

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057802.D
 Acq On : 22 Jun 2023 9:19
 Operator : CG/JU
 Sample : PB153645BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB153645BL

Quant Time: Jun 22 12:04:19 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)

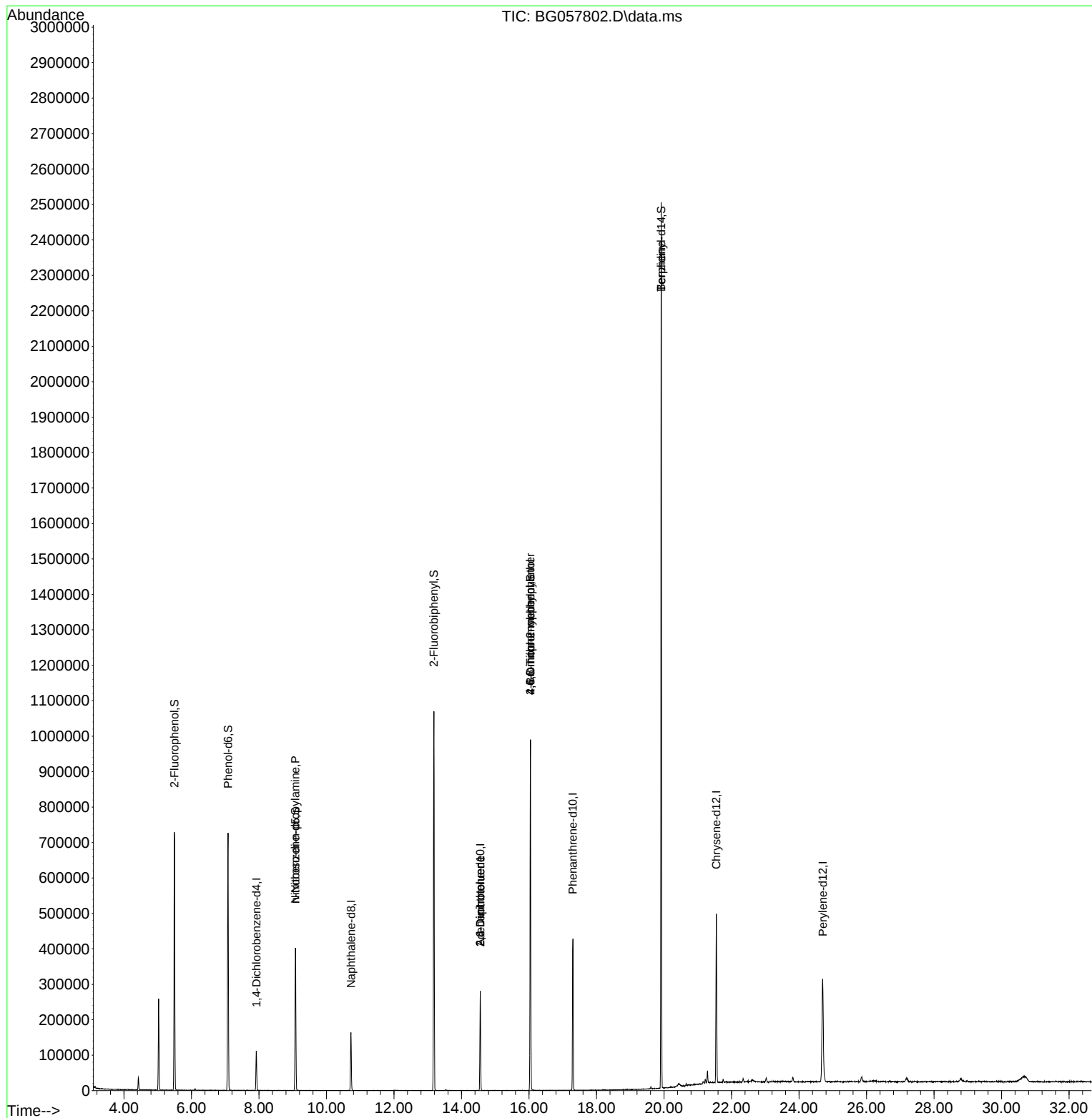
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	31004	20.000	ng	0.00
21) Naphthalene-d8	10.725	136	135262	20.000	ng	0.00
39) Acenaphthene-d10	14.556	164	99809	20.000	ng	0.00
64) Phenanthrene-d10	17.300	188	271044	20.000	ng	0.00
76) Chrysene-d12	21.548	240	271045	20.000	ng	-0.01
86) Perylene-d12	24.703	264	322078	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	302818	150.599	ng	0.00
7) Phenol-d6	7.082	99	428607	139.697	ng	0.00
23) Nitrobenzene-d5	9.080	82	240979	91.437	ng	-0.01
42) 2,4,6-Tribromophenol	16.042	330	202795	145.861	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	581485	88.365	ng	0.00
79) Terphenyl-d14	19.914	244	1269779	87.355	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.080	70	29943	13.999	ng	# 71
51) 2,6-Dinitrotoluene	14.556	165	13719	9.718	ng	# 18
57) 2,4-Dinitrotoluene	14.556	165	13719	7.166	ng	# 18
65) 4,6-Dinitro-2-methylph...	16.042	198	482	5.656	ng	# 24
67) 4-Bromophenyl-phenylether	16.042	248	13352	4.645	ng	# 1
77) Benzidine	19.914	184	17132	2.696	ng	# 92

