

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057862.D
 Acq On : 24 Jun 2023 5:04
 Operator : CG/JU
 Sample : 03336-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-6

Quant Time: Jun 25 01:43:14 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)

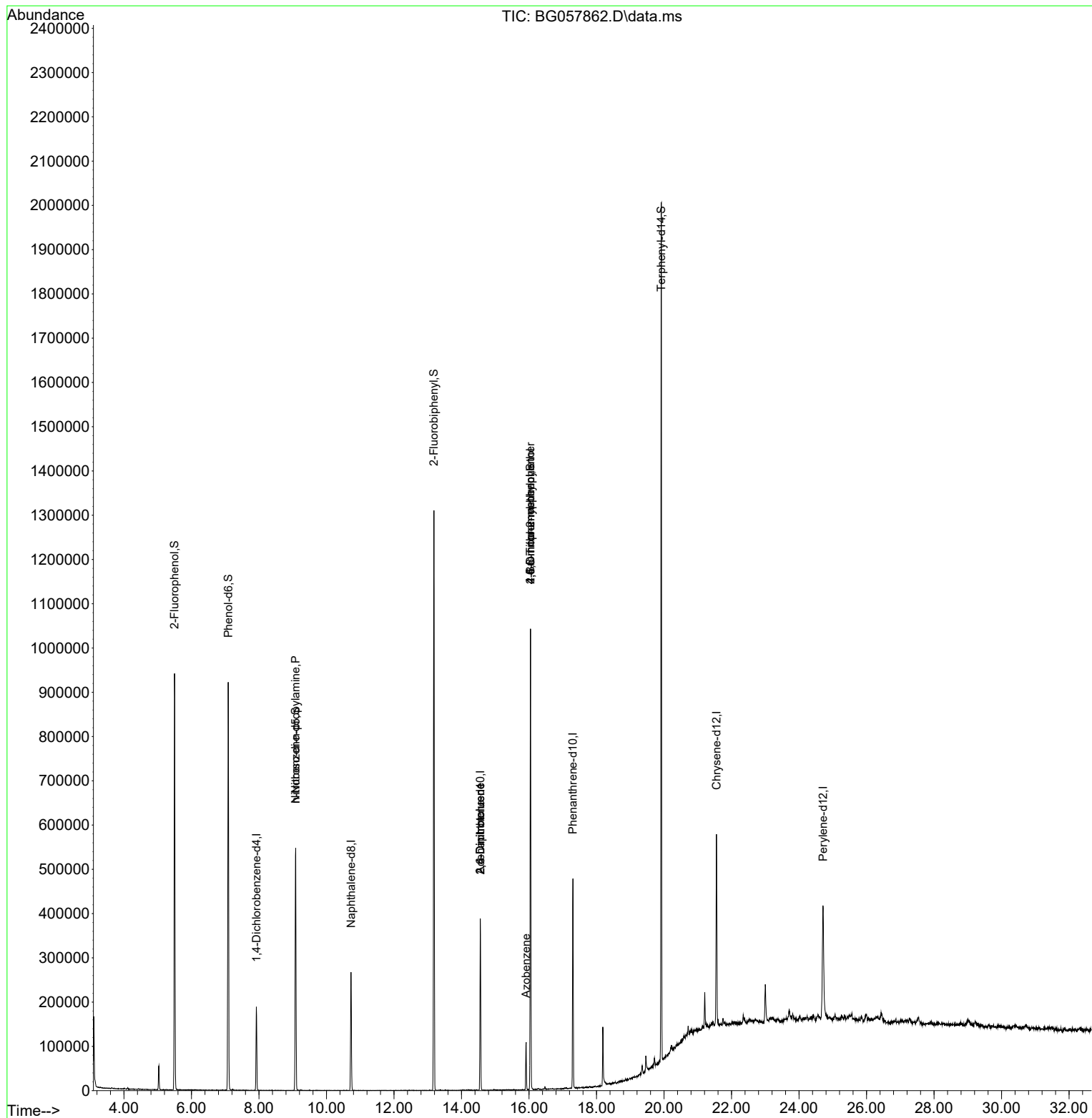
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	52323	20.000	ng	0.00
21) Naphthalene-d8	10.726	136	220930	20.000	ng	0.00
39) Acenaphthene-d10	14.556	164	138412	20.000	ng	0.00
64) Phenanthrene-d10	17.300	188	298941	20.000	ng	0.00
76) Chrysene-d12	21.554	240	250903	20.000	ng	0.00
86) Perylene-d12	24.709	264	302267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	400128	117.914	ng	0.00
7) Phenol-d6	7.089	99	550514	106.322	ng	0.00
23) Nitrobenzene-d5	9.086	82	332820	77.316	ng	0.00
42) 2,4,6-Tribromophenol	16.043	330	220999	114.622	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	719868	78.884	ng	0.00
79) Terphenyl-d14	19.921	244	1038442	77.175	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.086	70	41408	11.471	ng	# 75
51) 2,6-Dinitrotoluene	14.556	165	17750	9.067	ng	# 19
57) 2,4-Dinitrotoluene	14.556	165	17750	6.686	ng	# 19
63) Azobenzene	15.914	77	31016	2.780	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.043	198	433	5.592	ng	# 1
67) 4-Bromophenyl-phenylether	16.043	248	14187	4.475	ng	# 1

