

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057252.D
 Acq On : 1 May 2023 15:25
 Operator : CG/JU
 Sample : 02418-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW8Y8

Quant Time: May 01 22:29:35 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	16091	20.000	ng/ul	0.00
20) Naphthalene-d8	11.215	136	67122	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.992	164	50477	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.730	188	114882	20.000	ng/ul	0.00
79) Chrysene-d12	22.047	240	97504	20.000	ng/ul	0.00
88) Perylene-d12	25.572	264	106811	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.661	96	967	2.645	ng/uL	0.00
4) Pyridine-d5	4.107	84	5751	4.989	ng/ul	0.00
7) Phenol-d5	7.514	99	29387	19.311	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	17367	19.404	ng/ul	0.00
11) 2-Chlorophenol-d4	7.908	132	21320	21.260	ng/ul	0.00
15) 4-Methylphenol-d8	9.077	113	18263	15.791	ng/ul	0.00
21) Nitrobenzene-d5	9.553	128	11863	22.193	ng/ul	0.00
24) 2-Nitrophenol-d4	10.287	143	12975	20.799	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.833	165	26533	22.046	ng/ul	0.00
31) 4-Chloroaniline-d4	11.344	131	14693	9.211	ng/ul	0.00
46) Dimethylphthalate-d6	14.376	166	91820	22.957	ng/ul	0.00
49) Acenaphthylene-d8	14.693	160	103275	22.974	ng/ul	0.00
54) 4-Nitrophenol-d4	15.180	143	8223	14.124	ng/ul	0.00
60) Fluorene-d10	15.979	176	83441	22.394	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.097	200	9707	14.261	ng/ul	0.00
73) Anthracene-d10	17.830	188	127738	24.360	ng/ul	0.00
81) Pyrene-d10	20.097	212	146534	25.319	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.331	264	135218	24.848	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	9.212	105	7212	3.624	ng/ul	94
30) Naphthalene	11.268	128	5286	1.434	ng/ul#	92
52) Acenaphthene	15.057	153	12023	3.694	ng/ul	96
56) Dibenzofuran	15.386	168	8913	1.896	ng/ul	97
61) Fluorene	16.032	166	13858	3.487	ng/ul	95
66) 4,6-Dinitro-2-methylph...	16.009	198	2377	3.427	ng/ul#	55
72) Phenanthrene	17.777	178	289214	48.343	ng/ul	99
74) Anthracene	17.865	178	64996	10.816	ng/ul	99
77) Carbazole	18.129	167	20623	4.106	ng/ul	100
78) Di-n-butylphthalate	18.646	149	7041	1.226	ng/ul#	78
80) Fluoranthene	19.768	202	708346	103.033	ng/ul#	96
82) Pyrene	20.132	202	626655	90.040	ng/ul	98
85) Benzo(a)anthracene	22.030	228	375769	54.491	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.871	149	40348	12.447	ng/ul	95
87) Chrysene	22.100	228	362386	55.699	ng/ul	97
90) Benzo(b)fluoranthene	24.450	252	474326	64.128	ng/ul	97
91) Benzo(k)fluoranthene	24.450	252	474326	65.915	ng/ul	99
93) Benzo(a)pyrene	25.249	252	219886	34.435	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.643	276	246588	30.892	ng/ul	98
95) Dibenzo(a,h)anthracene	29.672	278	37853	5.719	ng/ul#	90
96) Benzo(g,h,i)perylene	30.912	276	100641	15.579	ng/ul	99

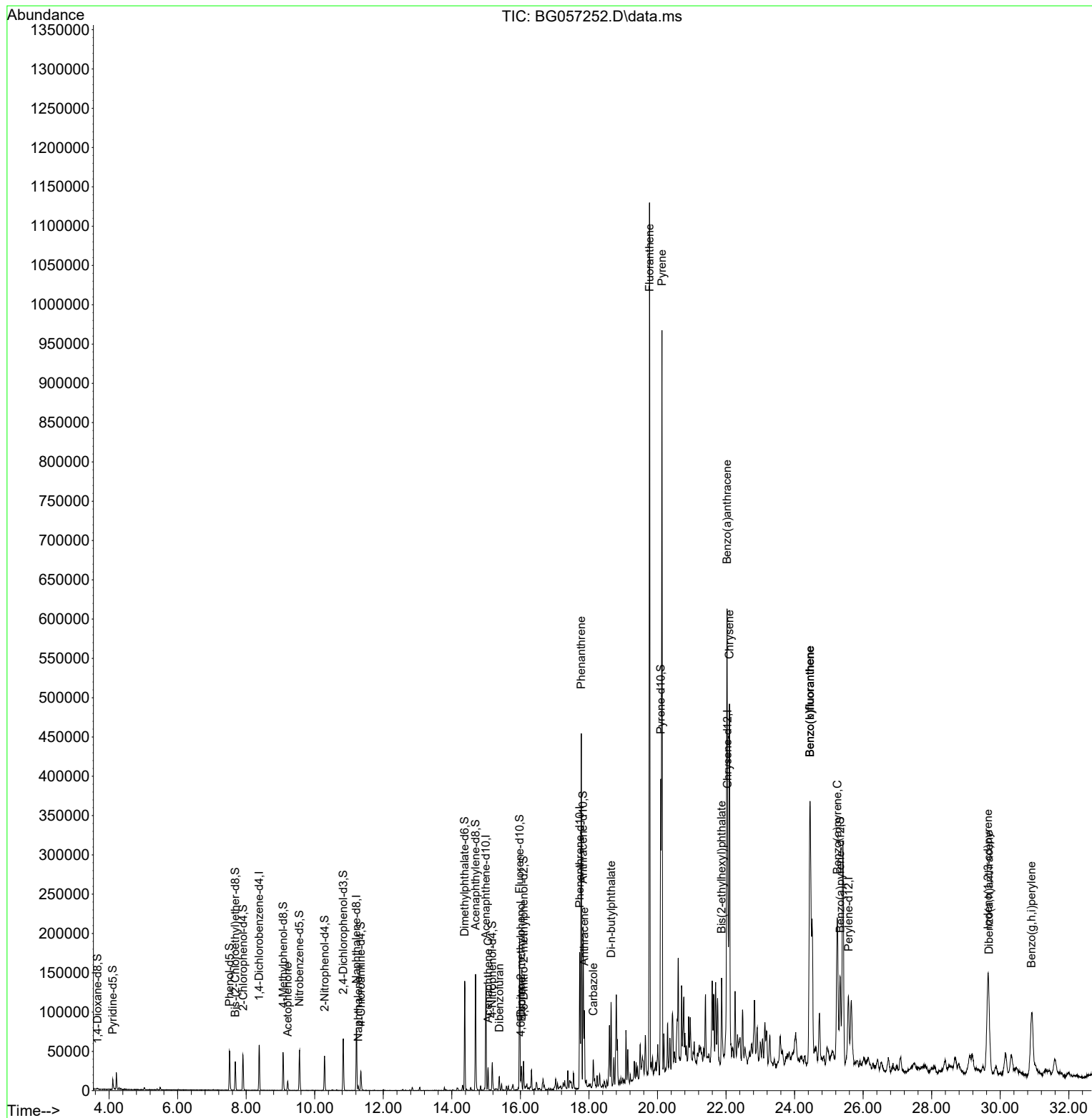
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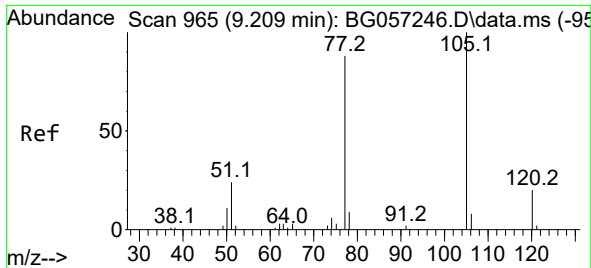
Instrument :
BNA_G
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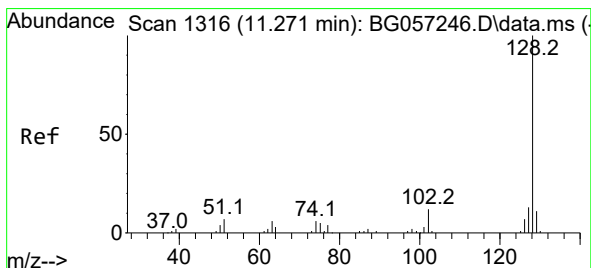
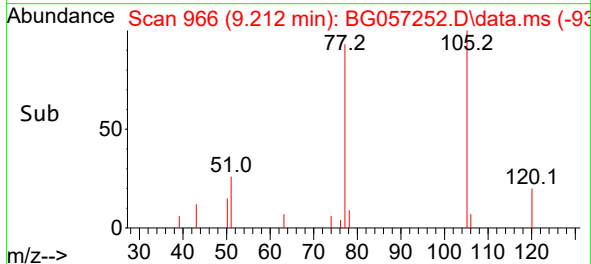
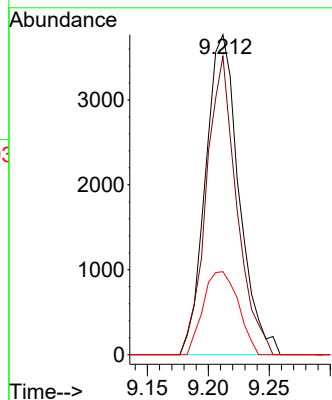
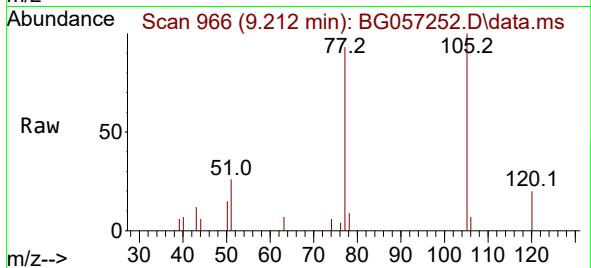




