

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
 Data File : BG057118.D
 Acq On : 17 Apr 2023 19:51
 Operator : CG/JU
 Sample : 02357-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P2-S1-230413

Quant Time: Apr 18 01:21:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 19:00:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

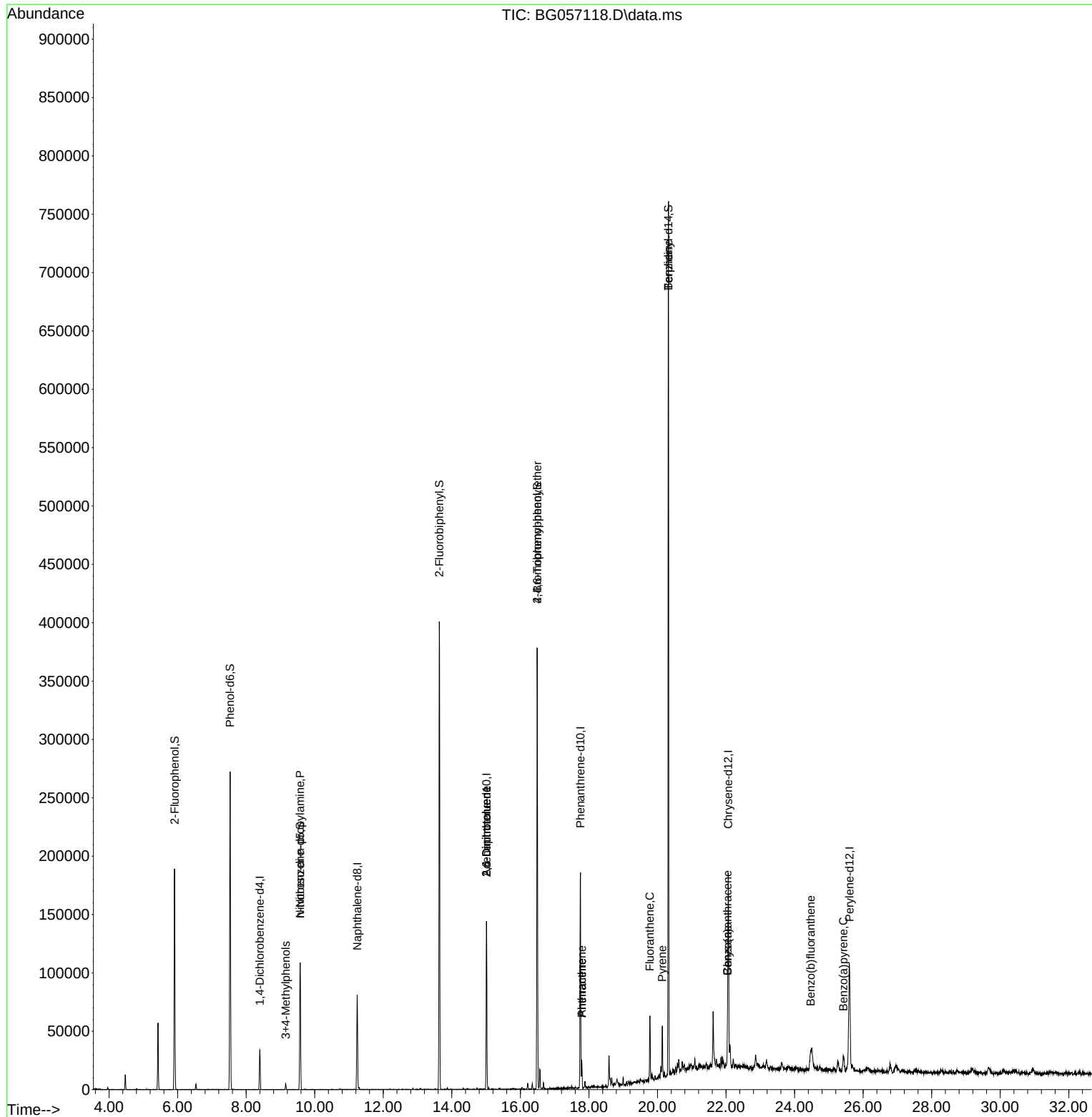
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.396	152	9644	20.000	ng	-0.02
21) Naphthalene-d8	11.239	136	67311	20.000	ng	# 0.00
39) Acenaphthene-d10	15.010	164	49074	20.000	ng	0.00
64) Phenanthrene-d10	17.753	188	115275	20.000	ng	# 0.00
76) Chrysene-d12	22.065	240	95517	20.000	ng	#-0.02
86) Perylene-d12	25.602	264	104637	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.911	112	78652	130.525	ng	0.00
7) Phenol-d6	7.532	99	158965	176.386	ng	0.00
23) Nitrobenzene-d5	9.576	82	69943	42.518	ng	0.00
42) 2,4,6-Tribromophenol	16.490	330	74843	95.466	ng	0.00
45) 2-Fluorobiphenyl	13.635	172	202458	55.943	ng	0.00
79) Terphenyl-d14	20.321	244	365246	64.706	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.576	70	9939	15.418	ng	# 78
20) 3+4-Methylphenols	9.153	107	3058	3.433	ng	# 80
51) 2,6-Dinitrotoluene	15.010	165	6509	7.791	ng	# 18
57) 2,4-Dinitrotoluene	15.010	165	6509	5.524	ng	# 18
67) 4-Bromophenyl-phenylether	16.490	248	4569	3.203	ng	# 1
71) Phenanthrene	17.795	178	14691	2.500	ng	95
72) Anthracene	17.795	178	14691	2.438	ng	96
75) Fluoranthene	19.780	202	33859	4.545	ng	96
77) Benzidine	20.321	184	5783	2.215	ng	# 91
78) Pyrene	20.138	202	28384	4.296	ng	99
81) Benzo(a)anthracene	22.042	228	16775	2.538	ng	96
83) Chrysene	22.042	228	16775	2.711	ng	93
88) Benzo(b)fluoranthene	24.468	252	21054	3.218	ng	# 94
90) Benzo(a)pyrene	25.419	252	15981	2.485	ng	# 96

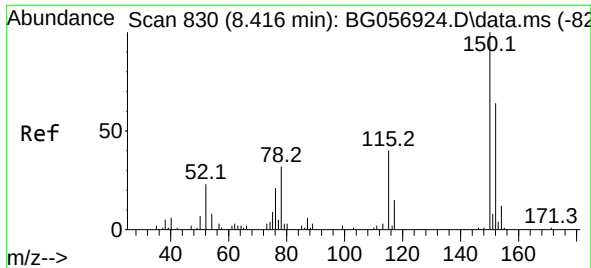
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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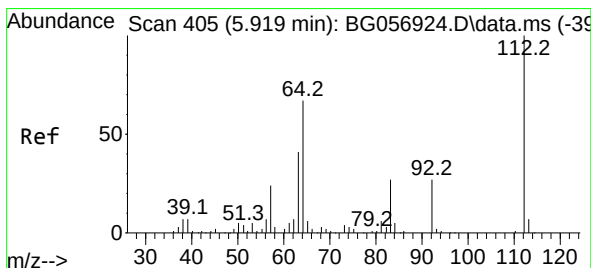
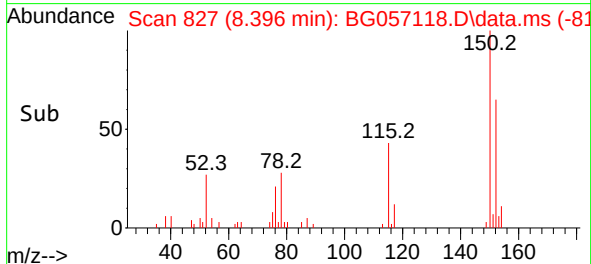
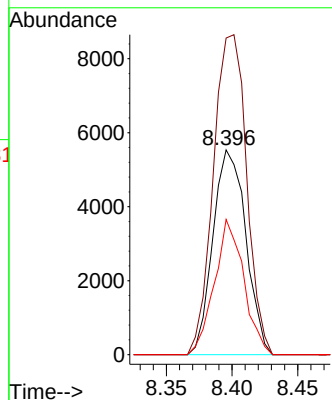
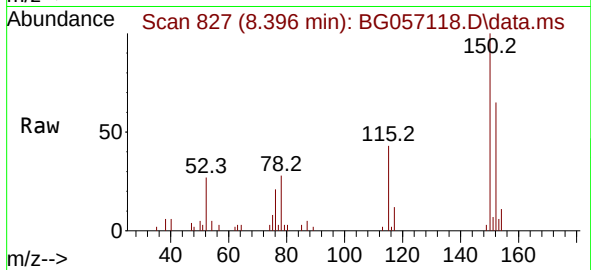




