

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
 Data File : BG057284.D
 Acq On : 3 May 2023 13:09
 Operator : CG/JU
 Sample : 02419-33
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW928

Quant Time: May 04 01:14:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.372	152	16261	20.000	ng/ul	0.00
20) Naphthalene-d8	11.216	136	64627	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.987	164	48005	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.730	188	109895	20.000	ng/ul	0.00
79) Chrysene-d12	22.048	240	95412	20.000	ng/ul	# 0.00
88) Perylene-d12	25.573	264	101379	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.655	96	756	2.046	ng/uL	0.00
4) Pyridine-d5	4.102	84	127	0.109	ng/ul	0.00
7) Phenol-d5	7.515	99	17692	11.505	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.679	67	10992	12.153	ng/ul	0.00
11) 2-Chlorophenol-d4	7.902	132	13689	13.508	ng/ul	0.00
15) 4-Methylphenol-d8	9.077	113	13234	11.323	ng/ul	0.00
21) Nitrobenzene-d5	9.547	128	7438	14.452	ng/ul	0.00
24) 2-Nitrophenol-d4	10.281	143	8809	14.666	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.828	165	15269	13.176	ng/ul	0.00
31) 4-Chloroaniline-d4	11.339	131	11015	7.172	ng/ul	0.00
46) Dimethylphthalate-d6	14.370	166	56649	14.893	ng/ul	0.00
49) Acenaphthylene-d8	14.687	160	65570	15.337	ng/ul	0.00
54) 4-Nitrophenol-d4	15.192	143	2058	3.717	ng/ul	0.01
60) Fluorene-d10	15.974	176	51116	14.425	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.103	200	2900	4.454	ng/ul	0.00
73) Anthracene-d10	17.830	188	79076	15.764	ng/ul	0.00
81) Pyrene-d10	20.098	212	89381	15.782	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.332	264	83847	16.234	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.556	94	1810	1.168	ng/ul	94
16) Acetophenone	9.206	105	9632	4.789	ng/ul	98
30) Naphthalene	11.262	128	7655	2.157	ng/ul#	95
36) 2-Methylnaphthalene	12.843	142	4719	1.813	ng/ul	99
37) 1-Methylnaphthalene	13.060	142	3885	1.485	ng/ul#	88
50) Acenaphthylene	14.717	152	5861	1.349	ng/ul#	92
52) Acenaphthene	15.052	153	7357	2.377	ng/ul	97
56) Dibenzofuran	15.380	168	13406	2.999	ng/ul	94
61) Fluorene	16.027	166	12571	3.326	ng/ul#	96
72) Phenanthrene	17.771	178	218449	38.172	ng/ul	98
74) Anthracene	17.865	178	54411	9.465	ng/ul	99
77) Carbazole	18.130	167	11173	2.326	ng/ul	96
80) Fluoranthene	19.763	202	385953	57.370	ng/ul	96
82) Pyrene	20.127	202	339696	49.879	ng/ul#	97
83) Butylbenzylphthalate	20.973	149	4019	1.843	ng/ul#	87
85) Benzo(a)anthracene	22.024	228	212441	31.482	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.872	149	30958	9.760	ng/ul	99
87) Chrysene	22.024	228	209703	32.938	ng/ul	97
90) Benzo(b)fluoranthene	24.451	252	247506	35.255	ng/ul	95
91) Benzo(k)fluoranthene	24.451	252	247506	36.238	ng/ul	97
93) Benzo(a)pyrene	25.244	252	112492	18.560	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	29.644	276	122416	16.158	ng/ul#	97
95) Dibenzo(a,h)anthracene	29.667	278	17208	2.739	ng/ul#	88
96) Benzo(g,h,i)perylene	30.907	276	53609	8.743	ng/ul	98

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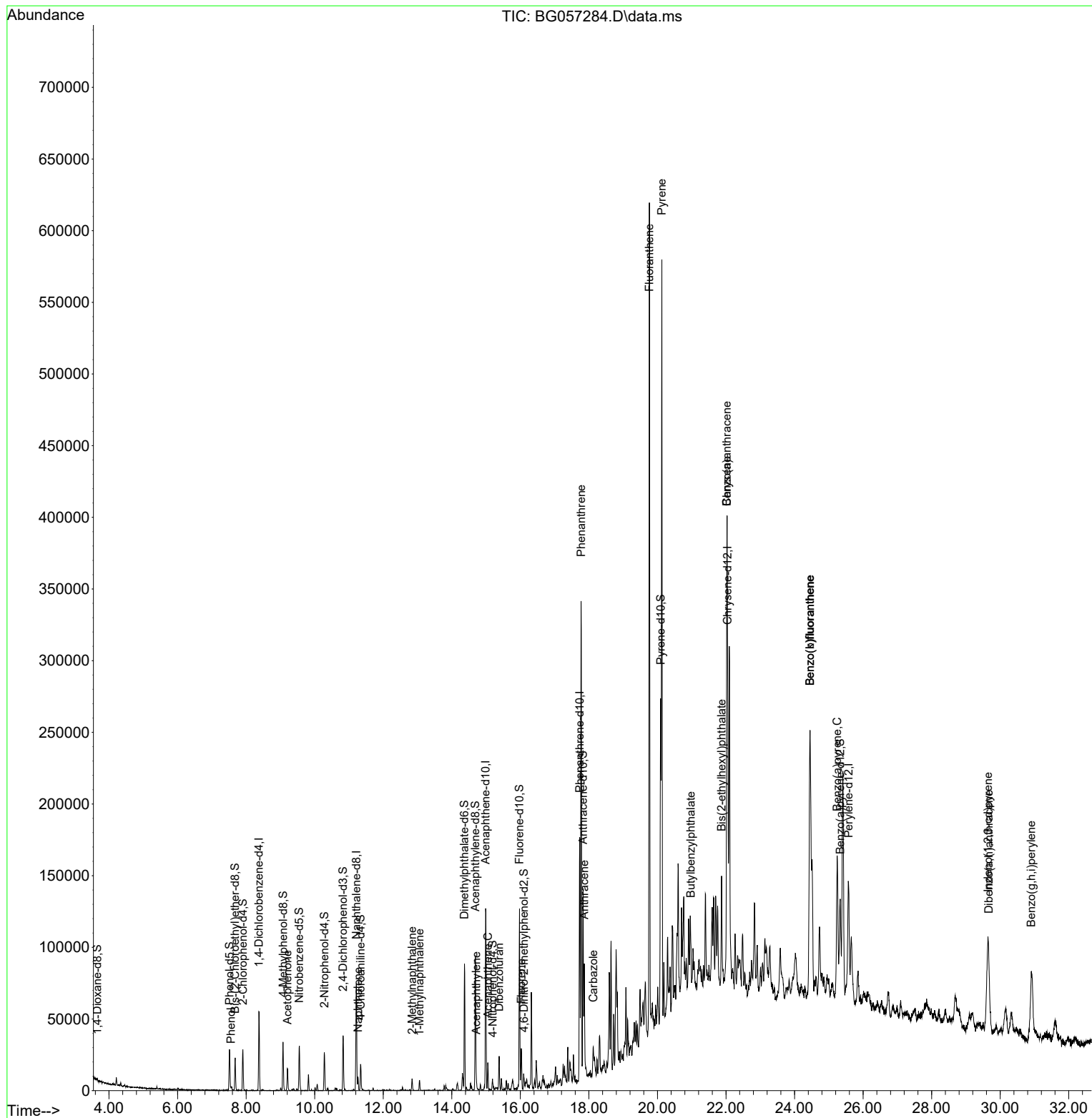
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

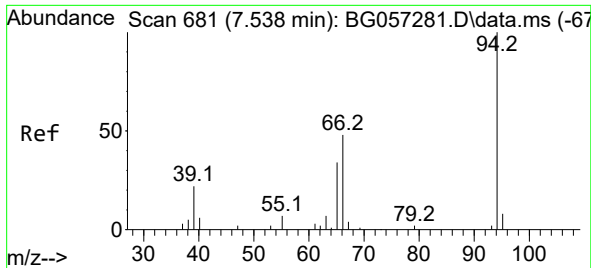
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Phenol

