

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057477.D
 Acq On : 19 May 2023 21:36
 Operator : CG/JU
 Sample : 02845-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP3

Quant Time: May 20 04:30:48 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)

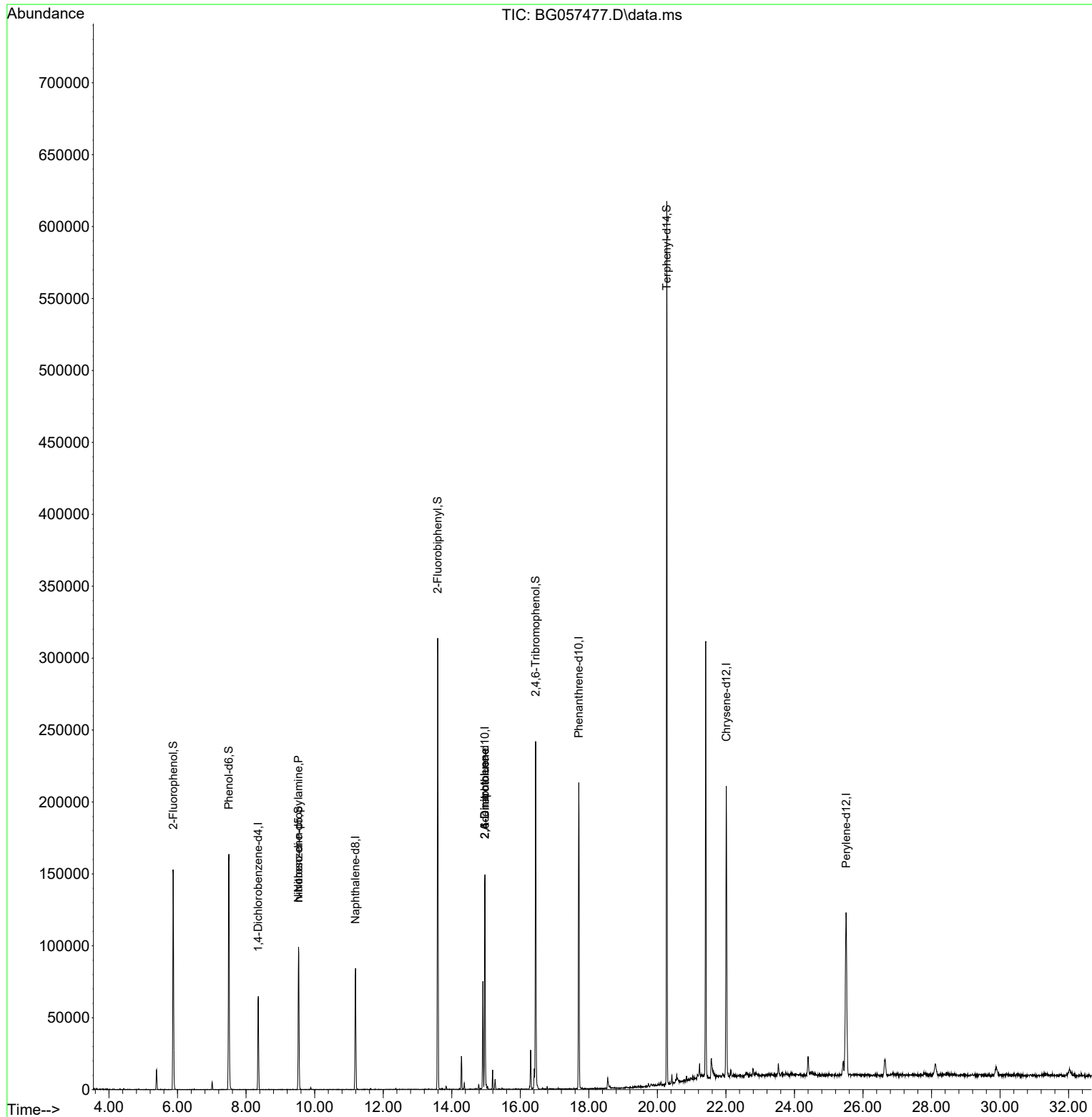
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	18688	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	73054	20.000	ng	0.00
39) Acenaphthene-d10	14.970	164	55258	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	144857	20.000	ng	0.00
76) Chrysene-d12	22.013	240	135393	20.000	ng	0.00
86) Perylene-d12	25.508	264	144068	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	68048	62.288	ng	0.00
7) Phenol-d6	7.497	99	101090	60.936	ng	0.00
23) Nitrobenzene-d5	9.530	82	64372	36.983	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	51440	65.608	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	166704	40.631	ng	-0.01
79) Terphenyl-d14	20.274	244	314120	37.862	ng	0.00
Target Compounds						
9) Benzaldehyde	7.503	77	179	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propyla...	9.530	70	9344	7.387 ng	#	75
51) 2,6-Dinitrotoluene	14.964	165	7217	7.784 ng	#	17
57) 2,4-Dinitrotoluene	14.964	165	7217	5.447 ng	#	20

