

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057856.D
 Acq On : 24 Jun 2023 00:50
 Operator : CG/JU
 Sample : 03336-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Quant Time: Jun 25 01:41:00 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)

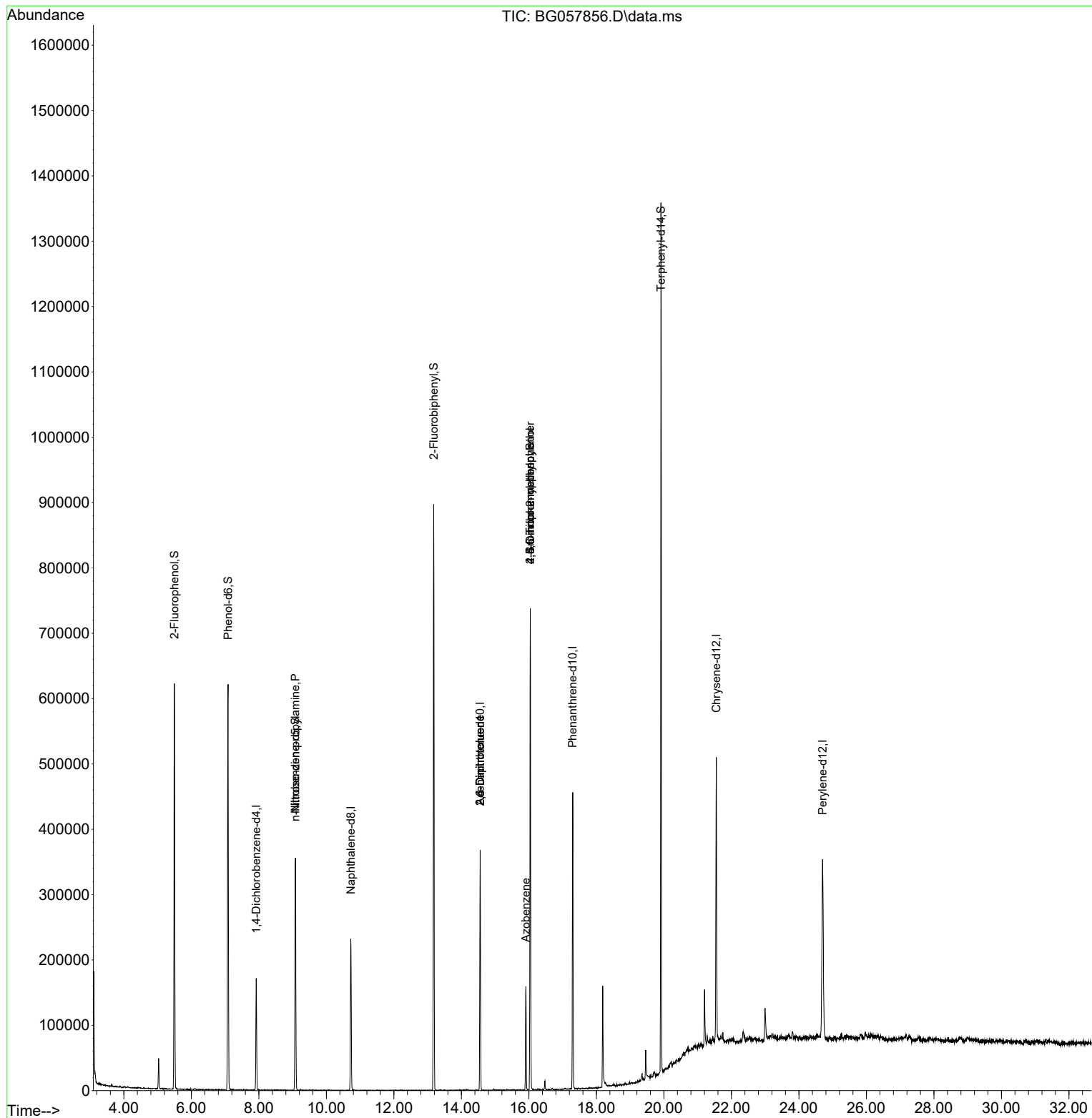
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	46561	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	195893	20.000	ng	0.00
39) Acenaphthene-d10	14.554	164	128393	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	285241	20.000	ng	0.00
76) Chrysene-d12	21.552	240	246424	20.000	ng	0.00
86) Perylene-d12	24.701	264	300594	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.494	112	262293	86.861	ng	0.00
7) Phenol-d6	7.087	99	373483	81.058	ng	0.00
23) Nitrobenzene-d5	9.084	82	214448	56.185	ng	0.00
42) 2,4,6-Tribromophenol	16.041	330	157580	88.107	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	471201	55.664	ng	0.00
79) Terphenyl-d14	19.913	244	682242	51.625	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.078	70	27127	8.445	ng	# 77
51) 2,6-Dinitrotoluene	14.554	165	16713	9.204	ng	# 18
57) 2,4-Dinitrotoluene	14.554	165	16713	6.787	ng	# 18
63) Azobenzene	15.911	77	45665	4.413	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.041	198	299	5.515	ng	# 1
67) 4-Bromophenyl-phenylether	16.041	248	10243	3.386	ng	# 1