#16
Acetophenone
Concen: 3.624 ng/ul
RT: 9.212 min Scan# 90
Delta R.T. 0.002 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

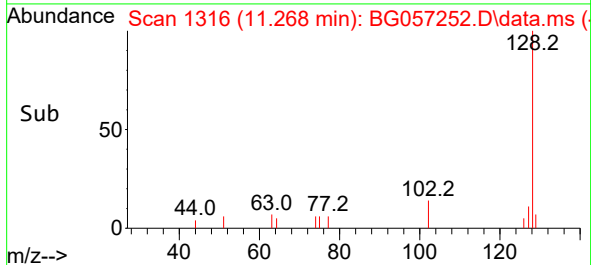
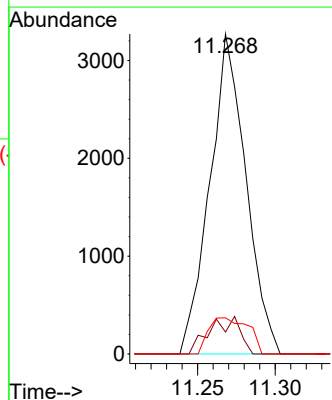
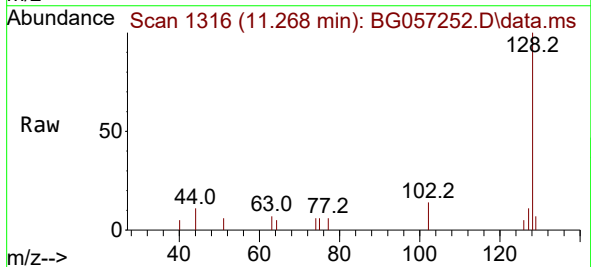
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BNA_G
ClientSampleId :
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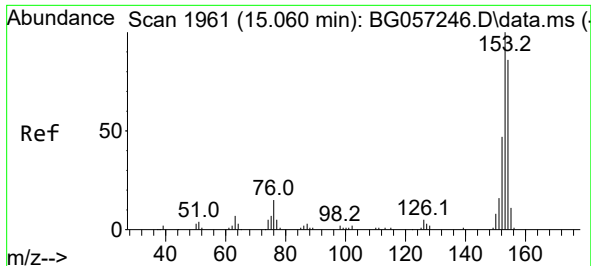
Tgt Ion:105 Resp: 7212
Ion Ratio Lower Upper
105 100
77 93.3 70.6 105.8
51 26.0 24.5 36.7



#30
Naphthalene
Concen: 1.434 ng/ul
RT: 11.268 min Scan# 1316
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

Tgt Ion:128 Resp: 5286
Ion Ratio Lower Upper
128 100
129 6.8 8.5 12.7#
127 11.3 11.4 17.0#

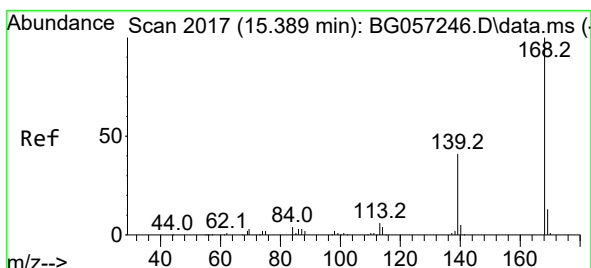
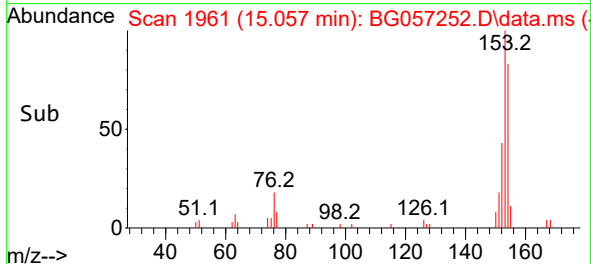
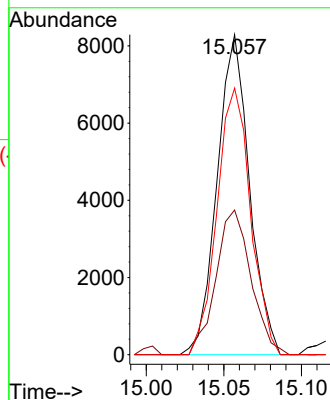
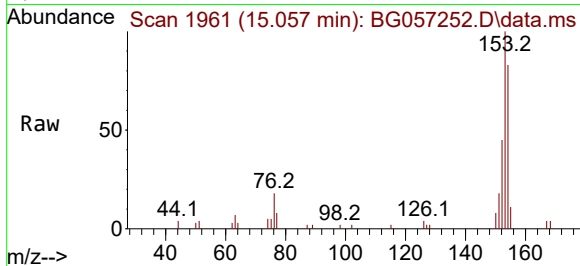




