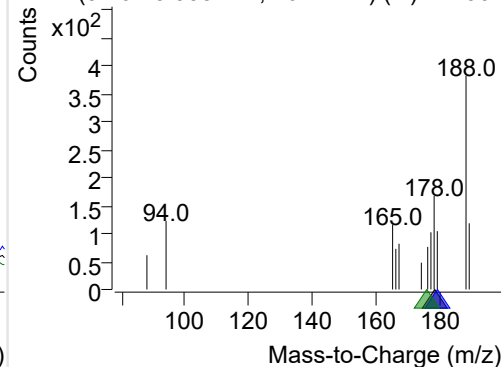
+ Selected Ion (178.0) 221007-PAHs-025.D



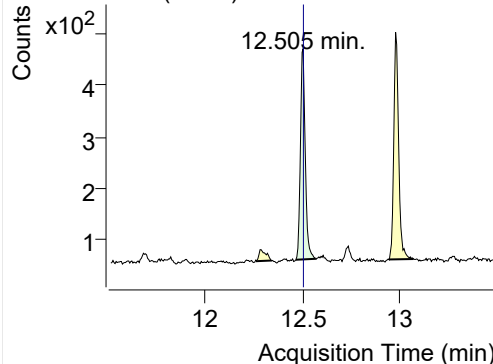
178.0, 179.0, 176.0



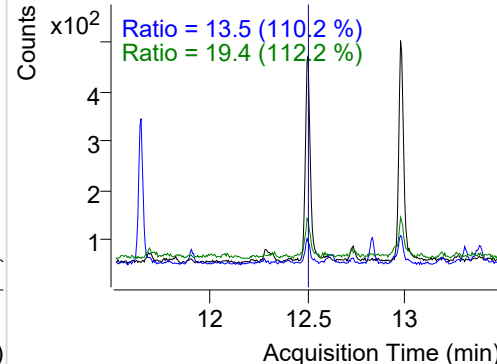
+ SIM (9.761-9.935 min, 16 scans) (**) 221007

**Fluoranthene**

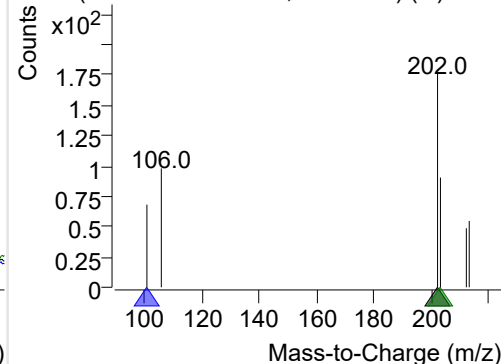
+ Selected Ion (202.0) 221007-PAHs-025.D



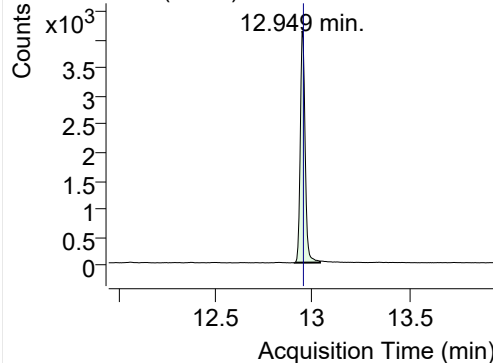
202.0, 101.0, 203.0



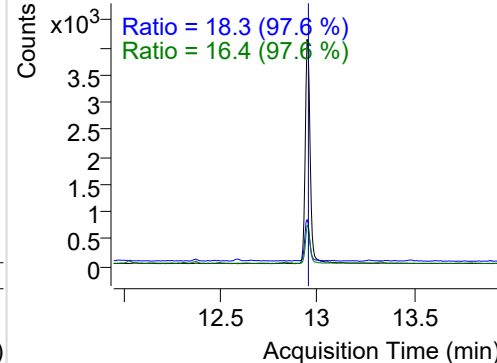
+ SIM (12.467-12.570 min, 19 scans) (**) 2210

**LSS-D10-Pyrene**

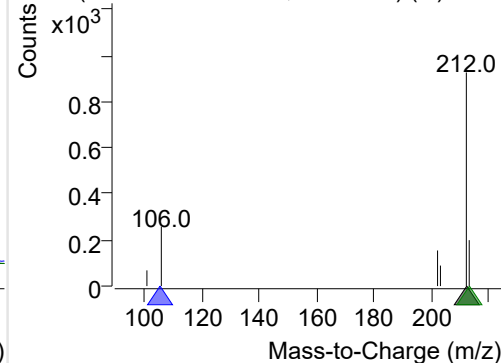
+ Selected Ion (212.0) 221007-PAHs-025.D



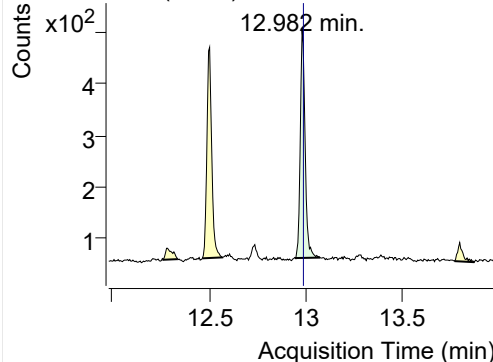
212.0, 106.0, 213.0



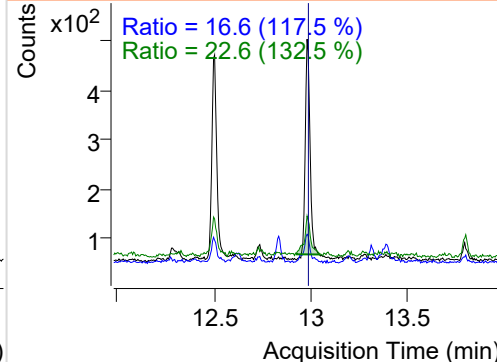
+ SIM (12.911-13.041 min, 25 scans) (**) 2210

**Pyrene**

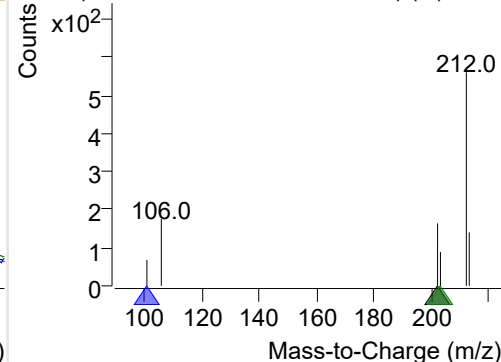
+ Selected Ion (202.0) 221007-PAHs-025.D



202.0, 101.0, 203.0



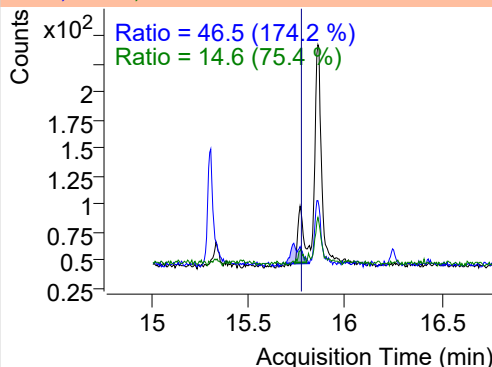
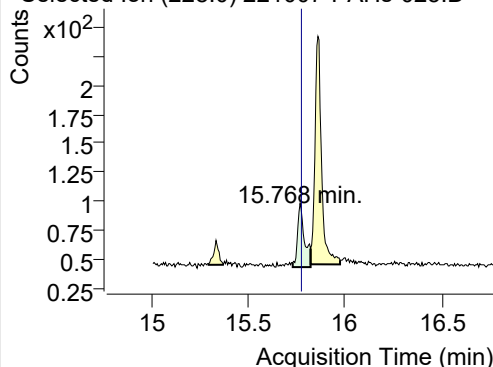
+ SIM (12.949-13.074 min, 23 scans) (**) 2210



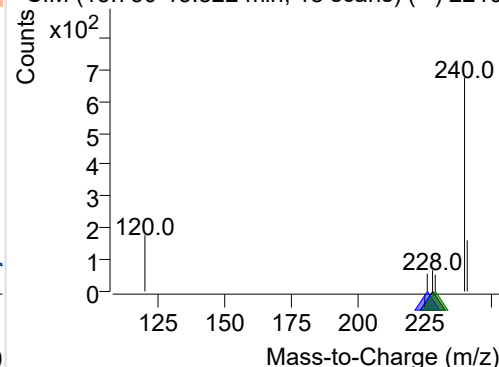
Benz(a)anthracene

+ Selected Ion (228.0) 221007-PAHs-025.D

228.0, 226.0, 229.0

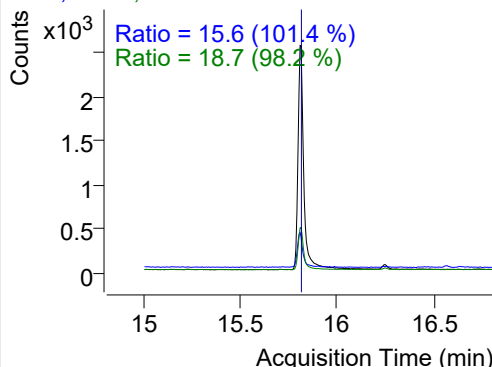
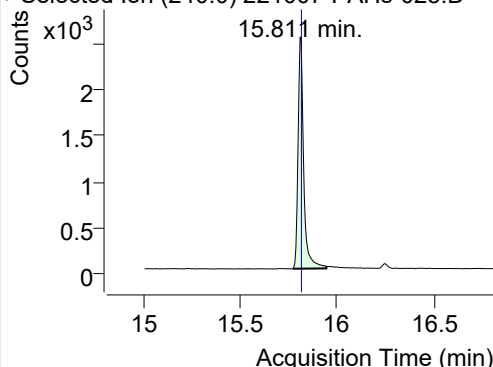


+ SIM (15.730-15.822 min, 18 scans) (**) 2210

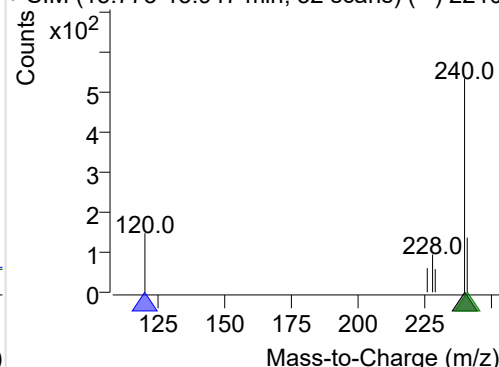
**IS-D12-Chrysene**

+ Selected Ion (240.0) 221007-PAHs-025.D

240.0, 120.0, 241.0

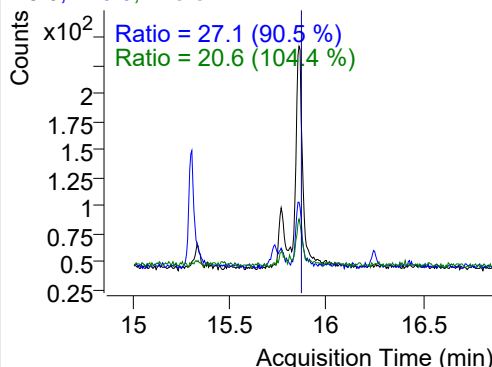
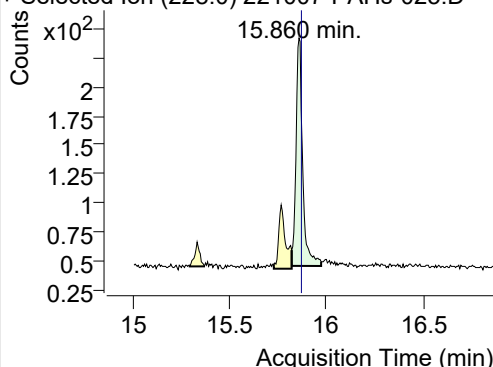


+ SIM (15.773-15.947 min, 32 scans) (**) 2210

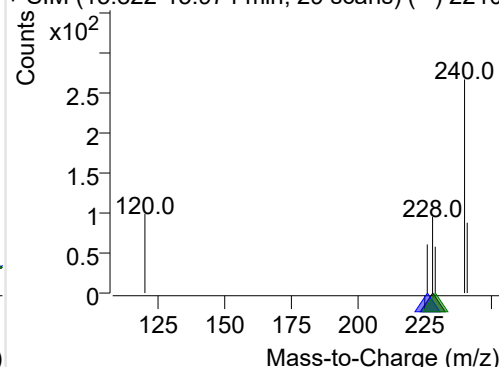
**Chrysene**

+ Selected Ion (228.0) 221007-PAHs-025.D

228.0, 226.0, 229.0

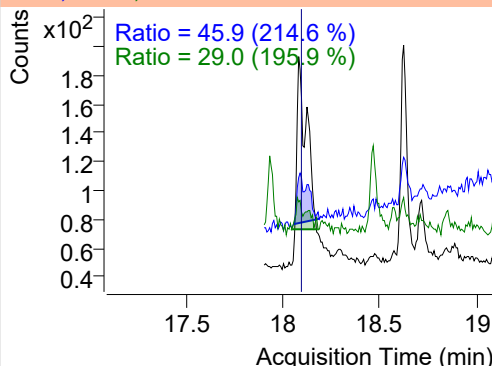
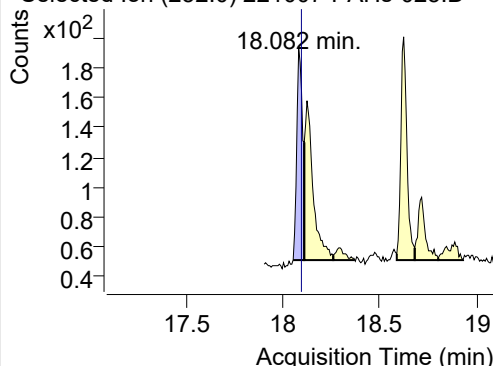


+ SIM (15.822-15.974 min, 29 scans) (**) 2210

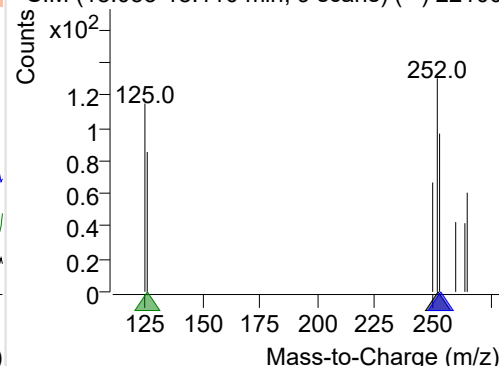
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 221007-PAHs-025.D

252.0, 253.0, 126.0



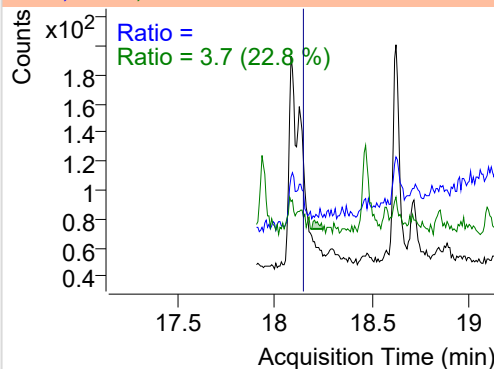
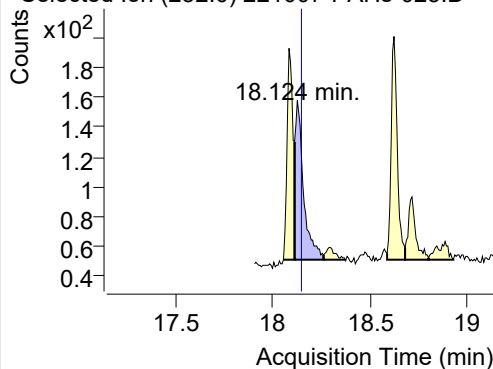
+ SIM (18.053-18.110 min, 9 scans) (**) 22100



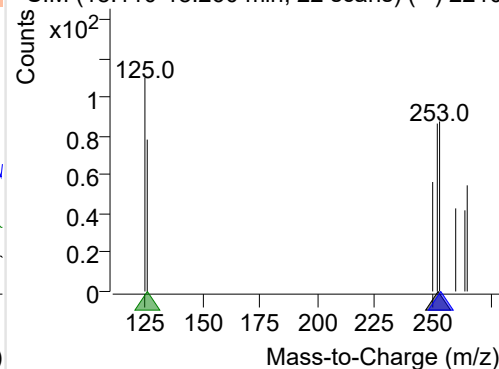
Benzo(k)fluoranthene

+ Selected Ion (252.0) 221007-PAHs-025.D

252.0, 253.0, 126.0

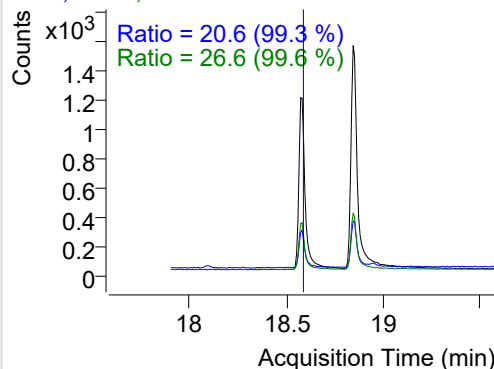
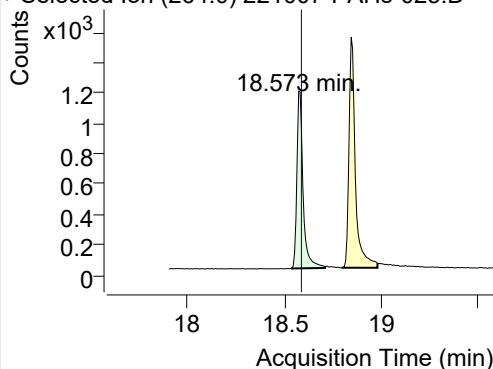


+ SIM (18.110-18.260 min, 22 scans) (**) 2210

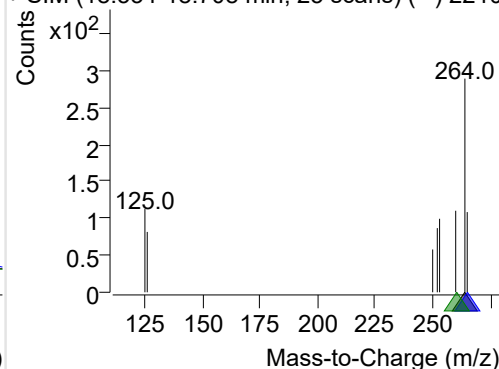
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 221007-PAHs-025.D

264.0, 265.0, 260.0

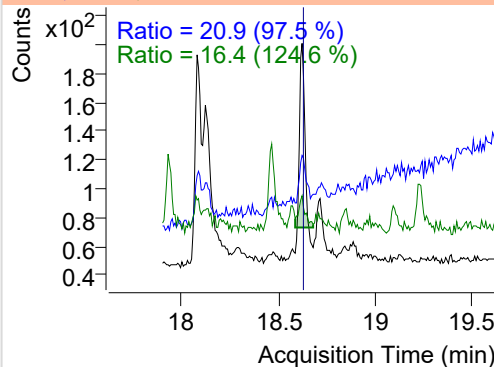
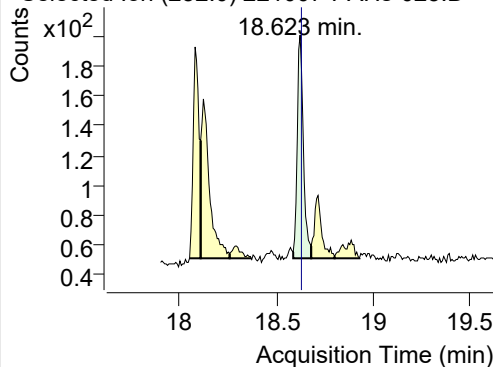


+ SIM (18.534-18.708 min, 25 scans) (**) 2210

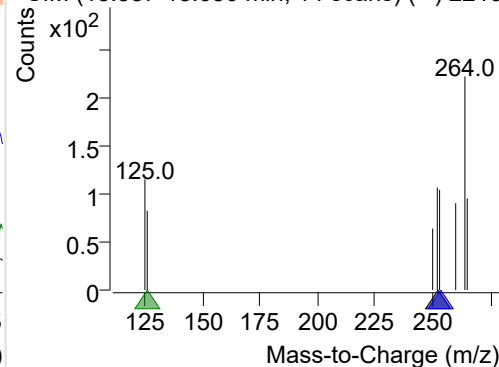
**Benzo(e)pyrene**

+ Selected Ion (252.0) 221007-PAHs-025.D

252.0, 253.0, 126.0

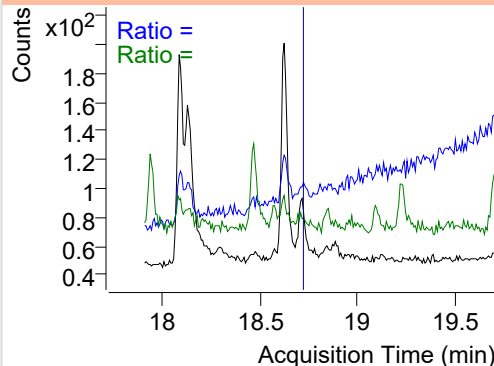
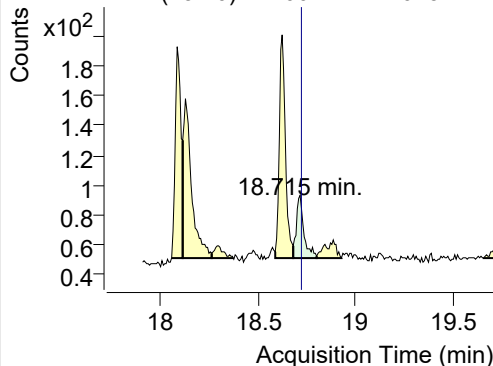


+ SIM (18.587-18.680 min, 14 scans) (**) 2210

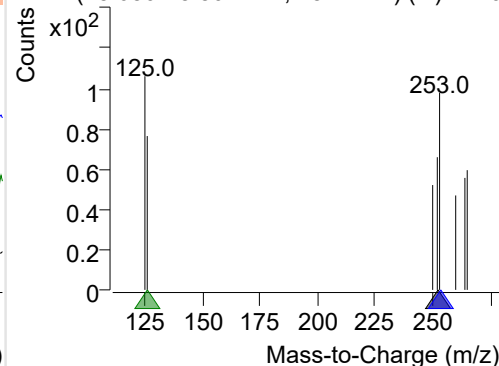
**Benzo(a)pyrene**

+ Selected Ion (252.0) 221007-PAHs-025.D

252.0, 253.0, 126.0

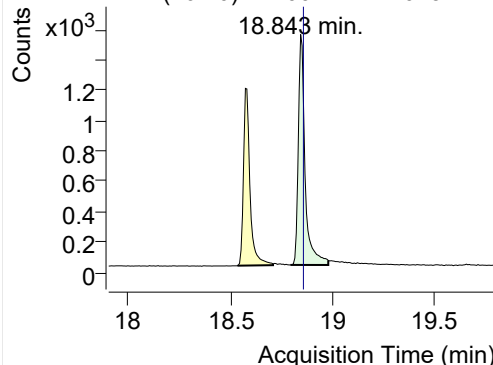


+ SIM (18.680-18.801 min, 18 scans) (**) 2210

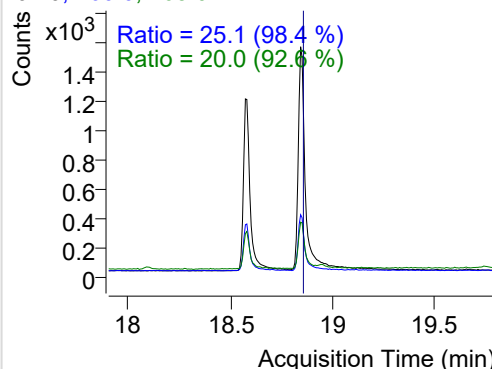


IS-D12-Perylene

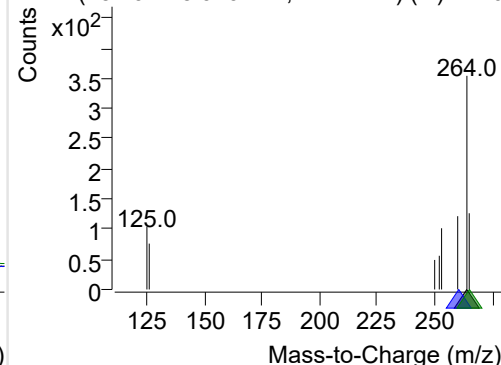
+ Selected Ion (264.0) 221007-PAHs-025.D



264.0, 260.0, 265.0

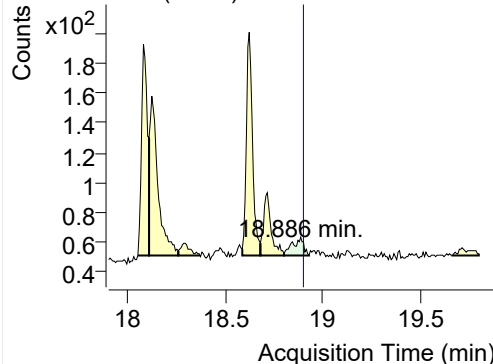


+ SIM (18.794-18.979 min, 27 scans) (**) 2210

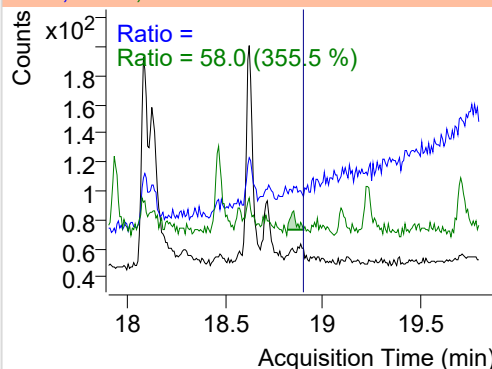


Perylene

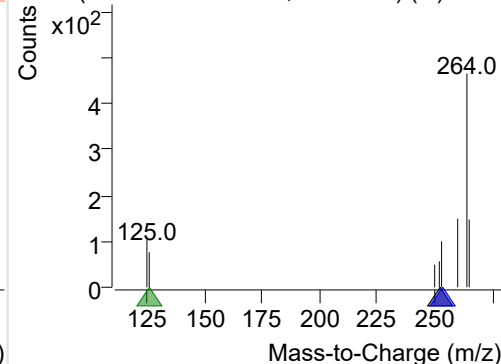
+ Selected Ion (252.0) 221007-PAHs-025.D



