

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040723\
 Data File : BG057025.D
 Acq On : 7 Apr 2023 13:55
 Operator : CG/JU
 Sample : 02222-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E-H4(ELEV-24)

Quant Time: Apr 08 04:49:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 08 04:45:47 2023
 Response via : Initial Calibration

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

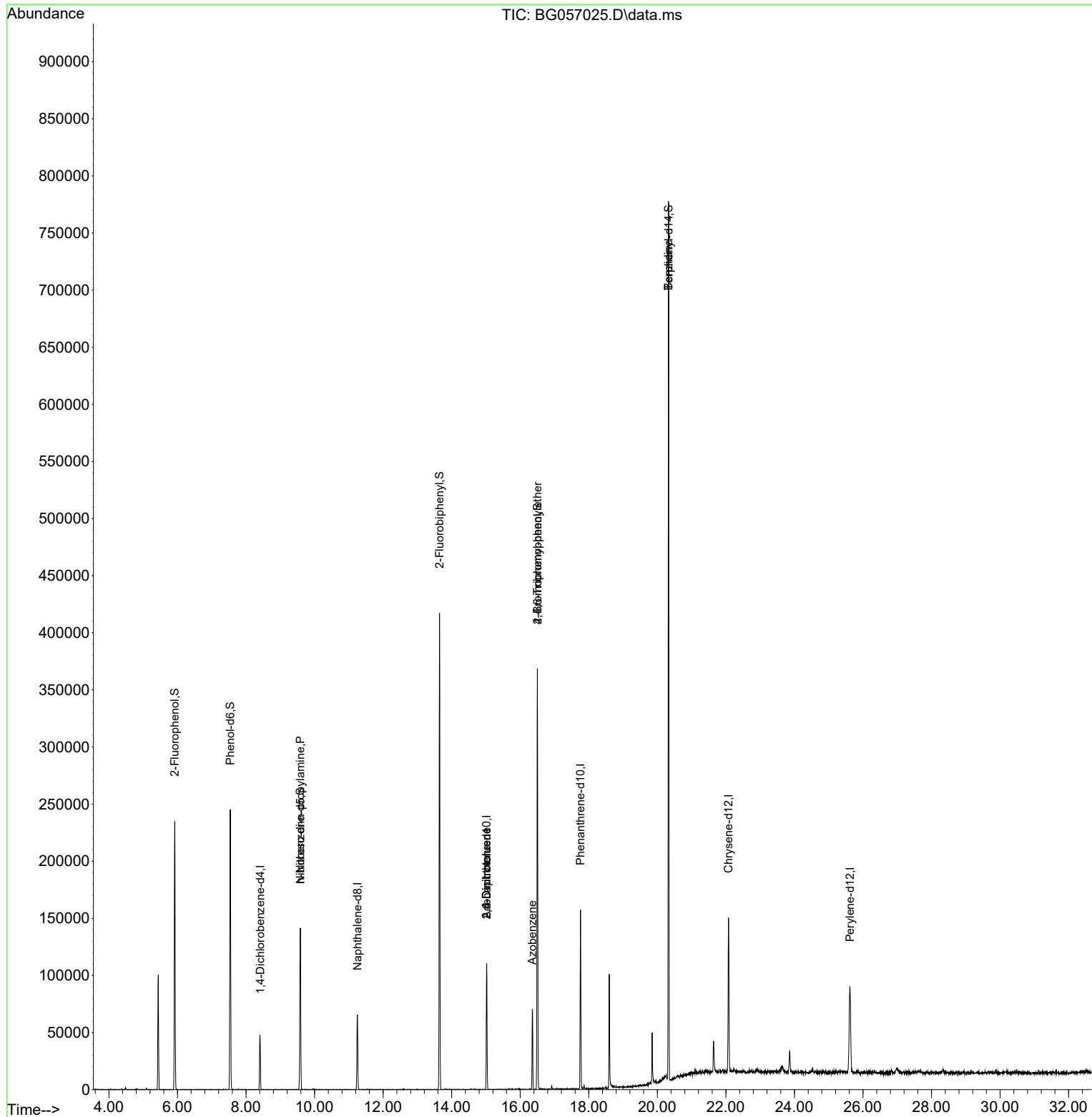
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.411	152	13090	20.000	ng	0.00
21) Naphthalene-d8	11.248	136	53073	20.000	ng	0.00
39) Acenaphthene-d10	15.020	164	39925	20.000	ng	0.00
64) Phenanthrene-d10	17.757	188	98693	20.000	ng	0.00
76) Chrysene-d12	22.075	240	87916	20.000	ng	0.00
86) Perylene-d12	25.617	264	92426	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.920	112	97068	118.680	ng	0.00
7) Phenol-d6	7.542	99	137648	112.525	ng	0.00
23) Nitrobenzene-d5	9.586	82	90529	69.795	ng	0.00
42) 2,4,6-Tribromophenol	16.500	330	73966	115.968	ng	0.00
45) 2-Fluorobiphenyl	13.645	172	208209	70.716	ng	0.00
79) Terphenyl-d14	20.330	244	393463	75.732	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.586	70	13137	15.014	ng	# 74
51) 2,6-Dinitrotoluene	15.020	165	5102	7.506	ng	# 18
57) 2,4-Dinitrotoluene	15.020	165	5102	5.322	ng	# 18
63) Azobenzene	16.353	77	22077	7.024	ng	# 1
67) 4-Bromophenyl-phenylether	16.500	248	5054	4.139	ng	# 1
77) Benzydine	20.324	184	6094	2.536	ng	# 85

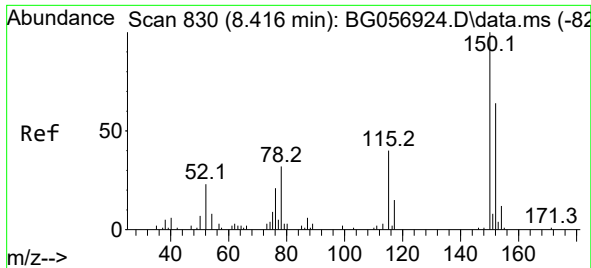
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 08 04:45:47 2023
Response via : Initial Calibration

