

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042823\
 Data File : BG057241.D
 Acq On : 29 Apr 2023 7:54
 Operator : CG/JU
 Sample : 02417-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW8W8

Quant Time: May 01 00:29:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 28 23:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.378	152	14344	20.000	ng/ul	0.00
20) Naphthalene-d8	11.215	136	58362	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.986	164	47740	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.730	188	112905	20.000	ng/ul	0.00
79) Chrysene-d12	22.036	240	101238	20.000	ng/ul	0.00
88) Perylene-d12	25.543	264	107018	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.655	96	575	1.764	ng/uL	0.00
4) Pyridine-d5	4.119	84	1050	1.022	ng/ul	0.02
7) Phenol-d5	7.514	99	16887	12.449	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	10358	12.982	ng/ul	0.00
11) 2-Chlorophenol-d4	7.902	132	12122	13.560	ng/ul	0.00
15) 4-Methylphenol-d8	9.077	113	12579	12.201	ng/ul	0.00
21) Nitrobenzene-d5	9.553	128	6766	14.558	ng/ul	0.00
24) 2-Nitrophenol-d4	10.281	143	7846	14.465	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.827	165	15059	14.390	ng/ul	0.00
31) 4-Chloroaniline-d4	11.344	131	7204	5.194	ng/ul	0.00
46) Dimethylphthalate-d6	14.370	166	55044	14.551	ng/ul	0.00
49) Acenaphthylene-d8	14.687	160	61856	14.549	ng/ul	0.00
54) 4-Nitrophenol-d4	15.180	143	5742	10.428	ng/ul	0.01
60) Fluorene-d10	15.973	176	51266	14.548	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.085	200	8429	12.600	ng/ul	0.00
73) Anthracene-d10	17.824	188	80746	15.668	ng/ul	0.00
81) Pyrene-d10	20.091	212	99190	16.507	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.302	264	89810	16.472	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.555	94	25519	18.665	ng/ul	96
16) Acetophenone	9.194	105	7274	4.100	ng/ul#	70
19) Hexachloroethane	9.488	117	1277	3.251	ng/ul#	1
26) 2,4-Dimethylphenol	10.369	107	2642	2.120	ng/ul#	66
30) Naphthalene	11.268	128	26948	8.410	ng/ul	99
32) 4-Chloroaniline	11.268	127	3787	2.620	ng/ul#	15
36) 2-Methylnaphthalene	12.836	142	8147	3.467	ng/ul	99
37) 1-Methylnaphthalene	13.060	142	5739	2.429	ng/ul#	87
52) Acenaphthene	15.051	153	9831	3.194	ng/ul	96
56) Dibenzofuran	15.380	168	11256	2.532	ng/ul	94
61) Fluorene	16.026	166	12387	3.295	ng/ul	96
72) Phenanthrene	17.771	178	201511	34.273	ng/ul	99
74) Anthracene	17.859	178	47345	8.016	ng/ul	98
77) Carbazole	18.123	167	21432	4.342	ng/ul	98
80) Fluoranthene	19.762	202	311361	43.619	ng/ul	96
82) Pyrene	20.121	202	269164	37.248	ng/ul#	97
85) Benzo(a)anthracene	22.012	228	143091	19.985	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.860	149	8228	2.445	ng/ul	92
87) Chrysene	22.089	228	130125	19.263	ng/ul	96
90) Benzo(b)fluoranthene	24.427	252	175191	23.640	ng/ul	96
91) Benzo(k)fluoranthene	24.427	252	175191	24.299	ng/ul	98
93) Benzo(a)pyrene	25.226	252	80116	12.522	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	29.590	276	52066	6.510	ng/ul#	97
95) Dibenzo(a,h)anthracene	29.625	278	22753	3.431	ng/ul#	85

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QLast Update : Fri Apr 28 23:37:02 2023
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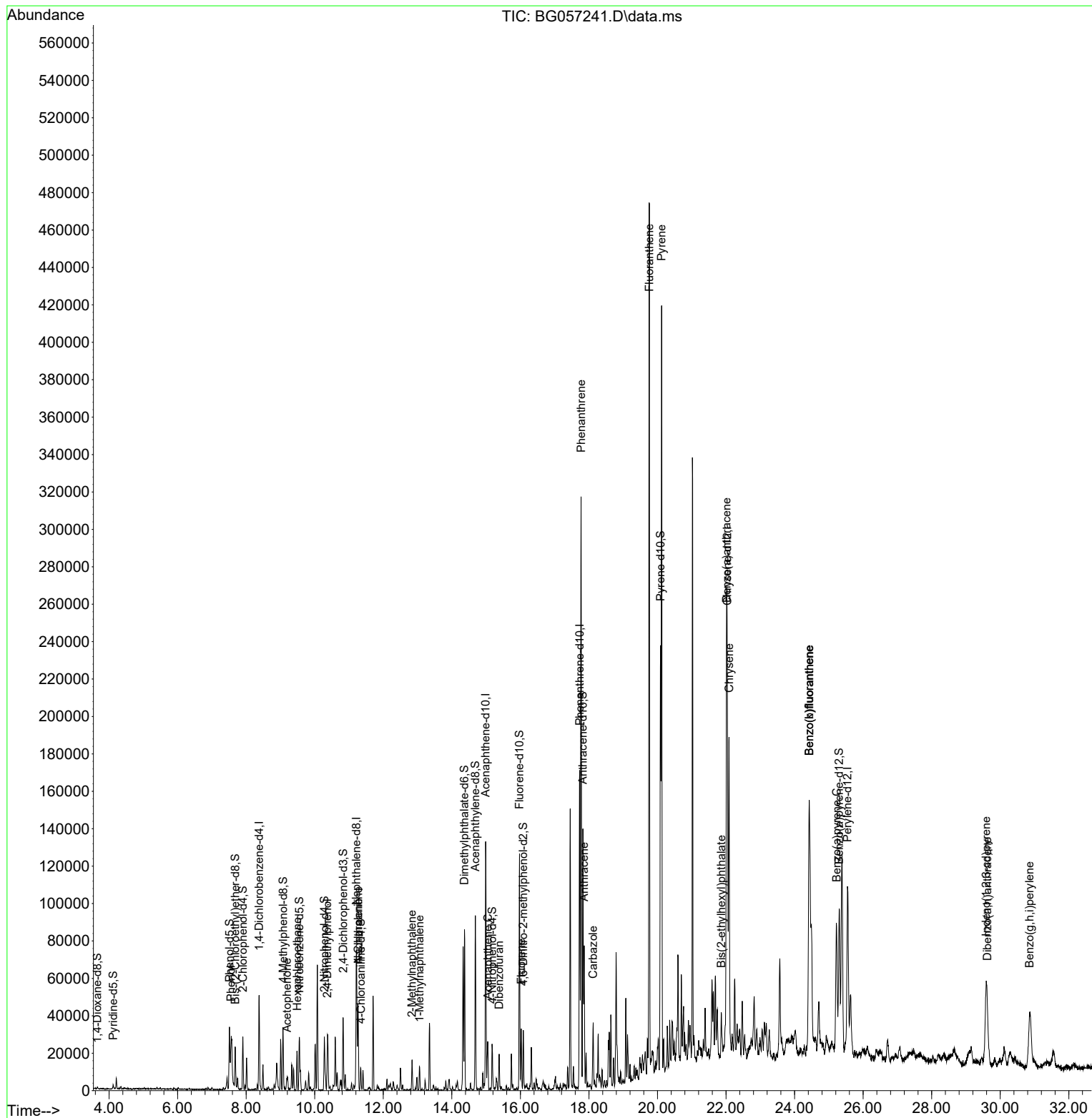
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	30.853	276	32445	5.013	ng/ul	97