252.0, 253.0, 126.0

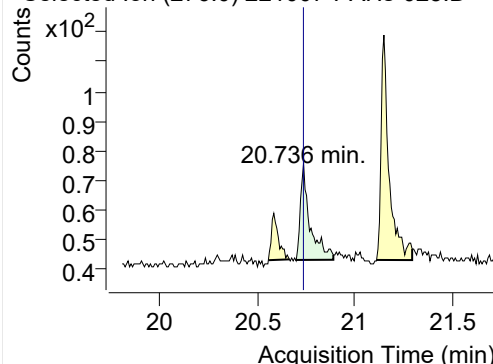


+ SIM (18.801-18.929 min, 19 scans) (**) 2210

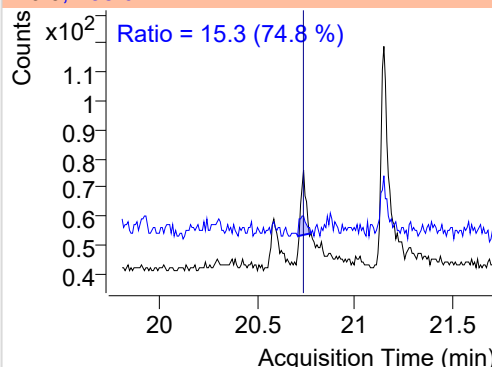


Indeno(1,2,3-c,d)pyrene

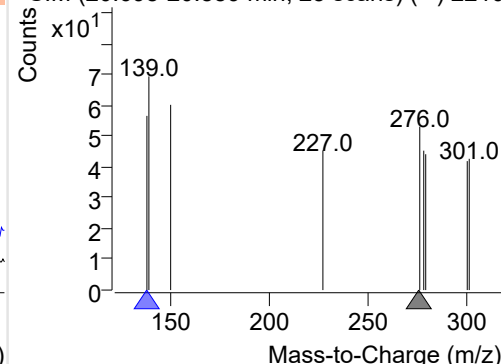
+ Selected Ion (276.0) 221007-PAHs-025.D



276.0, 138.0

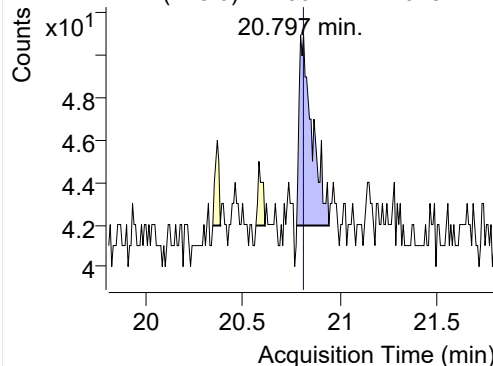


+ SIM (20.698-20.889 min, 25 scans) (**) 2210

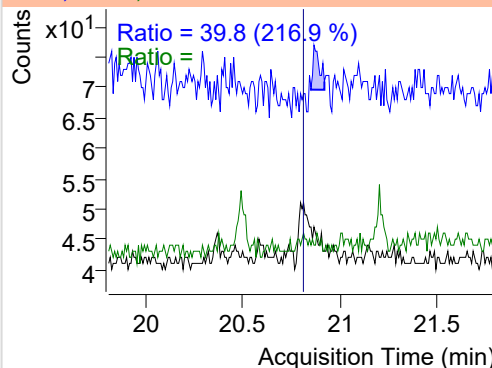


Dibenz(a,h)anthracene

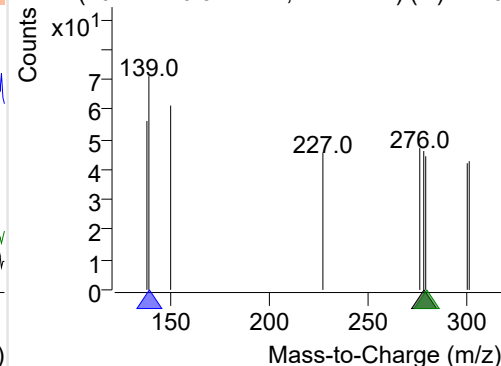
+ Selected Ion (278.0) 221007-PAHs-025.D



278.0, 139.0, 279.0

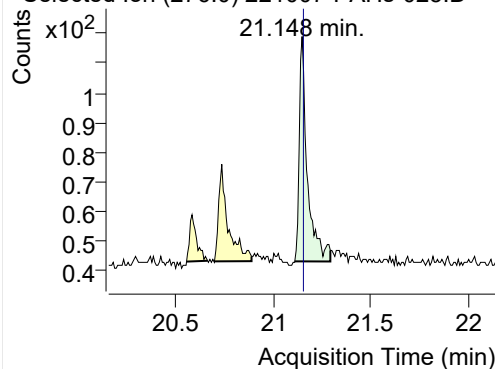


+ SIM (20.777-20.942 min, 22 scans) (**) 2210

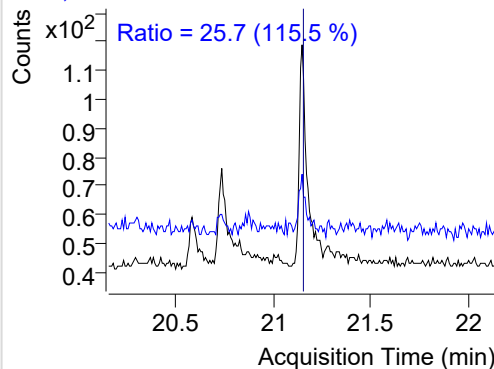


Benzo(g,h,i)perylene

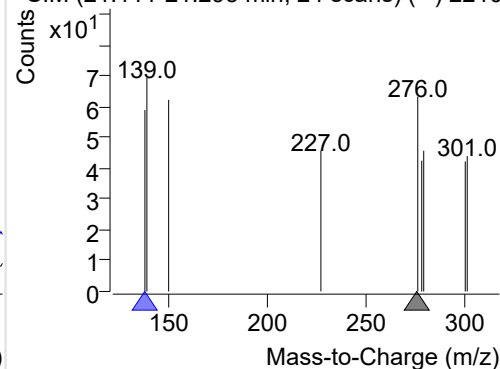
+ Selected Ion (276.0) 221007-PAHs-025.D



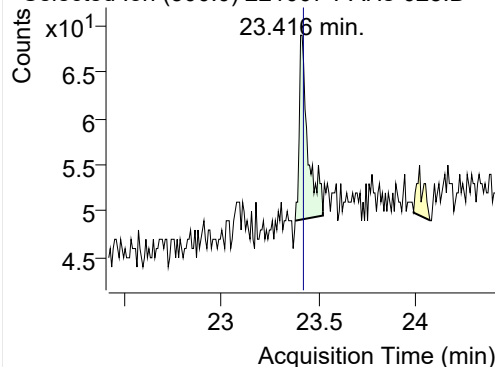
276.0, 138.0



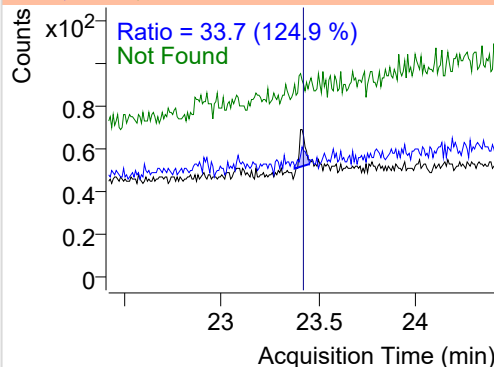
+ SIM (21.111-21.293 min, 24 scans) (**) 2210

**Coronene**

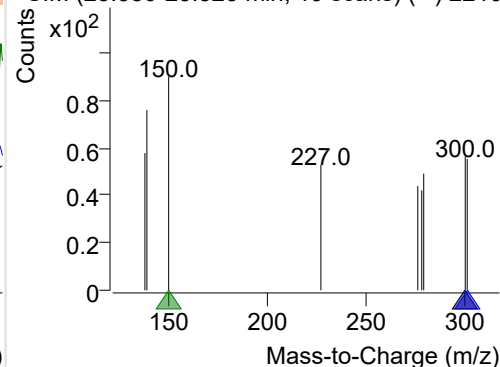
+ Selected Ion (300.0) 221007-PAHs-025.D



300.0, 301.0, 150.0



+ SIM (23.380-23.523 min, 19 scans) (**) 2210



Quantitative Analysis Sample Based Report

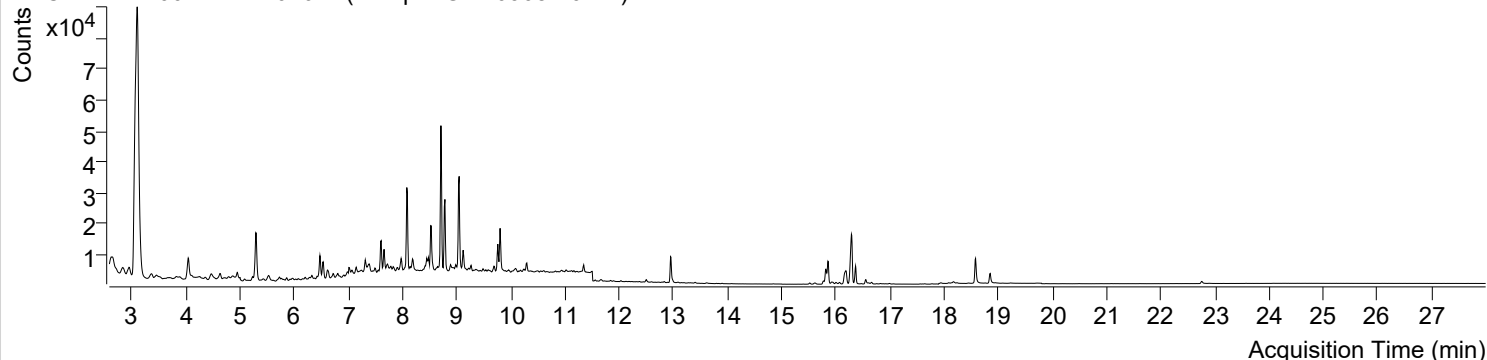


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-08 오전 12:24:10	Data File	221007-PAHs-026.D
Type	Sample	Name	Sample-Gas-0908-10DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

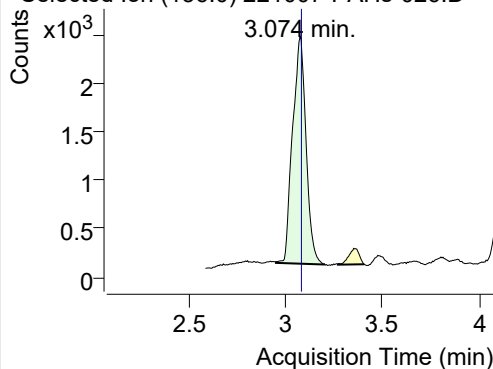
+ TIC SIM 221007-PAHs-026.D (Sample-Gas-0908-10DIL)



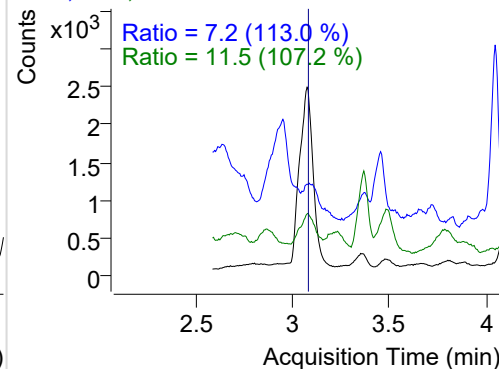
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	11323	2353.99	ND ng/ml	11.5
Naphthalene	3.101	128.0	337206	69031.77	ND ng/ml	13.8
Acenaphthylene	6.333	152.0	386	148.74	ND ng/ml	686.9
IS-D10-Acenaphthene	6.475	164.0	6984	3526.42	ND ng/ml	96.4
Acenaphthene	6.540	154.0	2852	1436.60	ND ng/ml	106.6
LSS-D10-Fluorene	7.606	176.0	7228	4120.56	ND ng/ml	98.2
Fluorene	7.659	166.0	5499	3180.08	ND ng/ml	118.3
IS-D10-Phenanthrene	9.759	188.0	11375	7043.99	ND ng/ml	17.7
Phenanthrene	9.801	178.0	14670	8859.94	ND ng/ml	20.6
Anthracene	9.801	178.0	14670	8859.94	ND ng/ml	20.6
Fluoranthene	12.505	202.0	761	447.76	ND ng/ml	86.9
LSS-D10-Pyrene	12.949	212.0	10662	6169.75	ND ng/ml	18.3
Pyrene	12.982	202.0	986	551.13	ND ng/ml	21.5
Benz(a)anthracene	15.773	228.0	57	30.15	ND ng/ml	
IS-D12-Chrysene	15.816	240.0	7146	3349.18	ND ng/ml	17.2
Chrysene	15.860	228.0	286	147.31	ND ng/ml	39.1
Benzo(b)fluoranthene	18.146	252.0	61	12.40	ND ng/ml	245.6
Benzo(k)fluoranthene	18.146	252.0	61	12.40	ND ng/ml	245.6
SS-D12-Benzo(e)pyrene	18.580	264.0	11169	5419.23	ND ng/ml	26.1
Benzo(e)pyrene	18.573	252.0	104	26.40	ND ng/ml	
Benzo(a)pyrene	18.751	252.0	47	14.40	ND ng/ml	
IS-D12-Perylene	18.851	264.0	4584	2129.20	ND ng/ml	25.4
Perylene	18.829	252.0	48	19.40	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	20.736	276.0	16	6.55	ND ng/ml	
Dibenz(a,h)anthracene	20.828	278.0	22	6.45	ND ng/ml	72.9
Benzo(g,h,i)perylene	21.148	276.0	31	8.15	ND ng/ml	58.1
Coronene	23.416	300.0	18	5.43	ND ng/ml	

IS-D8-Naphthalene

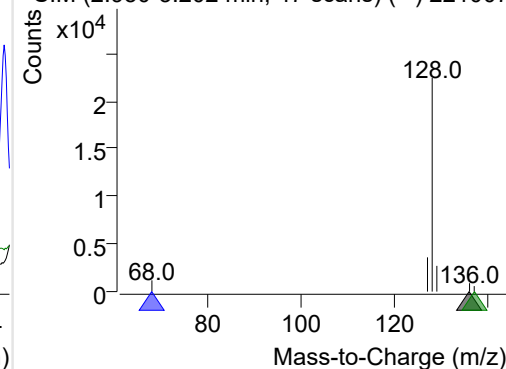
+ Selected Ion (136.0) 221007-PAHs-026.D



136.0, 68.0, 137.0

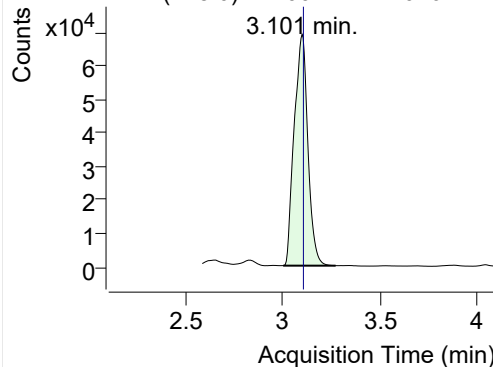


+ SIM (2.950-3.202 min, 47 scans) (**) 221007

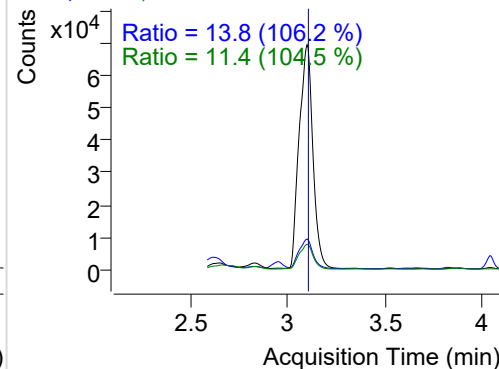


Naphthalene

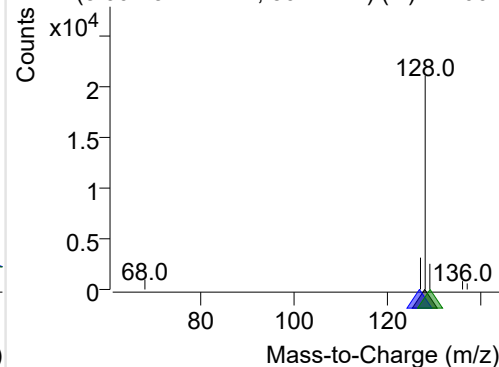
+ Selected Ion (128.0) 221007-PAHs-026.D



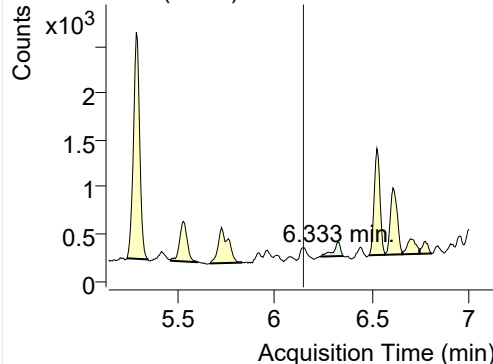
128.0, 127.0, 129.0



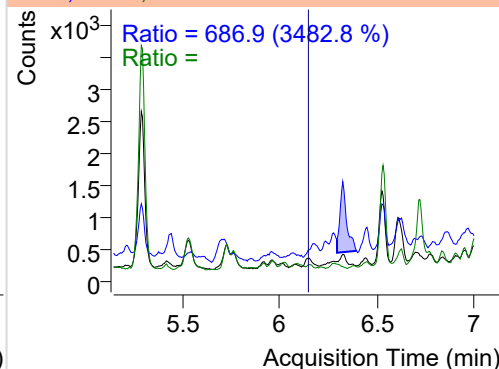
+ SIM (3.004-3.274 min, 50 scans) (**) 221007

**Acenaphthylene**

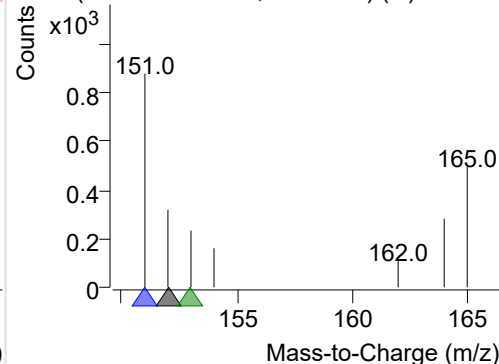
+ Selected Ion (152.0) 221007-PAHs-026.D



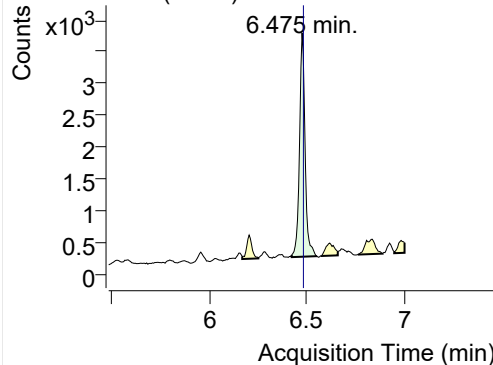
152.0, 151.0, 153.0



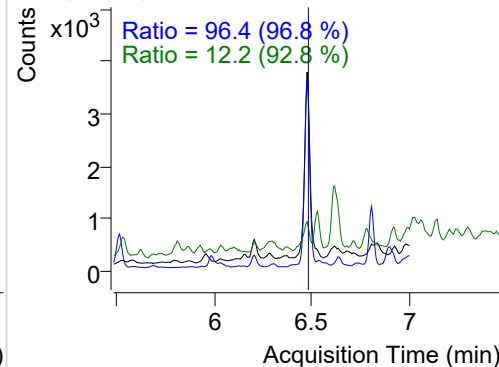
+ SIM (6.239-6.355 min, 19 scans) (**) 221007

**IS-D10-Acenaphthene**

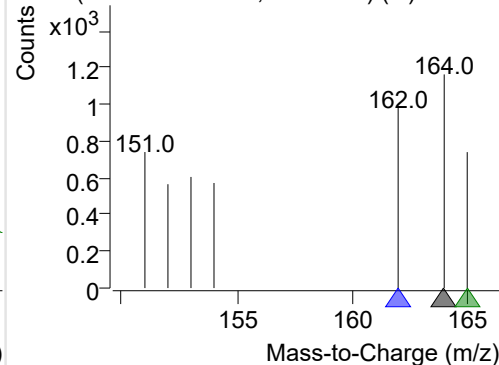
+ Selected Ion (164.0) 221007-PAHs-026.D



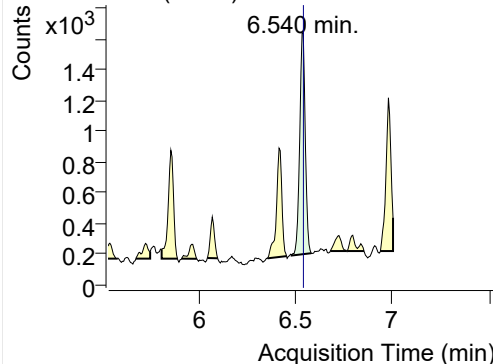
164.0, 162.0, 165.0



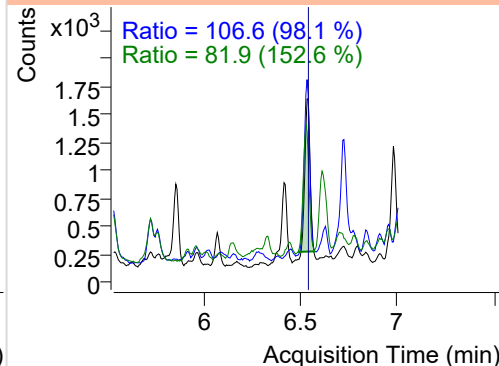
+ SIM (6.422-6.551 min, 22 scans) (**) 221007

**Acenaphthene**

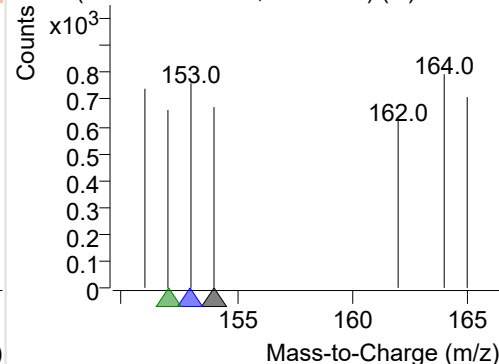
+ Selected Ion (154.0) 221007-PAHs-026.D



154.0, 153.0, 152.0

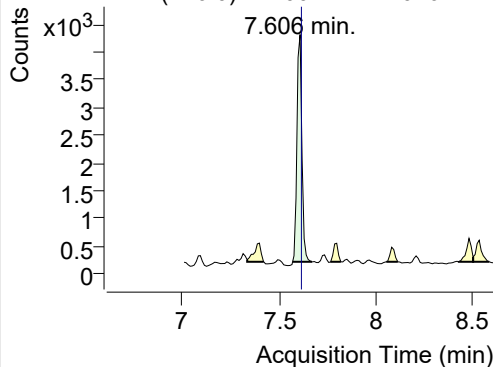


+ SIM (6.481-6.581 min, 17 scans) (**) 221007

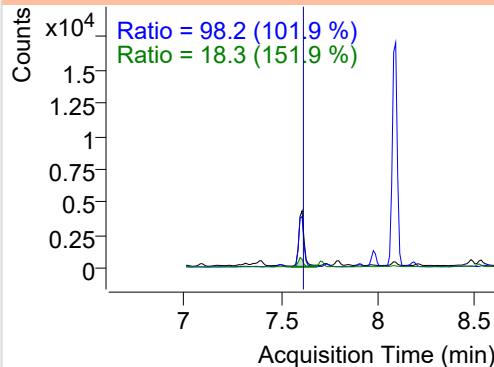


LSS-D10-Fluorene

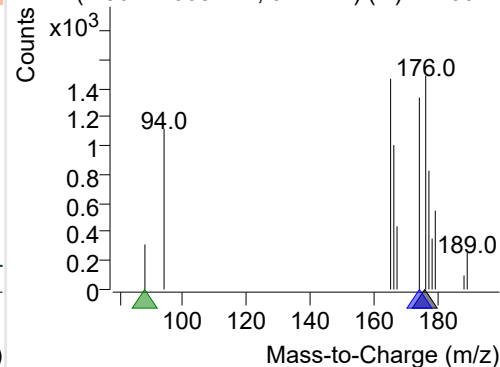
+ Selected Ion (176.0) 221007-PAHs-026.D



176.0, 174.0, 88.0

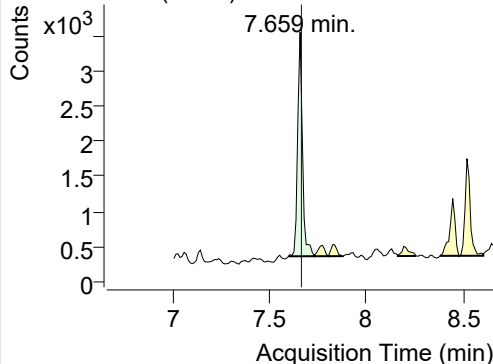


+ SIM (7.567-7.668 min, 9 scans) (**) 221007-I

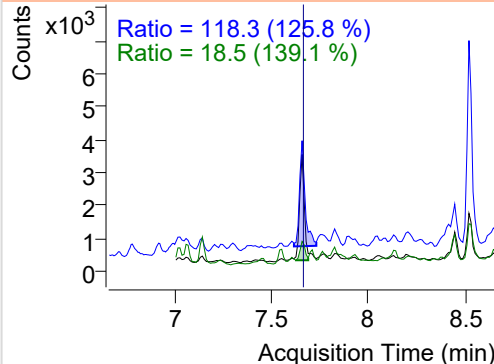


Fluorene

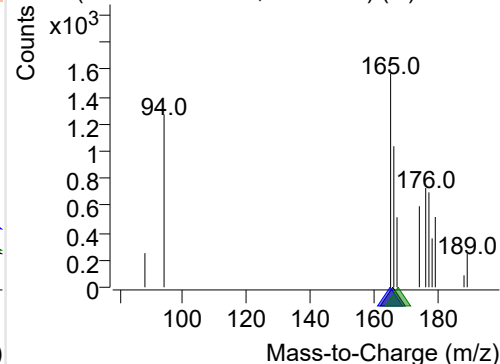
+ Selected Ion (166.0) 221007-PAHs-026.D