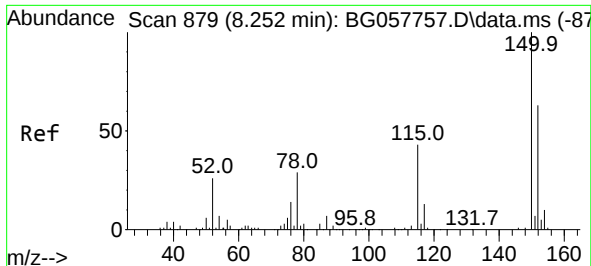
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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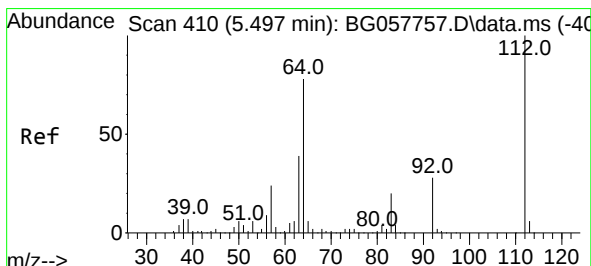
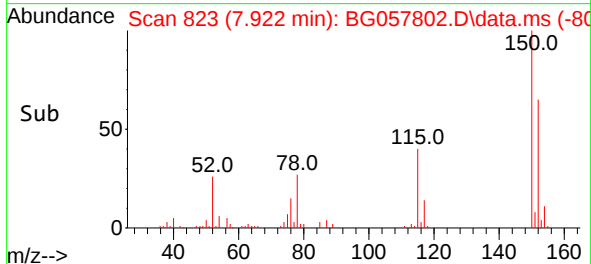
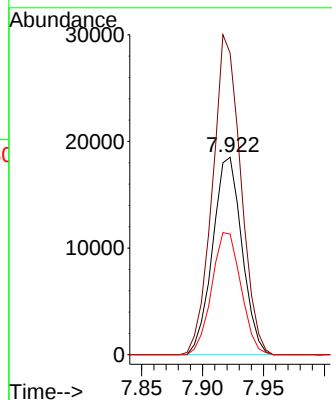
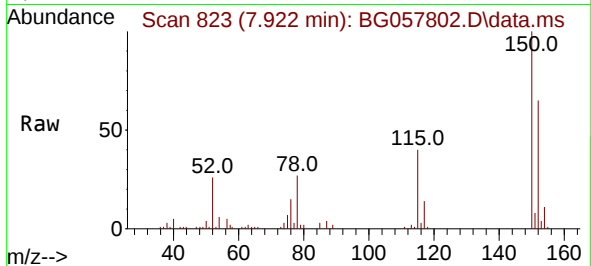




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057802.D
Acq: 22 Jun 2023 9:19

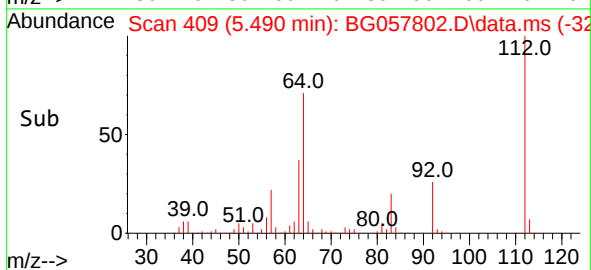
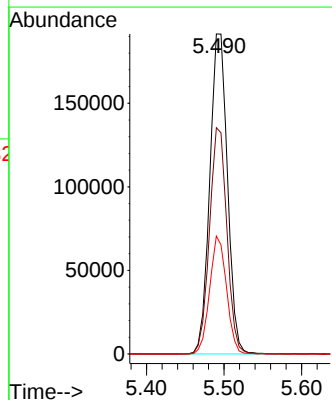
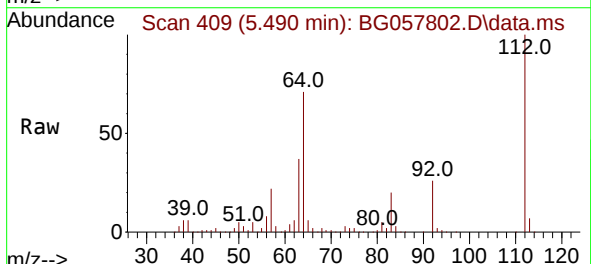
Instrument :
BNA_G
ClientSampleId :
PB153645BL

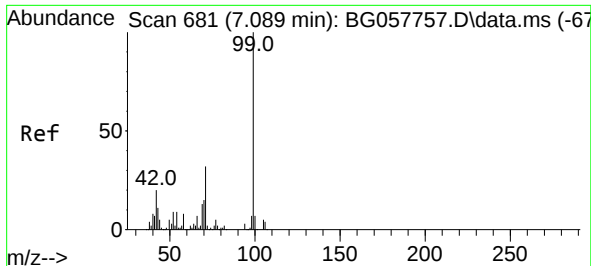
Tgt Ion:152 Resp: 31004
Ion Ratio Lower Upper
152 100
150 152.7 126.6 189.8
115 61.1 48.9 73.3



#5
2-Fluorophenol
Concen: 150.599 ng
RT: 5.490 min Scan# 409
Delta R.T. -0.007 min
Lab File: BG057802.D
Acq: 22 Jun 2023 9:19

Tgt Ion:112 Resp: 302818
Ion Ratio Lower Upper
112 100
64 70.7 62.1 93.1
63 36.9 31.5 47.3

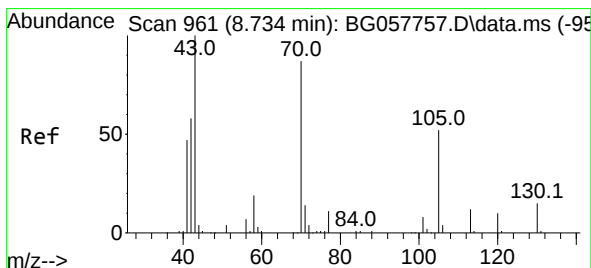
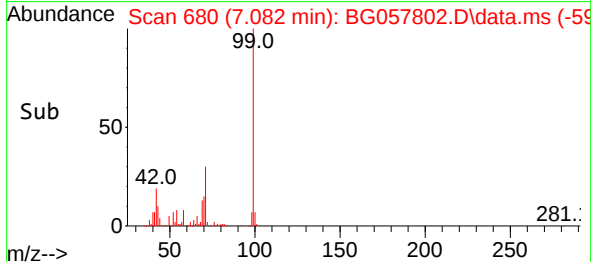
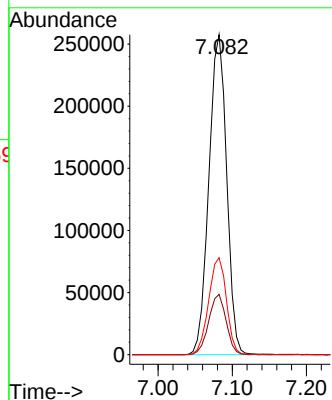
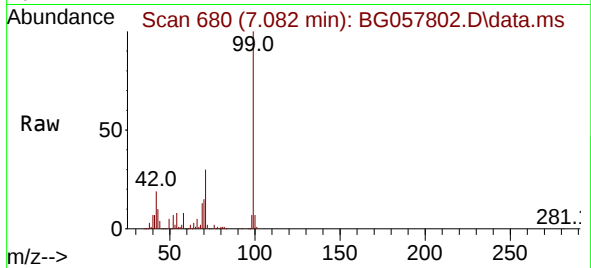