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.396 min Scan# 81
Delta R.T. -0.015 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

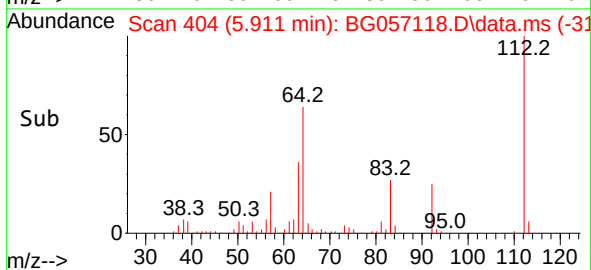
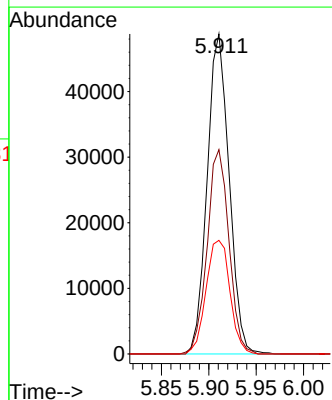
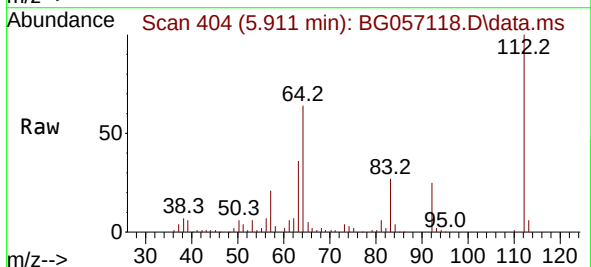
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413

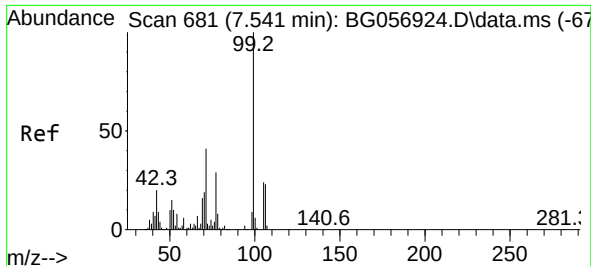
Tgt Ion:152 Resp: 9644
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 66.0 49.1 73.7



#5
2-Fluorophenol
Concen: 130.525 ng
RT: 5.911 min Scan# 404
Delta R.T. -0.004 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Tgt Ion:112 Resp: 78652
Ion Ratio Lower Upper
112 100
64 63.9 53.2 79.8
63 35.5 32.6 48.8

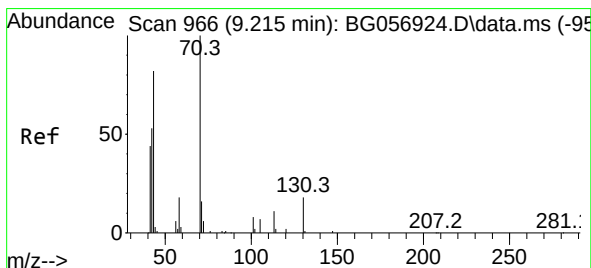
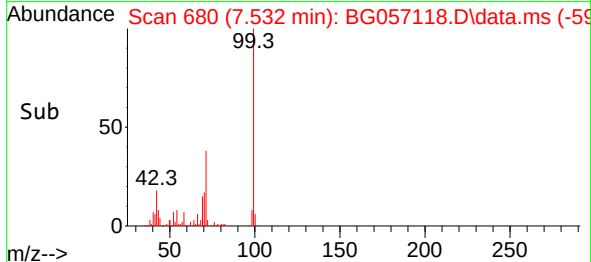
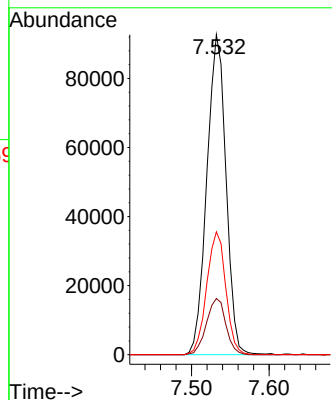
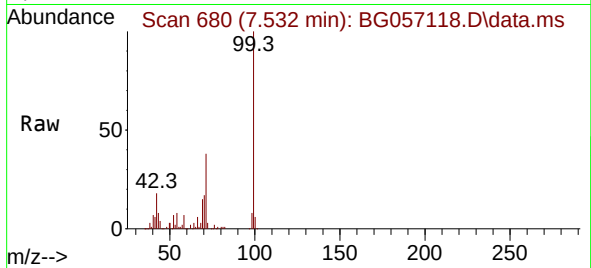




#7
Phenol-d6
Concen: 176.386 ng
RT: 7.532 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

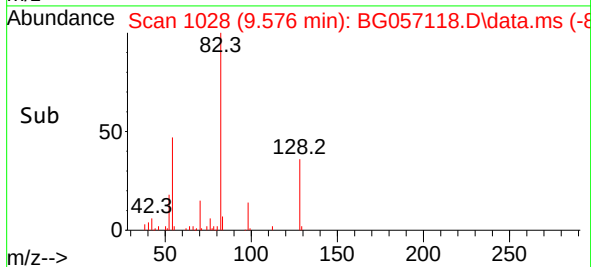
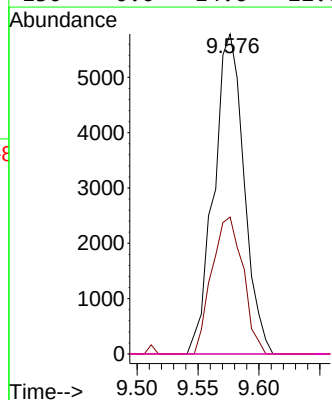
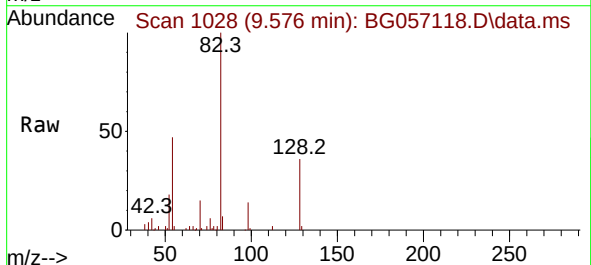
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413

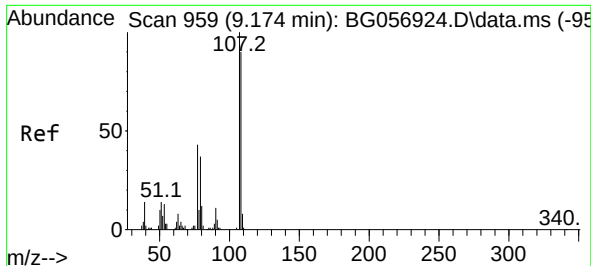
Tgt Ion: 99 Resp: 158965
Ion Ratio Lower Upper
99 100
42 17.6 15.7 23.5
71 38.4 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.418 ng
RT: 9.576 min Scan# 1028
Delta R.T. 0.366 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Tgt Ion: 70 Resp: 9939
Ion Ratio Lower Upper
70 100
42 42.8 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