166.0, 165.0, 167.0

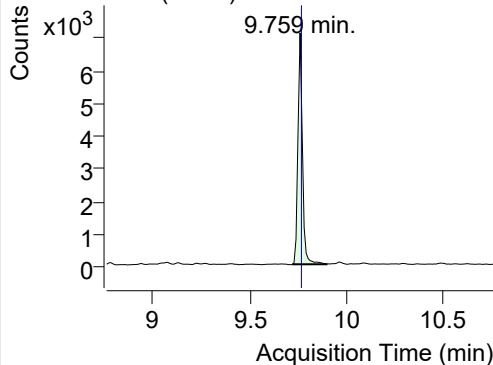


+ SIM (7.599-7.732 min, 13 scans) (**) 221007

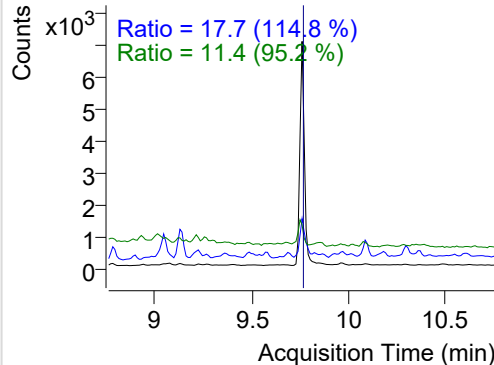


IS-D10-Phenanthrene

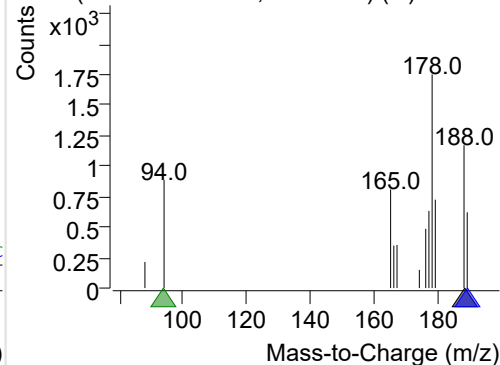
+ Selected Ion (188.0) 221007-PAHs-026.D



188.0, 189.0, 94.0

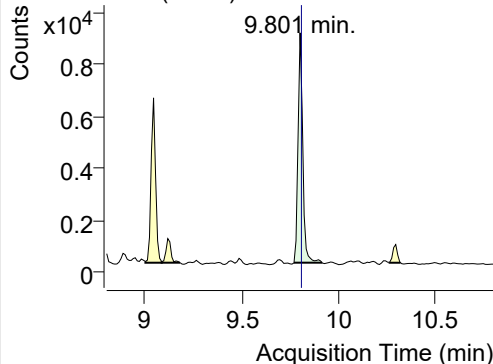


+ SIM (9.719-9.895 min, 17 scans) (**) 221007

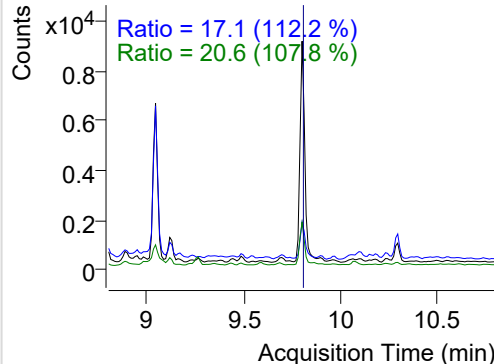


Phenanthrene

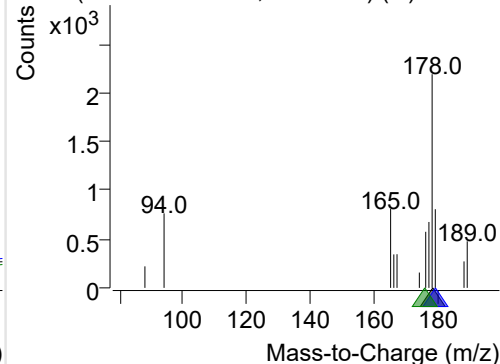
+ Selected Ion (178.0) 221007-PAHs-026.D



178.0, 179.0, 176.0

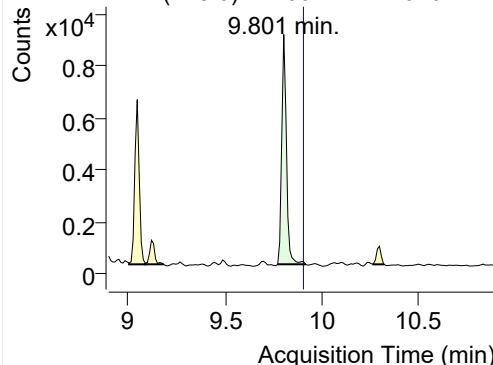


+ SIM (9.770-9.914 min, 13 scans) (**) 221007

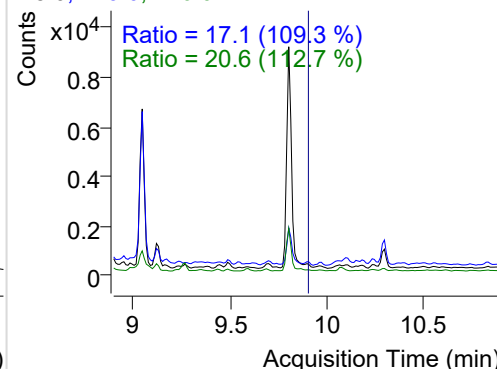


Anthracene

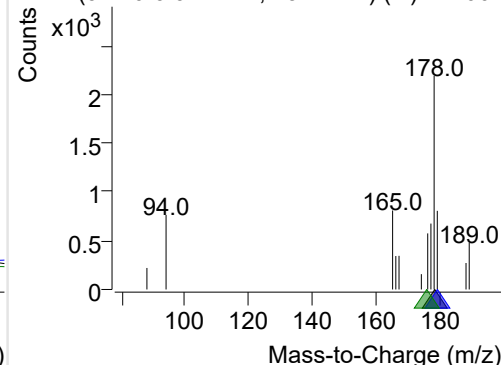
+ Selected Ion (178.0) 221007-PAHs-026.D



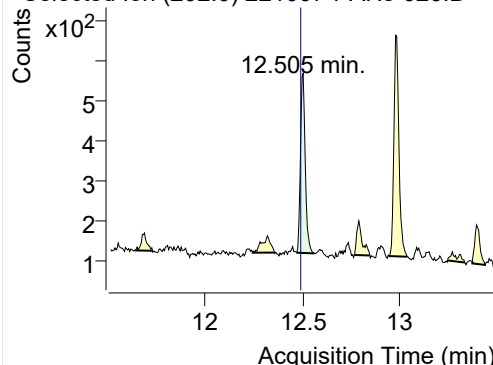
178.0, 179.0, 176.0



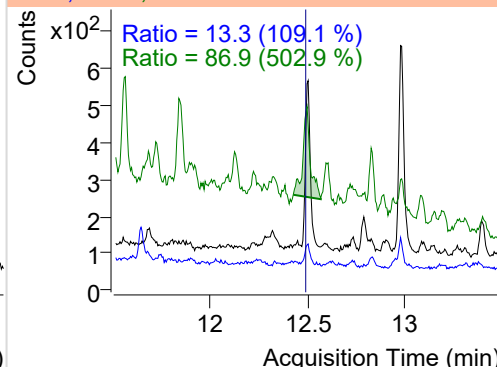
+ SIM (9.770-9.914 min, 13 scans) (**) 221007

**Fluoranthene**

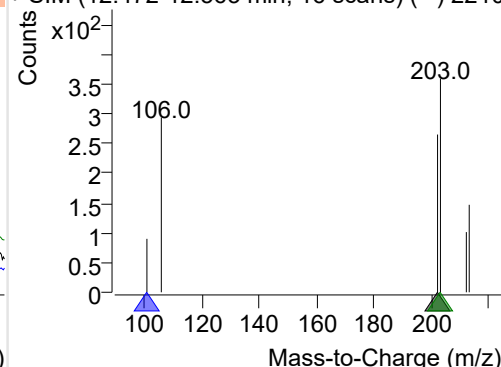
+ Selected Ion (202.0) 221007-PAHs-026.D



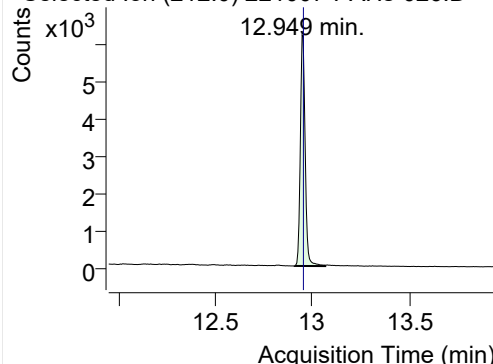
202.0, 101.0, 203.0



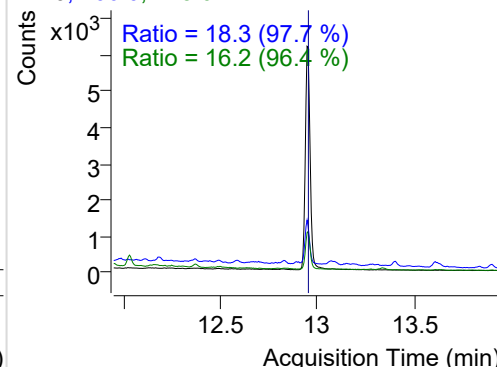
+ SIM (12.472-12.563 min, 16 scans) (**) 2210

**LSS-D10-Pyrene**

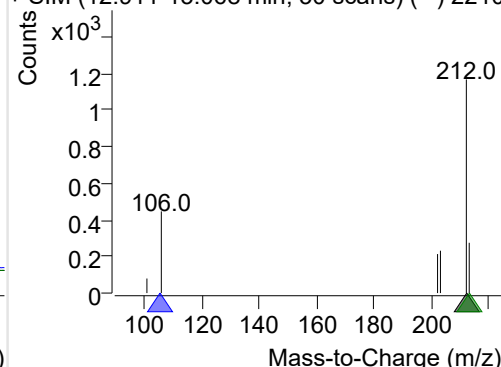
+ Selected Ion (212.0) 221007-PAHs-026.D



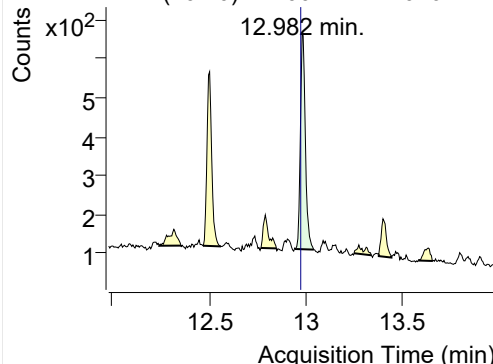
212.0, 106.0, 213.0



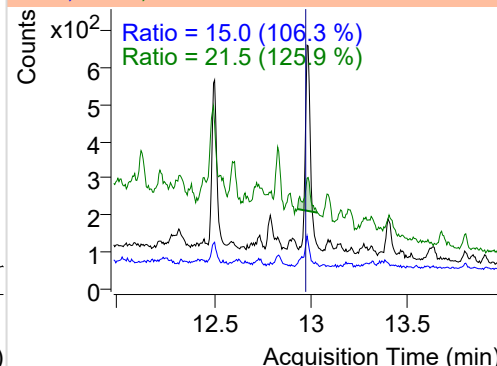
+ SIM (12.911-13.068 min, 30 scans) (**) 2210

**Pyrene**

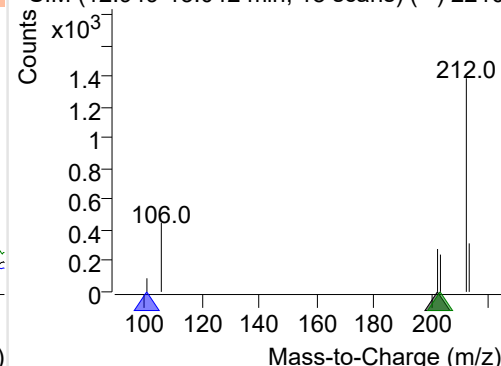
+ Selected Ion (202.0) 221007-PAHs-026.D



202.0, 101.0, 203.0



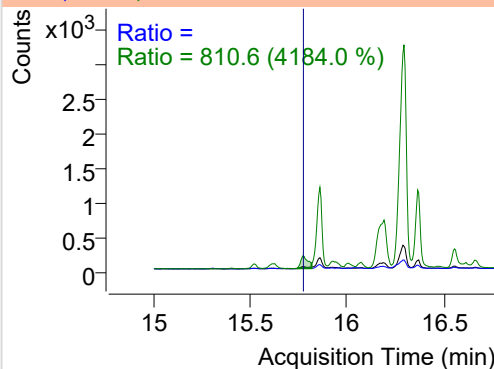
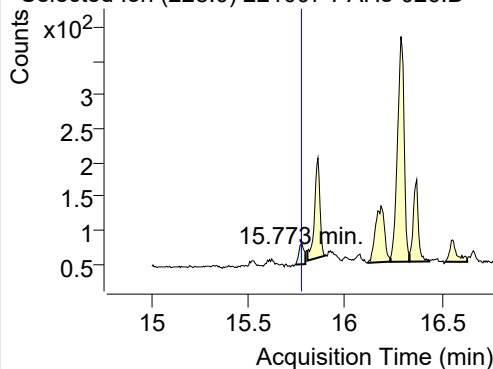
+ SIM (12.949-13.042 min, 18 scans) (**) 2210



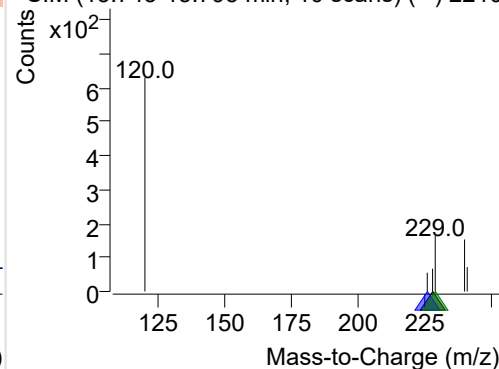
Benz(a)anthracene

+ Selected Ion (228.0) 221007-PAHs-026.D

228.0, 226.0, 229.0

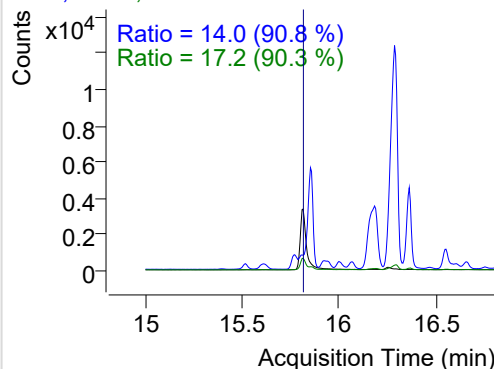
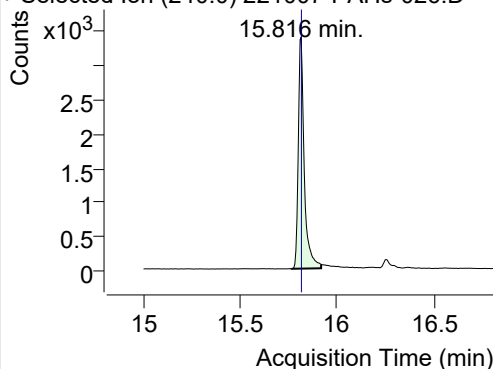


+ SIM (15.743-15.795 min, 10 scans) (**) 2210

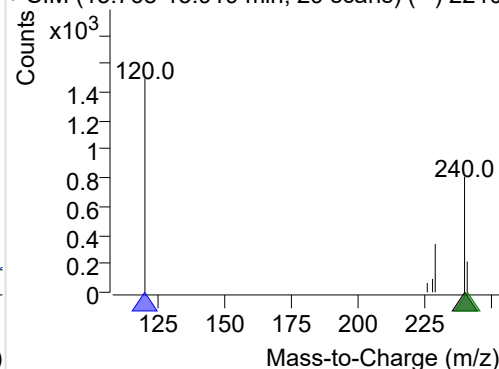
**IS-D12-Chrysene**

+ Selected Ion (240.0) 221007-PAHs-026.D

240.0, 120.0, 241.0

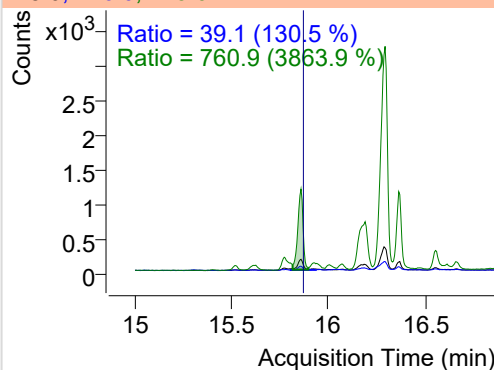
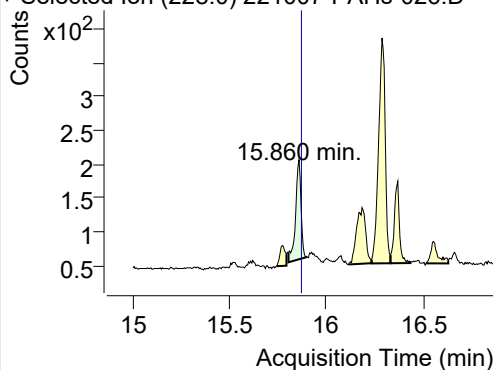


+ SIM (15.768-15.919 min, 29 scans) (**) 2210

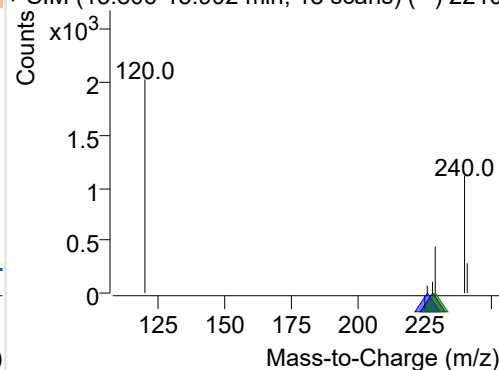
**Chrysene**

+ Selected Ion (228.0) 221007-PAHs-026.D

228.0, 226.0, 229.0

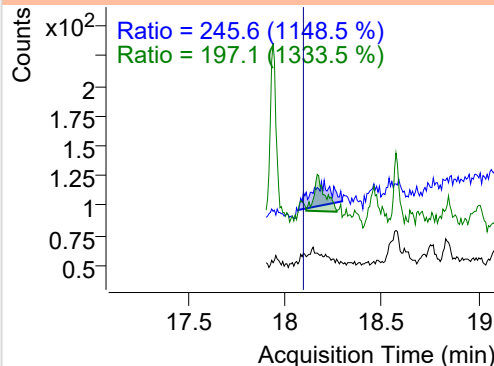
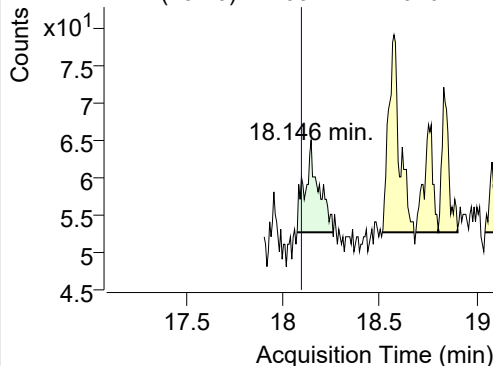


+ SIM (15.806-15.902 min, 18 scans) (**) 2210

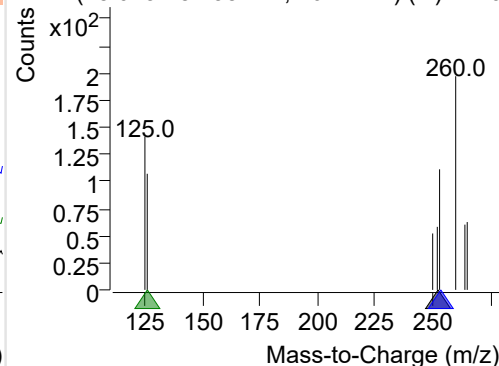
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 221007-PAHs-026.D

252.0, 253.0, 126.0



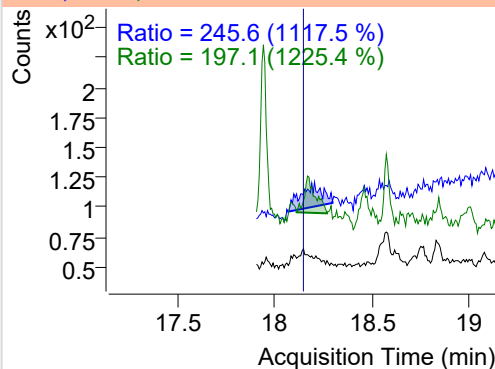
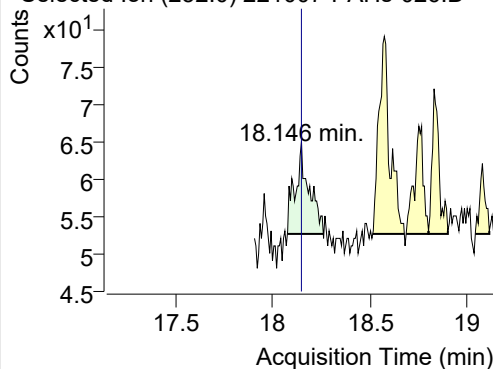
+ SIM (18.073-18.258 min, 26 scans) (**) 2210



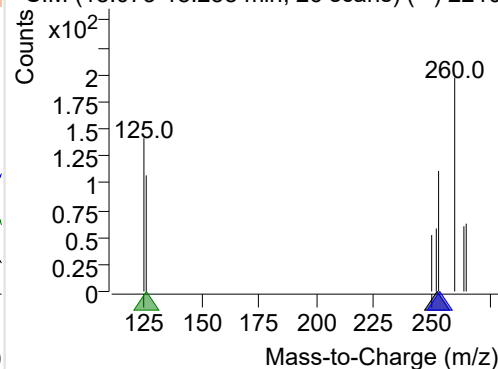
Benzo(k)fluoranthene

+ Selected Ion (252.0) 221007-PAHs-026.D

252.0, 253.0, 126.0

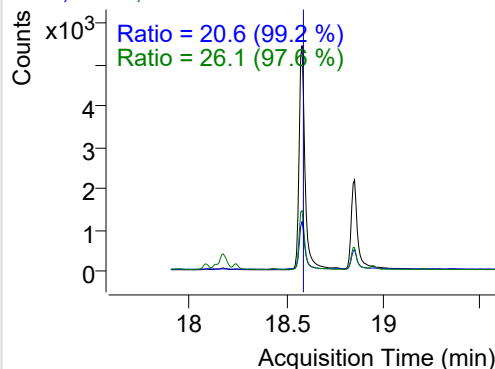
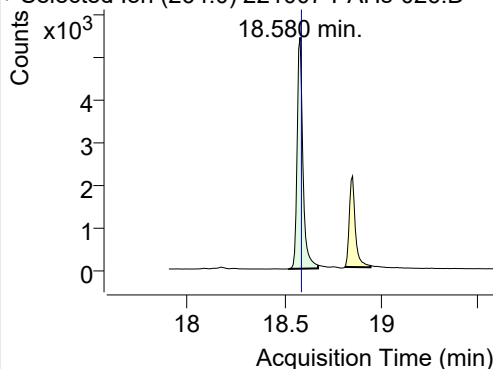


+ SIM (18.073-18.258 min, 26 scans) (**) 2210

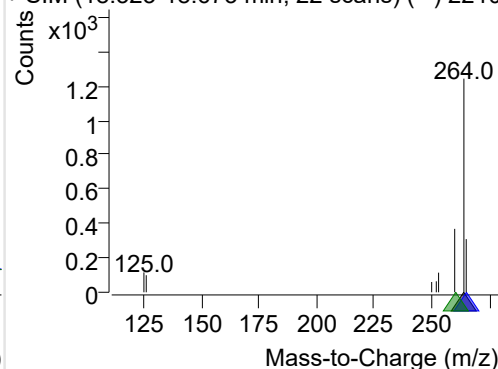
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 221007-PAHs-026.D

264.0, 265.0, 260.0

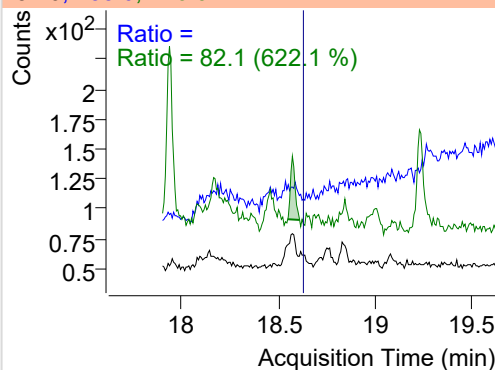
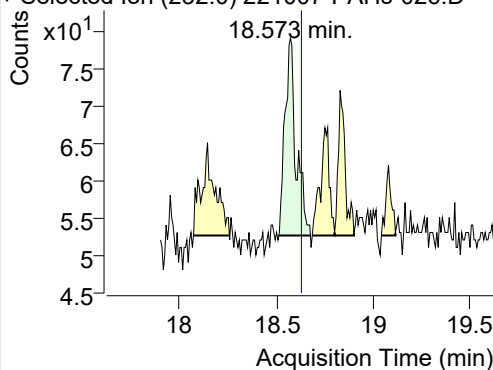