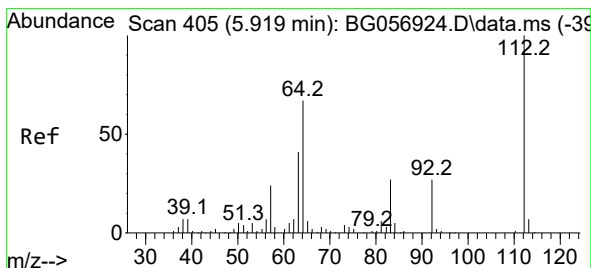
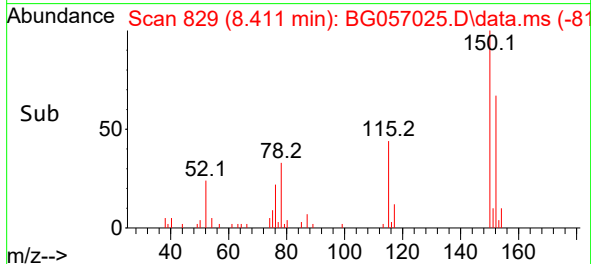
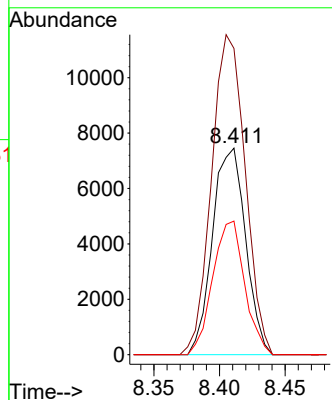
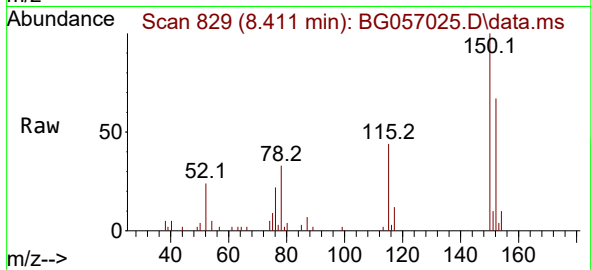




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.411 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG057025.D
Acq: 7 Apr 2023 13:55

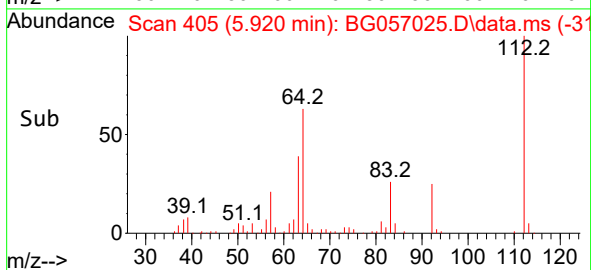
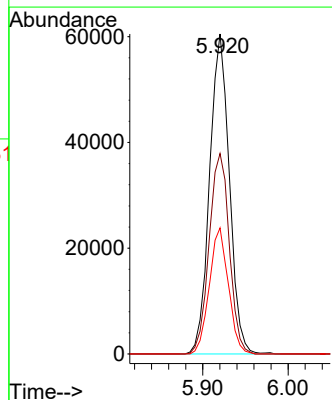
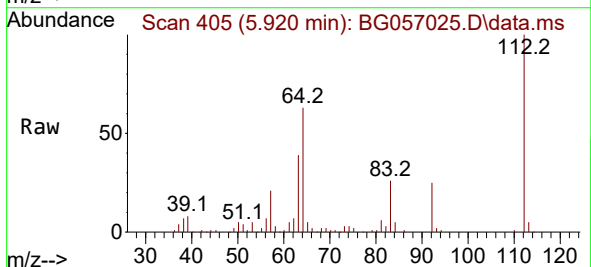
Instrument :
BNA_G
ClientSampleId :
E-H4(ELEV-24)

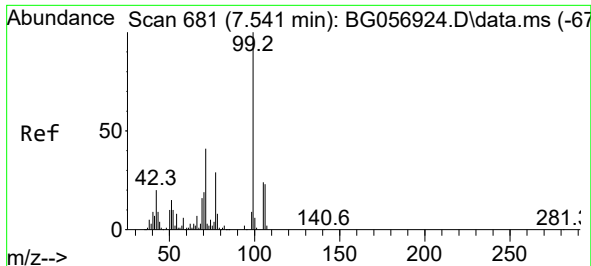
Tgt Ion:152 Resp: 13090
Ion Ratio Lower Upper
152 100
150 148.2 124.1 186.1
115 64.7 49.1 73.7



#5
2-Fluorophenol
Concen: 118.680 ng
RT: 5.920 min Scan# 405
Delta R.T. 0.003 min
Lab File: BG057025.D
Acq: 7 Apr 2023 13:55

Tgt Ion:112 Resp: 97068
Ion Ratio Lower Upper
112 100
64 62.6 53.2 79.8
63 39.4 32.6 48.8

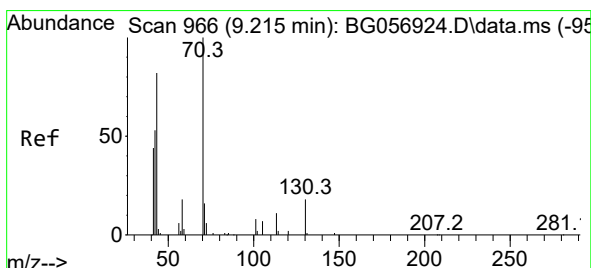
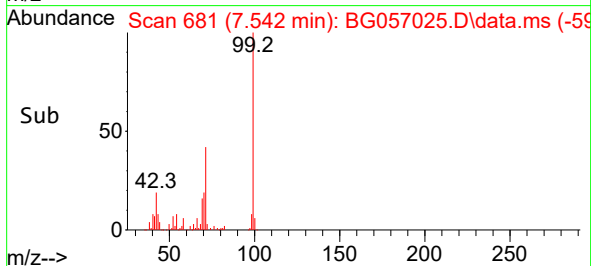
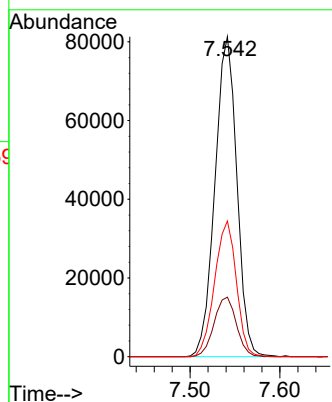
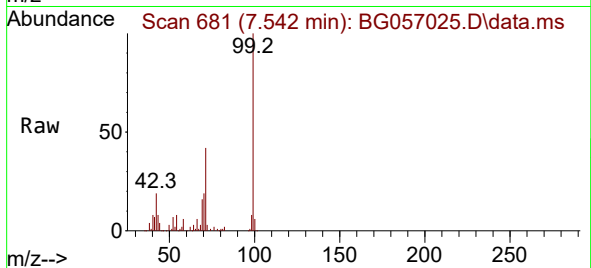




