

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052324\
 Data File : BG061277.D
 Acq On : 23 May 2024 18:51
 Operator : MA/JU
 Sample : P2547-27
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5Q0

Quant Time: May 24 00:37:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

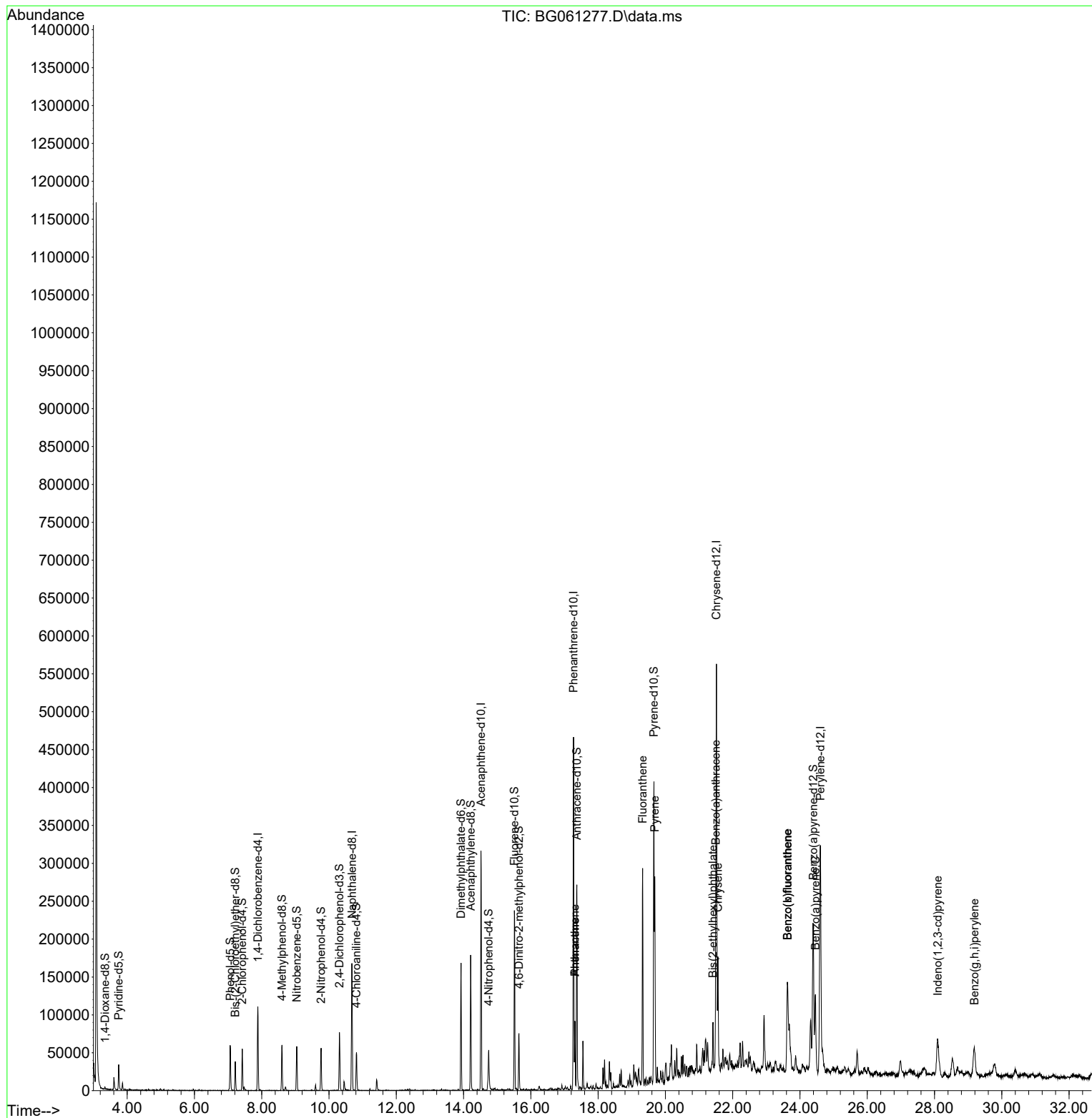
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.884	152	28177	20.000	ng/ul	0.00
20) Naphthalene-d8	10.681	136	128850	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.518	164	112394	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.267	188	282561	20.000	ng/ul	0.00
79) Chrysene-d12	21.515	240	282946	20.000	ng/ul	0.00
88) Perylene-d12	24.606	264	315304	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	1071	2.127	ng/uL	0.00
4) Pyridine-d5	3.748	84	13815	7.713	ng/ul	0.00
7) Phenol-d5	7.062	99	27156	11.736	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.214	67	17423	11.980	ng/ul	0.00
11) 2-Chlorophenol-d4	7.420	132	20610	12.035	ng/ul	0.00
15) 4-Methylphenol-d8	8.601	113	20142	10.209	ng/ul	0.00
21) Nitrobenzene-d5	9.042	128	11535	11.627	ng/ul	0.00
24) 2-Nitrophenol-d4	9.764	143	13436	11.572	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.311	165	25913	11.448	ng/ul	0.00
31) 4-Chloroaniline-d4	10.816	131	24522	8.281	ng/ul	0.00
46) Dimethylphthalate-d6	13.924	166	107224	12.300	ng/ul	0.00
49) Acenaphthylene-d8	14.212	160	113460	12.520	ng/ul	0.00
54) 4-Nitrophenol-d4	14.747	143	9461	8.779	ng/ul	0.00
60) Fluorene-d10	15.511	176	97442	12.948	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.646	200	16510	9.661	ng/ul	0.00
73) Anthracene-d10	17.367	188	168584	13.533	ng/ul	0.00
81) Pyrene-d10	19.659	212	202988	13.972	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.394	264	206857	13.646	ng/ul	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.309	178	53931	3.932	ng/ul	98
74) Anthracene	17.309	178	53931	3.803	ng/ul	96
80) Fluoranthene	19.324	202	180509	10.357	ng/ul	100
82) Pyrene	19.682	202	176770	9.771	ng/ul	98
85) Benzo(a)anthracene	21.498	228	100832	5.165	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.415	149	22246	2.418	ng/ul#	96
87) Chrysene	21.562	228	104079	5.790	ng/ul	96
90) Benzo(b)fluoranthene	23.631	252	153930	8.200	ng/ul	98
91) Benzo(k)fluoranthene	23.631	252	153930	8.077	ng/ul#	94
93) Benzo(a)pyrene	24.459	252	106740	5.988	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.096	276	77798	3.609	ng/ul#	90
96) Benzo(g,h,i)perylene	29.189	276	74016	4.316	ng/ul	97