+ SIM (18.523-18.673 min, 22 scans) (**) 2210

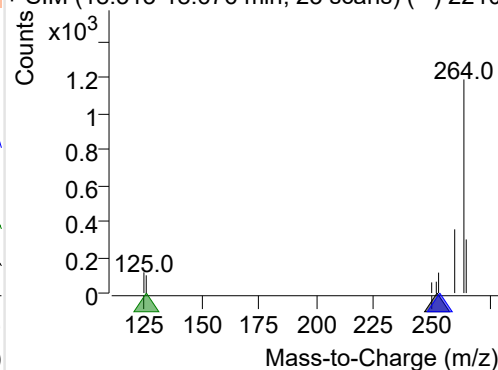
**Benzo(e)pyrene**

+ Selected Ion (252.0) 221007-PAHs-026.D

252.0, 253.0, 126.0

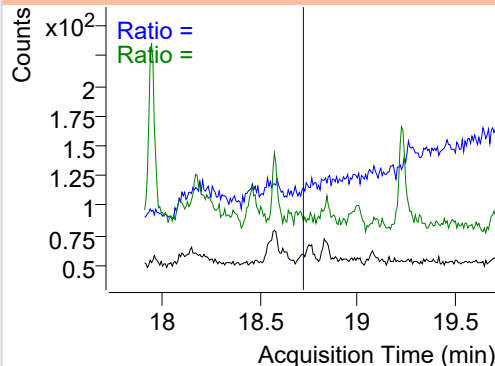
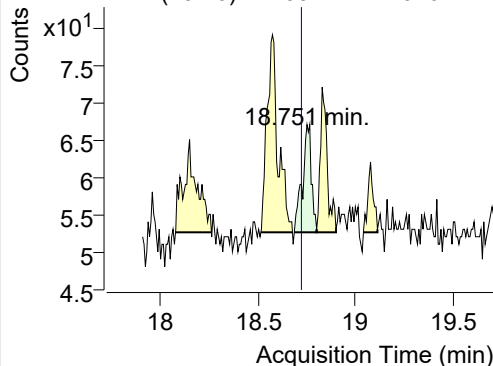


+ SIM (18.513-18.676 min, 23 scans) (**) 2210

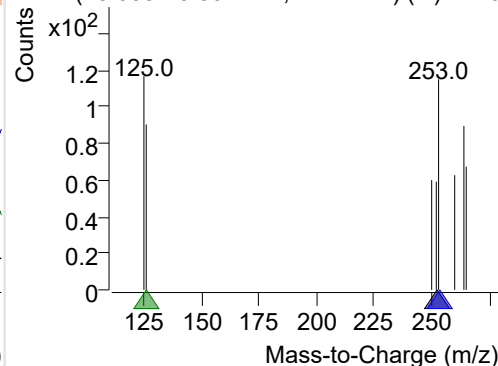
**Benzo(a)pyrene**

+ Selected Ion (252.0) 221007-PAHs-026.D

252.0, 253.0, 126.0

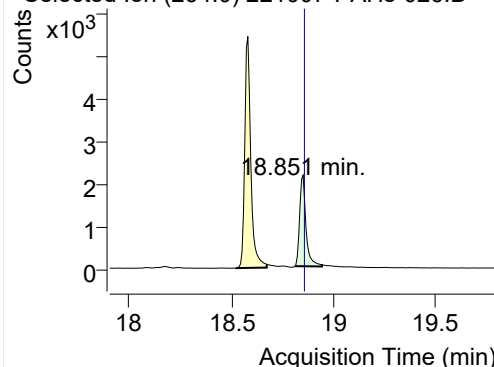


+ SIM (18.685-18.801 min, 17 scans) (**) 2210

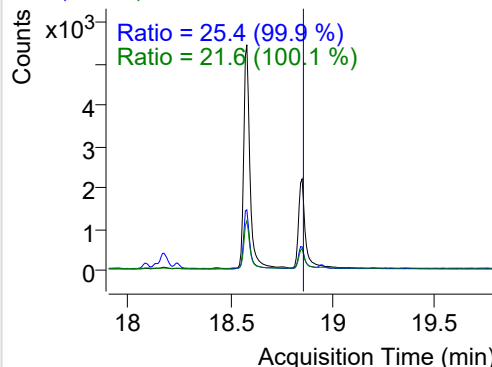


IS-D12-Perylene

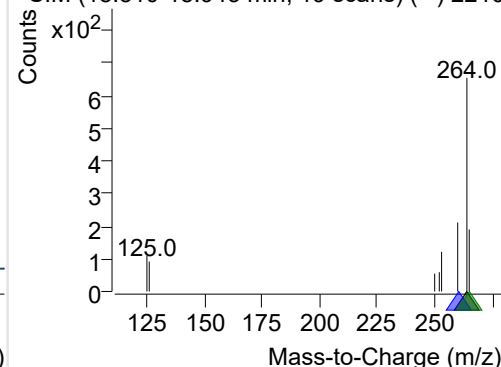
+ Selected Ion (264.0) 221007-PAHs-026.D



264.0, 260.0, 265.0

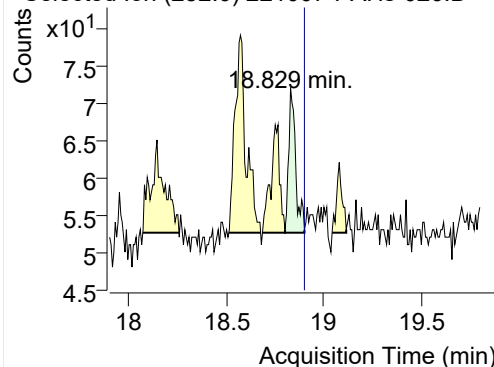


+ SIM (18.810-18.943 min, 19 scans) (**) 2210

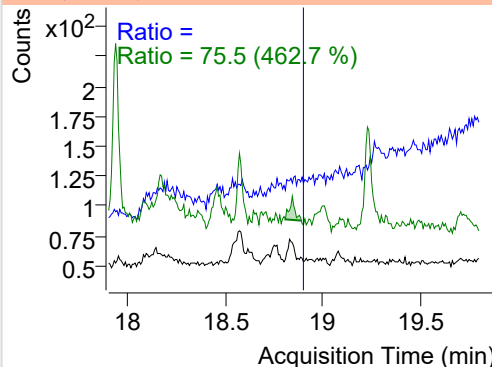


Perylene

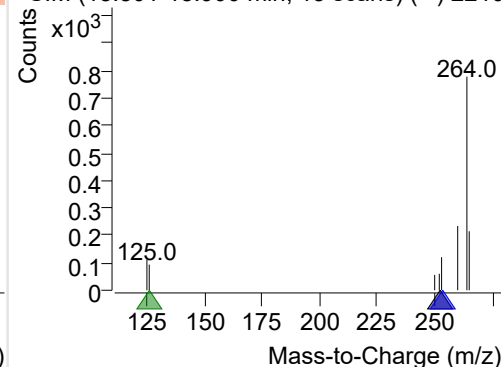
+ Selected Ion (252.0) 221007-PAHs-026.D



252.0, 253.0, 126.0

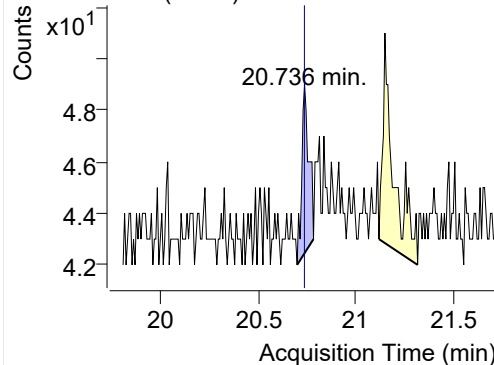


+ SIM (18.801-18.900 min, 15 scans) (**) 2210

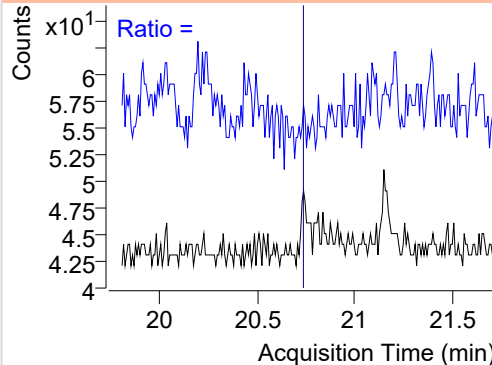


Indeno(1,2,3-c,d)pyrene

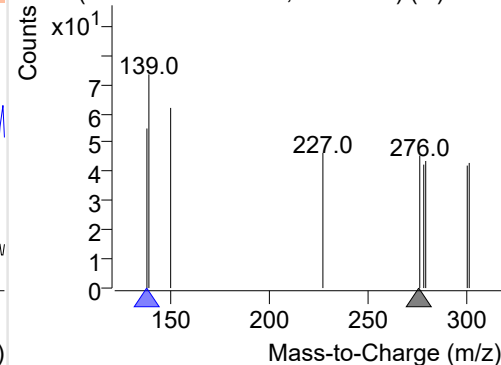
+ Selected Ion (276.0) 221007-PAHs-026.D



276.0, 138.0

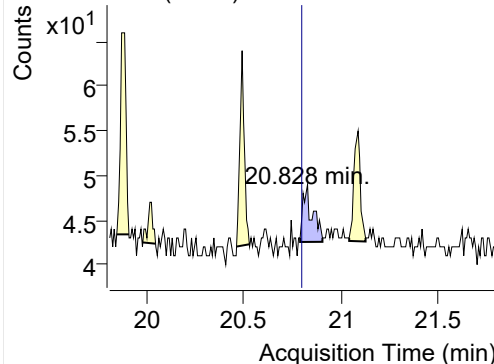


+ SIM (20.698-20.782 min, 12 scans) (**) 2210

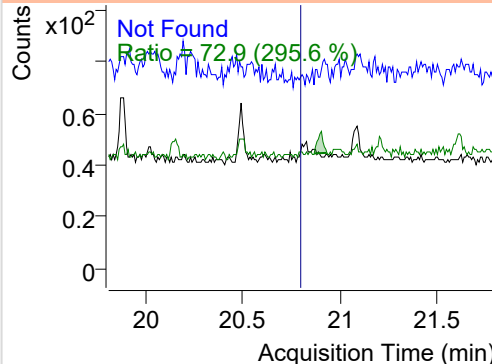


Dibenz(a,h)anthracene

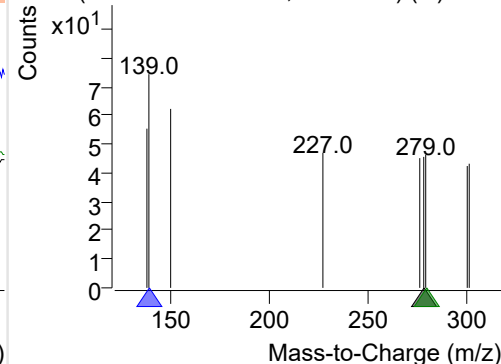
+ Selected Ion (278.0) 221007-PAHs-026.D



278.0, 139.0, 279.0



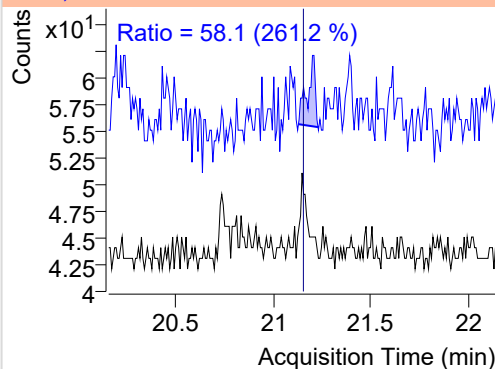
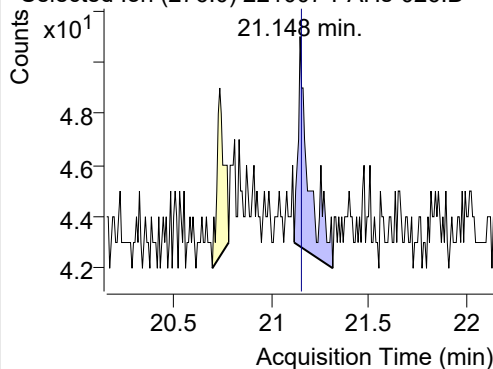
+ SIM (20.789-20.904 min, 16 scans) (**) 2210



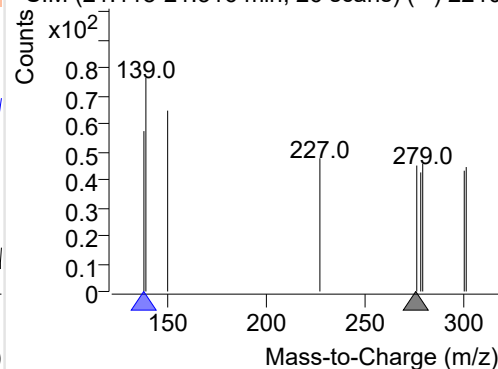
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 221007-PAHs-026.D

276.0, 138.0

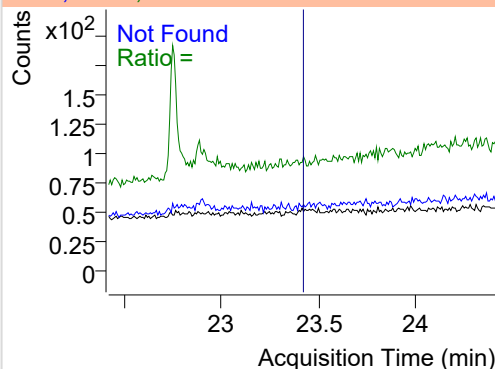
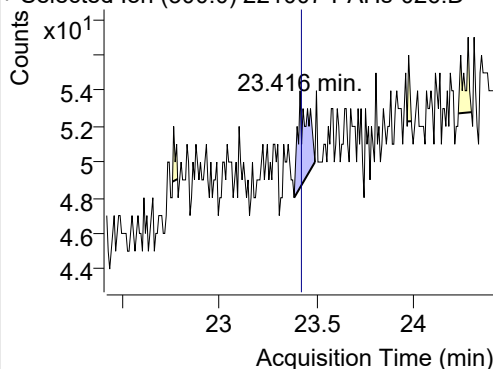


+ SIM (21.118-21.316 min, 26 scans) (**) 2210

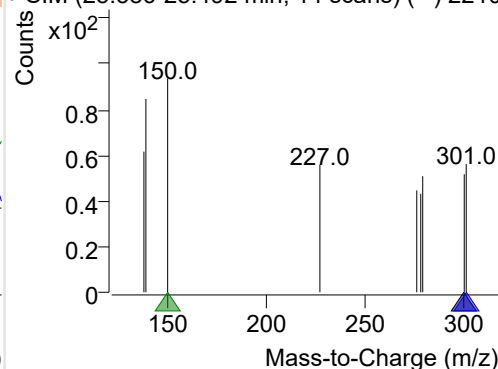
**Coronene**

+ Selected Ion (300.0) 221007-PAHs-026.D

300.0, 301.0, 150.0



+ SIM (23.386-23.492 min, 14 scans) (**) 2210



Quantitative Analysis Sample Based Report

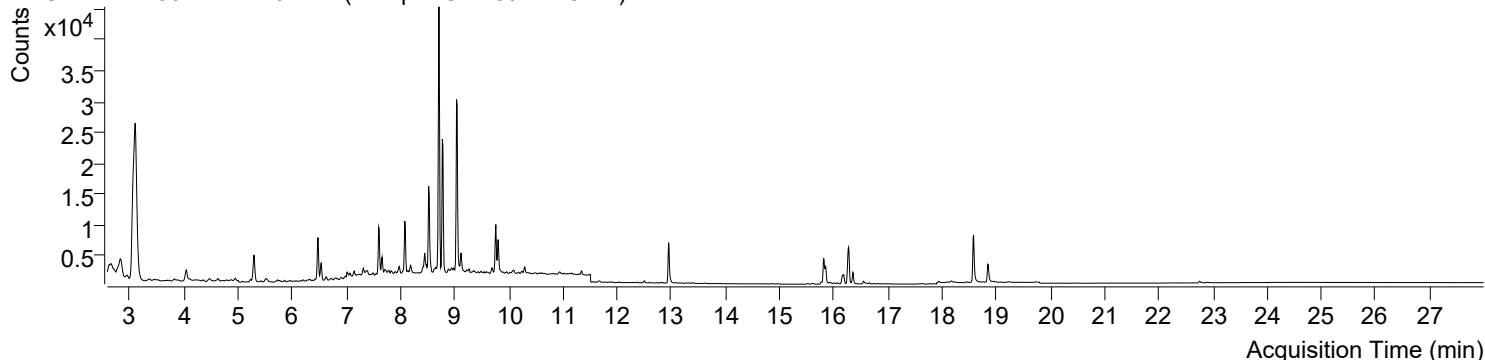


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-08 오전 12:55:15	Data File	221007-PAHs-027.D
Type	Sample	Name	Sample-Gas-0914-10DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

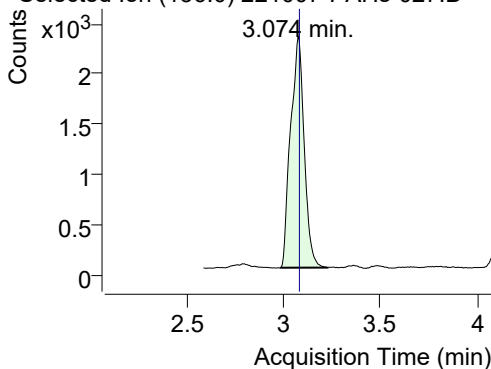
+ TIC SIM 221007-PAHs-027.D (Sample-Gas-0914-10DIL)



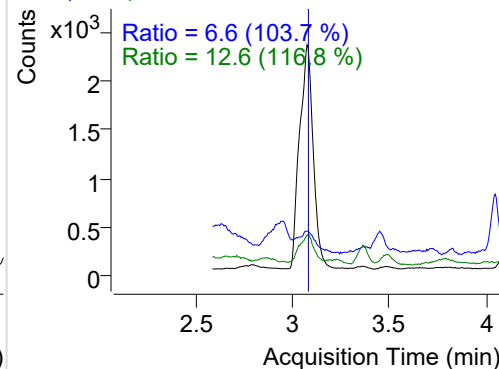
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.074	136.0	11191	2300.65	ND ng/ml	12.6
Naphthalene	3.101	128.0	92935	19115.56	ND ng/ml	13.6
Acenaphthylene	6.149	152.0	113	58.58	ND ng/ml	
IS-D10-Acenaphthene	6.475	164.0	6174	3297.48	ND ng/ml	99.1
Acenaphthene	6.534	154.0	1560	819.58	ND ng/ml	113.4
LSS-D10-Fluorene	7.606	176.0	5950	3207.85	ND ng/ml	96.2
Fluorene	7.659	166.0	2284	1200.94	ND ng/ml	120.9
IS-D10-Phenanthrene	9.759	188.0	10632	6286.55	ND ng/ml	16.9
Phenanthrene	9.801	178.0	5800	3315.37	ND ng/ml	19.5
Anthracene	9.801	178.0	5800	3315.37	ND ng/ml	19.5
Fluoranthene	12.504	202.0	330	195.47	ND ng/ml	45.1
LSS-D10-Pyrene	12.954	212.0	8272	4727.40	ND ng/ml	18.3
Pyrene	12.987	202.0	533	291.82	ND ng/ml	24.9
Benz(a)anthracene	15.854	228.0	167	59.23	ND ng/ml	49.5
IS-D12-Chrysene	15.811	240.0	6442	2982.60	ND ng/ml	19.8
Chrysene	15.854	228.0	167	59.23	ND ng/ml	49.5
Benzo(b)fluoranthene	18.139	252.0	39	8.84	ND ng/ml	
Benzo(k)fluoranthene	18.139	252.0	39	8.84	ND ng/ml	
SS-D12-Benzo(e)pyrene	18.580	264.0	10625	5222.92	ND ng/ml	26.2
Benzo(e)pyrene	18.580	252.0	79	24.84	ND ng/ml	
Benzo(a)pyrene	18.758	252.0	28	10.84	ND ng/ml	
IS-D12-Perylene	18.843	264.0	4465	1961.00	ND ng/ml	24.6
Perylene	18.829	252.0	36	13.84	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	20.751	276.0	15	5.00	ND ng/ml	
Dibenz(a,h)anthracene	20.812	278.0	15	6.84	ND ng/ml	87.6
Benzo(g,h,i)perylene	21.156	276.0	16	5.29	ND ng/ml	47.6
Coronene		300.0			ND ng/ml	

IS-D8-Naphthalene

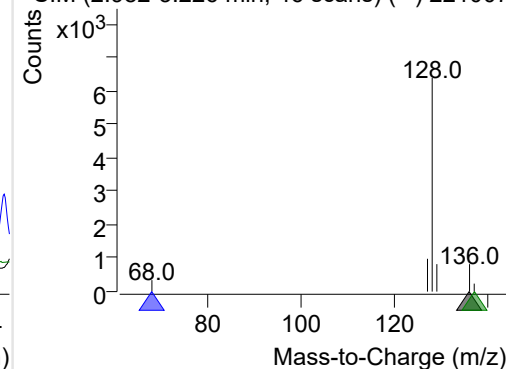
+ Selected Ion (136.0) 221007-PAHs-027.D



136.0, 68.0, 137.0

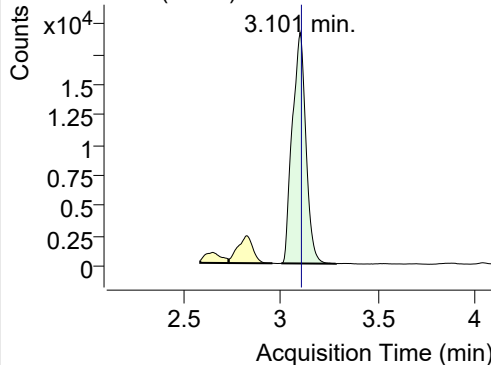


+ SIM (2.982-3.226 min, 46 scans) (**) 221007

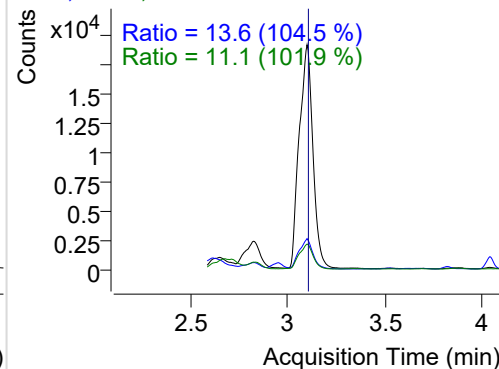


Naphthalene

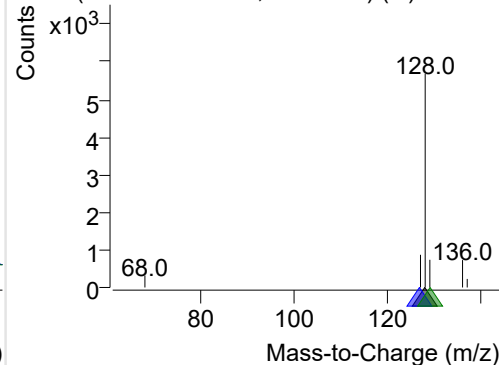
+ Selected Ion (128.0) 221007-PAHs-027.D



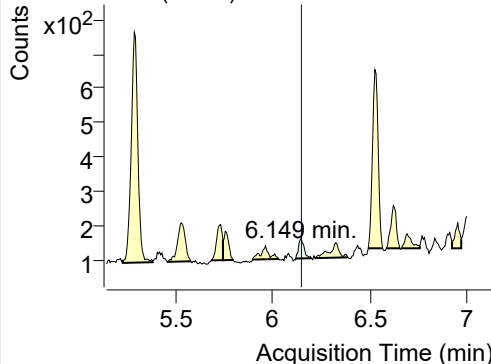
128.0, 127.0, 129.0



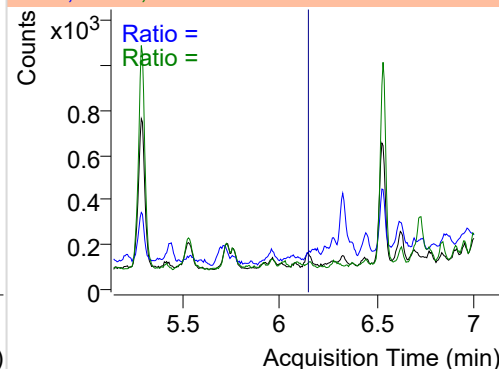
+ SIM (3.004-3.285 min, 52 scans) (**) 221007

**Acenaphthylene**

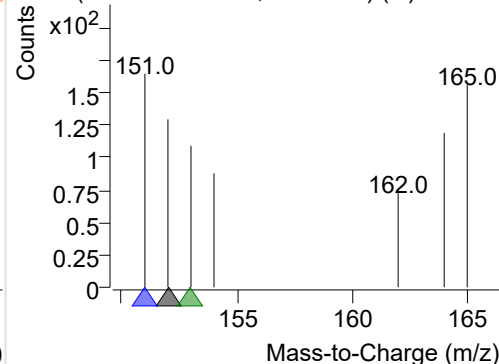
+ Selected Ion (152.0) 221007-PAHs-027.D



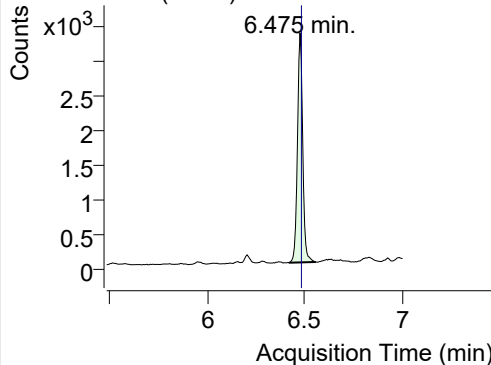
152.0, 151.0, 153.0



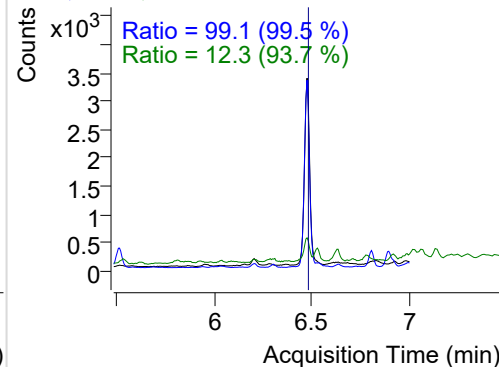
+ SIM (6.121-6.201 min, 13 scans) (**) 221007

**IS-D10-Acenaphthene**

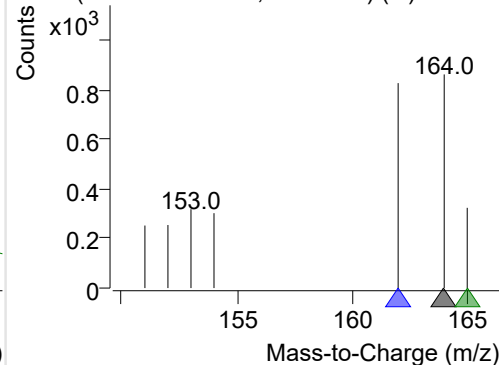
+ Selected Ion (164.0) 221007-PAHs-027.D



