

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057853.D
 Acq On : 23 Jun 2023 22:42
 Operator : CG/JU
 Sample : 03337-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-17

Quant Time: Jun 25 01:40:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

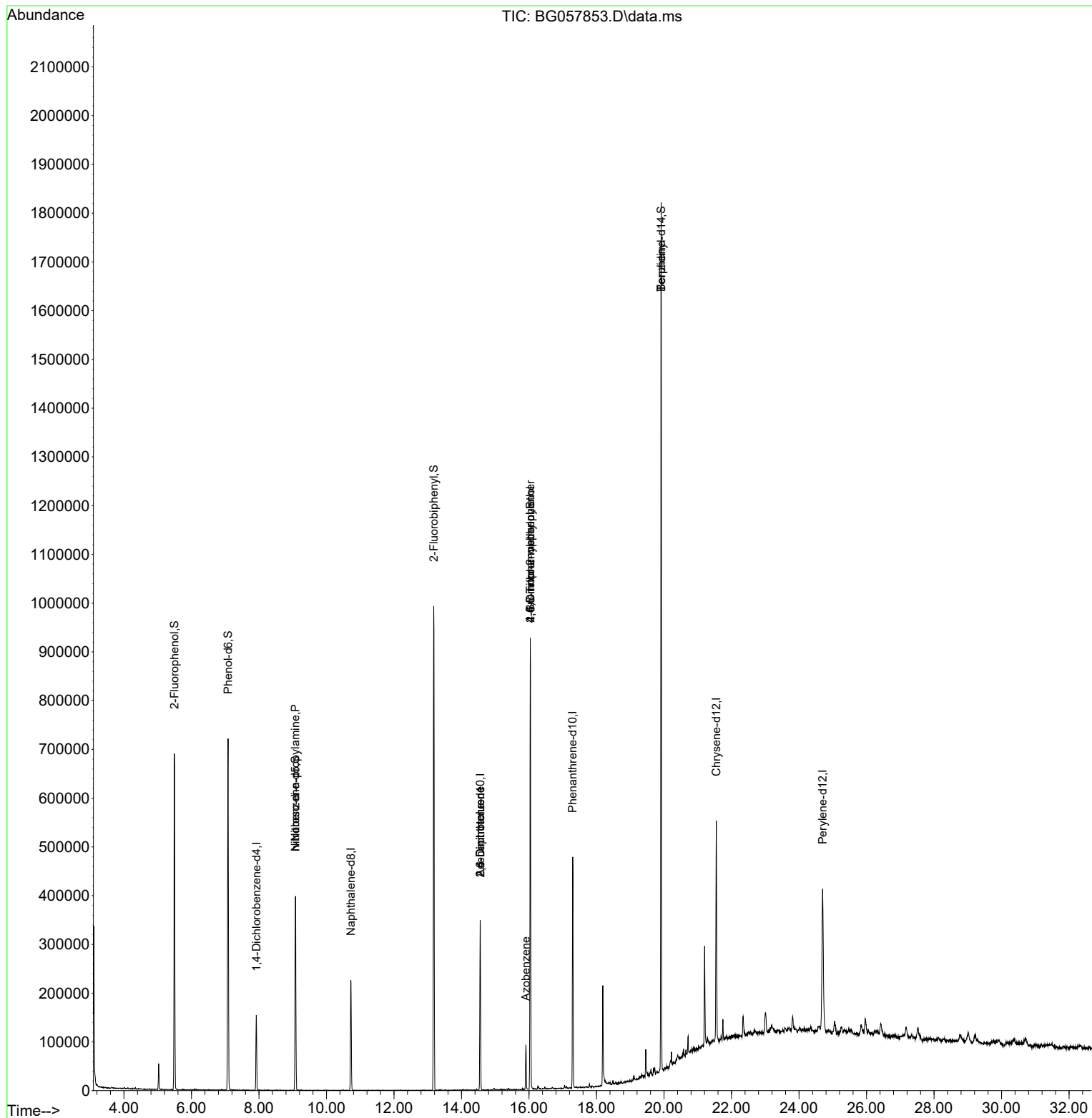
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	43651	20.000	ng	0.00
21) Naphthalene-d8	10.720	136	187426	20.000	ng	-0.01
39) Acenaphthene-d10	14.557	164	128503	20.000	ng	0.00
64) Phenanthrene-d10	17.295	188	297945	20.000	ng	-0.01
76) Chrysene-d12	21.548	240	261225	20.000	ng	-0.01
86) Perylene-d12	24.698	264	314353	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	291272	102.888	ng	0.00
7) Phenol-d6	7.083	99	430895	99.752	ng	0.00
23) Nitrobenzene-d5	9.081	82	237422	65.014	ng	-0.01
42) 2,4,6-Tribromophenol	16.043	330	197312	110.228	ng	0.00
45) 2-Fluorobiphenyl	13.176	172	545588	64.397	ng	-0.01
79) Terphenyl-d14	19.915	244	919890	65.663	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.081	70	29221	9.703	ng	# 79
51) 2,6-Dinitrotoluene	14.557	165	16335	8.988	ng	# 20
57) 2,4-Dinitrotoluene	14.557	165	16335	6.628	ng	# 20
63) Azobenzene	15.908	77	25894	2.500	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.043	198	379	5.558	ng	# 1
67) 4-Bromophenyl-phenylether	16.043	248	12362	3.912	ng	# 1
77) Benzidine	19.915	184	12378	2.021	ng	# 92

