

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
 Data File : BG059753.D
 Acq On : 18 Nov 2023 7:11
 Operator : MA/JU
 Sample : 05311-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 18 09:28:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

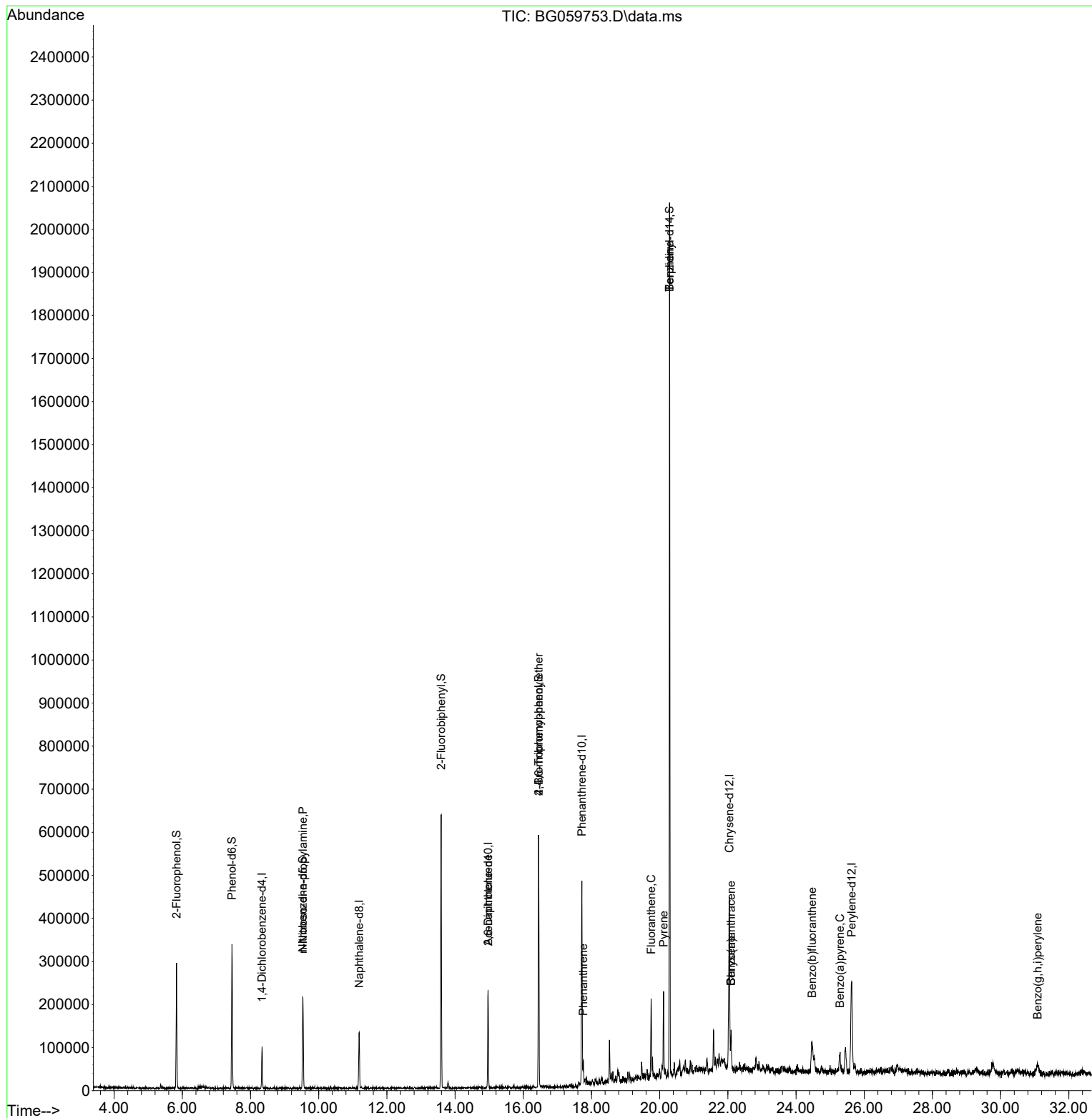
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.340	152	20315	20.000	ng	0.00
21) Naphthalene-d8	11.190	136	87061	20.000	ng	# 0.00
39) Acenaphthene-d10	14.968	164	67323	20.000	ng	0.00
64) Phenanthrene-d10	17.717	188	248315	20.000	ng	# 0.00
76) Chrysene-d12	22.042	240	207597	20.000	ng	# 0.00
86) Perylene-d12	25.632	264	264882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.831	112	93681	77.617	ng	0.00
7) Phenol-d6	7.459	99	143703	80.343	ng	0.00
23) Nitrobenzene-d5	9.533	82	129588	56.848	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	80880	105.883	ng	0.00
45) 2-Fluorobiphenyl	13.593	172	263769	52.738	ng	0.00
79) Terphenyl-d14	20.291	244	766876	54.533	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.539	70	22059	15.661	ng	# 78
51) 2,6-Dinitrotoluene	14.968	165	9778	9.879	ng	# 1
67) 4-Bromophenyl-phenylether	16.454	248	5770	2.163	ng	# 1
71) Phenanthrene	17.759	178	29136	2.308	ng	# 86
75) Fluoranthene	19.750	202	104599	6.909	ng	100
77) Benzidine	20.291	184	23762	5.048	ng	# 89
78) Pyrene	20.115	202	118540	8.392	ng	96
81) Benzo(a)anthracene	22.095	228	64089	4.512	ng	98
83) Chrysene	22.095	228	64089	4.922	ng	96
88) Benzo(b)fluoranthene	24.468	252	89762	6.183	ng	# 85
90) Benzo(a)pyrene	25.291	252	44292	2.859	ng	98
92) Benzo(g,h,i)perylene	31.084	276	48224	2.997	ng	# 85

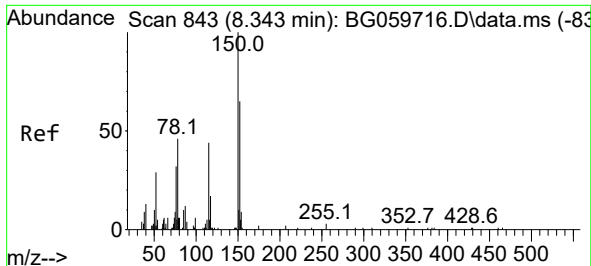
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
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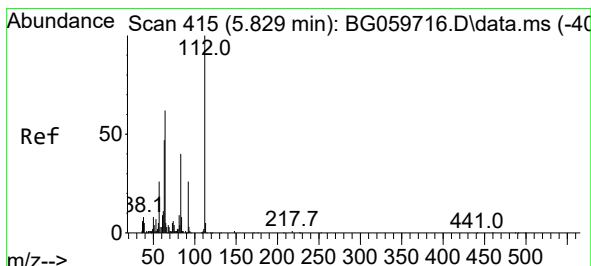
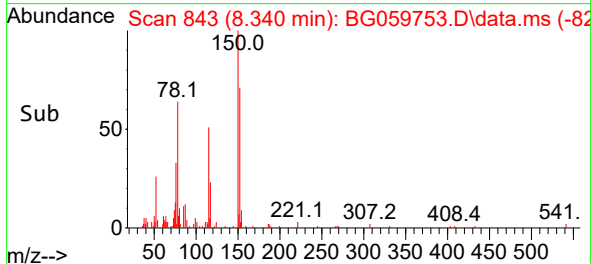
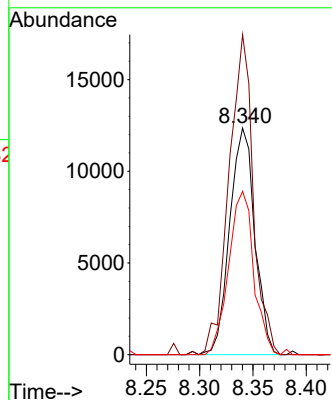
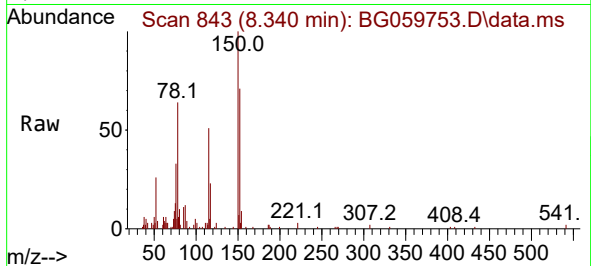




