

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120623\
 Data File : BG059978.D
 Acq On : 6 Dec 2023 20:41
 Operator : MA/JU
 Sample : 05592-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW04S

Quant Time: Dec 06 23:18:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 05 02:26:15 2023
 Response via : Initial Calibration

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

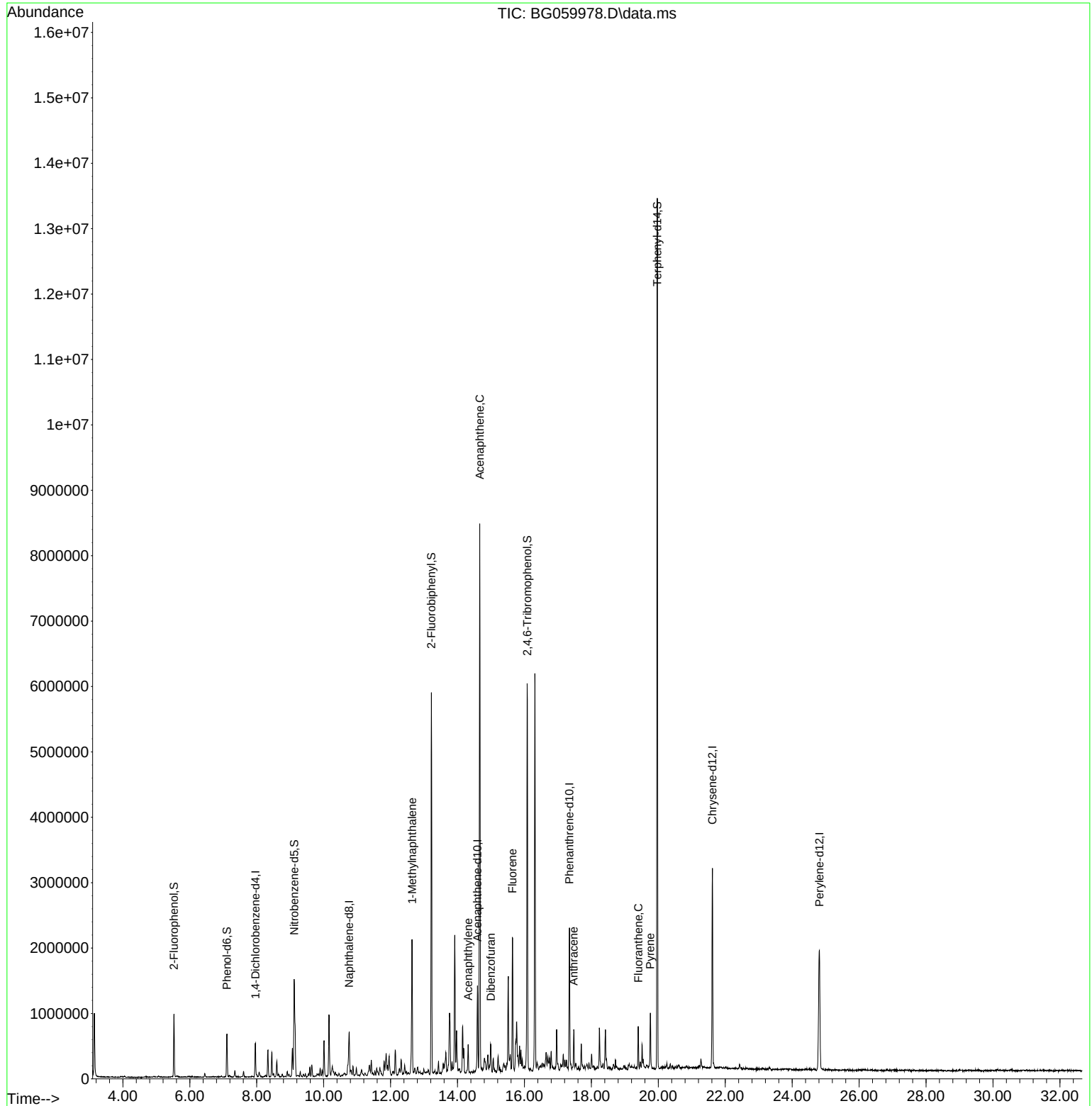
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.961	152	141715	20.000	ng	# 0.00
21) Naphthalene-d8	10.764	136	514136	20.000	ng	# 0.00
39) Acenaphthene-d10	14.595	164	465796	20.000	ng	0.00
64) Phenanthrene-d10	17.344	188	1519705	20.000	ng	# 0.00
76) Chrysene-d12	21.616	240	2040158	20.000	ng	0.00
86) Perylene-d12	24.812	264	2416392	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	381498	54.089	ng	0.00
7) Phenol-d6	7.109	99	328301	29.532	ng	0.00
23) Nitrobenzene-d5	9.119	82	911850	63.399	ng	0.00
42) 2,4,6-Tribromophenol	16.087	330	1436718	95.867	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	3051205	71.446	ng	0.00
79) Terphenyl-d14	19.971	244	6247596	52.791	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.644	142	809388	36.947	ng	# 97
49) Acenaphthylene	14.318	152	88999	2.183	ng	# 84
52) Acenaphthene	14.665	154	3039455	103.314	ng	94
55) Dibenzofuran	14.994	168	147930	2.981	ng	# 87
58) Fluorene	15.640	166	948168	22.454	ng	99
72) Anthracene	17.474	178	429002	5.849	ng	96
75) Fluoranthene	19.401	202	438621	3.719	ng	93
78) Pyrene	19.759	202	567914	5.231	ng	96

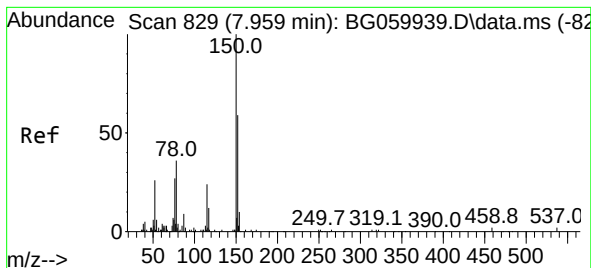
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 06 23:18:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 05 02:26:15 2023
Response via : Initial Calibration

