

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051324\
 Data File : BG061179.D
 Acq On : 13 May 2024 17:27
 Operator : MA/JU
 Sample : P2440-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EQ-TANK-CONTAINMENT-PIT

Quant Time: May 13 18:05:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

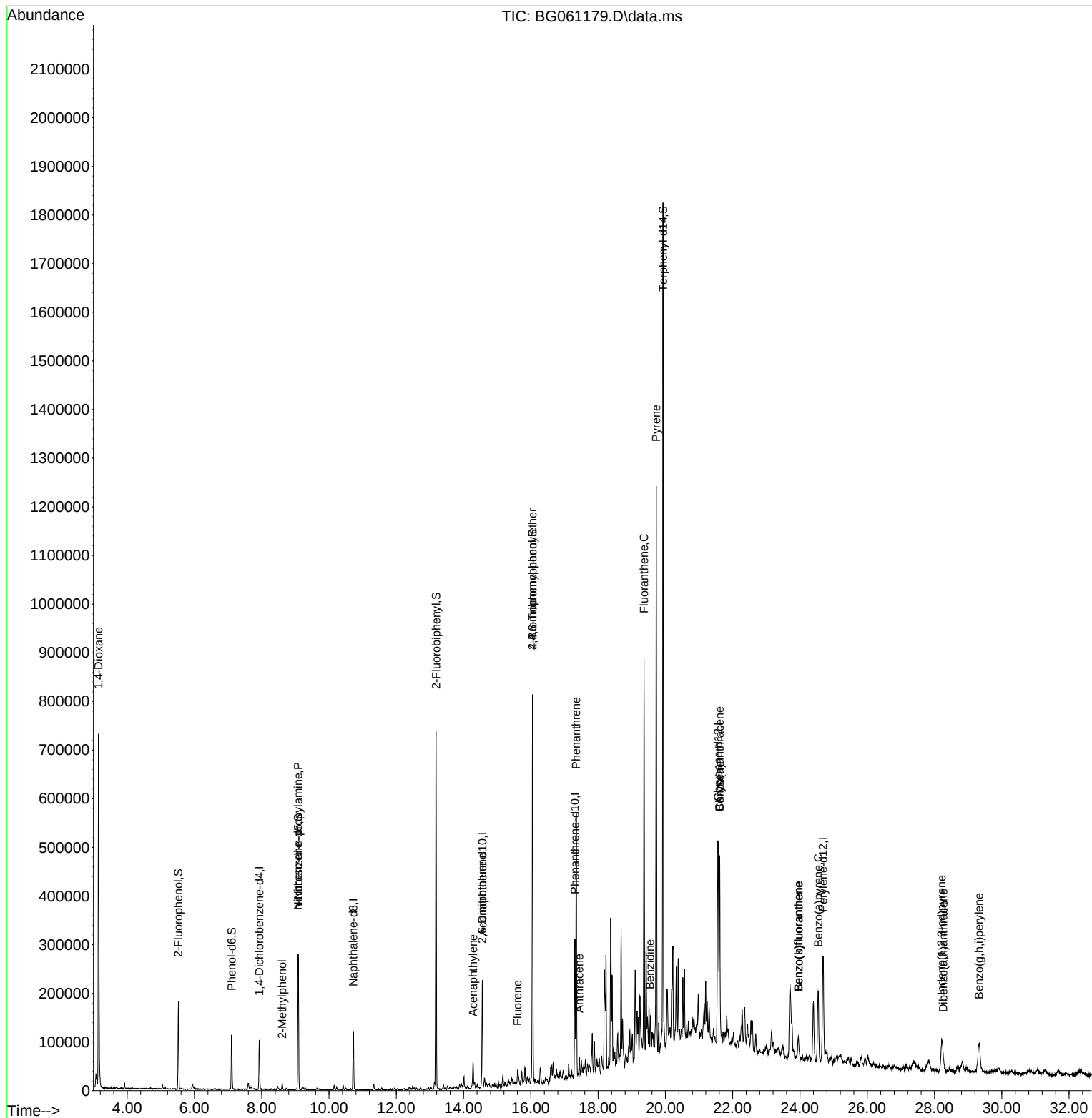
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	26139	20.000	ng	-0.03
21) Naphthalene-d8	10.721	136	92269	20.000	ng	-0.04
39) Acenaphthene-d10	14.557	164	75392	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	189362	20.000	ng	-0.03
76) Chrysene-d12	21.567	240	195951	20.000	ng	-0.03
86) Perylene-d12	24.687	264	243435	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	60423	47.012	ng	-0.03
7) Phenol-d6	7.107	99	49674	26.126	ng	-0.03
23) Nitrobenzene-d5	9.082	82	143016	76.836	ng	-0.04
42) 2,4,6-Tribromophenol	16.050	330	171366	113.717	ng	-0.03
45) 2-Fluorobiphenyl	13.183	172	375043	73.560	ng	-0.03
79) Terphenyl-d14	19.928	244	870347	73.871	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.147	88	5720	11.007	ng	# 1
9) Benzaldehyde	7.060	77	303	Below Cal		# 43
17) 2-Methylphenol	8.606	107	3655	2.653	ng	# 17
19) n-Nitroso-di-n-propyla...	9.082	70	21197	14.897	ng	# 61
49) Acenaphthylene	14.281	152	44937	7.559	ng	# 97
51) 2,6-Dinitrotoluene	14.552	165	10820	8.687	ng	# 21
58) Fluorene	15.603	166	13212	2.437	ng	# 91
67) 4-Bromophenyl-phenylether	16.050	248	10484	4.700	ng	# 1
71) Phenanthrene	17.348	178	326636	37.725	ng	# 98
72) Anthracene	17.436	178	28245	3.269	ng	# 97
75) Fluoranthene	19.364	202	472543	39.837	ng	# 99
77) Benzidine	19.546	184	482	2.917	ng	# 1
78) Pyrene	19.728	202	755900	60.677	ng	# 99
81) Benzo(a)anthracene	21.614	228	281220	21.932	ng	# 94
83) Chrysene	21.614	228	281220	23.409	ng	# 98
87) Indeno(1,2,3-cd)pyrene	28.212	276	110193	6.830	ng	# 97
88) Benzo(b)fluoranthene	23.952	252	54485	4.005	ng	# 98
89) Benzo(k)fluoranthene	23.952	252	54485	4.163	ng	# 96
90) Benzo(a)pyrene	24.540	252	165447	13.960	ng	# 100
91) Dibenzo(a,h)anthracene	28.259	278	27052	2.025	ng	# 96
92) Benzo(g,h,i)perylene	29.322	276	122240	9.207	ng	# 96

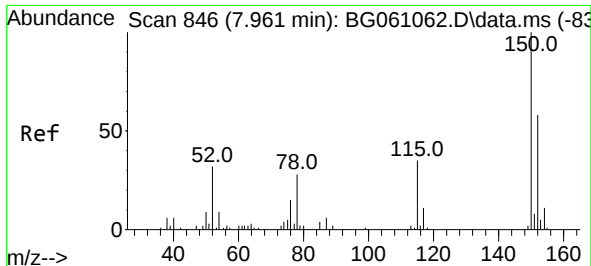
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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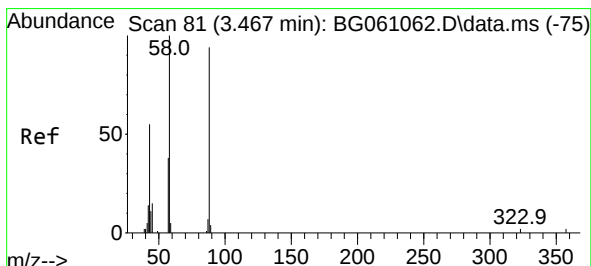
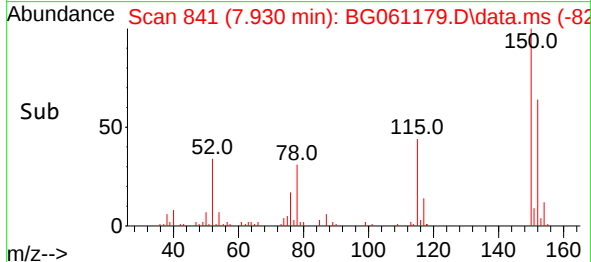
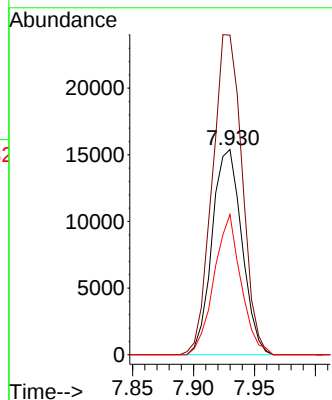
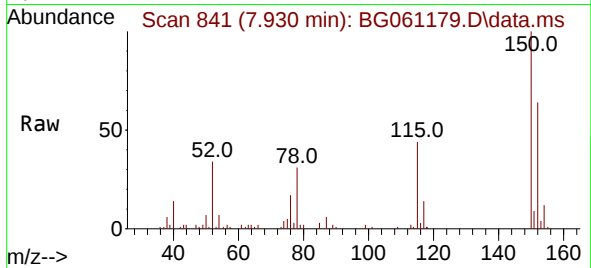




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 84
Delta R.T. -0.031 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

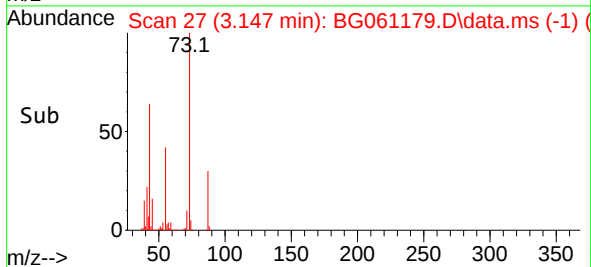
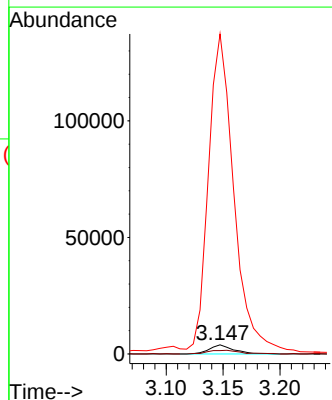
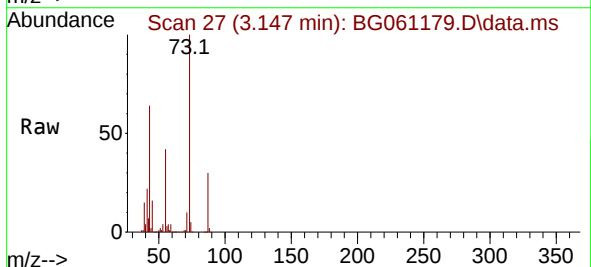
Instrument :
BNA_G
ClientSampleId :
EQ-TANK-CONTAINMENT-PIT

