

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057314.D
 Acq On : 5 May 2023 11:32
 Operator : CG/JU
 Sample : 02479-05 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW946

Quant Time: May 05 23:53:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.373	152	17189	20.000	ng/ul	0.00
20) Naphthalene-d8	11.210	136	78024	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.988	164	63885	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.725	188	142290	20.000	ng/ul	0.00
79) Chrysene-d12	22.049	240	124689	20.000	ng/ul	0.00
88) Perylene-d12	25.573	264	137967	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	4.097	84	122	0.099	ng/ul	0.00
7) Phenol-d5	7.521	99	1777	1.093	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.674	67	1061	1.110	ng/ul	0.00
11) 2-Chlorophenol-d4	7.903	132	1313	1.226	ng/ul	0.00
15) 4-Methylphenol-d8	9.072	113	1578	1.277	ng/ul	0.00
21) Nitrobenzene-d5	9.554	128	515	0.829	ng/ul	0.00
24) 2-Nitrophenol-d4	10.282	143	733	1.011	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.840	165	1798	1.285	ng/ul	0.02
31) 4-Chloroaniline-d4	11.346	131	860	0.464	ng/ul	0.00
46) Dimethylphthalate-d6	14.365	166	6666	1.317	ng/ul	0.00
49) Acenaphthylene-d8	14.688	160	8209	1.443	ng/ul	0.00
54) 4-Nitrophenol-d4	15.217	143	227	0.308	ng/ul	0.04
60) Fluorene-d10	15.969	176	6818	1.446	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/ul	
73) Anthracene-d10	17.825	188	10295	1.585	ng/ul	0.00
81) Pyrene-d10	20.093	212	11773	1.591	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.333	264	5205	0.740	ng/ul	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	11.257	128	20756	4.845	ng/ul	97
32) 4-Chloroaniline	11.263	127	2639	1.366	ng/ul#	13
36) 2-Methylnaphthalene	12.838	142	11217	3.570	ng/ul	97
37) 1-Methylnaphthalene	13.055	142	10655	3.373	ng/ul	91
50) Acenaphthylene	14.717	152	17007	2.942	ng/ul#	94
52) Acenaphthene	15.046	153	46117	11.195	ng/ul	97
56) Dibenzofuran	15.381	168	53512	8.996	ng/ul	96
61) Fluorene	16.027	166	79551	15.815	ng/ul	99
63) 4-Nitroaniline	16.022	138	890	1.268	ng/ul#	5
72) Phenanthrene	17.778	178	1212694	163.661	ng/ul	97
74) Anthracene	17.860	178	244150	32.802	ng/ul	100
77) Carbazole	18.125	167	109642	17.627	ng/ul	99
80) Fluoranthene	19.775	202	2030249	230.928	ng/ul	98
82) Pyrene	20.134	202	1665720	187.156	ng/ul	98
85) Benzo(a)anthracene	22.031	228	999819	113.376	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.861	149	24308	5.864	ng/ul	94
87) Chrysene	22.031	228	999819	120.170	ng/ul	98
90) Benzo(b)fluoranthene	24.469	252	1265182	132.423	ng/ul	96
91) Benzo(k)fluoranthene	24.522	252	345381	37.158	ng/ul	97
93) Benzo(a)pyrene	25.250	252	512574	62.143	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.668	276	562988	54.603	ng/ul	96
95) Dibenzo(a,h)anthracene	29.521	278	10217	1.195	ng/ul	96
96) Benzo(g,h,i)perylene	30.943	276	459394	55.053	ng/ul	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057314.D
Acq On : 5 May 2023 11:32
Operator : CG/JU
Sample : 02479-05 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946

Quant Time: May 05 23:53:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration

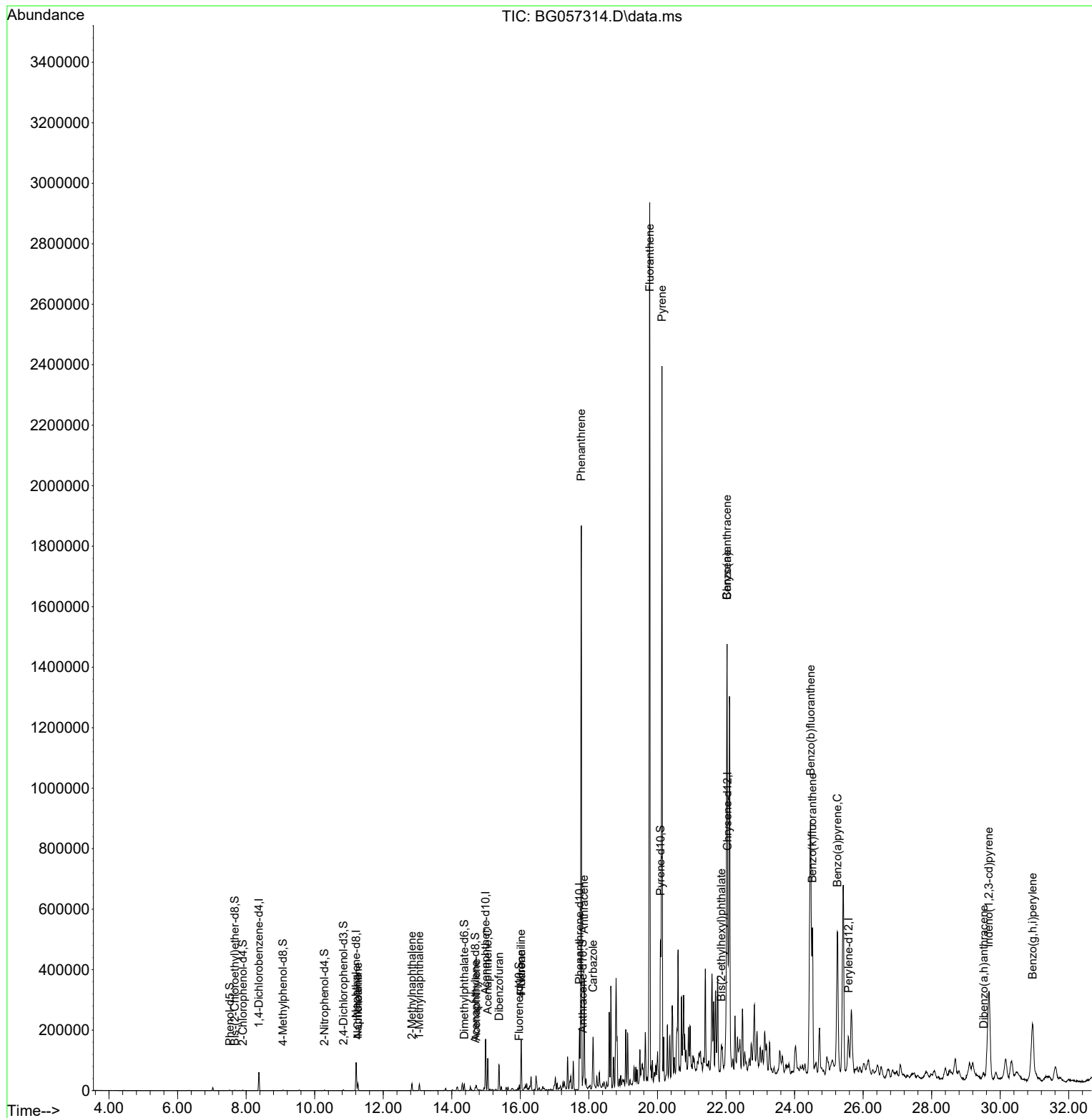
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