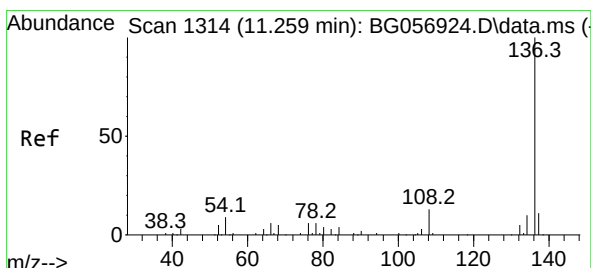
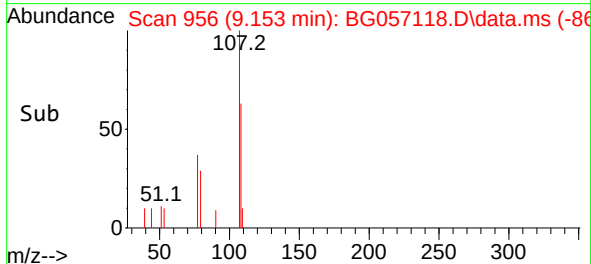
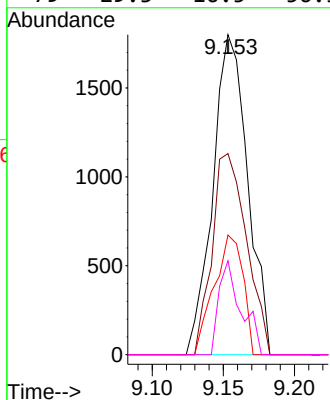
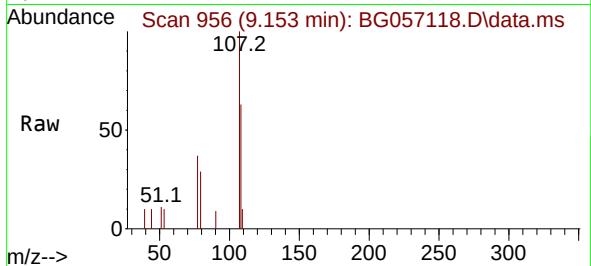




#20
3+4-Methylphenols
Concen: 3.433 ng
RT: 9.153 min Scan# 91
Delta R.T. -0.016 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

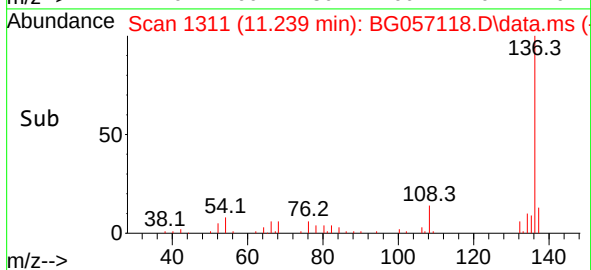
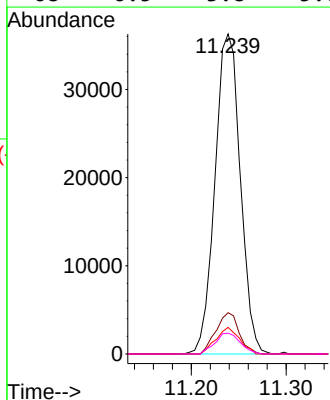
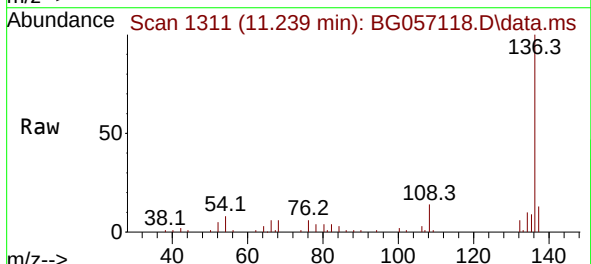
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413

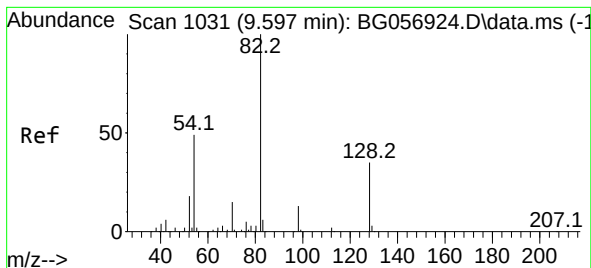
Tgt Ion:107 Resp: 3058
Ion Ratio Lower Upper
107 100
108 62.8 69.9 109.9#
77 37.4 22.7 62.7
79 29.3 16.5 56.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.239 min Scan# 1311
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Tgt Ion:136 Resp: 67311
Ion Ratio Lower Upper
136 100
137 12.9 8.6 13.0
54 8.3 6.9 10.3
68 6.5 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 42.518 ng

RT: 9.576 min Scan# 1028

Delta R.T. -0.010 min

Lab File: BG057118.D

Acq: 17 Apr 2023 19:51

Instrument :

BNA_G

ClientSampleId :

P2-S1-230413

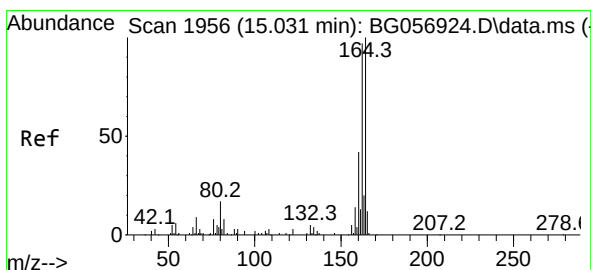
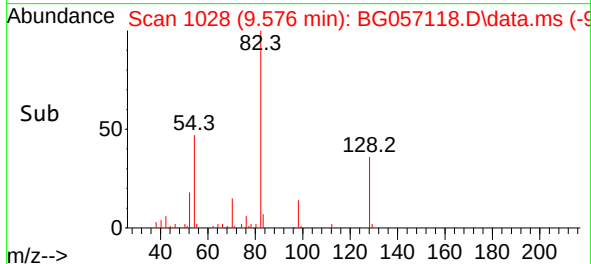
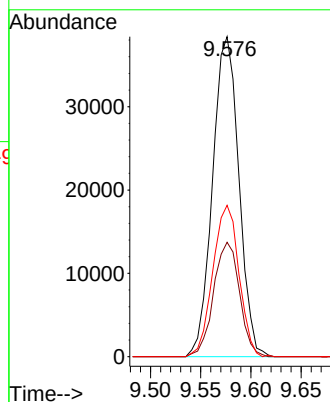
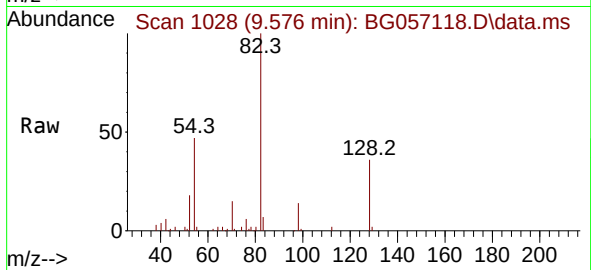
Tgt Ion: 82 Resp: 69943

Ion Ratio Lower Upper

82 100

128 35.8 27.9 41.9

54 47.3 39.4 59.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.010 min Scan# 1953

Delta R.T. -0.010 min

Lab File: BG057118.D

Acq: 17 Apr 2023 19:51

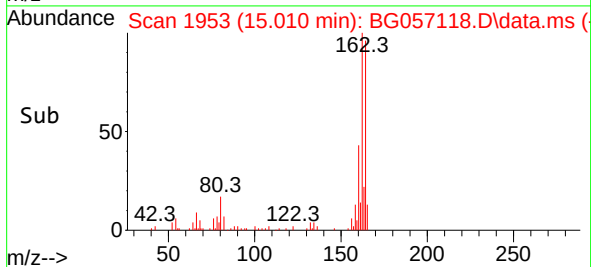
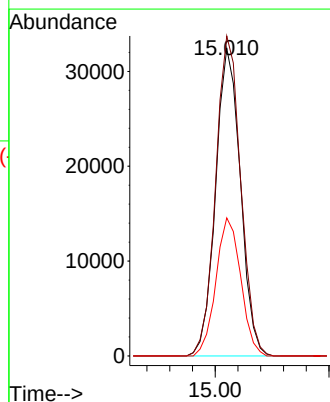
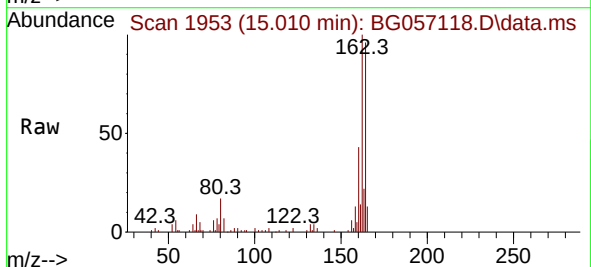
Tgt Ion: 164 Resp: 49074

