

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057855.D
 Acq On : 24 Jun 2023 00:08
 Operator : CG/JU
 Sample : 03336-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-5

Quant Time: Jun 25 01:40:47 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)

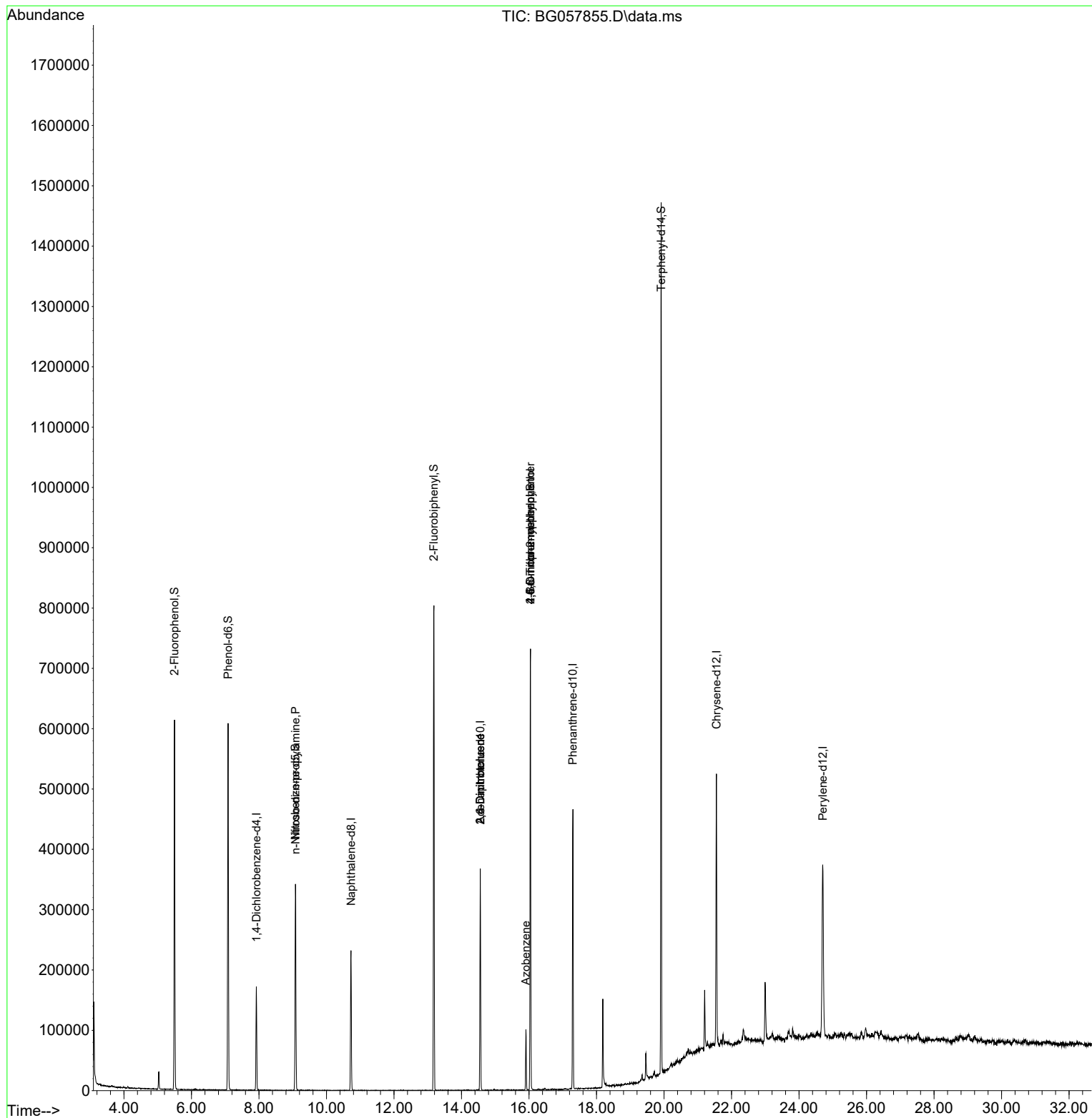
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	46453	20.000	ng	0.00
21) Naphthalene-d8	10.725	136	192797	20.000	ng	0.00
39) Acenaphthene-d10	14.556	164	128145	20.000	ng	0.00
64) Phenanthrene-d10	17.300	188	292355	20.000	ng	0.00
76) Chrysene-d12	21.554	240	259355	20.000	ng	0.00
86) Perylene-d12	24.703	264	315980	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	258359	85.757	ng	0.00
7) Phenol-d6	7.083	99	353142	76.821	ng	0.00
23) Nitrobenzene-d5	9.080	82	207184	55.153	ng	-0.01
42) 2,4,6-Tribromophenol	16.043	330	156425	87.631	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	445888	52.776	ng	0.00
79) Terphenyl-d14	19.915	244	749936	53.918	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.086	70	25188	7.859	ng	# 72
51) 2,6-Dinitrotoluene	14.556	165	16653	9.188	ng	# 19
57) 2,4-Dinitrotoluene	14.556	165	16653	6.776	ng	# 19
63) Azobenzene	15.908	77	27974	2.708	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.043	198	322	5.525	ng	# 1
67) 4-Bromophenyl-phenylether	16.043	248	9886	3.188	ng	# 1