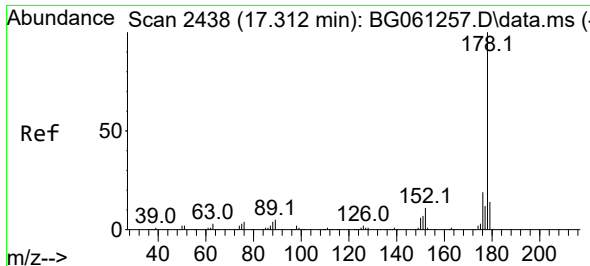
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
ClientSampleId :
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Quant Time: May 24 00:37:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration

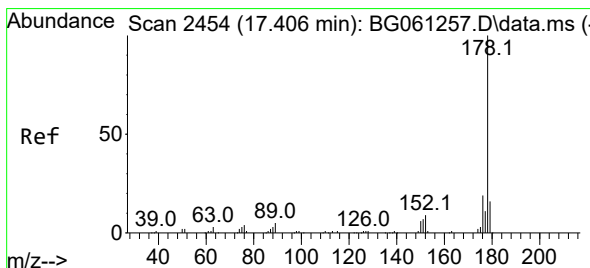
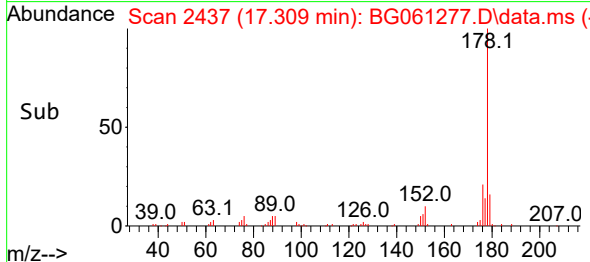
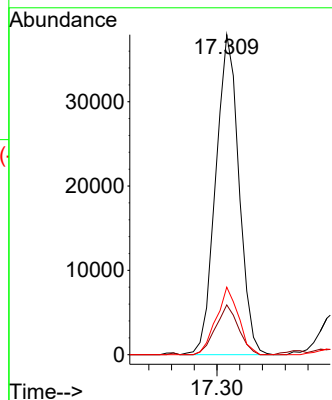
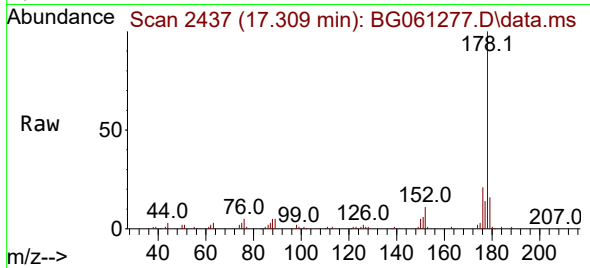




