

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
 Data File : BG057534.D
 Acq On : 24 May 2023 14:00
 Operator : CG/JU
 Sample : 02687-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP14

Quant Time: May 25 02:23:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 02:19:01 2023
 Response via : Initial Calibration

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

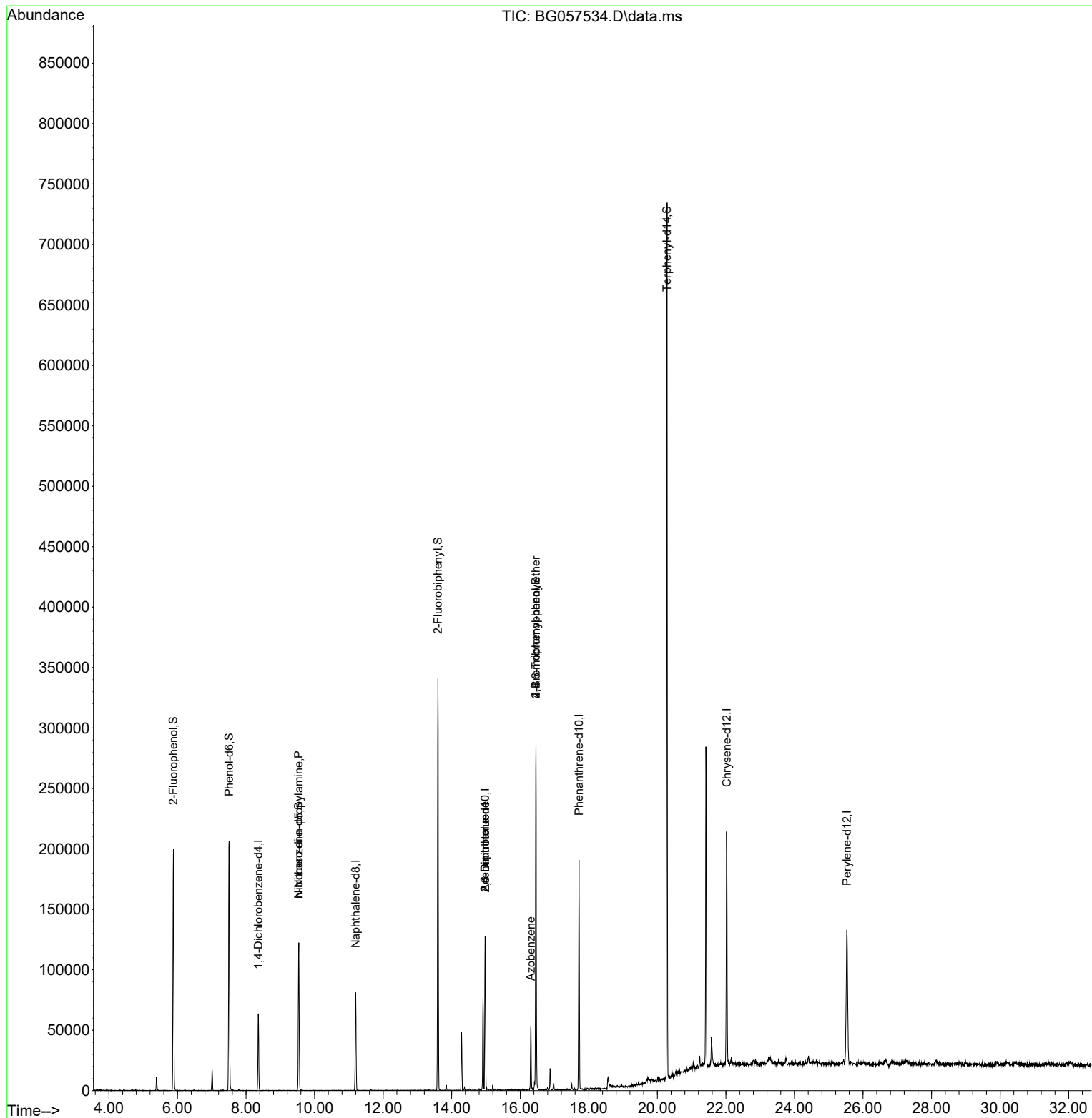
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	19097	20.000	ng	0.00
21) Naphthalene-d8	11.195	136	70807	20.000	ng	0.00
39) Acenaphthene-d10	14.972	164	49460	20.000	ng	0.00
64) Phenanthrene-d10	17.715	188	124264	20.000	ng	0.00
76) Chrysene-d12	22.021	240	123211	20.000	ng	-0.01
86) Perylene-d12	25.528	264	132048	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.879	112	90672	81.219	ng	0.00
7) Phenol-d6	7.506	99	129993	76.680	ng	0.00
23) Nitrobenzene-d5	9.538	82	80870	47.936	ng	0.00
42) 2,4,6-Tribromophenol	16.458	330	63048	89.839	ng	0.00
45) 2-Fluorobiphenyl	13.598	172	188797	51.409	ng	0.00
79) Terphenyl-d14	20.283	244	380763	50.432	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.500	77	74	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.538	70	11023	8.527 ng	#	80
51) 2,6-Dinitrotoluene	14.972	165	6657	8.022 ng	#	17
57) 2,4-Dinitrotoluene	14.972	165	6657	5.613 ng	#	20
63) Azobenzene	16.311	77	17215	4.323 ng	#	1
67) 4-Bromophenyl-phenylether	16.458	248	4325	2.851 ng	#	1