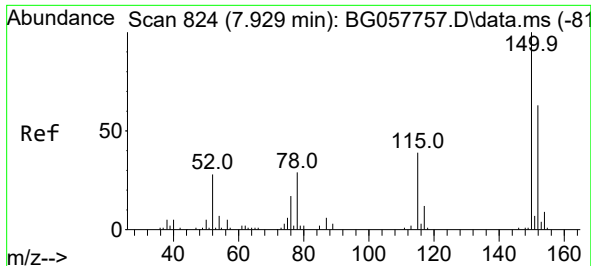
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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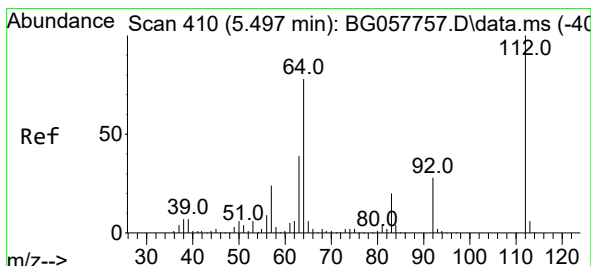
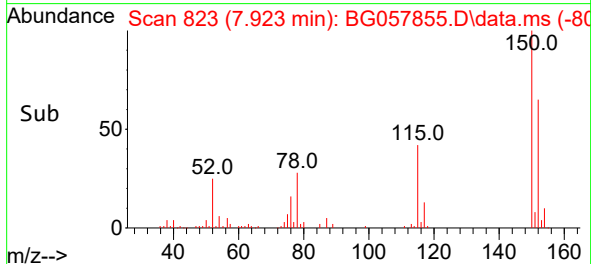
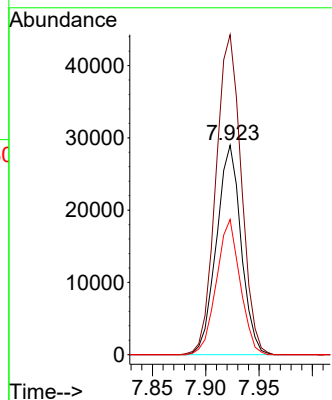
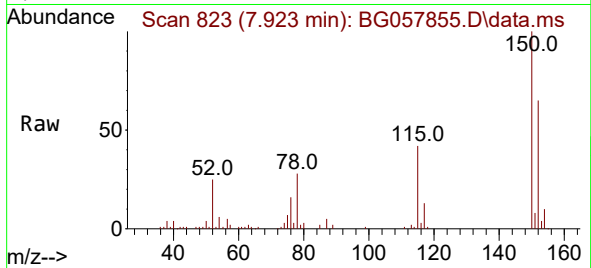




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057855.D
Acq: 24 Jun 2023 00:08

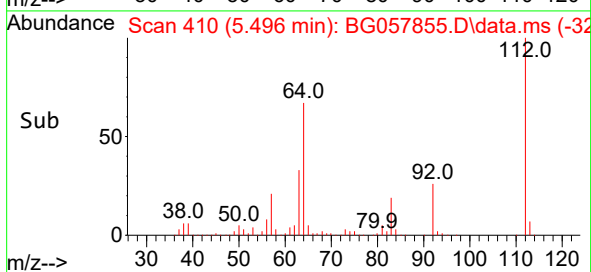
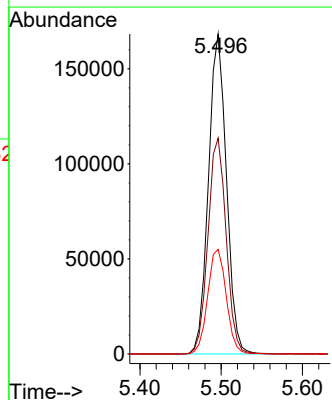
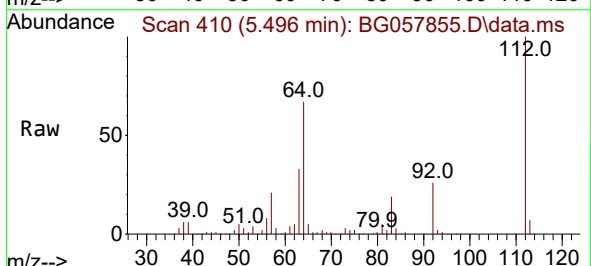
Instrument :
BNA_G
ClientSampleId :
WC-5

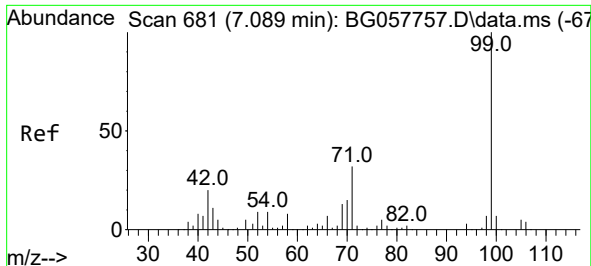
Tgt Ion:152 Resp: 46453
Ion Ratio Lower Upper
152 100
150 152.8 126.6 189.8
115 64.5 48.9 73.3



#5
2-Fluorophenol
Concen: 85.757 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.001 min
Lab File: BG057855.D
Acq: 24 Jun 2023 00:08

Tgt Ion:112 Resp: 258359
Ion Ratio Lower Upper
112 100
64 67.5 62.1 93.1
63 32.7 31.5 47.3

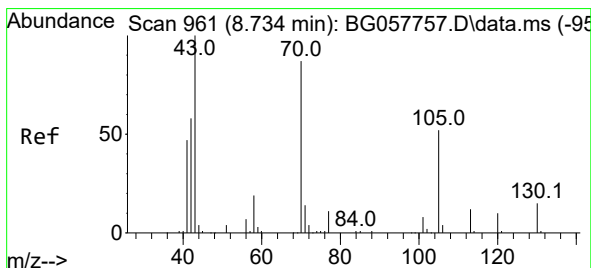
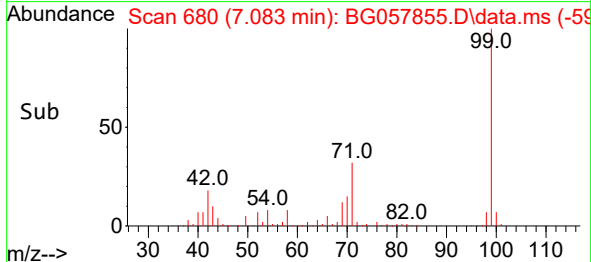
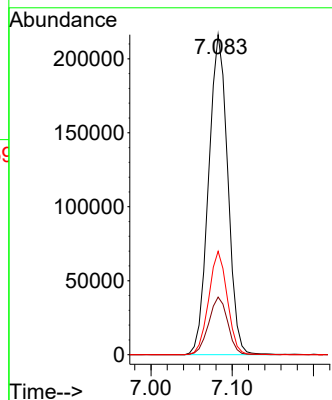
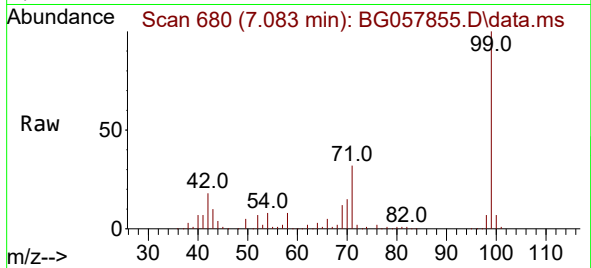