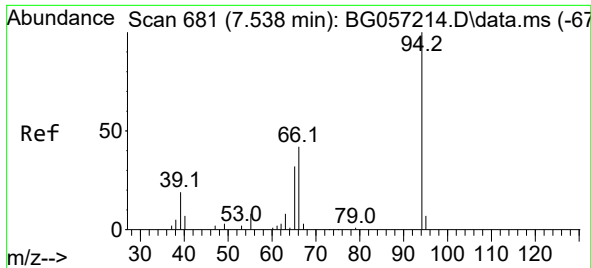
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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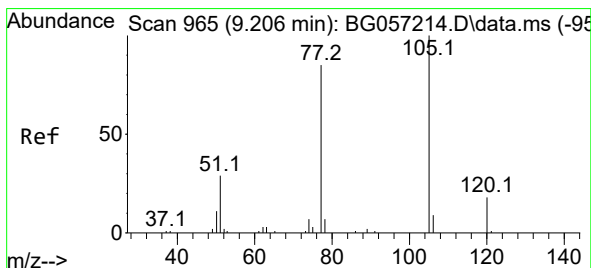
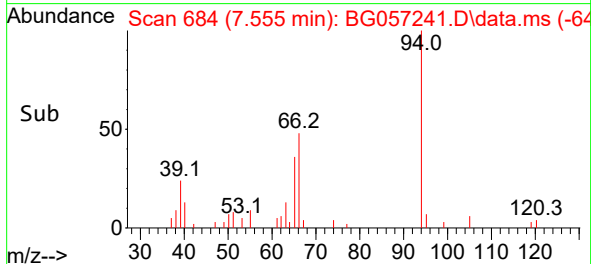
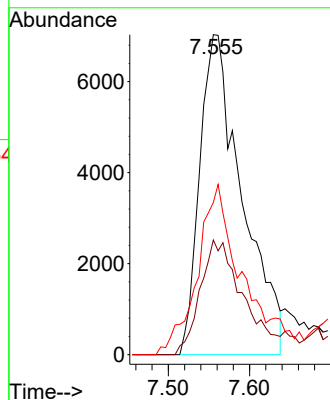
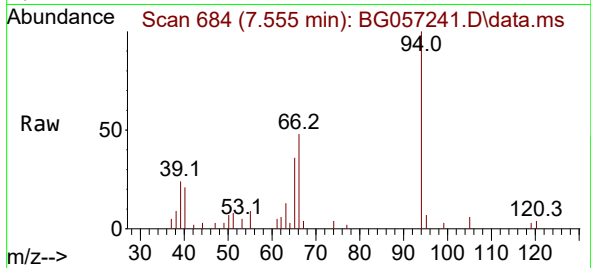




#8
Phenol
Concen: 18.665 ng/ul
RT: 7.555 min Scan# 681
Delta R.T. 0.018 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

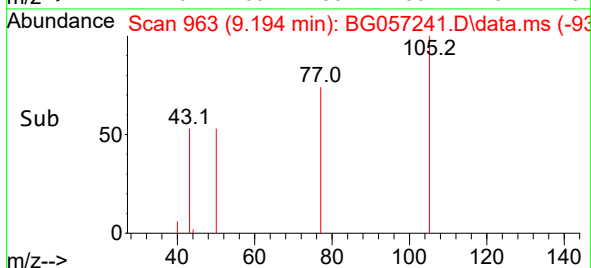
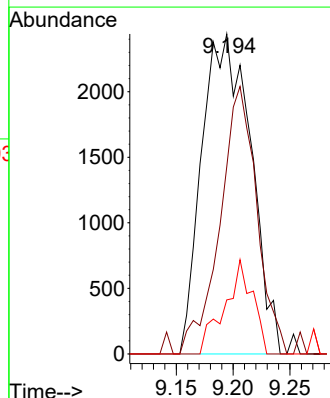
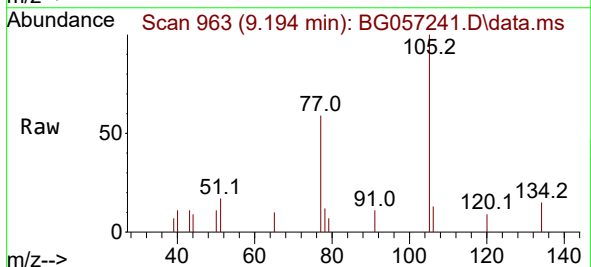
Instrument :
BNA_G
ClientSampleId :
EW8W8

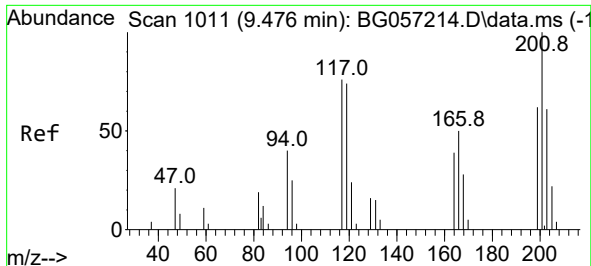
Tgt Ion: 94 Resp: 25519
Ion Ratio Lower Upper
94 100
65 35.8 25.5 38.3
66 47.5 36.9 55.3



#16
Acetophenone
Concen: 4.100 ng/ul
RT: 9.194 min Scan# 963
Delta R.T. -0.012 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Tgt Ion: 105 Resp: 7274
Ion Ratio Lower Upper
105 100
77 58.5 70.6 105.8#
51 16.9 24.5 36.7#

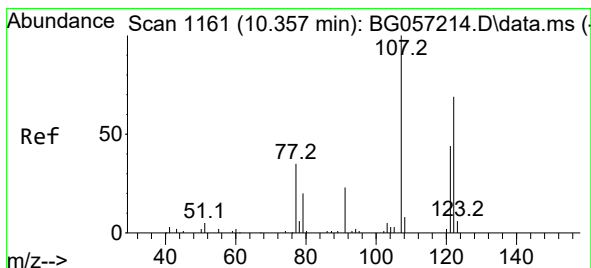
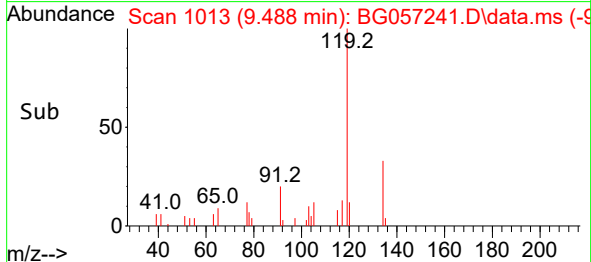
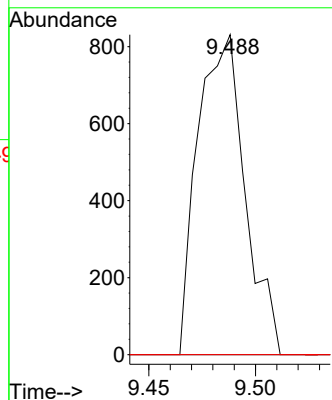
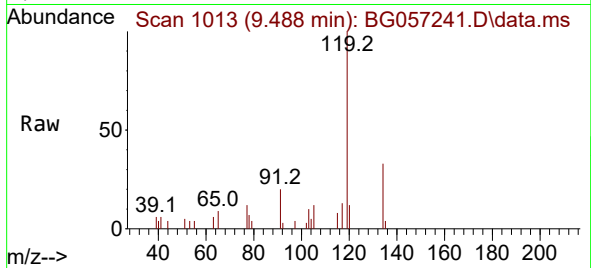




#19
Hexachloroethane
Concen: 3.251 ng/ul
RT: 9.488 min Scan# 1011
Delta R.T. 0.012 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

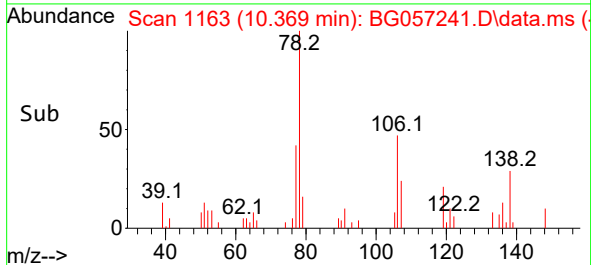
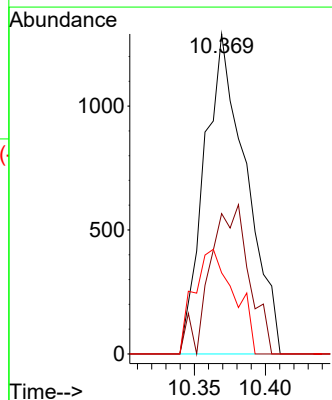
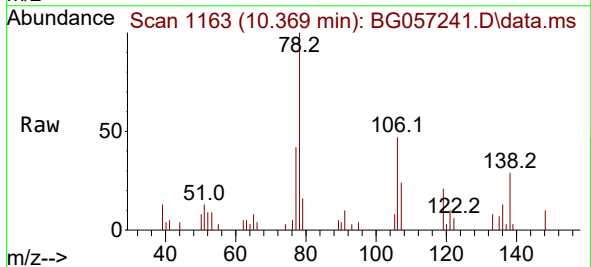
Instrument :
BNA_G
ClientSampleId :
EW8W8