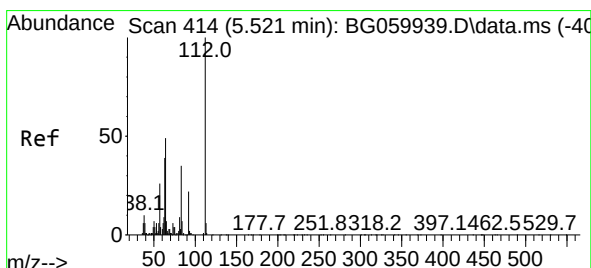
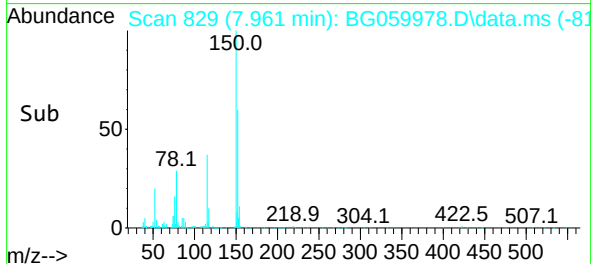
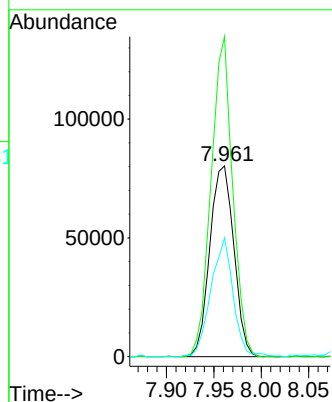
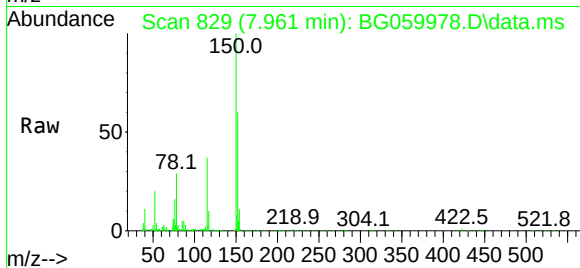




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.961 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

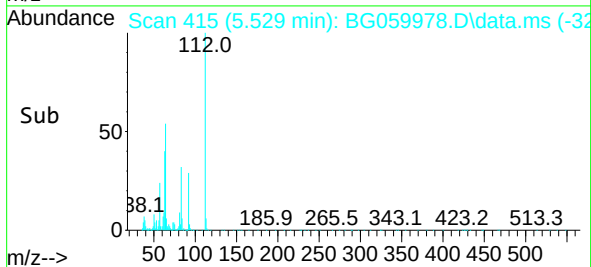
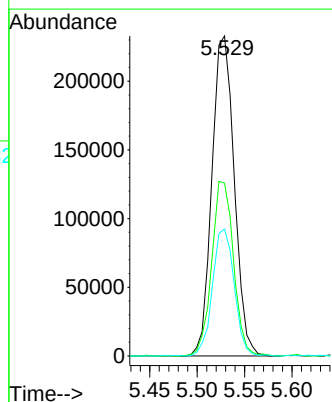
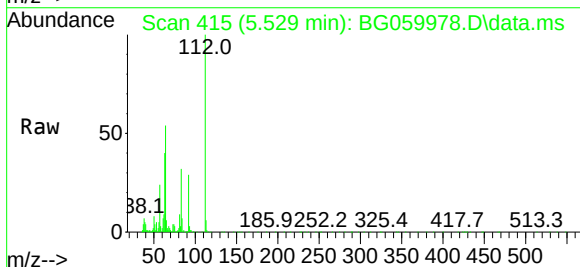
Instrument :
BNA_G
ClientSampleId :
MW04S

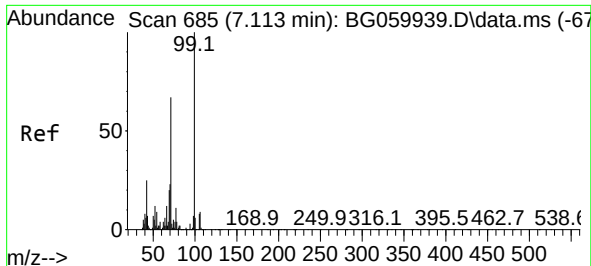
Tgt Ion:152 Resp: 141715
Ion Ratio Lower Upper
152 100
150 167.8 136.9 205.3
115 62.3 32.9 49.3#



#5
2-Fluorophenol
Concen: 54.089 ng
RT: 5.529 min Scan# 415
Delta R.T. 0.008 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

Tgt Ion:112 Resp: 381498
Ion Ratio Lower Upper
112 100
64 54.0 39.4 59.0
63 39.6 31.2 46.8

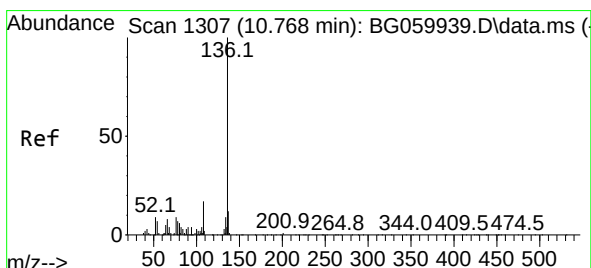
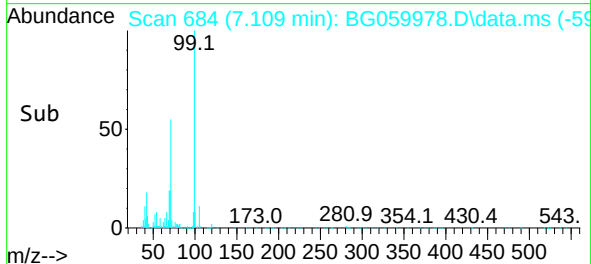
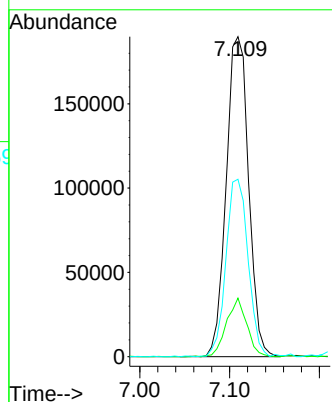
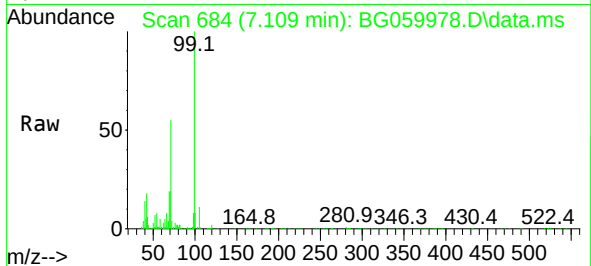




#7
Phenol-d6
Concen: 29.532 ng
RT: 7.109 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