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 843
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

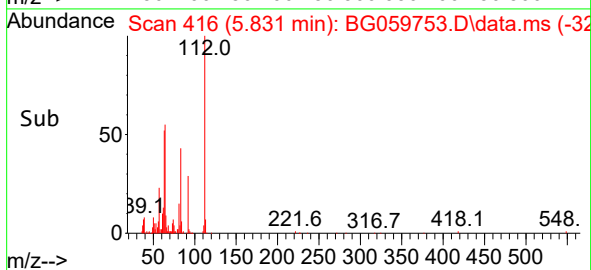
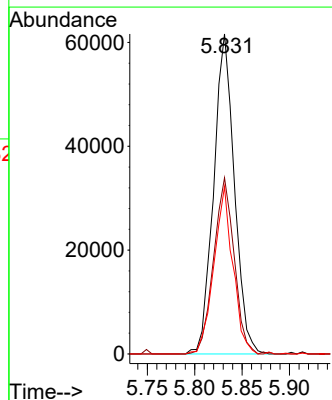
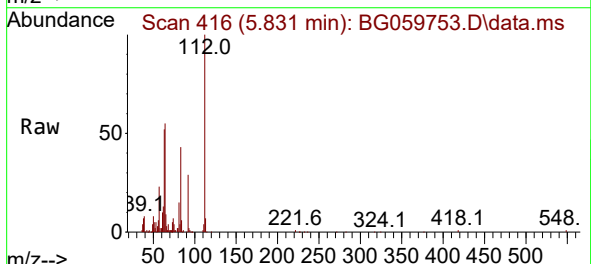
Instrument :
BNA_G
ClientSampleId :

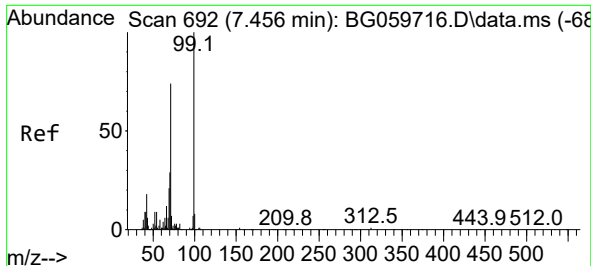
Tgt Ion:152 Resp: 20315
Ion Ratio Lower Upper
152 100
150 141.2 122.2 183.4
115 72.1 54.2 81.4



#5
2-Fluorophenol
Concen: 77.617 ng
RT: 5.831 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Tgt Ion:112 Resp: 93681
Ion Ratio Lower Upper
112 100
64 55.1 49.5 74.3
63 52.3 37.4 56.2

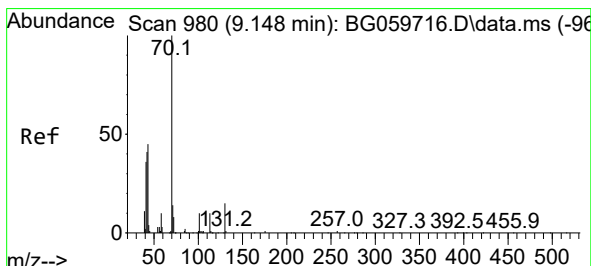
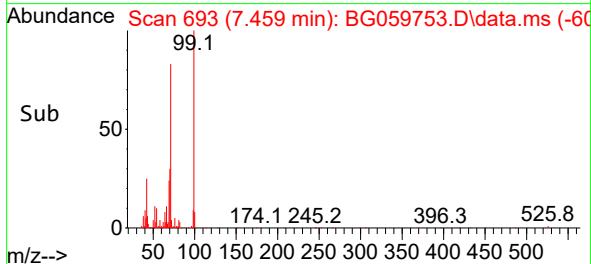
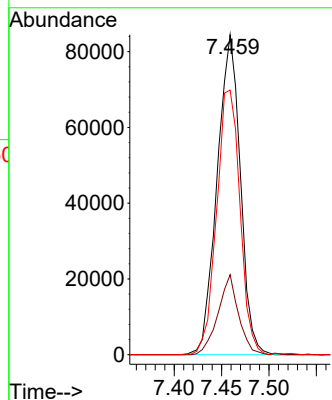
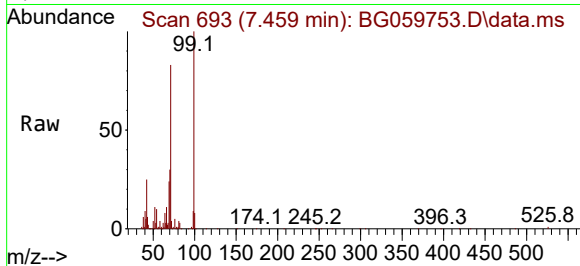




#7
Phenol-d6
Concen: 80.343 ng
RT: 7.459 min Scan# 692
Delta R.T. 0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

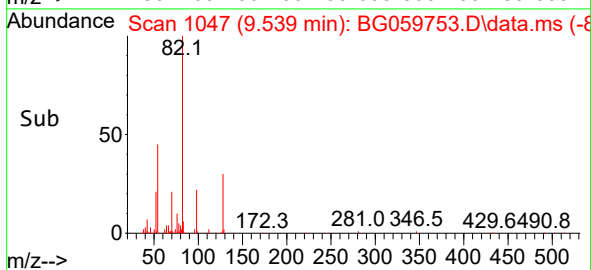
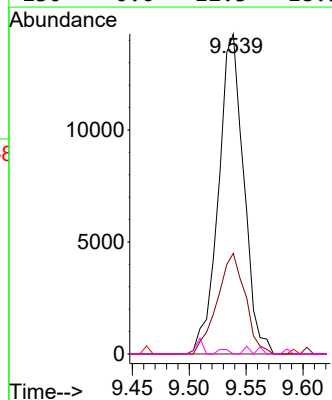
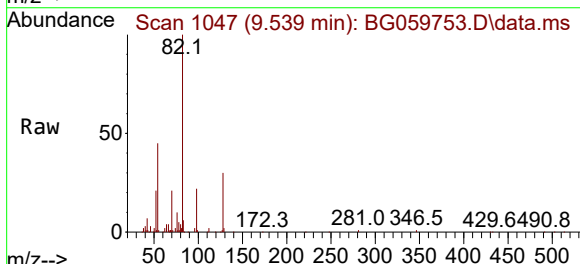
Instrument :
BNA_G
ClientSampleId :

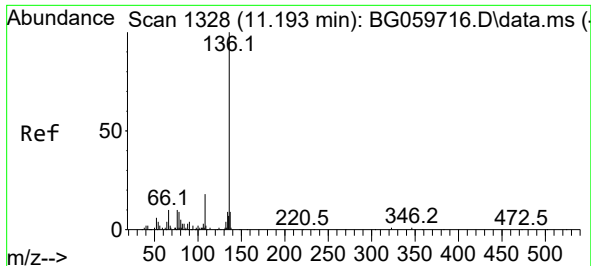
Tgt Ion: 99 Resp: 143703
Ion Ratio Lower Upper
99 100
42 25.0 14.3 21.5#
71 82.7 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 15.661 ng
RT: 9.539 min Scan# 1047
Delta R.T. 0.390 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Tgt Ion: 70 Resp: 22059
Ion Ratio Lower Upper
70 100
42 31.5 32.8 49.2#
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