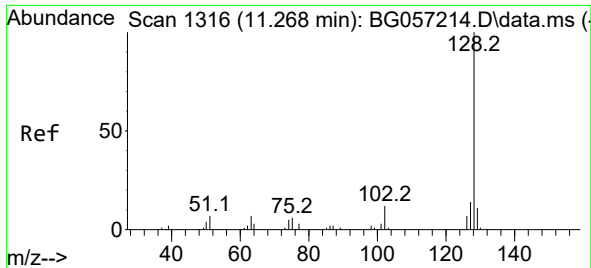
Tgt Ion:117 Resp: 1277
Ion Ratio Lower Upper
117 100
201 0.0 109.4 164.2#
199 0.0 65.4 98.2#



#26
2,4-Dimethylphenol
Concen: 2.120 ng/ul
RT: 10.369 min Scan# 1163
Delta R.T. 0.012 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Tgt Ion:107 Resp: 2642
Ion Ratio Lower Upper
107 100
121 43.8 35.4 53.0
122 25.3 57.0 85.4#

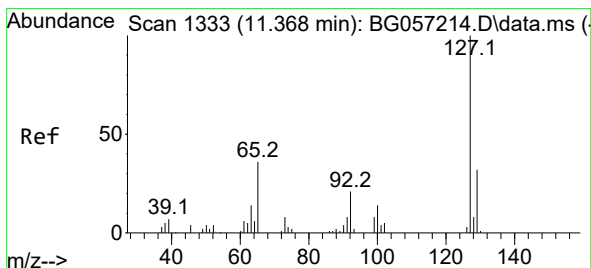
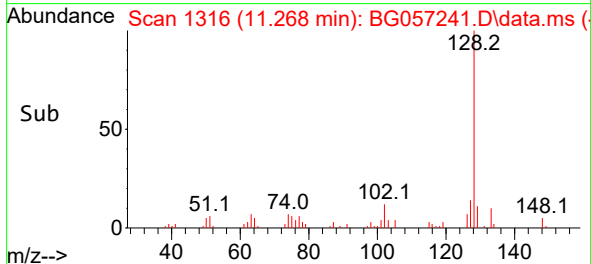
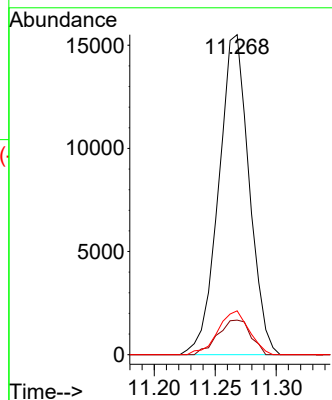
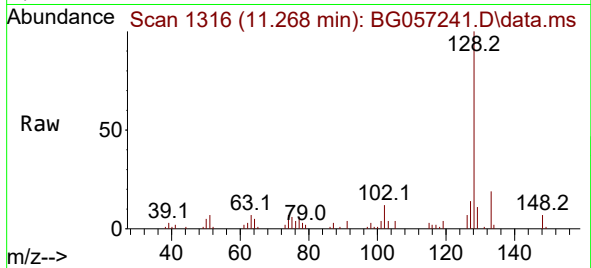




#30
Naphthalene
Concen: 8.410 ng/ul
RT: 11.268 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

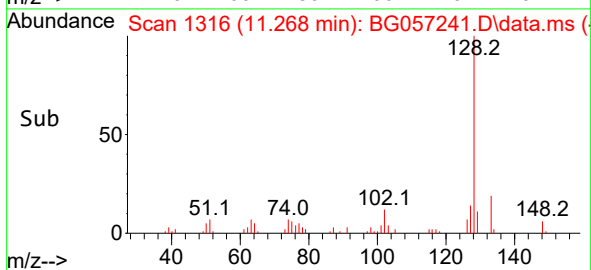
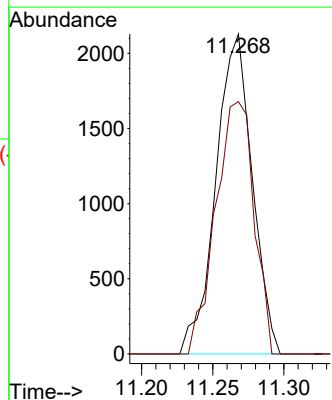
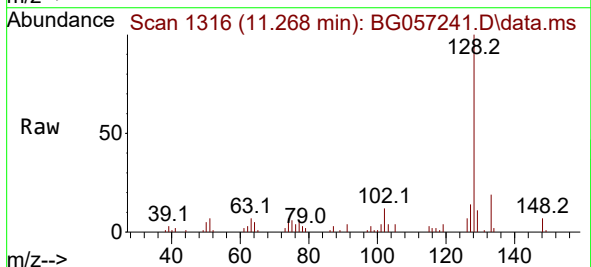
Instrument :
BNA_G
ClientSampleId :
EW8W8

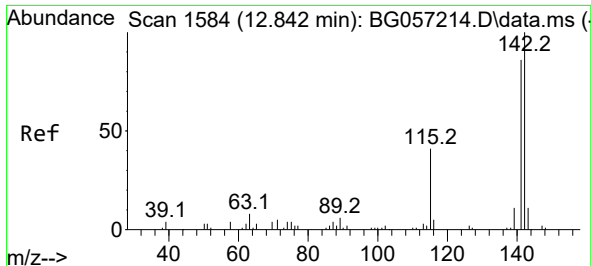
Tgt Ion:128 Resp: 26948
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.7 11.4 17.0



#32
4-Chloroaniline
Concen: 2.620 ng/ul
RT: 11.268 min Scan# 1316
Delta R.T. -0.100 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Tgt Ion:127 Resp: 3787
Ion Ratio Lower Upper
127 100
129 78.9 25.4 38.0#

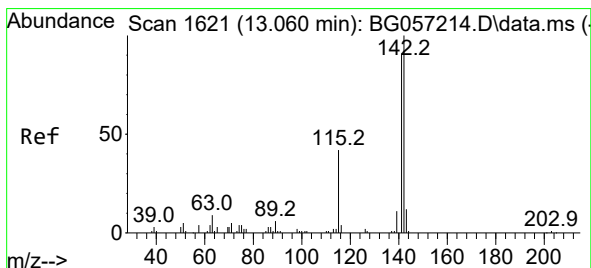
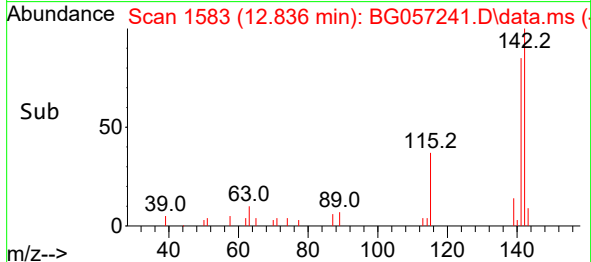
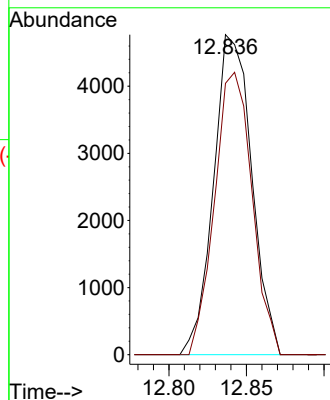
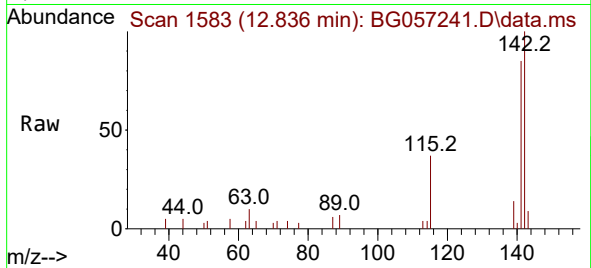




#36
2-Methylnaphthalene
Concen: 3.467 ng/ul
RT: 12.836 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

