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 Data File : BG057283.D
 Acq On : 3 May 2023 12:29
 Operator : CG/JU
 Sample : 02419-24
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

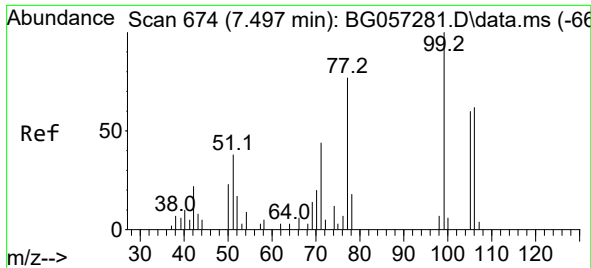
Instrument :
 BNA_G
 ClientSampleId :
 EW921

Quant Time: May 04 01:14:37 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	8.379	152	15627	20.000	ng/ul	0.00
20) Naphthalene-d8	11.211	136	62309	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.988	164	44702	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.732	188	101988	20.000	ng/ul	0.00
79) Chrysene-d12	22.049	240	88088	20.000	ng/ul	0.00
88) Perylene-d12	25.568	264	142840	20.000	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.656	96	661	1.861	ng/uL	0.00
4) Pyridine-d5	4.097	84	79	0.071	ng/ul	0.00
7) Phenol-d5	7.510	99	15713	10.632	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.680	67	9438	10.858	ng/ul	0.00
11) 2-Chlorophenol-d4	7.904	132	11478	11.786	ng/ul	0.00
15) 4-Methylphenol-d8	9.073	113	11766	10.475	ng/ul	0.00
21) Nitrobenzene-d5	9.548	128	5898	11.886	ng/ul	0.00
24) 2-Nitrophenol-d4	10.277	143	7206	12.444	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.829	165	13244	11.854	ng/ul	0.00
31) 4-Chloroaniline-d4	11.346	131	6398	4.321	ng/ul	0.00
46) Dimethylphthalate-d6	14.371	166	45687	12.898	ng/ul	0.00
49) Acenaphthylene-d8	14.689	160	54009	13.567	ng/ul	0.00
54) 4-Nitrophenol-d4	15.182	143	4261	8.264	ng/ul	0.00
60) Fluorene-d10	15.975	176	42170	12.780	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.093	200	4765	7.886	ng/ul	0.00
73) Anthracene-d10	17.831	188	64452	13.845	ng/ul	0.00
81) Pyrene-d10	20.099	212	78086	14.934	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.333	264	70402	9.674	ng/ul	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.504	77	784	1.737	ng/ul#	33
16) Acetophenone	9.202	105	9139	4.728	ng/ul	91
36) 2-Methylnaphthalene	12.844	142	3121	1.244	ng/ul	89
48) 2,6-Dinitrotoluene	14.489	165	1236	1.688	ng/ul#	38
72) Phenanthrene	17.773	178	45660	8.597	ng/ul	97
74) Anthracene	17.773	178	45477	8.524	ng/ul	97
77) Carbazole	18.125	167	4979	1.117	ng/ul	94
78) Di-n-butylphthalate	18.648	149	118363	23.217	ng/ul	99
80) Fluoranthene	19.764	202	98694	15.890	ng/ul#	95
82) Pyrene	20.128	202	91198	14.504	ng/ul#	97
83) Butylbenzylphthalate	20.980	149	28971	14.388	ng/ul	96
85) Benzo(a)anthracene	22.096	228	58128	9.330	ng/ul	92
86) Bis(2-ethylhexyl)phtha...	21.873	149	335884	114.692	ng/ul	97
87) Chrysene	22.096	228	56322	9.582	ng/ul	93
89) Di-n-octyl phthalate	23.183	149	39944	5.064	ng/ul	100
90) Benzo(b)fluoranthene	24.446	252	97698	9.877	ng/ul#	91
91) Benzo(k)fluoranthene	24.446	252	97698	10.152	ng/ul#	92
93) Benzo(a)pyrene	25.409	252	64835	7.592	ng/ul#	90
94) Indeno(1,2,3-cd)pyrene	29.645	276	81262	7.613	ng/ul#	98
95) Dibenzo(a,h)anthracene	29.698	278	17420	1.968	ng/ul#	88
96) Benzo(g,h,i)perylene	30.931	276	87390	10.115	ng/ul	99

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

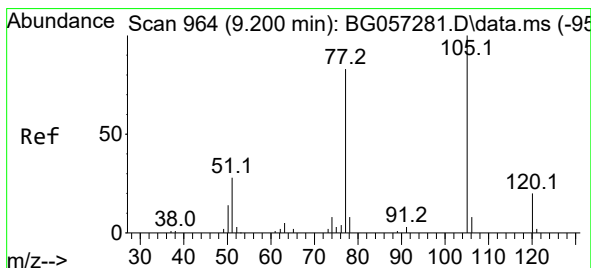
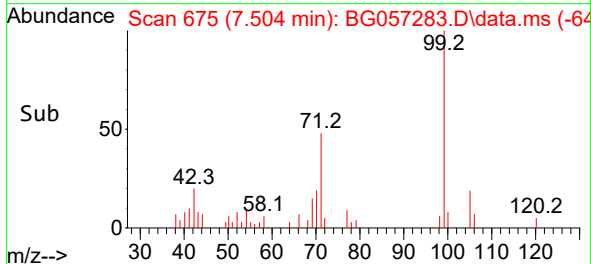
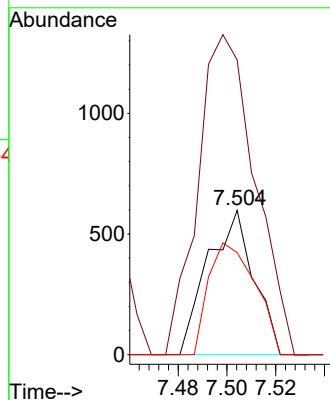
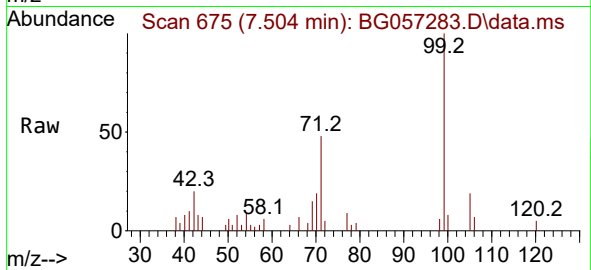
Instrument :
BNA_G
ClientSampleId :
EW921



#6
Benzaldehyde
Concen: 1.737 ng/ul
RT: 7.504 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

