

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
 Data File : BG059908.D
 Acq On : 27 Nov 2023 19:52
 Operator : MA/JU
 Sample : 05466-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB21144

Quant Time: Nov 27 23:14:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 13:17:45 2023
 Response via : Initial Calibration

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

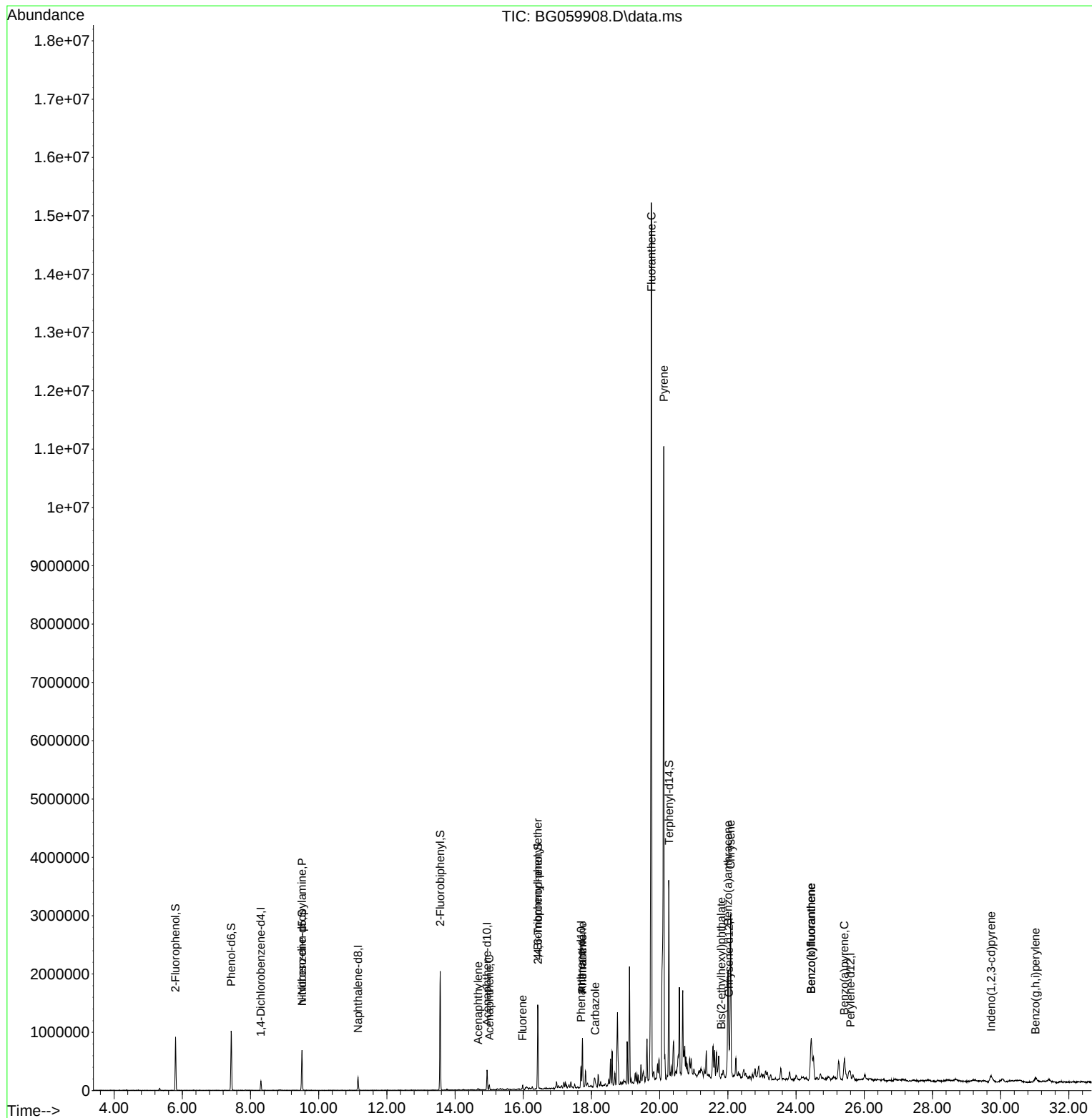
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.306	152	35472	20.000	ng	0.00
21) Naphthalene-d8	11.155	136	160457	20.000	ng	# 0.00
39) Acenaphthene-d10	14.939	164	105825	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	201218	20.000	ng	# 0.00
76) Chrysene-d12	22.031	240	158503	20.000	ng	# 0.01
86) Perylene-d12	25.597	264	181476	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.803	112	317670	150.734	ng	0.00
7) Phenol-d6	7.436	99	468666	150.064	ng	0.00
23) Nitrobenzene-d5	9.510	82	423444	100.788	ng	0.00
42) 2,4,6-Tribromophenol	16.431	330	196487	163.642	ng	0.00
45) 2-Fluorobiphenyl	13.564	172	867523	110.345	ng	0.00
79) Terphenyl-d14	20.274	244	1149443	107.056	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.510	70	67820	27.576	ng	# 79
49) Acenaphthylene	14.675	152	20116	2.067	ng	# 95
52) Acenaphthene	15.004	154	31464	5.376	ng	# 87
58) Fluorene	15.979	166	26385	3.291	ng	# 91
67) 4-Bromophenyl-phenylether	16.426	248	13339	6.171	ng	# 1
71) Phenanthrene	17.736	178	458831	44.850	ng	94
72) Anthracene	17.736	178	458831	43.166	ng	96
73) Carbazole	18.106	167	40098	4.318	ng	# 90
75) Fluoranthene	19.763	202	8220994	670.082	ng	65
78) Pyrene	20.121	202	6699956	621.261	ng	# 73
81) Benzo(a)anthracene	22.007	228	1252052	115.448	ng	96
83) Chrysene	22.084	228	1847335	185.816	ng	94
84) Bis(2-ethylhexyl)phtha...	21.813	149	25813	4.176	ng	# 94
87) Indeno(1,2,3-cd)pyrene	29.722	276	194883	14.192	ng	# 73
88) Benzo(b)fluoranthene	24.446	252	1009290	101.471	ng	95
89) Benzo(k)fluoranthene	24.446	252	1009290	102.638	ng	# 98
90) Benzo(a)pyrene	25.415	252	428557	40.371	ng	99
92) Benzo(g,h,i)perylene	31.020	276	68067	6.175	ng	# 96