#7
Phenol-d6
Concen: 112.525 ng
RT: 7.542 min Scan# 681
Delta R.T. 0.003 min
Lab File: BG057025.D
Acq: 7 Apr 2023 13:55

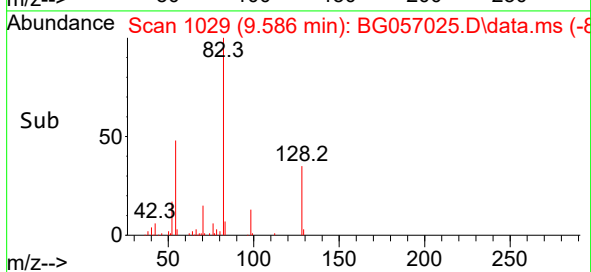
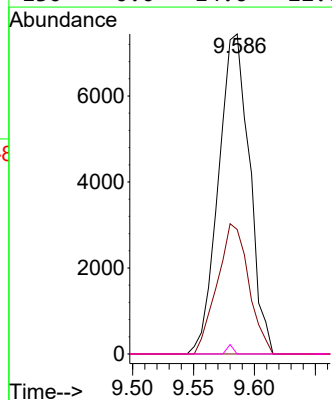
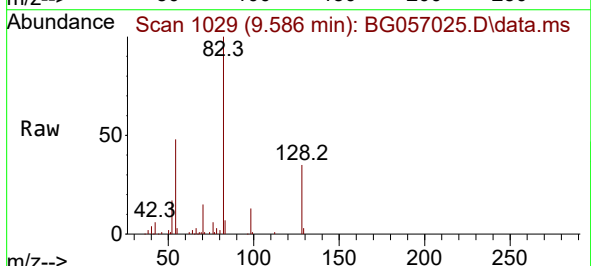
Instrument :
BNA_G
ClientSampleId :
E-H4(ELEV-24)

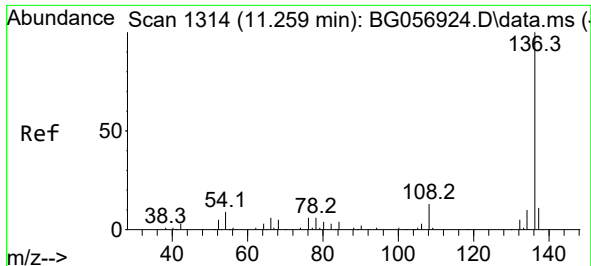
Tgt Ion: 99 Resp: 137648
Ion Ratio Lower Upper
99 100
42 18.6 15.7 23.5
71 42.4 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.014 ng
RT: 9.586 min Scan# 1029
Delta R.T. 0.373 min
Lab File: BG057025.D
Acq: 7 Apr 2023 13:55

Tgt Ion: 70 Resp: 13137
Ion Ratio Lower Upper
70 100
42 38.9 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

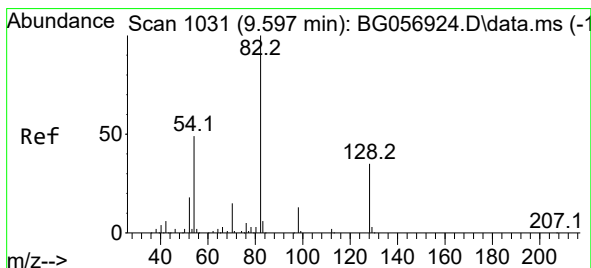
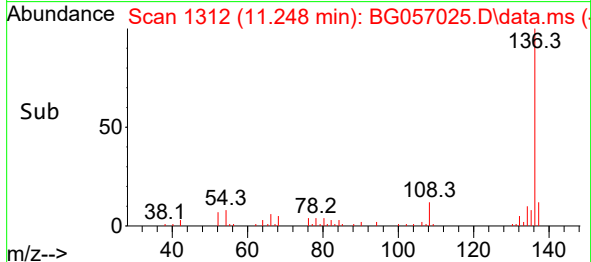
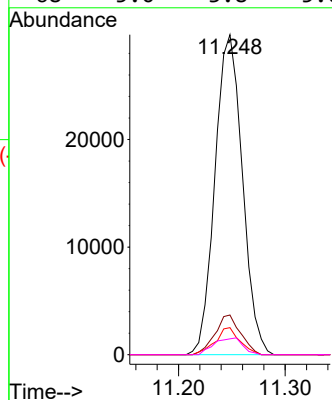
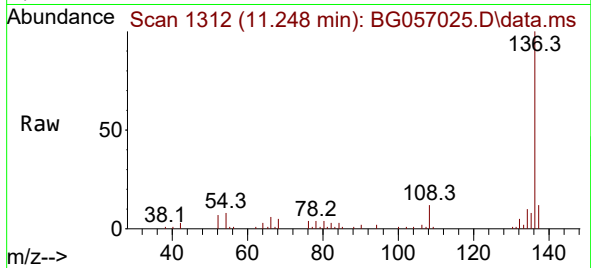




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.248 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057025.D
Acq: 7 Apr 2023 13:55

