

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042623\
 Data File : BG057196.D
 Acq On : 26 Apr 2023 17:26
 Operator : CG/JU
 Sample : 02786-19DL2 125X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SPA-5WC-23-04DL2

Quant Time: Apr 27 03:07:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 03:02:41 2023
 Response via : Initial Calibration

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

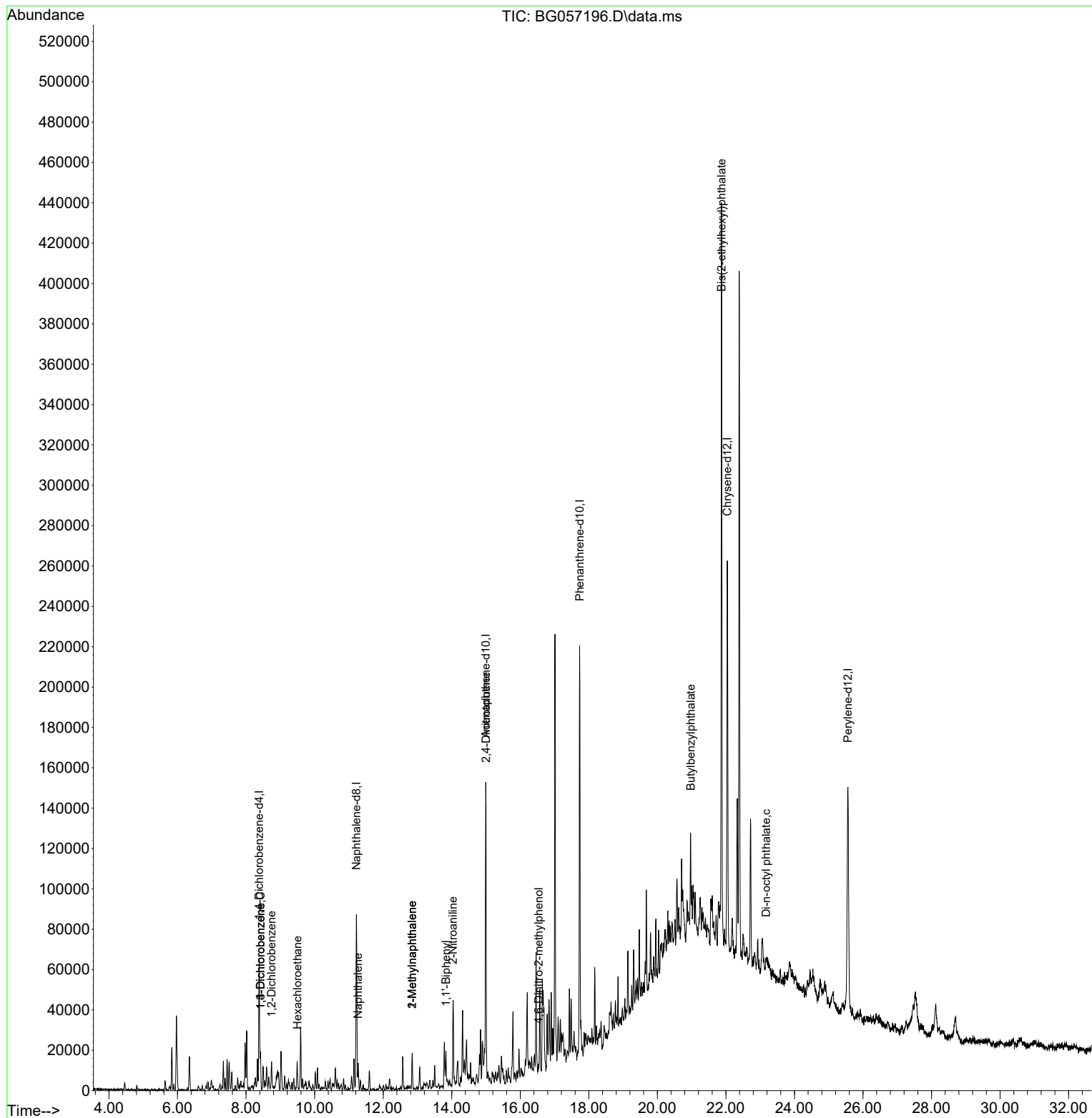
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.378	152	17632	20.000	ng	0.00
21) Naphthalene-d8	11.215	136	70499	20.000	ng	0.00
39) Acenaphthene-d10	14.993	164	50576	20.000	ng	0.00
64) Phenanthrene-d10	17.730	188	129094	20.000	ng	0.00
76) Chrysene-d12	22.042	240	119459	20.000	ng	0.00
86) Perylene-d12	25.561	264	129721	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.899	112	443	0.455	ng	0.00
7) Phenol-d6	7.520	99	727	0.516	ng	0.00
23) Nitrobenzene-d5	9.559	82	481	0.337	ng	0.00
42) 2,4,6-Tribromophenol	16.473	330	278	0.417	ng	0.00
45) 2-Fluorobiphenyl	13.618	172	1544	0.410	ng	0.00
79) Terphenyl-d14	20.297	244	3202	0.469	ng	0.00
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	8.419	146	5964	4.939	ng	98
13) 1,4-Dichlorobenzene	8.419	146	5964	4.901	ng	96
14) 1,2-Dichlorobenzene	8.742	146	5149	4.383	ng	98
18) Hexachloroethane	9.500	117	907	2.197	ng	# 1
31) Naphthalene	11.268	128	9678	2.585	ng	# 94
37) 2-Methylnaphthalene	12.849	142	8758	2.972	ng	87
38) 1-Methylnaphthalene	12.849	142	8758	3.219	ng	91
46) 1,1'-Biphenyl	13.830	154	8426	2.235	ng	95
48) 2-Nitroaniline	14.035	65	1617	6.682	ng	# 4
57) 2,4-Dinitrotoluene	14.999	165	6661	6.602	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.538	198	56	4.953	ng	# 10
80) Butylbenzylphthalate	20.973	149	2930	4.508	ng	# 36
84) Bis(2-ethylhexyl)phtha...	21.872	149	157046	47.002	ng	97
85) Di-n-octyl phthalate	23.176	149	11503	2.147	ng	# 89

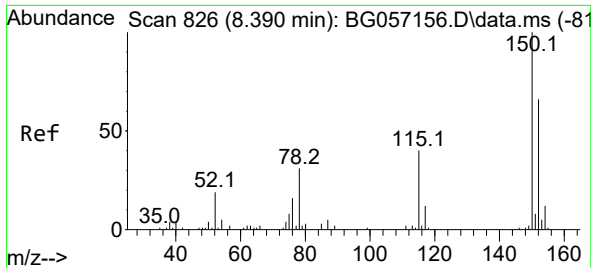
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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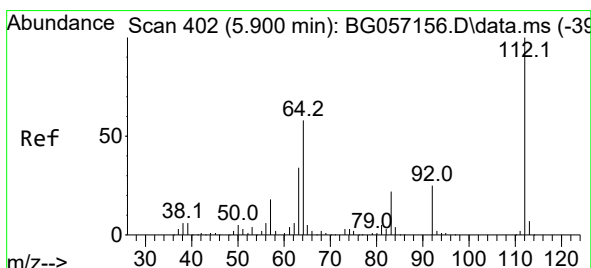
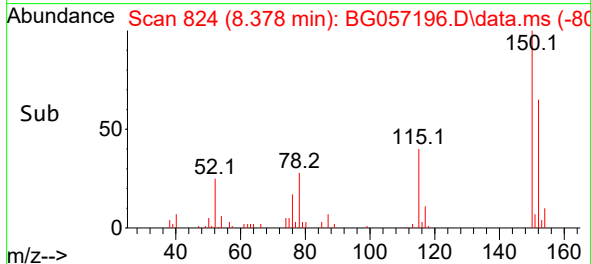
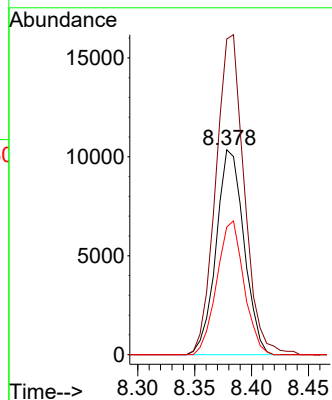
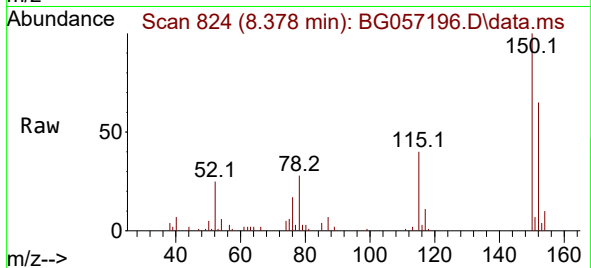