#72
Phenanthrene
Concen: 3.932 ng/ul
RT: 17.309 min Scan# 2437
Delta R.T. -0.004 min
Lab File: BG061277.D
Acq: 23 May 2024 18:51

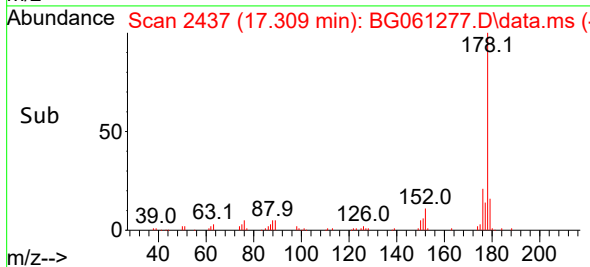
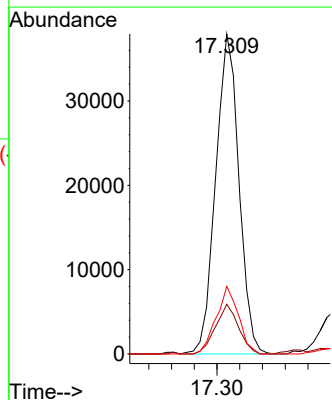
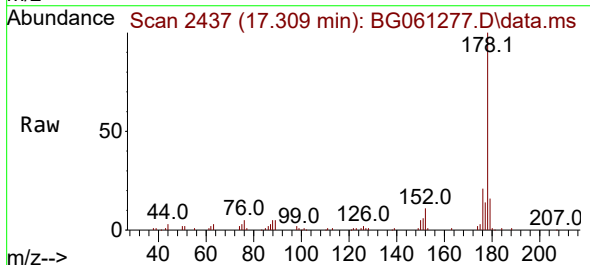
Instrument :
BNA_G
ClientSampleId :
BH5Q0

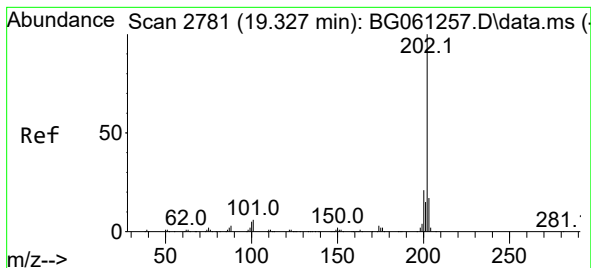
Tgt Ion:178 Resp: 53931
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 21.1 15.5 23.3



#74
Anthracene
Concen: 3.803 ng/ul
RT: 17.309 min Scan# 2437
Delta R.T. -0.092 min
Lab File: BG061277.D
Acq: 23 May 2024 18:51

Tgt Ion:178 Resp: 53931
Ion Ratio Lower Upper
178 100
179 15.6 11.8 17.6
176 21.1 14.9 22.3