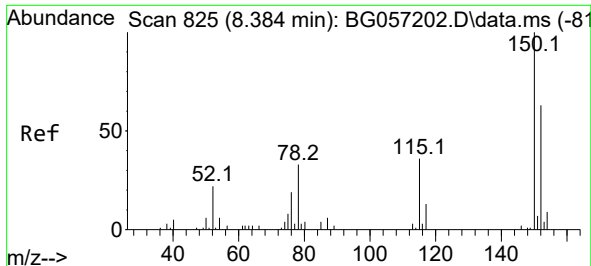
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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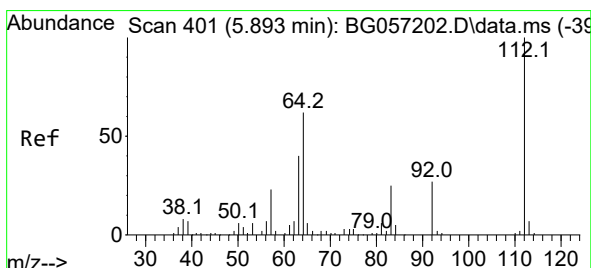
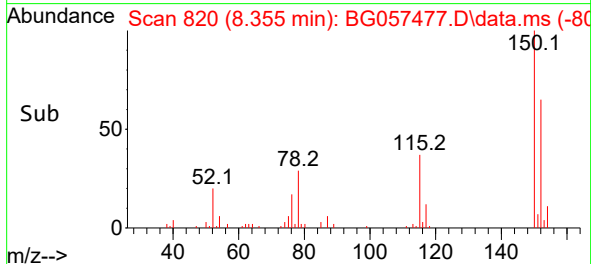
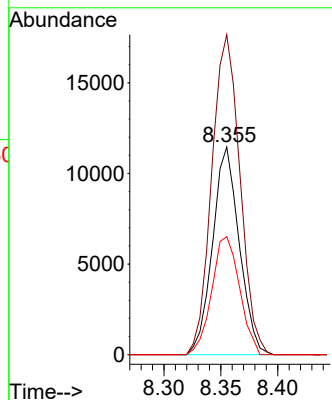
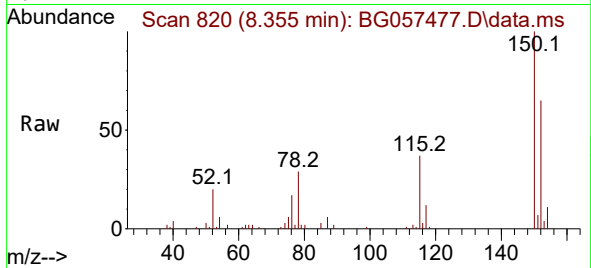




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057477.D
Acq: 19 May 2023 21:36

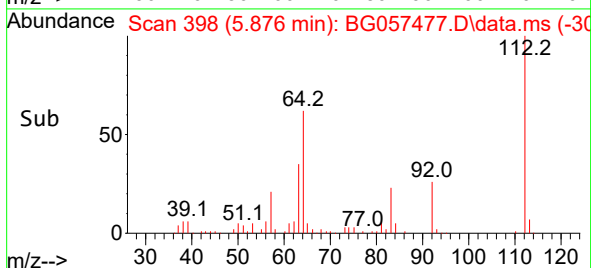
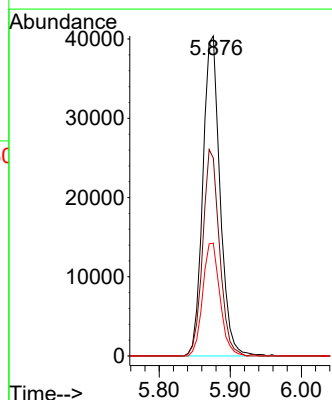
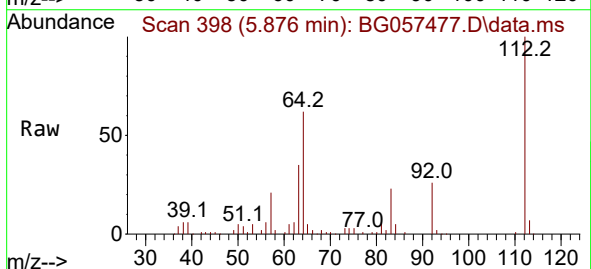
Instrument :
BNA_G
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TP3

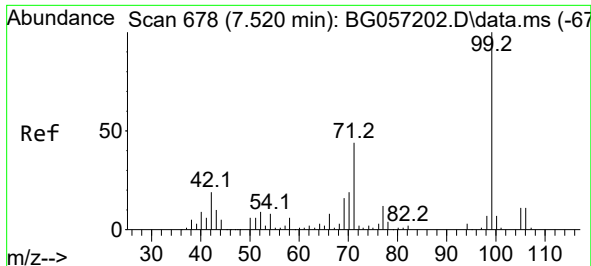
Tgt Ion:152 Resp: 18688
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.4
115 56.9 45.0 67.4



#5
2-Fluorophenol
Concen: 62.288 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057477.D
Acq: 19 May 2023 21:36

Tgt Ion:112 Resp: 68048
Ion Ratio Lower Upper
112 100
64 61.9 49.4 74.2
63 35.3 31.6 47.4





#7

Phenol-d6

Concen: 60.936 ng

RT: 7.497 min Scan# 61

Delta R.T. -0.001 min

Lab File: BG057477.D

Acq: 19 May 2023 21:36

Instrument :

