

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050323\
 Data File : BG057285.D
 Acq On : 3 May 2023 13:51
 Operator : CG/JU
 Sample : 02419-28
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW925

Quant Time: May 04 01:15:07 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	8.378	152	16247	20.000	ng/ul	0.00
20) Naphthalene-d8	11.215	136	66328	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.987	164	48698	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.730	188	109075	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.054	240	92808	20.000	ng/ul	0.00
88) Perylene-d12	25.596	264	101230	20.000	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.655	96	724	1.961	ng/uL	0.00
4) Pyridine-d5	4.084	84	414	0.356	ng/ul	-0.01
7) Phenol-d5	7.514	99	17909	11.656	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.679	67	10501	11.620	ng/ul	0.00
11) 2-Chlorophenol-d4	7.908	132	13515	13.348	ng/ul	0.00
15) 4-Methylphenol-d8	9.077	113	12388	10.608	ng/ul	0.00
21) Nitrobenzene-d5	9.553	128	6895	13.054	ng/ul	0.00
24) 2-Nitrophenol-d4	10.287	143	8131	13.190	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.828	165	16570	13.932	ng/ul	0.00
31) 4-Chloroaniline-d4	11.345	131	6157	3.906	ng/ul	0.00
46) Dimethylphthalate-d6	14.376	166	57846	14.991	ng/ul	0.00
49) Acenaphthylene-d8	14.687	160	65512	15.106	ng/ul	0.00
54) 4-Nitrophenol-d4	15.181	143	5360	9.543	ng/ul	0.00
60) Fluorene-d10	15.974	176	53823	14.973	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.091	200	5595	8.658	ng/ul	0.00
73) Anthracene-d10	17.730	188	109075	21.908	ng/ul	-0.10
81) Pyrene-d10	20.103	212	93451	16.964	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.349	264	84237	16.333	ng/ul	0.03
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.509	77	803	1.711	ng/ul#	74
8) Phenol	7.550	94	2302	1.486	ng/ul#	89
16) Acetophenone	9.206	105	15564	7.745	ng/ul	95
30) Naphthalene	11.268	128	4390	1.205	ng/ul	99
36) 2-Methylnaphthalene	12.843	142	4031	1.509	ng/ul	95
56) Dibenzofuran	15.380	168	4723	1.042	ng/ul	97
72) Phenanthrene	17.771	178	66983	11.793	ng/ul	97
74) Anthracene	17.865	178	13333	2.337	ng/ul	97
77) Carbazole	18.129	167	8306	1.742	ng/ul#	96
78) Di-n-butylphthalate	18.652	149	36724	6.735	ng/ul#	93
80) Fluoranthene	19.768	202	199621	30.505	ng/ul#	96
82) Pyrene	20.133	202	199424	30.104	ng/ul#	96
83) Butylbenzylphthalate	20.979	149	44257	20.861	ng/ul	88
85) Benzo(a)anthracene	22.030	228	147504	22.472	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.877	149	368930	119.569	ng/ul	96
87) Chrysene	22.106	228	160337	25.891	ng/ul	91
89) Di-n-octyl phthalate	23.193	149	43733	7.823	ng/ul	100
90) Benzo(b)fluoranthene	24.462	252	283332	40.418	ng/ul	95
91) Benzo(k)fluoranthene	24.462	252	283332	41.544	ng/ul	97
93) Benzo(a)pyrene	25.431	252	187623	31.002	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	29.679	276	180675	23.882	ng/ul#	94
96) Benzo(g,h,i)perylene	30.983	276	201169	32.857	ng/ul	98

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Response via : Initial Calibration

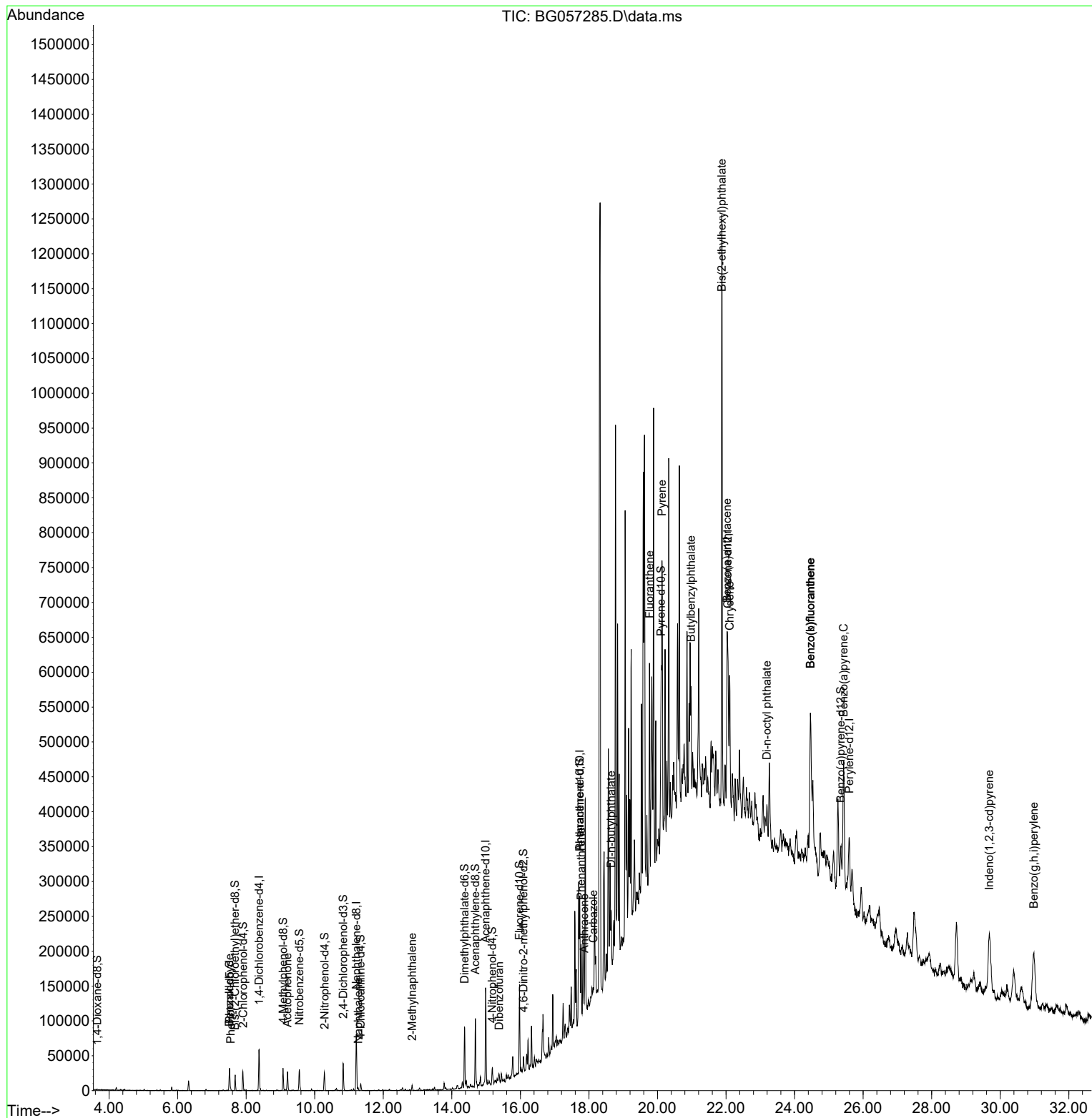
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