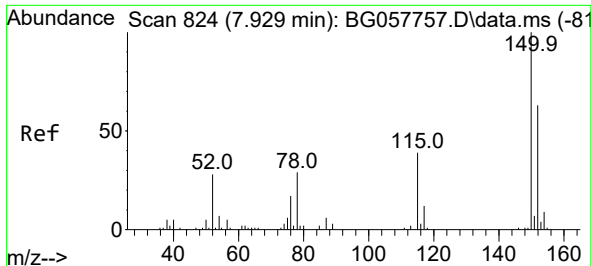
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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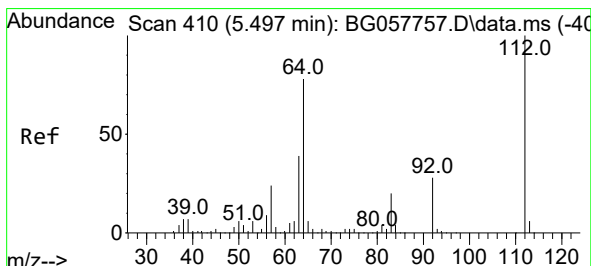
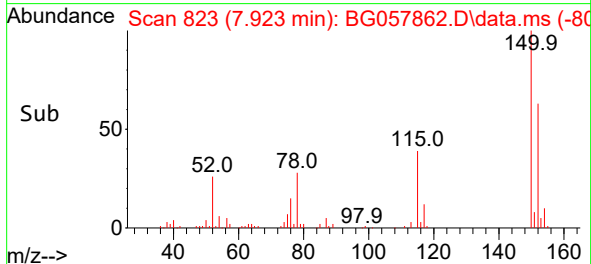
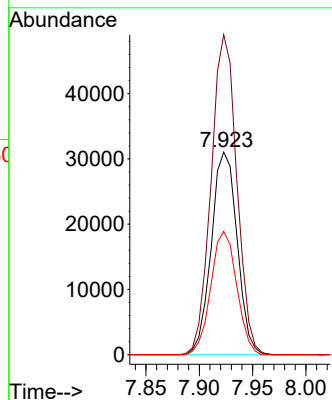
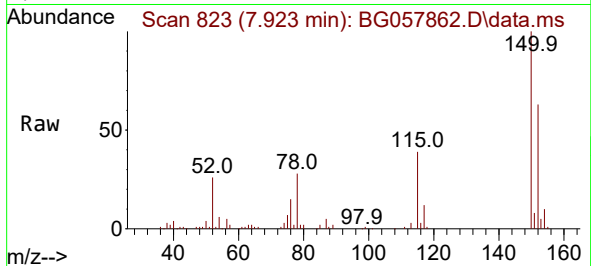




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057862.D
Acq: 24 Jun 2023 5:04

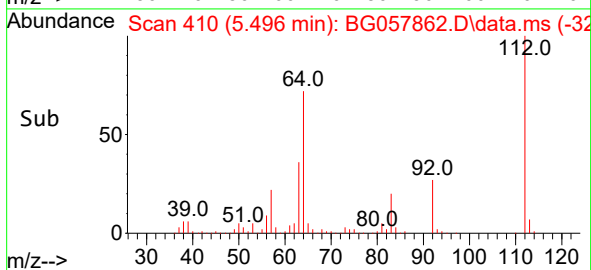
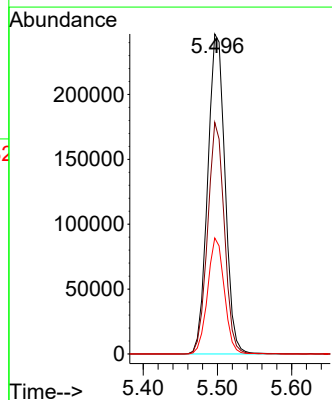
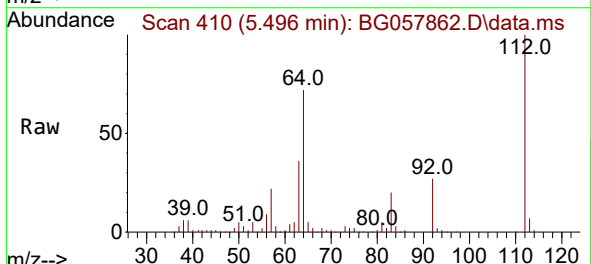
Instrument :
BNA_G
ClientSampleId :
WC-6

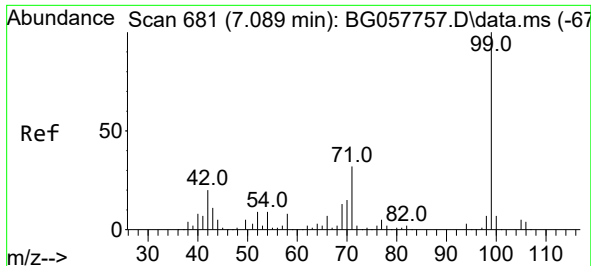
Tgt Ion:152 Resp: 52323
Ion Ratio Lower Upper
152 100
150 157.9 126.6 189.8
115 60.8 48.9 73.3



#5
2-Fluorophenol
Concen: 117.914 ng
RT: 5.496 min Scan# 410
Delta R.T. -0.001 min
Lab File: BG057862.D
Acq: 24 Jun 2023 5:04

Tgt Ion:112 Resp: 400128
Ion Ratio Lower Upper
112 100
64 72.3 62.1 93.1
63 36.3 31.5 47.3

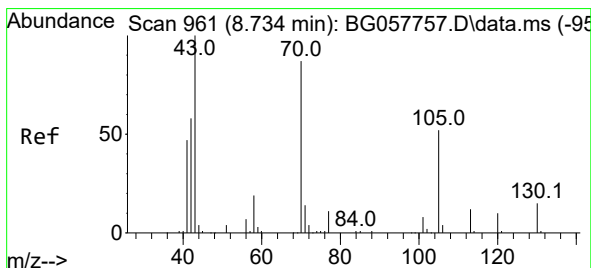
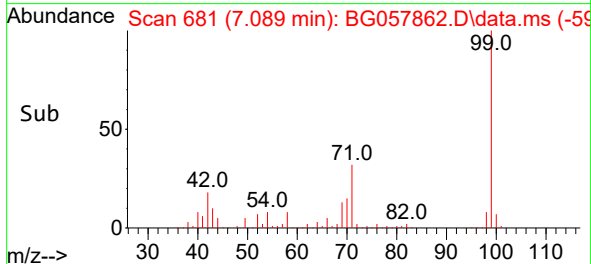
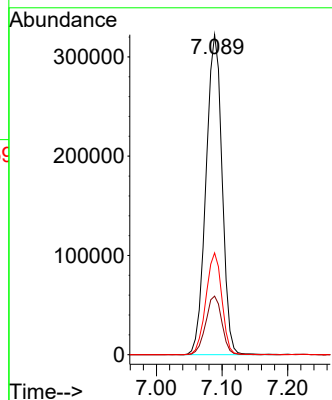
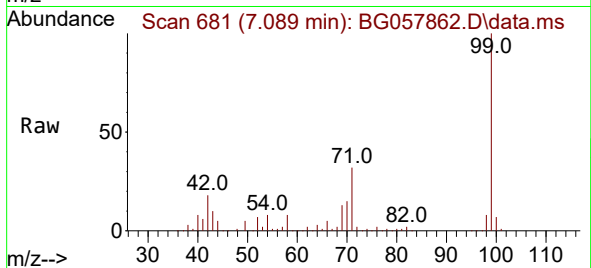