BNA_G

ClientSampleId :

TP3

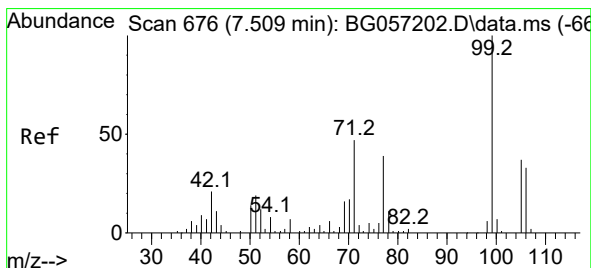
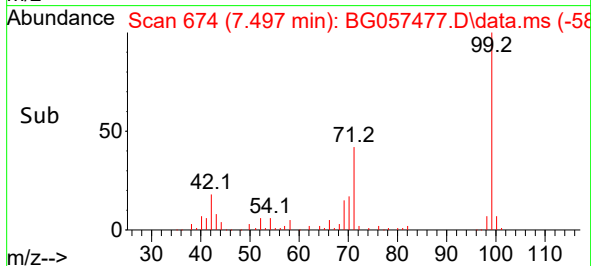
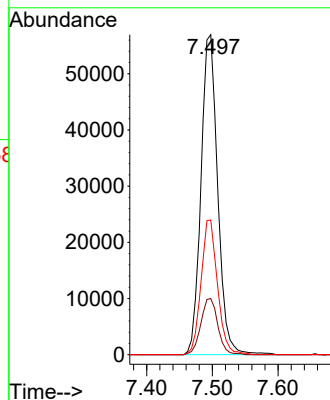
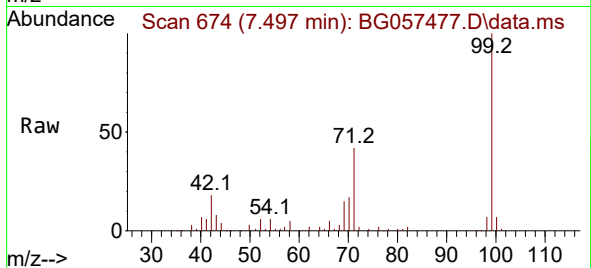
Tgt Ion: 99 Resp: 101090

Ion Ratio Lower Upper

99 100

42 17.5 15.1 22.7

71 42.1 35.2 52.8



#9

Benzaldehyde

Concen: Below Cal

RT: 7.503 min Scan# 675

Delta R.T. 0.017 min

Lab File: BG057477.D

Acq: 19 May 2023 21:36

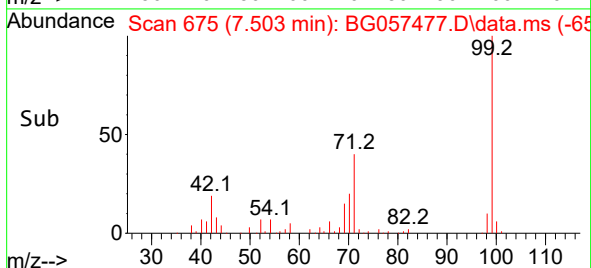
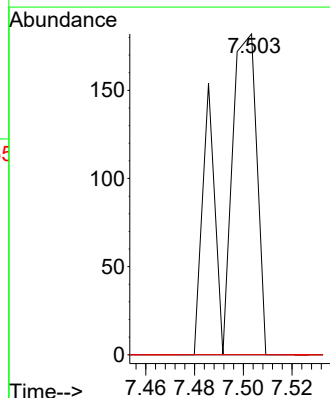
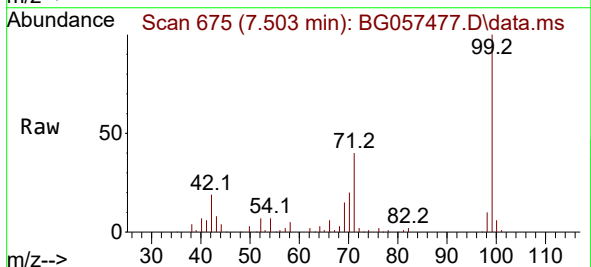
Tgt Ion: 77 Resp: 179