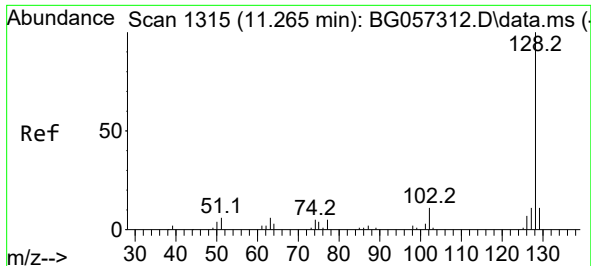
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
Data File : BG057314.D
Acq On : 5 May 2023 11:32
Operator : CG/JU
Sample : 02479-05 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EW946

Quant Time: May 05 23:53:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration

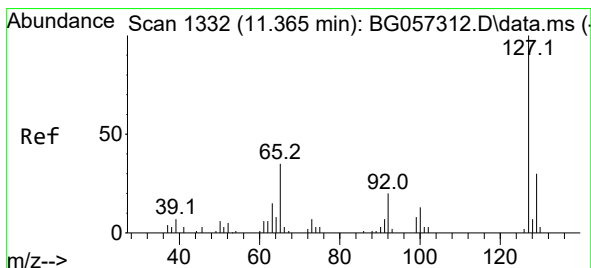
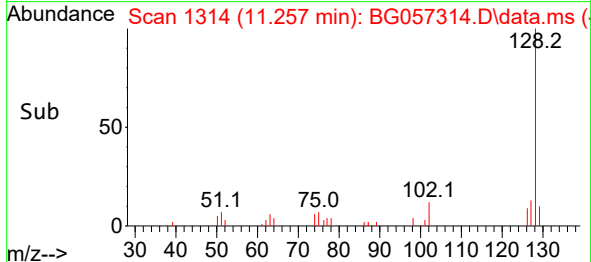
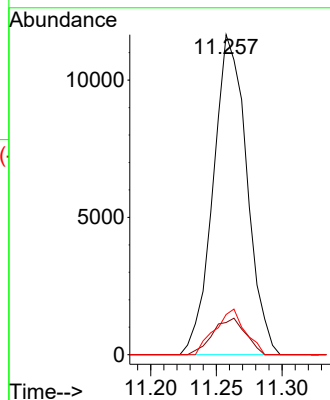
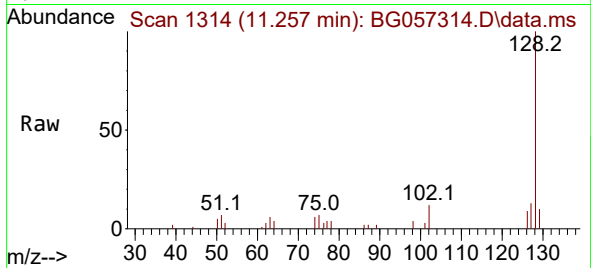




#30
Naphthalene
Concen: 4.845 ng/ul
RT: 11.257 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

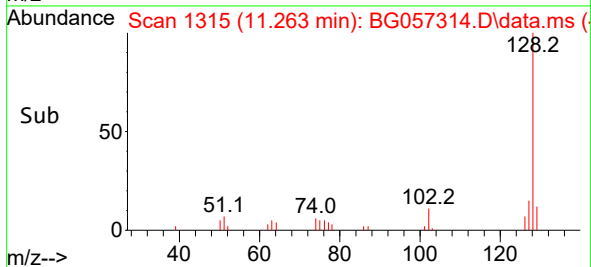
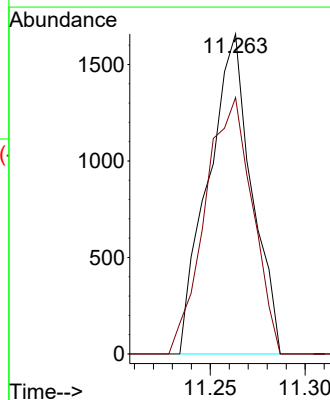
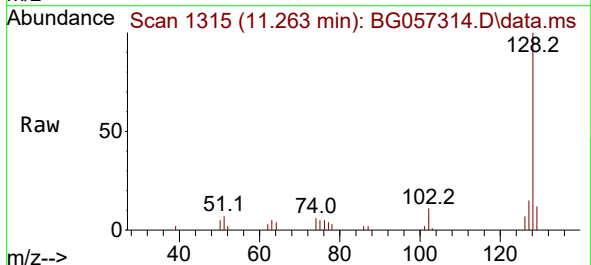
Instrument :
BNA_G
ClientSampleId :
EW946

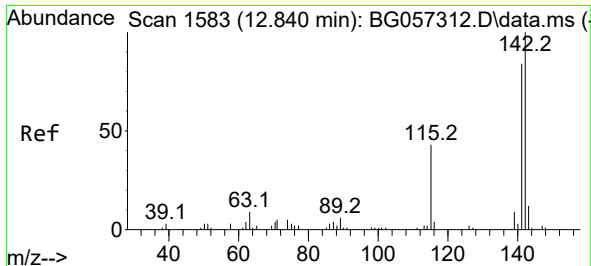
Tgt Ion:128 Resp: 20756
Ion Ratio Lower Upper
128 100
129 10.0 8.5 12.7
127 12.5 11.4 17.0



#32
4-Chloroaniline
Concen: 1.366 ng/ul
RT: 11.263 min Scan# 1315
Delta R.T. -0.102 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

Tgt Ion:127 Resp: 2639
Ion Ratio Lower Upper
127 100
129 80.1 25.4 38.0#





#36

2-Methylnaphthalene

Concen: 3.570 ng/ul

RT: 12.838 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

Instrument :

BNA_G

ClientSampleId :

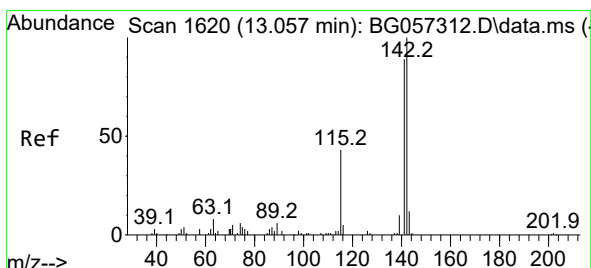
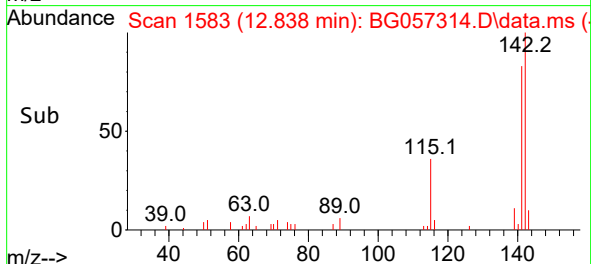
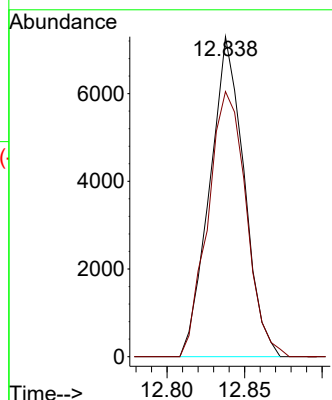
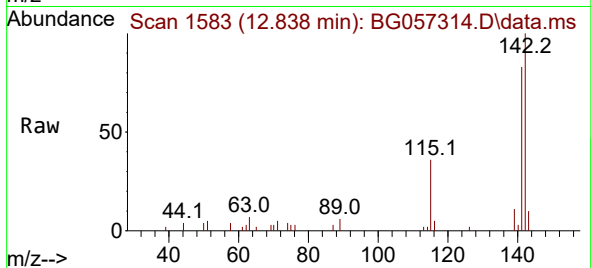
EW946