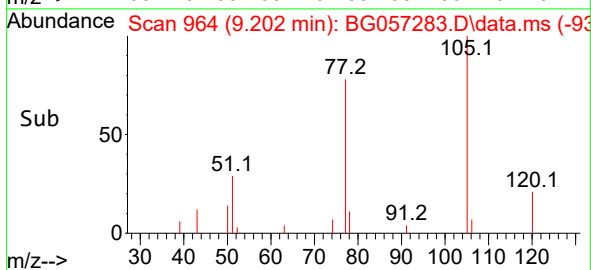
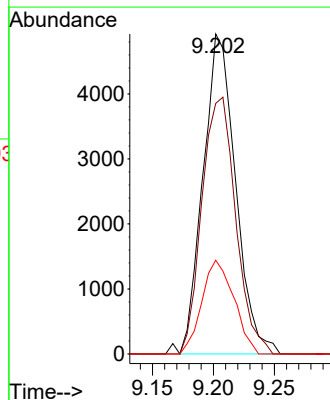
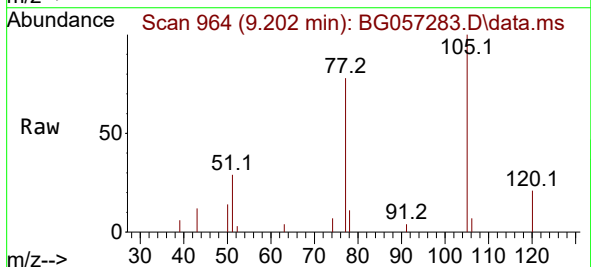
Instrument :
BNA_G
ClientSampleId :
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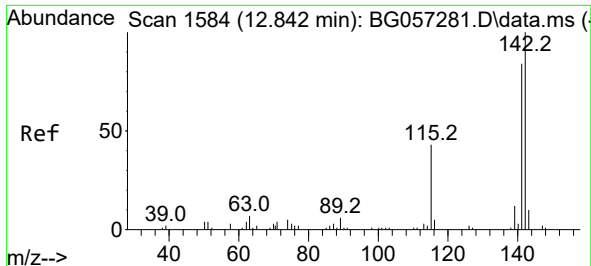
Tgt Ion: 77 Resp: 784
Ion Ratio Lower Upper
77 100
105 204.2 79.8 119.6#
106 70.7 78.7 118.1#



#16
Acetophenone
Concen: 4.728 ng/ul
RT: 9.202 min Scan# 964
Delta R.T. -0.008 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

Tgt Ion: 105 Resp: 9139
Ion Ratio Lower Upper
105 100
77 78.3 70.6 105.8
51 29.3 24.5 36.7

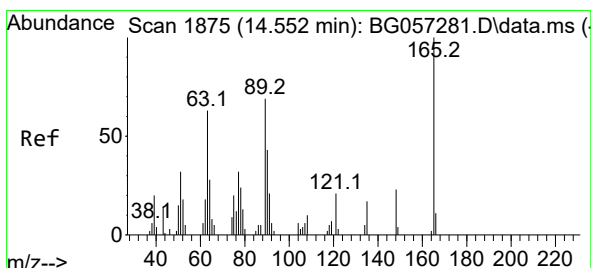
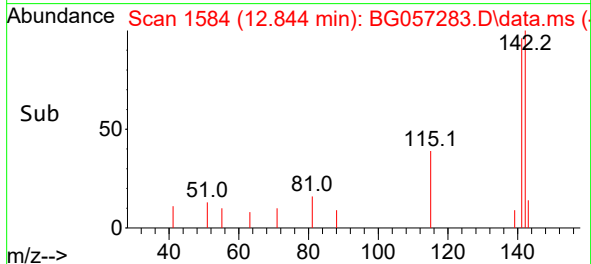
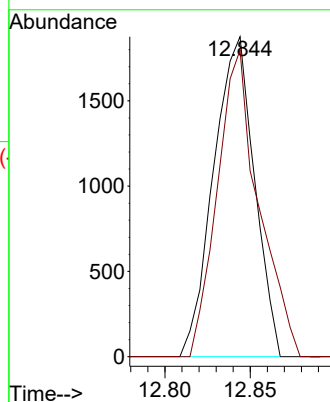
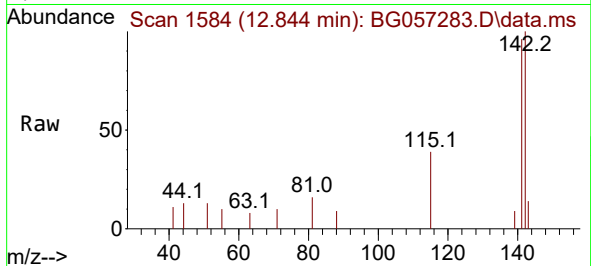




#36
2-Methylnaphthalene
Concen: 1.244 ng/ul
RT: 12.844 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

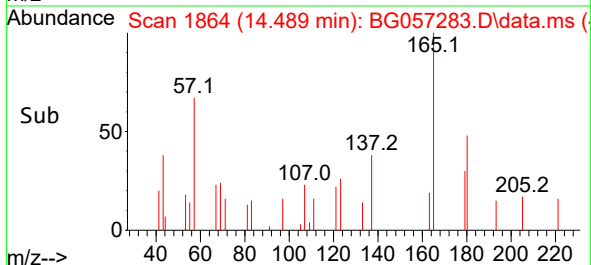
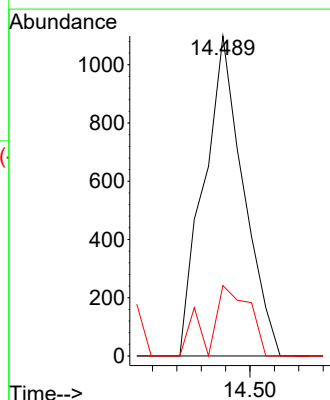
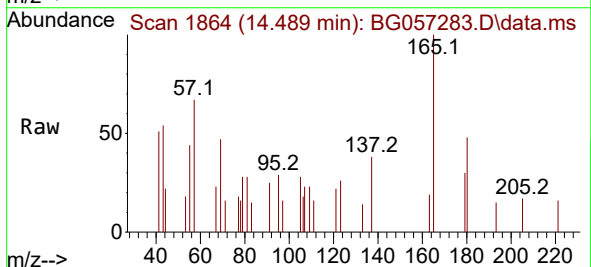
Instrument :
BNA_G
ClientSampleId :
EW921

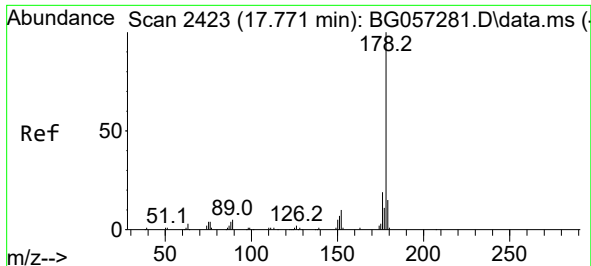
Tgt Ion:142 Resp: 3121
Ion Ratio Lower Upper
142 100
141 95.8 68.7 103.1