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.378 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

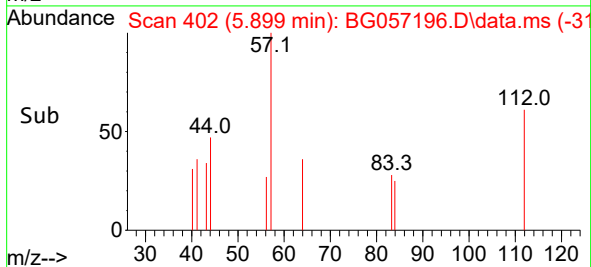
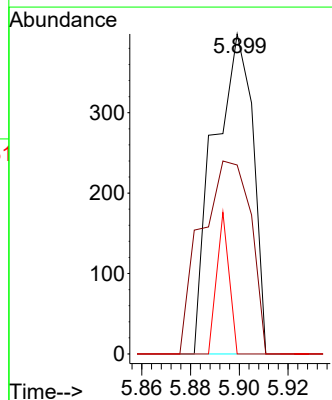
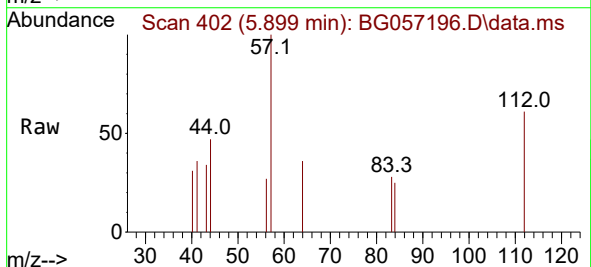
Instrument :
BNA_G
ClientSampleId :
SPA-5WC-23-04DL2

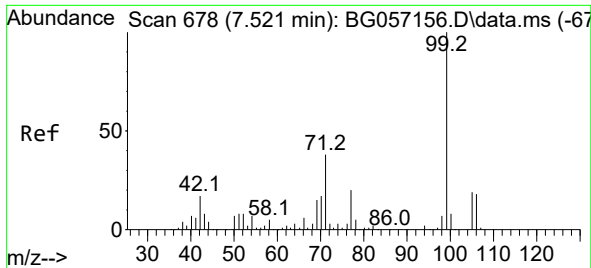
Tgt Ion:152 Resp: 17632
Ion Ratio Lower Upper
152 100
150 154.1 121.4 182.2
115 62.3 48.1 72.1



#5
2-Fluorophenol
Concen: 0.455 ng
RT: 5.899 min Scan# 402
Delta R.T. 0.007 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

Tgt Ion:112 Resp: 443
Ion Ratio Lower Upper
112 100
64 59.0 46.7 70.1
63 0.0 26.9 40.3#

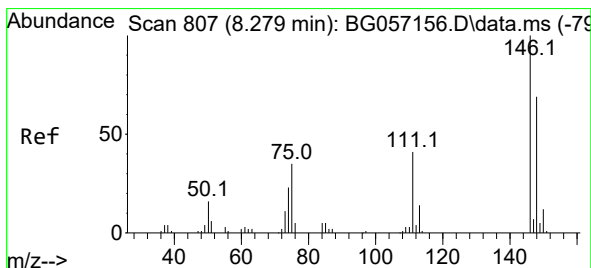
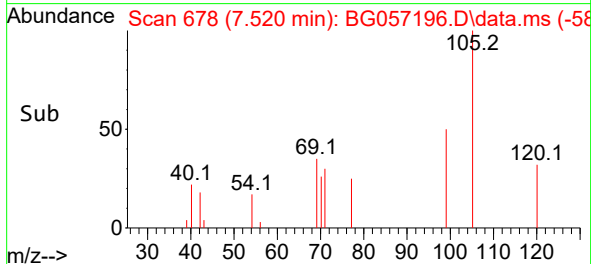
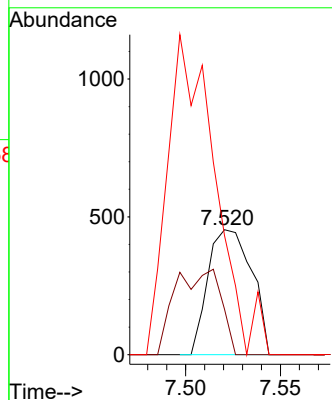
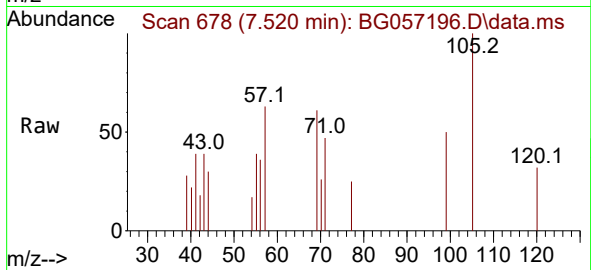




#7
Phenol-d6
Concen: 0.516 ng
RT: 7.520 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

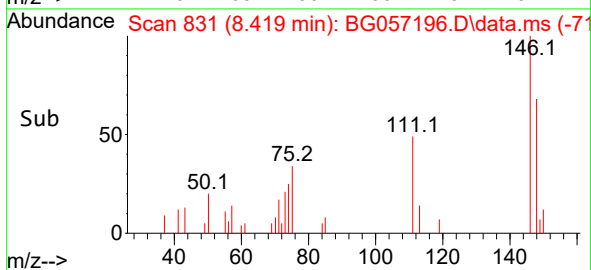
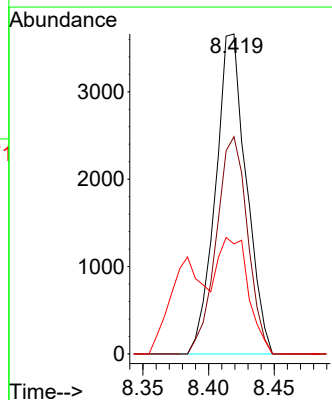
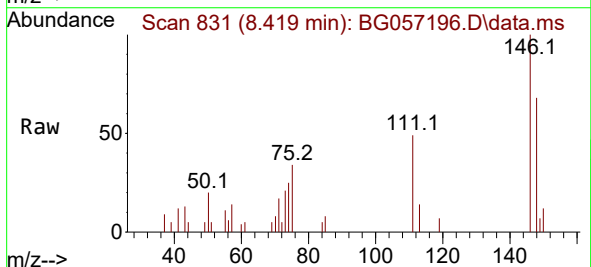
Instrument :
BNA_G
ClientSampleId :
SPA-5WC-23-04DL2

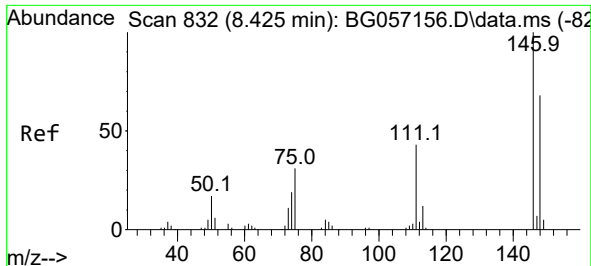
Tgt Ion: 99 Resp: 727
Ion Ratio Lower Upper
99 100
42 36.4 13.4 20.0#
71 95.4 30.2 45.2#



#12
1,3-Dichlorobenzene
Concen: 4.939 ng
RT: 8.419 min Scan# 831
Delta R.T. 0.148 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

Tgt Ion: 146 Resp: 5964
Ion Ratio Lower Upper
146 100
148 67.9 55.4 83.2
75 34.4 28.2 42.4