Concen: 1.168 ng/ul

RT: 7.556 min Scan# 681

Delta R.T. 0.015 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

EW928

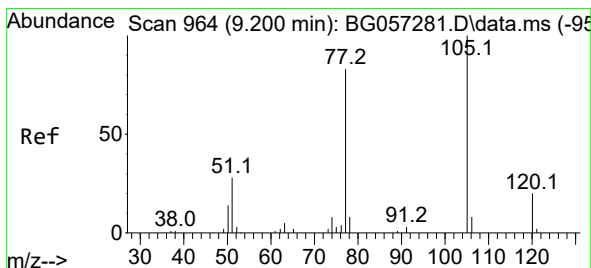
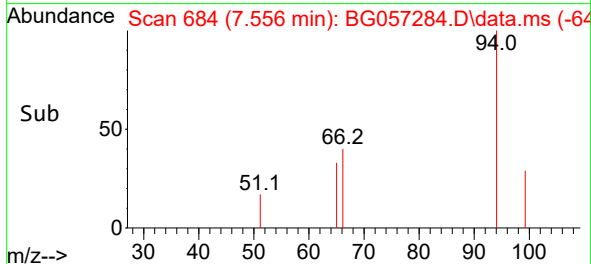
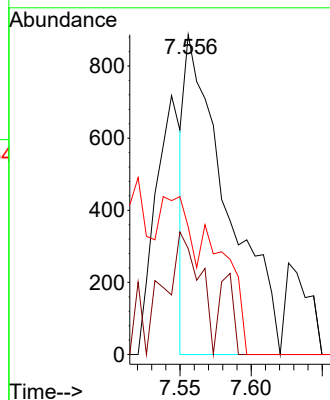
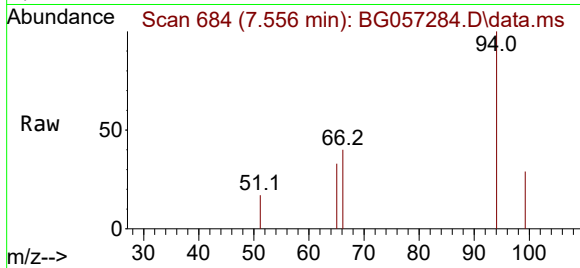
Tgt Ion: 94 Resp: 1810

Ion Ratio Lower Upper

94 100

65 33.1 25.5 38.3

66 39.9 36.9 55.3



#16

Acetophenone

Concen: 4.789 ng/ul

RT: 9.206 min Scan# 965

Delta R.T. -0.003 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

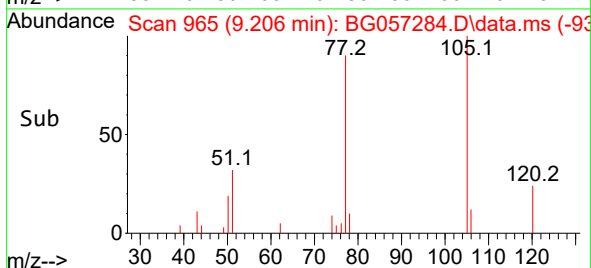
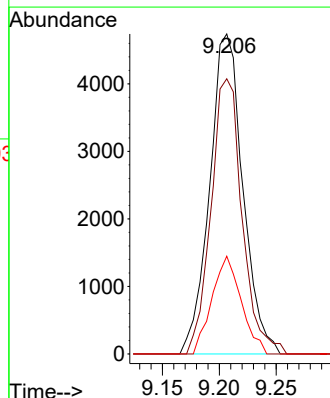
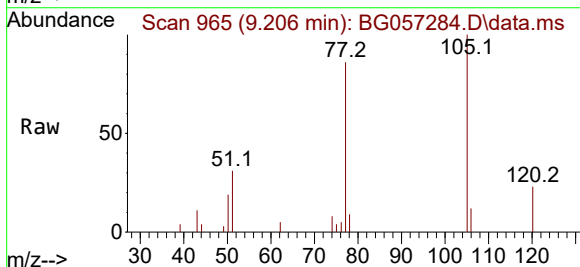
Tgt Ion:105 Resp: 9632

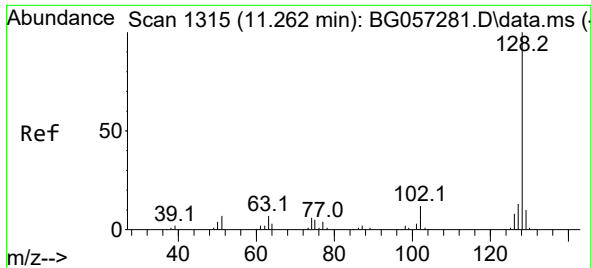
Ion Ratio Lower Upper

105 100

77 86.0 70.6 105.8

51 30.5 24.5 36.7

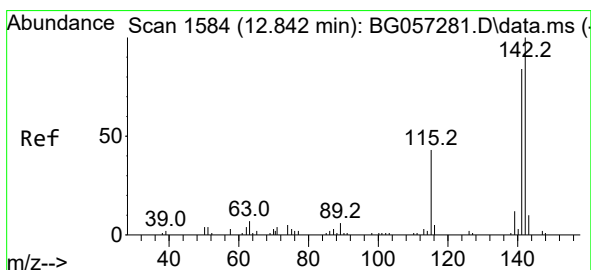
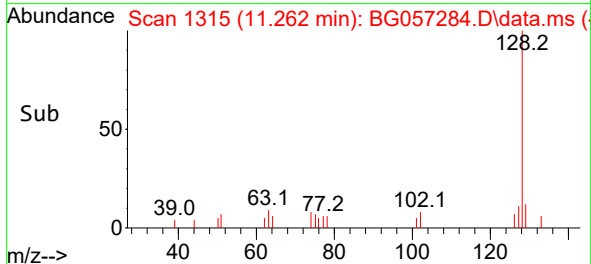
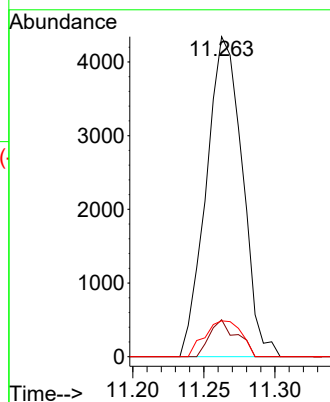
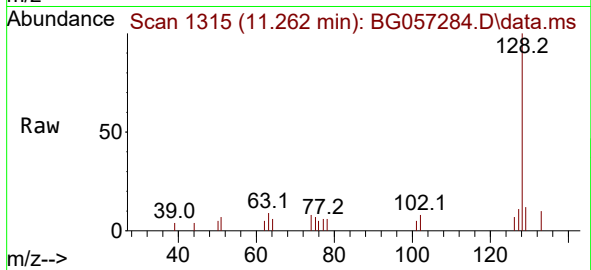




#30
Naphthalene
Concen: 2.157 ng/ul
RT: 11.262 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