#7
Phenol-d6
Concen: 106.322 ng
RT: 7.089 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057862.D
Acq: 24 Jun 2023 5:04

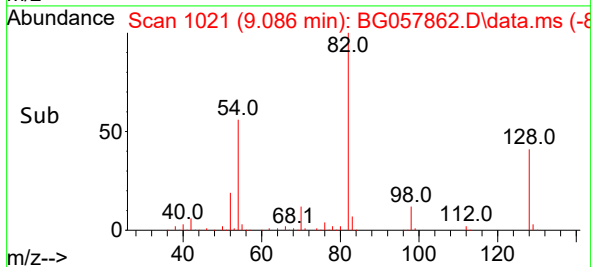
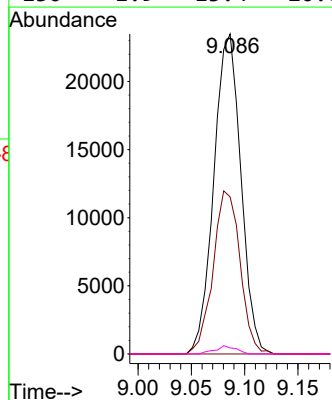
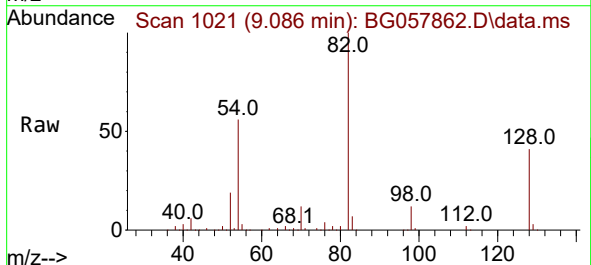
Instrument :
BNA_G
ClientSampleId :
WC-6

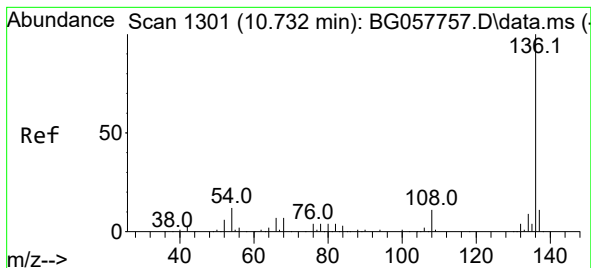
Tgt Ion: 99 Resp: 550514
Ion Ratio Lower Upper
99 100
42 18.3 16.4 24.6
71 31.8 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.471 ng
RT: 9.086 min Scan# 1021
Delta R.T. 0.352 min
Lab File: BG057862.D
Acq: 24 Jun 2023 5:04

Tgt Ion: 70 Resp: 41408
Ion Ratio Lower Upper
70 100
42 49.1 54.2 81.2#
101 0.0 7.4 11.0#
130 1.9 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.726 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG057862.D

Acq: 24 Jun 2023 5:04

Instrument :

BNA_G

ClientSampleId :

WC-6

Tgt Ion:136 Resp: 220930

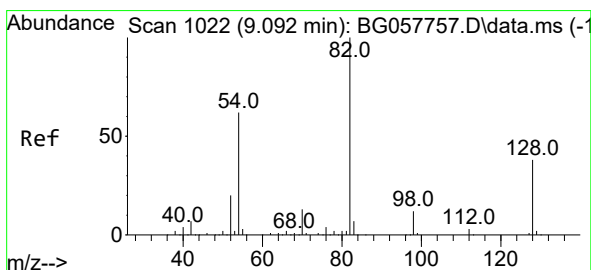
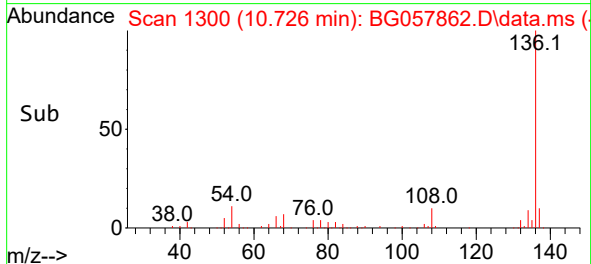
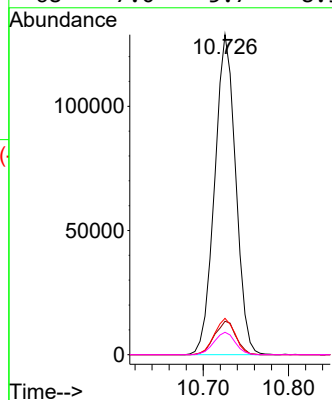
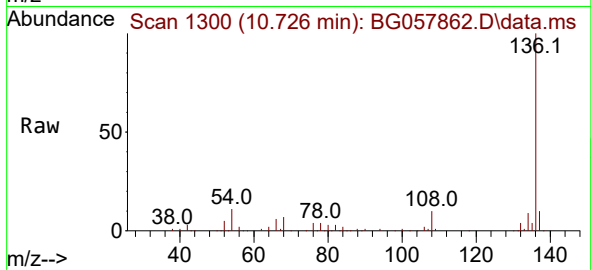
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 11.4 9.5 14.3

