

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041423\
 Data File : BG057104.D
 Acq On : 14 Apr 2023 17:47
 Operator : CG/JU
 Sample : 02341-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PH1-BOT-1

Quant Time: Apr 14 18:38:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 13 05:15:23 2023
 Response via : Initial Calibration

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

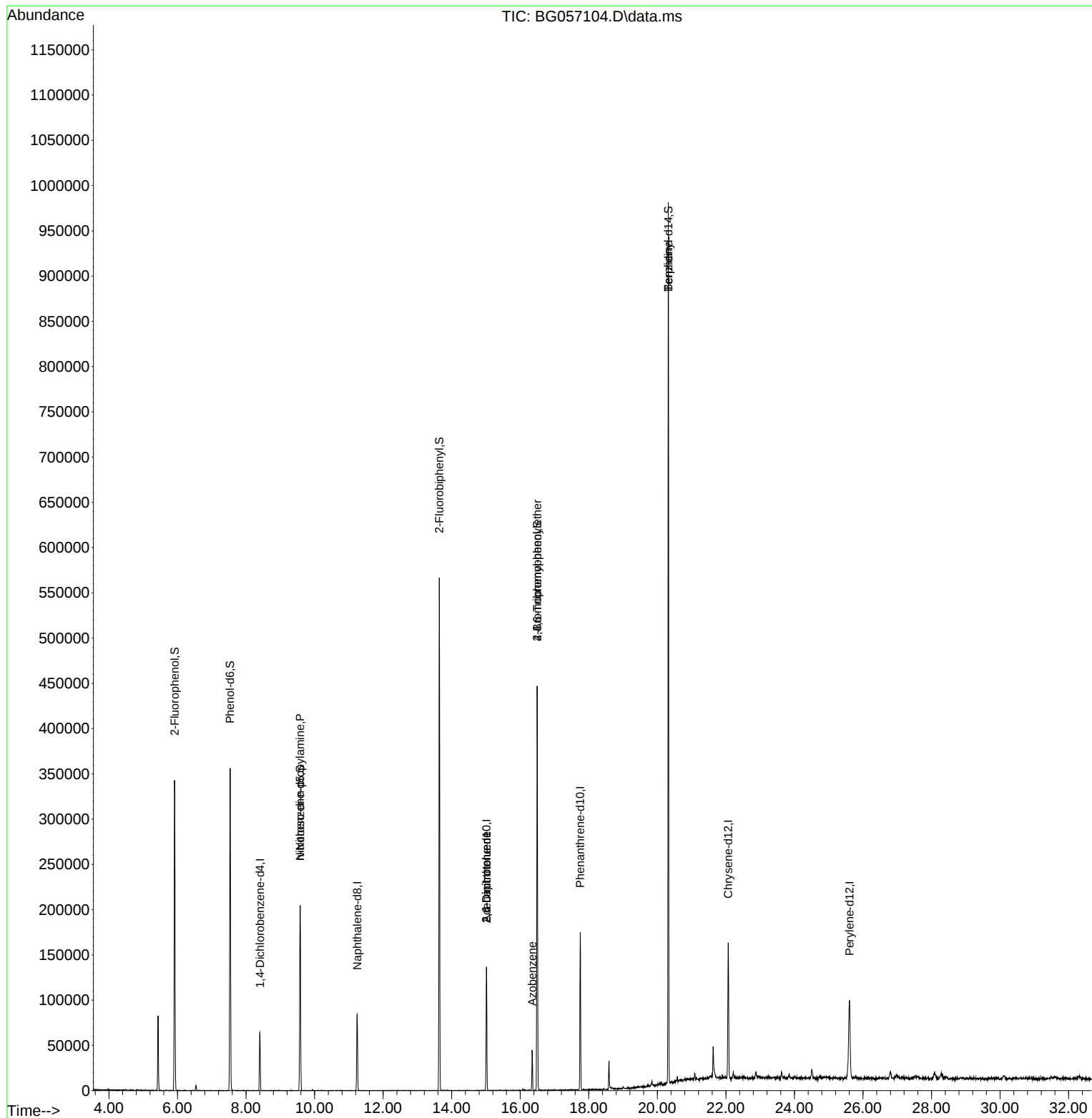
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.405	152	18768	20.000	ng	0.00
21) Naphthalene-d8	11.243	136	71622	20.000	ng	# 0.00
39) Acenaphthene-d10	15.014	164	48382	20.000	ng	0.00
64) Phenanthrene-d10	17.752	188	111316	20.000	ng	#-0.01
76) Chrysene-d12	22.069	240	95329	20.000	ng	#-0.01
86) Perylene-d12	25.606	264	104341	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.915	112	148516	126.648	ng	0.00
7) Phenol-d6	7.536	99	208634	118.956	ng	0.00
23) Nitrobenzene-d5	9.580	82	132786	75.861	ng	0.00
42) 2,4,6-Tribromophenol	16.494	330	92156	119.231	ng	0.00
45) 2-Fluorobiphenyl	13.639	172	279860	78.437	ng	0.00
79) Terphenyl-d14	20.319	244	478081	84.863	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.580	70	17976	14.329	ng	# 81
51) 2,6-Dinitrotoluene	15.014	165	6490	7.880	ng	# 20
57) 2,4-Dinitrotoluene	15.014	165	6490	5.587	ng	# 20
63) Azobenzene	16.348	77	13798	3.623	ng	# 3
67) 4-Bromophenyl-phenylether	16.494	248	5593	4.061	ng	# 1
77) Benzidine	20.319	184	7314	2.807	ng	# 90

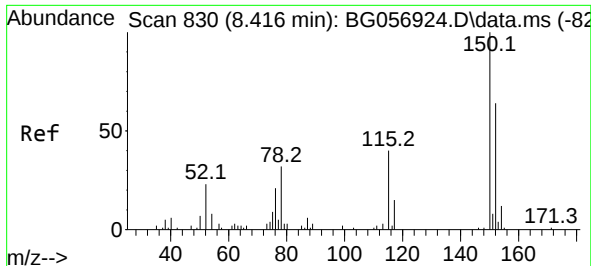
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041423\
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Quant Time: Apr 14 18:38:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 13 05:15:23 2023
Response via : Initial Calibration