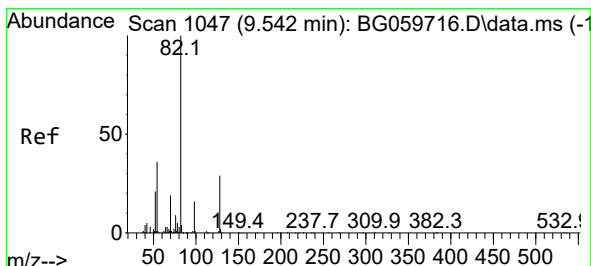
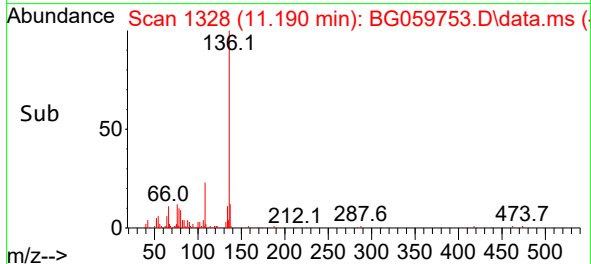
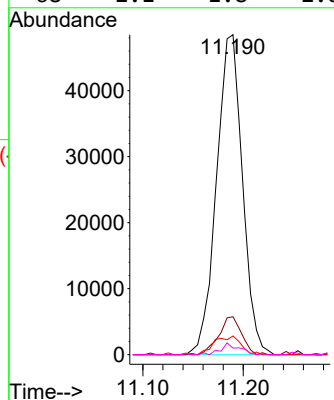
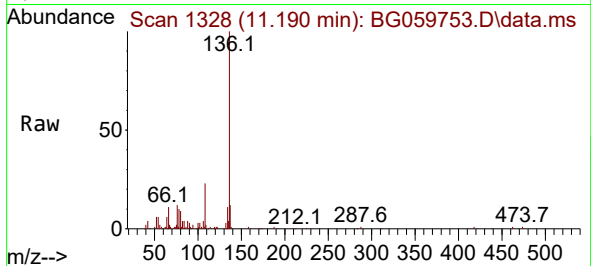




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.190 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

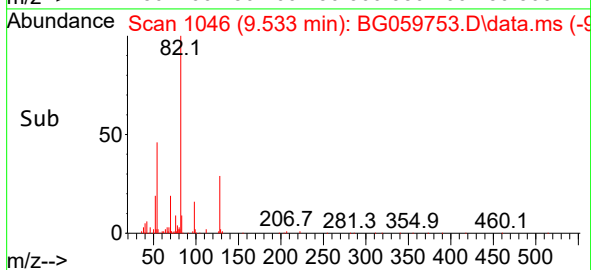
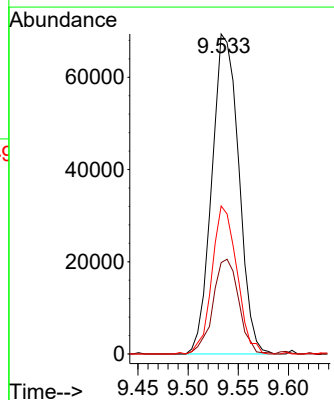
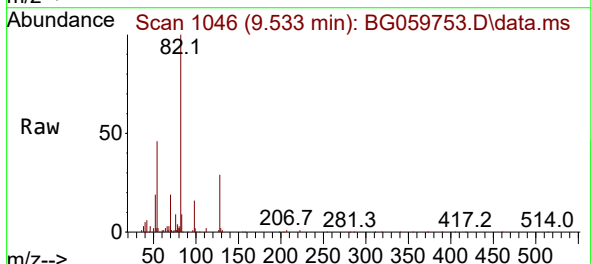
Instrument :
BNA_G
ClientSampleId :

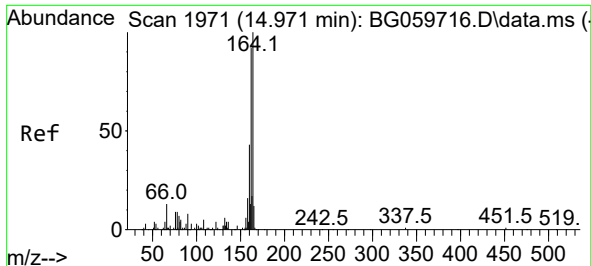
Tgt Ion:136 Resp: 87061
Ion Ratio Lower Upper
136 100
137 11.9 7.4 11.0#
54 5.8 3.1 4.7#
68 2.1 1.8 2.8



#23
Nitrobenzene-d5
Concen: 56.848 ng
RT: 9.533 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Tgt Ion: 82 Resp: 129588
Ion Ratio Lower Upper
82 100
128 28.6 23.0 34.6
54 46.2 28.7 43.1#

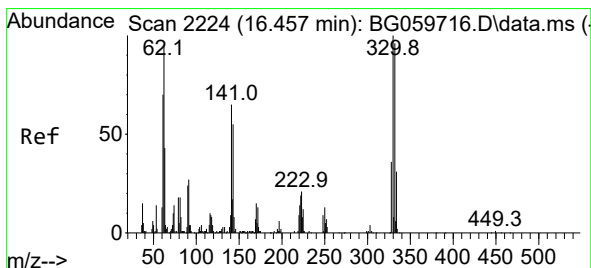
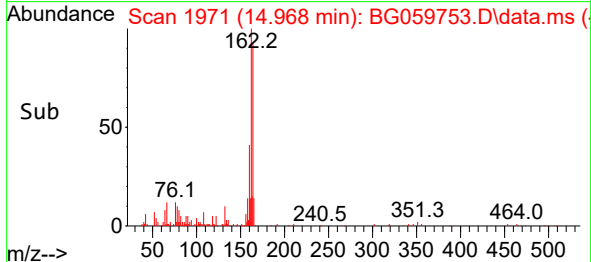
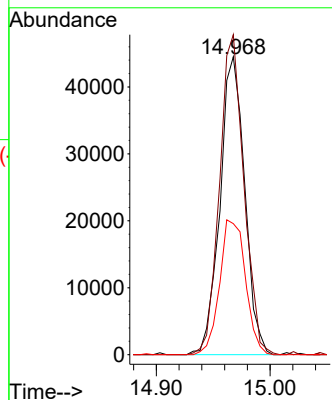
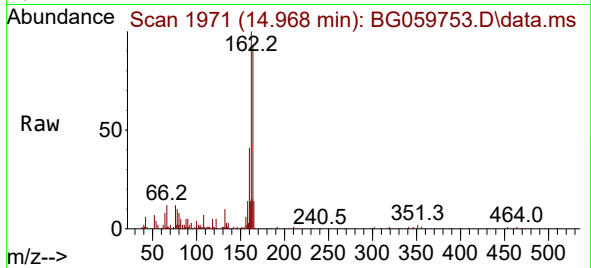




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.968 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

