

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057492.D
 Acq On : 22 May 2023 13:49
 Operator : CG/JU
 Sample : 02849-41
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP11

Quant Time: May 22 15:06:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

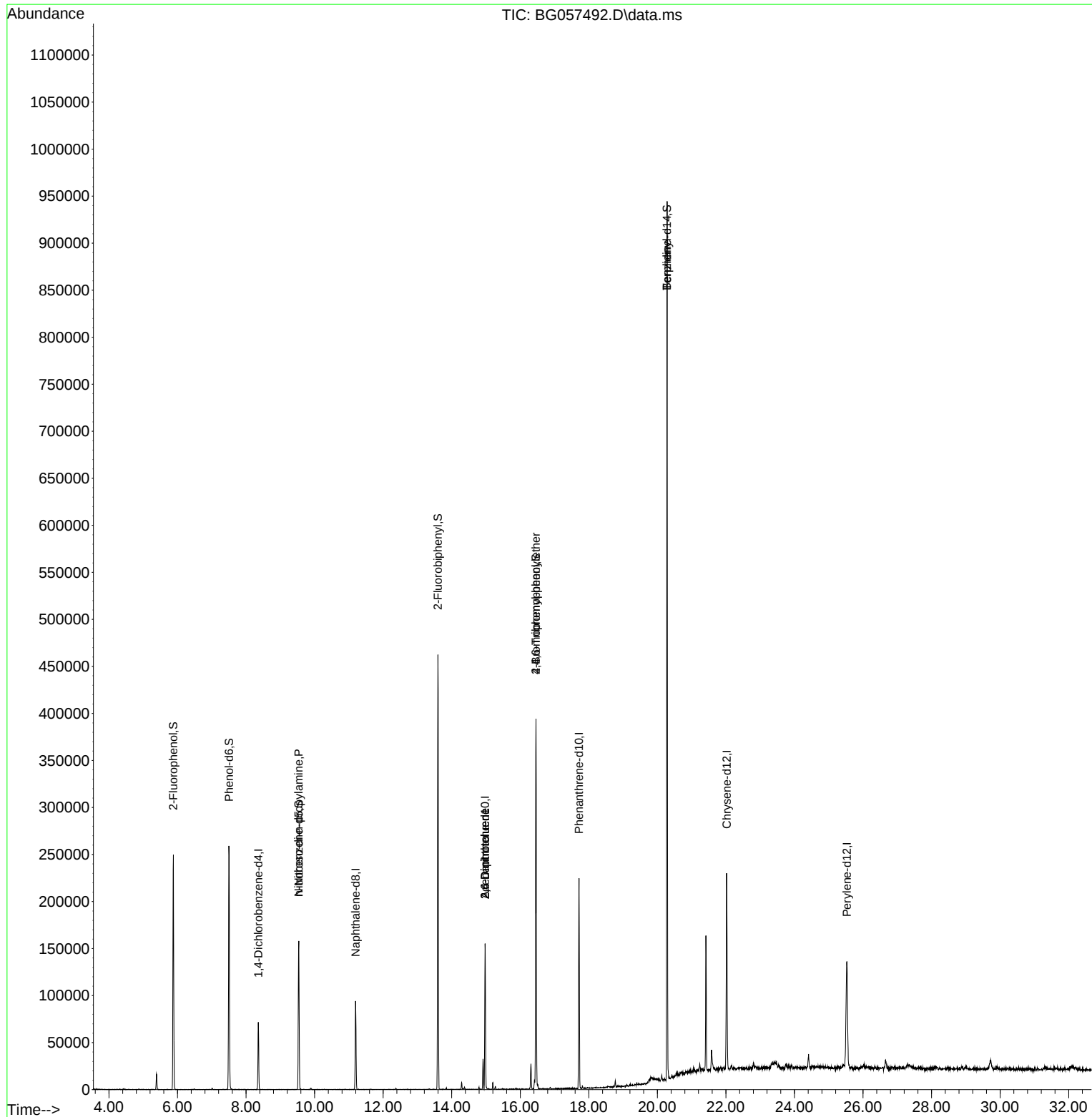
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.357	152	20549	20.000	ng	0.00
21) Naphthalene-d8	11.194	136	78808	20.000	ng	# 0.00
39) Acenaphthene-d10	14.971	164	58233	20.000	ng	0.00
64) Phenanthrene-d10	17.715	188	150128	20.000	ng	0.00
76) Chrysene-d12	22.021	240	134525	20.000	ng	0.00
86) Perylene-d12	25.528	264	143524	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.878	112	110083	91.639	ng	0.00
7) Phenol-d6	7.499	99	158610	86.949	ng	0.00
23) Nitrobenzene-d5	9.537	82	103035	54.873	ng	0.00
42) 2,4,6-Tribromophenol	16.458	330	83636	101.222	ng	0.00
45) 2-Fluorobiphenyl	13.597	172	253145	58.547	ng	0.00
79) Terphenyl-d14	20.282	244	471457	57.192	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.505	77	129	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.537	70	14726	10.587	ng	# 74
51) 2,6-Dinitrotoluene	14.971	165	7649	7.829	ng	# 17
57) 2,4-Dinitrotoluene	14.971	165	7649	5.478	ng	# 20
67) 4-Bromophenyl-phenylether	16.458	248	6135	3.348	ng	# 1
77) Benzidine	20.282	184	7062	2.348	ng	# 90

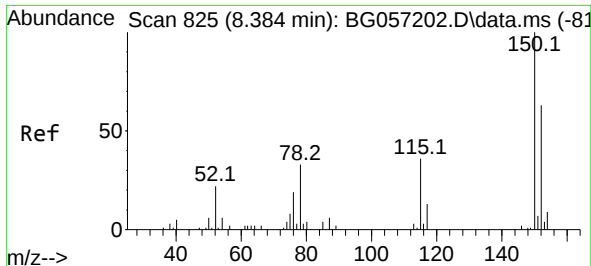
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057492.D
Acq On : 22 May 2023 13:49
Operator : CG/JU
Sample : 02849-41
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP11

