Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
Data File : BG059766.D
Acq On : 18 Nov 2023 15:53
Operator : MA/JU
Sample : 05361-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Nov 20 04:44:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.347	152	30469	20.000	ng	0.00
21) Naphthalene-d8	11.191	136	141847	20.000	ng	# 0.00
39) Acenaphthene-d10	14.969	164	130648	20.000	ng	0.00
64) Phenanthrene-d10	17.724	188	239032	20.000	ng	# 0.00
76) Chrysene-d12	22.061	240	174916	20.000	ng	# 0.00
86) Perylene-d12	25.656	264	121340	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.838	112	28882	15.955	ng	0.00
7) Phenol-d6	7.460	99	41999	15.656	ng	0.00
23) Nitrobenzene-d5	9.546	82	39506	10.637	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	26078	17.592	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	117834	12.140	ng	0.00
79) Terphenyl-d14	20.298	244	140713	11.876	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.969	165	19597	10.203	ng	# 1
71) Phenanthrene	17.772	178	122177	10.053	ng	97
72) Anthracene	17.854	178	31436	2.490	ng	94
75) Fluoranthene	19.757	202	187225	12.846	ng	100
78) Pyrene	19.757	202	187225	15.732	ng	95
81) Benzo(a)anthracene	22.037	228	80475	6.724	ng	# 90
83) Chrysene	22.037	228	80475	7.335	ng	93
88) Benzo(b)fluoranthene	24.493	252	58516	8.799	ng	# 72
89) Benzo(k)fluoranthene	24.552	252	25851	3.932	ng	# 86
90) Benzo(a)pyrene	25.486	252	53816	7.582	ng	# 89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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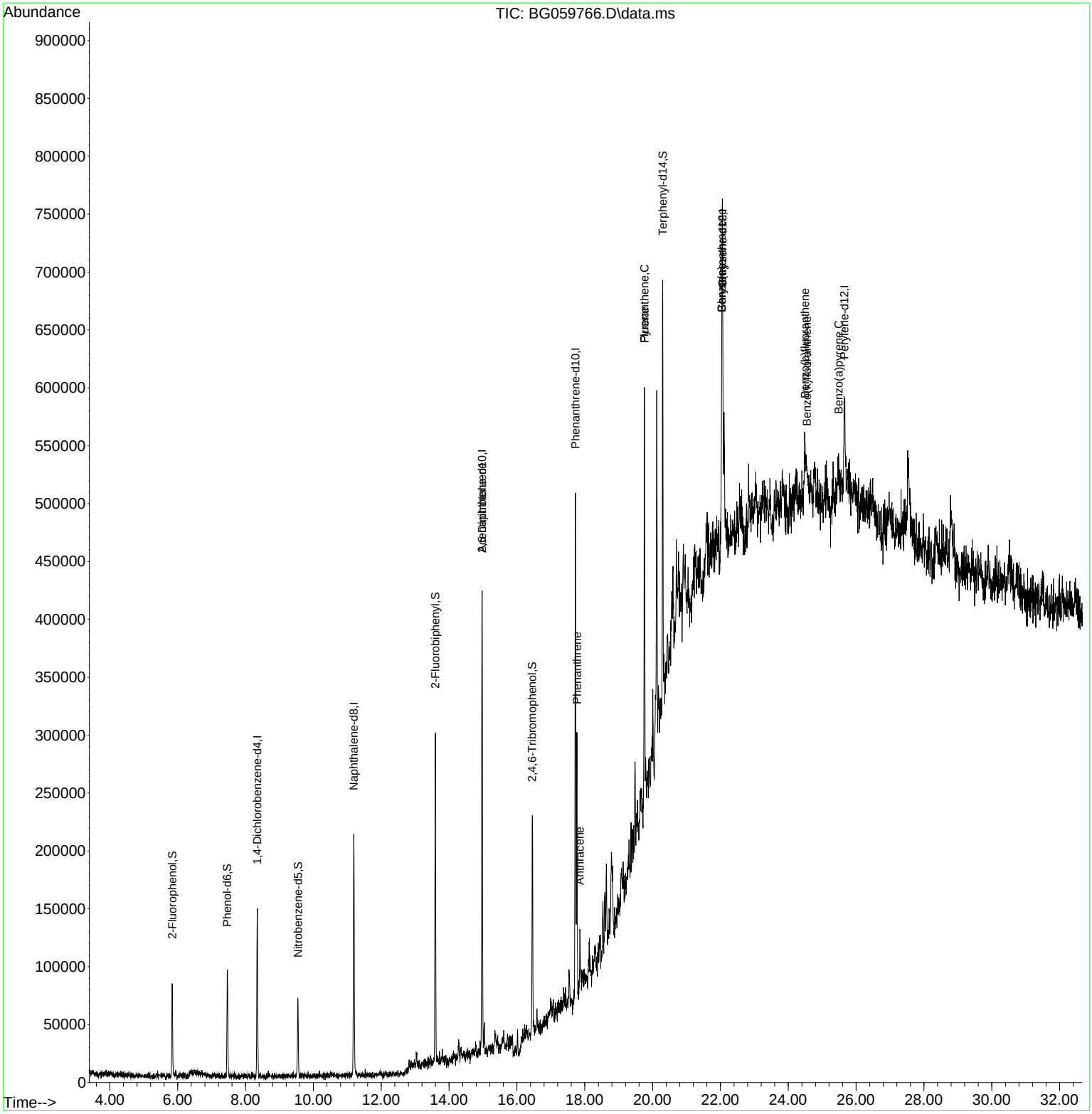
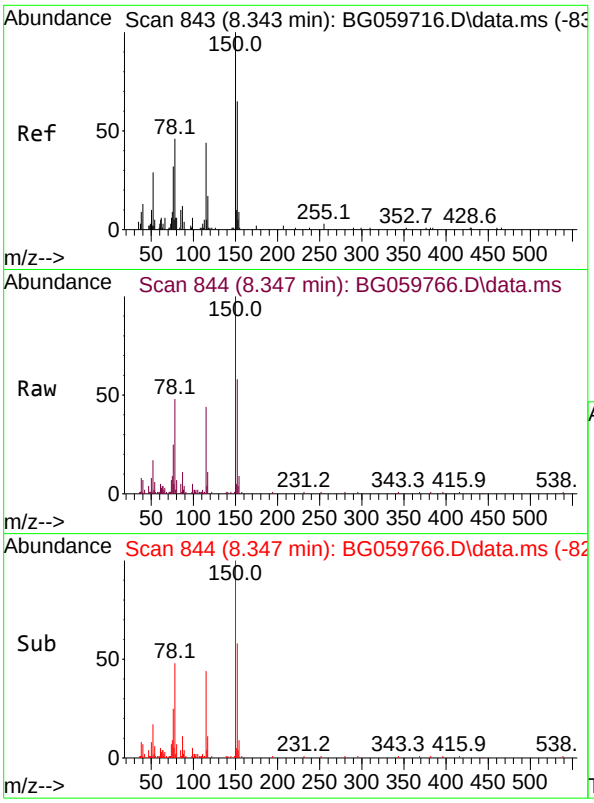