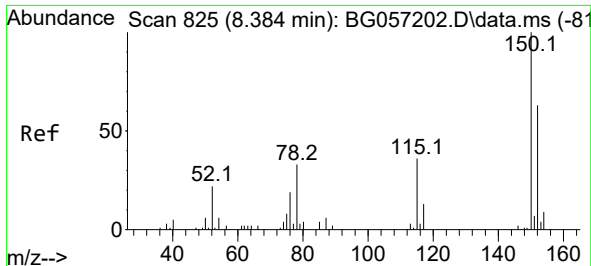
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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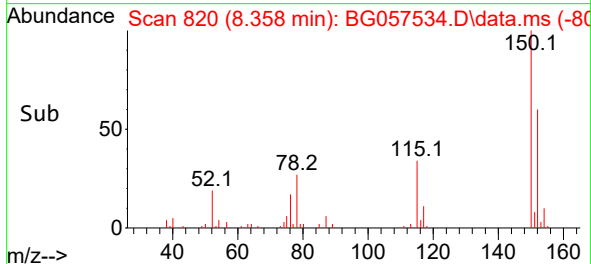
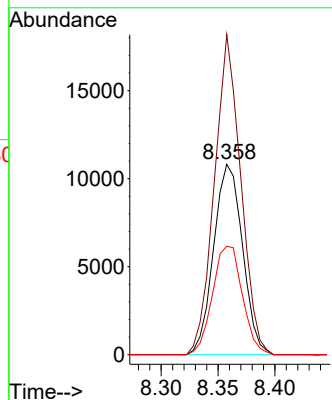
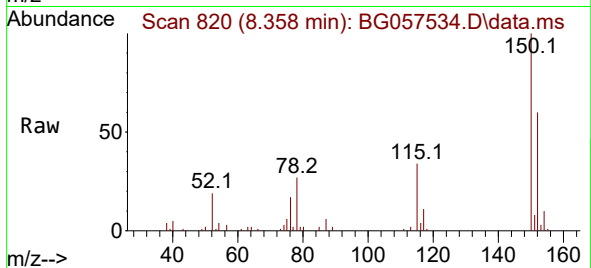




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057534.D
Acq: 24 May 2023 14:00

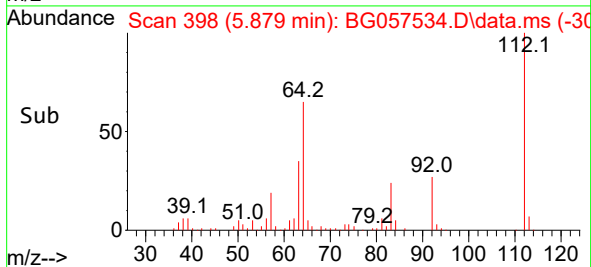
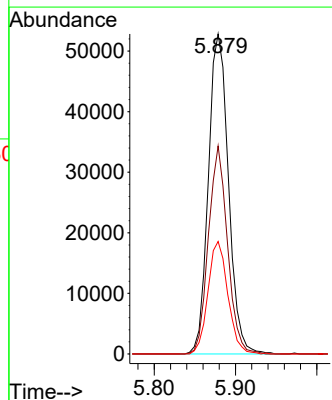
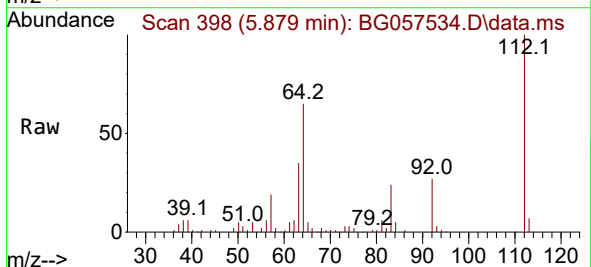
Instrument :
BNA_G
ClientSampleId :
TP14

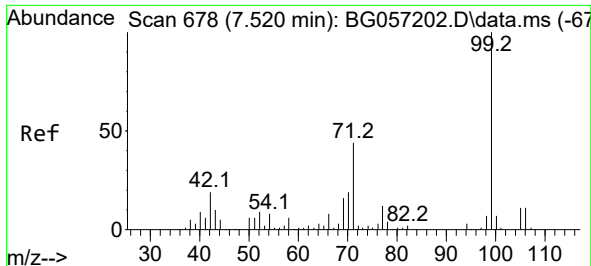
Tgt Ion:152 Resp: 19097
Ion Ratio Lower Upper
152 100
150 168.0 126.2 189.4
115 56.9 45.0 67.4



#5
2-Fluorophenol
Concen: 81.219 ng
RT: 5.879 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG057534.D
Acq: 24 May 2023 14:00

Tgt Ion:112 Resp: 90672
Ion Ratio Lower Upper
112 100
64 65.0 49.4 74.2
63 35.1 31.6 47.4

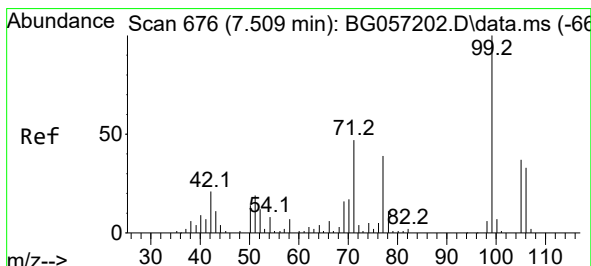
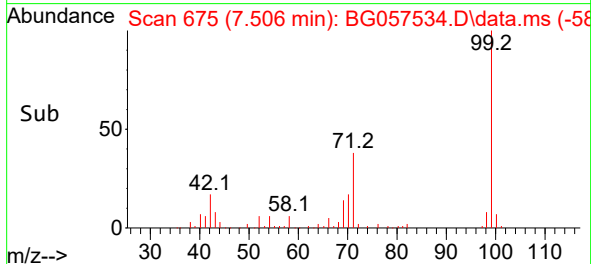
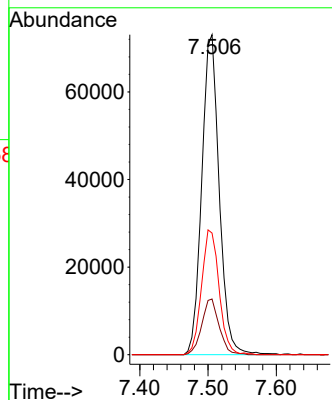
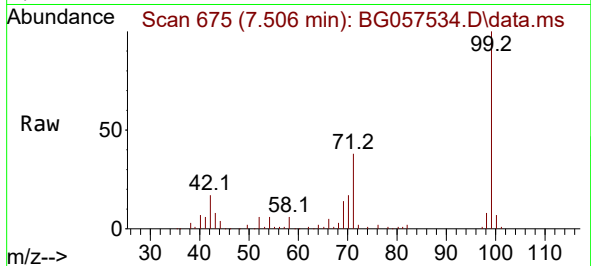