#7
Phenol-d6
Concen: 76.821 ng
RT: 7.083 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG057855.D
Acq: 24 Jun 2023 00:08

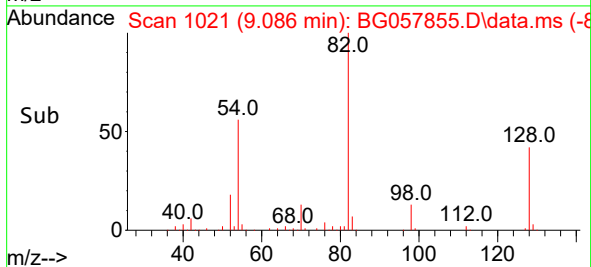
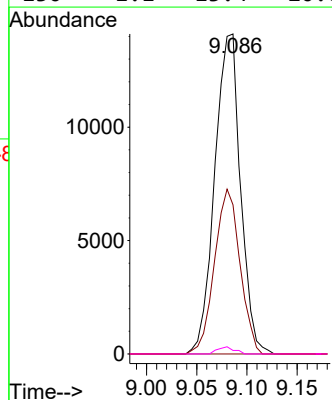
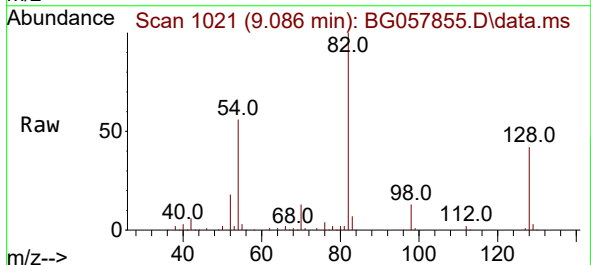
Instrument :
BNA_G
ClientSampleId :
WC-5

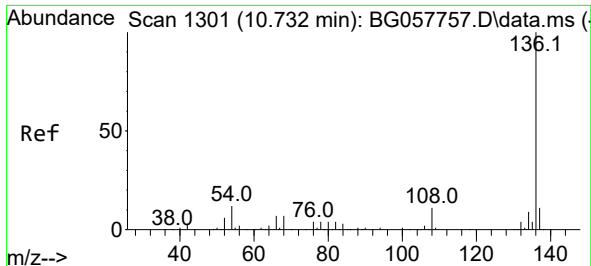
Tgt Ion: 99 Resp: 353142
Ion Ratio Lower Upper
99 100
42 18.0 16.4 24.6
71 32.3 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 7.859 ng
RT: 9.086 min Scan# 1021
Delta R.T. 0.352 min
Lab File: BG057855.D
Acq: 24 Jun 2023 00:08

Tgt Ion: 70 Resp: 25188
Ion Ratio Lower Upper
70 100
42 46.6 54.2 81.2#
101 0.0 7.4 11.0#
130 1.1 13.4 20.0#

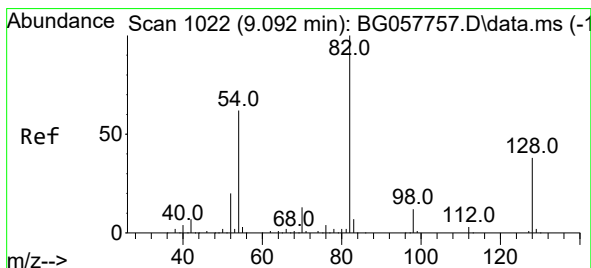
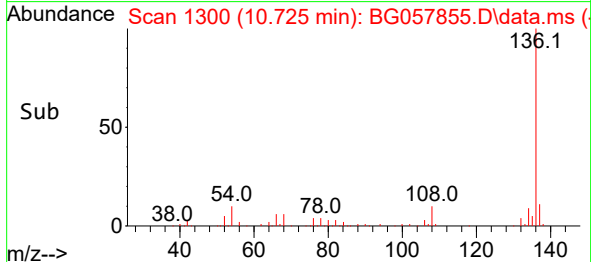
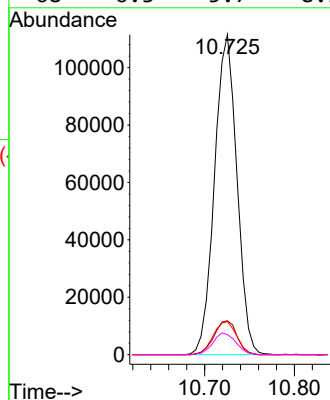
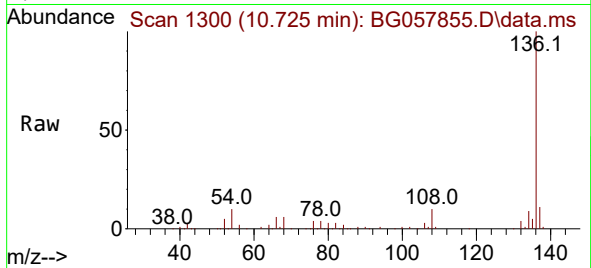