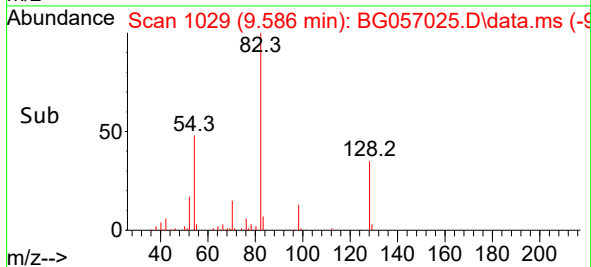
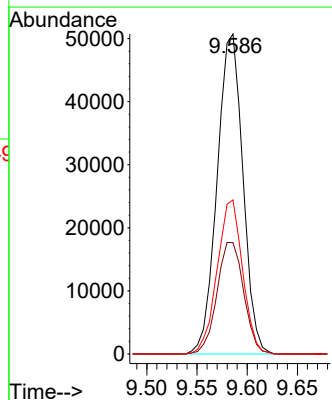
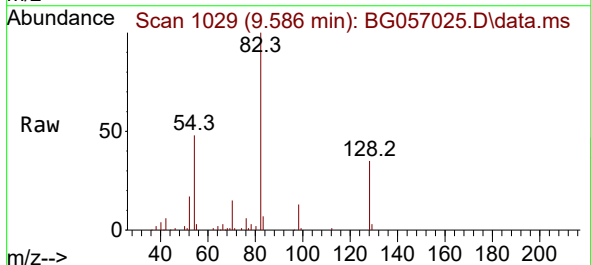
Instrument :
BNA_G
ClientSampleId :
E-H4(ELEV-24)

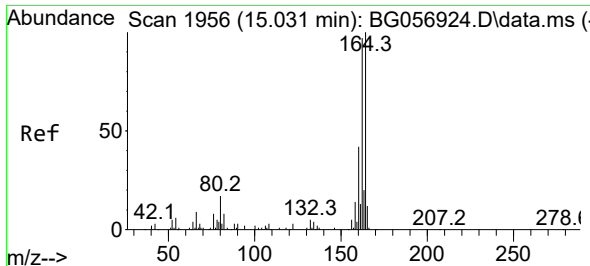
Tgt Ion:136	Resp:	53073
Ion Ratio	Lower	Upper
136	100	
137	12.4	8.6 13.0
54	8.4	6.9 10.3
68	5.0	3.8 5.6



#23
Nitrobenzene-d5
Concen: 69.795 ng
RT: 9.586 min Scan# 1029
Delta R.T. -0.003 min
Lab File: BG057025.D
Acq: 7 Apr 2023 13:55

Tgt Ion: 82	Resp:	90529
Ion Ratio	Lower	Upper
82	100	
128	34.8	27.9 41.9
54	48.1	39.4 59.2

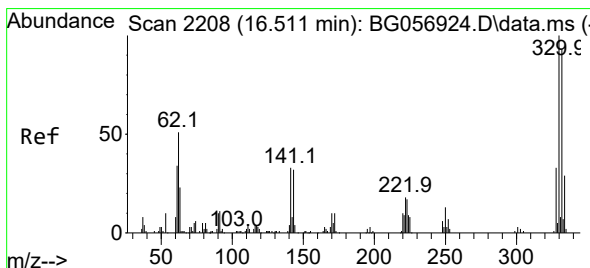
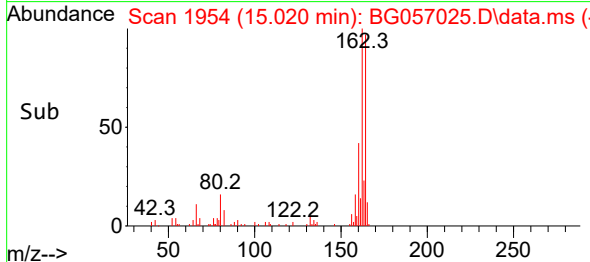
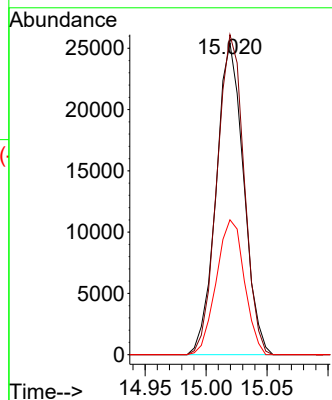
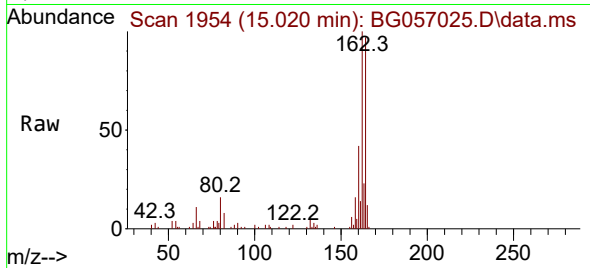




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.020 min Scan# 1954
Delta R.T. -0.003 min
Lab File: BG057025.D
Acq: 7 Apr 2023 13:55

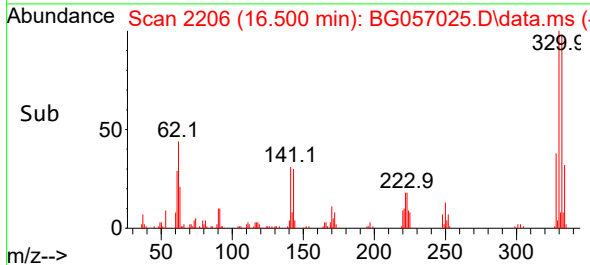
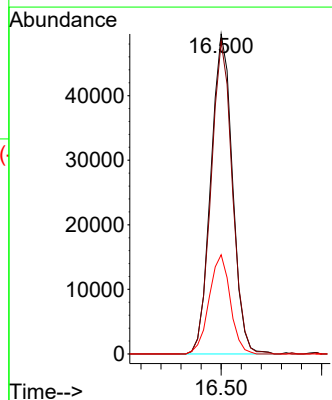
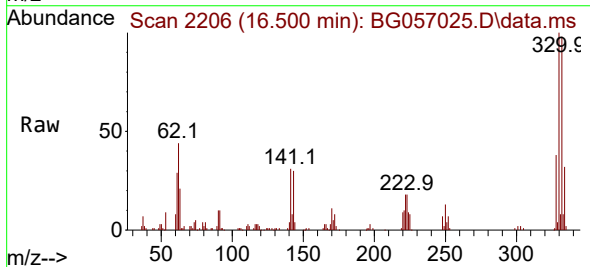
Instrument :
BNA_G
ClientSampleId :
E-H4(ELEV-24)