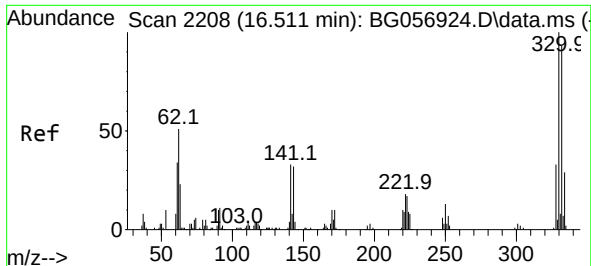
Ion Ratio Lower Upper

164 100

162 104.0 77.8 116.8

160 44.9 33.5 50.3





#42

2,4,6-Tribromophenol

Concen: 95.466 ng

RT: 16.490 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG057118.D

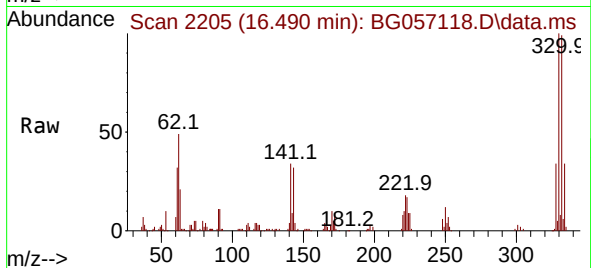
Acq: 17 Apr 2023 19:51

Instrument :

BNA_G

ClientSampleId :

P2-S1-230413



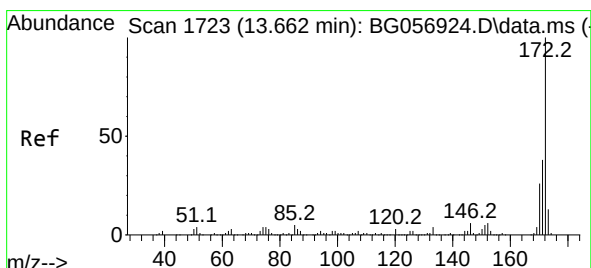
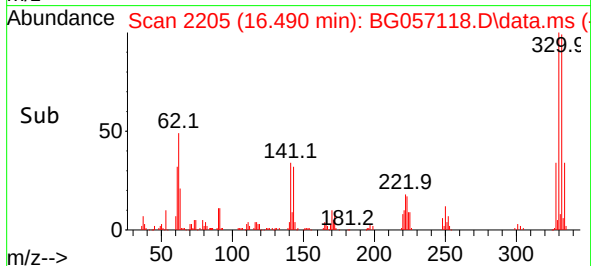
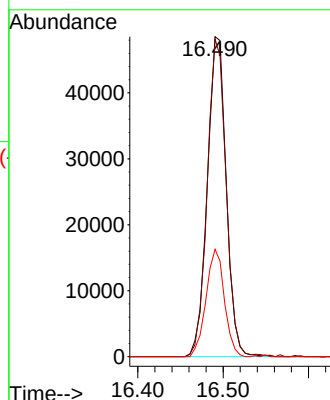
Tgt Ion:330 Resp: 74843

Ion Ratio Lower Upper

330 100

332 98.9 76.1 114.1

141 32.5 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 55.943 ng

RT: 13.635 min Scan# 1719

Delta R.T. -0.010 min

Lab File: BG057118.D

Acq: 17 Apr 2023 19:51

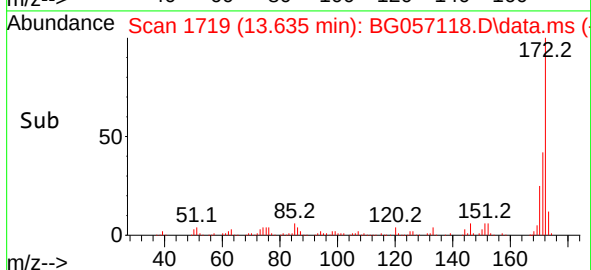
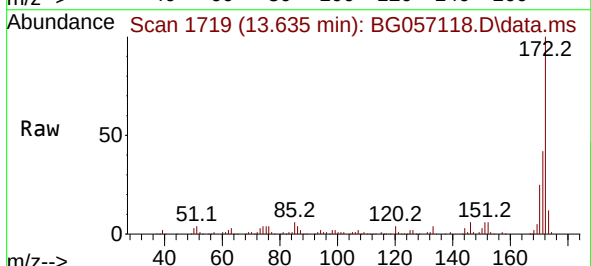
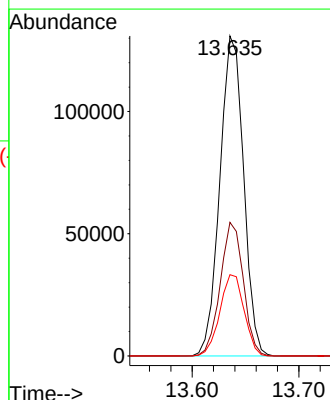
Tgt Ion:172 Resp: 202458

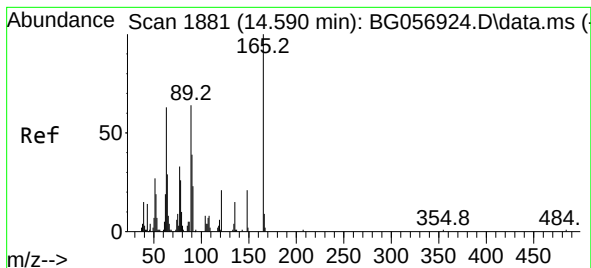
Ion Ratio Lower Upper

172 100

171 41.8 30.6 46.0

170 25.4 20.6 30.8

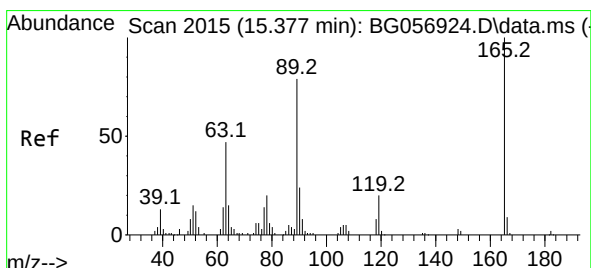
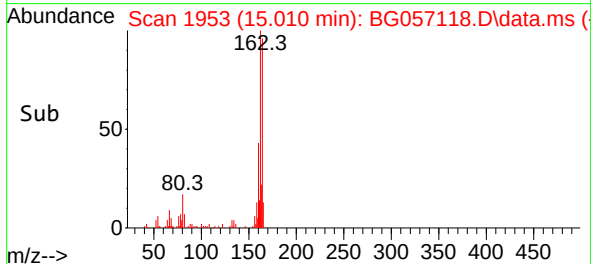
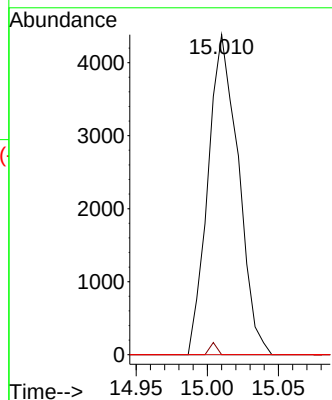
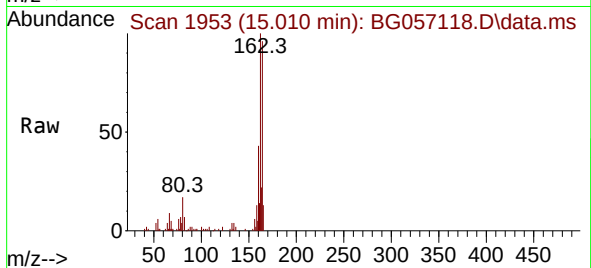




#51
2,6-Dinitrotoluene
Concen: 7.791 ng
RT: 15.010 min Scan# 1953
Delta R.T. 0.425 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