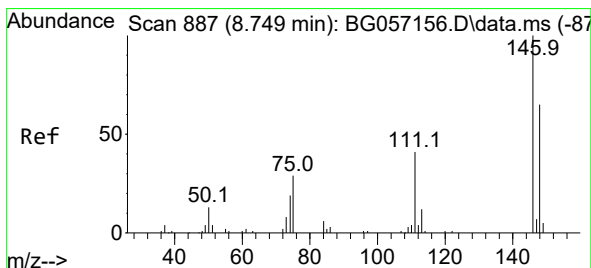
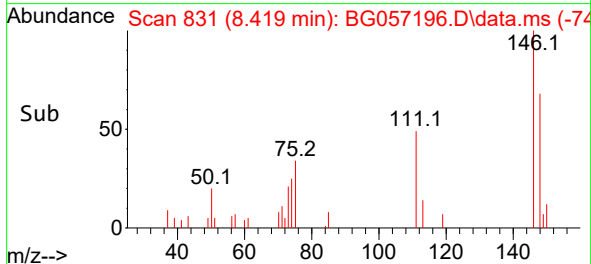
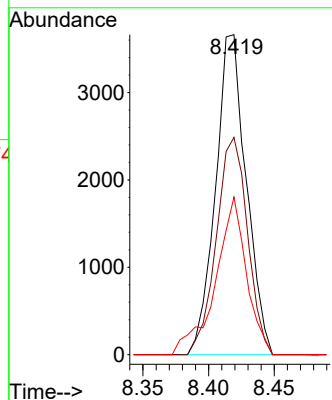
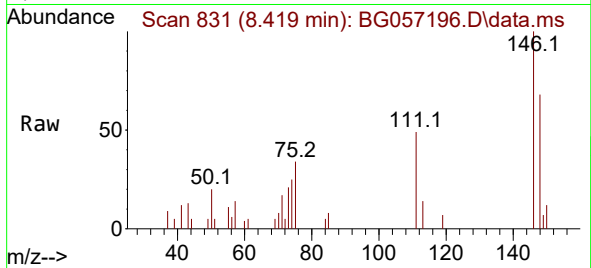




#13
1,4-Dichlorobenzene
Concen: 4.901 ng
RT: 8.419 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

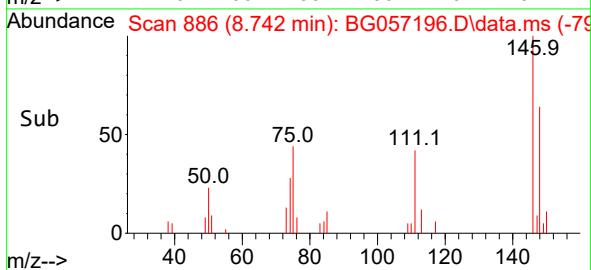
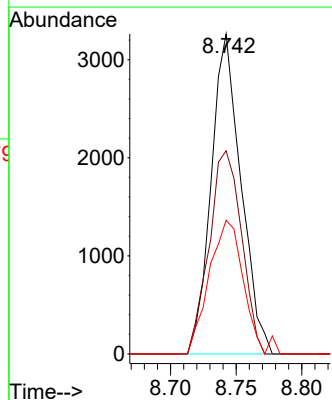
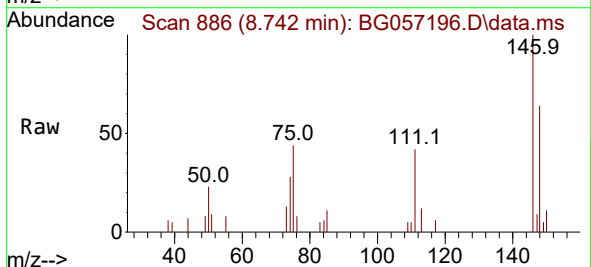
Instrument :
BNA_G
ClientSampleId :
SPA-5WC-23-04DL2

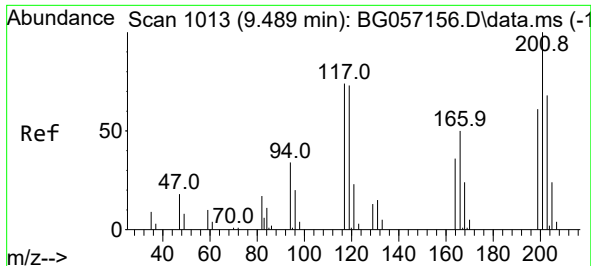
Tgt Ion:146 Resp: 5964
Ion Ratio Lower Upper
146 100
148 67.9 54.3 81.5
111 49.3 34.2 51.4



#14
1,2-Dichlorobenzene
Concen: 4.383 ng
RT: 8.742 min Scan# 886
Delta R.T. 0.001 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

Tgt Ion:146 Resp: 5149
Ion Ratio Lower Upper
146 100
148 63.5 52.3 78.5
111 41.8 33.1 49.7

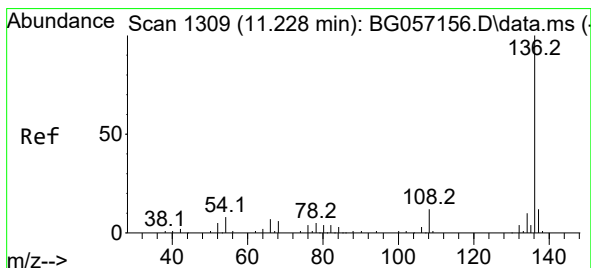
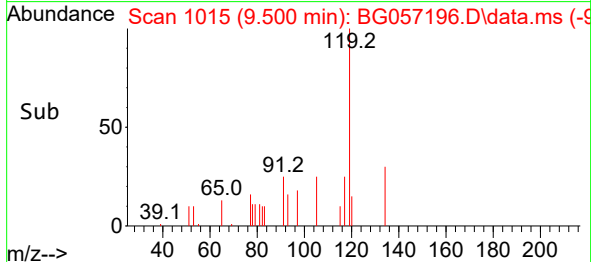
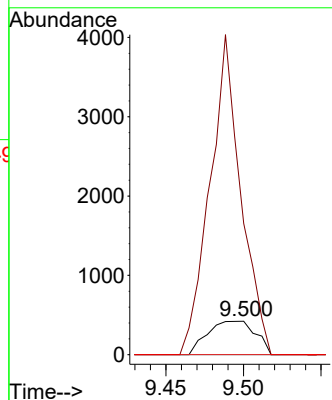
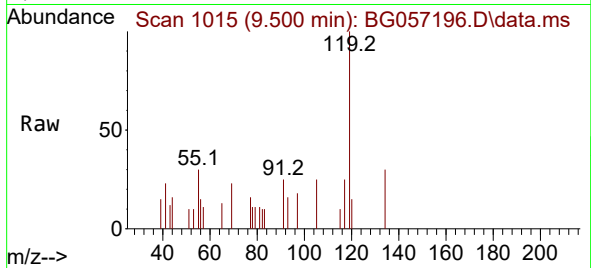




#18
Hexachloroethane
Concen: 2.197 ng
RT: 9.500 min Scan# 1013
Delta R.T. 0.018 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

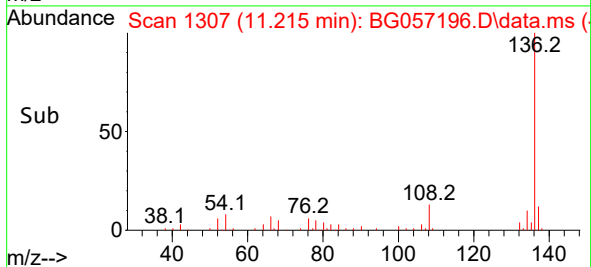
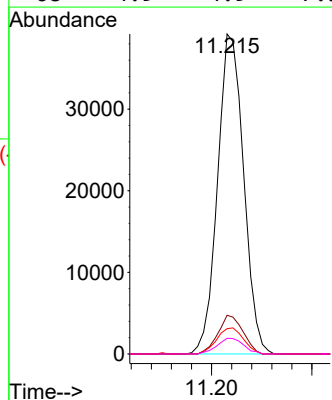
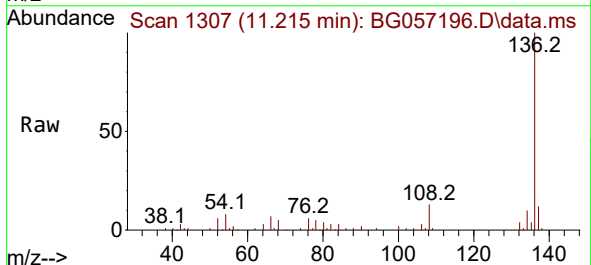
Instrument :
BNA_G
ClientSampleId :
SPA-5WC-23-04DL2

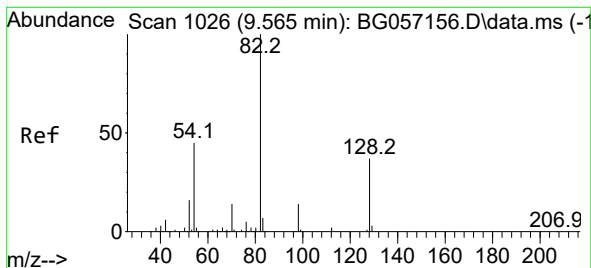
Tgt Ion:117 Resp: 907
Ion Ratio Lower Upper
117 100
119 392.2 78.3 117.5#
201 0.0 107.6 161.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.215 min Scan# 1307
Delta R.T. -0.005 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