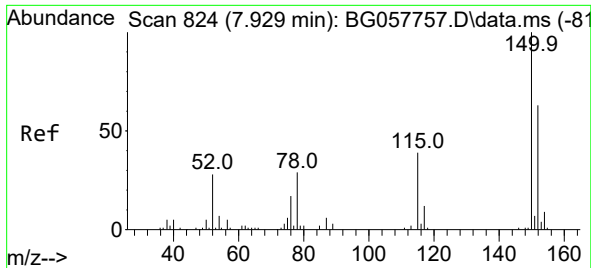
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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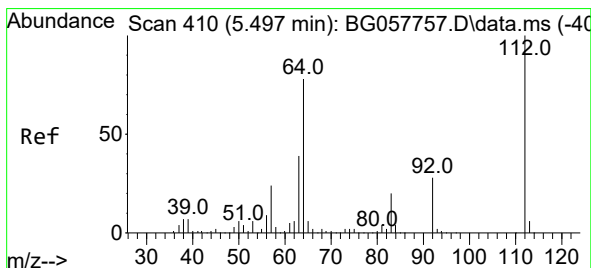
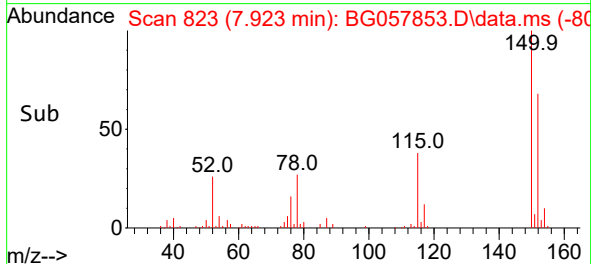
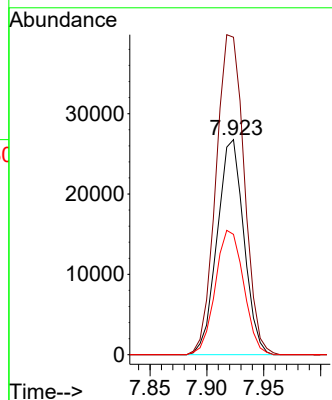
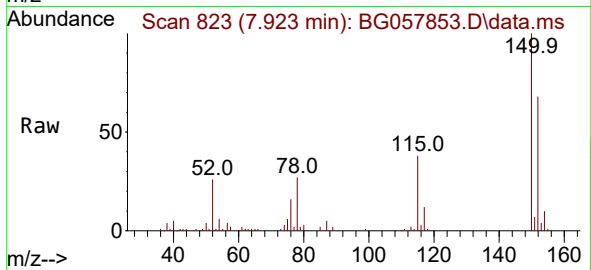




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

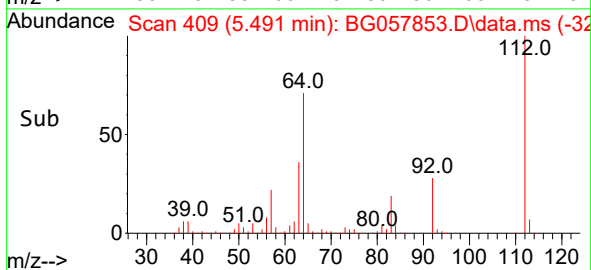
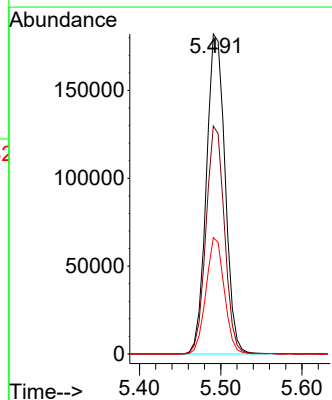
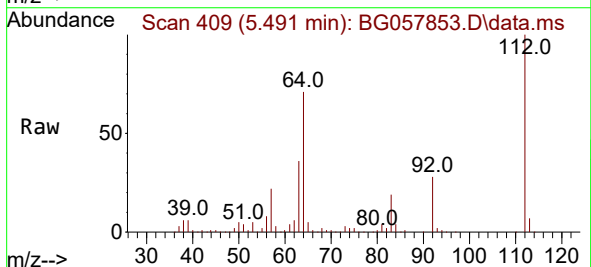
Instrument :
BNA_G
ClientSampleId :
WC-17

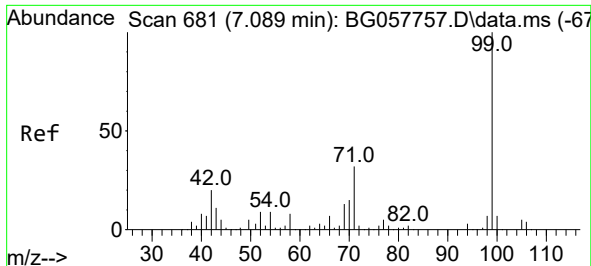
Tgt Ion:152 Resp: 43651
Ion Ratio Lower Upper
152 100
150 147.6 126.6 189.8
115 56.0 48.9 73.3



#5
2-Fluorophenol
Concen: 102.888 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.006 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

Tgt Ion:112 Resp: 291272
Ion Ratio Lower Upper
112 100
64 71.2 62.1 93.1
63 36.3 31.5 47.3

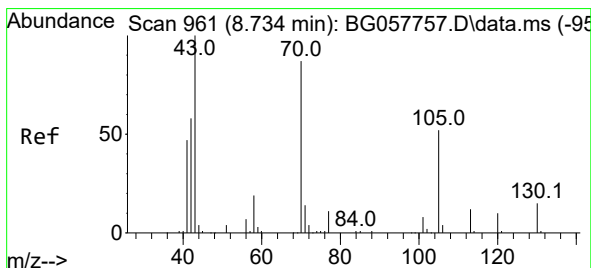
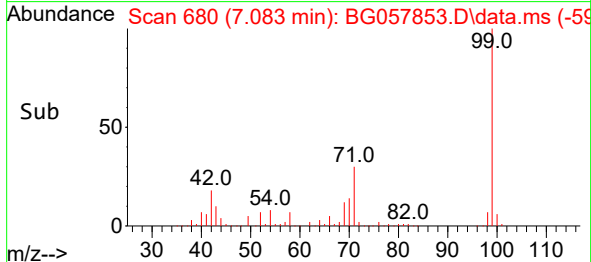
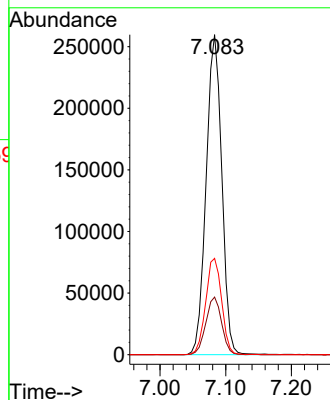
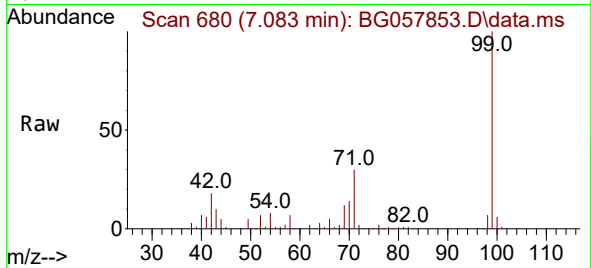




