

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057481.D
 Acq On : 20 May 2023 00:23
 Operator : CG/JU
 Sample : 02849-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP8

Quant Time: May 20 04:31:37 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)

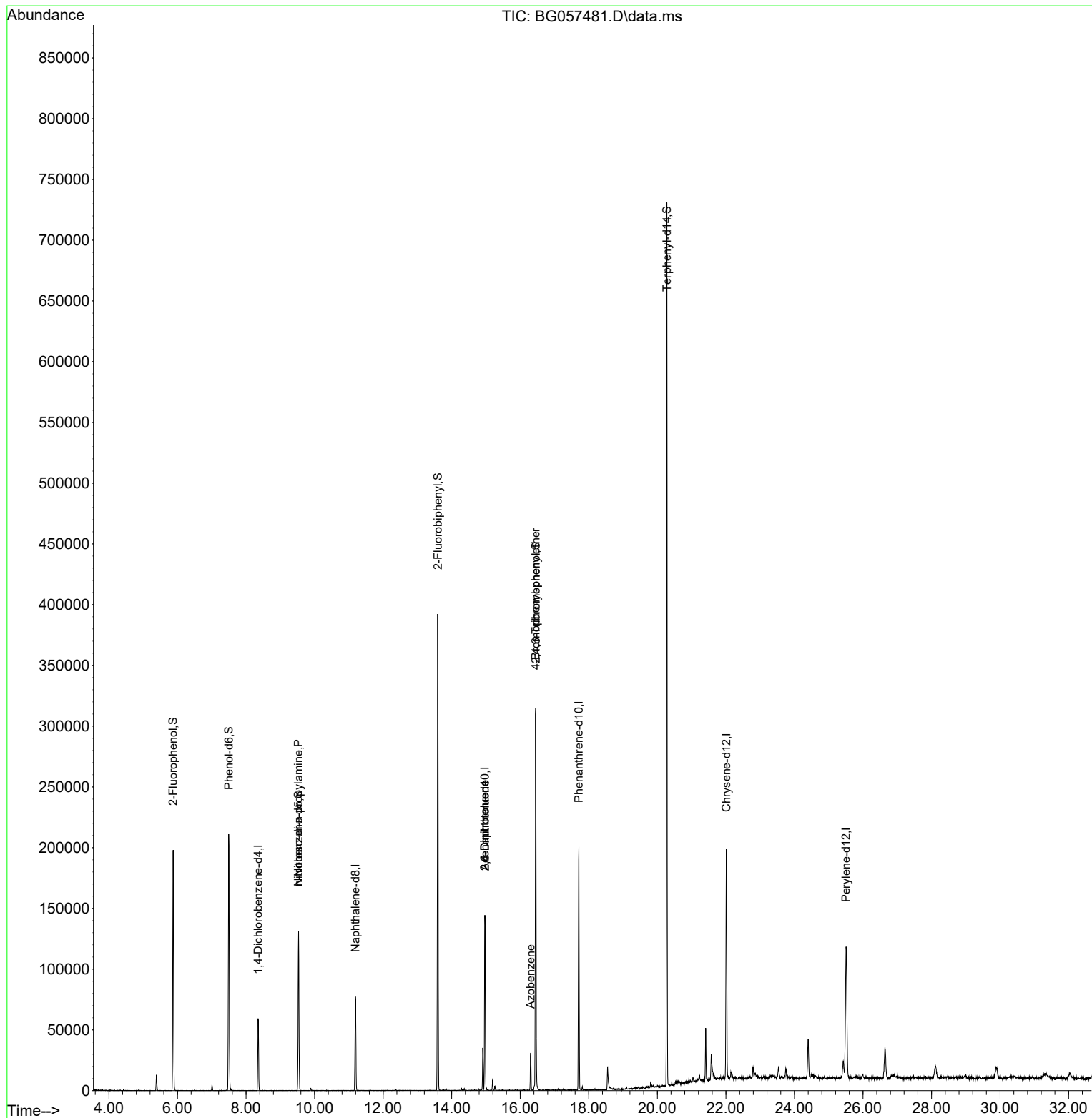
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.352	152	17489	20.000	ng	0.00
21) Naphthalene-d8	11.189	136	69223	20.000	ng	# 0.00
39) Acenaphthene-d10	14.967	164	52862	20.000	ng	0.00
64) Phenanthrene-d10	17.710	188	135917	20.000	ng	0.00
76) Chrysene-d12	22.010	240	127749	20.000	ng	0.00
86) Perylene-d12	25.505	264	137874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	86728	84.829	ng	0.00
7) Phenol-d6	7.494	99	129090	83.148	ng	0.00
23) Nitrobenzene-d5	9.533	82	82147	49.807	ng	0.00
42) 2,4,6-Tribromophenol	16.453	330	65777	87.696	ng	0.00
45) 2-Fluorobiphenyl	13.592	172	210876	53.726	ng	0.00
79) Terphenyl-d14	20.277	244	379221	48.443	ng	0.00
Target Compounds						
9) Benzaldehyde	7.494	77	123	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propyla...	9.533	70	11388	9.620 ng	#	79
51) 2,6-Dinitrotoluene	14.967	165	7326	8.260 ng	#	17
57) 2,4-Dinitrotoluene	14.967	165	7326	5.780 ng	#	20
63) Azobenzene	16.306	77	9961	2.340 ng	#	1
67) 4-Bromophenyl-phenylether	16.447	248	4493	2.708 ng	#	1

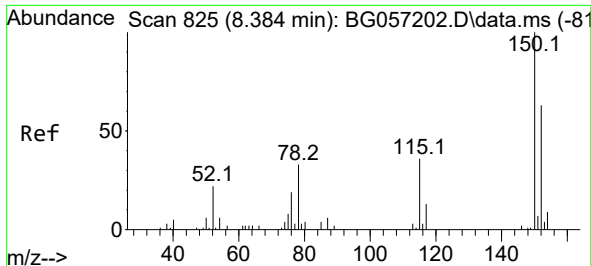
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP8