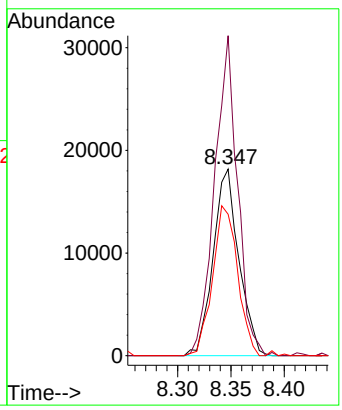


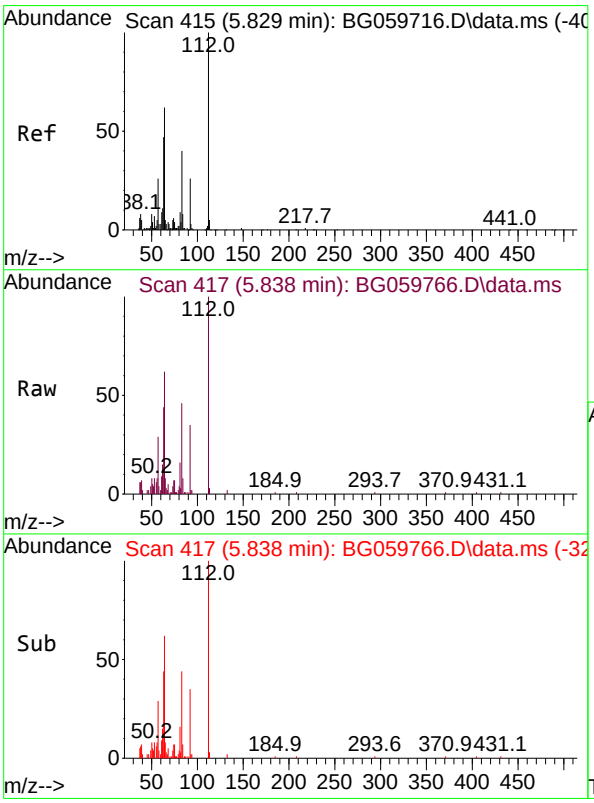
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.347 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 30469

Ion	Ratio	Lower	Upper
152	100		
150	171.5	122.2	183.4
115	75.8	54.2	81.4

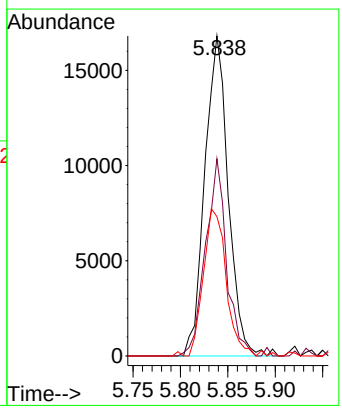


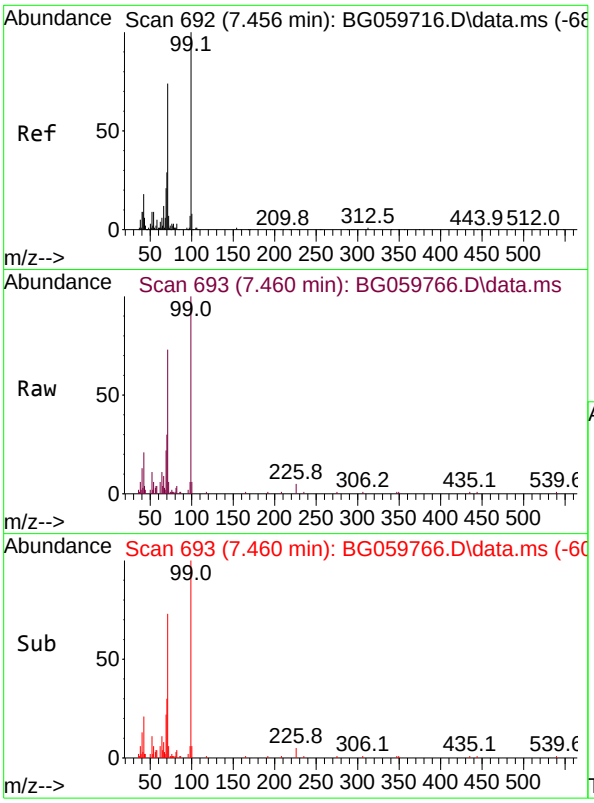


#5
2-Fluorophenol
Concen: 15.955 ng
RT: 5.838 min Scan# 417
Delta R.T. 0.010 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:112 Resp: 28882

Ion	Ratio	Lower	Upper
112	100		
64	61.6	49.5	74.3
63	43.6	37.4	56.2



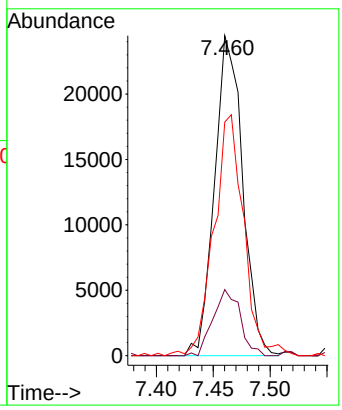


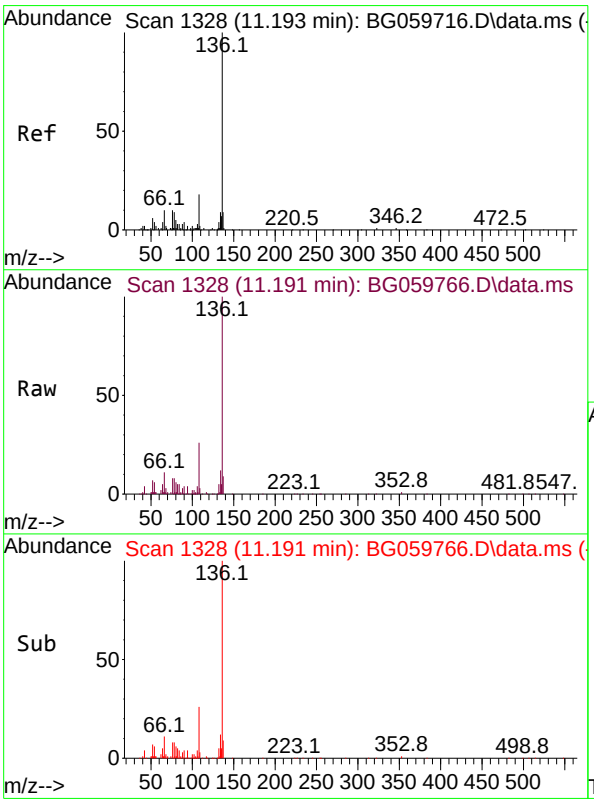
#7
Phenol-d6
Concen: 15.656 ng
RT: 7.460 min Scan# 6
Delta R.T. 0.004 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 99 Resp: 41999

Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.3	21.5
71	73.0	59.3	88.9

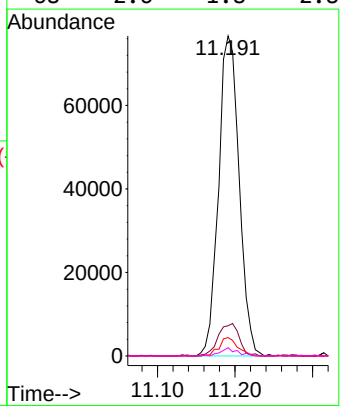


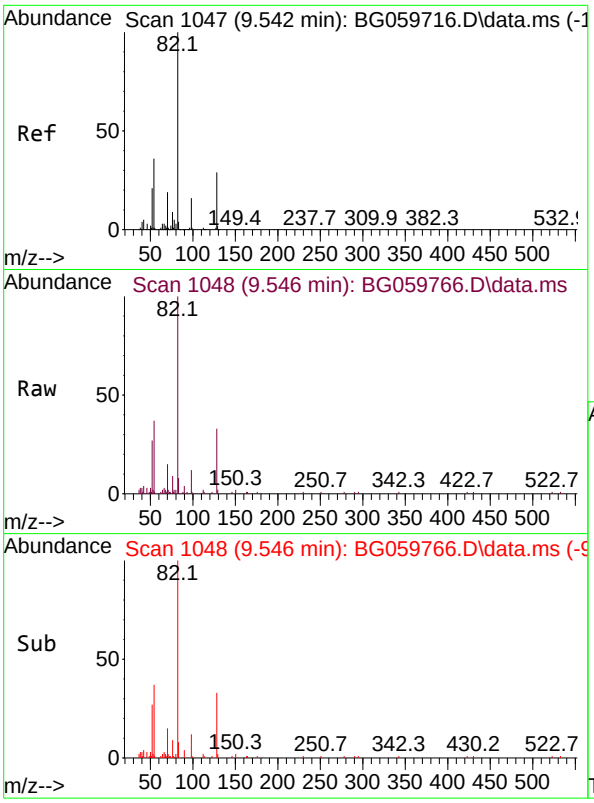


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.191 min Scan# 1328
Delta R.T. -0.002 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:136 Resp: 141847

Ion	Ratio	Lower	Upper
136	100		
137	9.4	7.4	11.0
54	5.8	3.1	4.7#
68	2.6	1.8	2.8



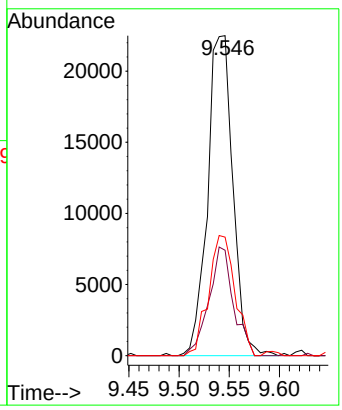


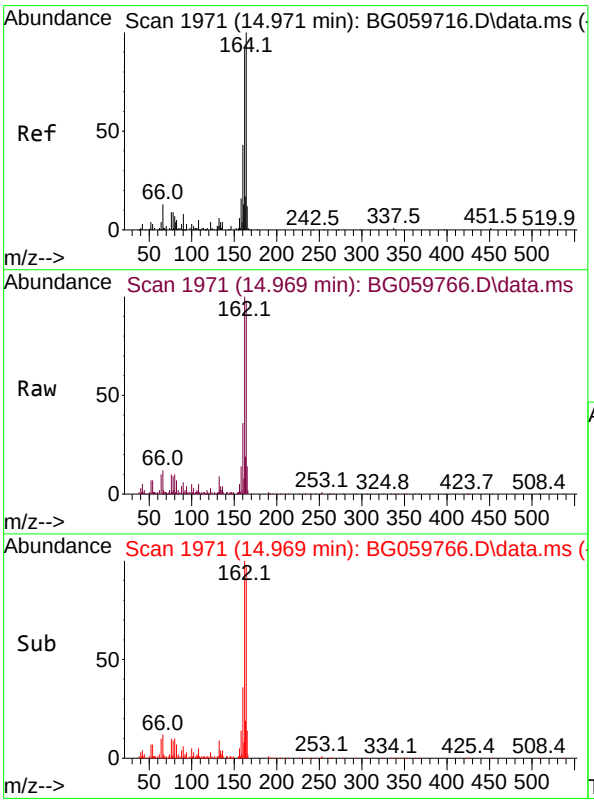
#23
Nitrobenzene-d5
Concen: 10.637 ng
RT: 9.546 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 82 Resp: 39506