#7
Phenol-d6
Concen: 139.697 ng
RT: 7.082 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG057802.D
Acq: 22 Jun 2023 9:19

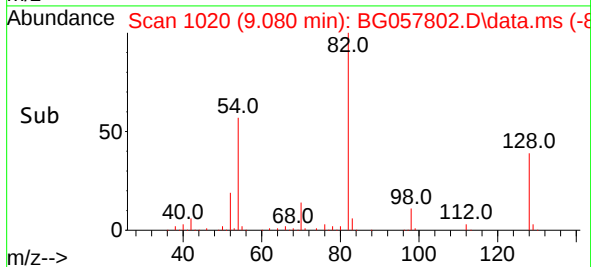
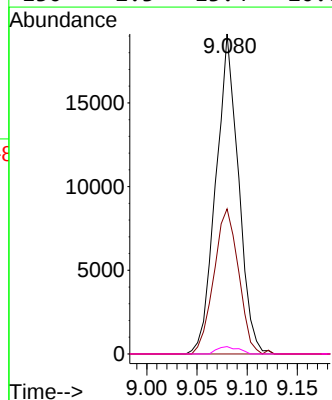
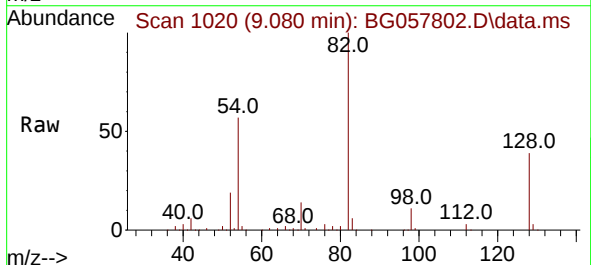
Instrument :
BNA_G
ClientSampleId :
PB153645BL

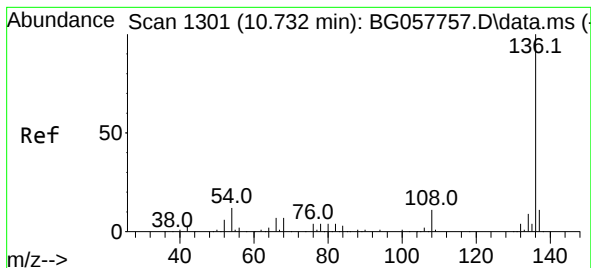
Tgt Ion: 99 Resp: 428607
Ion Ratio Lower Upper
99 100
42 18.9 16.4 24.6
71 30.3 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.999 ng
RT: 9.080 min Scan# 1020
Delta R.T. 0.346 min
Lab File: BG057802.D
Acq: 22 Jun 2023 9:19

Tgt Ion: 70 Resp: 29943
Ion Ratio Lower Upper
70 100
42 45.3 54.2 81.2#
101 0.0 7.4 11.0#
130 2.3 13.4 20.0#

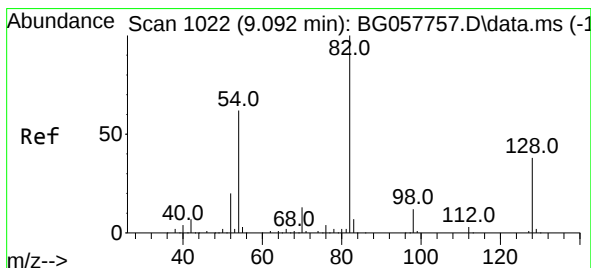
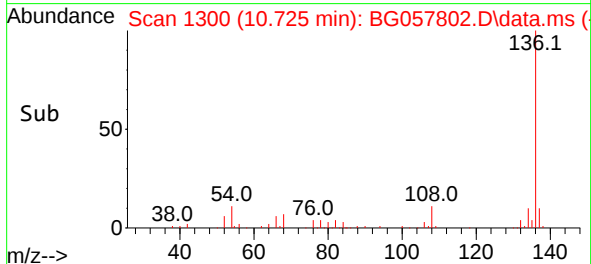
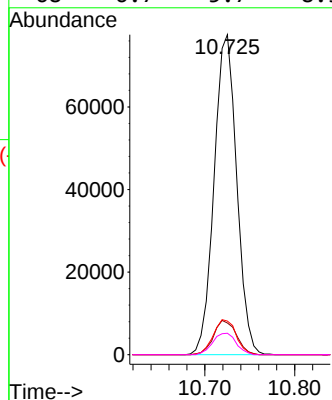
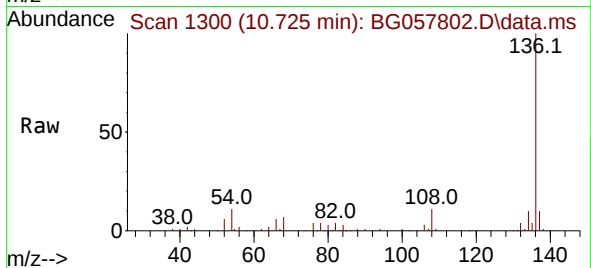