Tgt Ion:142 Resp: 11217

Ion Ratio Lower Upper

142 100

141 82.9 68.7 103.1



#37

1-Methylnaphthalene

Concen: 3.373 ng/ul

RT: 13.055 min Scan# 1620

Delta R.T. -0.002 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

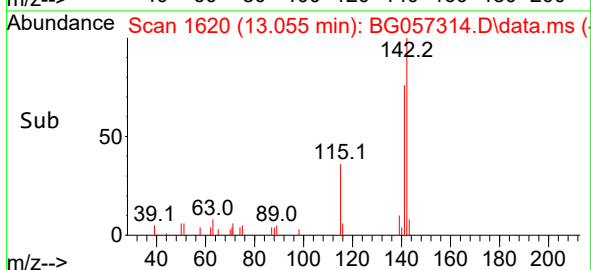
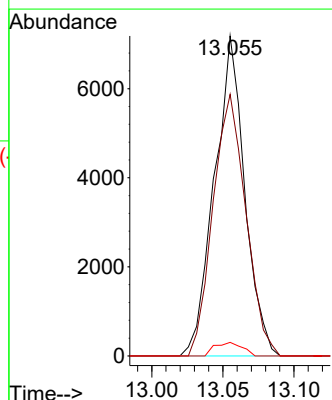
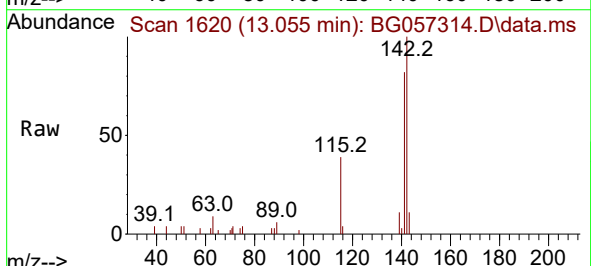
Tgt Ion:142 Resp: 10655

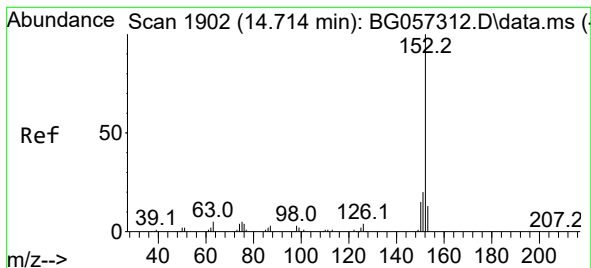
Ion Ratio Lower Upper

142 100

141 81.7 72.9 109.3

116 4.3 3.2 4.8





#50

Acenaphthylene

Concen: 2.942 ng/ul

RT: 14.717 min Scan# 1903

Delta R.T. 0.004 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

Instrument :

BNA_G

ClientSampleId :

EW946

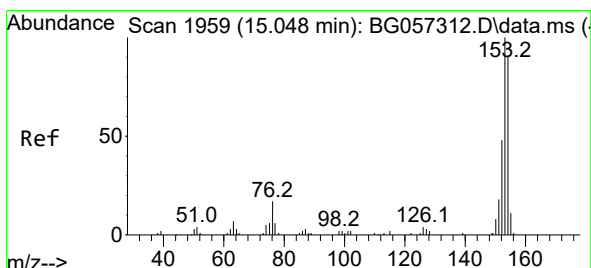
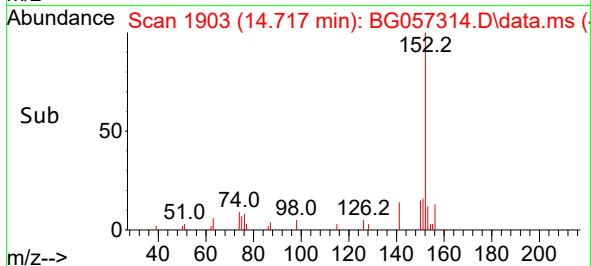
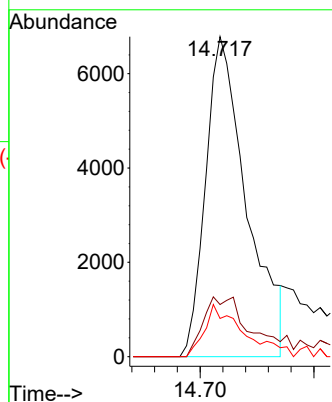
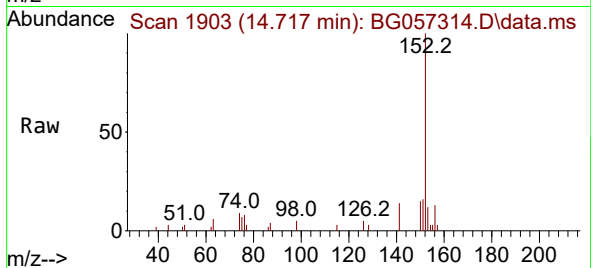
Tgt Ion:152 Resp: 17007

Ion Ratio Lower Upper

152 100

151 16.3 16.3 24.5#

153 12.0 10.1 15.1



#52

Acenaphthene

Concen: 11.195 ng/ul

RT: 15.046 min Scan# 1959

Delta R.T. -0.002 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

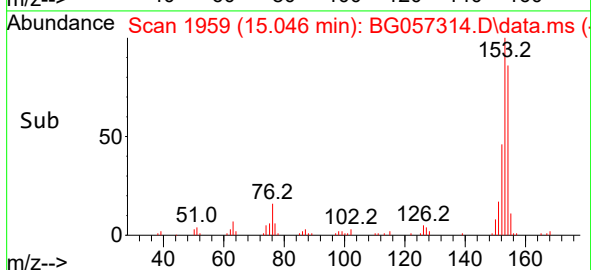
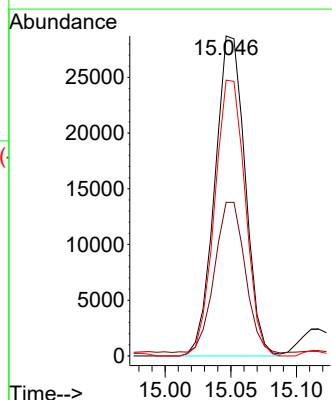
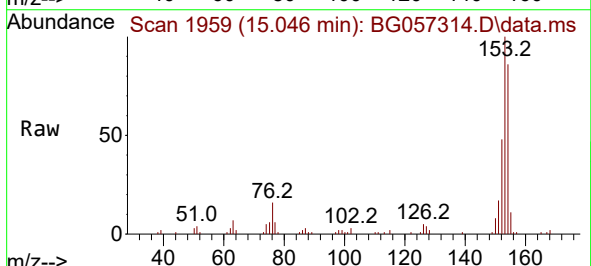
Tgt Ion:153 Resp: 46117