#7
Phenol-d6
Concen: 76.680 ng
RT: 7.506 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057534.D
Acq: 24 May 2023 14:00

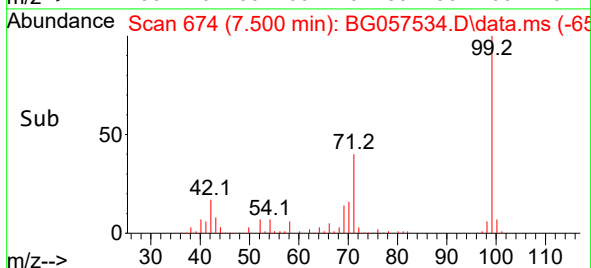
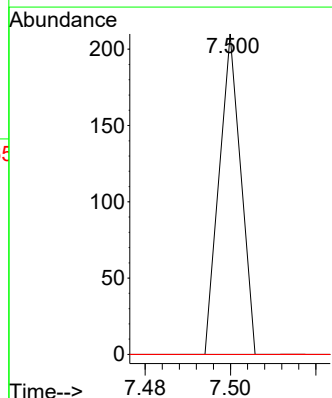
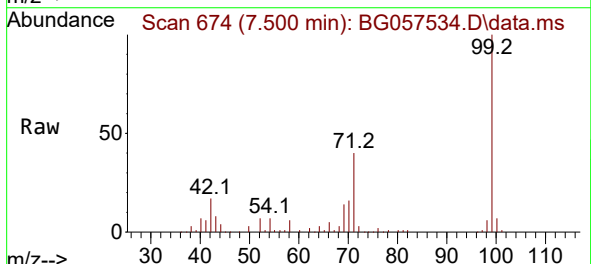
Instrument :
BNA_G
ClientSampleId :
TP14

Tgt Ion: 99 Resp: 129993
Ion Ratio Lower Upper
99 100
42 17.4 15.1 22.7
71 38.0 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.500 min Scan# 674
Delta R.T. 0.009 min
Lab File: BG057534.D
Acq: 24 May 2023 14:00

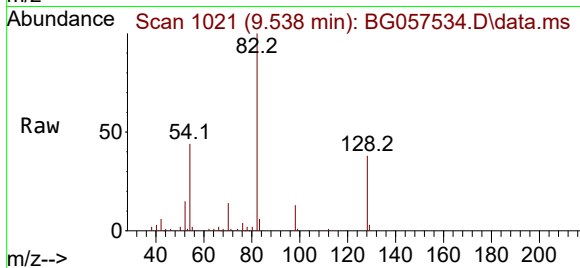
Tgt Ion: 77 Resp: 74
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#



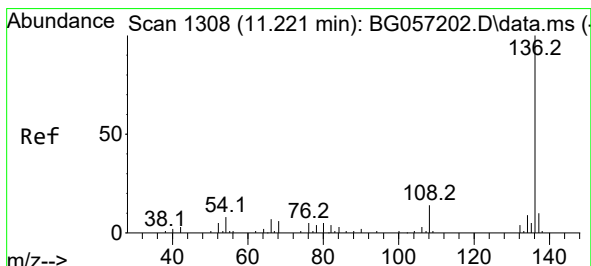
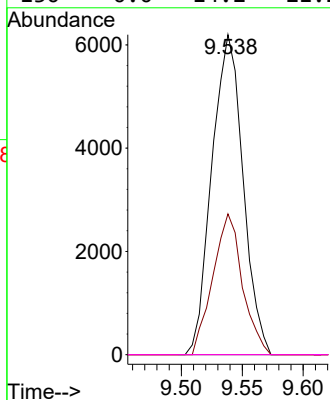
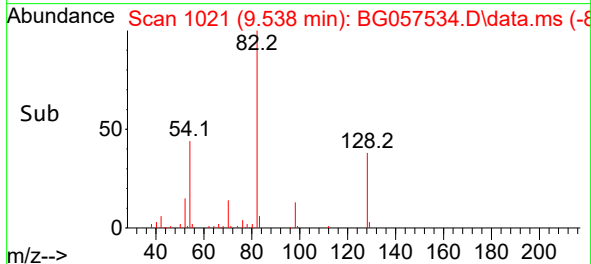


#19
n-Nitroso-di-n-propylamine
Concen: 8.527 ng
RT: 9.538 min Scan# 1021
Delta R.T. 0.374 min
Lab File: BG057534.D
Acq: 24 May 2023 14:00

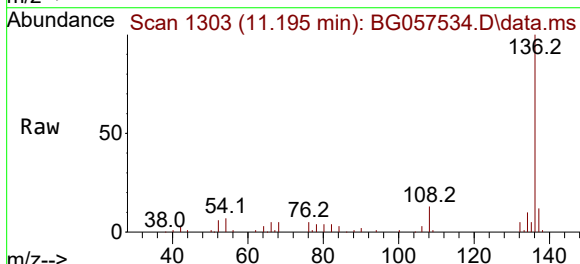
Instrument :
BNA_G
ClientSampleId :
TP14



