

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057860.D
 Acq On : 24 Jun 2023 3:40
 Operator : CG/JU
 Sample : 03337-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-7

Quant Time: Jun 25 01:42:45 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)

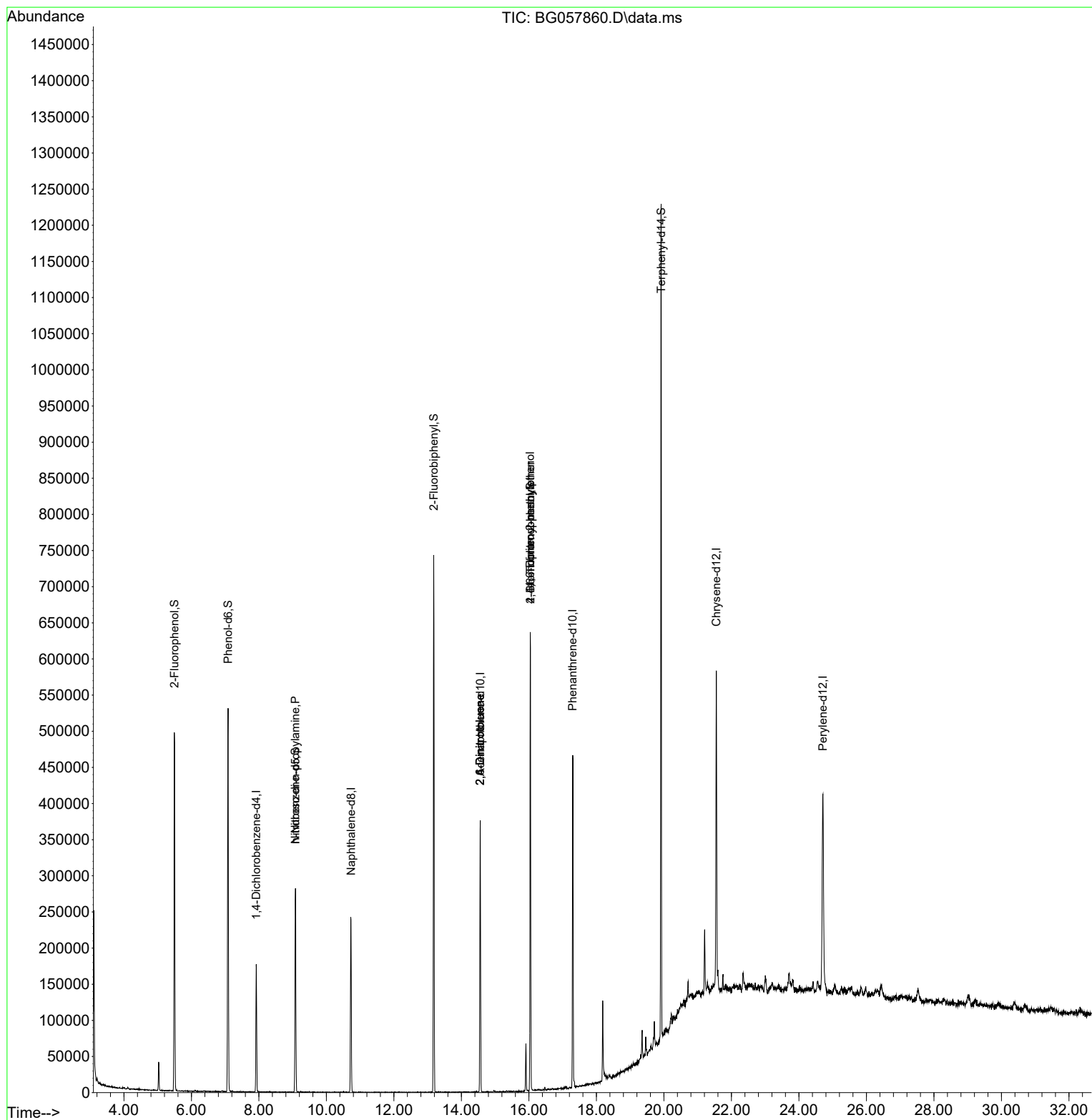
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.920	152	49444	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	206496	20.000	ng	0.00
39) Acenaphthene-d10	14.559	164	133100	20.000	ng	0.00
64) Phenanthrene-d10	17.297	188	296979	20.000	ng	0.00
76) Chrysene-d12	21.551	240	250379	20.000	ng	0.00
86) Perylene-d12	24.706	264	309961	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	215191	67.107	ng	0.00
7) Phenol-d6	7.086	99	317398	64.869	ng	0.00
23) Nitrobenzene-d5	9.083	82	171677	42.669	ng	0.00
42) 2,4,6-Tribromophenol	16.046	330	133140	71.809	ng	0.00
45) 2-Fluorobiphenyl	13.178	172	391676	44.634	ng	0.00
79) Terphenyl-d14	19.918	244	621263	46.268	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.083	70	21291	6.241	ng	# 77
51) 2,6-Dinitrotoluene	14.553	165	17760	9.434	ng	# 18
57) 2,4-Dinitrotoluene	14.553	165	17760	6.957	ng	# 18
65) 4,6-Dinitro-2-methylph...	16.040	198	223	5.457	ng	# 1
67) 4-Bromophenyl-phenylether	16.046	248	7998	2.539	ng	# 1