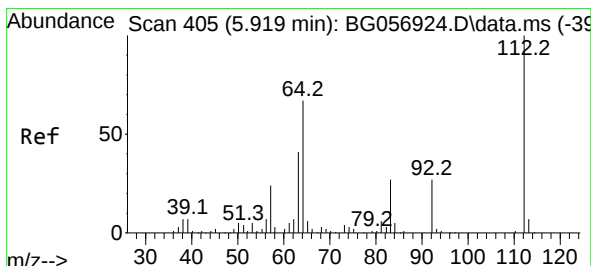
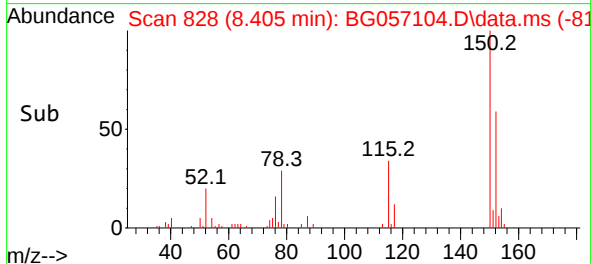
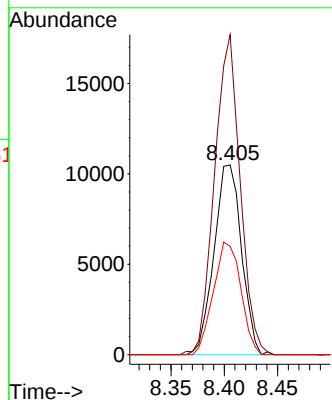
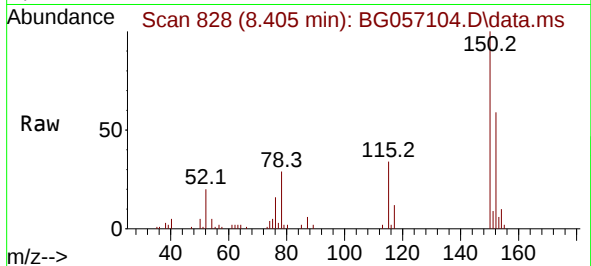




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.405 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057104.D
Acq: 14 Apr 2023 17:47

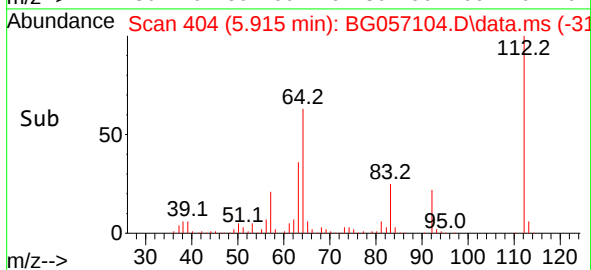
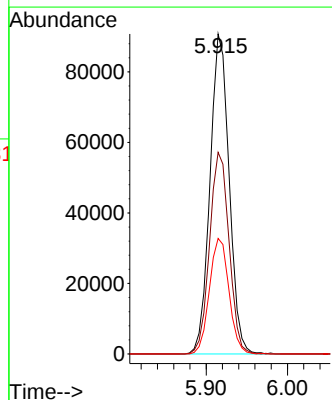
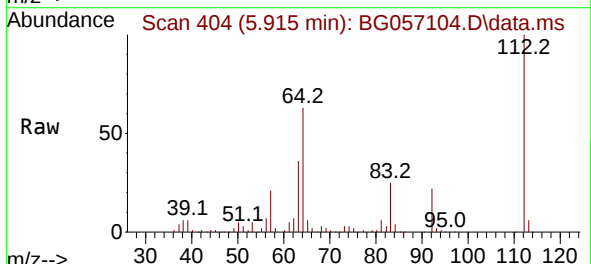
Instrument :
BNA_G
ClientSampleId :
PH1-BOT-1

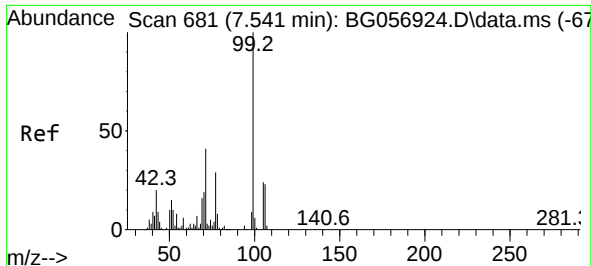
Tgt Ion:152 Resp: 18768
Ion Ratio Lower Upper
152 100
150 168.7 124.1 186.1
115 57.1 49.1 73.7



#5
2-Fluorophenol
Concen: 126.648 ng
RT: 5.915 min Scan# 404
Delta R.T. 0.000 min
Lab File: BG057104.D
Acq: 14 Apr 2023 17:47

Tgt Ion:112 Resp: 148516
Ion Ratio Lower Upper
112 100
64 63.0 53.2 79.8
63 36.1 32.6 48.8