Tgt Ion:136 Resp: 70499
Ion Ratio Lower Upper
136 100
137 12.1 9.5 14.3
54 7.9 6.4 9.6
68 4.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 0.337 ng

RT: 9.559 min Scan# 1025

Delta R.T. 0.001 min

Lab File: BG057196.D

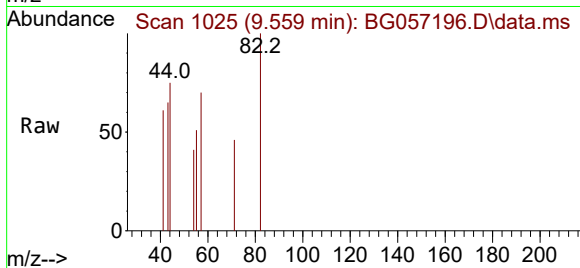
Acq: 26 Apr 2023 17:26

Instrument :

BNA_G

ClientSampleId :

SPA-5WC-23-04DL2



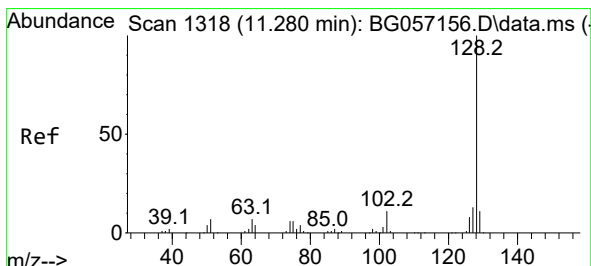
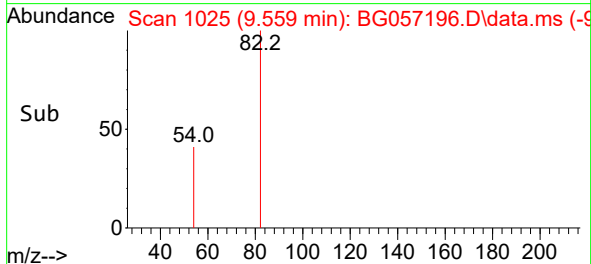
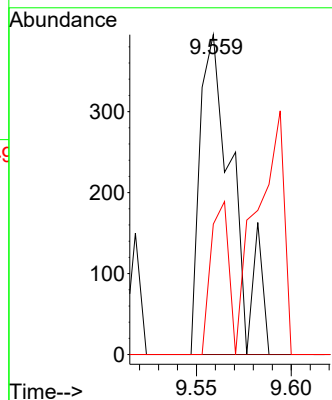
Tgt Ion: 82 Resp: 481

Ion Ratio Lower Upper

82 100

128 0.0 29.4 44.2#

54 40.8 36.2 54.2



#31

Naphthalene

Concen: 2.585 ng

RT: 11.268 min Scan# 1316

Delta R.T. -0.005 min

Lab File: BG057196.D

Acq: 26 Apr 2023 17:26

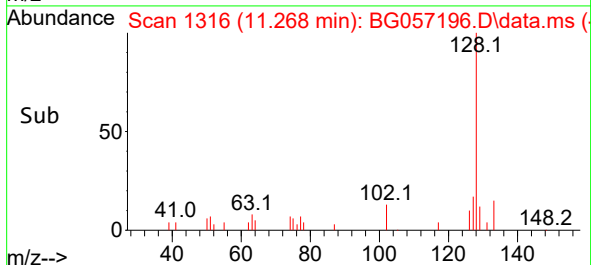
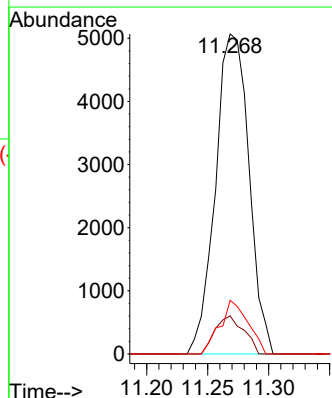
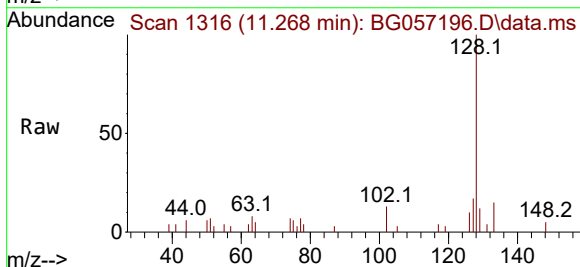
Tgt Ion: 128 Resp: 9678

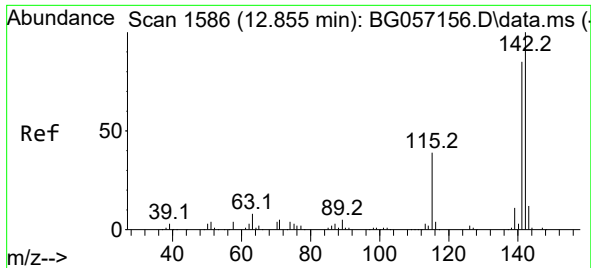
Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

127 16.8 10.6 16.0#





#37

2-Methylnaphthalene

Concen: 2.972 ng

RT: 12.849 min Scan# 1585

Delta R.T. 0.001 min

Lab File: BG057196.D

Acq: 26 Apr 2023 17:26

Instrument :

BNA_G

ClientSampleId :

SPA-5WC-23-04DL2

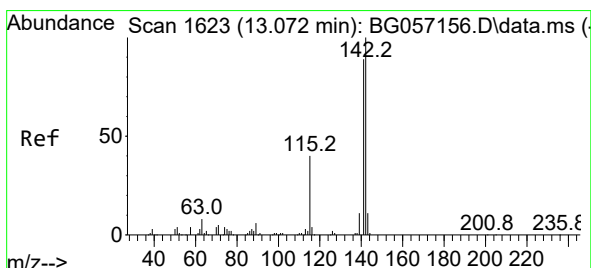
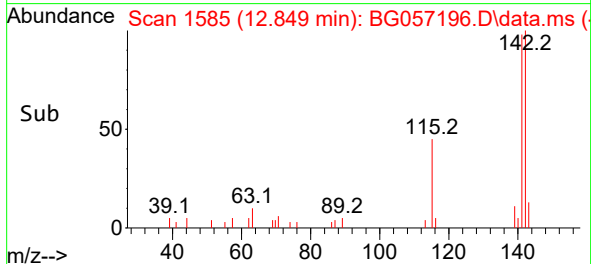
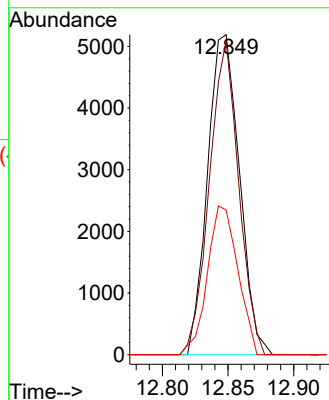
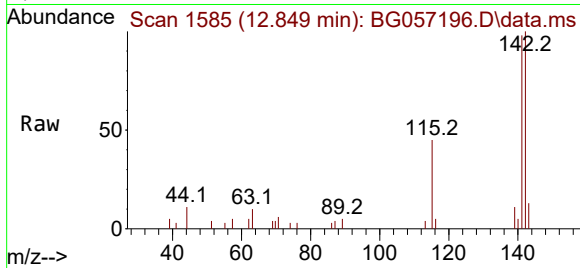
Tgt Ion:142 Resp: 8758