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG057802.D
Acq: 22 Jun 2023 9:19

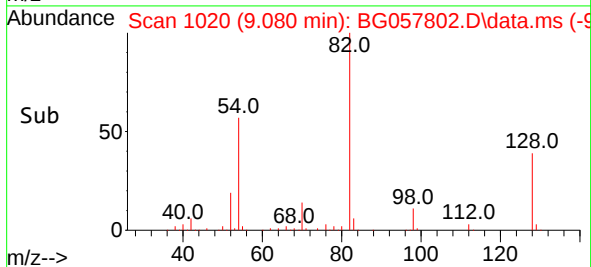
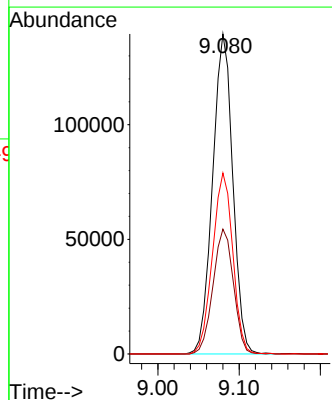
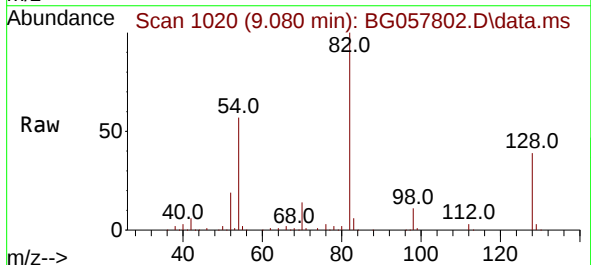
Instrument :
BNA_G
ClientSampleId :
PB153645BL

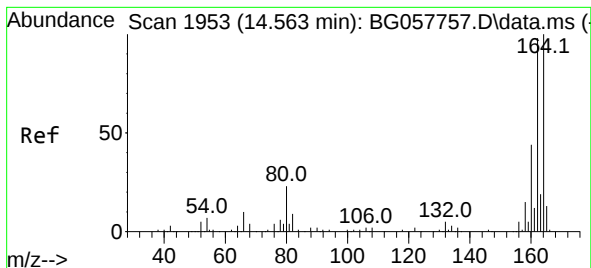
Tgt Ion:	136	Resp:	135262
Ion Ratio	Lower	Upper	
136	100		
137	9.9	8.5	12.7
54	11.2	9.5	14.3
68	6.7	5.7	8.5



#23
Nitrobenzene-d5
Concen: 91.437 ng
RT: 9.080 min Scan# 1020
Delta R.T. -0.013 min
Lab File: BG057802.D
Acq: 22 Jun 2023 9:19

Tgt Ion:	82	Resp:	240979
Ion Ratio	Lower	Upper	
82	100		
128	39.0	30.7	46.1
54	56.6	49.6	74.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.556 min Scan# 1952

Delta R.T. -0.007 min

Lab File: BG057802.D

Acq: 22 Jun 2023 9:19

Instrument :

BNA_G

ClientSampleId :

PB153645BL

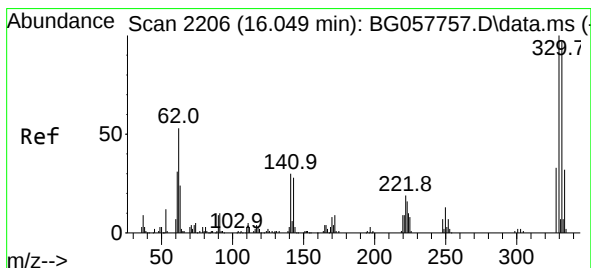
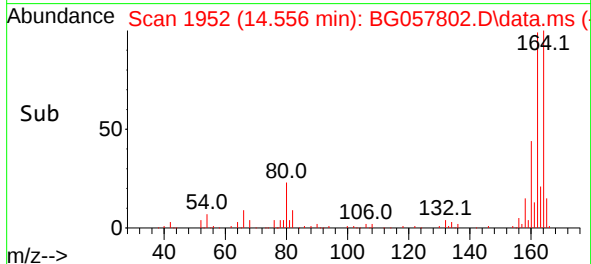
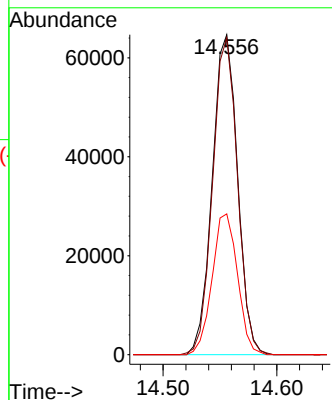
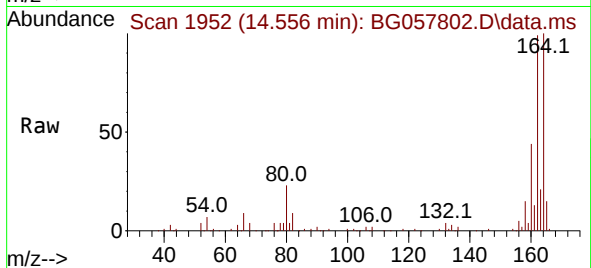
Tgt Ion:164 Resp: 99809