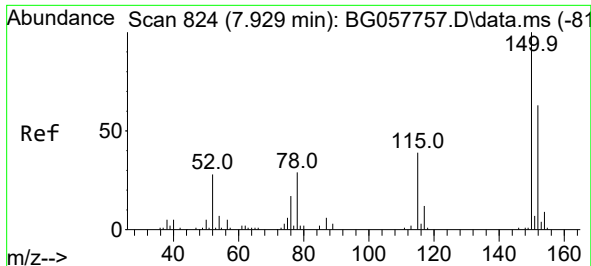
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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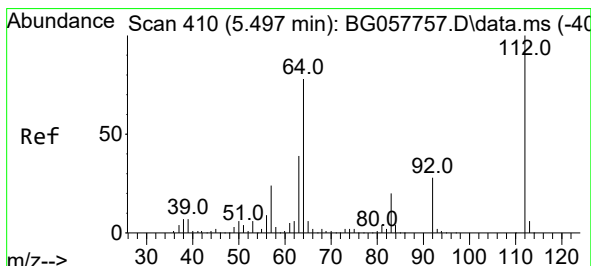
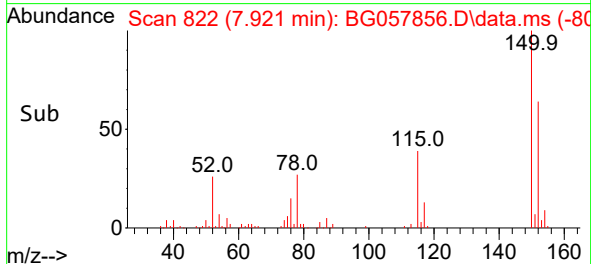
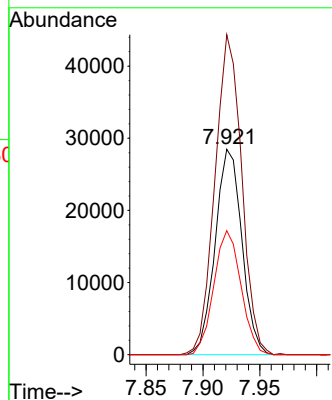
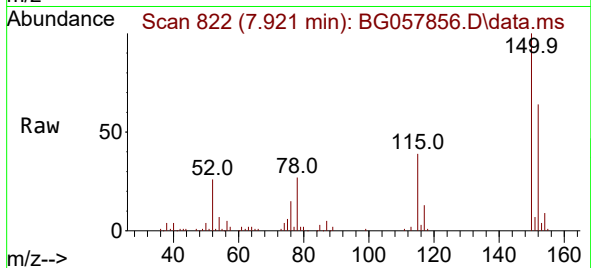




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.921 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057856.D
Acq: 24 Jun 2023 00:50

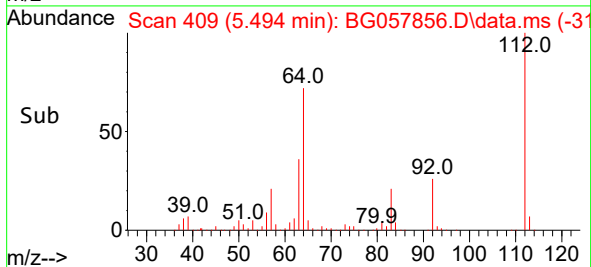
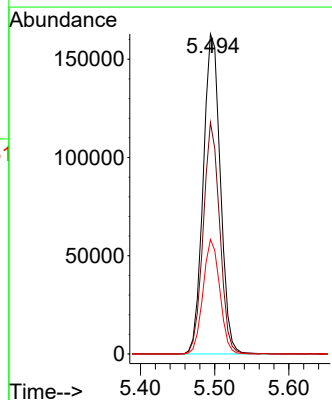
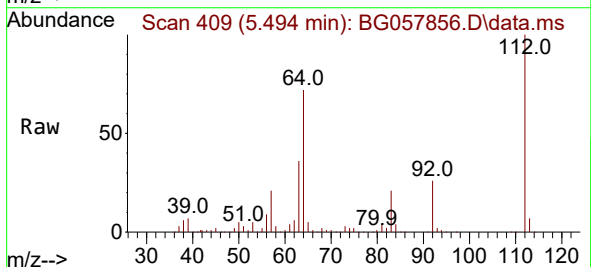
Instrument :
BNA_G
ClientSampleId :
WC-1

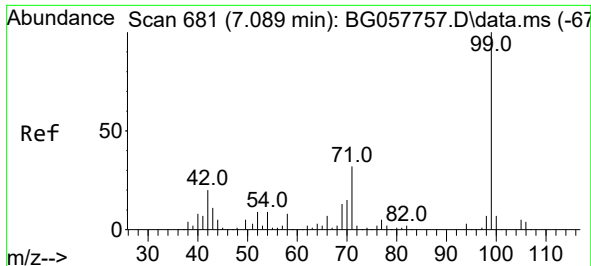
Tgt Ion:152 Resp: 46561
Ion Ratio Lower Upper
152 100
150 155.8 126.6 189.8
115 60.3 48.9 73.3



#5
2-Fluorophenol
Concen: 86.861 ng
RT: 5.494 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057856.D
Acq: 24 Jun 2023 00:50

Tgt Ion:112 Resp: 262293
Ion Ratio Lower Upper
112 100
64 72.3 62.1 93.1
63 35.8 31.5 47.3

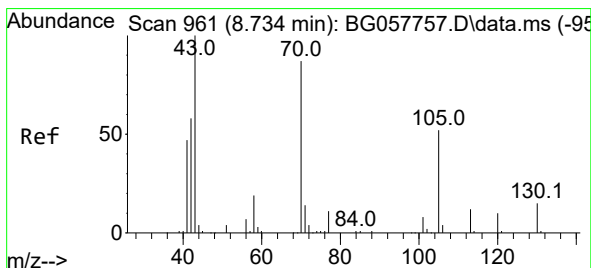
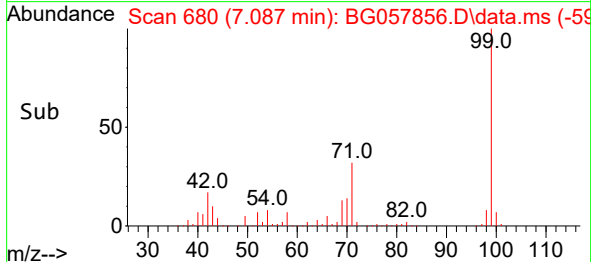
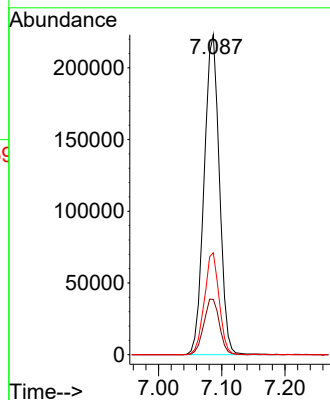
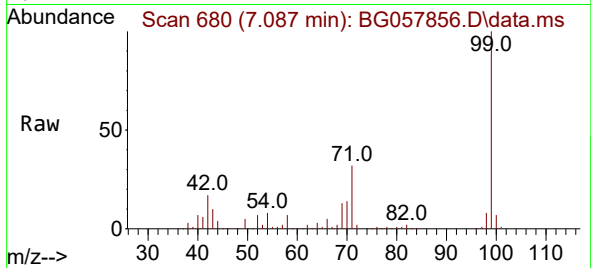




