

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059779.D
 Acq On : 20 Nov 2023 21:50
 Operator : MA/JU
 Sample : 05376-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 204

Quant Time: Nov 21 00:21:24 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)

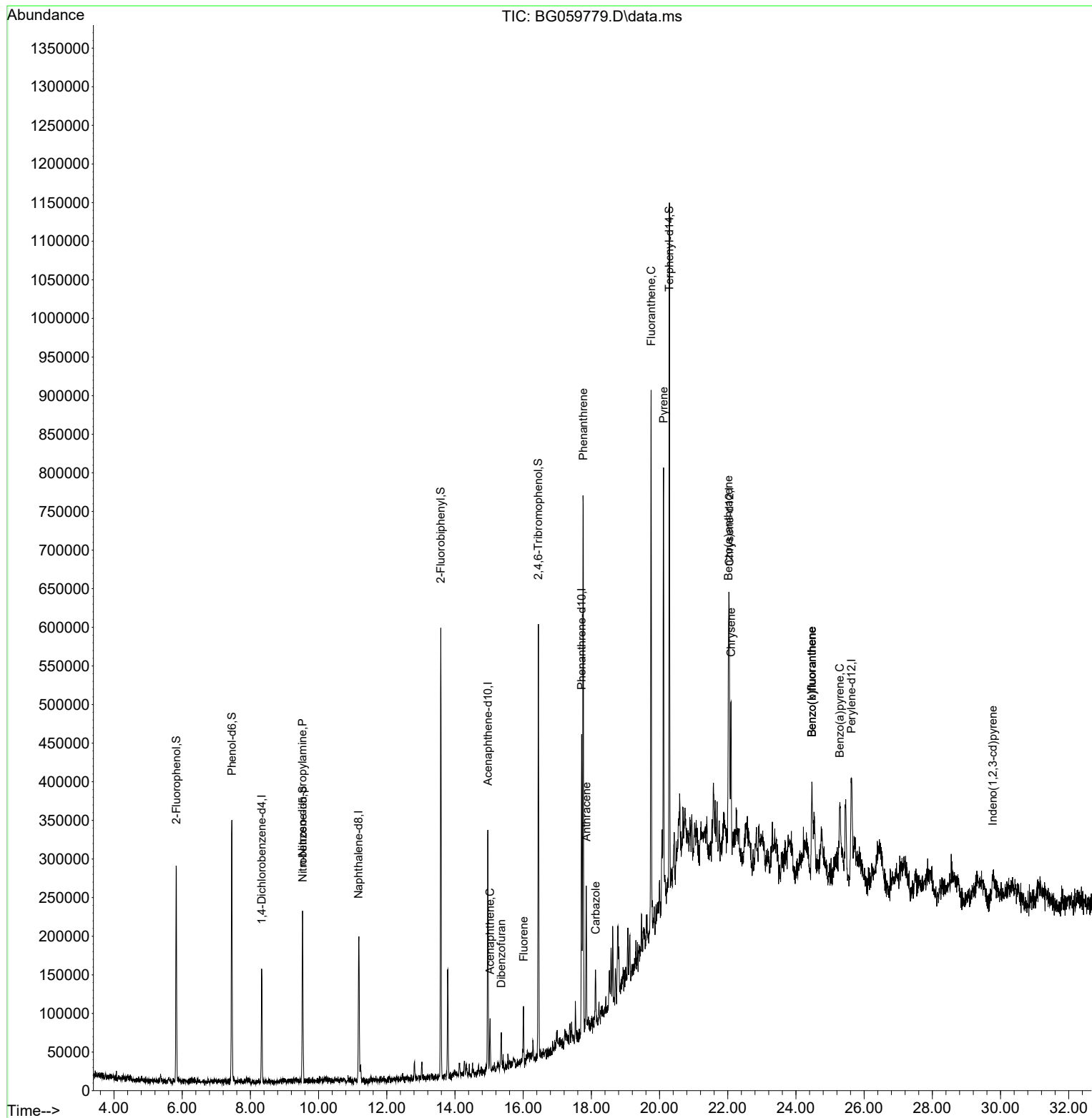
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.331	152	28134	20.000	ng	#-0.01
21) Naphthalene-d8	11.175	136	141253	20.000	ng	#-0.02
39) Acenaphthene-d10	14.965	164	96924	20.000	ng	# 0.00
64) Phenanthrene-d10	17.714	188	201844	20.000	ng	0.00
76) Chrysene-d12	22.044	240	152039	20.000	ng	# 0.00
86) Perylene-d12	25.628	264	174098	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	94326	56.431	ng	0.00
7) Phenol-d6	7.456	99	145233	58.632	ng	0.00
23) Nitrobenzene-d5	9.536	82	132620	35.858	ng	0.00
42) 2,4,6-Tribromophenol	16.445	330	71322	64.855	ng	-0.01
45) 2-Fluorobiphenyl	13.584	172	248846	34.559	ng	-0.01
79) Terphenyl-d14	20.288	244	322352	31.299	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.530	70	20705	10.615	ng	# 90
52) Acenaphthene	15.029	154	20799	3.880	ng	# 90
55) Dibenzofuran	15.358	168	23578	2.668	ng	# 87
58) Fluorene	16.010	166	31469	4.286	ng	# 93
71) Phenanthrene	17.761	178	383310	37.352	ng	96
72) Anthracene	17.849	178	104849	9.833	ng	99
73) Carbazole	18.126	167	30236	3.246	ng	# 91
75) Fluoranthene	19.753	202	396271	32.199	ng	99
78) Pyrene	20.117	202	338513	32.724	ng	96
81) Benzo(a)anthracene	22.021	228	161400	15.515	ng	# 93
83) Chrysene	22.097	228	135422	14.201	ng	96
87) Indeno(1,2,3-cd)pyrene	29.777	276	42271	3.209	ng	# 86
88) Benzo(b)fluoranthene	24.465	252	165419	17.336	ng	93
89) Benzo(k)fluoranthene	24.465	252	165419	17.535	ng	# 96
90) Benzo(a)pyrene	25.288	252	87303	8.573	ng	99

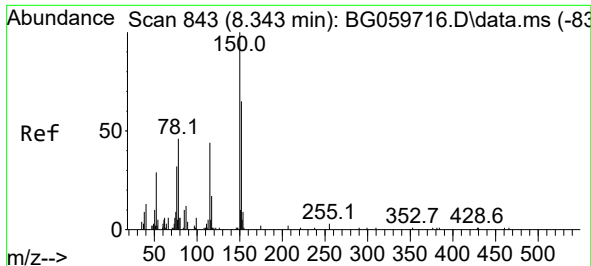
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
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Quant Time: Nov 21 00:21:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration

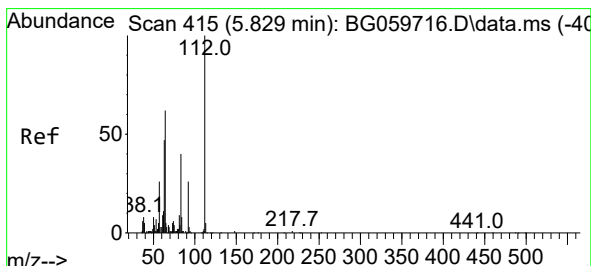
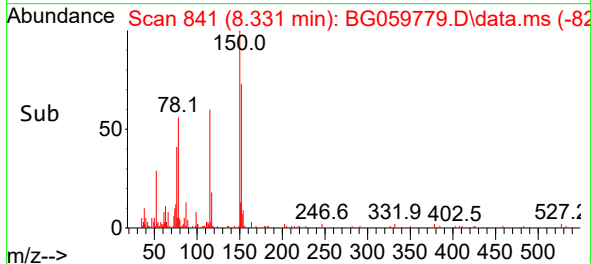
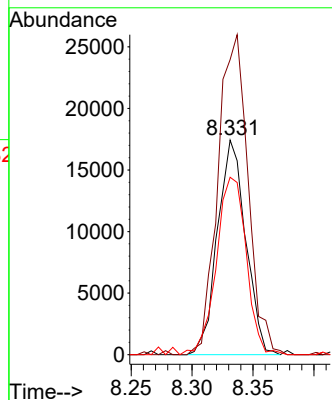
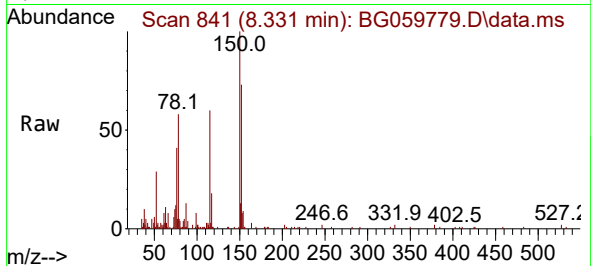