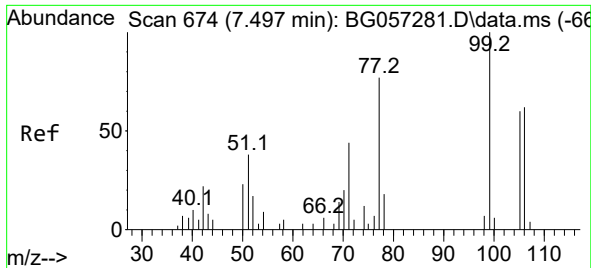
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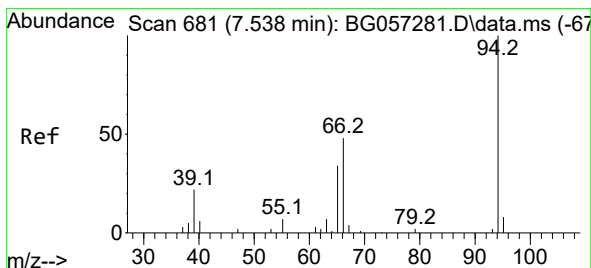
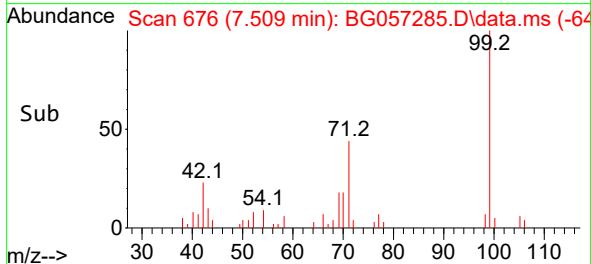
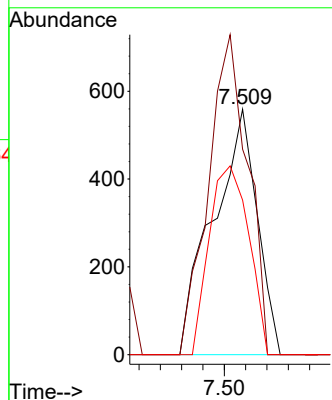
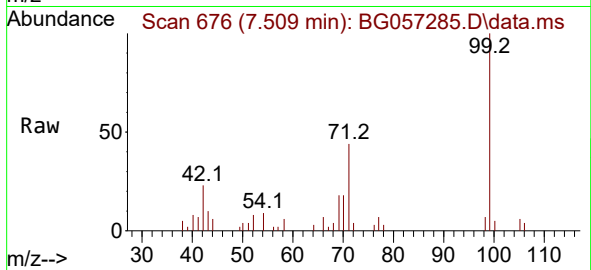




#6
Benzaldehyde
Concen: 1.711 ng/ul
RT: 7.509 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

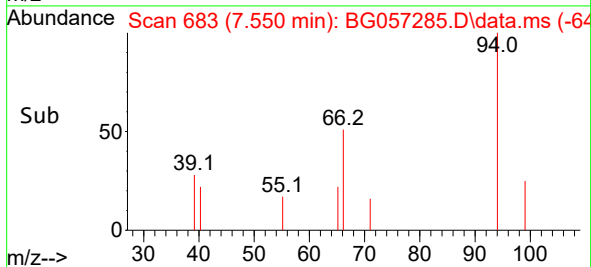
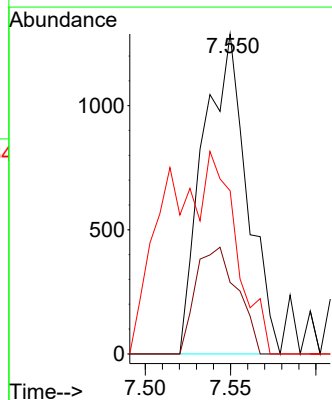
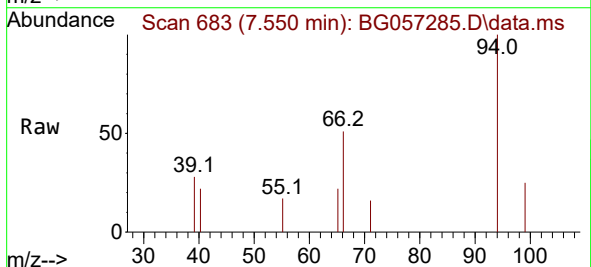
Instrument :
BNA_G
ClientSampleId :
EW925

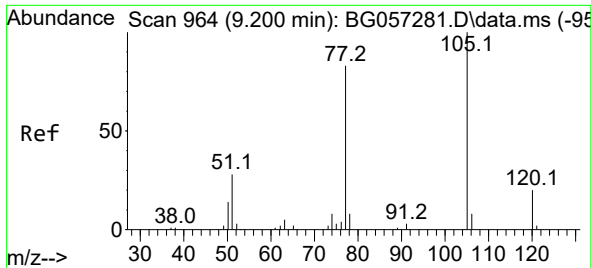
Tgt Ion: 77 Resp: 803
Ion Ratio Lower Upper
77 100
105 83.7 79.8 119.6
106 63.0 78.7 118.1#



#8
Phenol
Concen: 1.486 ng/ul
RT: 7.550 min Scan# 683
Delta R.T. 0.009 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Tgt Ion: 94 Resp: 2302
Ion Ratio Lower Upper
94 100
65 22.3 25.5 38.3#
66 51.0 36.9 55.3

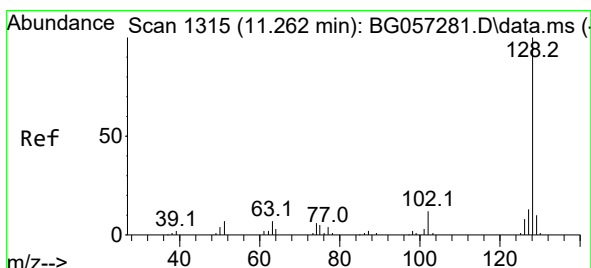
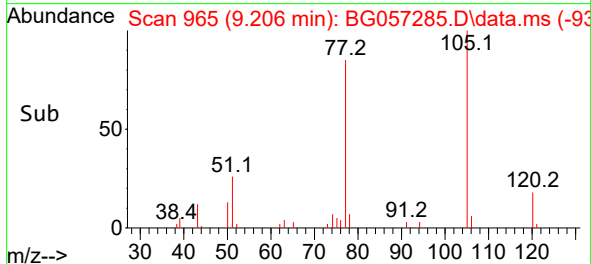
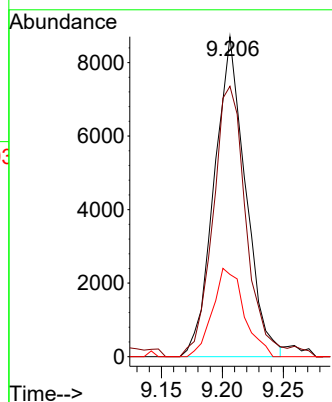
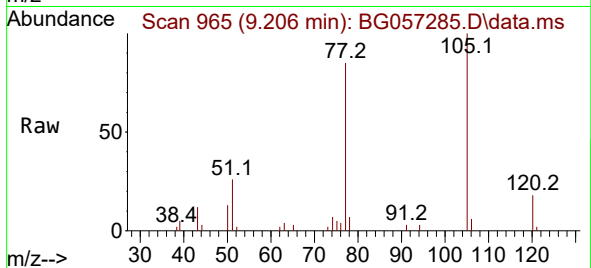