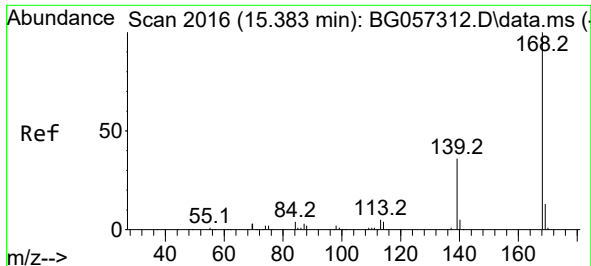
Ion Ratio Lower Upper

153 100

152 48.0 36.5 54.7

154 86.2 70.6 106.0

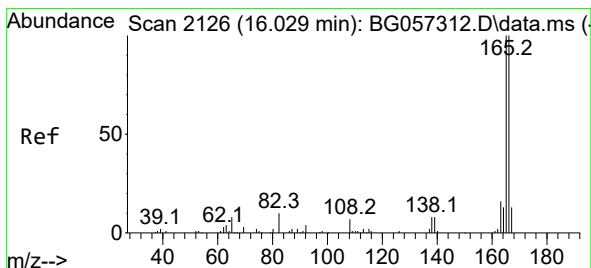
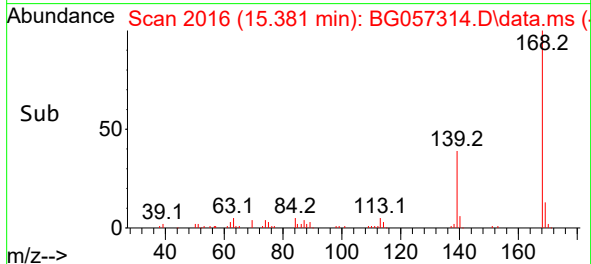
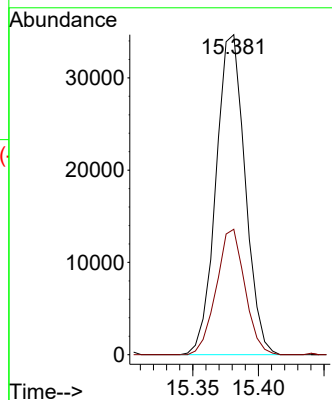
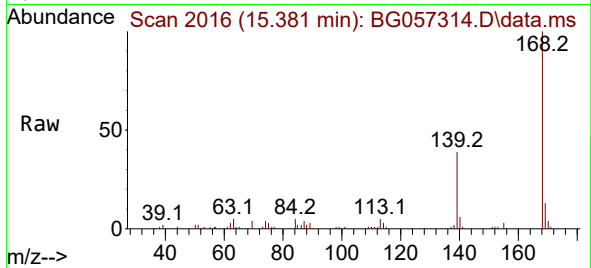




#56
Dibenzenofuran
Concen: 8.996 ng/ul
RT: 15.381 min Scan# 2016
Delta R.T. -0.002 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

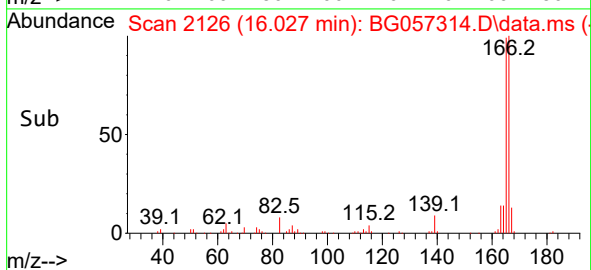
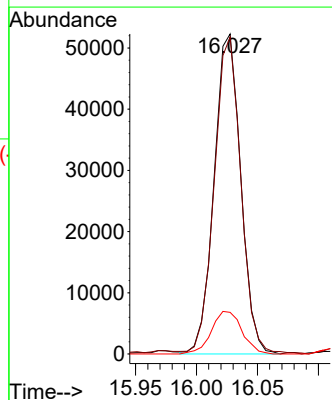
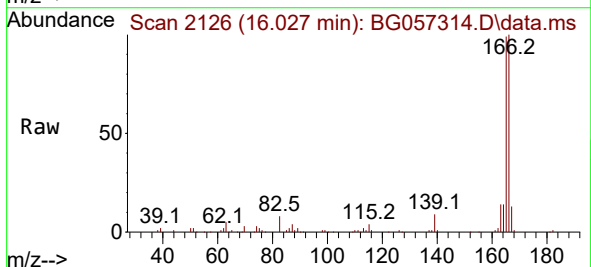
Instrument :
BNA_G
ClientSampleId :
EW946

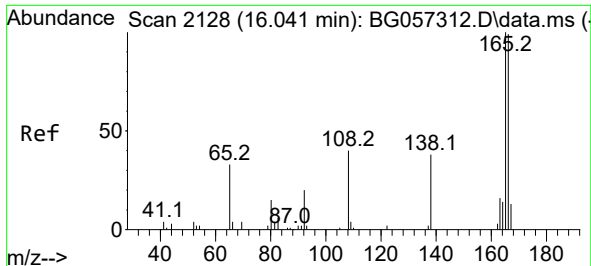
Tgt Ion:168 Resp: 53512
Ion Ratio Lower Upper
168 100
139 39.2 29.6 44.4



#61
Fluorene
Concen: 15.815 ng/ul
RT: 16.027 min Scan# 2126
Delta R.T. -0.002 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

Tgt Ion:166 Resp: 79551
Ion Ratio Lower Upper
166 100
165 99.1 80.1 120.1
167 13.0 10.2 15.4

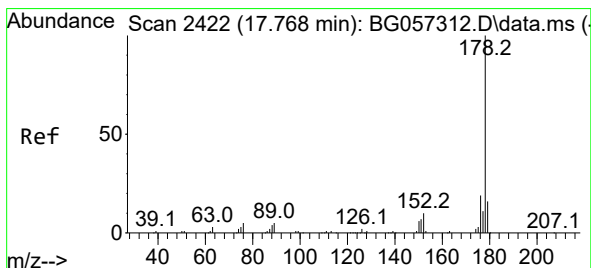
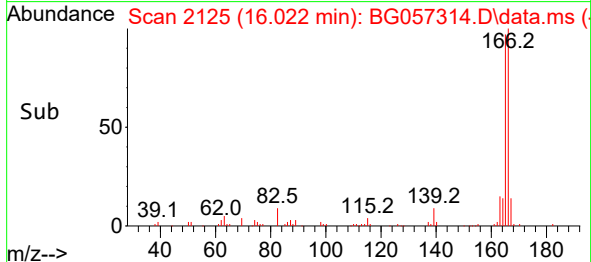
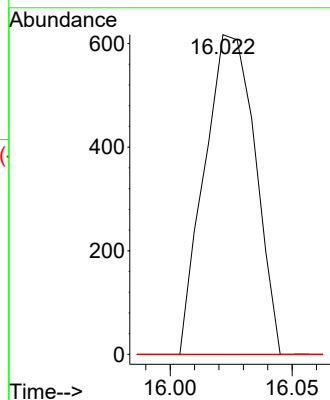
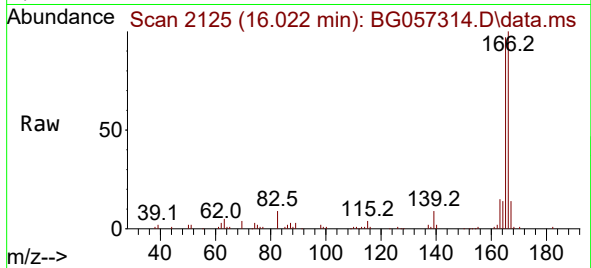




#63
4-Nitroaniline
Concen: 1.268 ng/ul
RT: 16.022 min Scan# 2128
Delta R.T. -0.020 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

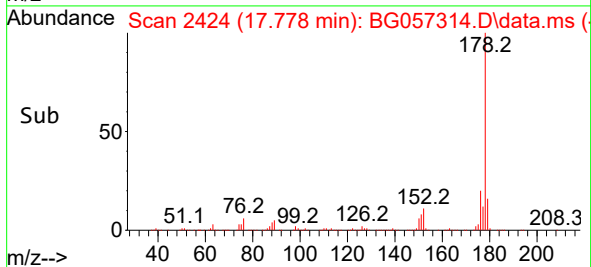
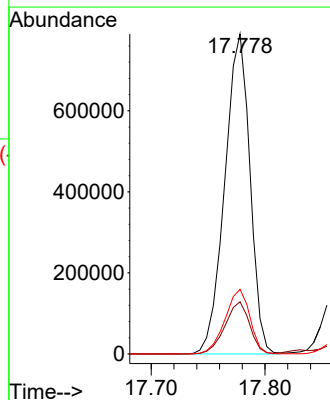
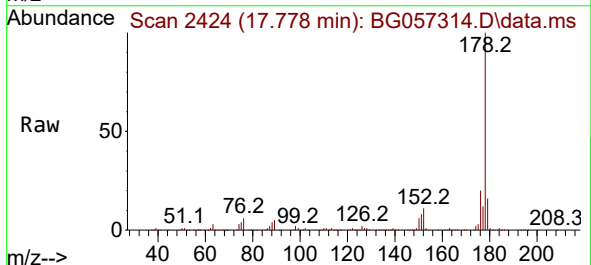
Instrument :
BNA_G
ClientSampleId :
EW946