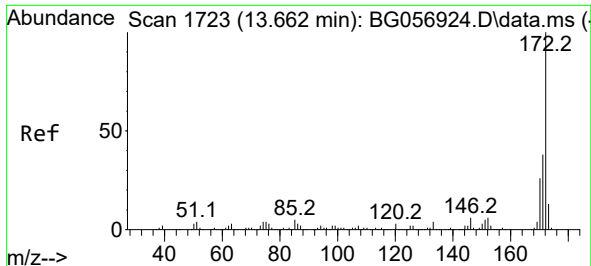
Tgt Ion:164 Resp: 39925
Ion Ratio Lower Upper
164 100
162 102.6 77.8 116.8
160 43.3 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 115.968 ng
RT: 16.500 min Scan# 2206
Delta R.T. -0.003 min
Lab File: BG057025.D
Acq: 7 Apr 2023 13:55

Tgt Ion:330 Resp: 73966
Ion Ratio Lower Upper
330 100
332 96.4 76.1 114.1
141 30.4 25.8 38.6

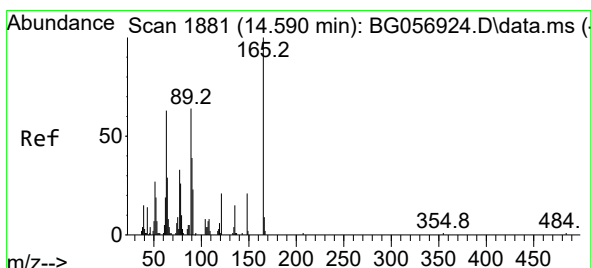
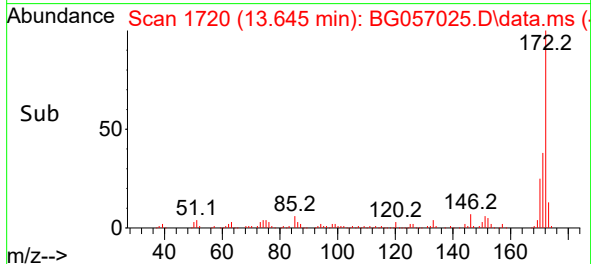
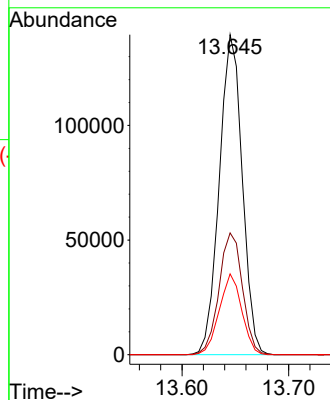
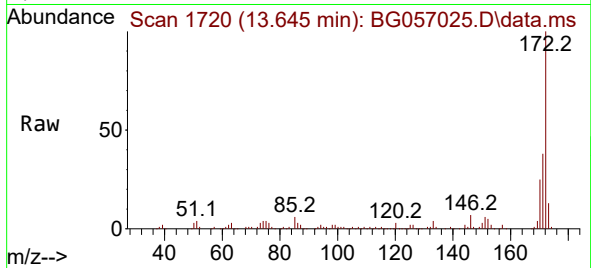




#45
2-Fluorobiphenyl
Concen: 70.716 ng
RT: 13.645 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG057025.D
Acq: 7 Apr 2023 13:55

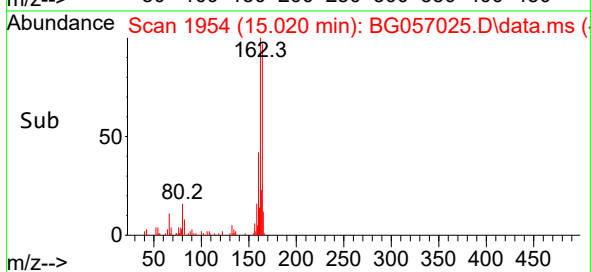
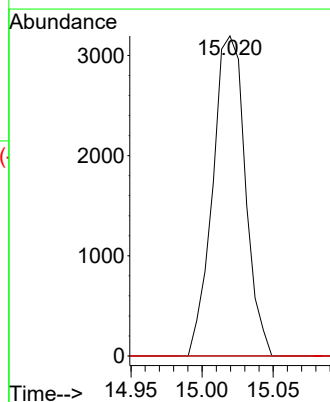
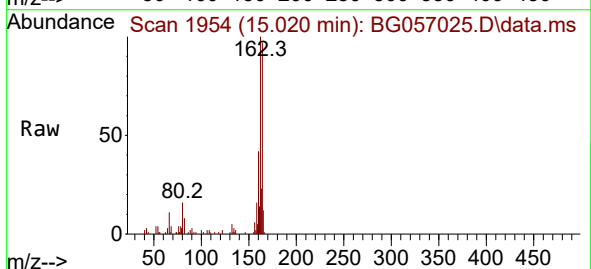
Instrument :
BNA_G
ClientSampleId :
E-H4(ELEV-24)

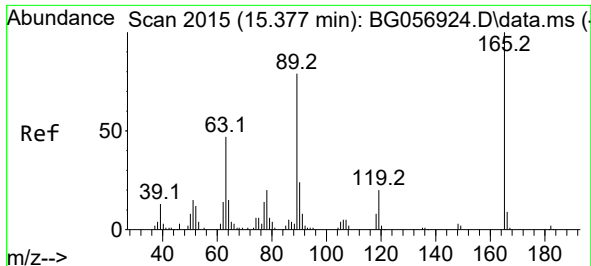
Tgt Ion:172 Resp: 208209
Ion Ratio Lower Upper
172 100
171 38.1 30.6 46.0
170 25.2 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.506 ng
RT: 15.020 min Scan# 1954
Delta R.T. 0.432 min
Lab File: BG057025.D
Acq: 7 Apr 2023 13:55