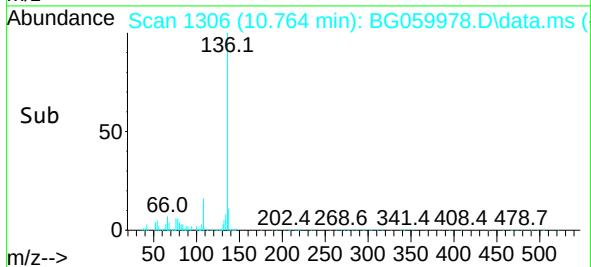
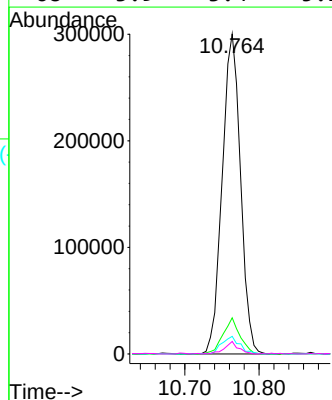
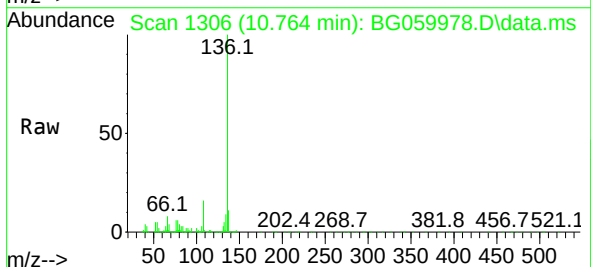
Instrument :
BNA_G
ClientSampleId :
MW04S

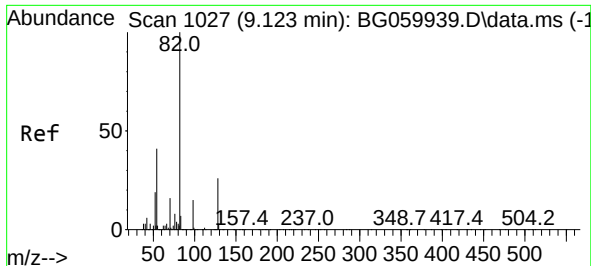
Tgt Ion: 99 Resp: 328301
Ion Ratio Lower Upper
99 100
42 18.3 20.1 30.1#
71 55.4 53.8 80.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.764 min Scan# 1306
Delta R.T. -0.004 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

Tgt Ion: 136 Resp: 514136
Ion Ratio Lower Upper
136 100
137 11.3 9.8 14.6
54 5.5 5.8 8.6#
68 3.9 3.4 5.2

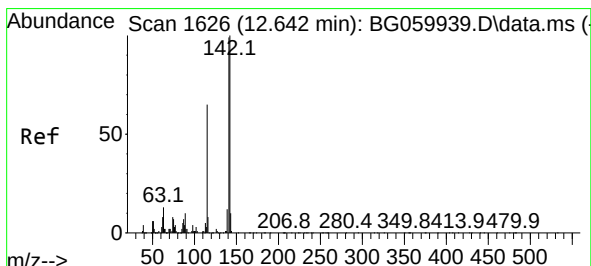
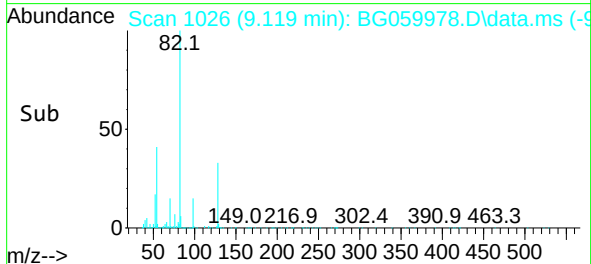
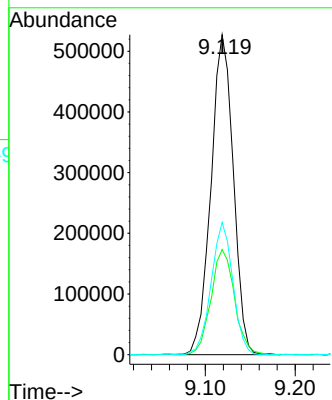
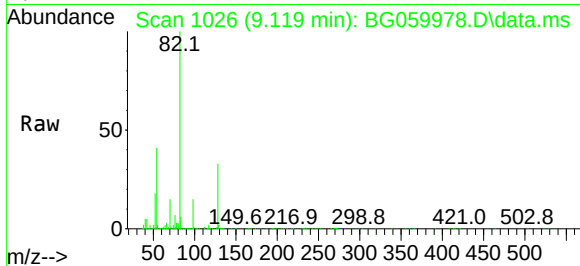




#23
Nitrobenzene-d5
Concen: 63.399 ng
RT: 9.119 min Scan# 1026
Delta R.T. -0.004 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

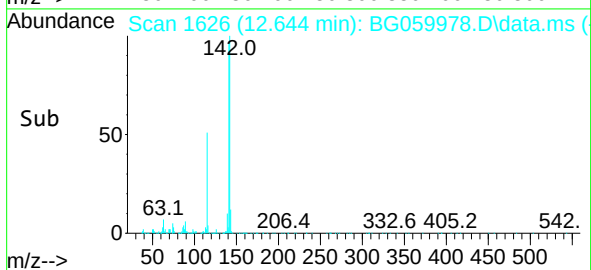
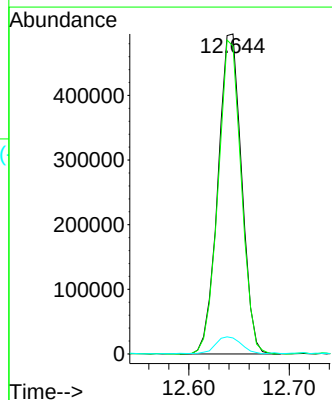
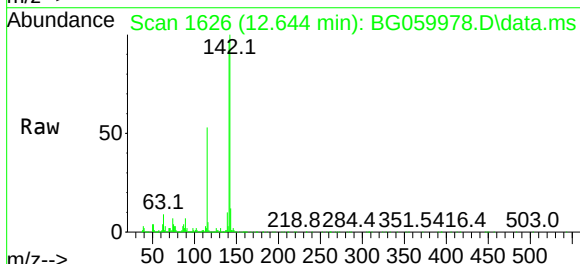
Instrument :
BNA_G
ClientSampleId :
MW04S