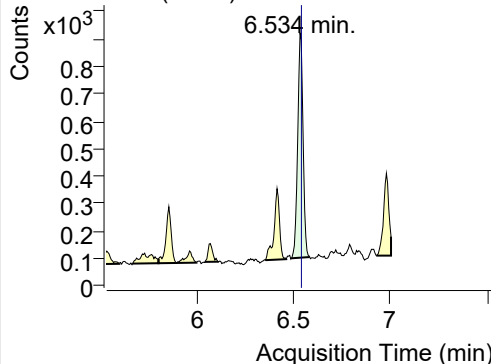
164.0, 162.0, 165.0



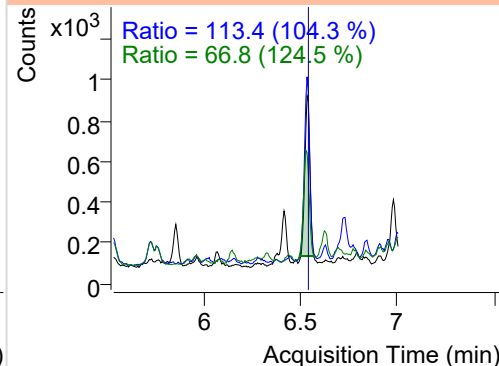
+ SIM (6.422-6.556 min, 23 scans) (**) 221007

**Acenaphthene**

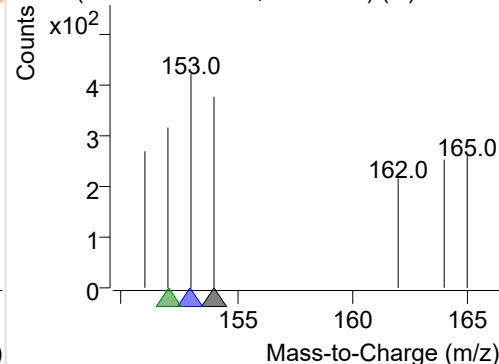
+ Selected Ion (154.0) 221007-PAHs-027.D



154.0, 153.0, 152.0

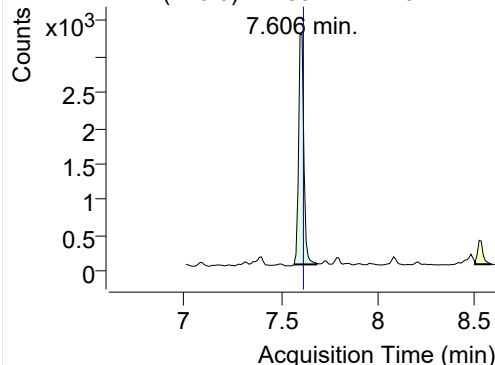


+ SIM (6.489-6.583 min, 16 scans) (**) 221007

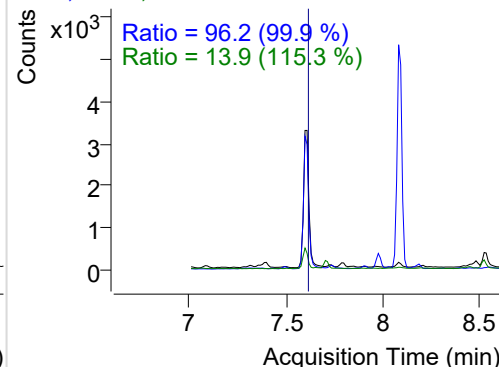


LSS-D10-Fluorene

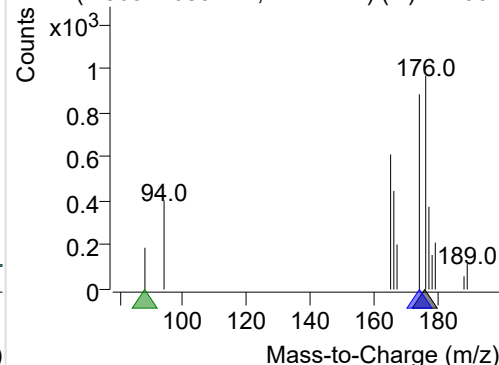
+ Selected Ion (176.0) 221007-PAHs-027.D



176.0, 174.0, 88.0

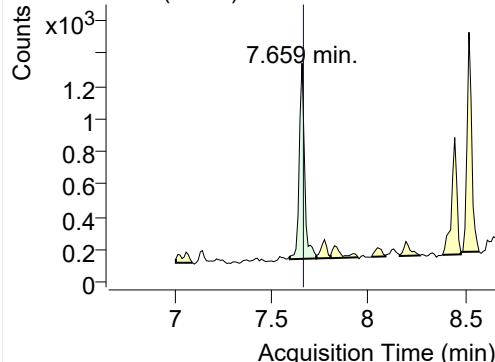


+ SIM (7.565-7.680 min, 11 scans) (**) 221007

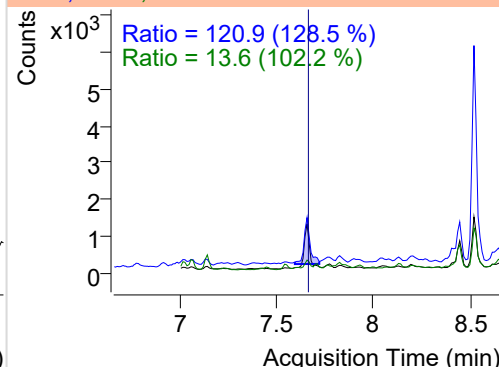


Fluorene

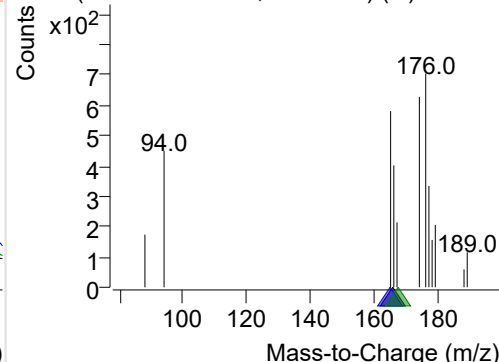
+ Selected Ion (166.0) 221007-PAHs-027.D



166.0, 165.0, 167.0

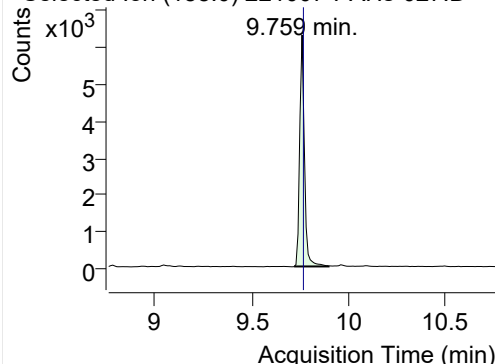


+ SIM (7.596-7.732 min, 14 scans) (**) 221007

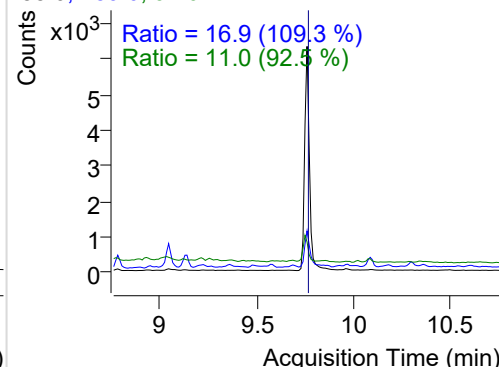


IS-D10-Phenanthrene

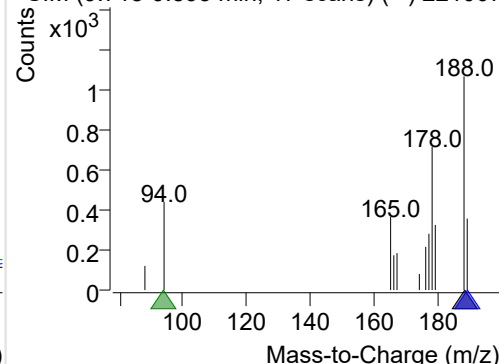
+ Selected Ion (188.0) 221007-PAHs-027.D



188.0, 189.0, 94.0

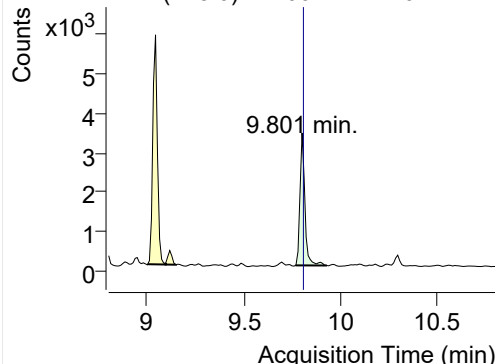


+ SIM (9.718-9.895 min, 17 scans) (**) 221007

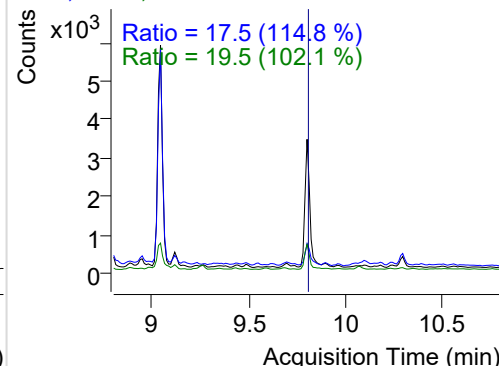


Phenanthrene

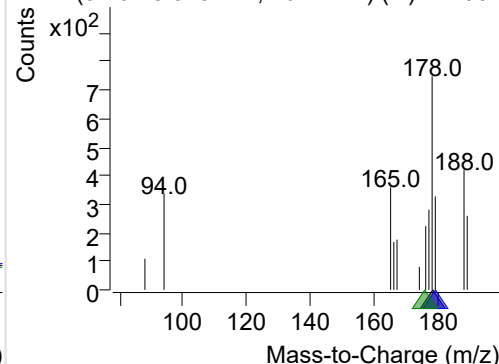
+ Selected Ion (178.0) 221007-PAHs-027.D



178.0, 179.0, 176.0

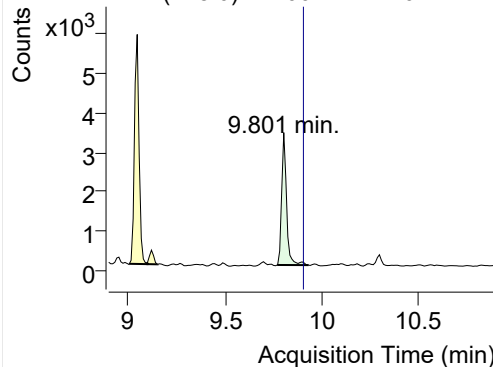


+ SIM (9.767-9.929 min, 16 scans) (**) 221007

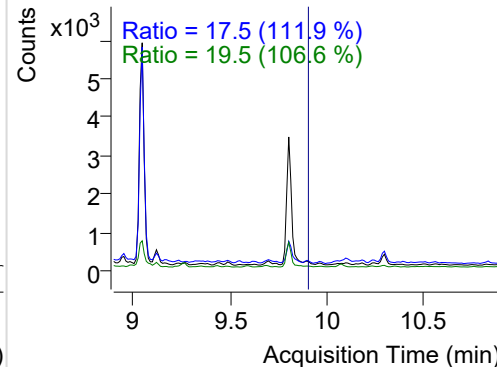


Anthracene

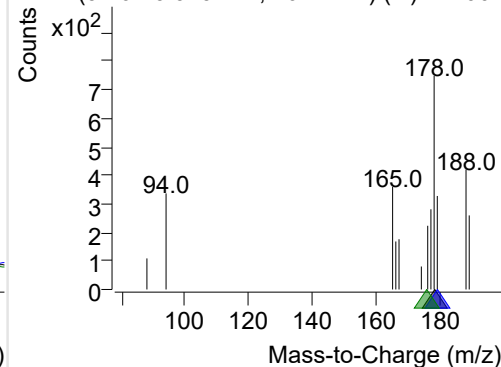
+ Selected Ion (178.0) 221007-PAHs-027.D



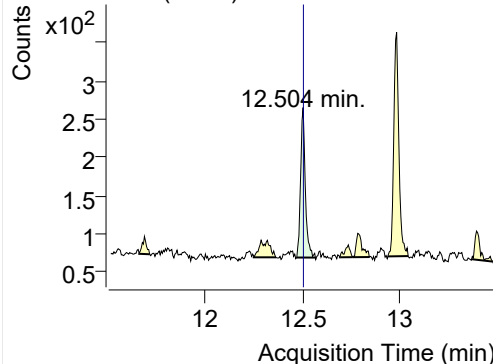
178.0, 179.0, 176.0



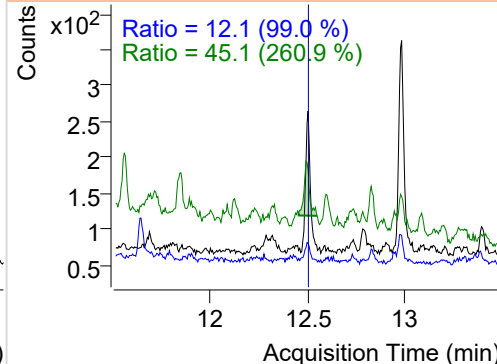
+ SIM (9.767-9.929 min, 16 scans) (**) 221007

**Fluoranthene**

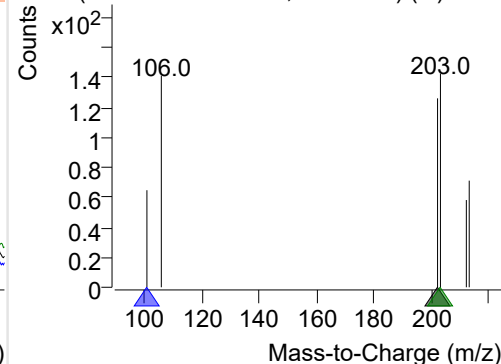
+ Selected Ion (202.0) 221007-PAHs-027.D



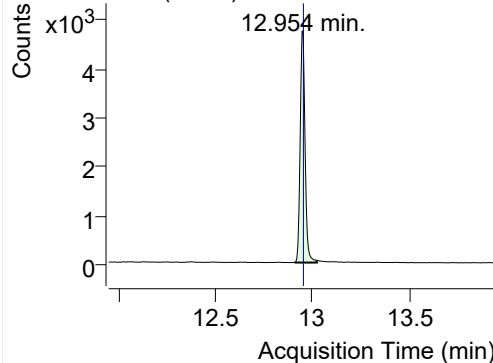
202.0, 101.0, 203.0



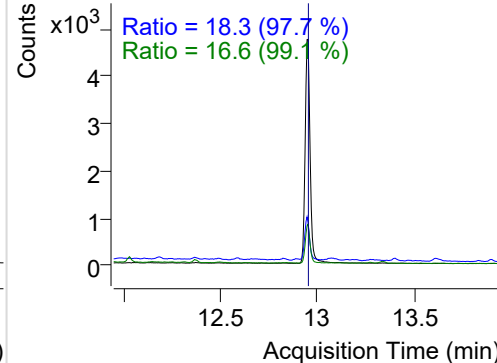
+ SIM (12.471-12.568 min, 18 scans) (**) 2210

**LSS-D10-Pyrene**

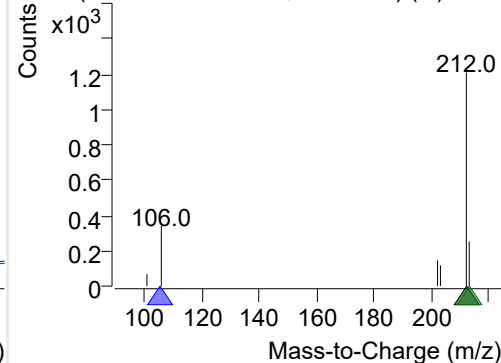
+ Selected Ion (212.0) 221007-PAHs-027.D



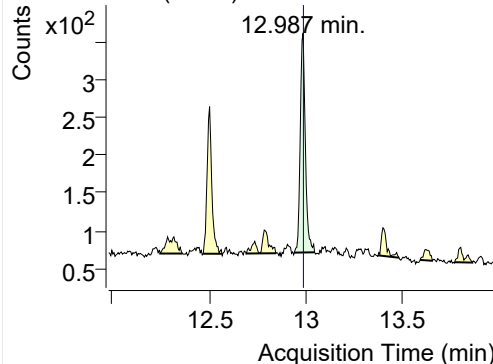
212.0, 106.0, 213.0



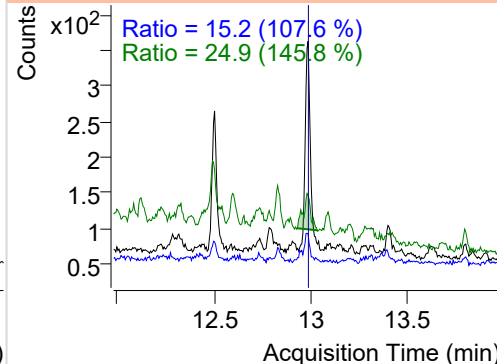
+ SIM (12.911-13.025 min, 22 scans) (**) 2210

**Pyrene**

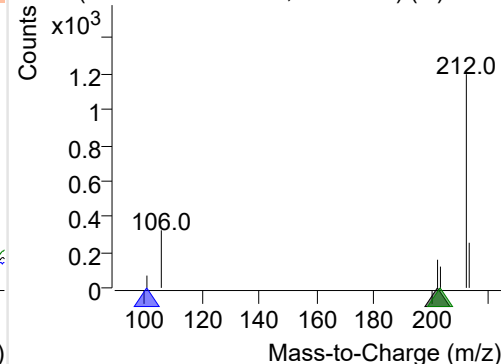
+ Selected Ion (202.0) 221007-PAHs-027.D



202.0, 101.0, 203.0



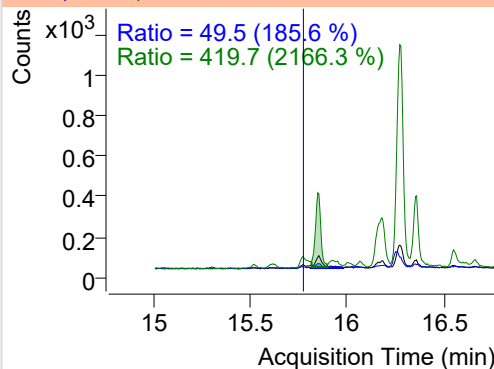
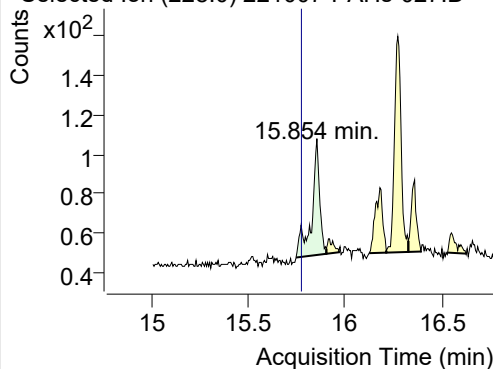
+ SIM (12.941-13.046 min, 19 scans) (**) 2210



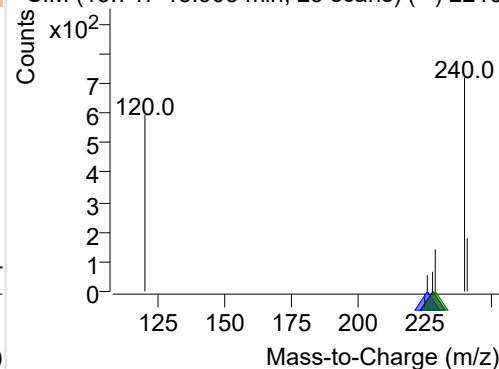
Benz(a)anthracene

+ Selected Ion (228.0) 221007-PAHs-027.D

228.0, 226.0, 229.0

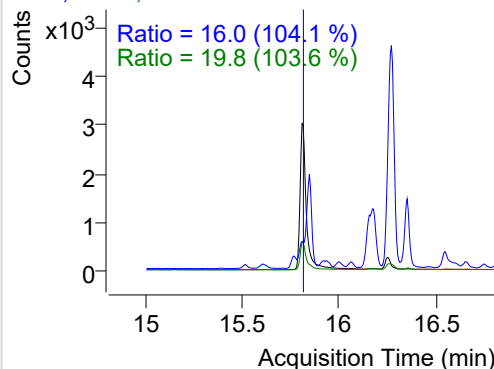
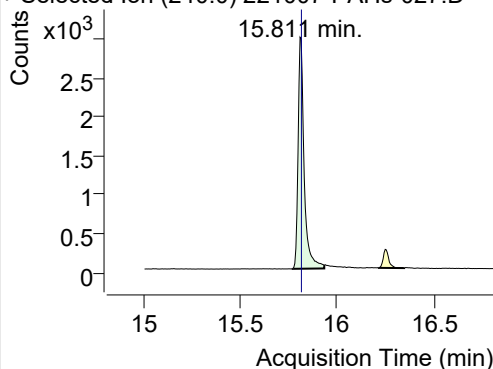


+ SIM (15.747-15.903 min, 29 scans) (**) 2210

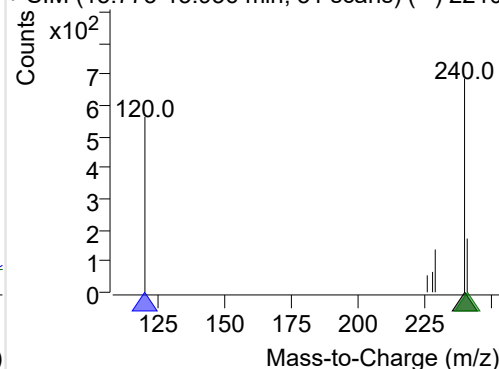
**IS-D12-Chrysene**

+ Selected Ion (240.0) 221007-PAHs-027.D

240.0, 120.0, 241.0

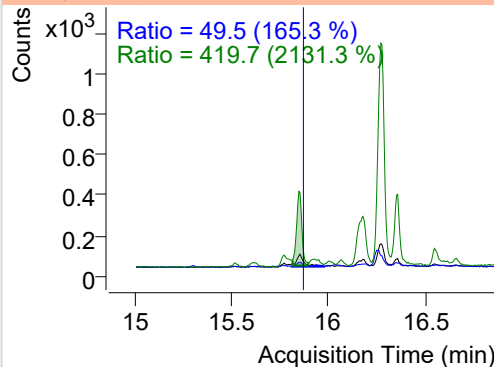
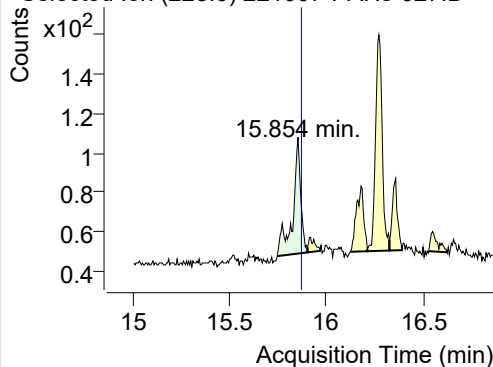


+ SIM (15.773-15.936 min, 31 scans) (**) 2210

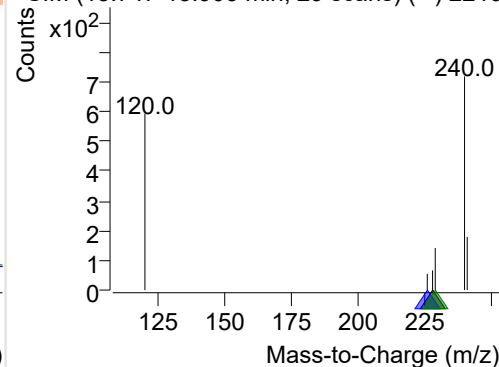
**Chrysene**

+ Selected Ion (228.0) 221007-PAHs-027.D

228.0, 226.0, 229.0

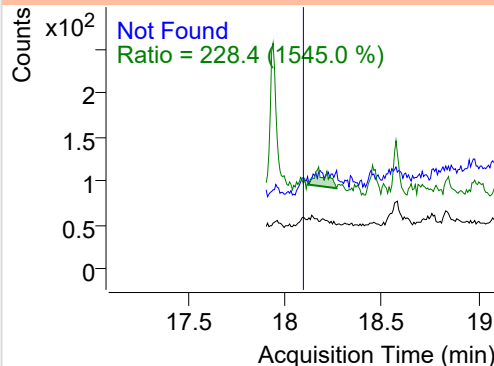
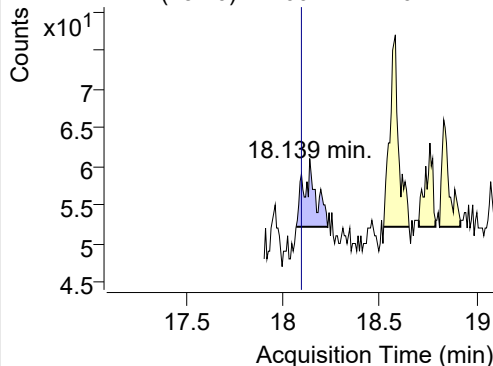


+ SIM (15.747-15.903 min, 29 scans) (**) 2210

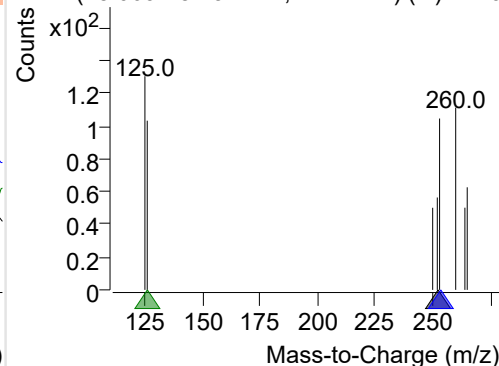
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 221007-PAHs-027.D