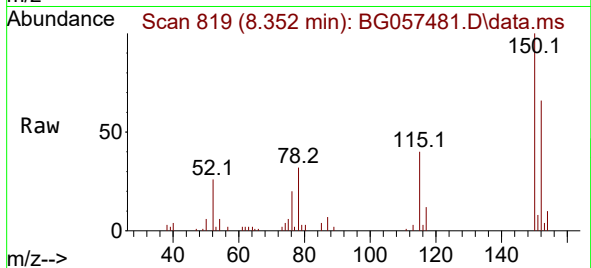
Quant Time: May 20 04:31:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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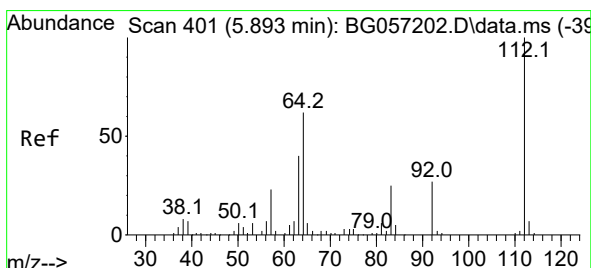
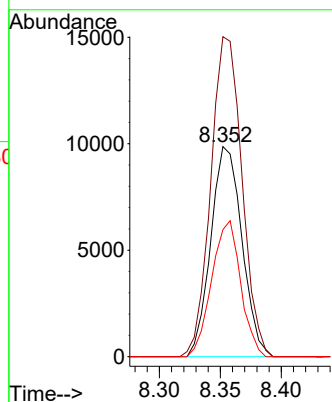
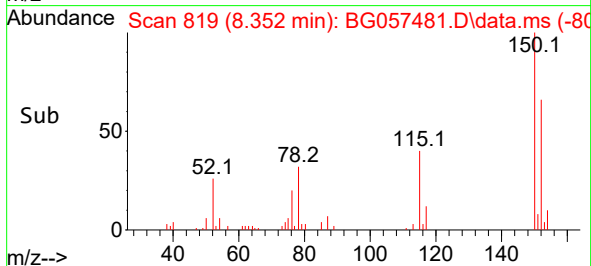


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.352 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

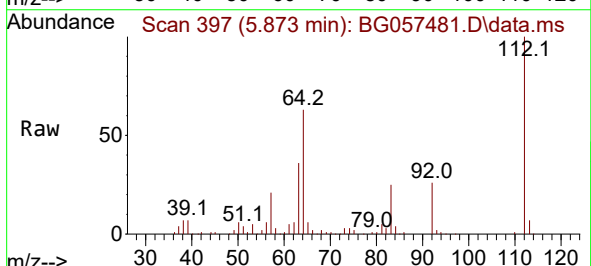
Instrument :
BNA_G
ClientSampleId :
TP8



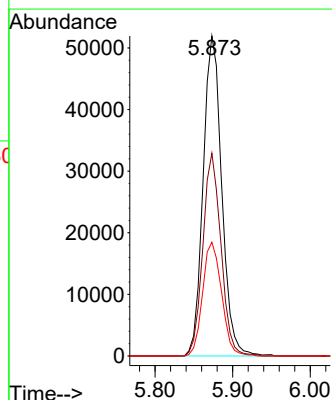
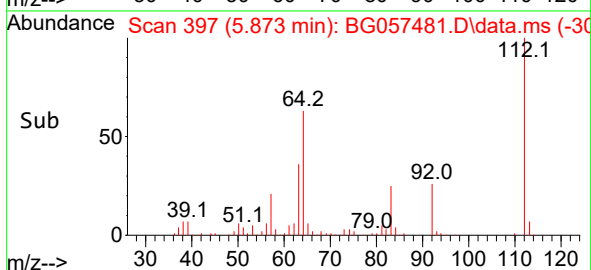
Tgt Ion:152 Resp: 17489
Ion Ratio Lower Upper
152 100
150 152.4 126.2 189.4
115 60.5 45.0 67.4

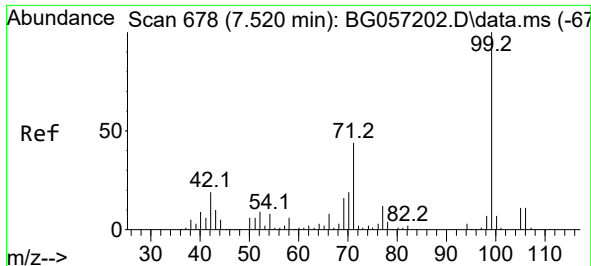


#5
2-Fluorophenol
Concen: 84.829 ng
RT: 5.873 min Scan# 397
Delta R.T. 0.002 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23



Tgt Ion:112 Resp: 86728
Ion Ratio Lower Upper
112 100
64 63.3 49.4 74.2
63 35.6 31.6 47.4