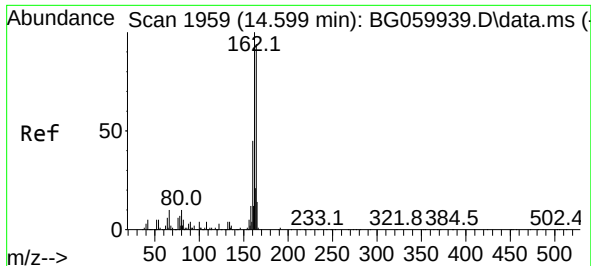
Tgt Ion: 82 Resp: 911850
Ion Ratio Lower Upper
82 100
128 32.8 21.0 31.6#
54 41.4 32.6 48.8



#38
1-Methylnaphthalene
Concen: 36.947 ng
RT: 12.644 min Scan# 1626
Delta R.T. 0.002 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

Tgt Ion:142 Resp: 809388
Ion Ratio Lower Upper
142 100
141 96.2 79.4 119.2
116 5.0 6.2 9.4#

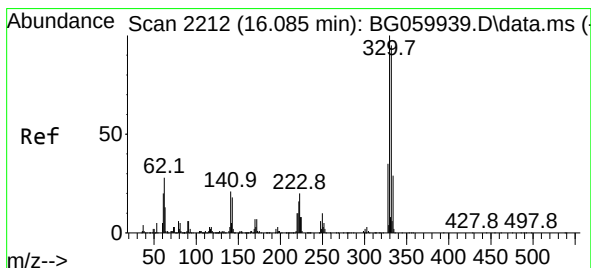
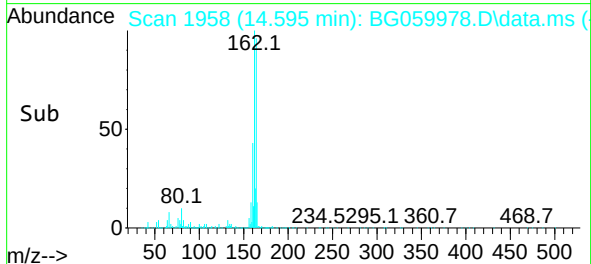
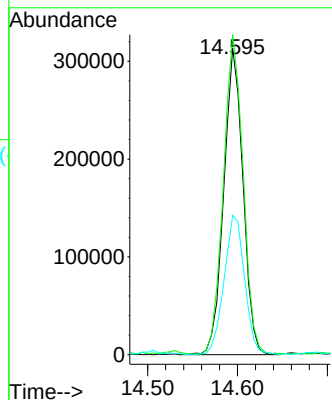
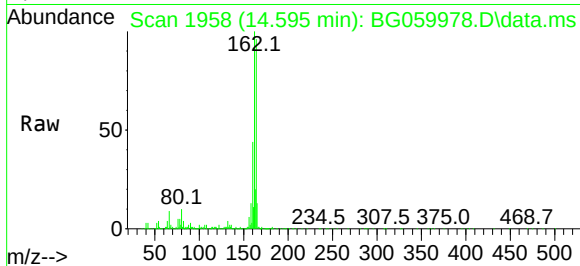




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1958
Delta R.T. -0.004 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

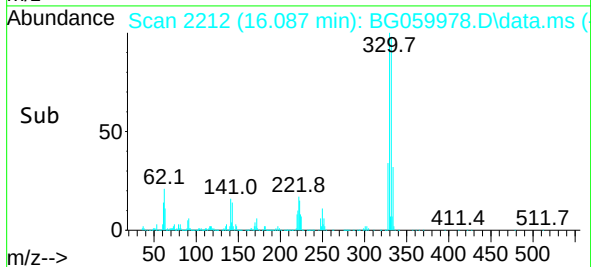
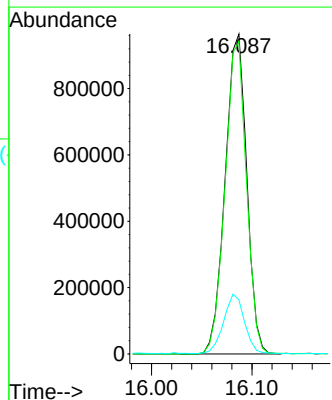
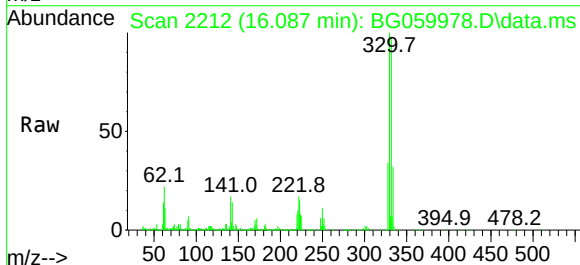
Instrument :
BNA_G
ClientSampleId :
MW04S

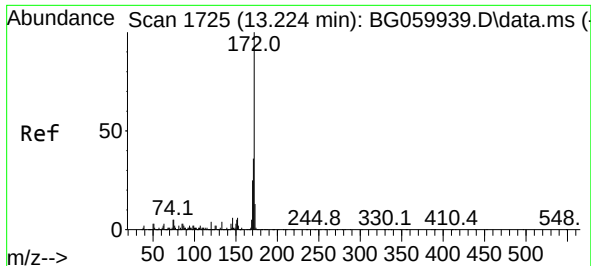
Tgt Ion:164 Resp: 465796
Ion Ratio Lower Upper
164 100
162 104.4 85.0 127.6
160 45.5 38.1 57.1



#42
2,4,6-Tribromophenol
Concen: 95.867 ng
RT: 16.087 min Scan# 2212
Delta R.T. 0.002 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

Tgt Ion:330 Resp: 1436718
Ion Ratio Lower Upper
330 100
332 96.7 76.5 114.7
141 18.2 15.0 22.6