Ion Ratio Lower Upper

164 100

162 99.1 78.3 117.5

160 44.0 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 145.861 ng

RT: 16.042 min Scan# 2205

Delta R.T. -0.007 min

Lab File: BG057802.D

Acq: 22 Jun 2023 9:19

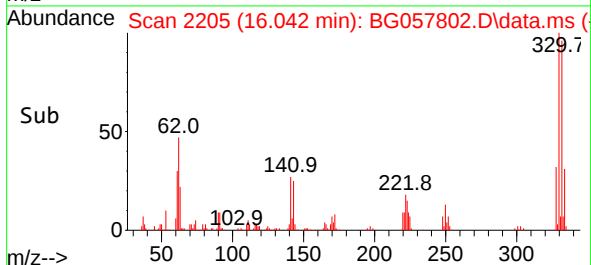
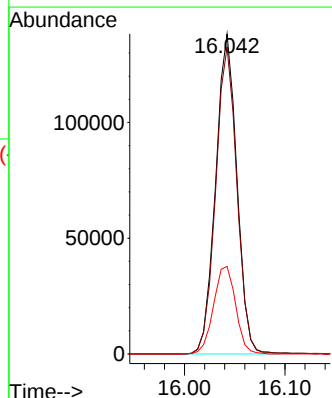
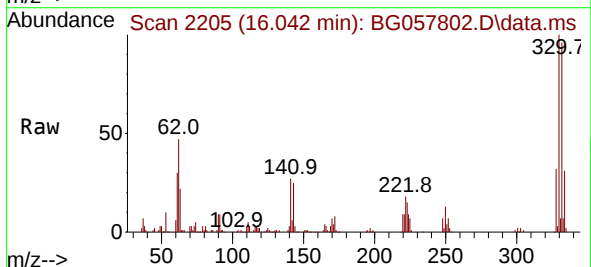
Tgt Ion:330 Resp: 202795

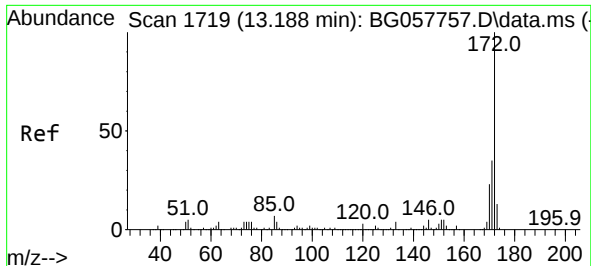
Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

141 28.5 24.7 37.1

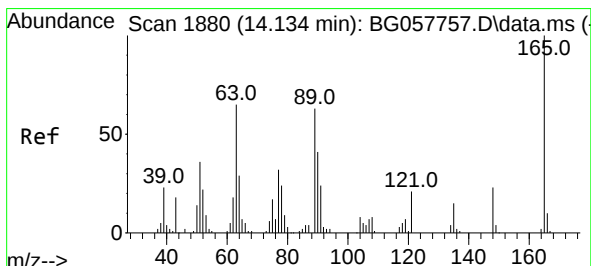
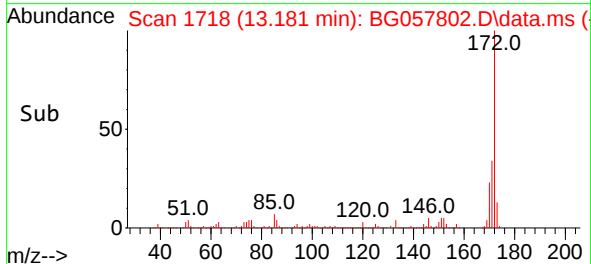
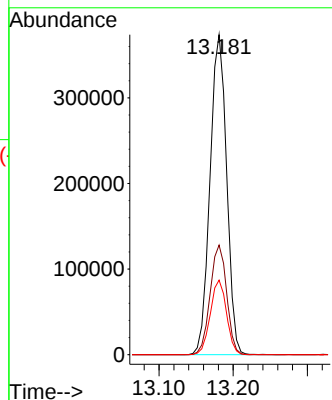
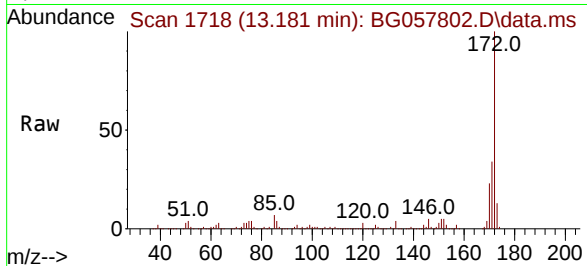




#45
2-Fluorobiphenyl
Concen: 88.365 ng
RT: 13.181 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG057802.D
Acq: 22 Jun 2023 9:19

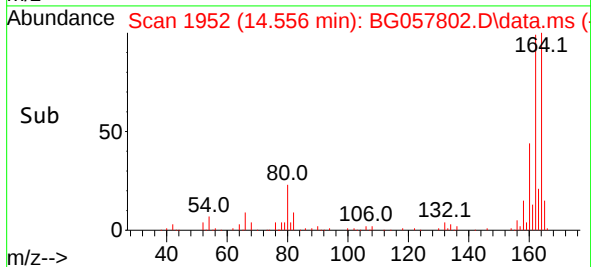
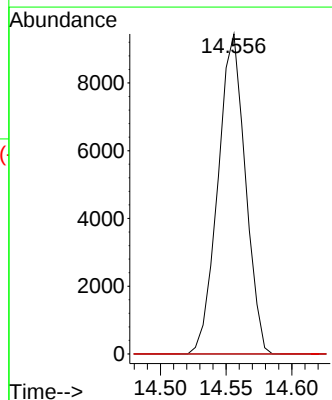
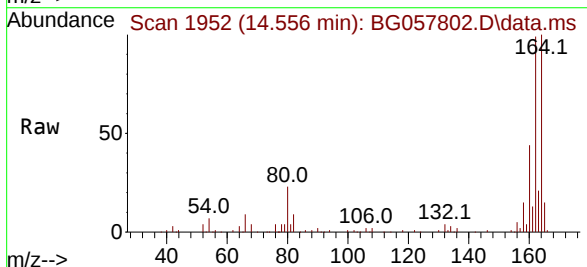
Instrument :
BNA_G
ClientSampleId :
PB153645BL