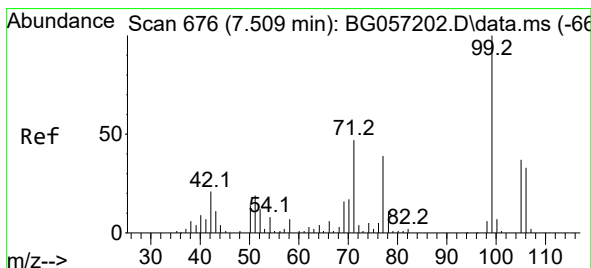
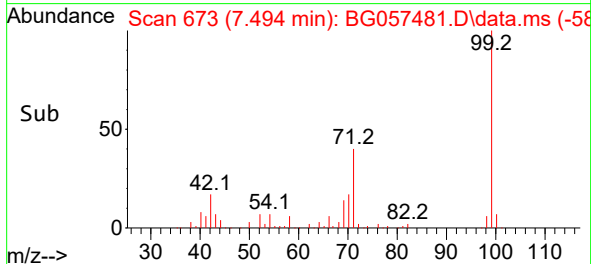
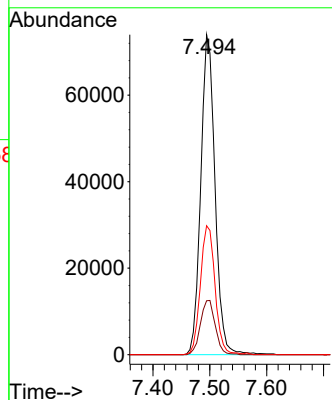
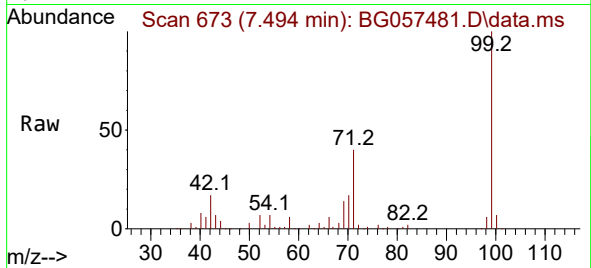




#7
Phenol-d6
Concen: 83.148 ng
RT: 7.494 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

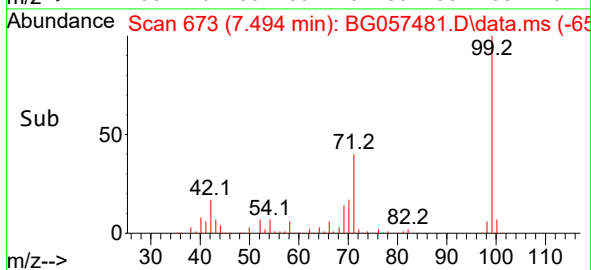
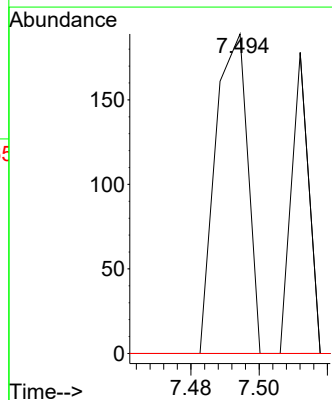
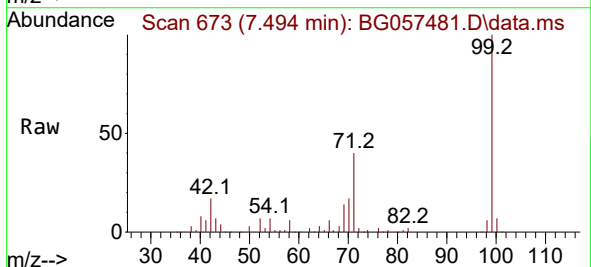
Instrument :
BNA_G
ClientSampleId :
TP8

Tgt Ion: 99 Resp: 129090
Ion Ratio Lower Upper
99 100
42 16.8 15.1 22.7
71 40.3 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.494 min Scan# 673
Delta R.T. 0.008 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

Tgt Ion: 77 Resp: 123
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

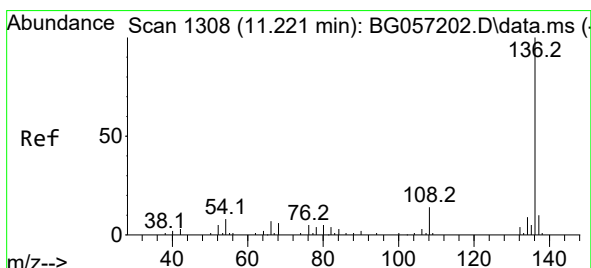
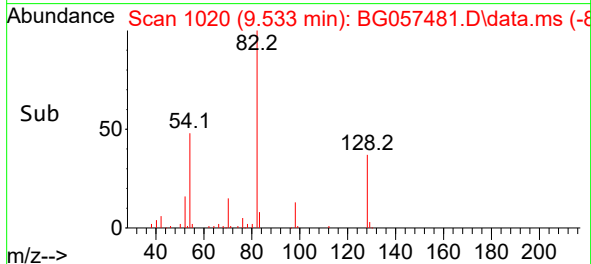
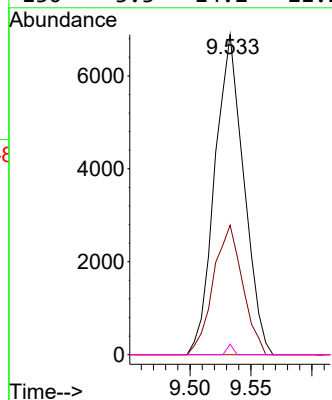
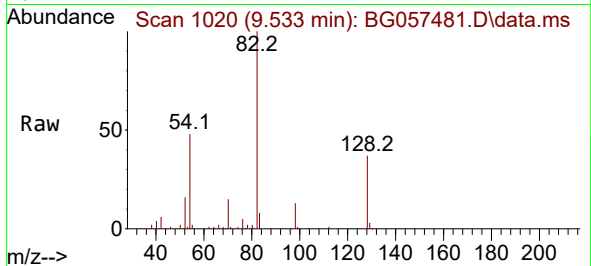




#19
n-Nitroso-di-n-propylamine
Concen: 9.620 ng
RT: 9.533 min Scan# 1020
Delta R.T. 0.372 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