Quant Time: May 22 15:06:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
Response via : Initial Calibration

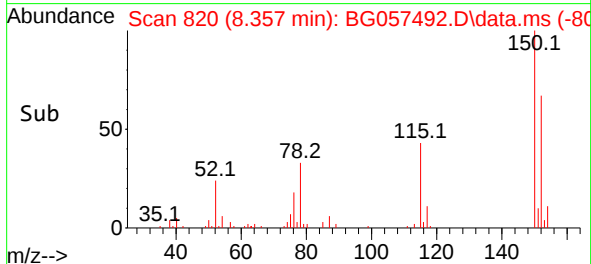
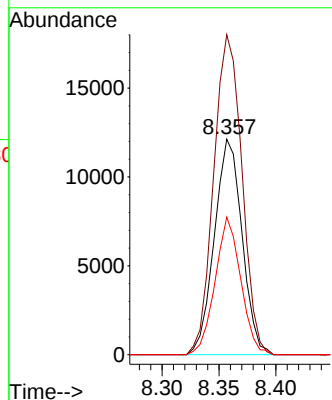
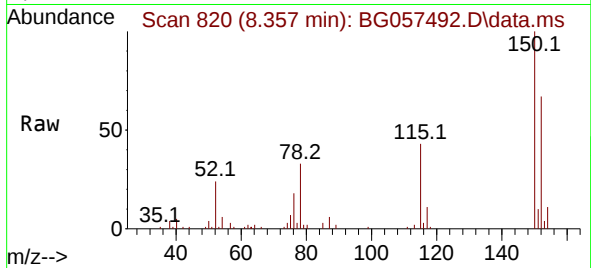




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.357 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

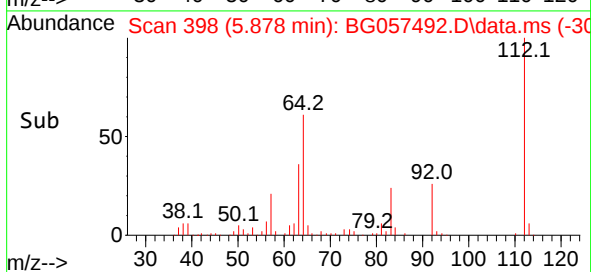
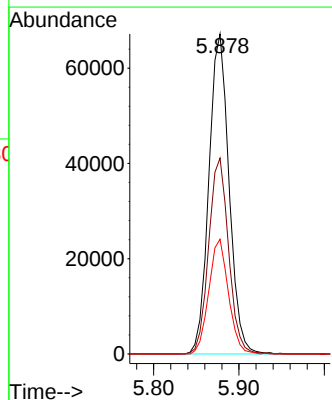
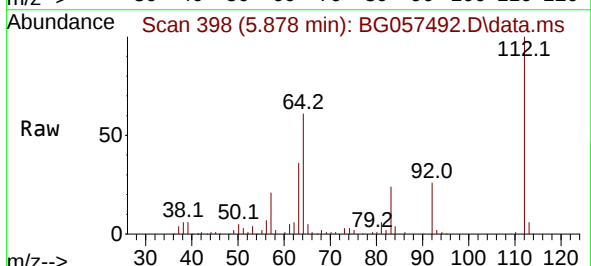
Instrument :
BNA_G
ClientSampleId :
TP11

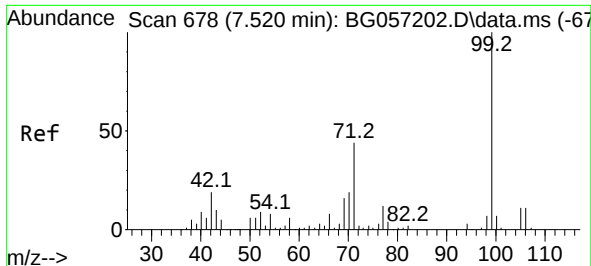
Tgt Ion:152 Resp: 20549
Ion Ratio Lower Upper
152 100
150 148.4 126.2 189.4
115 63.9 45.0 67.4



#5
2-Fluorophenol
Concen: 91.639 ng
RT: 5.878 min Scan# 398
Delta R.T. 0.007 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

Tgt Ion:112 Resp: 110083
Ion Ratio Lower Upper
112 100
64 61.2 49.4 74.2
63 35.9 31.6 47.4

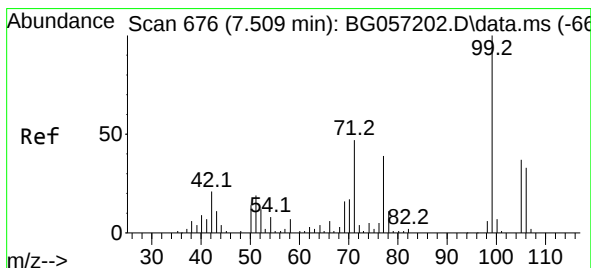
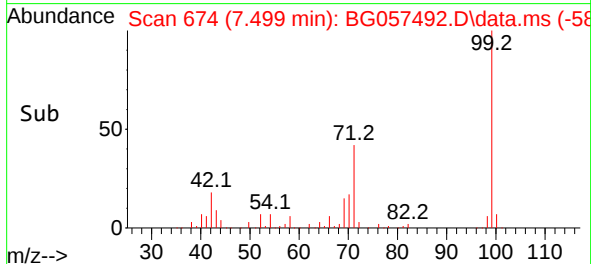
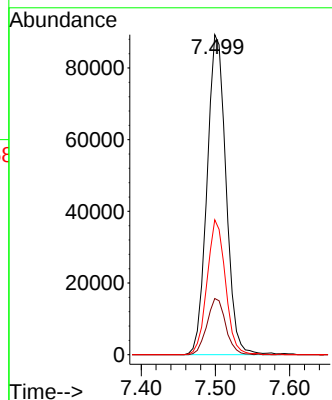
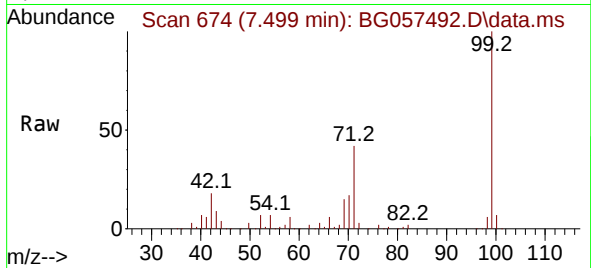