#80

Fluoranthene

Concen: 10.357 ng/ul

RT: 19.324 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG061277.D

Acq: 23 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

BH5Q0

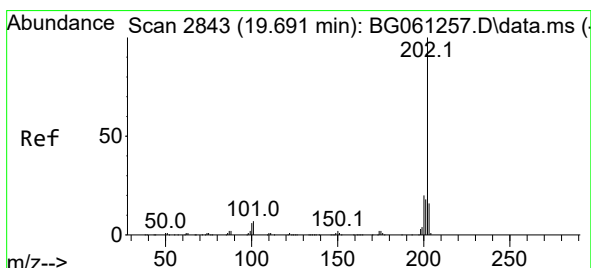
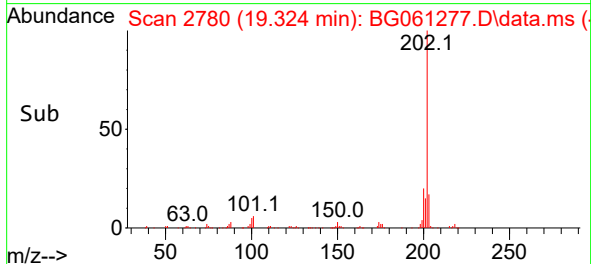
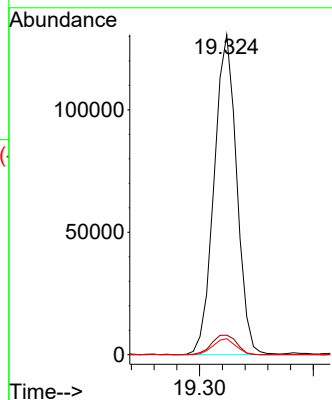
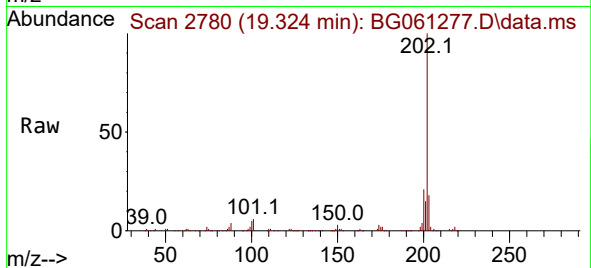
Tgt Ion:202 Resp: 180509

Ion Ratio Lower Upper

202 100

101 6.1 4.8 7.2

100 5.0 4.1 6.1



#82

Pyrene

Concen: 9.771 ng/ul

RT: 19.682 min Scan# 2841

Delta R.T. -0.004 min

Lab File: BG061277.D

Acq: 23 May 2024 18:51

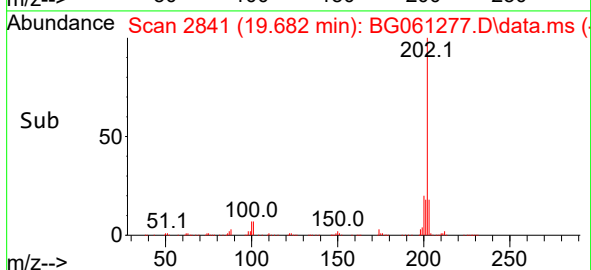
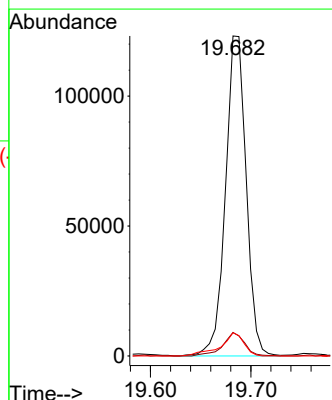
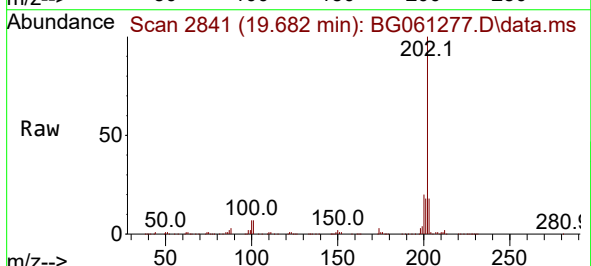
Tgt Ion:202 Resp: 176770