Tgt Ion:165 Resp: 5102
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#





#57

2,4-Dinitrotoluene

Concen: 5.322 ng

RT: 15.020 min Scan# 1954

Delta R.T. -0.349 min

Lab File: BG057025.D

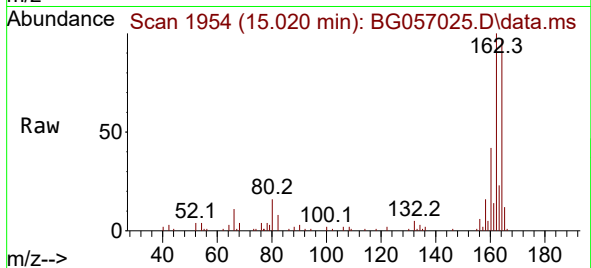
Acq: 7 Apr 2023 13:55

Instrument :

BNA_G

ClientSampleId :

E-H4(ELEV-24)



Tgt Ion:165 Resp: 5102

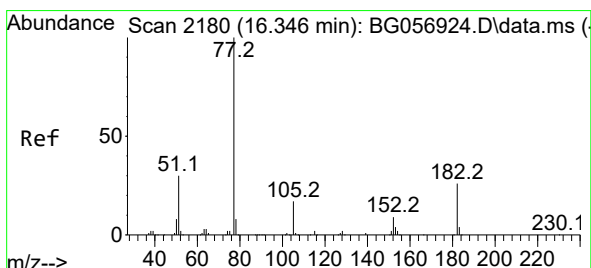
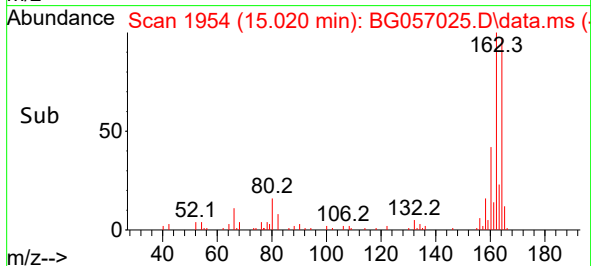
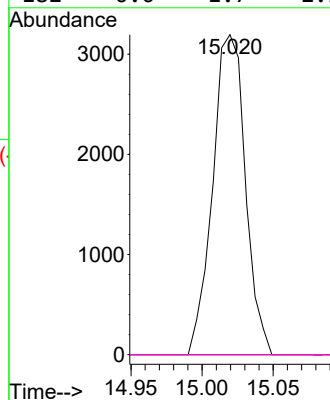
Ion Ratio Lower Upper

165 100

63 0.0 37.7 56.5#

89 0.0 63.2 94.8#

182 0.0 1.7 2.5#



#63

Azobenzene

Concen: 7.024 ng

RT: 16.353 min Scan# 2181

Delta R.T. 0.015 min

Lab File: BG057025.D

Acq: 7 Apr 2023 13:55

Tgt Ion: 77 Resp: 22077

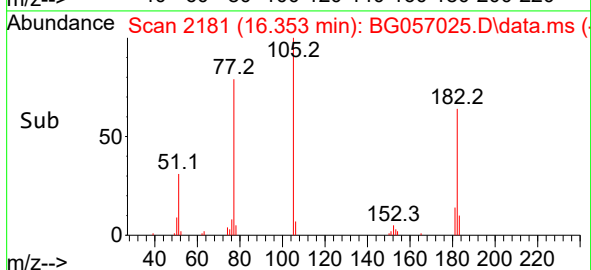
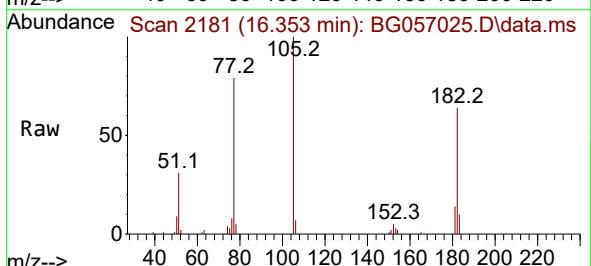
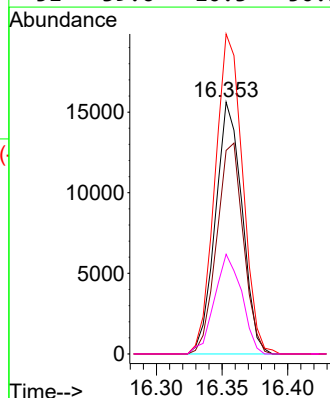
Ion Ratio Lower Upper

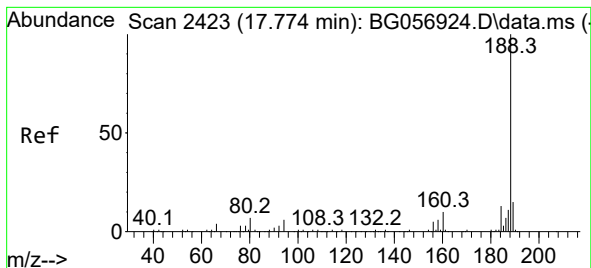
77 100

182 80.8 5.9 45.9#

105 127.1 0.0 36.8#

51 39.6 10.3 50.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.757 min Scan# 24

Delta R.T. -0.003 min

Lab File: BG057025.D

Acq: 7 Apr 2023 13:55

Instrument :

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ClientSampleId :

E-H4(ELEV-24)