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057855.D
Acq: 24 Jun 2023 00:08

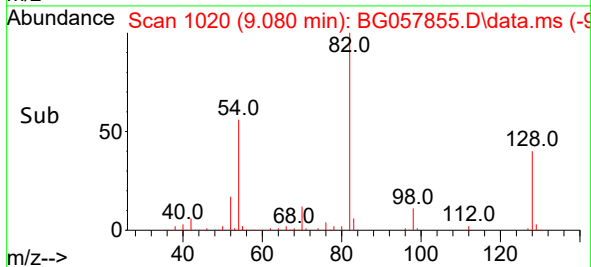
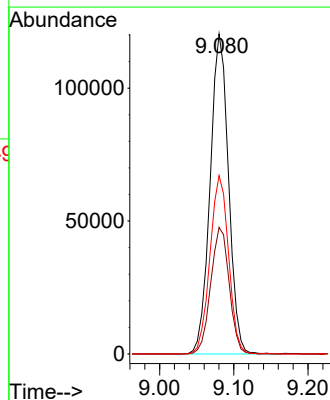
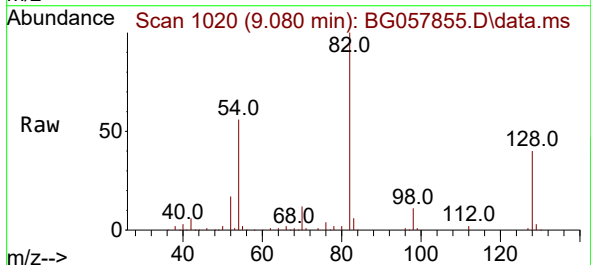
Instrument :
BNA_G
ClientSampleId :
WC-5

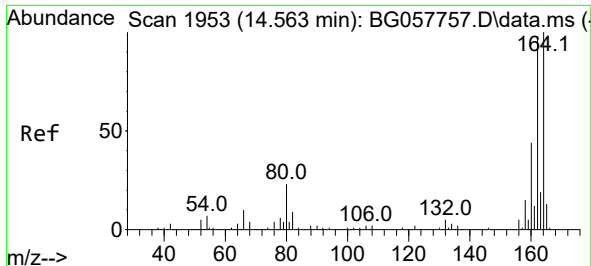
Tgt Ion:136 Resp: 192797
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.3 9.5 14.3
68 6.3 5.7 8.5



#23
Nitrobenzene-d5
Concen: 55.153 ng
RT: 9.080 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BG057855.D
Acq: 24 Jun 2023 00:08

Tgt Ion: 82 Resp: 207184
Ion Ratio Lower Upper
82 100
128 39.5 30.7 46.1
54 55.8 49.6 74.4

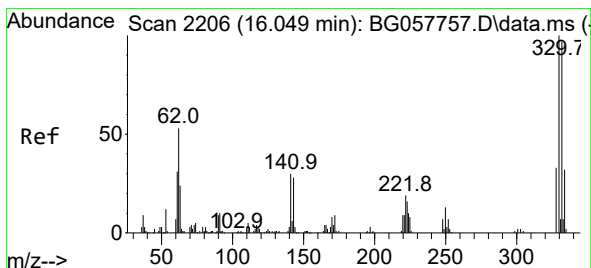
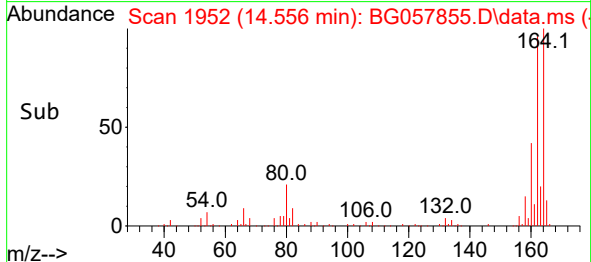
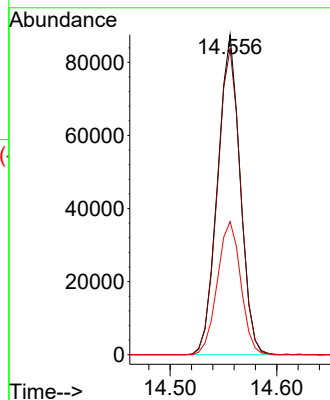
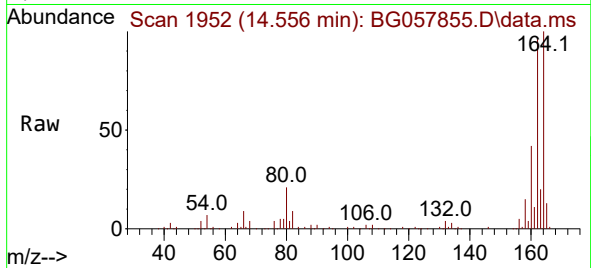




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG057855.D
Acq: 24 Jun 2023 00:08

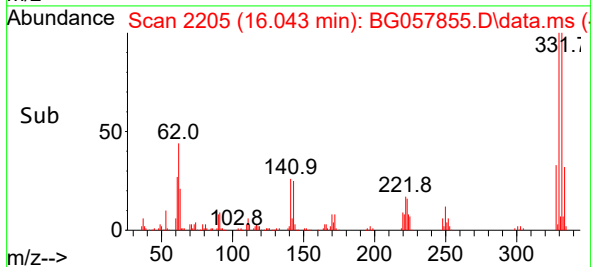
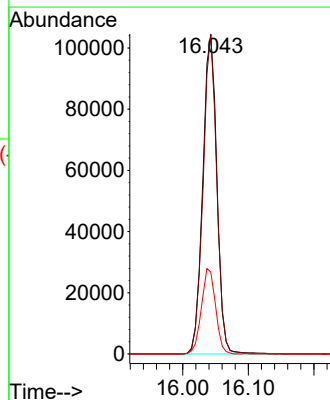
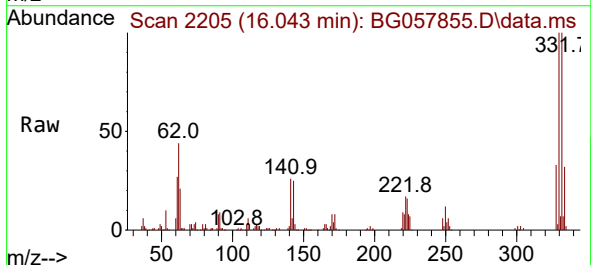
Instrument :
BNA_G
ClientSampleId :
WC-5