252.0, 253.0, 126.0



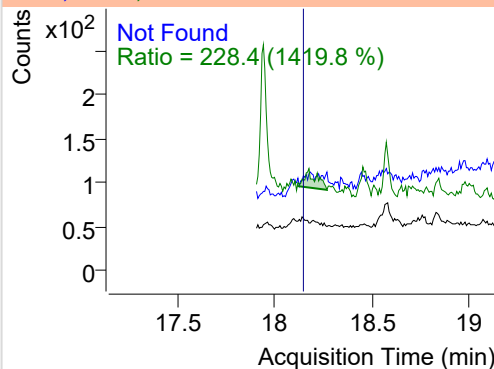
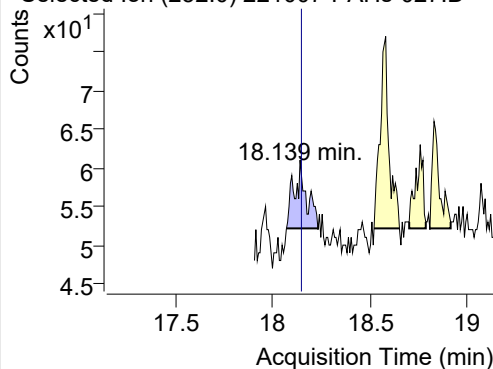
+ SIM (18.069-18.231 min, 22 scans) (**) 2210



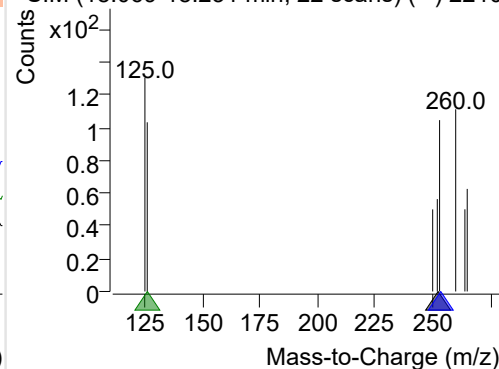
Benzo(k)fluoranthene

+ Selected Ion (252.0) 221007-PAHs-027.D

252.0, 253.0, 126.0

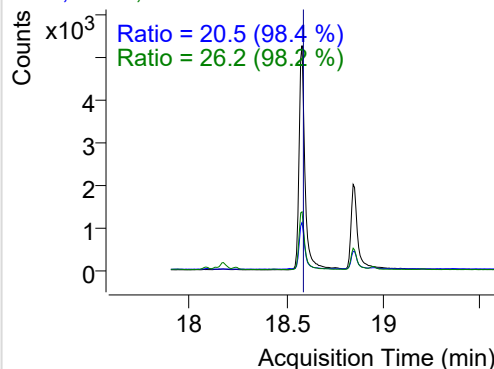
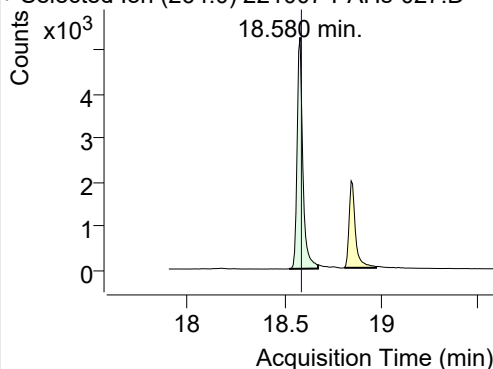


+ SIM (18.069-18.231 min, 22 scans) (**) 2210

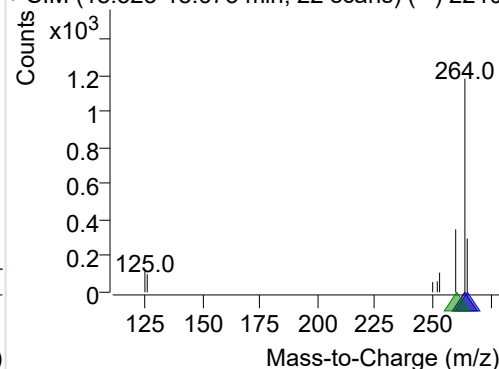
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 221007-PAHs-027.D

264.0, 265.0, 260.0

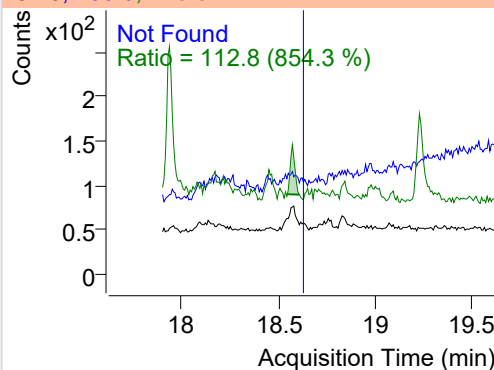
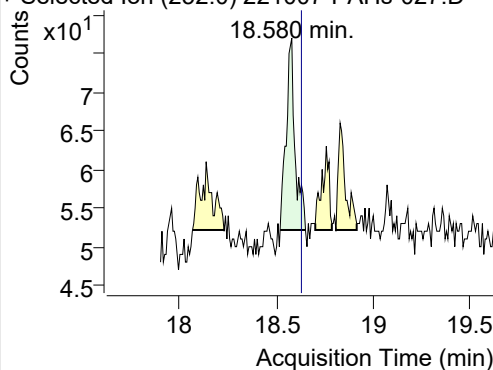


+ SIM (18.523-18.673 min, 22 scans) (**) 2210

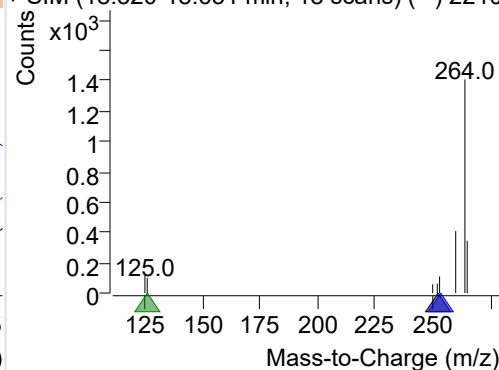
**Benzo(e)pyrene**

+ Selected Ion (252.0) 221007-PAHs-027.D

252.0, 253.0, 126.0

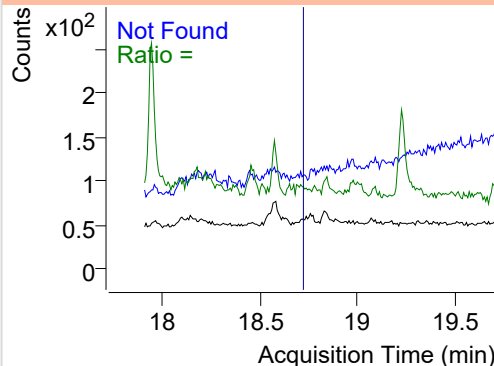
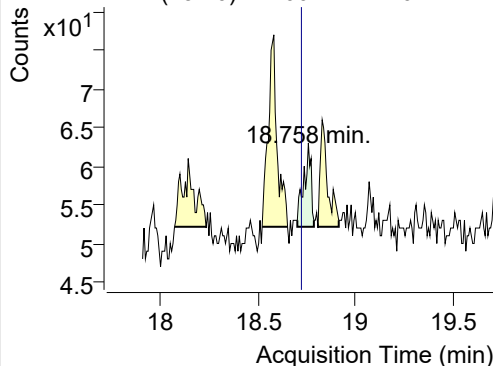


+ SIM (18.520-18.651 min, 18 scans) (**) 2210

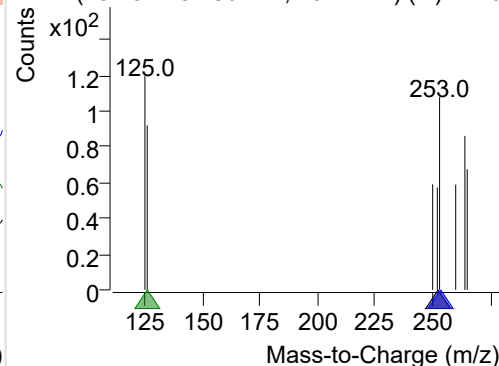
**Benzo(a)pyrene**

+ Selected Ion (252.0) 221007-PAHs-027.D

252.0, 253.0, 126.0

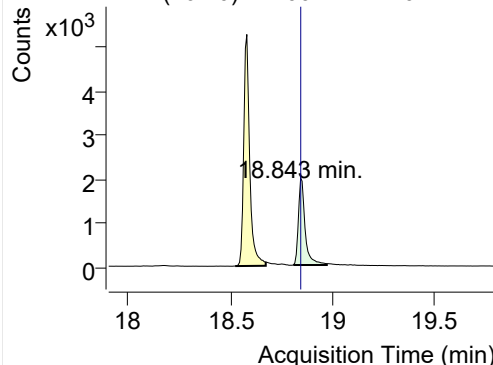


+ SIM (18.701-18.786 min, 13 scans) (**) 2210

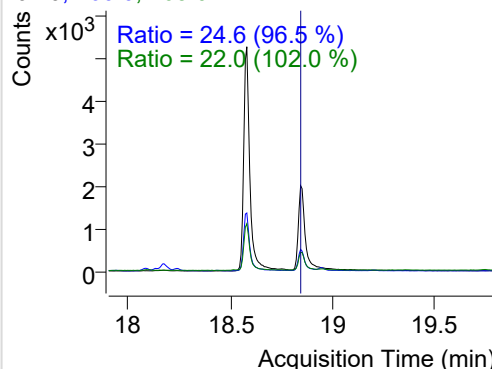


IS-D12-Perylene

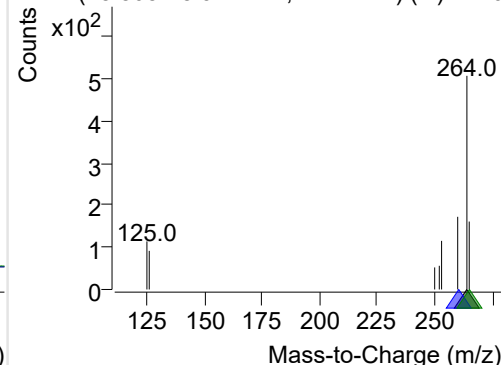
+ Selected Ion (264.0) 221007-PAHs-027.D



264.0, 260.0, 265.0

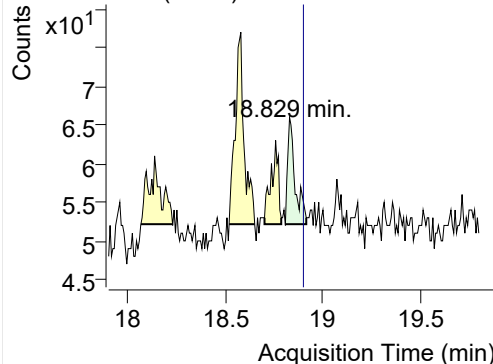


+ SIM (18.808-18.971 min, 24 scans) (**) 2210

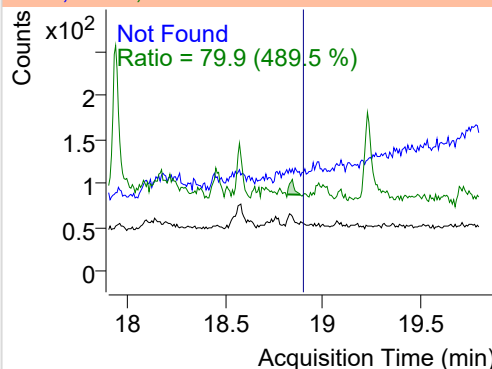


Perylene

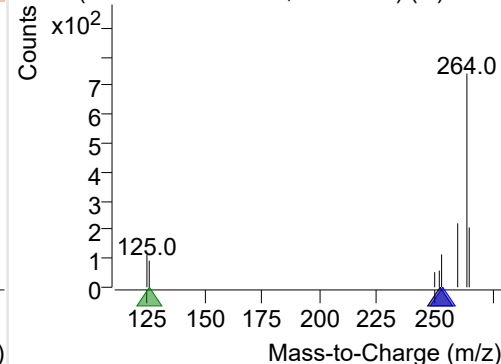
+ Selected Ion (252.0) 221007-PAHs-027.D



252.0, 253.0, 126.0

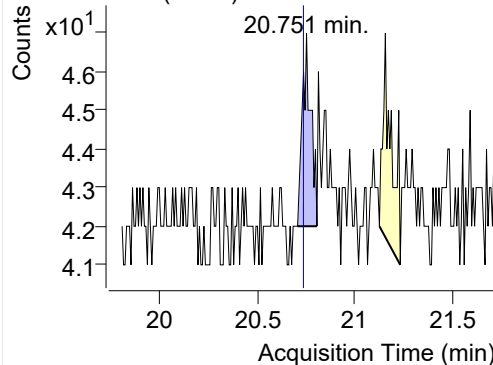


+ SIM (18.808-18.915 min, 15 scans) (**) 2210

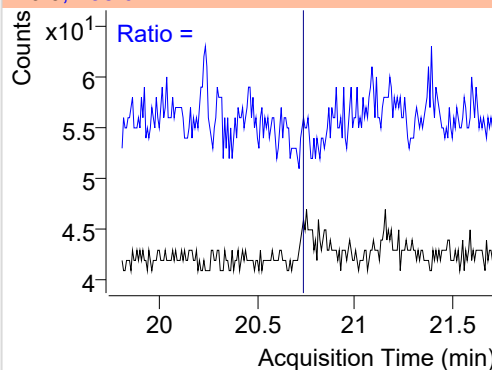


Indeno(1,2,3-c,d)pyrene

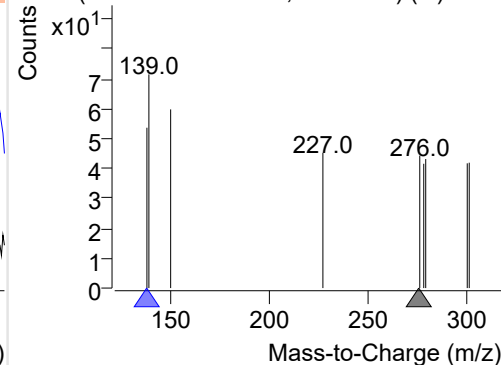
+ Selected Ion (276.0) 221007-PAHs-027.D



276.0, 138.0

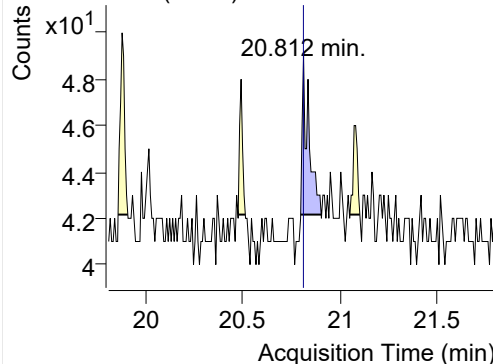


+ SIM (20.705-20.805 min, 14 scans) (**) 2210

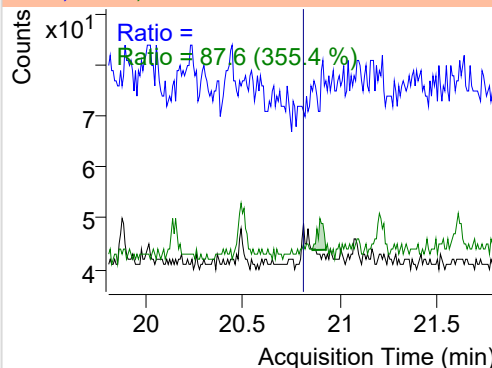


Dibenz(a,h)anthracene

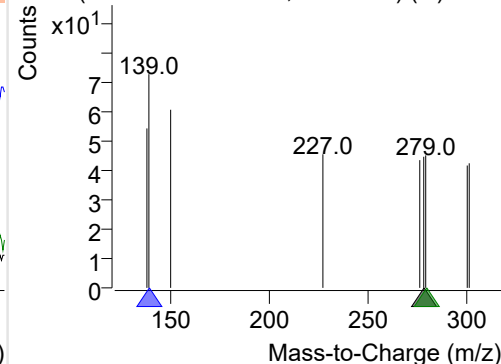
+ Selected Ion (278.0) 221007-PAHs-027.D



278.0, 139.0, 279.0



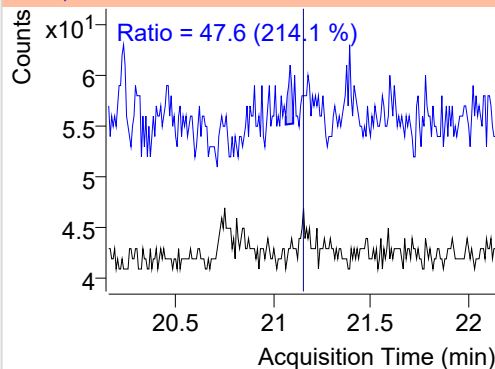
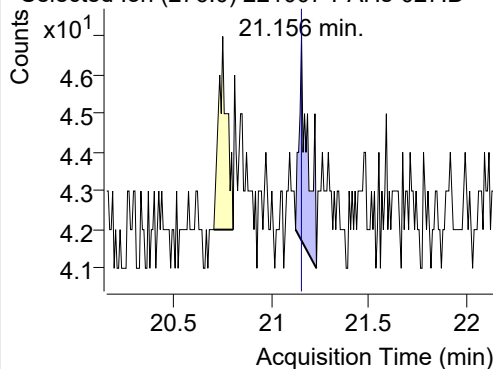
+ SIM (20.797-20.903 min, 13 scans) (**) 2210



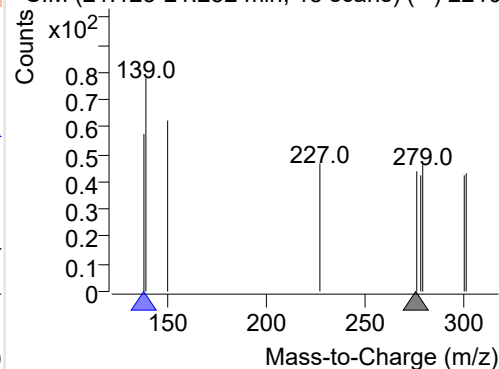
Benzo(g,h,i)perylene

+ Selected Ion (276.0) 221007-PAHs-027.D

276.0, 138.0

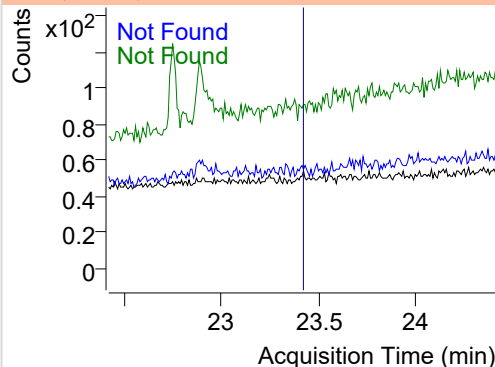
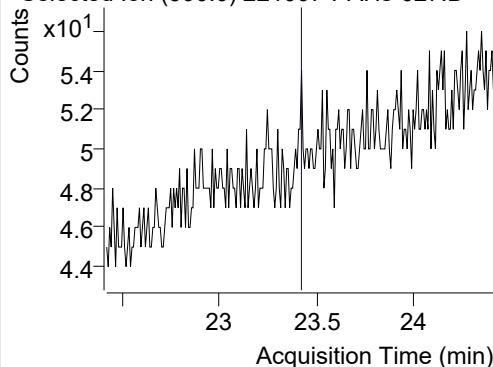


+ SIM (21.125-21.232 min, 15 scans) (**) 2210

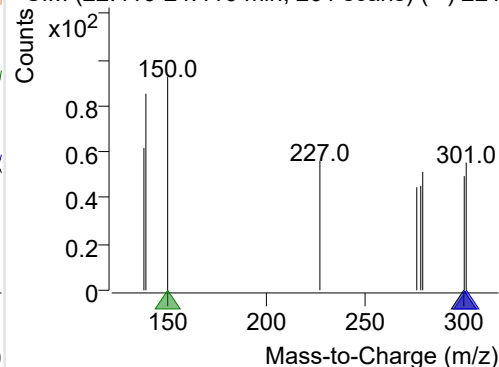
**Coronene**

+ Selected Ion (300.0) 221007-PAHs-027.D

300.0, 301.0, 150.0



+ SIM (22.416-24.416 min, 261 scans) (**) 221



Quantitative Analysis Sample Based Report

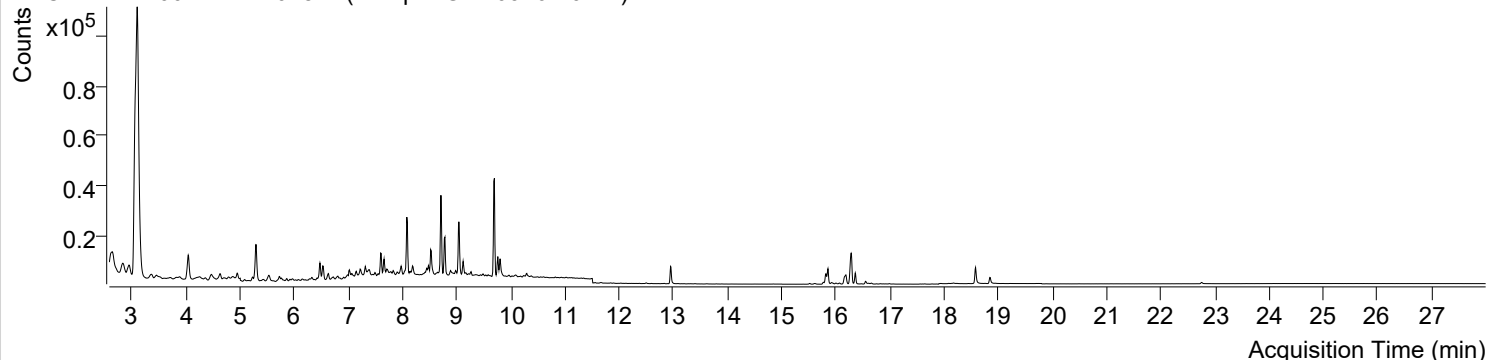


Trusted Answers

Batch Data Path File Name	D:\MassHunter\GCMS\1\data\PAHs\221007-PAHs-Sample-1\QuantResults\221007-PAHs-Quant.batch.bin		
Analysis Time Stamp	2022-11-08 오전 11:05:48	Analyst Name	DESKTOP-86B7UPG\5975MS
Report Generation Time	2022-11-08 오전 11:06:02	Report Generator Name	DESKTOP-86B7UPG\5975MS
Calibration Last Update	2022-11-08 오전 11:04:21	Batch State	Processed
Analyze Quant Version	10.2	Report Quant Version	10.2
Acq. Date-Time	2022-10-08 오전 1:26:13	Data File	221007-PAHs-028.D
Type	Sample	Name	Sample-Gas-0926-10DIL
Dil.	1	Acq. Method File	PAHs 19mix-Method

Sample Chromatogram

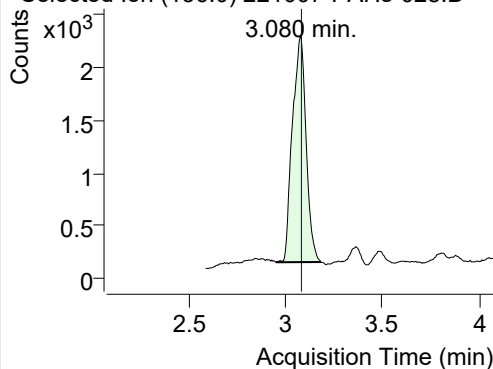
+ TIC SIM 221007-PAHs-028.D (Sample-Gas-0926-10DIL)



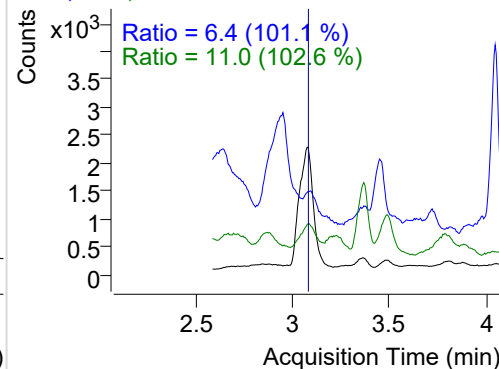
Name	RT	Transition	Resp.	Height	Final Conc. Units	Ratio
IS-D8-Naphthalene	3.080	136.0	10418	2127.65	ND ng/ml	11.0
Naphthalene	3.101	128.0	415847	86158.00	ND ng/ml	13.3
Acenaphthylene	6.143	152.0	859	366.91	ND ng/ml	
IS-D10-Acenaphthene	6.475	164.0	6536	3224.88	ND ng/ml	93.7
Acenaphthene	6.534	154.0	2556	1295.11	ND ng/ml	110.4
LSS-D10-Fluorene	7.606	176.0	6733	3665.44	ND ng/ml	94.8
Fluorene	7.659	166.0	5456	2821.13	ND ng/ml	137.7
IS-D10-Phenanthrene	9.759	188.0	10489	6250.31	ND ng/ml	18.3
Phenanthrene	9.801	178.0	8158	4381.51	ND ng/ml	21.3
Anthracene	9.801	178.0	8158	4381.51	ND ng/ml	21.3
Fluoranthene	12.505	202.0	245	136.28	ND ng/ml	120.6
LSS-D10-Pyrene	12.949	212.0	8838	5112.19	ND ng/ml	18.7
Pyrene	12.987	202.0	324	162.79	ND ng/ml	32.5
Benz(a)anthracene	15.773	228.0	72	23.87	ND ng/ml	17.9
IS-D12-Chrysene	15.816	240.0	6169	2890.35	ND ng/ml	17.9
Chrysene	15.860	228.0	272	126.05	ND ng/ml	28.1
Benzo(b)fluoranthene	18.146	252.0	46	8.33	ND ng/ml	
Benzo(k)fluoranthene	18.146	252.0	46	8.33	ND ng/ml	
SS-D12-Benzo(e)pyrene	18.580	264.0	8684	4304.00	ND ng/ml	27.0
Benzo(e)pyrene	18.573	252.0	80	20.33	ND ng/ml	
Benzo(a)pyrene	18.765	252.0	35	12.33	ND ng/ml	
IS-D12-Perylene	18.843	264.0	3744	1649.06	ND ng/ml	24.7
Perylene	18.829	252.0	40	13.33	ND ng/ml	
Indeno(1,2,3-c,d)pyrene	20.820	276.0	14	4.05	ND ng/ml	
Dibenz(a,h)anthracene	20.858	278.0	4	4.43	ND ng/ml	709.6
Benzo(g,h,i)perylene	21.141	276.0	12	4.68	ND ng/ml	196.3
Coronene	23.424	300.0	8	3.89	ND ng/ml	