#7
Phenol-d6
Concen: 81.058 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057856.D
Acq: 24 Jun 2023 00:50

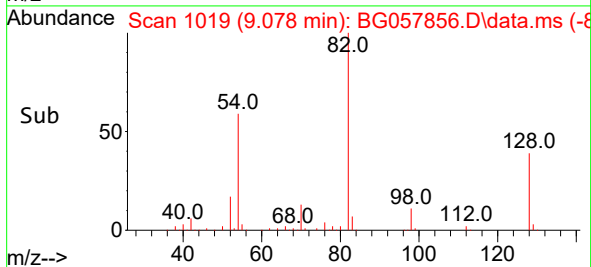
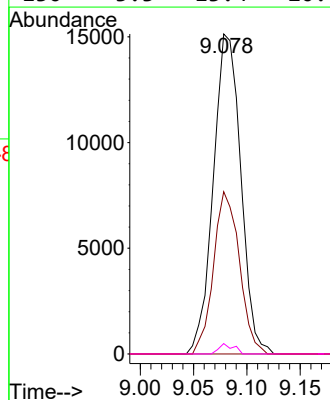
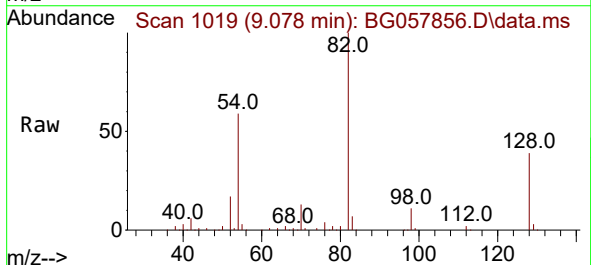
Instrument :
BNA_G
ClientSampleId :
WC-1

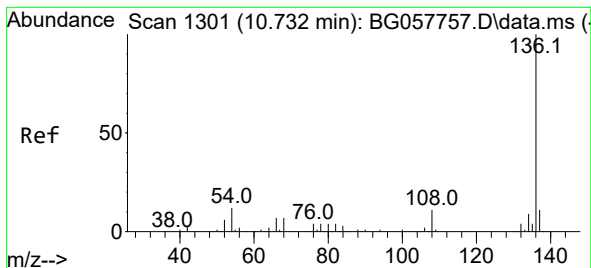
Tgt Ion: 99 Resp: 373483
Ion Ratio Lower Upper
99 100
42 17.3 16.4 24.6
71 31.8 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.445 ng
RT: 9.078 min Scan# 1019
Delta R.T. 0.344 min
Lab File: BG057856.D
Acq: 24 Jun 2023 00:50

Tgt Ion: 70 Resp: 27127
Ion Ratio Lower Upper
70 100
42 50.7 54.2 81.2#
101 0.0 7.4 11.0#
130 3.3 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.723 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

Instrument :

BNA_G

ClientSampleId :

WC-1

Tgt Ion:136 Resp: 195893

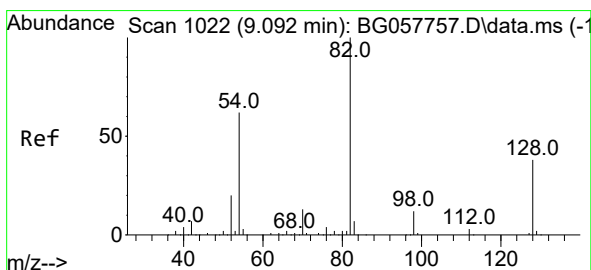
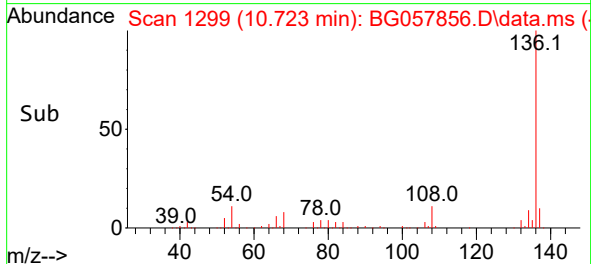
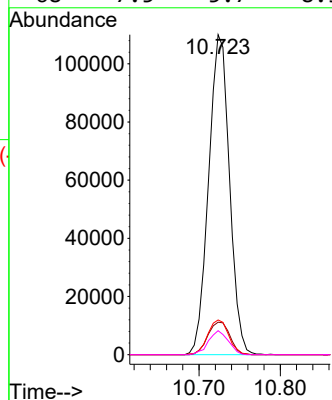
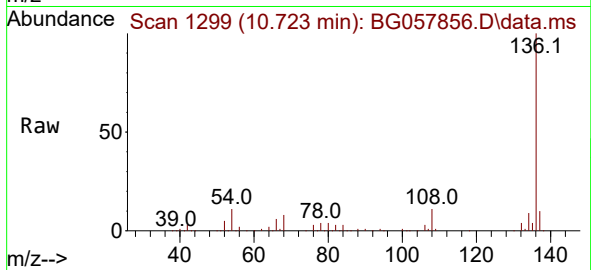
Ion Ratio Lower Upper