#7
Phenol-d6
Concen: 86.949 ng
RT: 7.499 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

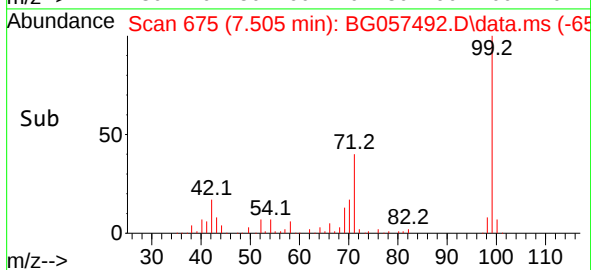
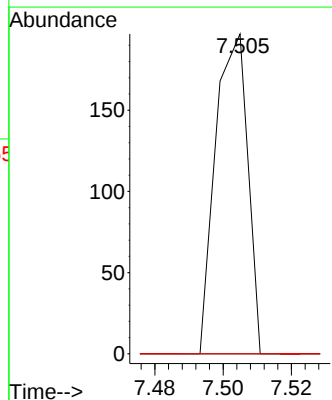
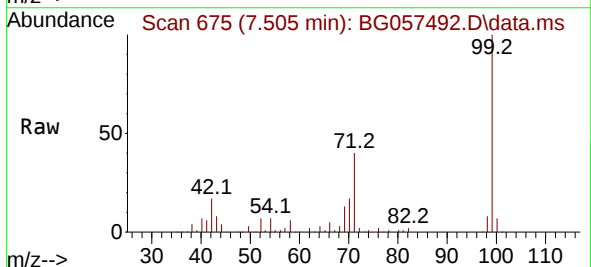
Instrument :
BNA_G
ClientSampleId :
TP11

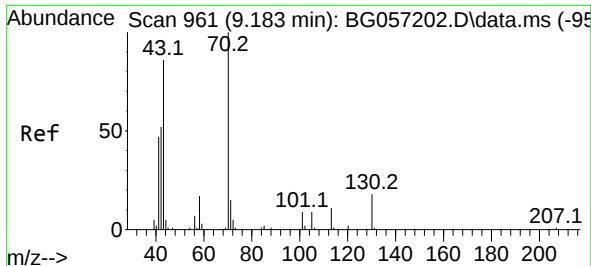
Tgt Ion: 99 Resp: 158610
Ion Ratio Lower Upper
99 100
42 17.6 15.1 22.7
71 42.1 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.505 min Scan# 675
Delta R.T. 0.019 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

Tgt Ion: 77 Resp: 129
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

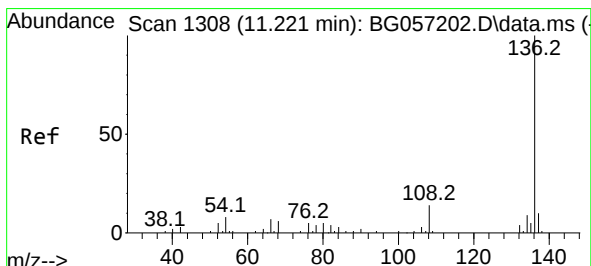
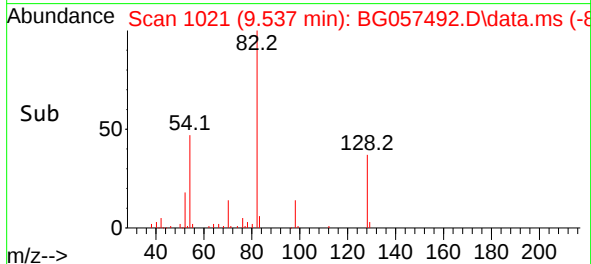
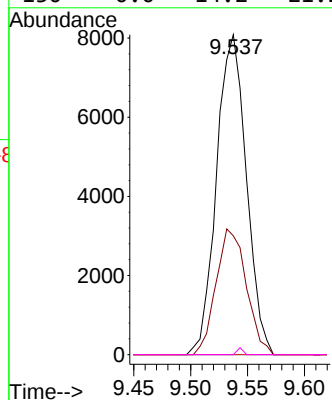
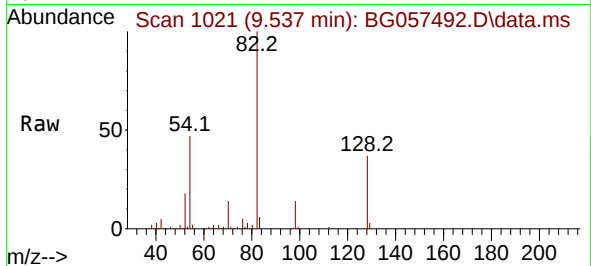




#19
n-Nitroso-di-n-propylamine
Concen: 10.587 ng
RT: 9.537 min Scan# 1021
Delta R.T. 0.377 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