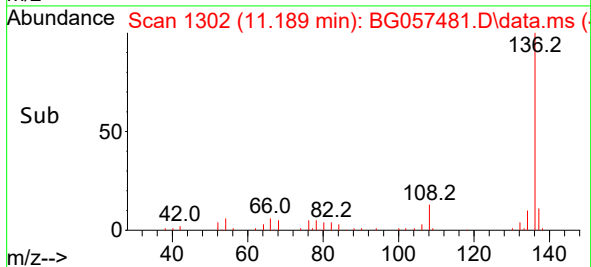
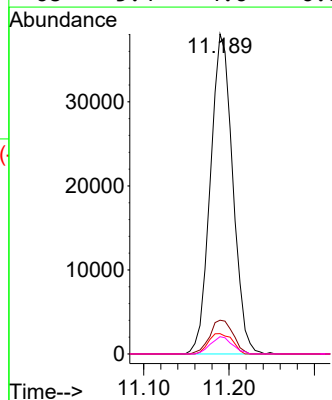
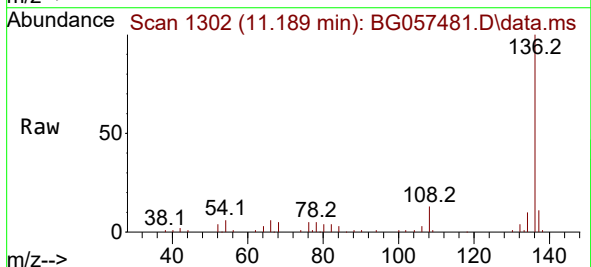
Instrument :
BNA_G
ClientSampleId :
TP8

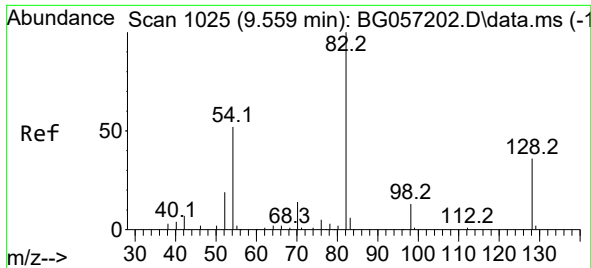
Tgt Ion: 70 Resp: 11388
Ion Ratio Lower Upper
70 100
42 40.4 41.8 62.8#
101 0.0 6.8 10.2#
130 3.3 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.189 min Scan# 1302
Delta R.T. -0.010 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

Tgt Ion: 136 Resp: 69223
Ion Ratio Lower Upper
136 100
137 10.6 8.3 12.5
54 6.4 6.7 10.1#
68 5.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 49.807 ng

RT: 9.533 min Scan# 1020

Delta R.T. -0.004 min

Lab File: BG057481.D

Acq: 20 May 2023 00:23

Instrument :

BNA_G

ClientSampleId :

TP8

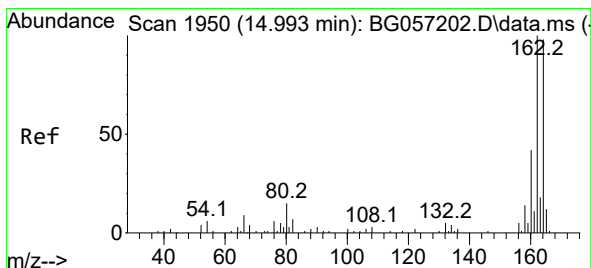
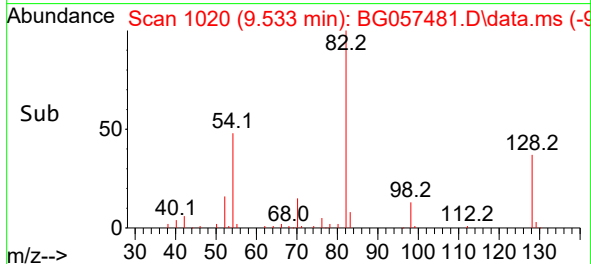
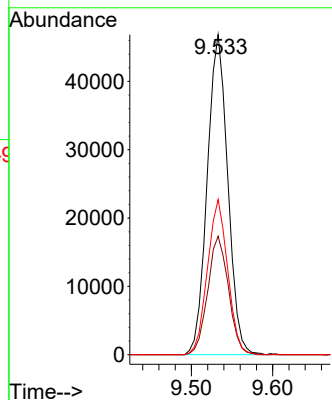
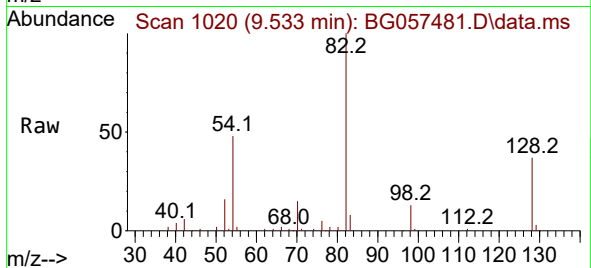
Tgt Ion: 82 Resp: 82147

Ion Ratio Lower Upper

82 100

128 37.0 29.0 43.4

54 48.5 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.967 min Scan# 1945

Delta R.T. -0.010 min

Lab File: BG057481.D

Acq: 20 May 2023 00:23

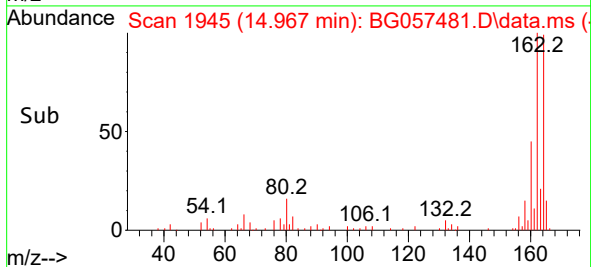
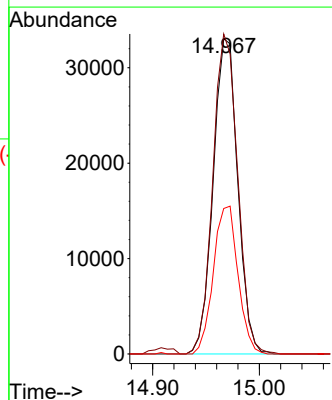
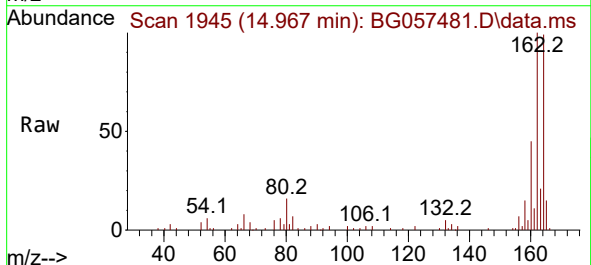
Tgt Ion:164 Resp: 52862

