

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057827.D
 Acq On : 23 Jun 2023 3:55
 Operator : CG/JU
 Sample : 03320-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-14

Quant Time: Jun 23 04:54:31 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)

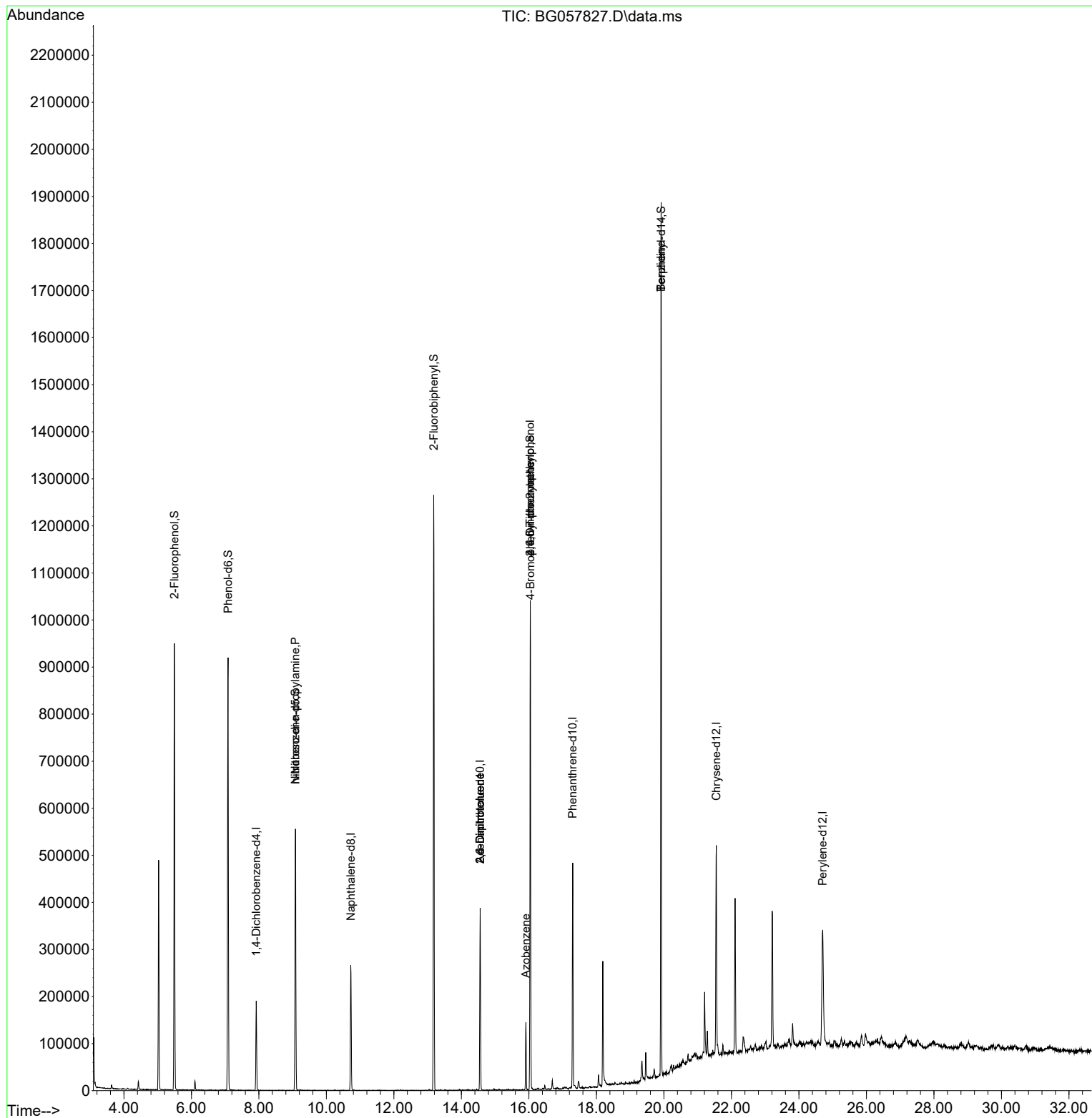
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.920	152	50775	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	222545	20.000	ng	0.00
39) Acenaphthene-d10	14.553	164	139568	20.000	ng	0.00
64) Phenanthrene-d10	17.297	188	301457	20.000	ng	0.00
76) Chrysene-d12	21.551	240	257745	20.000	ng	0.00
86) Perylene-d12	24.700	264	312284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	385548	117.081	ng	0.00
7) Phenol-d6	7.086	99	551769	109.813	ng	0.00
23) Nitrobenzene-d5	9.083	82	330785	76.286	ng	0.00
42) 2,4,6-Tribromophenol	16.040	330	217305	111.773	ng	0.00
45) 2-Fluorobiphenyl	13.178	172	681726	74.086	ng	0.00
79) Terphenyl-d14	19.918	244	975534	70.575	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.083	70	40757	11.635	ng	# 75
51) 2,6-Dinitrotoluene	14.553	165	18581	9.413	ng	# 20
57) 2,4-Dinitrotoluene	14.553	165	18581	6.941	ng	# 20
63) Azobenzene	15.911	77	39220	3.486	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.040	198	555	5.668	ng	# 1
67) 4-Bromophenyl-phenylether	16.046	248	14045	4.393	ng	# 1
77) Benzidine	19.912	184	13010	2.153	ng	# 92