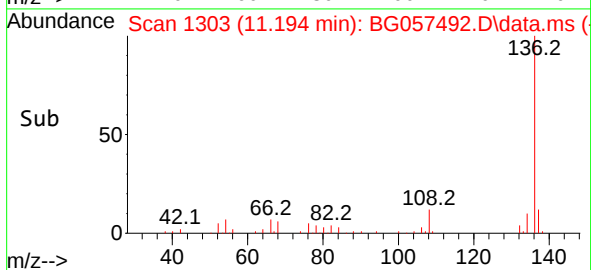
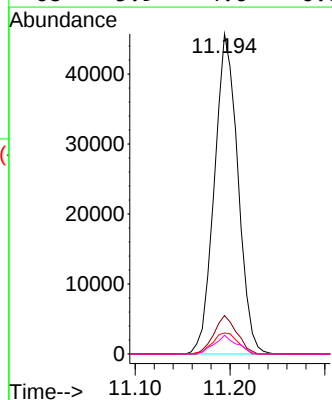
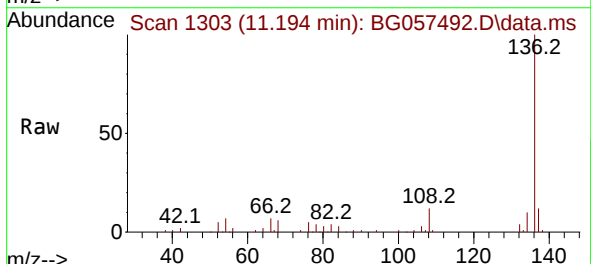
Instrument :
BNA_G
ClientSampleId :
TP11

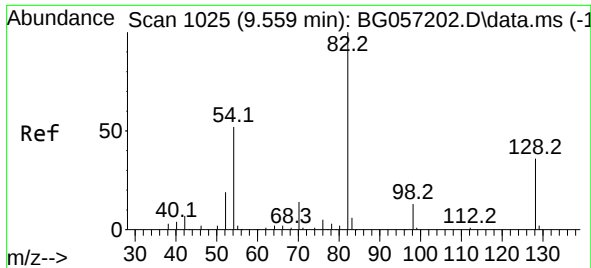
Tgt Ion: 70 Resp: 14726
Ion Ratio Lower Upper
70 100
42 37.2 41.8 62.8#
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.194 min Scan# 1303
Delta R.T. -0.005 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

Tgt Ion: 136 Resp: 78808
Ion Ratio Lower Upper
136 100
137 12.0 8.3 12.5
54 6.5 6.7 10.1#
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 54.873 ng

RT: 9.537 min Scan# 1021

Delta R.T. 0.001 min

Lab File: BG057492.D

Acq: 22 May 2023 13:49

Instrument :

BNA_G

ClientSampleId :

TP11

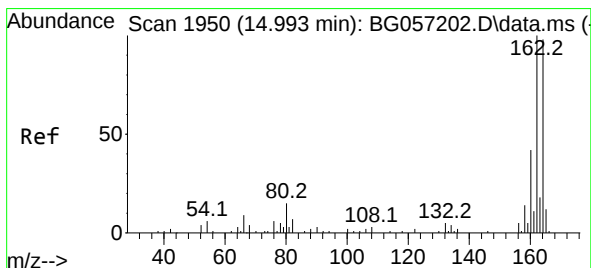
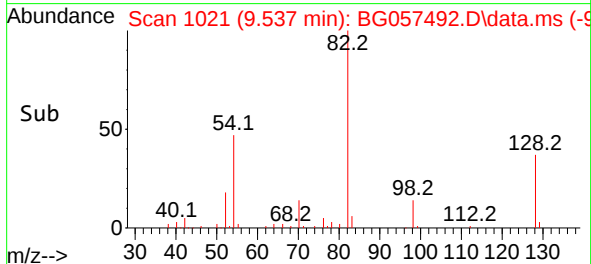
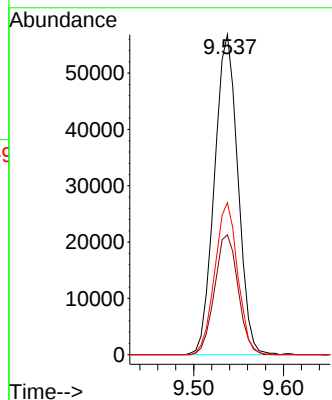
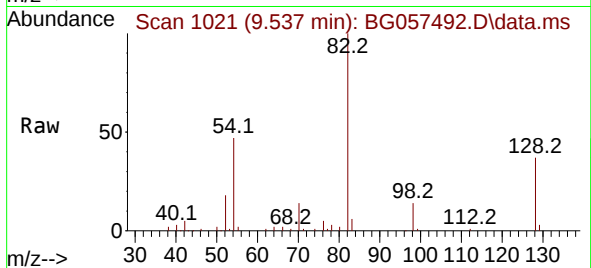
Tgt Ion: 82 Resp: 103035