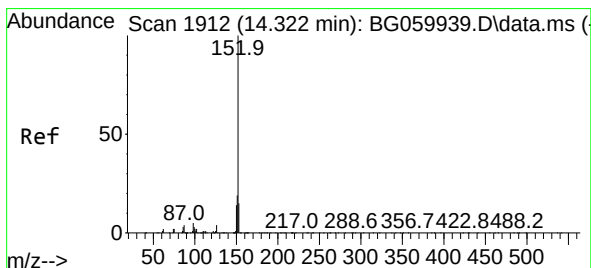
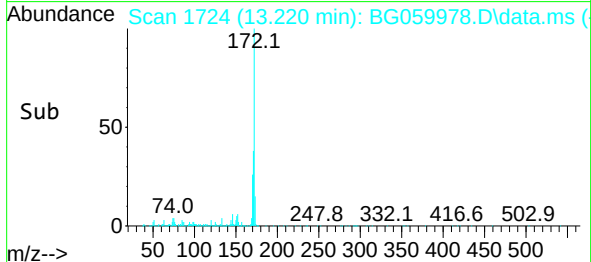
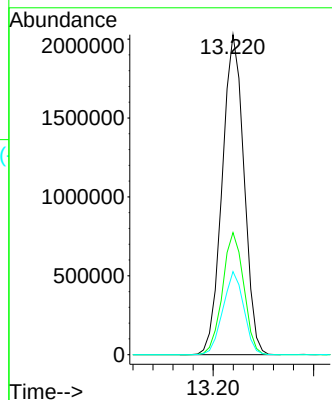
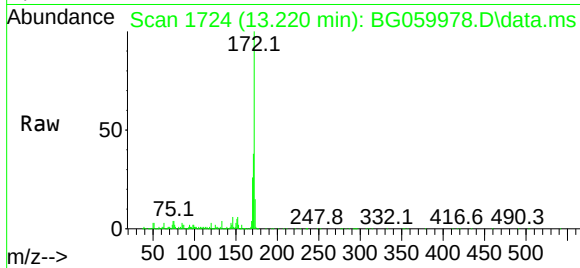




#45
2-Fluorobiphenyl
Concen: 71.446 ng
RT: 13.220 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

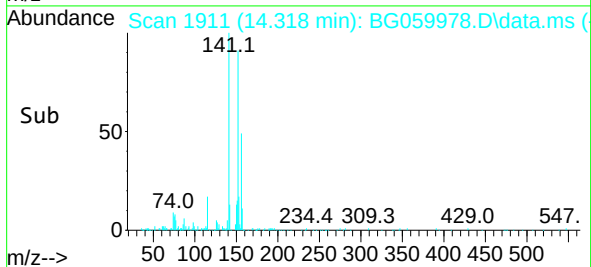
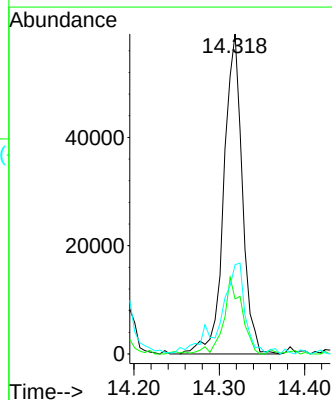
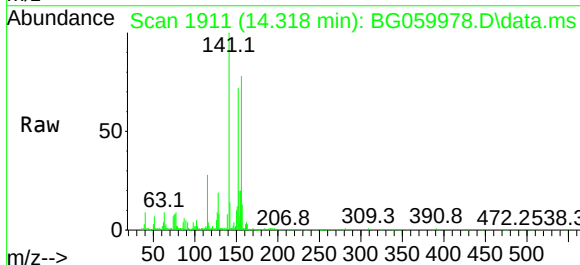
Instrument :
BNA_G
ClientSampleId :
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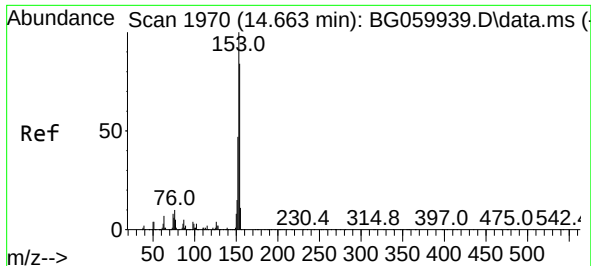
Tgt Ion:172 Resp: 3051205
Ion Ratio Lower Upper
172 100
171 38.1 28.6 43.0
170 25.9 19.8 29.8



#49
Acenaphthylene
Concen: 2.183 ng
RT: 14.318 min Scan# 1911
Delta R.T. -0.004 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

Tgt Ion:152 Resp: 88999
Ion Ratio Lower Upper
152 100
151 17.2 15.3 22.9
153 27.9 11.7 17.5#

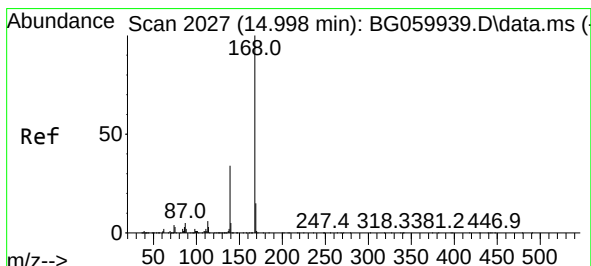
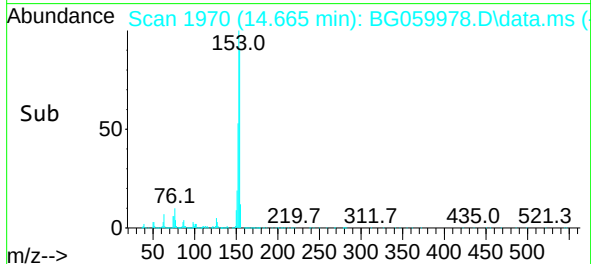
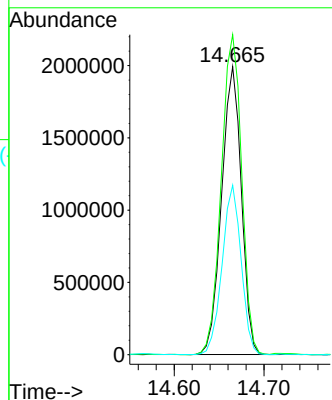
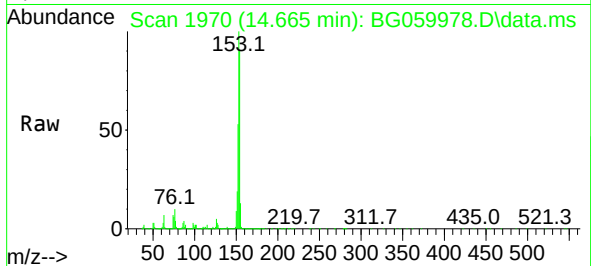




#52
Acenaphthene
Concen: 103.314 ng
RT: 14.665 min Scan# 1970
Delta R.T. 0.002 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