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.331 min Scan# 84
Delta R.T. -0.012 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

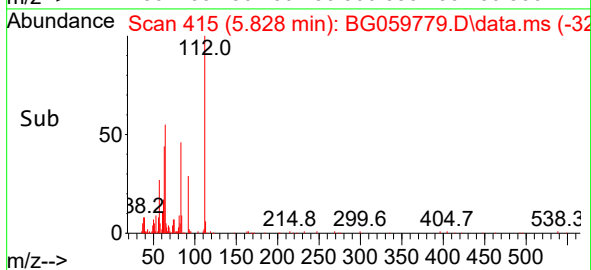
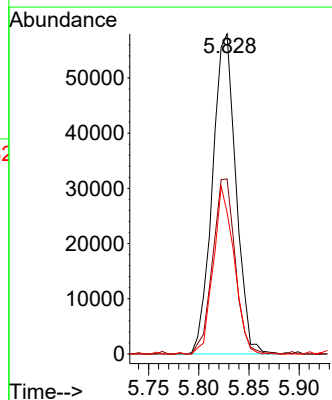
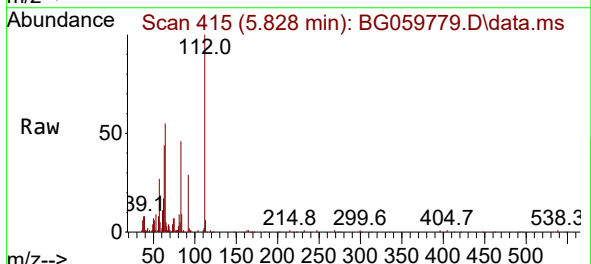
Instrument :
BNA_G
ClientSampleId :
204

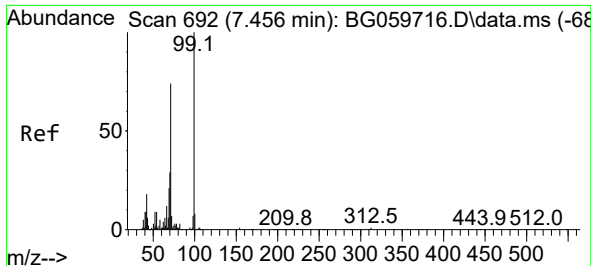
Tgt Ion:152 Resp: 28134
Ion Ratio Lower Upper
152 100
150 137.4 122.2 183.4
115 82.7 54.2 81.4#



#5
2-Fluorophenol
Concen: 56.431 ng
RT: 5.828 min Scan# 415
Delta R.T. -0.000 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Tgt Ion:112 Resp: 94326
Ion Ratio Lower Upper
112 100
64 54.7 49.5 74.3
63 44.2 37.4 56.2





#7

Phenol-d6

Concen: 58.632 ng

RT: 7.456 min Scan# 61

Delta R.T. -0.001 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Instrument :

BNA_G

ClientSampleId :

204

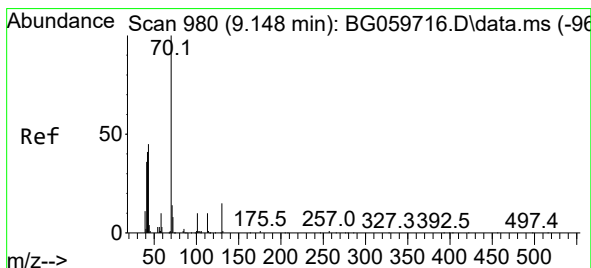
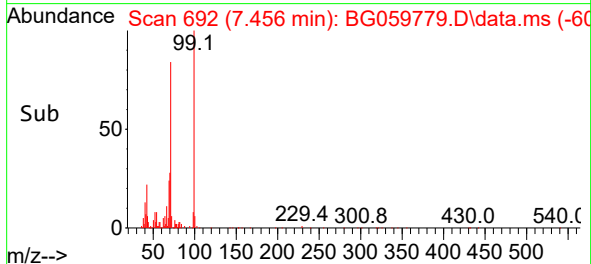
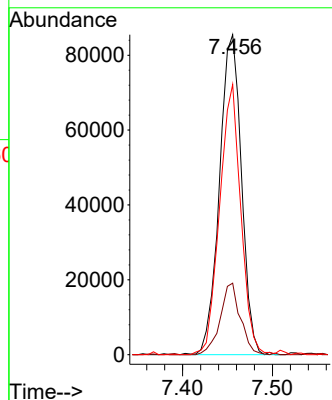
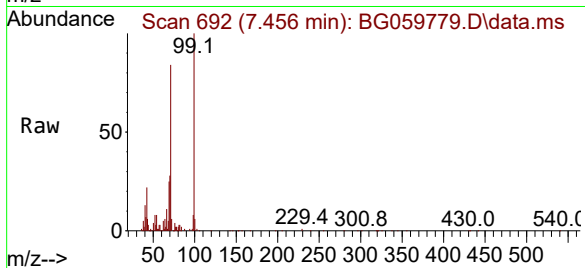
Tgt Ion: 99 Resp: 145233

Ion Ratio Lower Upper

99 100

42 22.3 14.3 21.5#

71 84.4 59.3 88.9



#19

n-Nitroso-di-n-propylamine

Concen: 10.615 ng

RT: 9.530 min Scan# 1045

Delta R.T. 0.381 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Tgt Ion: 70 Resp: 20705

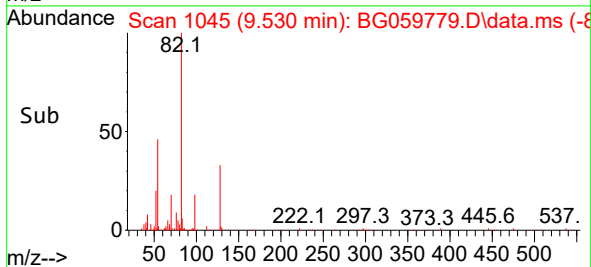
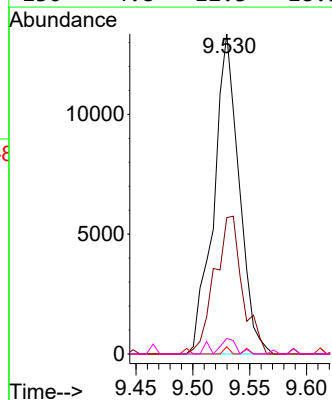
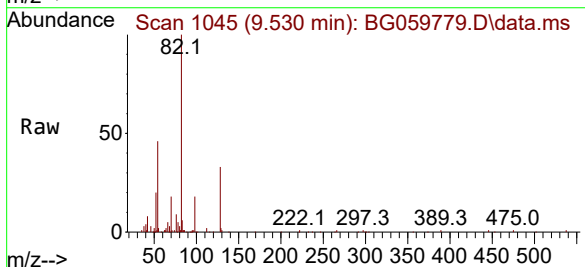
Ion Ratio Lower Upper

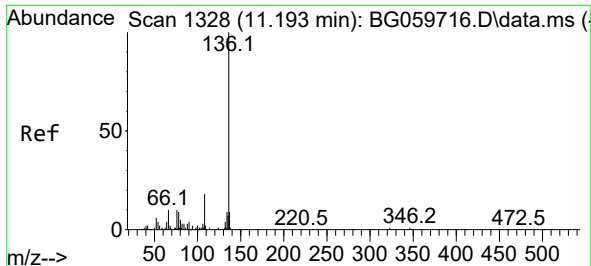
70 100

42 42.6 32.8 49.2

101 2.2 7.7 11.5#

130 4.8 12.3 18.5#

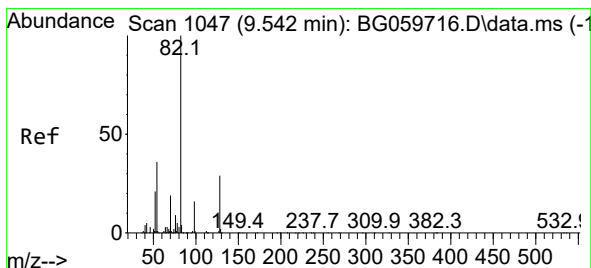
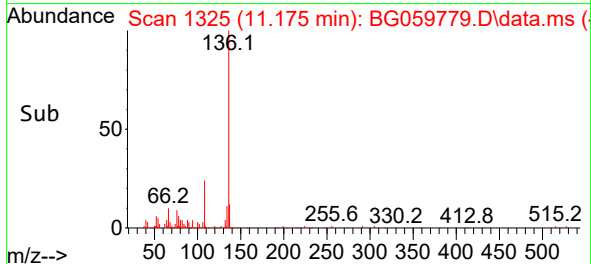
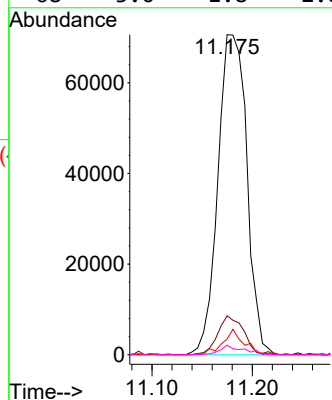
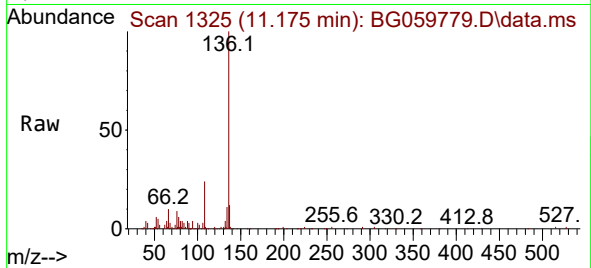