68 7.0 5.7 8.5



#23

Nitrobenzene-d5

Concen: 77.316 ng

RT: 9.086 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BG057862.D

Acq: 24 Jun 2023 5:04

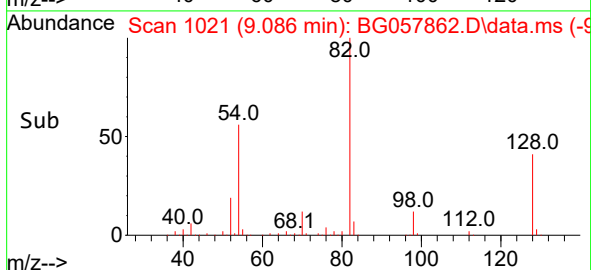
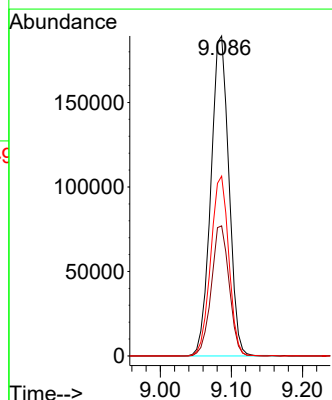
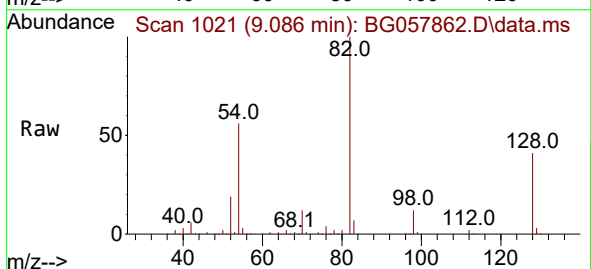
Tgt Ion: 82 Resp: 332820

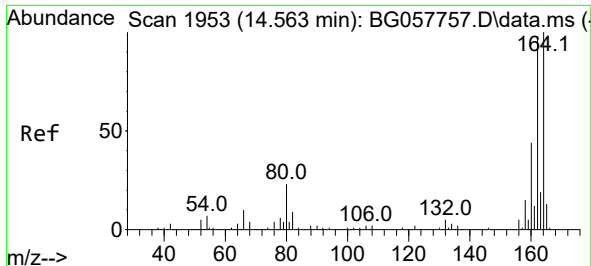
Ion Ratio Lower Upper

82 100

128 40.7 30.7 46.1

54 56.2 49.6 74.4

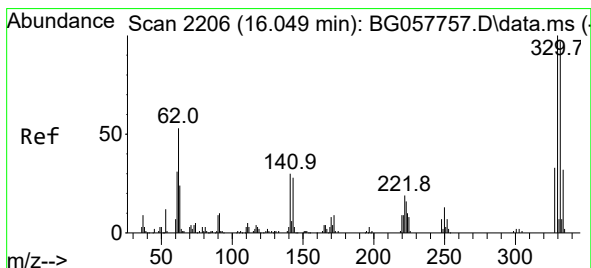
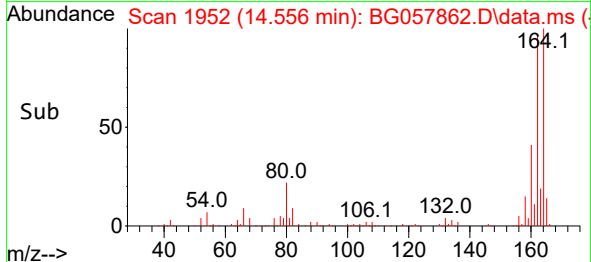
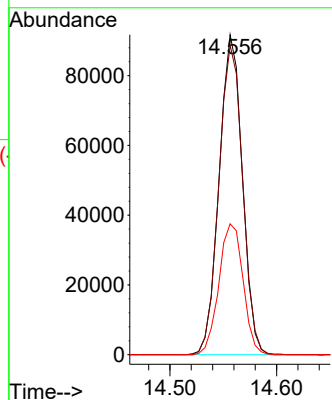
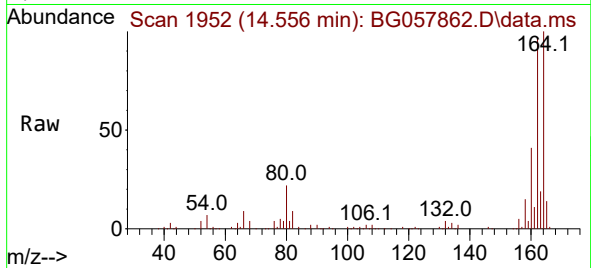




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG057862.D
Acq: 24 Jun 2023 5:04

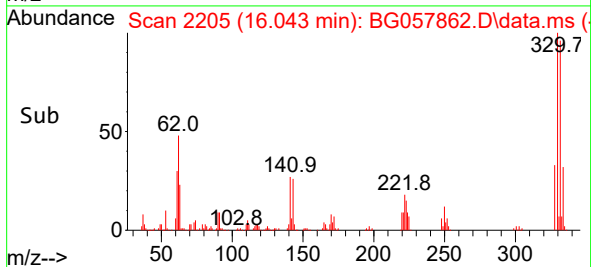
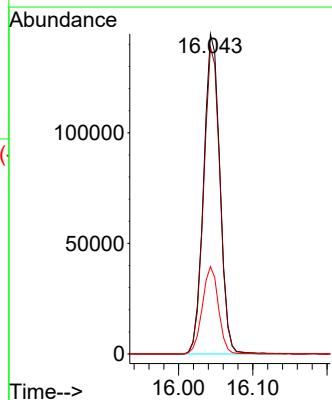
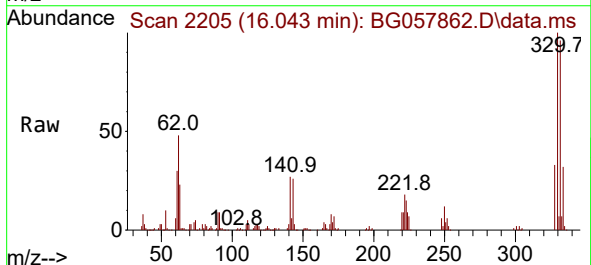
Instrument :
BNA_G
ClientSampleId :
WC-6