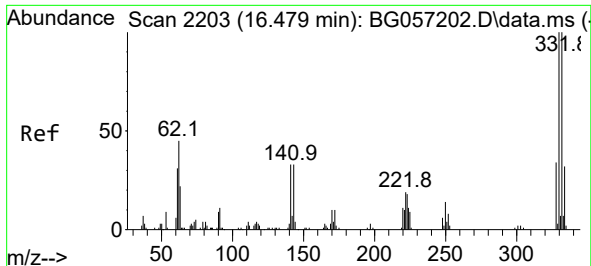
Ion Ratio Lower Upper

164 100

162 101.5 81.8 122.6

160 46.1 34.6 52.0

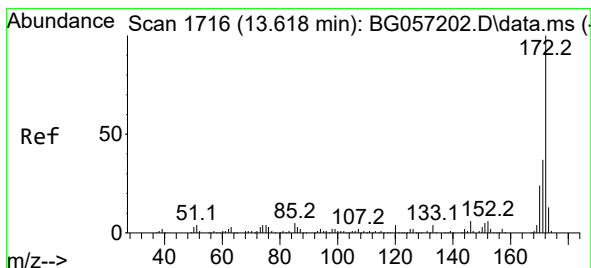
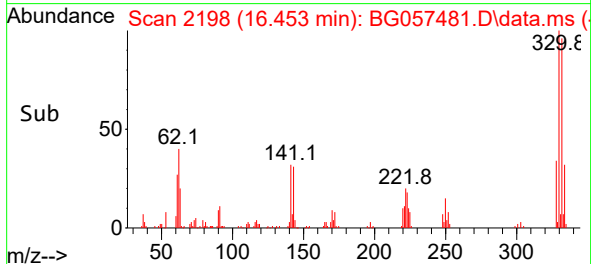
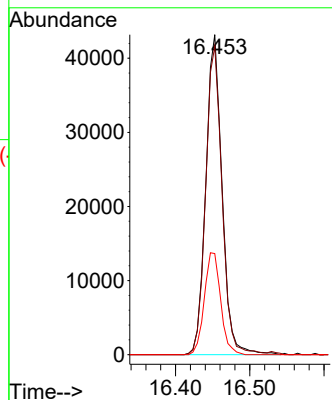
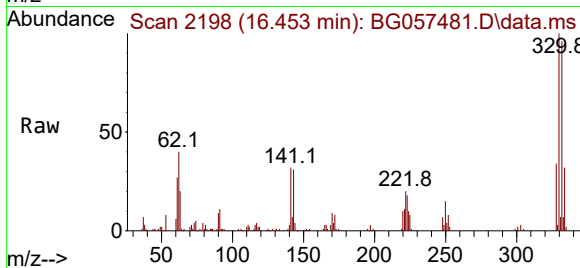




#42
2,4,6-Tribromophenol
Concen: 87.696 ng
RT: 16.453 min Scan# 2119
Delta R.T. -0.004 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

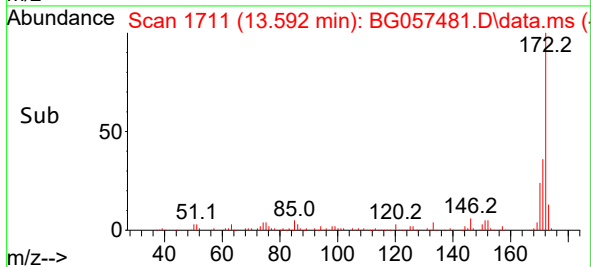
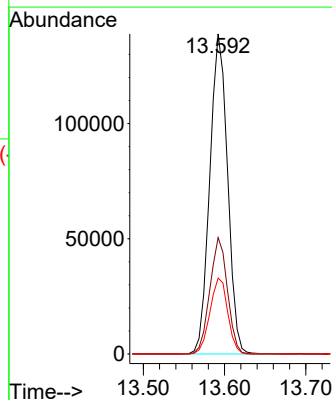
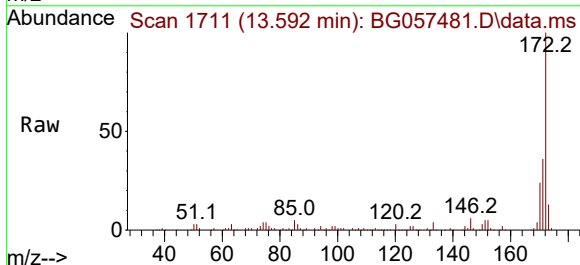
Instrument :
BNA_G
ClientSampleId :
TP8

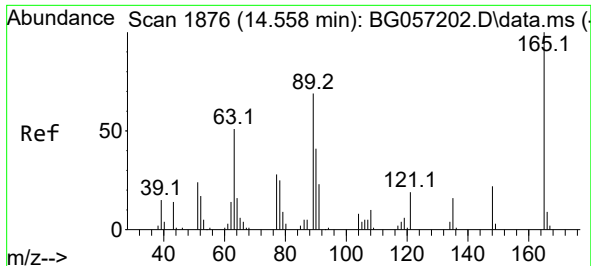
Tgt Ion:330 Resp: 65777
Ion Ratio Lower Upper
330 100
332 97.0 78.2 117.2
141 32.0 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 53.726 ng
RT: 13.592 min Scan# 1711
Delta R.T. -0.010 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