#52
Acenaphthene
Concen: 3.694 ng/ul
RT: 15.057 min Scan# 1961
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

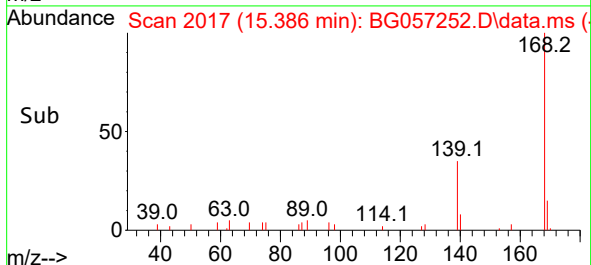
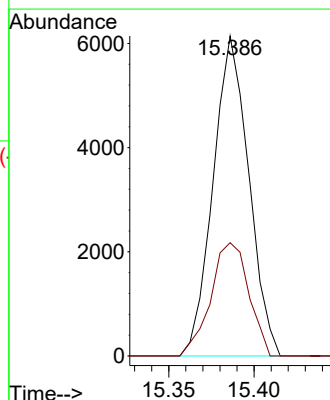
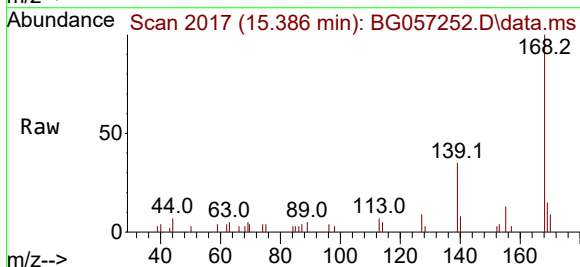
Instrument :
BNA_G
ClientSampleId :
EW8Y8

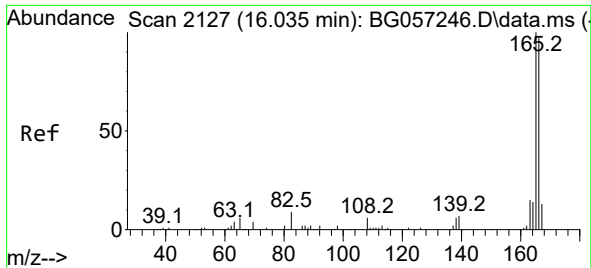
Tgt Ion:153 Resp: 12023
Ion Ratio Lower Upper
153 100
152 45.2 36.5 54.7
154 83.3 70.6 106.0



#56
Dibenzofuran
Concen: 1.896 ng/ul
RT: 15.386 min Scan# 2017
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

Tgt Ion:168 Resp: 8913
Ion Ratio Lower Upper
168 100
139 35.4 29.6 44.4

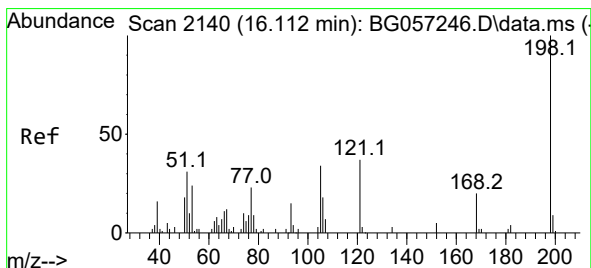
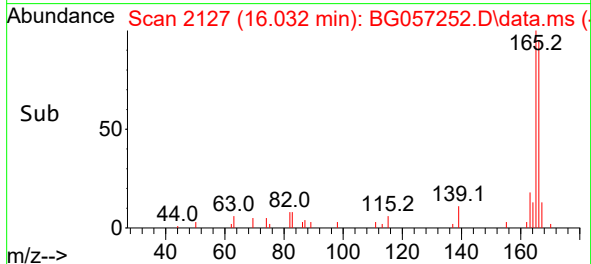
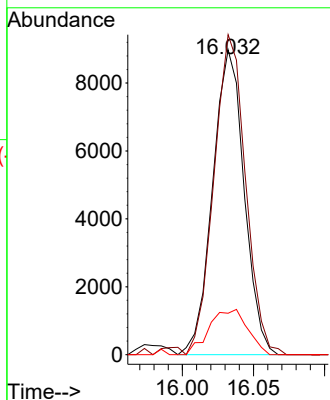
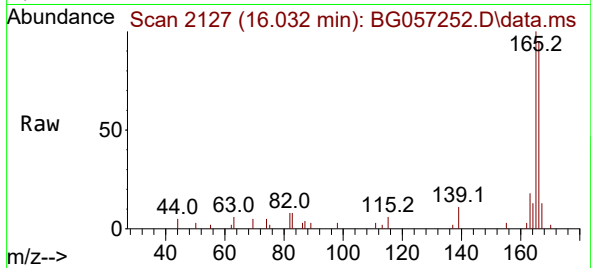




#61
Fluorene
Concen: 3.487 ng/ul
RT: 16.032 min Scan# 2123
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

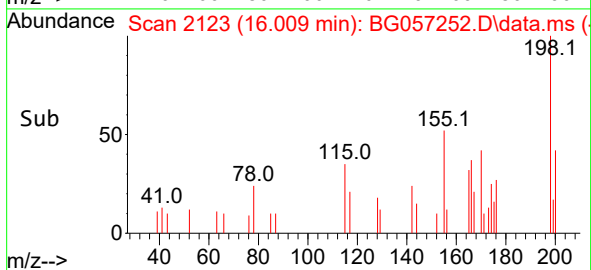
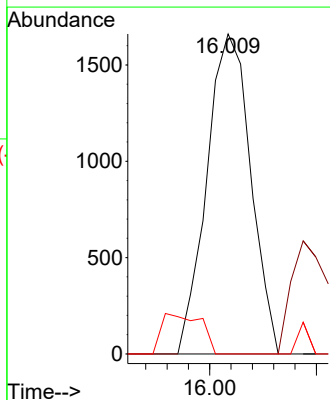
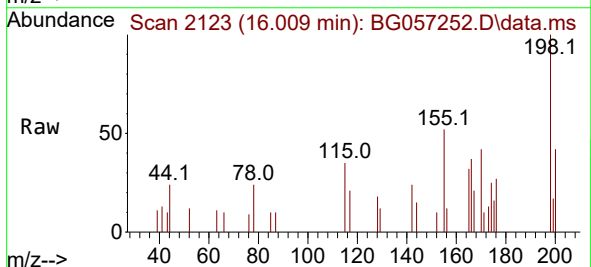
Instrument :
BNA_G
ClientSampleId :
EW8Y8