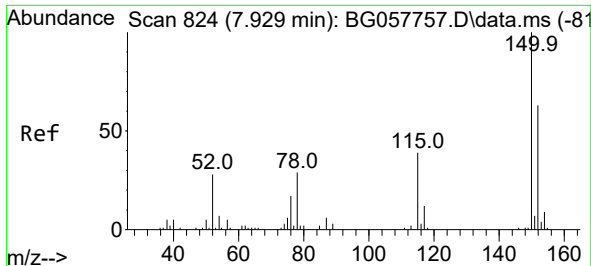
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
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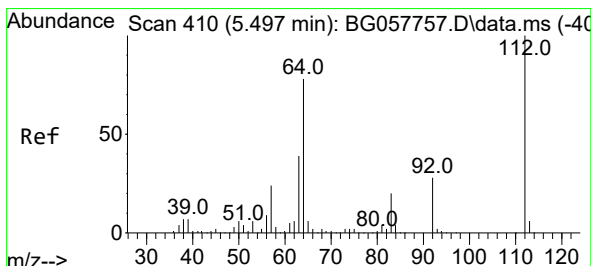
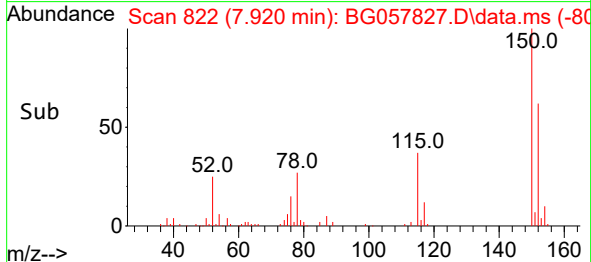
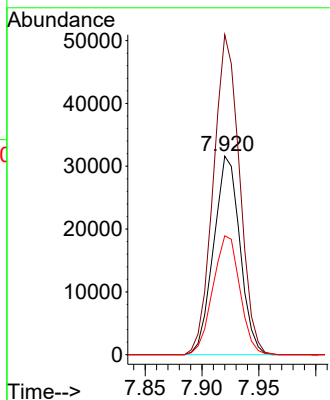
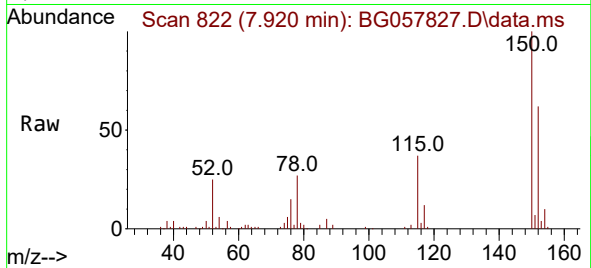




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.920 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

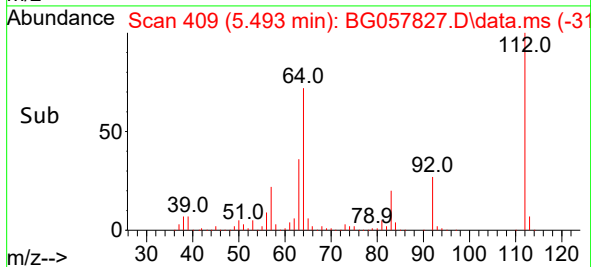
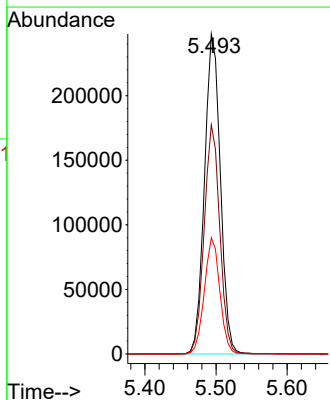
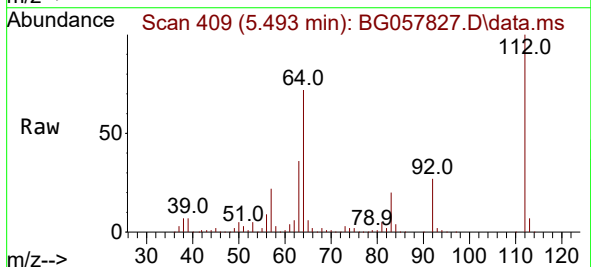
Instrument :
BNA_G
ClientSampleId :
WC-14

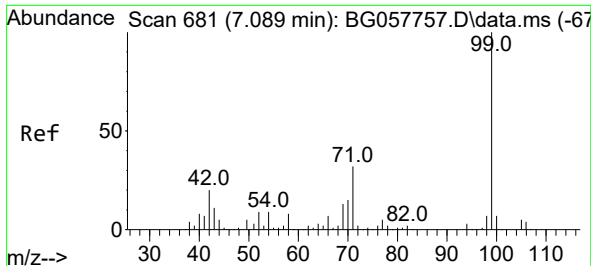
Tgt Ion:152 Resp: 50775
Ion Ratio Lower Upper
152 100
150 161.1 126.6 189.8
115 59.9 48.9 73.3



#5
2-Fluorophenol
Concen: 117.081 ng
RT: 5.493 min Scan# 409
Delta R.T. -0.004 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

Tgt Ion:112 Resp: 385548
Ion Ratio Lower Upper
112 100
64 71.6 62.1 93.1
63 36.3 31.5 47.3

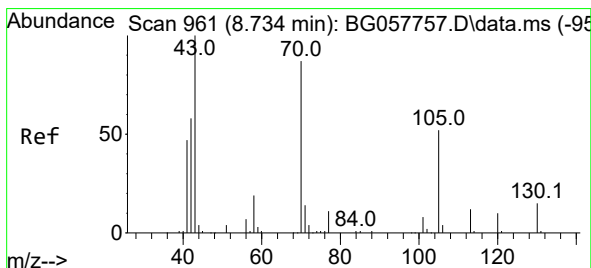
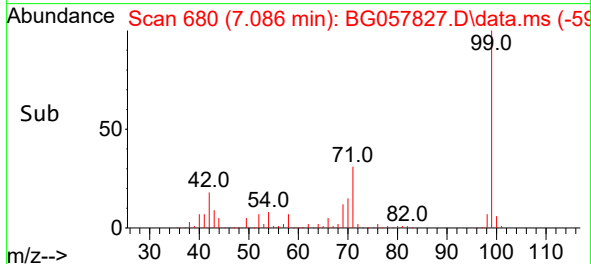
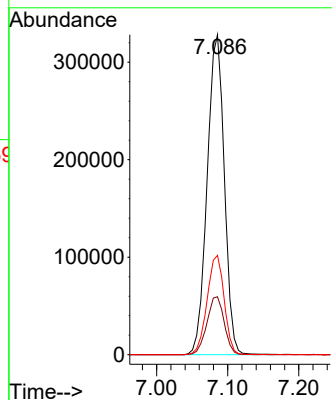
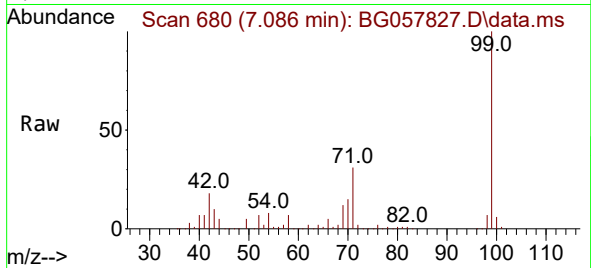