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 11
Delta R.T. -0.018 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

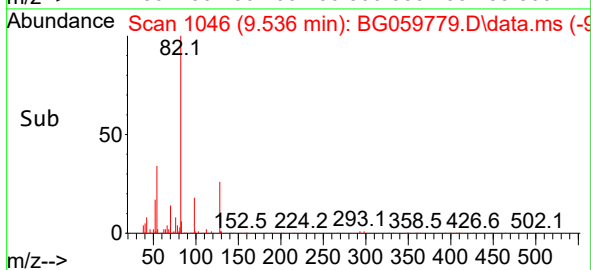
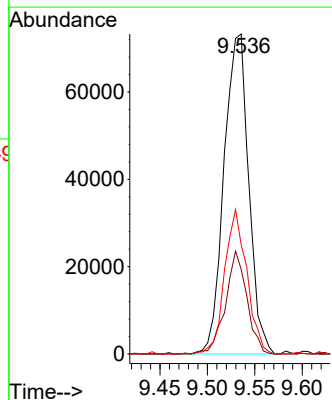
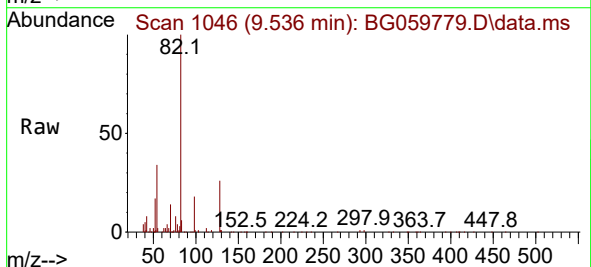
Instrument :
BNA_G
ClientSampleId :
204

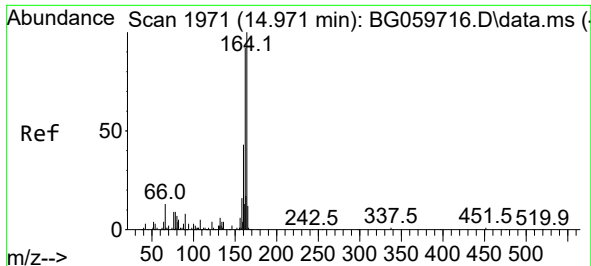
Tgt Ion:136 Resp: 141253
Ion Ratio Lower Upper
136 100
137 12.2 7.4 11.0#
54 4.9 3.1 4.7#
68 3.0 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 35.858 ng
RT: 9.536 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Tgt Ion: 82 Resp: 132620
Ion Ratio Lower Upper
82 100
128 26.5 23.0 34.6
54 34.2 28.7 43.1

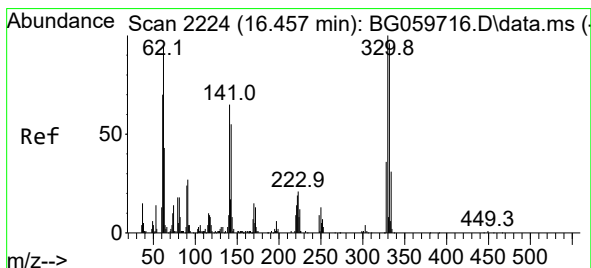
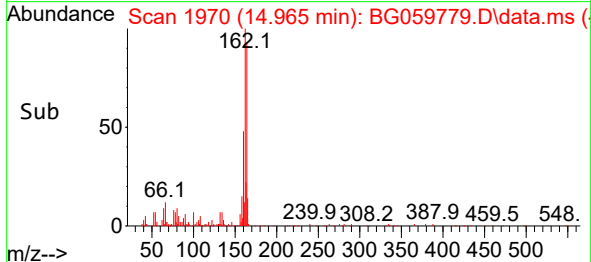
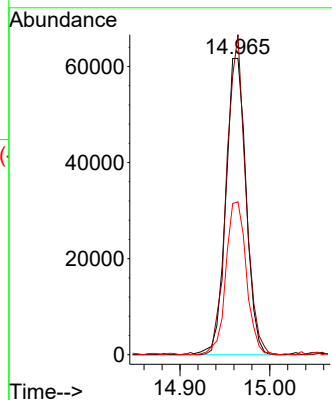
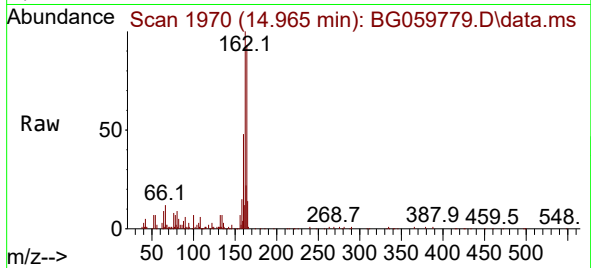




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.965 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

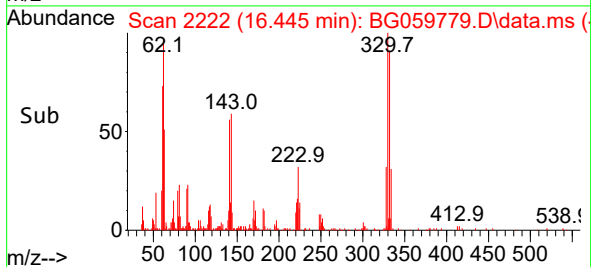
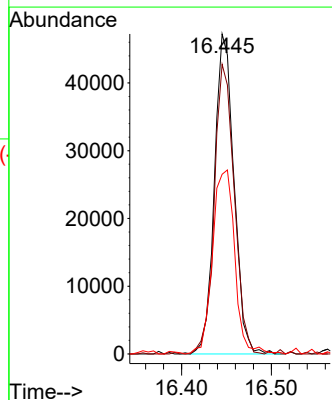
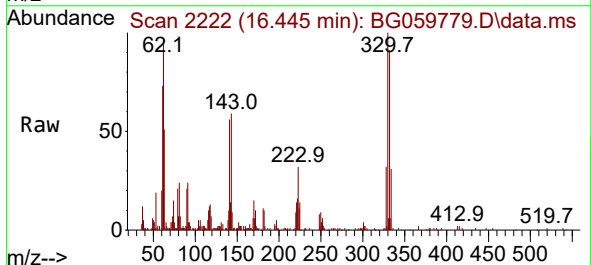
Instrument :
BNA_G
ClientSampleId :
204

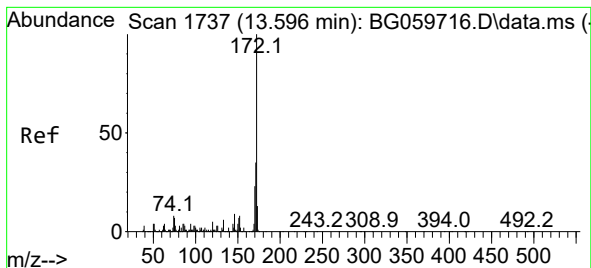
Tgt Ion:164 Resp: 96924
Ion Ratio Lower Upper
164 100
162 108.0 73.3 109.9
160 51.6 34.1 51.1#



#42
2,4,6-Tribromophenol
Concen: 64.855 ng
RT: 16.445 min Scan# 2222
Delta R.T. -0.012 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Tgt Ion:330 Resp: 71322
Ion Ratio Lower Upper
330 100
332 92.1 73.3 109.9
141 65.3 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 34.559 ng