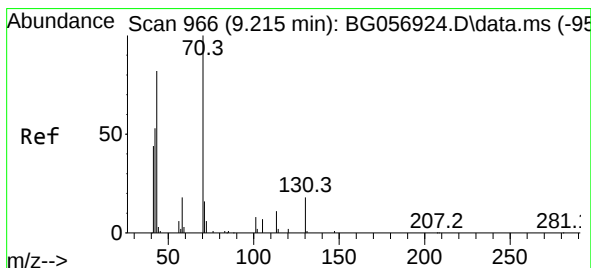
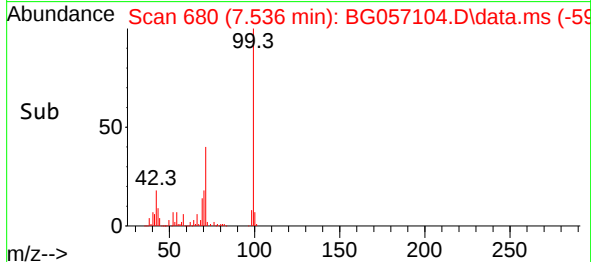
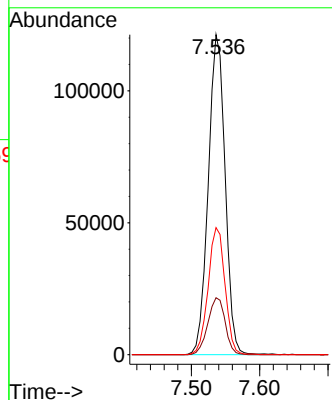
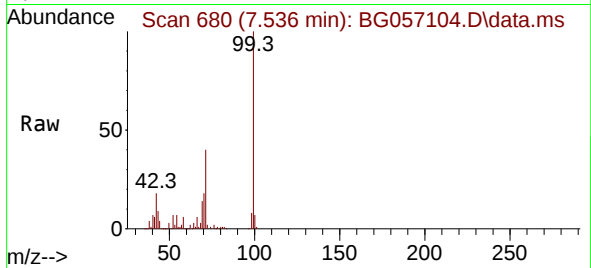




#7
Phenol-d6
Concen: 118.956 ng
RT: 7.536 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057104.D
Acq: 14 Apr 2023 17:47

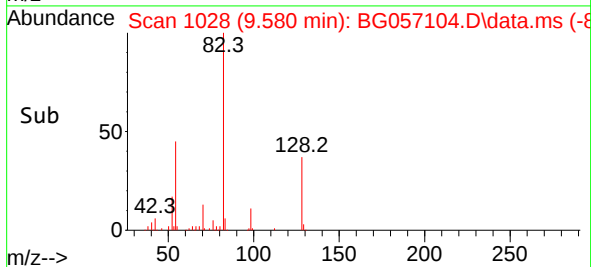
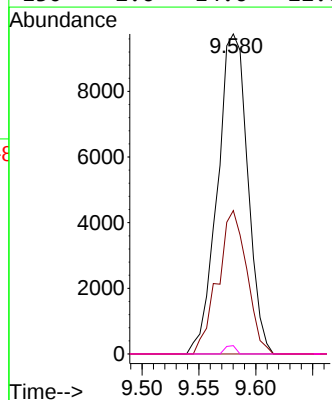
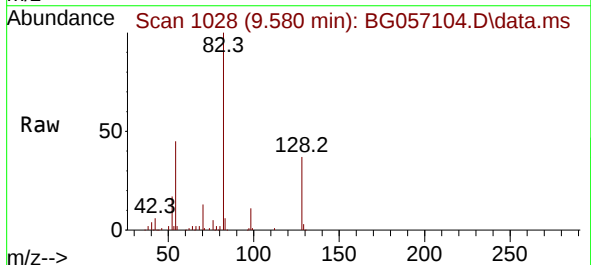
Instrument :
BNA_G
ClientSampleId :
PH1-BOT-1

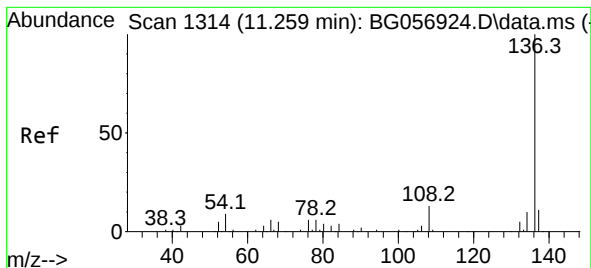
Tgt Ion: 99 Resp: 208634
Ion Ratio Lower Upper
99 100
42 17.8 15.7 23.5
71 39.7 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.329 ng
RT: 9.580 min Scan# 1028
Delta R.T. 0.370 min
Lab File: BG057104.D
Acq: 14 Apr 2023 17:47

Tgt Ion: 70 Resp: 17976
Ion Ratio Lower Upper
70 100
42 44.8 43.4 65.0
101 0.0 6.2 9.2#
130 2.6 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.243 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG057104.D

Acq: 14 Apr 2023 17:47

Instrument :

BNA_G

ClientSampleId :

PH1-BOT-1

Tgt Ion:136 Resp: 71622

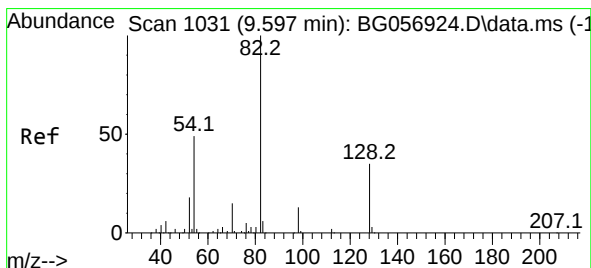
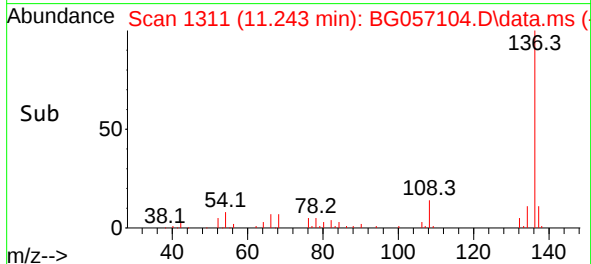
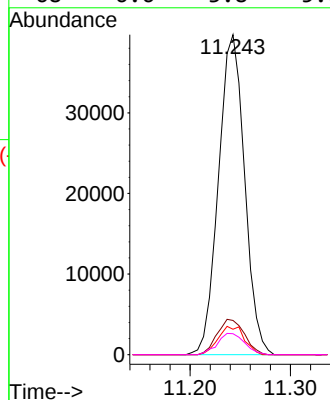
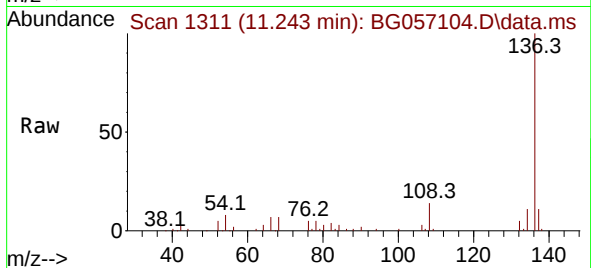
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.0 6.9 10.3