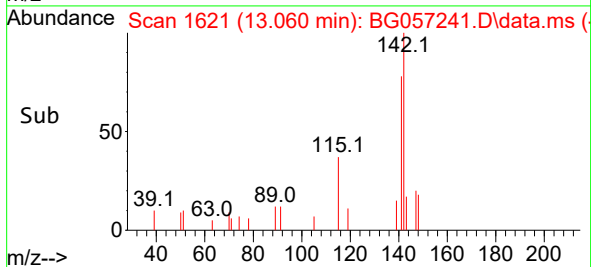
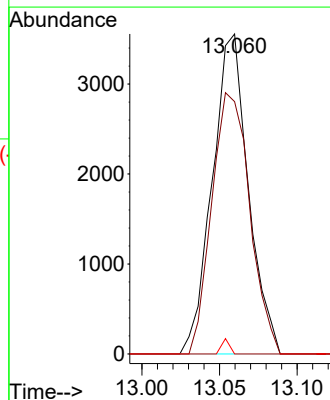
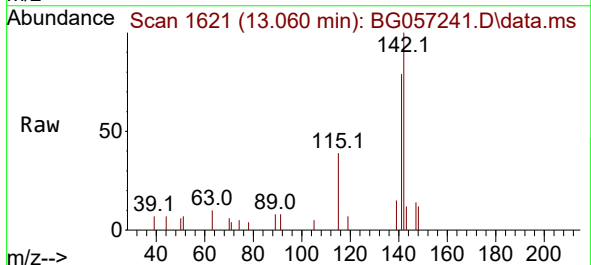
Instrument :
BNA_G
ClientSampleId :
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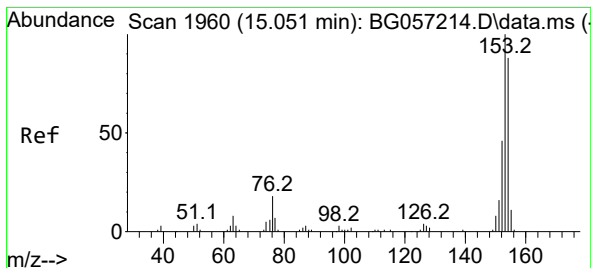
Tgt Ion:142 Resp: 8147
Ion Ratio Lower Upper
142 100
141 84.8 68.7 103.1



#37
1-Methylnaphthalene
Concen: 2.429 ng/ul
RT: 13.060 min Scan# 1621
Delta R.T. 0.000 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Tgt Ion:142 Resp: 5739
Ion Ratio Lower Upper
142 100
141 78.8 72.9 109.3
116 0.0 3.2 4.8#





#52

Acenaphthene

Concen: 3.194 ng/ul

RT: 15.051 min Scan# 1960

Delta R.T. 0.000 min

Lab File: BG057241.D

Acq: 29 Apr 2023 7:54

Instrument :

BNA_G

ClientSampleId :

EW8W8

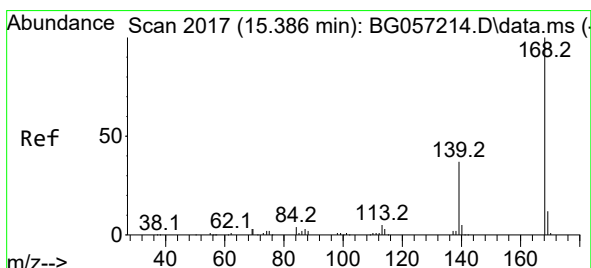
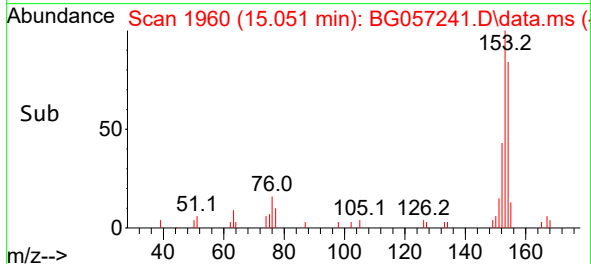
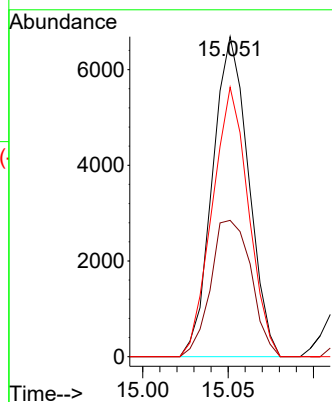
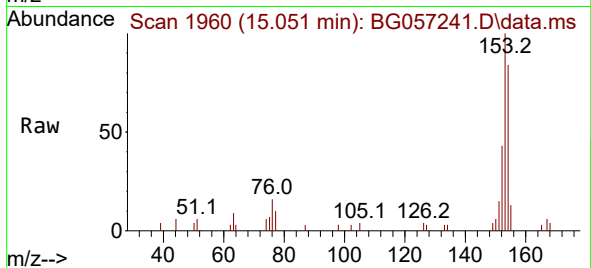
Tgt Ion:153 Resp: 9831

Ion Ratio Lower Upper

153 100

152 42.6 36.5 54.7

154 84.2 70.6 106.0



#56

Dibenzofuran

Concen: 2.532 ng/ul

RT: 15.380 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BG057241.D

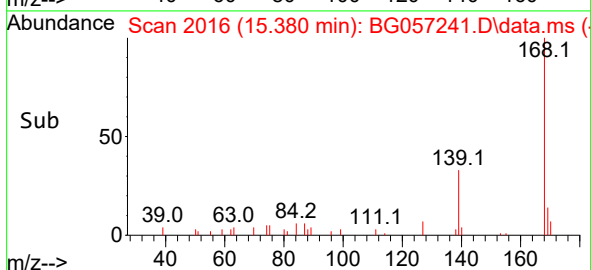
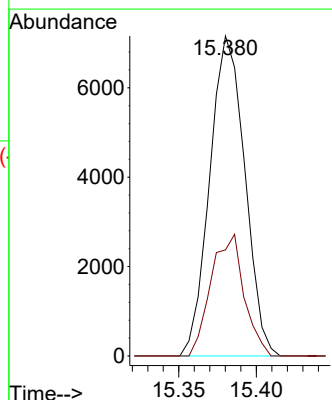
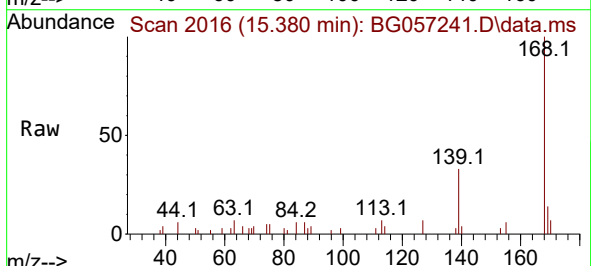
Acq: 29 Apr 2023 7:54

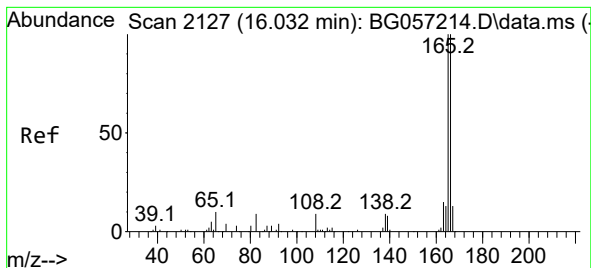
Tgt Ion:168 Resp: 11256

Ion Ratio Lower Upper

168 100

139 33.1 29.6 44.4





#61

Fluorene

Concen: 3.295 ng/ul

RT: 16.026 min Scan# 2127

Delta R.T. -0.006 min

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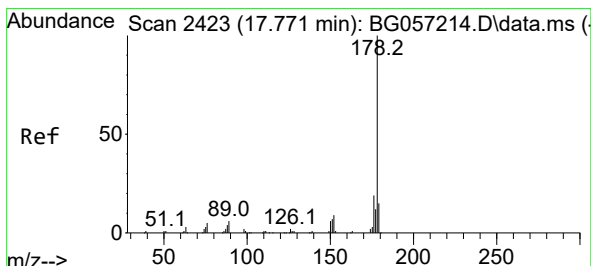
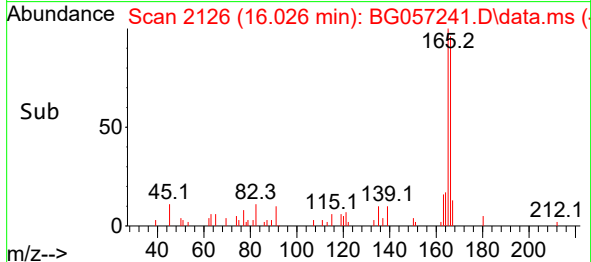
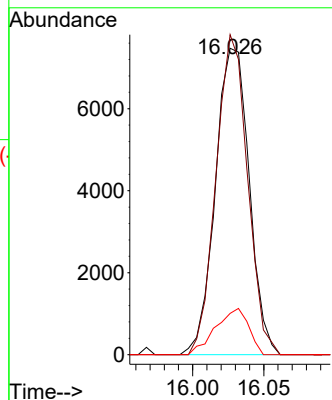
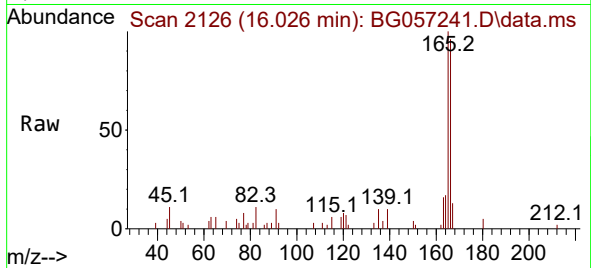
Tgt Ion:166 Resp: 12387

