

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059788.D
 Acq On : 21 Nov 2023 12:08
 Operator : MA/JU
 Sample : 05448-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-111523

Quant Time: Nov 22 09:50:02 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)

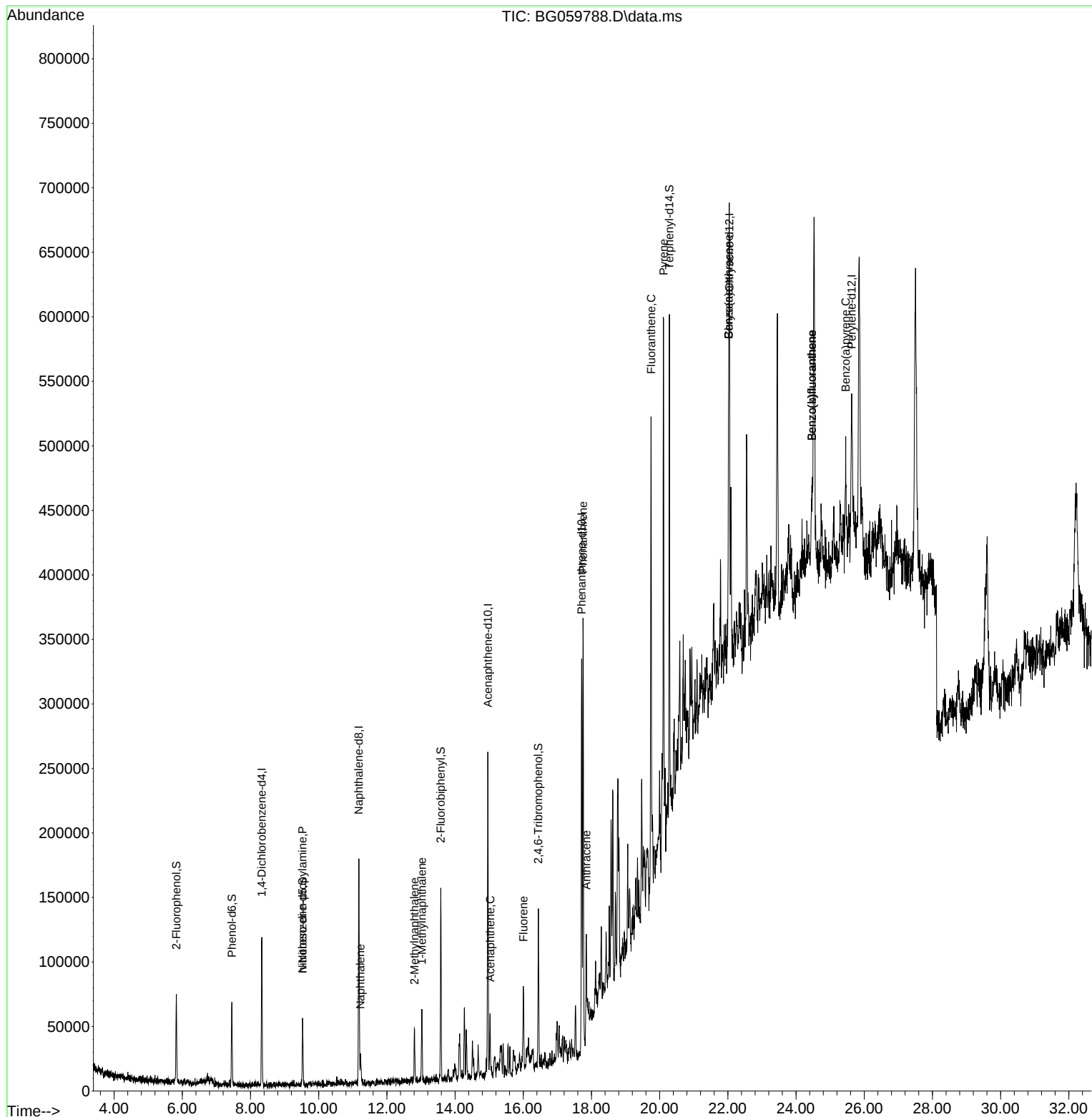
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	25146	20.000	ng	-0.01
21) Naphthalene-d8	11.178	136	120771	20.000	ng	#-0.01
39) Acenaphthene-d10	14.962	164	73183	20.000	ng	# 0.00
64) Phenanthrene-d10	17.712	188	173192	20.000	ng	# 0.00
76) Chrysene-d12	22.042	240	200845	20.000	ng	0.00
86) Perylene-d12	25.632	264	177889	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	23575	15.780	ng	0.00
7) Phenol-d6	7.453	99	28136	12.708	ng	0.00
23) Nitrobenzene-d5	9.527	82	26272	8.308	ng	-0.01
42) 2,4,6-Tribromophenol	16.443	330	15007	18.073	ng	-0.01
45) 2-Fluorobiphenyl	13.581	172	57501	10.576	ng	-0.01
79) Terphenyl-d14	20.285	244	148267	10.898	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.527	70	4625	2.653	ng	# 79
31) Naphthalene	11.225	128	13594	2.238	ng	# 85
37) 2-Methylnaphthalene	12.812	142	14387	2.813	ng	# 89
38) 1-Methylnaphthalene	13.029	142	20232	4.289	ng	89
52) Acenaphthene	15.032	154	15111	3.733	ng	# 57
58) Fluorene	16.002	166	24991	4.508	ng	97
71) Phenanthrene	17.753	178	181198	20.578	ng	# 94
72) Anthracene	17.847	178	53639	5.863	ng	# 90
75) Fluoranthene	19.750	202	221511	20.977	ng	99
78) Pyrene	20.115	202	250402	18.324	ng	96
81) Benzo(a)anthracene	22.024	228	104757	7.623	ng	# 91
83) Chrysene	22.024	228	104757	8.316	ng	91
88) Benzo(b)fluoranthene	24.463	252	41911	4.299	ng	# 88
89) Benzo(k)fluoranthene	24.463	252	41911	4.348	ng	# 86
90) Benzo(a)pyrene	25.456	252	70530	6.778	ng	# 93

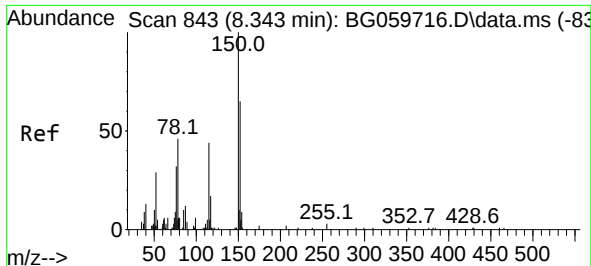
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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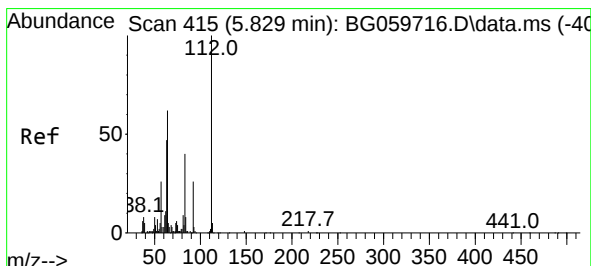
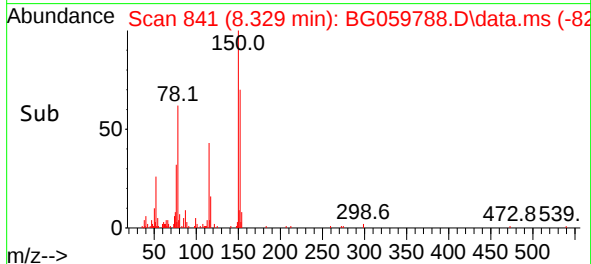
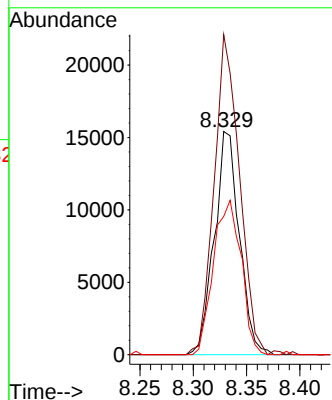
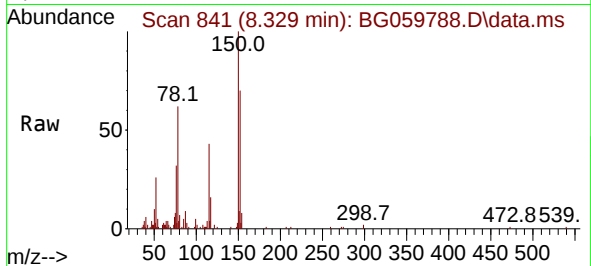