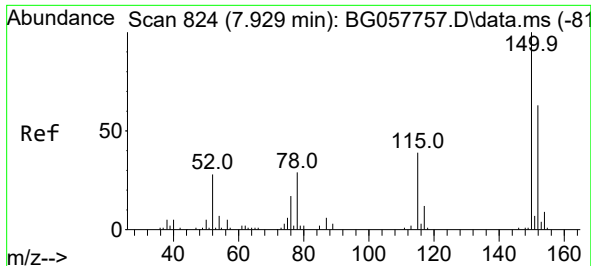
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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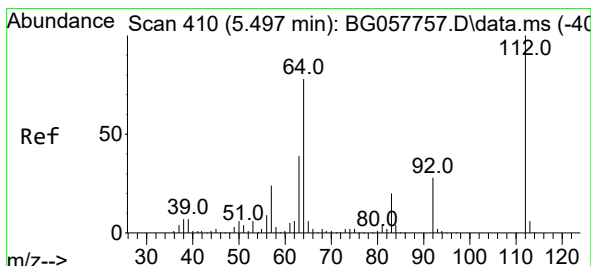
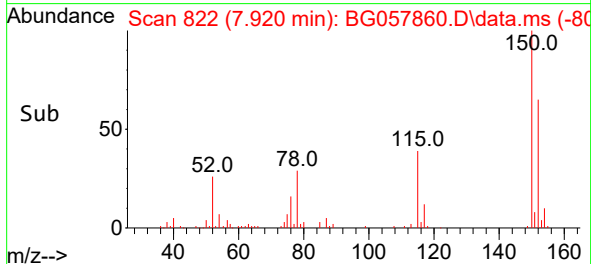
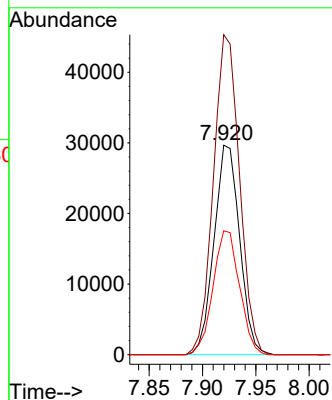
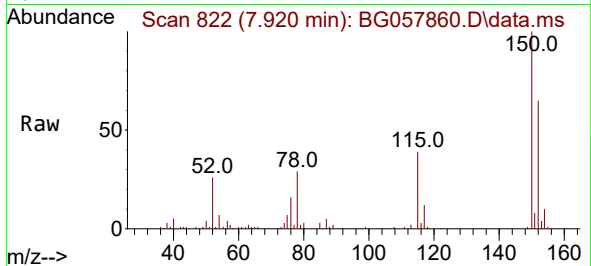




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.920 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

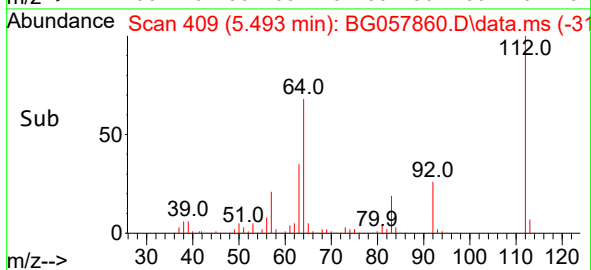
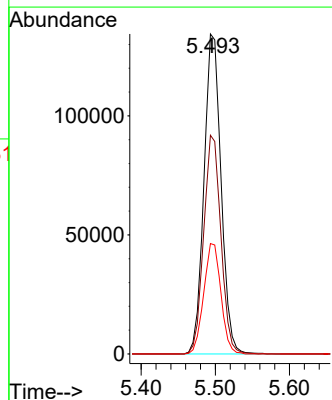
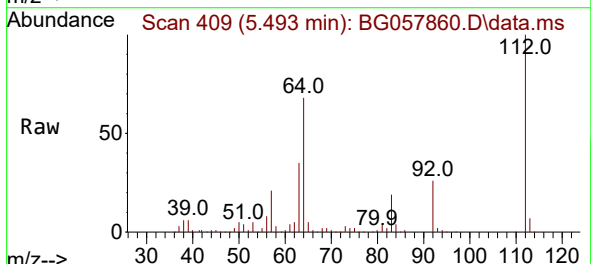
Instrument :
BNA_G
ClientSampleId :
WC-7

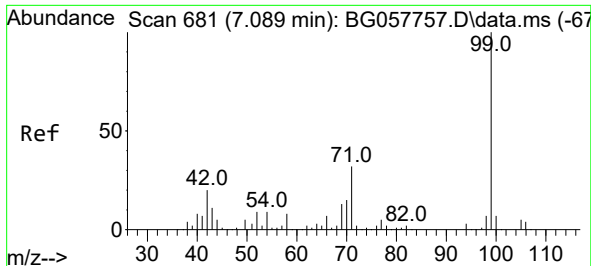
Tgt Ion:152 Resp: 49444
Ion Ratio Lower Upper
152 100
150 152.8 126.6 189.8
115 59.1 48.9 73.3



#5
2-Fluorophenol
Concen: 67.107 ng
RT: 5.493 min Scan# 409
Delta R.T. -0.004 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

Tgt Ion:112 Resp: 215191
Ion Ratio Lower Upper
112 100
64 68.3 62.1 93.1
63 34.5 31.5 47.3