Ion	Ratio	Lower	Upper
82	100		
128	33.0	23.0	34.6
54	37.0	28.7	43.1

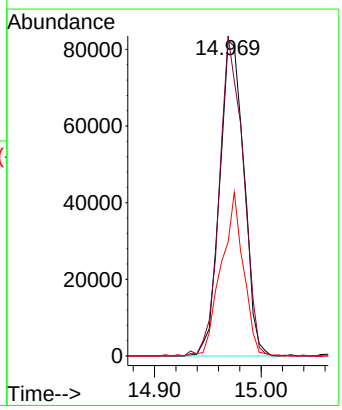


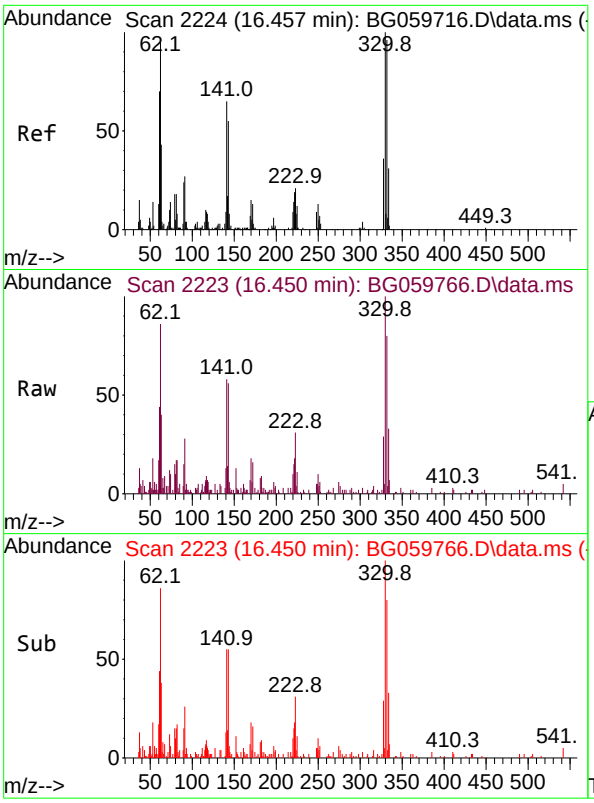


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:164 Resp: 130648

Ion	Ratio	Lower	Upper
164	100		
162	101.5	73.3	109.9
160	36.2	34.1	51.1



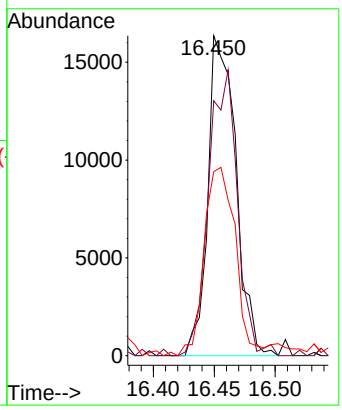


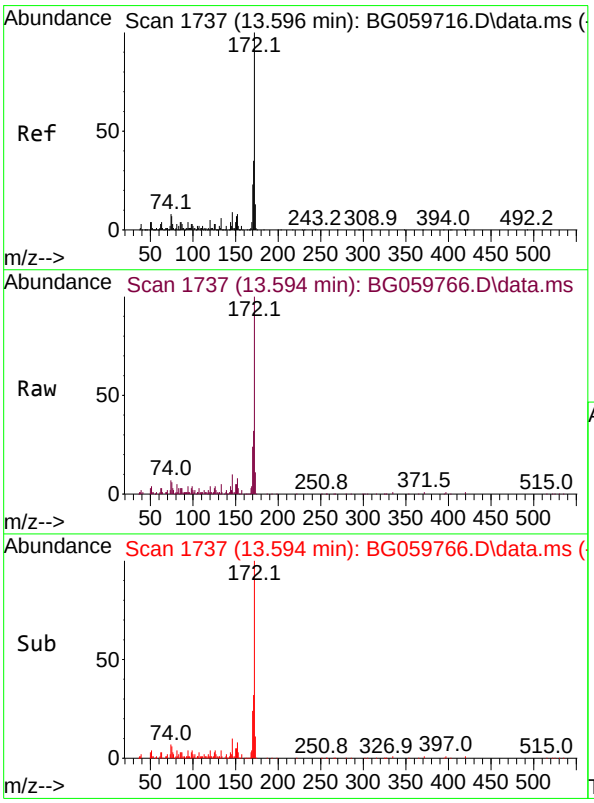
#42
2,4,6-Tribromophenol
Concen: 17.592 ng
RT: 16.450 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:330 Resp: 26078

Ion	Ratio	Lower	Upper
330	100		
332	92.1	73.3	109.9
141	65.4	52.1	78.1

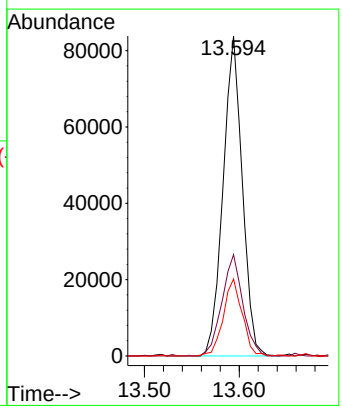


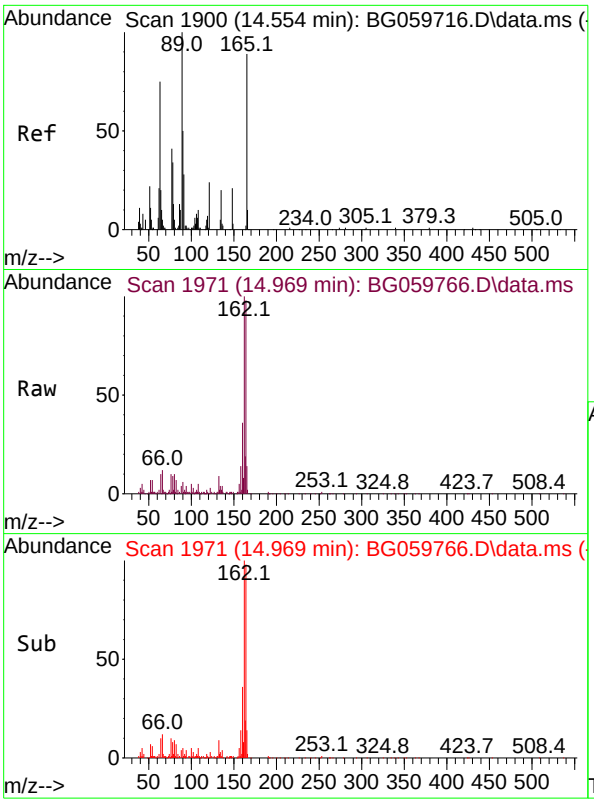


#45
2-Fluorobiphenyl
Concen: 12.140 ng
RT: 13.594 min Scan# 1737
Delta R.T. -0.002 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:172 Resp: 117834

Ion	Ratio	Lower	Upper
172	100		
171	31.7	27.7	41.5
170	24.1	18.4	27.6



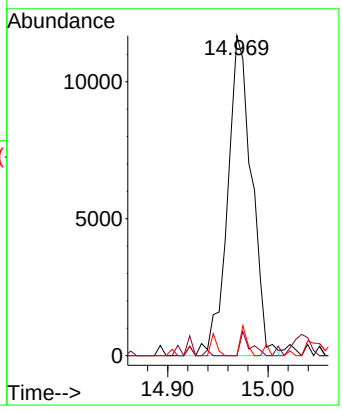


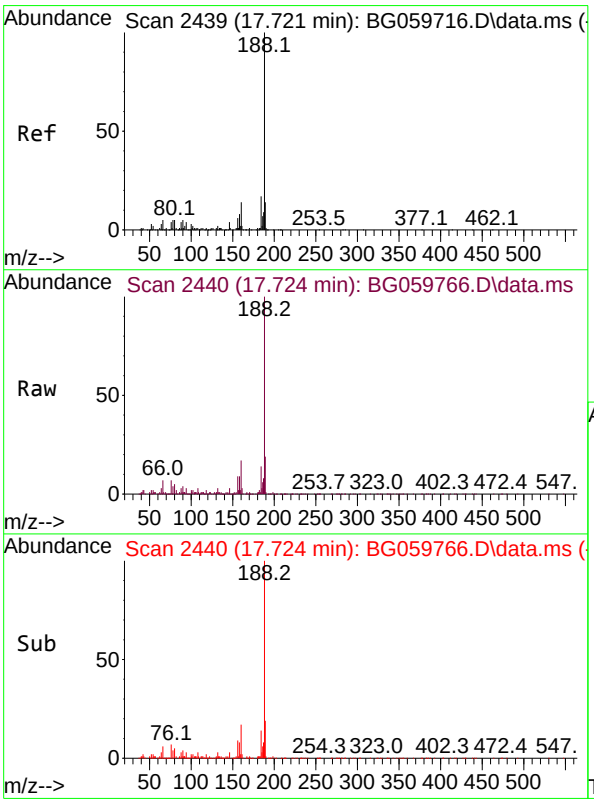
#51
2,6-Dinitrotoluene
Concen: 10.203 ng
RT: 14.969 min Scan# 1
Delta R.T. 0.415 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:165 Resp: 19597