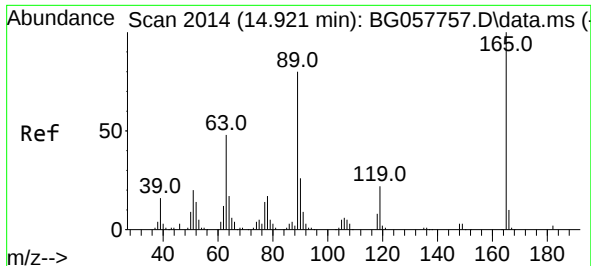
Tgt Ion:172 Resp: 581485
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 23.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.718 ng
RT: 14.556 min Scan# 1952
Delta R.T. 0.422 min
Lab File: BG057802.D
Acq: 22 Jun 2023 9:19

Tgt Ion:165 Resp: 13719
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: 7.166 ng

RT: 14.556 min Scan# 1419

Delta R.T. -0.365 min

Lab File: BG057802.D

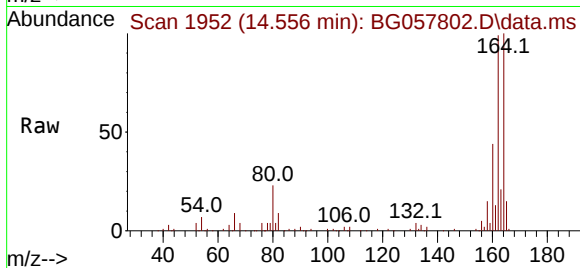
Acq: 22 Jun 2023 9:19

Instrument :

BNA_G

ClientSampleId :

PB153645BL



Tgt Ion:165 Resp: 13719

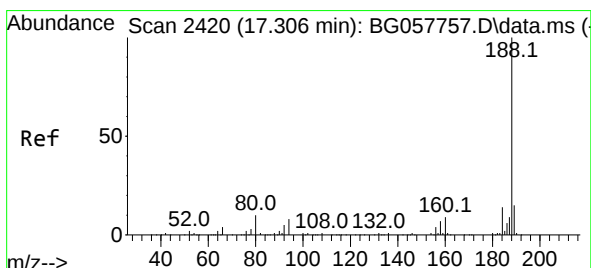
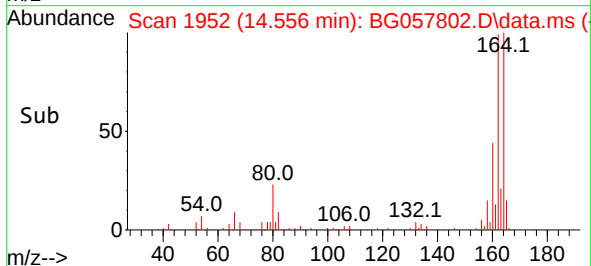
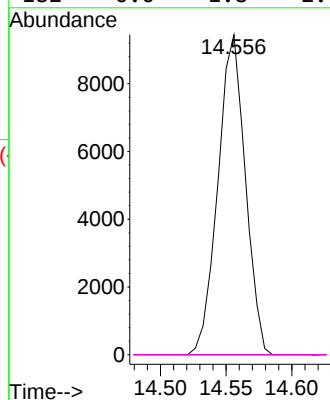
Ion Ratio Lower Upper

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: 17.300 min Scan# 2419

Delta R.T. -0.007 min

Lab File: BG057802.D

Acq: 22 Jun 2023 9:19

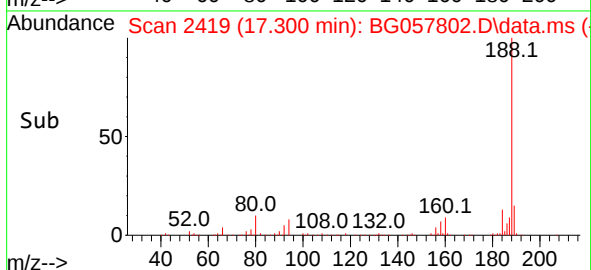
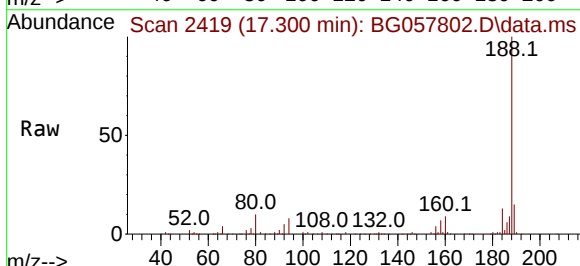
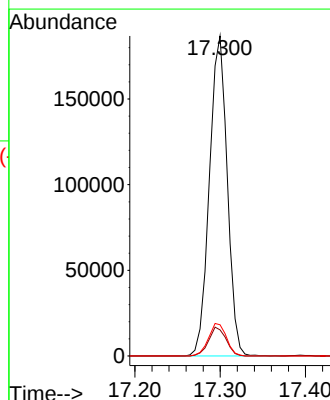
Tgt Ion:188 Resp: 271044