#48
2,6-Dinitrotoluene
Concen: 1.688 ng/ul
RT: 14.489 min Scan# 1864
Delta R.T. -0.072 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

Tgt Ion:165 Resp: 1236
Ion Ratio Lower Upper
165 100
89 0.0 50.6 76.0#
121 22.0 16.8 25.2

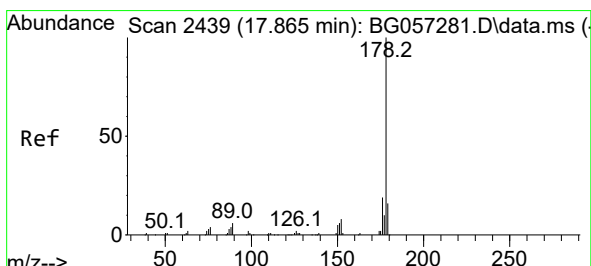
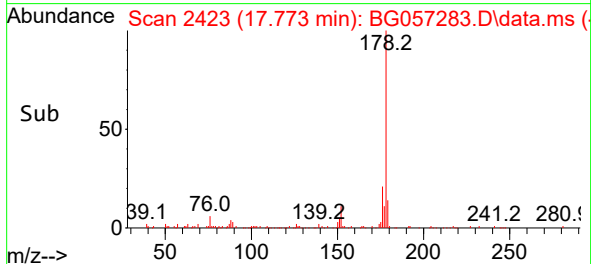
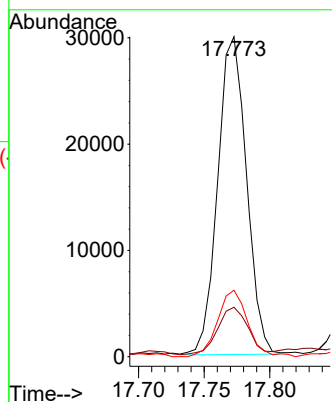
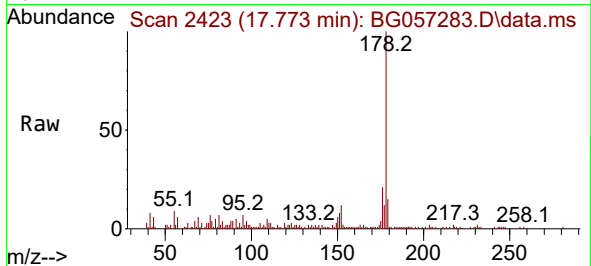




#72
Phenanthrene
Concen: 8.597 ng/ul
RT: 17.773 min Scan# 2423
Delta R.T. -0.002 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

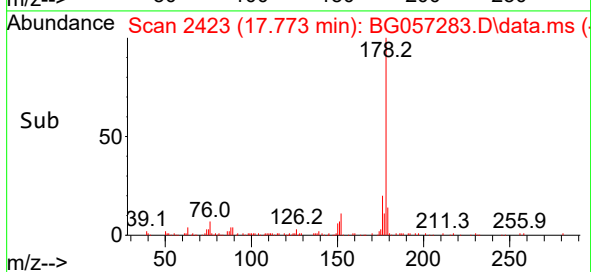
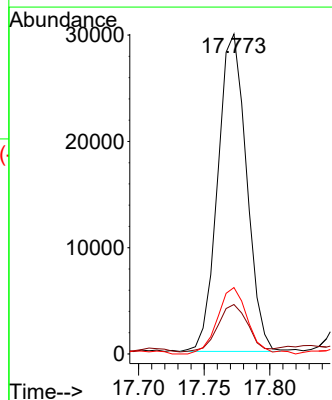
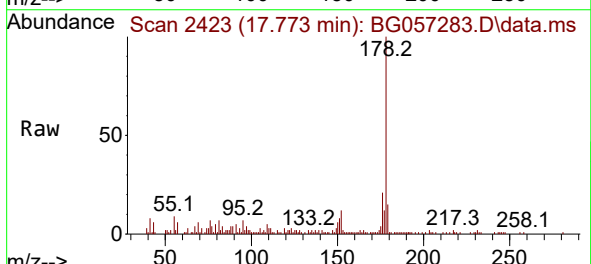
Instrument :
BNA_G
ClientSampleId :
EW921

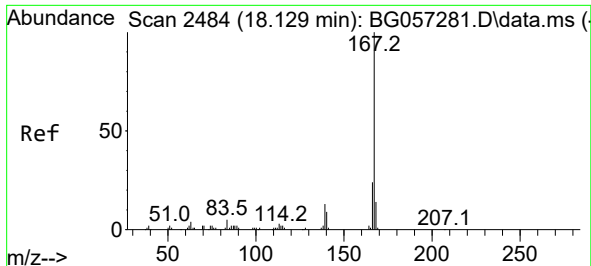
Tgt Ion:178 Resp: 45660
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.8
176 20.8 15.4 23.0



#74
Anthracene
Concen: 8.524 ng/ul
RT: 17.773 min Scan# 2423
Delta R.T. -0.096 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

Tgt Ion:178 Resp: 45477
Ion Ratio Lower Upper
178 100
179 15.4 12.5 18.7
176 20.8 14.7 22.1





#77

Carbazole

Concen: 1.117 ng/ul

RT: 18.125 min Scan# 2483

Delta R.T. -0.008 min

Lab File: BG057283.D

Acq: 3 May 2023 12:29

Instrument :

BNA_G

ClientSampleId :

EW921

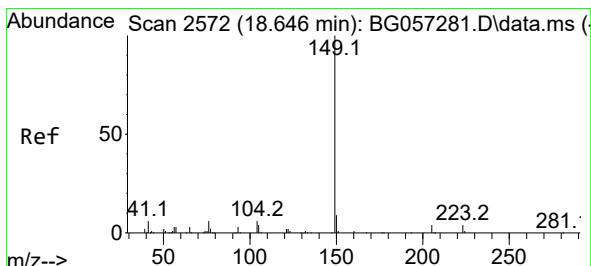
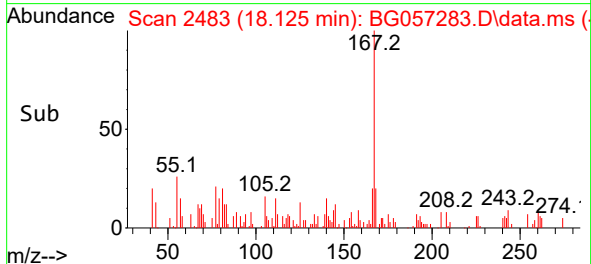
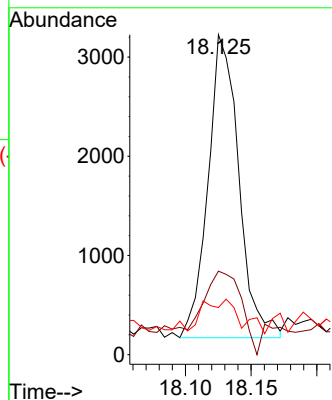
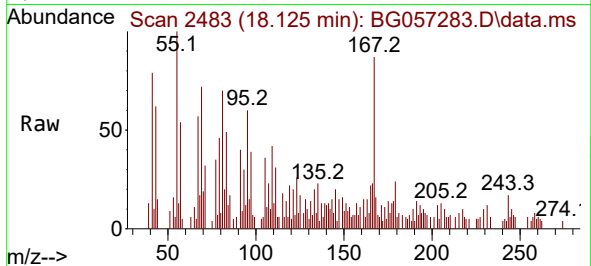
Tgt Ion:167 Resp: 4979