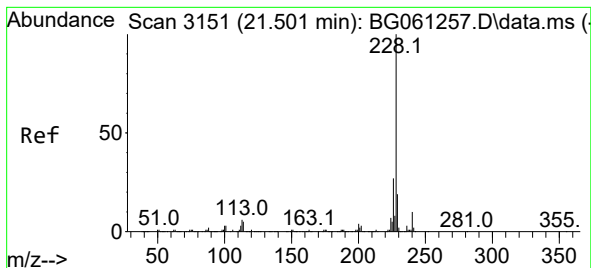
Ion Ratio Lower Upper

202 100

101 7.4 5.7 8.5

100 7.3 5.1 7.7





#85

Benzo(a)anthracene

Concen: 5.165 ng/ul

RT: 21.498 min Scan# 3151

Delta R.T. -0.004 min

Lab File: BG061277.D

Acq: 23 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

BH5Q0

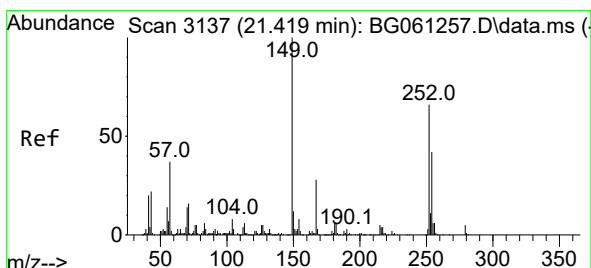
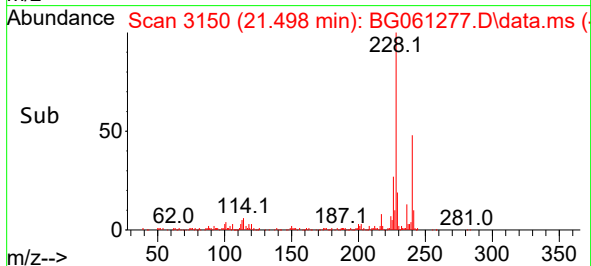
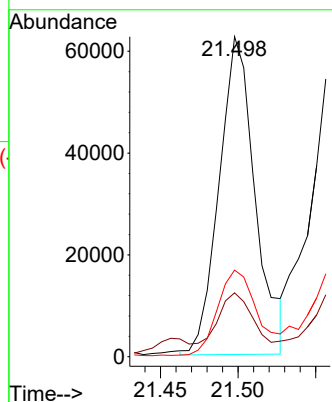
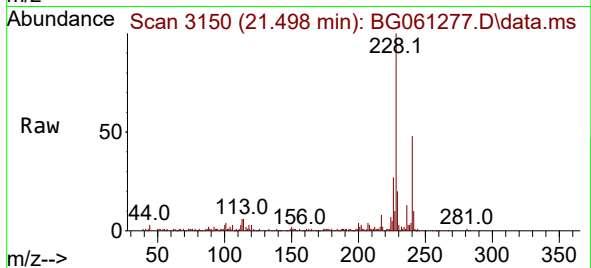
Tgt Ion:228 Resp: 100832

Ion Ratio Lower Upper

228 100

229 19.9 15.2 22.8

226 27.1 21.4 32.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.418 ng/ul

RT: 21.415 min Scan# 3136

Delta R.T. 0.002 min

Lab File: BG061277.D

Acq: 23 May 2024 18:51

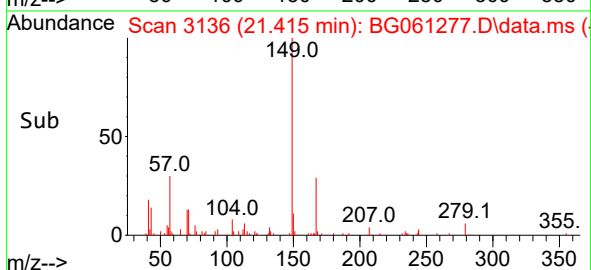
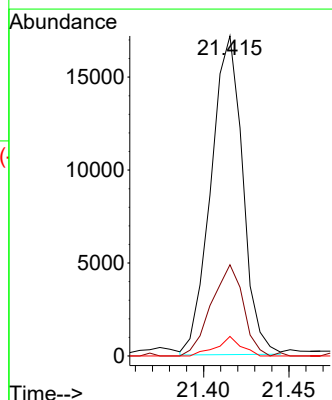
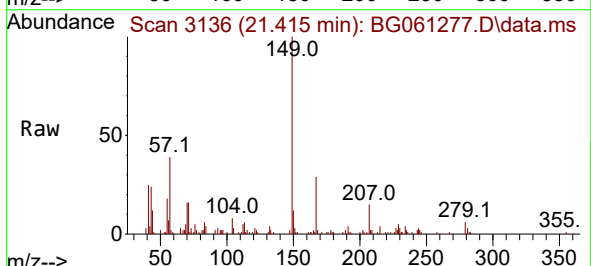
Tgt Ion:149 Resp: 22246