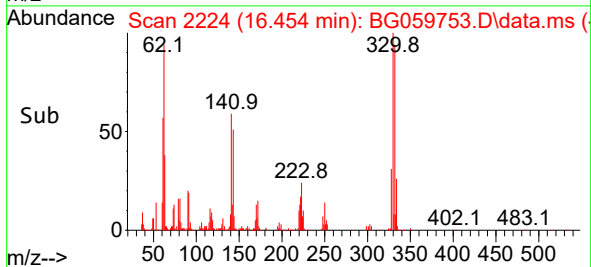
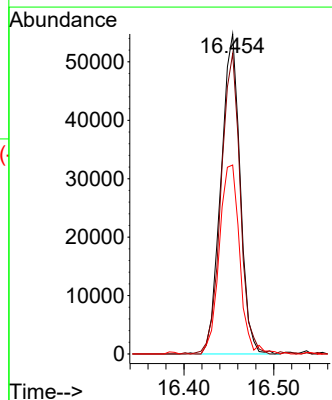
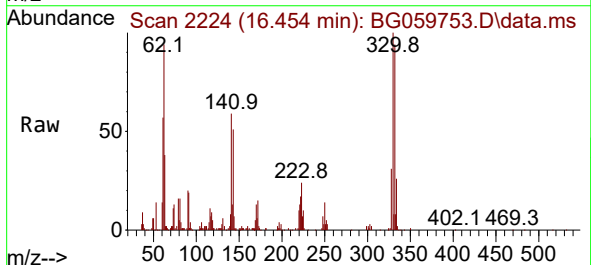
Instrument :
BNA_G
ClientSampleId :

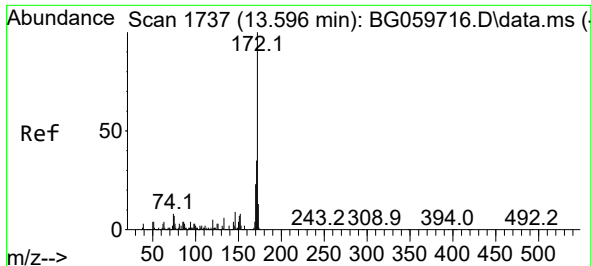
Tgt Ion:164 Resp: 67323
Ion Ratio Lower Upper
164 100
162 107.4 73.3 109.9
160 44.0 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 105.883 ng
RT: 16.454 min Scan# 2224
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Tgt Ion:330 Resp: 80880
Ion Ratio Lower Upper
330 100
332 94.0 73.3 109.9
141 62.9 52.1 78.1

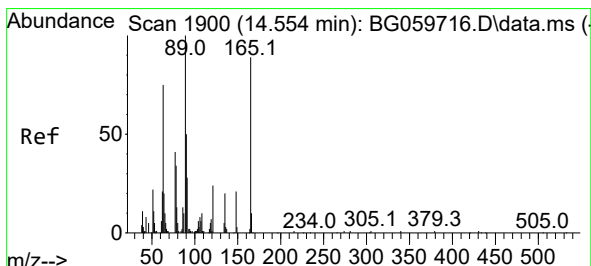
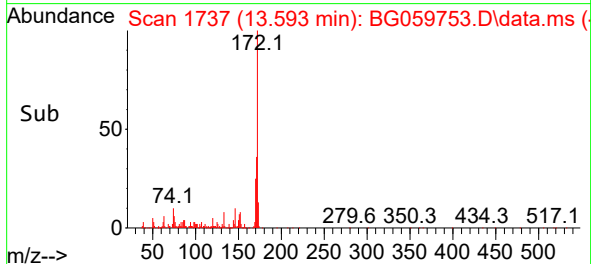
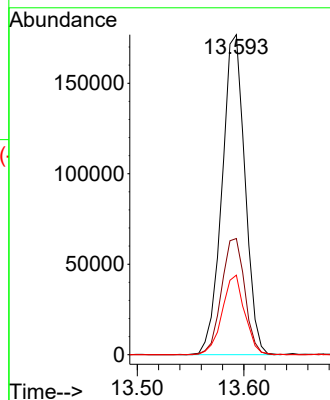
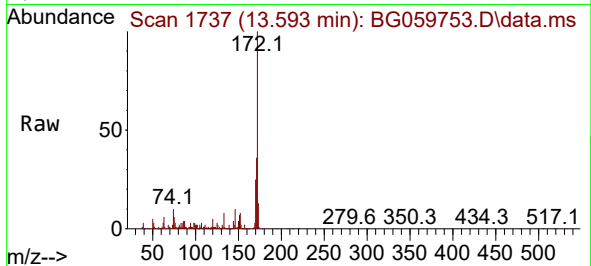




#45
2-Fluorobiphenyl
Concen: 52.738 ng
RT: 13.593 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

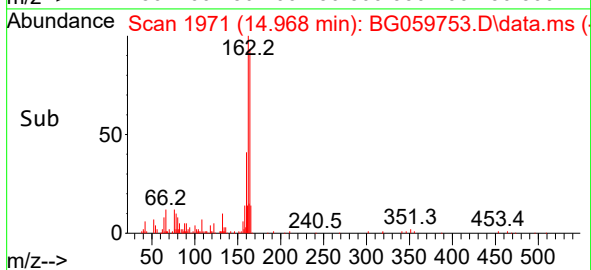
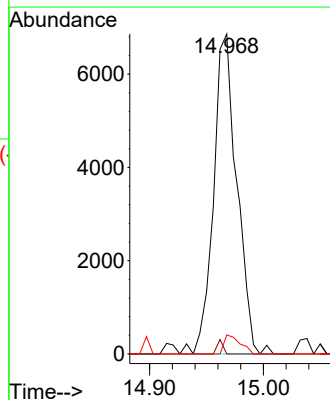
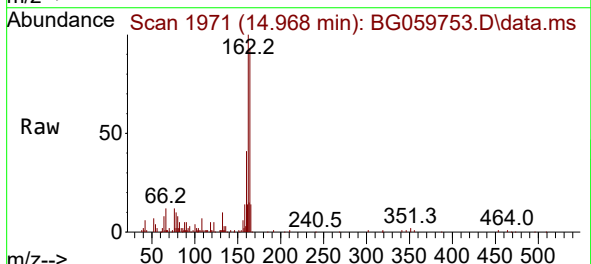
Instrument :
BNA_G
ClientSampleId :

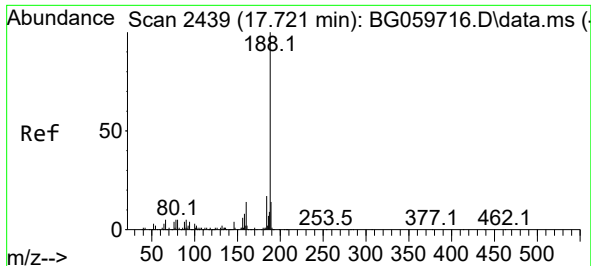
Tgt Ion:172 Resp: 263769
Ion Ratio Lower Upper
172 100
171 36.3 27.7 41.5
170 24.8 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 9.879 ng
RT: 14.968 min Scan# 1971
Delta R.T. 0.414 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Tgt Ion:165 Resp: 9778
Ion Ratio Lower Upper
165 100
63 0.0 75.3 112.9#
89 5.9 90.9 136.3#