Ion Ratio Lower Upper

167 100

166 26.1 18.0 27.0

139 14.7 10.3 15.5



#78

Di-n-butylphthalate

Concen: 23.217 ng/ul

RT: 18.648 min Scan# 2572

Delta R.T. -0.002 min

Lab File: BG057283.D

Acq: 3 May 2023 12:29

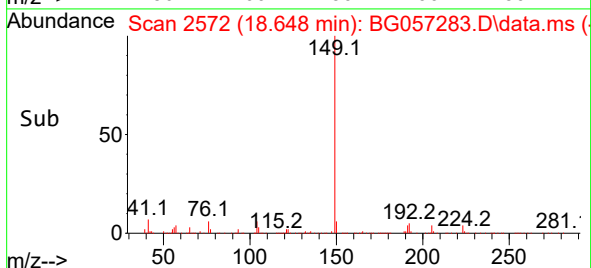
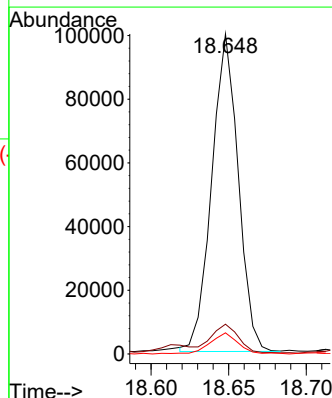
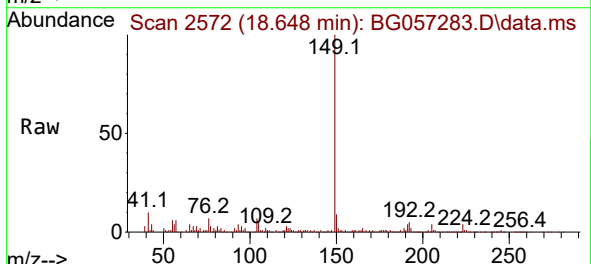
Tgt Ion:149 Resp: 118363

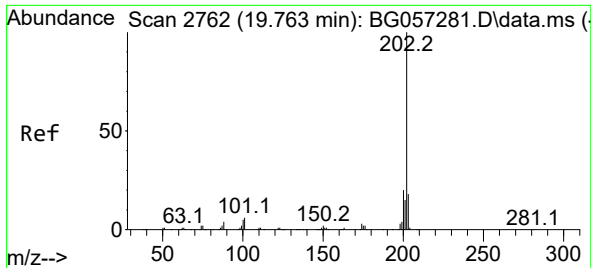
Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 6.6 5.0 7.6

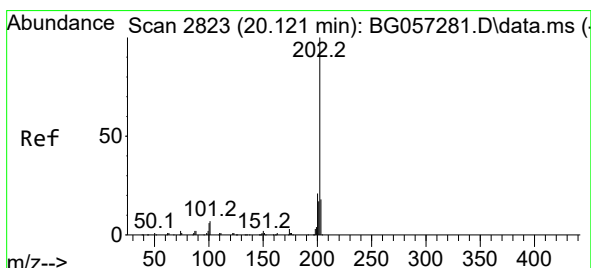
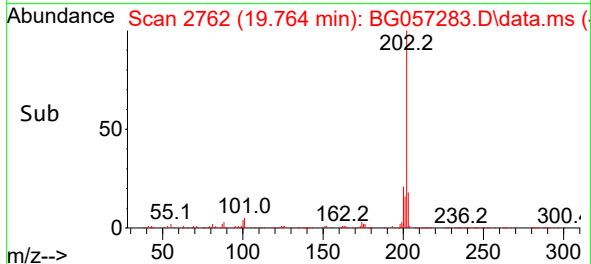
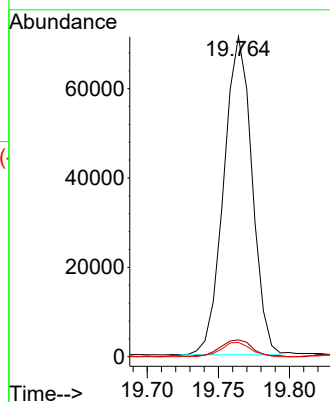
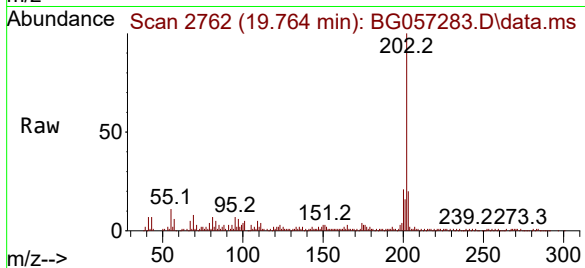




#80
Fluoranthene
Concen: 15.890 ng/ul
RT: 19.764 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

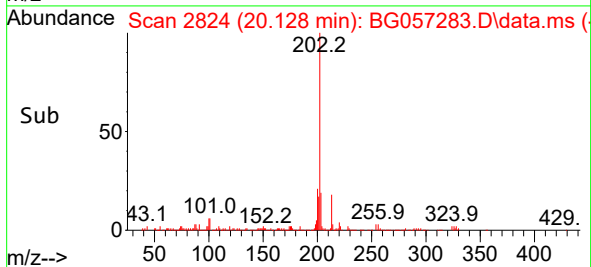
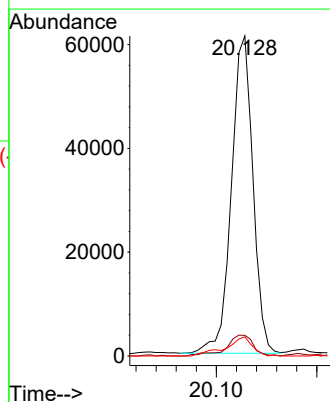
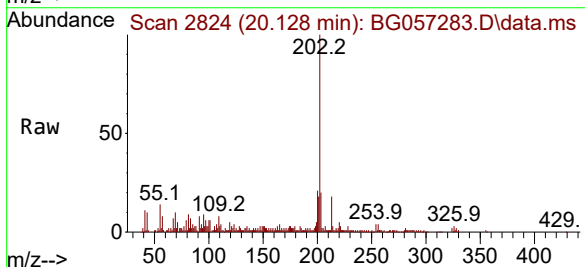
Instrument :
BNA_G
ClientSampleId :
EW921

