

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057824.D
 Acq On : 23 Jun 2023 1:50
 Operator : CG/JU
 Sample : 03308-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-LEFT

Quant Time: Jun 23 03:48:45 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)

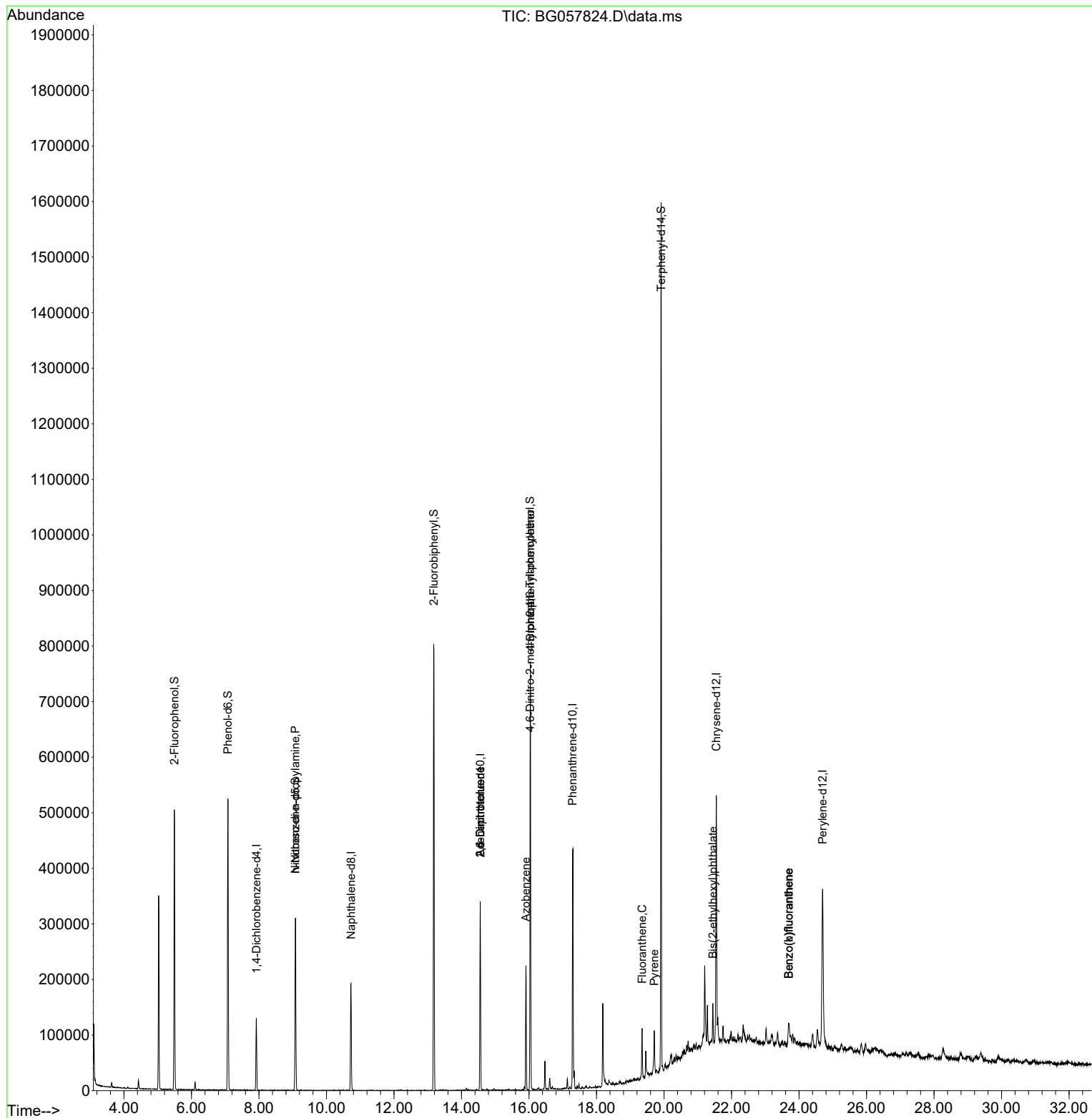
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	36411	20.000	ng	0.00
21) Naphthalene-d8	10.726	136	164090	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	122289	20.000	ng	0.00
64) Phenanthrene-d10	17.295	188	285481	20.000	ng	-0.01
76) Chrysene-d12	21.548	240	247584	20.000	ng	-0.01
86) Perylene-d12	24.698	264	303027	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	210569	89.170	ng	0.00
7) Phenol-d6	7.077	99	318532	88.403	ng	-0.01
23) Nitrobenzene-d5	9.081	82	182596	57.112	ng	-0.01
42) 2,4,6-Tribromophenol	16.037	330	158104	92.813	ng	-0.01
45) 2-Fluorobiphenyl	13.182	172	444235	55.098	ng	0.00
79) Terphenyl-d14	19.915	244	786402	59.228	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.081	70	22804	9.078	ng	# 79
51) 2,6-Dinitrotoluene	14.557	165	15676	9.063	ng	# 19
57) 2,4-Dinitrotoluene	14.557	165	15676	6.683	ng	# 19
63) Azobenzene	15.908	77	61749	6.265	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.031	198	268	5.493	ng	# 70
67) 4-Bromophenyl-phenylether	16.043	248	10486	3.463	ng	# 1
75) Fluoranthene	19.351	202	52922	3.214	ng	99
78) Pyrene	19.709	202	47559	2.693	ng	98
84) Bis(2-ethylhexyl)phtha...	21.448	149	28904	2.963	ng	# 97
88) Benzo(b)fluoranthene	23.693	252	44294	2.667	ng	94
89) Benzo(k)fluoranthene	23.693	252	44294	2.619	ng	96

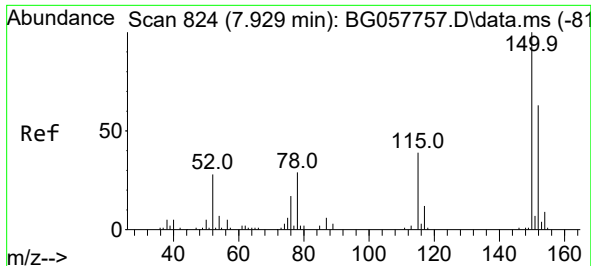
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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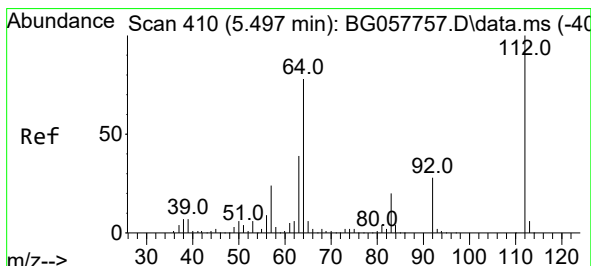
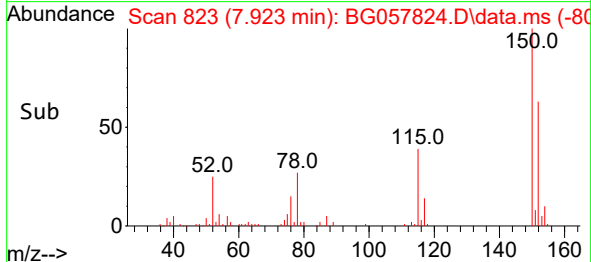
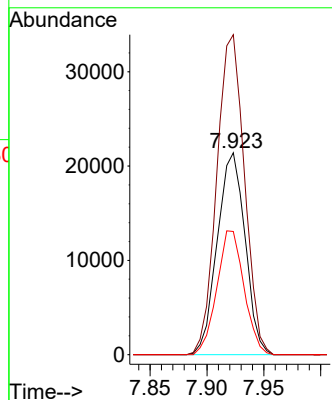
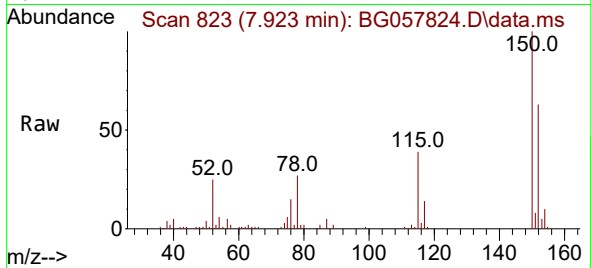