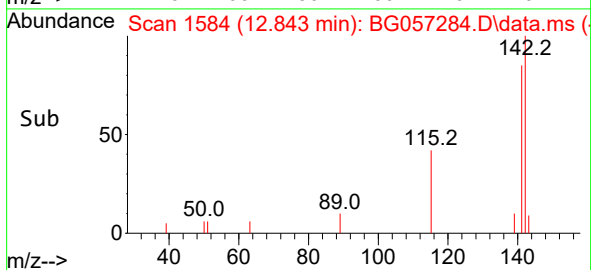
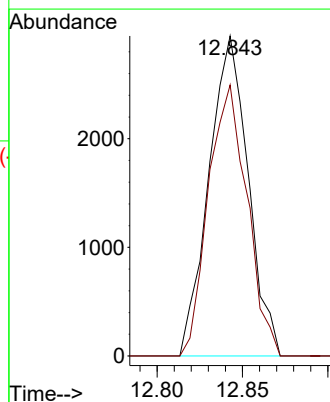
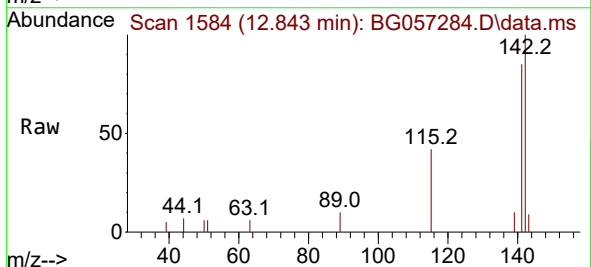
Instrument :
BNA_G
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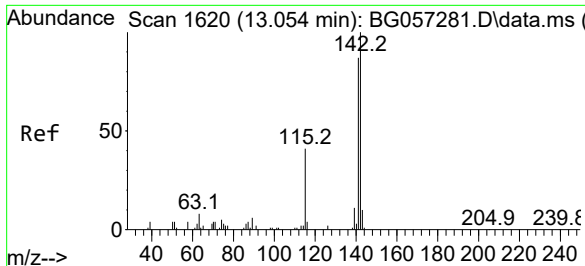
Tgt Ion:128 Resp: 7655
Ion Ratio Lower Upper
128 100
129 11.6 8.5 12.7
127 11.2 11.4 17.0#



#36
2-Methylnaphthalene
Concen: 1.813 ng/ul
RT: 12.843 min Scan# 1584
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

Tgt Ion:142 Resp: 4719
Ion Ratio Lower Upper
142 100
141 84.7 68.7 103.1





#37

1-Methylnaphthalene

Concen: 1.485 ng/ul

RT: 13.060 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

EW928

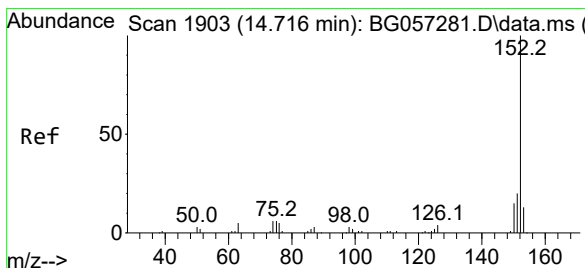
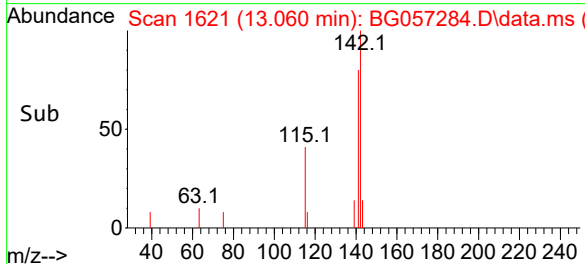
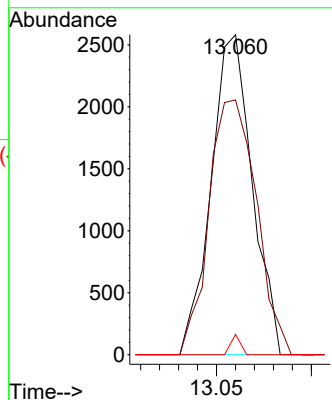
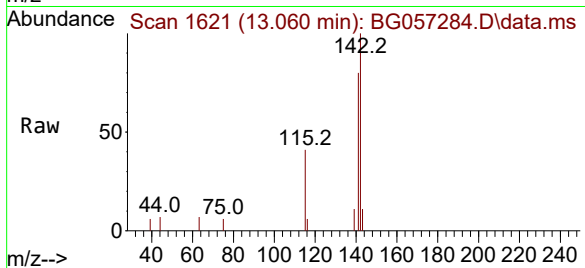
Tgt Ion:142 Resp: 3885

Ion Ratio Lower Upper

142 100

141 79.6 72.9 109.3

116 6.4 3.2 4.8#



#50

Acenaphthylene

Concen: 1.349 ng/ul

RT: 14.717 min Scan# 1903

Delta R.T. -0.009 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

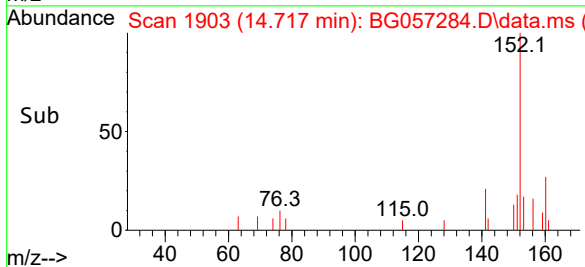
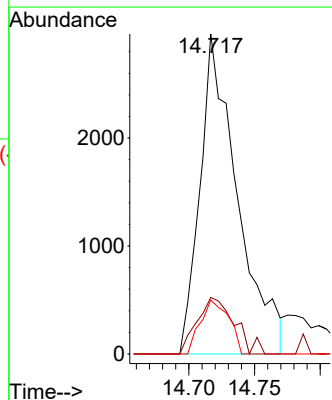
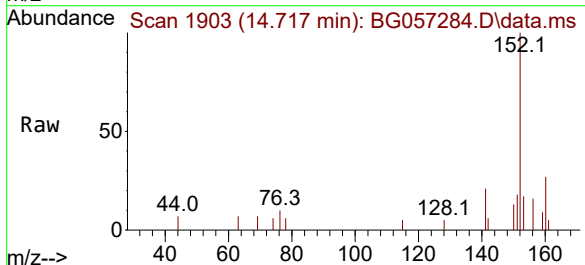
Tgt Ion:152 Resp: 5861

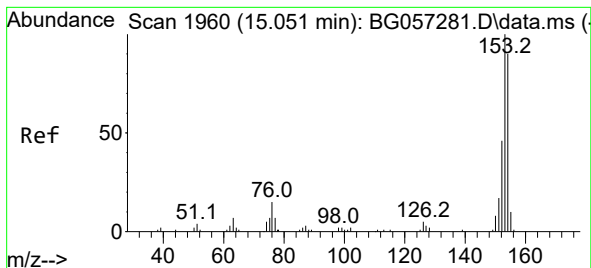
Ion Ratio Lower Upper

152 100

151 17.6 16.3 24.5

153 16.8 10.1 15.1#





#52

Acenaphthene

Concen: 2.377 ng/ul

RT: 15.052 min Scan# 1960

Delta R.T. -0.009 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

EW928

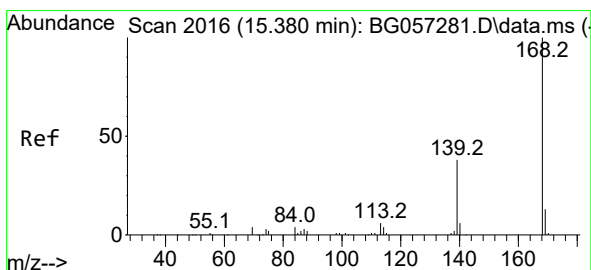
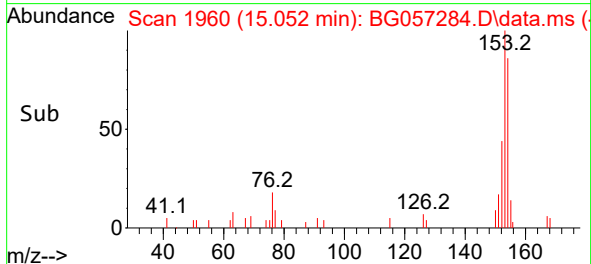
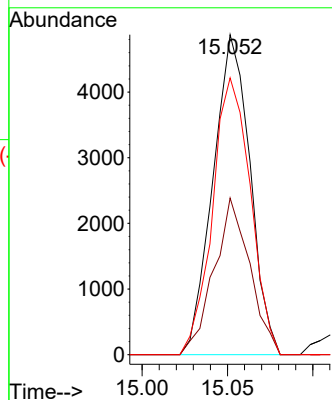
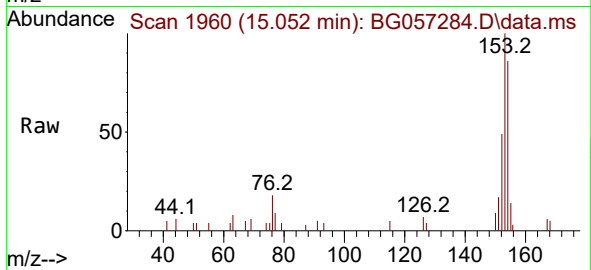
Tgt Ion:153 Resp: 7357