Ion Ratio Lower Upper

142 100

141 98.2 68.1 102.1

115 45.2 31.0 46.4



#38

1-Methylnaphthalene

Concen: 3.219 ng

RT: 12.849 min Scan# 1585

Delta R.T. -0.217 min

Lab File: BG057196.D

Acq: 26 Apr 2023 17:26

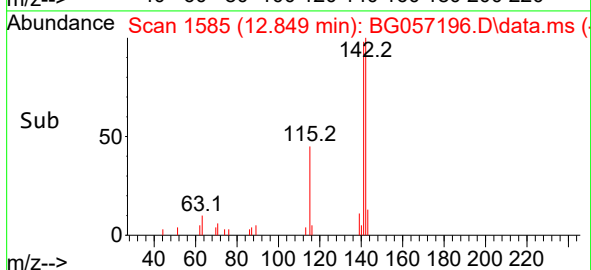
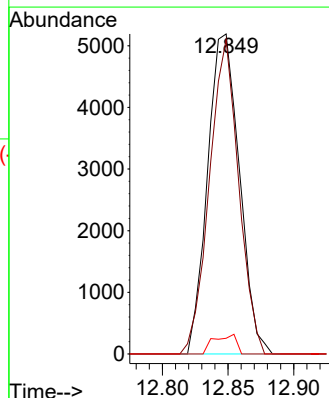
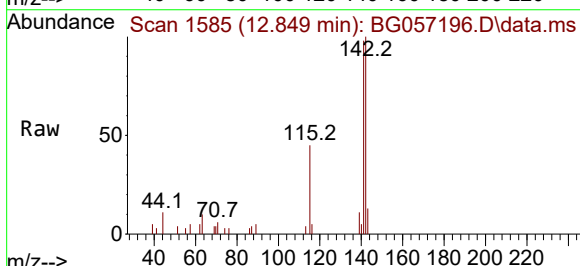
Tgt Ion:142 Resp: 8758

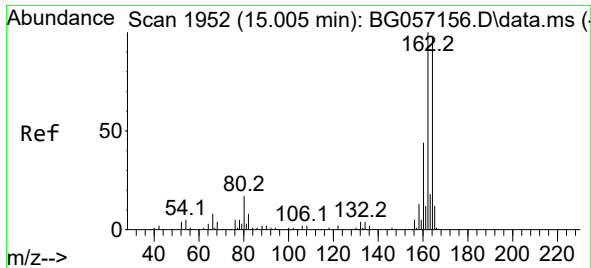
Ion Ratio Lower Upper

142 100

141 98.2 71.6 107.4

116 4.9 3.3 4.9

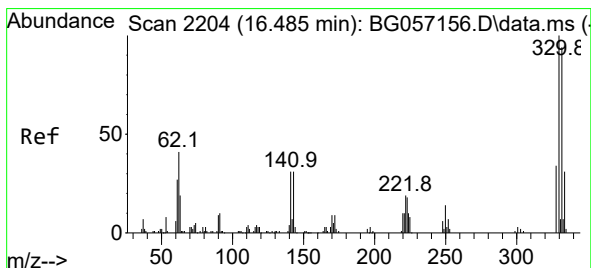
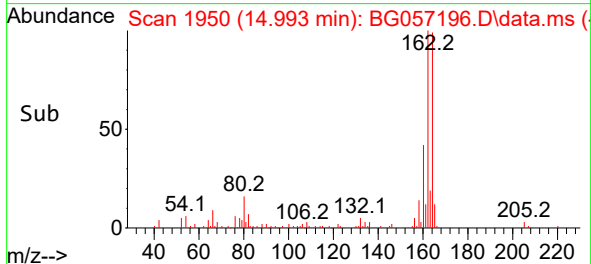
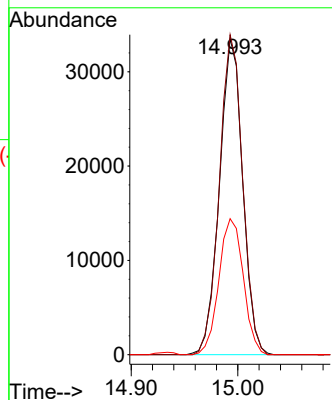
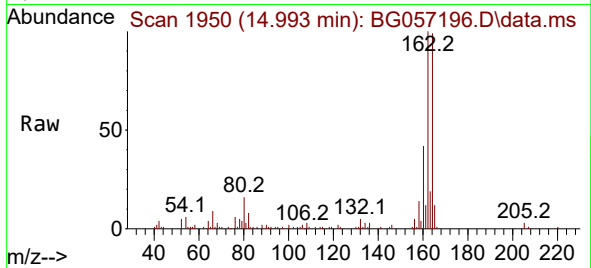




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.993 min Scan# 1952
Delta R.T. 0.001 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

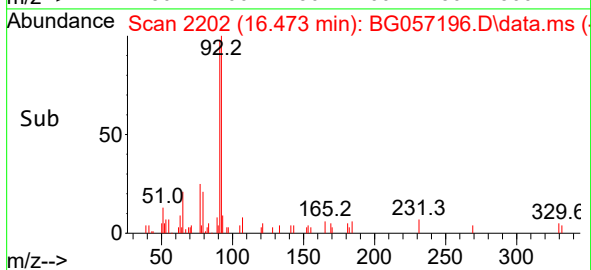
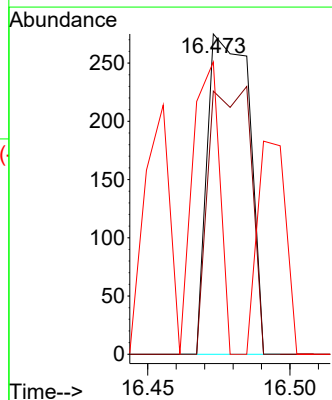
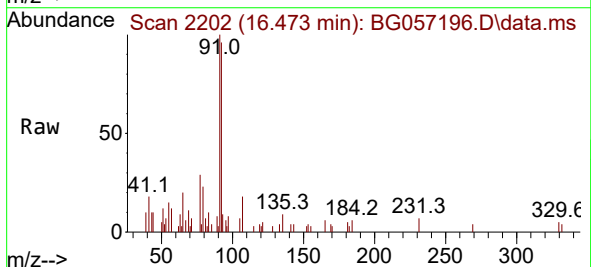
Instrument :
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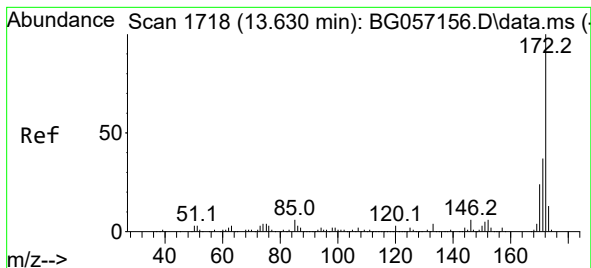
Tgt Ion:164 Resp: 50576
Ion Ratio Lower Upper
164 100
162 101.3 82.4 123.6
160 43.0 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 0.417 ng
RT: 16.473 min Scan# 2202
Delta R.T. -0.005 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

Tgt Ion:330 Resp: 278
Ion Ratio Lower Upper
330 100
332 0.0 77.6 116.4#
141 59.4 26.0 39.0#





#45

2-Fluorobiphenyl

Concen: 0.410 ng

RT: 13.618 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG057196.D

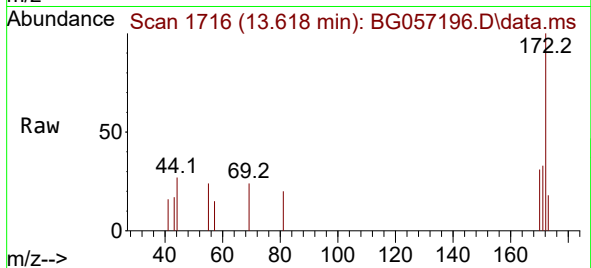
Acq: 26 Apr 2023 17:26

Instrument :

BNA_G

ClientSampleId :

SPA-5WC-23-04DL2



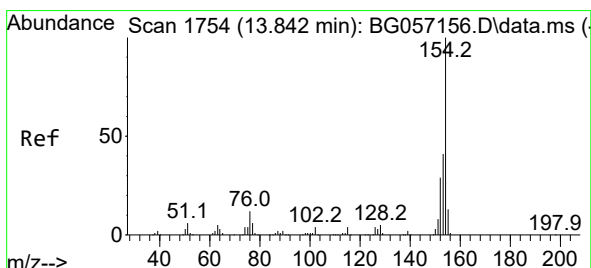
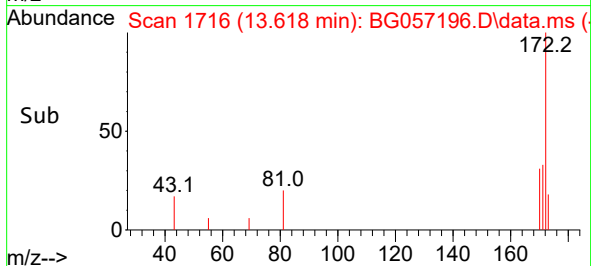
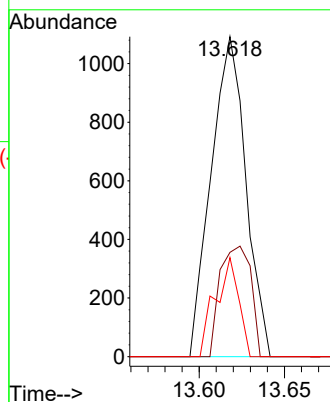
Tgt Ion:172 Resp: 1544