#7
Phenol-d6
Concen: 109.813 ng
RT: 7.086 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

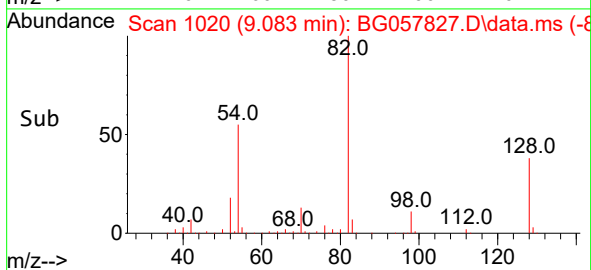
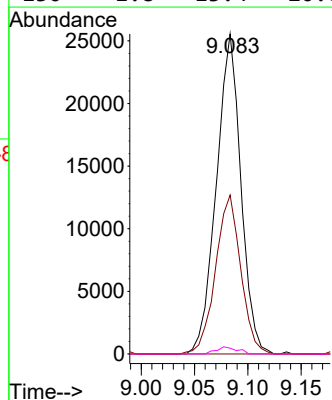
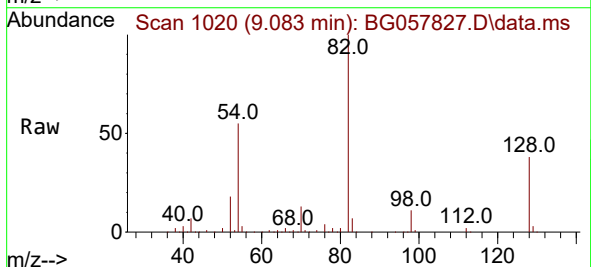
Instrument :
BNA_G
ClientSampleId :
WC-14

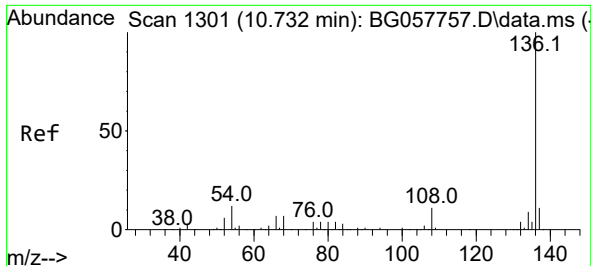
Tgt Ion: 99 Resp: 551769
Ion Ratio Lower Upper
99 100
42 18.1 16.4 24.6
71 31.1 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.635 ng
RT: 9.083 min Scan# 1020
Delta R.T. 0.349 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

Tgt Ion: 70 Resp: 40757
Ion Ratio Lower Upper
70 100
42 49.7 54.2 81.2#
101 0.0 7.4 11.0#
130 1.8 13.4 20.0#

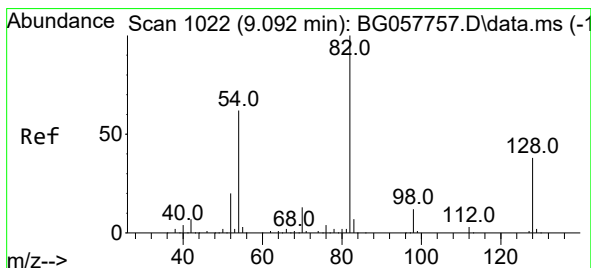
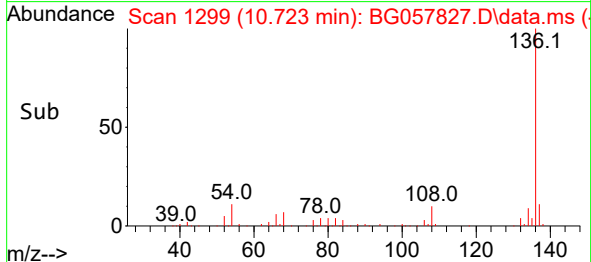
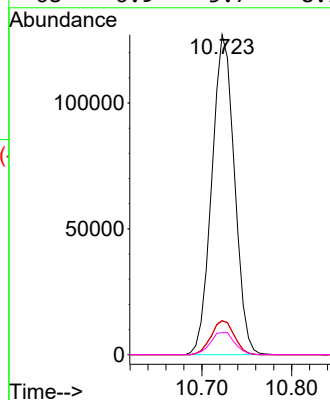
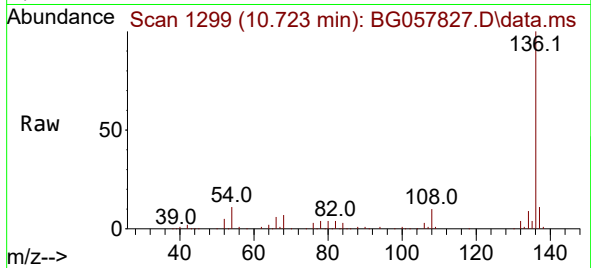




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

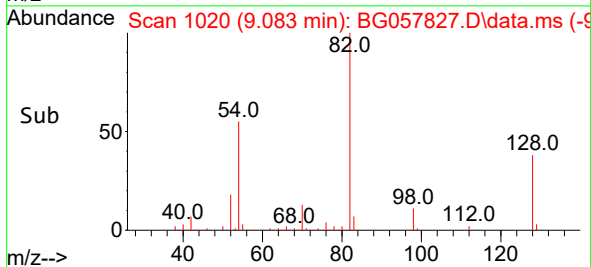
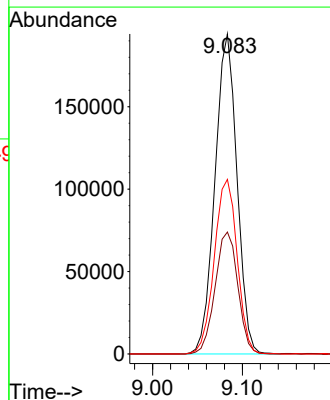
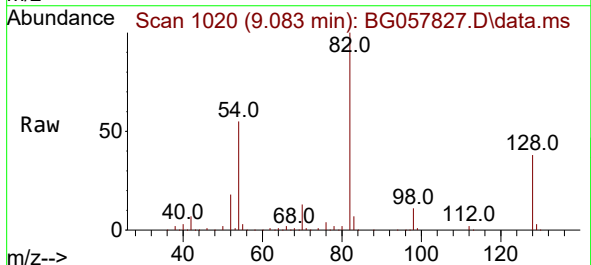
Instrument :
BNA_G
ClientSampleId :
WC-14