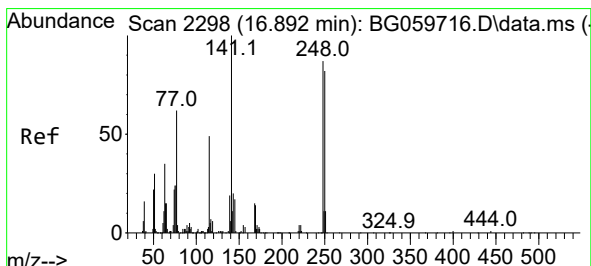
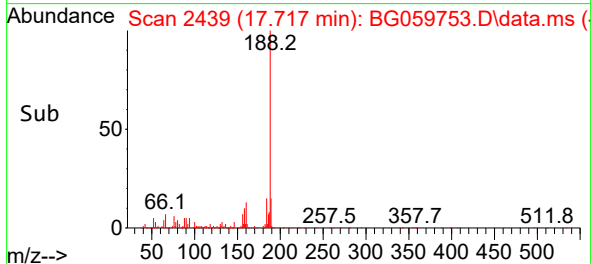
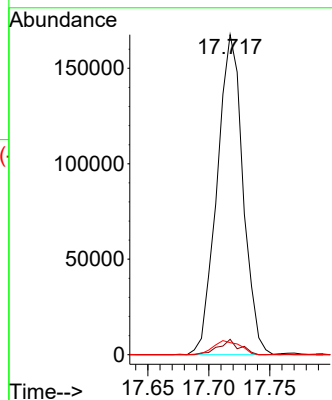
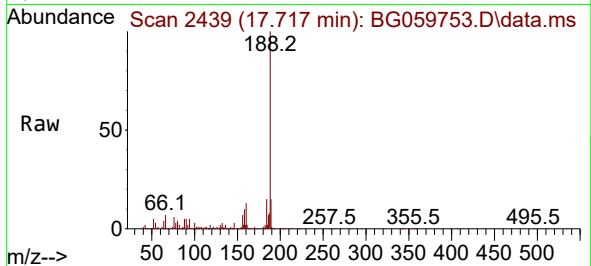




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.717 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

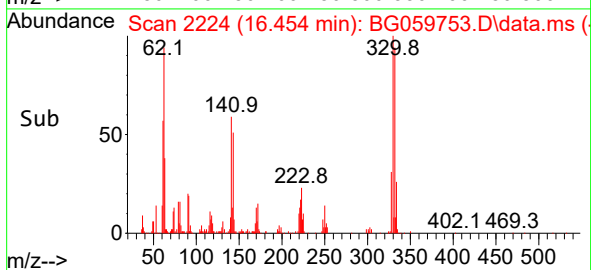
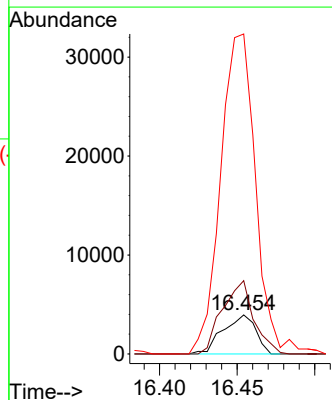
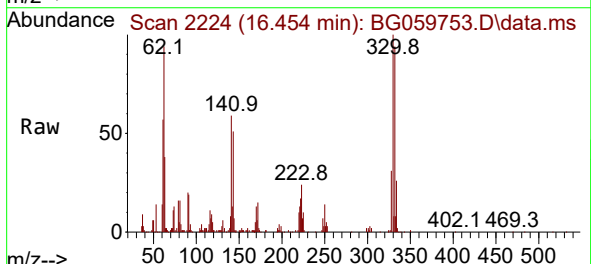
Instrument :
BNA_G
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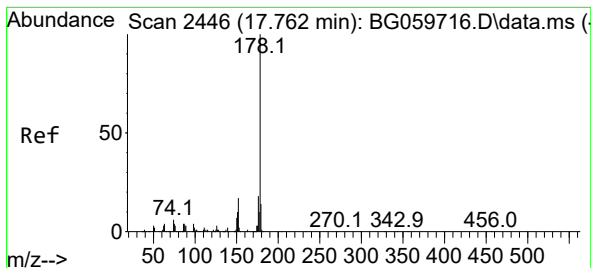
Tgt Ion:188 Resp: 248315
Ion Ratio Lower Upper
188 100
94 4.8 3.0 4.4#
80 3.7 4.2 6.4#



#67
4-Bromophenyl-phenylether
Concen: 2.163 ng
RT: 16.454 min Scan# 2224
Delta R.T. -0.438 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Tgt Ion:248 Resp: 5770
Ion Ratio Lower Upper
248 100
250 187.6 75.2 112.8#
141 819.7 91.5 137.3#





#71

Phenanthrene

Concen: 2.308 ng

RT: 17.759 min Scan# 2446

Delta R.T. -0.003 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

Instrument :

BNA_G

ClientSampleId :

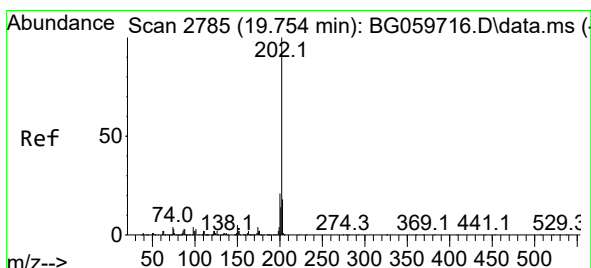
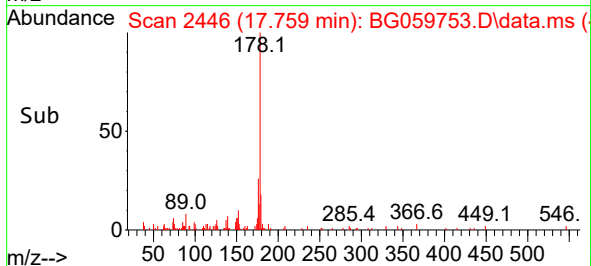
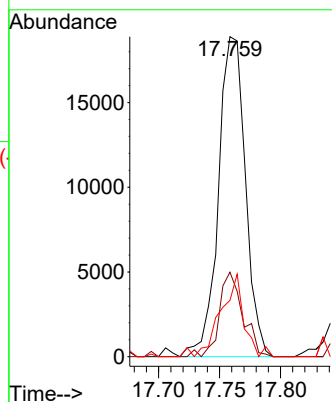
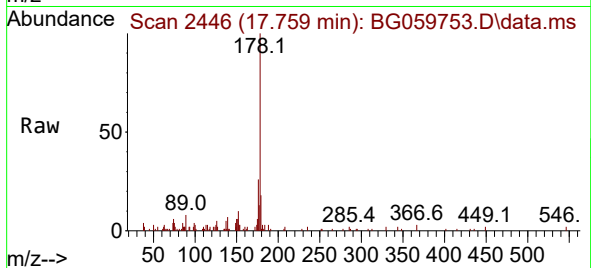
Tgt Ion:178 Resp: 29136

Ion Ratio Lower Upper

178 100

176 26.4 14.5 21.7#

179 17.6 11.2 16.8#



#75

Fluoranthene

Concen: 6.909 ng

RT: 19.750 min Scan# 2785

Delta R.T. -0.003 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

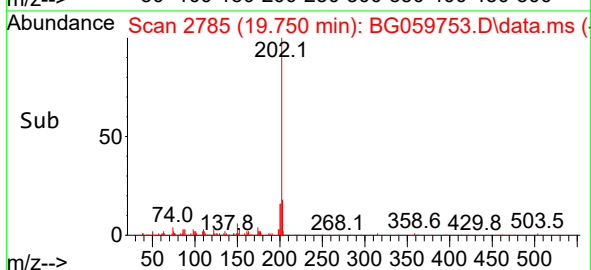
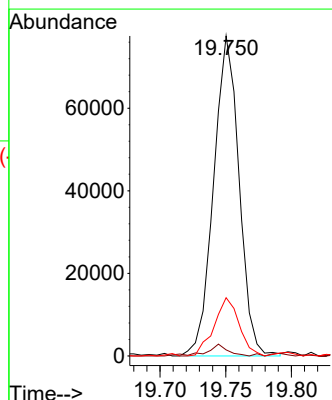
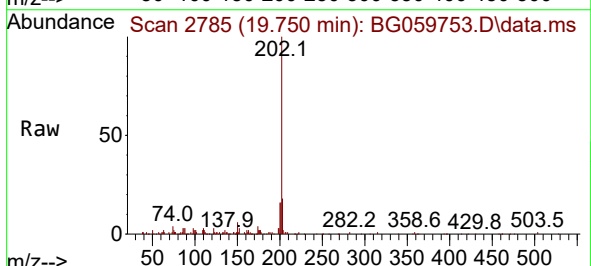
Tgt Ion:202 Resp: 104599