68 6.6 3.8 5.6#



#23

Nitrobenzene-d5

Concen: 75.861 ng

RT: 9.580 min Scan# 1028

Delta R.T. -0.006 min

Lab File: BG057104.D

Acq: 14 Apr 2023 17:47

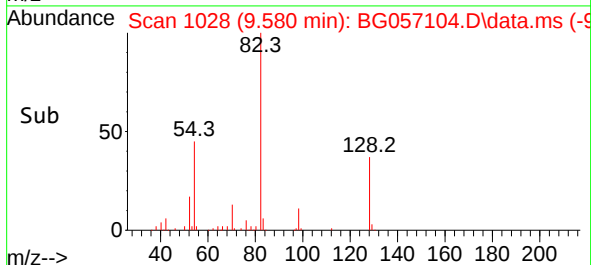
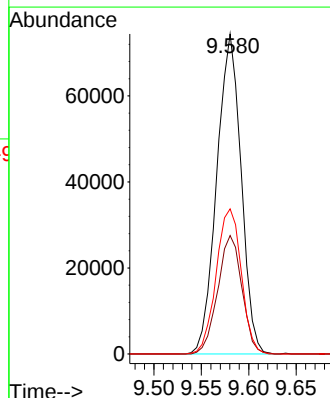
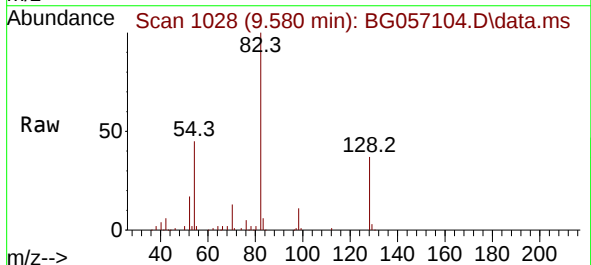
Tgt Ion: 82 Resp: 132786

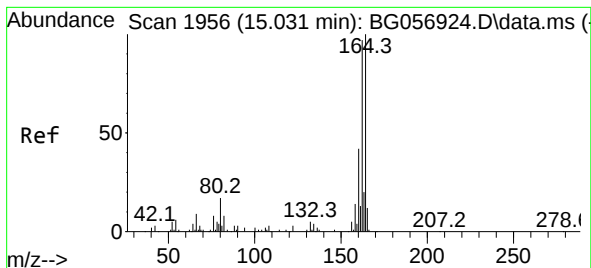
Ion Ratio Lower Upper

82 100

128 37.0 27.9 41.9

54 45.3 39.4 59.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.014 min Scan# 1953

Delta R.T. -0.006 min

Lab File: BG057104.D

Acq: 14 Apr 2023 17:47

Instrument :

BNA_G

ClientSampleId :

PH1-BOT-1

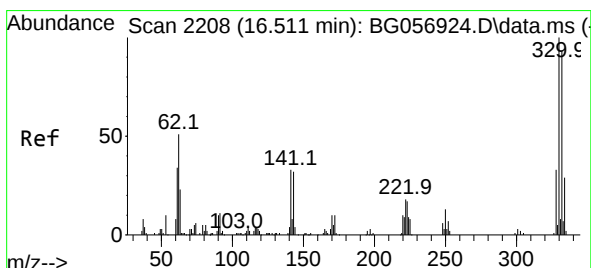
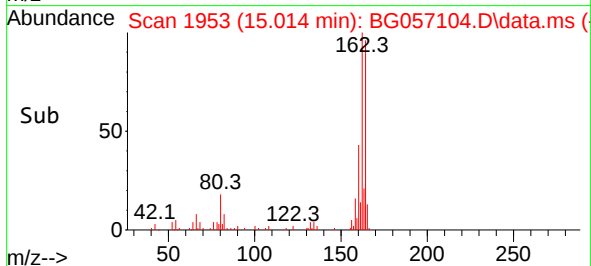
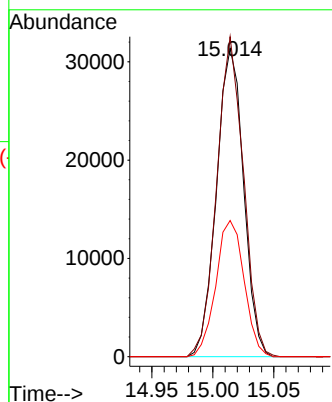
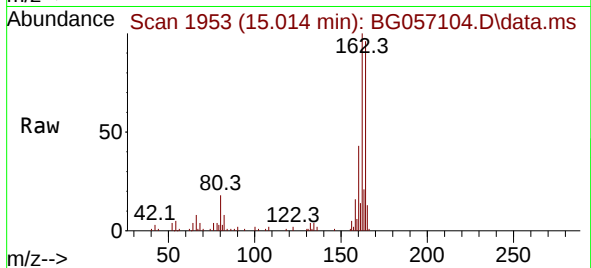
Tgt Ion:164 Resp: 48382

Ion Ratio Lower Upper

164 100

162 103.8 77.8 116.8

160 44.2 33.5 50.3



#42

2,4,6-Tribromophenol

Concen: 119.231 ng

RT: 16.494 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BG057104.D

Acq: 14 Apr 2023 17:47

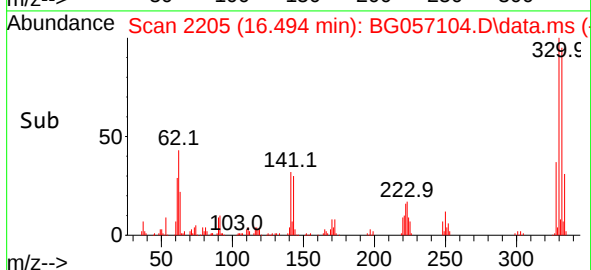
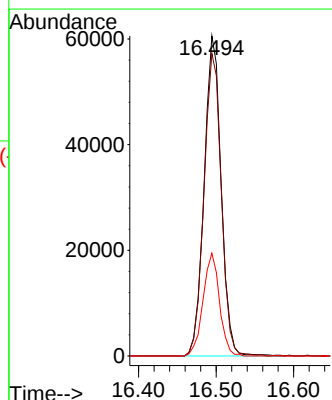
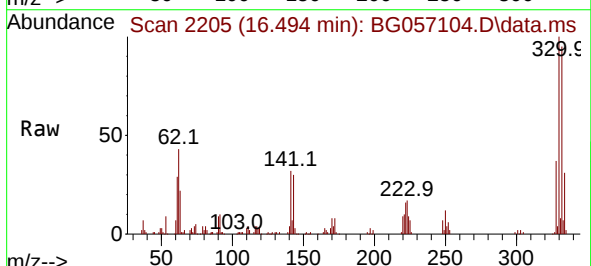
Tgt Ion:330 Resp: 92156