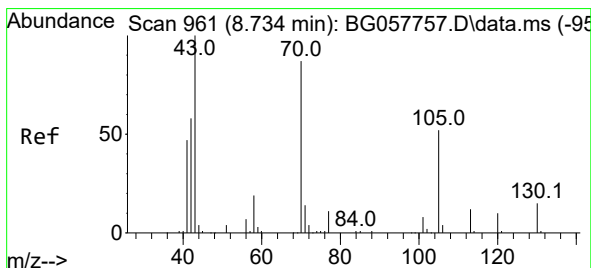
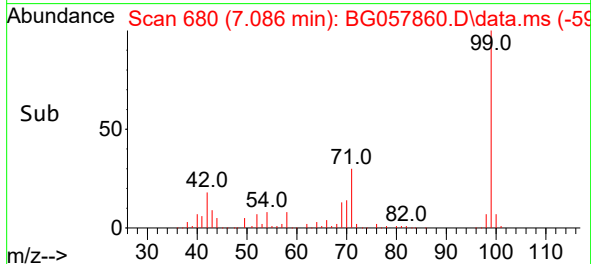
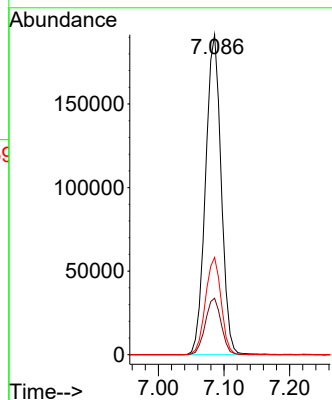
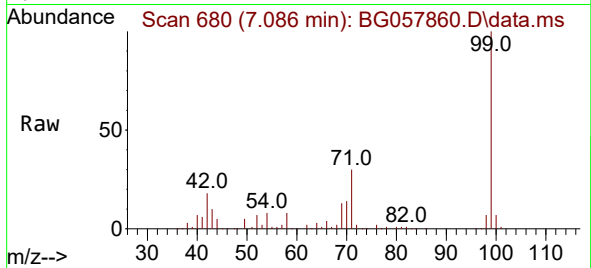




#7
Phenol-d6
Concen: 64.869 ng
RT: 7.086 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

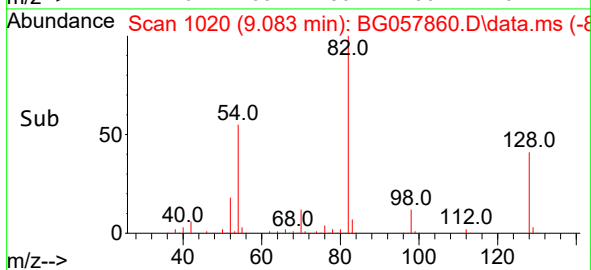
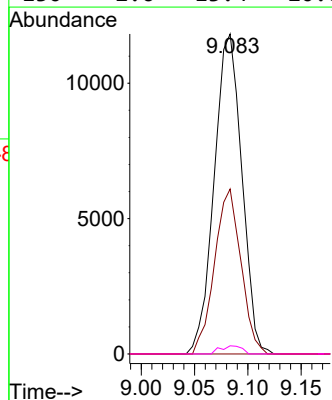
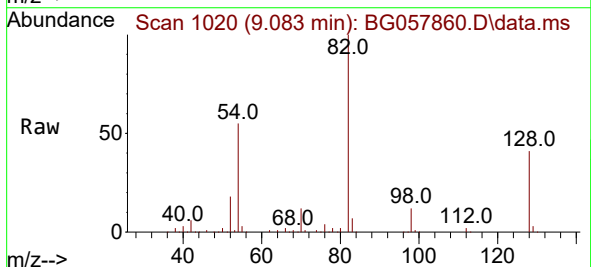
Instrument :
BNA_G
ClientSampleId :
WC-7

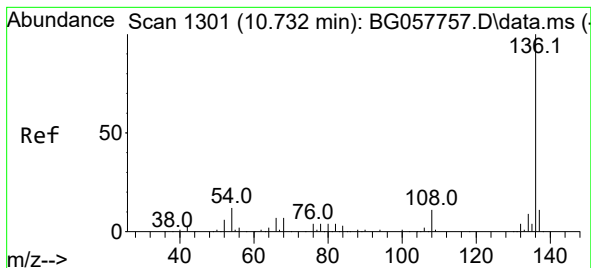
Tgt Ion: 99 Resp: 317398
Ion Ratio Lower Upper
99 100
42 17.7 16.4 24.6
71 30.4 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.241 ng
RT: 9.083 min Scan# 1020
Delta R.T. 0.349 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

Tgt Ion: 70 Resp: 21291
Ion Ratio Lower Upper
70 100
42 51.6 54.2 81.2#
101 0.0 7.4 11.0#
130 2.6 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.728 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG057860.D

Acq: 24 Jun 2023 3:40

Instrument :

BNA_G

ClientSampleId :

WC-7

Tgt Ion:136 Resp: 206496

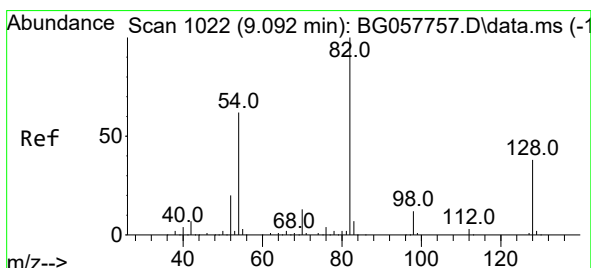
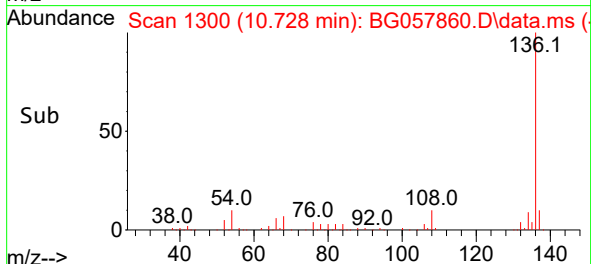
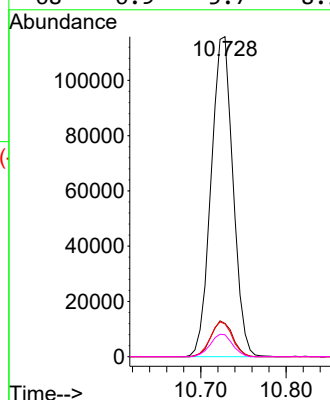
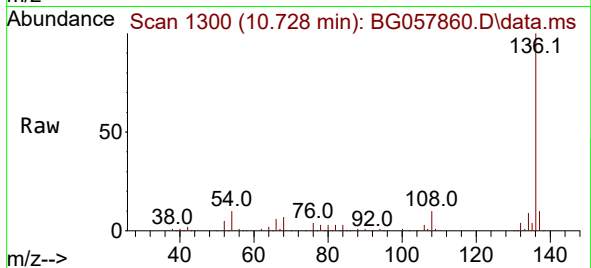
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 10.2 9.5 14.3