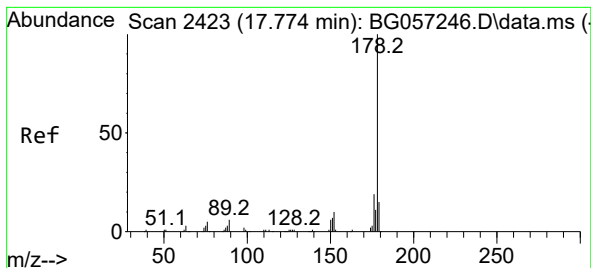
Tgt Ion:166 Resp: 13858
Ion Ratio Lower Upper
166 100
165 105.0 80.1 120.1
167 13.6 10.2 15.4



#66
4,6-Dinitro-2-methylphenol
Concen: 3.427 ng/ul
RT: 16.009 min Scan# 2123
Delta R.T. -0.103 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

Tgt Ion:198 Resp: 2377
Ion Ratio Lower Upper
198 100
182 0.0 3.0 4.6#
77 0.0 20.1 30.1#





#72

Phenanthrene

Concen: 48.343 ng/ul

RT: 17.777 min Scan# 2423

Delta R.T. 0.002 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

Instrument :

BNA_G

ClientSampleId :

EW8Y8

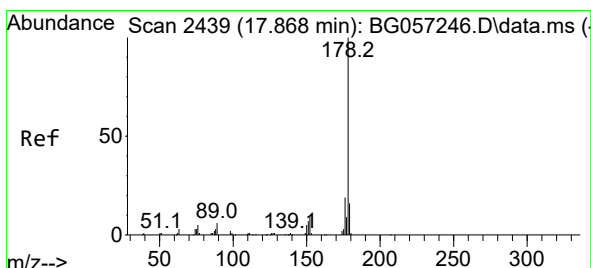
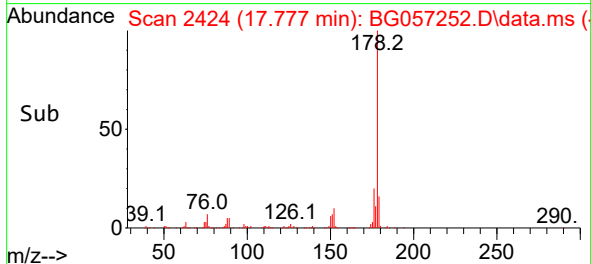
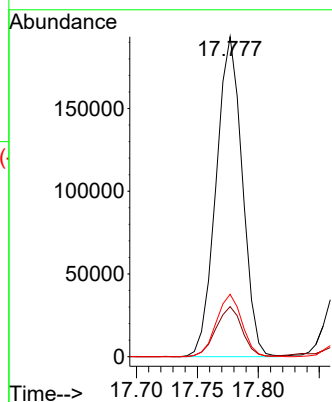
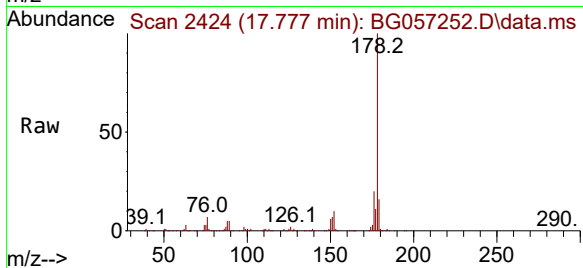
Tgt Ion:178 Resp: 289214

Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.8

176 19.5 15.4 23.0



#74

Anthracene

Concen: 10.816 ng/ul

RT: 17.865 min Scan# 2439

Delta R.T. -0.003 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

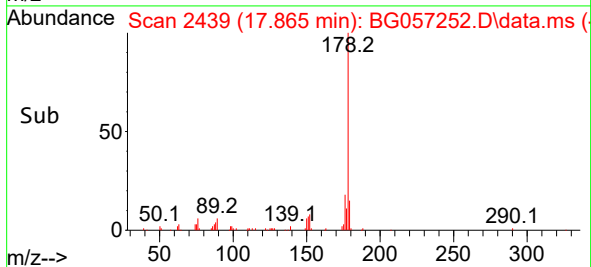
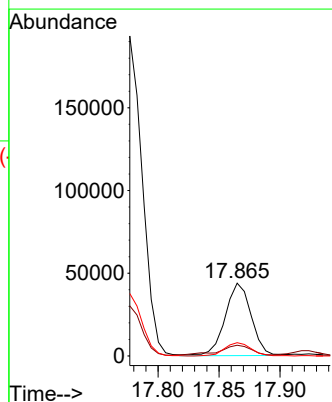
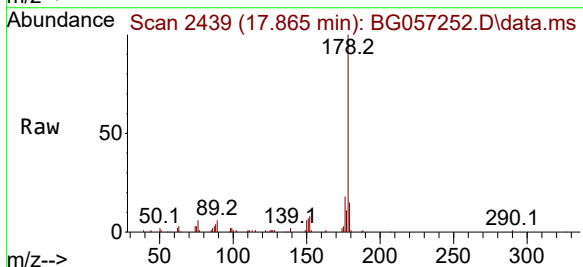
Tgt Ion:178 Resp: 64996

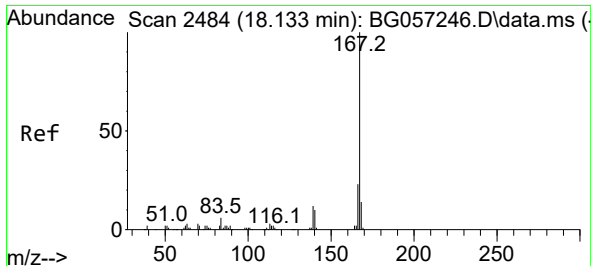
Ion Ratio Lower Upper

178 100

179 14.8 12.5 18.7

176 18.3 14.7 22.1

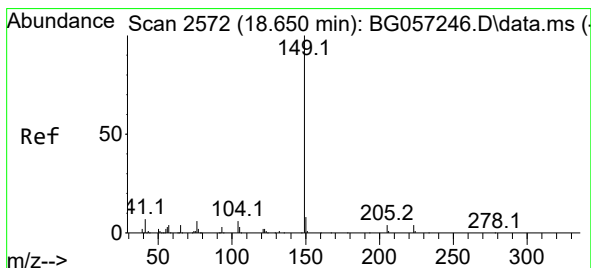
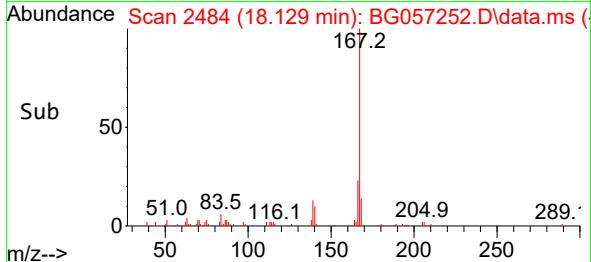
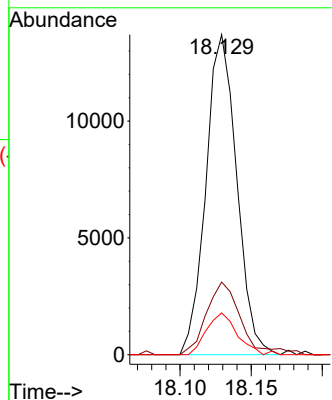
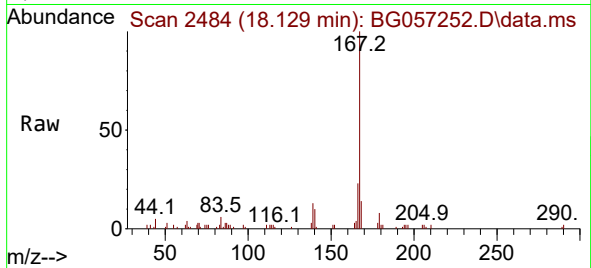