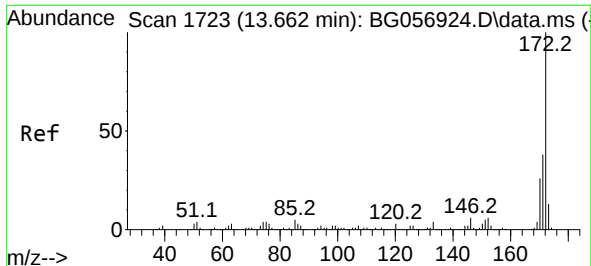
Ion Ratio Lower Upper

330 100

332 96.0 76.1 114.1

141 31.0 25.8 38.6

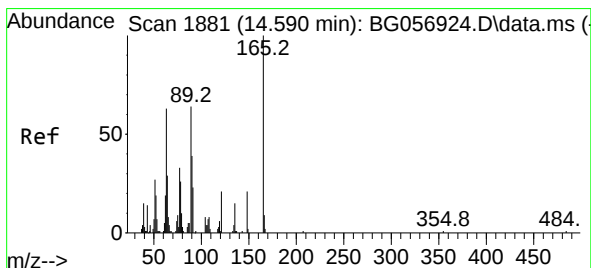
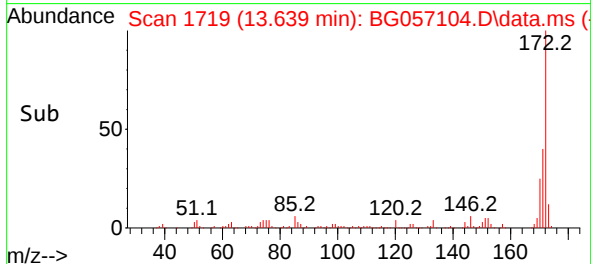
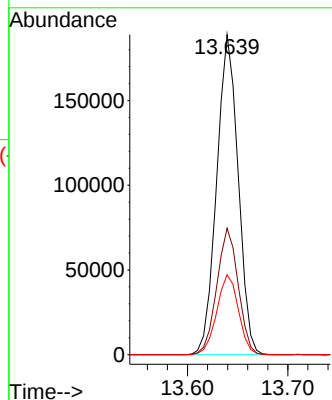
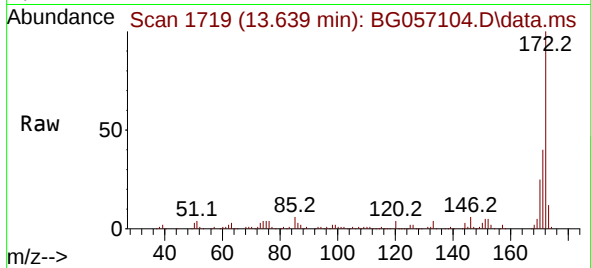




#45
2-Fluorobiphenyl
Concen: 78.437 ng
RT: 13.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG057104.D
Acq: 14 Apr 2023 17:47

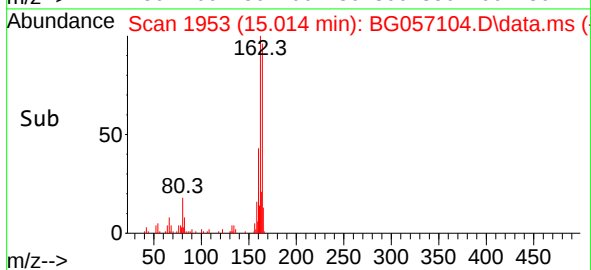
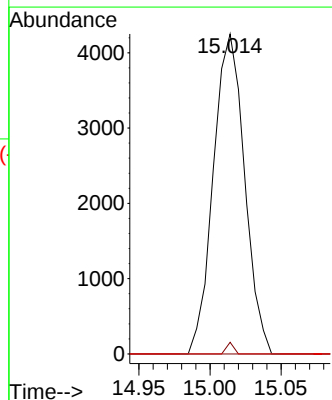
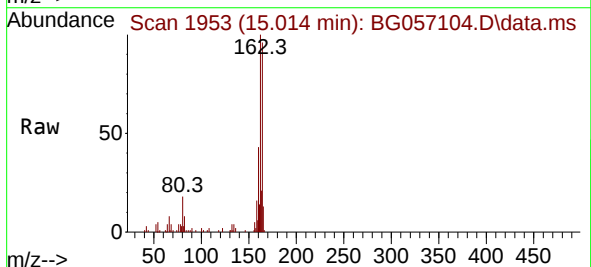
Instrument :
BNA_G
ClientSampleId :
PH1-BOT-1

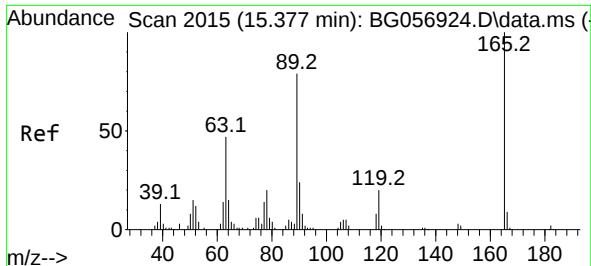
Tgt Ion:172 Resp: 279860
Ion Ratio Lower Upper
172 100
171 39.5 30.6 46.0
170 25.0 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 7.880 ng
RT: 15.014 min Scan# 1953
Delta R.T. 0.429 min
Lab File: BG057104.D
Acq: 14 Apr 2023 17:47