#16
Acetophenone
Concen: 7.745 ng/ul
RT: 9.206 min Scan# 916
Delta R.T. -0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

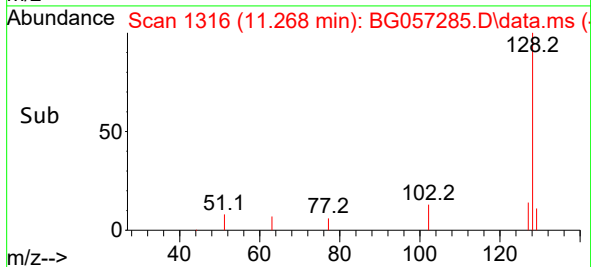
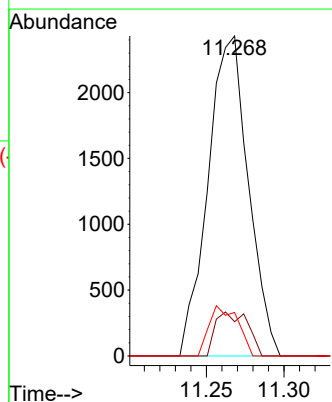
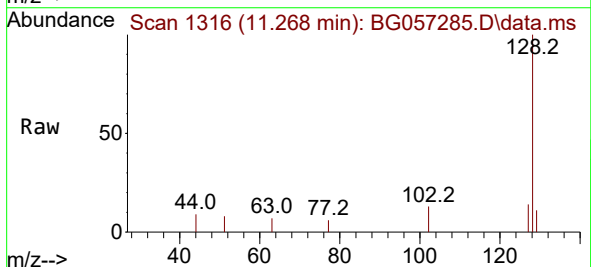
Instrument :
BNA_G
ClientSampleId :
EW925

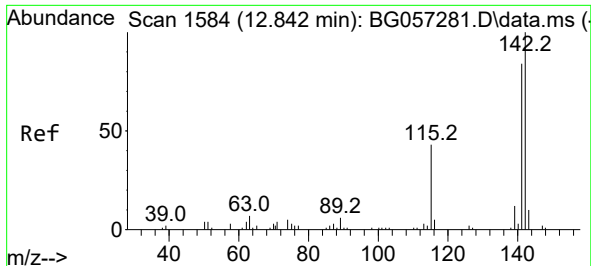
Tgt Ion:105 Resp: 15564
Ion Ratio Lower Upper
105 100
77 84.5 70.6 105.8
51 25.7 24.5 36.7



#30
Naphthalene
Concen: 1.205 ng/ul
RT: 11.268 min Scan# 1316
Delta R.T. -0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Tgt Ion:128 Resp: 4390
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 13.6 11.4 17.0

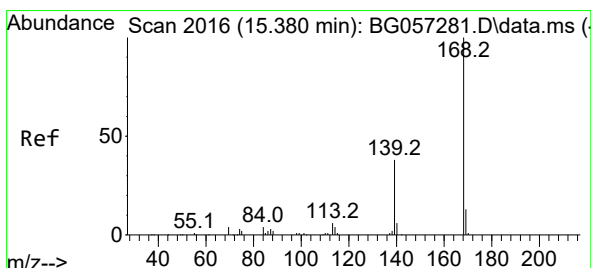
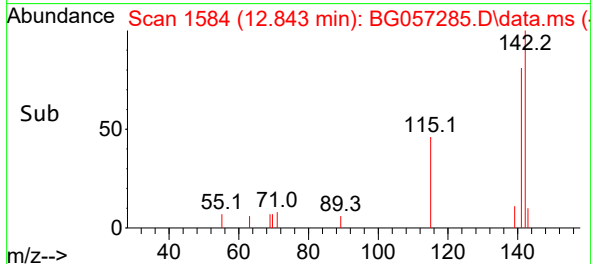
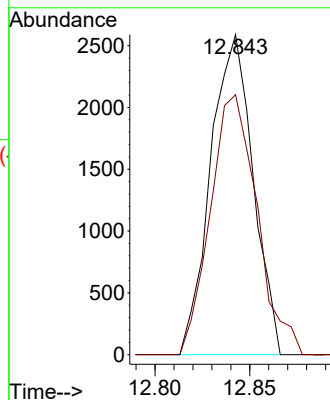
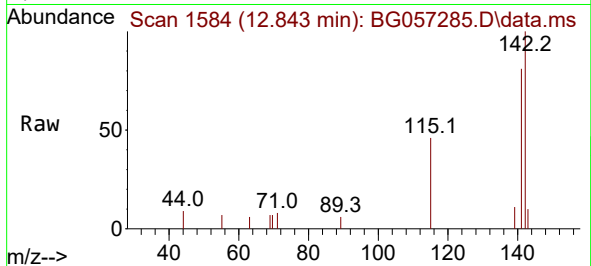




#36
2-Methylnaphthalene
Concen: 1.509 ng/ul
RT: 12.843 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057285.D
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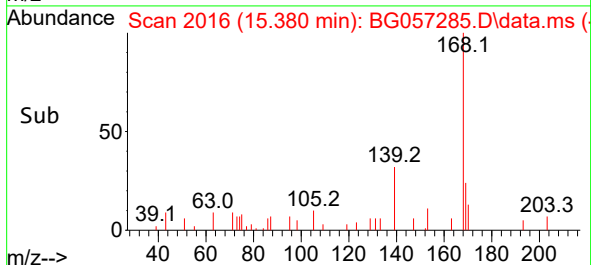
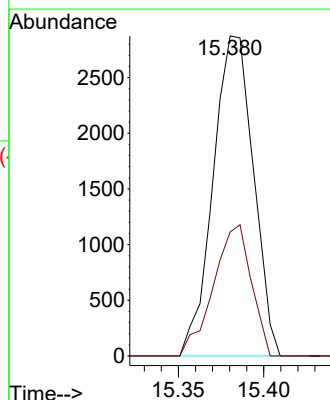
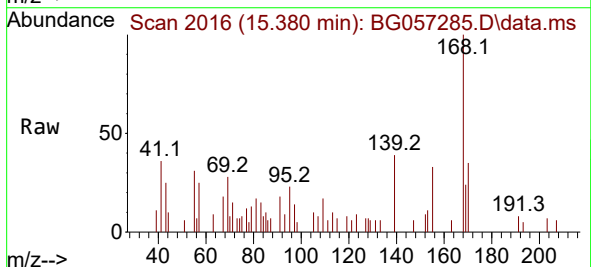
Instrument :
BNA_G
ClientSampleId :
EW925

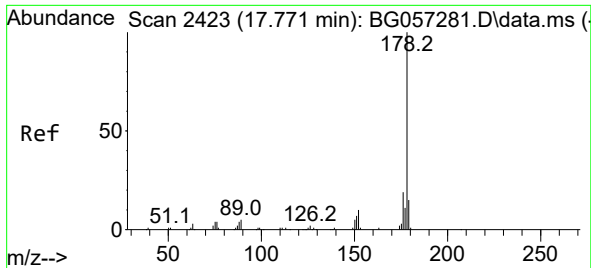
Tgt Ion:142 Resp: 4031
Ion Ratio Lower Upper
142 100
141 81.2 68.7 103.1



#56
Dibenzofuran
Concen: 1.042 ng/ul
RT: 15.380 min Scan# 2016
Delta R.T. -0.009 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Tgt Ion:168 Resp: 4723
Ion Ratio Lower Upper
168 100
139 38.7 29.6 44.4