Ion Ratio Lower Upper

166 100

165 104.4 80.1 120.1

167 13.5 10.2 15.4



#72

Phenanthrene

Concen: 34.273 ng/ul

RT: 17.771 min Scan# 2423

Delta R.T. 0.000 min

Lab File: BG057241.D

Acq: 29 Apr 2023 7:54

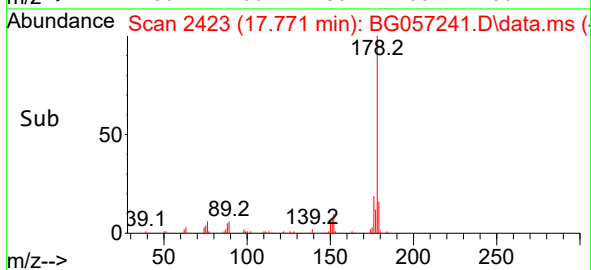
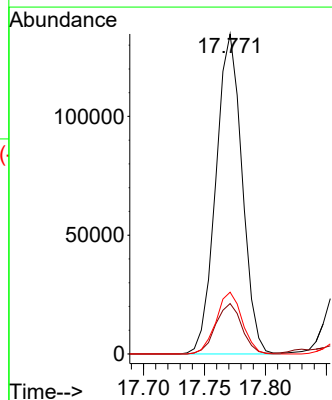
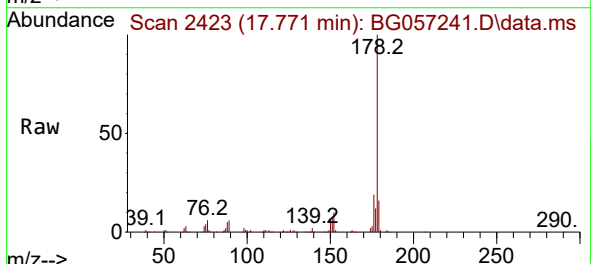
Tgt Ion:178 Resp: 201511

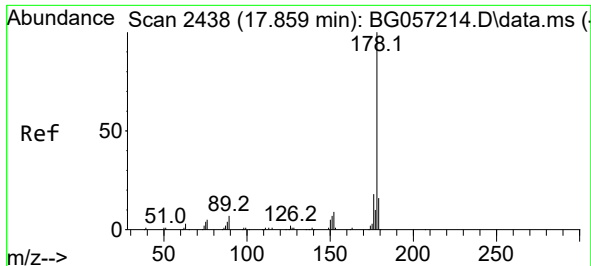
Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.8

176 19.3 15.4 23.0

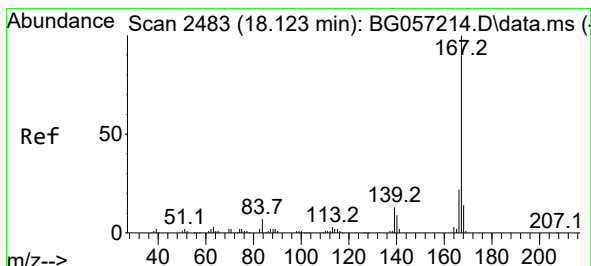
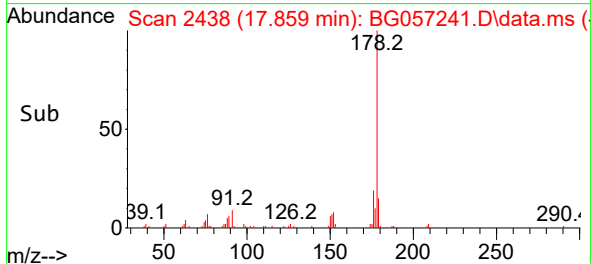
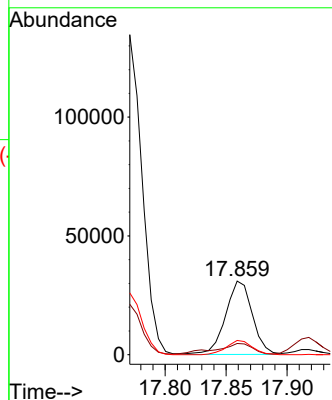
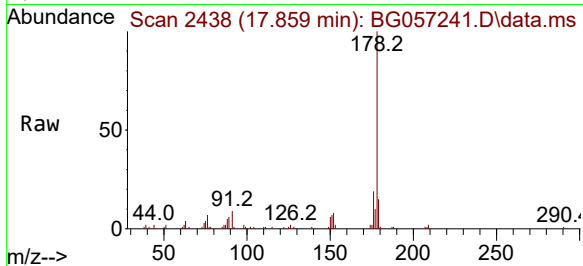




#74
 Anthracene
 Concen: 8.016 ng/ul
 RT: 17.859 min Scan# 2438
 Delta R.T. 0.000 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54

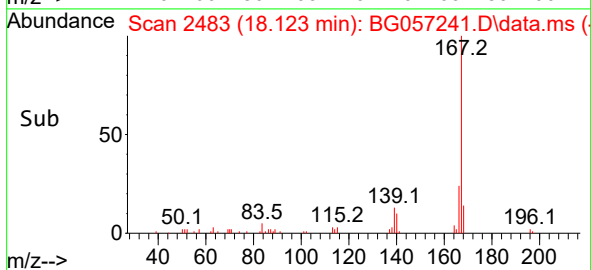
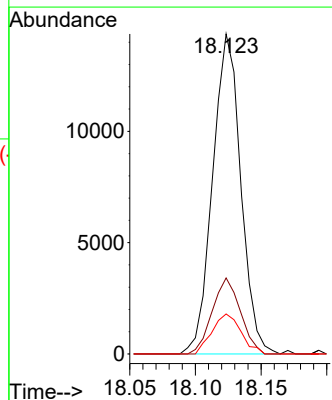
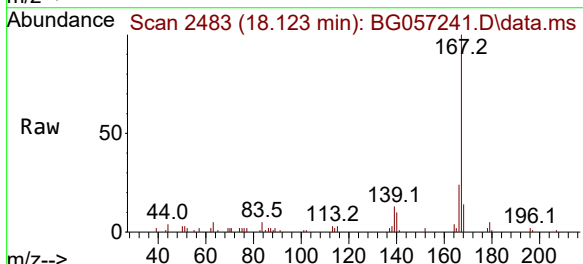
Instrument :
 BNA_G
 ClientSampleId :
 EW8W8

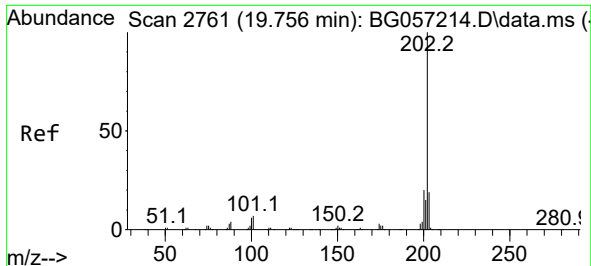
Tgt Ion:178 Resp: 47345
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.5 18.7
 176 19.5 14.7 22.1



#77
 Carbazole
 Concen: 4.342 ng/ul
 RT: 18.123 min Scan# 2483
 Delta R.T. 0.000 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54

Tgt Ion:167 Resp: 21432
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.0 27.0
 139 12.5 10.3 15.5