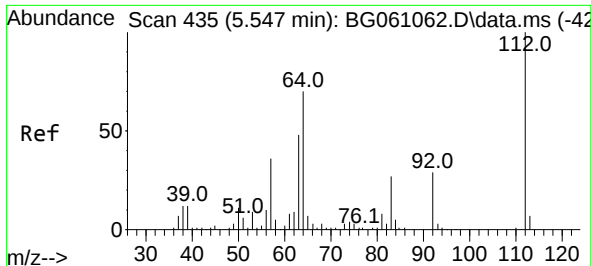
Tgt Ion:152 Resp: 26139
Ion Ratio Lower Upper
152 100
150 155.8 138.3 207.5
115 68.3 48.0 72.0



#2
1,4-Dioxane
Concen: 11.007 ng
RT: 3.147 min Scan# 27
Delta R.T. -0.319 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

Tgt Ion: 88 Resp: 5720
Ion Ratio Lower Upper
88 100
58 56.1 81.2 121.8#
43 3742.6 45.0 67.4#

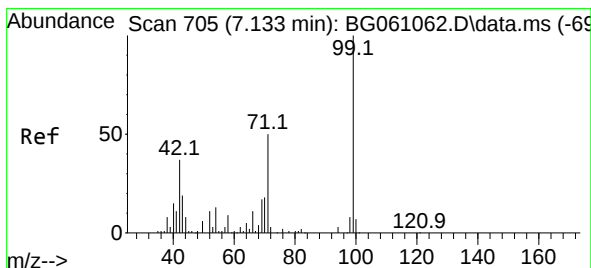
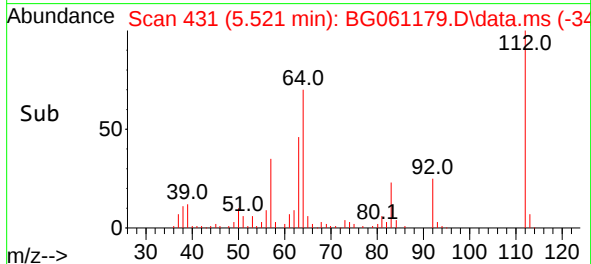
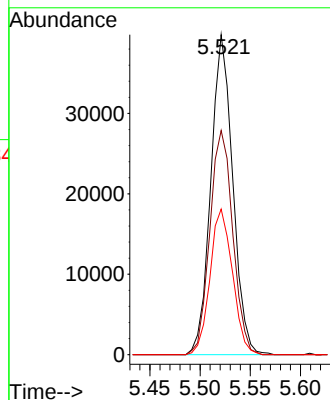
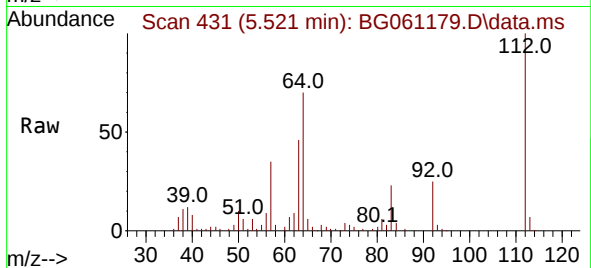




#5
2-Fluorophenol
Concen: 47.012 ng
RT: 5.521 min Scan# 41
Delta R.T. -0.026 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

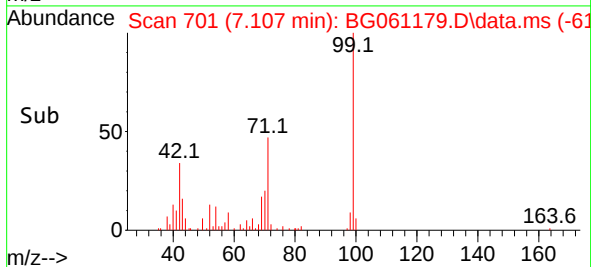
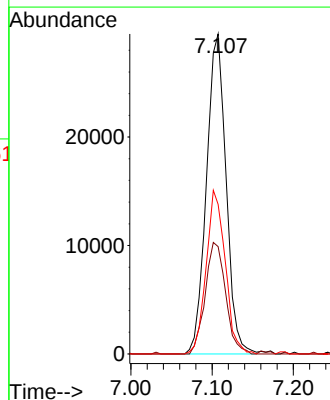
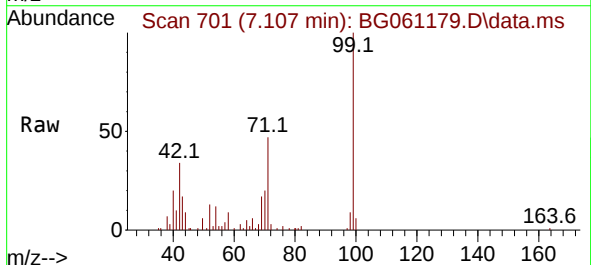
Instrument :
BNA_G
ClientSampleId :
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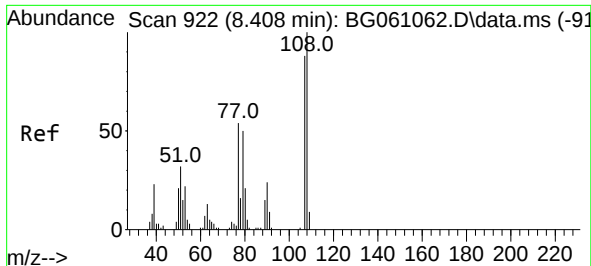
Tgt Ion:112 Resp: 60423
Ion Ratio Lower Upper
112 100
64 70.1 55.7 83.5
63 45.5 38.1 57.1



#7
Phenol-d6
Concen: 26.126 ng
RT: 7.107 min Scan# 701
Delta R.T. -0.026 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

Tgt Ion: 99 Resp: 49674
Ion Ratio Lower Upper
99 100
42 33.6 29.2 43.8
71 46.8 39.7 59.5

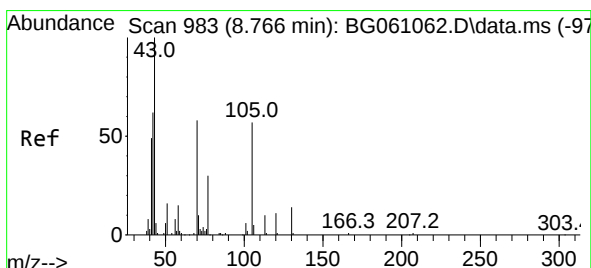
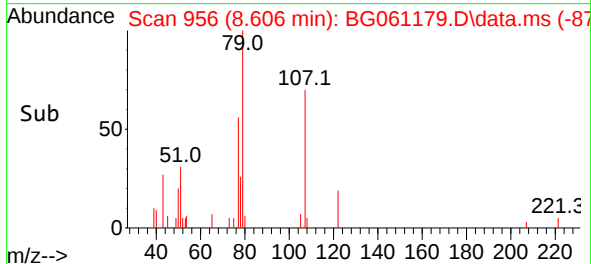
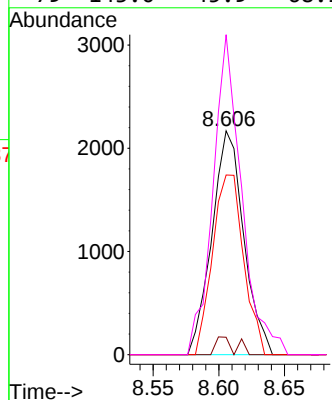
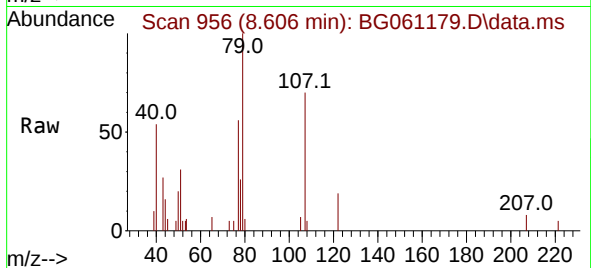




#17
2-Methylphenol
Concen: 2.653 ng
RT: 8.606 min Scan# 91
Delta R.T. 0.198 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

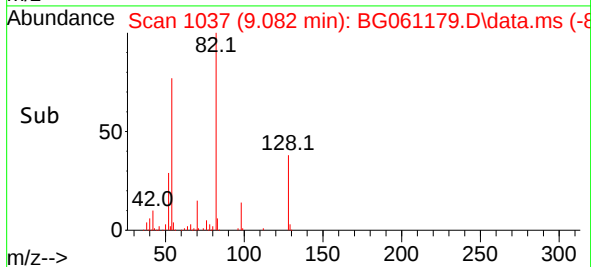
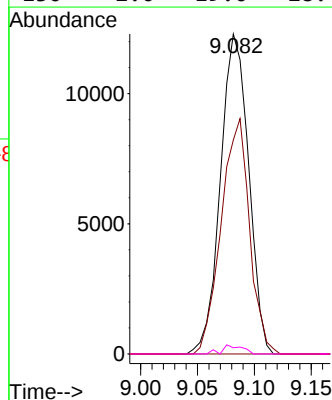
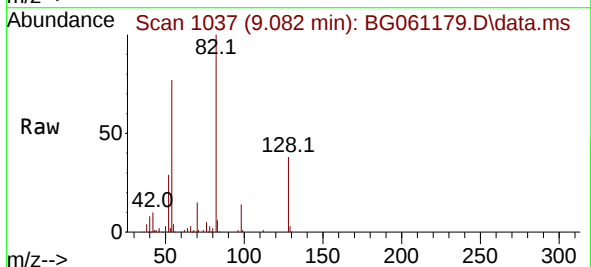
Instrument :
BNA_G
ClientSampleId :
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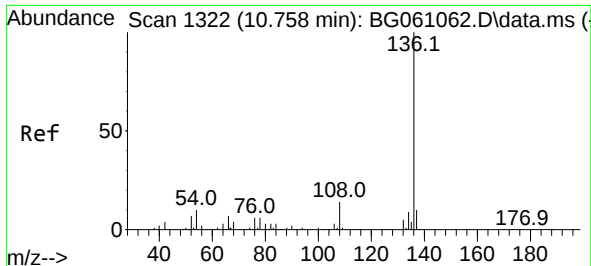
Tgt Ion:107 Resp: 3655
Ion Ratio Lower Upper
107 100
108 7.8 91.4 137.2#
77 80.3 49.4 74.2#
79 143.0 45.9 68.9#