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

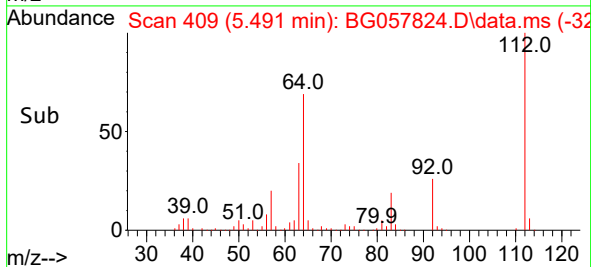
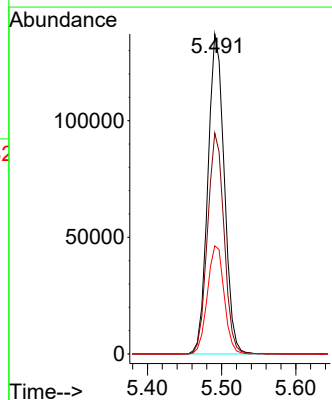
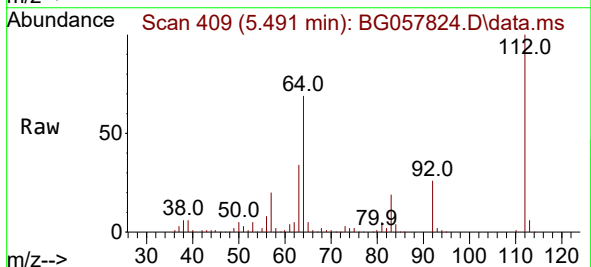
Instrument :
BNA_G
ClientSampleId :
SP-LEFT

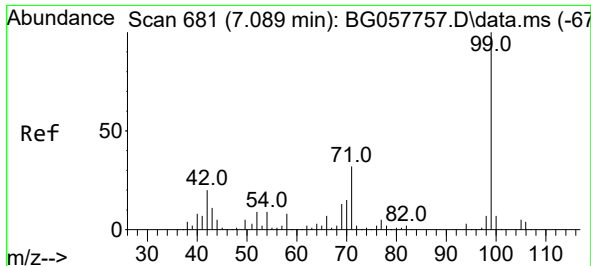
Tgt Ion:152 Resp: 36411
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 61.0 48.9 73.3



#5
2-Fluorophenol
Concen: 89.170 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.006 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

Tgt Ion:112 Resp: 210569
Ion Ratio Lower Upper
112 100
64 69.0 62.1 93.1
63 33.8 31.5 47.3

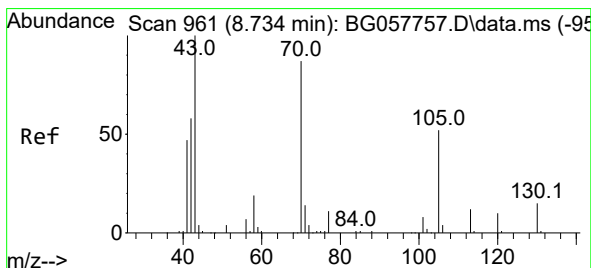
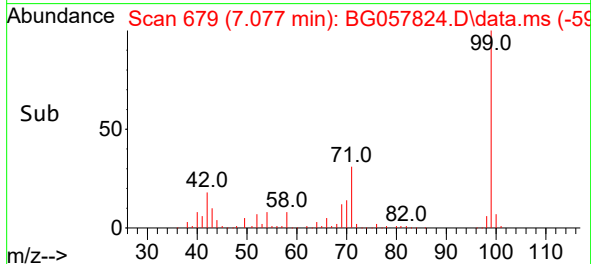
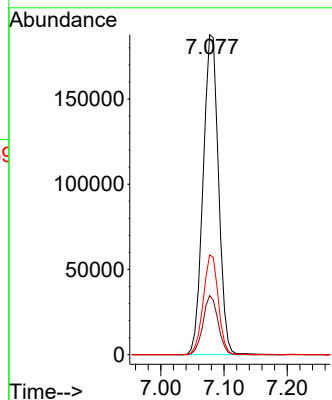
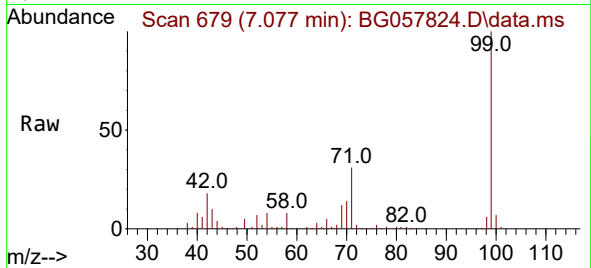




#7
Phenol-d6
Concen: 88.403 ng
RT: 7.077 min Scan# 61
Delta R.T. -0.012 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

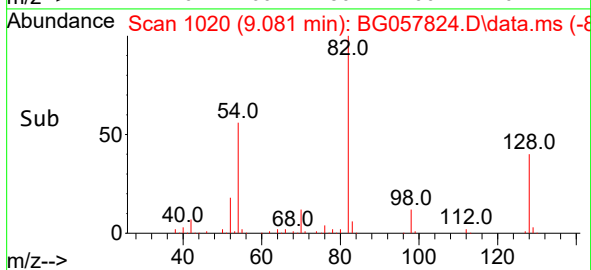
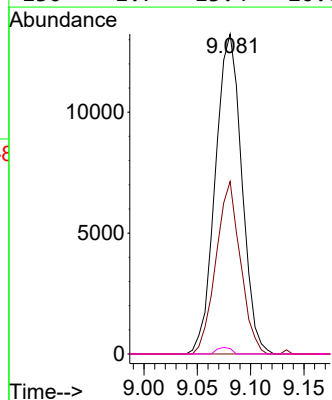
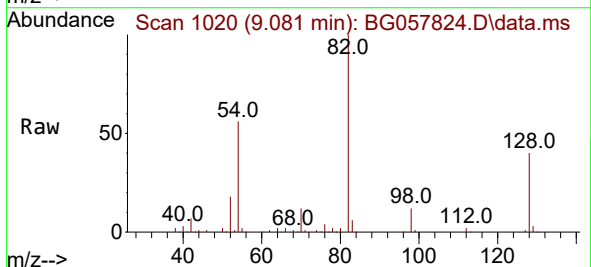
Instrument :
BNA_G
ClientSampleId :
SP-LEFT