#7
Phenol-d6
Concen: 99.752 ng
RT: 7.083 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

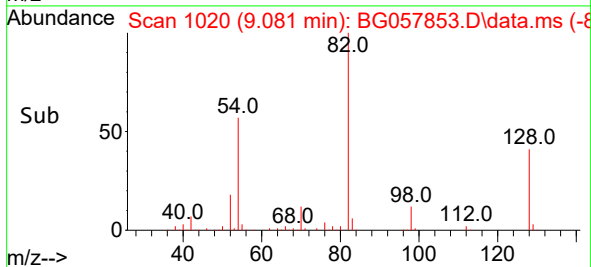
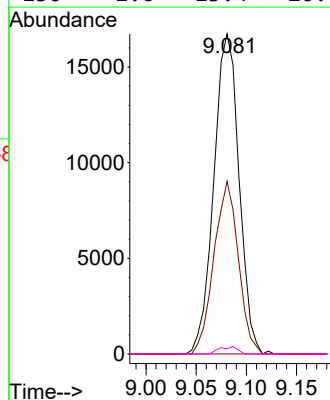
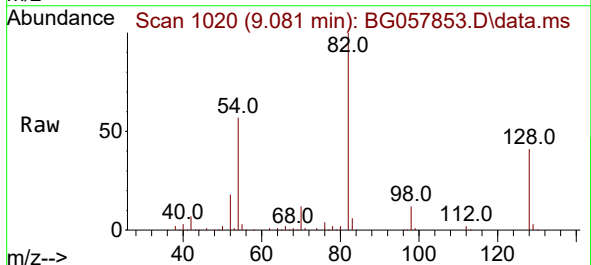
Instrument :
BNA_G
ClientSampleId :
WC-17

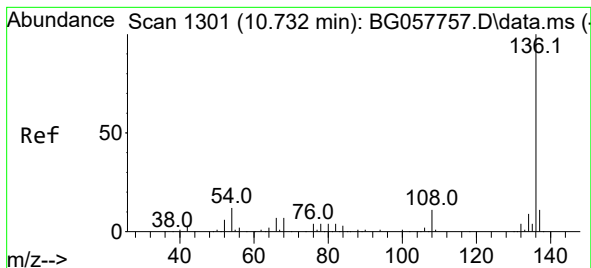
Tgt Ion: 99 Resp: 430895
Ion Ratio Lower Upper
99 100
42 18.0 16.4 24.6
71 30.1 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.703 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.347 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

Tgt Ion: 70 Resp: 29221
Ion Ratio Lower Upper
70 100
42 53.9 54.2 81.2#
101 0.0 7.4 11.0#
130 1.6 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.720 min Scan# 11

Delta R.T. -0.012 min

Lab File: BG057853.D

Acq: 23 Jun 2023 22:42

Instrument :

BNA_G

ClientSampleId :

WC-17

Tgt Ion:136 Resp: 187426

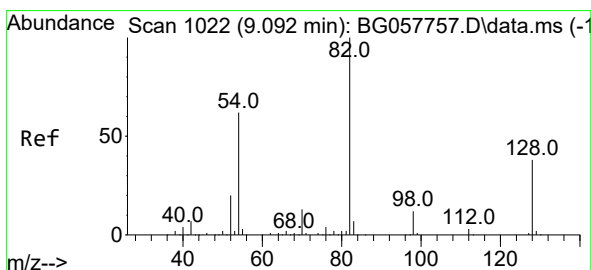
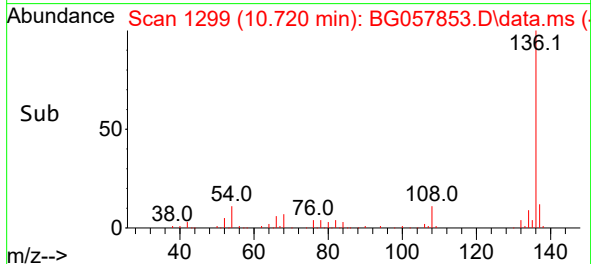
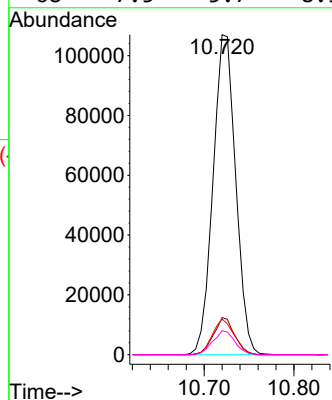
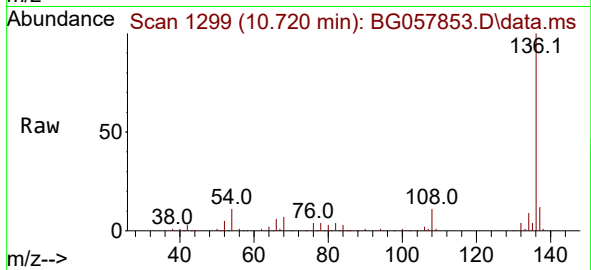
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 11.2 9.5 14.3