68 6.9 5.7 8.5



#23

Nitrobenzene-d5

Concen: 42.669 ng

RT: 9.083 min Scan# 1020

Delta R.T. -0.009 min

Lab File: BG057860.D

Acq: 24 Jun 2023 3:40

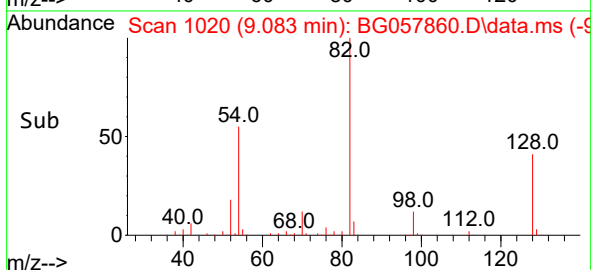
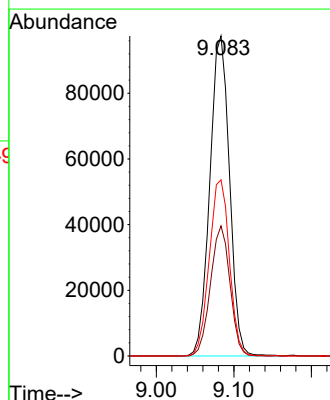
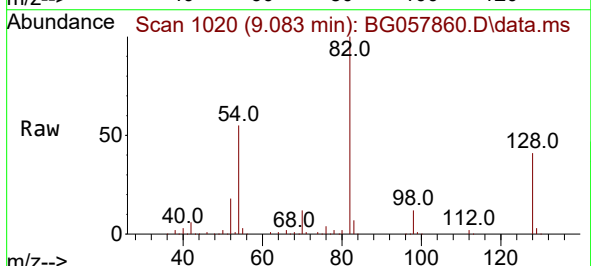
Tgt Ion: 82 Resp: 171677

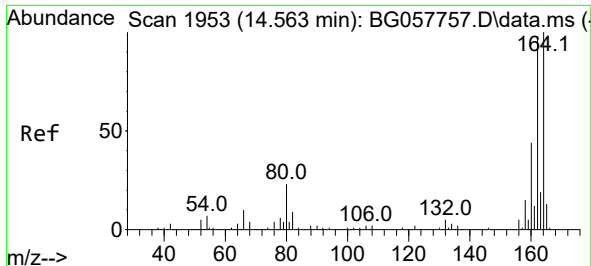
Ion Ratio Lower Upper

82 100

128 40.6 30.7 46.1

54 55.1 49.6 74.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.559 min Scan# 1952

Delta R.T. -0.003 min

Lab File: BG057860.D

Acq: 24 Jun 2023 3:40

Instrument :

BNA_G

ClientSampleId :

WC-7

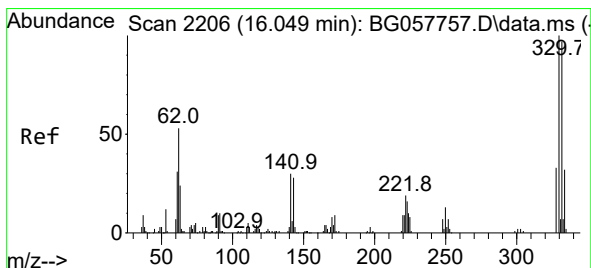
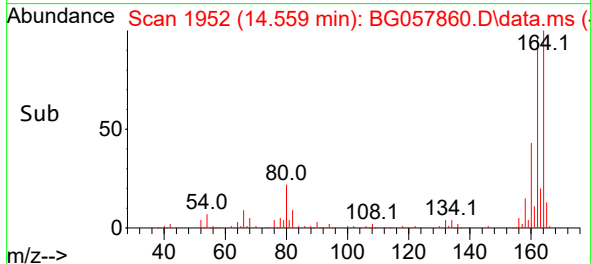
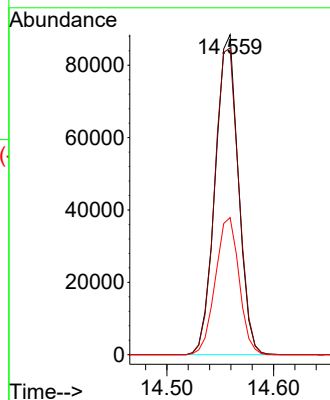
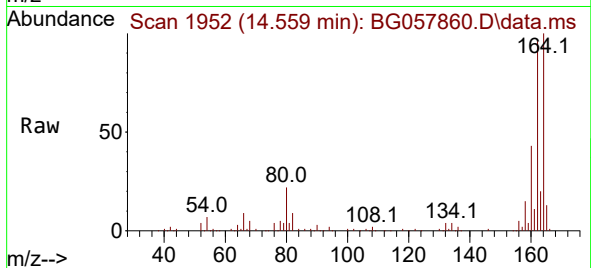
Tgt Ion:164 Resp: 133100