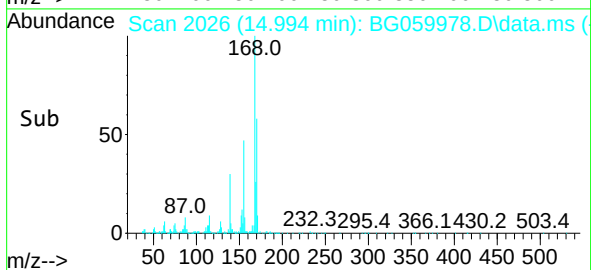
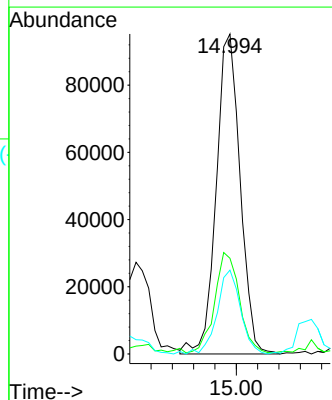
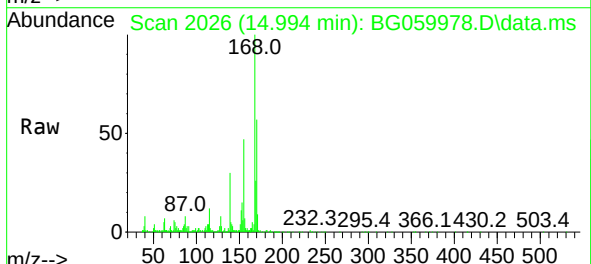
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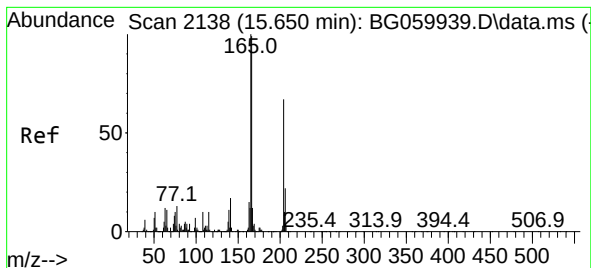
Tgt Ion:154 Resp: 3039455
Ion Ratio Lower Upper
154 100
153 111.1 95.8 143.6
152 58.8 45.0 67.4



#55
Dibenzofuran
Concen: 2.981 ng
RT: 14.994 min Scan# 2026
Delta R.T. -0.004 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

Tgt Ion:168 Resp: 147930
Ion Ratio Lower Upper
168 100
139 29.9 27.0 40.6
169 26.2 11.6 17.4#





#58

Fluorene

Concen: 22.454 ng

RT: 15.640 min Scan# 2138

Delta R.T. -0.010 min

Lab File: BG059978.D

Acq: 6 Dec 2023 20:41

Instrument :

BNA_G

ClientSampleId :

MW04S

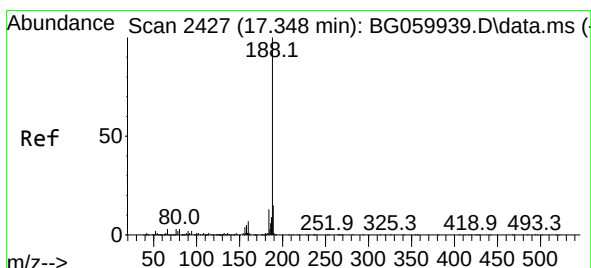
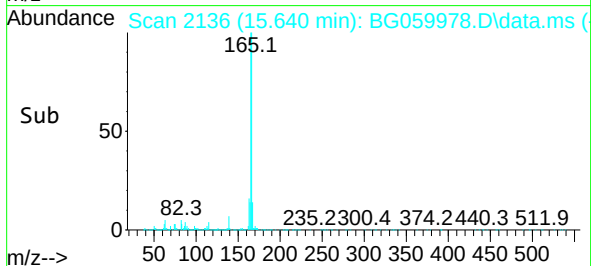
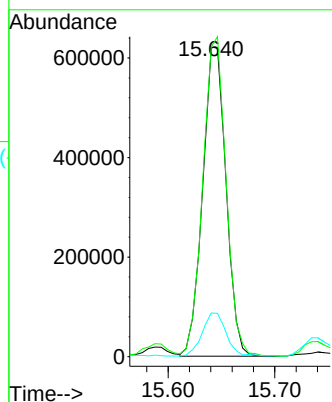
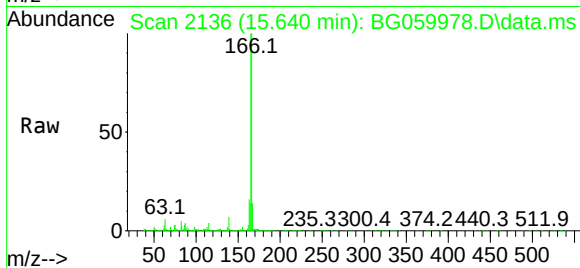
Tgt Ion:166 Resp: 948168

Ion Ratio Lower Upper

166 100

165 100.1 80.6 121.0

167 14.1 9.9 14.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.344 min Scan# 2426

Delta R.T. -0.004 min

Lab File: BG059978.D

Acq: 6 Dec 2023 20:41

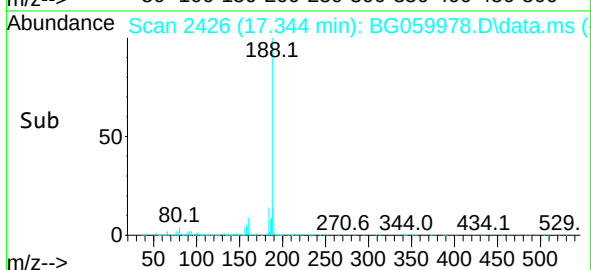
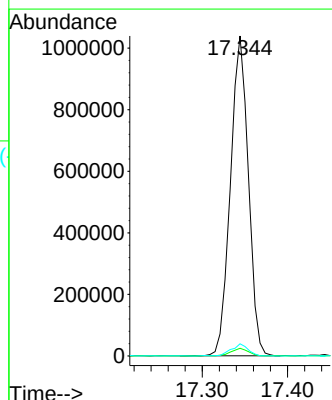
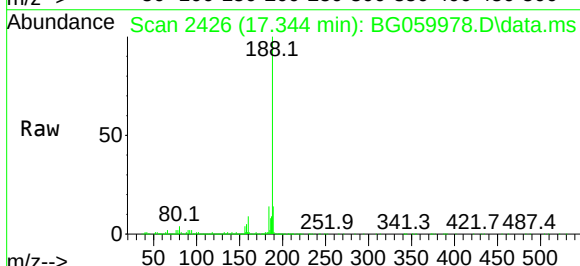
Tgt Ion:188 Resp: 1519705