#77
 Carbazole
 Concen: 4.106 ng/ul
 RT: 18.129 min Scan# 2484
 Delta R.T. -0.003 min
 Lab File: BG057252.D
 Acq: 1 May 2023 15:25

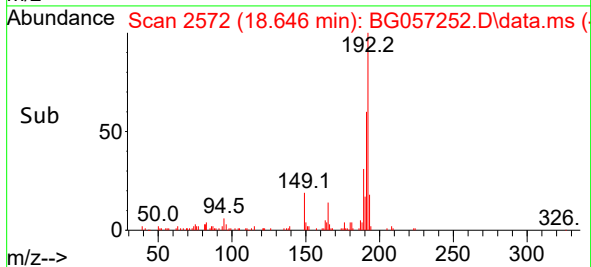
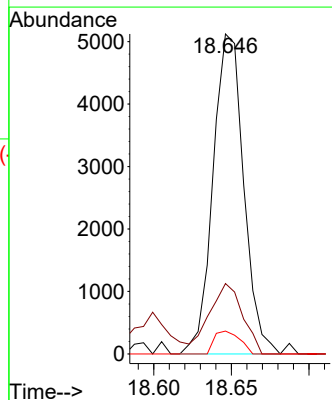
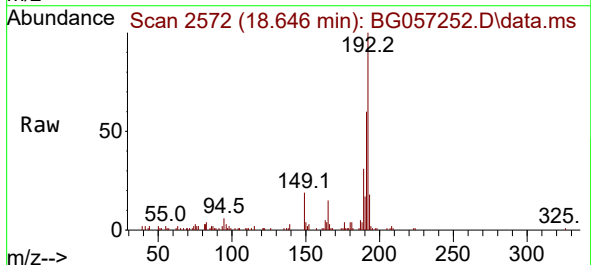
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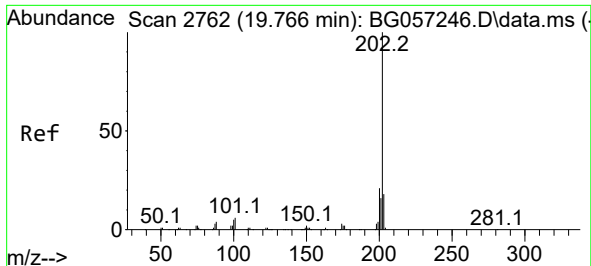
Tgt Ion:167 Resp: 20623
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.0 27.0
 139 13.0 10.3 15.5



#78
 Di-n-butylphthalate
 Concen: 1.226 ng/ul
 RT: 18.646 min Scan# 2572
 Delta R.T. -0.003 min
 Lab File: BG057252.D
 Acq: 1 May 2023 15:25

Tgt Ion:149 Resp: 7041
 Ion Ratio Lower Upper
 149 100
 150 22.0 7.3 10.9#
 104 7.2 5.0 7.6

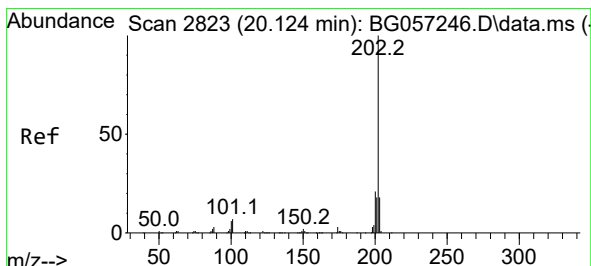
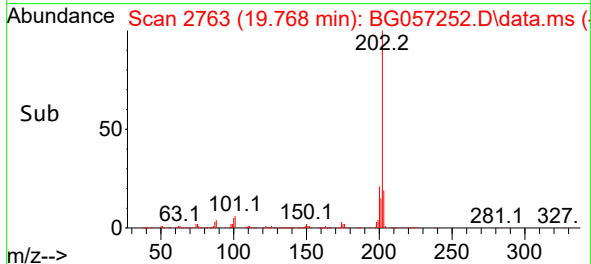
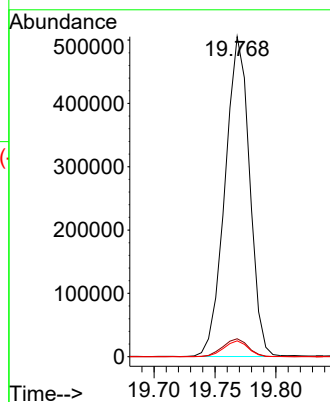
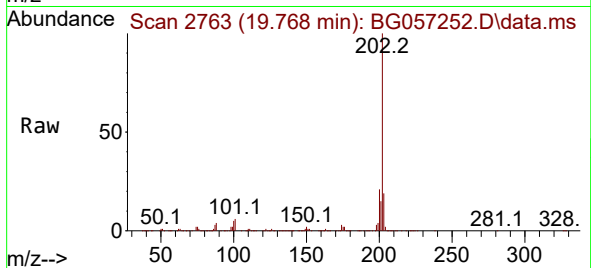




#80
Fluoranthene
Concen: 103.033 ng/u1
RT: 19.768 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

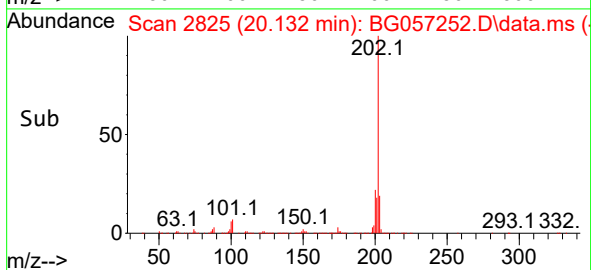
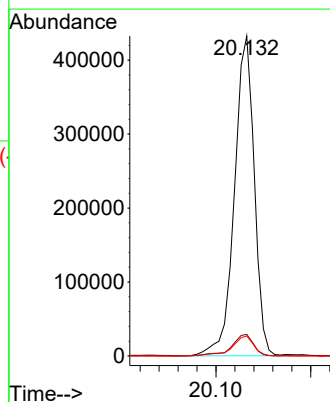
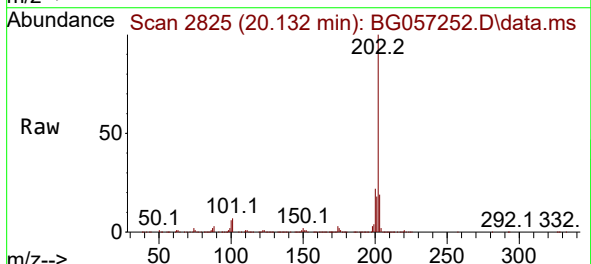
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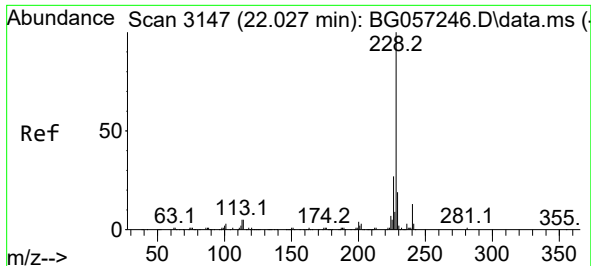
Tgt Ion:202 Resp: 708346
Ion Ratio Lower Upper
202 100
101 5.6 5.8 8.6#
100 4.9 4.6 7.0