#19
n-Nitroso-di-n-propylamine
Concen: 14.897 ng
RT: 9.082 min Scan# 1037
Delta R.T. 0.315 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

Tgt Ion: 70 Resp: 21197
Ion Ratio Lower Upper
70 100
42 66.8 86.4 129.6#
101 0.0 7.8 11.8#
130 2.0 19.0 28.4#

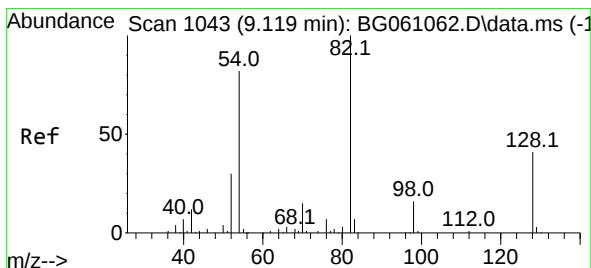
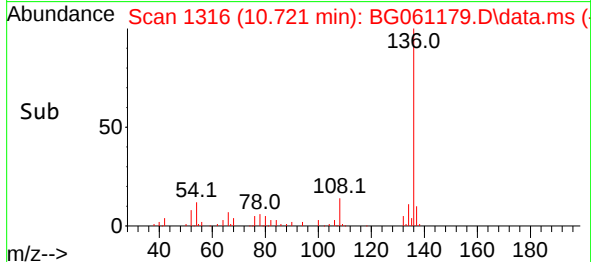
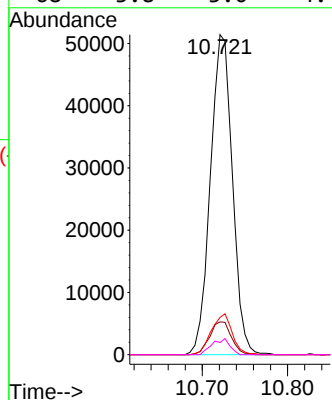
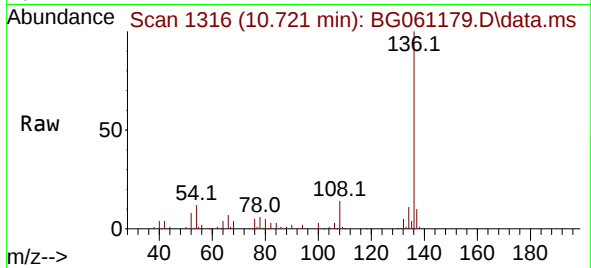




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.721 min Scan# 11
Delta R.T. -0.037 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

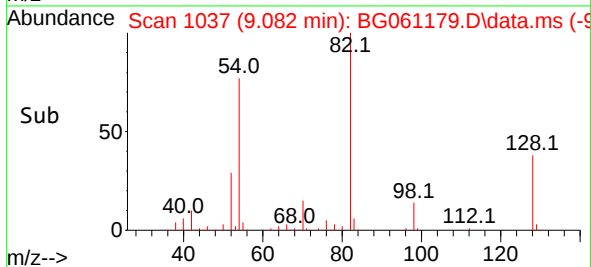
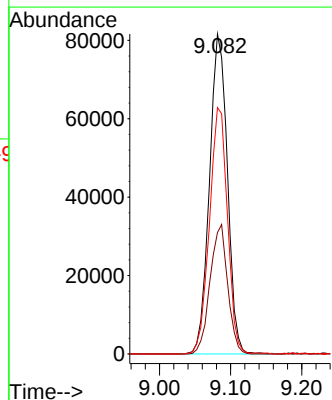
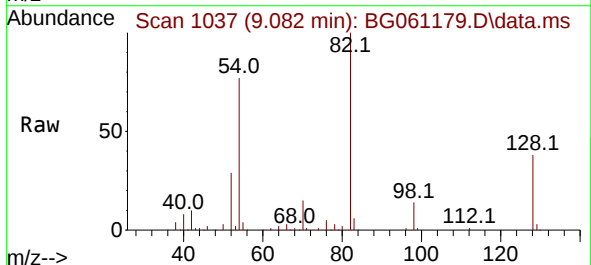
Instrument :
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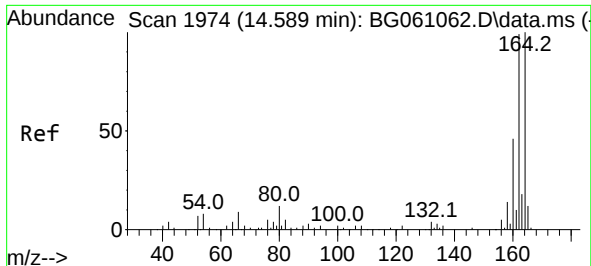
Tgt Ion:136	Resp:	92269
Ion	Ratio	Lower Upper
136	100	
137	10.3	7.8 11.6
54	11.7	8.1 12.1
68	3.8	3.0 4.4



#23
Nitrobenzene-d5
Concen: 76.836 ng
RT: 9.082 min Scan# 1037
Delta R.T. -0.037 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

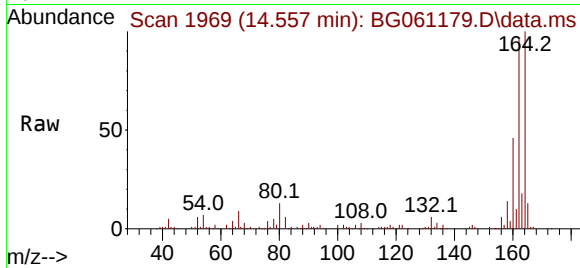
Tgt Ion: 82	Resp:	143016
Ion	Ratio	Lower Upper
82	100	
128	38.0	32.7 49.1
54	77.0	65.6 98.4



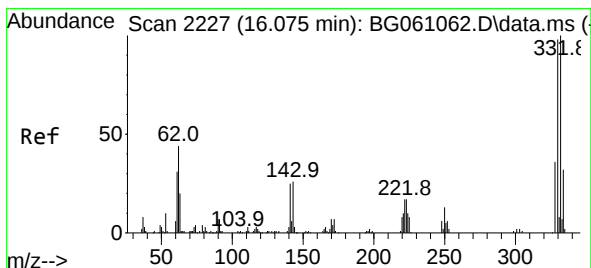
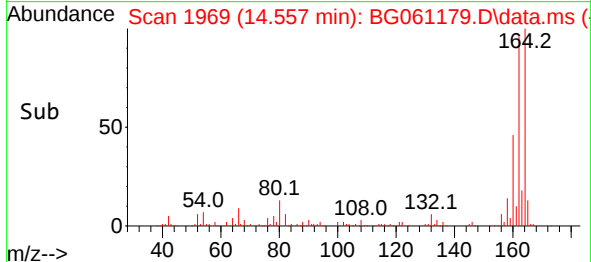
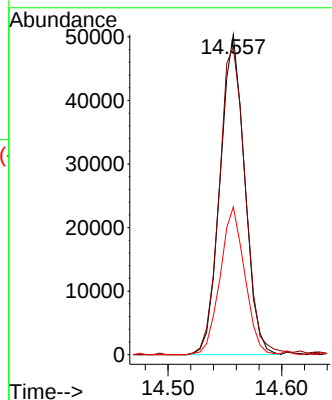


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.031 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

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ClientSampleId :
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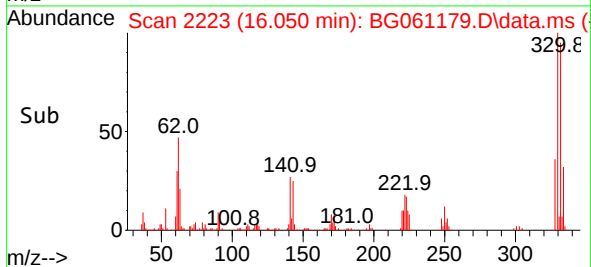
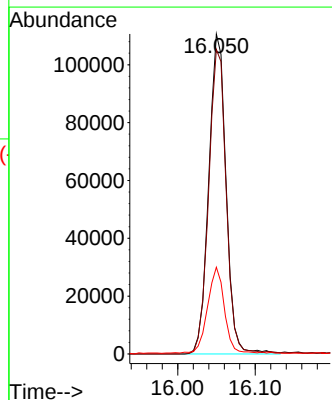
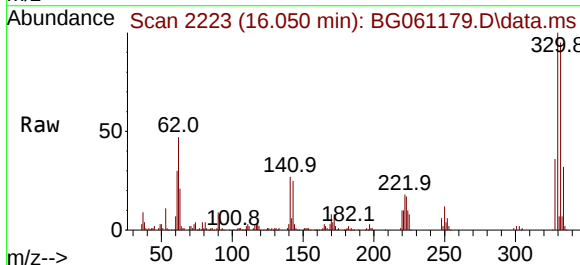


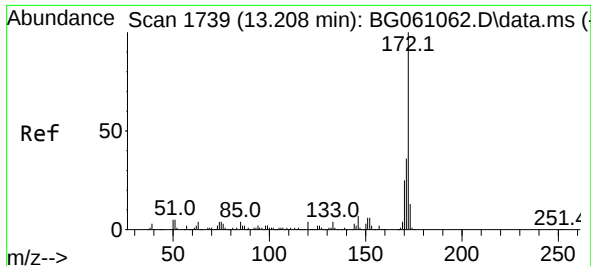
Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.2	79.4	119.2
160	46.2	37.0	55.6