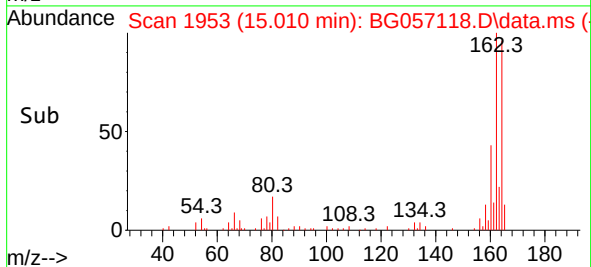
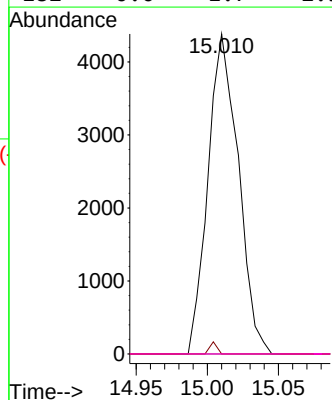
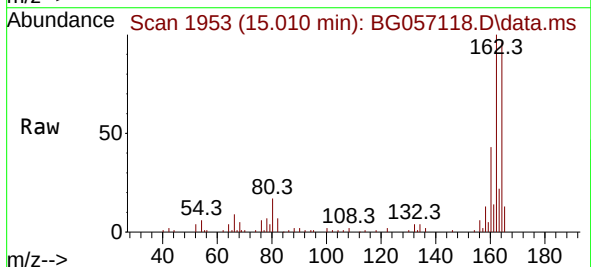
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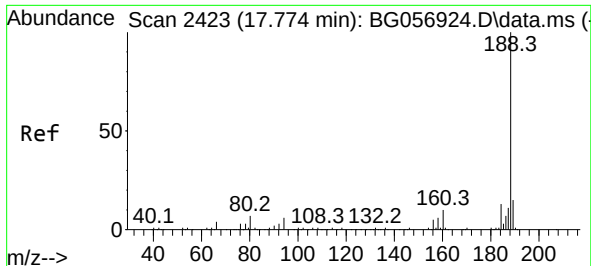
Tgt Ion:165 Resp: 6509
Ion Ratio Lower Upper
165 100
63 0.0 53.0 79.6#
89 0.0 51.0 76.4#



#57
2,4-Dinitrotoluene
Concen: 5.524 ng
RT: 15.010 min Scan# 1953
Delta R.T. -0.356 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Tgt Ion:165 Resp: 6509
Ion Ratio Lower Upper
165 100
63 0.0 37.7 56.5#
89 0.0 63.2 94.8#
182 0.0 1.7 2.5#

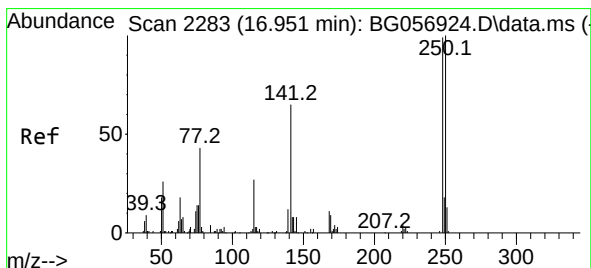
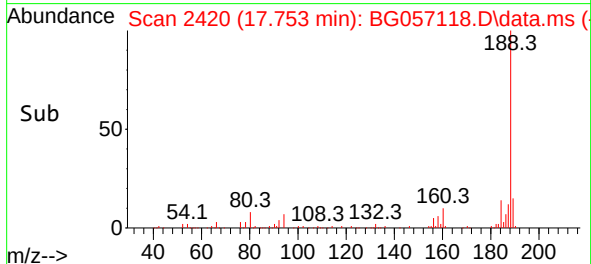
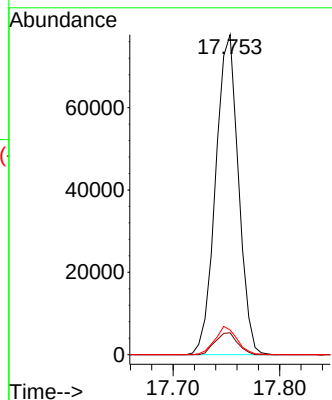
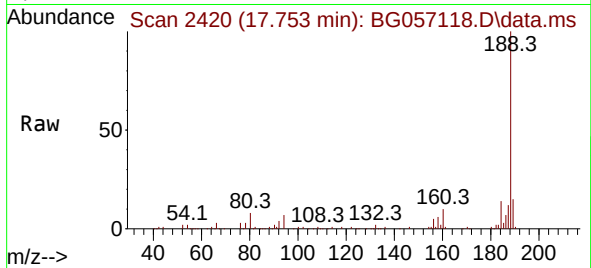




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.753 min Scan# 24
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

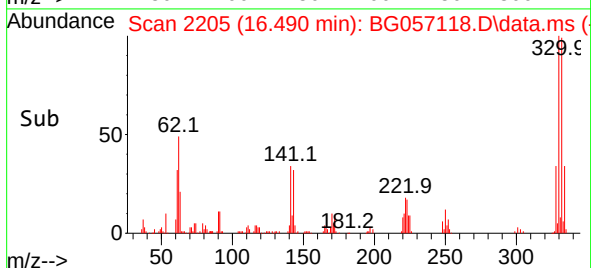
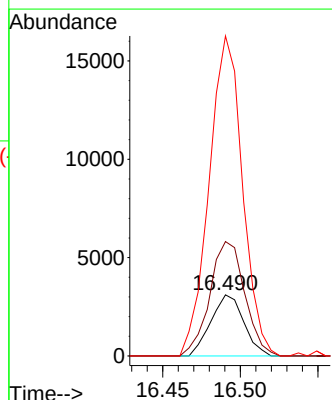
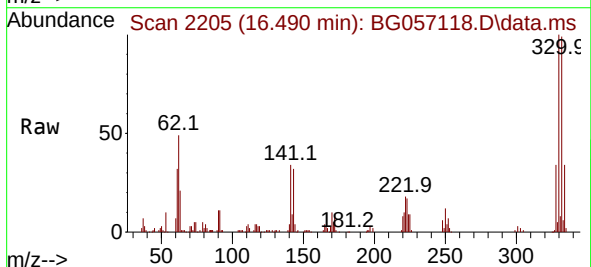
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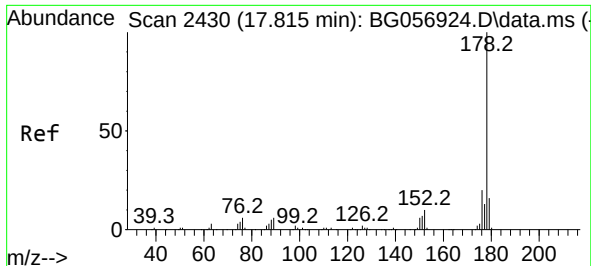
Tgt Ion:188 Resp: 115275
Ion Ratio Lower Upper
188 100
94 6.9 4.6 6.8#
80 7.7 5.5 8.3



#67
4-Bromophenyl-phenylether
Concen: 3.203 ng
RT: 16.490 min Scan# 2205
Delta R.T. -0.445 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Tgt Ion:248 Resp: 4569
Ion Ratio Lower Upper
248 100
250 187.4 80.5 120.7#
141 523.7 52.0 78.0#

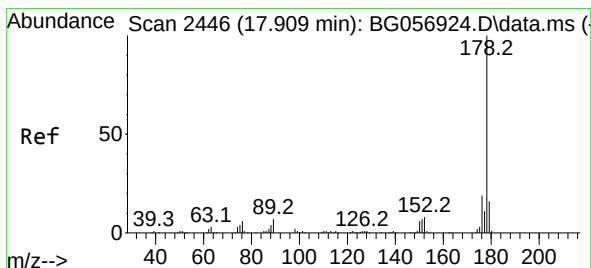
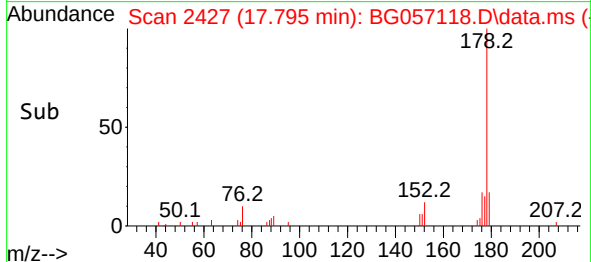
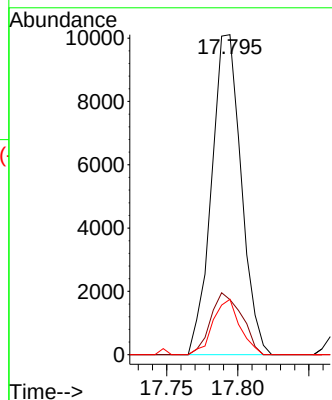
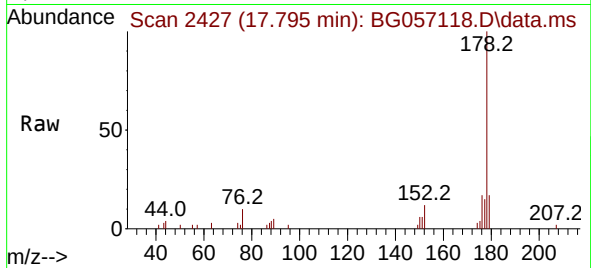