Ion Ratio Lower Upper

77 100

105 0.0 74.6 114.6#

106 0.0 66.3 106.3#

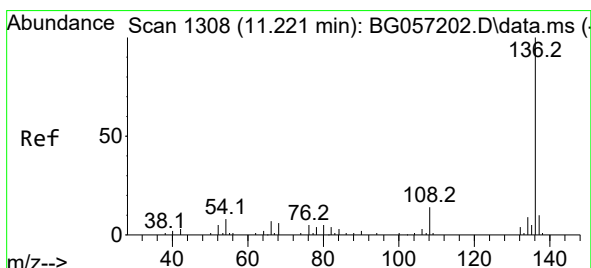
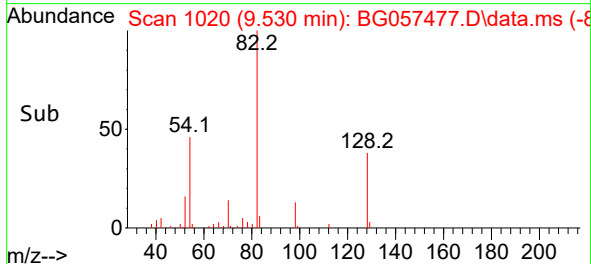
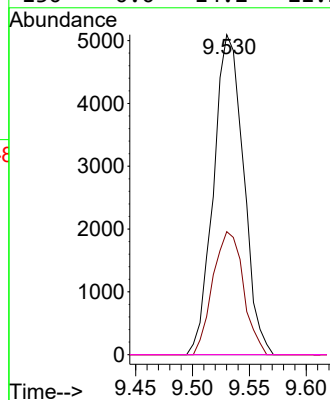
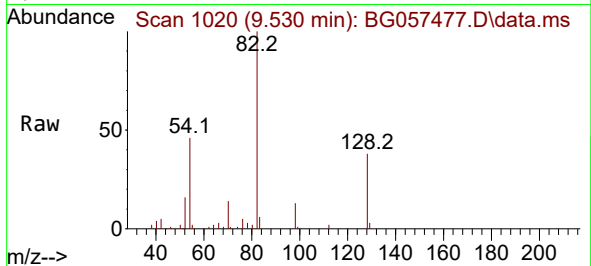




#19
n-Nitroso-di-n-propylamine
Concen: 7.387 ng
RT: 9.530 min Scan# 1020
Delta R.T. 0.369 min
Lab File: BG057477.D
Acq: 19 May 2023 21:36

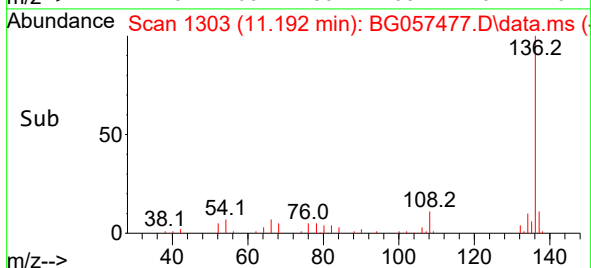
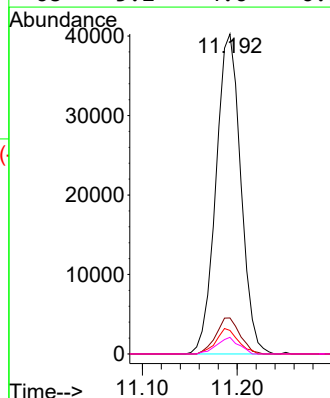
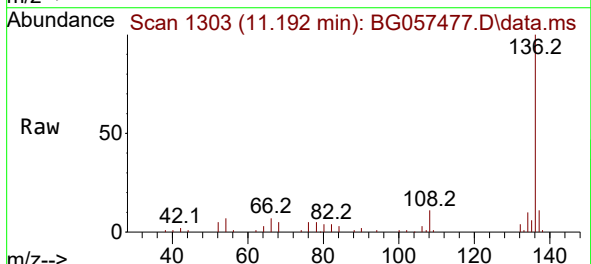
Instrument :
BNA_G
ClientSampleId :
TP3

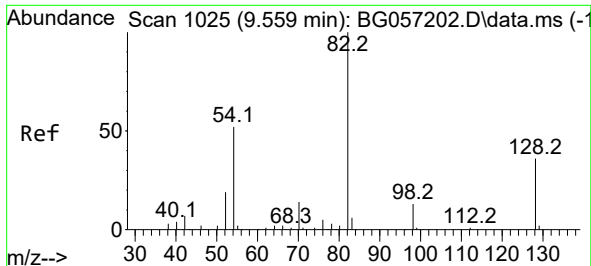
Tgt Ion: 70 Resp: 9344
Ion Ratio Lower Upper
70 100
42 38.5 41.8 62.8#
101 0.0 6.8 10.2#
130 0.0 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057477.D
Acq: 19 May 2023 21:36

Tgt Ion:136 Resp: 73054
Ion Ratio Lower Upper
136 100
137 11.2 8.3 12.5
54 7.4 6.7 10.1
68 5.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 36.983 ng

RT: 9.530 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BG057477.D

Acq: 19 May 2023 21:36

Instrument :

BNA_G

ClientSampleId :