Ion Ratio Lower Upper

164 100

162 95.9 78.3 117.5

160 42.8 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 71.809 ng

RT: 16.046 min Scan# 2205

Delta R.T. -0.003 min

Lab File: BG057860.D

Acq: 24 Jun 2023 3:40

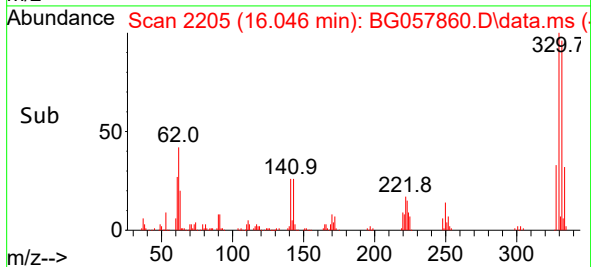
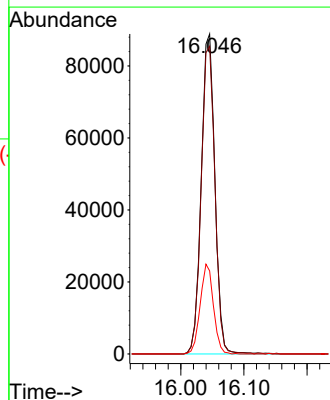
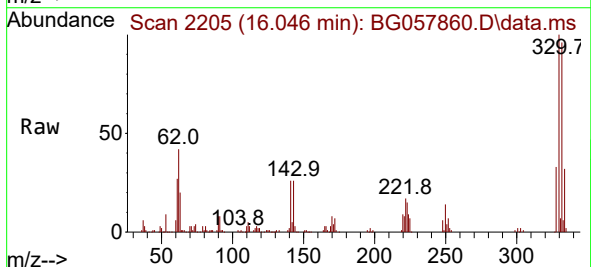
Tgt Ion:330 Resp: 133140

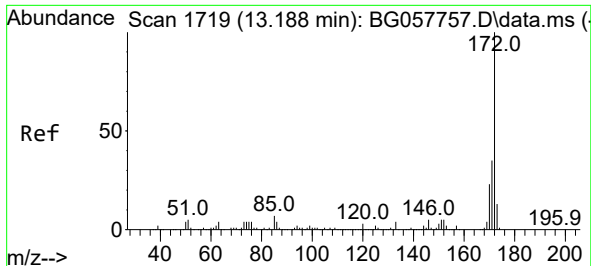
Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

141 27.2 24.7 37.1

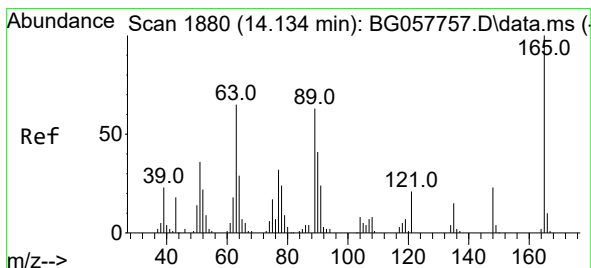
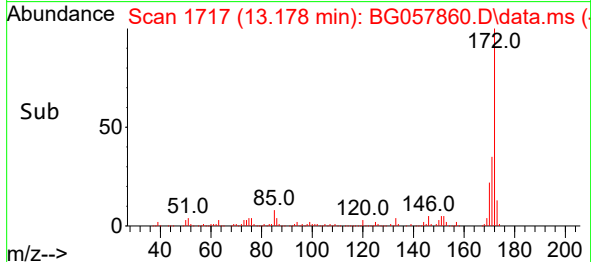
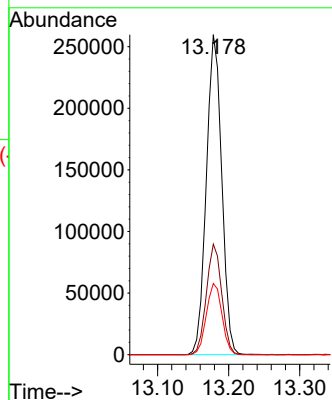
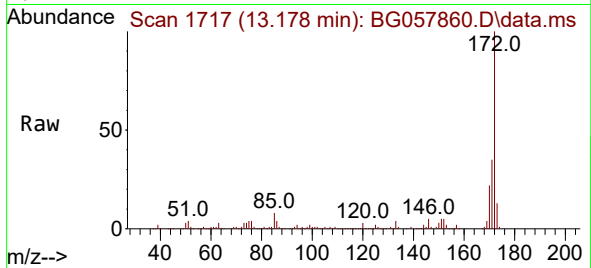




#45
2-Fluorobiphenyl
Concen: 44.634 ng
RT: 13.178 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