136 100

137 10.1 8.5 12.7

54 10.9 9.5 14.3

68 7.5 5.7 8.5



#23

Nitrobenzene-d5

Concen: 56.185 ng

RT: 9.084 min Scan# 1020

Delta R.T. -0.008 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

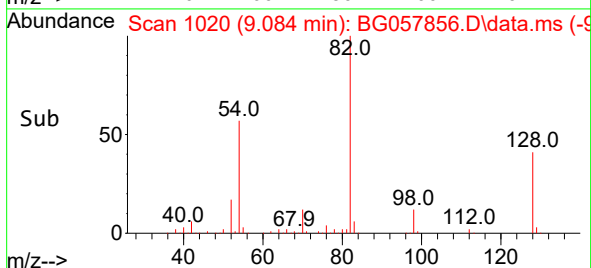
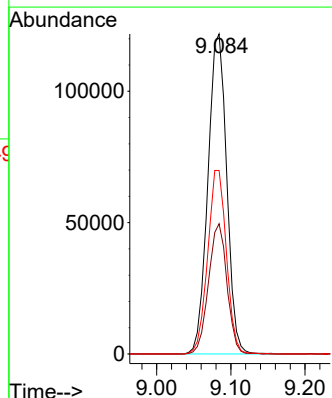
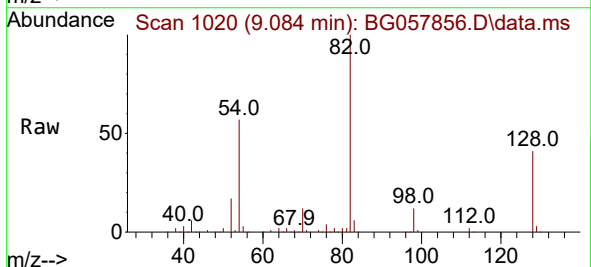
Tgt Ion: 82 Resp: 214448

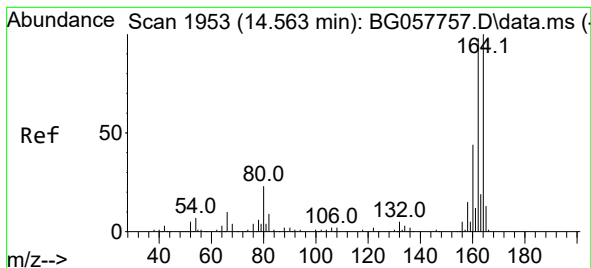
Ion Ratio Lower Upper

82 100

128 40.7 30.7 46.1

54 57.3 49.6 74.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.008 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

Instrument :

BNA_G

ClientSampleId :

WC-1

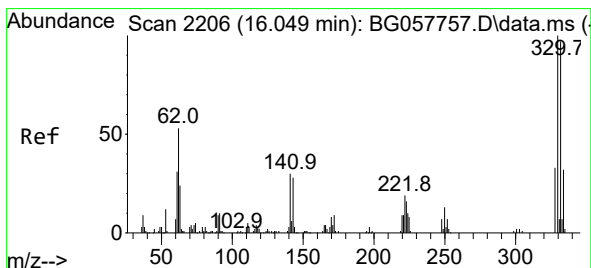
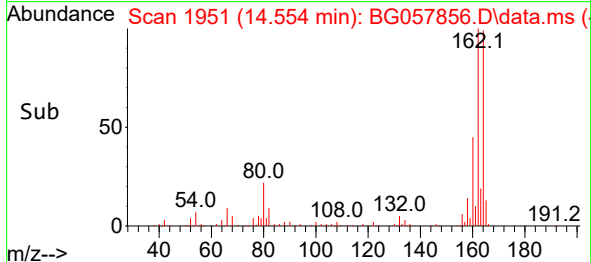
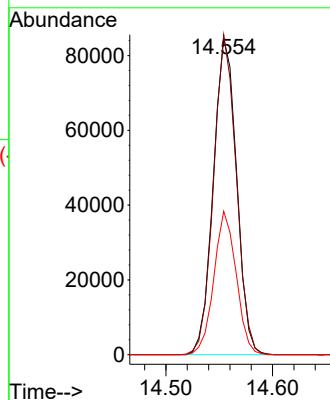
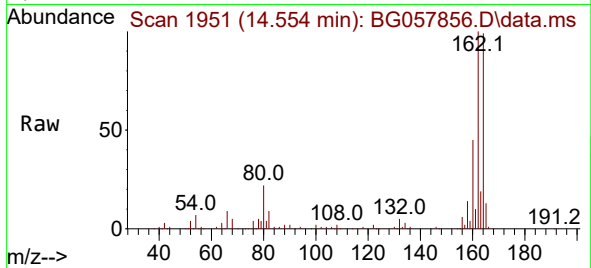
Tgt Ion:164 Resp: 128393