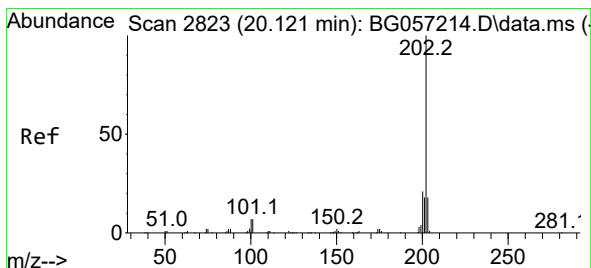
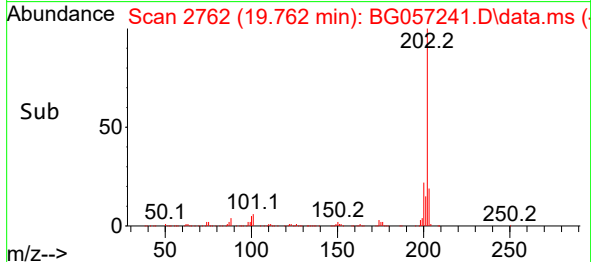
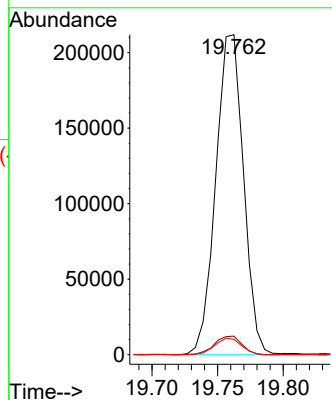
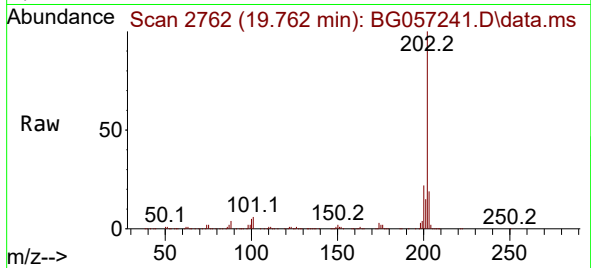




#80
 Fluoranthene
 Concen: 43.619 ng/u1
 RT: 19.762 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54

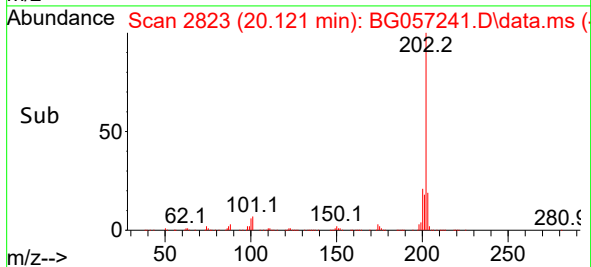
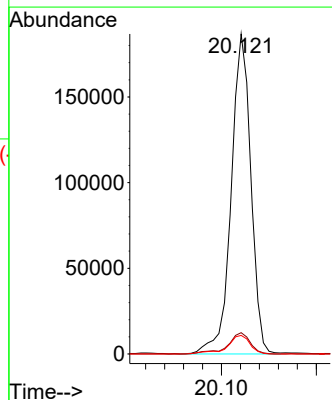
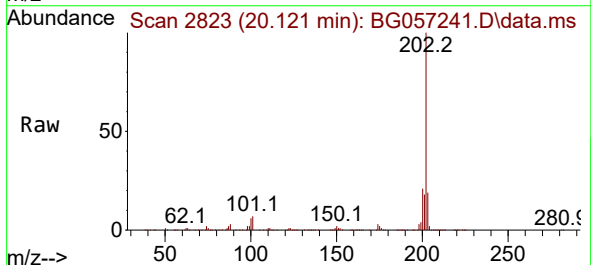
Instrument :
 BNA_G
 ClientSampleId :
 EW8W8

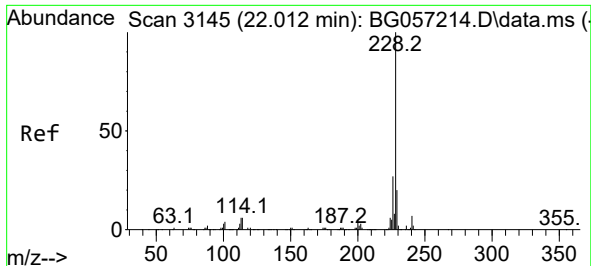
Tgt Ion:202 Resp: 311361
 Ion Ratio Lower Upper
 202 100
 101 5.8 5.8 8.6
 100 4.8 4.6 7.0



#82
 Pyrene
 Concen: 37.248 ng/u1
 RT: 20.121 min Scan# 2823
 Delta R.T. 0.000 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54

Tgt Ion:202 Resp: 269164
 Ion Ratio Lower Upper
 202 100
 101 6.6 5.7 8.5
 100 5.8 6.0 9.0#

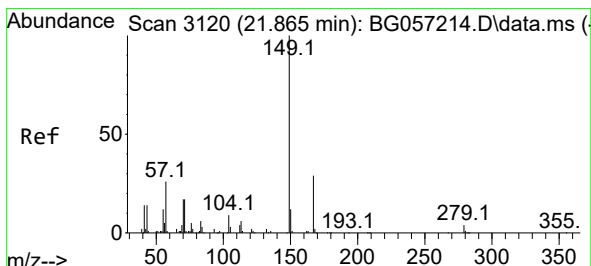
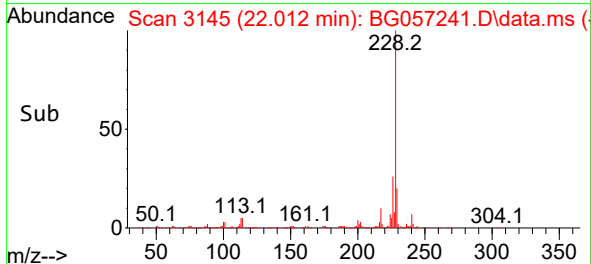
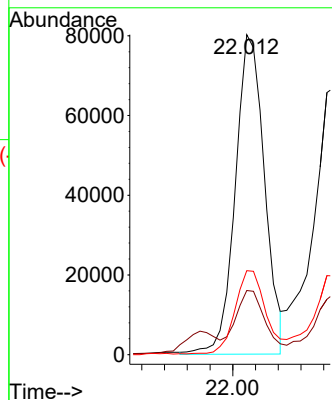
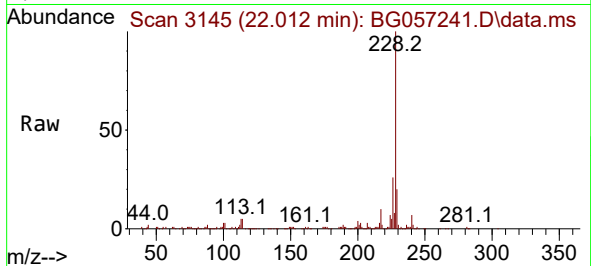




#85
Benzo(a)anthracene
Concen: 19.985 ng/ul
RT: 22.012 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

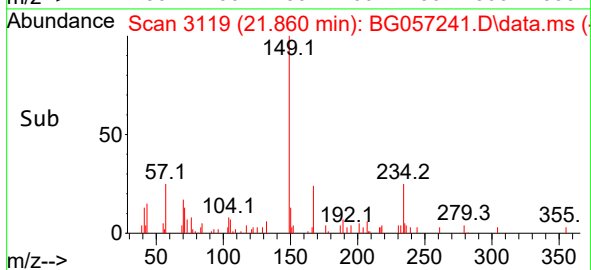
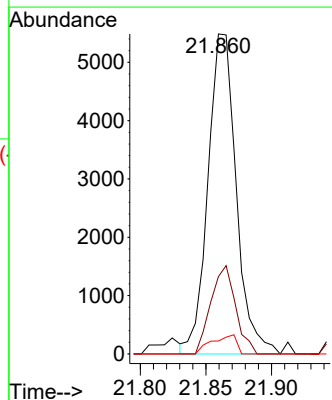
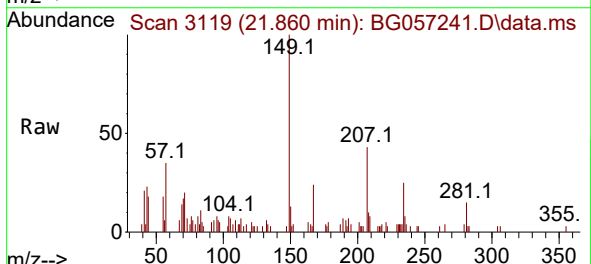
Instrument :
BNA_G
ClientSampleId :
EW8W8