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.329 min Scan# 84
Delta R.T. -0.014 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

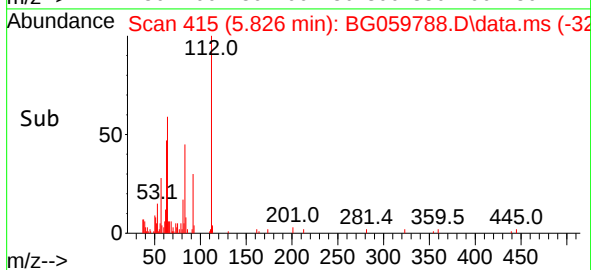
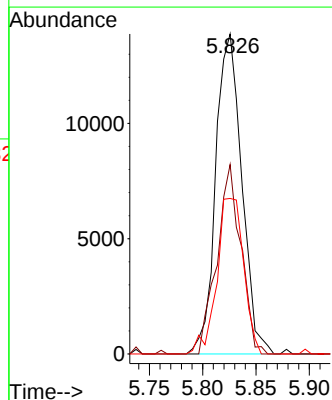
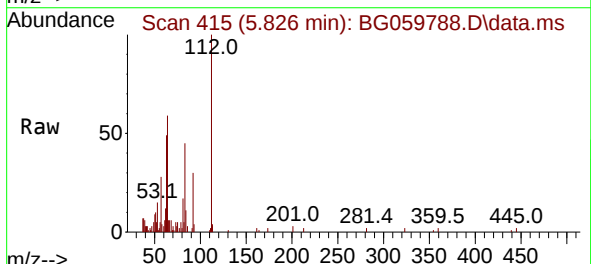
Instrument :
BNA_G
ClientSampleId :
OR-02-111523

Tgt Ion:152 Resp: 25146
Ion Ratio Lower Upper
152 100
150 143.3 122.2 183.4
115 61.9 54.2 81.4



#5
2-Fluorophenol
Concen: 15.780 ng
RT: 5.826 min Scan# 415
Delta R.T. -0.003 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

Tgt Ion:112 Resp: 23575
Ion Ratio Lower Upper
112 100
64 59.2 49.5 74.3
63 48.6 37.4 56.2

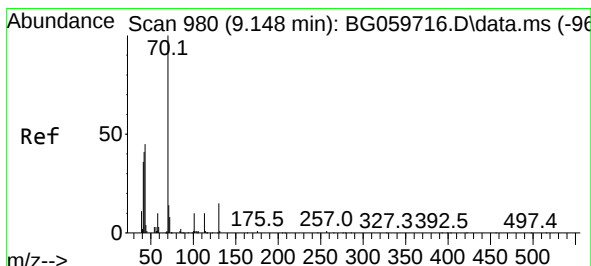
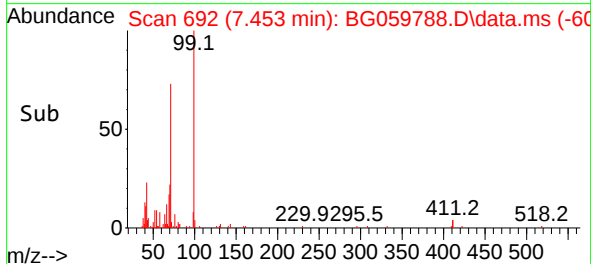
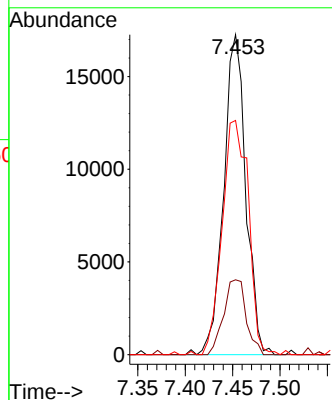
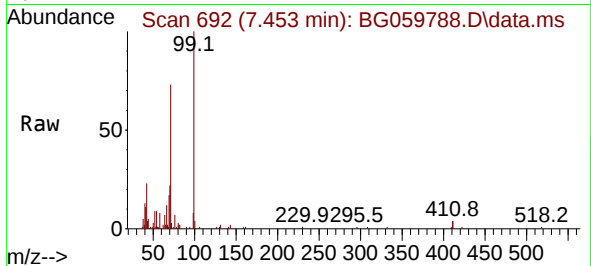




#7
Phenol-d6
Concen: 12.708 ng
RT: 7.453 min Scan# 692
Delta R.T. -0.003 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

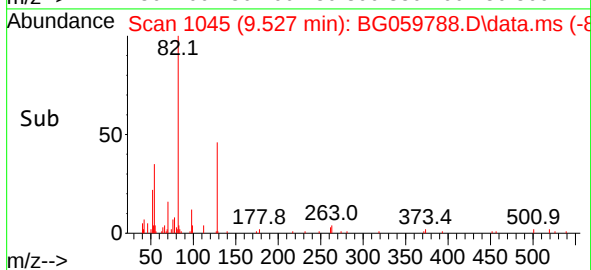
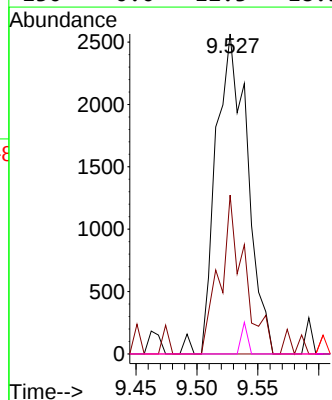
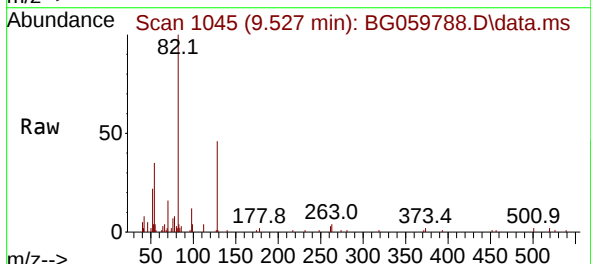
Instrument :
BNA_G
ClientSampleId :
OR-02-111523

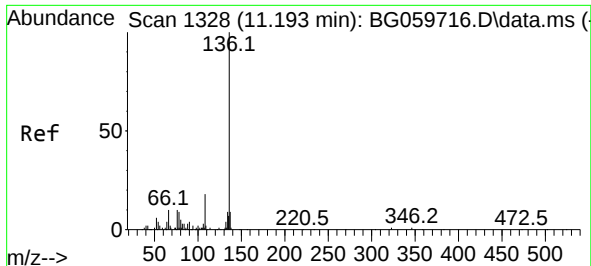
Tgt Ion: 99 Resp: 28136
Ion Ratio Lower Upper
99 100
42 23.4 14.3 21.5#
71 73.2 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.653 ng
RT: 9.527 min Scan# 1045
Delta R.T. 0.379 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

Tgt Ion: 70 Resp: 4625
Ion Ratio Lower Upper
70 100
42 49.6 32.8 49.2#
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

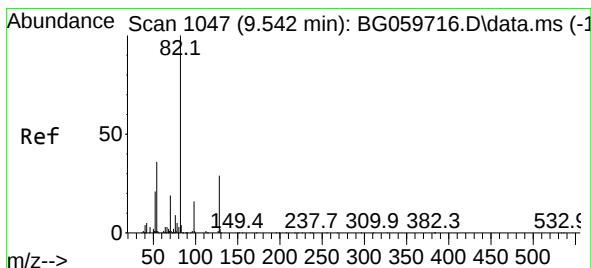
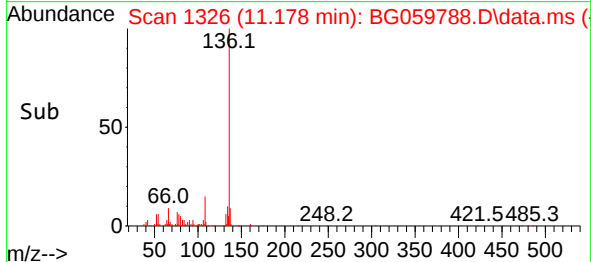
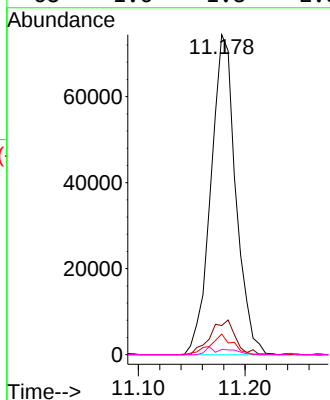
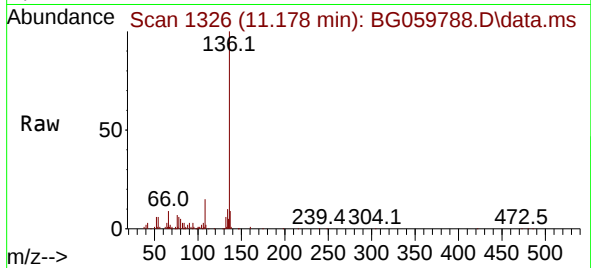