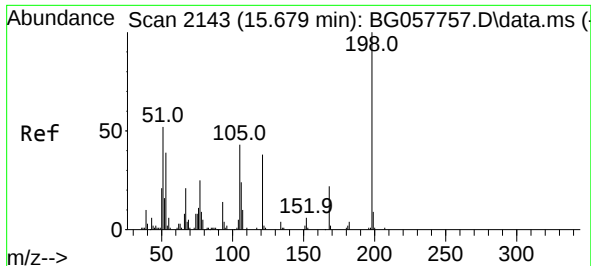
Ion Ratio Lower Upper

188 100

94 8.1 6.6 9.8

80 9.7 7.6 11.4

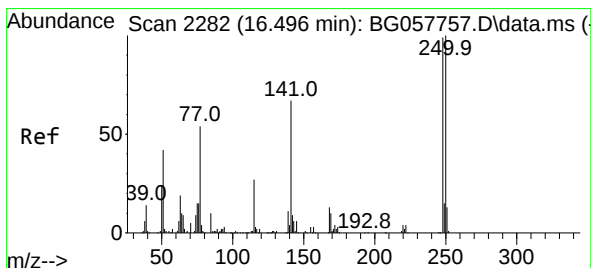
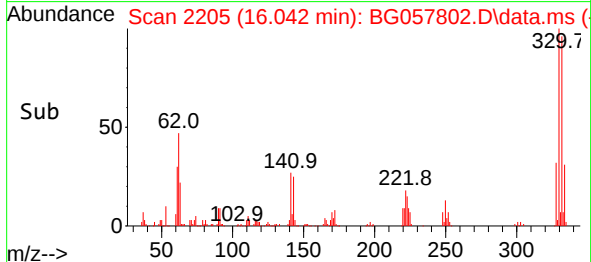
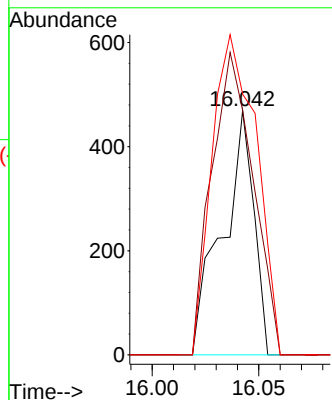
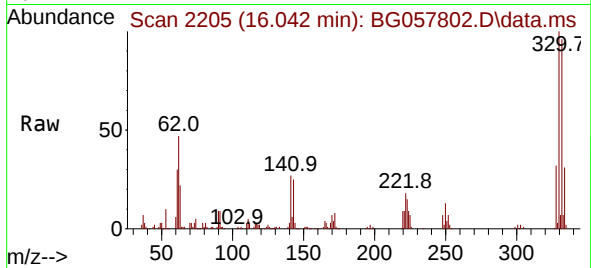




#65
4,6-Dinitro-2-methylphenol
Concen: 5.656 ng
RT: 16.042 min Scan# 2143
Delta R.T. 0.363 min
Lab File: BG057802.D
Acq: 22 Jun 2023 9:19

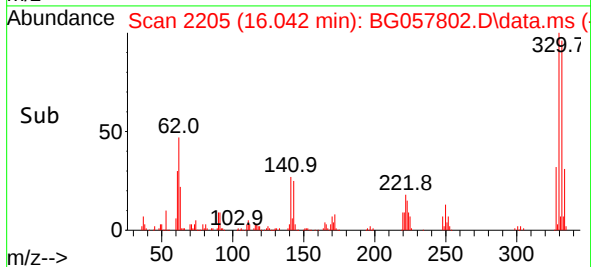
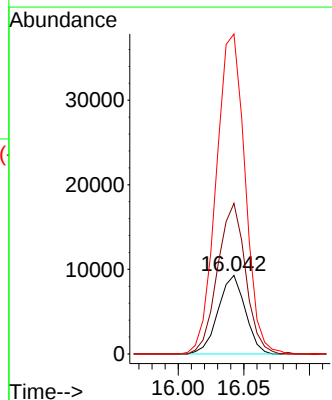
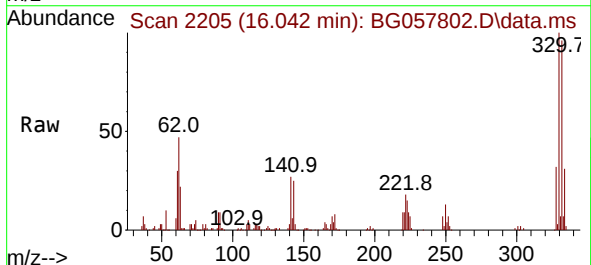
Instrument :
BNA_G
ClientSampleId :
PB153645BL

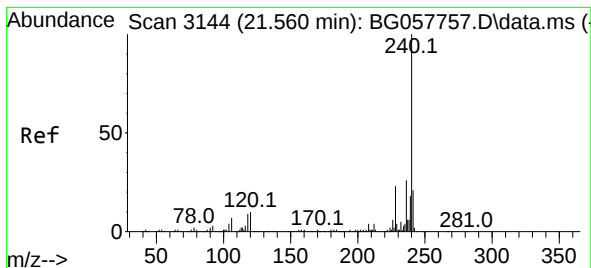
Tgt Ion:198 Resp: 482
Ion Ratio Lower Upper
198 100
51 100.2 36.6 76.6#
105 106.8 24.3 64.3#



#67
4-Bromophenyl-phenylether
Concen: 4.645 ng
RT: 16.042 min Scan# 2205
Delta R.T. -0.453 min
Lab File: BG057802.D
Acq: 22 Jun 2023 9:19

Tgt Ion:248 Resp: 13352
Ion Ratio Lower Upper
248 100
250 191.7 81.1 121.7#
141 407.4 54.6 81.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.548 min Scan# 3142

Delta R.T. -0.013 min

Lab File: BG057802.D

Acq: 22 Jun 2023 9:19

Instrument :

BNA_G

ClientSampleId :

PB153645BL

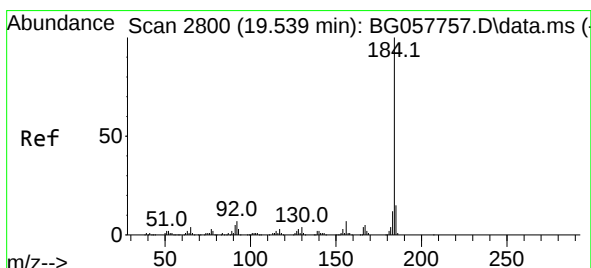
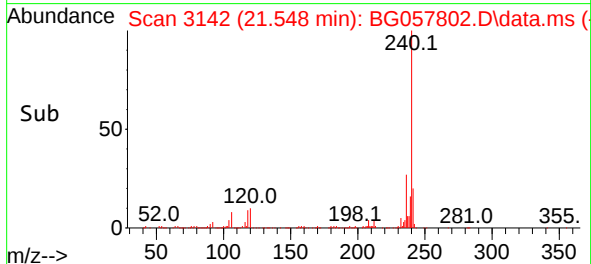
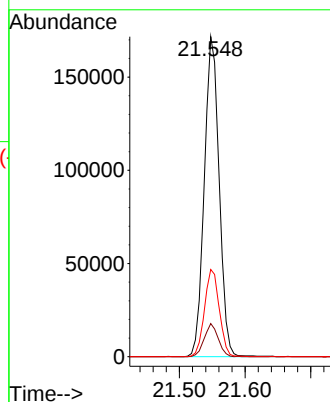
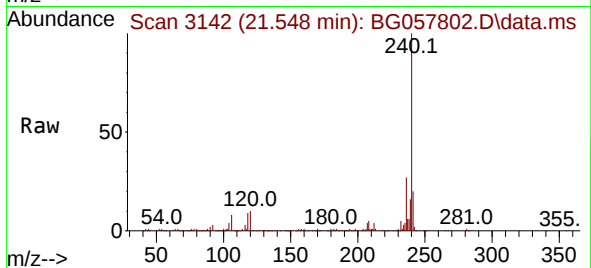
Tgt Ion:240 Resp: 271045