Ion	Ratio	Lower	Upper
165	100		
63	0.0	75.3	112.9#
89	0.0	90.9	136.3#

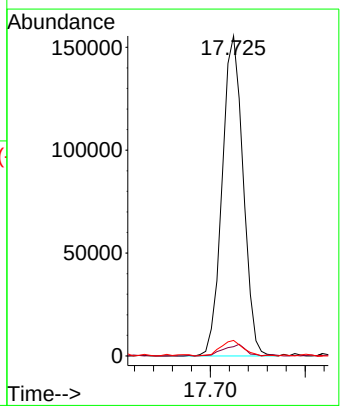


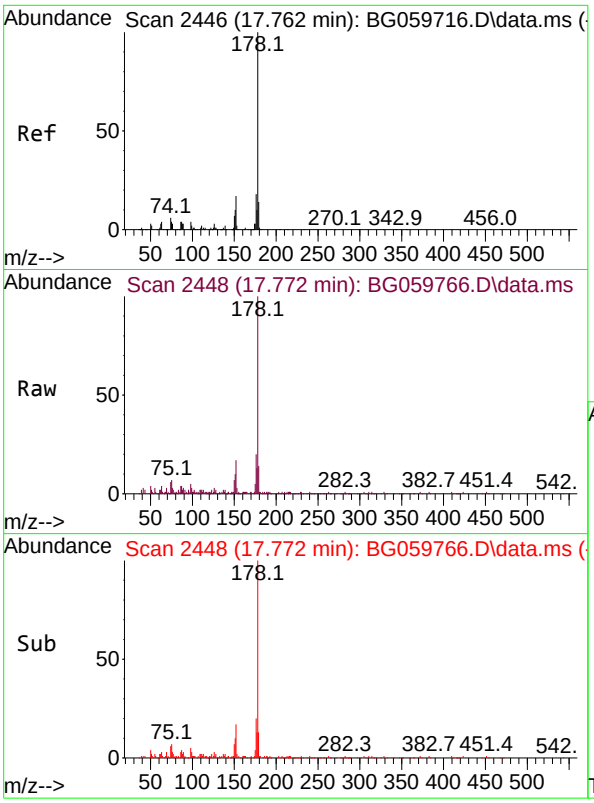


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.724 min Scan# 2440
Delta R.T. 0.004 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:188 Resp: 239032

Ion	Ratio	Lower	Upper
188	100		
94	2.9	3.0	4.4#
80	4.9	4.2	6.4



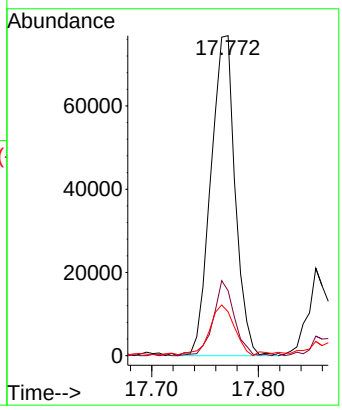


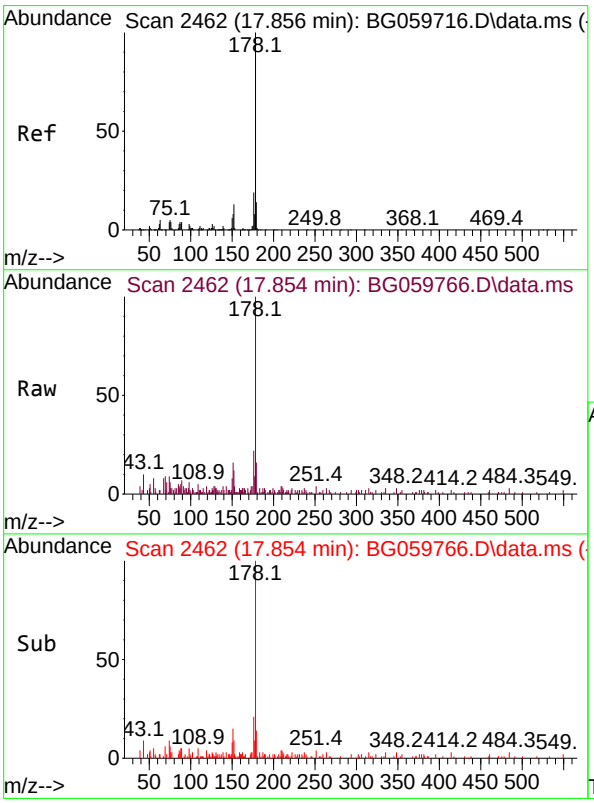
#71
Phenanthrene
Concen: 10.053 ng
RT: 17.772 min Scan# 24
Delta R.T. 0.010 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 122177

Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.5	21.7
179	13.7	11.2	16.8

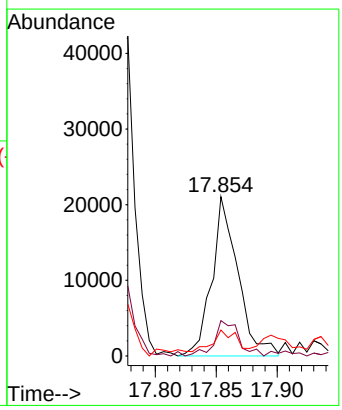


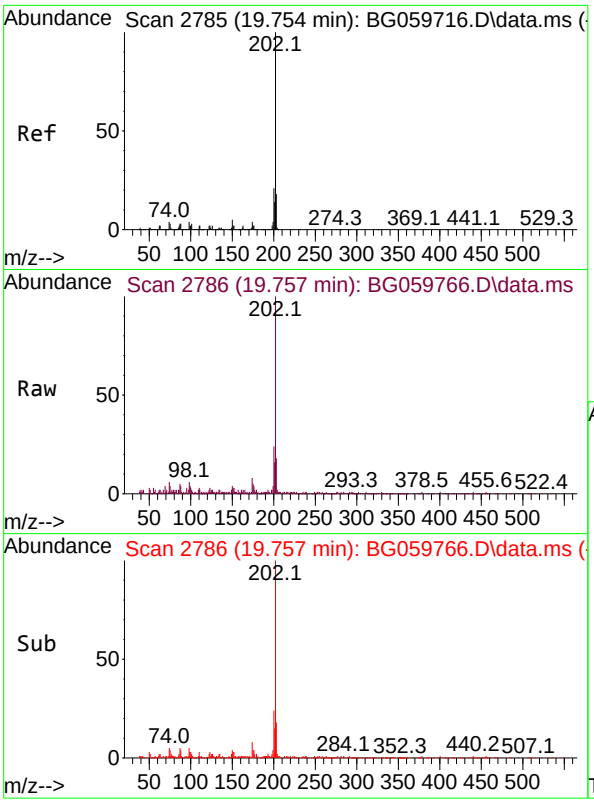


#72
Anthracene
Concen: 2.490 ng
RT: 17.854 min Scan# 2462
Delta R.T. -0.002 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:178 Resp: 31436