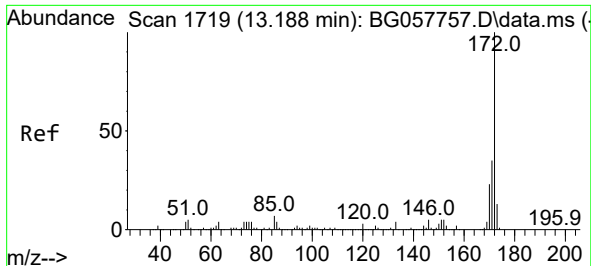
Tgt Ion:164 Resp: 138412
Ion Ratio Lower Upper
164 100
162 96.8 78.3 117.5
160 40.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 114.622 ng
RT: 16.043 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BG057862.D
Acq: 24 Jun 2023 5:04

Tgt Ion:330 Resp: 220999
Ion Ratio Lower Upper
330 100
332 95.7 76.6 115.0
141 27.0 24.7 37.1

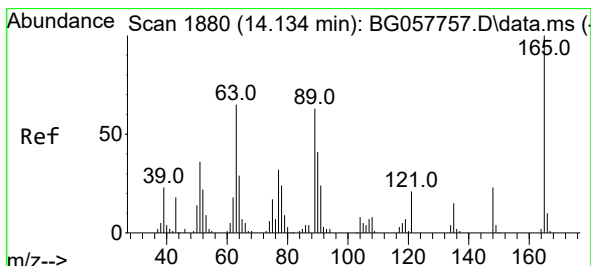
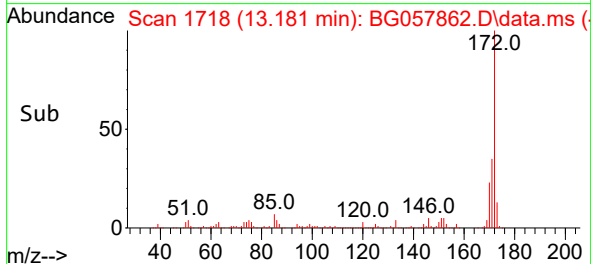
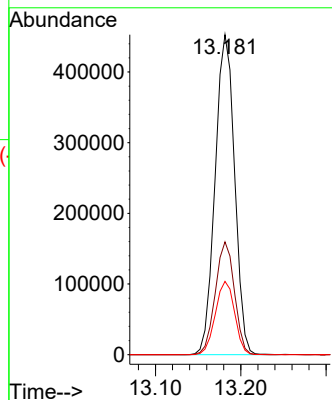
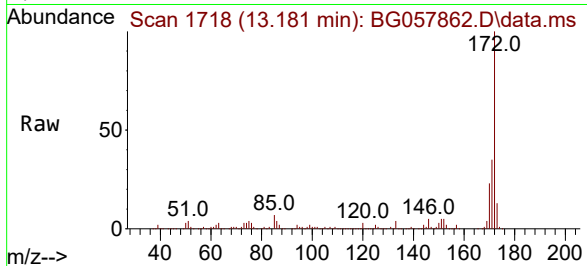




#45
2-Fluorobiphenyl
Concen: 78.884 ng
RT: 13.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG057862.D
Acq: 24 Jun 2023 5:04

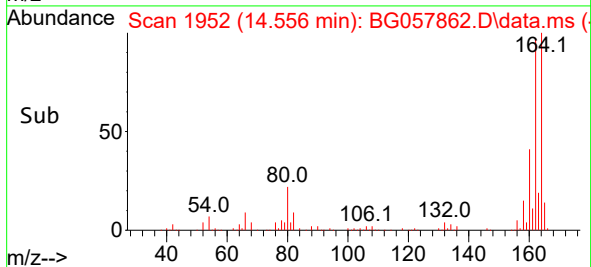
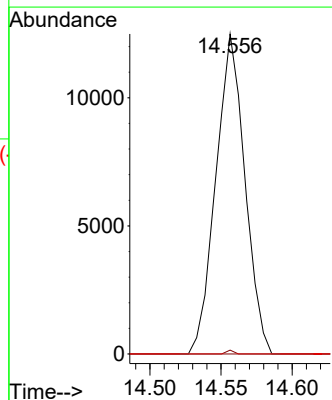
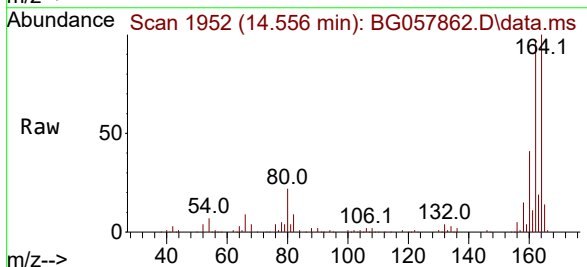
Instrument :
BNA_G
ClientSampleId :
WC-6

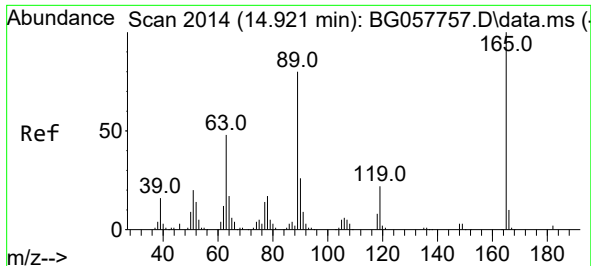
Tgt Ion:172 Resp: 719868
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 22.9 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.067 ng
RT: 14.556 min Scan# 1952
Delta R.T. 0.422 min
Lab File: BG057862.D
Acq: 24 Jun 2023 5:04