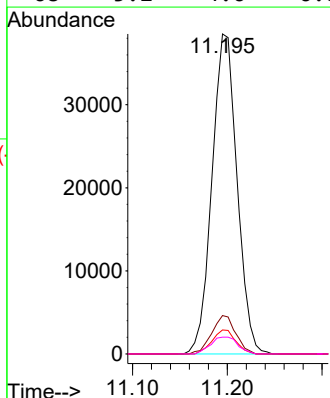
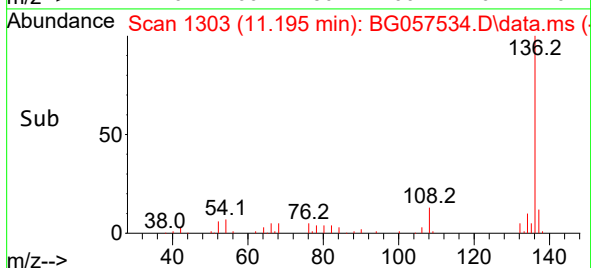
Tgt Ion: 70 Resp: 11023
Ion Ratio Lower Upper
70 100
42 44.0 41.8 62.8
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#

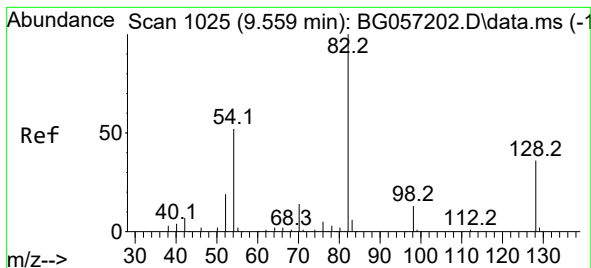


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.195 min Scan# 1303
Delta R.T. -0.008 min
Lab File: BG057534.D
Acq: 24 May 2023 14:00



Tgt Ion: 136 Resp: 70807
Ion Ratio Lower Upper
136 100
137 12.0 8.3 12.5
54 7.5 6.7 10.1
68 5.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 47.936 ng

RT: 9.538 min Scan# 10

Delta R.T. -0.008 min

Lab File: BG057534.D

Acq: 24 May 2023 14:00

Instrument :

BNA_G

ClientSampleId :

TP14

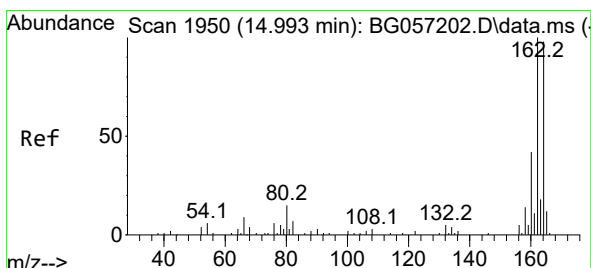
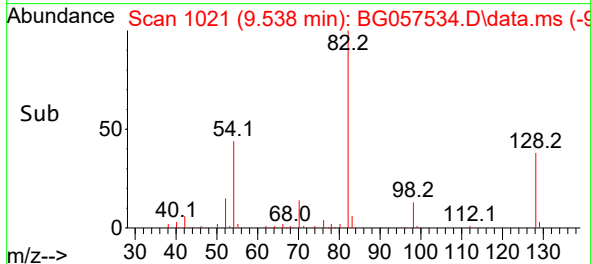
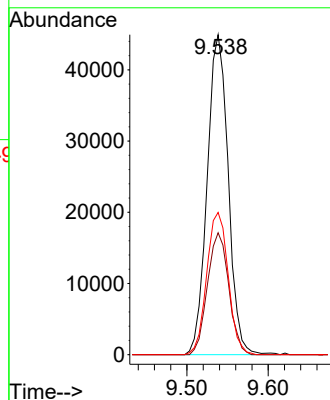
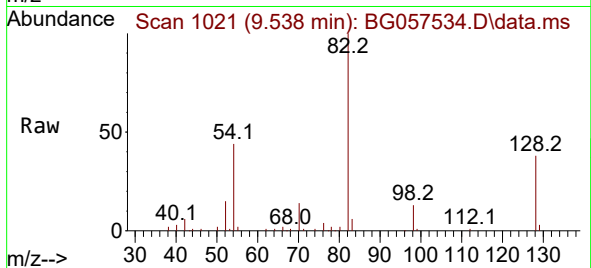
Tgt Ion: 82 Resp: 80870

Ion Ratio Lower Upper

82 100

128 38.1 29.0 43.4

54 44.5 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.972 min Scan# 1946

Delta R.T. -0.008 min

Lab File: BG057534.D

Acq: 24 May 2023 14:00

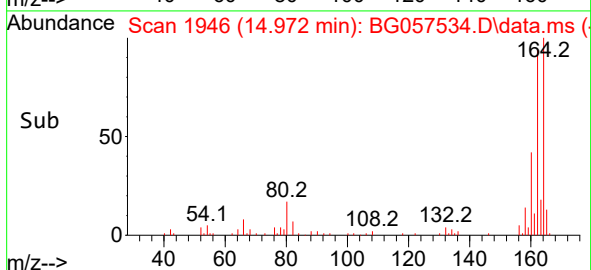
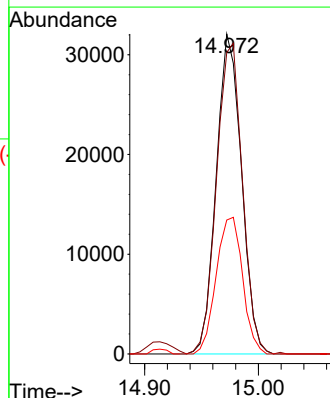
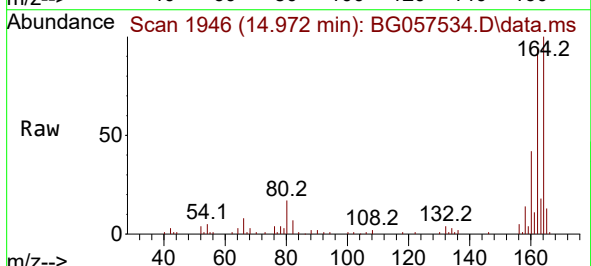
Tgt Ion:164 Resp: 49460