Ion Ratio Lower Upper

82 100

128 37.5 29.0 43.4

54 47.5 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.971 min Scan# 1946

Delta R.T. -0.005 min

Lab File: BG057492.D

Acq: 22 May 2023 13:49

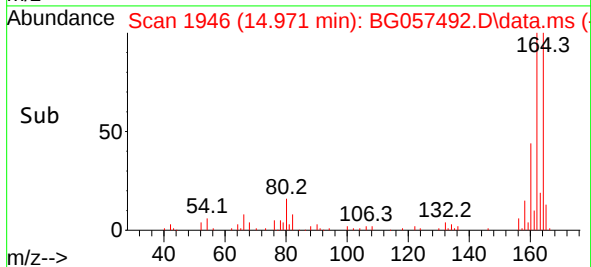
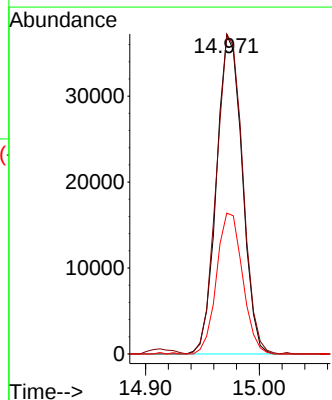
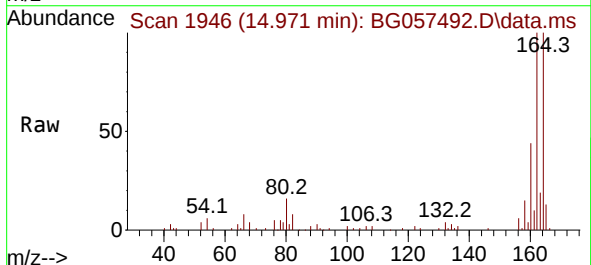
Tgt Ion:164 Resp: 58233

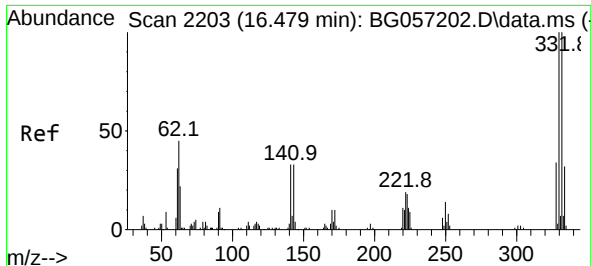
Ion Ratio Lower Upper

164 100

162 100.3 81.8 122.6

160 44.1 34.6 52.0

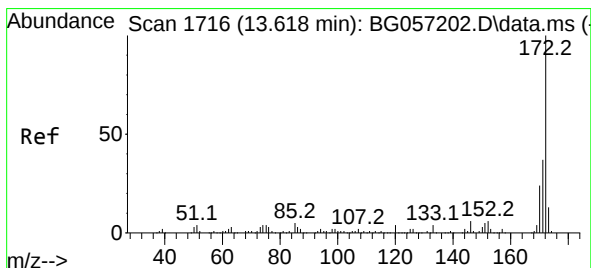
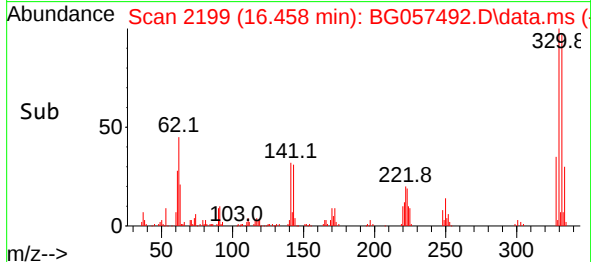
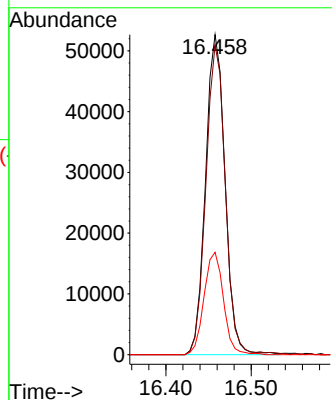
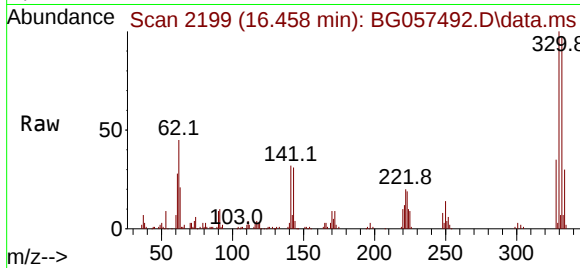




#42
2,4,6-Tribromophenol
Concen: 101.222 ng
RT: 16.458 min Scan# 2199
Delta R.T. 0.001 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

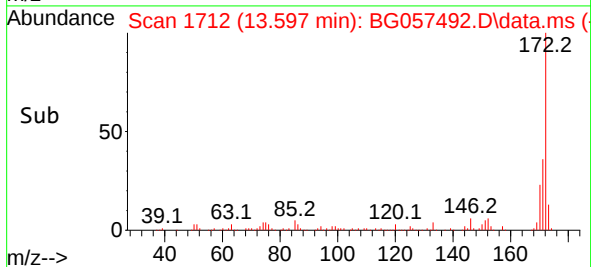
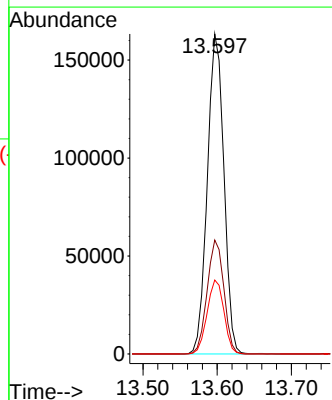
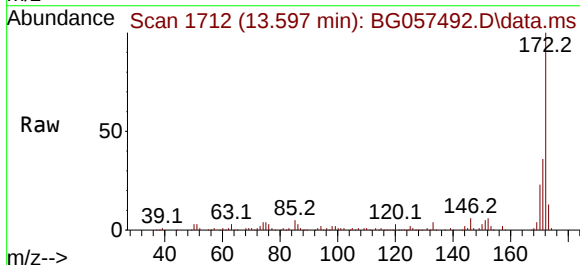
Instrument :
BNA_G
ClientSampleId :
TP11