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.178 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

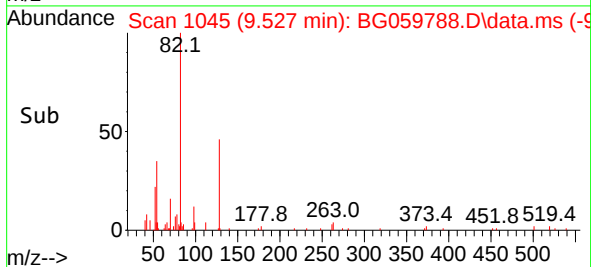
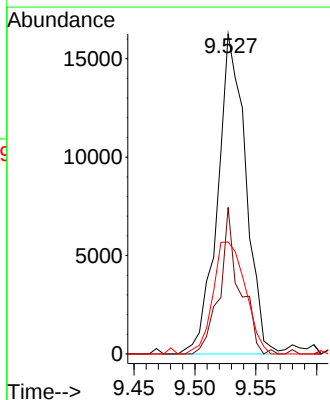
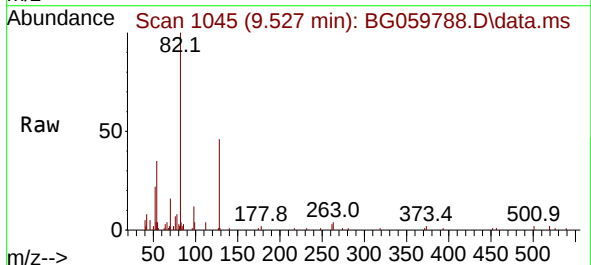
Instrument :
BNA_G
ClientSampleId :
OR-02-111523

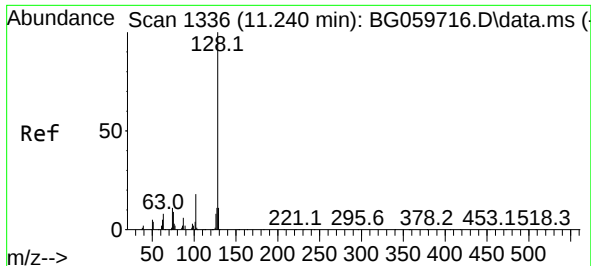
Tgt Ion:136 Resp: 120771
Ion Ratio Lower Upper
136 100
137 9.1 7.4 11.0
54 6.5 3.1 4.7#
68 1.6 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 8.308 ng
RT: 9.527 min Scan# 1045
Delta R.T. -0.015 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

Tgt Ion: 82 Resp: 26272
Ion Ratio Lower Upper
82 100
128 45.8 23.0 34.6#
54 35.0 28.7 43.1

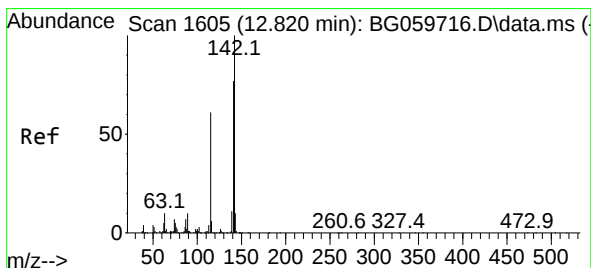
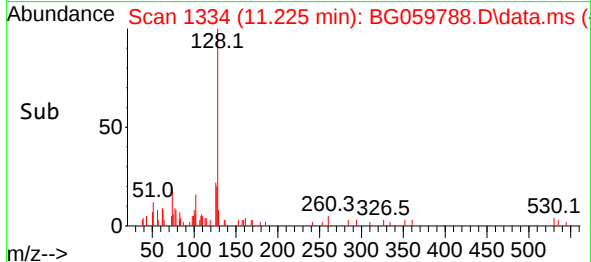
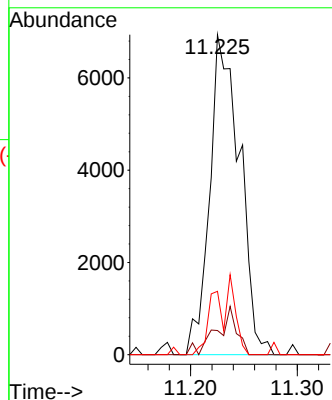
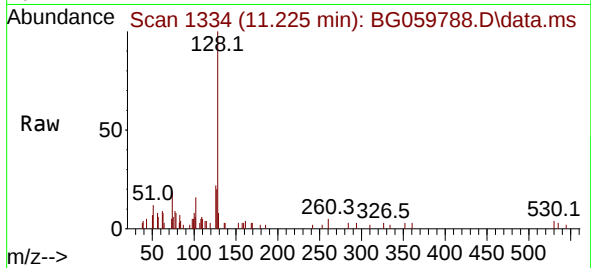




#31
Naphthalene
Concen: 2.238 ng
RT: 11.225 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

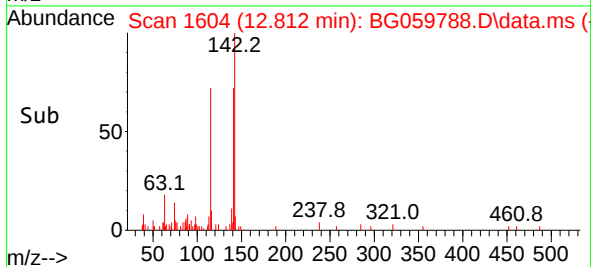
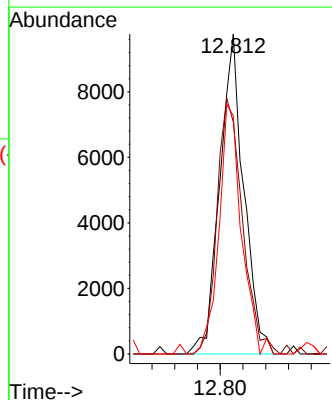
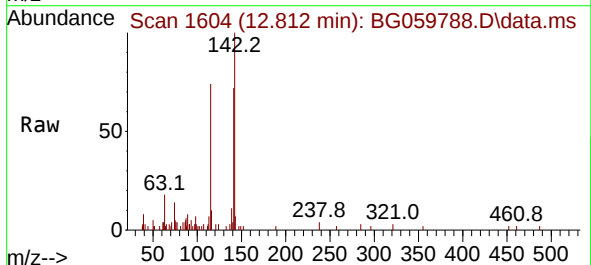
Instrument :
BNA_G
ClientSampleId :
OR-02-111523

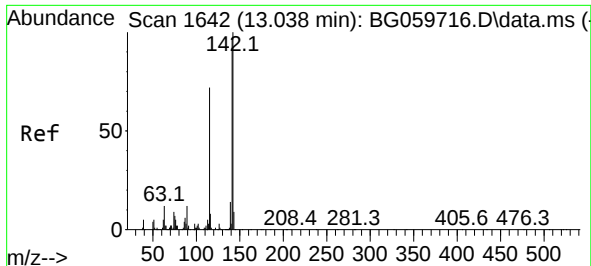
Tgt Ion:128 Resp: 13594
Ion Ratio Lower Upper
128 100
129 7.5 8.7 13.1#
127 19.8 9.2 13.8#



#37
2-Methylnaphthalene
Concen: 2.813 ng
RT: 12.812 min Scan# 1604
Delta R.T. -0.009 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

Tgt Ion:142 Resp: 14387
Ion Ratio Lower Upper
142 100
141 72.5 61.9 92.9
115 74.4 49.0 73.4#