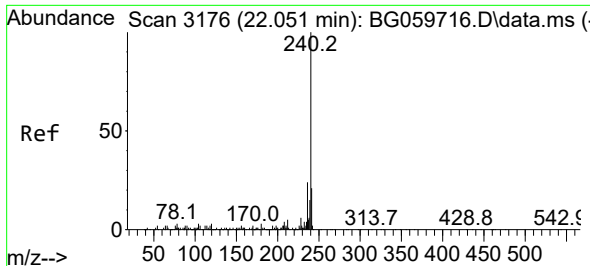
Ion Ratio Lower Upper

202 100

101 2.6 0.0 22.7

203 18.2 0.0 38.2

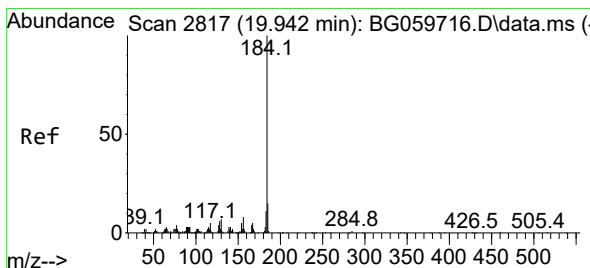
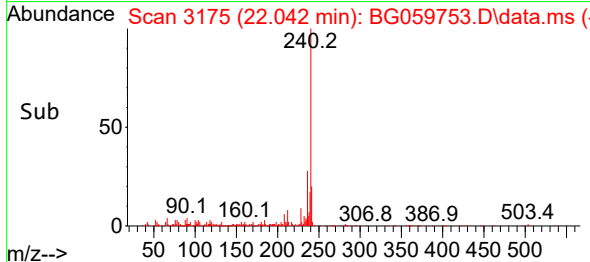
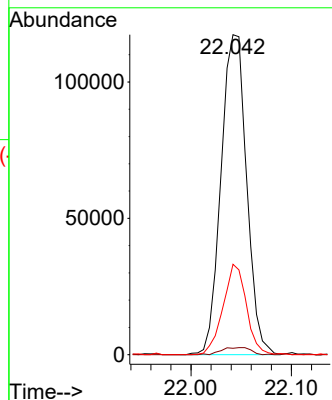
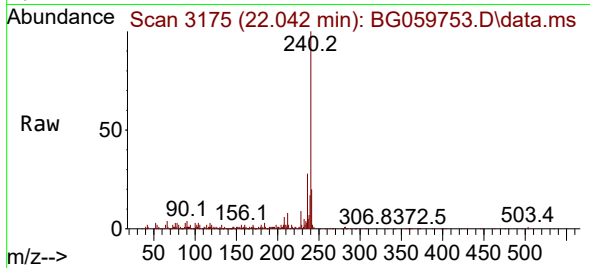




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

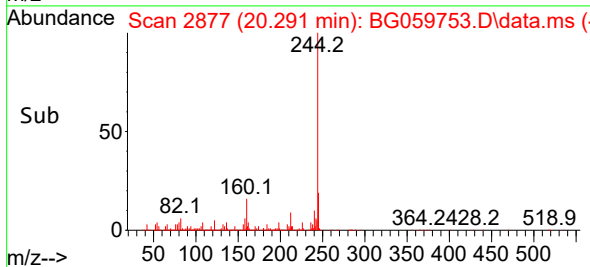
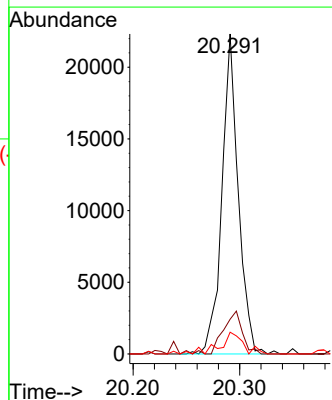
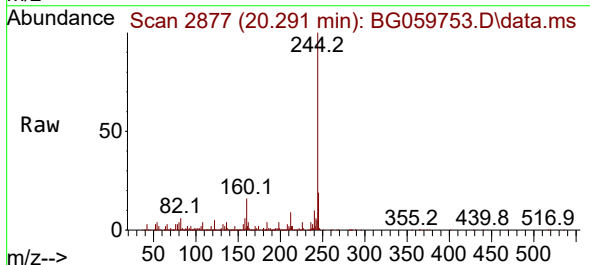
Instrument :
BNA_G
ClientSampleId :

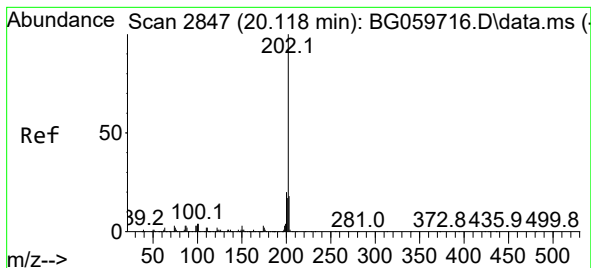
Tgt Ion:240 Resp: 207597
Ion Ratio Lower Upper
240 100
120 2.0 2.2 3.2#
236 28.3 19.4 29.2



#77
Benzidine
Concen: 5.048 ng
RT: 20.291 min Scan# 2877
Delta R.T. 0.349 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Tgt Ion:184 Resp: 23762
Ion Ratio Lower Upper
184 100
185 10.8 12.2 18.2#
183 6.8 8.8 13.2#





#78

Pyrene

Concen: 8.392 ng

RT: 20.115 min Scan# 2847

Delta R.T. -0.003 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

Instrument :

BNA_G

ClientSampleId :

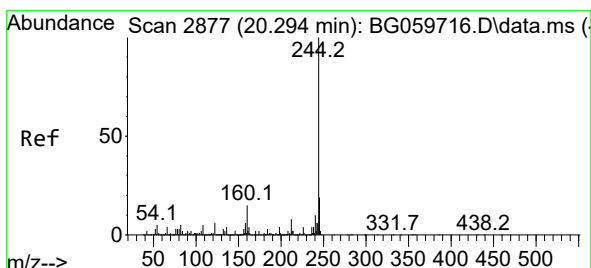
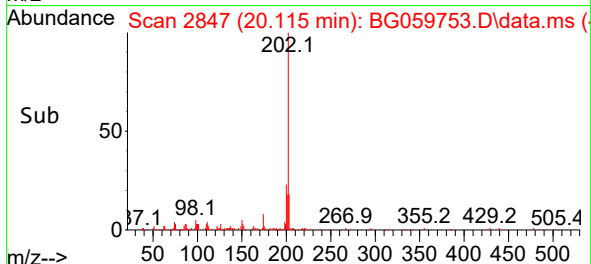
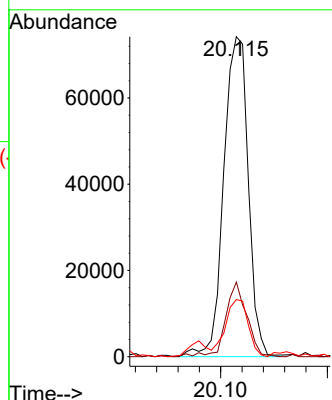
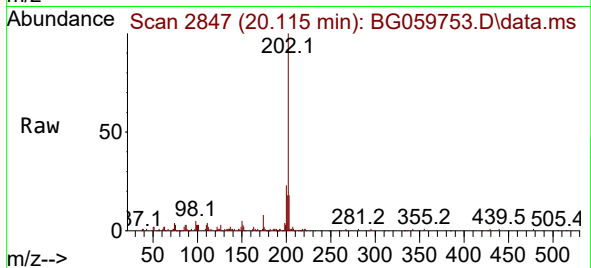
Tgt Ion:202 Resp: 118540