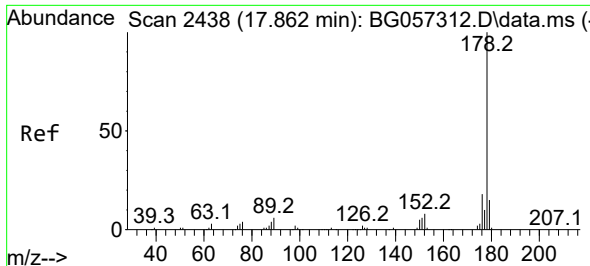
Tgt Ion:138 Resp: 890
Ion Ratio Lower Upper
138 100
92 0.0 39.9 59.9#
108 0.0 89.1 133.7#



#72
Phenanthrene
Concen: 163.661 ng/ul
RT: 17.778 min Scan# 2424
Delta R.T. 0.010 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

Tgt Ion:178 Resp: 1212694
Ion Ratio Lower Upper
178 100
179 16.3 11.8 17.8
176 20.2 15.4 23.0

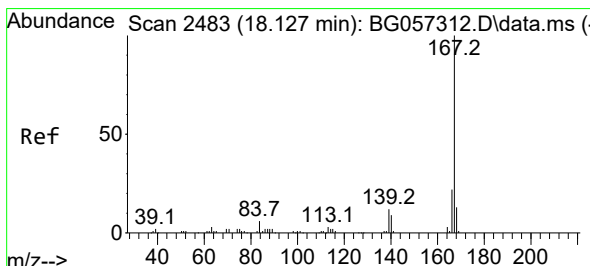
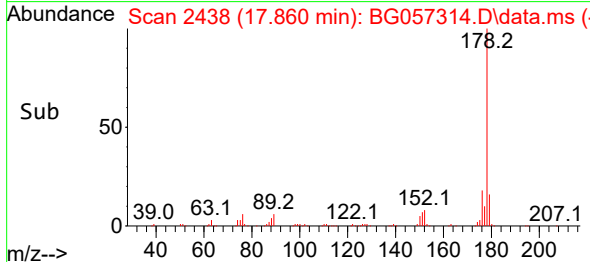
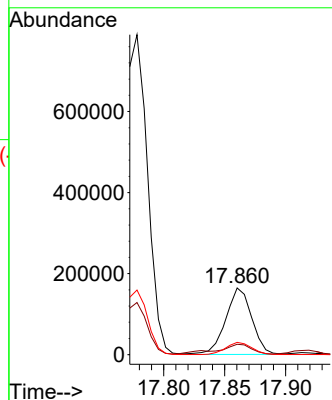
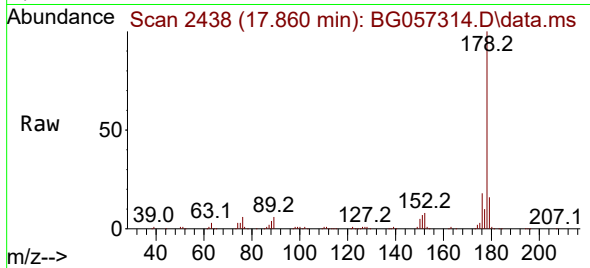




#74
 Anthracene
 Concen: 32.802 ng/ul
 RT: 17.860 min Scan# 2438
 Delta R.T. -0.002 min
 Lab File: BG057314.D
 Acq: 5 May 2023 11:32

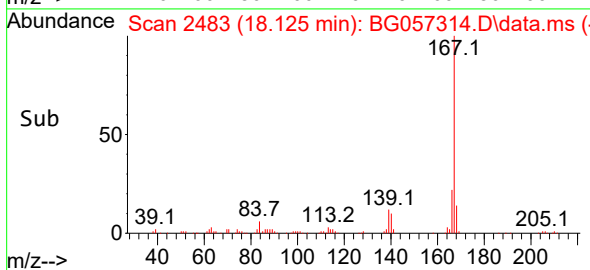
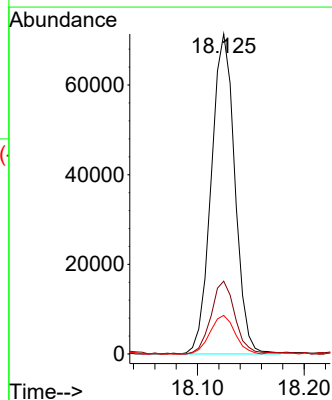
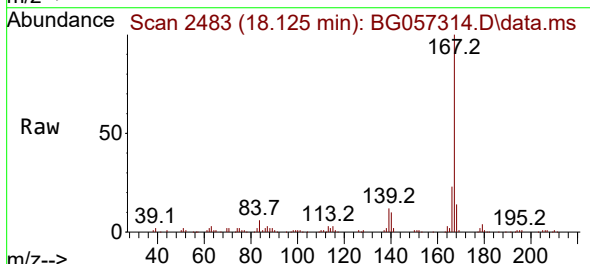
Instrument :
 BNA_G
 ClientSampleId :
 EW946

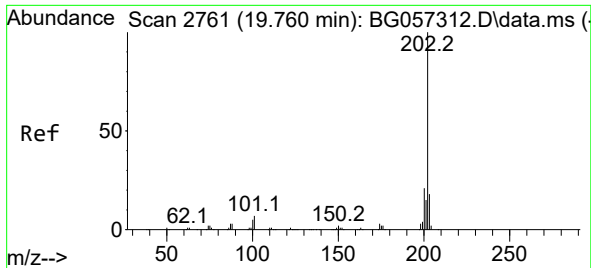
Tgt Ion:178 Resp: 244150
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.5 18.7
 176 18.4 14.7 22.1



#77
 Carbazole
 Concen: 17.627 ng/ul
 RT: 18.125 min Scan# 2483
 Delta R.T. -0.002 min
 Lab File: BG057314.D
 Acq: 5 May 2023 11:32

Tgt Ion:167 Resp: 109642
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.0 27.0
 139 12.1 10.3 15.5

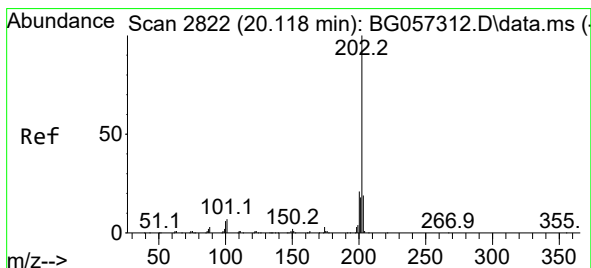
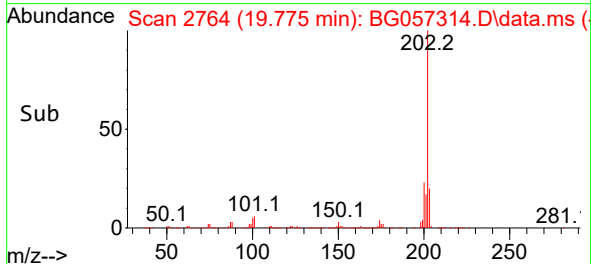
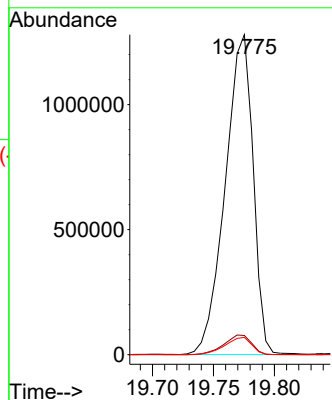
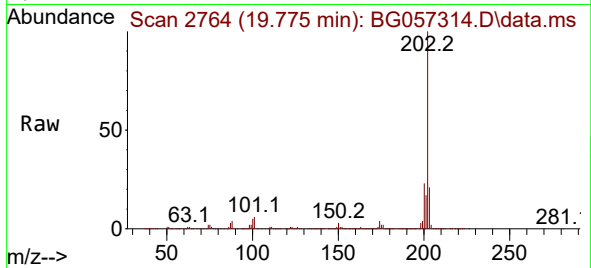