#42
2,4,6-Tribromophenol
Concen: 113.717 ng
RT: 16.050 min Scan# 2223
Delta R.T. -0.026 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.6	117.8
141	26.1	20.5	30.7

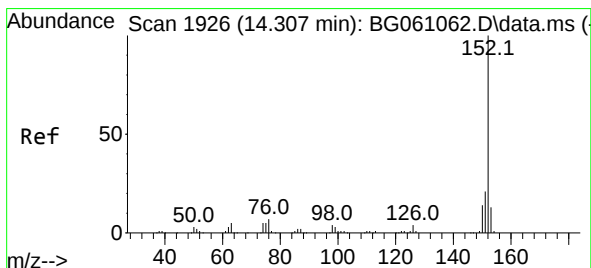
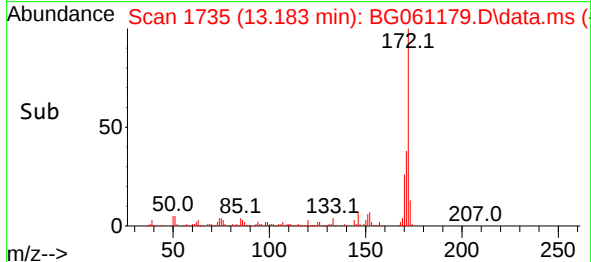
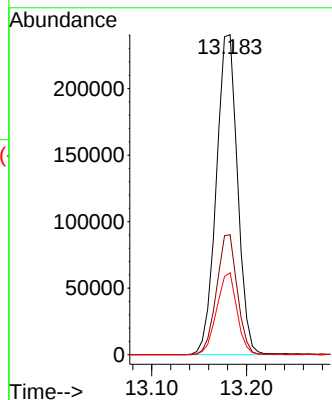
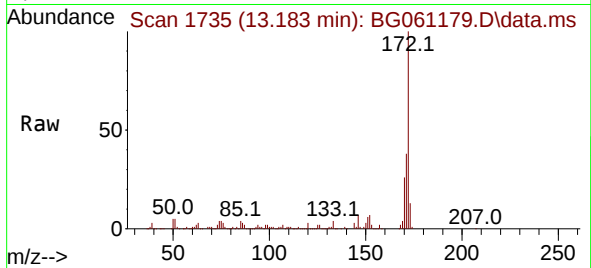




#45
2-Fluorobiphenyl
Concen: 73.560 ng
RT: 13.183 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

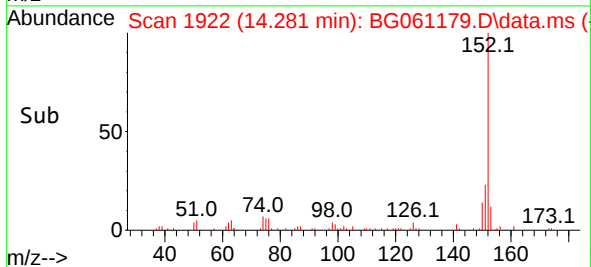
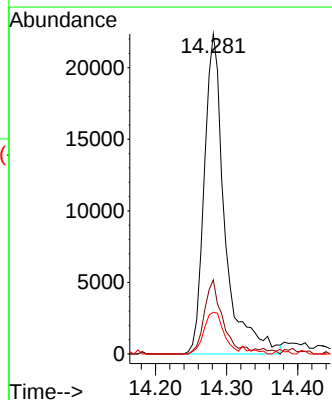
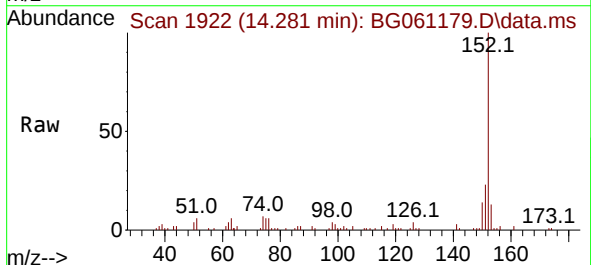
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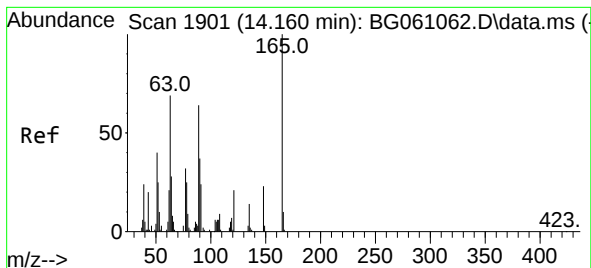
Tgt Ion:172 Resp: 375043
Ion Ratio Lower Upper
172 100
171 37.5 29.0 43.6
170 25.6 20.2 30.4



#49
Acenaphthylene
Concen: 7.559 ng
RT: 14.281 min Scan# 1922
Delta R.T. -0.026 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

Tgt Ion:152 Resp: 44937
Ion Ratio Lower Upper
152 100
151 23.1 16.9 25.3
153 13.1 10.6 15.8





#51

2,6-Dinitrotoluene

Concen: 8.687 ng

RT: 14.552 min Scan# 1901

Delta R.T. 0.392 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

Instrument :

BNA_G

ClientSampleId :

EQ-TANK-CONTAINMENT-PIT

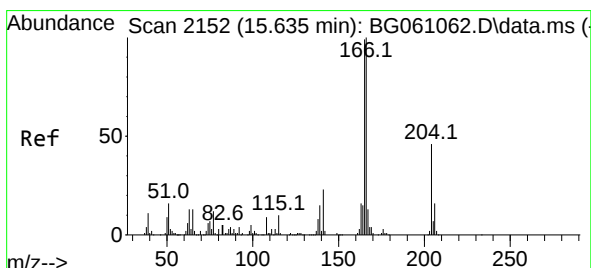
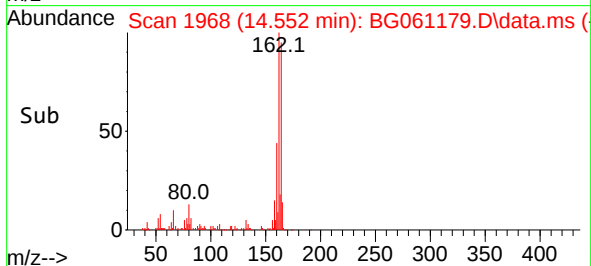
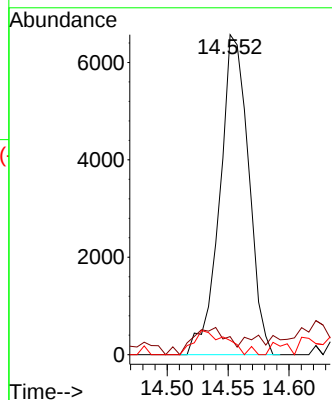
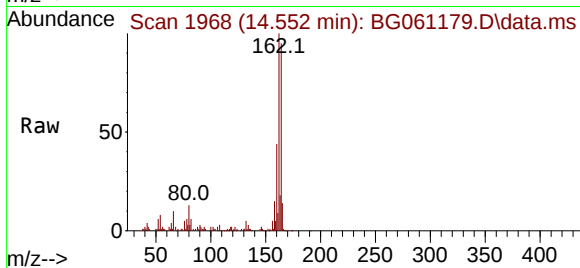
Tgt Ion:165 Resp: 10820

Ion Ratio Lower Upper

165 100

63 5.7 60.0 90.0#

89 4.4 50.9 76.3#



#58

Fluorene

Concen: 2.437 ng

RT: 15.603 min Scan# 2147

Delta R.T. -0.031 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

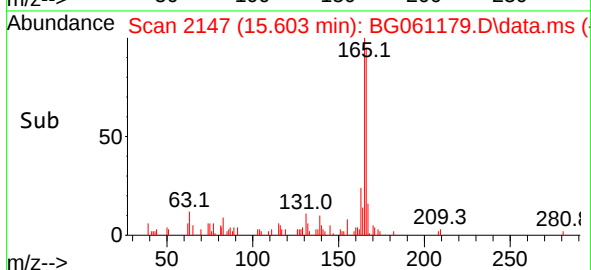
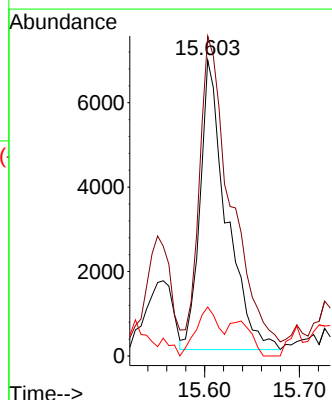
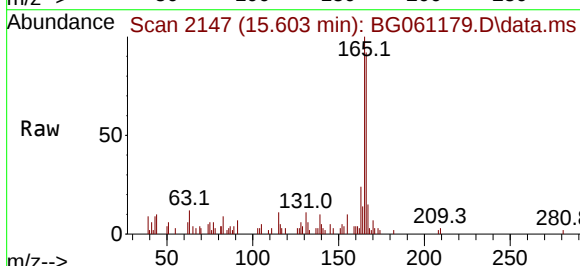
Tgt Ion:166 Resp: 13212

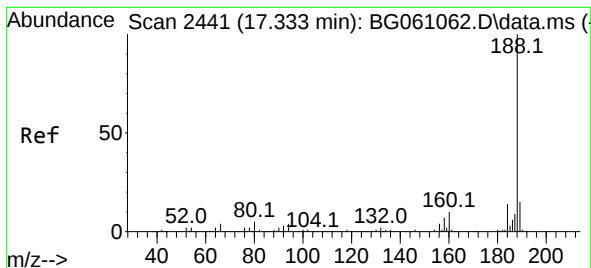
Ion Ratio Lower Upper

166 100

165 108.2 78.9 118.3

167 16.6 10.6 15.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.307 min Scan# 2441

Delta R.T. -0.026 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

Instrument :

BNA_G

ClientSampleId :