Ion Ratio Lower Upper

172 100

171 32.6 29.2 43.8

170 31.0 19.4 29.2#



#46

1,1'-Biphenyl

Concen: 2.235 ng

RT: 13.830 min Scan# 1752

Delta R.T. -0.005 min

Lab File: BG057196.D

Acq: 26 Apr 2023 17:26

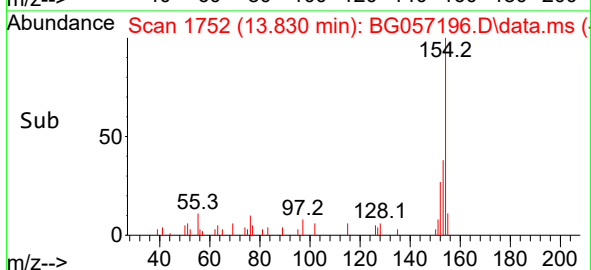
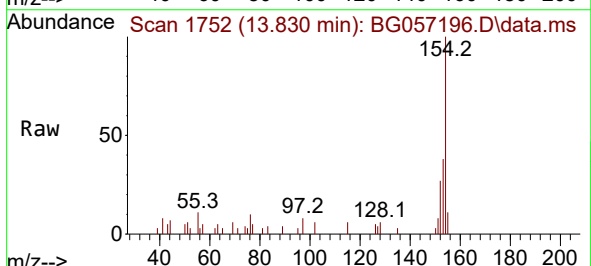
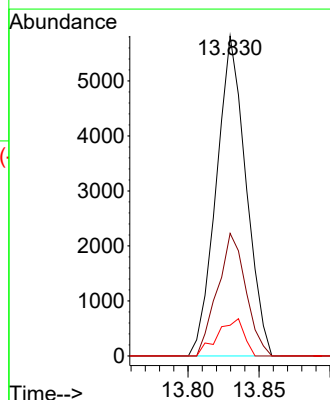
Tgt Ion:154 Resp: 8426

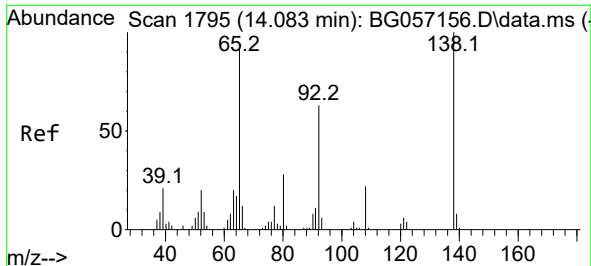
Ion Ratio Lower Upper

154 100

153 38.3 20.9 60.9

76 9.6 0.0 32.3





#48

2-Nitroaniline

Concen: 6.682 ng

RT: 14.035 min Scan# 1

Delta R.T. -0.046 min

Lab File: BG057196.D

Acq: 26 Apr 2023 17:26

Instrument :

BNA_G

ClientSampleId :

SPA-5WC-23-04DL2

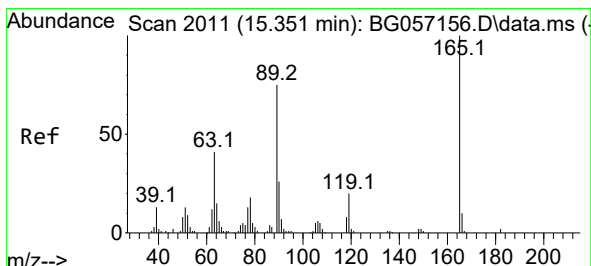
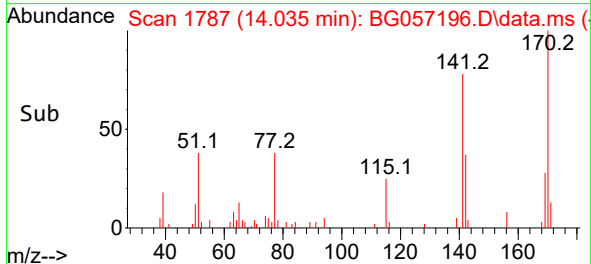
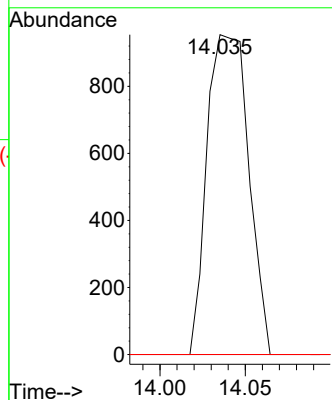
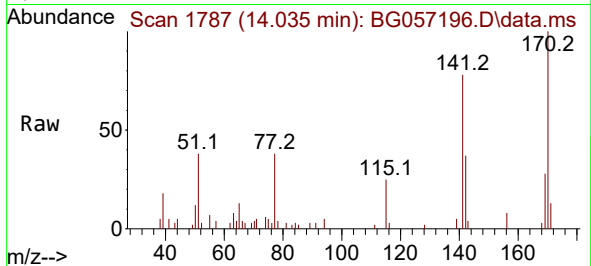
Tgt Ion: 65 Resp: 1617

Ion Ratio Lower Upper

65 100

92 0.0 54.9 82.3#

138 0.0 86.6 129.8#



#57

2,4-Dinitrotoluene

Concen: 6.602 ng

RT: 14.999 min Scan# 1951

Delta R.T. -0.346 min

Lab File: BG057196.D

Acq: 26 Apr 2023 17:26

Tgt Ion:165 Resp: 6661

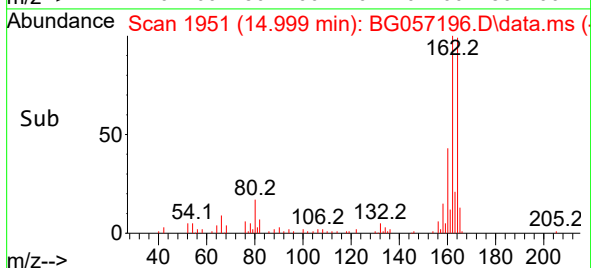
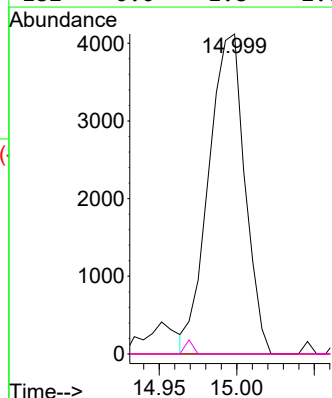
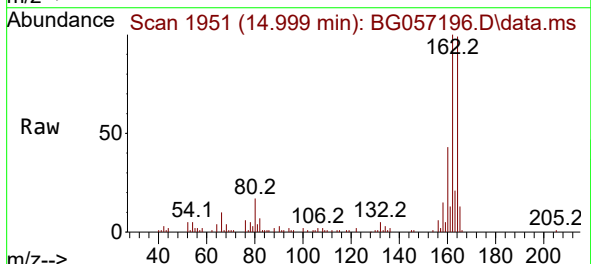
Ion Ratio Lower Upper

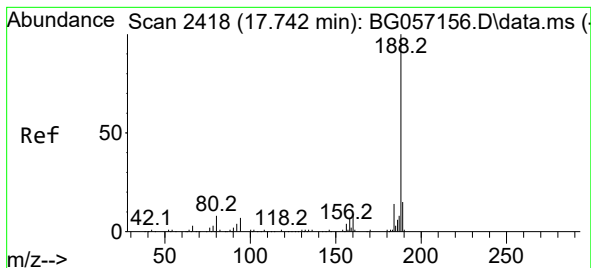
165 100

63 0.0 33.0 49.4#

89 0.0 60.0 90.0#

182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.730 min Scan# 2418

Delta R.T. -0.005 min

Lab File: BG057196.D

Acq: 26 Apr 2023 17:26

Instrument :

BNA_G

ClientSampleId :