68 7.5 5.7 8.5



#23

Nitrobenzene-d5

Concen: 65.014 ng

RT: 9.081 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BG057853.D

Acq: 23 Jun 2023 22:42

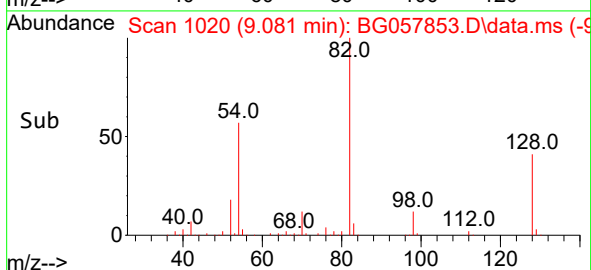
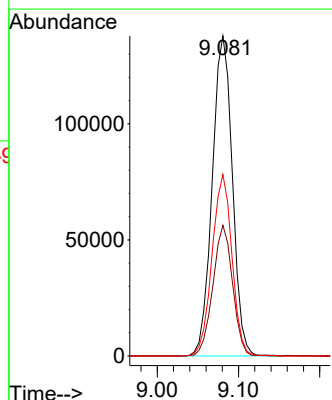
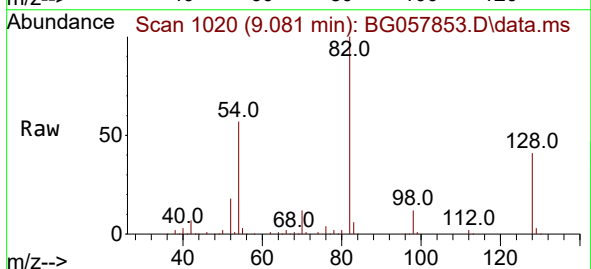
Tgt Ion: 82 Resp: 237422

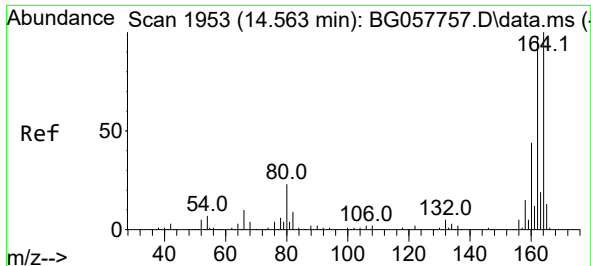
Ion Ratio Lower Upper

82 100

128 40.8 30.7 46.1

54 56.7 49.6 74.4

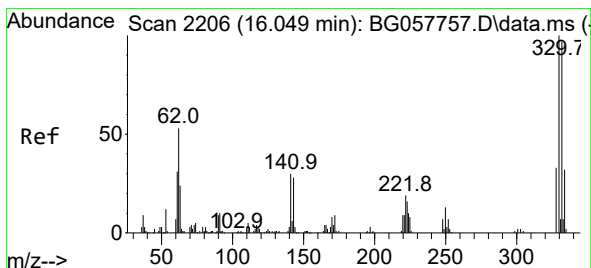
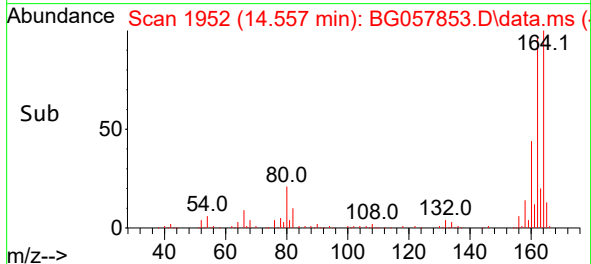
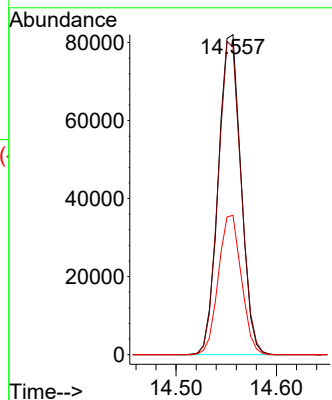
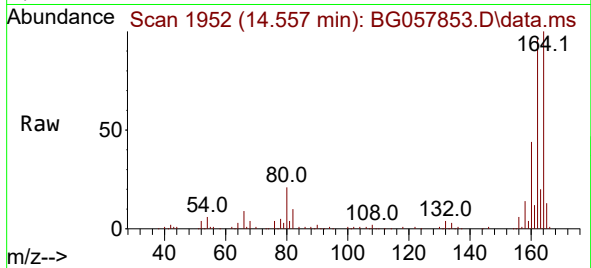




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

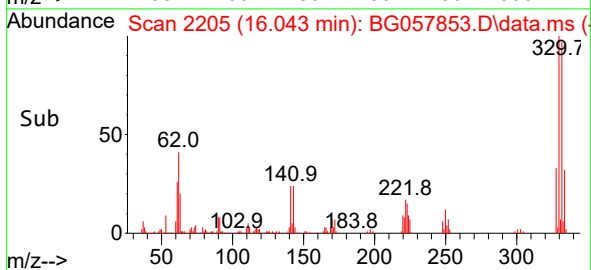
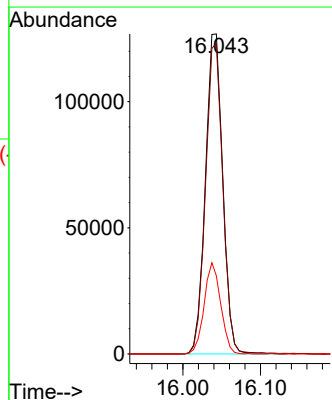
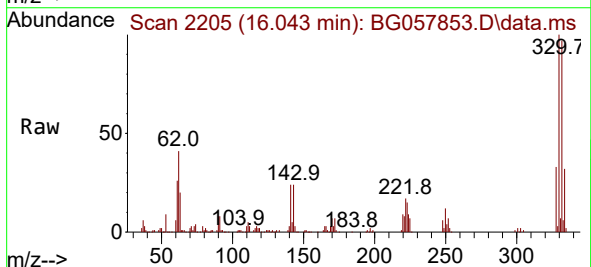
Instrument :
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ClientSampleId :
WC-17

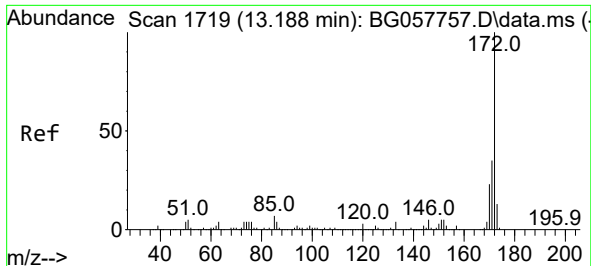
Tgt Ion:164 Resp: 128503
Ion Ratio Lower Upper
164 100
162 96.1 78.3 117.5
160 43.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 110.228 ng
RT: 16.043 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