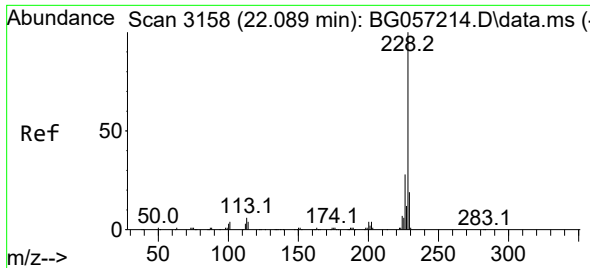
Tgt Ion:228 Resp: 143091
Ion Ratio Lower Upper
228 100
229 20.1 15.8 23.6
226 26.2 21.7 32.5



#86
Bis(2-ethylhexyl)phthalate
Concen: 2.445 ng/ul
RT: 21.860 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Tgt Ion:149 Resp: 8228
Ion Ratio Lower Upper
149 100
167 24.2 23.0 34.6
279 4.0 3.6 5.4

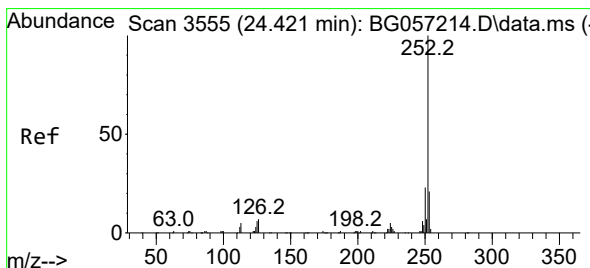
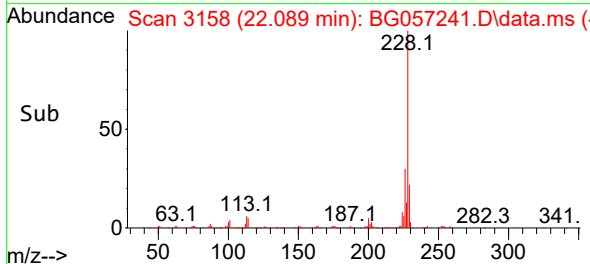
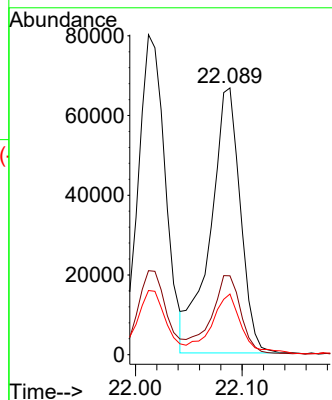
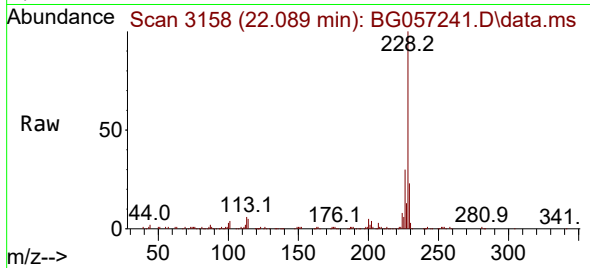




#87
Chrysene
Concen: 19.263 ng/ul
RT: 22.089 min Scan# 3158
Delta R.T. 0.000 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

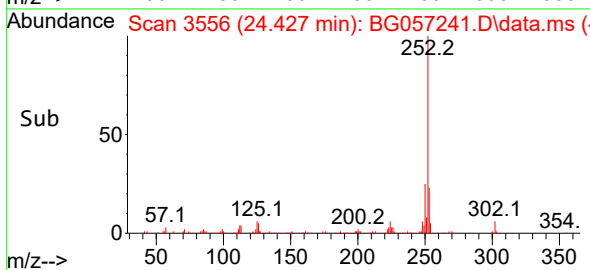
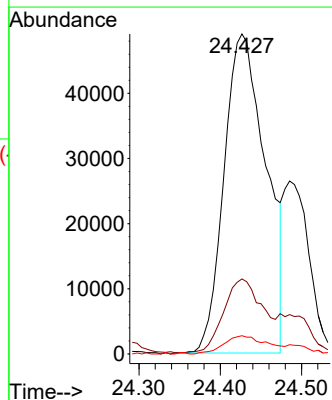
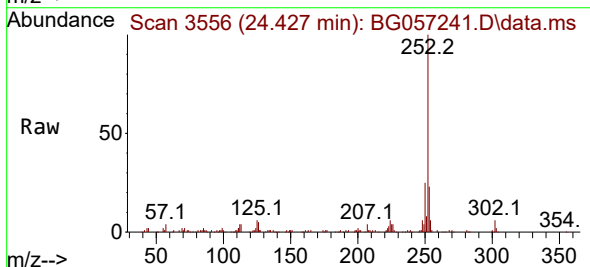
Instrument :
BNA_G
ClientSampleId :
EW8W8

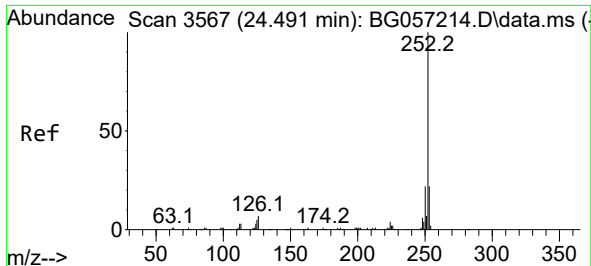
Tgt Ion:228 Resp: 130125
Ion Ratio Lower Upper
228 100
226 29.6 22.8 34.2
229 22.8 15.5 23.3



#90
Benzo(b)fluoranthene
Concen: 23.640 ng/ul
RT: 24.427 min Scan# 3556
Delta R.T. 0.006 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Tgt Ion:252 Resp: 175191
Ion Ratio Lower Upper
252 100
253 23.5 16.7 25.1
125 5.7 4.8 7.2

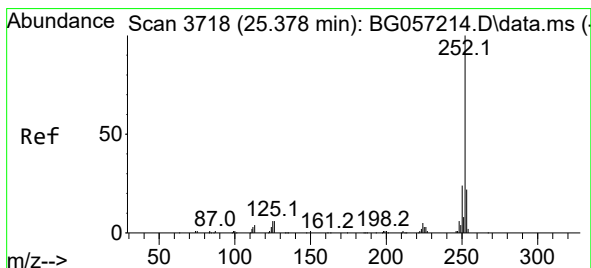
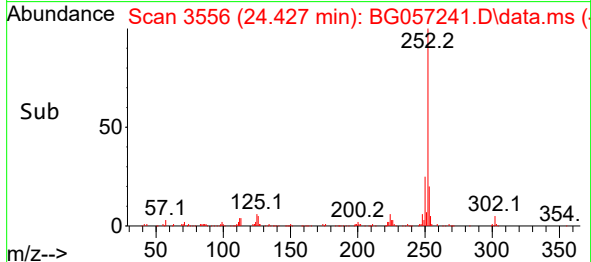
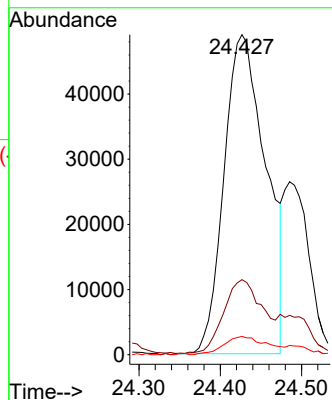
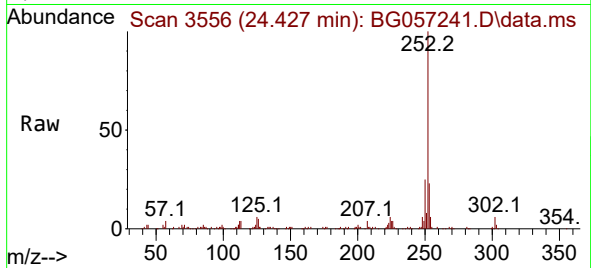




#91
Benzo(k)fluoranthene
Concen: 24.299 ng/ul
RT: 24.427 min Scan# 31
Delta R.T. -0.065 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