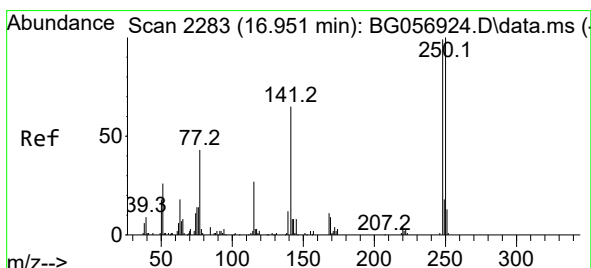
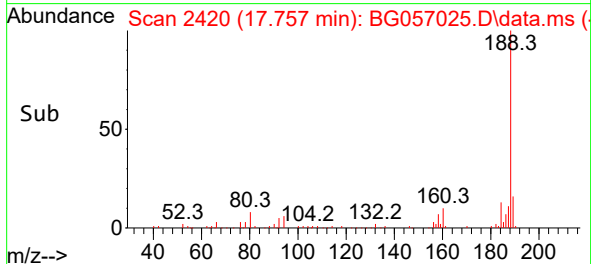
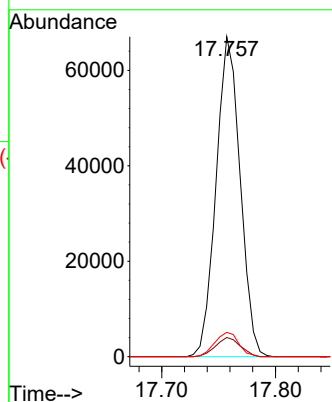
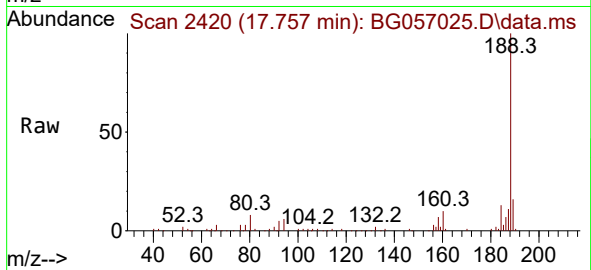
Tgt Ion:188 Resp: 98693

Ion Ratio Lower Upper

188 100

94 6.0 4.6 6.8

80 7.6 5.5 8.3



#67

4-Bromophenyl-phenylether

Concen: 4.139 ng

RT: 16.500 min Scan# 2206

Delta R.T. -0.437 min

Lab File: BG057025.D

Acq: 7 Apr 2023 13:55

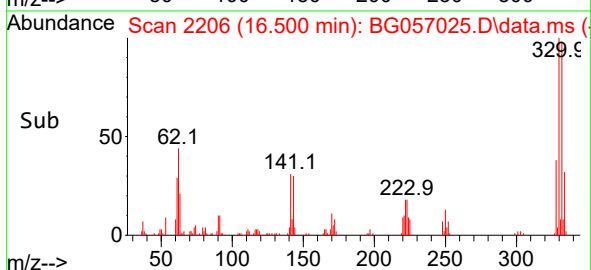
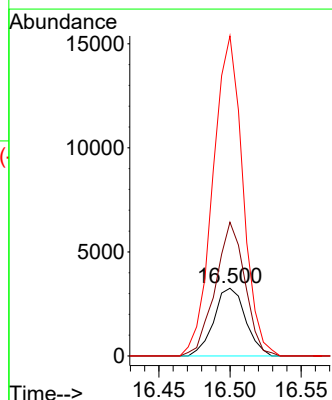
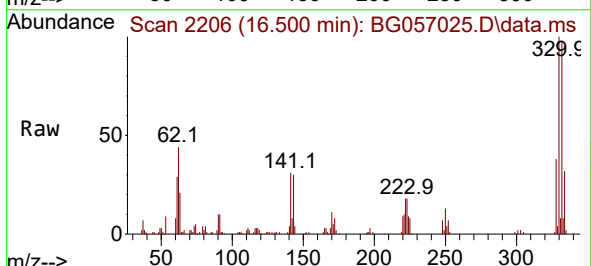
Tgt Ion:248 Resp: 5054

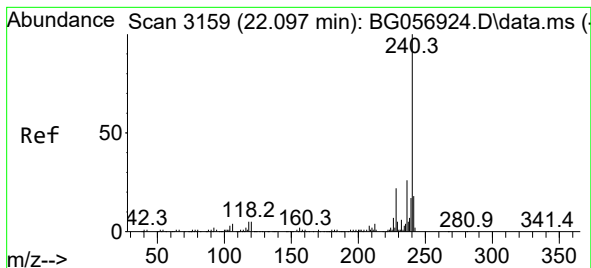
Ion Ratio Lower Upper

248 100

250 197.5 80.5 120.7#

141 472.5 52.0 78.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.075 min Scan# 3155

Delta R.T. -0.008 min

Lab File: BG057025.D

Acq: 7 Apr 2023 13:55

Instrument :

BNA_G

ClientSampleId :

E-H4(ELEV-24)

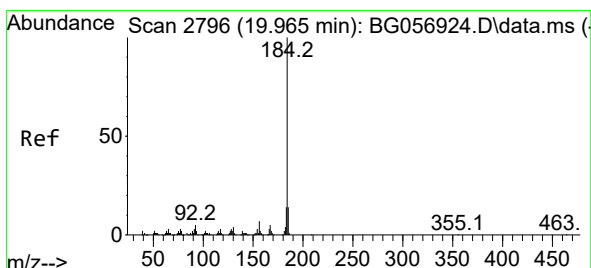
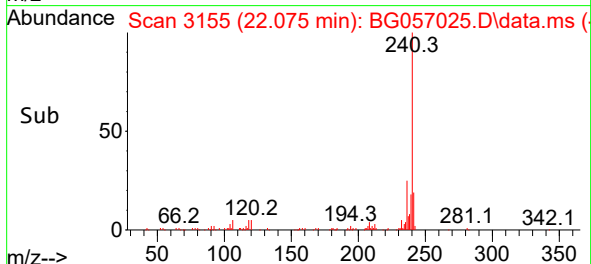
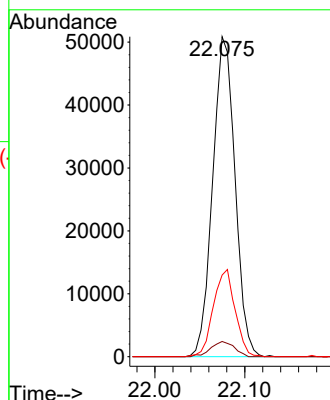
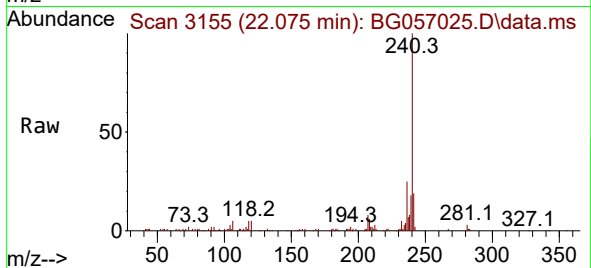
Tgt Ion:240 Resp: 87916