Tgt Ion:330 Resp: 197312
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 27.1 24.7 37.1

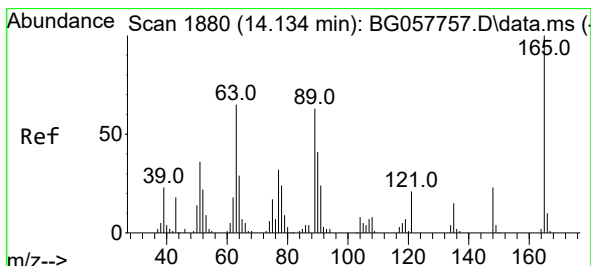
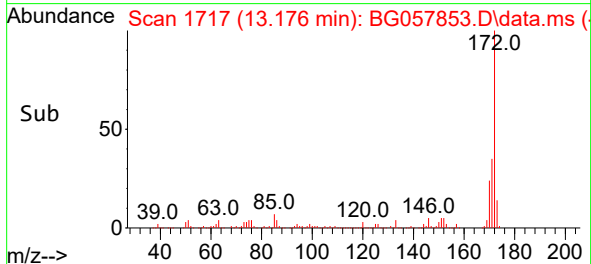
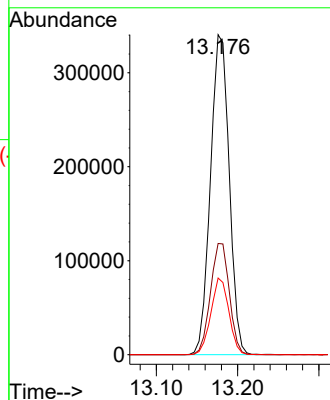
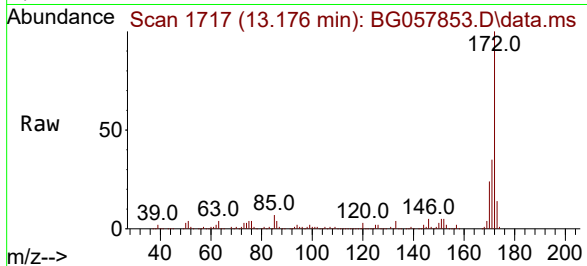




#45
2-Fluorobiphenyl
Concen: 64.397 ng
RT: 13.176 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

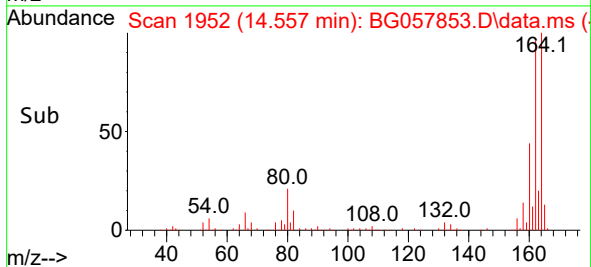
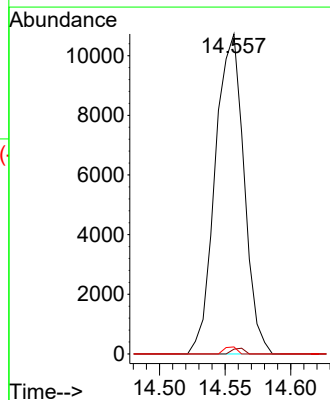
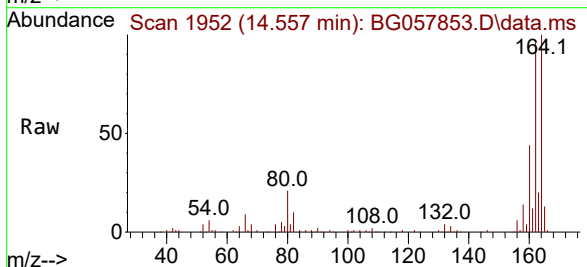
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ClientSampleId :
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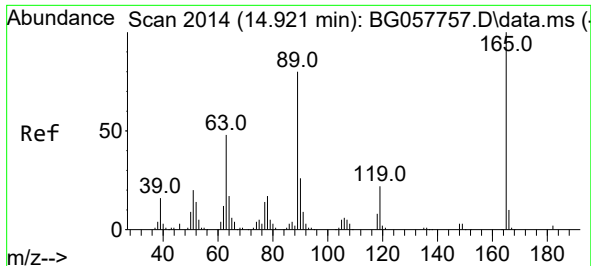
Tgt Ion:172 Resp: 545588
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.9 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.988 ng
RT: 14.557 min Scan# 1952
Delta R.T. 0.423 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

Tgt Ion:165 Resp: 16335
Ion Ratio Lower Upper
165 100
63 1.5 52.8 79.2#
89 2.2 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.628 ng

RT: 14.557 min Scan# 1952

Delta R.T. -0.364 min

Lab File: BG057853.D

Acq: 23 Jun 2023 22:42

Instrument :

BNA_G

ClientSampleId :