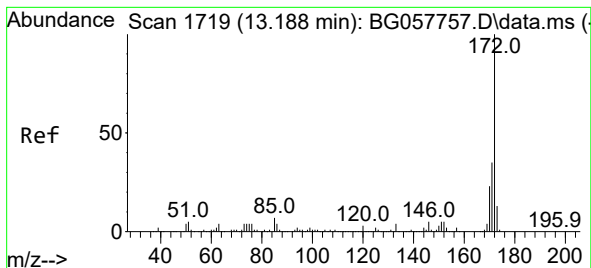
Tgt Ion:164 Resp: 128145
Ion Ratio Lower Upper
164 100
162 95.7 78.3 117.5
160 41.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 87.631 ng
RT: 16.043 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BG057855.D
Acq: 24 Jun 2023 00:08

Tgt Ion:330 Resp: 156425
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 26.8 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 52.776 ng

RT: 13.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG057855.D

Acq: 24 Jun 2023 00:08

Instrument :

BNA_G

ClientSampleId :

WC-5

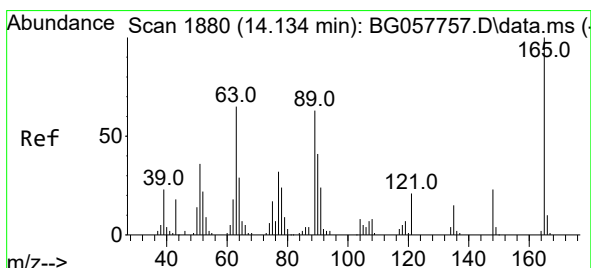
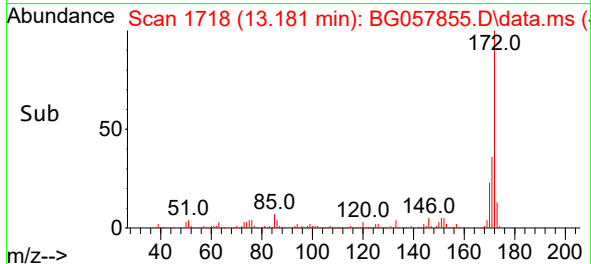
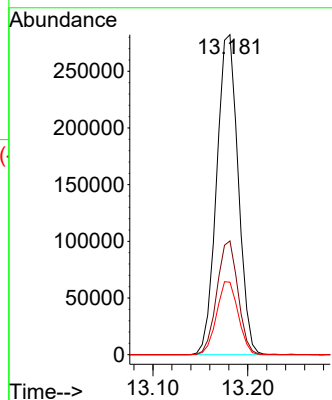
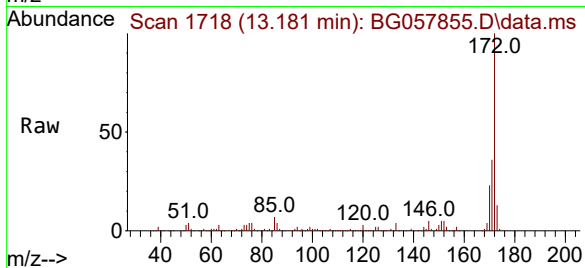
Tgt Ion:172 Resp: 445888

Ion Ratio Lower Upper

172 100

171 35.6 28.1 42.1

170 22.6 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.188 ng

RT: 14.556 min Scan# 1952

Delta R.T. 0.422 min

Lab File: BG057855.D

Acq: 24 Jun 2023 00:08

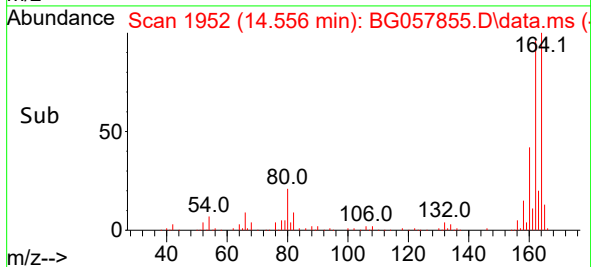
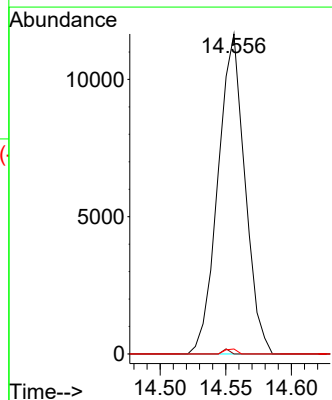
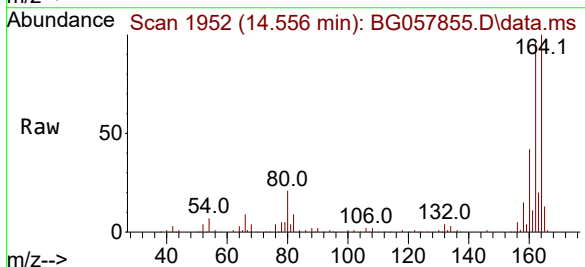
Tgt Ion:165 Resp: 16653