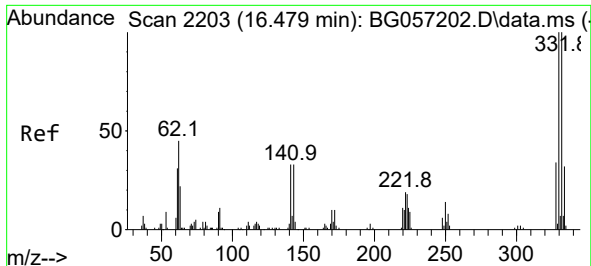
Ion Ratio Lower Upper

164 100

162 94.2 81.8 122.6

160 41.8 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 89.839 ng

RT: 16.458 min Scan# 2199

Delta R.T. -0.008 min

Lab File: BG057534.D

Acq: 24 May 2023 14:00

Instrument :

BNA_G

ClientSampleId :

TP14

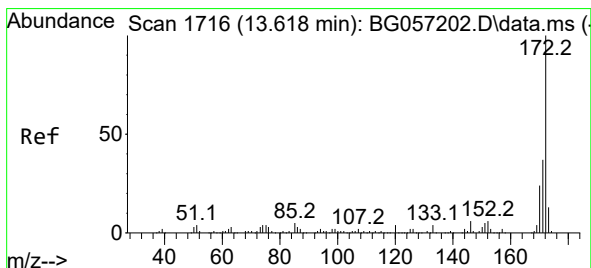
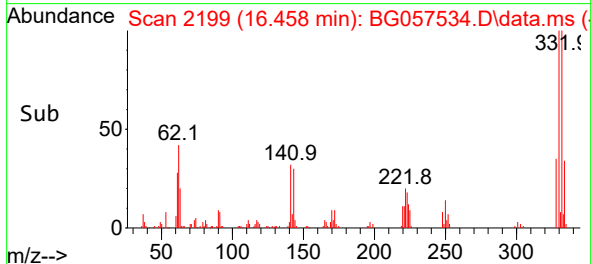
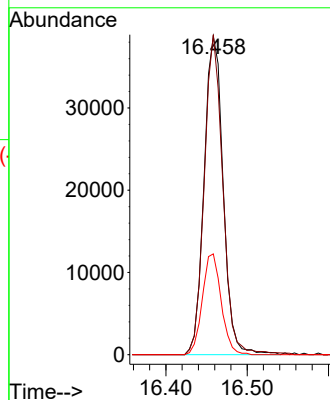
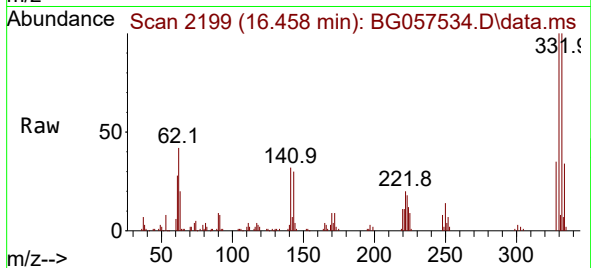
Tgt Ion:330 Resp: 63048

Ion Ratio Lower Upper

330 100

332 97.9 78.2 117.2

141 31.3 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 51.409 ng

RT: 13.598 min Scan# 1712

Delta R.T. -0.008 min

Lab File: BG057534.D

Acq: 24 May 2023 14:00

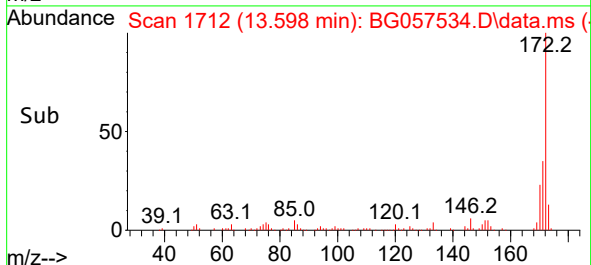
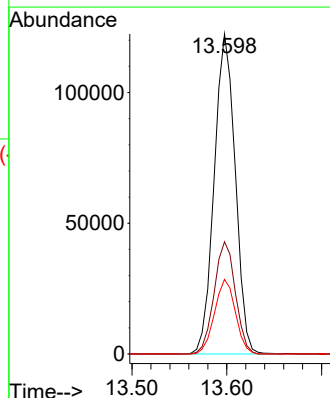
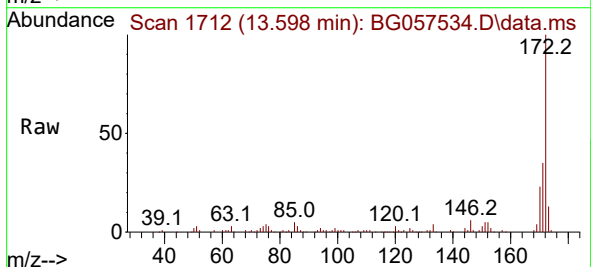
Tgt Ion:172 Resp: 188797

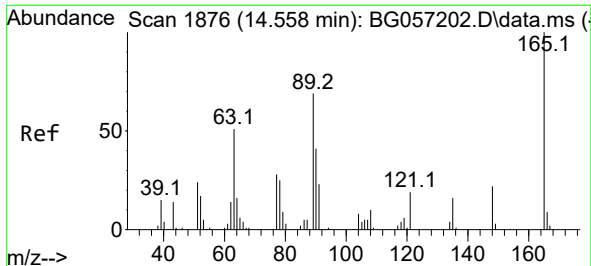
Ion Ratio Lower Upper

172 100

171 35.0 29.4 44.0

170 23.3 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.022 ng

RT: 14.972 min Scan# 1946

Delta R.T. 0.421 min

Lab File: BG057534.D

Acq: 24 May 2023 14:00

Instrument :