WC-17

Tgt Ion:165 Resp: 16335

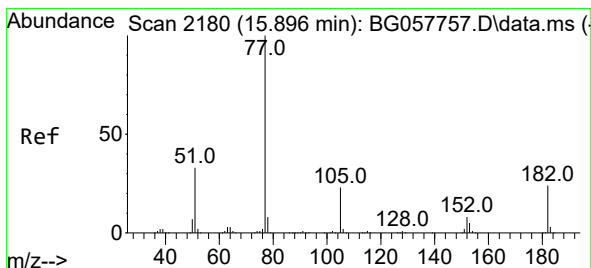
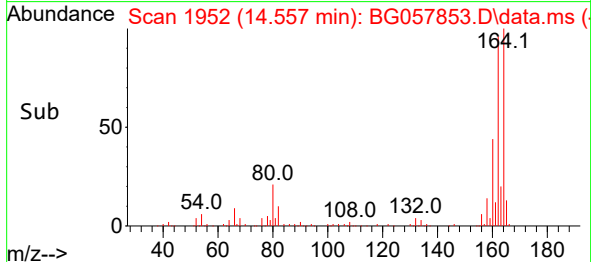
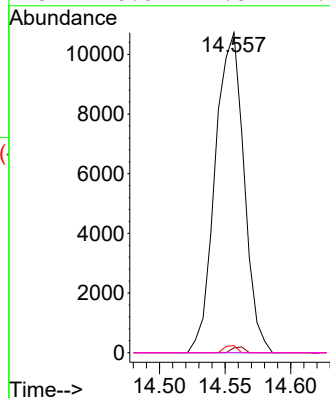
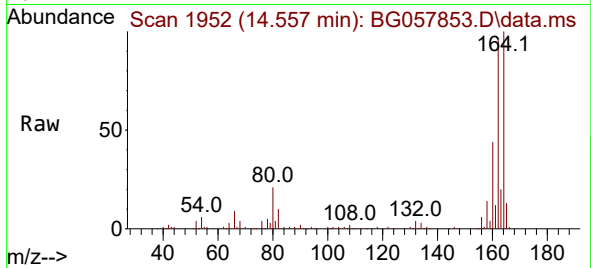
Ion Ratio Lower Upper

165 100

63 1.5 38.6 58.0#

89 2.2 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.500 ng

RT: 15.908 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BG057853.D

Acq: 23 Jun 2023 22:42

Tgt Ion: 77 Resp: 25894

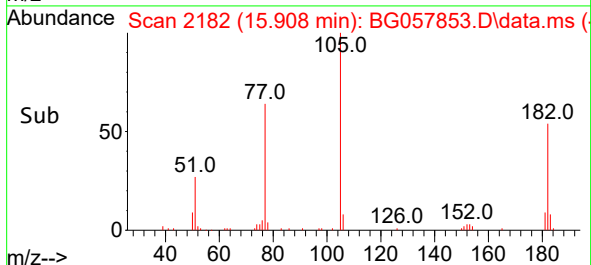
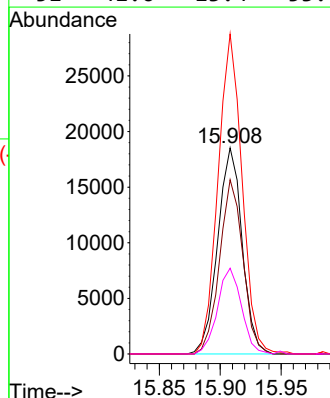
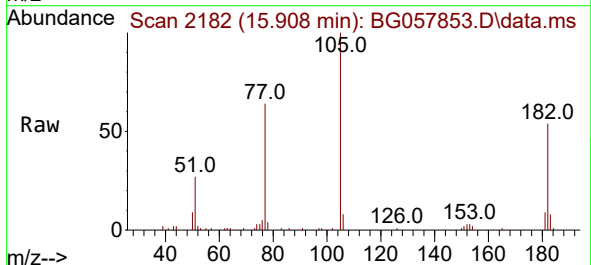
Ion Ratio Lower Upper

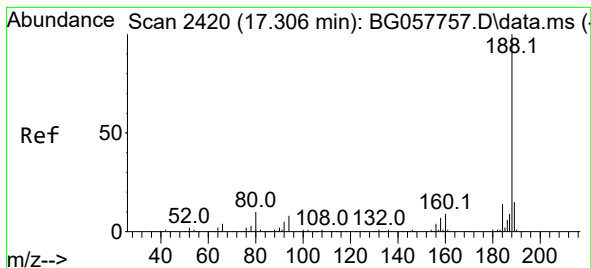
77 100

182 84.5 4.1 44.1#

105 155.2 3.3 43.3#

51 41.6 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.295 min Scan# 24

Delta R.T. -0.012 min

Lab File: BG057853.D

Acq: 23 Jun 2023 22:42

Instrument :

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ClientSampleId :

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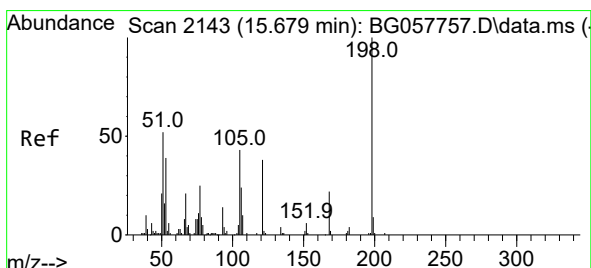
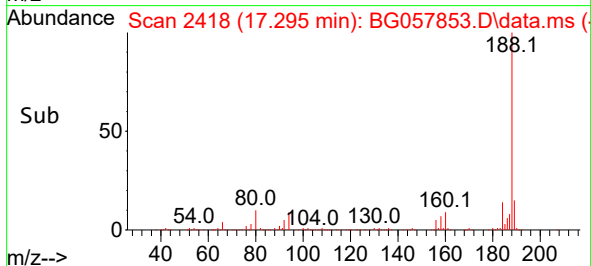
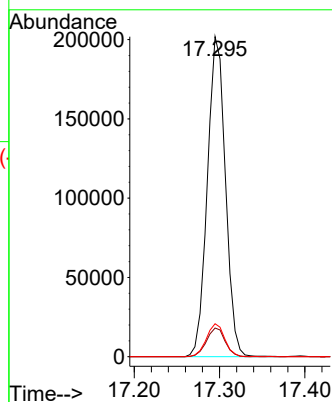
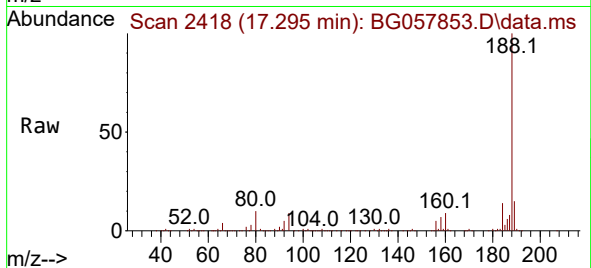
Tgt Ion:188 Resp: 297945