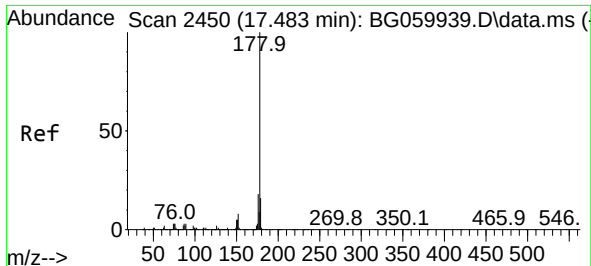
Ion Ratio Lower Upper

188 100

94 2.4 1.8 2.6

80 3.8 2.2 3.4#

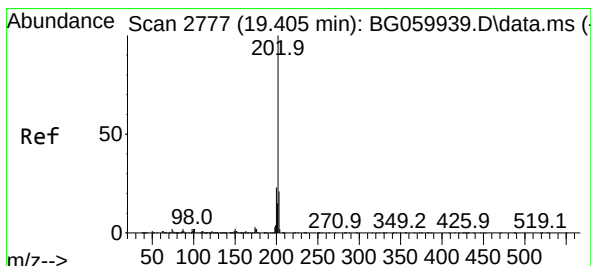
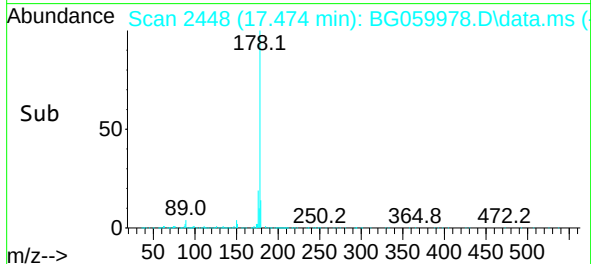
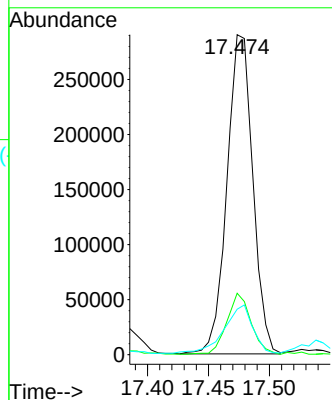
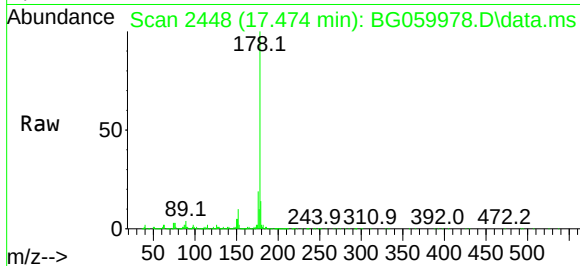




#72
Anthracene
Concen: 5.849 ng
RT: 17.474 min Scan# 2450
Delta R.T. -0.010 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

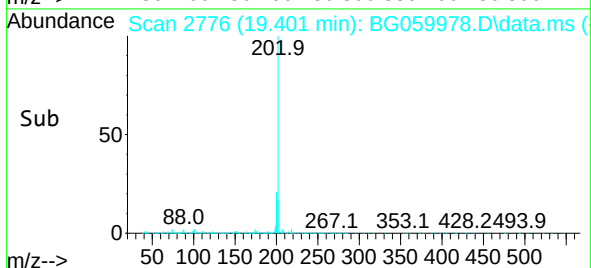
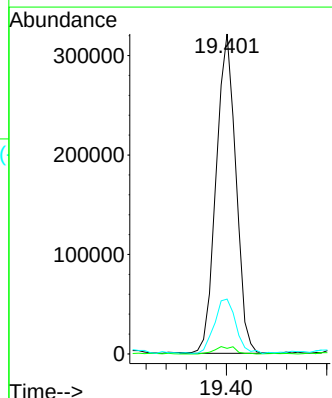
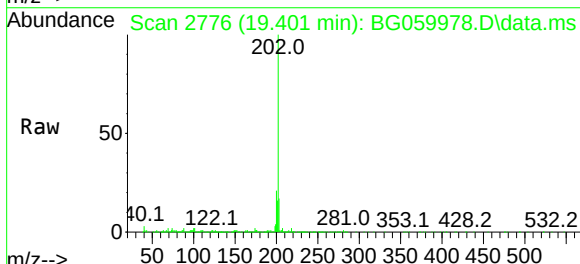
Instrument :
BNA_G
ClientSampleId :
MW04S

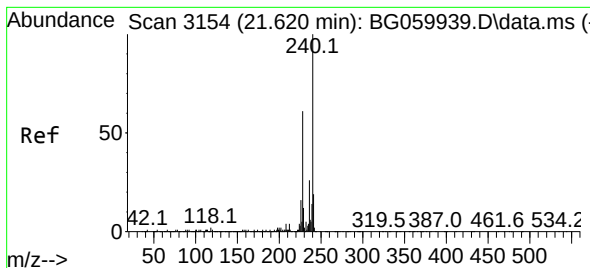
Tgt Ion:178 Resp: 429002
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 14.2 13.2 19.8



#75
Fluoranthene
Concen: 3.719 ng
RT: 19.401 min Scan# 2776
Delta R.T. -0.004 min
Lab File: BG059978.D
Acq: 6 Dec 2023 20:41

Tgt Ion:202 Resp: 438621
Ion Ratio Lower Upper
202 100
101 1.7 0.0 21.6
203 17.2 0.9 40.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.616 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG059978.D

Acq: 6 Dec 2023 20:41

Instrument :

BNA_G

ClientSampleId :