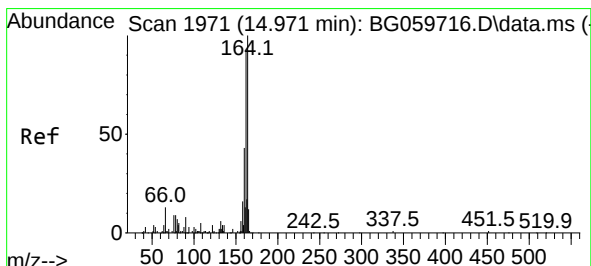
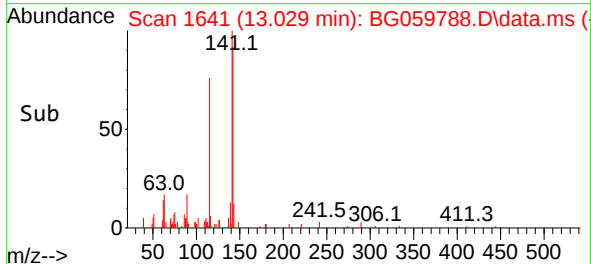
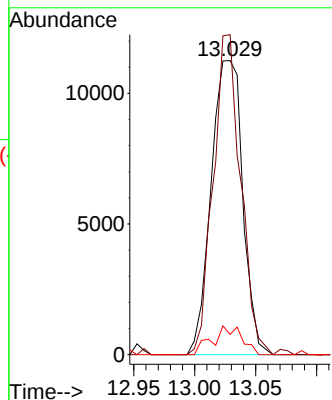
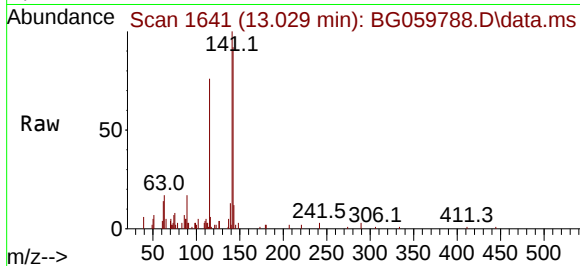




#38
1-Methylnaphthalene
Concen: 4.289 ng
RT: 13.029 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

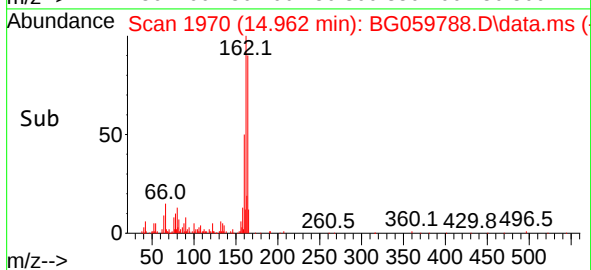
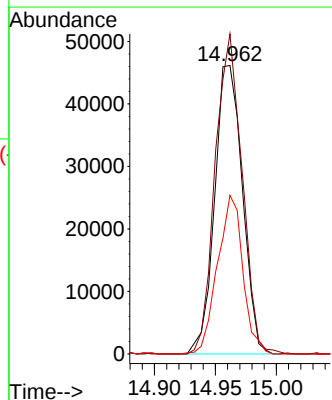
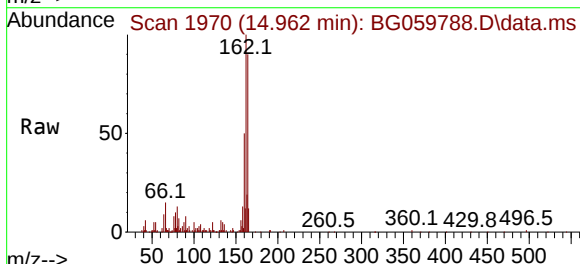
Instrument :
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ClientSampleId :
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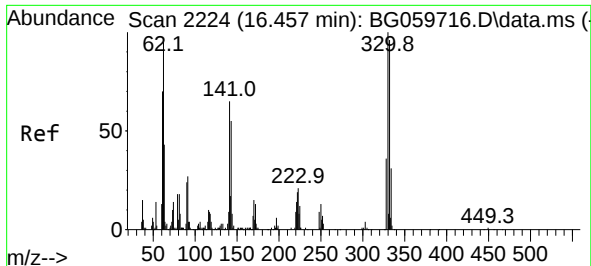
Tgt Ion:142 Resp: 20232
Ion Ratio Lower Upper
142 100
141 108.8 77.8 116.8
116 6.9 6.2 9.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

Tgt Ion:164 Resp: 73183
Ion Ratio Lower Upper
164 100
162 110.9 73.3 109.9#
160 55.0 34.1 51.1#

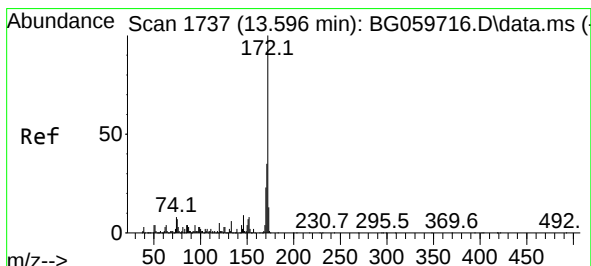
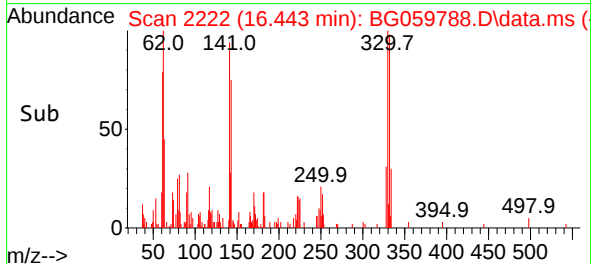
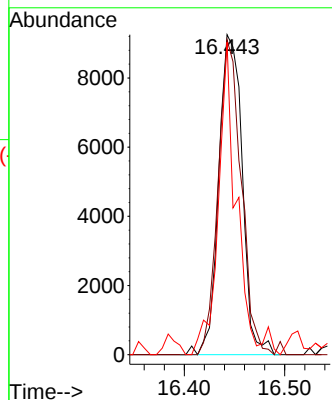
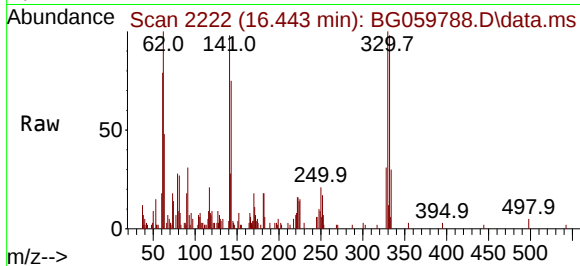




#42
2,4,6-Tribromophenol
Concen: 18.073 ng
RT: 16.443 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

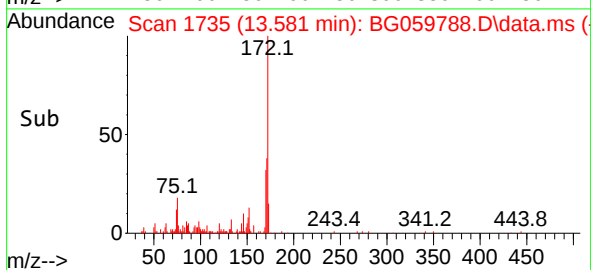
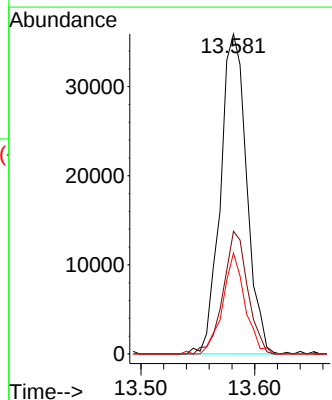
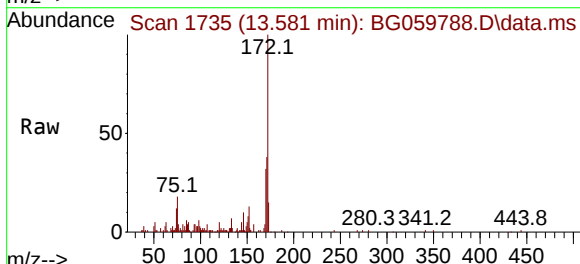
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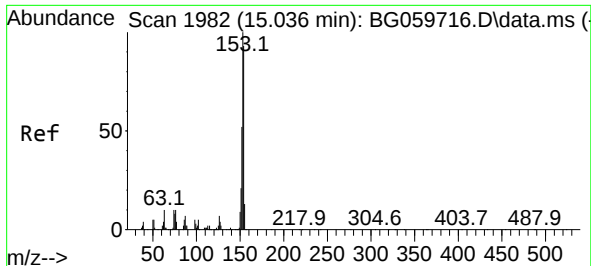
Tgt Ion:330 Resp: 15007
Ion Ratio Lower Upper
330 100
332 97.0 73.3 109.9
141 74.5 52.1 78.1



#45
2-Fluorobiphenyl
Concen: 10.576 ng
RT: 13.581 min Scan# 1735
Delta R.T. -0.015 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

Tgt Ion:172 Resp: 57501
Ion Ratio Lower Upper
172 100
171 38.3 27.7 41.5
170 31.5 18.4 27.6#