RT: 13.584 min Scan# 1

Delta R.T. -0.012 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Instrument :

BNA_G

ClientSampleId :

204

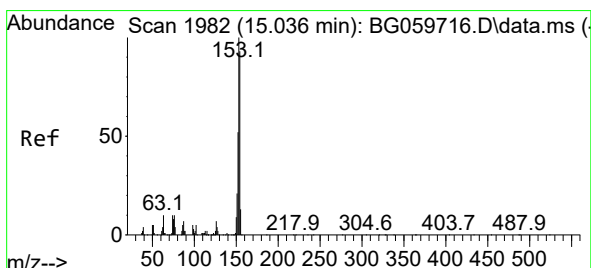
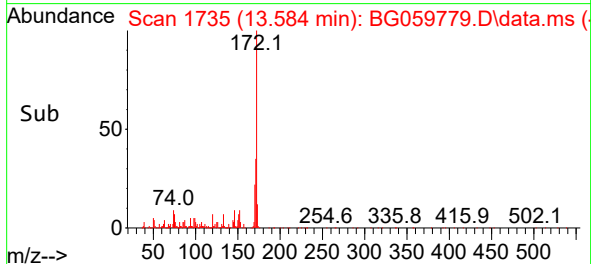
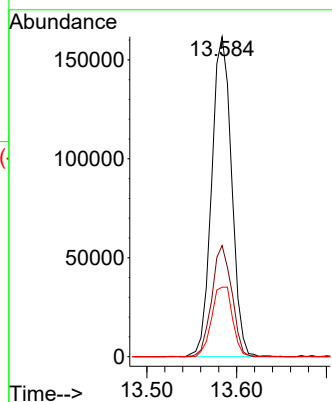
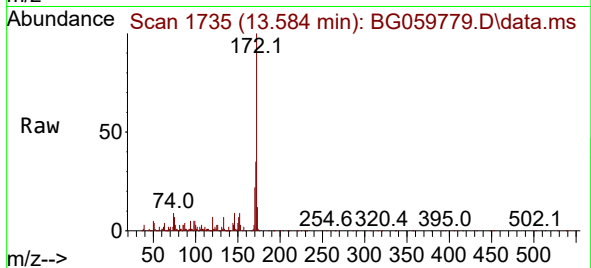
Tgt Ion:172 Resp: 248846

Ion Ratio Lower Upper

172 100

171 34.7 27.7 41.5

170 21.7 18.4 27.6



#52

Acenaphthene

Concen: 3.880 ng

RT: 15.029 min Scan# 1981

Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

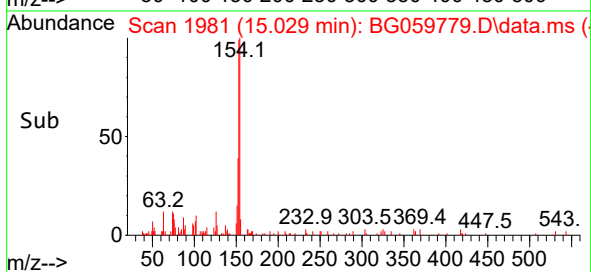
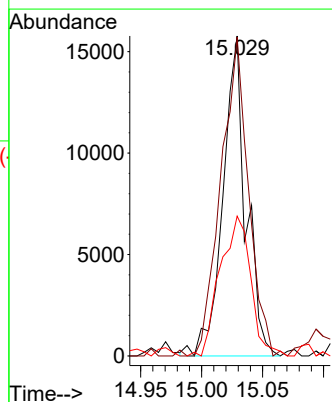
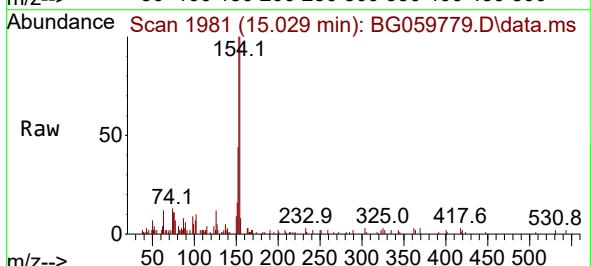
Tgt Ion:154 Resp: 20799

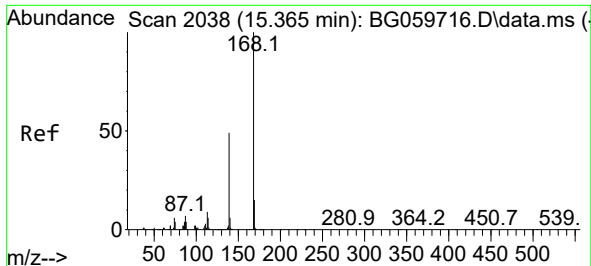
Ion Ratio Lower Upper

154 100

153 99.6 85.8 128.8

152 43.7 44.4 66.6#

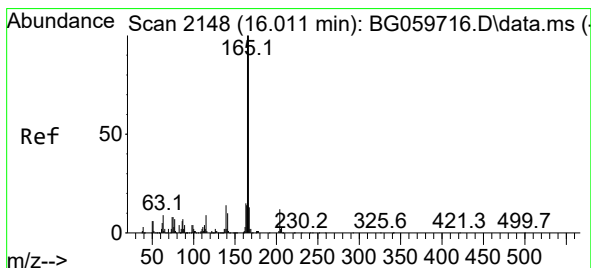
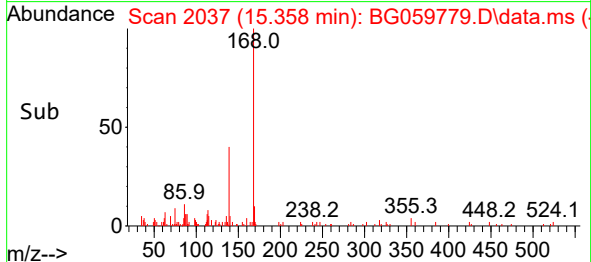
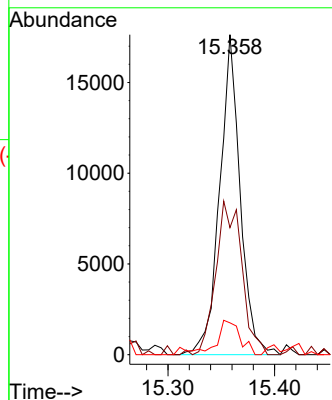
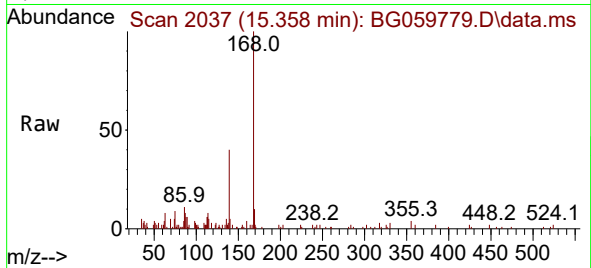




#55
Dibenzofuran
Concen: 2.668 ng
RT: 15.358 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

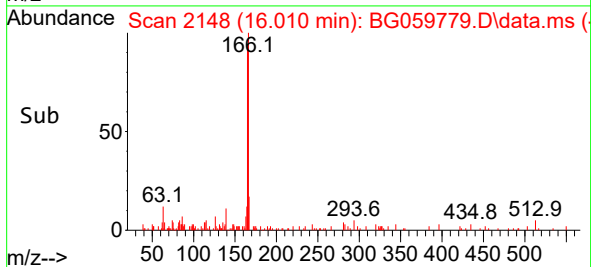
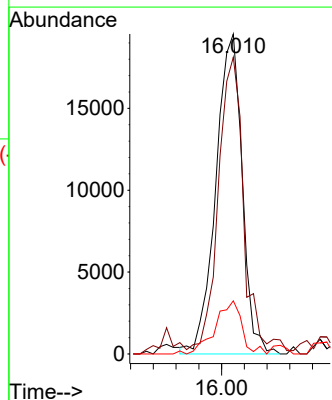
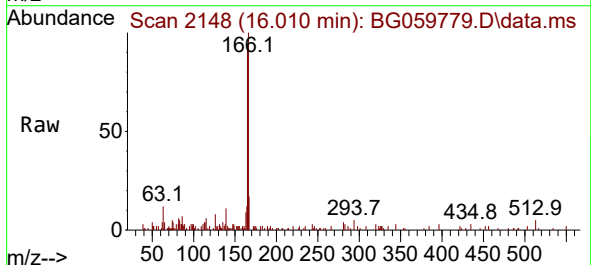
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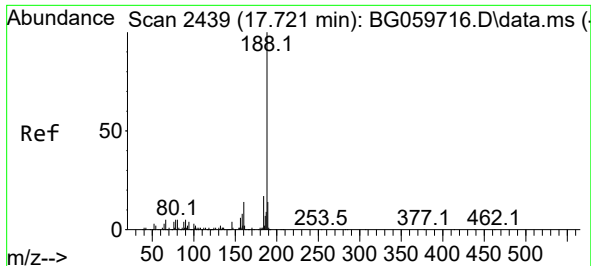
Tgt Ion:168 Resp: 23578
Ion Ratio Lower Upper
168 100
139 39.7 38.9 58.3
169 10.0 11.8 17.8#