Ion Ratio Lower Upper

164 100

162 101.0 78.3 117.5

160 45.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 88.107 ng

RT: 16.041 min Scan# 2204

Delta R.T. -0.008 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

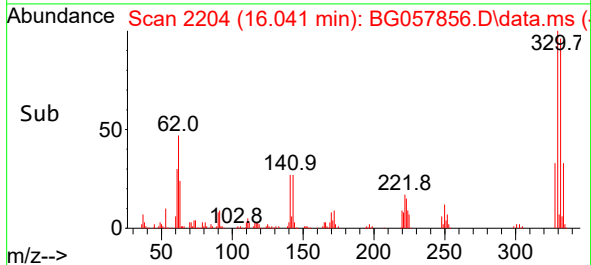
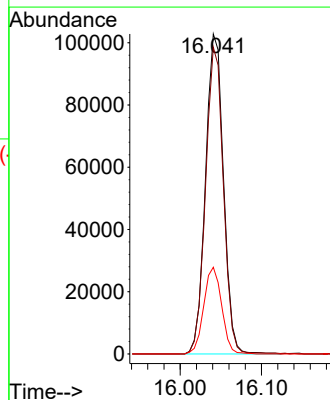
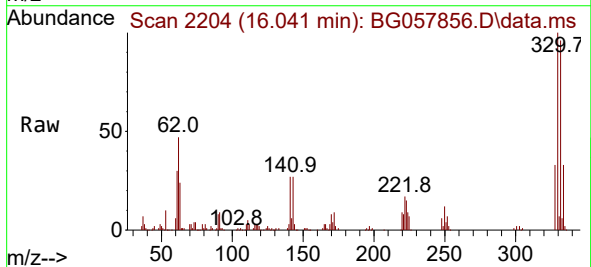
Tgt Ion:330 Resp: 157580

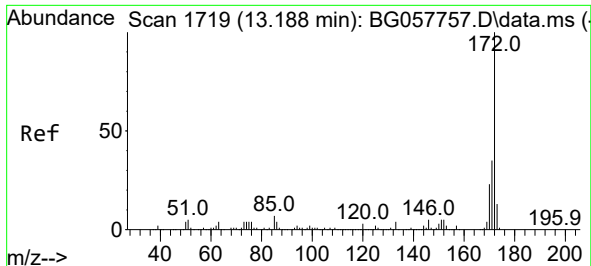
Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

141 27.0 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 55.664 ng

RT: 13.179 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

Instrument :

BNA_G

ClientSampleId :

WC-1

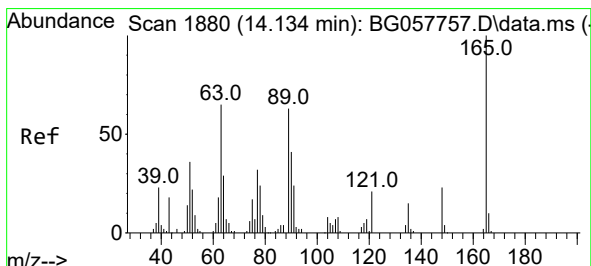
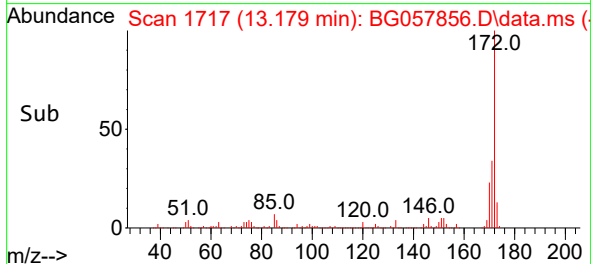
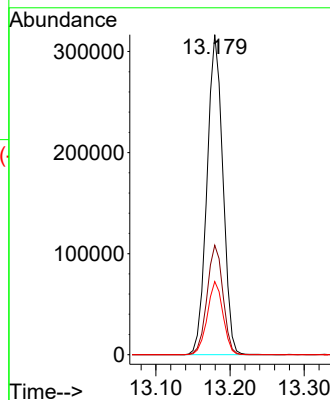
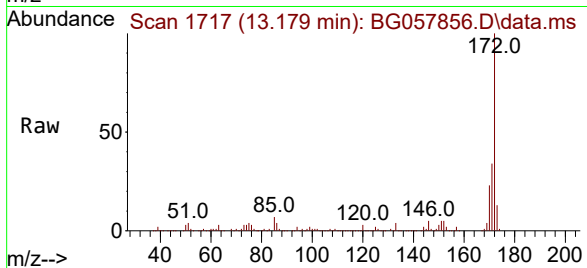
Tgt Ion:172 Resp: 471201

Ion Ratio Lower Upper

172 100

171 34.2 28.1 42.1

170 22.8 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.204 ng

RT: 14.554 min Scan# 1951

Delta R.T. 0.420 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

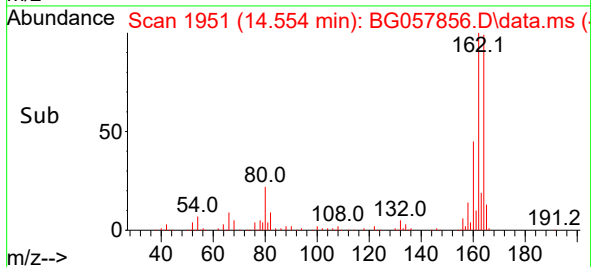
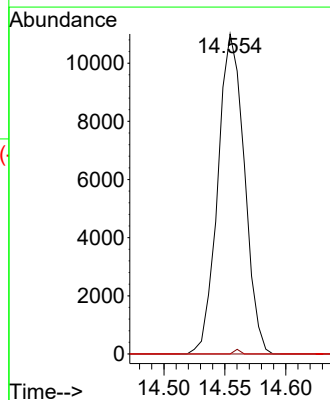
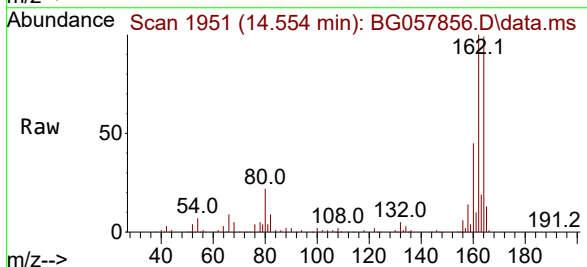
Tgt Ion:165 Resp: 16713