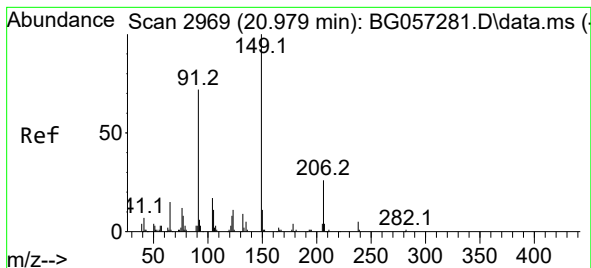
Tgt Ion:202 Resp: 98694
Ion Ratio Lower Upper
202 100
101 5.3 5.8 8.6#
100 4.5 4.6 7.0#



#82
Pyrene
Concen: 14.504 ng/ul
RT: 20.128 min Scan# 2824
Delta R.T. 0.004 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

Tgt Ion:202 Resp: 91198
Ion Ratio Lower Upper
202 100
101 6.5 5.7 8.5
100 6.0 6.0 9.0#





#83

Butylbenzylphthalate

Concen: 14.388 ng/ul

RT: 20.980 min Scan# 2969

Delta R.T. -0.002 min

Lab File: BG057283.D

Acq: 3 May 2023 12:29

Instrument :

BNA_G

ClientSampleId :

EW921

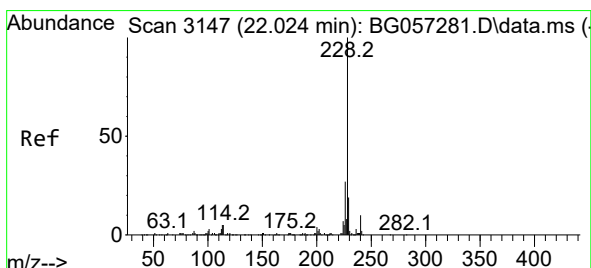
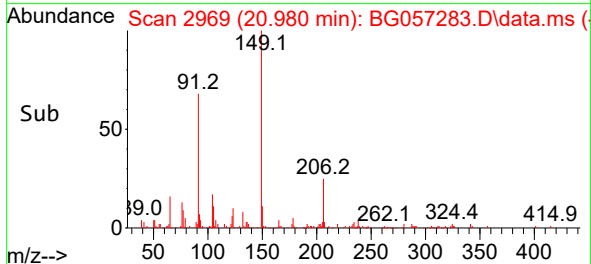
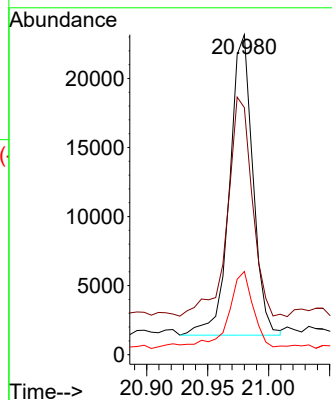
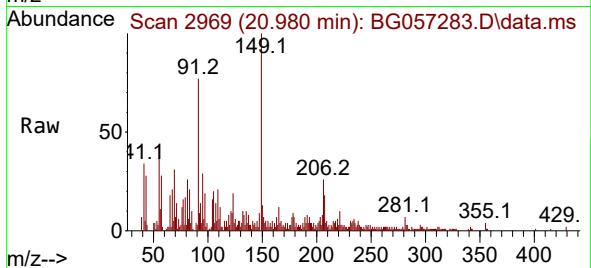
Tgt Ion:149 Resp: 28971

Ion Ratio Lower Upper

149 100

91 77.2 58.6 87.8

206 26.0 19.8 29.8



#85

Benzo(a)anthracene

Concen: 9.330 ng/ul

RT: 22.096 min Scan# 3159

Delta R.T. 0.069 min

Lab File: BG057283.D

Acq: 3 May 2023 12:29

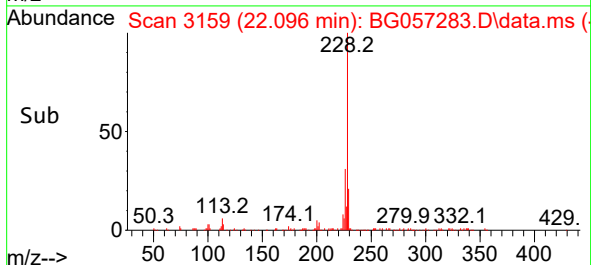
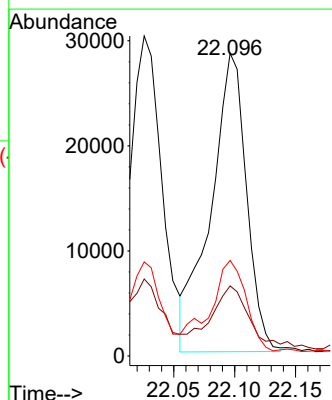
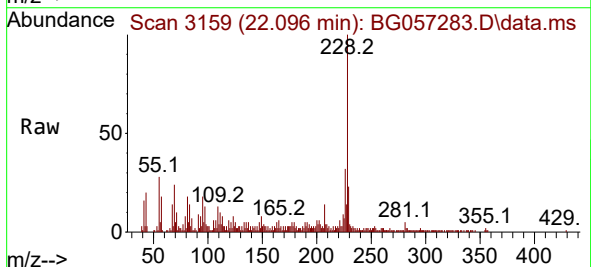
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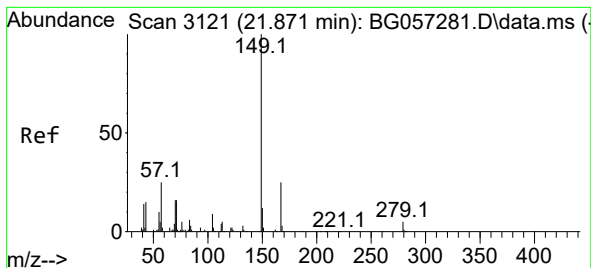
Ion Ratio Lower Upper