Ion Ratio Lower Upper

153 100

152 49.0 36.5 54.7

154 86.5 70.6 106.0



#56

Dibenzofuran

Concen: 2.999 ng/ul

RT: 15.380 min Scan# 2016

Delta R.T. -0.009 min

Lab File: BG057284.D

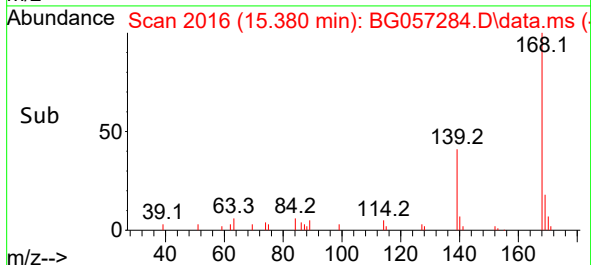
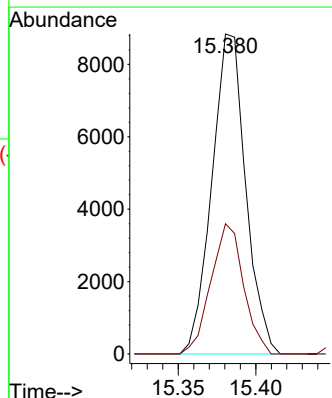
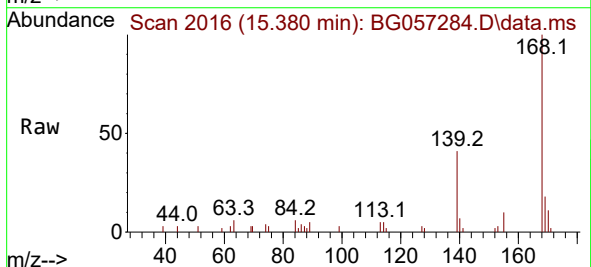
Acq: 3 May 2023 13:09

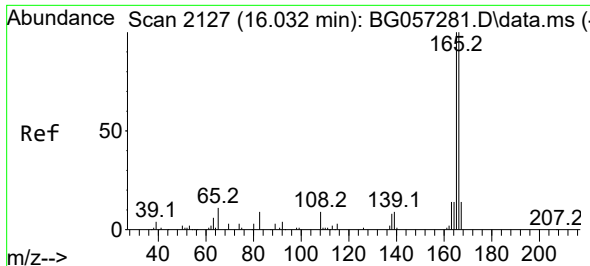
Tgt Ion:168 Resp: 13406

Ion Ratio Lower Upper

168 100

139 40.7 29.6 44.4

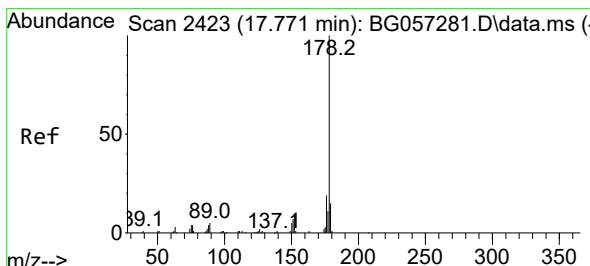
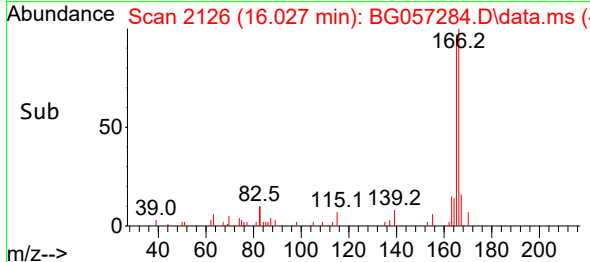
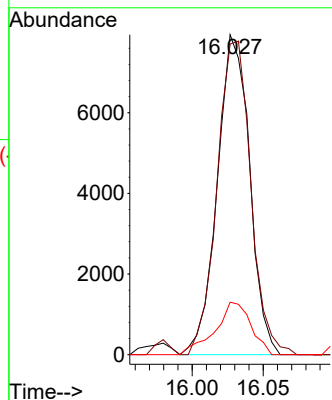
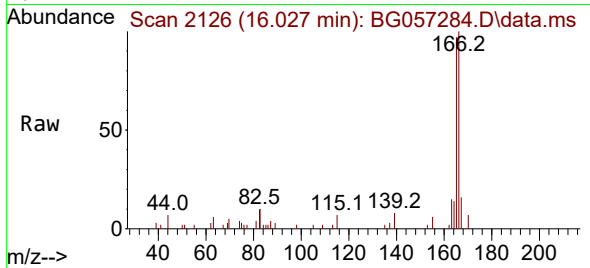




#61
Fluorene
Concen: 3.326 ng/ul
RT: 16.027 min Scan# 2127
Delta R.T. -0.009 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

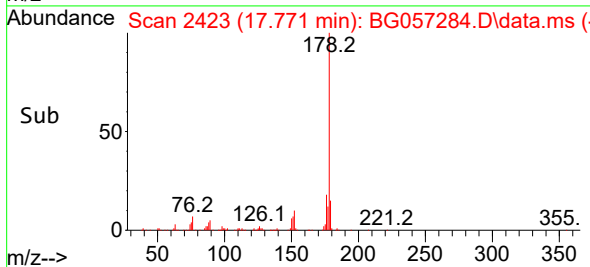
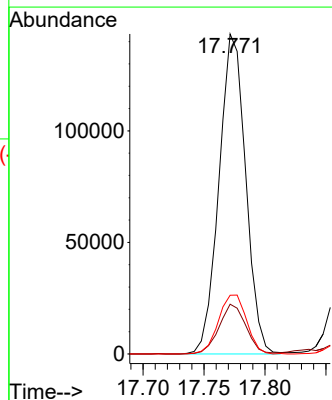
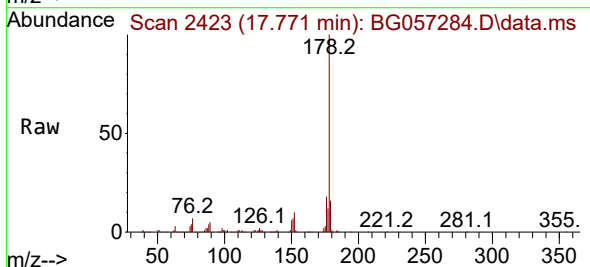
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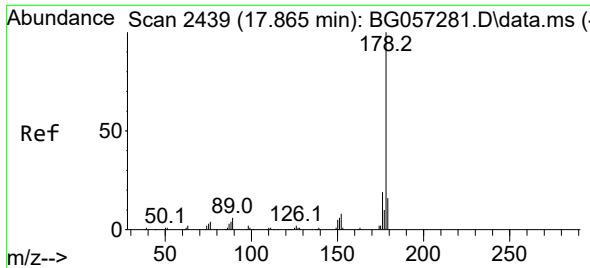
Tgt Ion:166 Resp: 12571
Ion Ratio Lower Upper
166 100
165 97.0 80.1 120.1
167 16.4 10.2 15.4#



#72
Phenanthrene
Concen: 38.172 ng/ul
RT: 17.771 min Scan# 2423
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

Tgt Ion:178 Resp: 218449
Ion Ratio Lower Upper
178 100
179 15.5 11.8 17.8
176 18.4 15.4 23.0