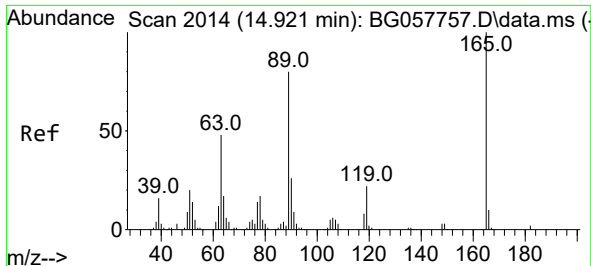
Ion Ratio Lower Upper

165 100

63 0.0 52.8 79.2#

89 0.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.787 ng

RT: 14.554 min Scan# 1951

Delta R.T. -0.367 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

Instrument :

BNA_G

ClientSampleId :

WC-1

Tgt Ion:165 Resp: 16713

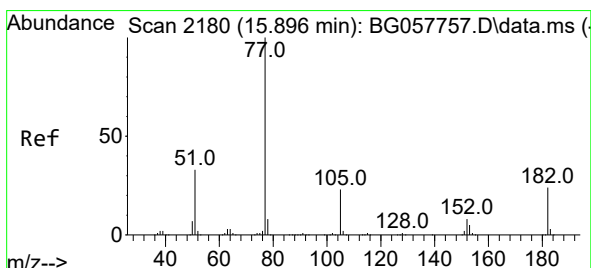
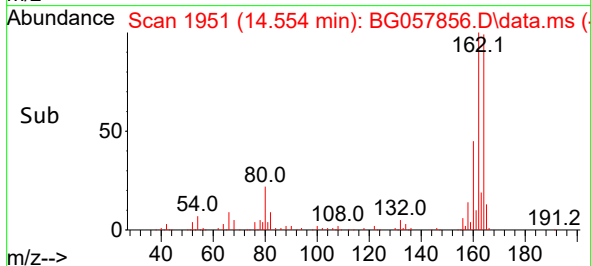
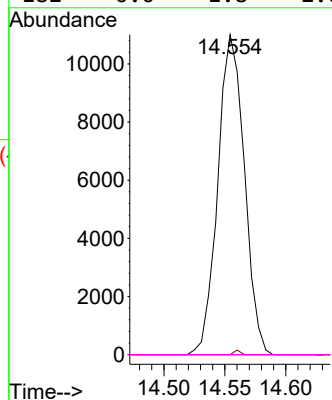
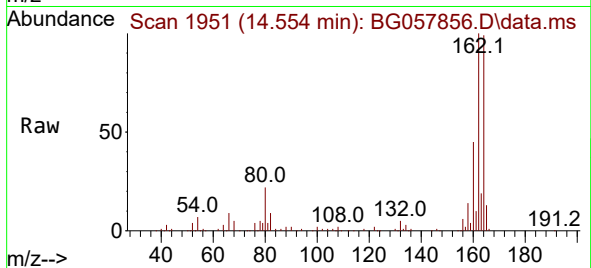
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 4.413 ng

RT: 15.911 min Scan# 2182

Delta R.T. 0.015 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

Tgt Ion: 77 Resp: 45665

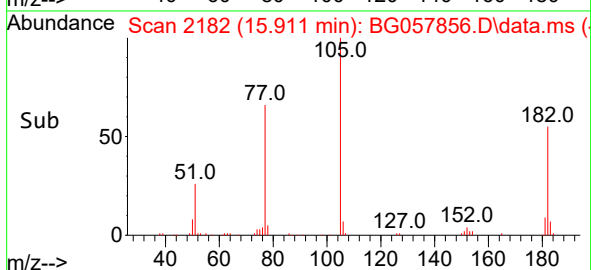
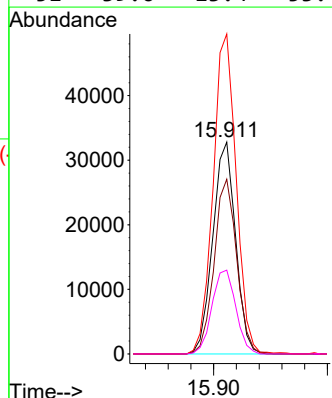
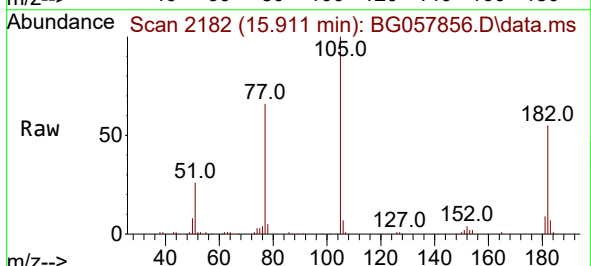
Ion Ratio Lower Upper

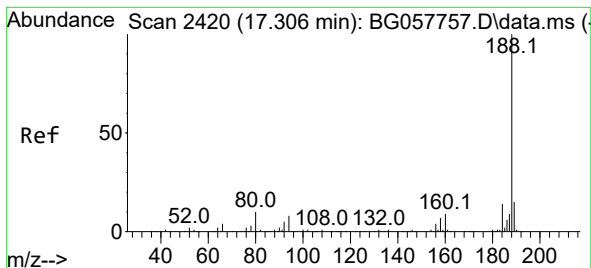
77 100

182 82.5 4.1 44.1#

105 151.1 3.3 43.3#

51 39.6 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 24

Delta R.T. -0.008 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

Instrument :

BNA_G

ClientSampleId :