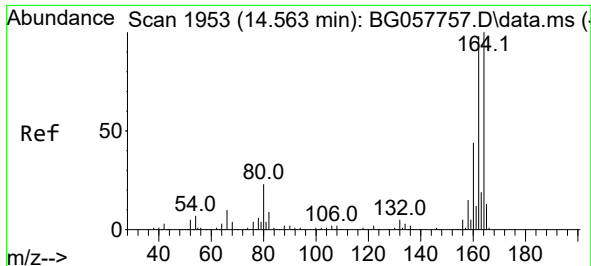
Tgt Ion:	136	Resp:	222545
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.5	9.5	14.3
68	6.9	5.7	8.5



#23
Nitrobenzene-d5
Concen: 76.286 ng
RT: 9.083 min Scan# 1020
Delta R.T. -0.009 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

Tgt Ion:	82	Resp:	330785
Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.7	46.1
54	54.6	49.6	74.4

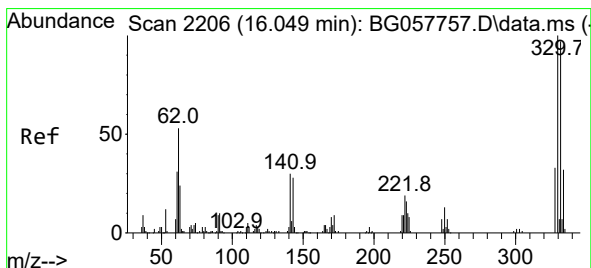
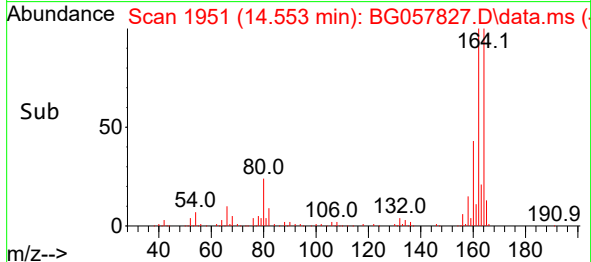
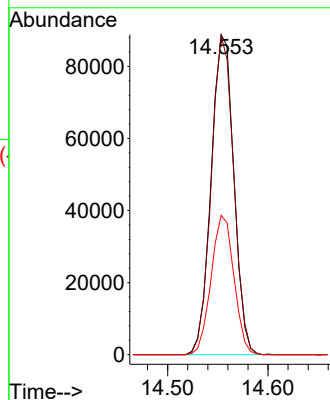
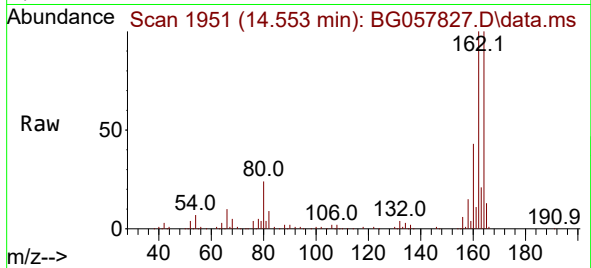




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.553 min Scan# 1953
Delta R.T. -0.009 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

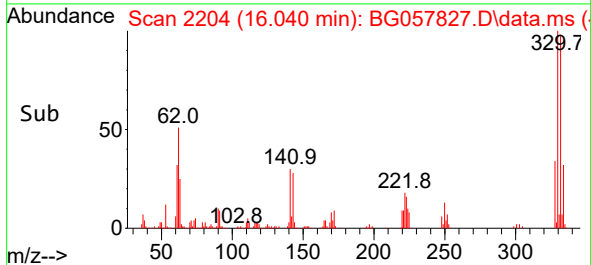
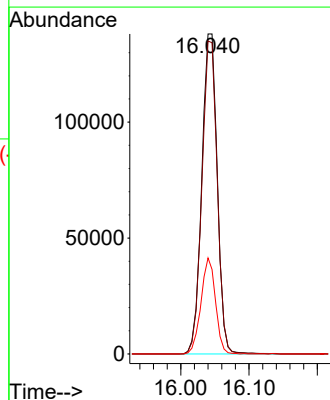
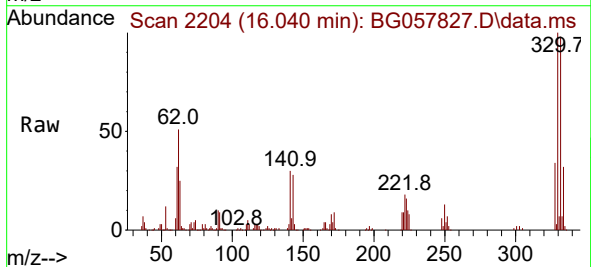
Instrument :
BNA_G
ClientSampleId :
WC-14

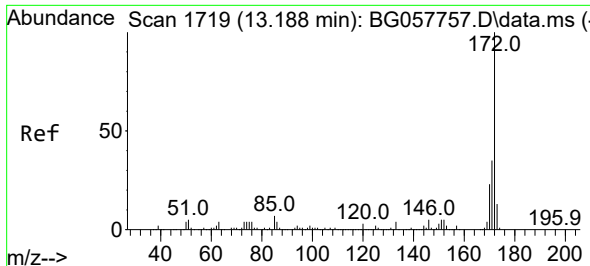
Tgt Ion:164 Resp: 139568
Ion Ratio Lower Upper
164 100
162 99.7 78.3 117.5
160 43.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 111.773 ng
RT: 16.040 min Scan# 2204
Delta R.T. -0.009 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