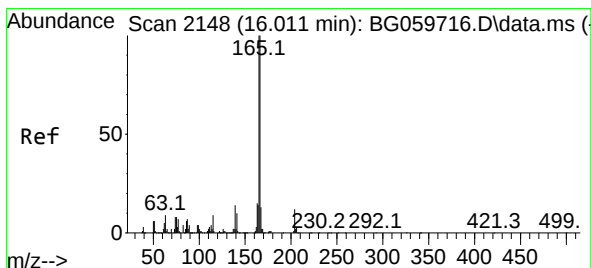
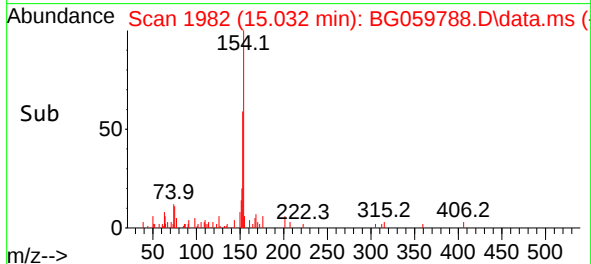
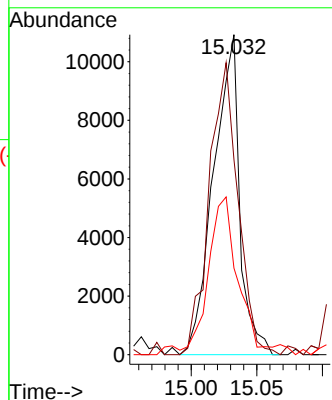
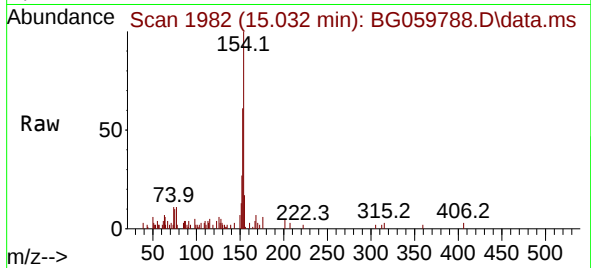




#52
Acenaphthene
Concen: 3.733 ng
RT: 15.032 min Scan# 1982
Delta R.T. -0.003 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

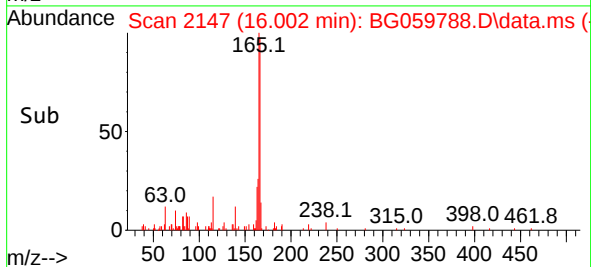
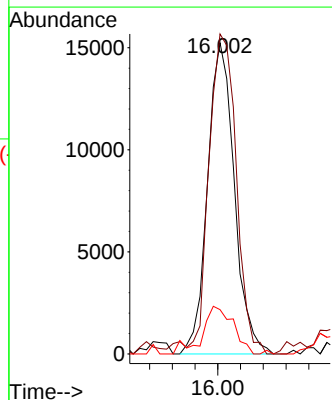
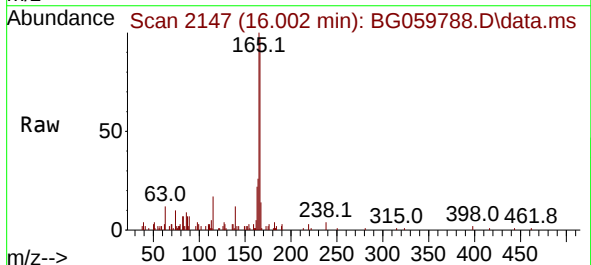
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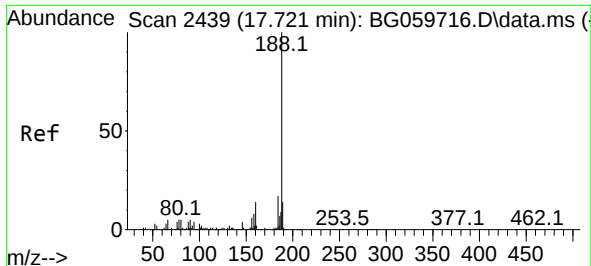
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Ion Ratio Lower Upper
154 100
153 61.0 85.8 128.8#
152 27.0 44.4 66.6#



#58
Fluorene
Concen: 4.508 ng
RT: 16.002 min Scan# 2147
Delta R.T. -0.009 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

Tgt Ion:166 Resp: 24991
Ion Ratio Lower Upper
166 100
165 102.8 79.9 119.9
167 14.2 10.1 15.1

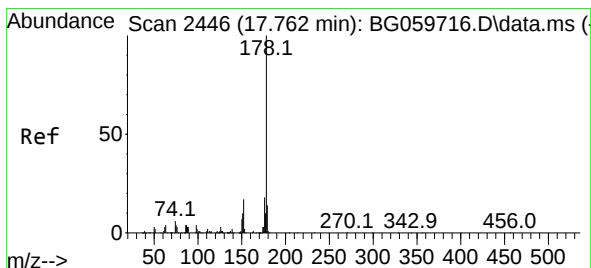
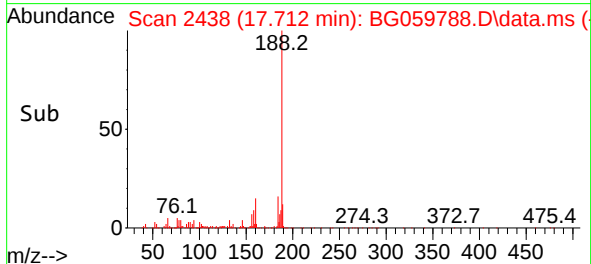
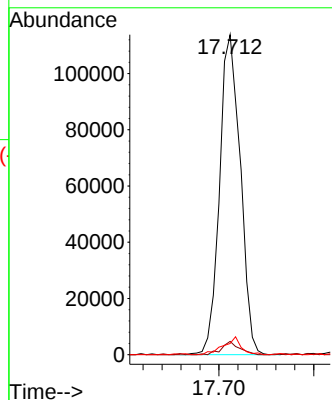
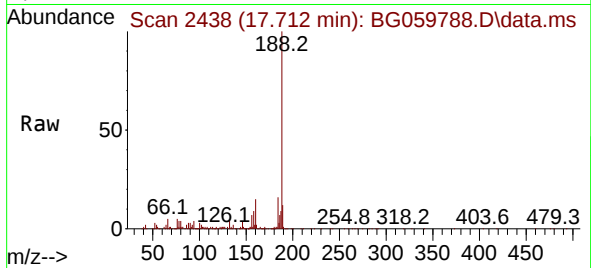




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.712 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

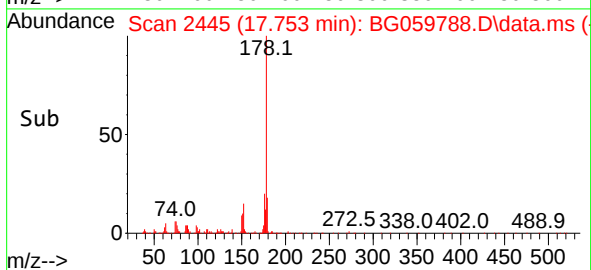
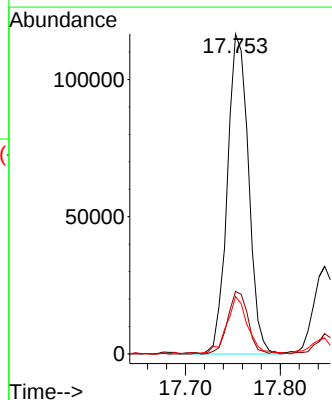
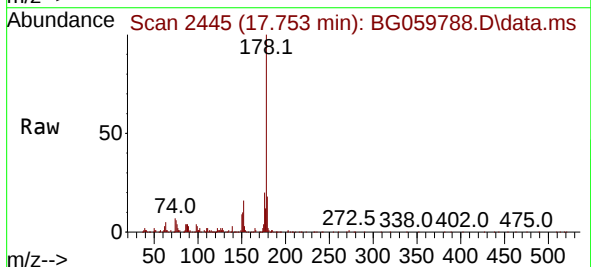
Instrument :
BNA_G
ClientSampleId :
OR-02-111523