Ion Ratio Lower Upper

188 100

94 8.9 6.6 9.8

80 10.3 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.558 ng

RT: 16.043 min Scan# 2205

Delta R.T. 0.364 min

Lab File: BG057853.D

Acq: 23 Jun 2023 22:42

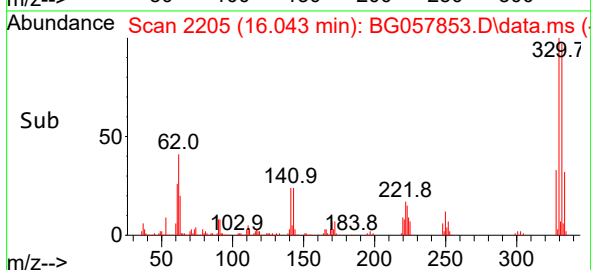
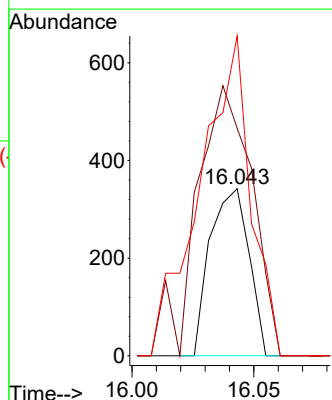
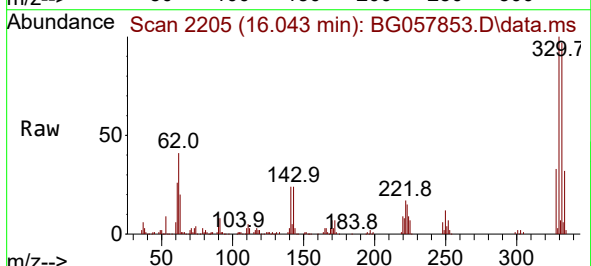
Tgt Ion:198 Resp: 379

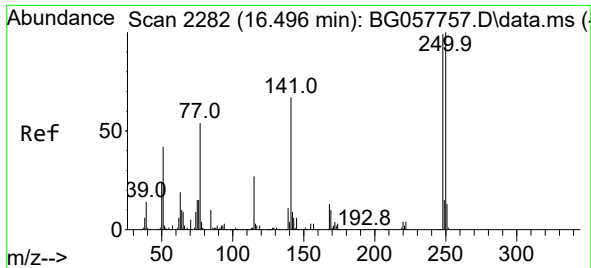
Ion Ratio Lower Upper

198 100

51 136.3 36.6 76.6#

105 191.5 24.3 64.3#

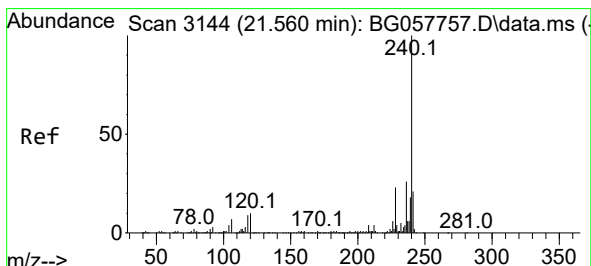
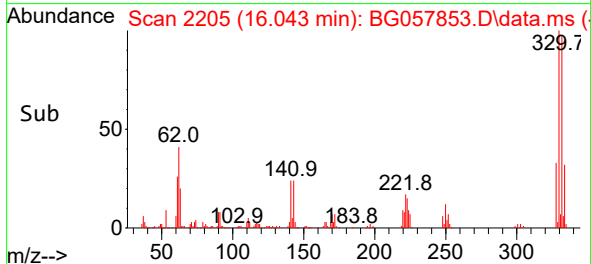
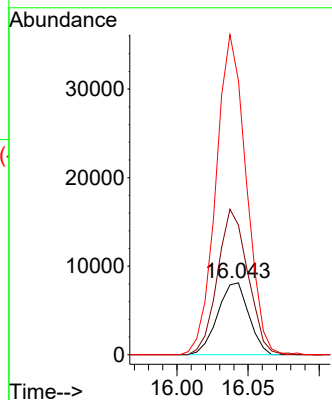
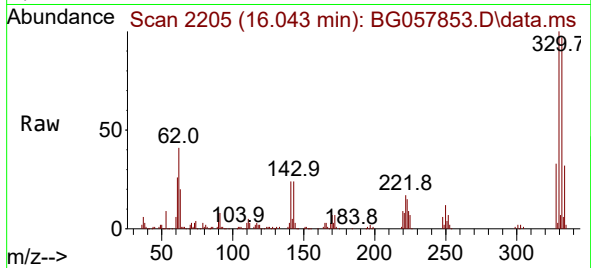




#67
4-Bromophenyl-phenylether
Concen: 3.912 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

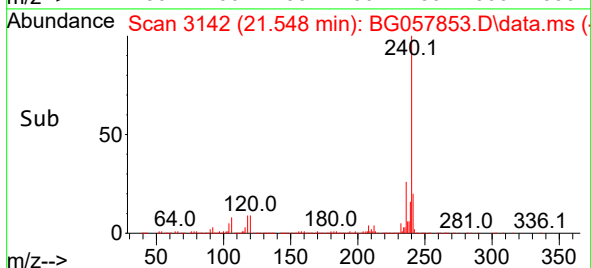
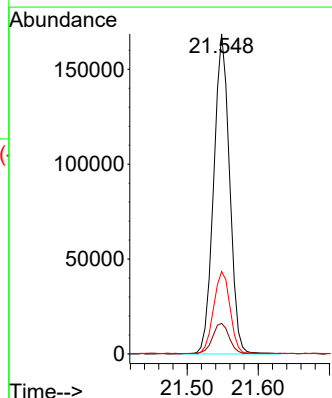
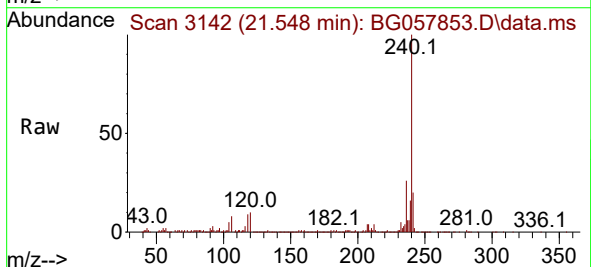
Instrument :
BNA_G
ClientSampleId :
WC-17