#71
Phenanthrene
Concen: 2.500 ng
RT: 17.795 min Scan# 24
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

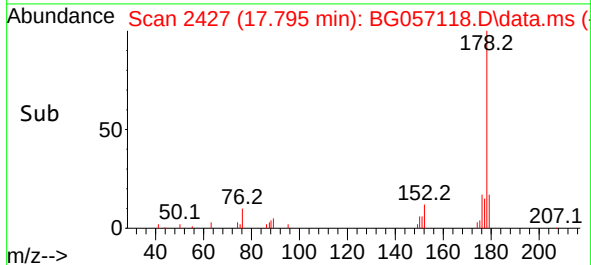
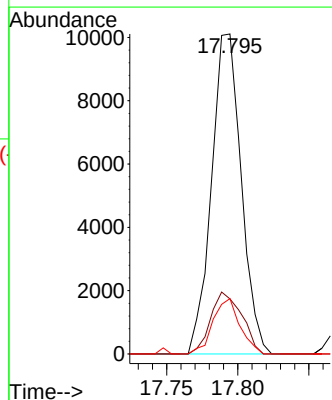
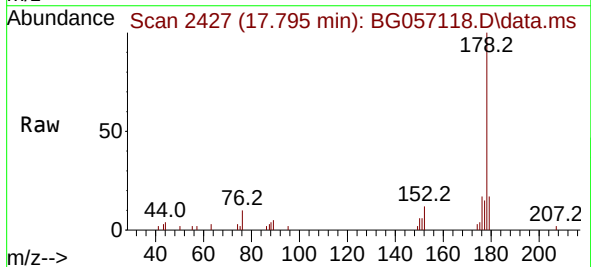
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413

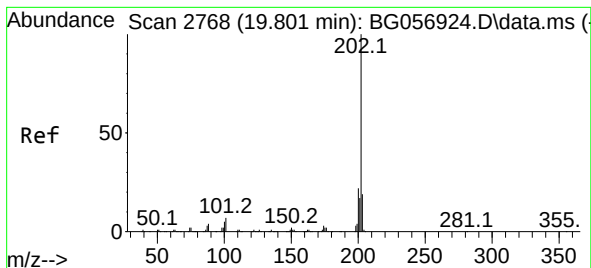
Tgt Ion:178 Resp: 14691
Ion Ratio Lower Upper
178 100
176 17.2 16.2 24.2
179 17.3 12.5 18.7



#72
Anthracene
Concen: 2.438 ng
RT: 17.795 min Scan# 2427
Delta R.T. -0.098 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Tgt Ion:178 Resp: 14691
Ion Ratio Lower Upper
178 100
176 17.2 15.4 23.2
179 17.3 12.4 18.6





#75

Fluoranthene

Concen: 4.545 ng

RT: 19.780 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG057118.D

Acq: 17 Apr 2023 19:51

Instrument :

BNA_G

ClientSampleId :

P2-S1-230413

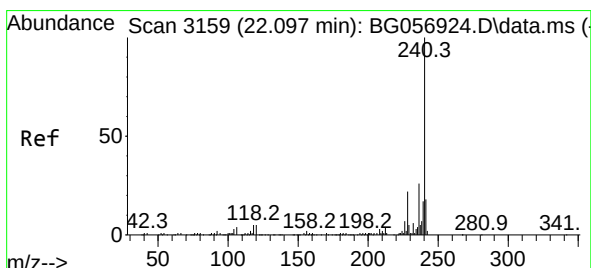
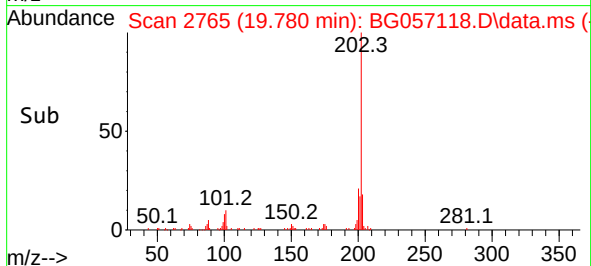
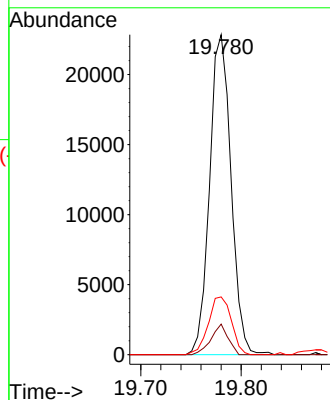
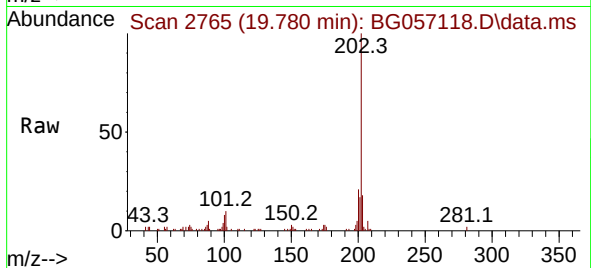
Tgt Ion:202 Resp: 33859

Ion Ratio Lower Upper

202 100

101 9.5 0.0 26.7

203 18.0 0.0 39.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.065 min Scan# 3154

Delta R.T. -0.016 min

Lab File: BG057118.D

Acq: 17 Apr 2023 19:51

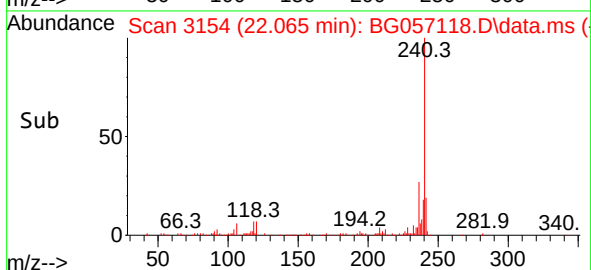
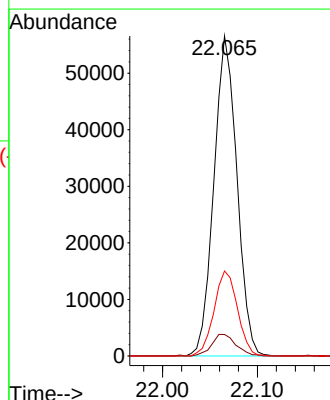
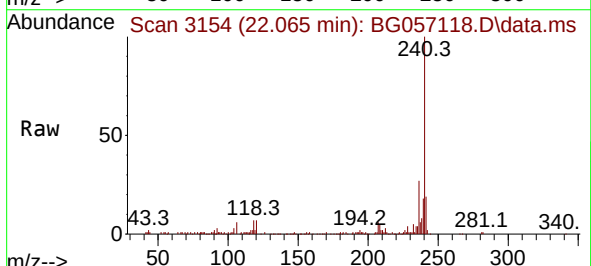
Tgt Ion:240 Resp: 95517