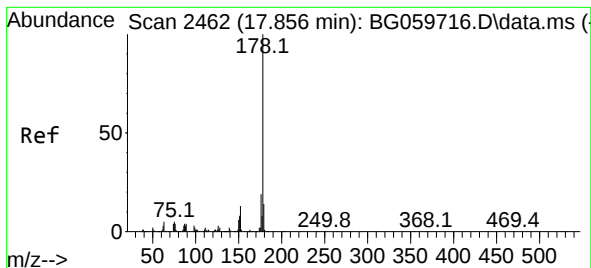
Tgt Ion:188 Resp: 173192
Ion Ratio Lower Upper
188 100
94 4.1 3.0 4.4
80 3.5 4.2 6.4#



#71
Phenanthrene
Concen: 20.578 ng
RT: 17.753 min Scan# 2445
Delta R.T. -0.009 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

Tgt Ion:178 Resp: 181198
Ion Ratio Lower Upper
178 100
176 19.5 14.5 21.7
179 17.9 11.2 16.8#





#72

Anthracene

Concen: 5.863 ng

RT: 17.847 min Scan# 24

Delta R.T. -0.009 min

Lab File: BG059788.D

Acq: 21 Nov 2023 12:08

Instrument :

BNA_G

ClientSampleId :

OR-02-111523

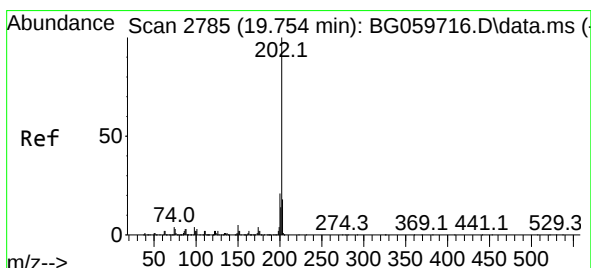
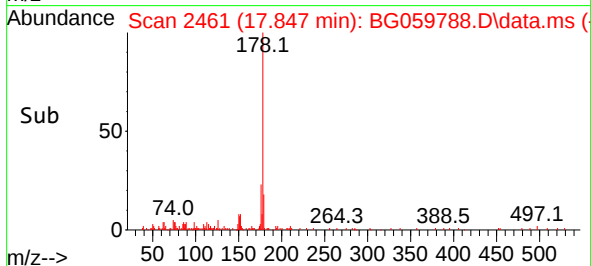
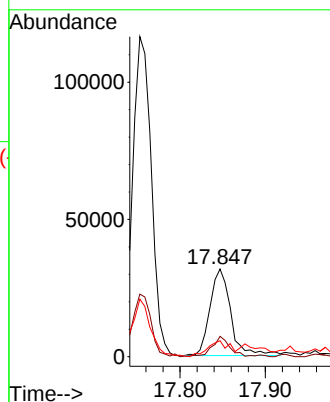
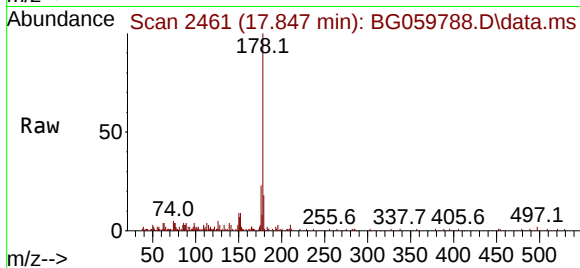
Tgt Ion:178 Resp: 53639

Ion Ratio Lower Upper

178 100

176 23.3 15.0 22.4#

179 18.3 11.5 17.3#



#75

Fluoranthene

Concen: 20.977 ng

RT: 19.750 min Scan# 2785

Delta R.T. -0.003 min

Lab File: BG059788.D

Acq: 21 Nov 2023 12:08

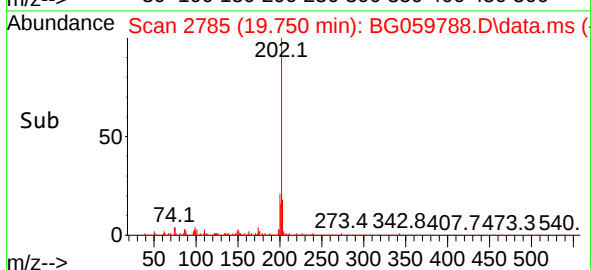
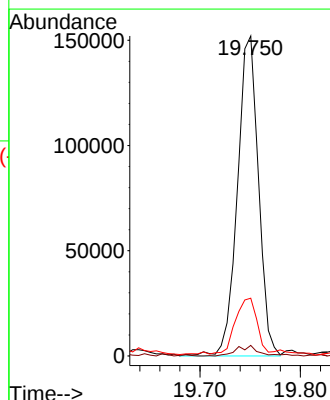
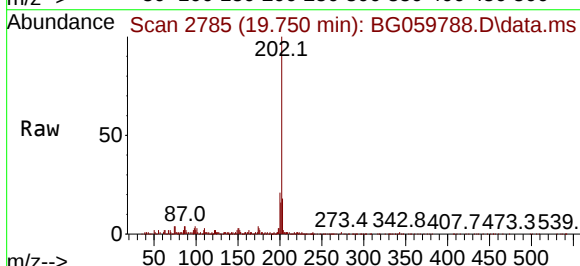
Tgt Ion:202 Resp: 221511

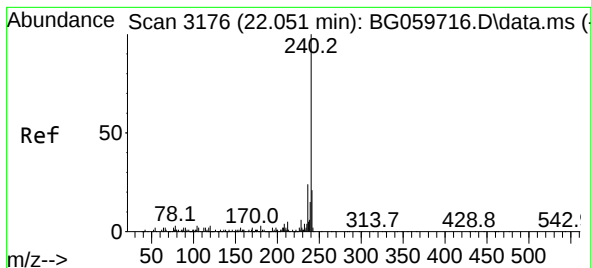
Ion Ratio Lower Upper

202 100

101 3.3 0.0 22.7

203 18.0 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.042 min Scan# 3176

Delta R.T. -0.009 min

Lab File: BG059788.D

Acq: 21 Nov 2023 12:08

Instrument :

BNA_G

ClientSampleId :

OR-02-111523

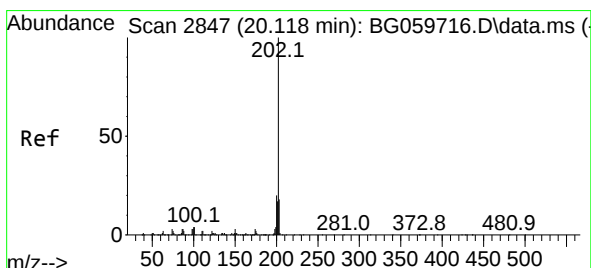
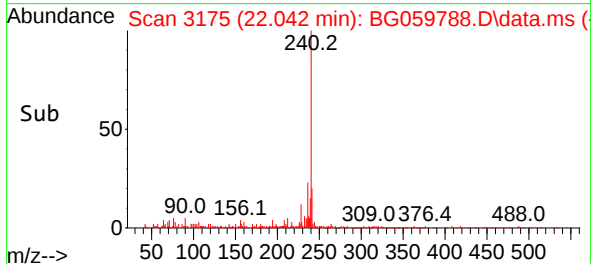
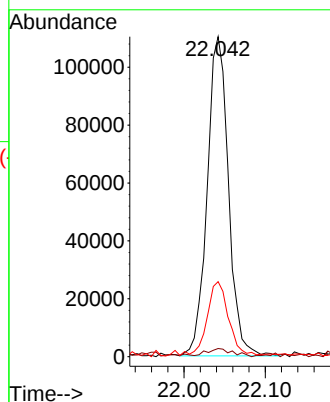
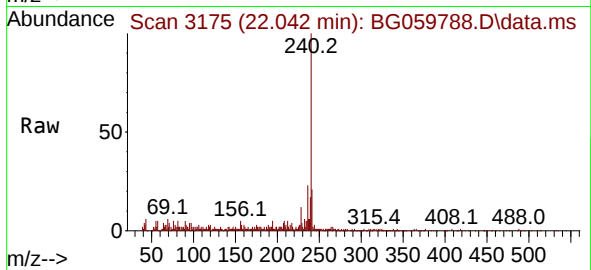
Tgt Ion:240 Resp: 200845