228 100

229 23.2 15.8 23.6

226 31.5 21.7 32.5

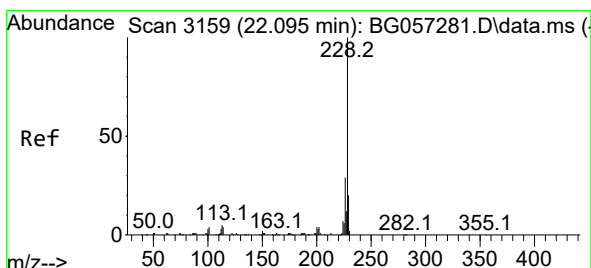
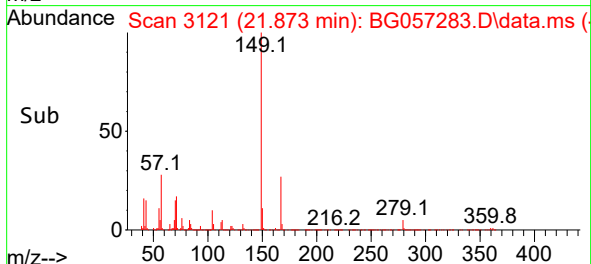
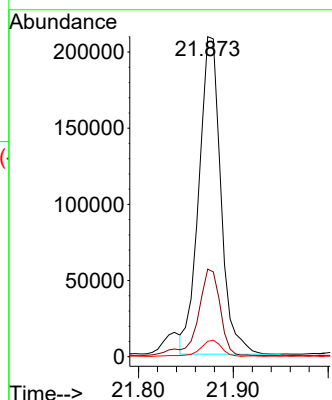
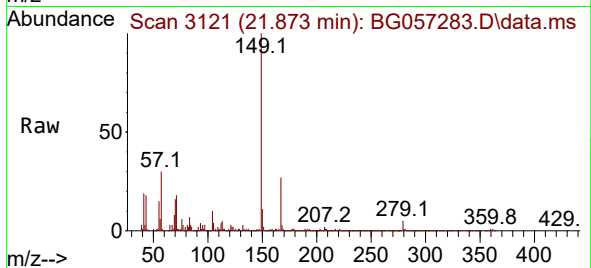




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 114.692 ng/ul
 RT: 21.873 min Scan# 3121
 Delta R.T. -0.002 min
 Lab File: BG057283.D
 Acq: 3 May 2023 12:29

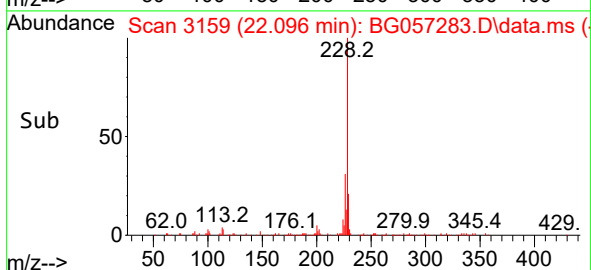
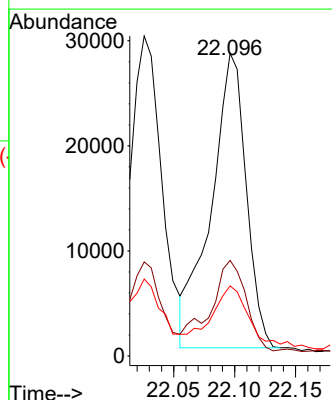
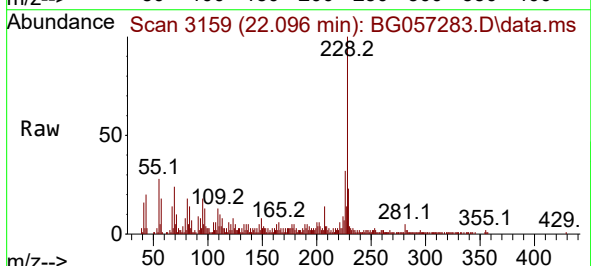
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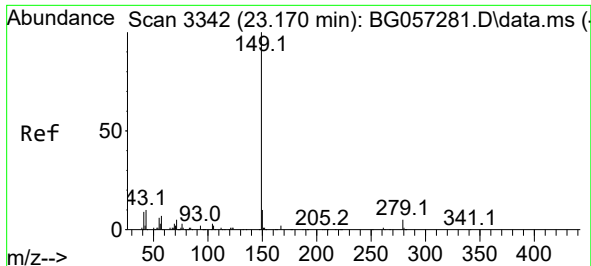
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 Ion Ratio Lower Upper
 149 100
 167 27.3 23.0 34.6
 279 4.8 3.6 5.4



#87
 Chrysene
 Concen: 9.582 ng/ul
 RT: 22.096 min Scan# 3159
 Delta R.T. -0.002 min
 Lab File: BG057283.D
 Acq: 3 May 2023 12:29

Tgt Ion:228 Resp: 56322
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.8 34.2
 229 23.2 15.5 23.3

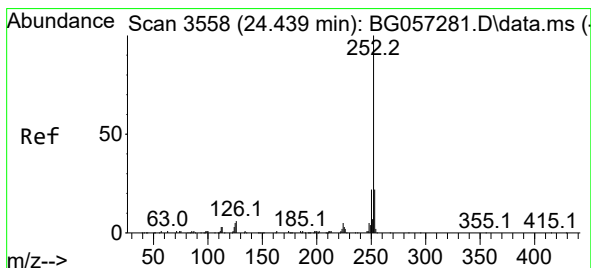
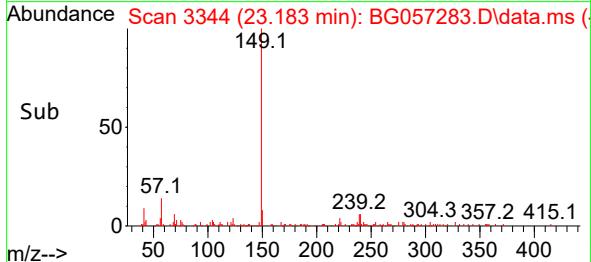
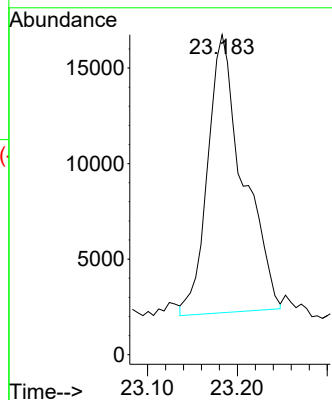
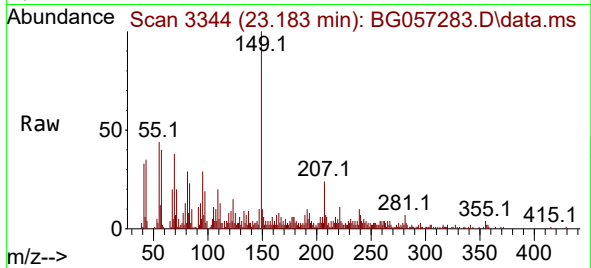




#89
Di-n-octyl phthalate
Concen: 5.064 ng/ul
RT: 23.183 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