TP3

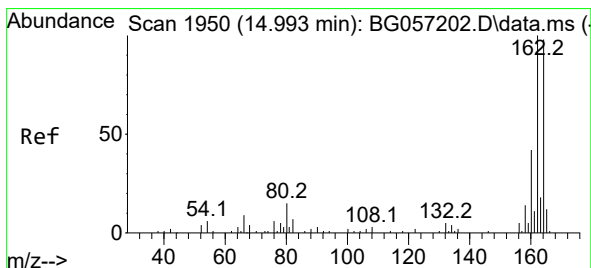
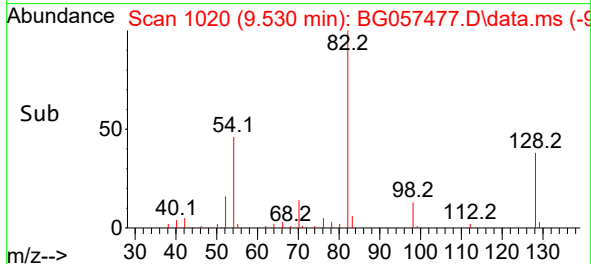
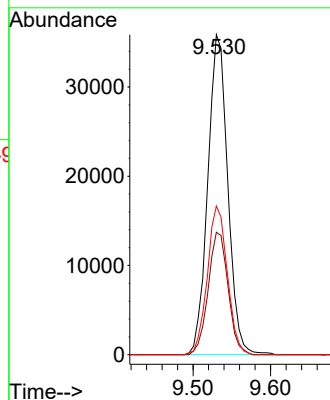
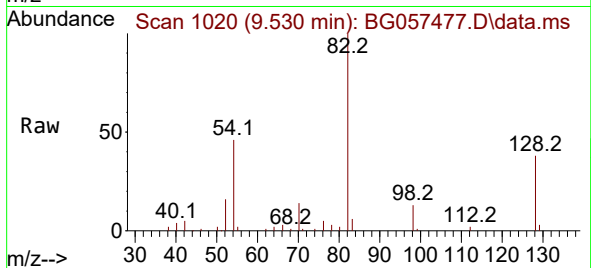
Tgt Ion: 82 Resp: 64372

Ion Ratio Lower Upper

82 100

128 38.2 29.0 43.4

54 46.5 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.970 min Scan# 1946

Delta R.T. -0.006 min

Lab File: BG057477.D

Acq: 19 May 2023 21:36

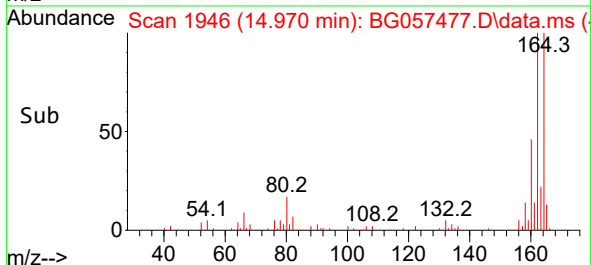
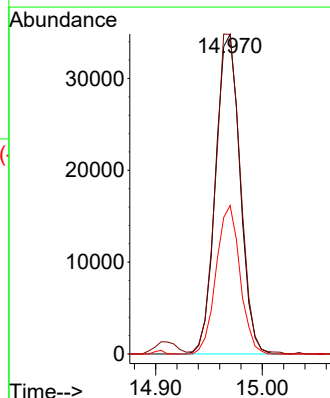
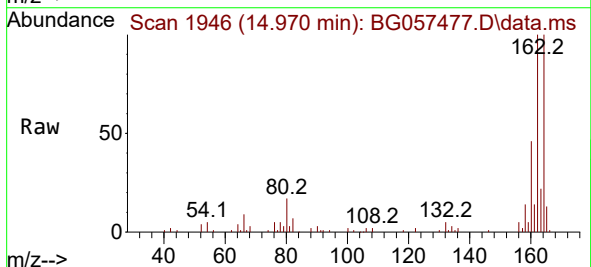
Tgt Ion: 164 Resp: 55258

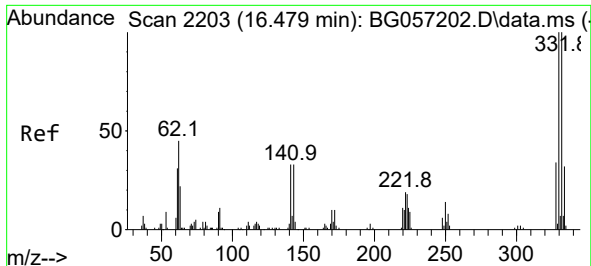
Ion Ratio Lower Upper

164 100

162 100.0 81.8 122.6

160 46.5 34.6 52.0

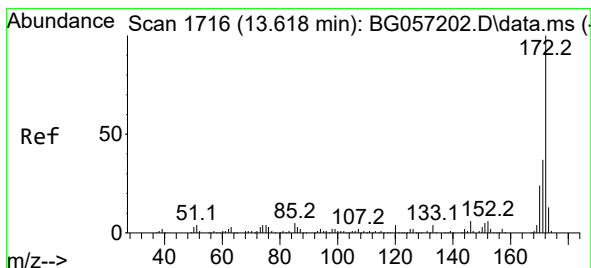
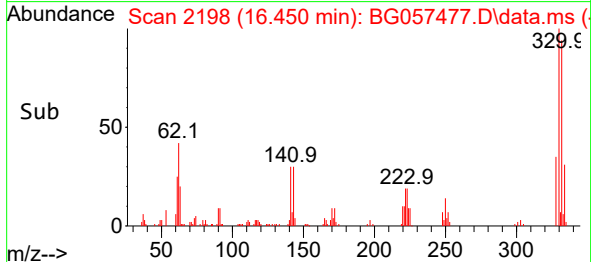
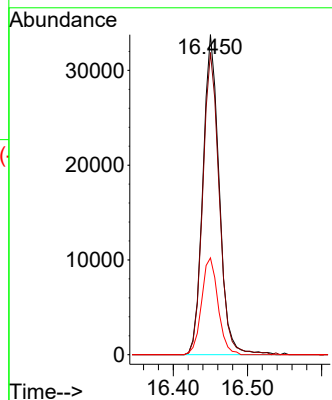
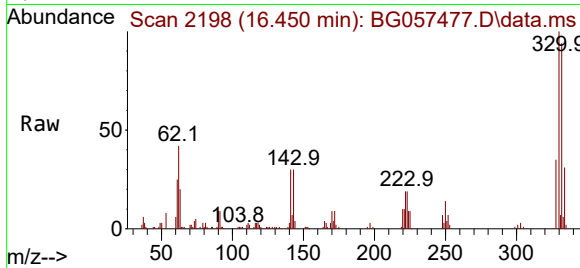