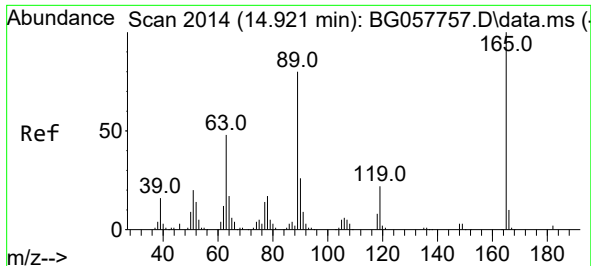
Ion Ratio Lower Upper

165 100

63 0.0 52.8 79.2#

89 1.5 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.776 ng

RT: 14.556 min Scan# 1952

Delta R.T. -0.365 min

Lab File: BG057855.D

Acq: 24 Jun 2023 00:08

Instrument :

BNA_G

ClientSampleId :

WC-5

Tgt Ion:165 Resp: 16653

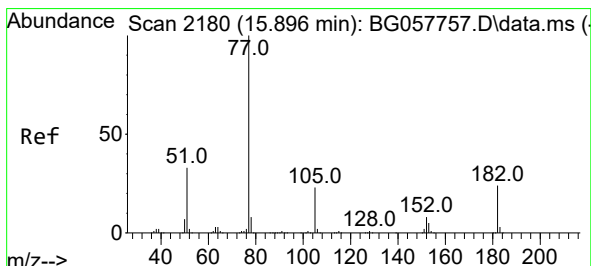
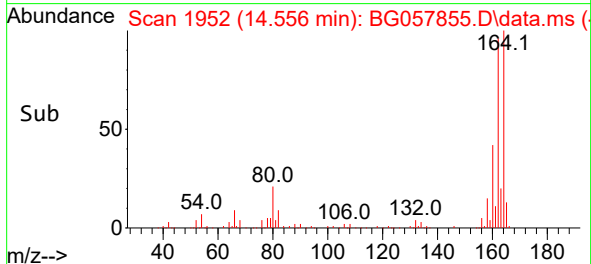
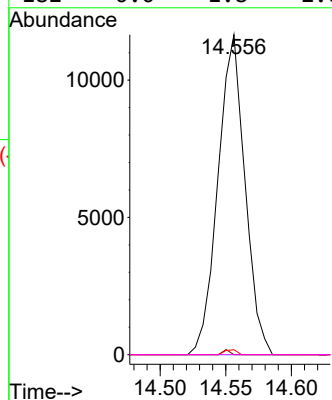
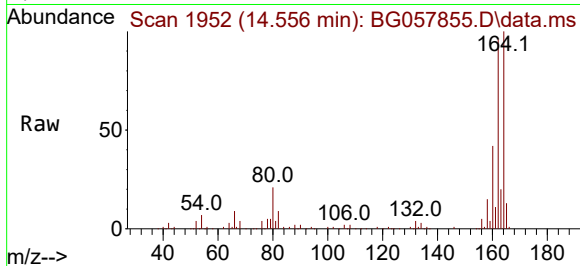
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 1.5 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.708 ng

RT: 15.908 min Scan# 2182

Delta R.T. 0.011 min

Lab File: BG057855.D

Acq: 24 Jun 2023 00:08

Tgt Ion: 77 Resp: 27974

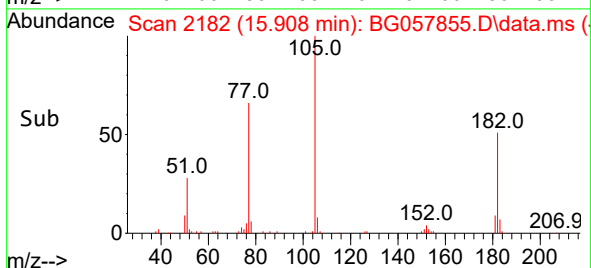
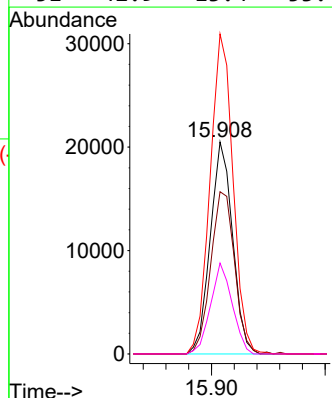
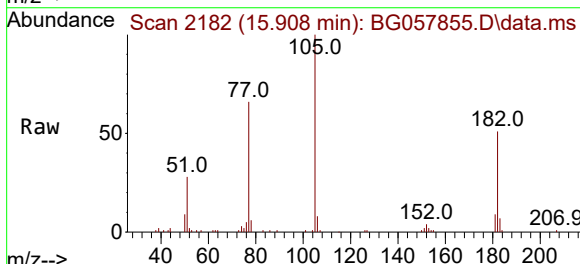
Ion Ratio Lower Upper

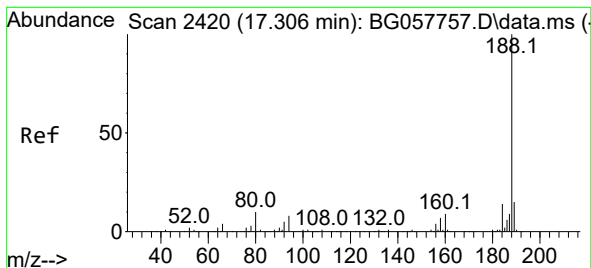
77 100

182 76.5 4.1 44.1#

105 151.0 3.3 43.3#

51 42.9 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.300 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG057855.D

Acq: 24 Jun 2023 00:08

Instrument :

BNA_G

ClientSampleId :