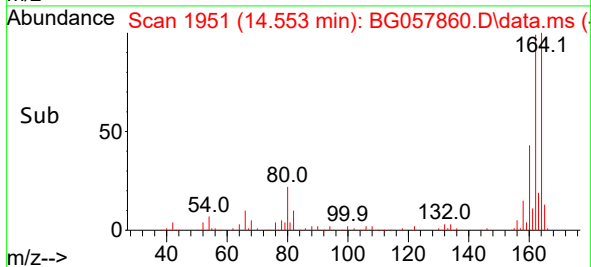
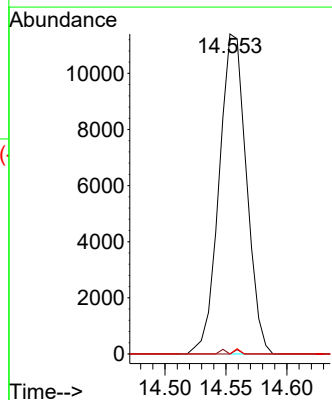
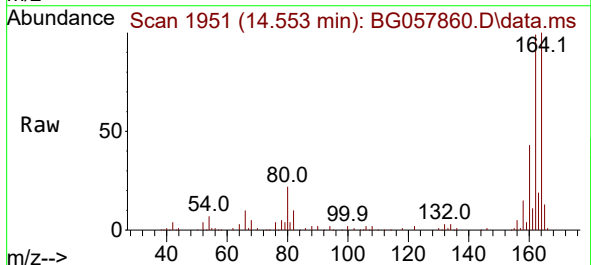
Instrument :
BNA_G
ClientSampleId :
WC-7

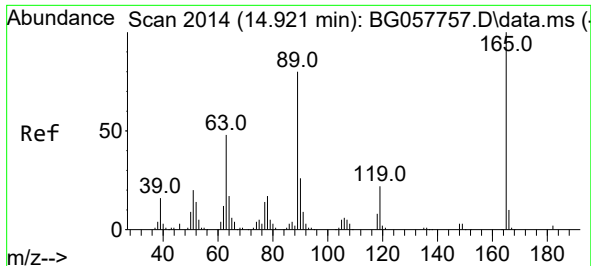
Tgt Ion:172 Resp: 391676
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 22.2 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.434 ng
RT: 14.553 min Scan# 1951
Delta R.T. 0.419 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

Tgt Ion:165 Resp: 17760
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: 6.957 ng

RT: 14.553 min Scan# 1951

Delta R.T. -0.368 min

Lab File: BG057860.D

Acq: 24 Jun 2023 3:40

Instrument :

BNA_G

ClientSampleId :

WC-7

Tgt Ion:165 Resp: 17760

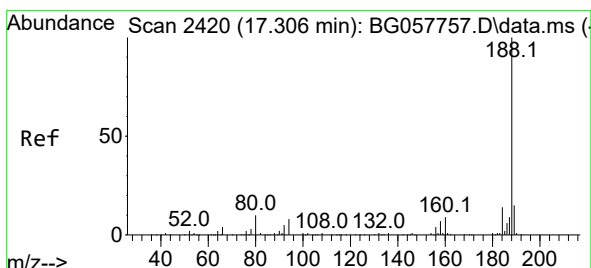
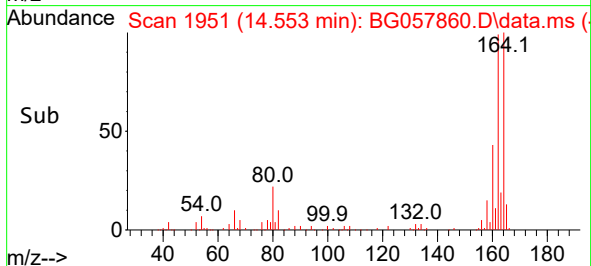
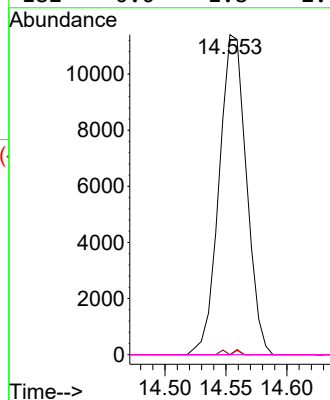
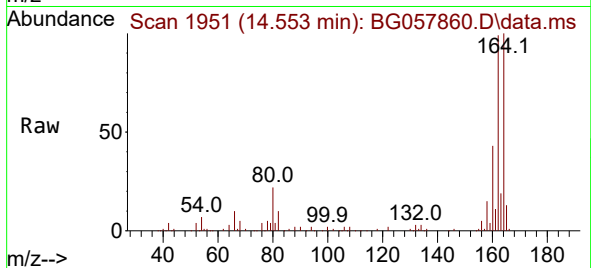
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.297 min Scan# 2418

Delta R.T. -0.009 min

Lab File: BG057860.D

Acq: 24 Jun 2023 3:40

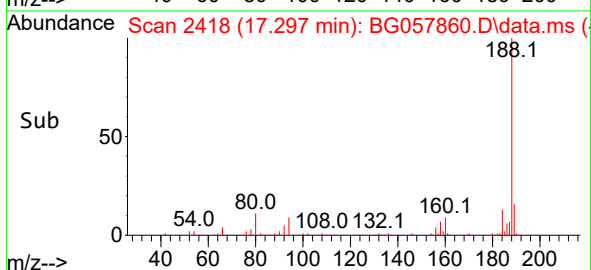
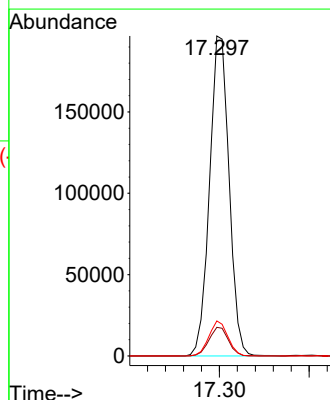
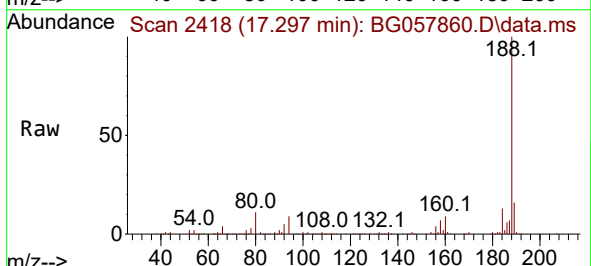
Tgt Ion:188 Resp: 296979