#82
Pyrene
Concen: 90.040 ng/u1
RT: 20.132 min Scan# 2825
Delta R.T. 0.008 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

Tgt Ion:202 Resp: 626655
Ion Ratio Lower Upper
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101 6.8 5.7 8.5
100 6.2 6.0 9.0

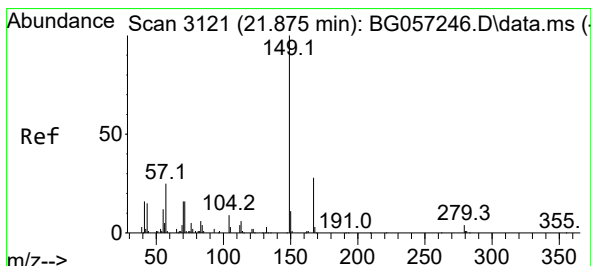
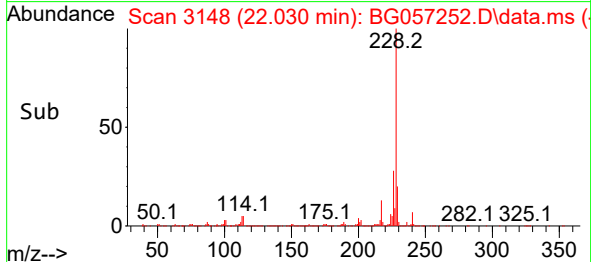
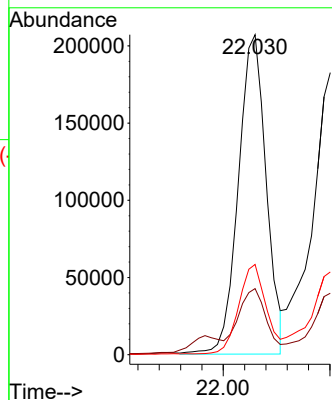
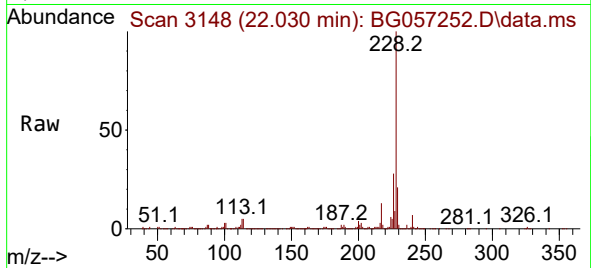




#85
Benzo(a)anthracene
Concen: 54.491 ng/ul
RT: 22.030 min Scan# 3148
Delta R.T. 0.002 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

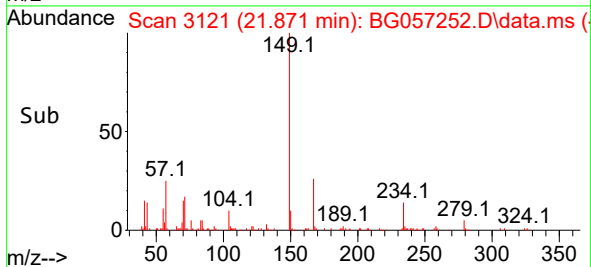
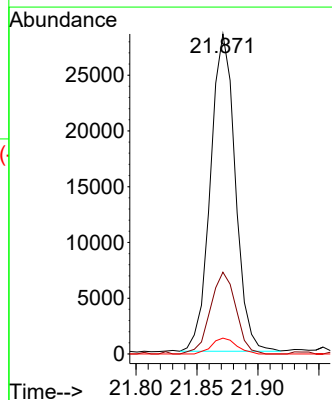
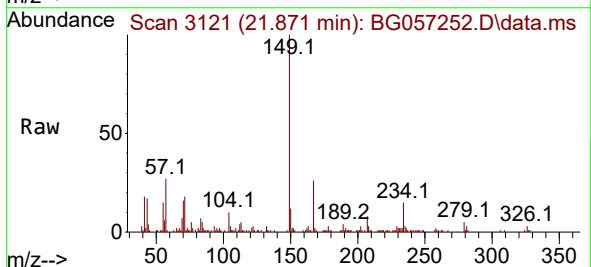
Instrument :
BNA_G
ClientSampleId :
EW8Y8

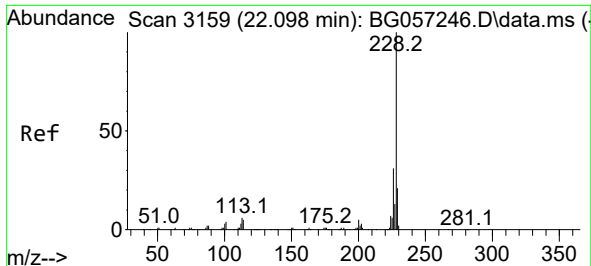
Tgt Ion:228 Resp: 375769
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.6
226 28.2 21.7 32.5



#86
Bis(2-ethylhexyl)phthalate
Concen: 12.447 ng/ul
RT: 21.871 min Scan# 3121
Delta R.T. -0.003 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

Tgt Ion:149 Resp: 40348
Ion Ratio Lower Upper
149 100
167 25.5 23.0 34.6
279 5.0 3.6 5.4





#87

Chrysene

Concen: 55.699 ng/ul

RT: 22.100 min Scan# 3159

Delta R.T. 0.002 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

Instrument :

BNA_G

ClientSampleId :