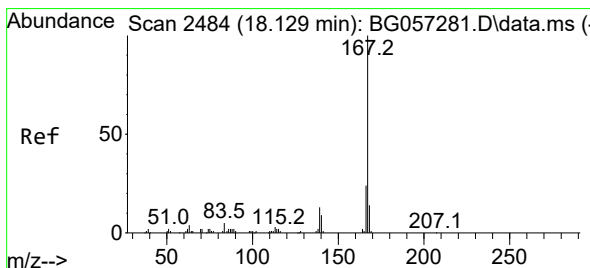
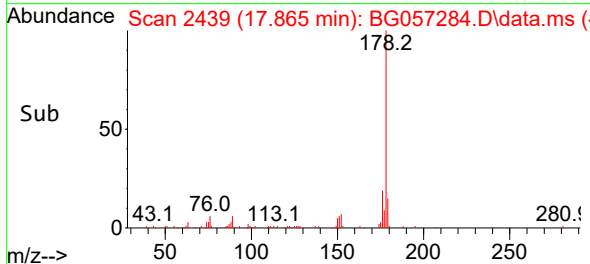
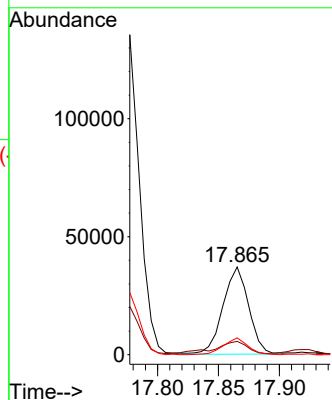
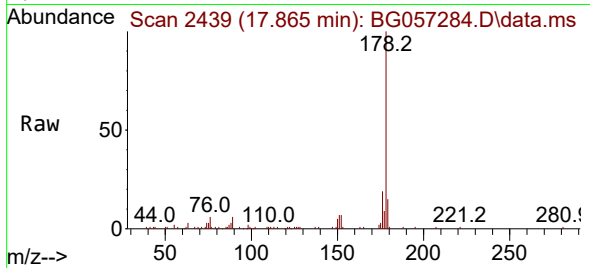




#74
 Anthracene
 Concen: 9.465 ng/ul
 RT: 17.865 min Scan# 2439
 Delta R.T. -0.003 min
 Lab File: BG057284.D
 Acq: 3 May 2023 13:09

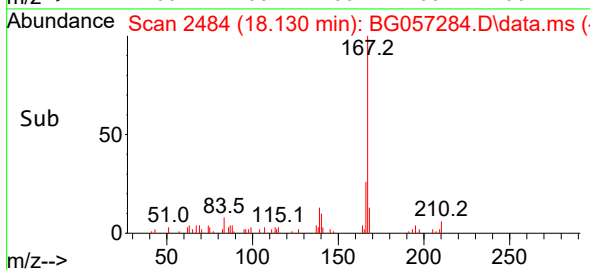
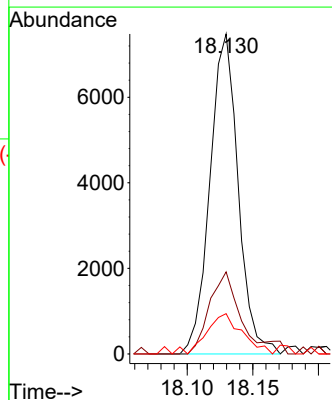
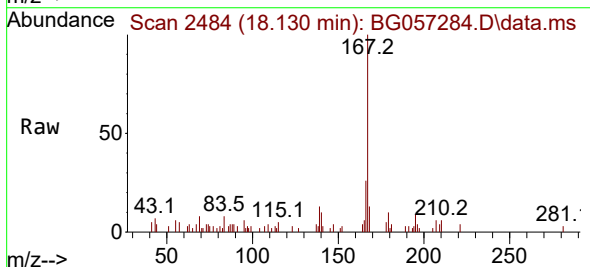
Instrument :
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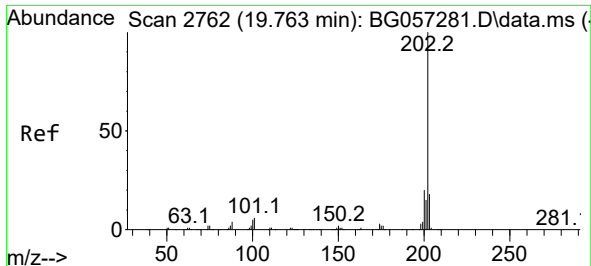
Tgt Ion:178 Resp: 54411
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.5 18.7
 176 19.2 14.7 22.1



#77
 Carbazole
 Concen: 2.326 ng/ul
 RT: 18.130 min Scan# 2484
 Delta R.T. -0.003 min
 Lab File: BG057284.D
 Acq: 3 May 2023 13:09

Tgt Ion:167 Resp: 11173
 Ion Ratio Lower Upper
 167 100
 166 25.6 18.0 27.0
 139 12.6 10.3 15.5

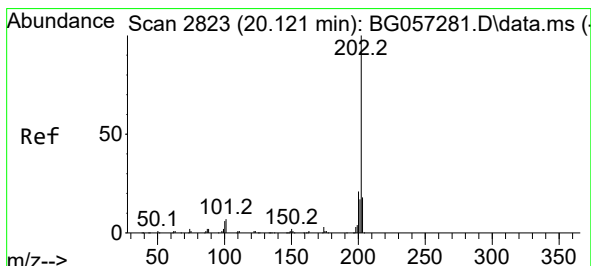
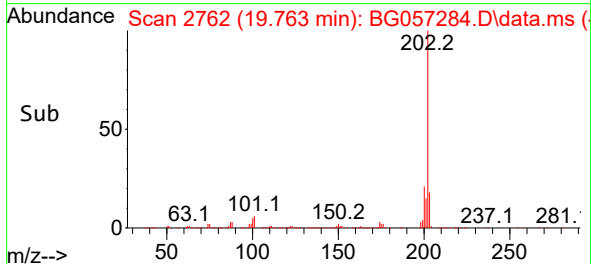
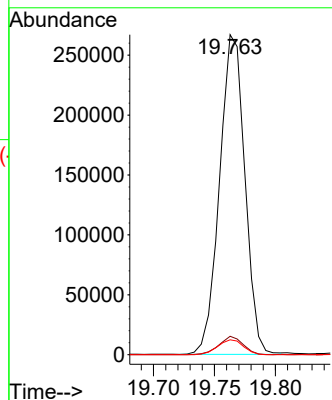
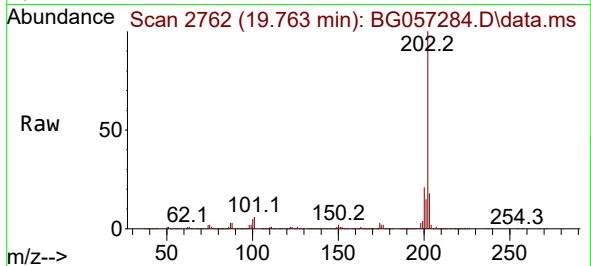




#80
Fluoranthene
Concen: 57.370 ng/u1
RT: 19.763 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

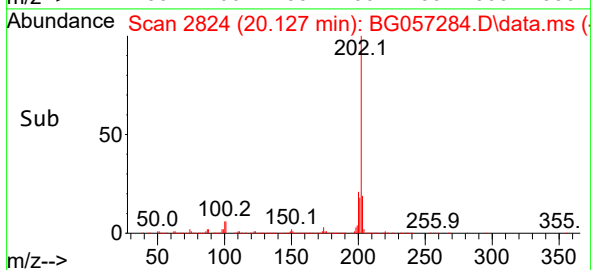
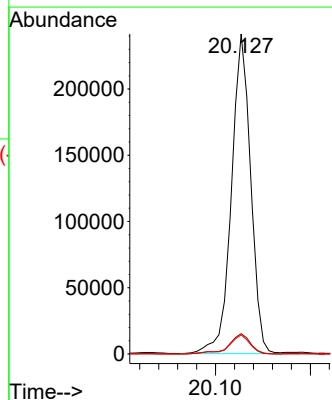
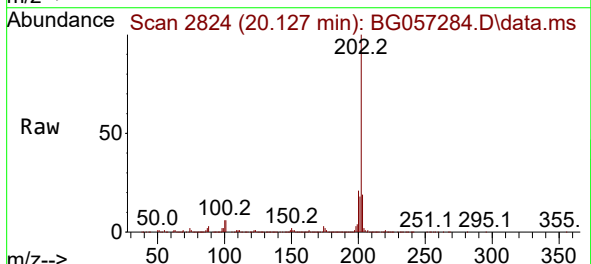
Instrument :
BNA_G
ClientSampleId :
EW928