WC-5

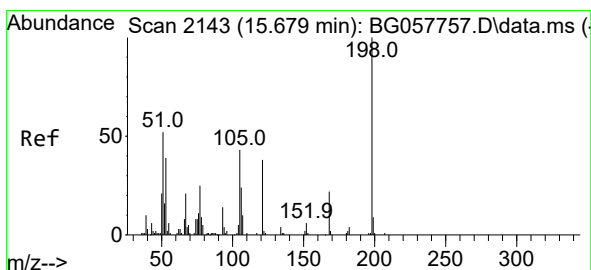
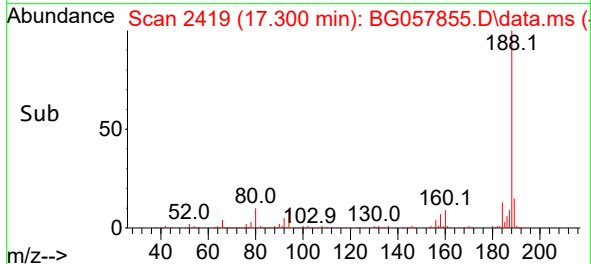
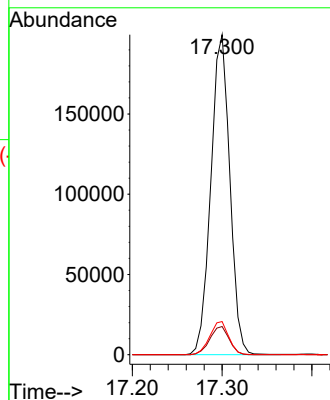
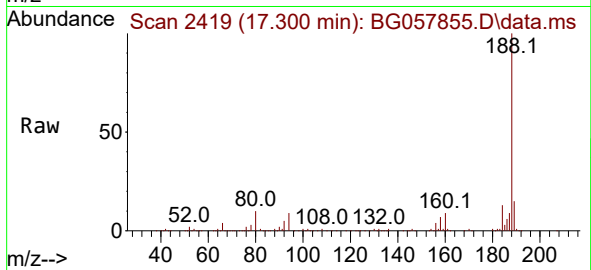
Tgt Ion:188 Resp: 292355

Ion Ratio Lower Upper

188 100

94 8.8 6.6 9.8

80 10.3 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.525 ng

RT: 16.043 min Scan# 2205

Delta R.T. 0.364 min

Lab File: BG057855.D

Acq: 24 Jun 2023 00:08

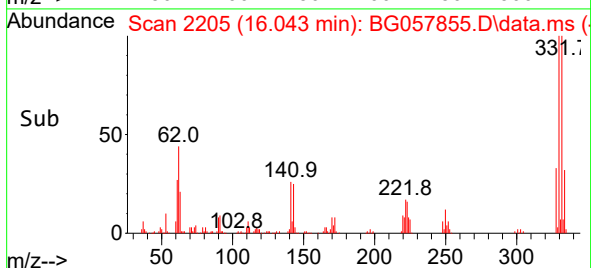
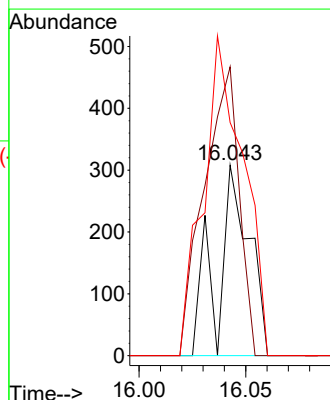
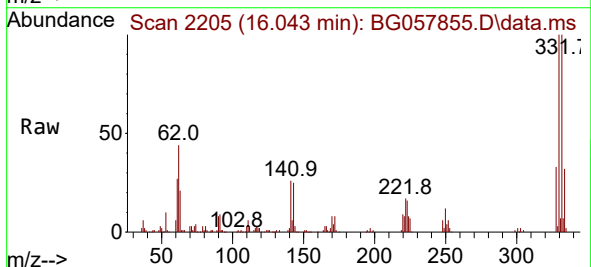
Tgt Ion:198 Resp: 322

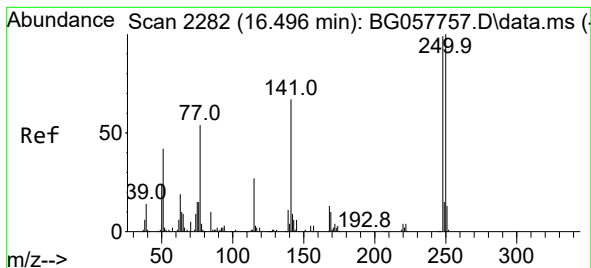
Ion Ratio Lower Upper

198 100

51 151.6 36.6 76.6#

105 122.4 24.3 64.3#

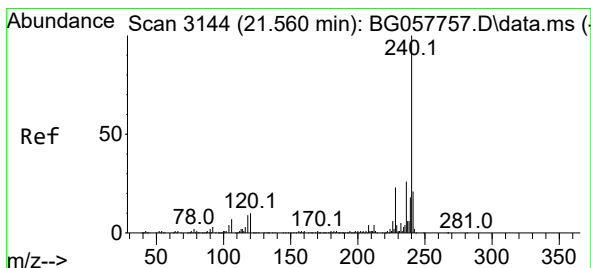
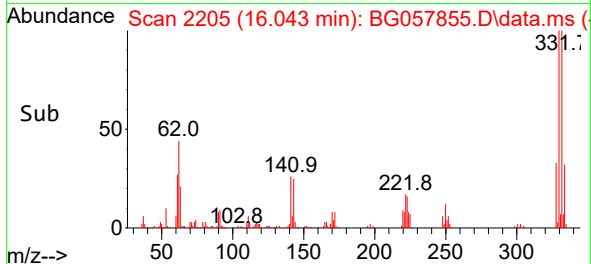
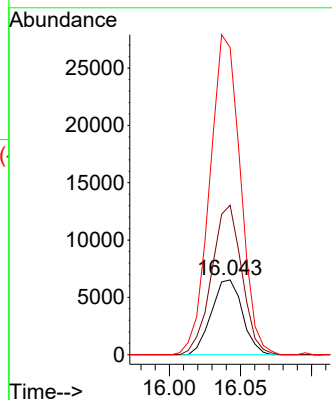
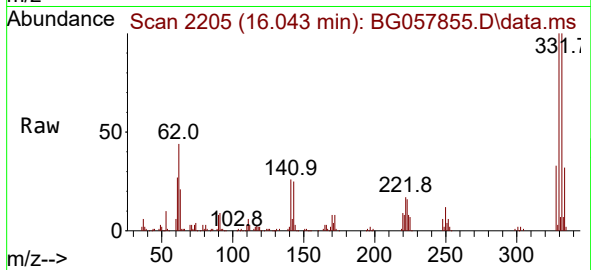