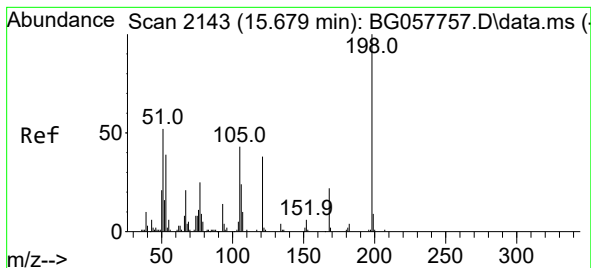
Ion Ratio Lower Upper

188 100

94 9.0 6.6 9.8

80 11.0 7.6 11.4

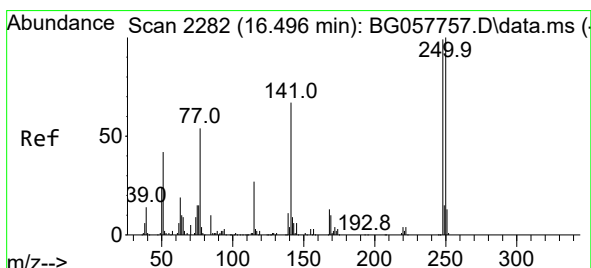
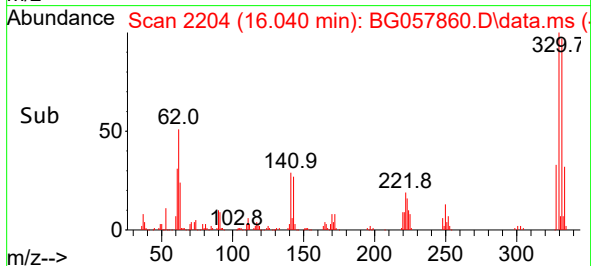
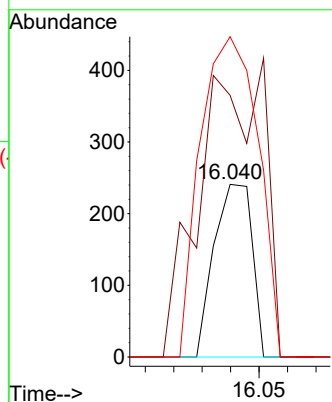
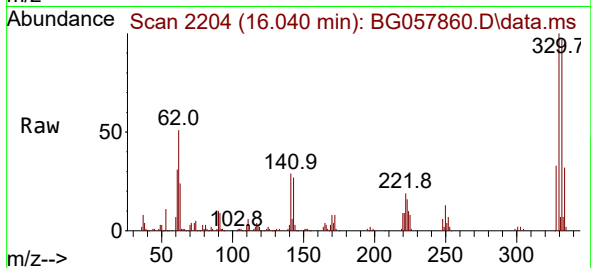




#65
4,6-Dinitro-2-methylphenol
Concen: 5.457 ng
RT: 16.040 min Scan# 2143
Delta R.T. 0.361 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

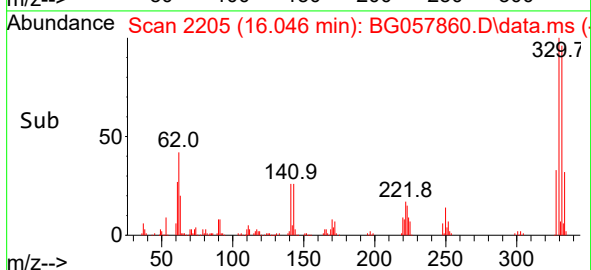
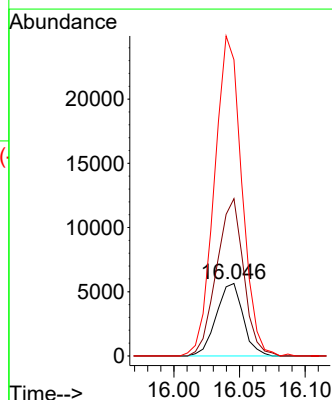
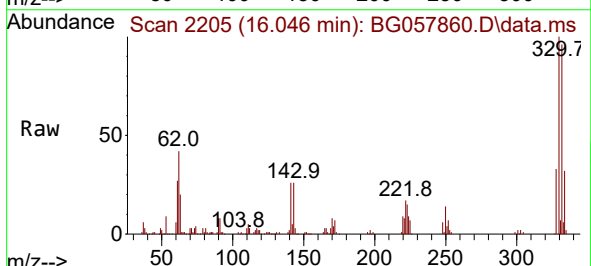
Instrument :
BNA_G
ClientSampleId :
WC-7

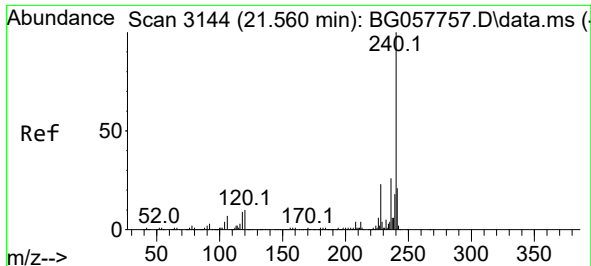
Tgt Ion:198 Resp: 223
Ion Ratio Lower Upper
198 100
51 151.5 36.6 76.6#
105 185.5 24.3 64.3#