BNA_G

ClientSampleId :

TP14

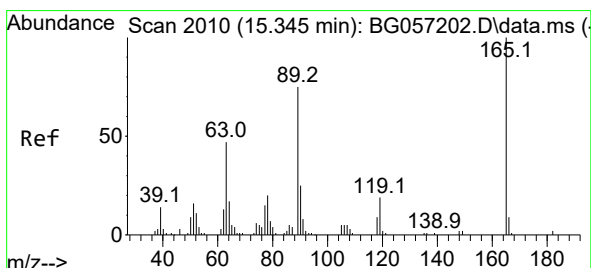
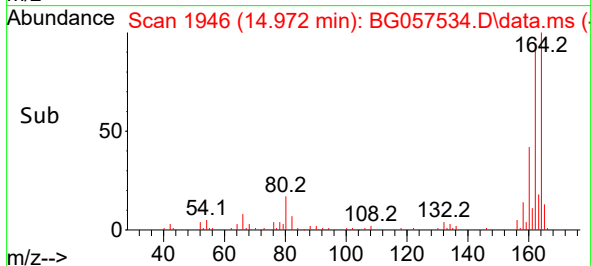
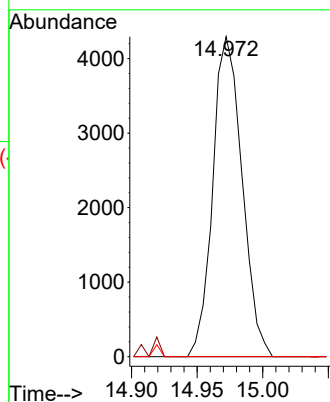
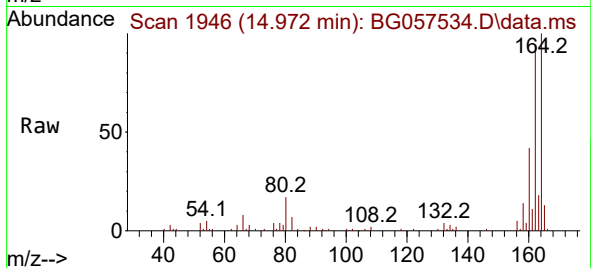
Tgt Ion:165 Resp: 6657

Ion Ratio Lower Upper

165 100

63 0.0 50.9 76.3#

89 0.0 55.2 82.8#



#57

2,4-Dinitrotoluene

Concen: 5.613 ng

RT: 14.972 min Scan# 1946

Delta R.T. -0.367 min

Lab File: BG057534.D

Acq: 24 May 2023 14:00

Tgt Ion:165 Resp: 6657

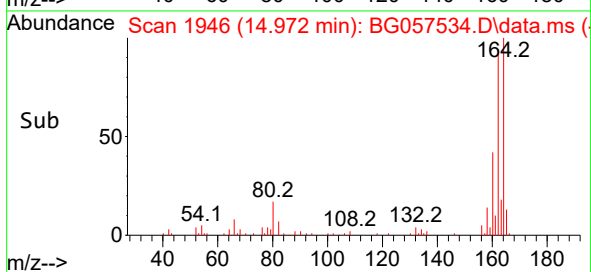
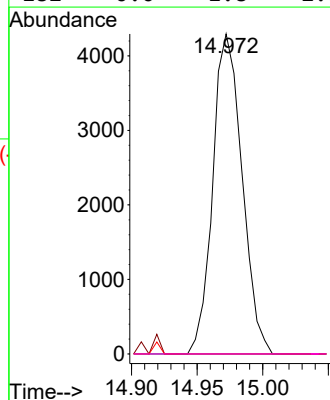
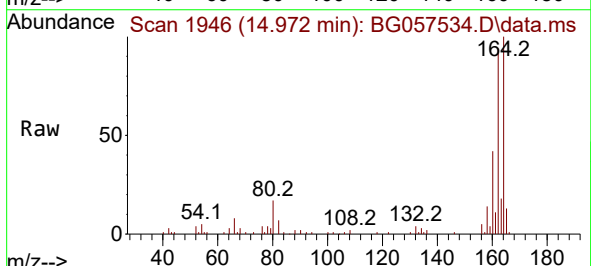
Ion Ratio Lower Upper

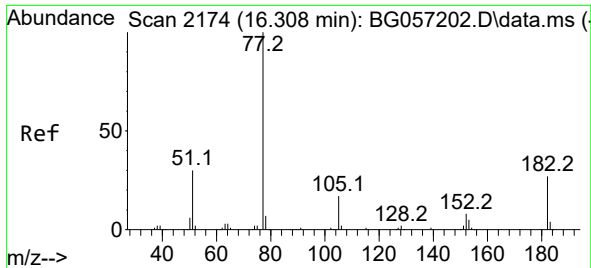
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#