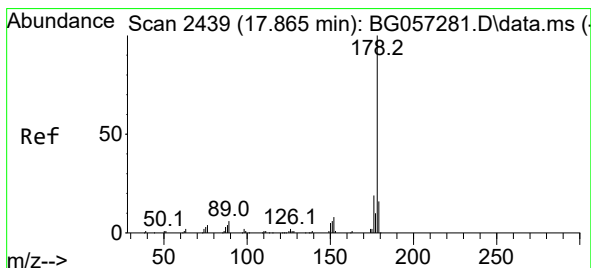
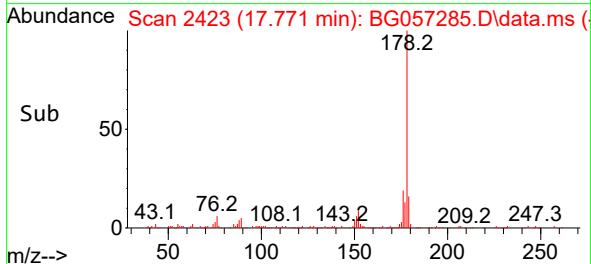
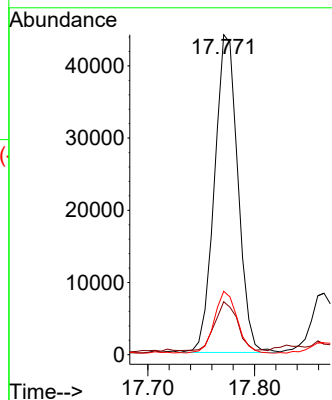
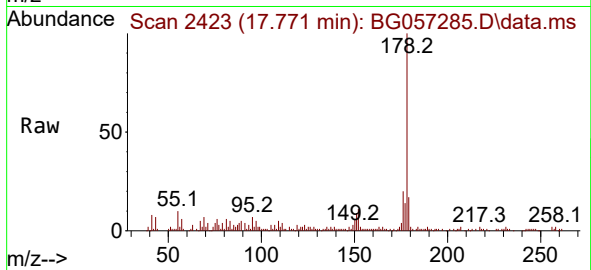




#72
Phenanthrene
Concen: 11.793 ng/ul
RT: 17.771 min Scan# 2423
Delta R.T. -0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

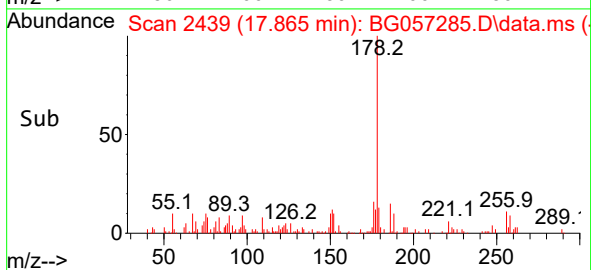
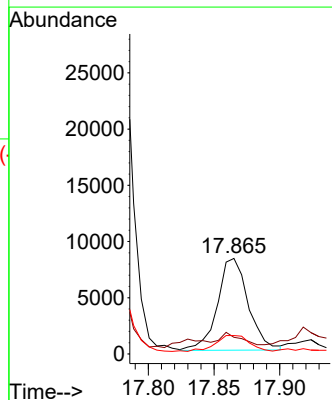
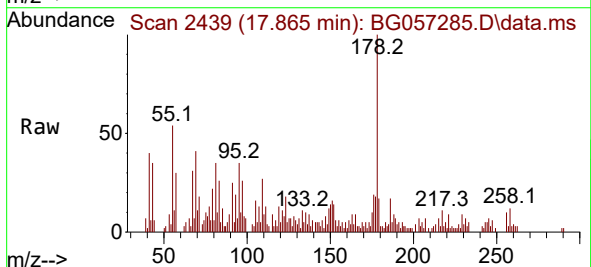
Instrument :
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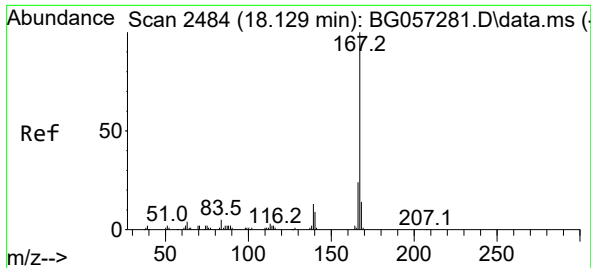
Tgt Ion:178 Resp: 66983
Ion Ratio Lower Upper
178 100
179 16.5 11.8 17.8
176 19.8 15.4 23.0



#74
Anthracene
Concen: 2.337 ng/ul
RT: 17.865 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Tgt Ion:178 Resp: 13333
Ion Ratio Lower Upper
178 100
179 17.3 12.5 18.7
176 19.3 14.7 22.1

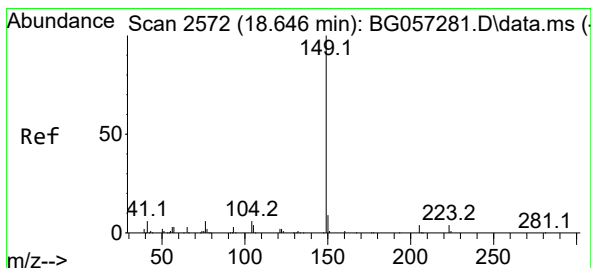
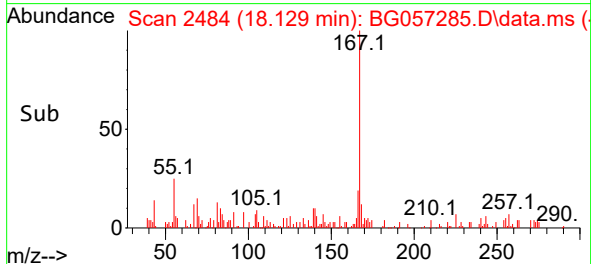
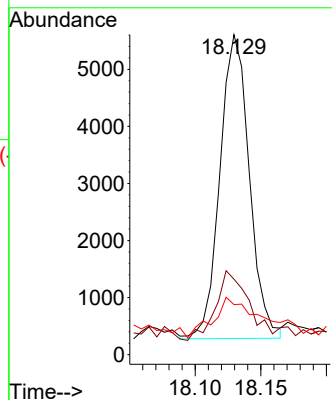
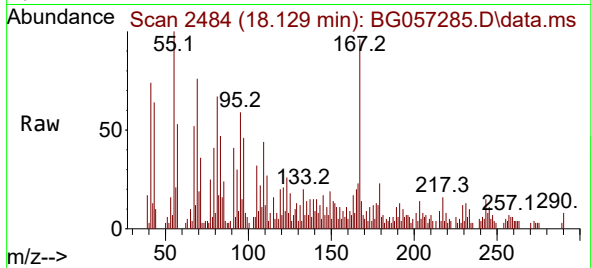




#77
 Carbazole
 Concen: 1.742 ng/ul
 RT: 18.129 min Scan# 2484
 Delta R.T. -0.003 min
 Lab File: BG057285.D
 Acq: 3 May 2023 13:51