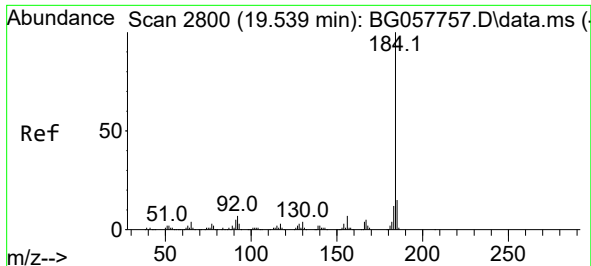
Tgt Ion:248 Resp: 12362
Ion Ratio Lower Upper
248 100
250 180.1 81.1 121.7#
141 381.3 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.548 min Scan# 3142
Delta R.T. -0.012 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

Tgt Ion:240 Resp: 261225
Ion Ratio Lower Upper
240 100
120 9.6 8.1 12.1
236 25.8 20.6 30.8

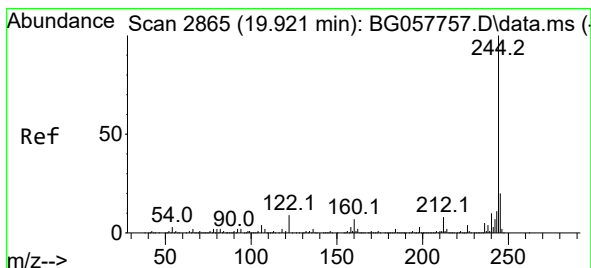
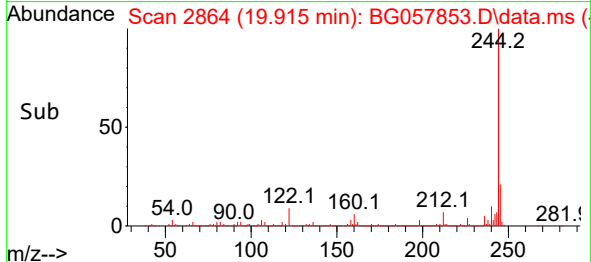
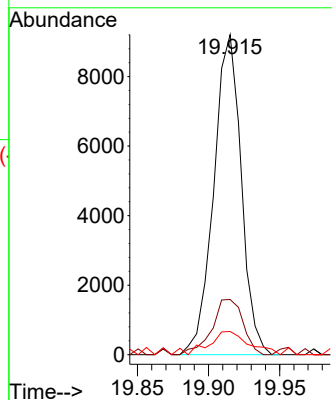
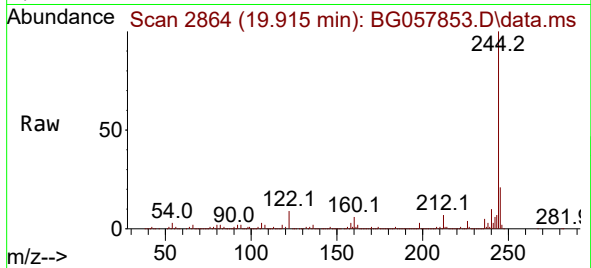




#77
Benzidine
Concen: 2.021 ng
RT: 19.915 min Scan# 2864
Delta R.T. 0.376 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

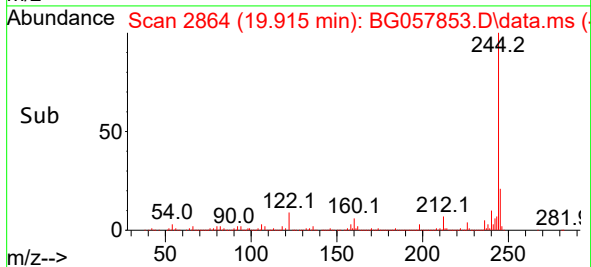
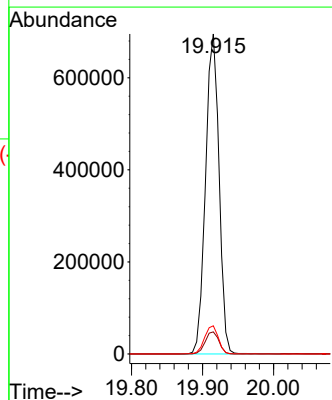
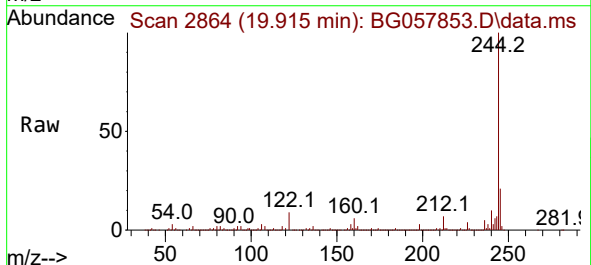
Instrument :
BNA_G
ClientSampleId :
WC-17

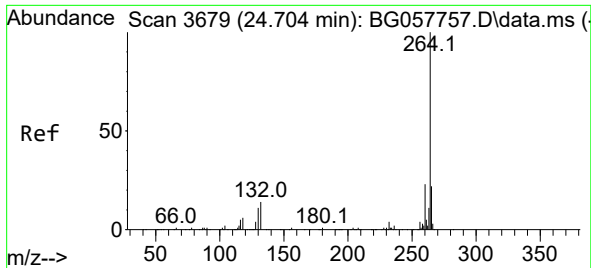
Tgt Ion:184 Resp: 12378
Ion Ratio Lower Upper
184 100
185 17.3 12.0 18.0
183 7.2 9.4 14.0#



#79
Terphenyl-d14
Concen: 65.663 ng
RT: 19.915 min Scan# 2864
Delta R.T. -0.006 min
Lab File: BG057853.D
Acq: 23 Jun 2023 22:42

Tgt Ion:244 Resp: 919890
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 8.8 7.6 11.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.698 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BG057853.D
 Acq: 23 Jun 2023 22:42

Instrument :
 BNA_G
 ClientSampleId :
 WC-17

Tgt Ion:264 Resp: 314353
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.5 27.7
 265 22.7 17.4 26.2