Tgt Ion:172 Resp: 210876
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 23.7 19.0 28.6

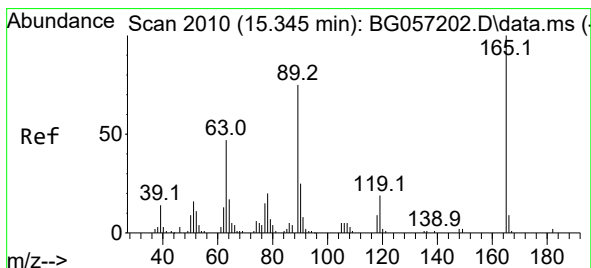
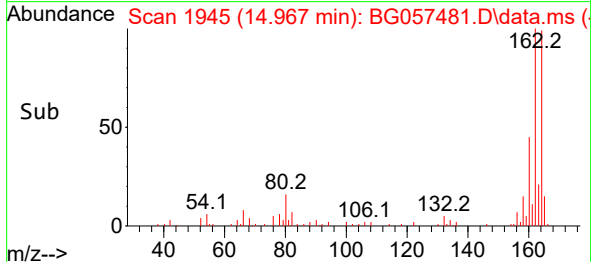
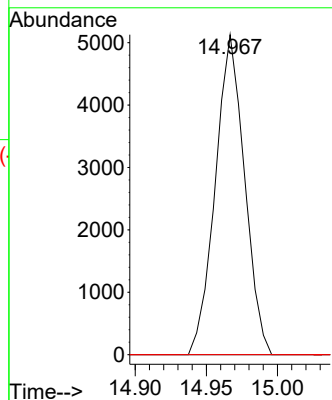
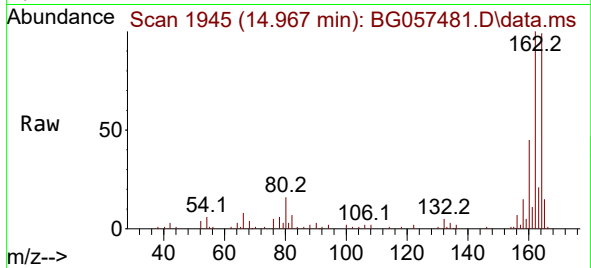




#51
2,6-Dinitrotoluene
Concen: 8.260 ng
RT: 14.967 min Scan# 1945
Delta R.T. 0.425 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

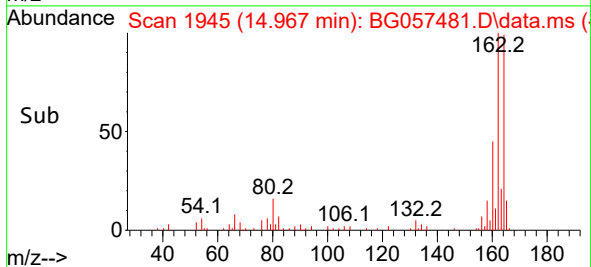
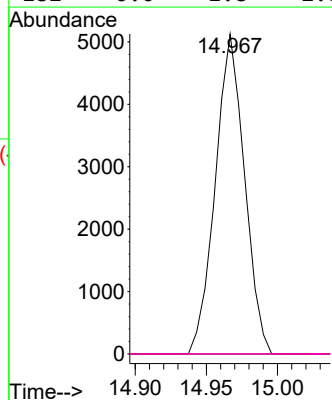
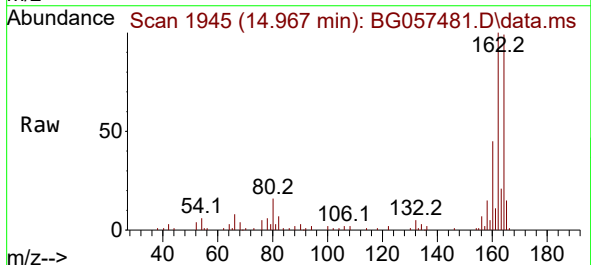
Instrument :
BNA_G
ClientSampleId :
TP8

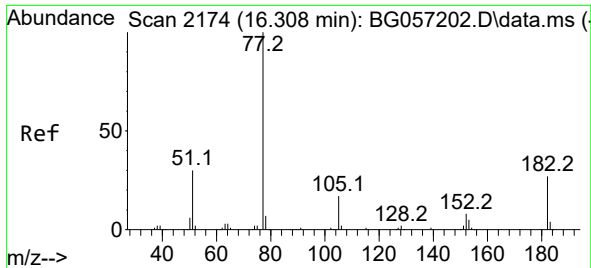
Tgt Ion:165 Resp: 7326
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.780 ng
RT: 14.967 min Scan# 1945
Delta R.T. -0.362 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