#80
Fluoranthene
Concen: 230.928 ng/ul
RT: 19.775 min Scan# 21
Delta R.T. 0.016 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

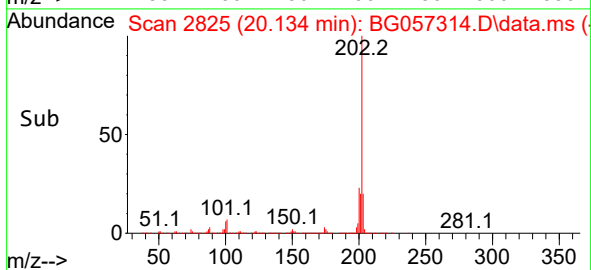
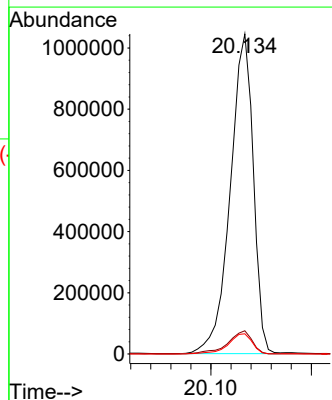
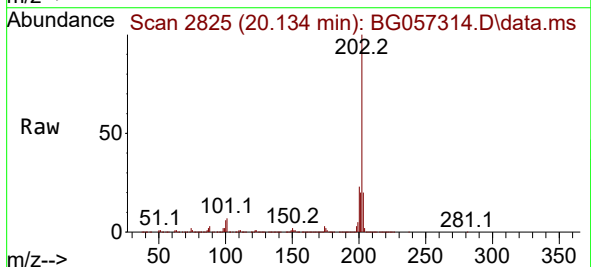
Instrument :
BNA_G
ClientSampleId :
EW946

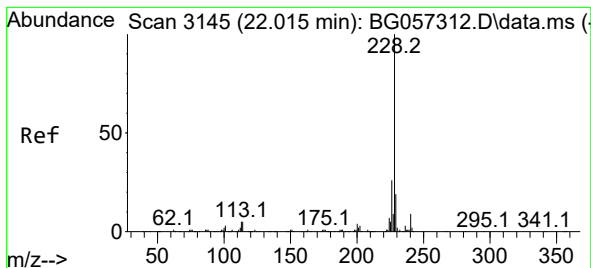
Tgt Ion:202 Resp: 2030249
Ion Ratio Lower Upper
202 100
101 6.0 5.8 8.6
100 5.4 4.6 7.0



#82
Pyrene
Concen: 187.156 ng/ul
RT: 20.134 min Scan# 2825
Delta R.T. 0.016 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

Tgt Ion:202 Resp: 1665720
Ion Ratio Lower Upper
202 100
101 7.3 5.7 8.5
100 6.3 6.0 9.0





#85

Benzo(a)anthracene

Concen: 113.376 ng/ul

RT: 22.031 min Scan# 3148

Delta R.T. 0.016 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

Instrument :

BNA_G

ClientSampleId :

EW946

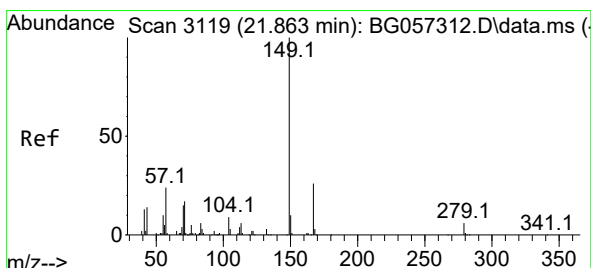
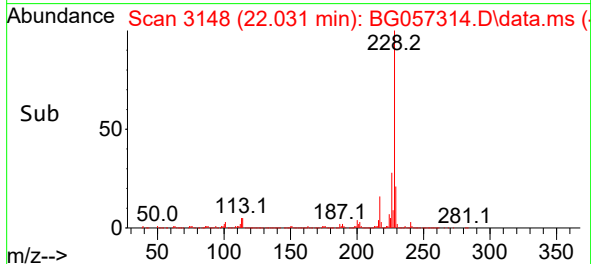
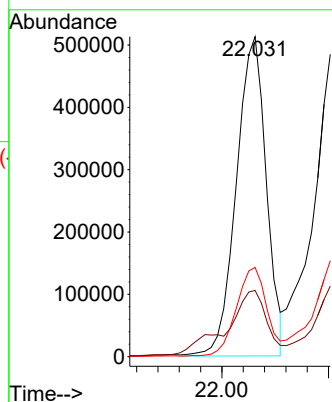
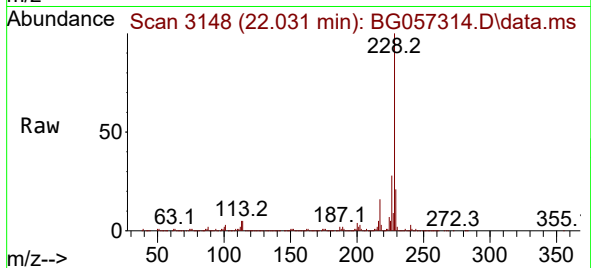
Tgt Ion:228 Resp: 999819

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

226 27.9 21.7 32.5



#86

Bis(2-ethylhexyl)phthalate

Concen: 5.864 ng/ul

RT: 21.861 min Scan# 3119

Delta R.T. -0.002 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

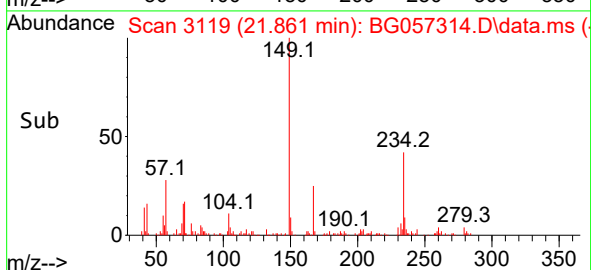
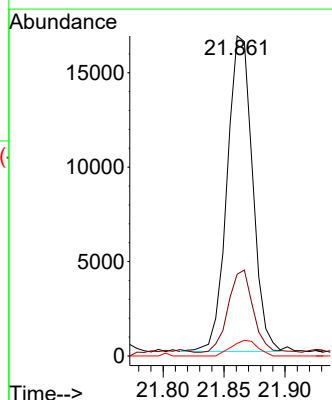
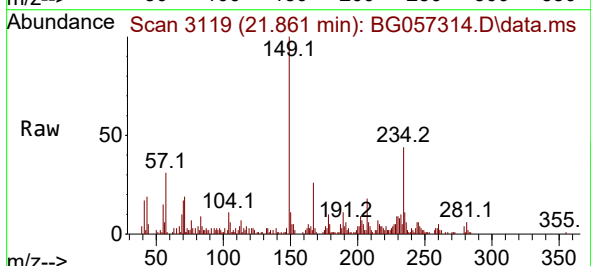
Tgt Ion:149 Resp: 24308