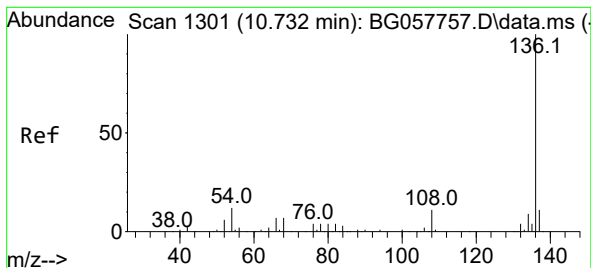
Tgt Ion: 99 Resp: 318532
Ion Ratio Lower Upper
99 100
42 18.5 16.4 24.6
71 31.2 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.078 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.347 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

Tgt Ion: 70 Resp: 22804
Ion Ratio Lower Upper
70 100
42 53.9 54.2 81.2#
101 0.0 7.4 11.0#
130 1.7 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: BG057824.D

Acq: 23 Jun 2023 1:50

Instrument :

BNA_G

ClientSampleId :

SP-LEFT

Tgt Ion:136 Resp: 164090

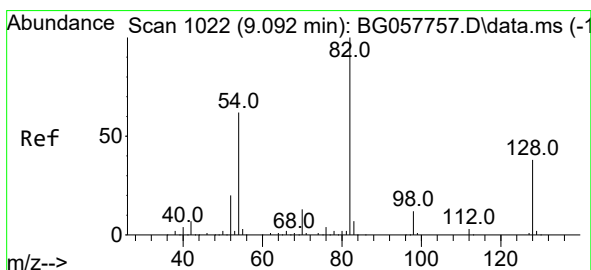
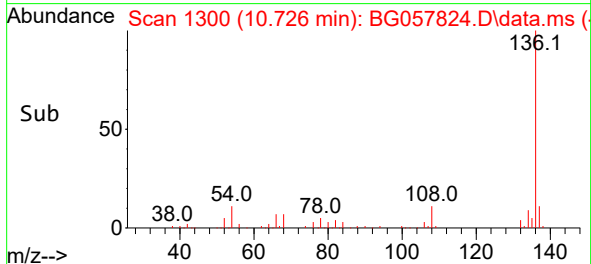
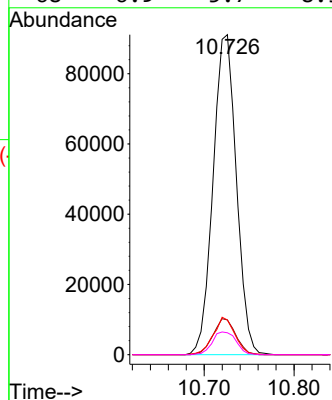
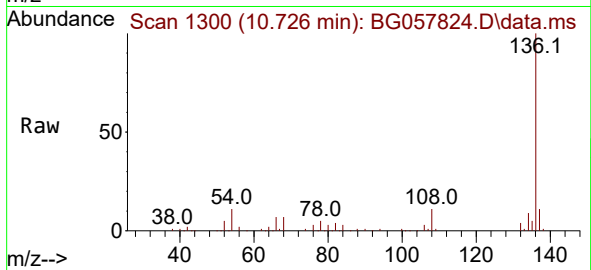
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.9 9.5 14.3

68 6.9 5.7 8.5



#23

Nitrobenzene-d5

Concen: 57.112 ng

RT: 9.081 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BG057824.D

Acq: 23 Jun 2023 1:50

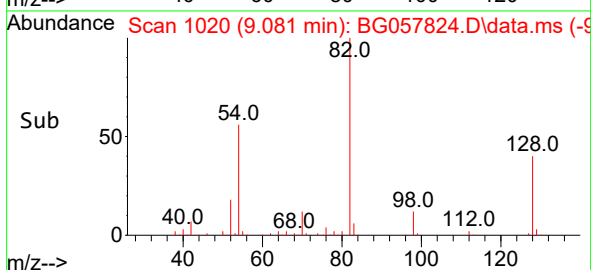
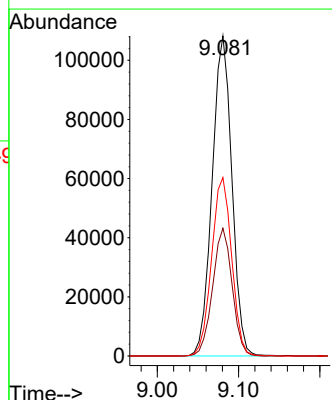
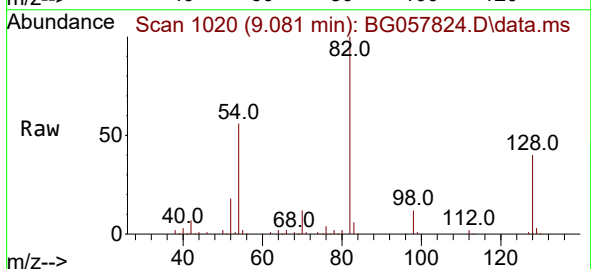
Tgt Ion: 82 Resp: 182596

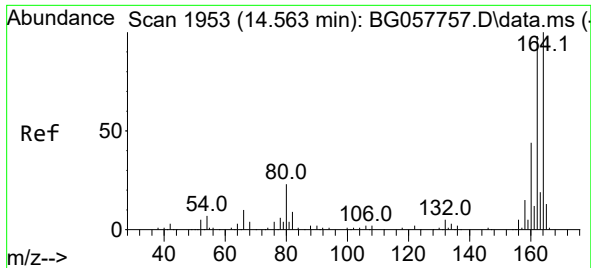
Ion Ratio Lower Upper

82 100

128 39.9 30.7 46.1

54 55.7 49.6 74.4

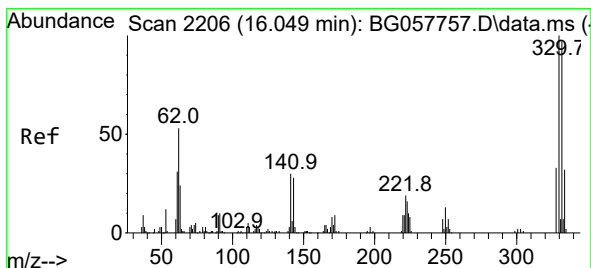
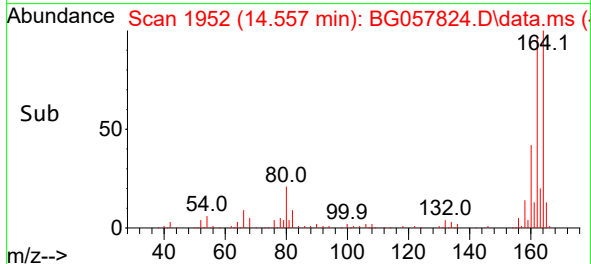
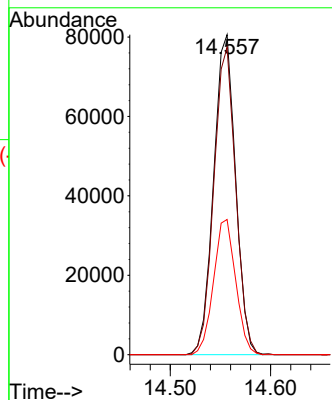
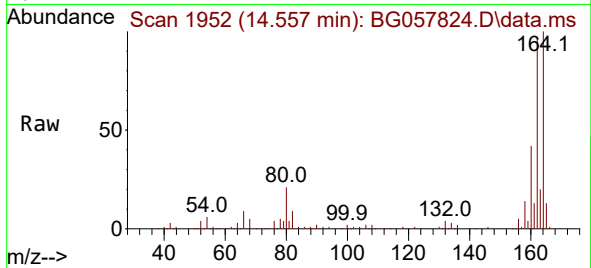