EQ-TANK-CONTAINMENT-PIT

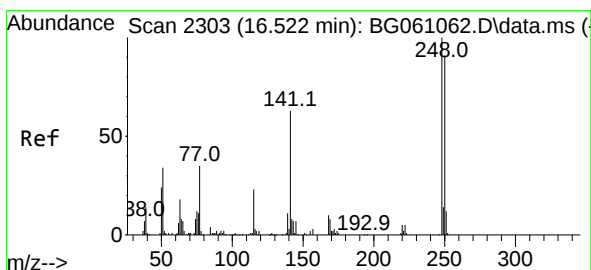
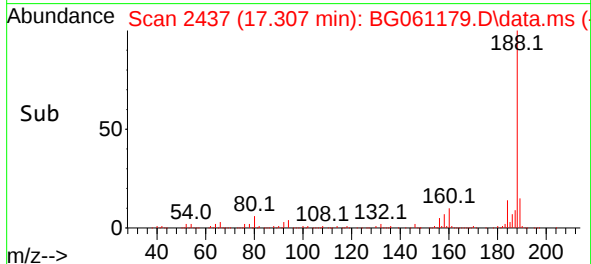
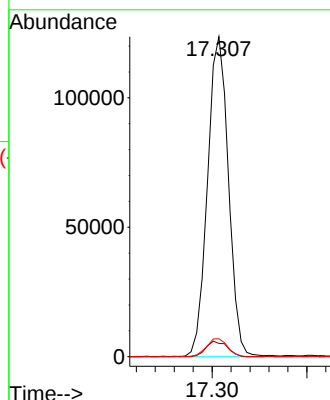
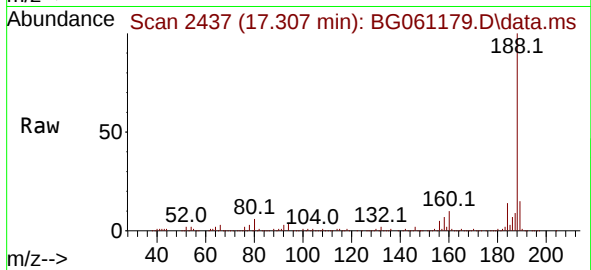
Tgt Ion:188 Resp: 189362

Ion Ratio Lower Upper

188 100

94 4.1 3.6 5.4

80 5.6 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 4.700 ng

RT: 16.050 min Scan# 2223

Delta R.T. -0.472 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

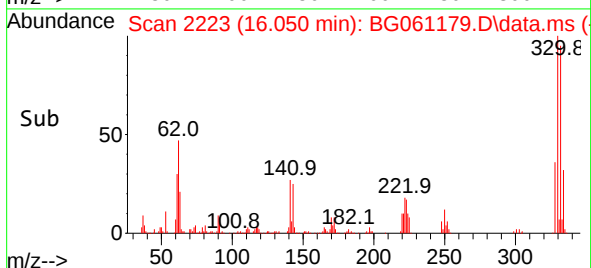
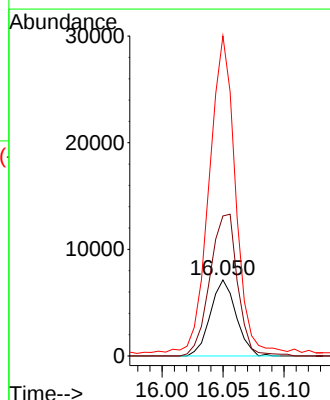
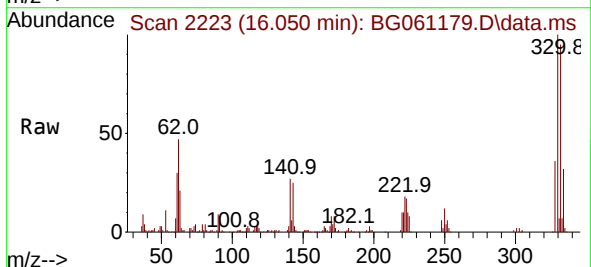
Tgt Ion:248 Resp: 10484

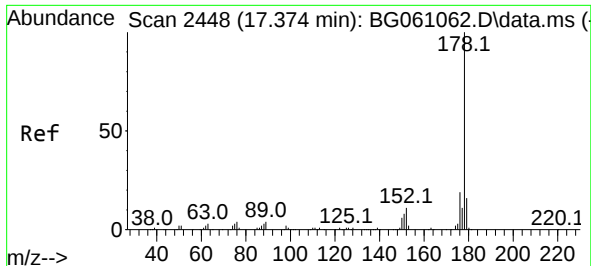
Ion Ratio Lower Upper

248 100

250 184.3 73.0 109.4#

141 421.1 50.8 76.2#

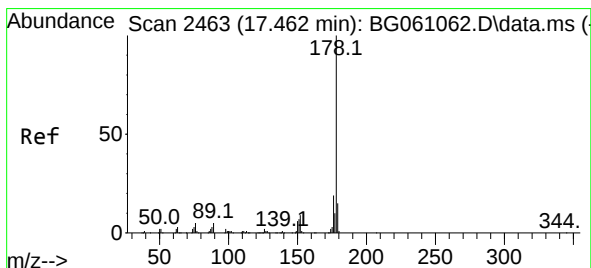
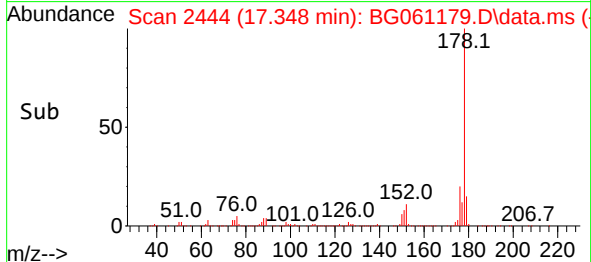
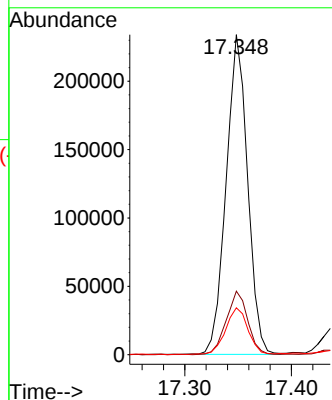
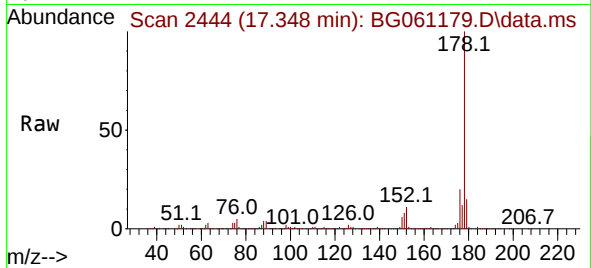




#71
Phenanthrene
Concen: 37.725 ng
RT: 17.348 min Scan# 2444
Delta R.T. -0.026 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

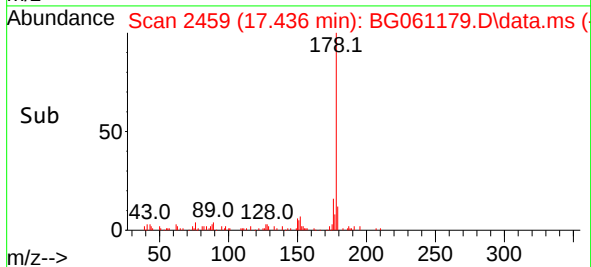
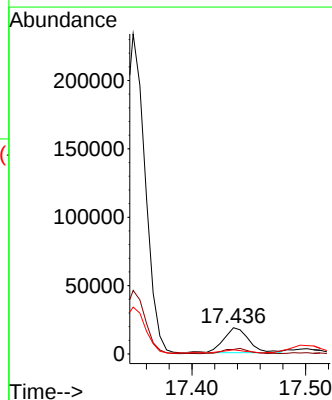
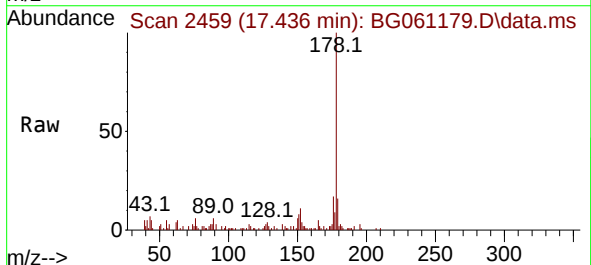
Instrument :
BNA_G
ClientSampleId :
EQ-TANK-CONTAINMENT-PIT

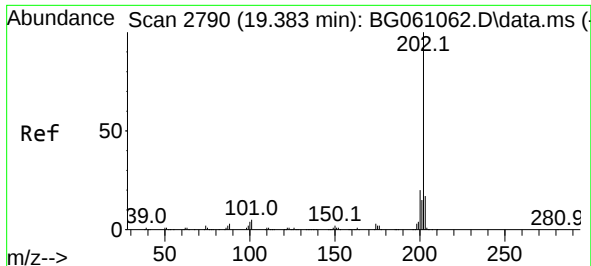
Tgt Ion:178 Resp: 326636
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 14.6 12.6 19.0



#72
Anthracene
Concen: 3.269 ng
RT: 17.436 min Scan# 2459
Delta R.T. -0.026 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

Tgt Ion:178 Resp: 28245
Ion Ratio Lower Upper
178 100
176 16.8 15.0 22.6
179 15.8 12.0 18.0