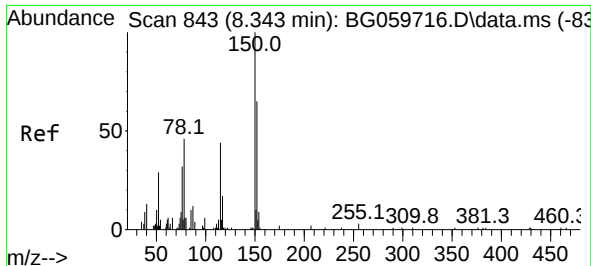
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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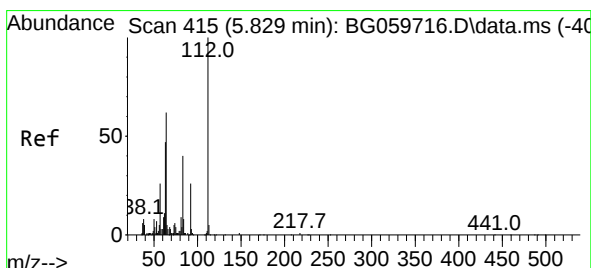
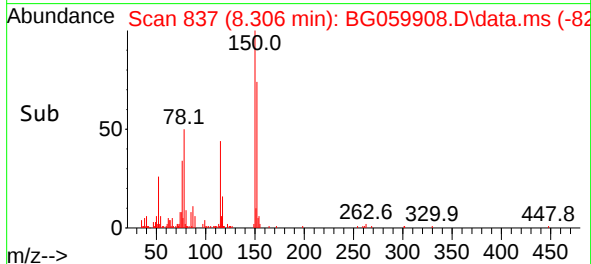
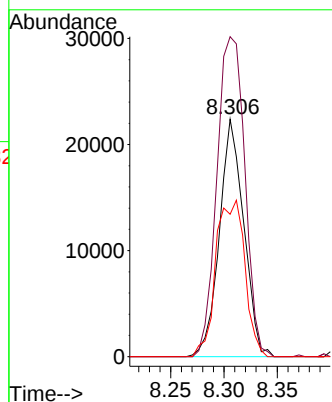
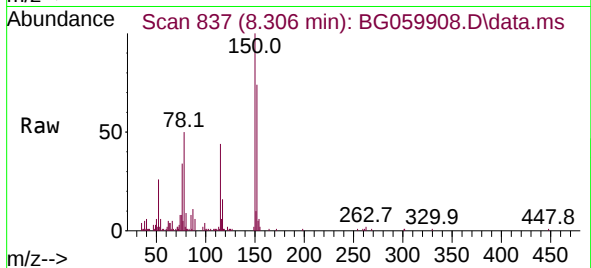




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.306 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