IS-D8-Naphthalene

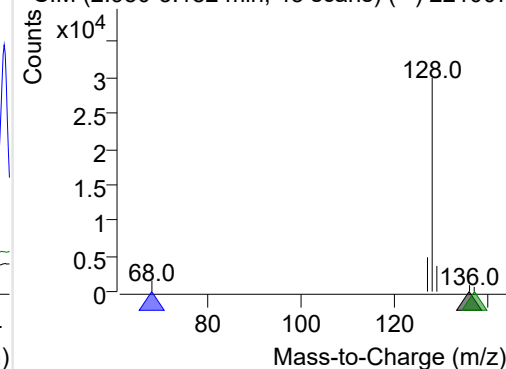
+ Selected Ion (136.0) 221007-PAHs-028.D



136.0, 68.0, 137.0

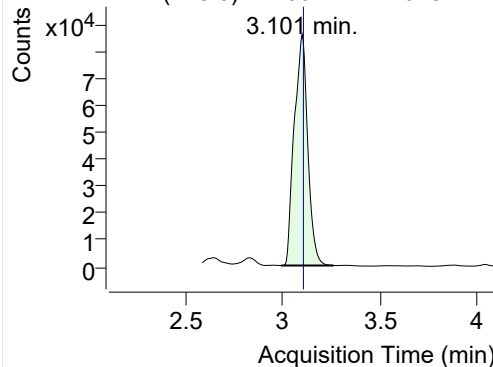


+ SIM (2.950-3.182 min, 43 scans) (**) 221007

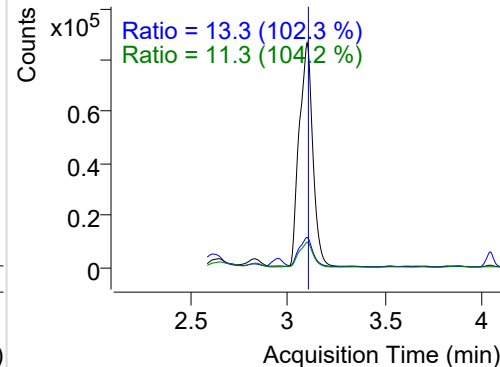


Naphthalene

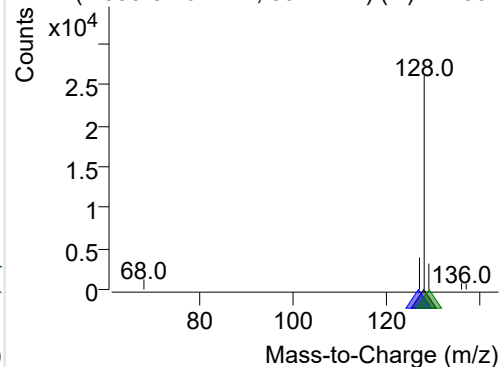
+ Selected Ion (128.0) 221007-PAHs-028.D



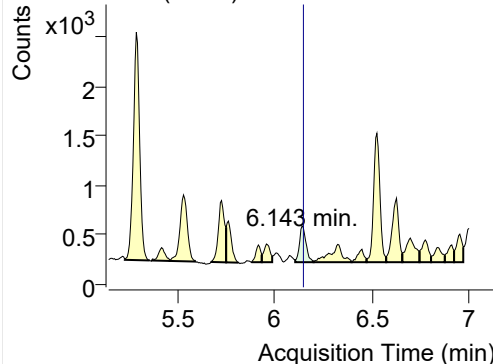
128.0, 127.0, 129.0



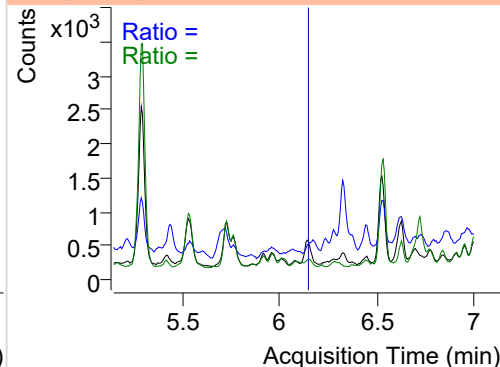
+ SIM (2.993-3.264 min, 50 scans) (**) 221007

**Acenaphthylene**

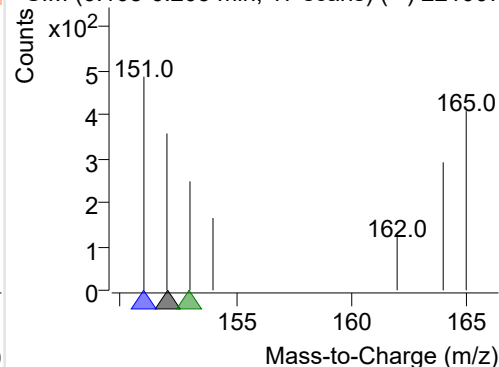
+ Selected Ion (152.0) 221007-PAHs-028.D



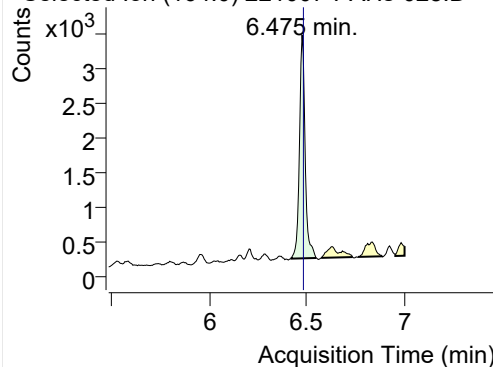
152.0, 151.0, 153.0



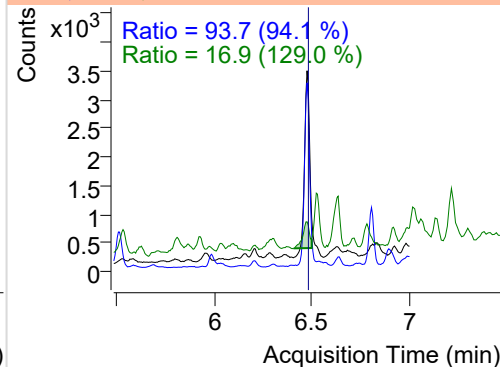
+ SIM (6.108-6.203 min, 17 scans) (**) 221007

**IS-D10-Acenaphthene**

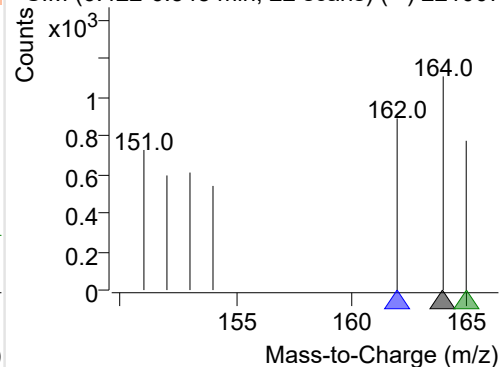
+ Selected Ion (164.0) 221007-PAHs-028.D



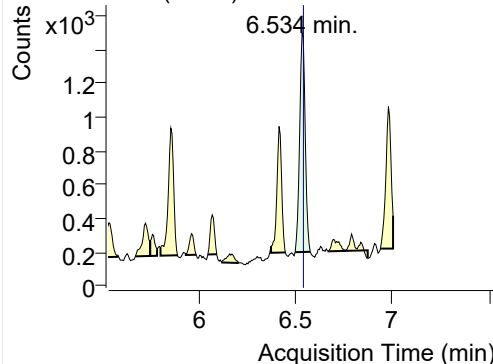
164.0, 162.0, 165.0



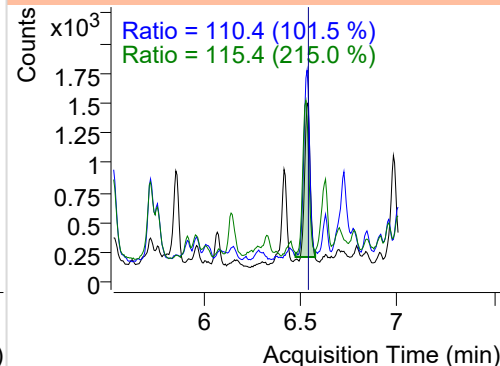
+ SIM (6.422-6.548 min, 22 scans) (**) 221007

**Acenaphthene**

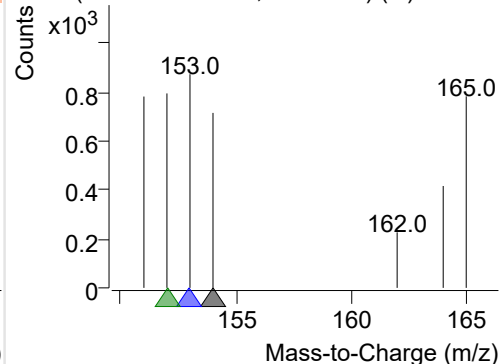
+ Selected Ion (154.0) 221007-PAHs-028.D



154.0, 153.0, 152.0

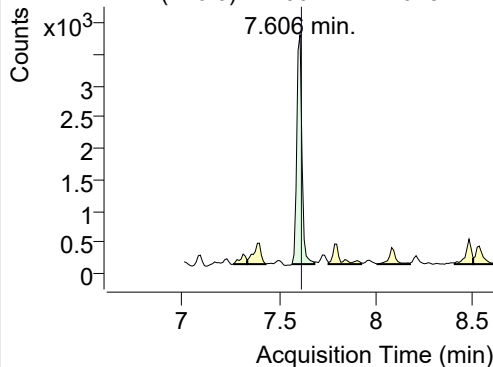


+ SIM (6.498-6.576 min, 14 scans) (**) 221007

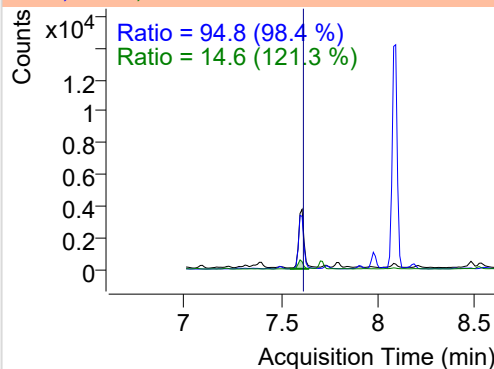


LSS-D10-Fluorene

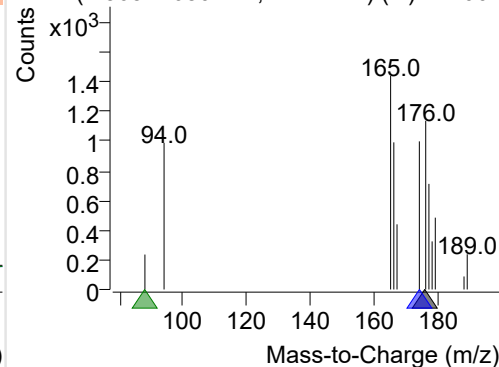
+ Selected Ion (176.0) 221007-PAHs-028.D



176.0, 174.0, 88.0

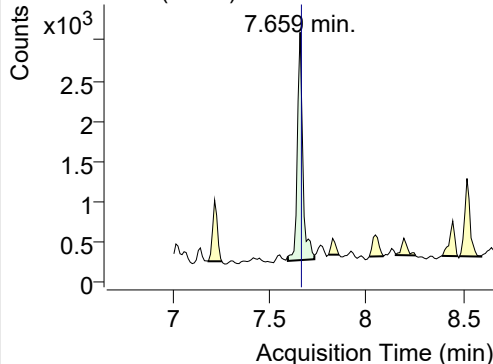


+ SIM (7.565-7.680 min, 11 scans) (**) 221007

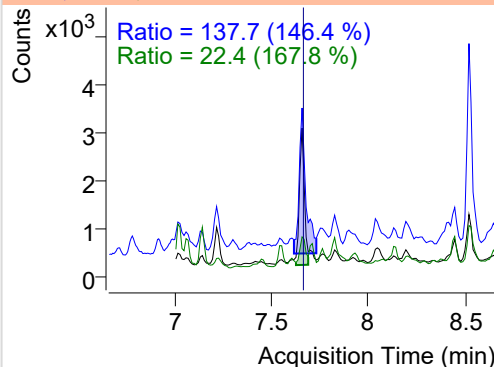


Fluorene

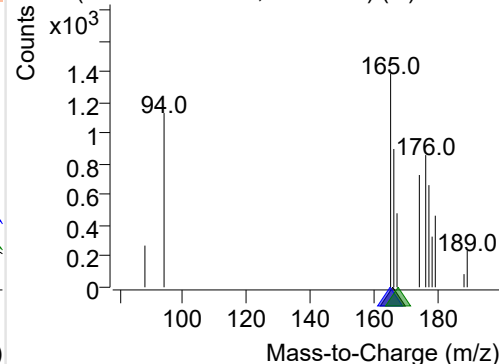
+ Selected Ion (166.0) 221007-PAHs-028.D



166.0, 165.0, 167.0

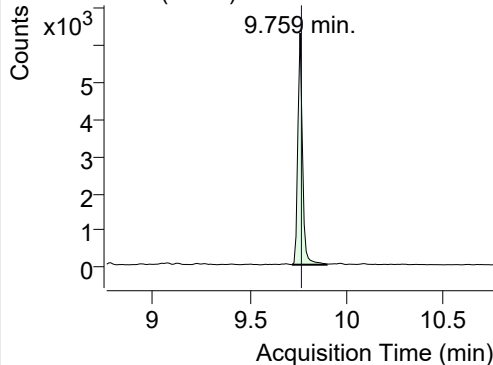


+ SIM (7.596-7.732 min, 14 scans) (**) 221007

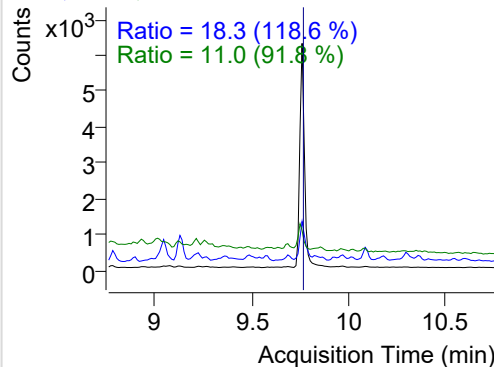


IS-D10-Phenanthrene

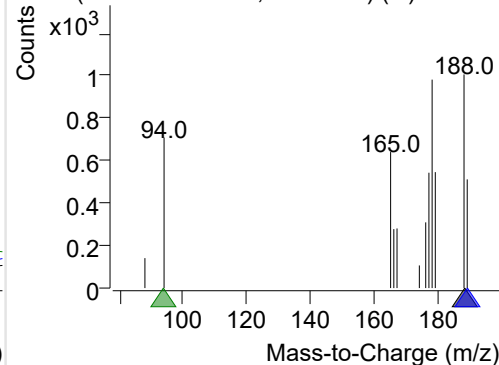
+ Selected Ion (188.0) 221007-PAHs-028.D



188.0, 189.0, 94.0

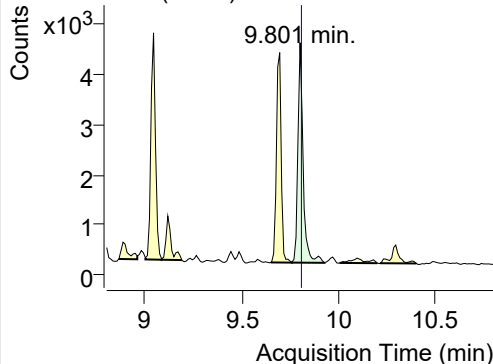


+ SIM (9.717-9.895 min, 18 scans) (**) 221007

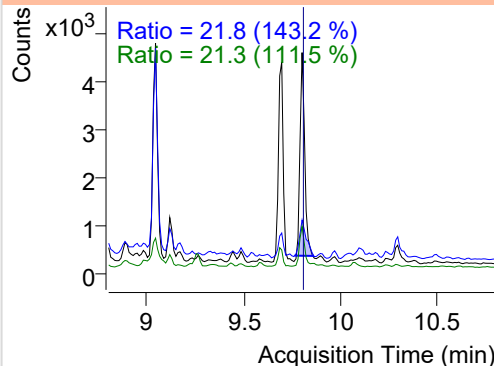


Phenanthrene

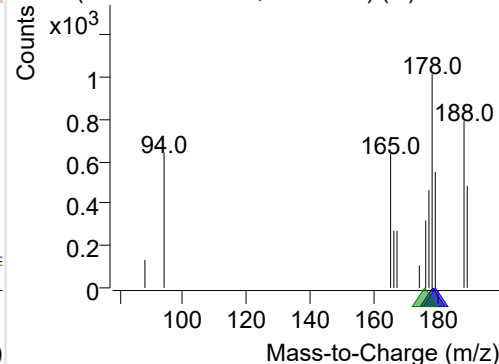
+ Selected Ion (178.0) 221007-PAHs-028.D



178.0, 179.0, 176.0

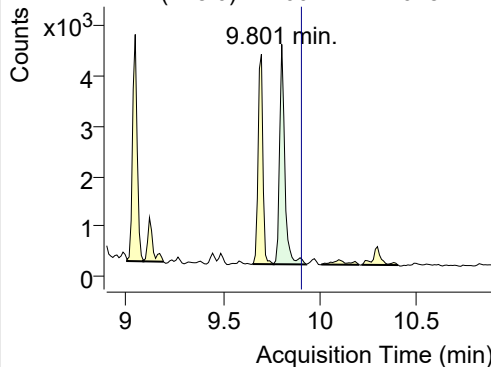


+ SIM (9.759-9.927 min, 17 scans) (**) 221007

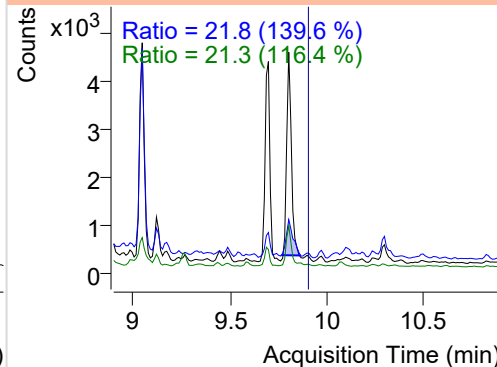


Anthracene

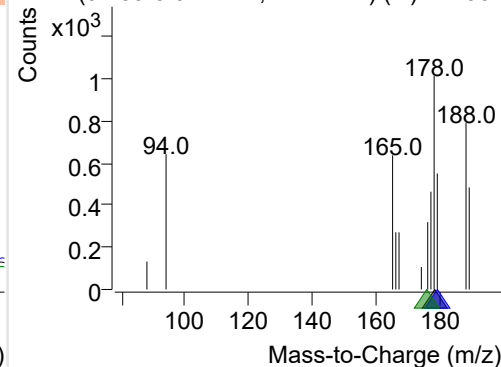
+ Selected Ion (178.0) 221007-PAHs-028.D



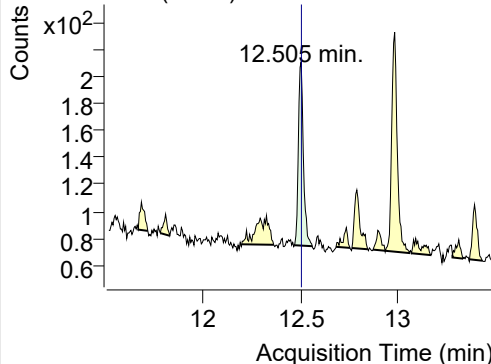
178.0, 179.0, 176.0



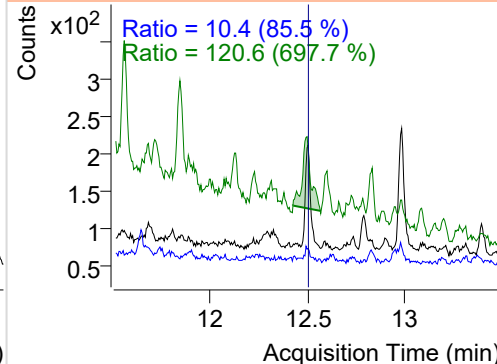
+ SIM (9.759-9.927 min, 17 scans) (**) 221007

**Fluoranthene**

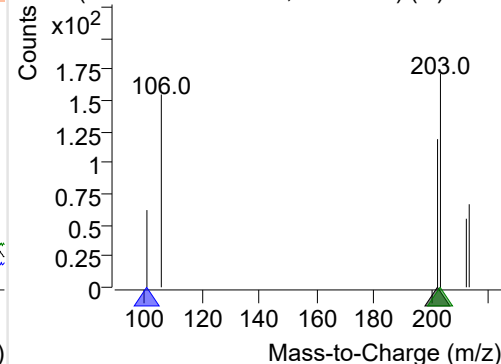
+ Selected Ion (202.0) 221007-PAHs-028.D



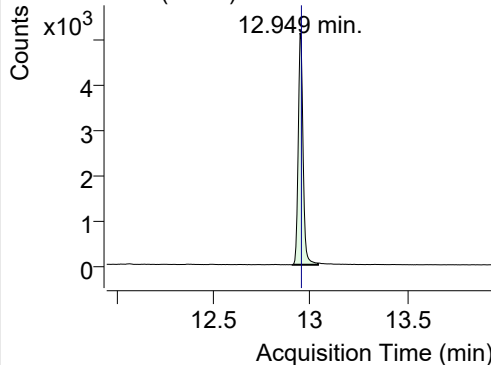
202.0, 101.0, 203.0



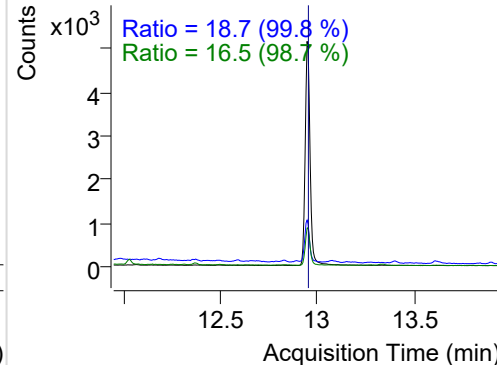
+ SIM (12.469-12.562 min, 17 scans) (**) 2210

**LSS-D10-Pyrene**

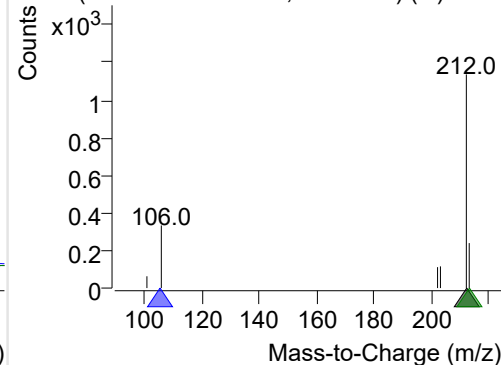
+ Selected Ion (212.0) 221007-PAHs-028.D



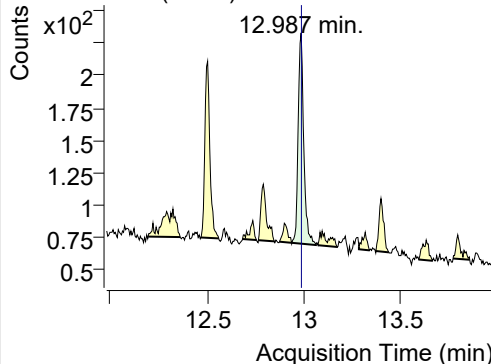
212.0, 106.0, 213.0



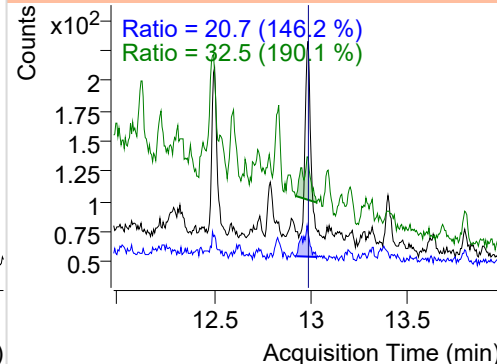
+ SIM (12.911-13.041 min, 25 scans) (**) 2210

**Pyrene**

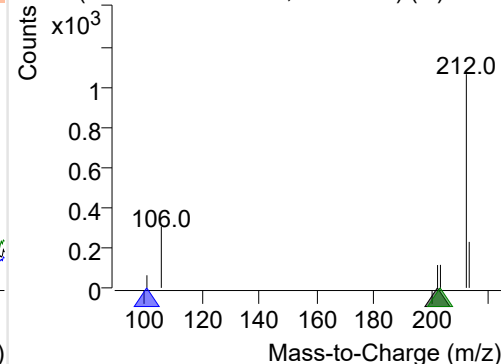
+ Selected Ion (202.0) 221007-PAHs-028.D



202.0, 101.0, 203.0



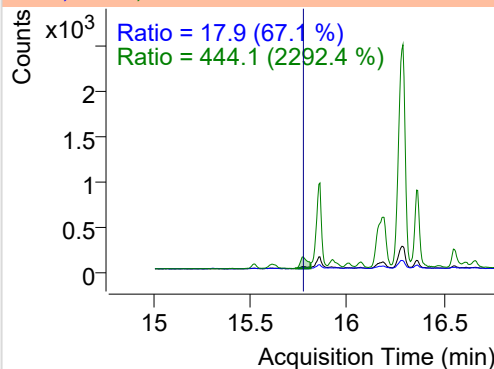
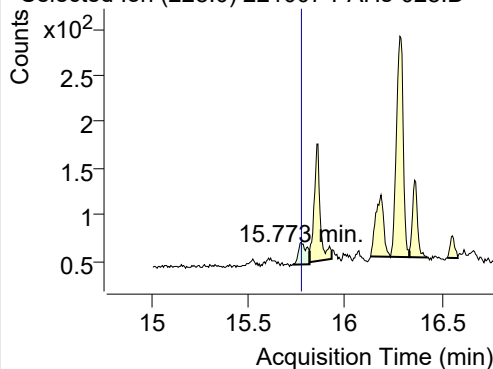
+ SIM (12.940-13.063 min, 23 scans) (**) 2210