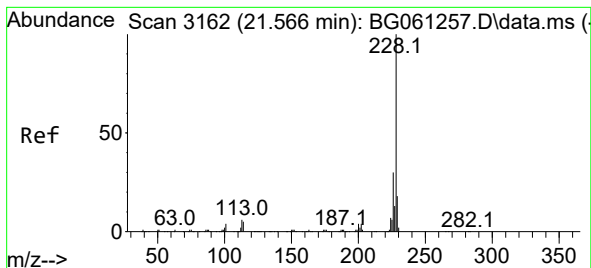
Ion Ratio Lower Upper

149 100

167 28.5 21.1 31.7

279 6.1 3.3 4.9#





#87

Chrysene

Concen: 5.790 ng/ul

RT: 21.562 min Scan# 3162

Delta R.T. -0.004 min

Lab File: BG061277.D

Acq: 23 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

BH5Q0

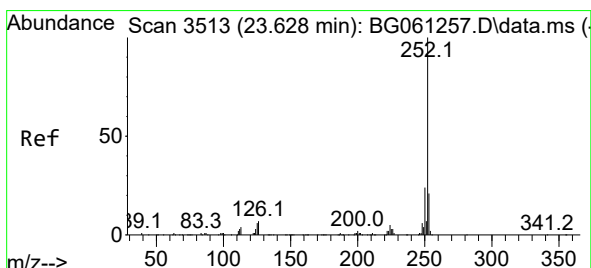
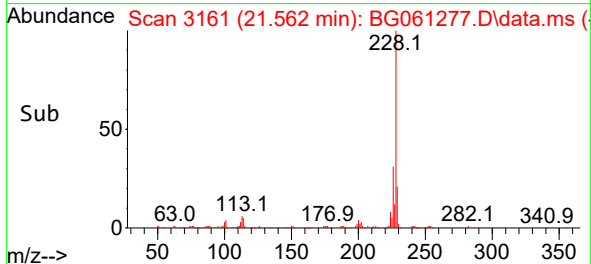
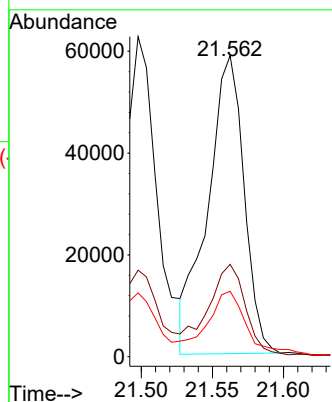
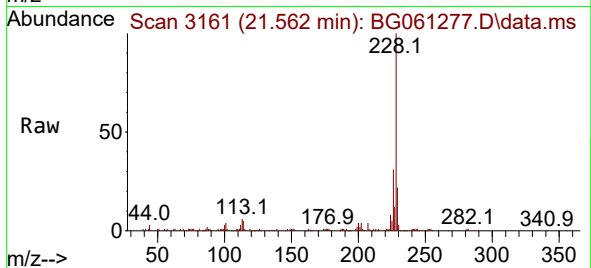
Tgt Ion:228 Resp: 104079

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

229 21.7 15.4 23.2



#90

Benzo(b)fluoranthene

Concen: 8.200 ng/ul

RT: 23.631 min Scan# 3513

Delta R.T. 0.002 min

Lab File: BG061277.D

Acq: 23 May 2024 18:51

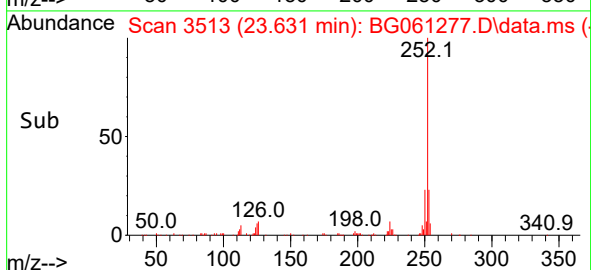
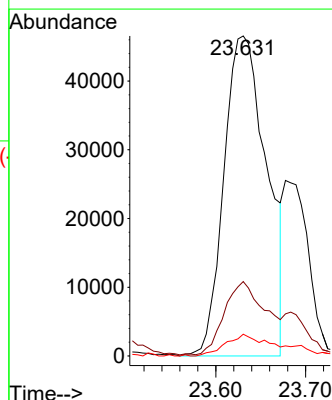
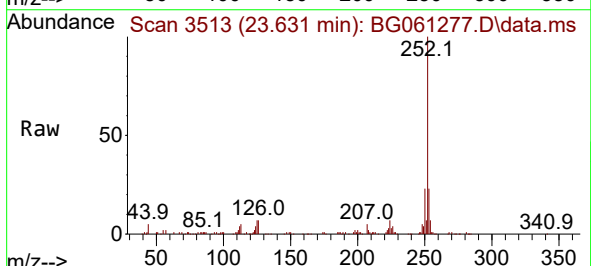
Tgt Ion:252 Resp: 153930