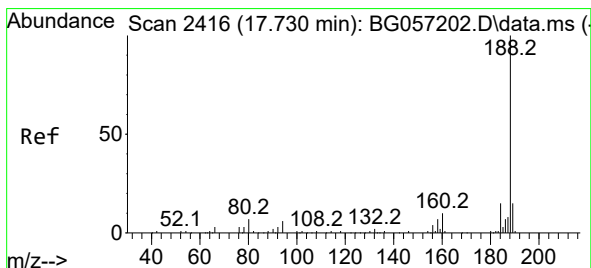
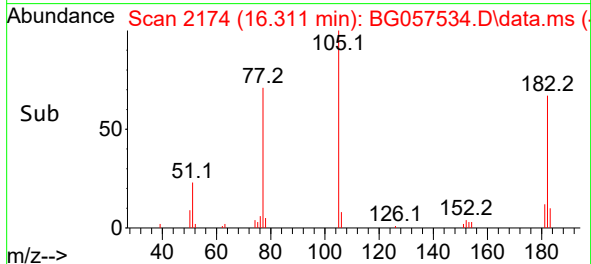
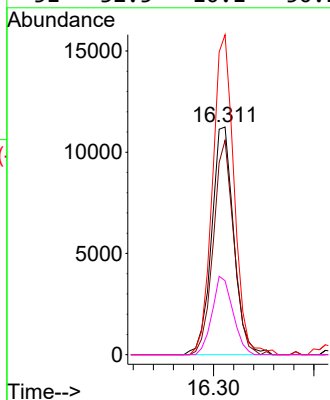
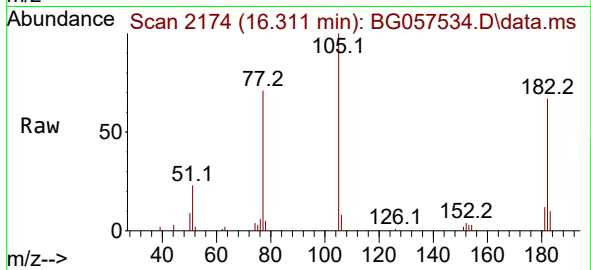




#63
Azobenzene
Concen: 4.323 ng
RT: 16.311 min Scan# 2174
Delta R.T. 0.021 min
Lab File: BG057534.D
Acq: 24 May 2023 14:00

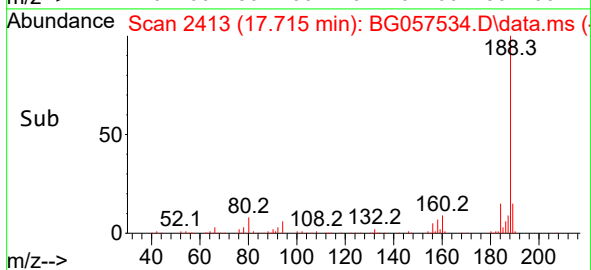
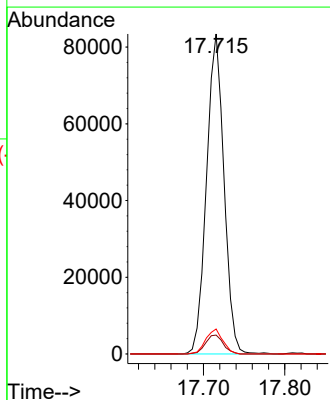
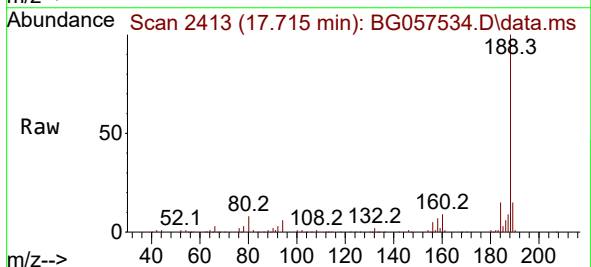
Instrument :
BNA_G
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TP14

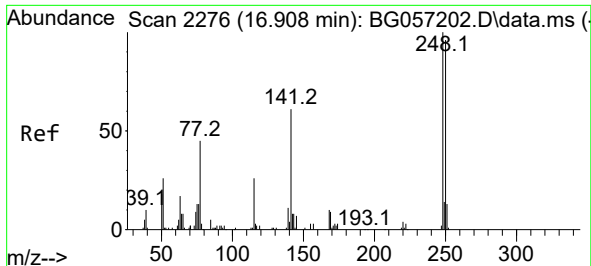
Tgt Ion: 77 Resp: 17215
Ion Ratio Lower Upper
77 100
182 94.1 7.4 47.4#
105 140.5 0.0 37.2#
51 32.5 10.1 50.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.715 min Scan# 2413
Delta R.T. -0.008 min
Lab File: BG057534.D
Acq: 24 May 2023 14:00

Tgt Ion: 188 Resp: 124264
Ion Ratio Lower Upper
188 100
94 5.9 5.1 7.7
80 7.8 5.7 8.5





#67

4-Bromophenyl-phenylether

Concen: 2.851 ng

RT: 16.458 min Scan# 2199

Delta R.T. -0.437 min

Lab File: BG057534.D

Acq: 24 May 2023 14:00

Instrument :

BNA_G

ClientSampleId :

TP14

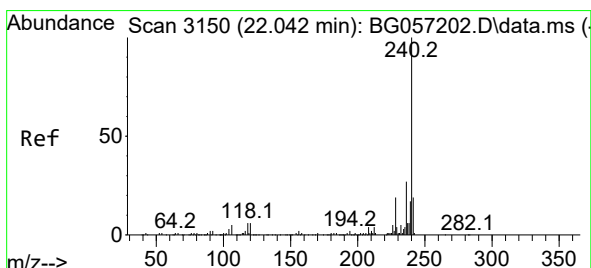
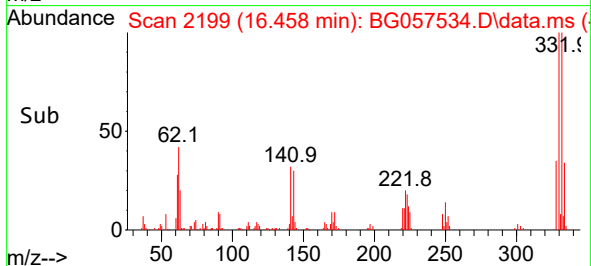
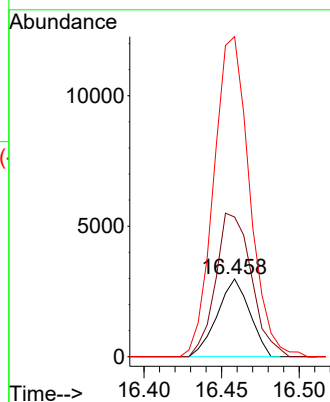
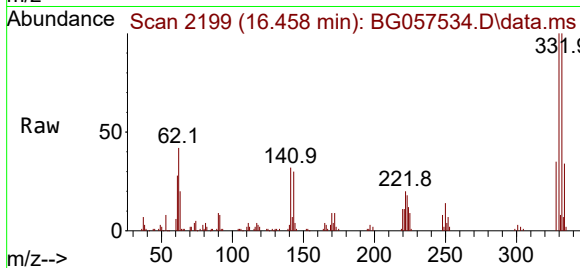
Tgt Ion:248 Resp: 4325