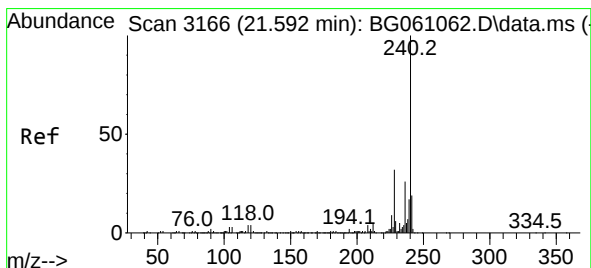
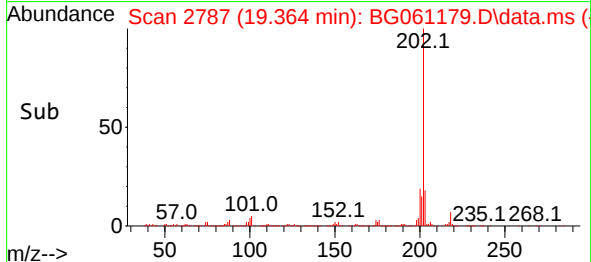
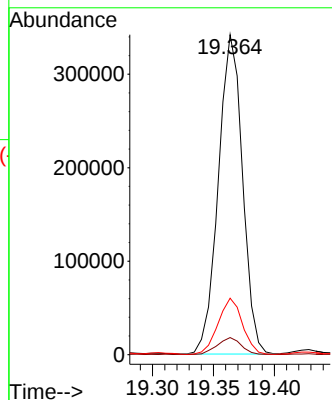
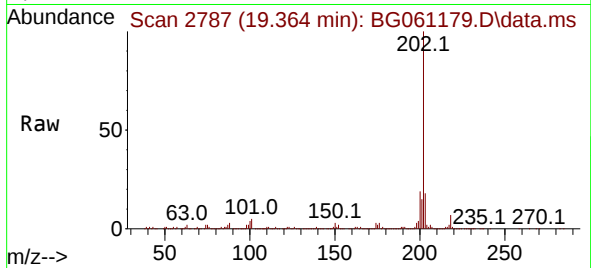




#75
Fluoranthene
Concen: 39.837 ng
RT: 19.364 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

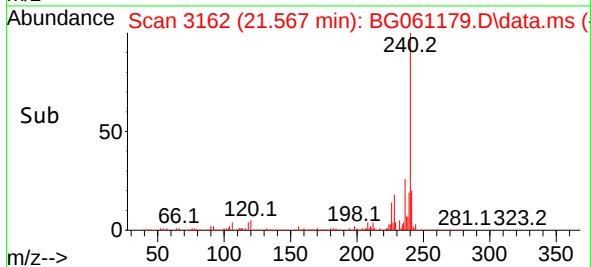
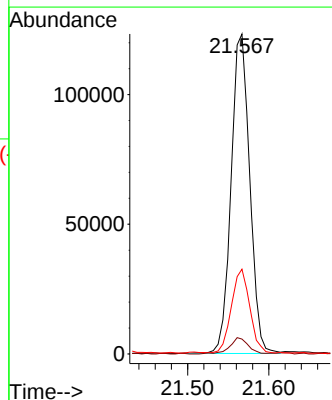
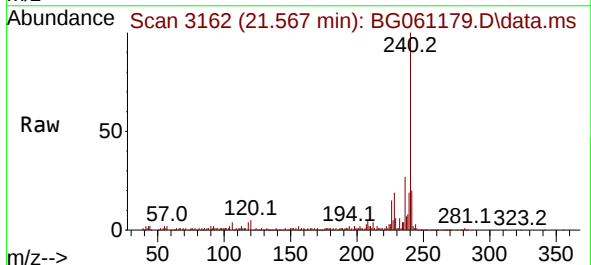
Instrument :
BNA_G
ClientSampleId :
EQ-TANK-CONTAINMENT-PIT

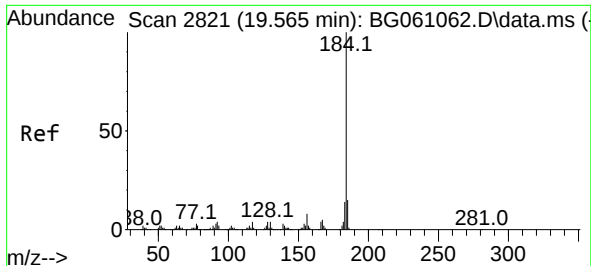
Tgt Ion:202 Resp: 472543
Ion Ratio Lower Upper
202 100
101 5.4 0.0 24.7
203 17.6 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.567 min Scan# 3162
Delta R.T. -0.026 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

Tgt Ion:240 Resp: 195951
Ion Ratio Lower Upper
240 100
120 4.7 3.2 4.8
236 26.5 21.0 31.6

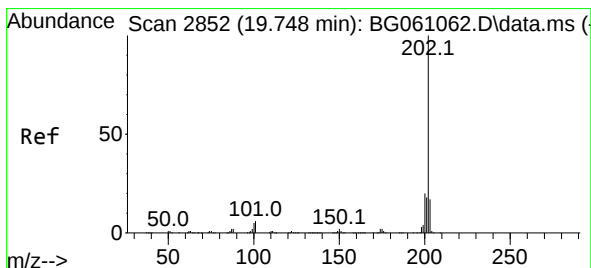
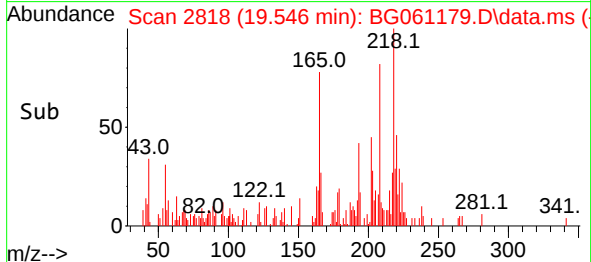
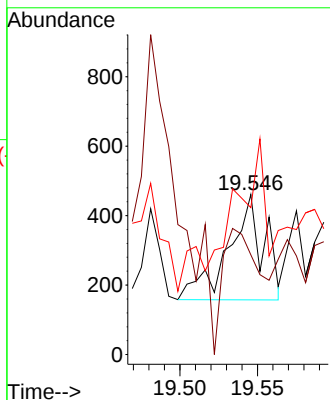
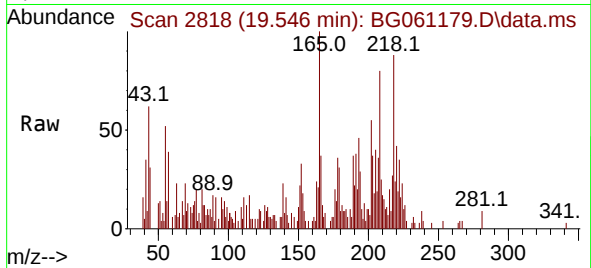




#77
Benzidine
Concen: 2.917 ng
RT: 19.546 min Scan# 21
Delta R.T. -0.019 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

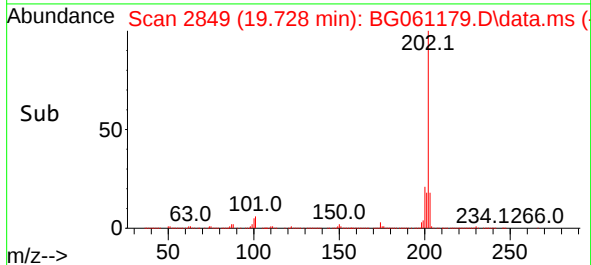
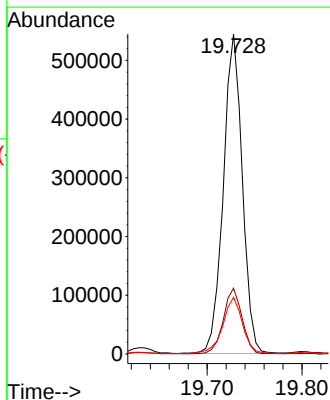
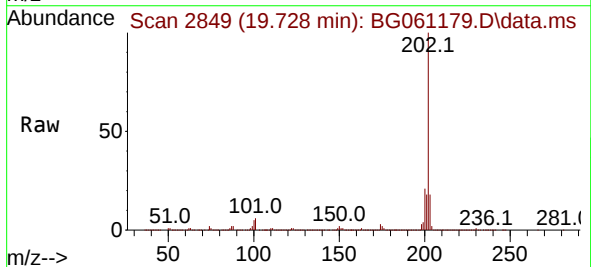
Instrument :
BNA_G
ClientSampleId :
EQ-TANK-CONTAINMENT-PIT

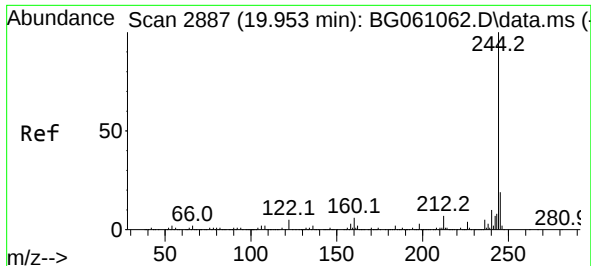
Tgt Ion:184 Resp: 482
Ion Ratio Lower Upper
184 100
185 62.3 12.0 18.0#
183 91.8 10.9 16.3#



#78
Pyrene
Concen: 60.677 ng
RT: 19.728 min Scan# 2849
Delta R.T. -0.020 min
Lab File: BG061179.D
Acq: 13 May 2024 17:27

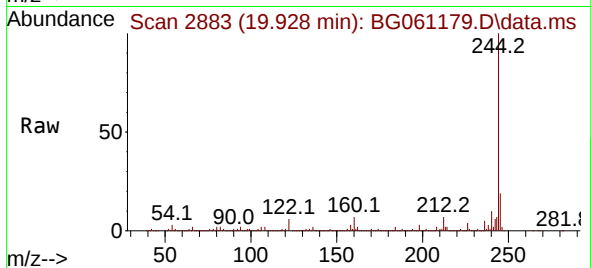
Tgt Ion:202 Resp: 755900
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.4
203 17.7 13.3 19.9



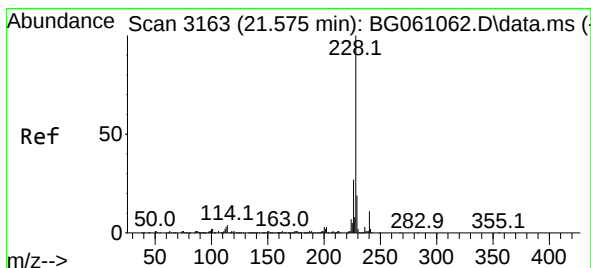
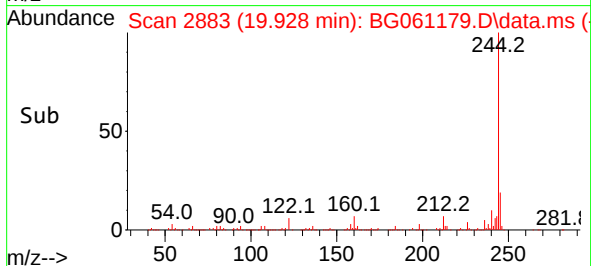
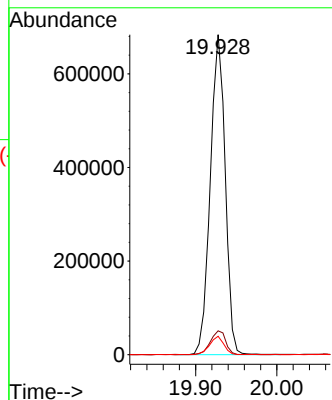