Ion Ratio Lower Upper

240 100

120 2.6 2.2 3.2

236 23.5 19.4 29.2



#78

Pyrene

Concen: 18.324 ng

RT: 20.115 min Scan# 2847

Delta R.T. -0.003 min

Lab File: BG059788.D

Acq: 21 Nov 2023 12:08

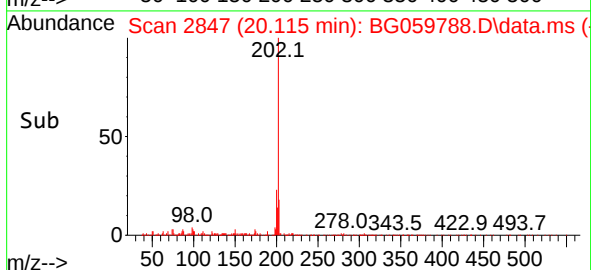
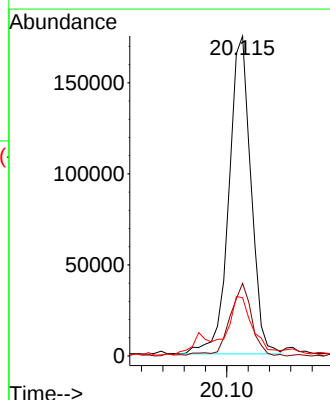
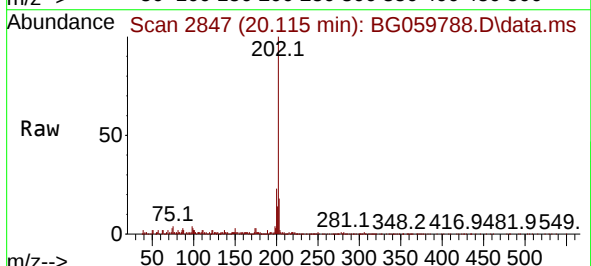
Tgt Ion:202 Resp: 250402

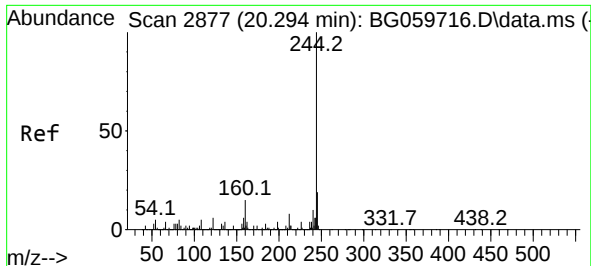
Ion Ratio Lower Upper

202 100

200 22.7 16.2 24.4

203 18.2 14.0 21.0

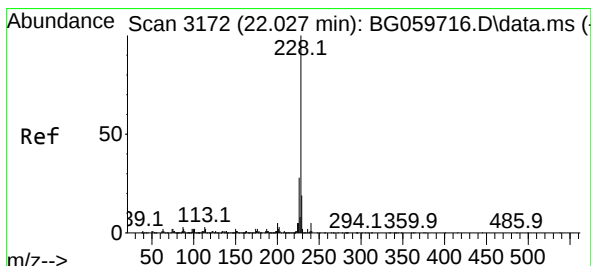
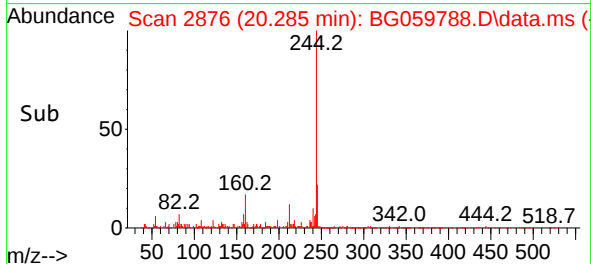
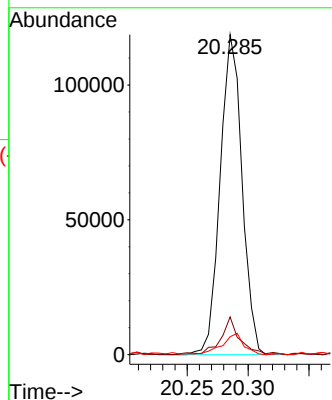
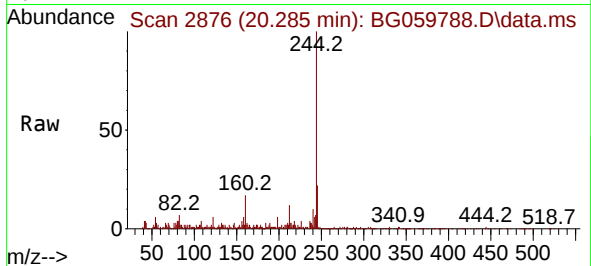




#79
 Terphenyl-d14
 Concen: 10.898 ng
 RT: 20.285 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG059788.D
 Acq: 21 Nov 2023 12:08

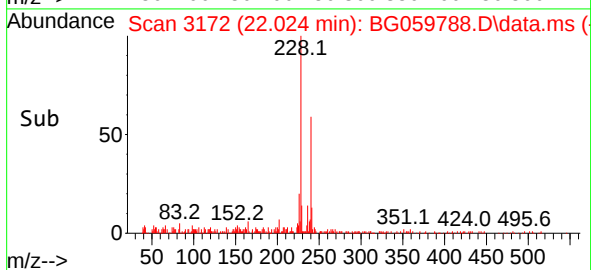
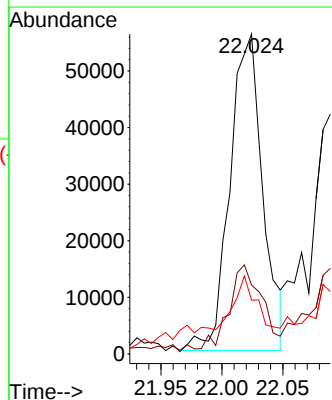
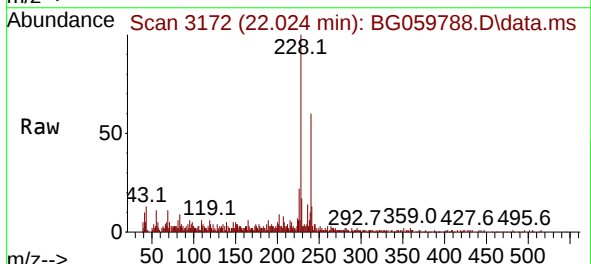
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-111523

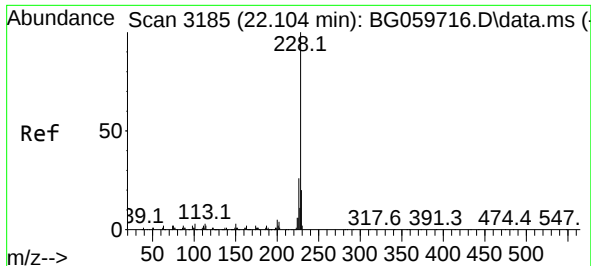
Tgt Ion:244 Resp: 148267
 Ion Ratio Lower Upper
 244 100
 212 11.8 6.6 10.0#
 122 5.6 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 7.623 ng
 RT: 22.024 min Scan# 3172
 Delta R.T. -0.003 min
 Lab File: BG059788.D
 Acq: 21 Nov 2023 12:08

Tgt Ion:228 Resp: 104757
 Ion Ratio Lower Upper
 228 100
 226 21.5 22.1 33.1#
 229 16.8 14.9 22.3

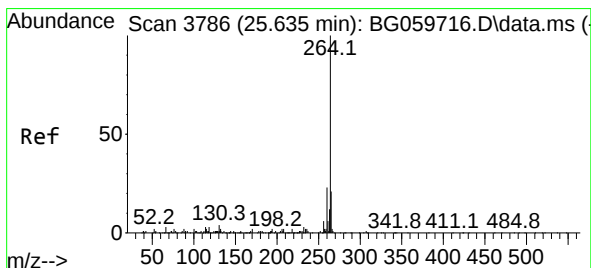
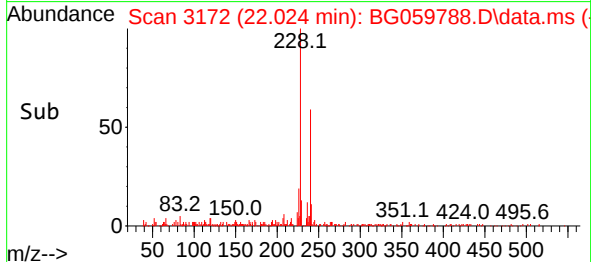
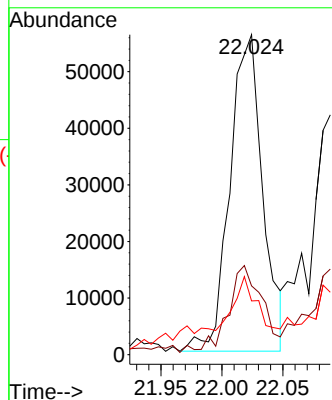
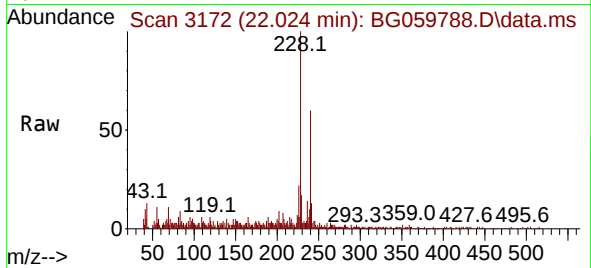