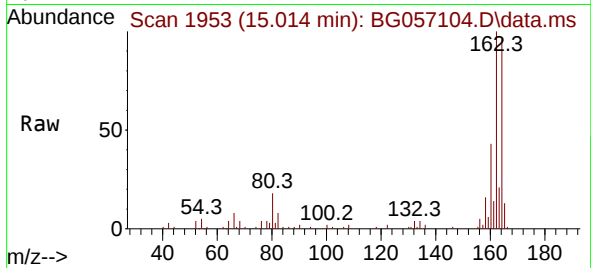
Tgt Ion:165 Resp: 6490
Ion Ratio Lower Upper
165 100
63 3.6 53.0 79.6#
89 0.0 51.0 76.4#



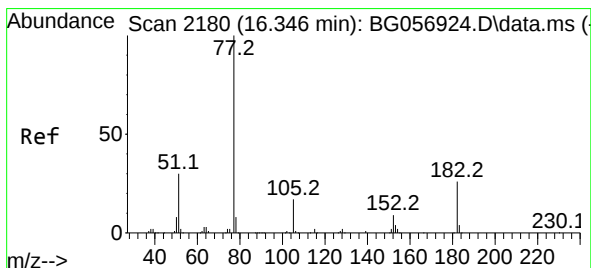
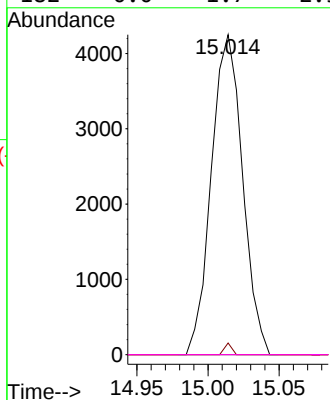
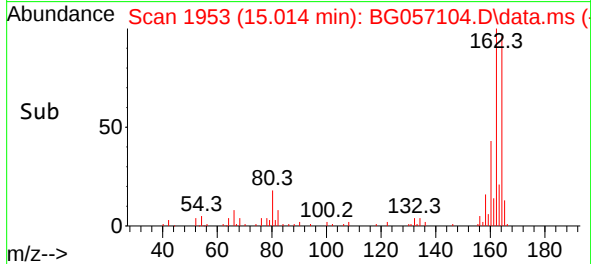


#57
2,4-Dinitrotoluene
Concen: 5.587 ng
RT: 15.014 min Scan# 1953
Delta R.T. -0.352 min
Lab File: BG057104.D
Acq: 14 Apr 2023 17:47

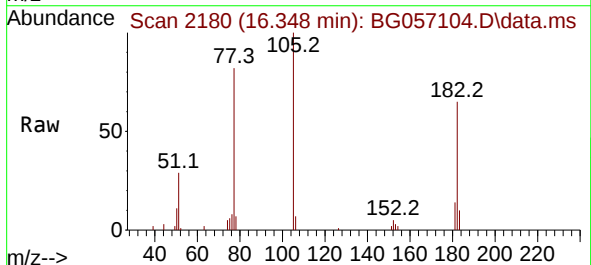
Instrument :
BNA_G
ClientSampleId :
PH1-BOT-1



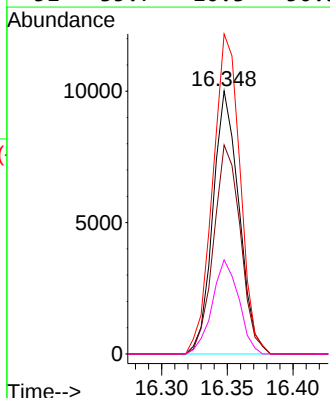
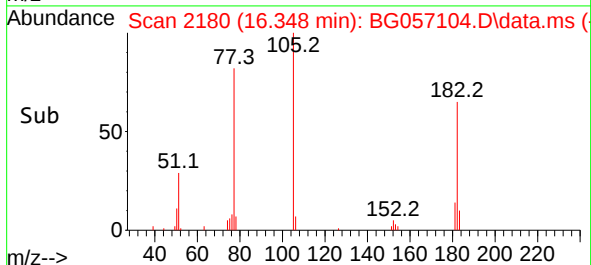
Tgt Ion:165 Resp: 6490
Ion Ratio Lower Upper
165 100
63 3.6 37.7 56.5#
89 0.0 63.2 94.8#
182 0.0 1.7 2.5#

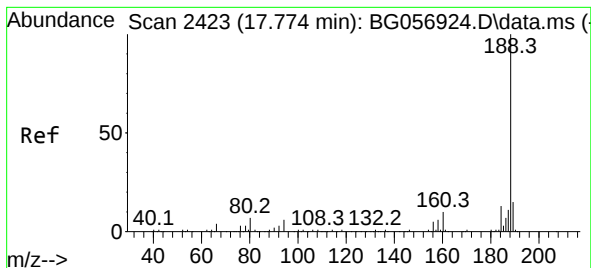


#63
Azobenzene
Concen: 3.623 ng
RT: 16.348 min Scan# 2180
Delta R.T. 0.012 min
Lab File: BG057104.D
Acq: 14 Apr 2023 17:47



Tgt Ion: 77 Resp: 13798
Ion Ratio Lower Upper
77 100
182 79.4 5.9 45.9#
105 121.6 0.0 36.8#
51 35.7 10.3 50.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.752 min Scan# 24

Delta R.T. -0.012 min

Lab File: BG057104.D

Acq: 14 Apr 2023 17:47

Instrument :

BNA_G

ClientSampleId :