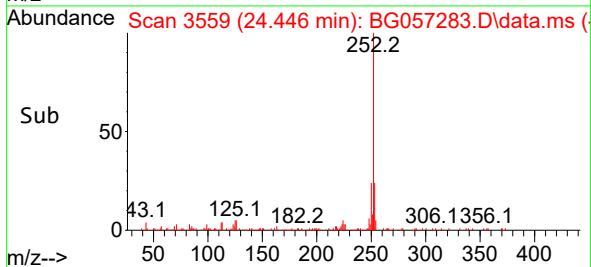
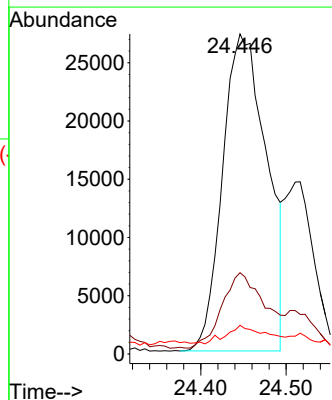
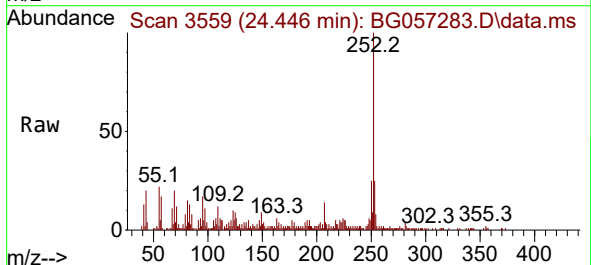
Instrument :
BNA_G
ClientSampleId :
EW921

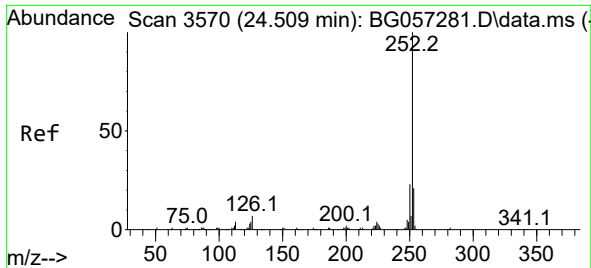
Tgt Ion:149 Resp: 39944



#90
Benzo(b)fluoranthene
Concen: 9.877 ng/ul
RT: 24.446 min Scan# 3559
Delta R.T. 0.010 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

Tgt Ion:252 Resp: 97698
Ion Ratio Lower Upper
252 100
253 25.4 16.7 25.1#
125 8.9 4.8 7.2#

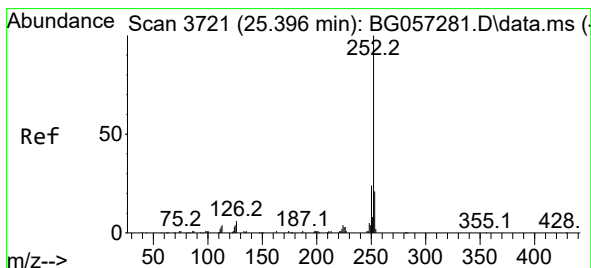
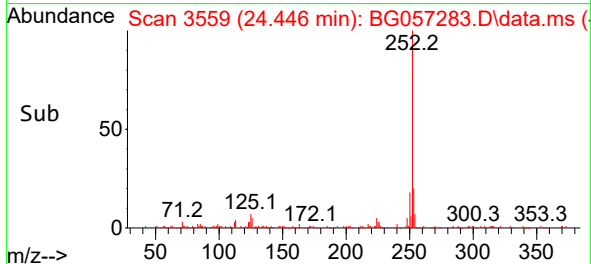
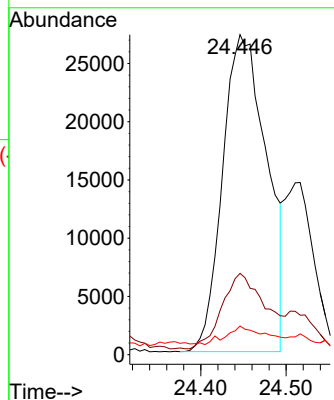
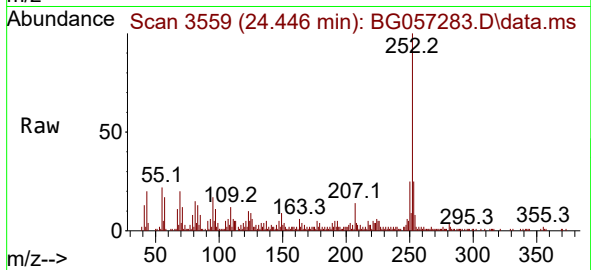




#91
Benzo(k)fluoranthene
Concen: 10.152 ng/ul
RT: 24.446 min Scan# 31
Delta R.T. -0.066 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

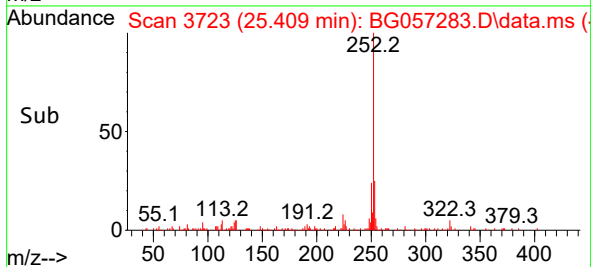
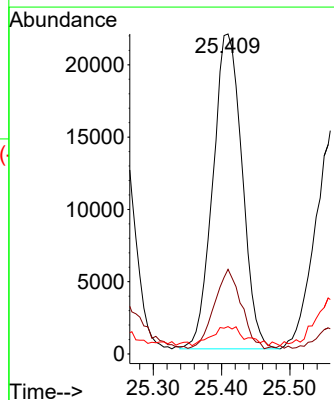
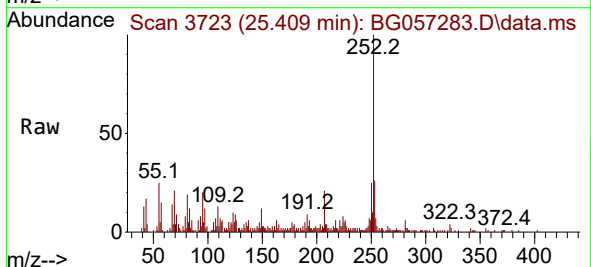
Instrument :
BNA_G
ClientSampleId :
EW921