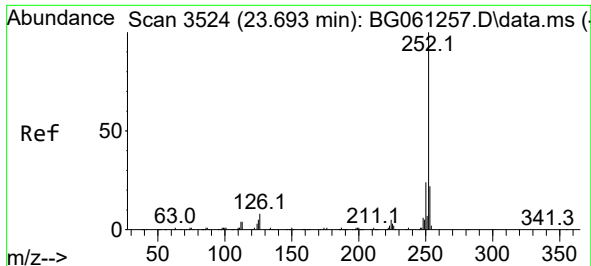
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 6.8 4.6 6.8

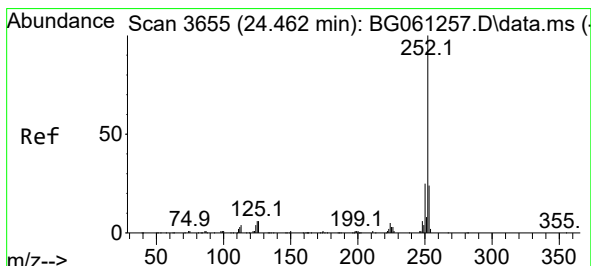
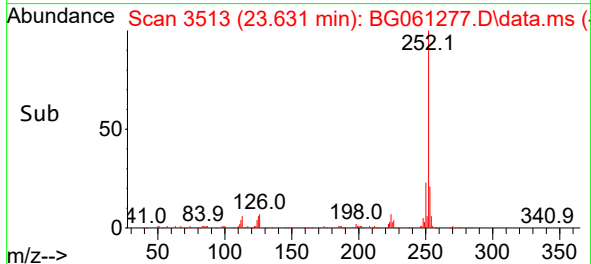
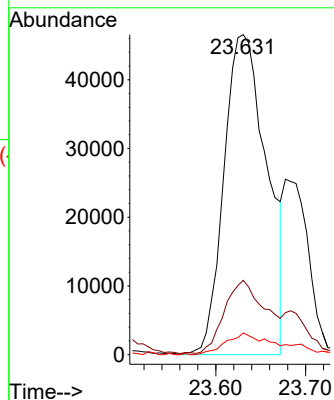
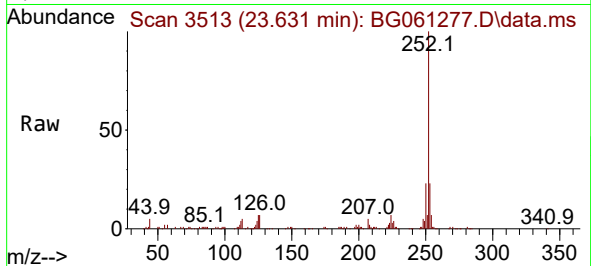




#91
Benzo(k)fluoranthene
Concen: 8.077 ng/ul
RT: 23.631 min Scan# 3513
Delta R.T. -0.063 min
Lab File: BG061277.D
Acq: 23 May 2024 18:51

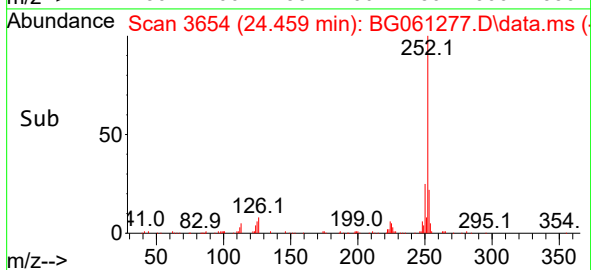
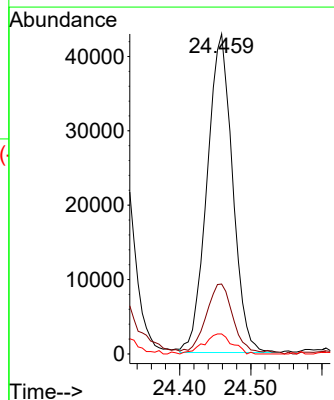
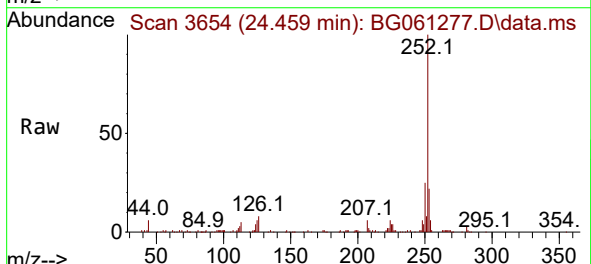
Instrument :
BNA_G
ClientSampleId :
BH5Q0