#58
Fluorene
Concen: 4.286 ng
RT: 16.010 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Tgt Ion:166 Resp: 31469
Ion Ratio Lower Upper
166 100
165 92.8 79.9 119.9
167 16.6 10.1 15.1#

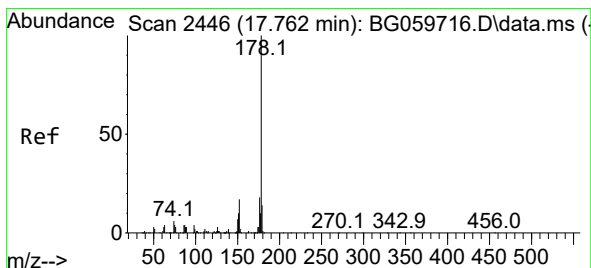
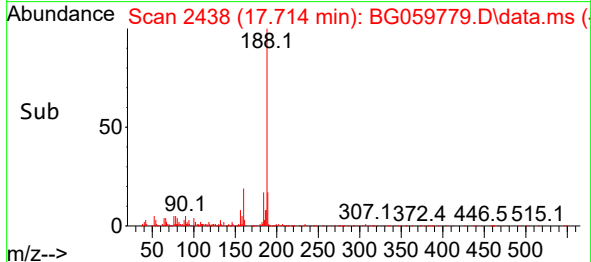
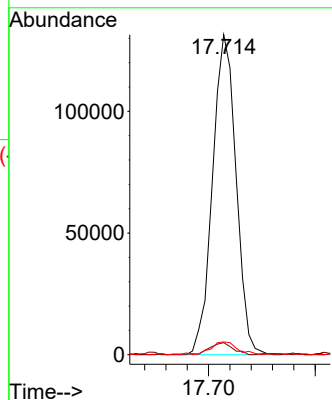
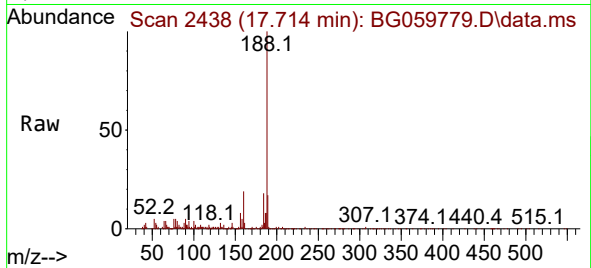




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.714 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

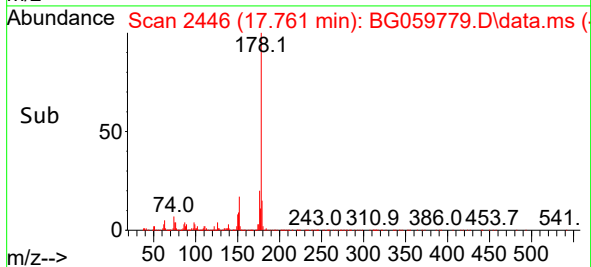
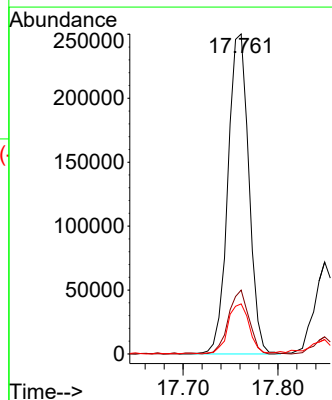
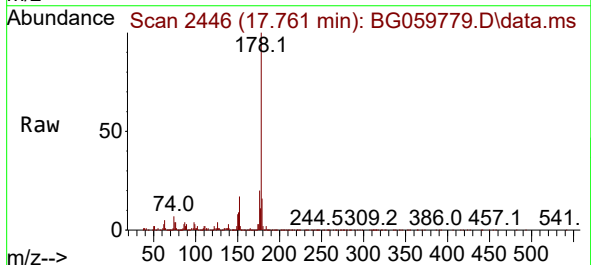
Instrument :
BNA_G
ClientSampleId :
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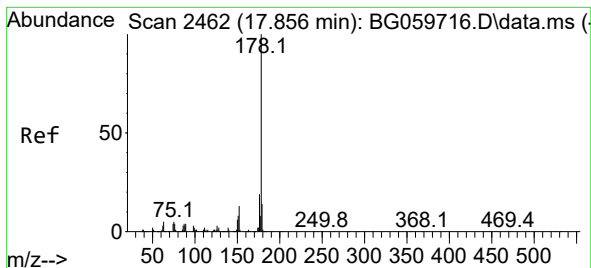
Tgt Ion:188 Resp: 201844
Ion Ratio Lower Upper
188 100
94 4.4 3.0 4.4
80 4.7 4.2 6.4



#71
Phenanthrene
Concen: 37.352 ng
RT: 17.761 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Tgt Ion:178 Resp: 383310
Ion Ratio Lower Upper
178 100
176 20.0 14.5 21.7
179 15.7 11.2 16.8





#72

Anthracene

Concen: 9.833 ng

RT: 17.849 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Instrument :

BNA_G

ClientSampleId :

204

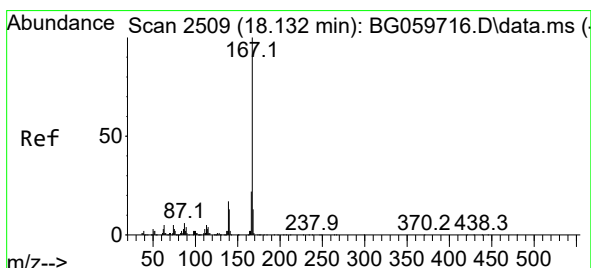
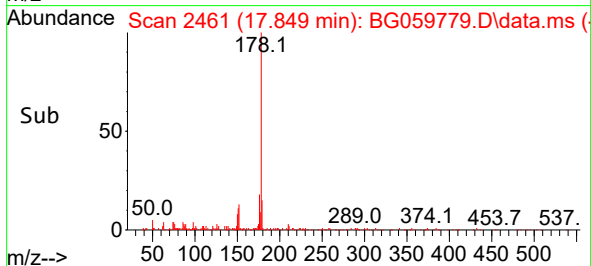
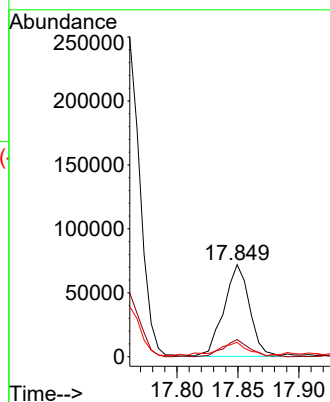
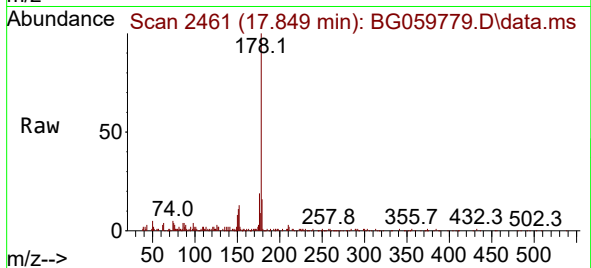
Tgt Ion:178 Resp: 104849