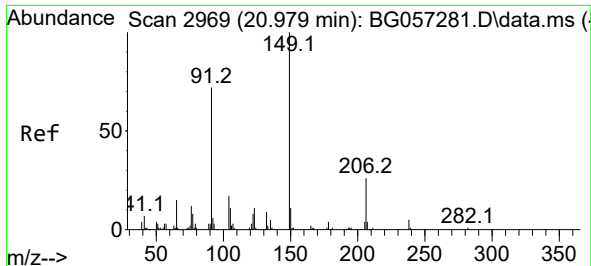
Tgt Ion:202 Resp: 385953
Ion Ratio Lower Upper
202 100
101 5.8 5.8 8.6
100 4.7 4.6 7.0



#82
Pyrene
Concen: 49.879 ng/u1
RT: 20.127 min Scan# 2824
Delta R.T. 0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

Tgt Ion:202 Resp: 339696
Ion Ratio Lower Upper
202 100
101 6.3 5.7 8.5
100 5.9 6.0 9.0#

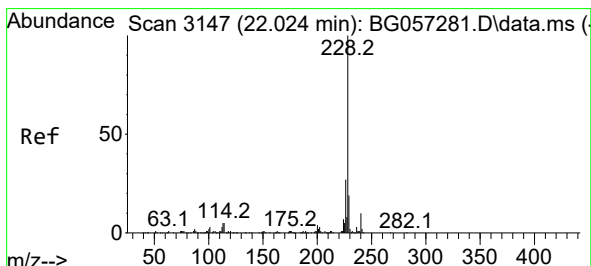
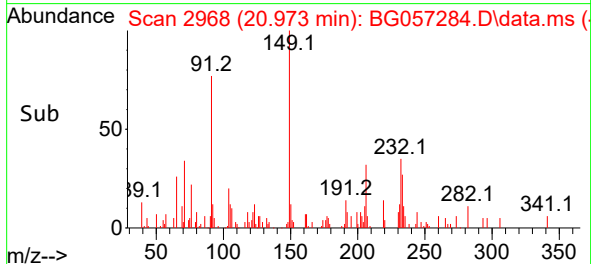
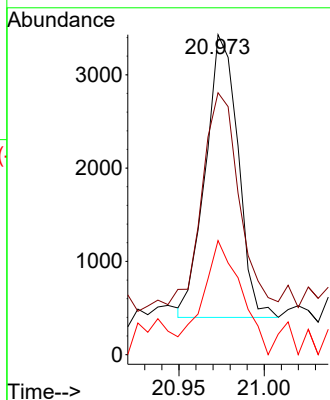
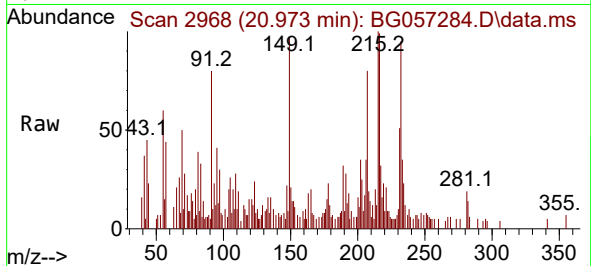




#83
Butylbenzylphthalate
Concen: 1.843 ng/ul
RT: 20.973 min Scan# 2968
Delta R.T. -0.009 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

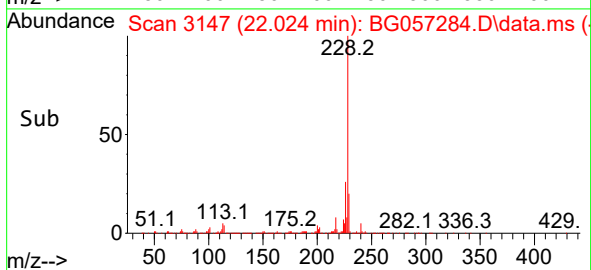
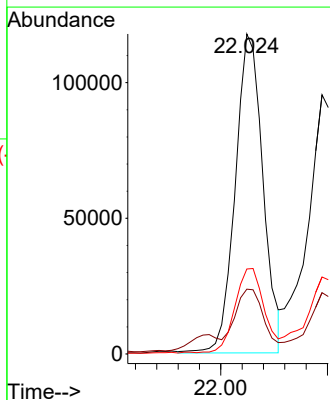
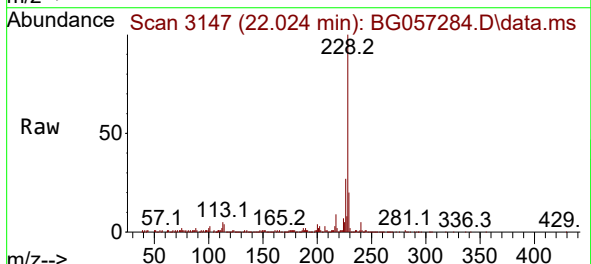
Instrument :
BNA_G
ClientSampleId :
EW928

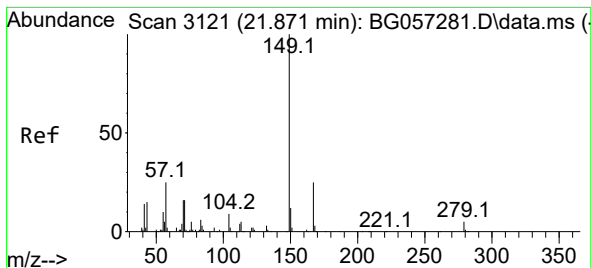
Tgt Ion:149 Resp: 4019
Ion Ratio Lower Upper
149 100
91 81.9 58.6 87.8
206 35.6 19.8 29.8#



#85
Benzo(a)anthracene
Concen: 31.482 ng/ul
RT: 22.024 min Scan# 3147
Delta R.T. -0.003 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

Tgt Ion:228 Resp: 212441
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.6
226 26.6 21.7 32.5

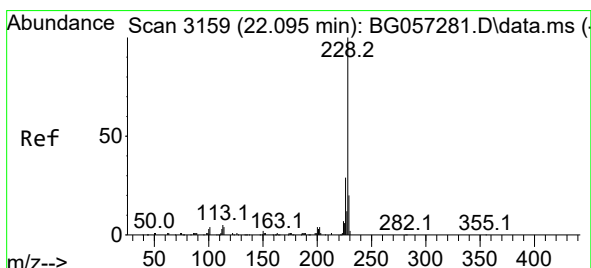
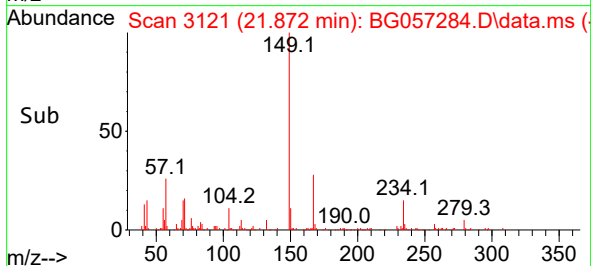
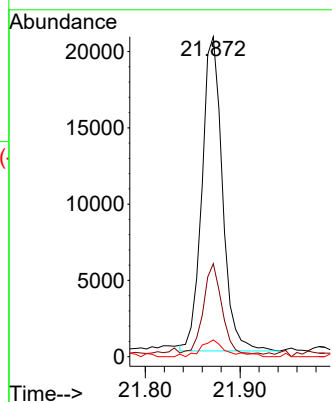
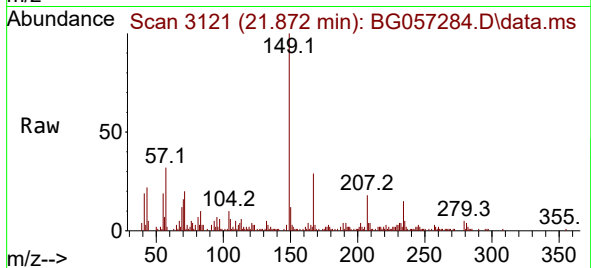