#42
2,4,6-Tribromophenol
Concen: 65.608 ng
RT: 16.450 min Scan# 211
Delta R.T. -0.006 min
Lab File: BG057477.D
Acq: 19 May 2023 21:36

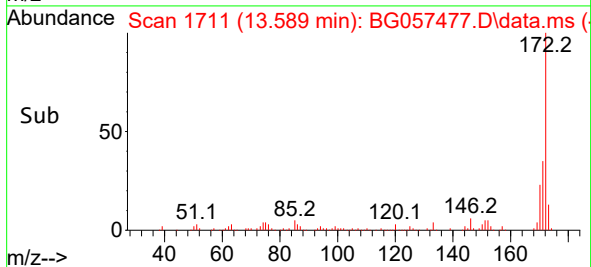
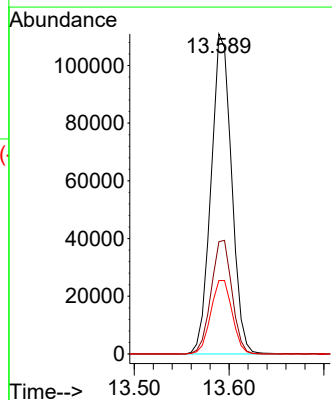
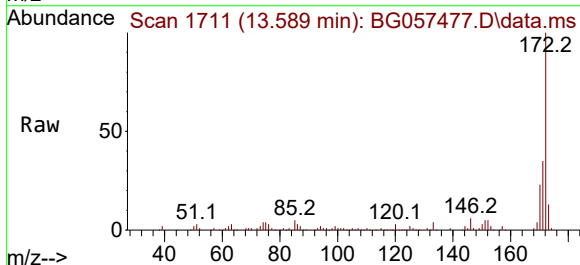
Instrument :
BNA_G
ClientSampleId :
TP3

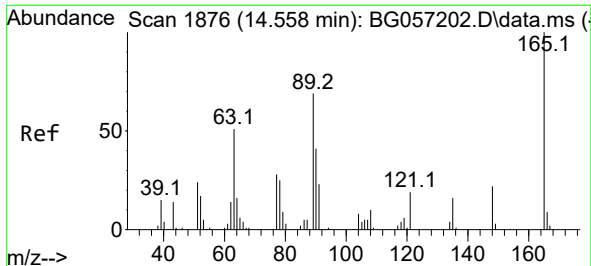
Tgt Ion:330 Resp: 51440
Ion Ratio Lower Upper
330 100
332 95.5 78.2 117.2
141 30.5 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 40.631 ng
RT: 13.589 min Scan# 1711
Delta R.T. -0.012 min
Lab File: BG057477.D
Acq: 19 May 2023 21:36

Tgt Ion:172 Resp: 166704
Ion Ratio Lower Upper
172 100
171 35.1 29.4 44.0
170 23.0 19.0 28.6

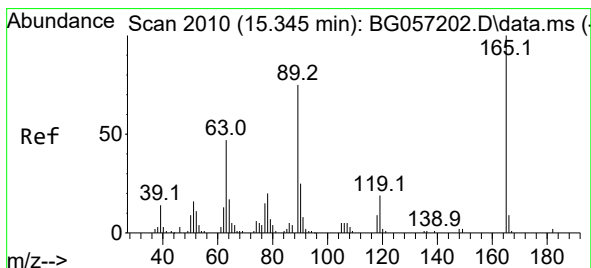
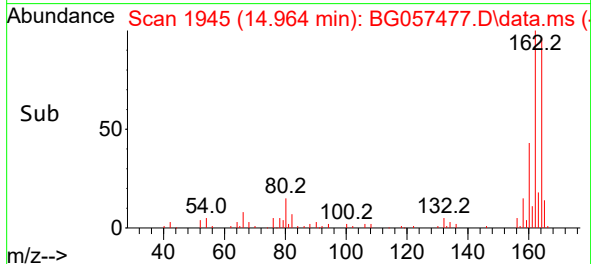
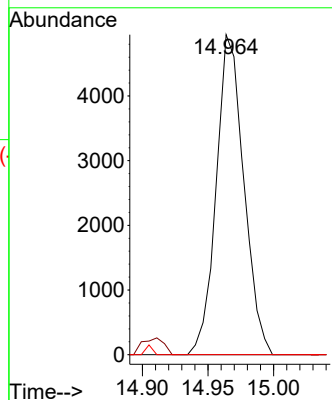
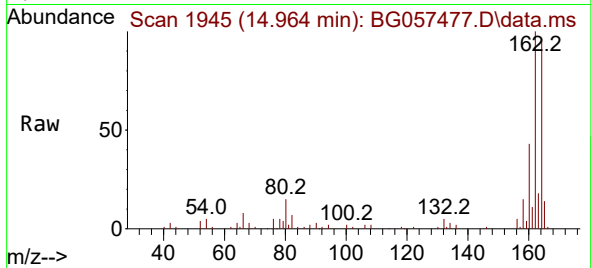