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

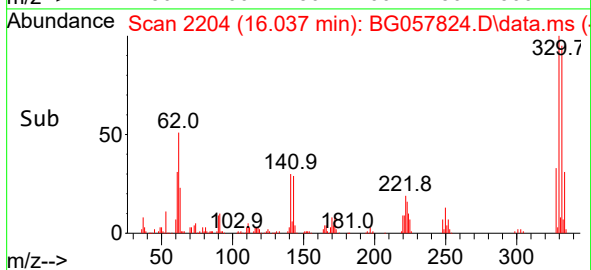
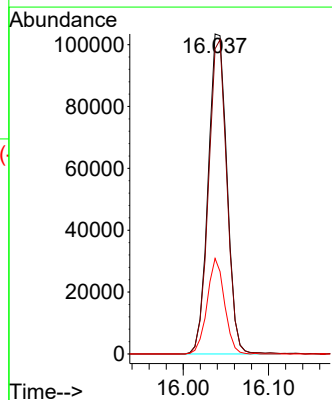
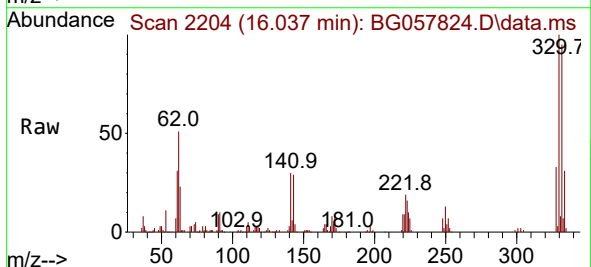
Instrument :
BNA_G
ClientSampleId :
SP-LEFT

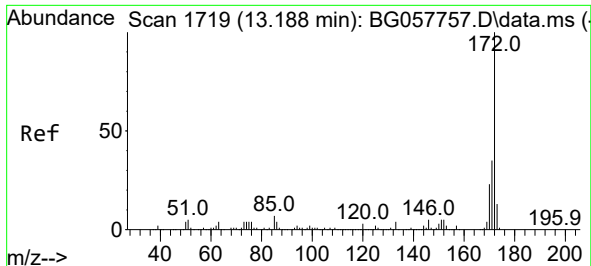
Tgt Ion:164 Resp: 122289
Ion Ratio Lower Upper
164 100
162 96.0 78.3 117.5
160 42.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 92.813 ng
RT: 16.037 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

Tgt Ion:330 Resp: 158104
Ion Ratio Lower Upper
330 100
332 95.8 76.6 115.0
141 27.6 24.7 37.1

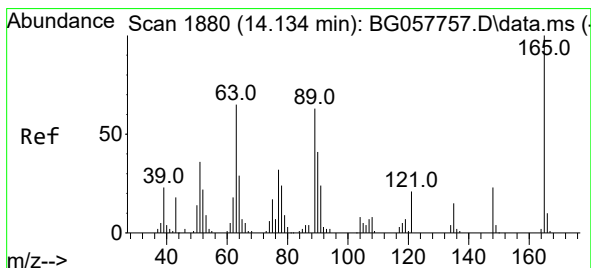
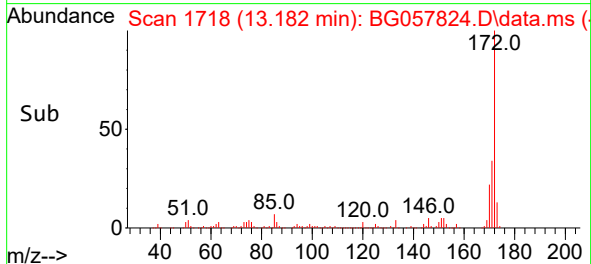
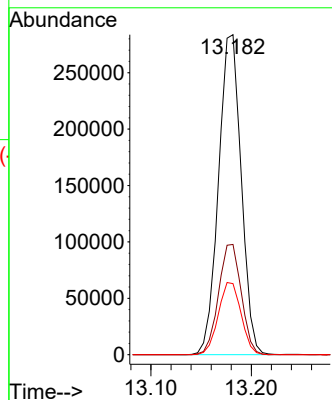
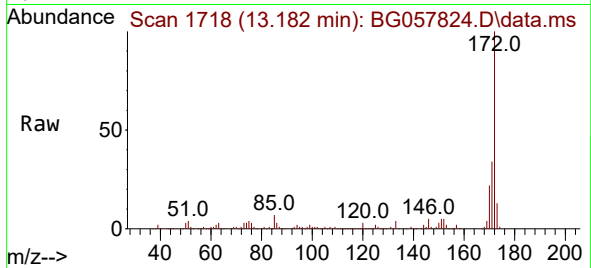




#45
2-Fluorobiphenyl
Concen: 55.098 ng
RT: 13.182 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

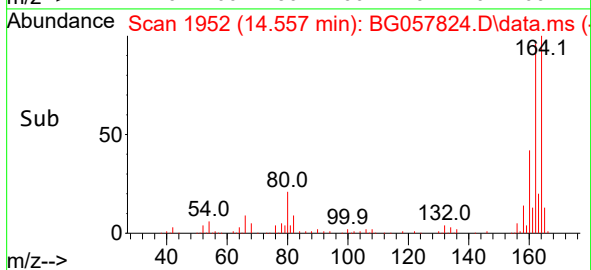
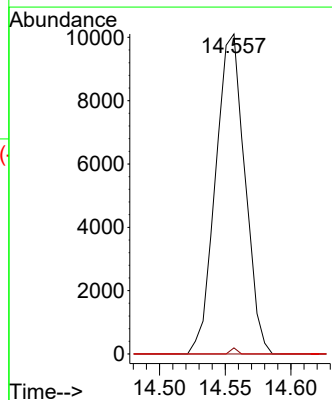
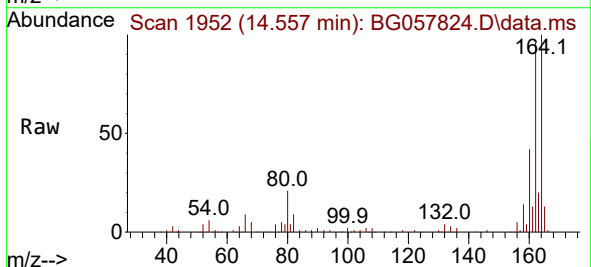
Instrument :
BNA_G
ClientSampleId :
SP-LEFT

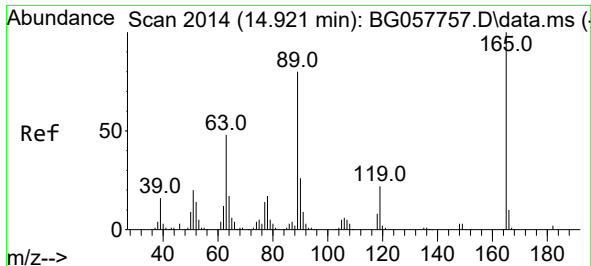
Tgt Ion:172 Resp: 444235
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 22.2 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.063 ng
RT: 14.557 min Scan# 1952
Delta R.T. 0.423 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

Tgt Ion:165 Resp: 15676
Ion Ratio Lower Upper
165 100
63 1.9 52.8 79.2#
89 0.0 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 6.683 ng