Ion Ratio Lower Upper

202 100

200 23.3 16.2 24.4

203 17.8 14.0 21.0



#79

Terphenyl-d14

Concen: 54.533 ng

RT: 20.291 min Scan# 2877

Delta R.T. -0.003 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

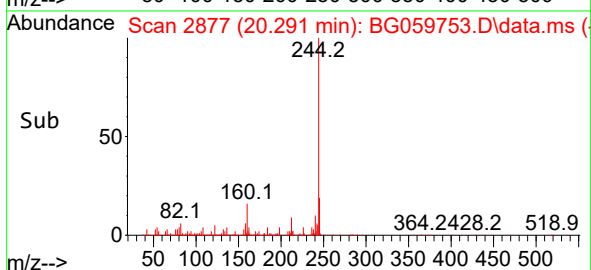
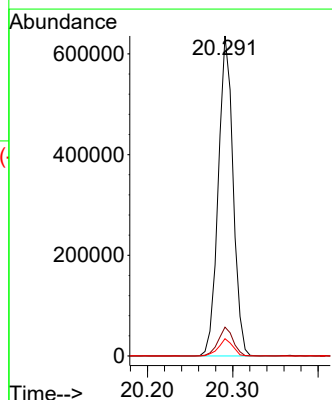
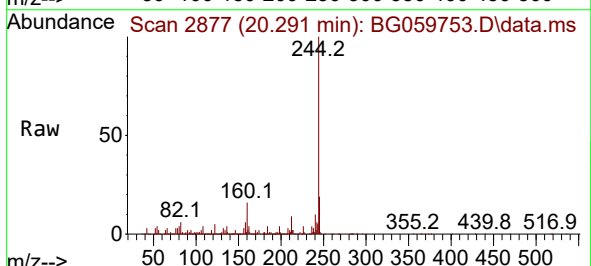
Tgt Ion:244 Resp: 766876

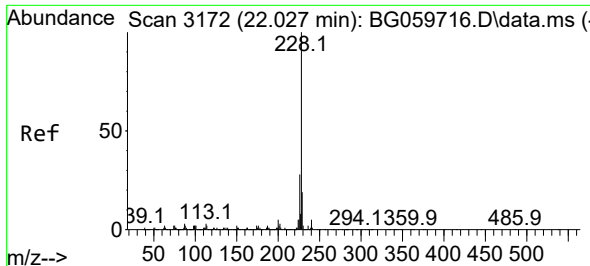
Ion Ratio Lower Upper

244 100

212 9.0 6.6 10.0

122 5.4 4.4 6.6

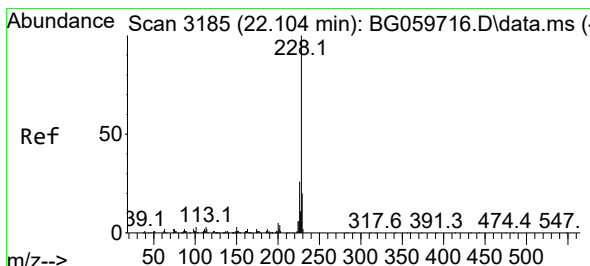
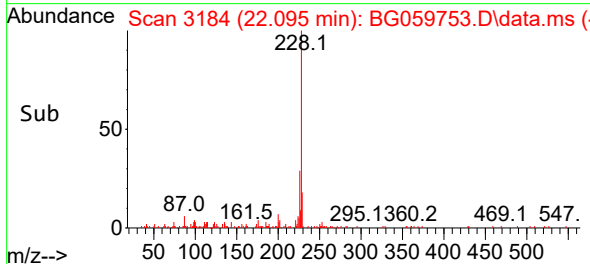
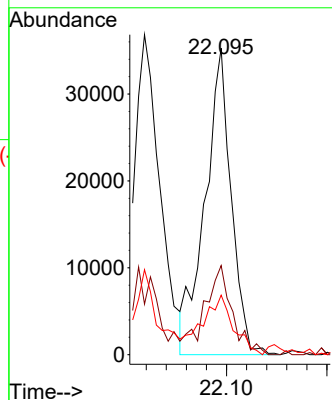
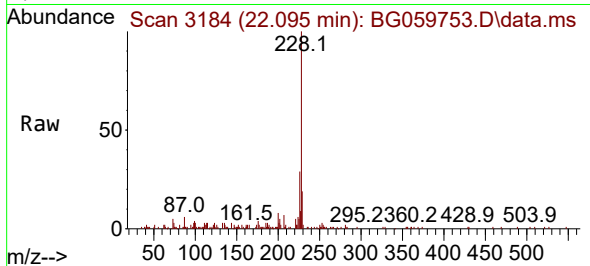




#81
Benzo(a)anthracene
Concen: 4.512 ng
RT: 22.095 min Scan# 3172
Delta R.T. 0.067 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

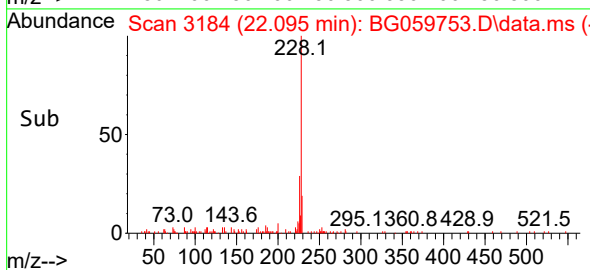
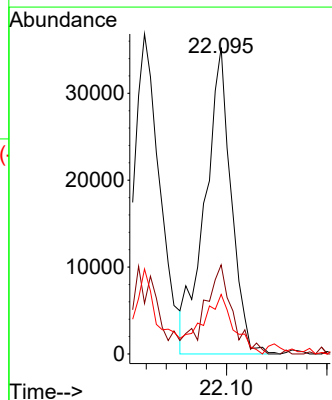
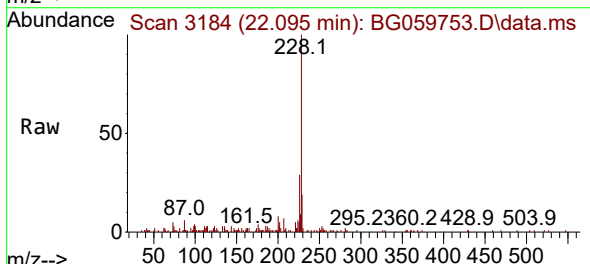
Instrument :
BNA_G
ClientSampleId :

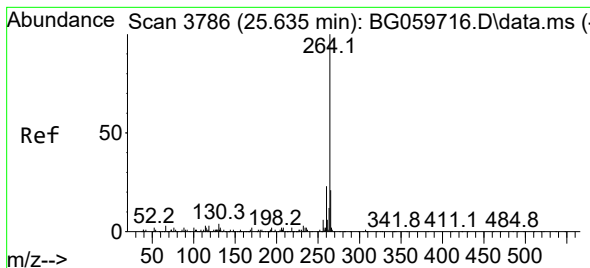
Tgt Ion:228 Resp: 64089
Ion Ratio Lower Upper
228 100
226 29.1 22.1 33.1
229 19.4 14.9 22.3



#83
Chrysene
Concen: 4.922 ng
RT: 22.095 min Scan# 3184
Delta R.T. -0.009 min
Lab File: BG059753.D
Acq: 18 Nov 2023 7:11