Ion	Ratio	Lower	Upper
178	100		
176	22.2	15.0	22.4
179	16.3	11.5	17.3



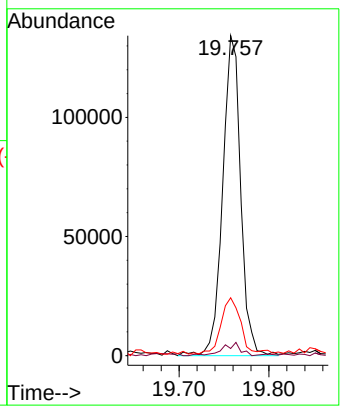


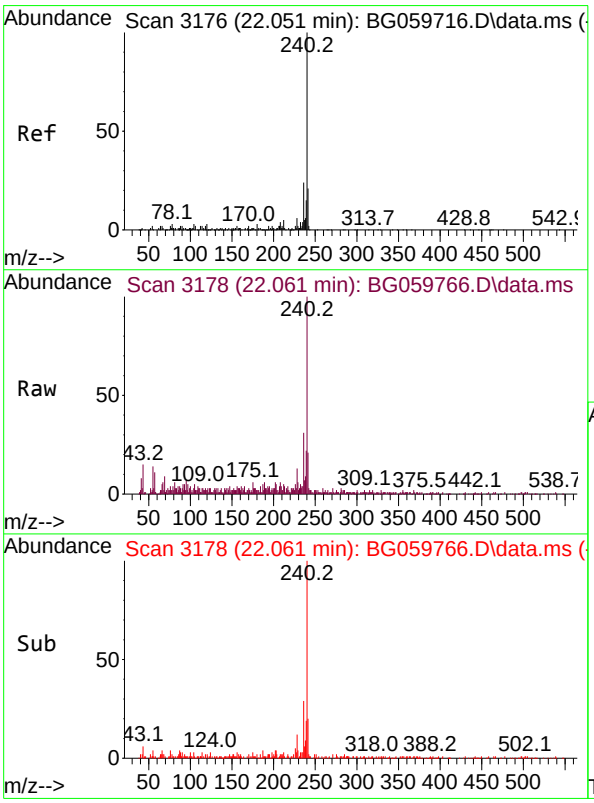
#75
Fluoranthene
Concen: 12.846 ng
RT: 19.757 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 187225

Ion	Ratio	Lower	Upper
202	100		
101	3.1	0.0	22.7
203	18.1	0.0	38.2

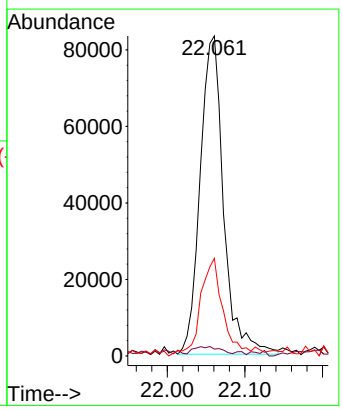


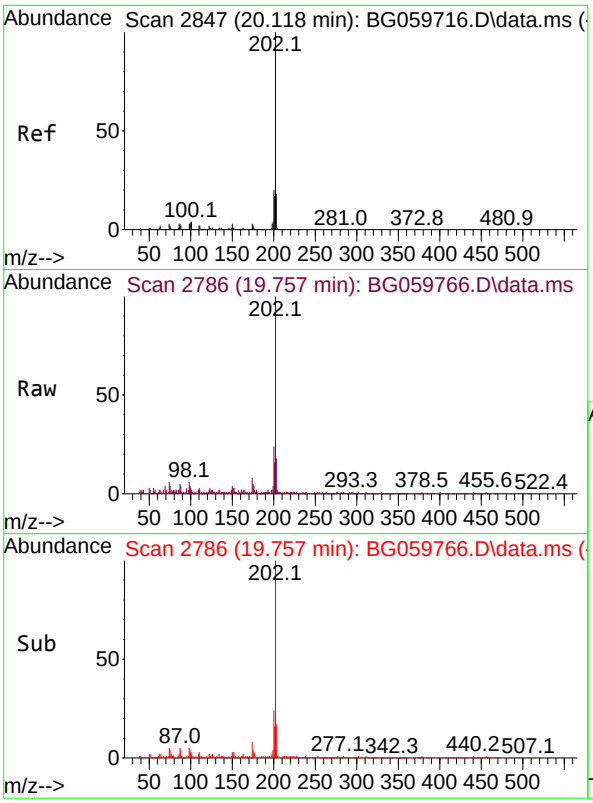


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.061 min Scan# 3178
Delta R.T. 0.010 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:240 Resp: 174916

Ion	Ratio	Lower	Upper
240	100		
120	2.2	2.2	3.2
236	30.5	19.4	29.2#



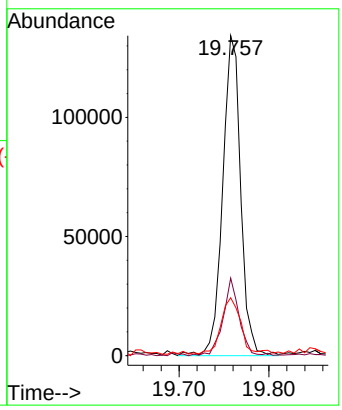


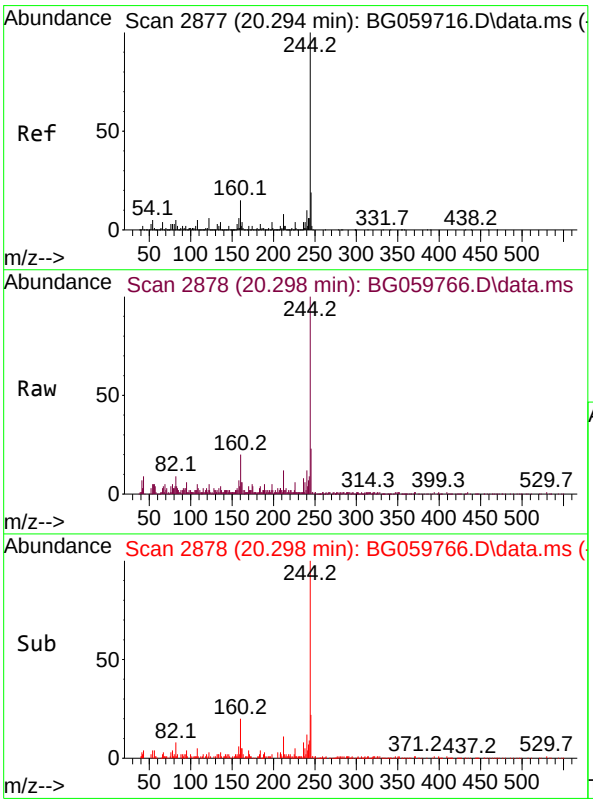
#78
Pyrene
Concen: 15.732 ng
RT: 19.757 min Scan# 2
Delta R.T. -0.360 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 187225