RT: 14.557 min Scan# 1952

Delta R.T. -0.364 min

Lab File: BG057824.D

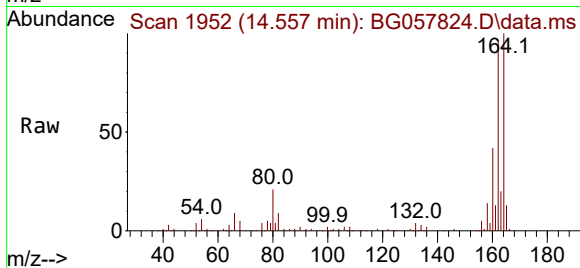
Acq: 23 Jun 2023 1:50

Instrument :

BNA_G

ClientSampleId :

SP-LEFT



Tgt Ion:165 Resp: 15676

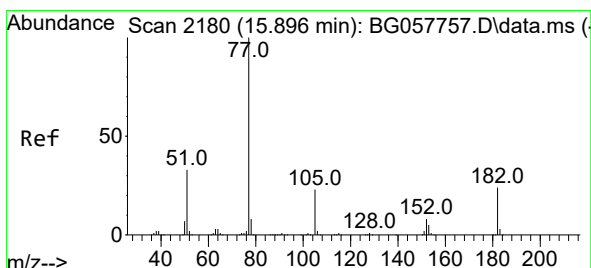
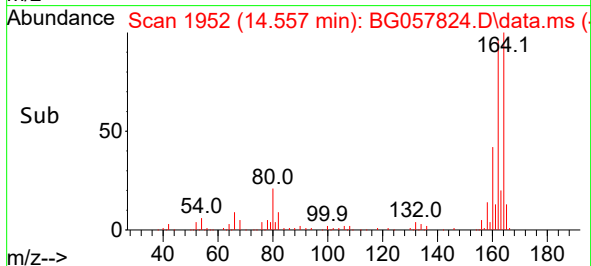
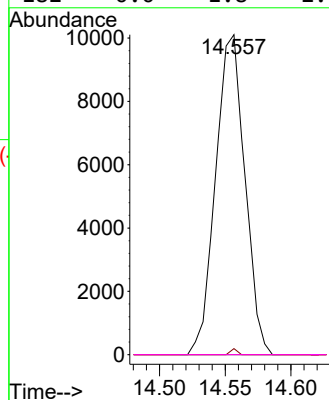
Ion Ratio Lower Upper

165 100

63 1.9 38.6 58.0#

89 0.0 63.7 95.5#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 6.265 ng

RT: 15.908 min Scan# 2182

Delta R.T. 0.012 min

Lab File: BG057824.D

Acq: 23 Jun 2023 1:50

Tgt Ion: 77 Resp: 61749

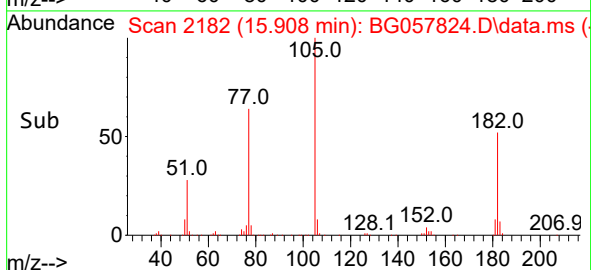
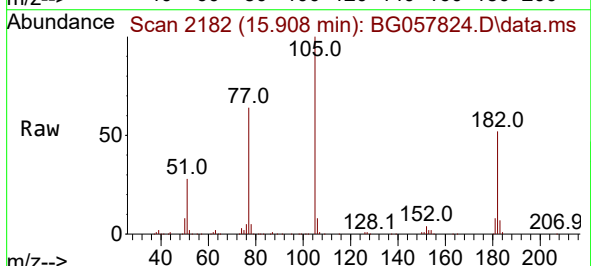
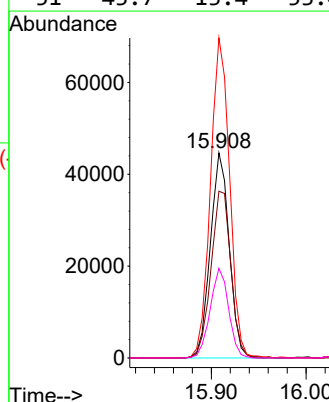
Ion Ratio Lower Upper

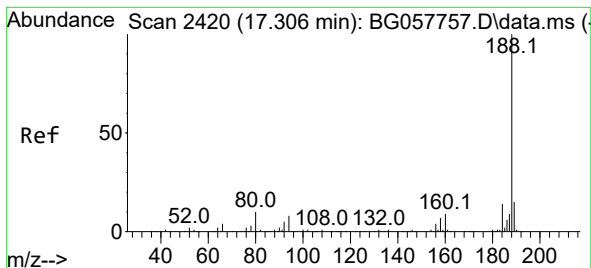
77 100

182 81.3 4.1 44.1#

105 155.9 3.3 43.3#

51 43.7 13.4 53.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.295 min Scan# 24

Delta R.T. -0.012 min

Lab File: BG057824.D

Acq: 23 Jun 2023 1:50

Instrument :

BNA_G

ClientSampleId :

SP-LEFT

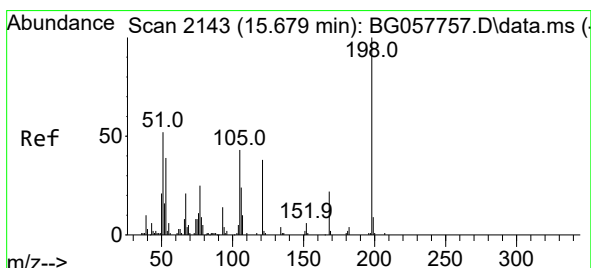
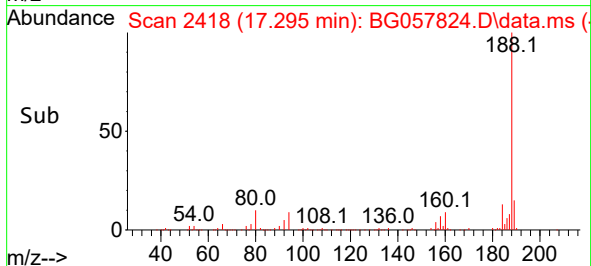
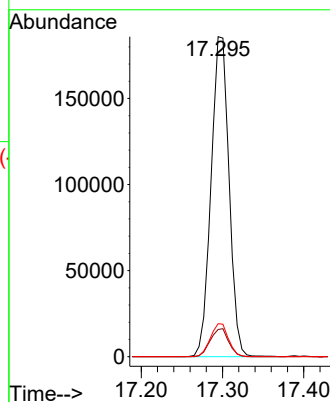
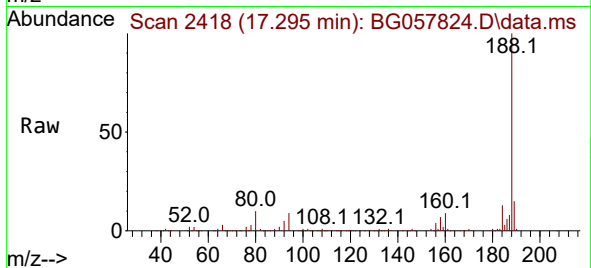
Tgt Ion:188 Resp: 285481