Ion Ratio Lower Upper

248 100

250 179.8 77.0 115.6#

141 411.6 48.6 72.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.021 min Scan# 3146

Delta R.T. -0.014 min

Lab File: BG057534.D

Acq: 24 May 2023 14:00

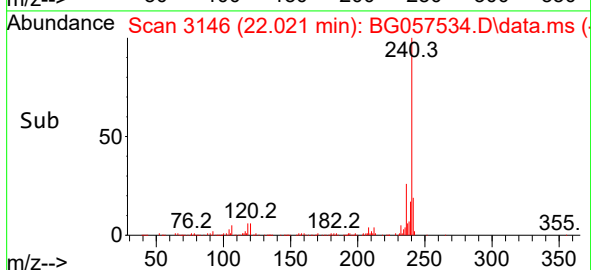
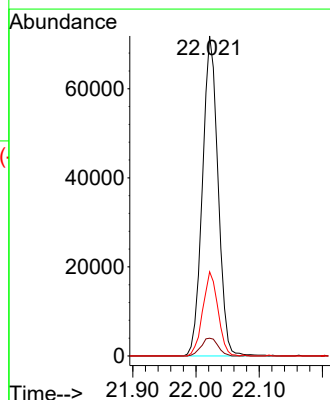
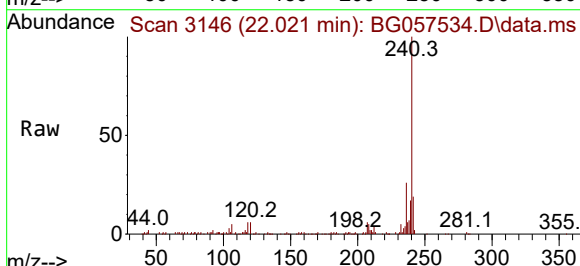
Tgt Ion:240 Resp: 123211

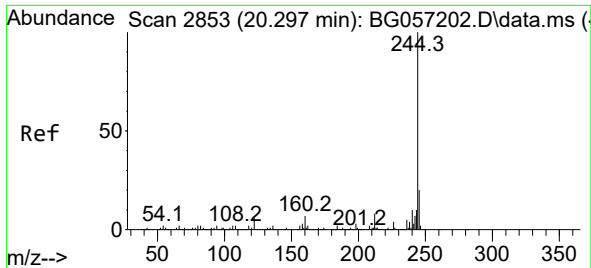
Ion Ratio Lower Upper

240 100

120 5.5 4.9 7.3

236 26.3 21.4 32.2

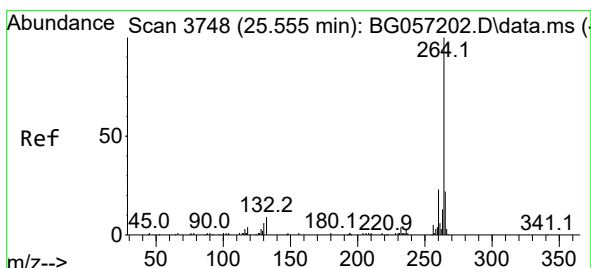
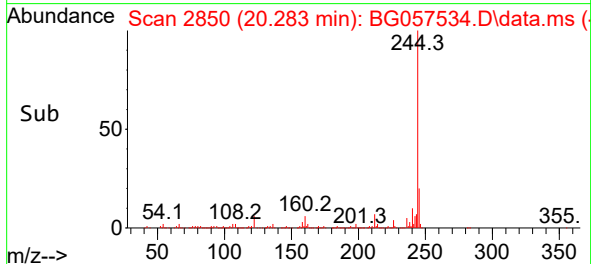
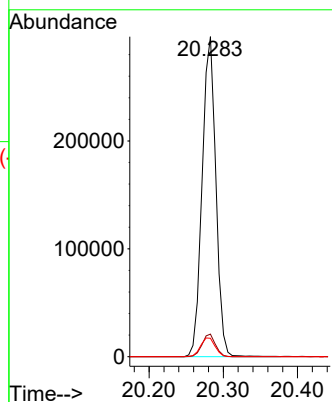
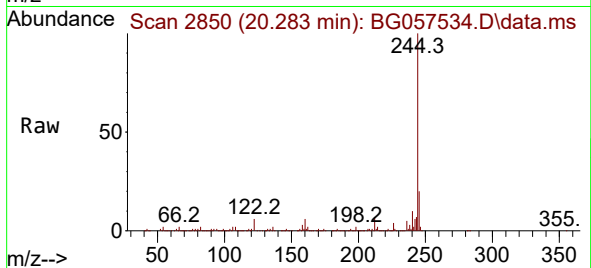




#79
 Terphenyl-d14
 Concen: 50.432 ng
 RT: 20.283 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG057534.D
 Acq: 24 May 2023 14:00

Instrument :
 BNA_G
 ClientSampleId :
 TP14

Tgt Ion:244 Resp: 380763
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 5.7 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.528 min Scan# 3743
 Delta R.T. -0.014 min
 Lab File: BG057534.D
 Acq: 24 May 2023 14:00

Tgt Ion:264 Resp: 132048
 Ion Ratio Lower Upper
 264 100
 260 25.2 18.8 28.2
 265 21.2 17.9 26.9