PH1-BOT-1

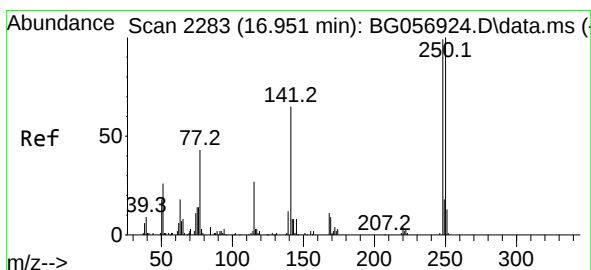
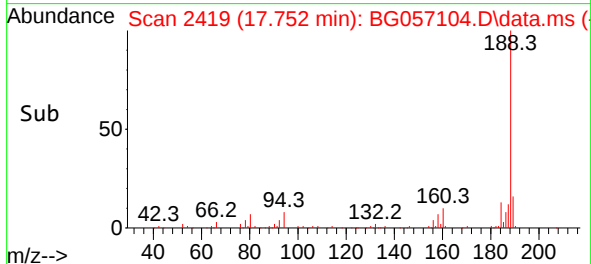
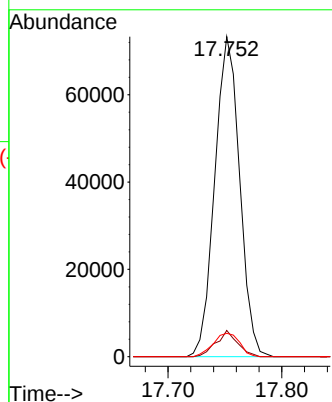
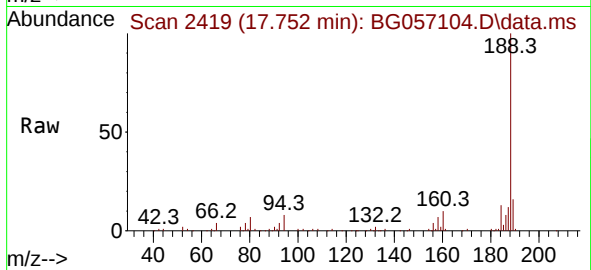
Tgt Ion:188 Resp: 111316

Ion Ratio Lower Upper

188 100

94 8.2 4.6 6.8#

80 7.3 5.5 8.3



#67

4-Bromophenyl-phenylether

Concen: 4.061 ng

RT: 16.494 min Scan# 2205

Delta R.T. -0.441 min

Lab File: BG057104.D

Acq: 14 Apr 2023 17:47

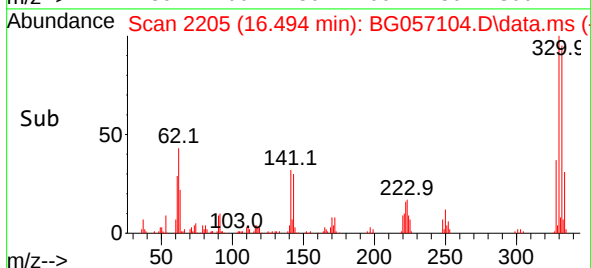
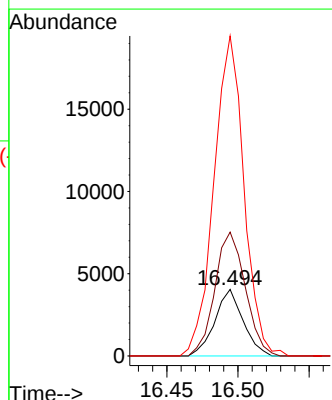
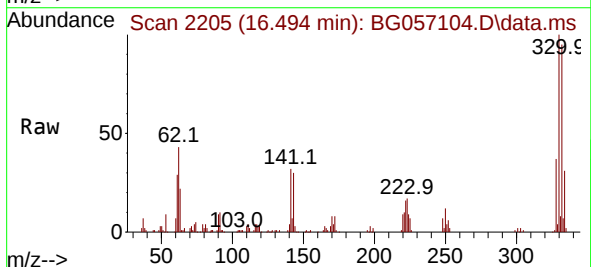
Tgt Ion:248 Resp: 5593

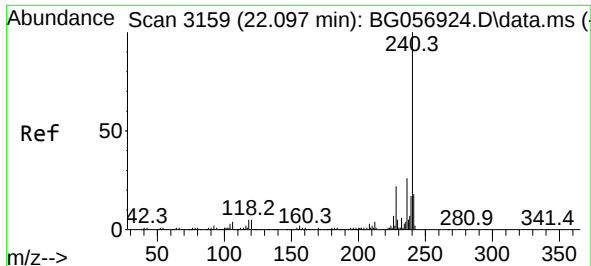
Ion Ratio Lower Upper

248 100

250 186.3 80.5 120.7#

141 481.0 52.0 78.0#

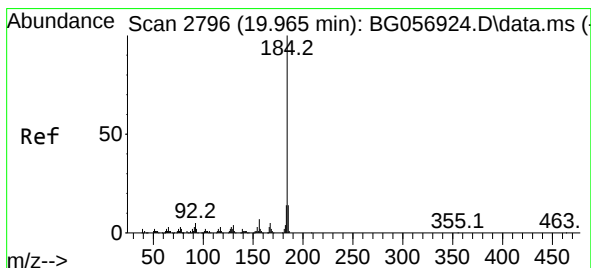
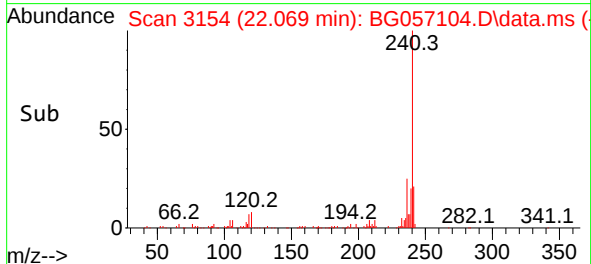
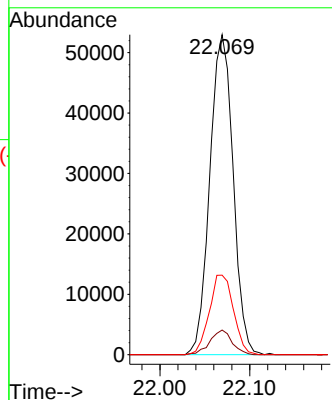
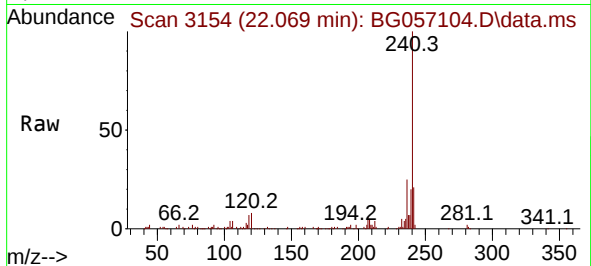