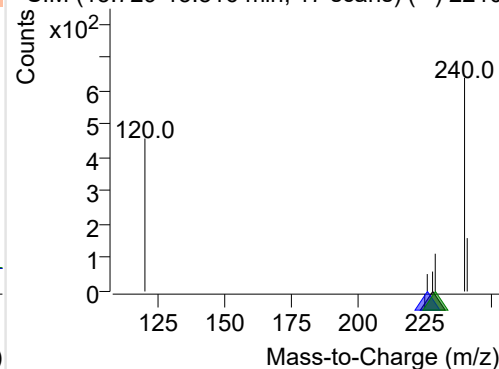
Benz(a)anthracene

+ Selected Ion (228.0) 221007-PAHs-028.D

228.0, 226.0, 229.0

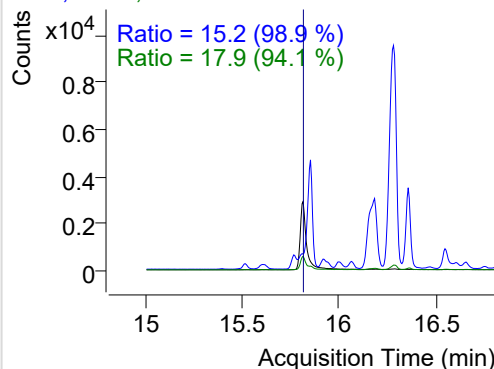
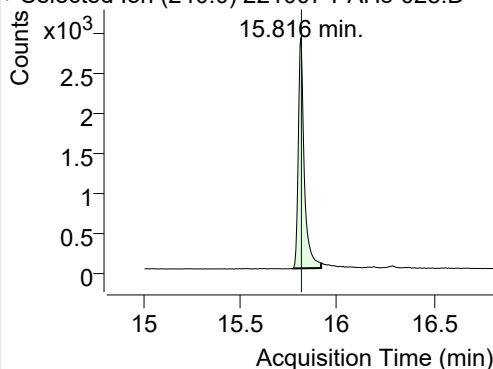


+ SIM (15.729-15.816 min, 17 scans) (**) 2210

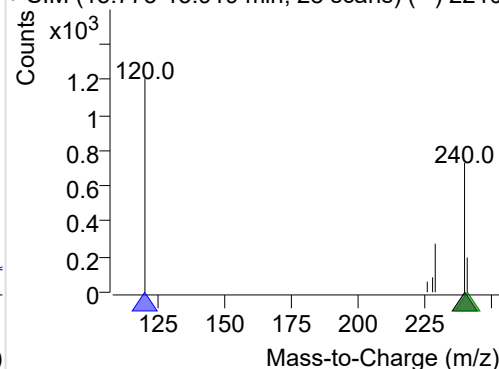
**IS-D12-Chrysene**

+ Selected Ion (240.0) 221007-PAHs-028.D

240.0, 120.0, 241.0

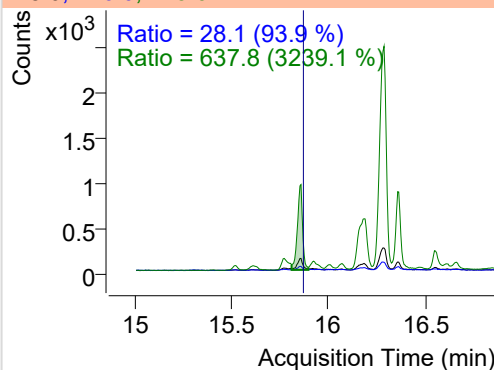
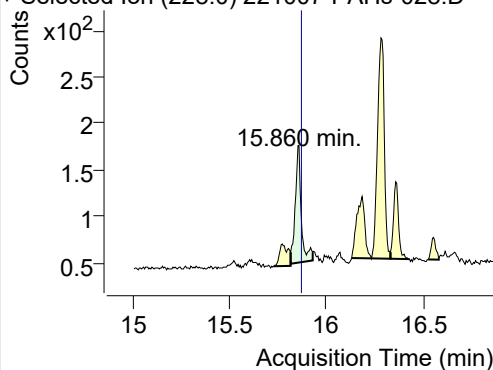


+ SIM (15.773-15.919 min, 28 scans) (**) 2210

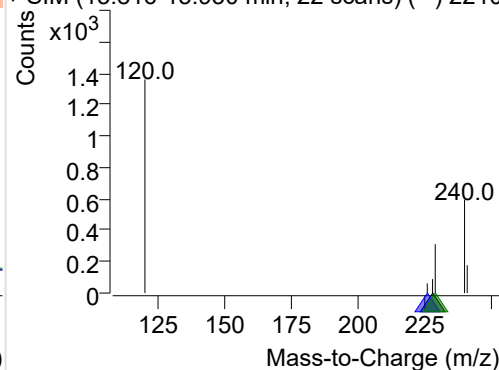
**Chrysene**

+ Selected Ion (228.0) 221007-PAHs-028.D

228.0, 226.0, 229.0

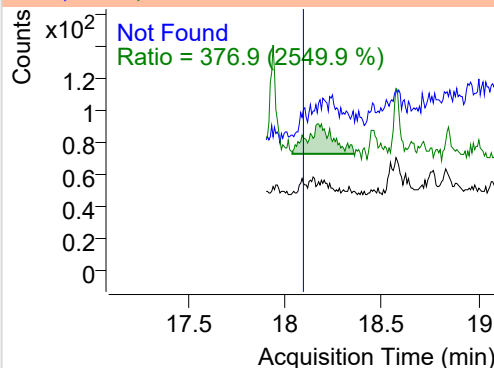
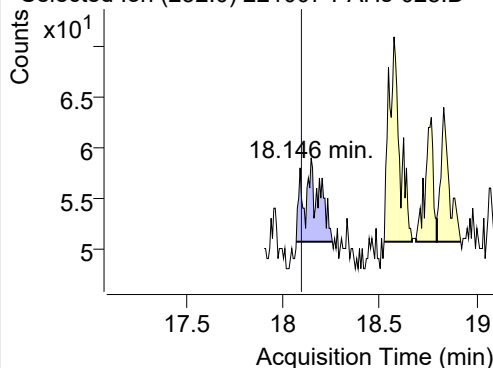


+ SIM (15.816-15.930 min, 22 scans) (**) 2210

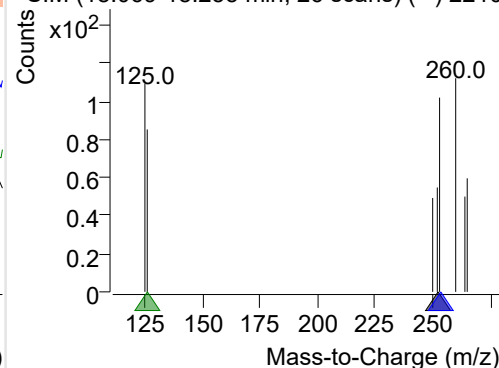
**Benzo(b)fluoranthene**

+ Selected Ion (252.0) 221007-PAHs-028.D

252.0, 253.0, 126.0



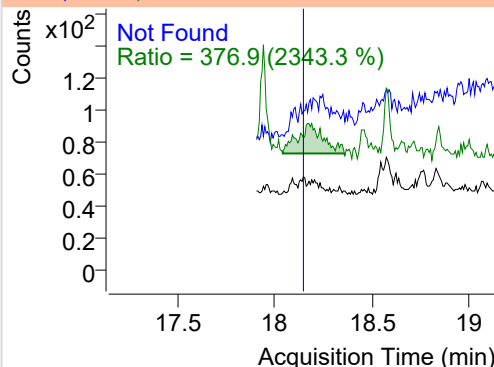
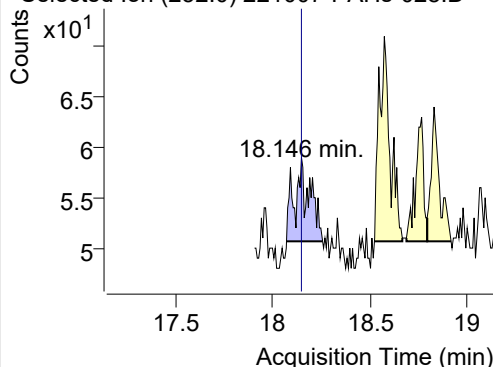
+ SIM (18.069-18.255 min, 26 scans) (**) 2210



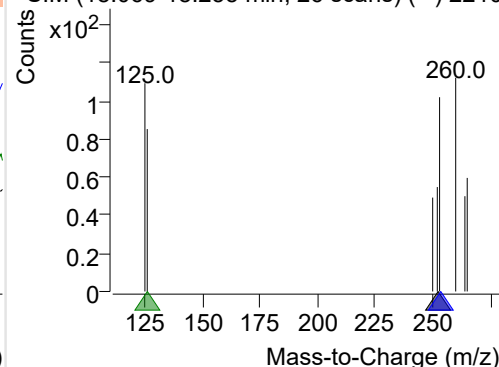
Benzo(k)fluoranthene

+ Selected Ion (252.0) 221007-PAHs-028.D

252.0, 253.0, 126.0

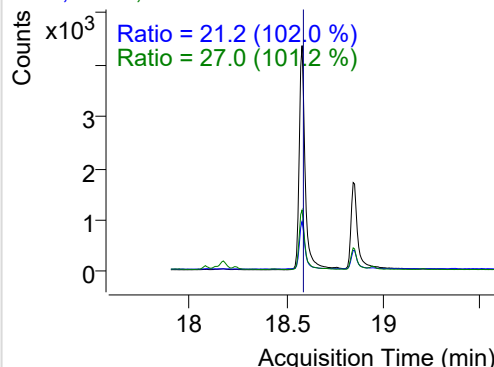
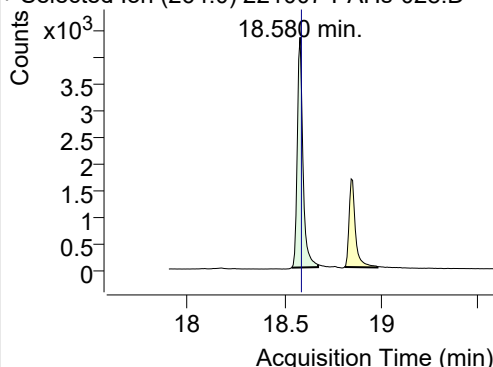


+ SIM (18.069-18.255 min, 26 scans) (**) 2210

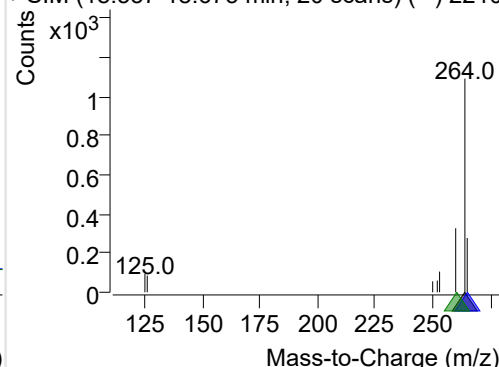
**SS-D12-Benzo(e)pyrene**

+ Selected Ion (264.0) 221007-PAHs-028.D

264.0, 265.0, 260.0

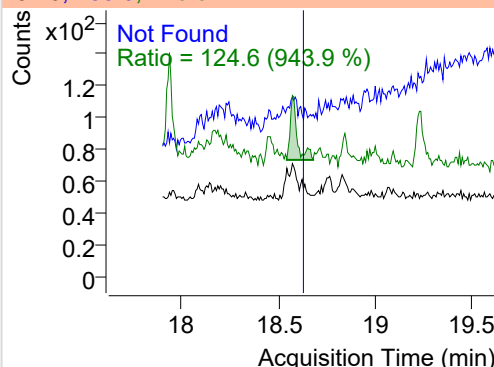
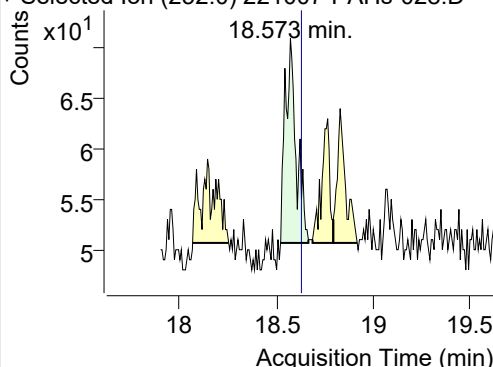


+ SIM (18.537-18.673 min, 20 scans) (**) 2210

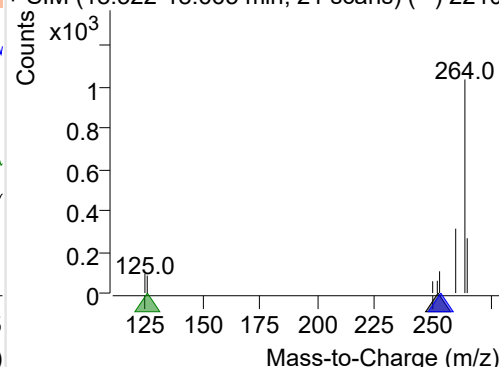
**Benzo(e)pyrene**

+ Selected Ion (252.0) 221007-PAHs-028.D

252.0, 253.0, 126.0

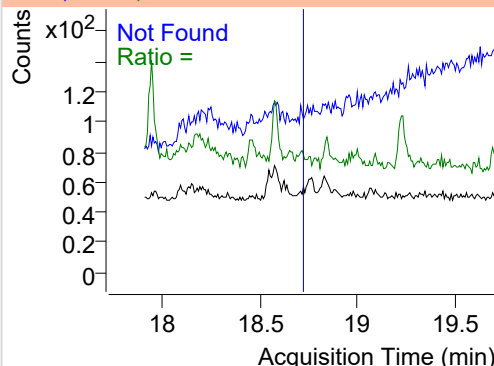
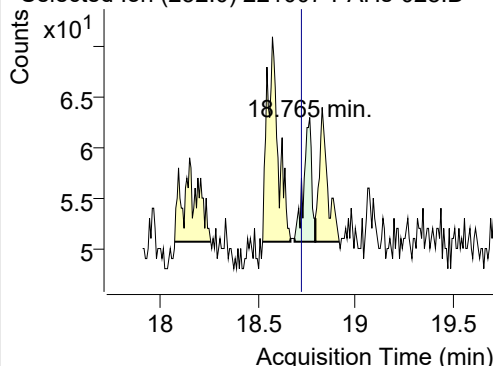


+ SIM (18.522-18.665 min, 21 scans) (**) 2210

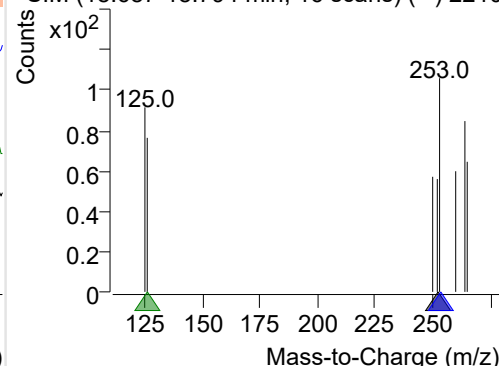
**Benzo(a)pyrene**

+ Selected Ion (252.0) 221007-PAHs-028.D

252.0, 253.0, 126.0

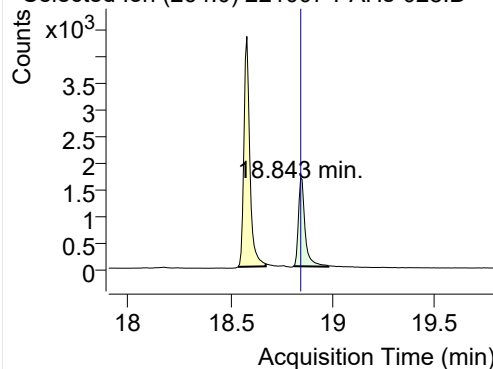


+ SIM (18.687-18.794 min, 16 scans) (**) 2210

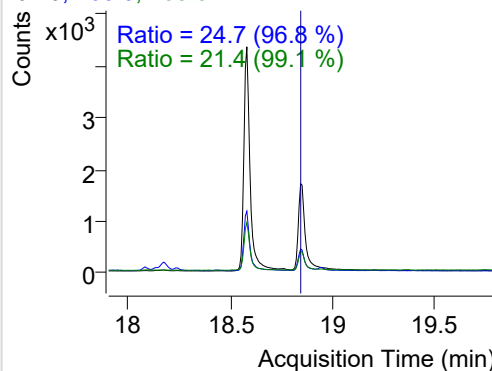


IS-D12-Perylene

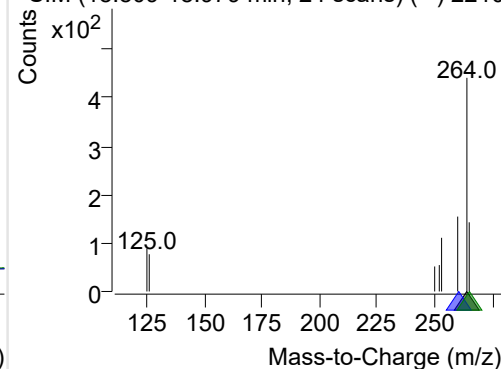
+ Selected Ion (264.0) 221007-PAHs-028.D



264.0, 260.0, 265.0

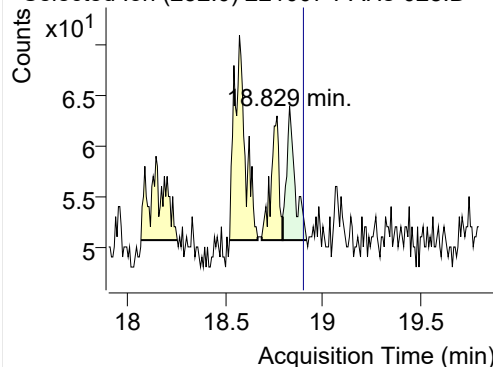


+ SIM (18.809-18.979 min, 24 scans) (**) 2210

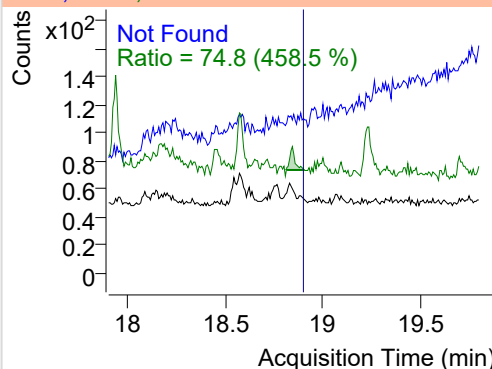


Perylene

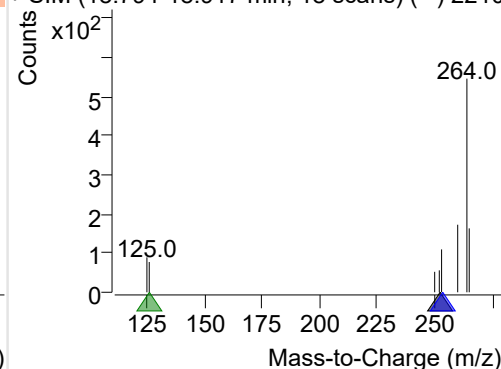
+ Selected Ion (252.0) 221007-PAHs-028.D



252.0, 253.0, 126.0

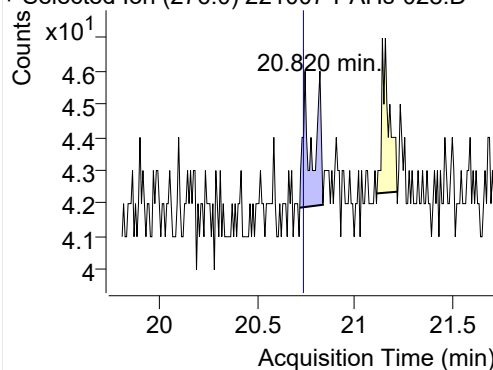


+ SIM (18.794-18.917 min, 18 scans) (**) 2210

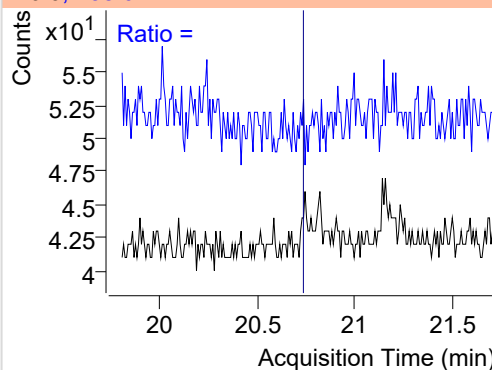


Indeno(1,2,3-c,d)pyrene

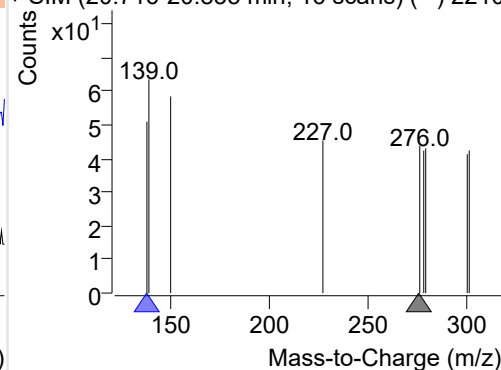
+ Selected Ion (276.0) 221007-PAHs-028.D



276.0, 138.0

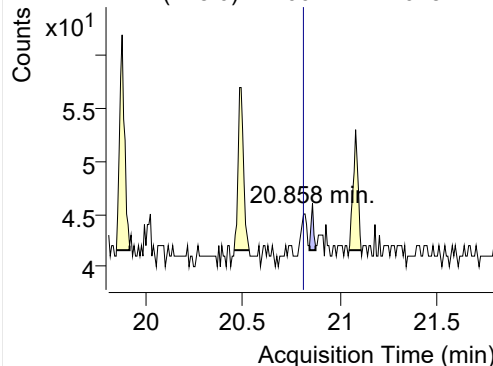


+ SIM (20.716-20.835 min, 16 scans) (**) 2210

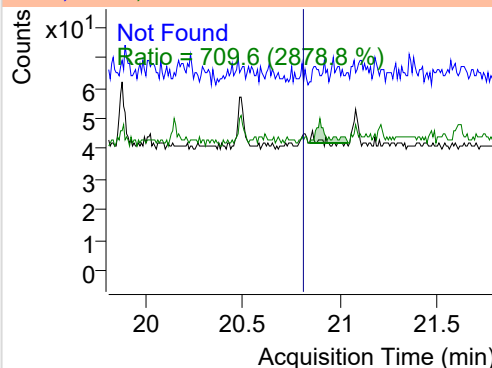


Dibenz(a,h)anthracene

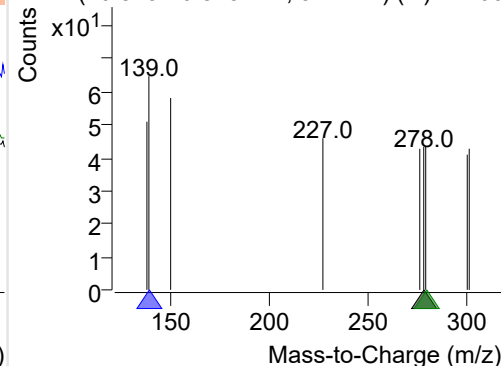
+ Selected Ion (278.0) 221007-PAHs-028.D



278.0, 139.0, 279.0

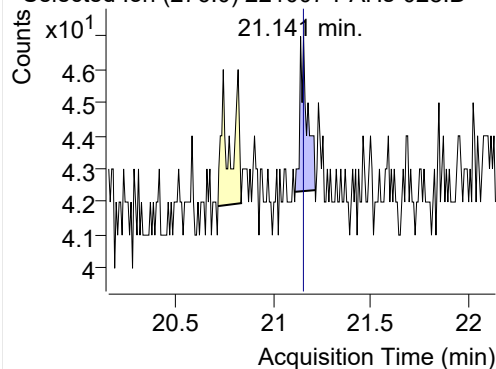


+ SIM (20.843-20.873 min, 5 scans) (**) 22100

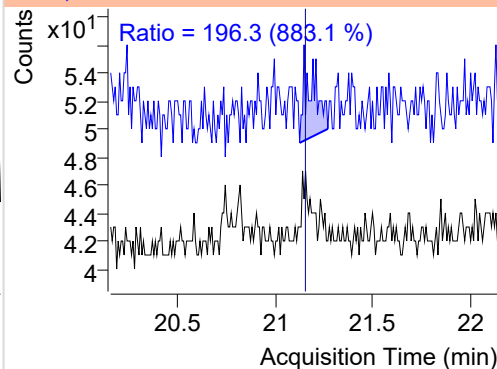


Benzo(g,h,i)perylene

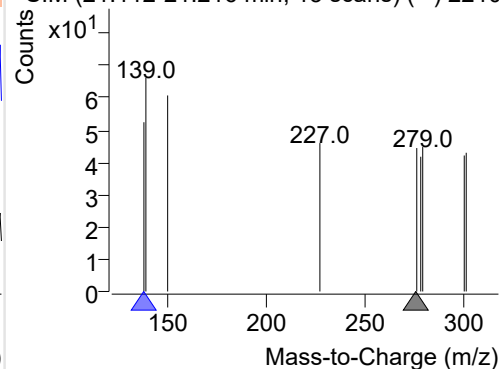
+ Selected Ion (276.0) 221007-PAHs-028.D



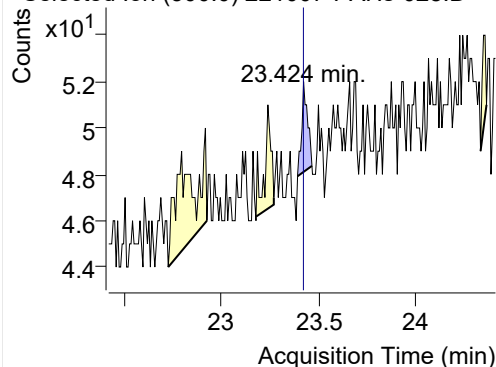
276.0, 138.0



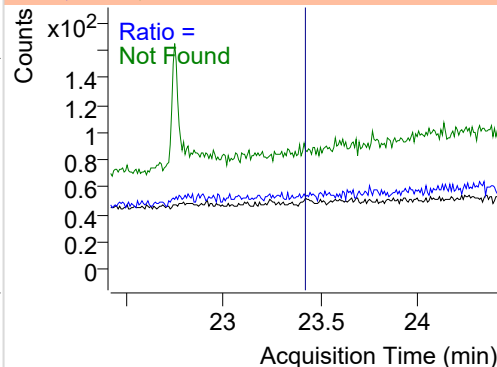
+ SIM (21.112-21.216 min, 13 scans) (**) 2210

**Coronene**

+ Selected Ion (300.0) 221007-PAHs-028.D



300.0, 301.0, 150.0



+ SIM (23.393-23.467 min, 10 scans) (**) 2210