#79
 Terphenyl-d14
 Concen: 73.871 ng
 RT: 19.928 min Scan# 21
 Delta R.T. -0.026 min
 Lab File: BG061179.D
 Acq: 13 May 2024 17:27

Instrument :
 BNA_G
 ClientSampleId :
 EQ-TANK-CONTAINMENT-PIT

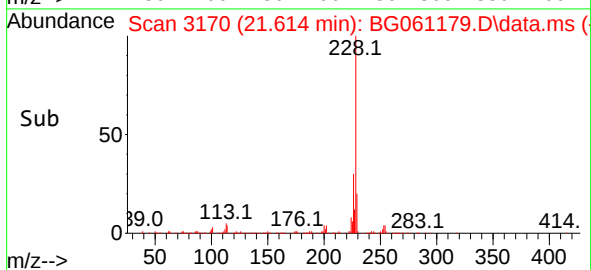
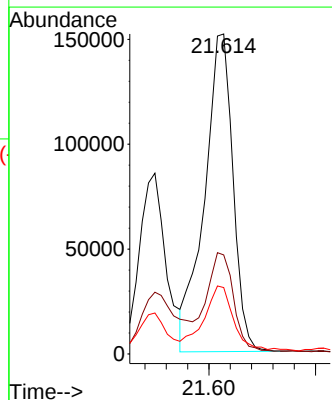
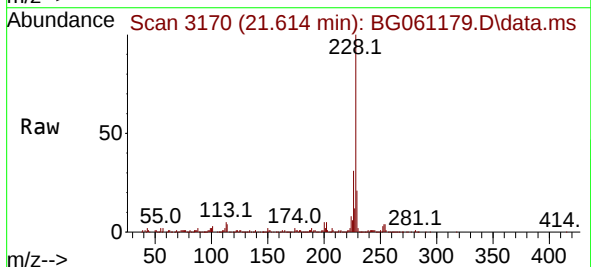


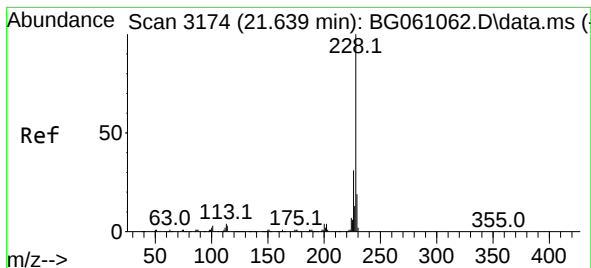
Tgt Ion:244 Resp: 870347
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 5.7 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 21.932 ng
 RT: 21.614 min Scan# 3170
 Delta R.T. 0.039 min
 Lab File: BG061179.D
 Acq: 13 May 2024 17:27

Tgt Ion:228 Resp: 281220
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.6 32.4
 229 20.7 15.0 22.4





#83

Chrysene

Concen: 23.409 ng

RT: 21.614 min Scan# 31

Delta R.T. -0.026 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

Instrument :

BNA_G

ClientSampleId :

EQ-TANK-CONTAINMENT-PIT

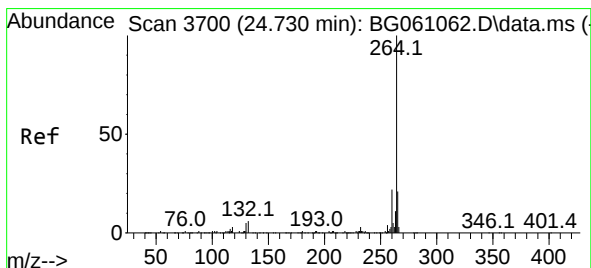
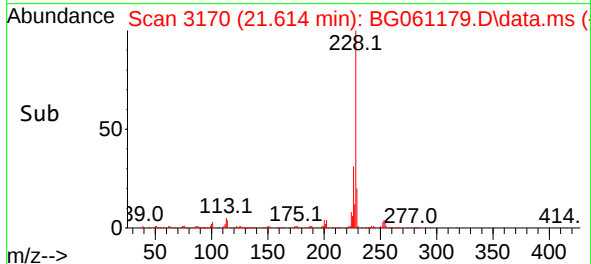
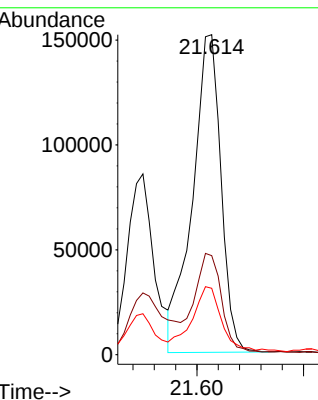
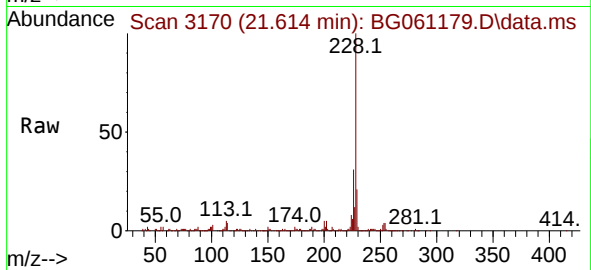
Tgt Ion:228 Resp: 281220

Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

229 20.7 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.687 min Scan# 3693

Delta R.T. -0.043 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

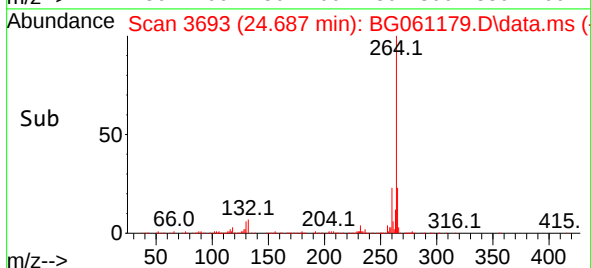
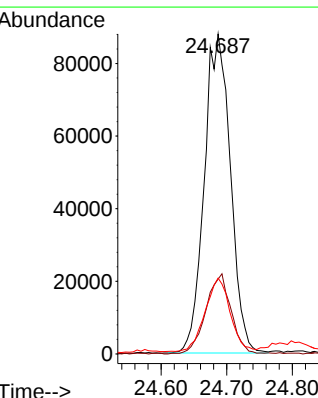
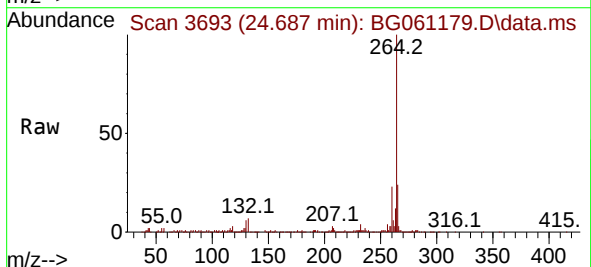
Tgt Ion:264 Resp: 243435

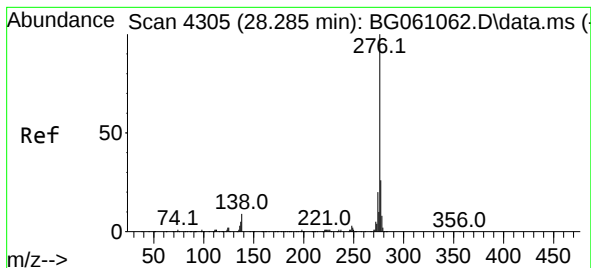
Ion Ratio Lower Upper

264 100

260 23.4 17.7 26.5

265 23.7 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.830 ng

RT: 28.212 min Scan# 41

Delta R.T. -0.073 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

Instrument :

BNA_G

ClientSampleId :

EQ-TANK-CONTAINMENT-PIT

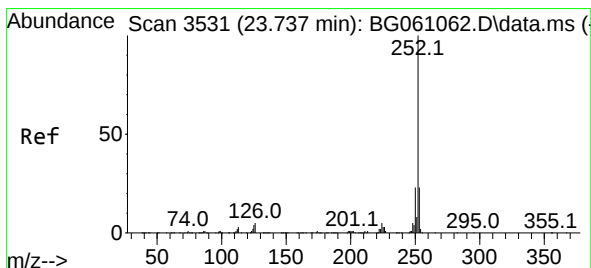
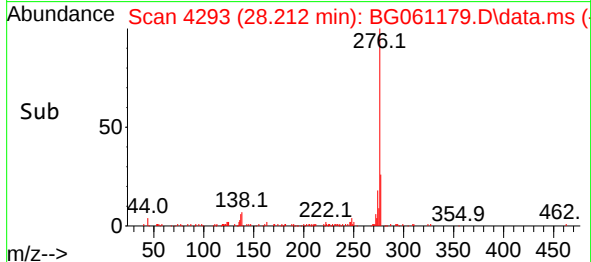
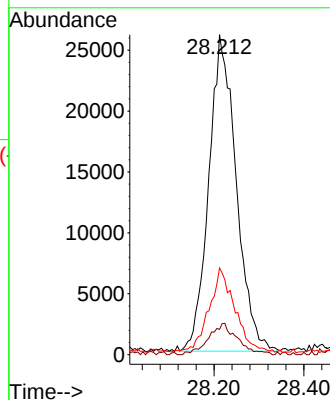
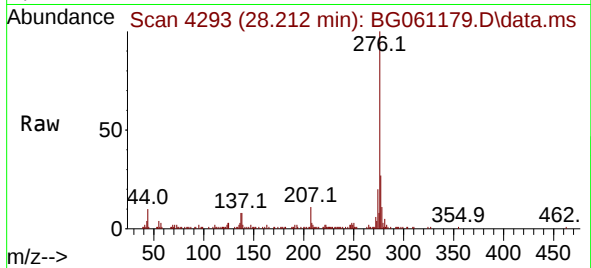
Tgt Ion:276 Resp: 110193