Tgt Ion:165 Resp: 7326
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#

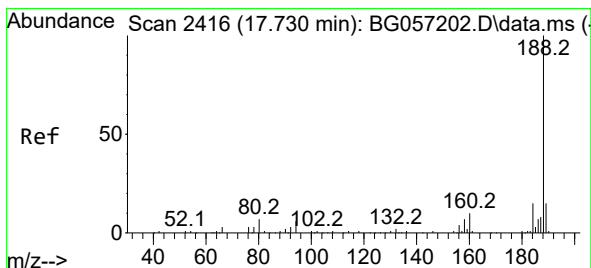
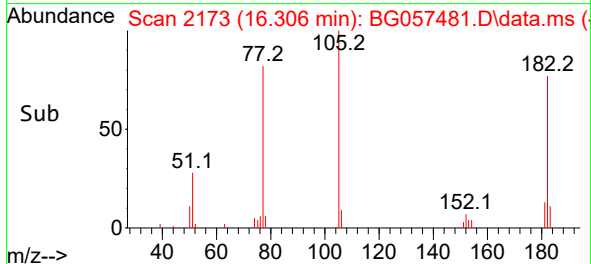
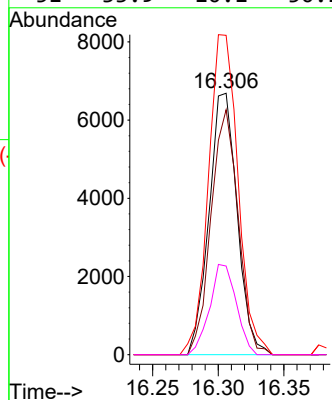
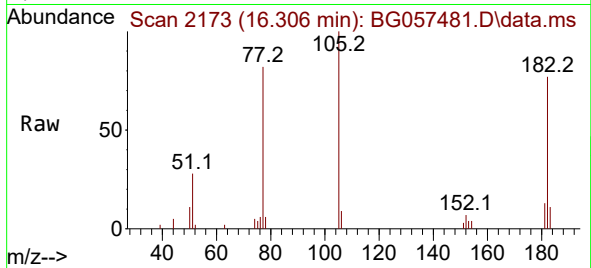




#63
 Azobenzene
 Concen: 2.340 ng
 RT: 16.306 min Scan# 2173
 Delta R.T. 0.020 min
 Lab File: BG057481.D
 Acq: 20 May 2023 00:23

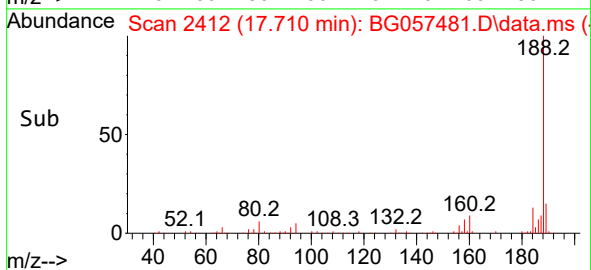
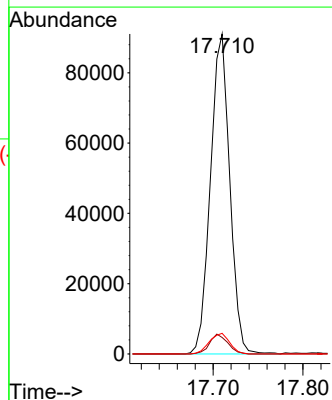
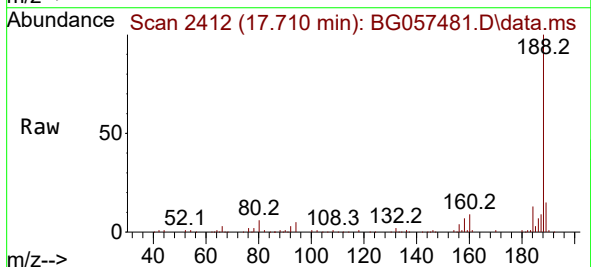
Instrument :
 BNA_G
 ClientSampleId :
 TP8

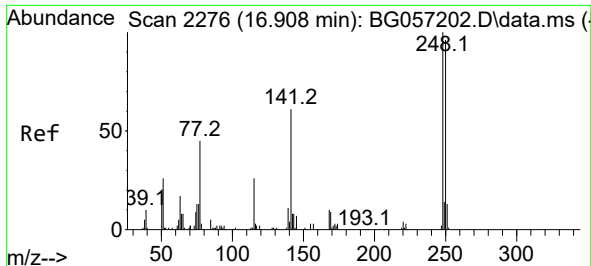
Tgt Ion: 77 Resp: 9961
 Ion Ratio Lower Upper
 77 100
 182 93.7 7.4 47.4#
 105 122.1 0.0 37.2#
 51 33.9 10.1 50.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.710 min Scan# 2412
 Delta R.T. -0.004 min
 Lab File: BG057481.D
 Acq: 20 May 2023 00:23

Tgt Ion: 188 Resp: 135917
 Ion Ratio Lower Upper
 188 100
 94 5.1 5.1 7.7
 80 6.4 5.7 8.5

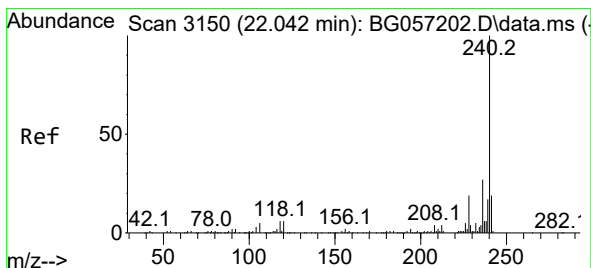
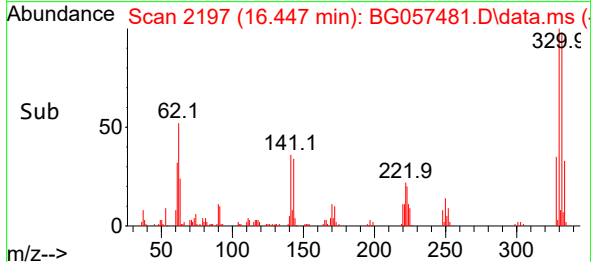
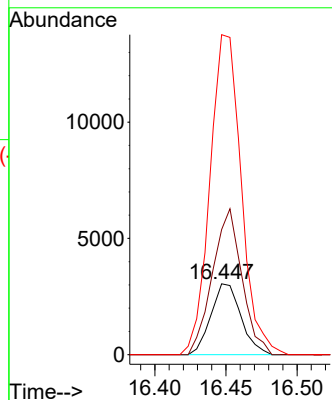
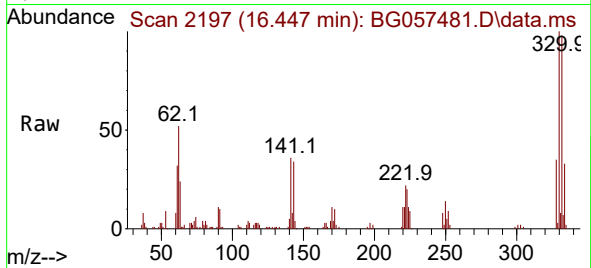