Tgt Ion:165 Resp: 17750
Ion Ratio Lower Upper
165 100
63 1.2 52.8 79.2#
89 0.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.686 ng

RT: 14.556 min Scan# 1952

Delta R.T. -0.365 min

Lab File: BG057862.D

Acq: 24 Jun 2023 5:04

Instrument :

BNA_G

ClientSampleId :

WC-6

Tgt Ion:165 Resp: 17750

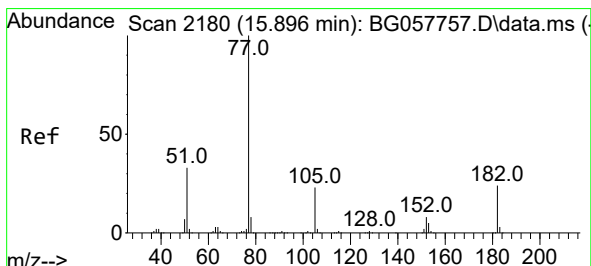
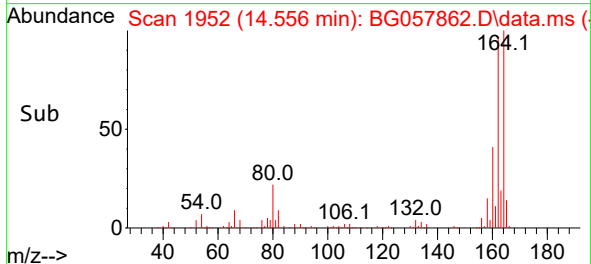
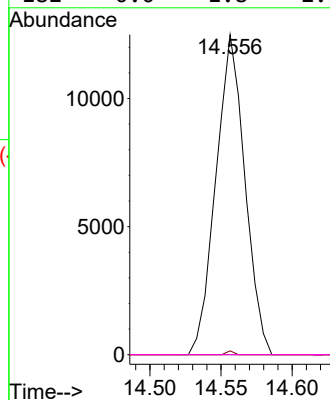
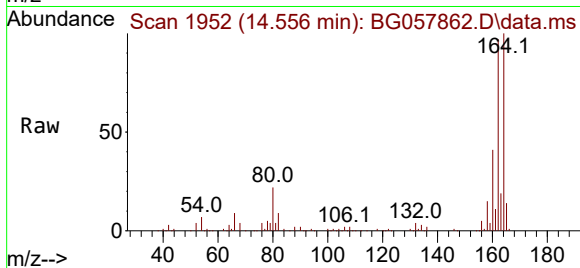
Ion Ratio Lower Upper

165 100

63 1.2 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 2.780 ng

RT: 15.914 min Scan# 2183

Delta R.T. 0.017 min

Lab File: BG057862.D

Acq: 24 Jun 2023 5:04

Tgt Ion: 77 Resp: 31016

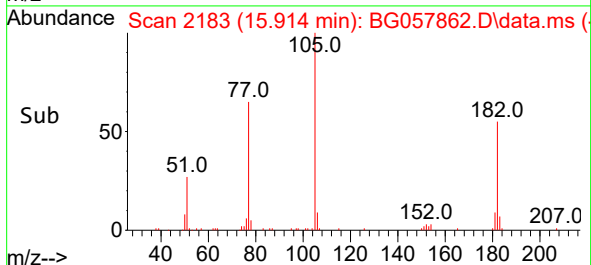
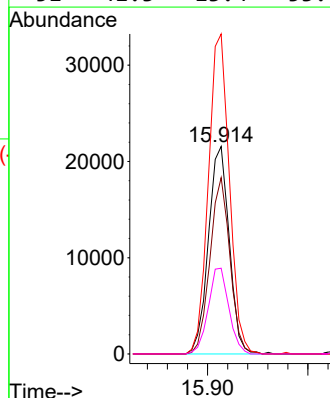
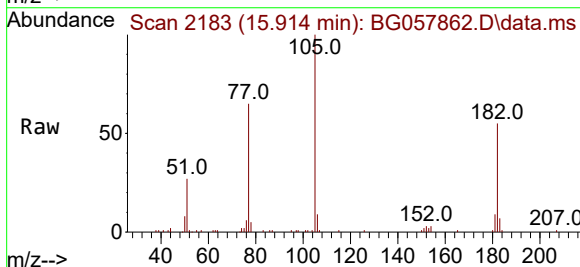
Ion Ratio Lower Upper

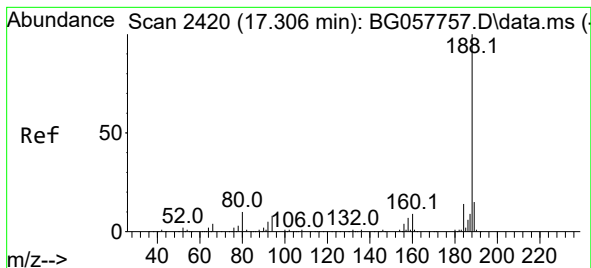
77 100

182 85.0 4.1 44.1#

105 154.2 3.3 43.3#

51 41.3 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: BG057862.D

Acq: 24 Jun 2023 5:04

Instrument :

BNA_G

ClientSampleId :