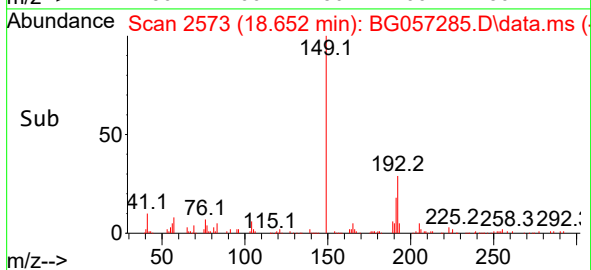
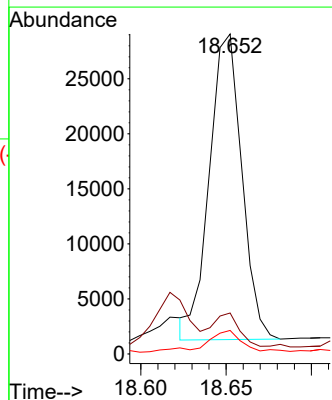
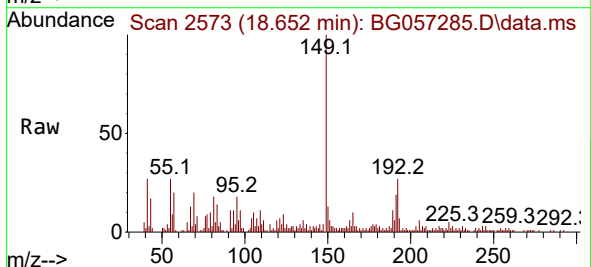
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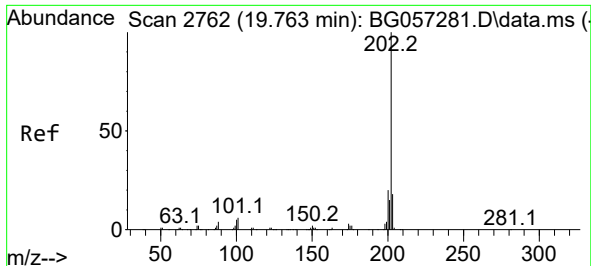
Tgt Ion:167 Resp: 8306
 Ion Ratio Lower Upper
 167 100
 166 23.6 18.0 27.0
 139 15.7 10.3 15.5#



#78
 Di-n-butylphthalate
 Concen: 6.735 ng/ul
 RT: 18.652 min Scan# 2573
 Delta R.T. 0.003 min
 Lab File: BG057285.D
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Tgt Ion:149 Resp: 36724
 Ion Ratio Lower Upper
 149 100
 150 12.8 7.3 10.9#
 104 7.3 5.0 7.6

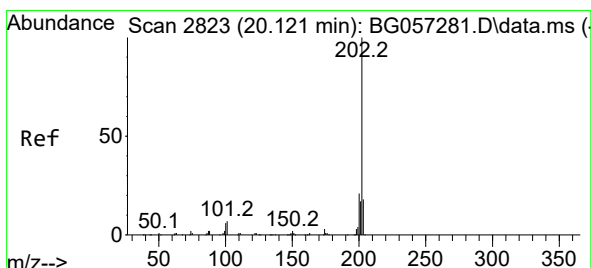
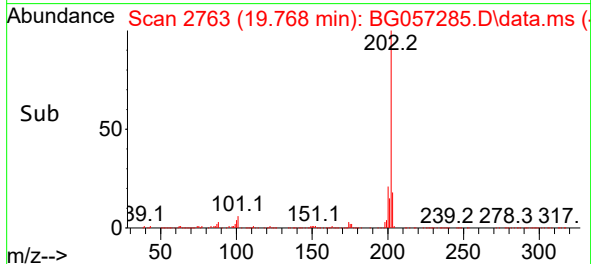
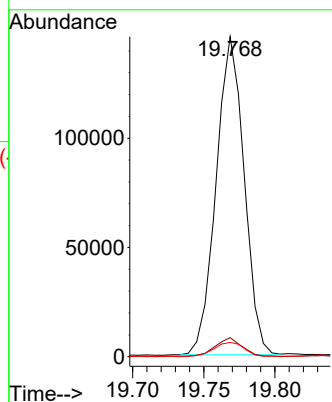
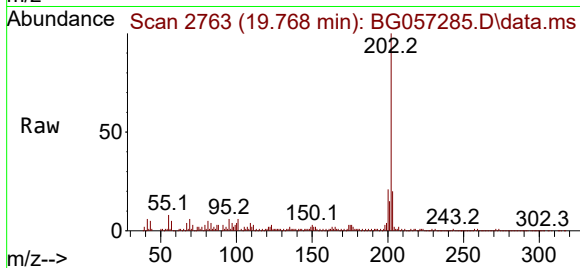




#80
Fluoranthene
Concen: 30.505 ng/u1
RT: 19.768 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

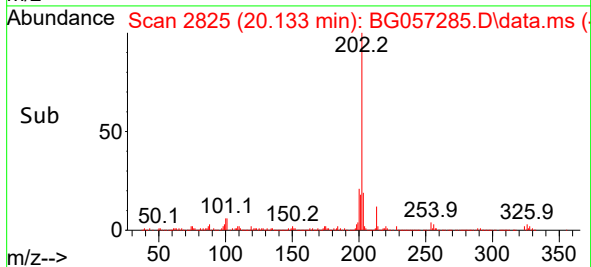
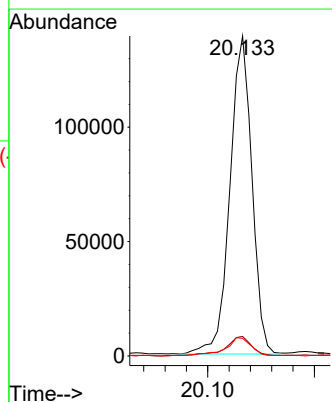
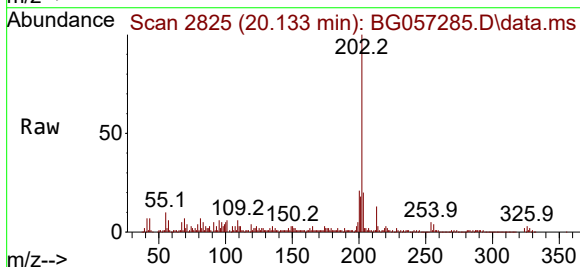
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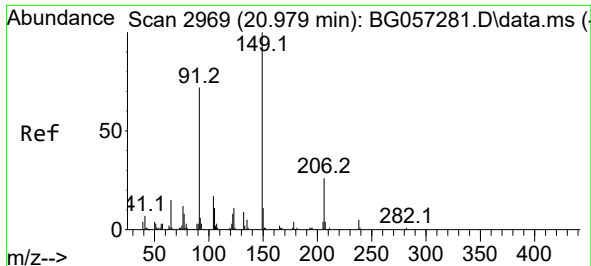
Tgt Ion:202 Resp: 199621
Ion Ratio Lower Upper
202 100
101 5.9 5.8 8.6
100 4.5 4.6 7.0#



#82
Pyrene
Concen: 30.104 ng/u1
RT: 20.133 min Scan# 2825
Delta R.T. 0.009 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Tgt Ion:202 Resp: 199424
Ion Ratio Lower Upper
202 100
101 6.1 5.7 8.5
100 5.5 6.0 9.0#