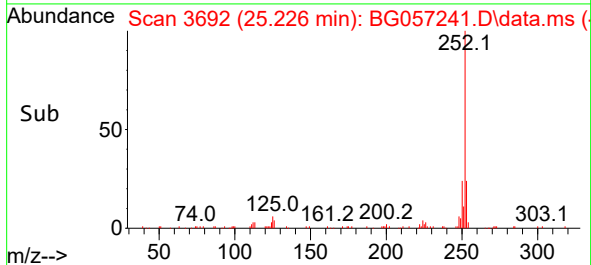
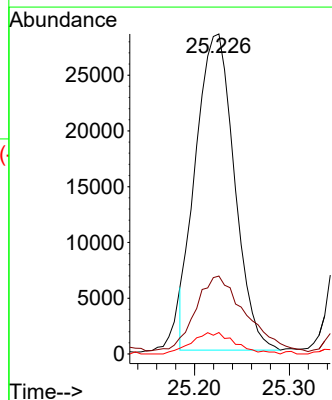
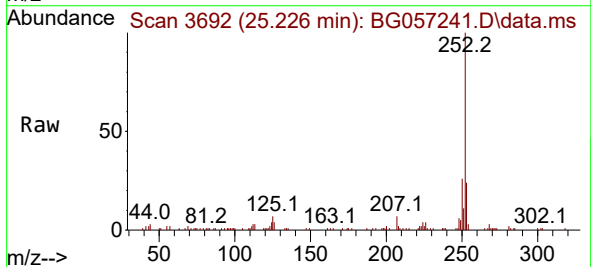
Instrument :
BNA_G
ClientSampleId :
EW8W8

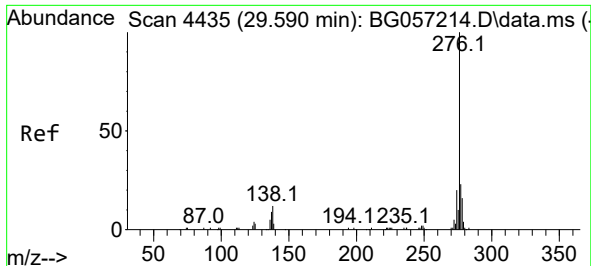
Tgt Ion:252 Resp: 175191
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 5.7 4.5 6.7



#93
Benzo(a)pyrene
Concen: 12.522 ng/ul
RT: 25.226 min Scan# 3692
Delta R.T. -0.153 min
Lab File: BG057241.D
Acq: 29 Apr 2023 7:54

Tgt Ion:252 Resp: 80116
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 6.7 5.1 7.7

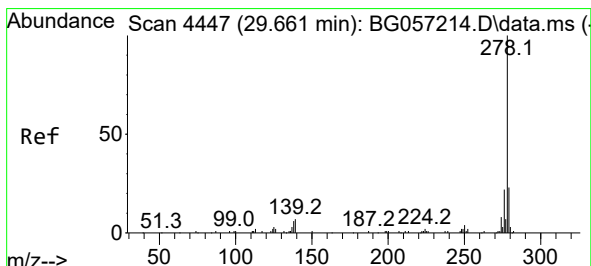
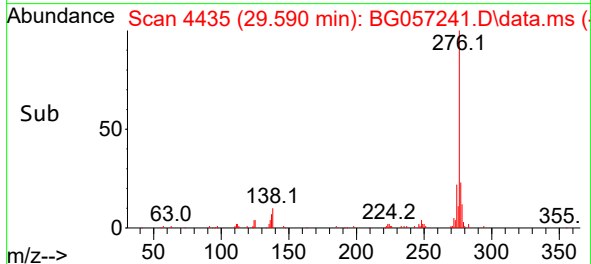
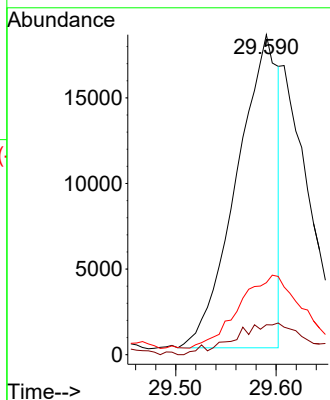
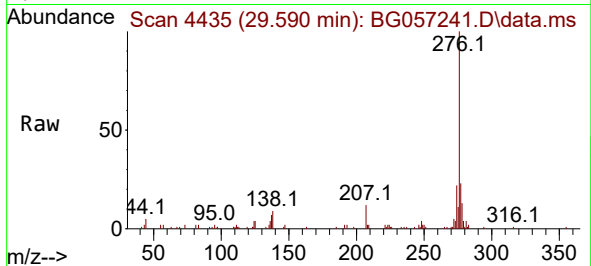




#94
 Indeno(1,2,3-cd)pyrene
 Concen: 6.510 ng/ul
 RT: 29.590 min Scan# 4435
 Delta R.T. 0.000 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54

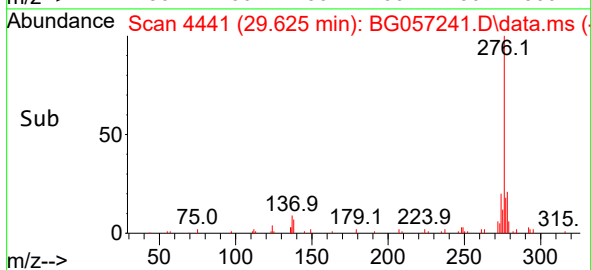
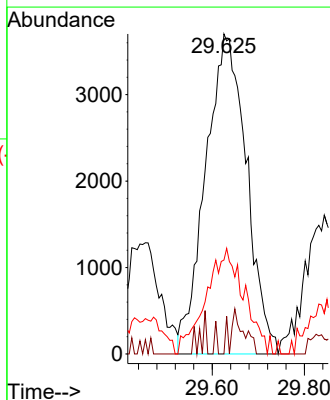
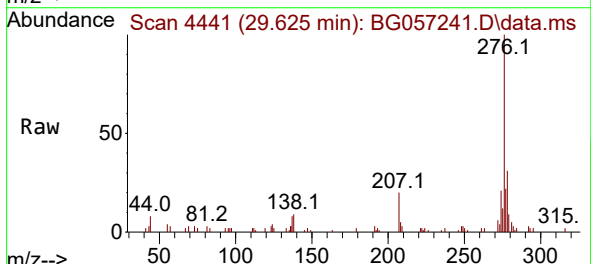
Instrument :
 BNA_G
 ClientSampleId :
 EW8W8

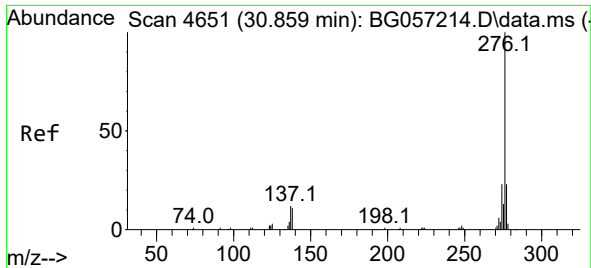
Tgt Ion:276 Resp: 52066
 Ion Ratio Lower Upper
 276 100
 138 9.4 9.4 14.2#
 277 22.5 18.6 28.0



#95
 Dibenzo(a,h)anthracene
 Concen: 3.431 ng/ul
 RT: 29.625 min Scan# 4441
 Delta R.T. -0.035 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54

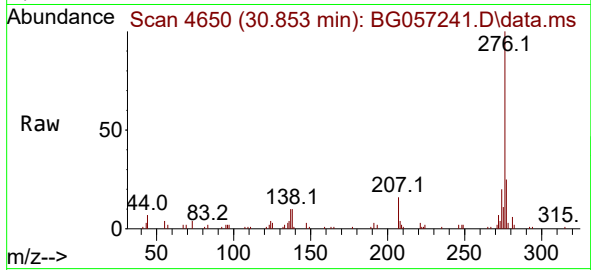
Tgt Ion:278 Resp: 22753
 Ion Ratio Lower Upper
 278 100
 139 0.0 5.8 8.6#
 279 29.4 18.3 27.5#





#96
 Benzo(g,h,i)perylene
 Concen: 5.013 ng/ul
 RT: 30.853 min Scan# 4
 Delta R.T. -0.006 min
 Lab File: BG057241.D
 Acq: 29 Apr 2023 7:54

Instrument :
 BNA_G
 ClientSampleId :
 EW8W8



Tgt Ion:276 Resp: 32445
 Ion Ratio Lower Upper
 276 100
 138 10.0 8.7 13.1
 277 24.7 18.4 27.6