#67
4-Bromophenyl-phenylether
Concen: 2.539 ng
RT: 16.046 min Scan# 2205
Delta R.T. -0.450 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

Tgt Ion:248 Resp: 7998
Ion Ratio Lower Upper
248 100
250 217.3 81.1 121.7#
141 408.9 54.6 81.8#

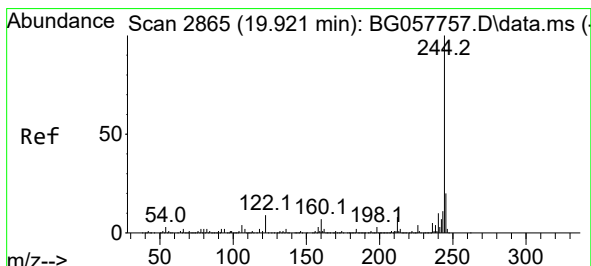
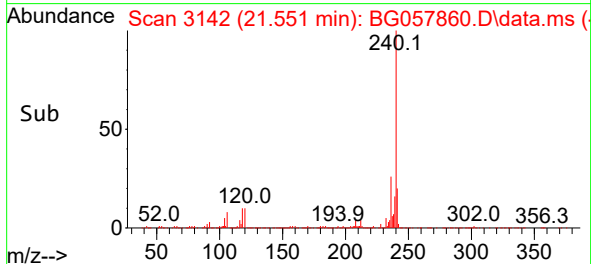
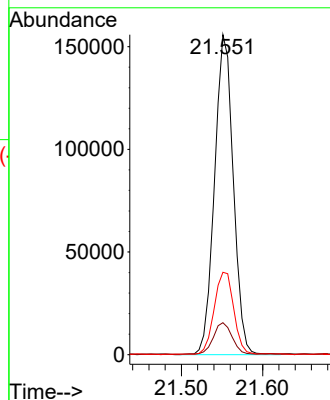
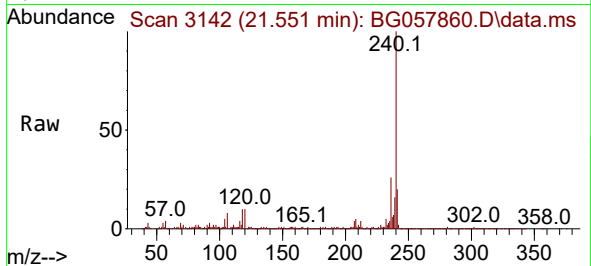




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.551 min Scan# 3144
Delta R.T. -0.009 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

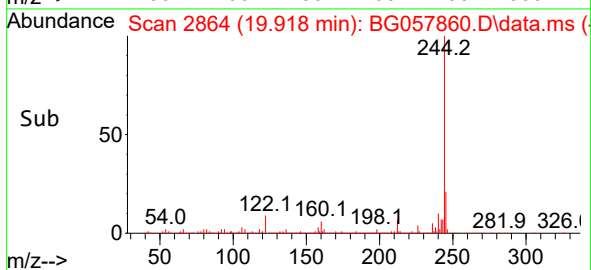
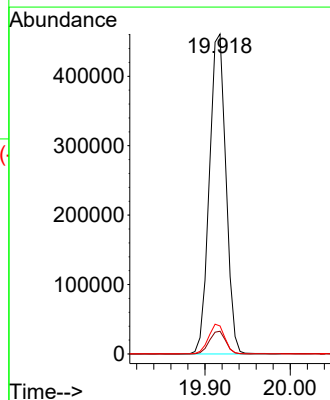
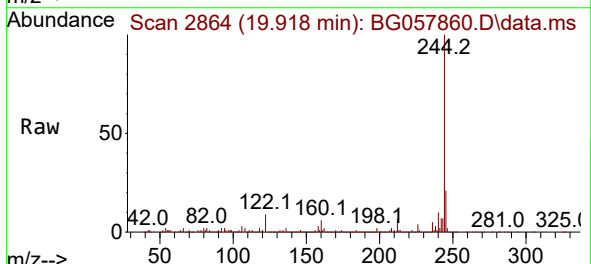
Instrument :
BNA_G
ClientSampleId :
WC-7

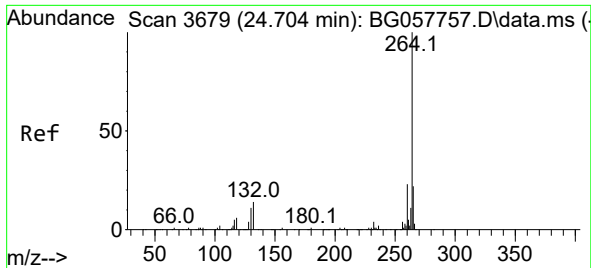
Tgt Ion:240 Resp: 250379
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 25.7 20.6 30.8



#79
Terphenyl-d14
Concen: 46.268 ng
RT: 19.918 min Scan# 2864
Delta R.T. -0.003 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

Tgt Ion:244 Resp: 621263
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 8.7 7.6 11.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.706 min Scan# 30
Delta R.T. 0.002 min
Lab File: BG057860.D
Acq: 24 Jun 2023 3:40

Instrument :
BNA_G
ClientSampleId :
WC-7

Tgt Ion:264 Resp: 309961
Ion Ratio Lower Upper
264 100
260 22.6 18.5 27.7
265 23.7 17.4 26.2