Ion	Ratio	Lower	Upper
202	100		
200	24.3	16.2	24.4
203	18.1	14.0	21.0

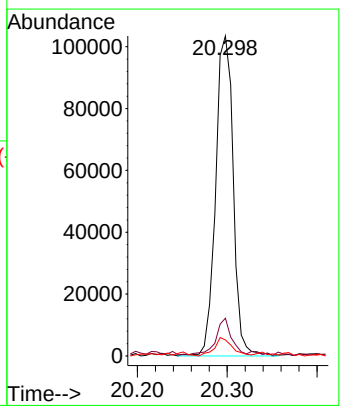


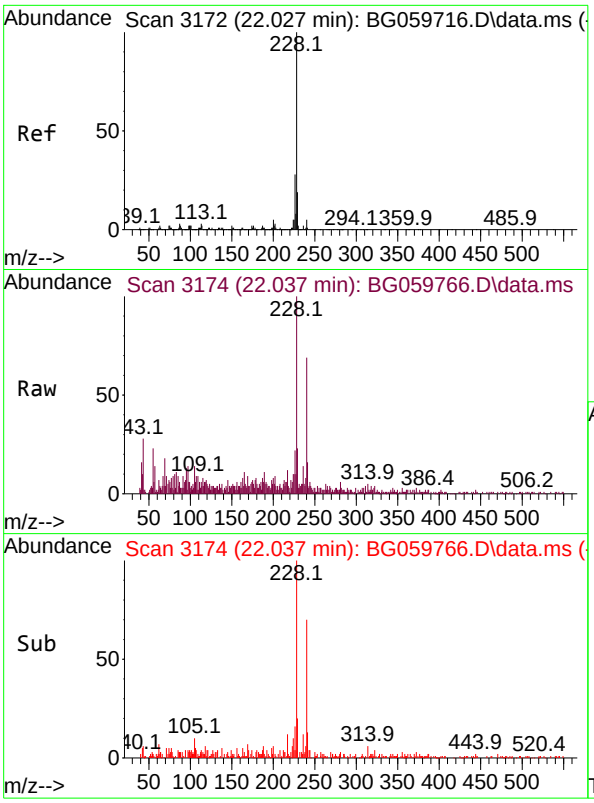


#79
Terphenyl-d14
Concen: 11.876 ng
RT: 20.298 min Scan# 2878
Delta R.T. 0.004 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:244 Resp: 140713

Ion	Ratio	Lower	Upper
244	100		
212	11.8	6.6	10.0#
122	5.0	4.4	6.6



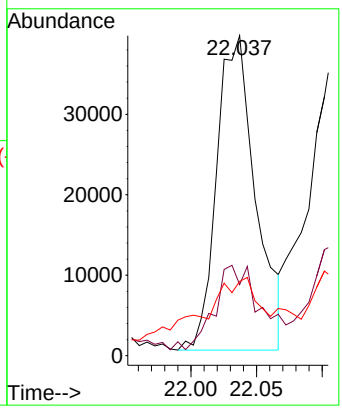


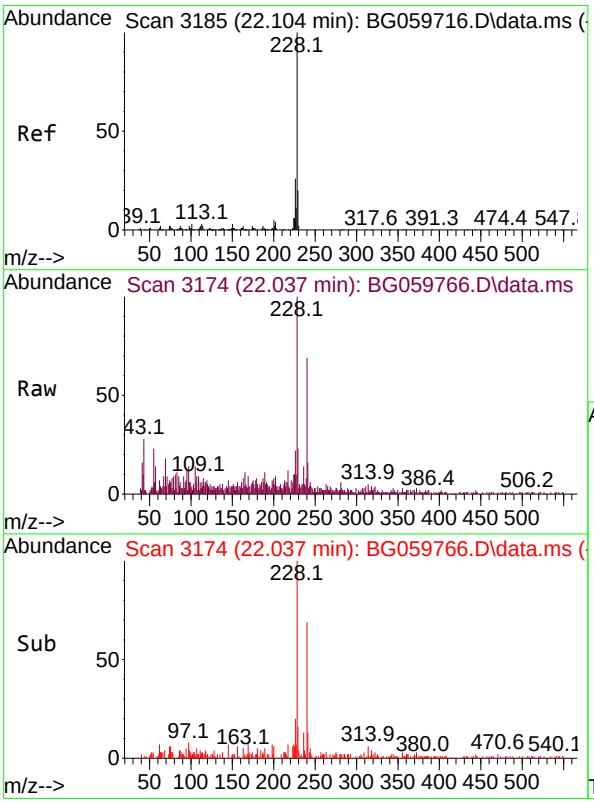
#81
Benzo(a)anthracene
Concen: 6.724 ng
RT: 22.037 min Scan# 3
Delta R.T. 0.010 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 80475

Ion	Ratio	Lower	Upper
228	100		
226	22.2	22.1	33.1
229	23.2	14.9	22.3#

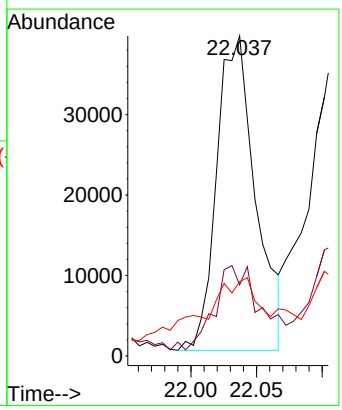


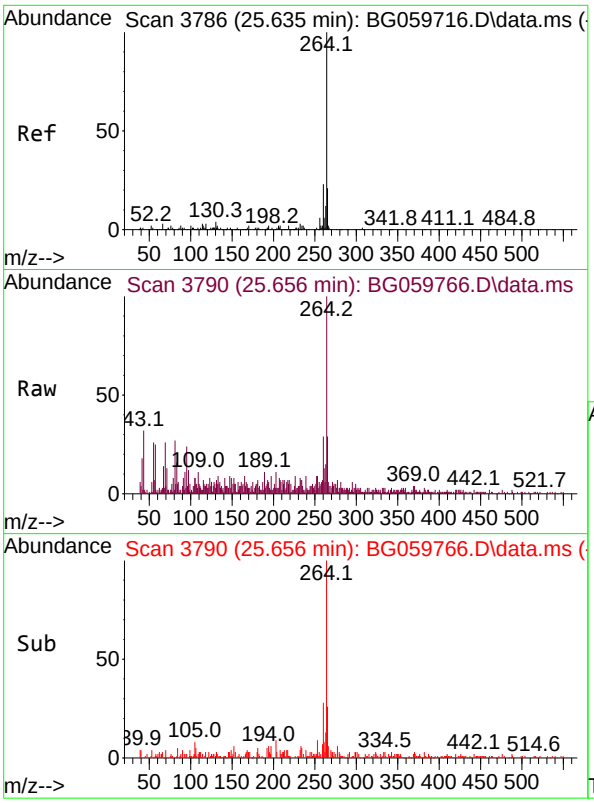


#83
Chrysene
Concen: 7.335 ng
RT: 22.037 min Scan# 3174
Delta R.T. -0.067 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:228 Resp: 80475