MW04S

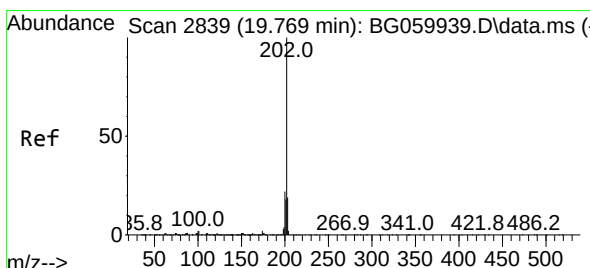
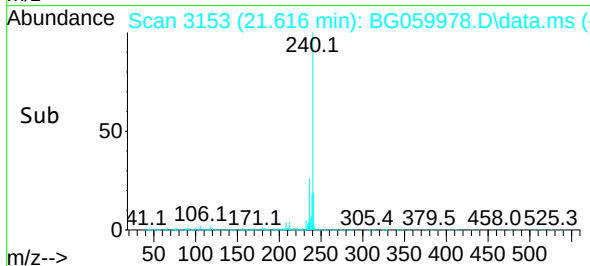
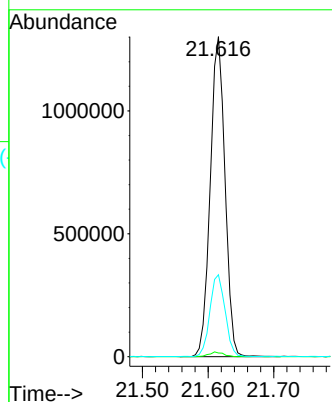
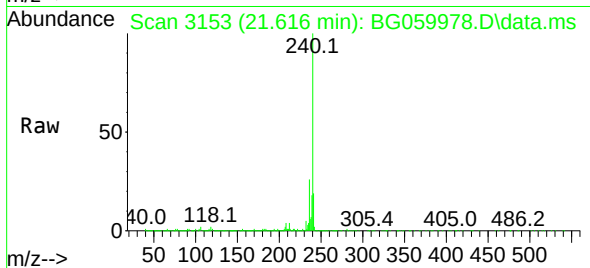
Tgt Ion:240 Resp: 2040158

Ion Ratio Lower Upper

240 100

120 1.2 1.0 1.4

236 25.6 20.8 31.2



#78

Pyrene

Concen: 5.231 ng

RT: 19.759 min Scan# 2837

Delta R.T. -0.010 min

Lab File: BG059978.D

Acq: 6 Dec 2023 20:41

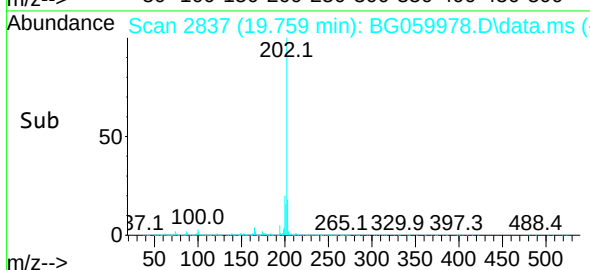
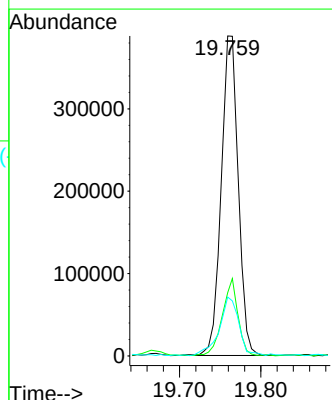
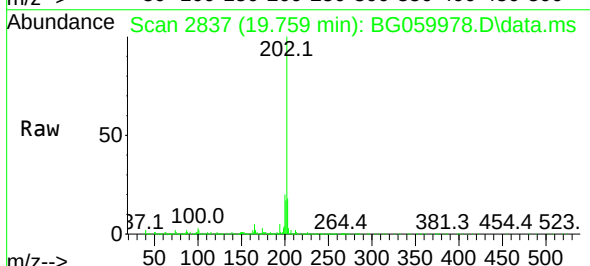
Tgt Ion:202 Resp: 567914

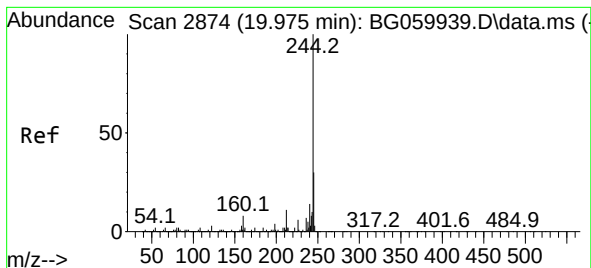
Ion Ratio Lower Upper

202 100

200 19.8 17.8 26.6

203 18.4 15.4 23.0





#79

Terphenyl-d14

Concen: 52.791 ng

RT: 19.971 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG059978.D

Acq: 6 Dec 2023 20:41

Instrument :

BNA_G

ClientSampleId :

MW04S

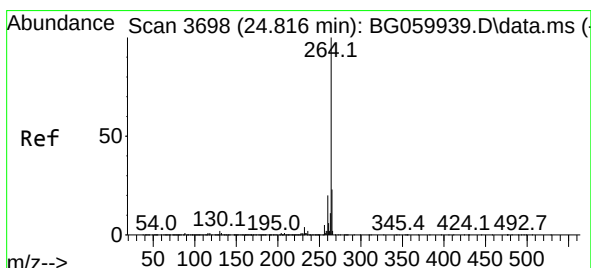
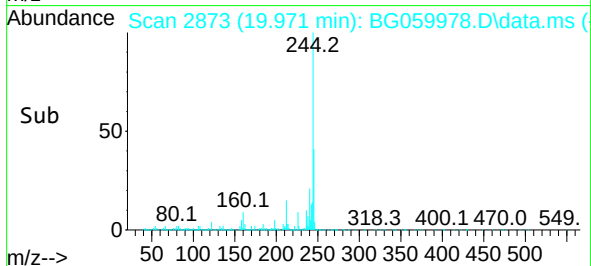
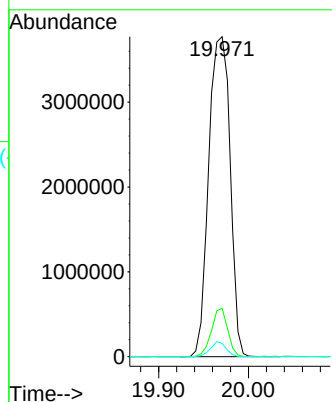
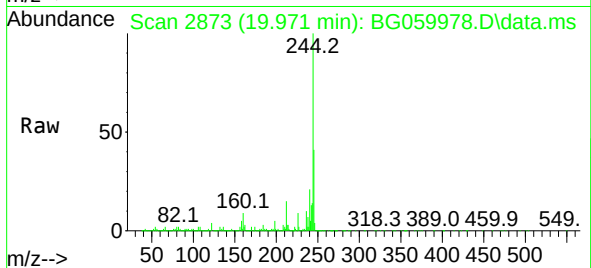
Tgt Ion:244 Resp: 6247596

Ion Ratio Lower Upper

244 100

212 15.1 8.6 13.0#

122 4.1 2.1 3.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.812 min Scan# 3697

Delta R.T. -0.004 min

Lab File: BG059978.D

Acq: 6 Dec 2023 20:41

Tgt Ion:264 Resp: 2416392

Ion Ratio Lower Upper

264 100

260 24.6 15.8 23.6#

265 19.5 18.1 27.1