Tgt Ion:330 Resp: 217305
Ion Ratio Lower Upper
330 100
332 96.8 76.6 115.0
141 28.1 24.7 37.1

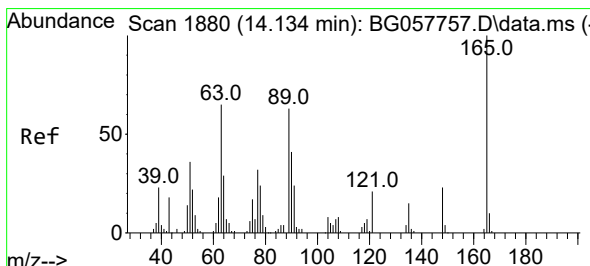
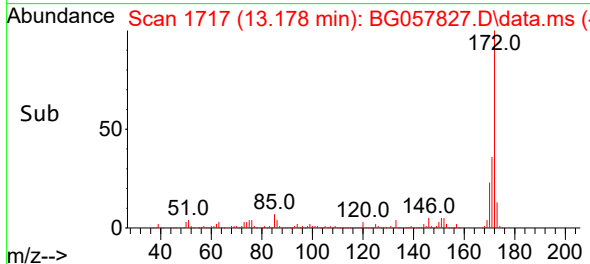
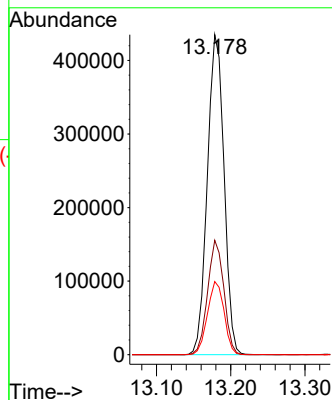
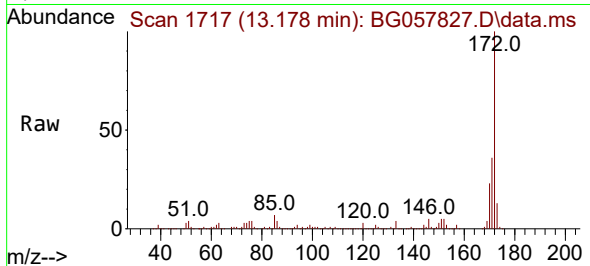




#45
2-Fluorobiphenyl
Concen: 74.086 ng
RT: 13.178 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

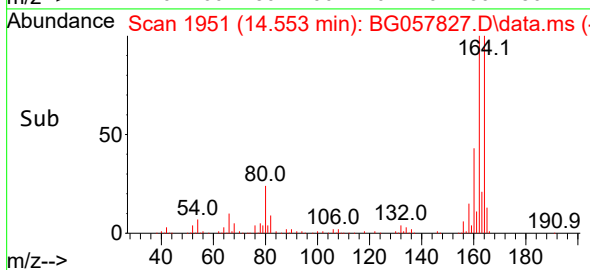
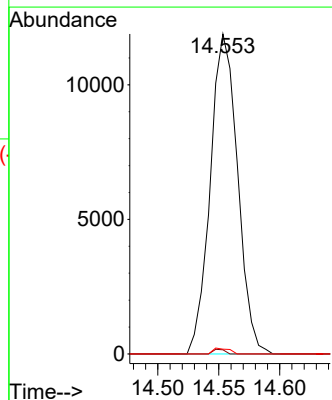
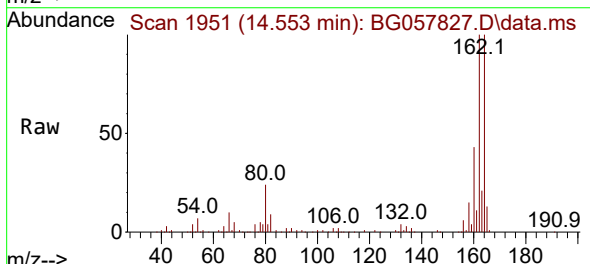
Instrument :
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ClientSampleId :
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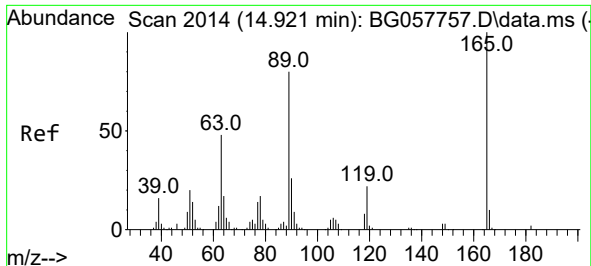
Tgt Ion:172 Resp: 681726
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 22.8 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.413 ng
RT: 14.553 min Scan# 1951
Delta R.T. 0.419 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

Tgt Ion:165 Resp: 18581
Ion Ratio Lower Upper
165 100
63 1.3 52.8 79.2#
89 1.5 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.941 ng

RT: 14.553 min Scan# 1951

Delta R.T. -0.368 min

Lab File: BG057827.D

Acq: 23 Jun 2023 3:55

Instrument :

BNA_G

ClientSampleId :