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.069 min Scan# 3159
Delta R.T. -0.012 min
Lab File: BG057104.D
Acq: 14 Apr 2023 17:47

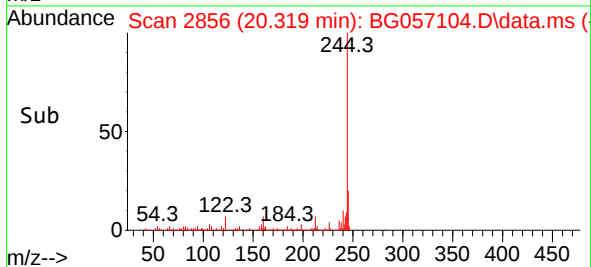
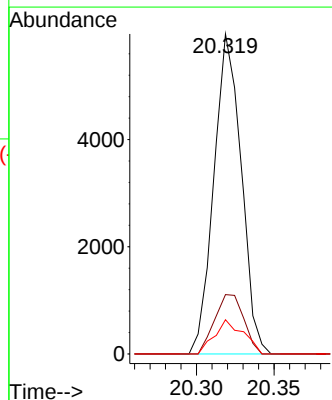
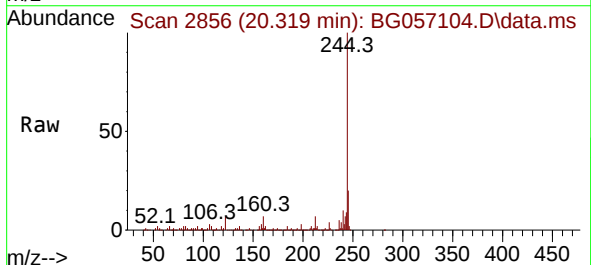
Instrument :
BNA_G
ClientSampleId :
PH1-BOT-1

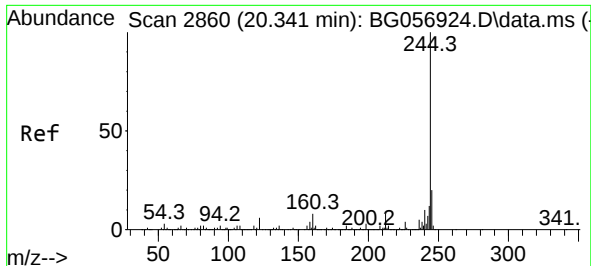
Tgt Ion:240 Resp: 95329
Ion Ratio Lower Upper
240 100
120 7.7 3.8 5.6#
236 24.9 21.0 31.6



#77
Benzidine
Concen: 2.807 ng
RT: 20.319 min Scan# 2856
Delta R.T. 0.364 min
Lab File: BG057104.D
Acq: 14 Apr 2023 17:47

Tgt Ion:184 Resp: 7314
Ion Ratio Lower Upper
184 100
185 18.5 11.0 16.4#
183 10.7 11.4 17.0#

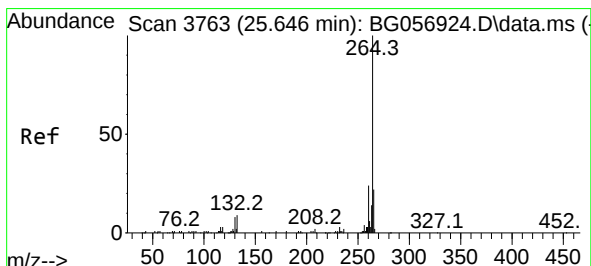
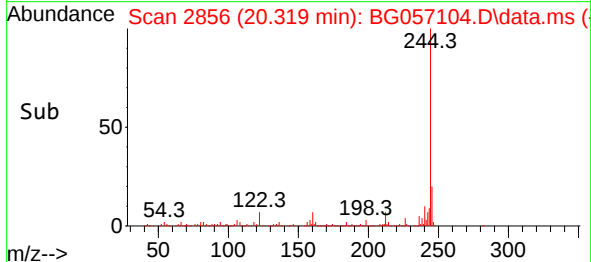
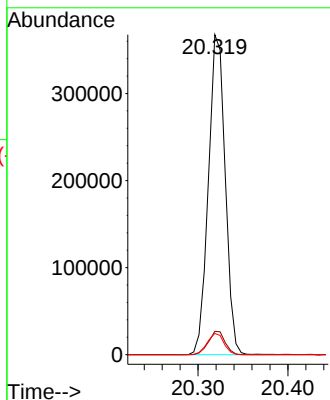
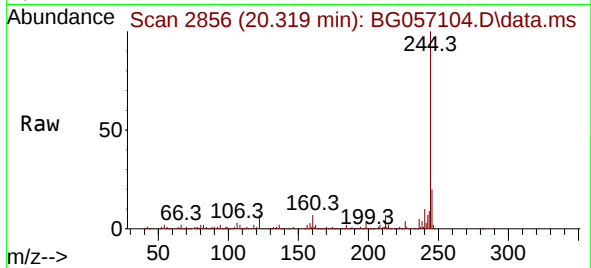




#79
 Terphenyl-d14
 Concen: 84.863 ng
 RT: 20.319 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG057104.D
 Acq: 14 Apr 2023 17:47

Instrument :
 BNA_G
 ClientSampleId :
 PH1-BOT-1

Tgt Ion:244 Resp: 478081
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 6.7 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.606 min Scan# 3756
 Delta R.T. -0.006 min
 Lab File: BG057104.D
 Acq: 14 Apr 2023 17:47

Tgt Ion:264 Resp: 104341
 Ion Ratio Lower Upper
 264 100
 260 26.3 19.0 28.4
 265 22.0 17.8 26.6