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.6 11.5 17.3



#73

Carbazole

Concen: 3.246 ng

RT: 18.126 min Scan# 2508

Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

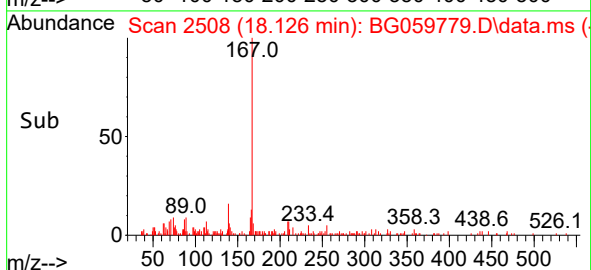
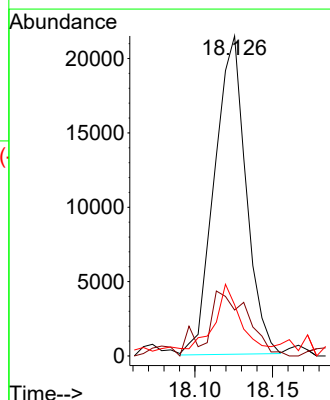
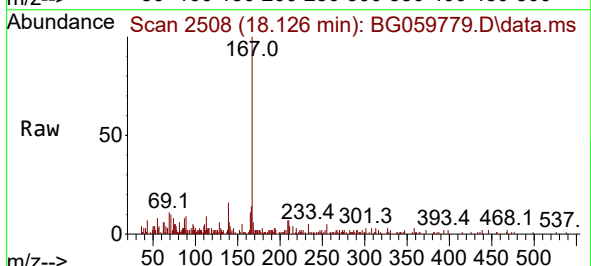
Tgt Ion:167 Resp: 30236

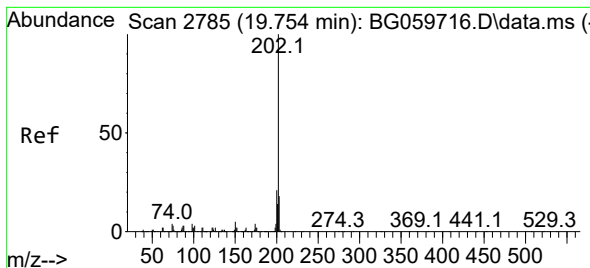
Ion Ratio Lower Upper

167 100

166 14.3 17.4 26.0#

139 16.0 13.2 19.8





#75

Fluoranthene

Concen: 32.199 ng

RT: 19.753 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Instrument :

BNA_G

ClientSampleId :

204

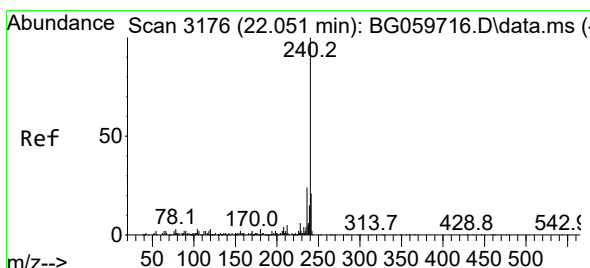
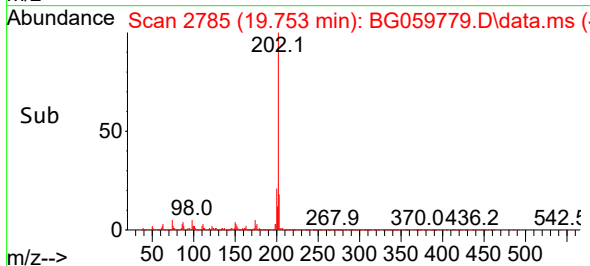
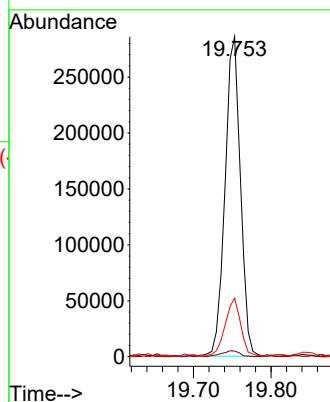
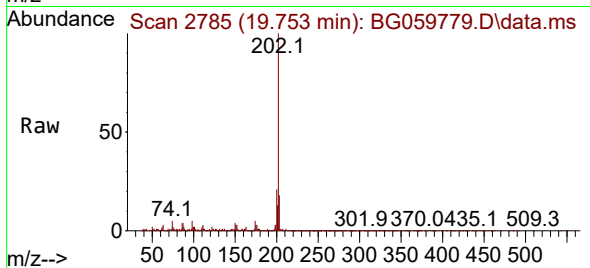
Tgt Ion:202 Resp: 396271

Ion Ratio Lower Upper

202 100

101 1.8 0.0 22.7

203 18.3 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.044 min Scan# 3175

Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

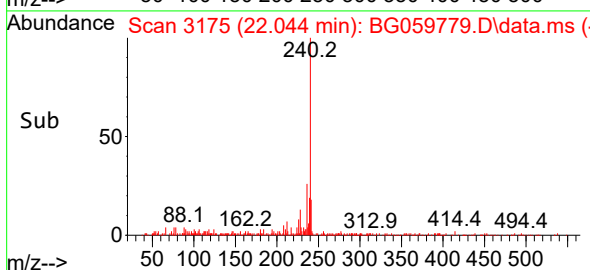
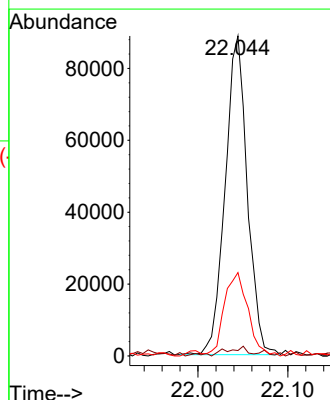
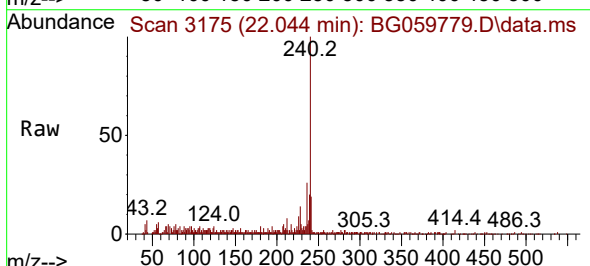
Tgt Ion:240 Resp: 152039

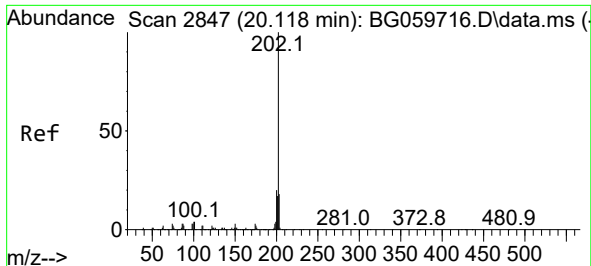
Ion Ratio Lower Upper

240 100

120 1.7 2.2 3.2#

236 26.1 19.4 29.2

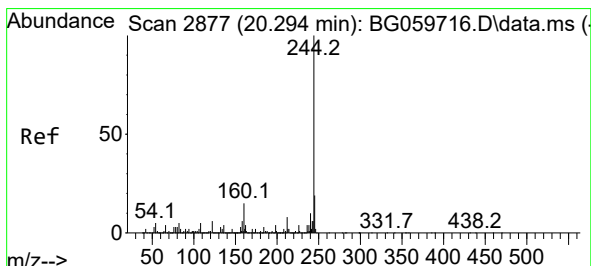
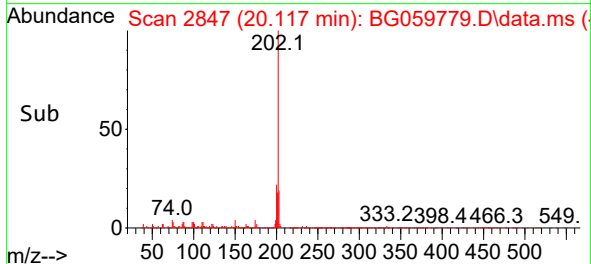
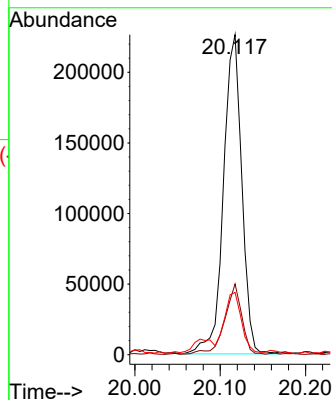
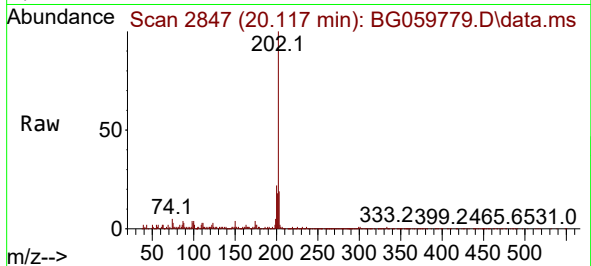




#78
Pyrene
Concen: 32.724 ng
RT: 20.117 min Scan# 204
Delta R.T. -0.000 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