#67
4-Bromophenyl-phenylether
Concen: 3.188 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG057855.D
Acq: 24 Jun 2023 00:08

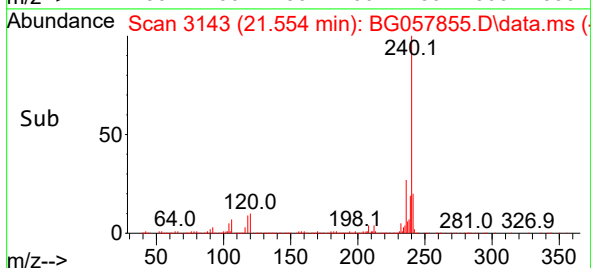
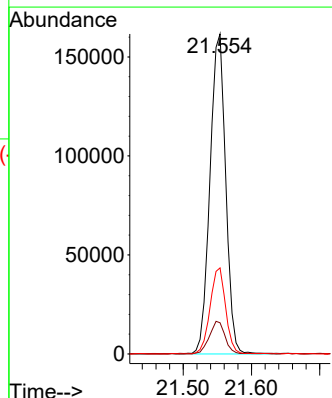
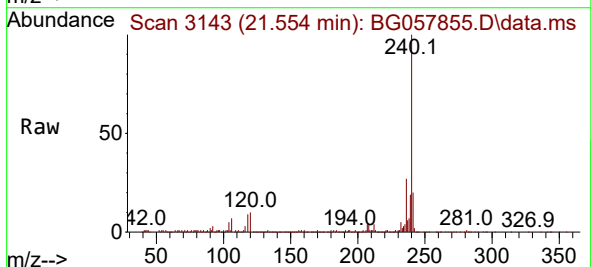
Instrument :
BNA_G
ClientSampleId :
WC-5

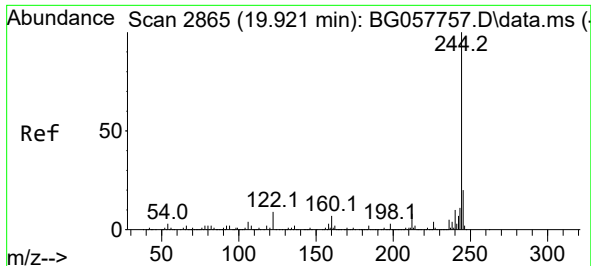
Tgt Ion:248 Resp: 9886
Ion Ratio Lower Upper
248 100
250 200.2 81.1 121.7#
141 411.4 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.554 min Scan# 3143
Delta R.T. -0.006 min
Lab File: BG057855.D
Acq: 24 Jun 2023 00:08

Tgt Ion:240 Resp: 259355
Ion Ratio Lower Upper
240 100
120 9.8 8.1 12.1
236 26.9 20.6 30.8

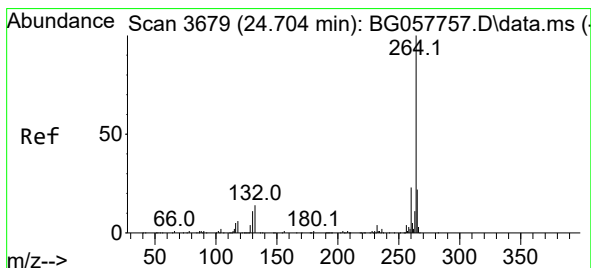
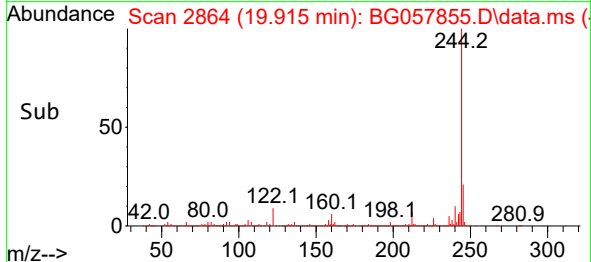
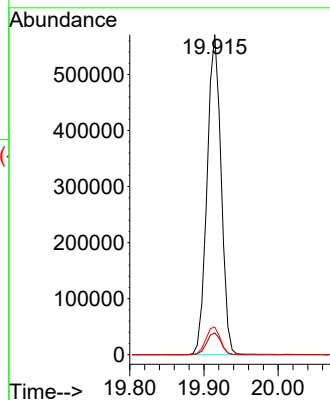
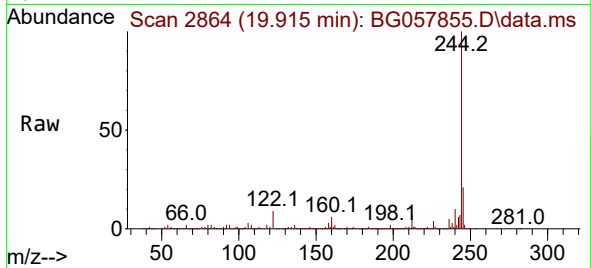




#79
 Terphenyl-d14
 Concen: 53.918 ng
 RT: 19.915 min Scan# 2864
 Delta R.T. -0.006 min
 Lab File: BG057855.D
 Acq: 24 Jun 2023 00:08

Instrument :
 BNA_G
 ClientSampleId :
 WC-5

Tgt Ion:244 Resp: 749936
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 8.7 7.6 11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.703 min Scan# 3679
 Delta R.T. -0.001 min
 Lab File: BG057855.D
 Acq: 24 Jun 2023 00:08

Tgt Ion:264 Resp: 315980
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.5 27.7
 265 21.9 17.4 26.2