WC-14

Tgt Ion:165 Resp: 18581

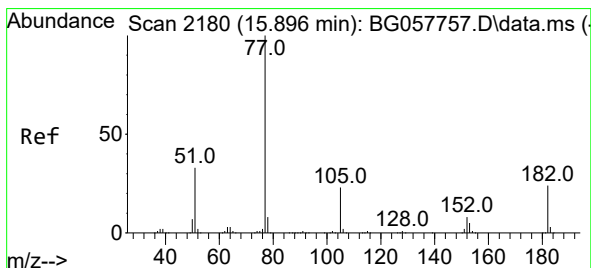
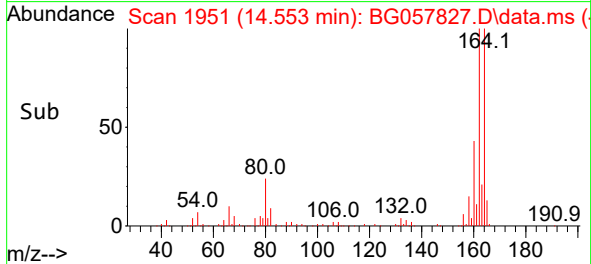
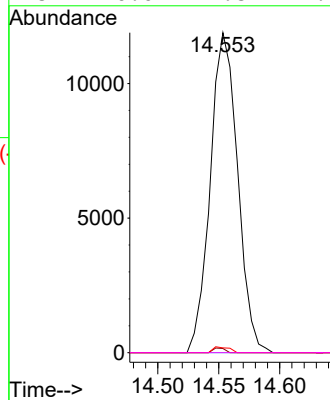
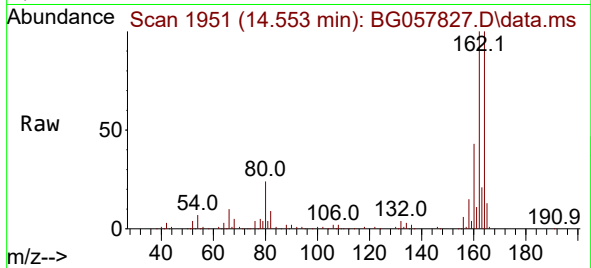
Ion Ratio Lower Upper

165 100

63 1.3 38.6 58.0#

89 1.5 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 3.486 ng

RT: 15.911 min Scan# 2182

Delta R.T. 0.014 min

Lab File: BG057827.D

Acq: 23 Jun 2023 3:55

Tgt Ion: 77 Resp: 39220

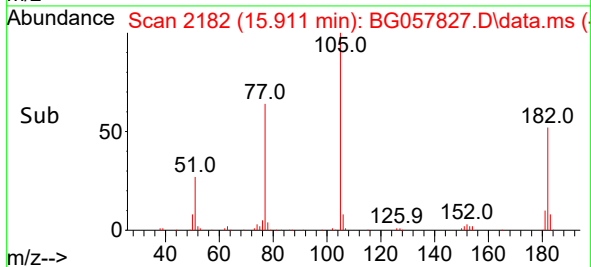
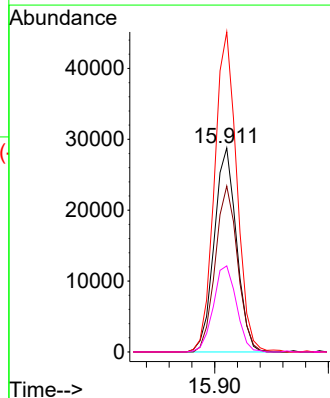
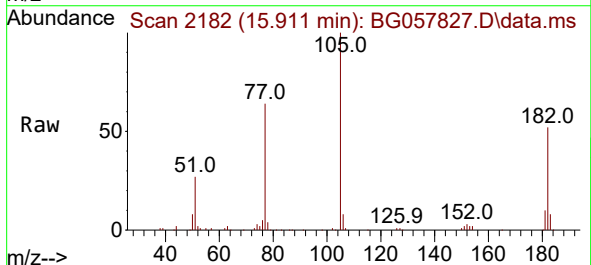
Ion Ratio Lower Upper

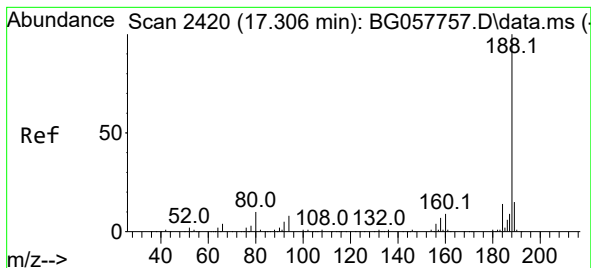
77 100

182 81.4 4.1 44.1#

105 156.9 3.3 43.3#

51 42.2 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.297 min Scan# 24

Delta R.T. -0.009 min

Lab File: BG057827.D

Acq: 23 Jun 2023 3:55

Instrument :

BNA_G

ClientSampleId :

WC-14

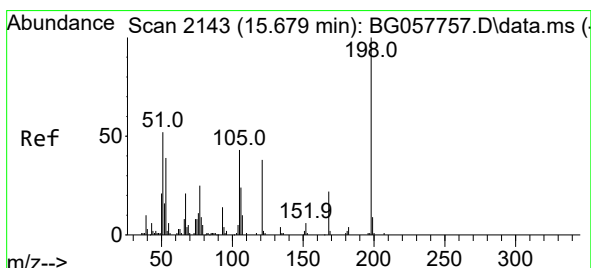
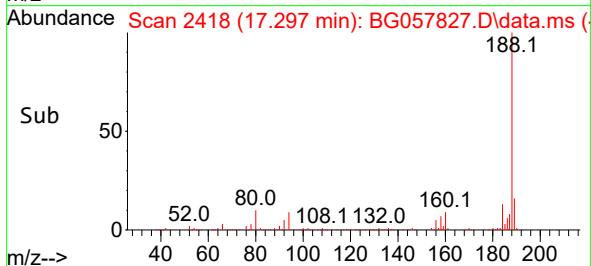
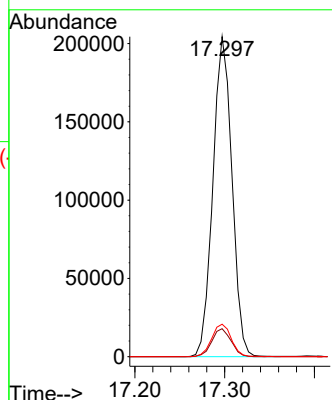
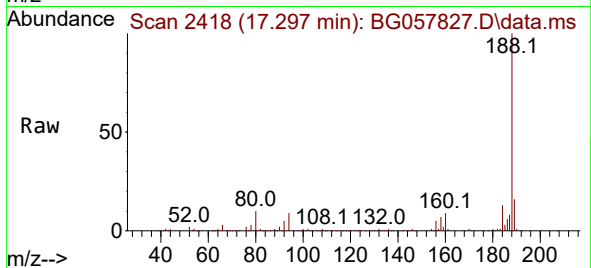
Tgt Ion:188 Resp: 301457