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 9.760 ng/ul
 RT: 21.872 min Scan# 3121
 Delta R.T. -0.003 min
 Lab File: BG057284.D
 Acq: 3 May 2023 13:09

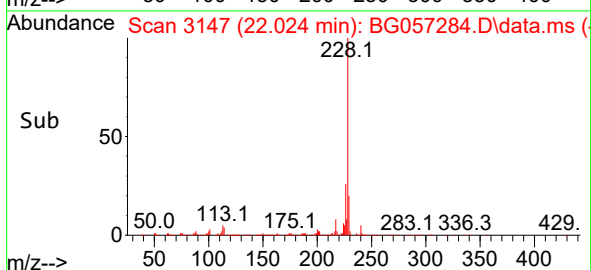
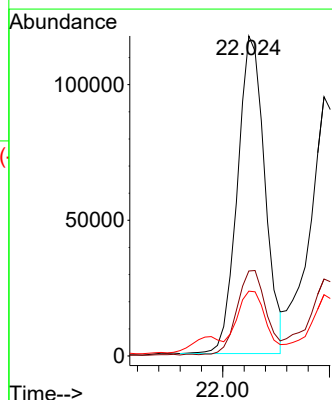
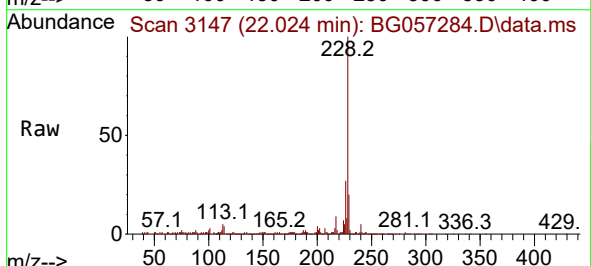
Instrument :
 BNA_G
 ClientSampleId :
 EW928

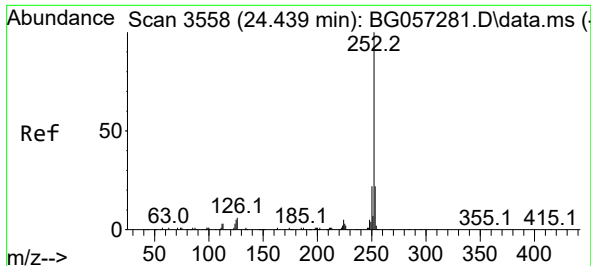
Tgt Ion:149 Resp: 30958
 Ion Ratio Lower Upper
 149 100
 167 29.1 23.0 34.6
 279 5.2 3.6 5.4



#87
 Chrysene
 Concen: 32.938 ng/ul
 RT: 22.024 min Scan# 3147
 Delta R.T. -0.073 min
 Lab File: BG057284.D
 Acq: 3 May 2023 13:09

Tgt Ion:228 Resp: 209703
 Ion Ratio Lower Upper
 228 100
 226 26.6 22.8 34.2
 229 20.2 15.5 23.3

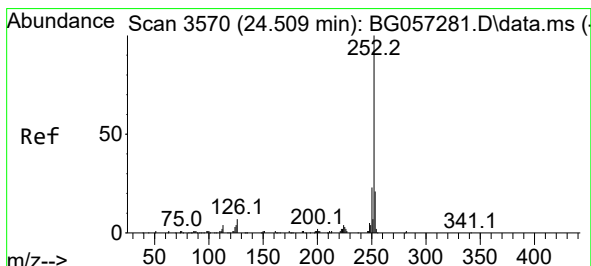
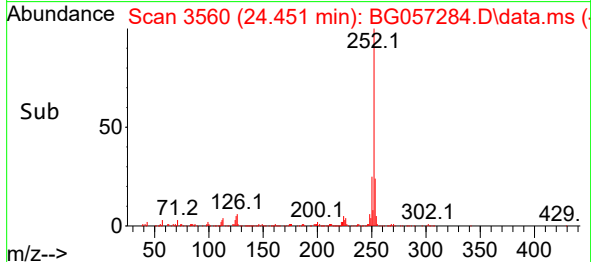
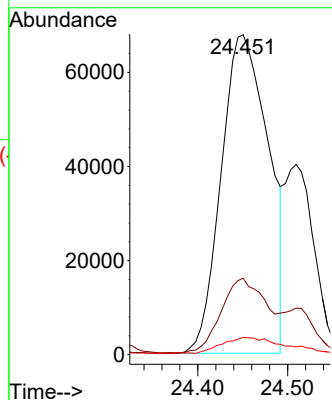
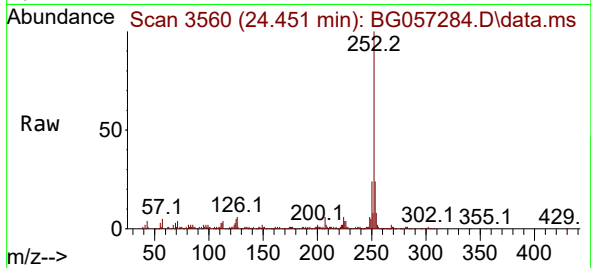




#90
Benzo(b)fluoranthene
Concen: 35.255 ng/ul
RT: 24.451 min Scan# 3560
Delta R.T. 0.015 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

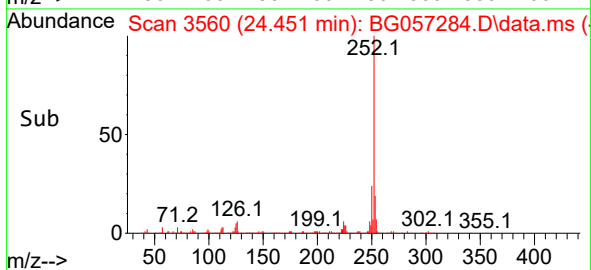
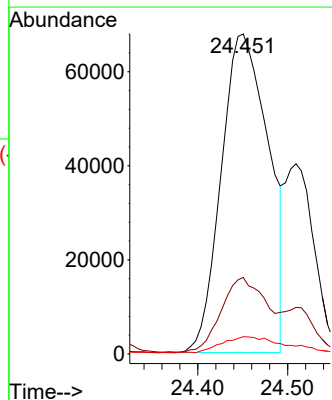
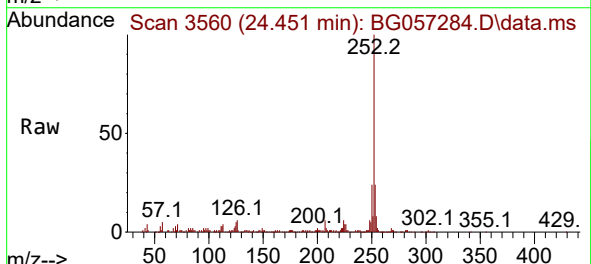
Instrument :
BNA_G
ClientSampleId :
EW928

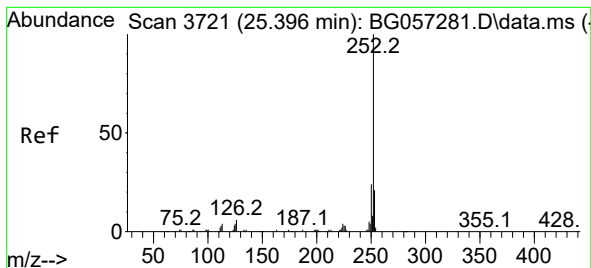
Tgt Ion:252 Resp: 247506
Ion Ratio Lower Upper
252 100
253 23.9 16.7 25.1
125 5.4 4.8 7.2



#91
Benzo(k)fluoranthene
Concen: 36.238 ng/ul
RT: 24.451 min Scan# 3560
Delta R.T. -0.062 min
Lab File: BG057284.D
Acq: 3 May 2023 13:09