SPA-5WC-23-04DL2

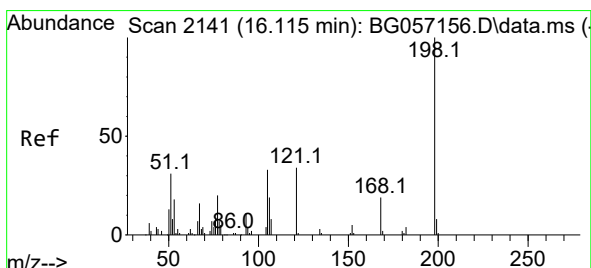
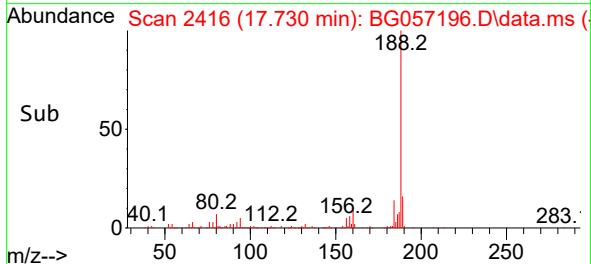
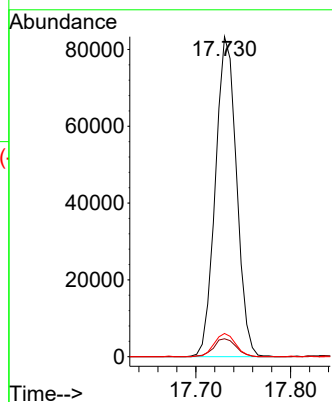
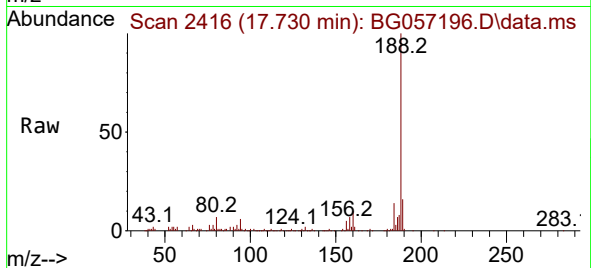
Tgt Ion:188 Resp: 129094

Ion Ratio Lower Upper

188 100

94 5.6 5.4 8.0

80 7.3 6.2 9.2



#65

4,6-Dinitro-2-methylphenol

Concen: 4.953 ng

RT: 16.538 min Scan# 2213

Delta R.T. 0.430 min

Lab File: BG057196.D

Acq: 26 Apr 2023 17:26

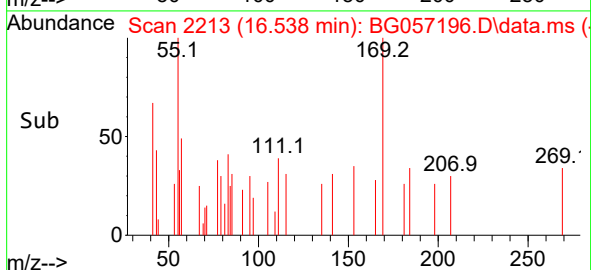
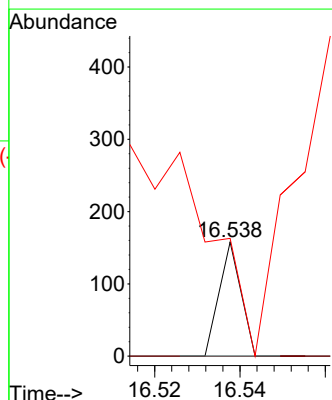
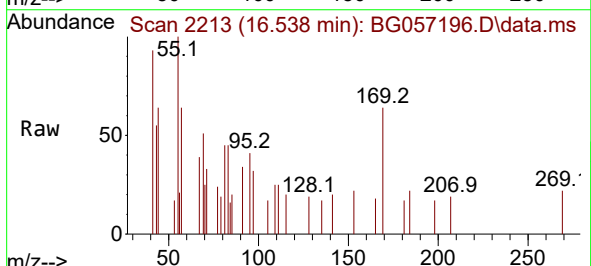
Tgt Ion:198 Resp: 56

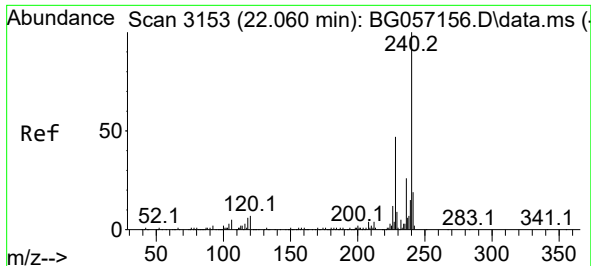
Ion Ratio Lower Upper

198 100

51 0.0 13.1 53.1#

105 103.2 14.1 54.1#

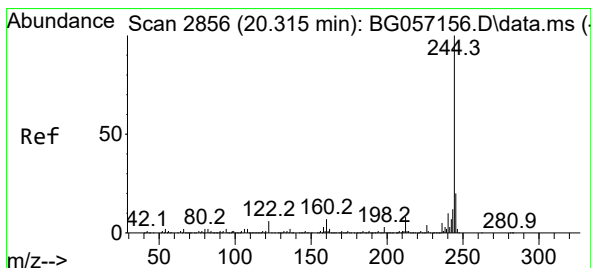
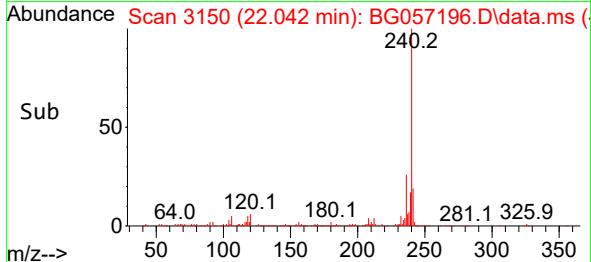
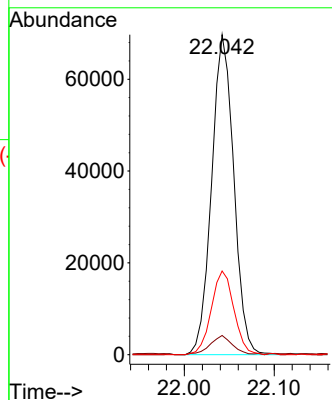
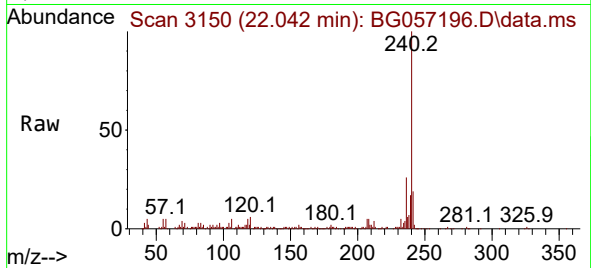




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3153
Delta R.T. -0.005 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

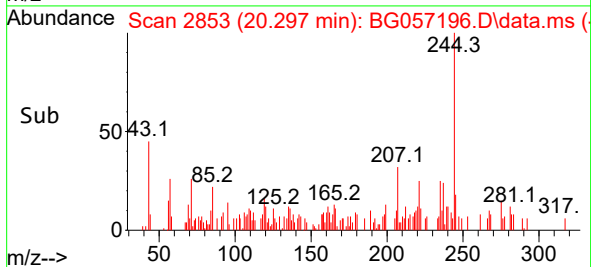
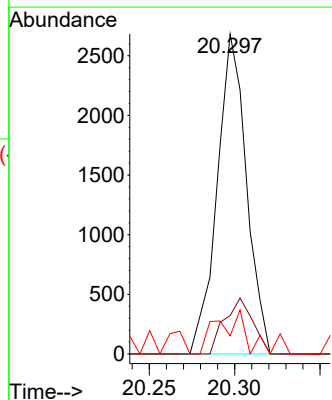
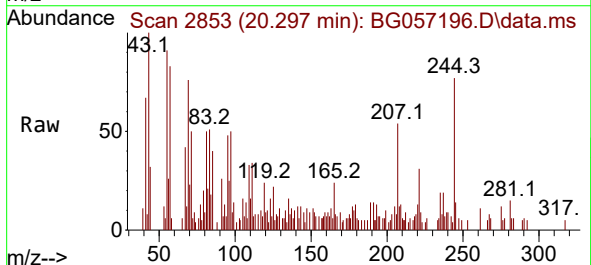
Instrument :
BNA_G
ClientSampleId :
SPA-5WC-23-04DL2