#67
4-Bromophenyl-phenylether
Concen: 2.708 ng
RT: 16.447 min Scan# 2197
Delta R.T. -0.438 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

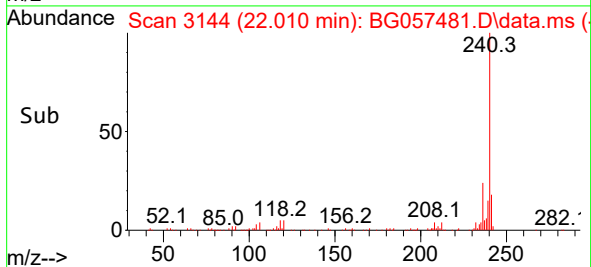
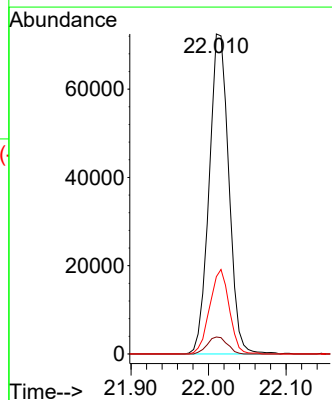
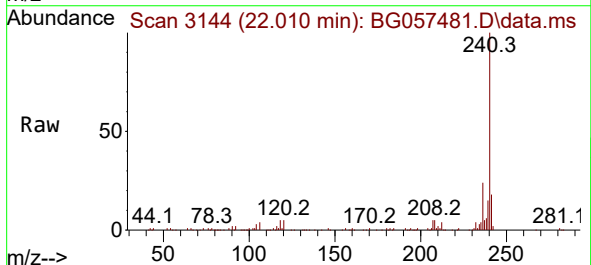
Instrument :
BNA_G
ClientSampleId :
TP8

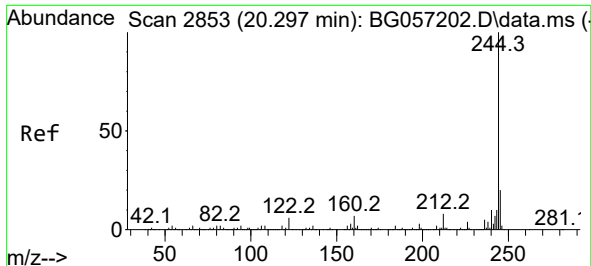
Tgt Ion:248 Resp: 4493
Ion Ratio Lower Upper
248 100
250 176.4 77.0 115.6#
141 451.1 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.010 min Scan# 3144
Delta R.T. -0.010 min
Lab File: BG057481.D
Acq: 20 May 2023 00:23

Tgt Ion:240 Resp: 127749
Ion Ratio Lower Upper
240 100
120 5.3 4.9 7.3
236 24.2 21.4 32.2

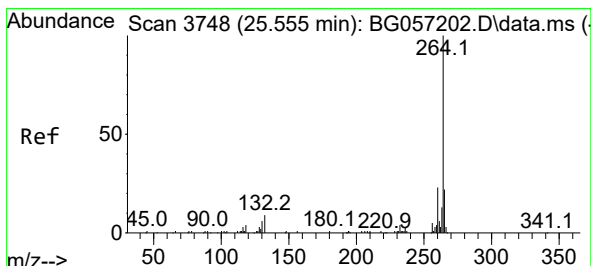
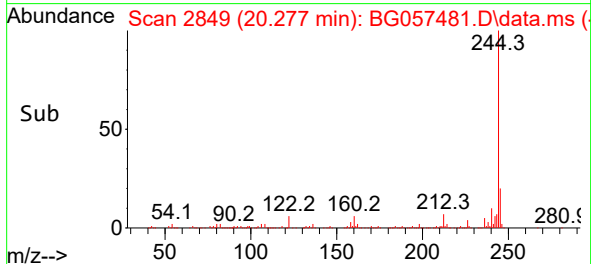
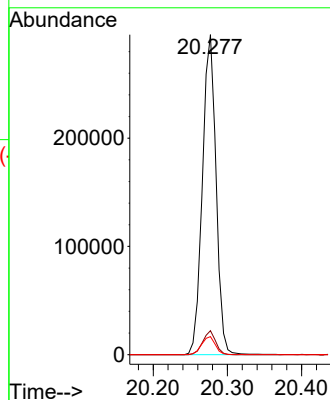
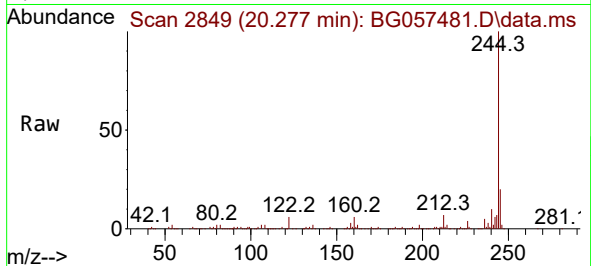




#79
 Terphenyl-d14
 Concen: 48.443 ng
 RT: 20.277 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057481.D
 Acq: 20 May 2023 00:23

Instrument :
 BNA_G
 ClientSampleId :
 TP8

Tgt Ion:244 Resp: 379221
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 5.6 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.505 min Scan# 3739
 Delta R.T. -0.010 min
 Lab File: BG057481.D
 Acq: 20 May 2023 00:23

Tgt Ion:264 Resp: 137874
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 21.5 17.9 26.9