Ion Ratio Lower Upper

240 100

120 4.7 3.8 5.6

236 25.5 21.0 31.6



#77

Benzidine

Concen: 2.536 ng

RT: 20.324 min Scan# 2857

Delta R.T. 0.373 min

Lab File: BG057025.D

Acq: 7 Apr 2023 13:55

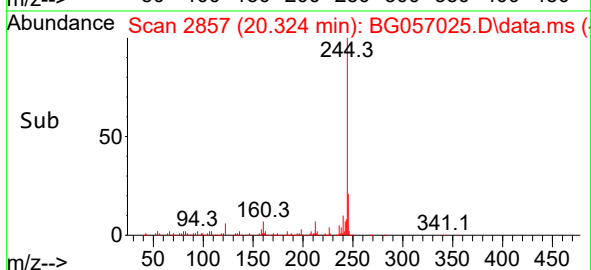
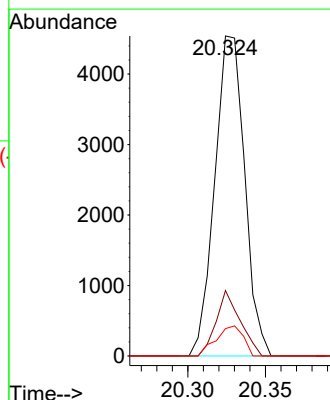
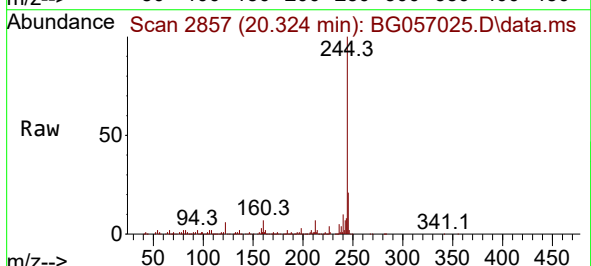
Tgt Ion:184 Resp: 6094

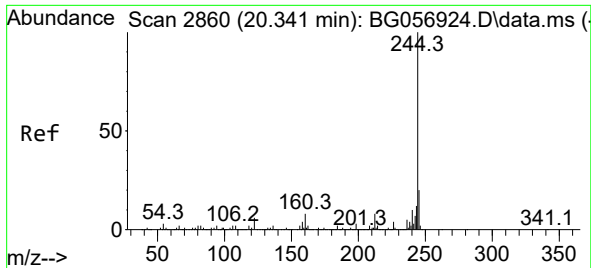
Ion Ratio Lower Upper

184 100

185 20.4 11.0 16.4#

183 8.5 11.4 17.0#

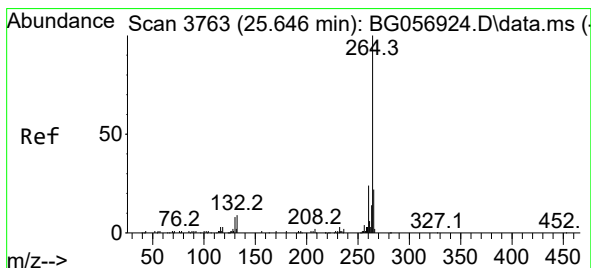
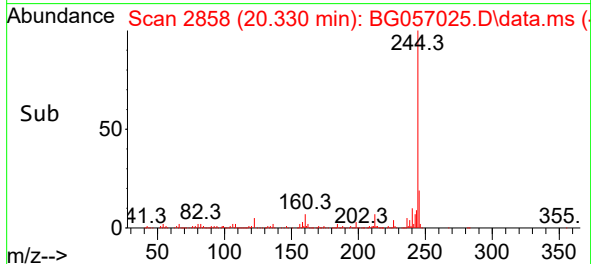
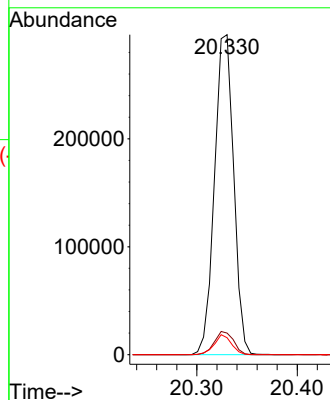
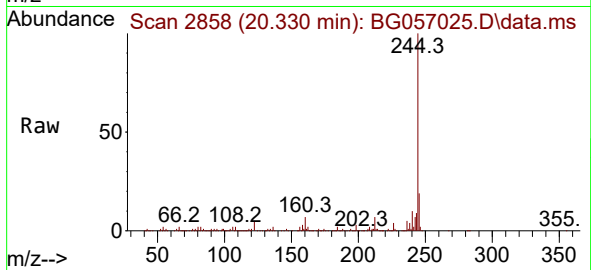




#79
 Terphenyl-d14
 Concen: 75.732 ng
 RT: 20.330 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG057025.D
 Acq: 7 Apr 2023 13:55

Instrument :
 BNA_G
 ClientSampleId :
 E-H4(ELEV-24)

Tgt Ion:244 Resp: 393463
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 5.3 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.617 min Scan# 3758
 Delta R.T. -0.014 min
 Lab File: BG057025.D
 Acq: 7 Apr 2023 13:55

Tgt Ion:264 Resp: 92426
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.4
 265 23.2 17.8 26.6