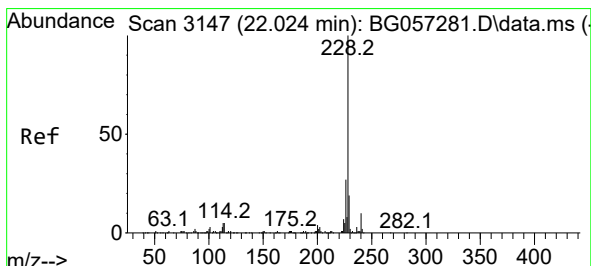
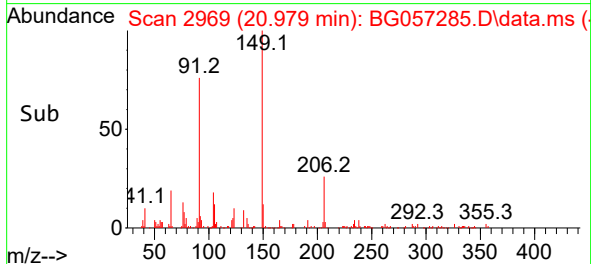
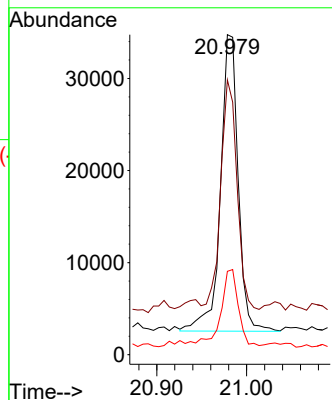
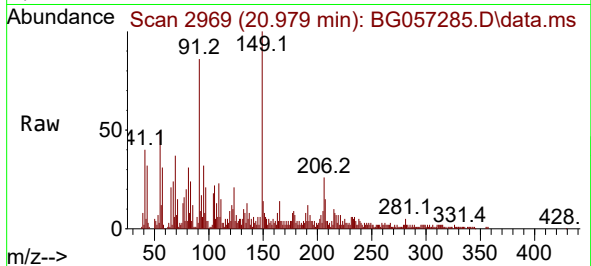




#83
Butylbenzylphthalate
Concen: 20.861 ng/ul
RT: 20.979 min Scan# 2969
Delta R.T. -0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

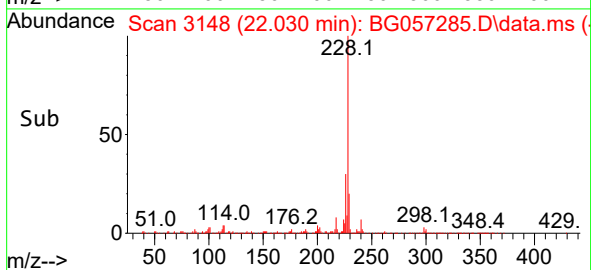
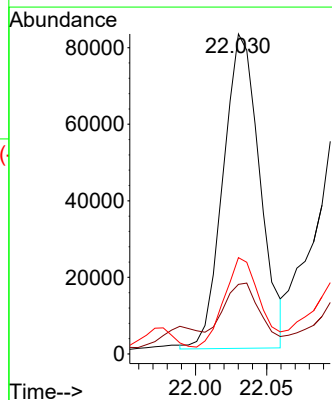
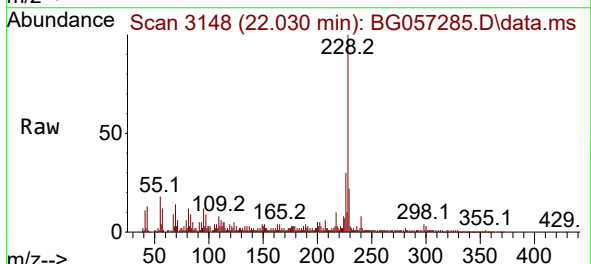
Instrument :
BNA_G
ClientSampleId :
EW925

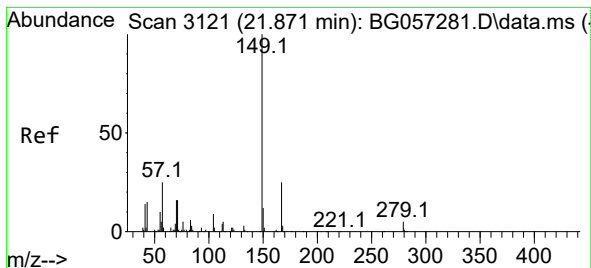
Tgt Ion:149 Resp: 44257
Ion Ratio Lower Upper
149 100
91 85.8 58.6 87.8
206 26.0 19.8 29.8



#85
Benzo(a)anthracene
Concen: 22.472 ng/ul
RT: 22.030 min Scan# 3148
Delta R.T. 0.003 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Tgt Ion:228 Resp: 147504
Ion Ratio Lower Upper
228 100
229 21.8 15.8 23.6
226 30.1 21.7 32.5

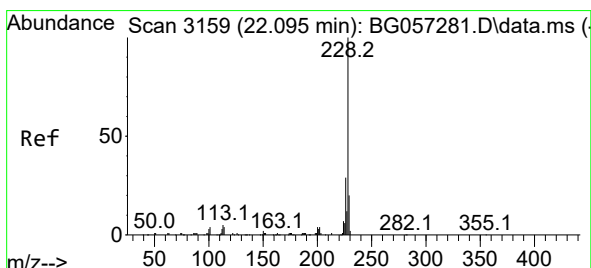
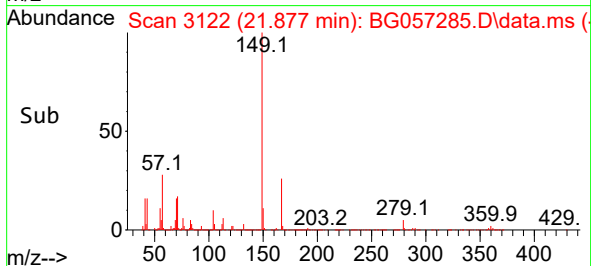
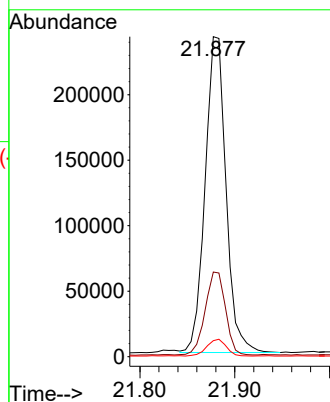
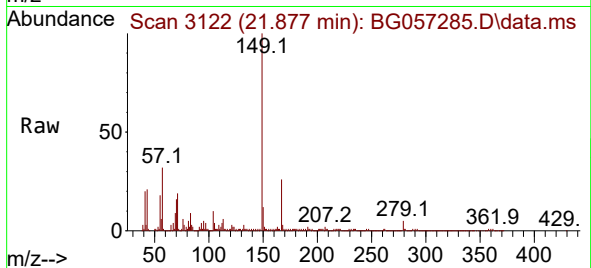




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 119.569 ng/ul
 RT: 21.877 min Scan# 3121
 Delta R.T. 0.003 min
 Lab File: BG057285.D
 Acq: 3 May 2023 13:51