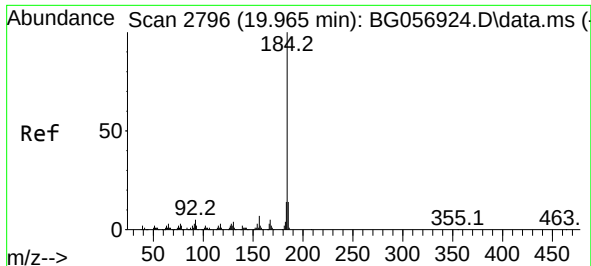
Ion Ratio Lower Upper

240 100

120 6.7 3.8 5.6#

236 26.6 21.0 31.6

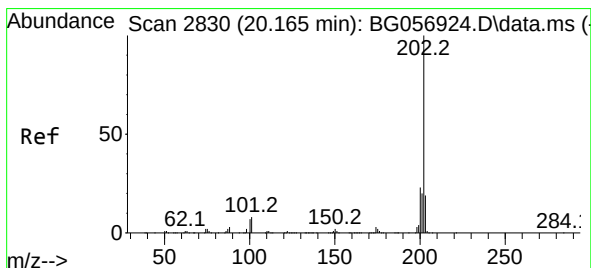
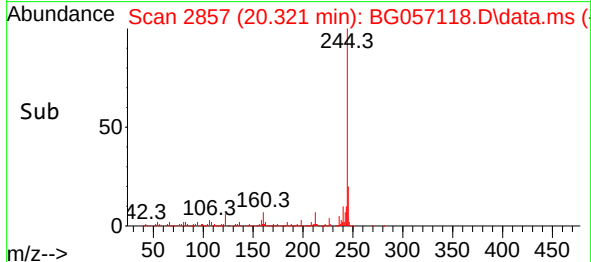
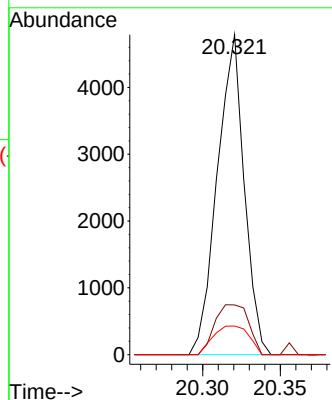
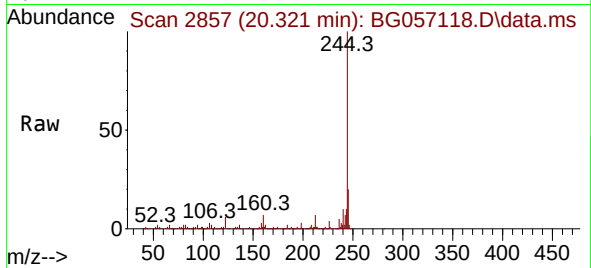




#77
Benzidine
Concen: 2.215 ng
RT: 20.321 min Scan# 21
Delta R.T. 0.366 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

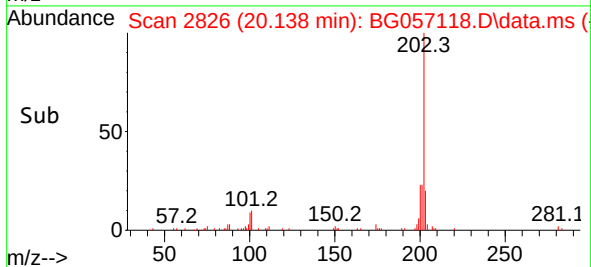
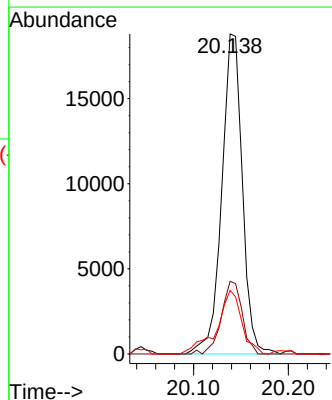
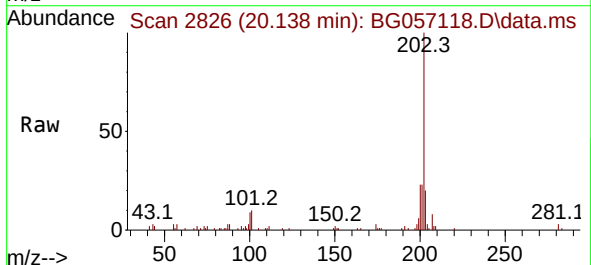
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413

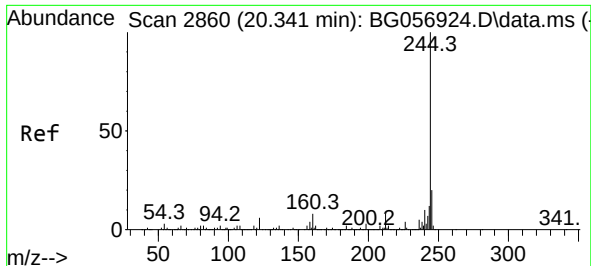
Tgt Ion:184 Resp: 5783
Ion Ratio Lower Upper
184 100
185 15.5 11.0 16.4
183 9.0 11.4 17.0#



#78
Pyrene
Concen: 4.296 ng
RT: 20.138 min Scan# 2826
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Tgt Ion:202 Resp: 28384
Ion Ratio Lower Upper
202 100
200 22.7 18.7 28.1
203 19.9 15.4 23.2

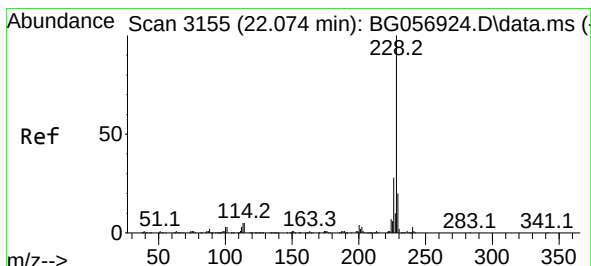
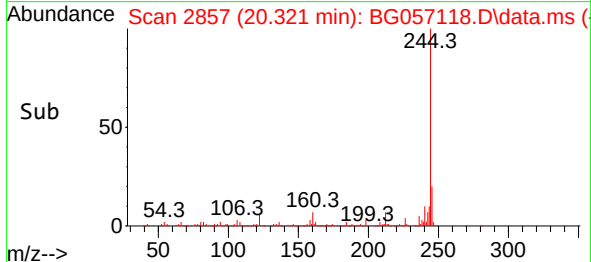
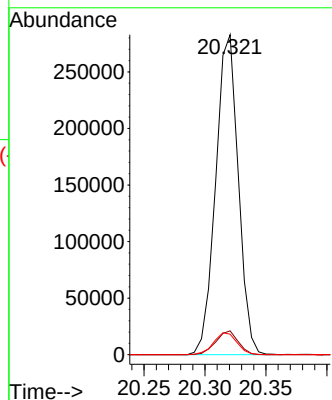
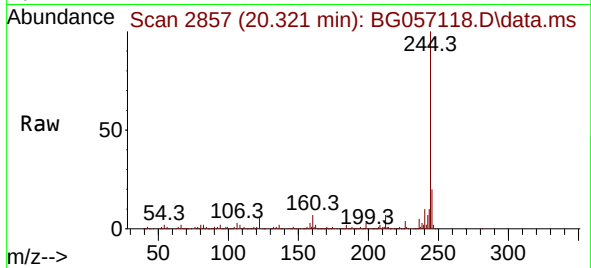




#79
 Terphenyl-d14
 Concen: 64.706 ng
 RT: 20.321 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057118.D
 Acq: 17 Apr 2023 19:51

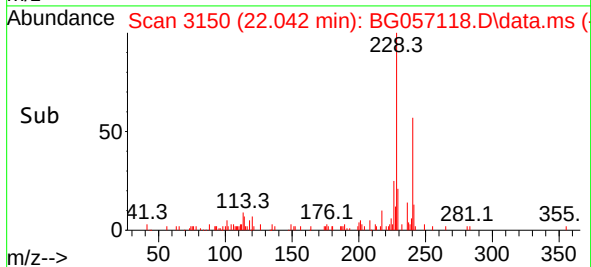
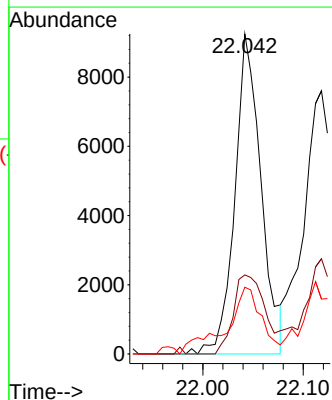
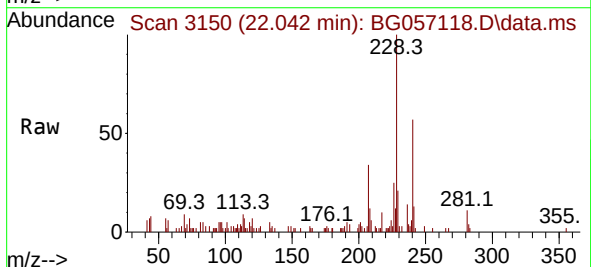
Instrument :
 BNA_G
 ClientSampleId :
 P2-S1-230413