Tgt Ion:228 Resp: 64089
Ion Ratio Lower Upper
228 100
226 29.1 21.1 31.7
229 19.4 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.632 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

Instrument :

BNA_G

ClientSampleId :

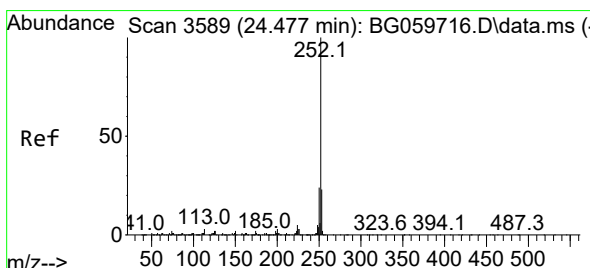
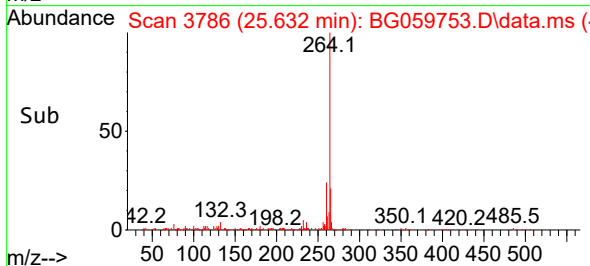
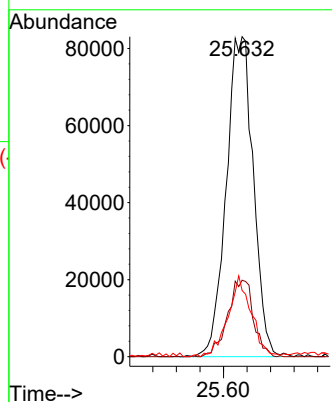
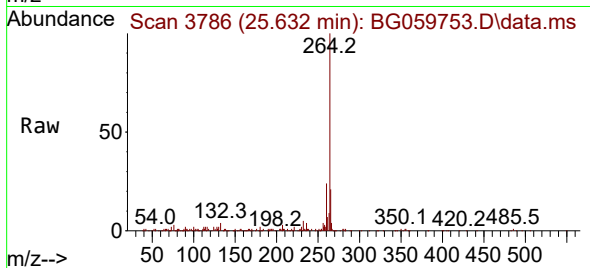
Tgt Ion:264 Resp: 264882

Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 20.7 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 6.183 ng

RT: 24.468 min Scan# 3588

Delta R.T. -0.009 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

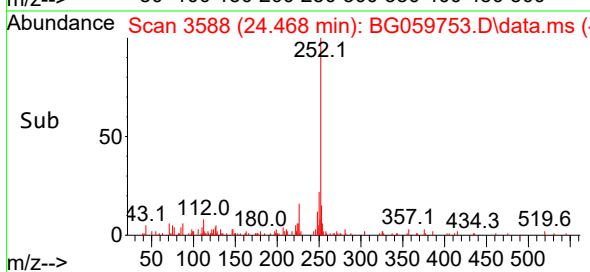
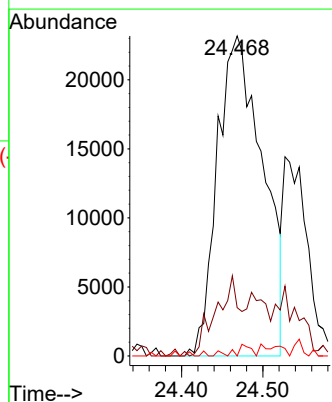
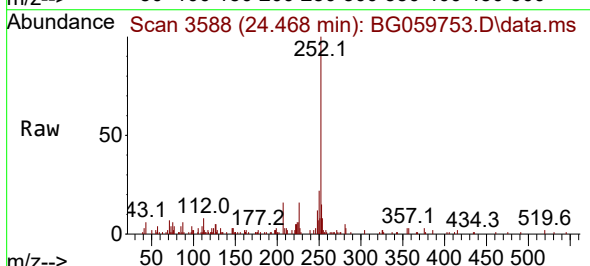
Tgt Ion:252 Resp: 89762

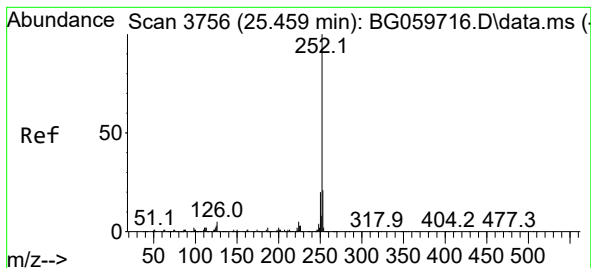
Ion Ratio Lower Upper

252 100

253 15.1 18.3 27.5#

125 0.0 1.4 2.0#





#90

Benzo(a)pyrene

Concen: 2.859 ng

RT: 25.291 min Scan# 31

Delta R.T. -0.168 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

Instrument :

BNA_G

ClientSampleId :

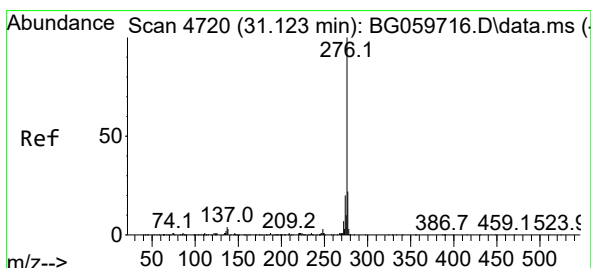
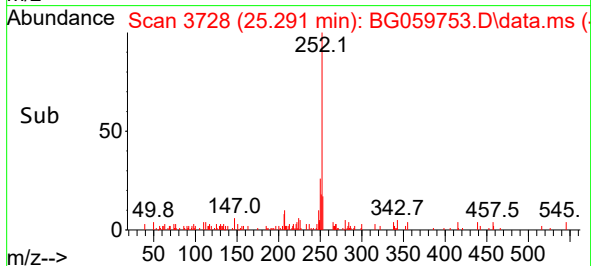
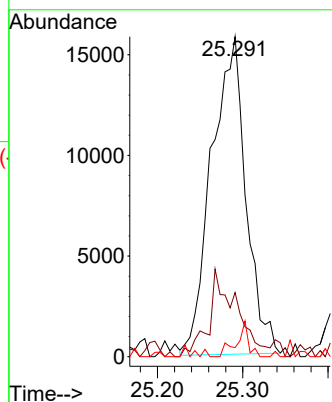
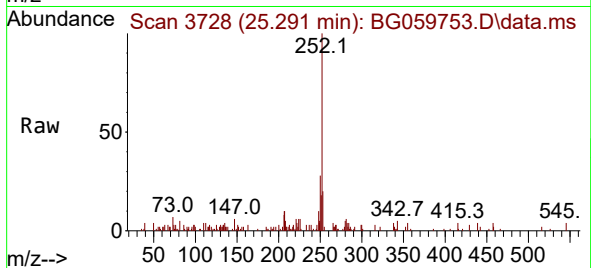
Tgt Ion:252 Resp: 44292

Ion Ratio Lower Upper

252 100

253 20.1 16.8 25.2

125 2.8 2.0 3.0



#92

Benzo(g,h,i)perylene

Concen: 2.997 ng

RT: 31.084 min Scan# 4714

Delta R.T. -0.038 min

Lab File: BG059753.D

Acq: 18 Nov 2023 7:11

Tgt Ion:276 Resp: 48224

Ion Ratio Lower Upper

276 100

277 29.5 17.3 25.9#

138 3.9 2.6 4.0