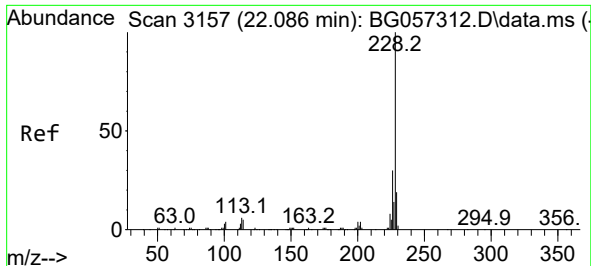
Ion Ratio Lower Upper

149 100

167 25.5 23.0 34.6

279 3.9 3.6 5.4

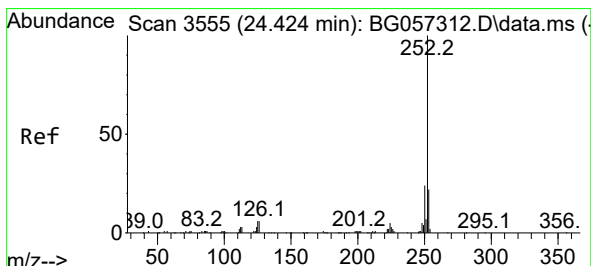
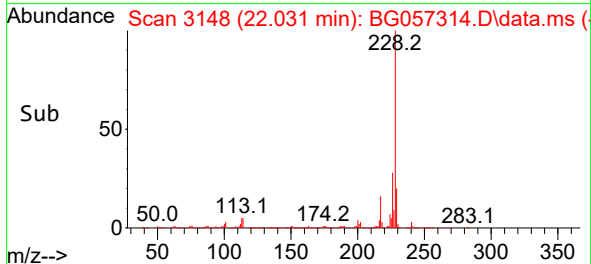
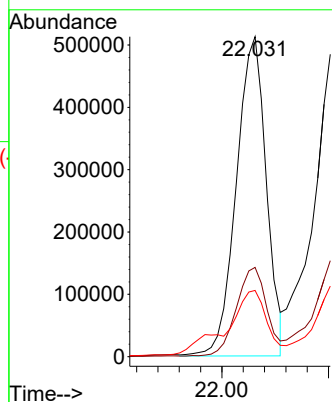
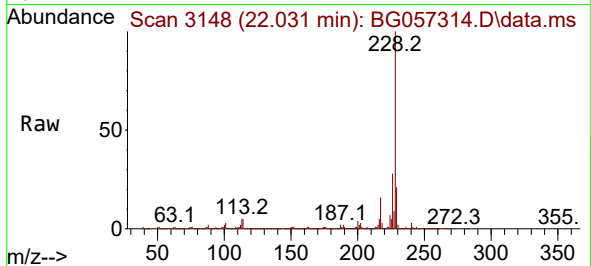




#87
Chrysene
Concen: 120.170 ng/ul
RT: 22.031 min Scan# 3157
Delta R.T. -0.055 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

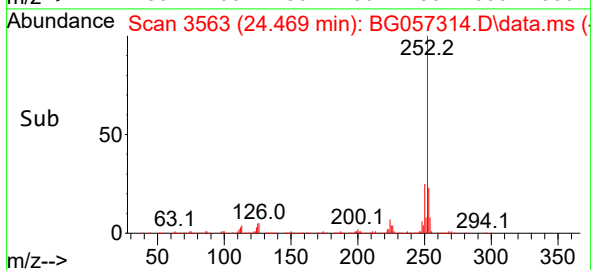
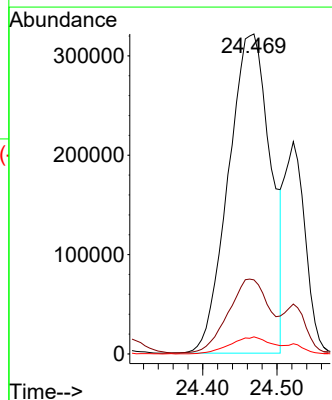
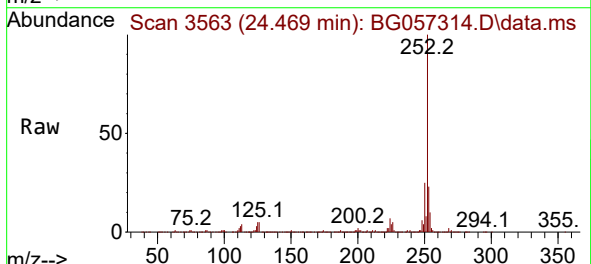
Instrument :
BNA_G
ClientSampleId :
EW946

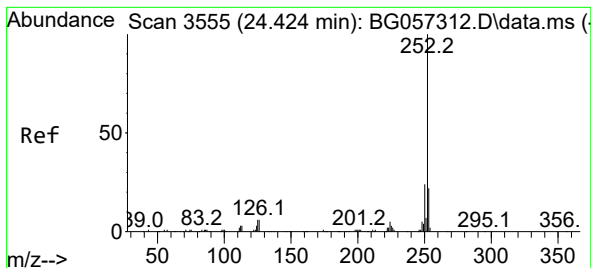
Tgt Ion:228 Resp: 999819
Ion Ratio Lower Upper
228 100
226 27.9 22.8 34.2
229 20.7 15.5 23.3



#90
Benzo(b)fluoranthene
Concen: 132.423 ng/ul
RT: 24.469 min Scan# 3563
Delta R.T. 0.045 min
Lab File: BG057314.D
Acq: 5 May 2023 11:32

Tgt Ion:252 Resp: 1265182
Ion Ratio Lower Upper
252 100
253 23.1 16.7 25.1
125 5.4 4.8 7.2





#91

Benzo(k)fluoranthene

Concen: 37.158 ng/ul

RT: 24.522 min Scan# 3

Delta R.T. 0.027 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

Instrument :

BNA_G

ClientSampleId :

EW946

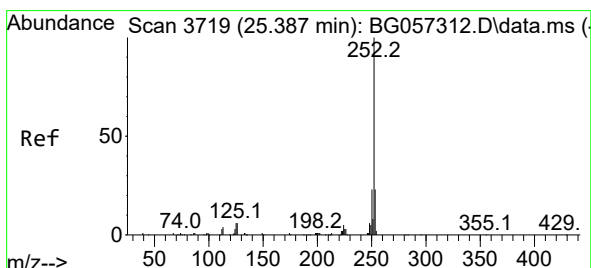
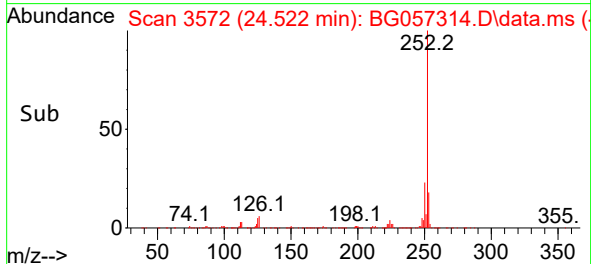
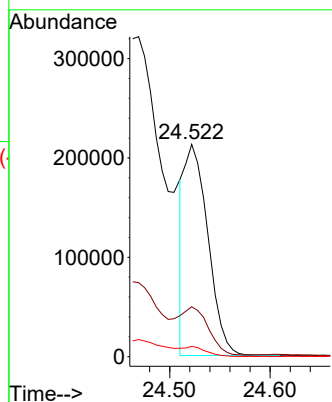
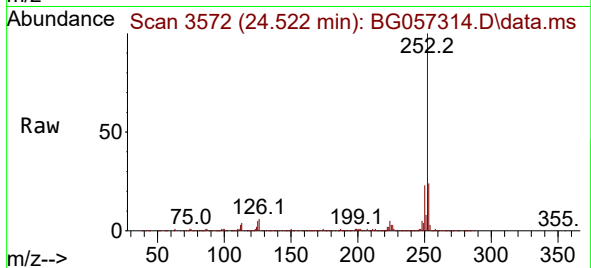
Tgt Ion:252 Resp: 345381