#83
Chrysene
Concen: 8.316 ng
RT: 22.024 min Scan# 3185
Delta R.T. -0.079 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

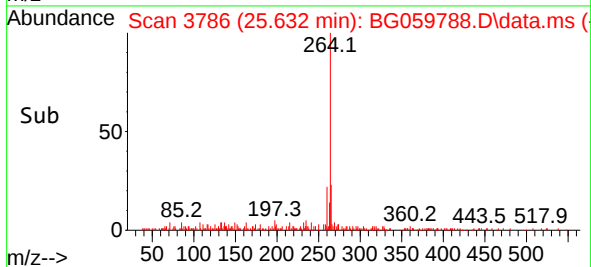
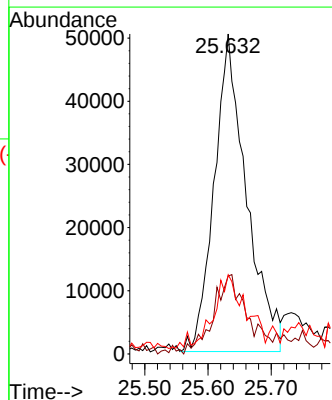
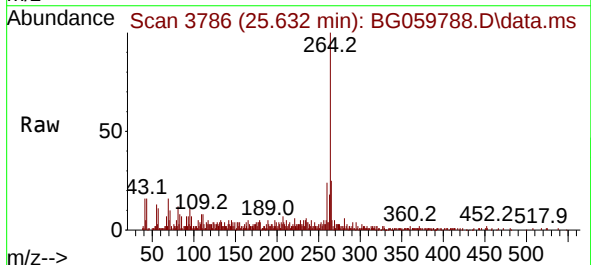
Instrument :
BNA_G
ClientSampleId :
OR-02-111523

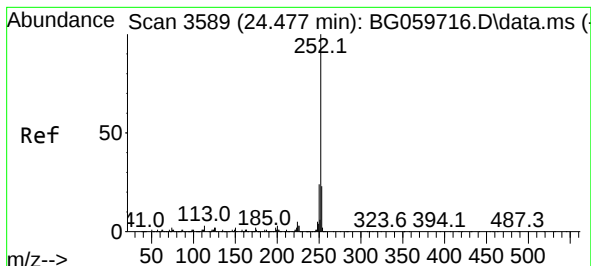
Tgt Ion:228 Resp: 104757
Ion Ratio Lower Upper
228 100
226 21.5 21.1 31.7
229 16.8 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.632 min Scan# 3786
Delta R.T. -0.003 min
Lab File: BG059788.D
Acq: 21 Nov 2023 12:08

Tgt Ion:264 Resp: 177889
Ion Ratio Lower Upper
264 100
260 24.4 18.5 27.7
265 24.8 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 4.299 ng

RT: 24.463 min Scan# 3587

Delta R.T. -0.015 min

Lab File: BG059788.D

Acq: 21 Nov 2023 12:08

Instrument :

BNA_G

ClientSampleId :

OR-02-111523

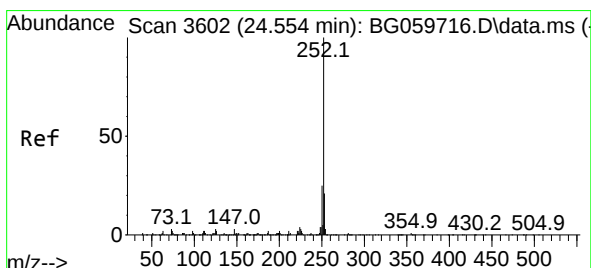
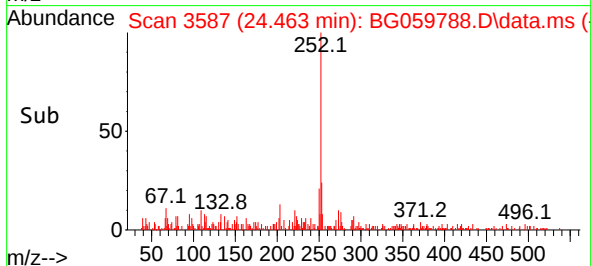
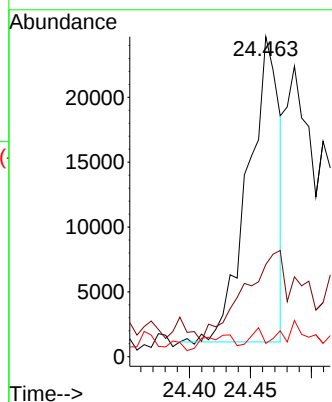
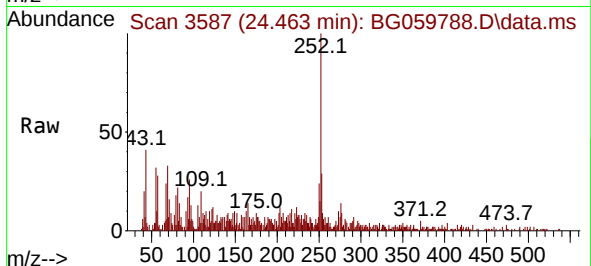
Tgt Ion:252 Resp: 41911

Ion Ratio Lower Upper

252 100

253 28.8 18.3 27.5#

125 4.2 1.4 2.0#



#89

Benzo(k)fluoranthene

Concen: 4.348 ng

RT: 24.463 min Scan# 3587

Delta R.T. -0.091 min

Lab File: BG059788.D

Acq: 21 Nov 2023 12:08

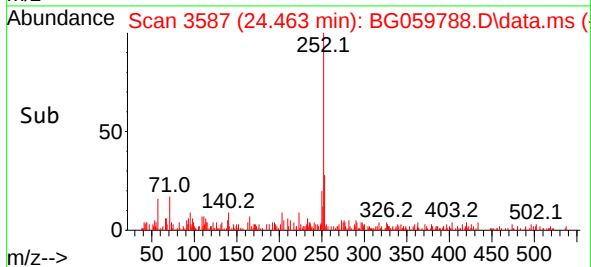
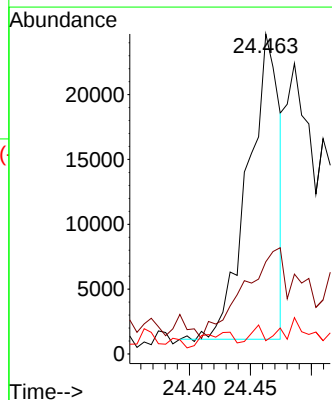
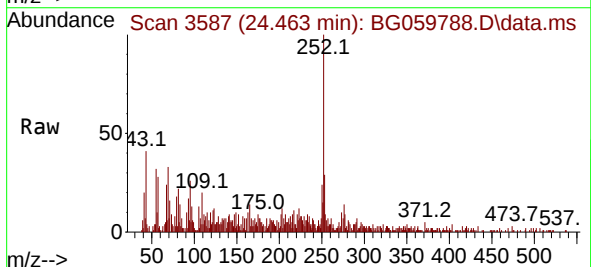
Tgt Ion:252 Resp: 41911

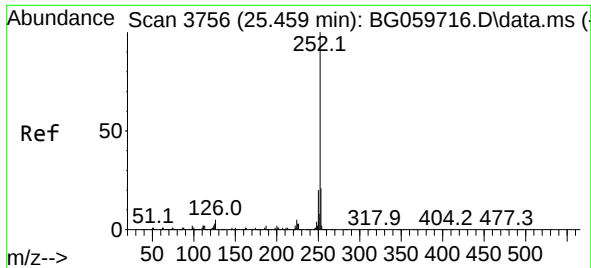
Ion Ratio Lower Upper

252 100

253 28.8 17.1 25.7#

125 4.2 2.2 3.2#





#90
 Benzo(a)pyrene
 Concen: 6.778 ng
 RT: 25.456 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BG059788.D
 Acq: 21 Nov 2023 12:08

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-111523

Tgt Ion:252 Resp: 70530
 Ion Ratio Lower Upper
 252 100
 253 23.7 16.8 25.2
 125 6.9 2.0 3.0#