WC-6

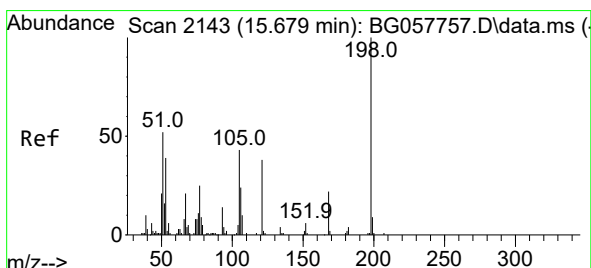
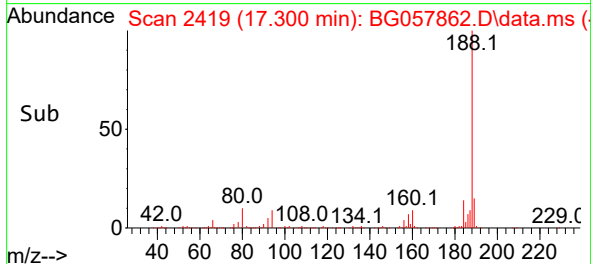
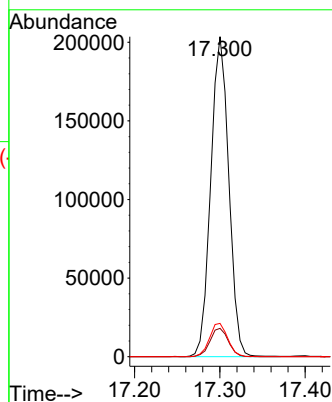
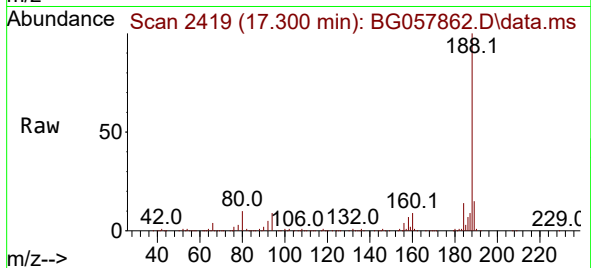
Tgt Ion:188 Resp: 298941

Ion Ratio Lower Upper

188 100

94 8.9 6.6 9.8

80 10.4 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.592 ng

RT: 16.043 min Scan# 2205

Delta R.T. 0.364 min

Lab File: BG057862.D

Acq: 24 Jun 2023 5:04

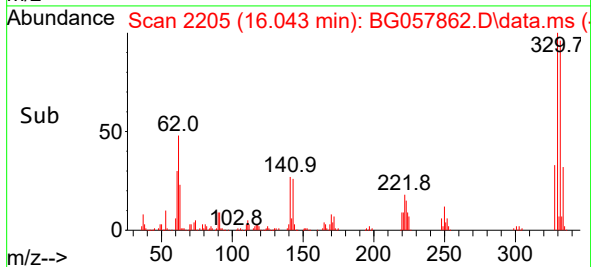
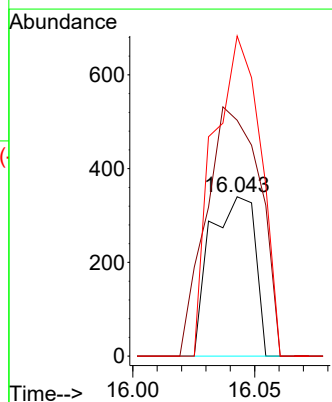
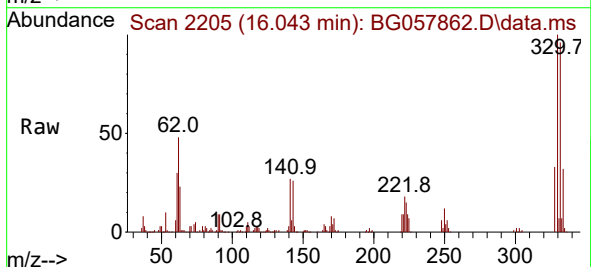
Tgt Ion:198 Resp: 433

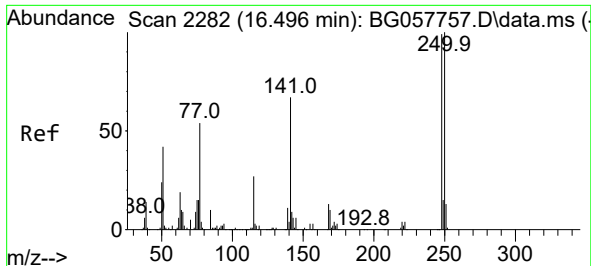
Ion Ratio Lower Upper

198 100

51 147.9 36.6 76.6#

105 200.9 24.3 64.3#

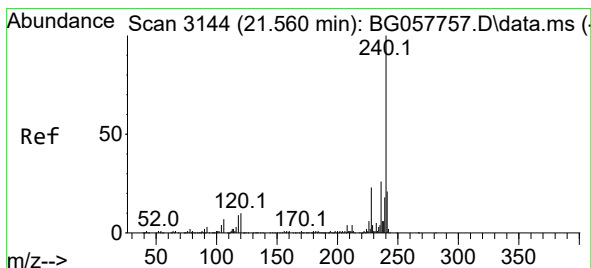
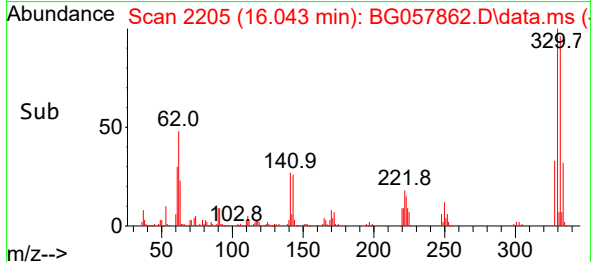
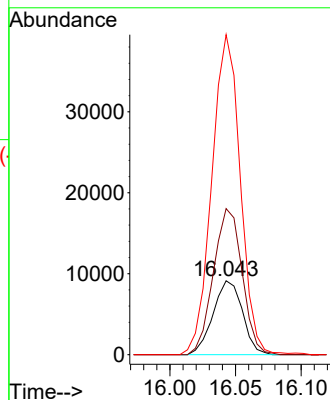
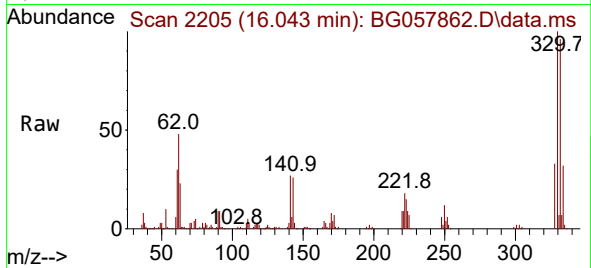