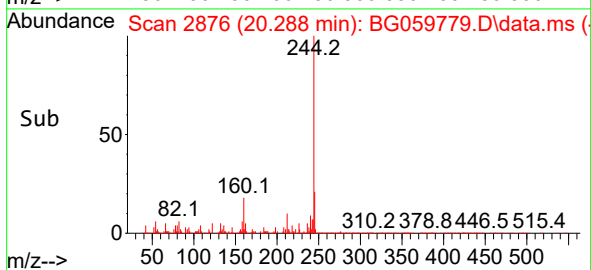
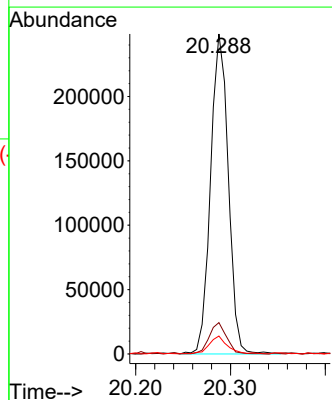
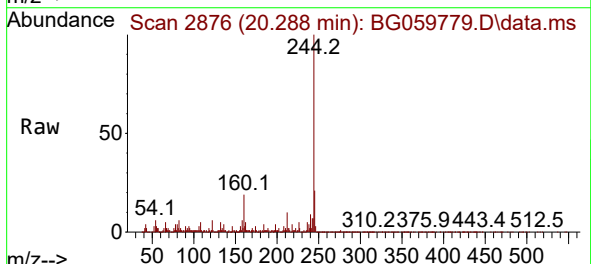
Instrument :
BNA_G
ClientSampleId :
204

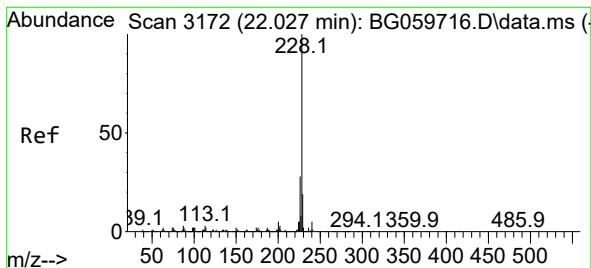
Tgt Ion:202 Resp: 338513
Ion Ratio Lower Upper
202 100
200 22.1 16.2 24.4
203 19.5 14.0 21.0



#79
Terphenyl-d14
Concen: 31.299 ng
RT: 20.288 min Scan# 2876
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Tgt Ion:244 Resp: 322352
Ion Ratio Lower Upper
244 100
212 9.8 6.6 10.0
122 5.6 4.4 6.6





#81

Benzo(a)anthracene

Concen: 15.515 ng

RT: 22.021 min Scan# 3172

Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Instrument :

BNA_G

ClientSampleId :

204

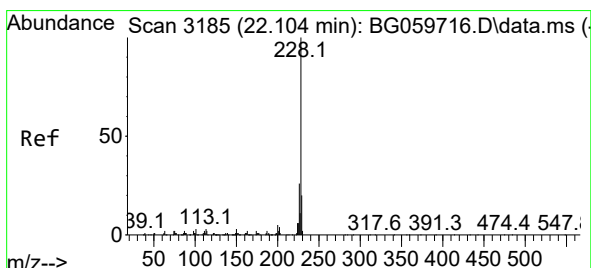
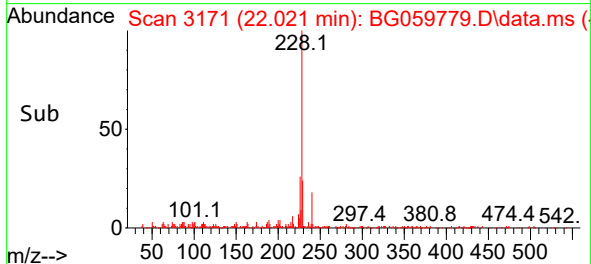
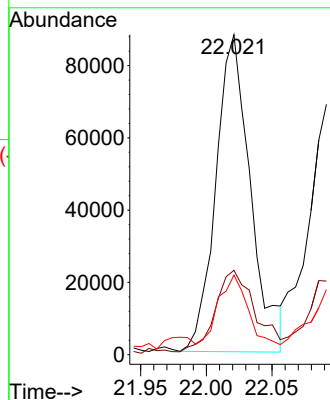
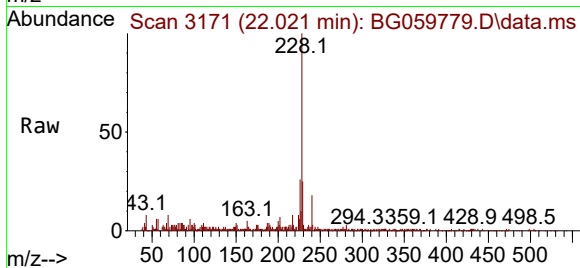
Tgt Ion:228 Resp: 161400

Ion Ratio Lower Upper

228 100

226 26.3 22.1 33.1

229 24.8 14.9 22.3#



#83

Chrysene

Concen: 14.201 ng

RT: 22.097 min Scan# 3184

Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

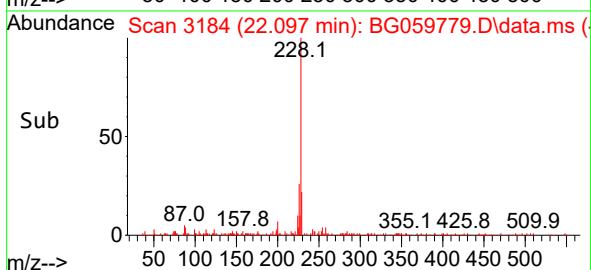
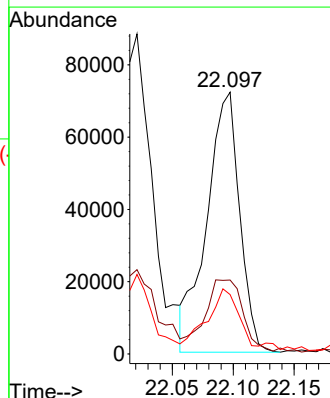
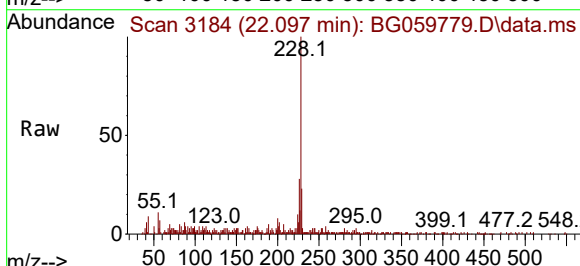
Tgt Ion:228 Resp: 135422

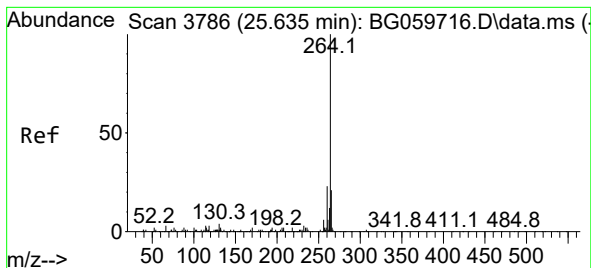
Ion Ratio Lower Upper

228 100

226 28.3 21.1 31.7

229 22.7 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.628 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Instrument :

BNA_G

ClientSampleId :

204

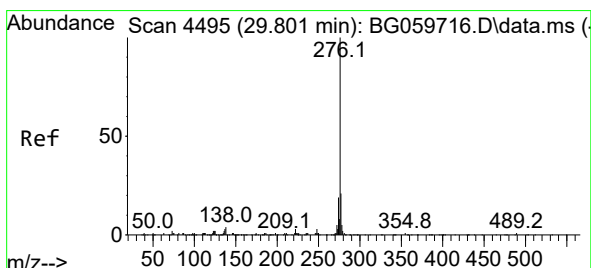
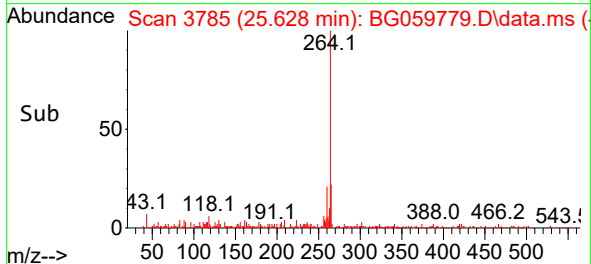
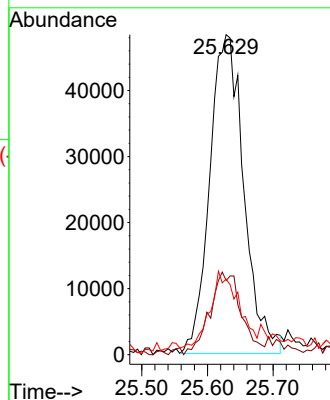
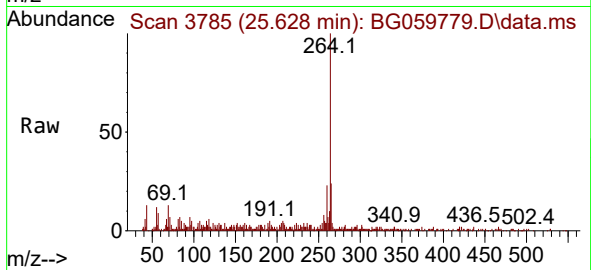
Tgt Ion:264 Resp: 174098

Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 23.6 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.209 ng

RT: 29.777 min Scan# 4491

Delta R.T. -0.024 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

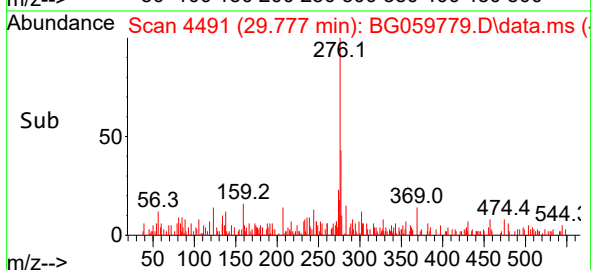
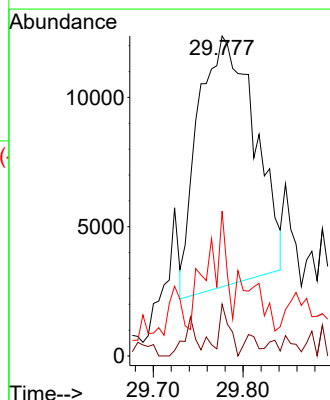
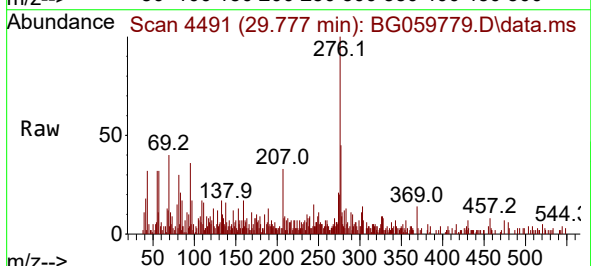
Tgt Ion:276 Resp: 42271

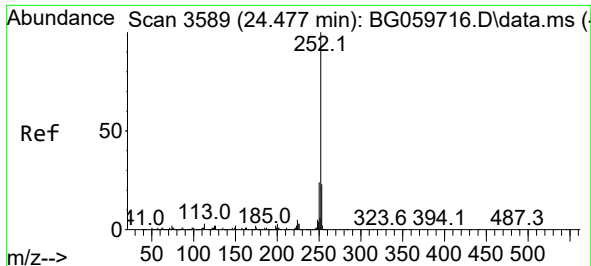
Ion Ratio Lower Upper

276 100

138 3.7 1.8 2.6#

277 18.2 9.8 14.6#

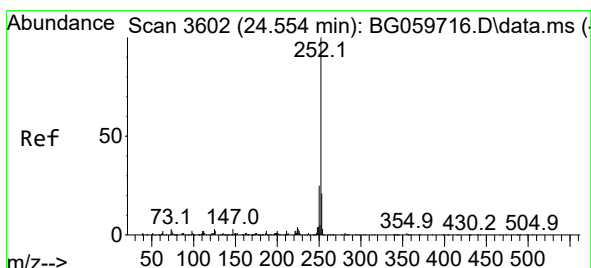
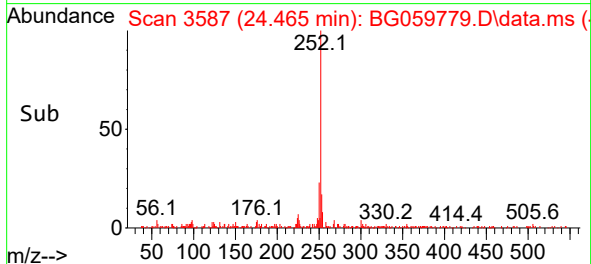
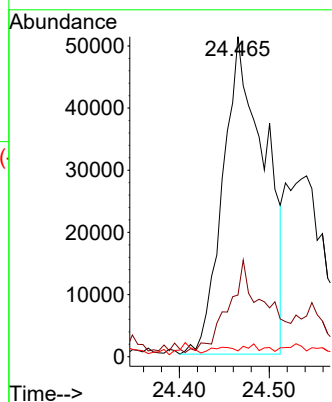
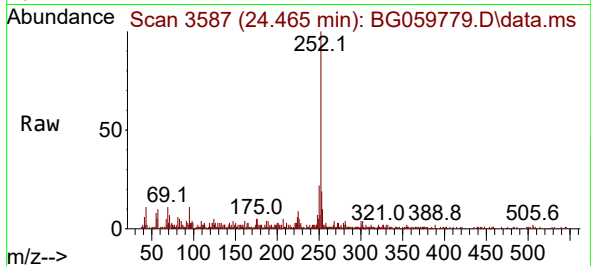




#88
Benzo(b)fluoranthene
Concen: 17.336 ng
RT: 24.465 min Scan# 3587
Delta R.T. -0.012 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

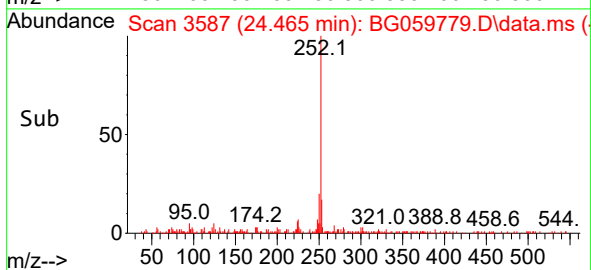
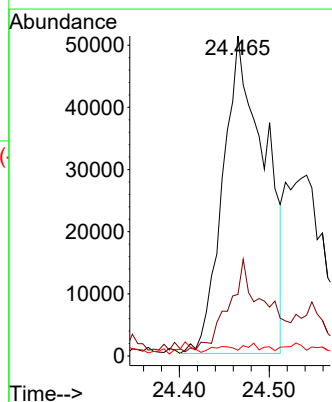
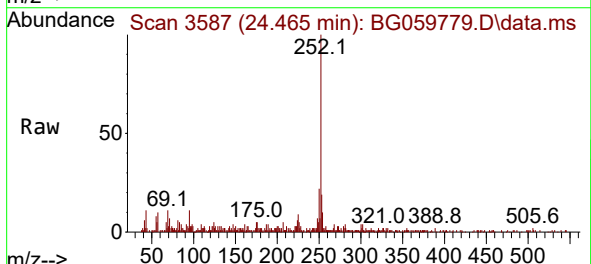
Instrument :
BNA_G
ClientSampleId :
204

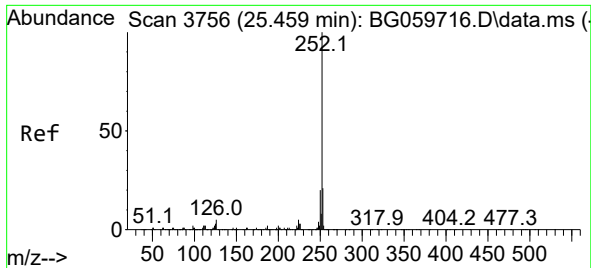
Tgt Ion:252 Resp: 165419
Ion Ratio Lower Upper
252 100
253 19.3 18.3 27.5
125 1.8 1.4 2.0



#89
Benzo(k)fluoranthene
Concen: 17.535 ng
RT: 24.465 min Scan# 3587
Delta R.T. -0.089 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Tgt Ion:252 Resp: 165419
Ion Ratio Lower Upper
252 100
253 19.3 17.1 25.7
125 1.8 2.2 3.2#





#90
 Benzo(a)pyrene
 Concen: 8.573 ng
 RT: 25.288 min Scan# 31
 Delta R.T. -0.171 min
 Lab File: BG059779.D
 Acq: 20 Nov 2023 21:50

Instrument :
 BNA_G
 ClientSampleId :
 204

Tgt Ion:252 Resp: 87303
 Ion Ratio Lower Upper
 252 100
 253 21.4 16.8 25.2
 125 2.8 2.0 3.0