EW8Y8

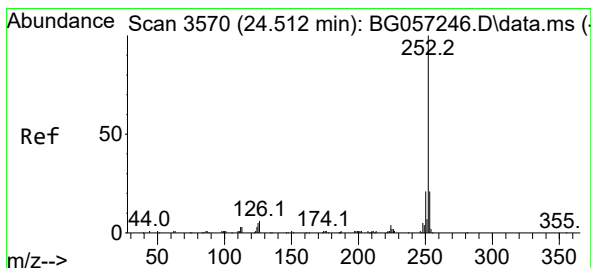
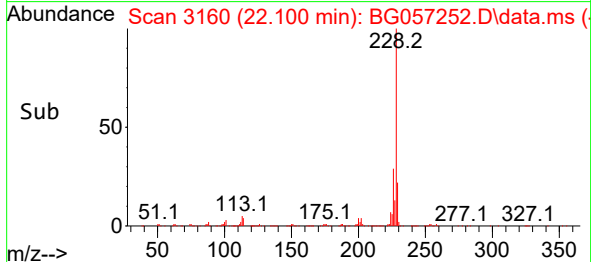
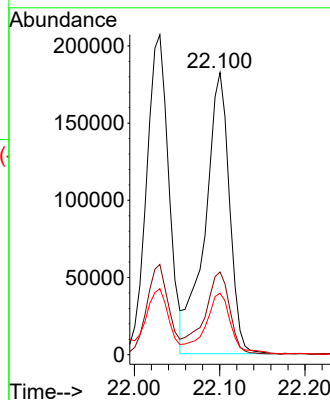
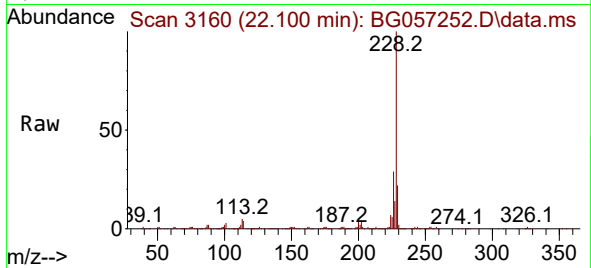
Tgt Ion:228 Resp: 362386

Ion Ratio Lower Upper

228 100

226 29.3 22.8 34.2

229 21.8 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 64.128 ng/ul

RT: 24.450 min Scan# 3560

Delta R.T. 0.014 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

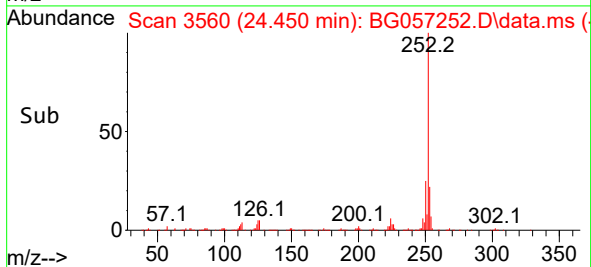
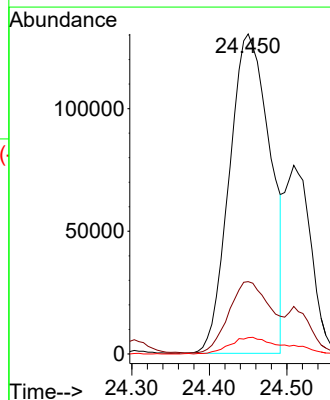
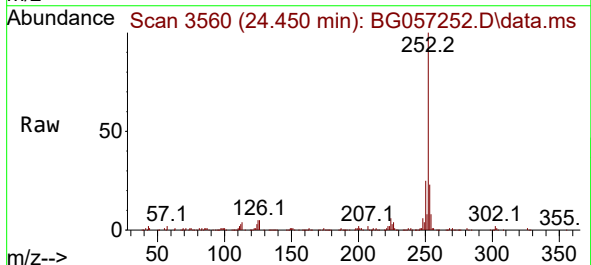
Tgt Ion:252 Resp: 474326

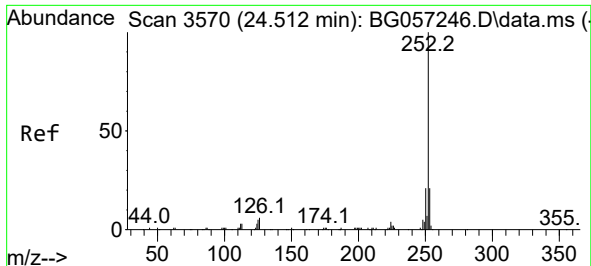
Ion Ratio Lower Upper

252 100

253 22.6 16.7 25.1

125 5.1 4.8 7.2

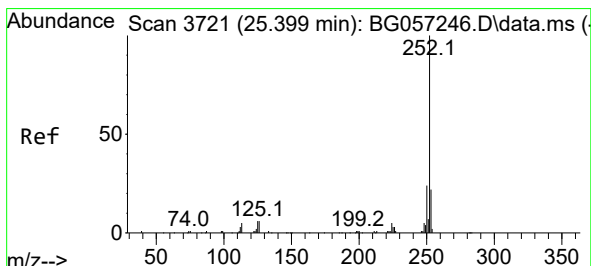
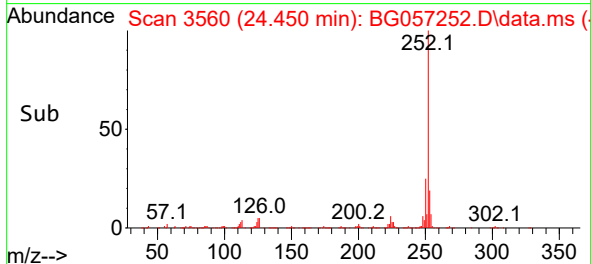
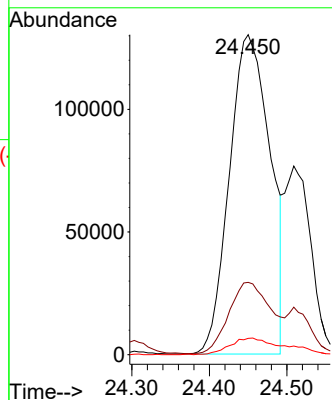
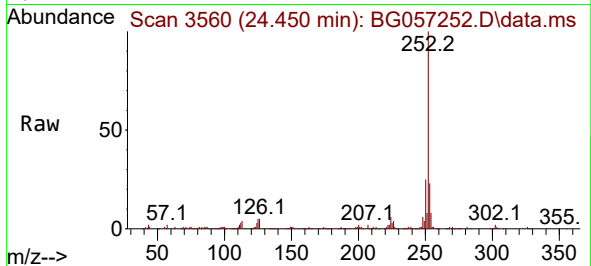




#91
Benzo(k)fluoranthene
Concen: 65.915 ng/ul
RT: 24.450 min Scan# 31
Delta R.T. -0.062 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

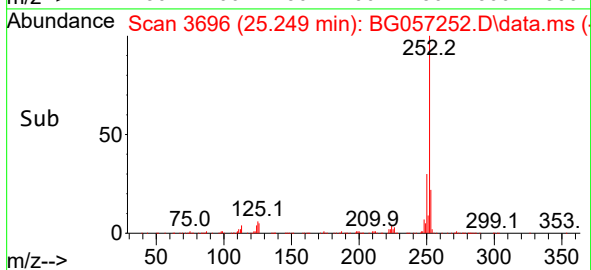
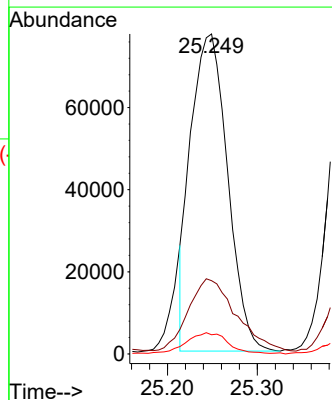
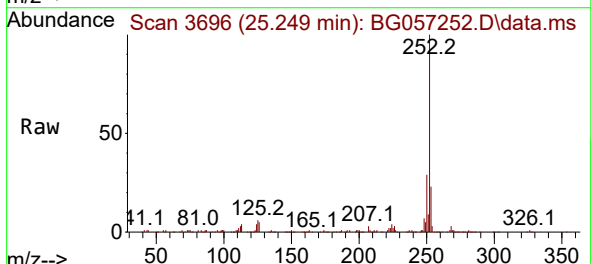
Instrument :
BNA_G
ClientSampleId :
EW8Y8