Ion	Ratio	Lower	Upper
228	100		
226	22.2	21.1	31.7
229	23.2	16.2	24.4



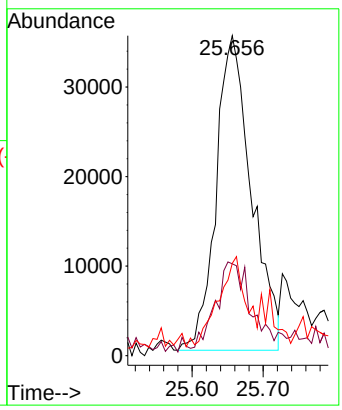


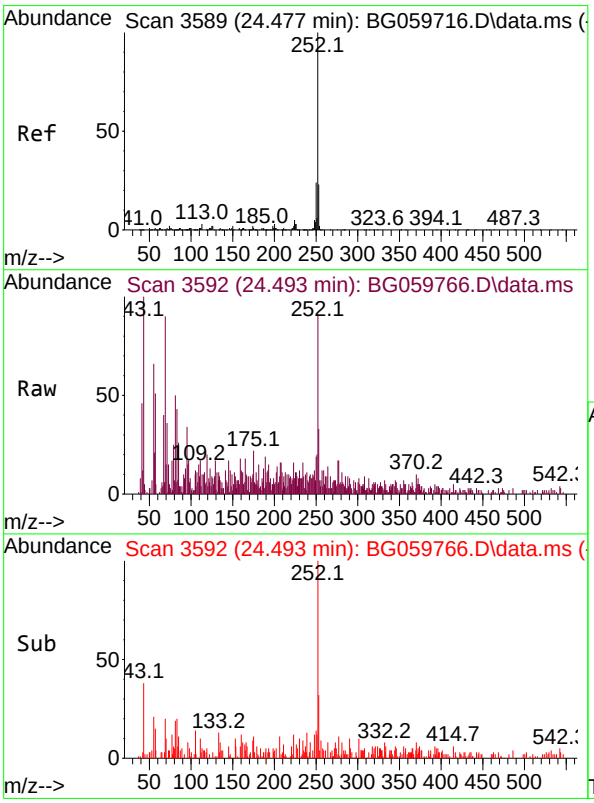
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.656 min Scan# 3
Delta R.T. 0.021 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 121340

Ion	Ratio	Lower	Upper
264	100		
260	28.7	18.5	27.7#
265	28.9	17.0	25.6#

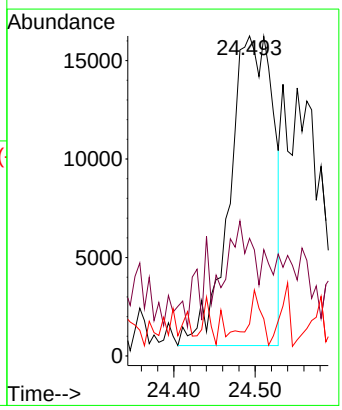


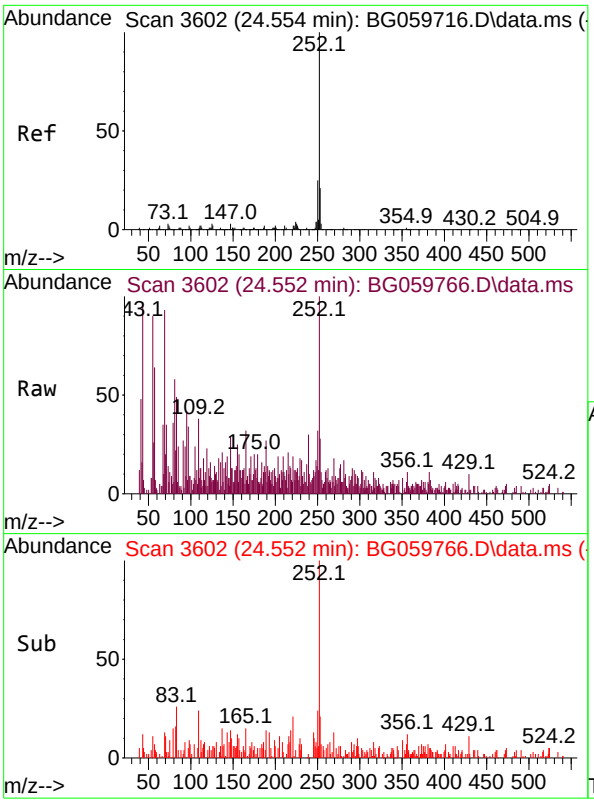


#88
Benzo(b)fluoranthene
Concen: 8.799 ng
RT: 24.493 min Scan# 3592
Delta R.T. 0.016 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:252 Resp: 58516

Ion	Ratio	Lower	Upper
252	100		
253	36.8	18.3	27.5#
125	10.0	1.4	2.0#



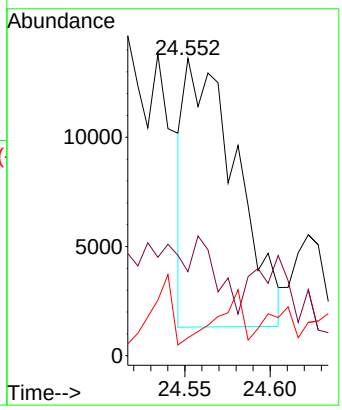


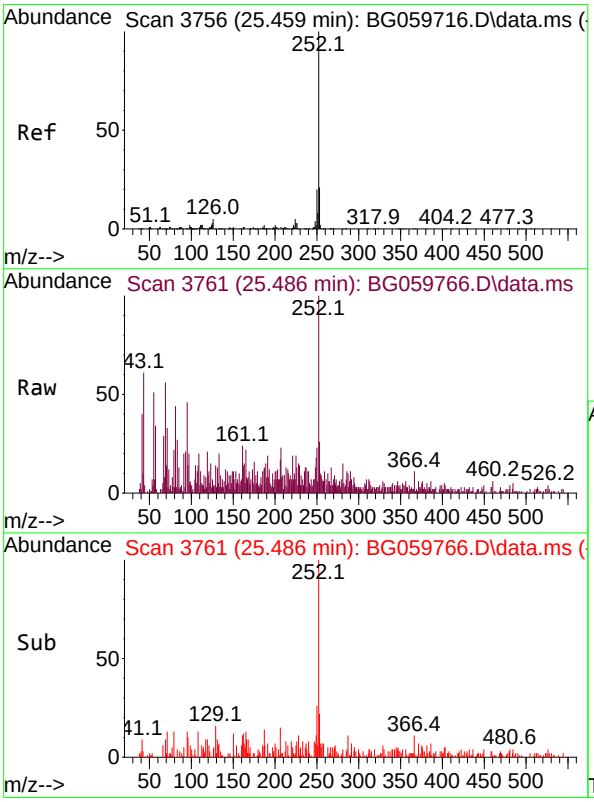
#89
Benzo(k)fluoranthene
Concen: 3.932 ng
RT: 24.552 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 25851

Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.1	25.7#
125	6.0	2.2	3.2#





#90
Benzo(a)pyrene
Concen: 7.582 ng
RT: 25.486 min Scan# 3761
Delta R.T. 0.027 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:252 Resp: 53816

Ion	Ratio	Lower	Upper
252	100		
253	26.0	16.8	25.2#
125	6.8	2.0	3.0#