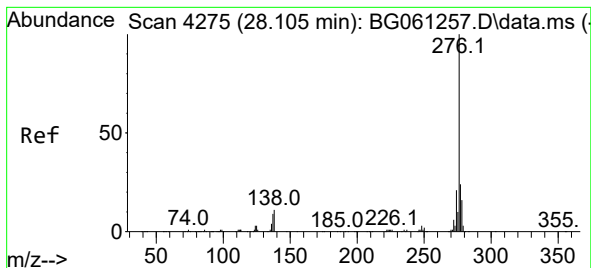
Tgt Ion:252 Resp: 153930
Ion Ratio Lower Upper
252 100
253 23.3 16.0 24.0
125 6.8 4.3 6.5#



#93
Benzo(a)pyrene
Concen: 5.988 ng/ul
RT: 24.459 min Scan# 3654
Delta R.T. -0.004 min
Lab File: BG061277.D
Acq: 23 May 2024 18:51

Tgt Ion:252 Resp: 106740
Ion Ratio Lower Upper
252 100
253 21.8 16.4 24.6
125 6.2 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.609 ng/ul

RT: 28.096 min Scan# 41

Delta R.T. -0.010 min

Lab File: BG061277.D

Acq: 23 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

BH5Q0

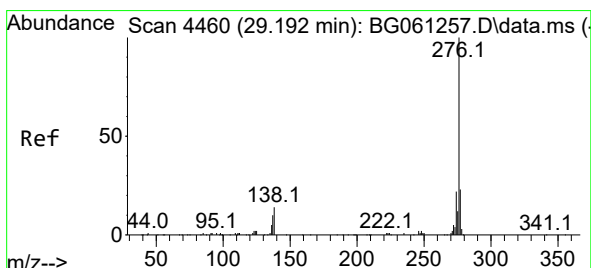
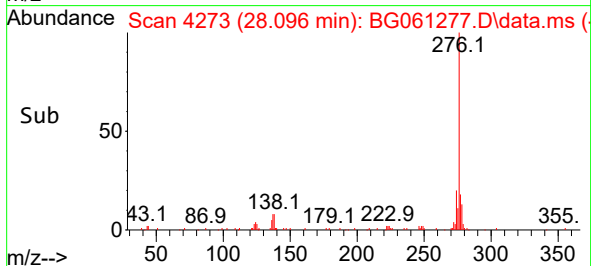
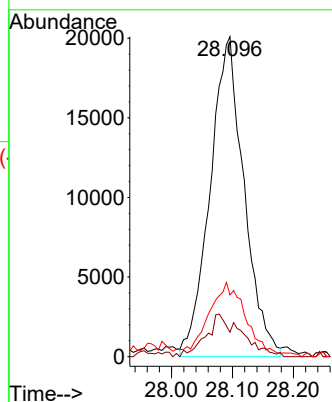
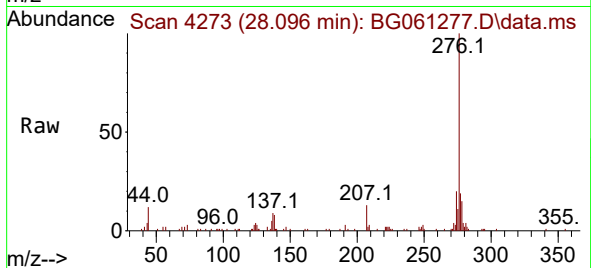
Tgt Ion:276 Resp: 77798

Ion Ratio Lower Upper

276 100

138 7.6 8.6 13.0#

277 19.3 19.7 29.5#



#96

Benzo(g,h,i)perylene

Concen: 4.316 ng/ul

RT: 29.189 min Scan# 4459

Delta R.T. -0.004 min

Lab File: BG061277.D

Acq: 23 May 2024 18:51

Tgt Ion:276 Resp: 74016

Ion Ratio Lower Upper

276 100

138 13.0 8.7 13.1

277 23.8 18.2 27.2