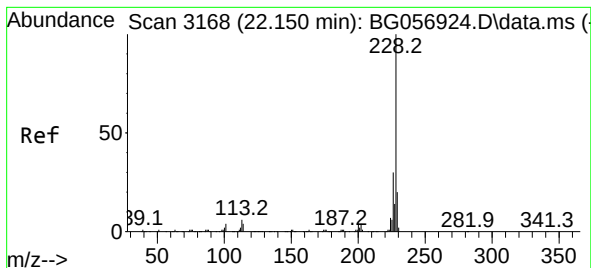
Tgt Ion:244 Resp: 365246
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 6.4 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 2.538 ng
 RT: 22.042 min Scan# 3150
 Delta R.T. -0.016 min
 Lab File: BG057118.D
 Acq: 17 Apr 2023 19:51

Tgt Ion:228 Resp: 16775
 Ion Ratio Lower Upper
 228 100
 226 24.7 22.1 33.1
 229 20.9 16.1 24.1





#83

Chrysene

Concen: 2.711 ng

RT: 22.042 min Scan# 3168

Delta R.T. -0.086 min

Lab File: BG057118.D

Acq: 17 Apr 2023 19:51

Instrument :

BNA_G

ClientSampleId :

P2-S1-230413

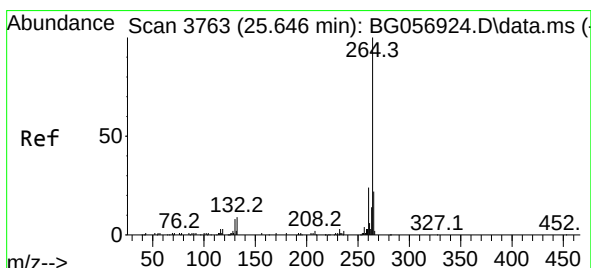
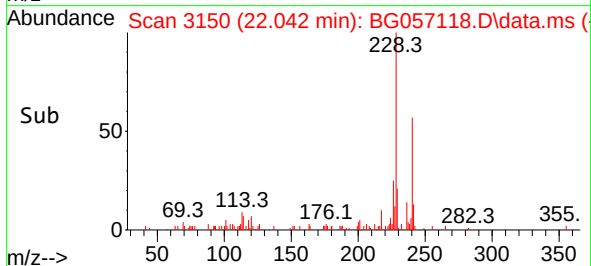
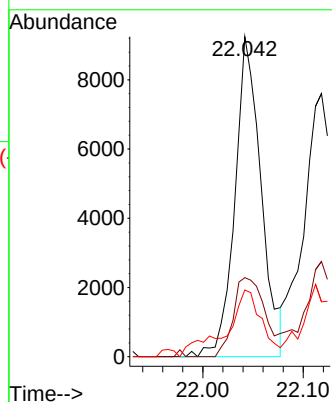
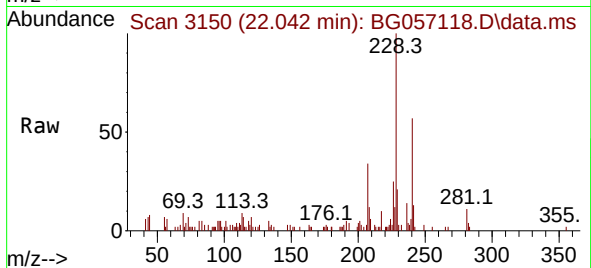
Tgt Ion:228 Resp: 16775

Ion Ratio Lower Upper

228 100

226 24.7 24.1 36.1

229 20.9 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.602 min Scan# 3756

Delta R.T. -0.010 min

Lab File: BG057118.D

Acq: 17 Apr 2023 19:51

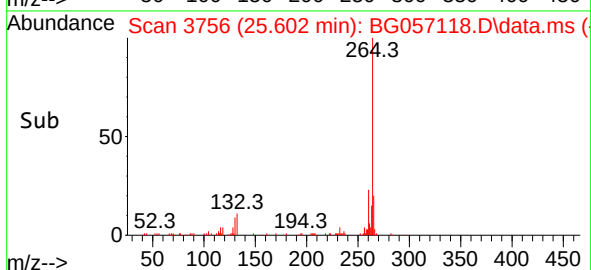
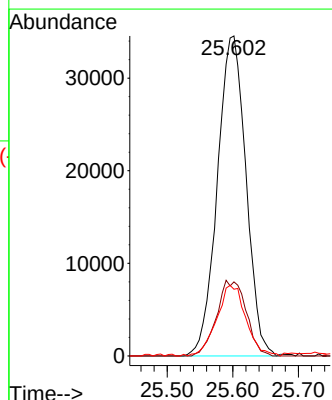
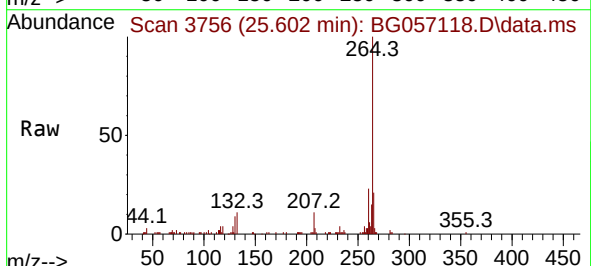
Tgt Ion:264 Resp: 104637

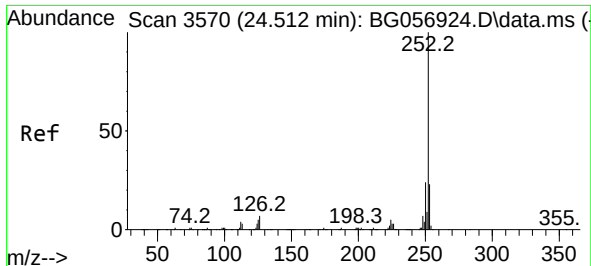
Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 20.9 17.8 26.6

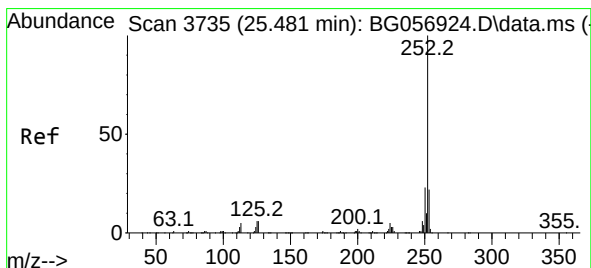
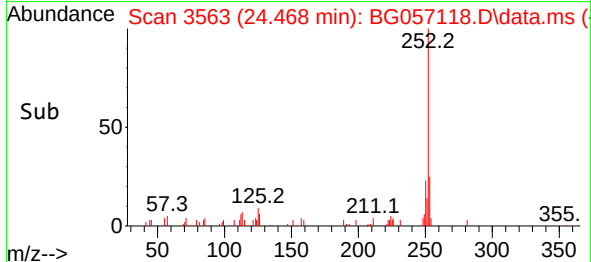
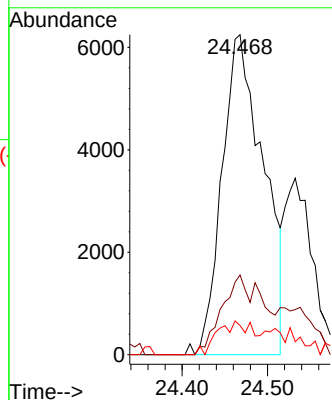
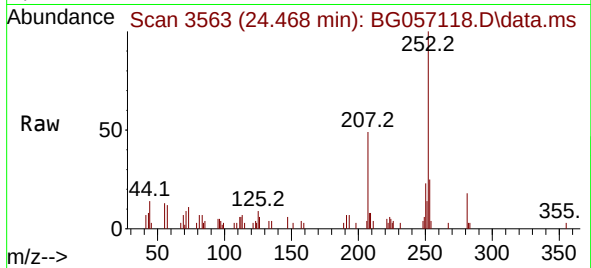




#88
Benzo(b)fluoranthene
Concen: 3.218 ng
RT: 24.468 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Instrument :
BNA_G
ClientSampleId :
P2-S1-230413

Tgt Ion:252 Resp: 21054
Ion Ratio Lower Upper
252 100
253 24.9 18.1 27.1
125 9.1 4.2 6.4#



#90
Benzo(a)pyrene
Concen: 2.485 ng
RT: 25.419 min Scan# 3725
Delta R.T. -0.033 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Tgt Ion:252 Resp: 15981
Ion Ratio Lower Upper
252 100
253 20.8 17.6 26.4
125 9.3 4.5 6.7#