Tgt Ion:252 Resp: 247506
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 5.4 4.5 6.7





#93

Benzo(a)pyrene

Concen: 18.560 ng/ul

RT: 25.244 min Scan# 3

Delta R.T. -0.156 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

Instrument :

BNA_G

ClientSampleId :

EW928

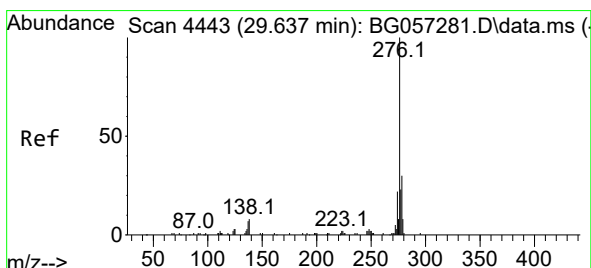
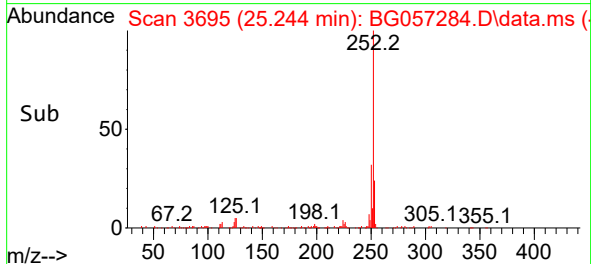
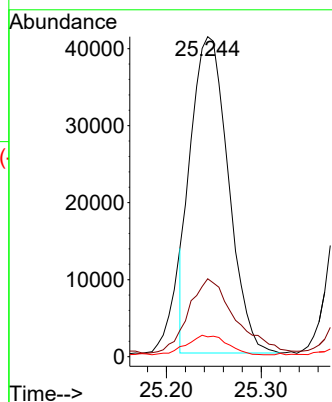
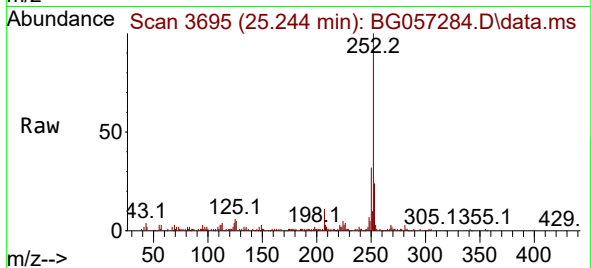
Tgt Ion:252 Resp: 112492

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

125 6.2 5.1 7.7



#94

Indeno(1,2,3-cd)pyrene

Concen: 16.158 ng/ul

RT: 29.644 min Scan# 4444

Delta R.T. 0.021 min

Lab File: BG057284.D

Acq: 3 May 2023 13:09

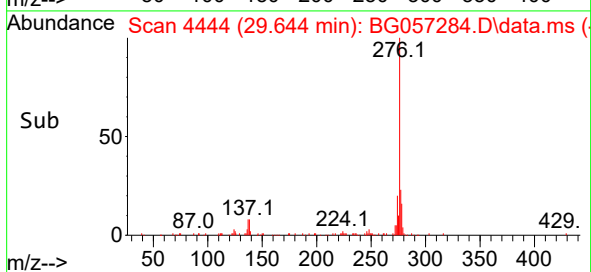
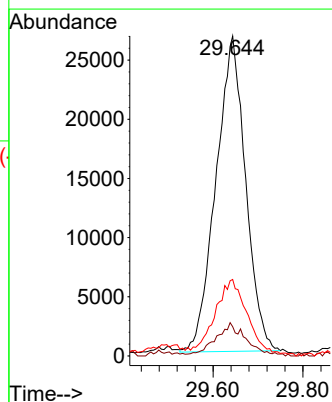
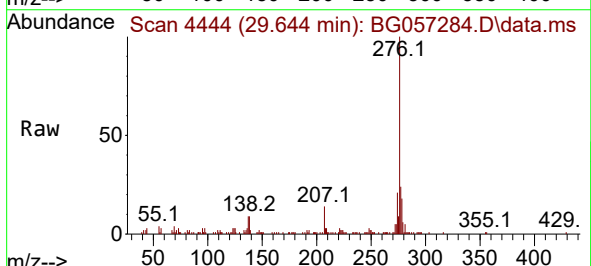
Tgt Ion:276 Resp: 122416

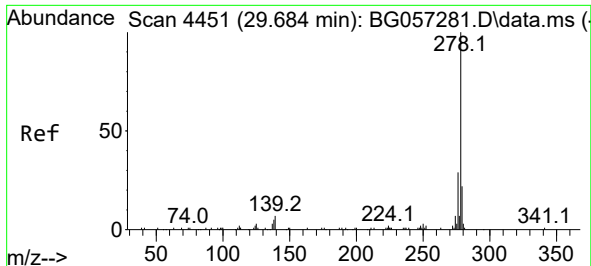
Ion Ratio Lower Upper

276 100

138 9.1 9.4 14.2#

277 23.9 18.6 28.0

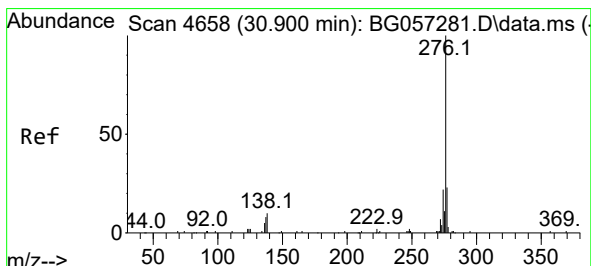
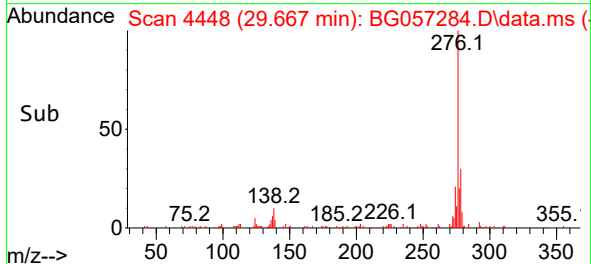
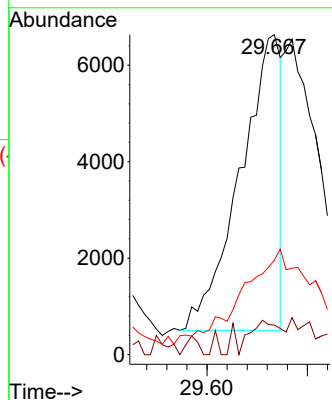
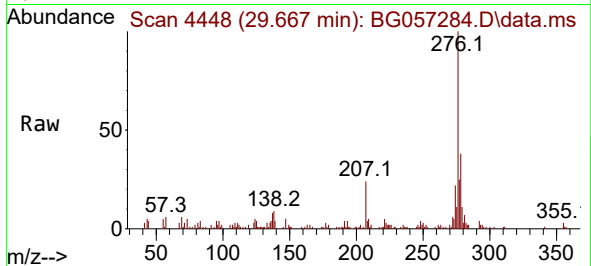




#95
 Dibenzo(a,h)anthracene
 Concen: 2.739 ng/ul
 RT: 29.667 min Scan# 4448
 Delta R.T. -0.026 min
 Lab File: BG057284.D
 Acq: 3 May 2023 13:09

Instrument :
 BNA_G
 ClientSampleId :
 EW928

Tgt Ion:278 Resp: 17208
 Ion Ratio Lower Upper
 278 100
 139 9.2 5.8 8.6#
 279 29.5 18.3 27.5#



#96
 Benzo(g,h,i)perylene
 Concen: 8.743 ng/ul
 RT: 30.907 min Scan# 4659
 Delta R.T. -0.003 min
 Lab File: BG057284.D
 Acq: 3 May 2023 13:09

Tgt Ion:276 Resp: 53609
 Ion Ratio Lower Upper
 276 100
 138 9.5 8.7 13.1
 277 23.7 18.4 27.6