#67
4-Bromophenyl-phenylether
Concen: 4.475 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG057862.D
Acq: 24 Jun 2023 5:04

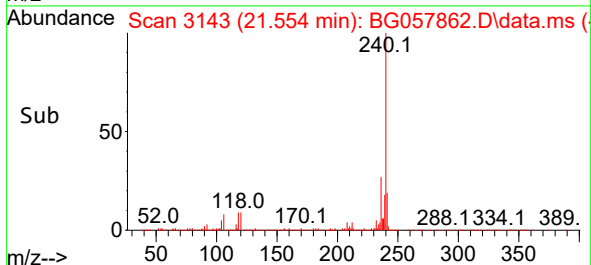
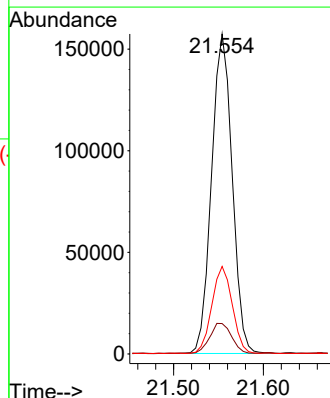
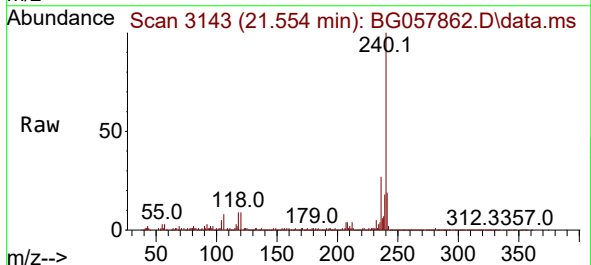
Instrument :
BNA_G
ClientSampleId :
WC-6

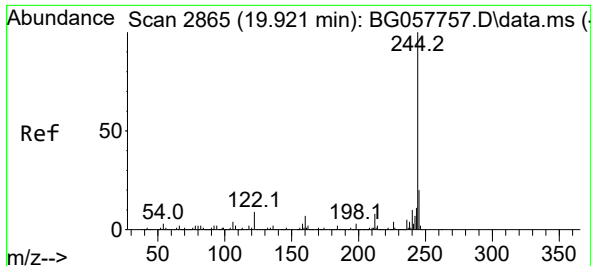
Tgt Ion:248 Resp: 14187
Ion Ratio Lower Upper
248 100
250 197.5 81.1 121.7#
141 432.8 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.554 min Scan# 3143
Delta R.T. -0.006 min
Lab File: BG057862.D
Acq: 24 Jun 2023 5:04

Tgt Ion:240 Resp: 250903
Ion Ratio Lower Upper
240 100
120 9.5 8.1 12.1
236 27.4 20.6 30.8

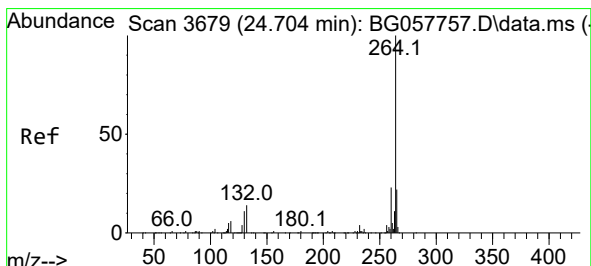
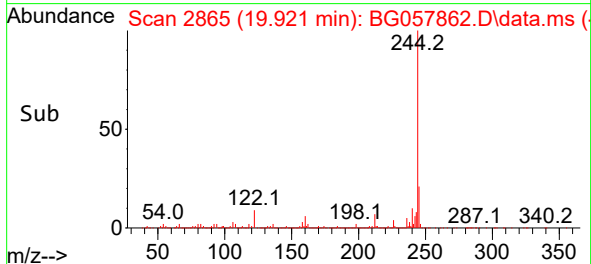
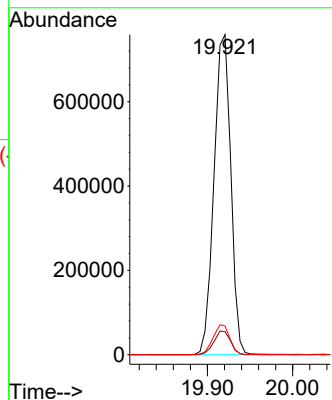
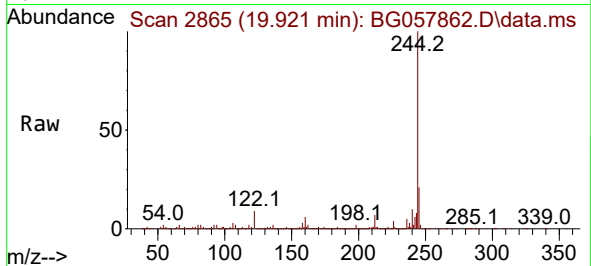




#79
 Terphenyl-d14
 Concen: 77.175 ng
 RT: 19.921 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG057862.D
 Acq: 24 Jun 2023 5:04

Instrument :
 BNA_G
 ClientSampleId :
 WC-6

Tgt Ion:244 Resp: 1038442
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 8.9 7.6 11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.709 min Scan# 3680
 Delta R.T. 0.006 min
 Lab File: BG057862.D
 Acq: 24 Jun 2023 5:04

Tgt Ion:264 Resp: 302267
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.5 27.7
 265 21.2 17.4 26.2