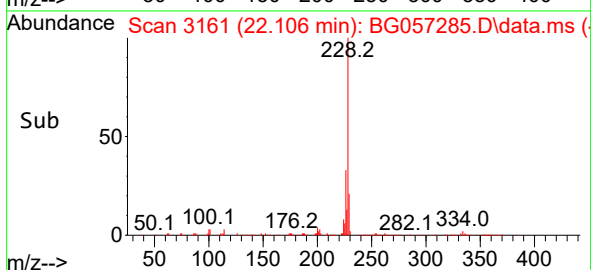
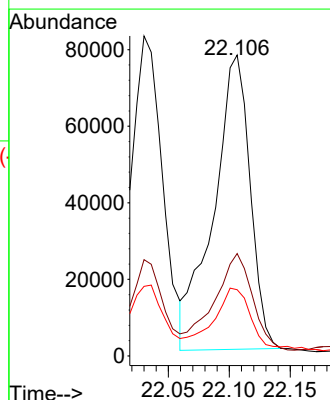
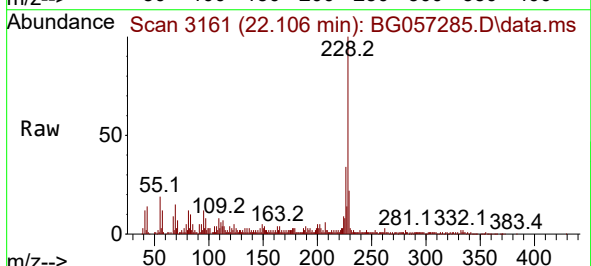
Instrument :
 BNA_G
 ClientSampleId :
 EW925

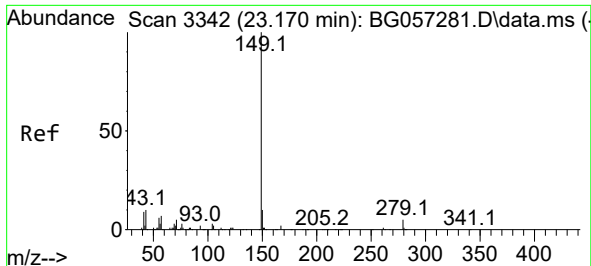
Tgt Ion:149 Resp: 368930
 Ion Ratio Lower Upper
 149 100
 167 26.5 23.0 34.6
 279 5.0 3.6 5.4



#87
 Chrysene
 Concen: 25.891 ng/ul
 RT: 22.106 min Scan# 3161
 Delta R.T. 0.009 min
 Lab File: BG057285.D
 Acq: 3 May 2023 13:51

Tgt Ion:228 Resp: 160337
 Ion Ratio Lower Upper
 228 100
 226 34.1 22.8 34.2
 229 22.0 15.5 23.3

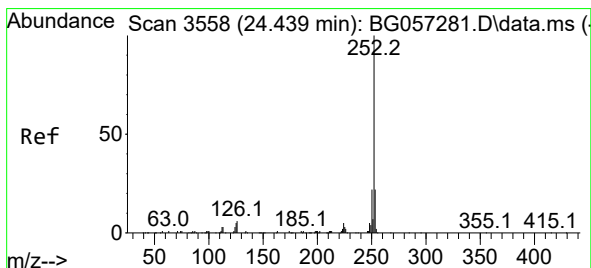
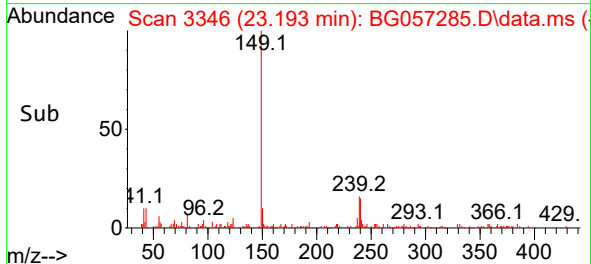
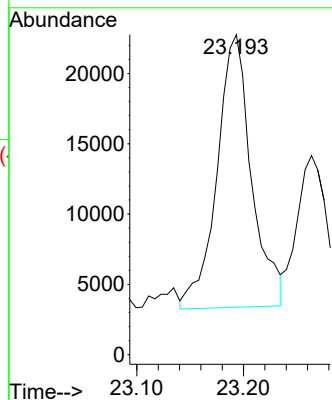
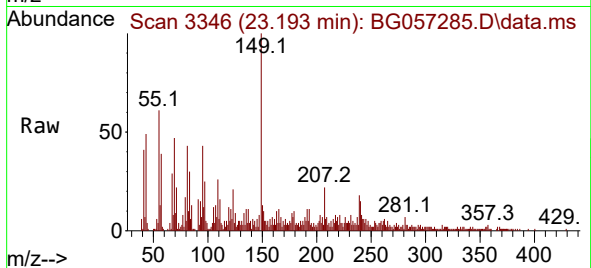




#89
Di-n-octyl phthalate
Concen: 7.823 ng/ul
RT: 23.193 min Scan# 31
Delta R.T. 0.014 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

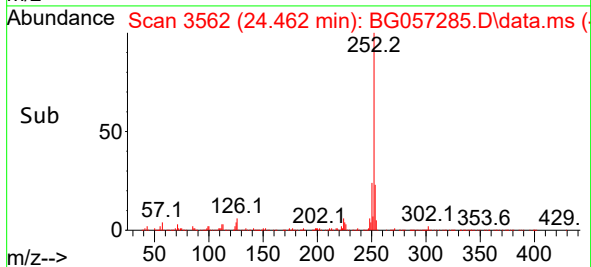
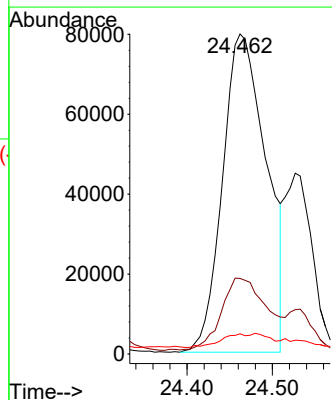
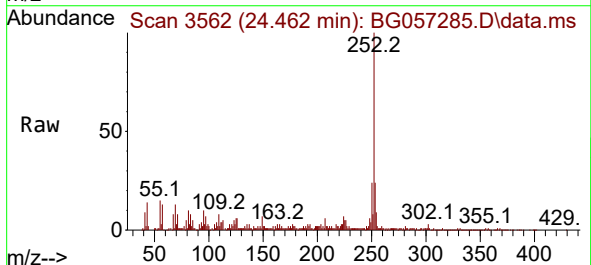
Instrument :
BNA_G
ClientSampleId :
EW925

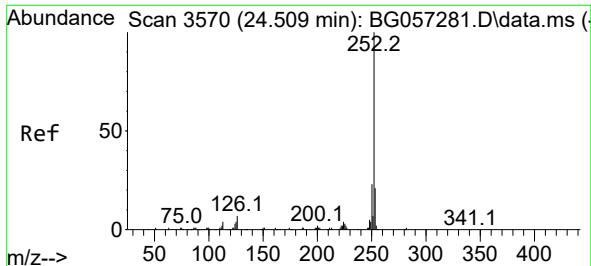
Tgt Ion:149 Resp: 43733



#90
Benzo(b)fluoranthene
Concen: 40.418 ng/ul
RT: 24.462 min Scan# 3562
Delta R.T. 0.026 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Tgt Ion:252 Resp: 283332
Ion Ratio Lower Upper
252 100
253 23.6 16.7 25.1
125 6.3 4.8 7.2