WC-1

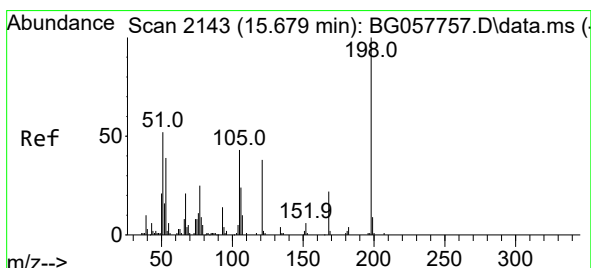
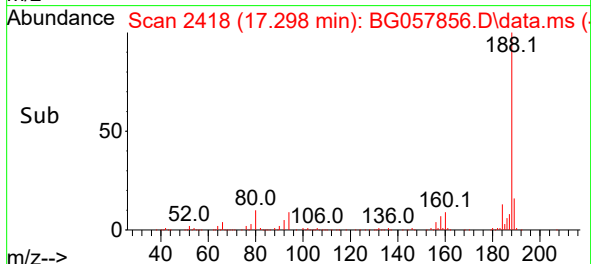
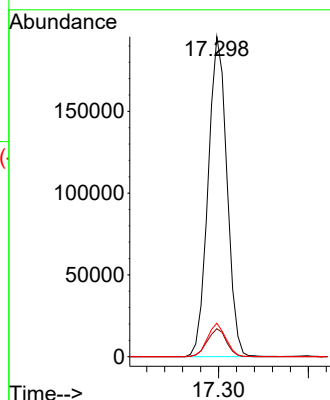
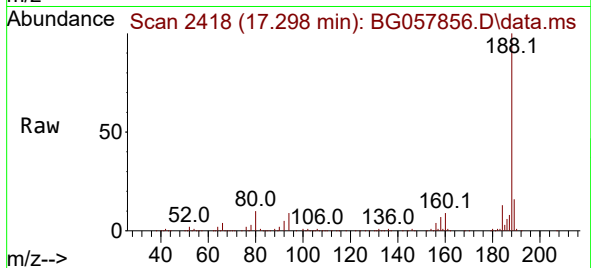
Tgt Ion:188 Resp: 285241

Ion Ratio Lower Upper

188 100

94 8.8 6.6 9.8

80 10.5 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.515 ng

RT: 16.041 min Scan# 2204

Delta R.T. 0.362 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

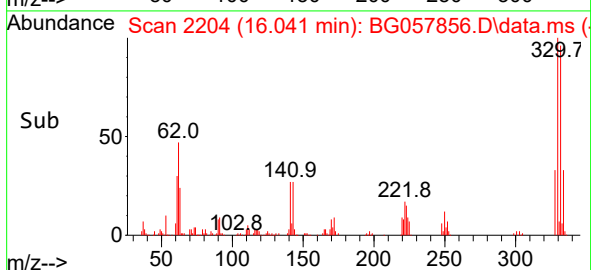
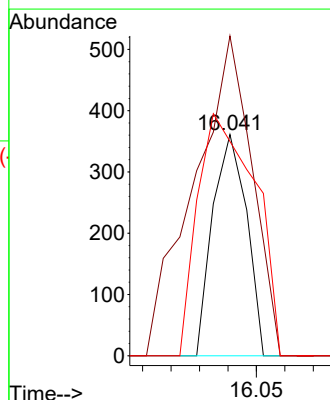
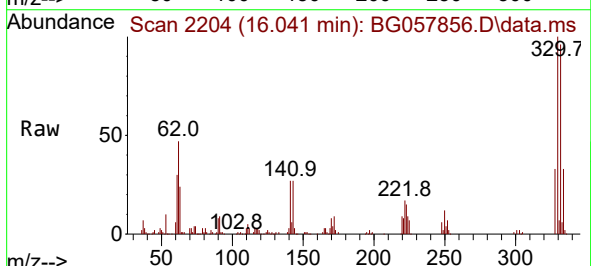
Tgt Ion:198 Resp: 299

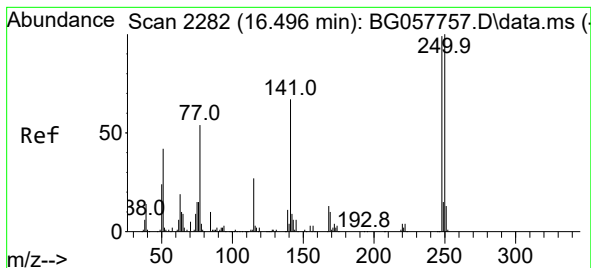
Ion Ratio Lower Upper

198 100

51 144.6 36.6 76.6#

105 97.0 24.3 64.3#

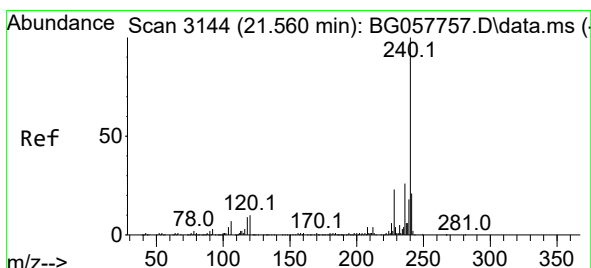
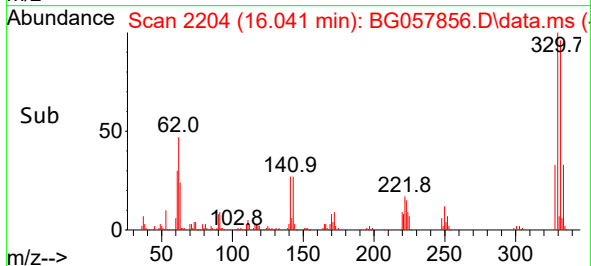
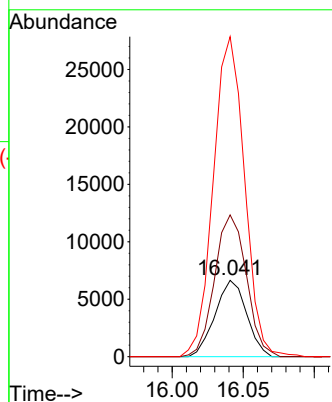
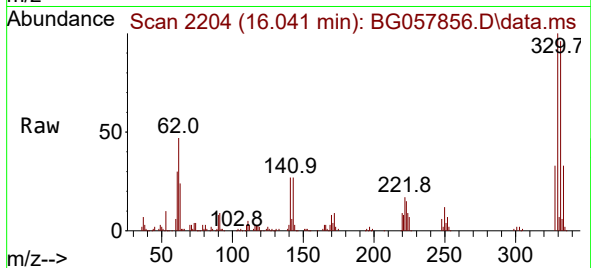