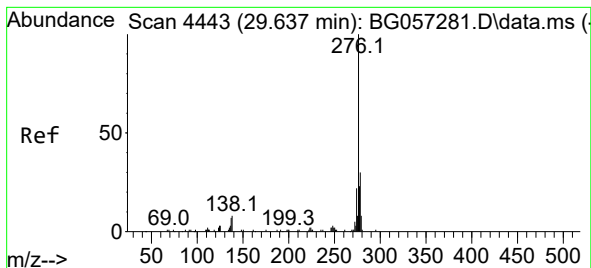
Tgt Ion:252 Resp: 97698
Ion Ratio Lower Upper
252 100
253 25.4 17.7 26.5
125 8.9 4.5 6.7#



#93
Benzo(a)pyrene
Concen: 7.592 ng/ul
RT: 25.409 min Scan# 3723
Delta R.T. 0.010 min
Lab File: BG057283.D
Acq: 3 May 2023 12:29

Tgt Ion:252 Resp: 64835
Ion Ratio Lower Upper
252 100
253 26.4 17.2 25.8#
125 8.6 5.1 7.7#





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.613 ng/ul

RT: 29.645 min Scan# 4444

Delta R.T. 0.022 min

Lab File: BG057283.D

Acq: 3 May 2023 12:29

Instrument :

BNA_G

ClientSampleId :

EW921

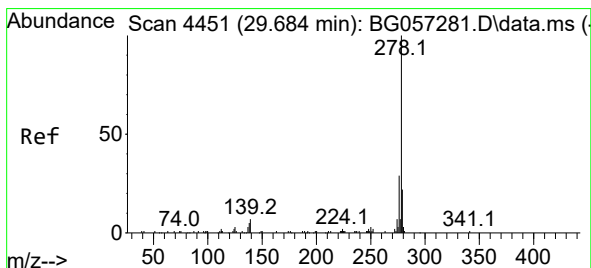
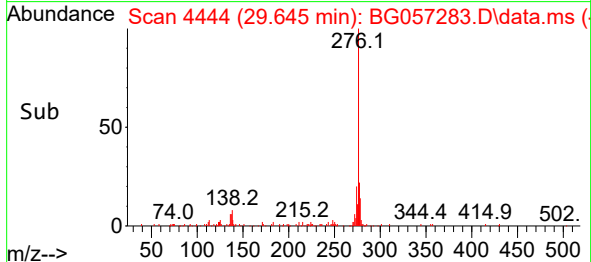
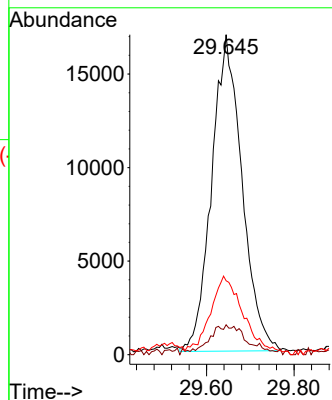
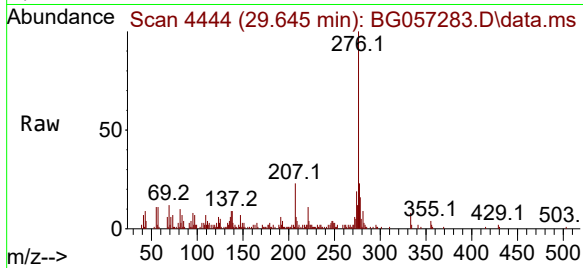
Tgt Ion:276 Resp: 81262

Ion Ratio Lower Upper

276 100

138 9.4 9.4 14.2#

277 23.1 18.6 28.0



#95

Dibenzo(a,h)anthracene

Concen: 1.968 ng/ul

RT: 29.698 min Scan# 4453

Delta R.T. 0.004 min

Lab File: BG057283.D

Acq: 3 May 2023 12:29

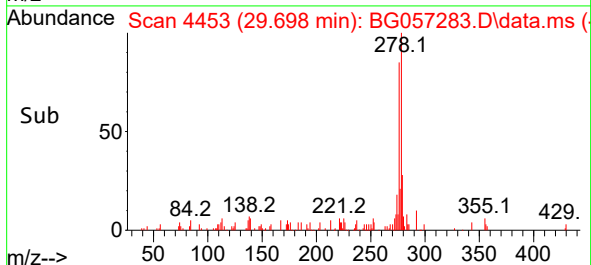
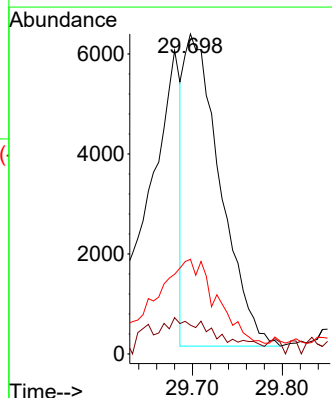
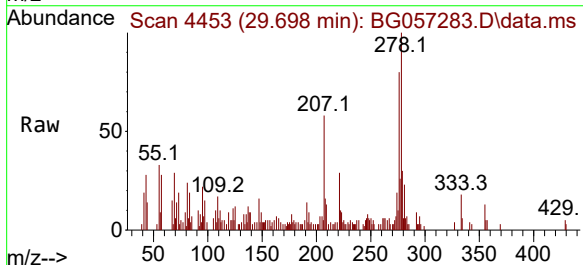
Tgt Ion:278 Resp: 17420

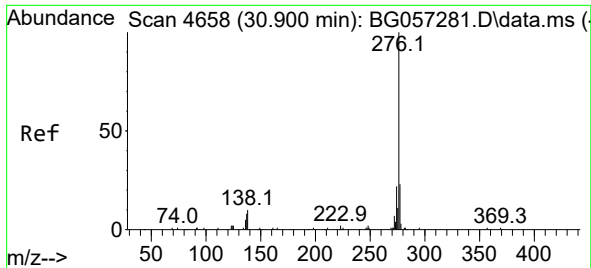
Ion Ratio Lower Upper

278 100

139 9.0 5.8 8.6#

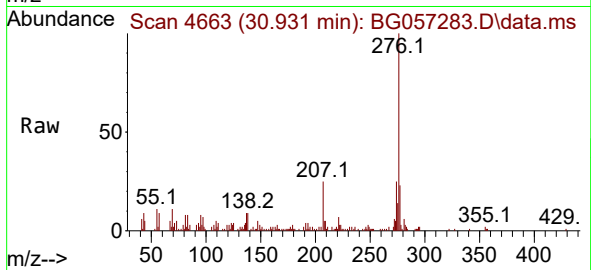
279 29.6 18.3 27.5#





#96
 Benzo(g,h,i)perylene
 Concen: 10.115 ng/ul
 RT: 30.931 min Scan# 4
 Delta R.T. 0.022 min
 Lab File: BG057283.D
 Acq: 3 May 2023 12:29

Instrument :
 BNA_G
 ClientSampleId :
 EW921



Tgt Ion:276 Resp: 87390
 Ion Ratio Lower Upper
 276 100
 138 9.3 8.7 13.1
 277 23.0 18.4 27.6