Ion Ratio Lower Upper

188 100

94 8.5 6.6 9.8

80 10.3 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 5.493 ng

RT: 16.031 min Scan# 2203

Delta R.T. 0.352 min

Lab File: BG057824.D

Acq: 23 Jun 2023 1:50

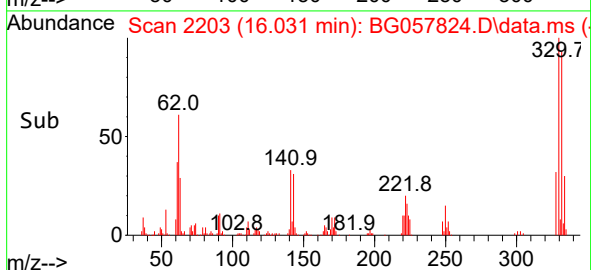
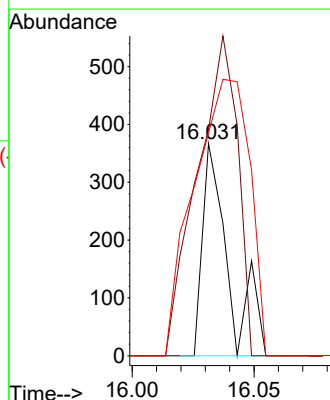
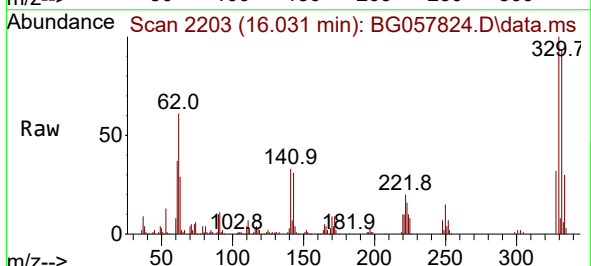
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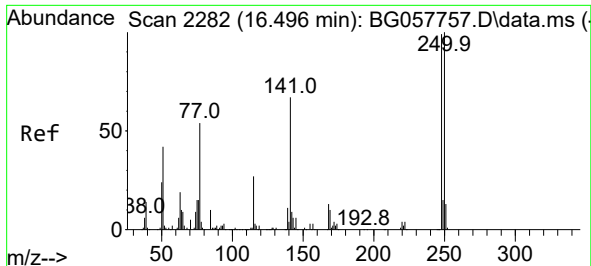
Ion Ratio Lower Upper

198 100

51 30.4 36.6 76.6#

105 30.0 24.3 64.3

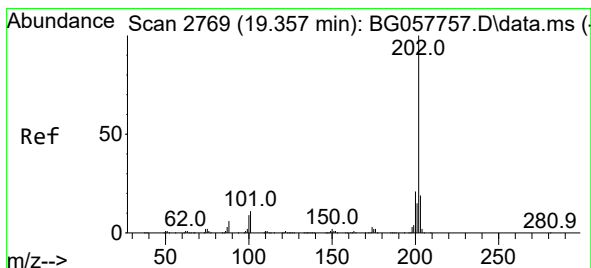
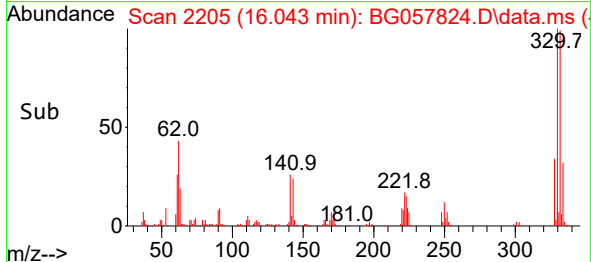
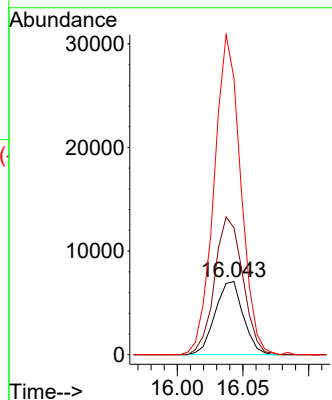
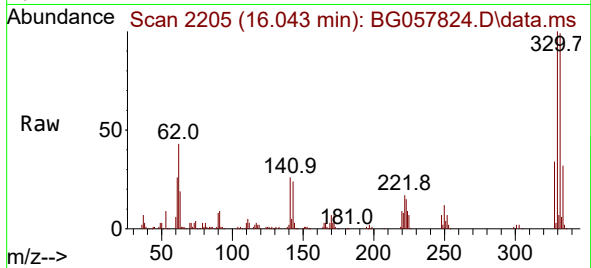




#67
4-Bromophenyl-phenylether
Concen: 3.463 ng
RT: 16.043 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

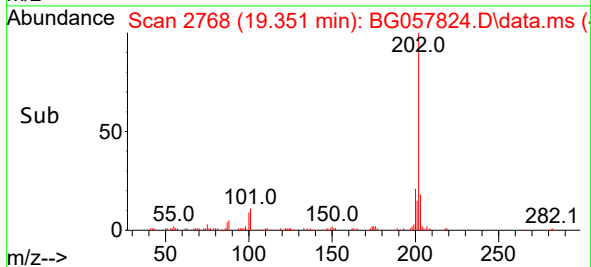
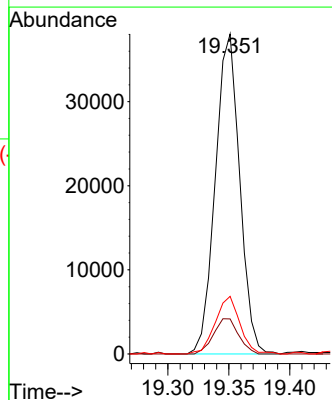
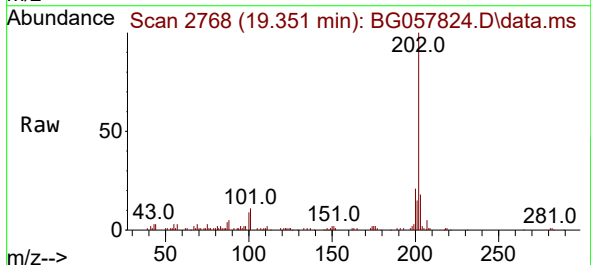
Instrument :
BNA_G
ClientSampleId :
SP-LEFT

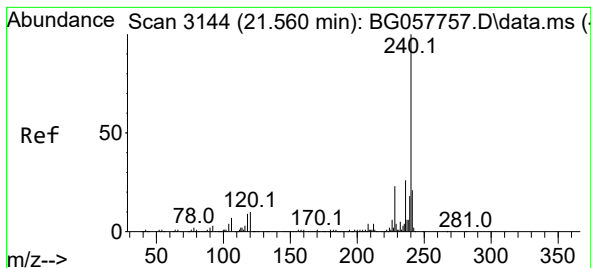
Tgt Ion:248 Resp: 10486
Ion Ratio Lower Upper
248 100
250 173.7 81.1 121.7#
141 378.1 54.6 81.8#



#75
Fluoranthene
Concen: 3.214 ng
RT: 19.351 min Scan# 2768
Delta R.T. -0.006 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

Tgt Ion:202 Resp: 52922
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 18.0 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.548 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG057824.D

Acq: 23 Jun 2023 1:50

Instrument :

BNA_G

ClientSampleId :