Ion Ratio Lower Upper

188 100

94 8.8 6.6 9.8

80 10.1 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.668 ng

RT: 16.040 min Scan# 2204

Delta R.T. 0.361 min

Lab File: BG057827.D

Acq: 23 Jun 2023 3:55

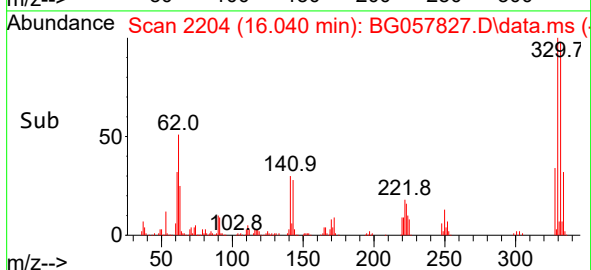
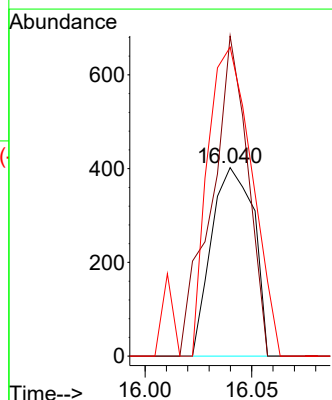
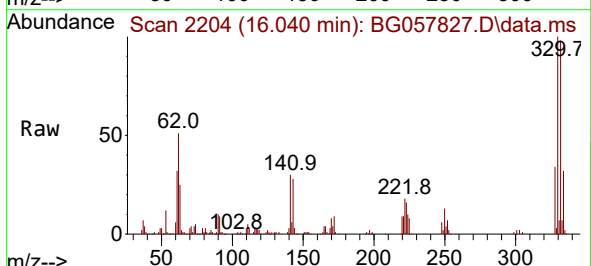
Tgt Ion:198 Resp: 555

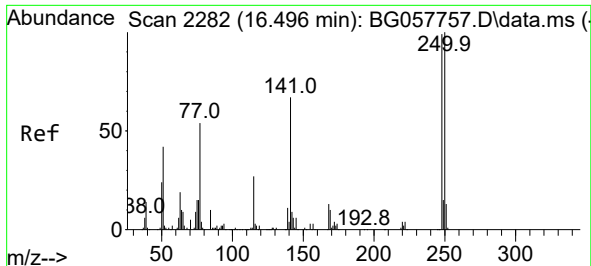
Ion Ratio Lower Upper

198 100

51 169.9 36.6 76.6#

105 163.9 24.3 64.3#

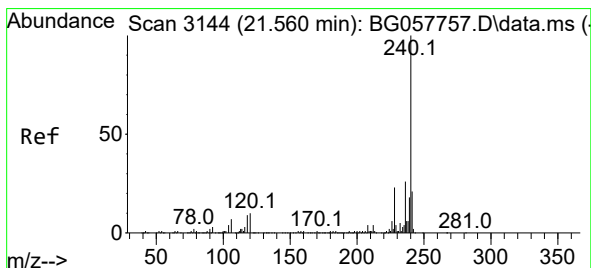
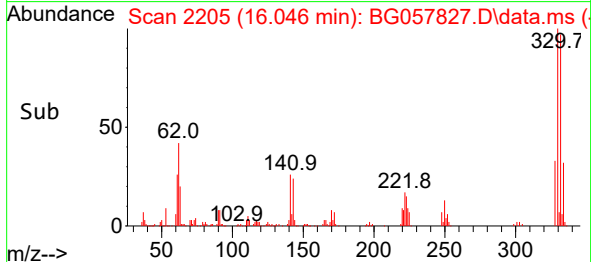
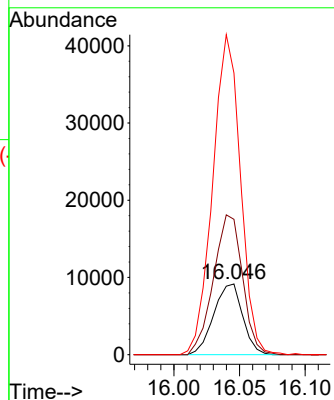
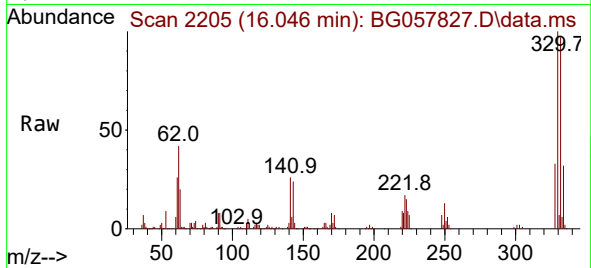




#67
4-Bromophenyl-phenylether
Concen: 4.393 ng
RT: 16.046 min Scan# 21
Delta R.T. -0.450 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

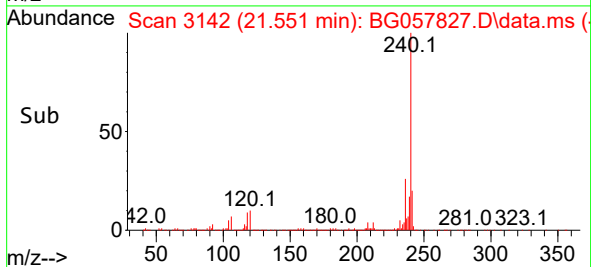
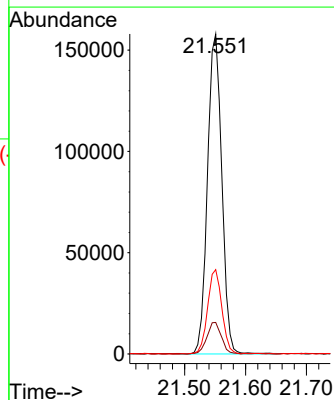
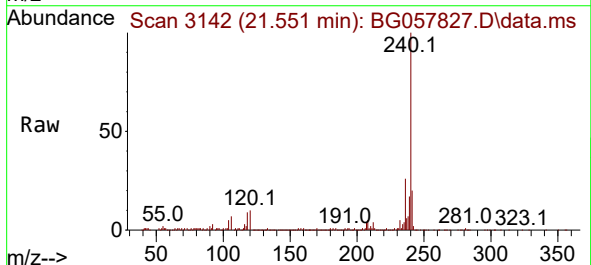
Instrument :
BNA_G
ClientSampleId :
WC-14