Ion Ratio Lower Upper

276 100

138 10.4 5.1 7.7#

277 25.5 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 4.005 ng

RT: 23.952 min Scan# 3568

Delta R.T. 0.215 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

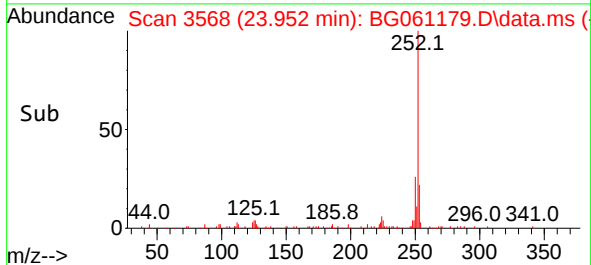
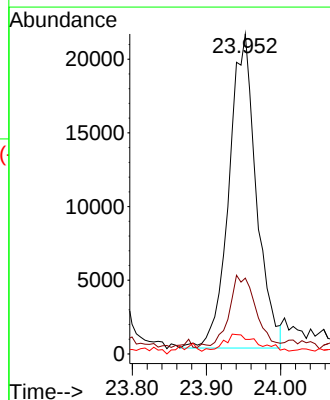
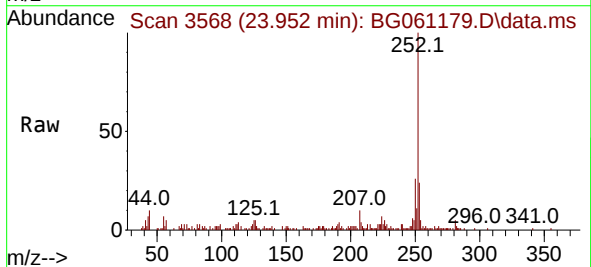
Tgt Ion:252 Resp: 54485

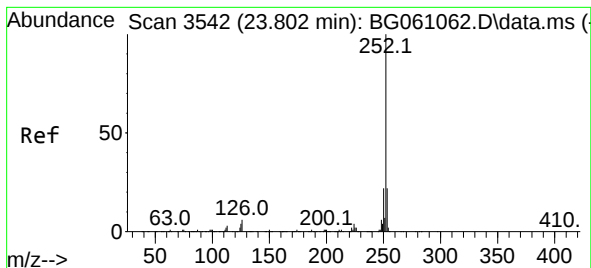
Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

125 4.6 3.4 5.0





#89

Benzo(k)fluoranthene

Concen: 4.163 ng

RT: 23.952 min Scan# 3

Delta R.T. 0.151 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

Instrument :

BNA_G

ClientSampleId :

EQ-TANK-CONTAINMENT-PIT

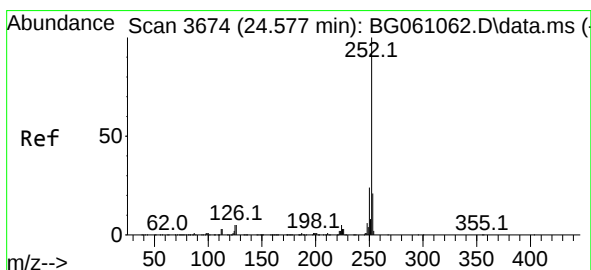
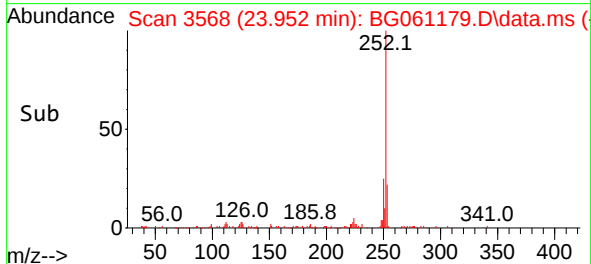
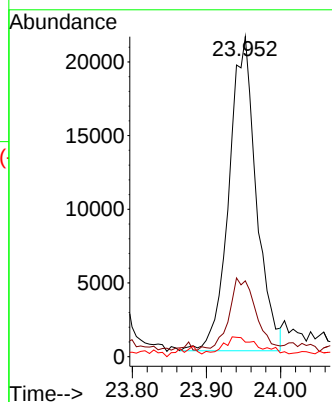
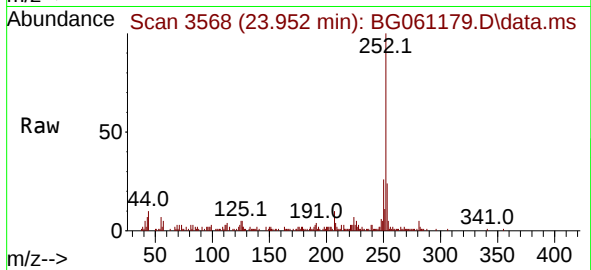
Tgt Ion:252 Resp: 54485

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 4.6 3.2 4.8



#90

Benzo(a)pyrene

Concen: 13.960 ng

RT: 24.540 min Scan# 3668

Delta R.T. -0.037 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

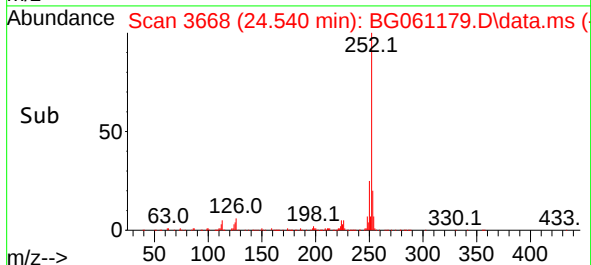
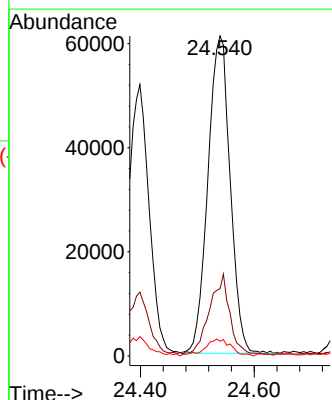
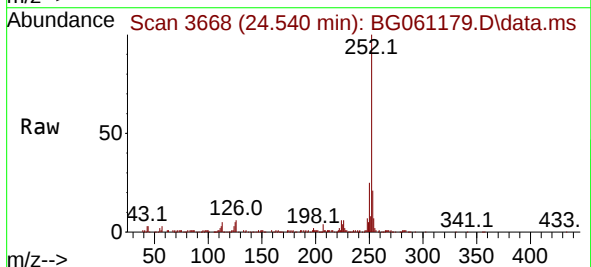
Tgt Ion:252 Resp: 165447

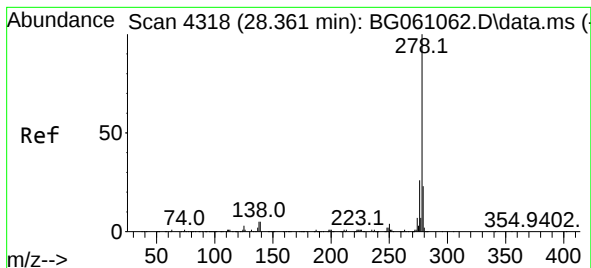
Ion Ratio Lower Upper

252 100

253 21.0 16.9 25.3

125 4.6 3.8 5.8





#91

Dibenzo(a,h)anthracene

Concen: 2.025 ng

RT: 28.259 min Scan# 41

Delta R.T. -0.102 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

Instrument :

BNA_G

ClientSampleId :

EQ-TANK-CONTAINMENT-PIT

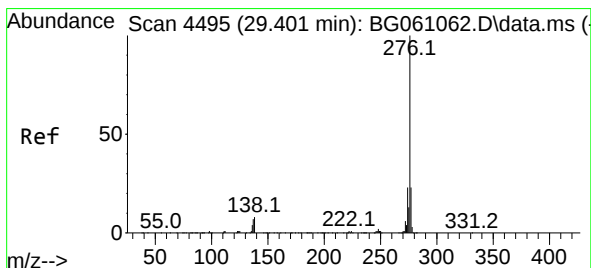
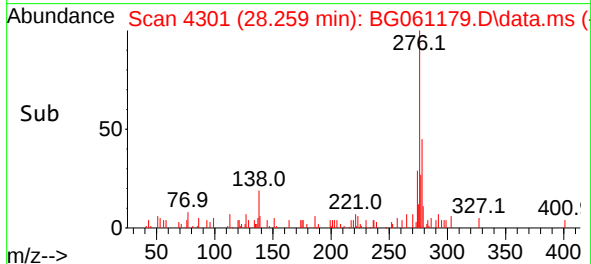
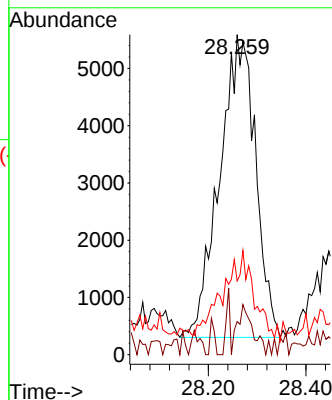
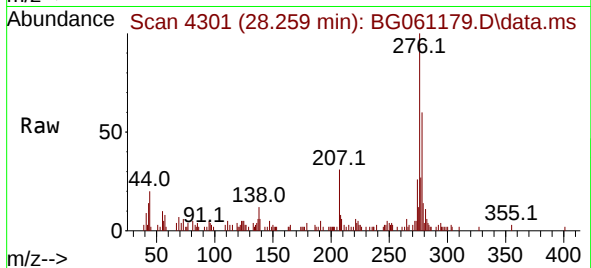
Tgt Ion:278 Resp: 27052

Ion Ratio Lower Upper

278 100

139 10.4 4.2 6.2#

279 23.1 18.0 27.0



#92

Benzo(g,h,i)perylene

Concen: 9.207 ng

RT: 29.322 min Scan# 4482

Delta R.T. -0.078 min

Lab File: BG061179.D

Acq: 13 May 2024 17:27

Tgt Ion:276 Resp: 122240

Ion Ratio Lower Upper

276 100

277 21.1 18.2 27.4

138 9.4 6.2 9.2#