#51
2,6-Dinitrotoluene
Concen: 7.784 ng
RT: 14.964 min Scan# 1945
Delta R.T. 0.422 min
Lab File: BG057477.D
Acq: 19 May 2023 21:36

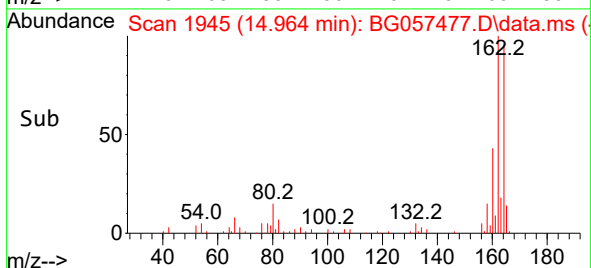
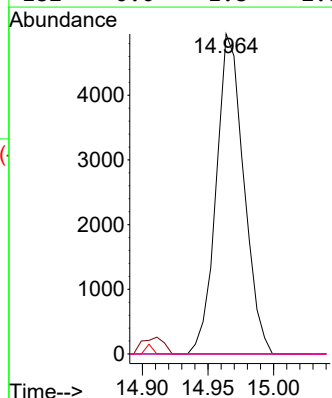
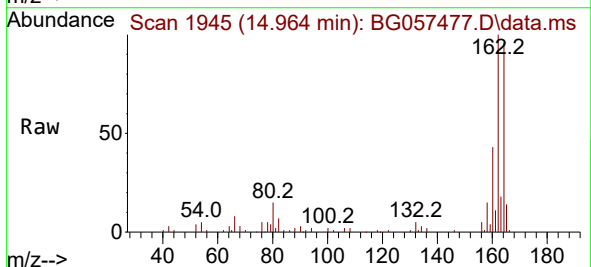
Instrument :
BNA_G
ClientSampleId :
TP3

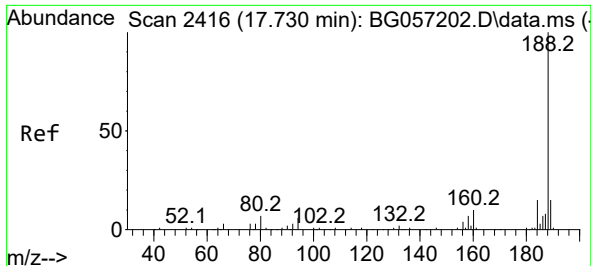
Tgt Ion:165 Resp: 7217
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.447 ng
RT: 14.964 min Scan# 1945
Delta R.T. -0.365 min
Lab File: BG057477.D
Acq: 19 May 2023 21:36

Tgt Ion:165 Resp: 7217
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#

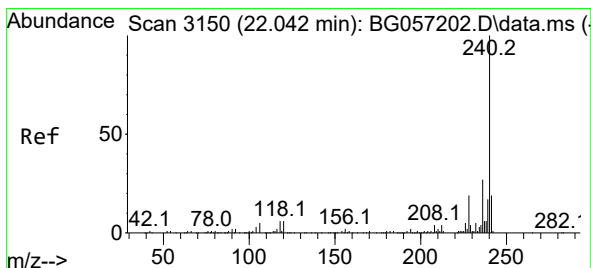
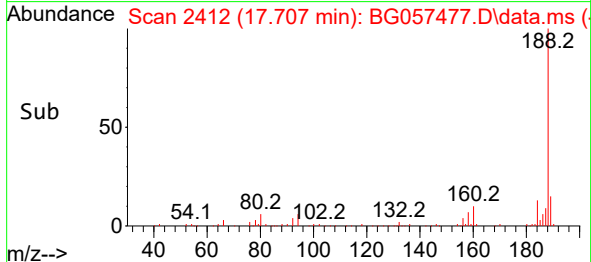
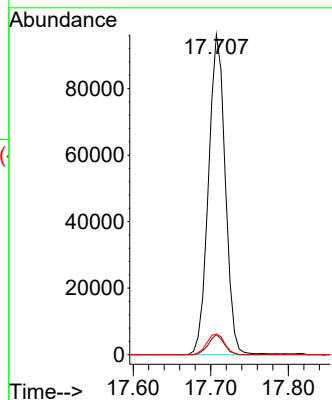
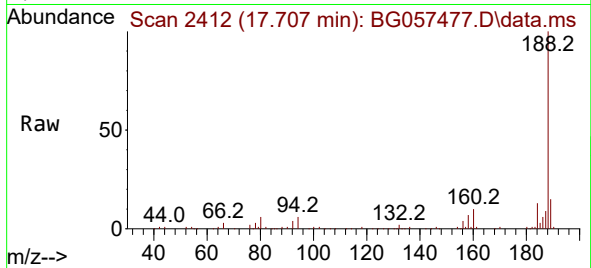




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BG057477.D
Acq: 19 May 2023 21:36