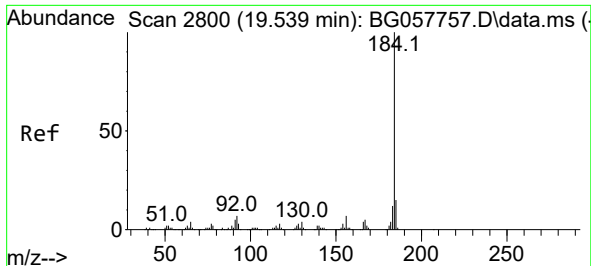
Tgt Ion:248 Resp: 14045
Ion Ratio Lower Upper
248 100
250 191.3 81.1 121.7#
141 397.8 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.551 min Scan# 3142
Delta R.T. -0.009 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

Tgt Ion:240 Resp: 257745
Ion Ratio Lower Upper
240 100
120 9.9 8.1 12.1
236 26.3 20.6 30.8

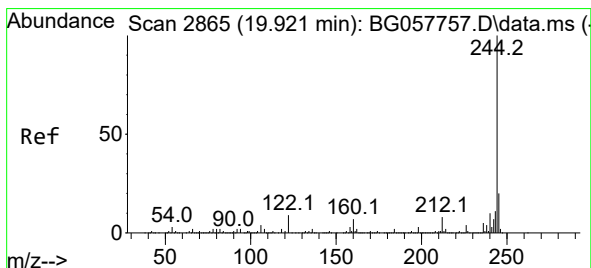
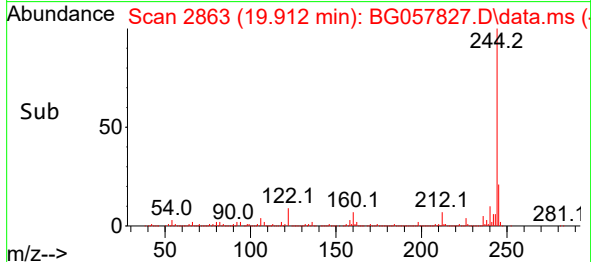
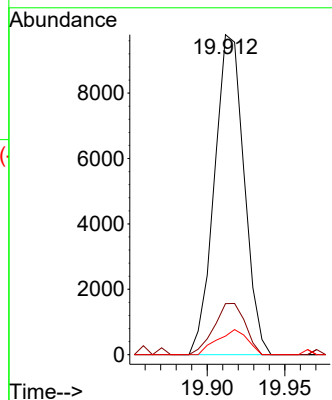
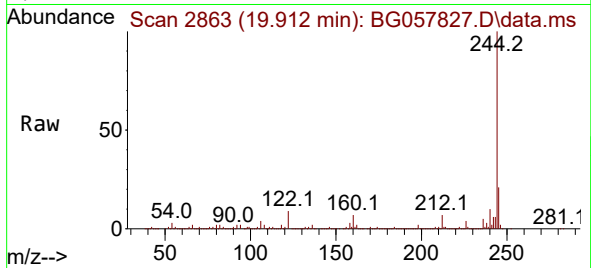




#77
Benzidine
Concen: 2.153 ng
RT: 19.912 min Scan# 2863
Delta R.T. 0.373 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

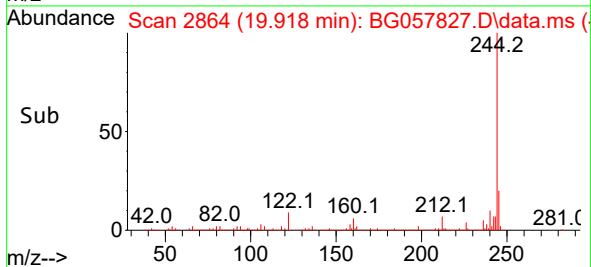
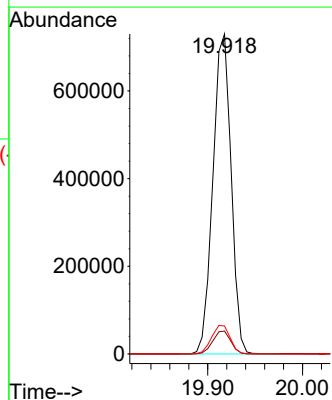
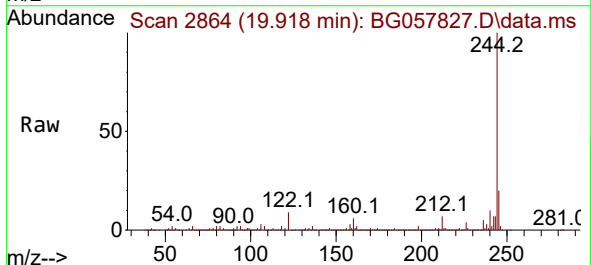
Instrument :
BNA_G
ClientSampleId :
WC-14

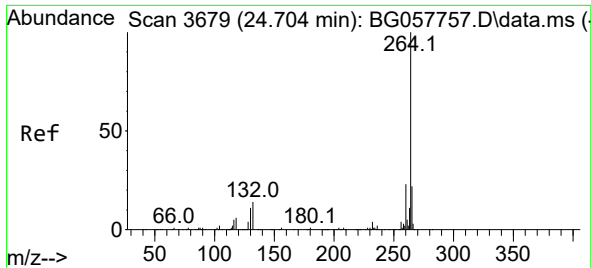
Tgt Ion:184 Resp: 13010
Ion Ratio Lower Upper
184 100
185 16.0 12.0 18.0
183 5.8 9.4 14.0#



#79
Terphenyl-d14
Concen: 70.575 ng
RT: 19.918 min Scan# 2864
Delta R.T. -0.003 min
Lab File: BG057827.D
Acq: 23 Jun 2023 3:55

Tgt Ion:244 Resp: 975534
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 8.8 7.6 11.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.700 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: BG057827.D
 Acq: 23 Jun 2023 3:55

Instrument :
 BNA_G
 ClientSampleId :
 WC-14

Tgt Ion:264	Resp:	312284
Ion Ratio	Lower	Upper
264	100	
260	23.8	18.5 27.7
265	22.2	17.4 26.2