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 4.9 4.5 6.7



#93

Benzo(a)pyrene

Concen: 62.143 ng/ul

RT: 25.250 min Scan# 3696

Delta R.T. -0.137 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

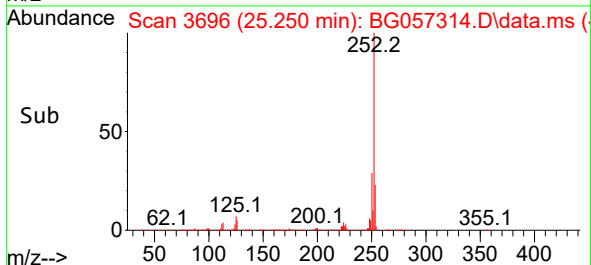
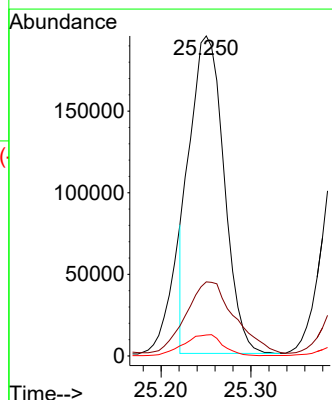
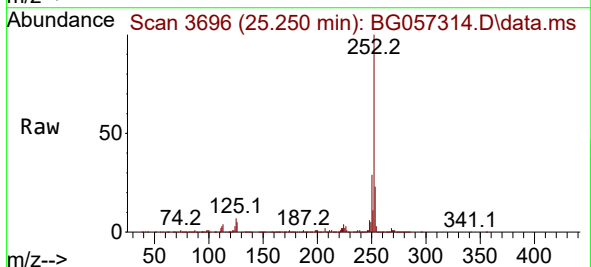
Tgt Ion:252 Resp: 512574

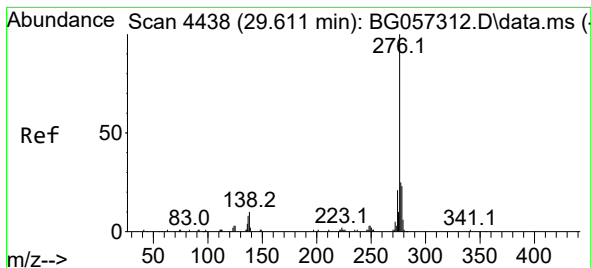
Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 6.6 5.1 7.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 54.603 ng/ul

RT: 29.668 min Scan# 4448

Delta R.T. 0.057 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

Instrument :

BNA_G

ClientSampleId :

EW946

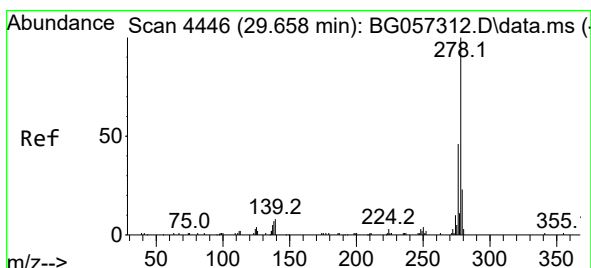
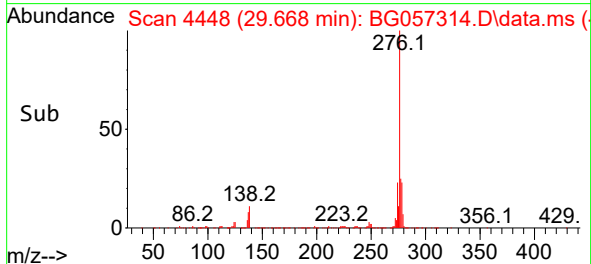
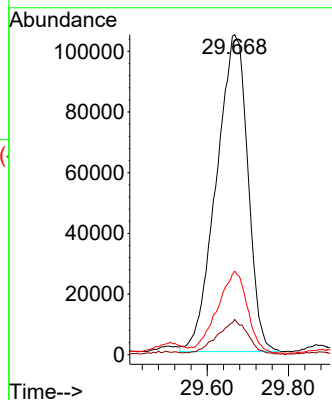
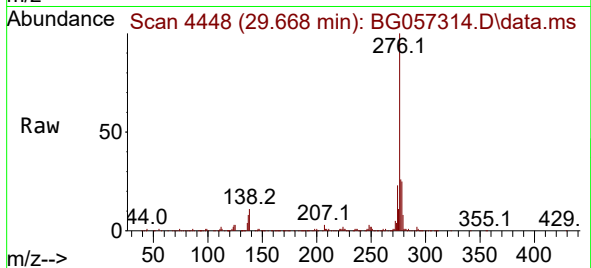
Tgt Ion:276 Resp: 562988

Ion Ratio Lower Upper

276 100

138 11.0 9.4 14.2

277 26.1 18.6 28.0



#95

Dibenzo(a,h)anthracene

Concen: 1.195 ng/ul

RT: 29.521 min Scan# 4423

Delta R.T. -0.137 min

Lab File: BG057314.D

Acq: 5 May 2023 11:32

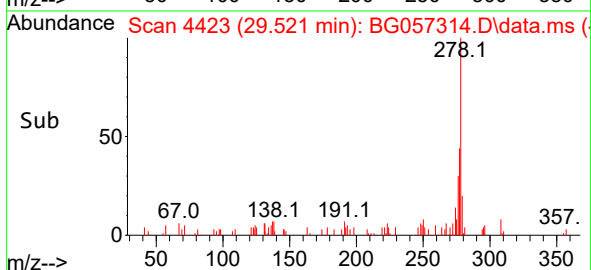
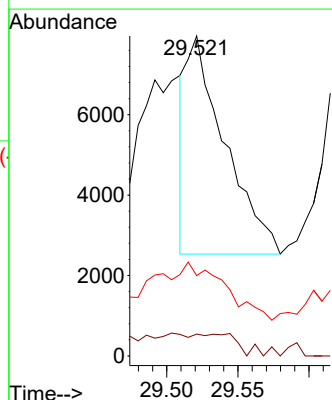
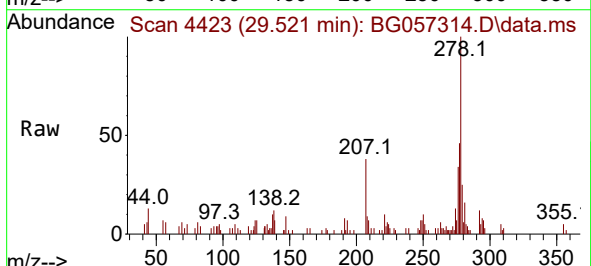
Tgt Ion:278 Resp: 10217

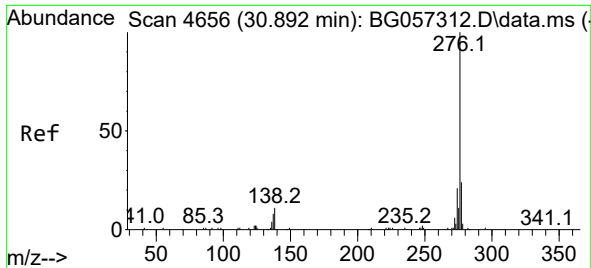
Ion Ratio Lower Upper

278 100

139 6.8 5.8 8.6

279 25.1 18.3 27.5





#96
 Benzo(g,h,i)perylene
 Concen: 55.053 ng/ul
 RT: 30.943 min Scan# 4
 Delta R.T. 0.051 min
 Lab File: BG057314.D
 Acq: 5 May 2023 11:32

Instrument :
 BNA_G
 ClientSampleId :
 EW946

Tgt Ion:276 Resp: 459394
 Ion Ratio Lower Upper
 276 100
 138 9.9 8.7 13.1
 277 22.7 18.4 27.6