Ion Ratio Lower Upper

240 100

120 10.4 8.1 12.1

236 27.3 20.6 30.8



#77

Benzidine

Concen: 2.696 ng

RT: 19.914 min Scan# 2864

Delta R.T. 0.375 min

Lab File: BG057802.D

Acq: 22 Jun 2023 9:19

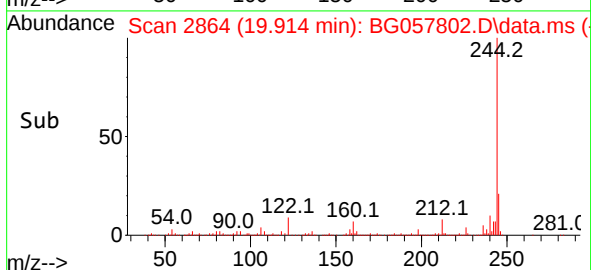
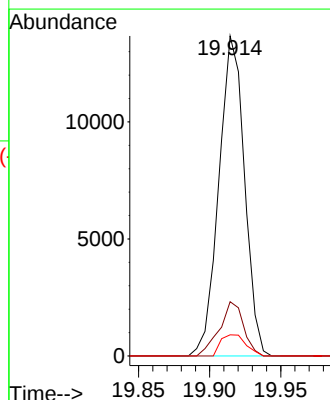
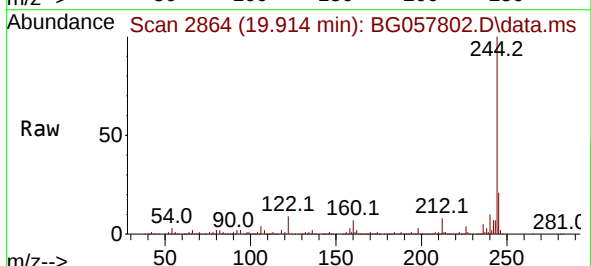
Tgt Ion:184 Resp: 17132

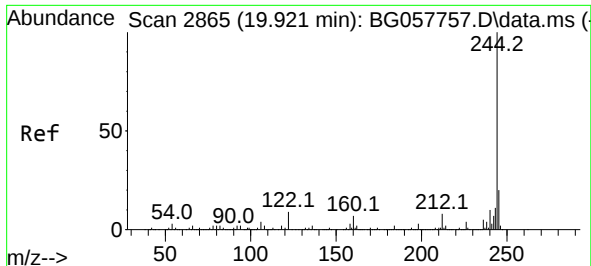
Ion Ratio Lower Upper

184 100

185 17.0 12.0 18.0

183 6.6 9.4 14.0#



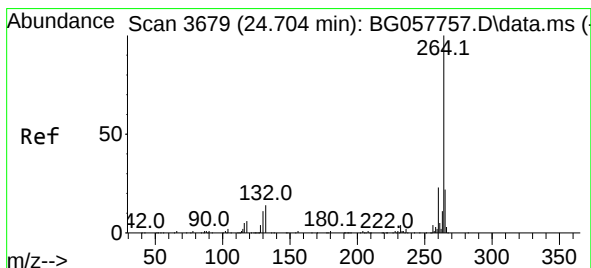
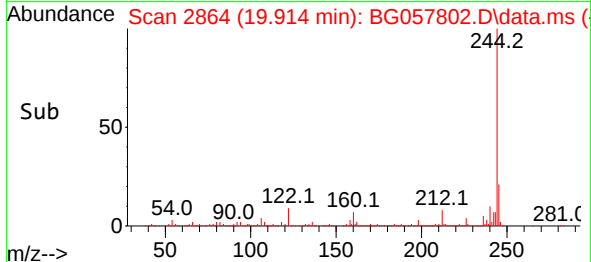
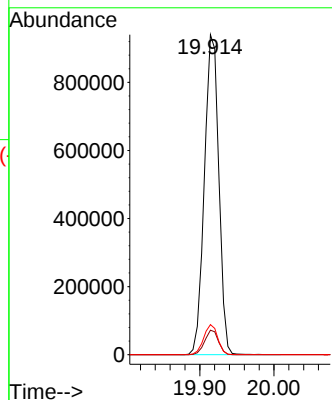
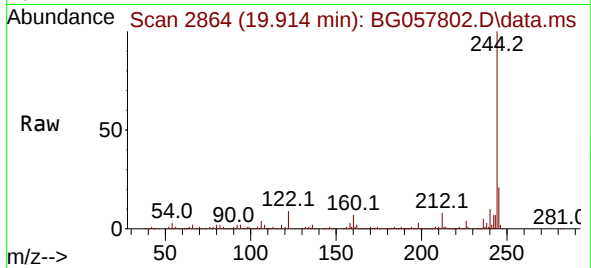


#79
 Terphenyl-d14
 Concen: 87.355 ng
 RT: 19.914 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057802.D
 Acq: 22 Jun 2023 9:19

Instrument :
 BNA_G
 ClientSampleId :
 PB153645BL

Tgt Ion:244 Resp: 1269779

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	9.4	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: BG057802.D
 Acq: 22 Jun 2023 9:19

Tgt Ion:264 Resp: 322078

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.1	17.4	26.2