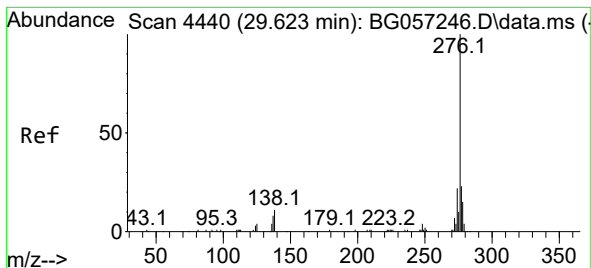
Tgt Ion:252 Resp: 474326
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 5.1 4.5 6.7



#93
Benzo(a)pyrene
Concen: 34.435 ng/ul
RT: 25.249 min Scan# 3696
Delta R.T. -0.150 min
Lab File: BG057252.D
Acq: 1 May 2023 15:25

Tgt Ion:252 Resp: 219886
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 6.0 5.1 7.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 30.892 ng/ul

RT: 29.643 min Scan# 4444

Delta R.T. 0.020 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

Instrument :

BNA_G

ClientSampleId :

EW8Y8

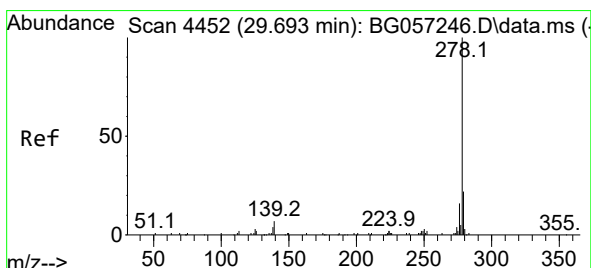
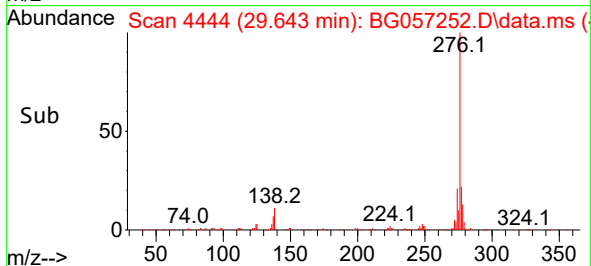
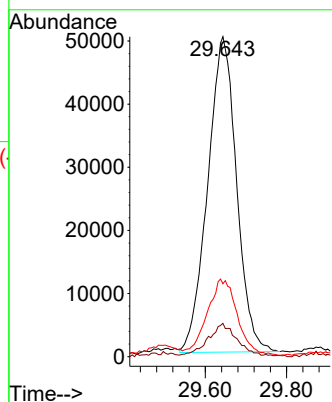
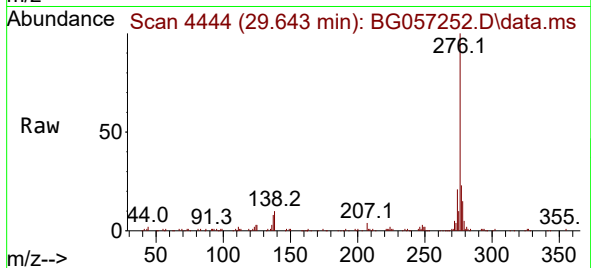
Tgt Ion:276 Resp: 246588

Ion Ratio Lower Upper

276 100

138 10.4 9.4 14.2

277 22.8 18.6 28.0



#95

Dibenzo(a,h)anthracene

Concen: 5.719 ng/ul

RT: 29.672 min Scan# 4449

Delta R.T. -0.021 min

Lab File: BG057252.D

Acq: 1 May 2023 15:25

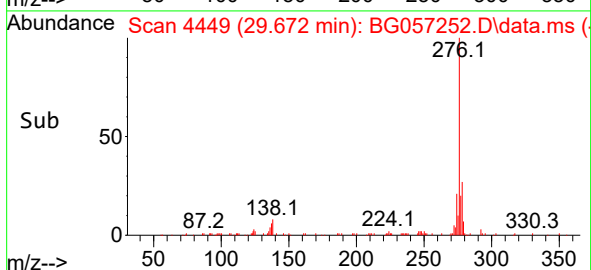
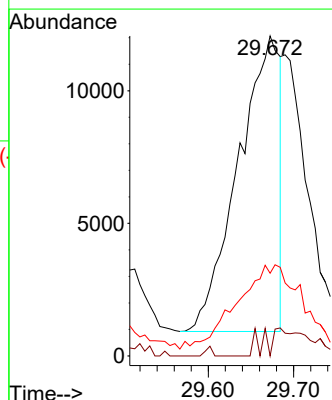
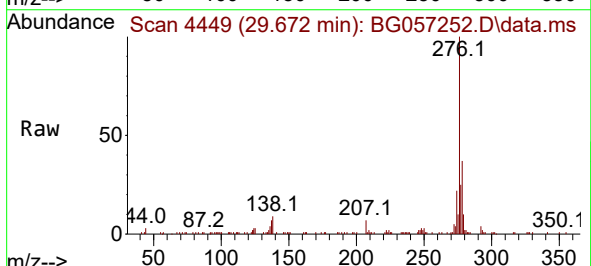
Tgt Ion:278 Resp: 37853

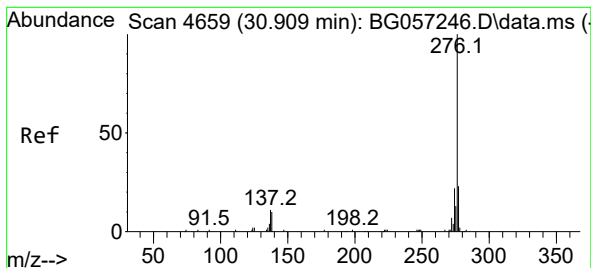
Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.6#

279 25.9 18.3 27.5





#96

Benzo(g,h,i)perylene

Concen: 15.579 ng/ul

RT: 30.912 min Scan# 4

Delta R.T. 0.002 min

Lab File: BG057252.D

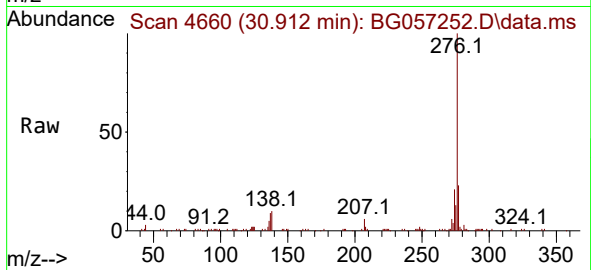
Acq: 1 May 2023 15:25

Instrument :

BNA_G

ClientSampleId :

EW8Y8



Tgt Ion:276 Resp: 100641

Ion Ratio Lower Upper

276 100

138 9.6 8.7 13.1

277 22.9 18.4 27.6