SP-LEFT

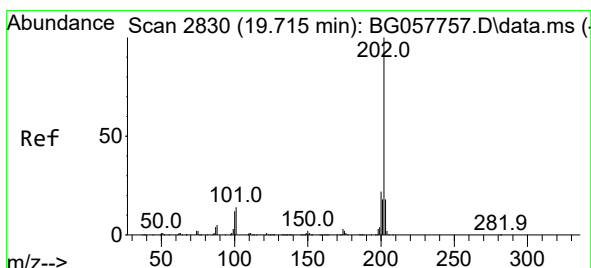
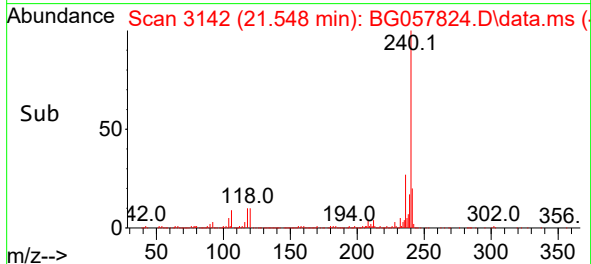
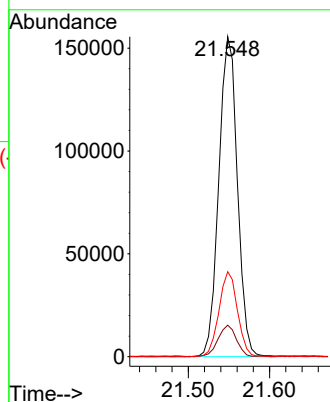
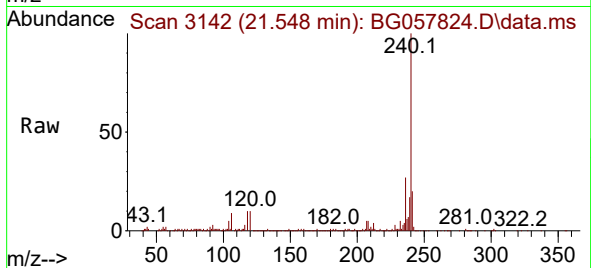
Tgt Ion:240 Resp: 247584

Ion Ratio Lower Upper

240 100

120 9.8 8.1 12.1

236 26.6 20.6 30.8



#78

Pyrene

Concen: 2.693 ng

RT: 19.709 min Scan# 2829

Delta R.T. -0.006 min

Lab File: BG057824.D

Acq: 23 Jun 2023 1:50

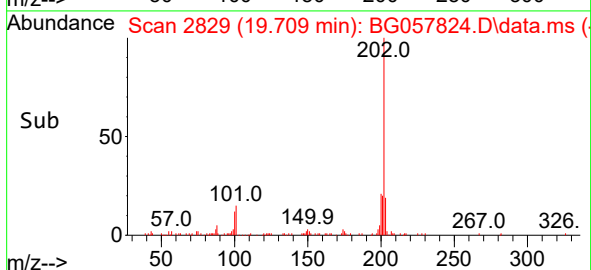
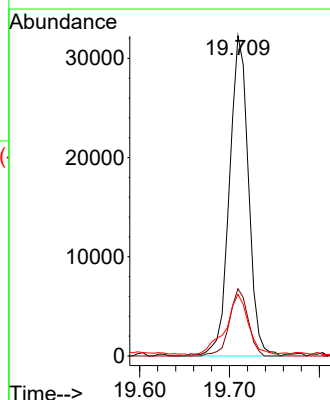
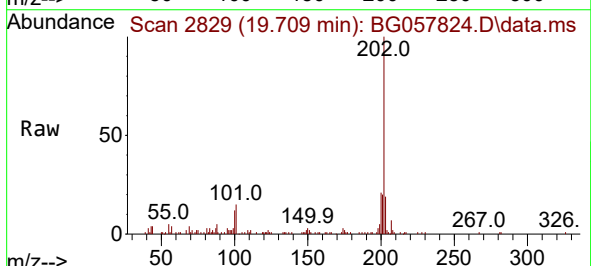
Tgt Ion:202 Resp: 47559

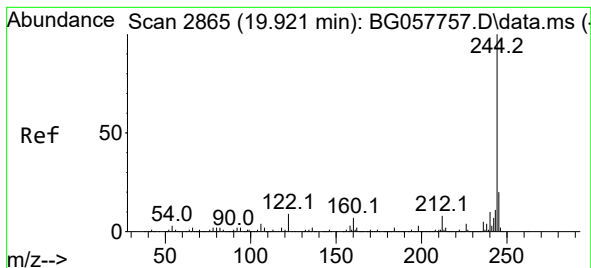
Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.0

203 19.2 14.6 22.0





#79

Terphenyl-d14

Concen: 59.228 ng

RT: 19.915 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG057824.D

Acq: 23 Jun 2023 1:50

Instrument :

BNA_G

ClientSampleId :

SP-LEFT

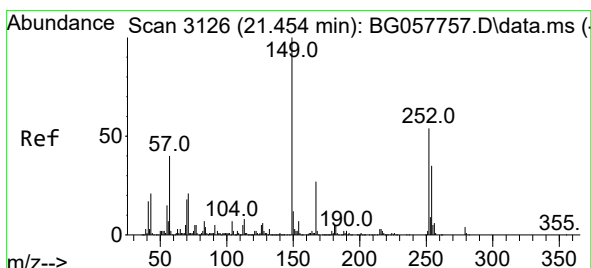
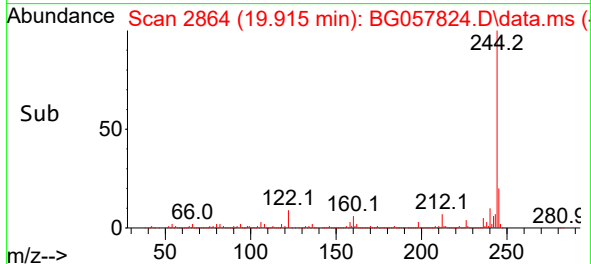
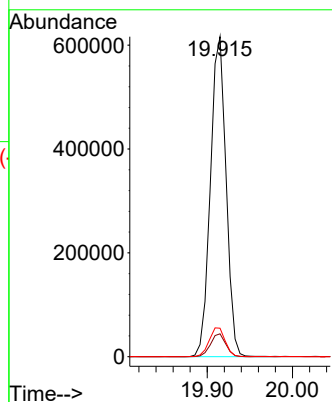
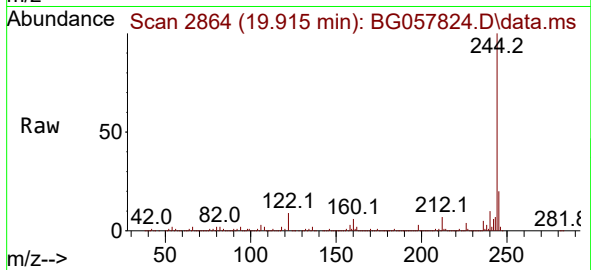
Tgt Ion:244 Resp: 786402

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 8.9 7.6 11.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.963 ng