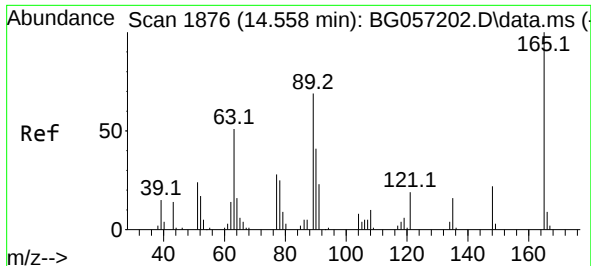
Tgt Ion:330 Resp: 83636
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.2
141 31.8 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 58.547 ng
RT: 13.597 min Scan# 1712
Delta R.T. -0.005 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

Tgt Ion:172 Resp: 253145
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 23.1 19.0 28.6

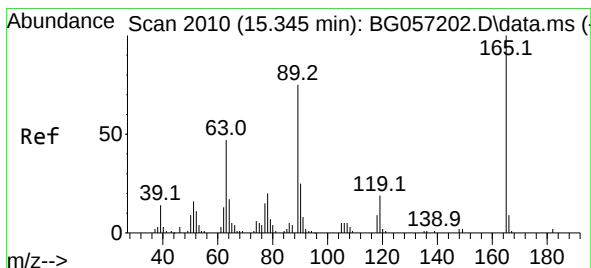
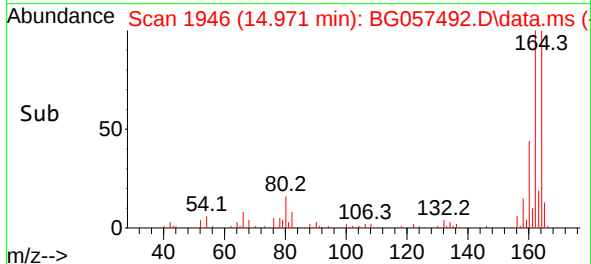
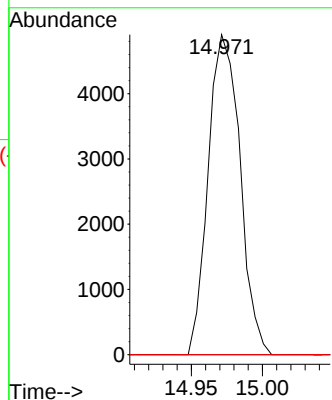
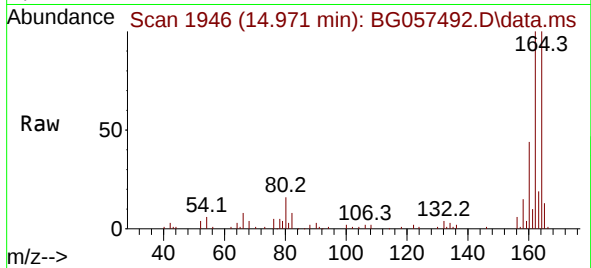




#51
2,6-Dinitrotoluene
Concen: 7.829 ng
RT: 14.971 min Scan# 1946
Delta R.T. 0.430 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

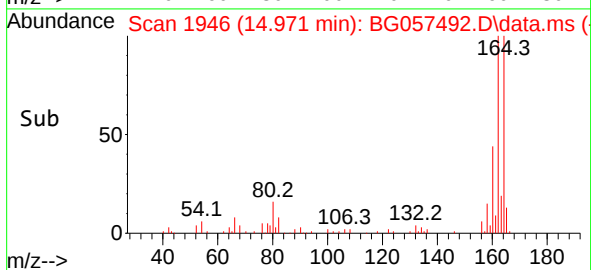
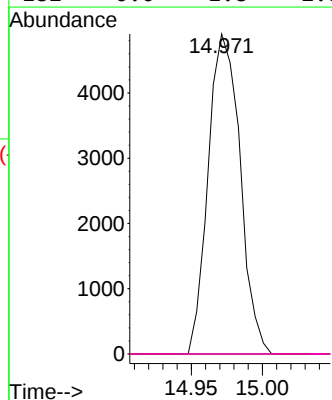
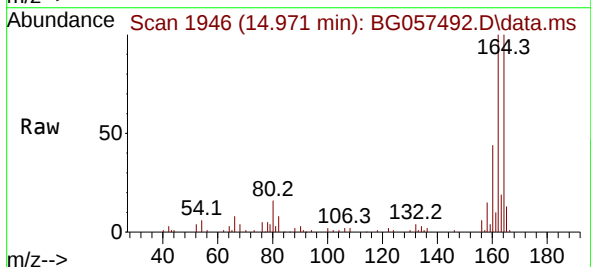
Instrument :
BNA_G
ClientSampleId :
TP11

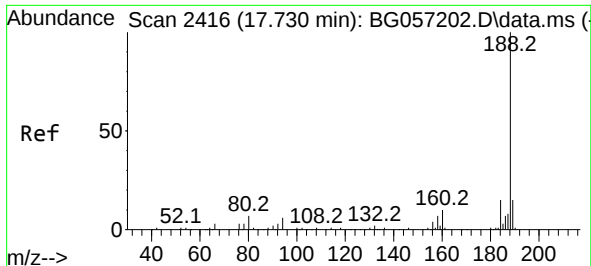
Tgt Ion:165 Resp: 7649
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.478 ng
RT: 14.971 min Scan# 1946
Delta R.T. -0.357 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