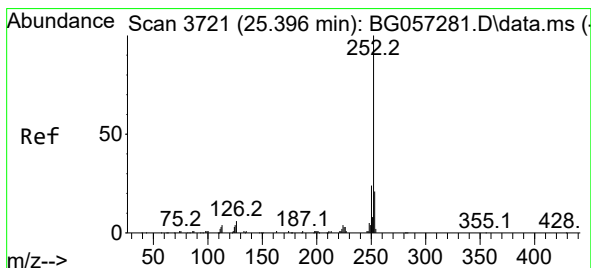
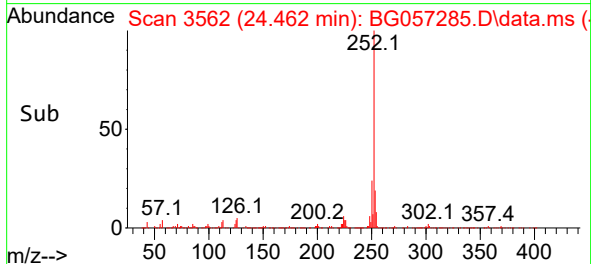
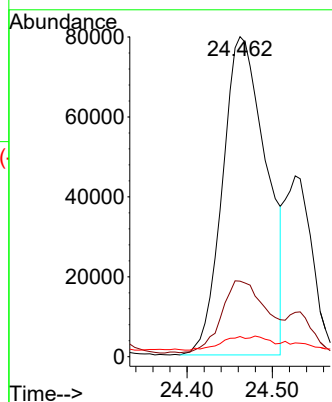
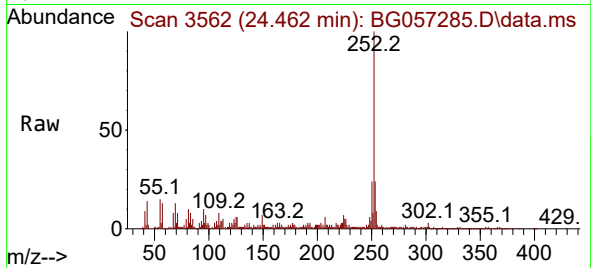




#91
Benzo(k)fluoranthene
Concen: 41.544 ng/u1
RT: 24.462 min Scan# 31
Delta R.T. -0.050 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

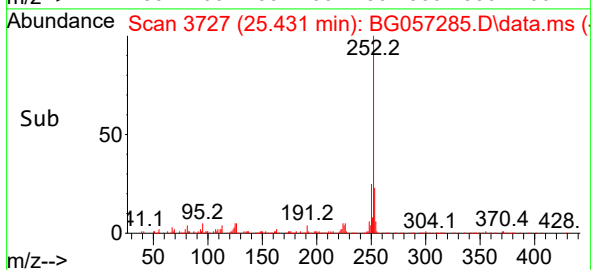
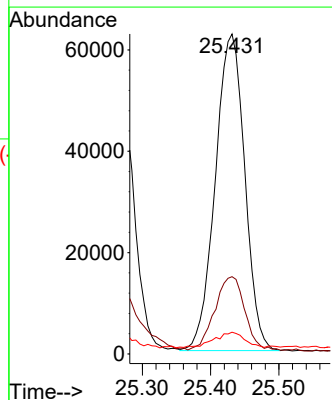
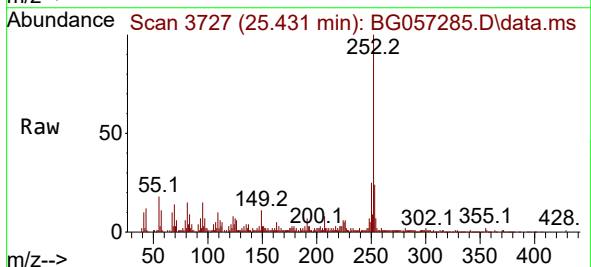
Instrument :
BNA_G
ClientSampleId :
EW925

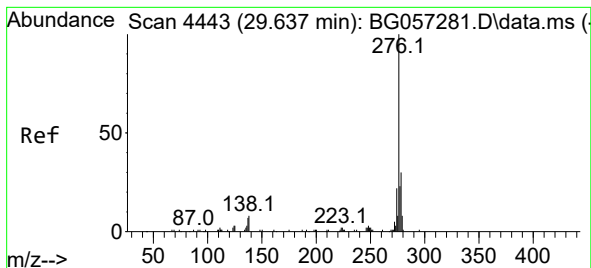
Tgt Ion:252 Resp: 283332
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 6.3 4.5 6.7



#93
Benzo(a)pyrene
Concen: 31.002 ng/u1
RT: 25.431 min Scan# 3727
Delta R.T. 0.032 min
Lab File: BG057285.D
Acq: 3 May 2023 13:51

Tgt Ion:252 Resp: 187623
Ion Ratio Lower Upper
252 100
253 24.2 17.2 25.8
125 6.8 5.1 7.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 23.882 ng/ul

RT: 29.679 min Scan# 4443

Delta R.T. 0.056 min

Lab File: BG057285.D

Acq: 3 May 2023 13:51

Instrument :

BNA_G

ClientSampleId :

EW925

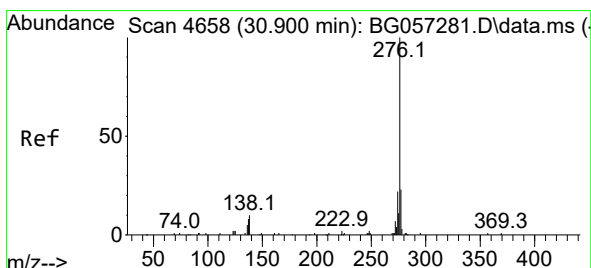
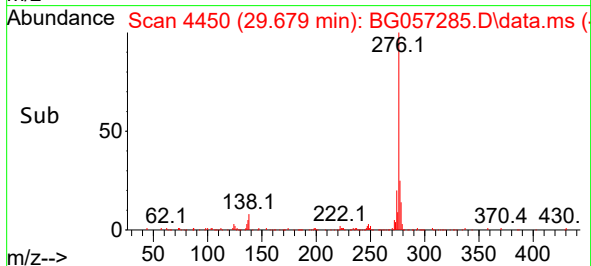
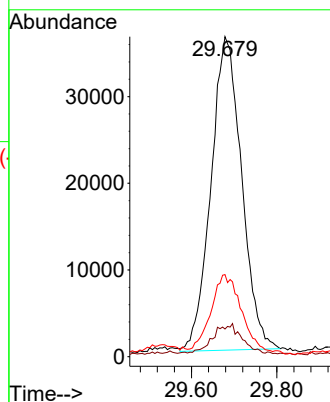
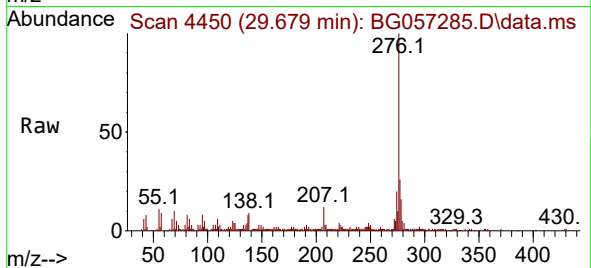
Tgt Ion:276 Resp: 180675

Ion Ratio Lower Upper

276 100

138 8.7 9.4 14.2#

277 25.6 18.6 28.0



#96

Benzo(g,h,i)perylene

Concen: 32.857 ng/ul

RT: 30.983 min Scan# 4672

Delta R.T. 0.073 min

Lab File: BG057285.D

Acq: 3 May 2023 13:51

Tgt Ion:276 Resp: 201169

Ion Ratio Lower Upper

276 100

138 8.9 8.7 13.1

277 23.2 18.4 27.6