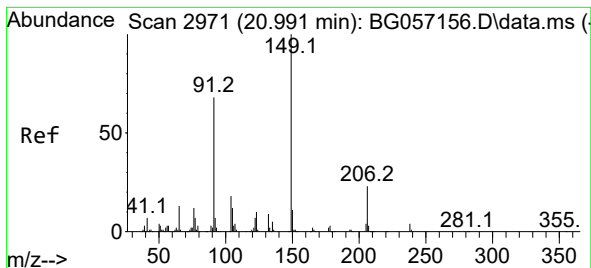
Tgt Ion:240 Resp: 119459
Ion Ratio Lower Upper
240 100
120 6.0 5.5 8.3
236 26.2 20.8 31.2



#79
Terphenyl-d14
Concen: 0.469 ng
RT: 20.297 min Scan# 2853
Delta R.T. -0.005 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

Tgt Ion:244 Resp: 3202
Ion Ratio Lower Upper
244 100
212 12.0 6.0 9.0#
122 5.7 5.0 7.4





#80

Butylbenzylphthalate

Concen: 4.508 ng

RT: 20.973 min Scan# 2971

Delta R.T. -0.005 min

Lab File: BG057196.D

Acq: 26 Apr 2023 17:26

Instrument :

BNA_G

ClientSampleId :

SPA-5WC-23-04DL2

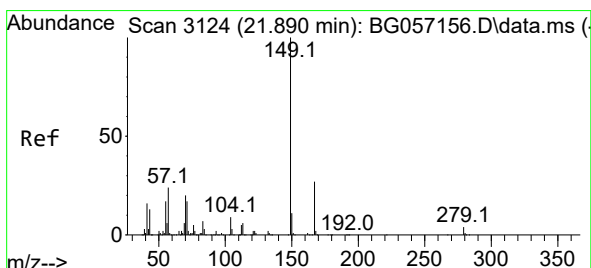
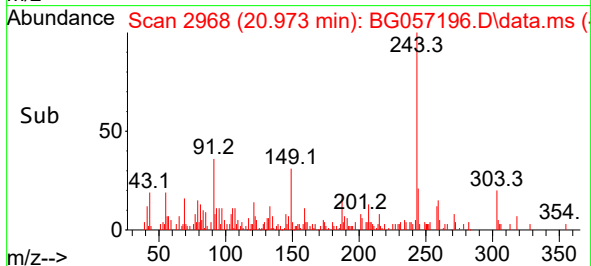
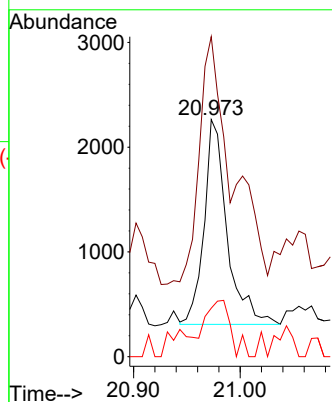
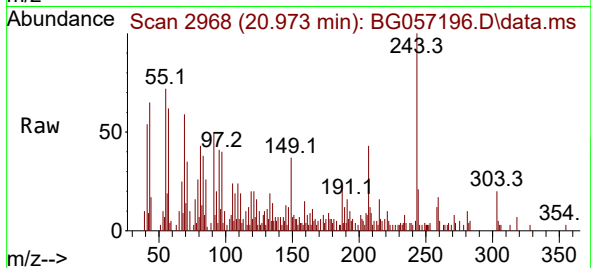
Tgt Ion:149 Resp: 2930

Ion Ratio Lower Upper

149 100

91 134.9 54.1 81.1#

206 20.4 18.2 27.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.002 ng

RT: 21.872 min Scan# 3121

Delta R.T. 0.001 min

Lab File: BG057196.D

Acq: 26 Apr 2023 17:26

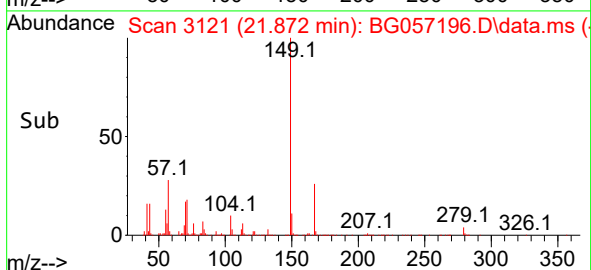
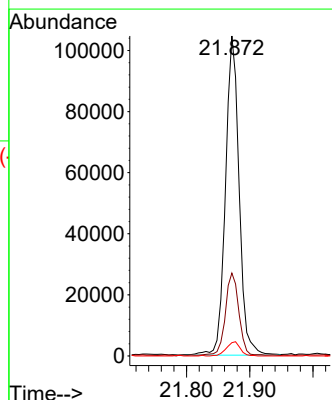
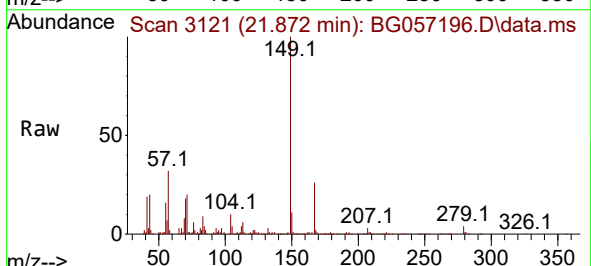
Tgt Ion:149 Resp: 157046

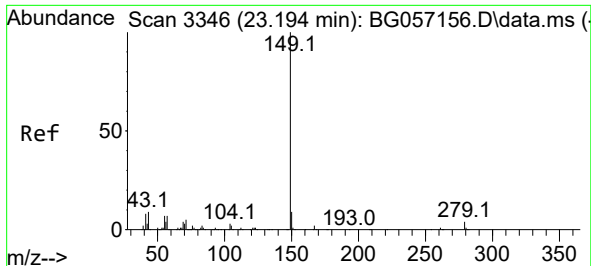
Ion Ratio Lower Upper

149 100

167 25.9 21.9 32.9

279 4.2 3.3 4.9

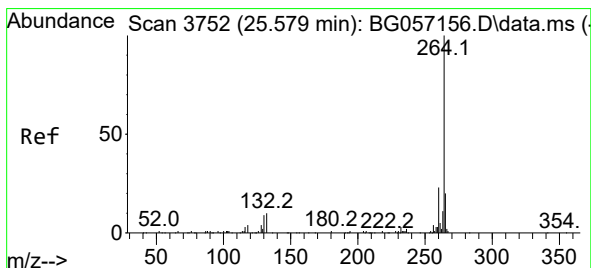
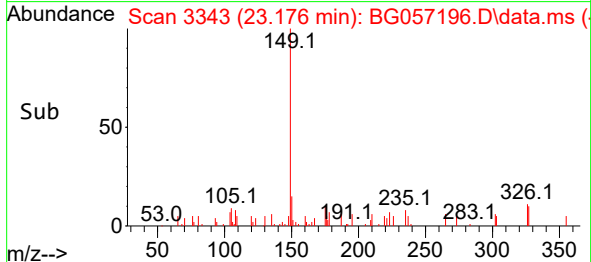
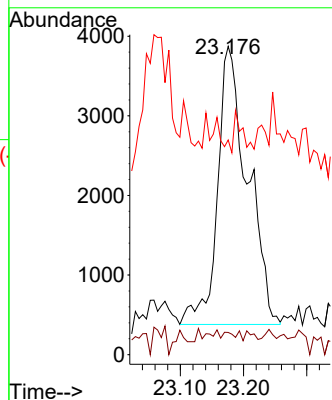
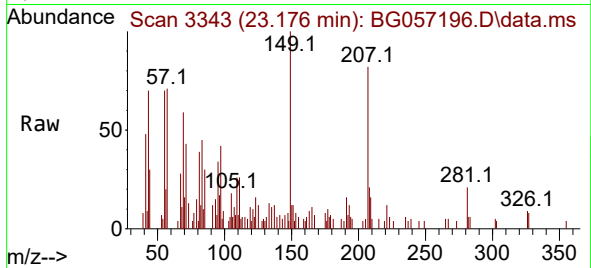




#85
Di-n-octyl phthalate
Concen: 2.147 ng
RT: 23.176 min Scan# 311
Delta R.T. 0.001 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

Instrument :
BNA_G
ClientSampleId :
SPA-5WC-23-04DL2

Tgt Ion:149 Resp: 11503
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 4.8 7.4 11.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.561 min Scan# 3749
Delta R.T. 0.001 min
Lab File: BG057196.D
Acq: 26 Apr 2023 17:26

Tgt Ion:264 Resp: 129721
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 20.1 16.4 24.6