Tgt Ion:165 Resp: 7649
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#

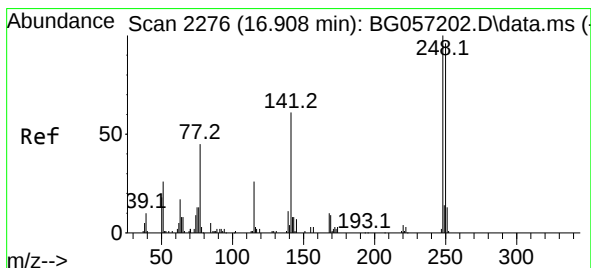
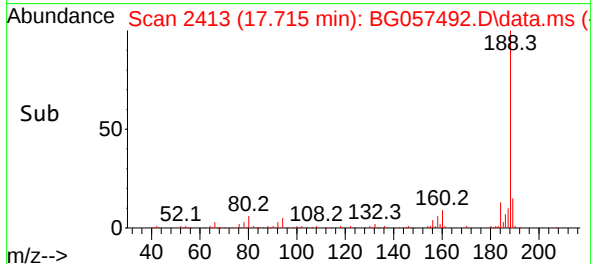
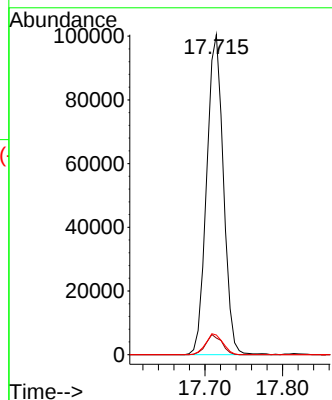
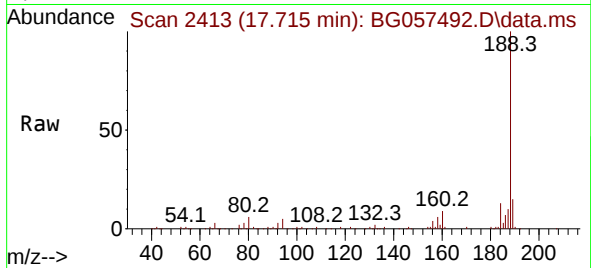




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.715 min Scan# 2416
Delta R.T. 0.001 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

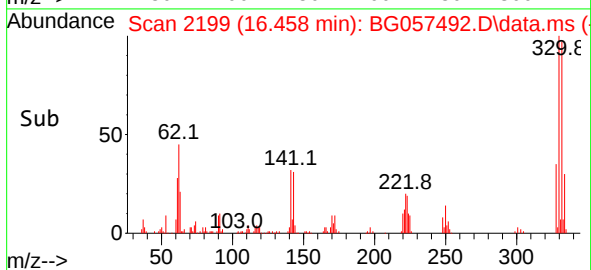
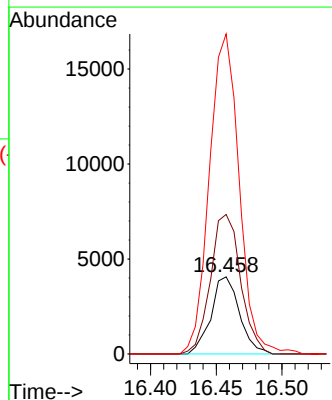
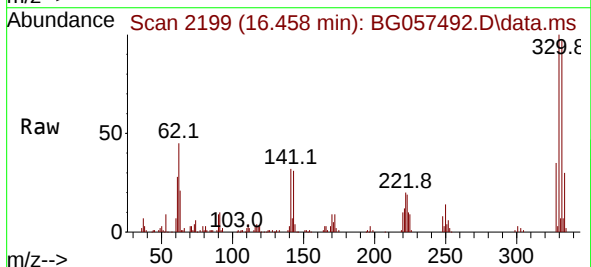
Instrument :
BNA_G
ClientSampleId :
TP11

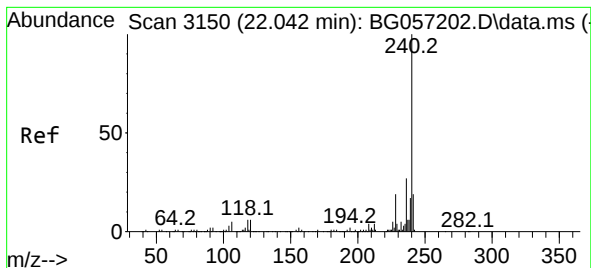
Tgt Ion:188 Resp: 150128
Ion Ratio Lower Upper
188 100
94 5.2 5.1 7.7
80 6.2 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 3.348 ng
RT: 16.458 min Scan# 2199
Delta R.T. -0.428 min
Lab File: BG057492.D
Acq: 22 May 2023 13:49

Tgt Ion:248 Resp: 6135
Ion Ratio Lower Upper
248 100
250 181.1 77.0 115.6#
141 415.3 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.021 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG057492.D

Acq: 22 May 2023 13:49

Instrument :

BNA_G

ClientSampleId :

TP11

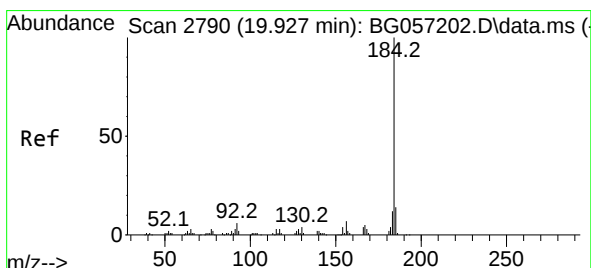
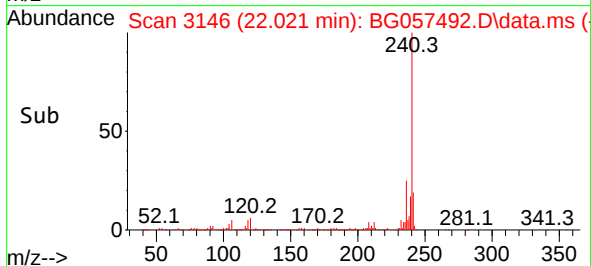
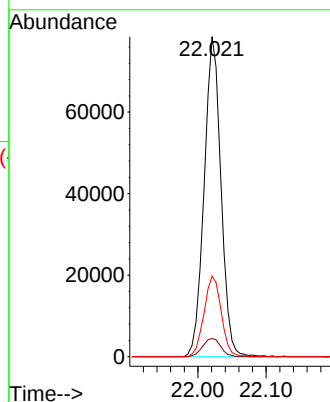
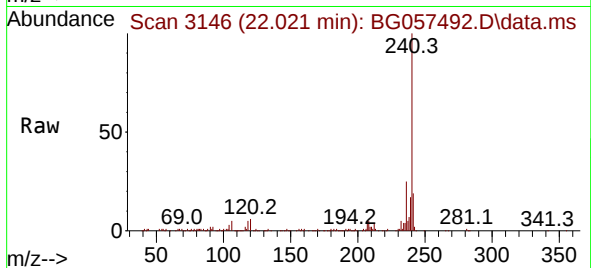
Tgt Ion:240 Resp: 134525