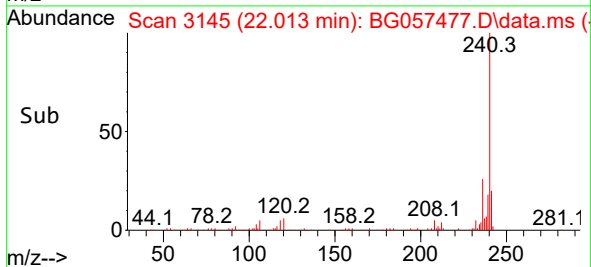
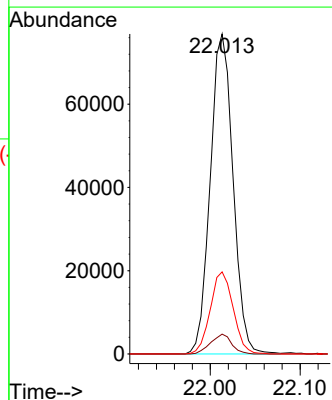
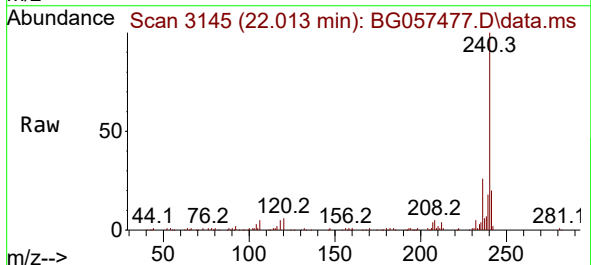
Instrument :
BNA_G
ClientSampleId :
TP3

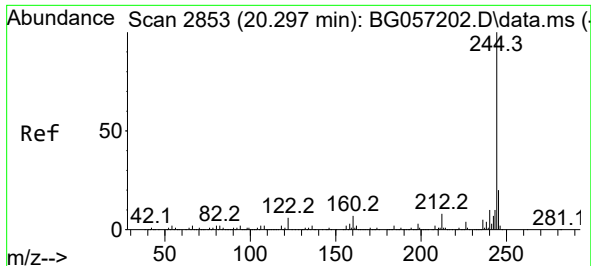
Tgt Ion:188 Resp: 144857
Ion Ratio Lower Upper
188 100
94 6.3 5.1 7.7
80 6.4 5.7 8.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BG057477.D
Acq: 19 May 2023 21:36

Tgt Ion:240 Resp: 135393
Ion Ratio Lower Upper
240 100
120 6.2 4.9 7.3
236 25.7 21.4 32.2

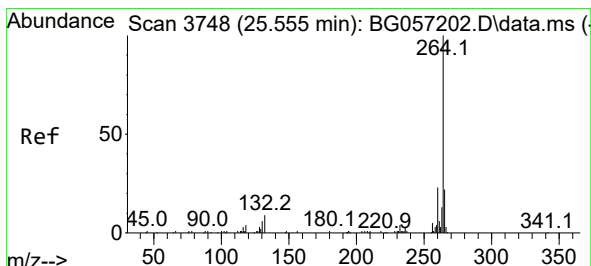
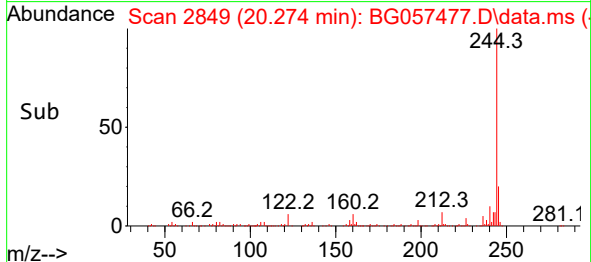
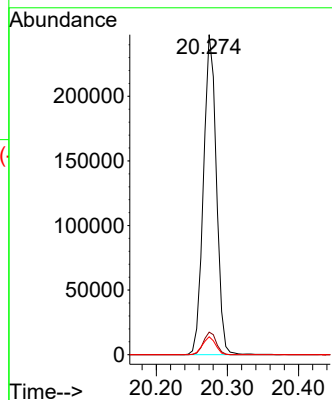
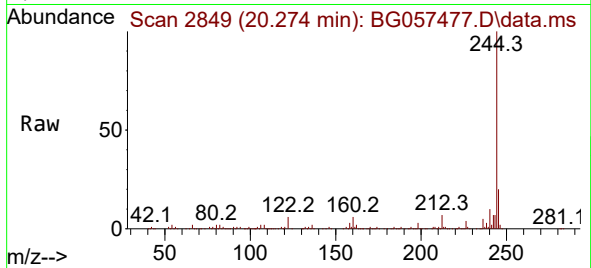




#79
 Terphenyl-d14
 Concen: 37.862 ng
 RT: 20.274 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG057477.D
 Acq: 19 May 2023 21:36

Instrument :
 BNA_G
 ClientSampleId :
 TP3

Tgt Ion:244 Resp: 314120
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 5.6 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.508 min Scan# 3740
 Delta R.T. -0.006 min
 Lab File: BG057477.D
 Acq: 19 May 2023 21:36

Tgt Ion:264 Resp: 144068
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.8 28.2
 265 19.8 17.9 26.9