#67
4-Bromophenyl-phenylether
Concen: 3.386 ng
RT: 16.041 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG057856.D
Acq: 24 Jun 2023 00:50

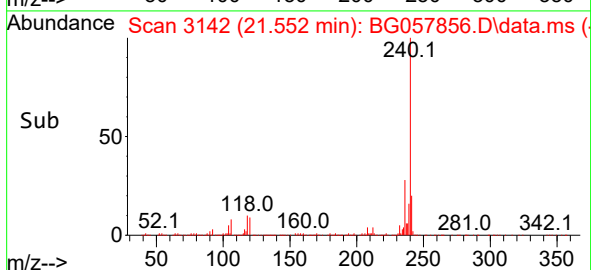
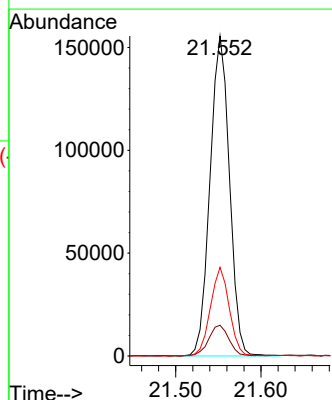
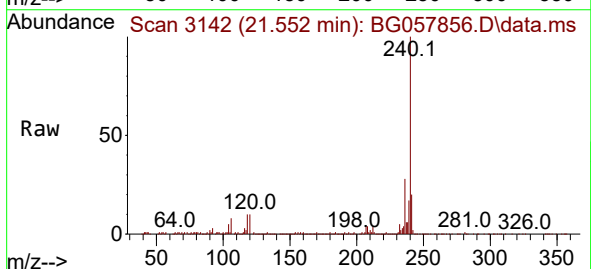
Instrument :
BNA_G
ClientSampleId :
WC-1

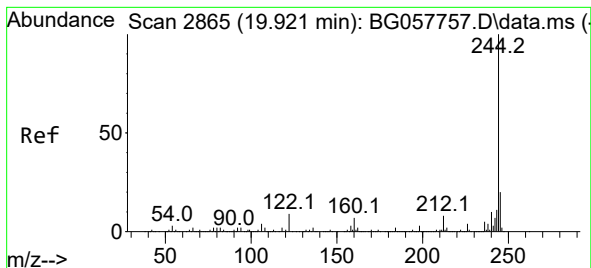
Tgt Ion:248 Resp: 10243
Ion Ratio Lower Upper
248 100
250 185.6 81.1 121.7#
141 419.1 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.552 min Scan# 3142
Delta R.T. -0.008 min
Lab File: BG057856.D
Acq: 24 Jun 2023 00:50

Tgt Ion:240 Resp: 246424
Ion Ratio Lower Upper
240 100
120 9.6 8.1 12.1
236 27.7 20.6 30.8





#79

Terphenyl-d14

Concen: 51.625 ng

RT: 19.913 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

Instrument :

BNA_G

ClientSampleId :

WC-1

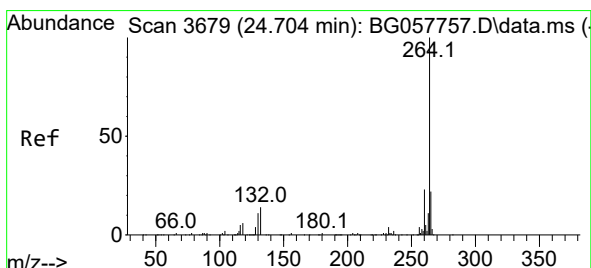
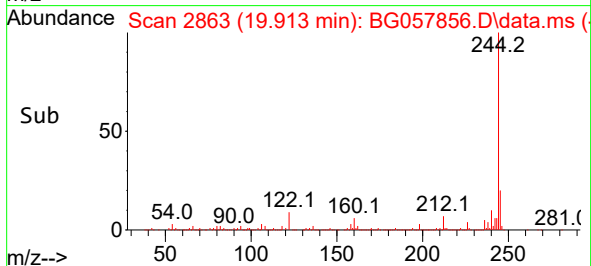
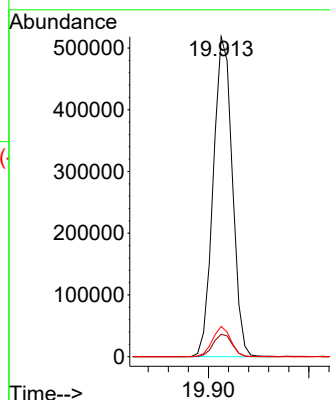
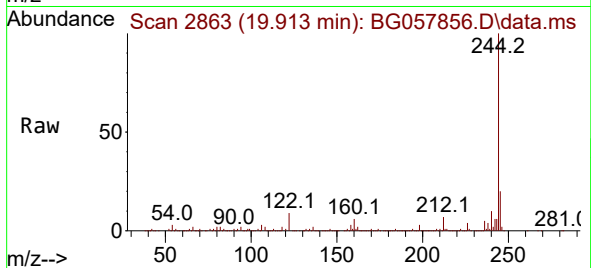
Tgt Ion:244 Resp: 682242

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 9.5 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.701 min Scan# 3678

Delta R.T. -0.002 min

Lab File: BG057856.D

Acq: 24 Jun 2023 00:50

Tgt Ion:264 Resp: 300594

Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 21.9 17.4 26.2