Ion Ratio Lower Upper

240 100

120 5.7 4.9 7.3

236 25.2 21.4 32.2



#77

Benzidine

Concen: 2.348 ng

RT: 20.282 min Scan# 2850

Delta R.T. 0.371 min

Lab File: BG057492.D

Acq: 22 May 2023 13:49

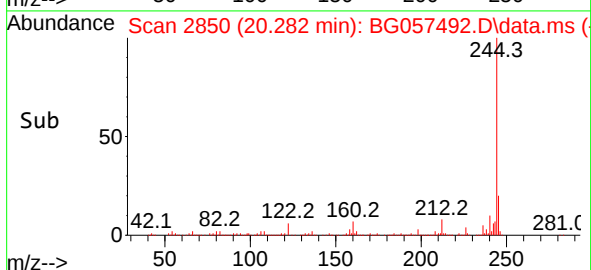
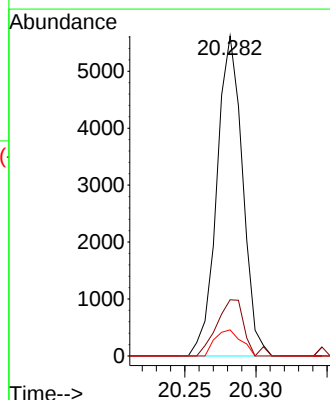
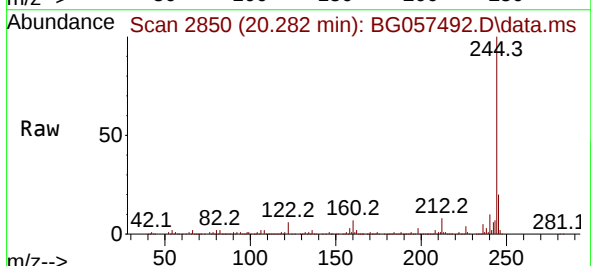
Tgt Ion:184 Resp: 7062

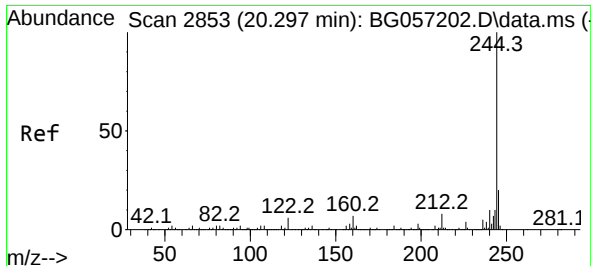
Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

183 8.2 9.9 14.9#

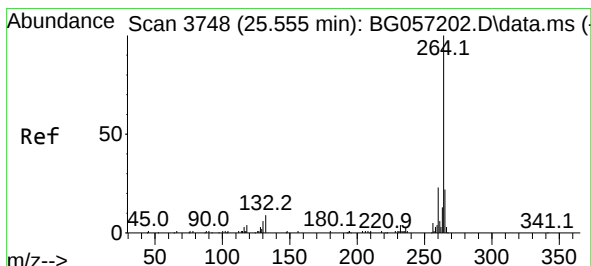
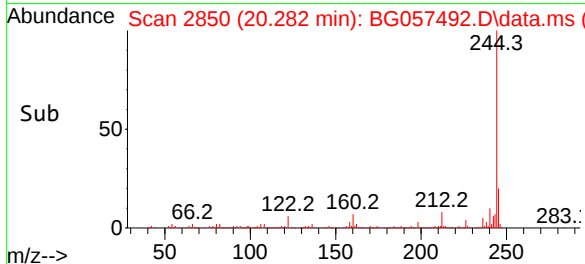
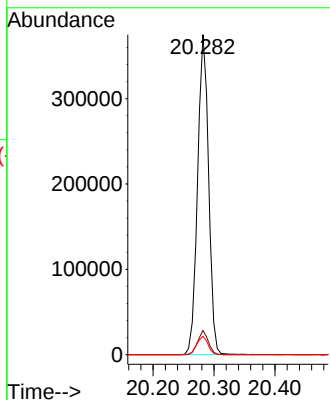
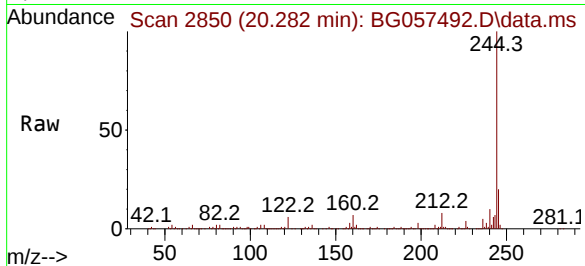




#79
 Terphenyl-d14
 Concen: 57.192 ng
 RT: 20.282 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG057492.D
 Acq: 22 May 2023 13:49

Instrument :
 BNA_G
 ClientSampleId :
 TP11

Tgt Ion:244 Resp: 471457
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 5.8 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.528 min Scan# 3743
 Delta R.T. 0.013 min
 Lab File: BG057492.D
 Acq: 22 May 2023 13:49

Tgt Ion:264 Resp: 143524
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.8 28.2
 265 21.3 17.9 26.9