RT: 21.448 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BG057824.D

Acq: 23 Jun 2023 1:50

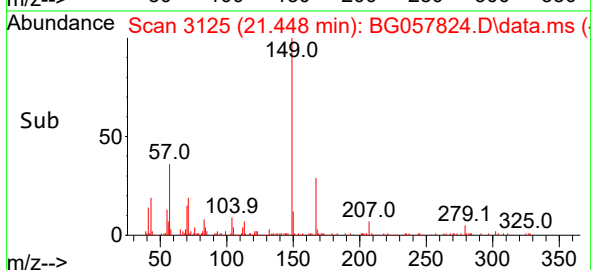
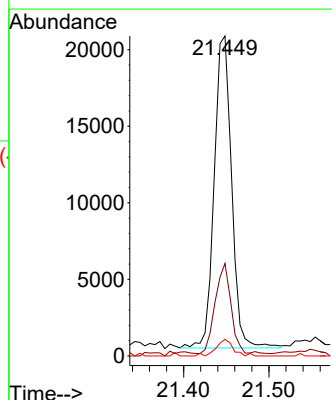
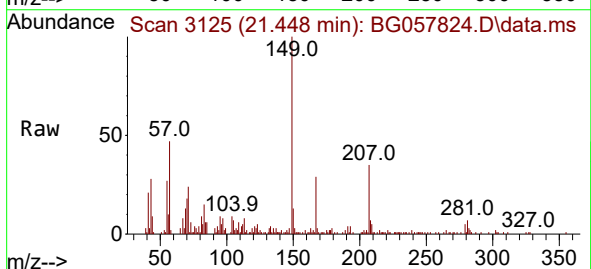
Tgt Ion:149 Resp: 28904

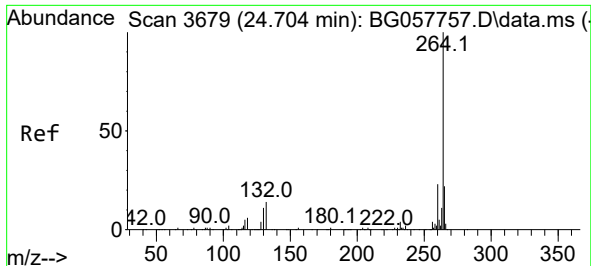
Ion Ratio Lower Upper

149 100

167 28.9 21.8 32.8

279 5.2 2.9 4.3#

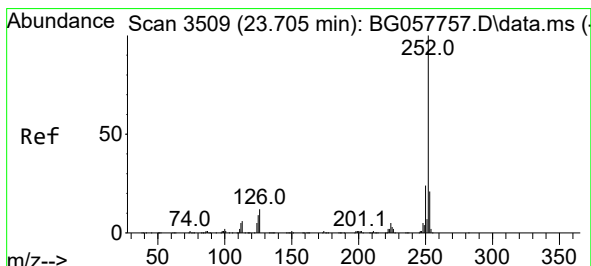
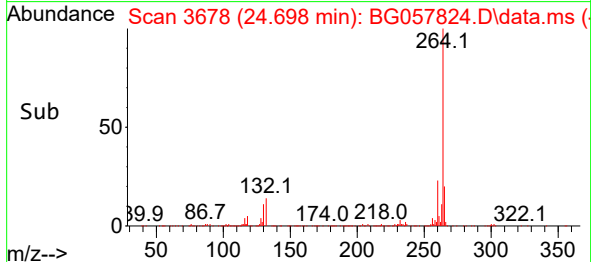
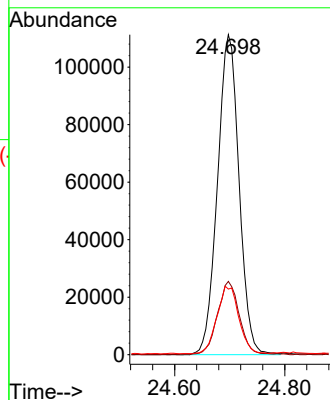
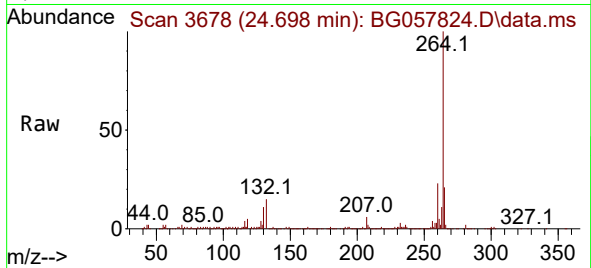




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.698 min Scan# 30
Delta R.T. -0.006 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

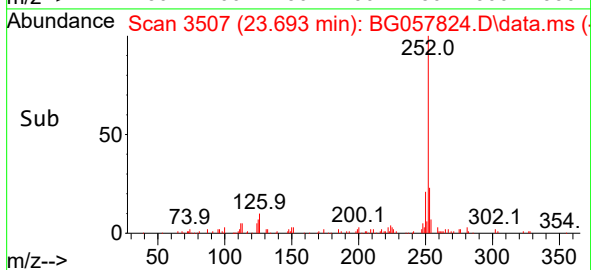
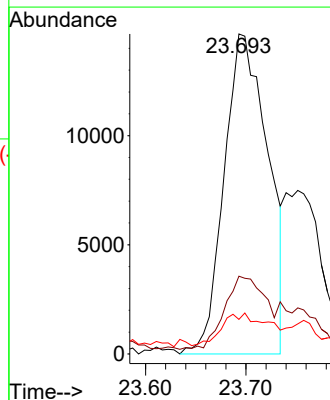
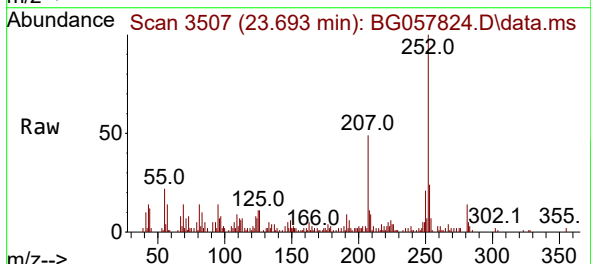
Instrument :
BNA_G
ClientSampleId :
SP-LEFT

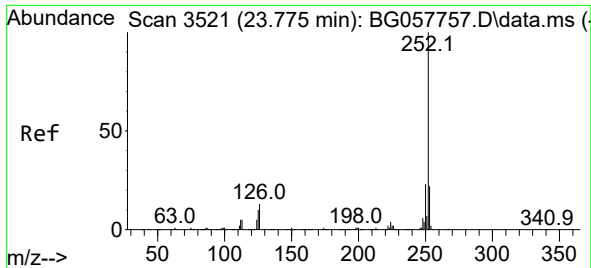
Tgt Ion:264 Resp: 303027
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 20.5 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 2.667 ng
RT: 23.693 min Scan# 3507
Delta R.T. -0.012 min
Lab File: BG057824.D
Acq: 23 Jun 2023 1:50

Tgt Ion:252 Resp: 44294
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 10.8 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 2.619 ng

RT: 23.693 min Scan# 3

Delta R.T. -0.082 min

Lab File: BG057824.D

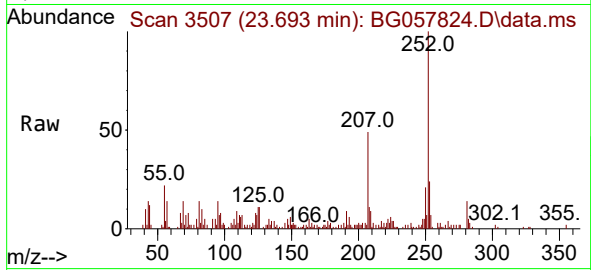
Acq: 23 Jun 2023 1:50

Instrument :

BNA_G

ClientSampleId :

SP-LEFT



Tgt Ion:252 Resp: 44294

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

125 10.8 7.6 11.4