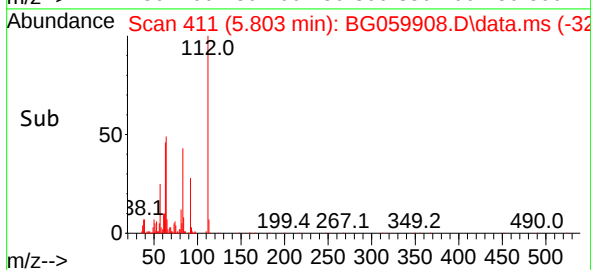
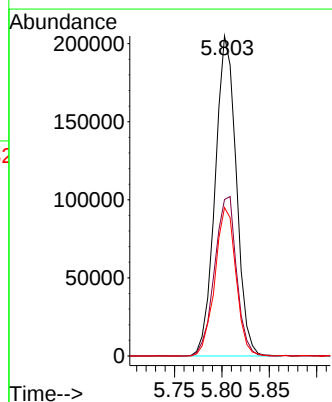
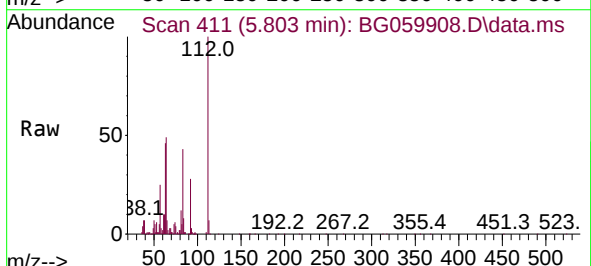
Instrument :
BNA_G
ClientSampleId :
RB21144

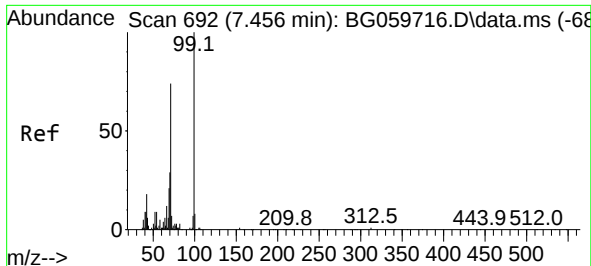
Tgt Ion:152 Resp: 35472
Ion Ratio Lower Upper
152 100
150 134.7 122.2 183.4
115 59.9 54.2 81.4



#5
2-Fluorophenol
Concen: 150.734 ng
RT: 5.803 min Scan# 411
Delta R.T. 0.006 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion:112 Resp: 317670
Ion Ratio Lower Upper
112 100
64 48.9 49.5 74.3#
63 46.4 37.4 56.2

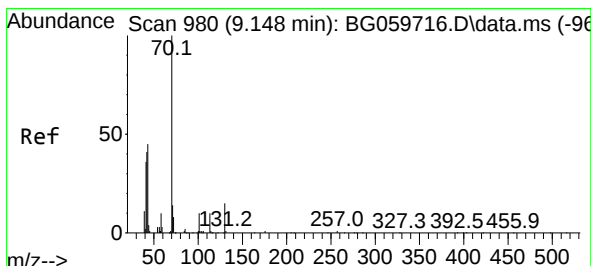
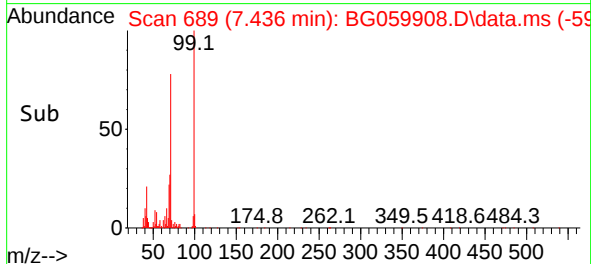
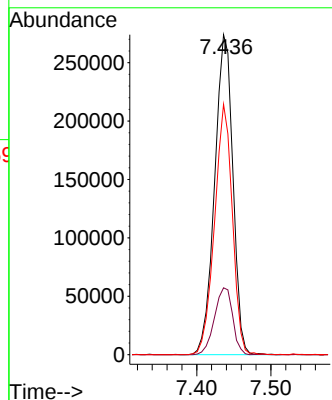
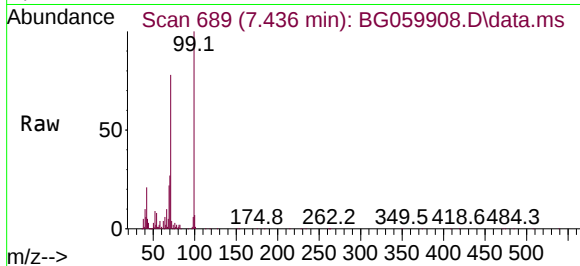




#7
Phenol-d6
Concen: 150.064 ng
RT: 7.436 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

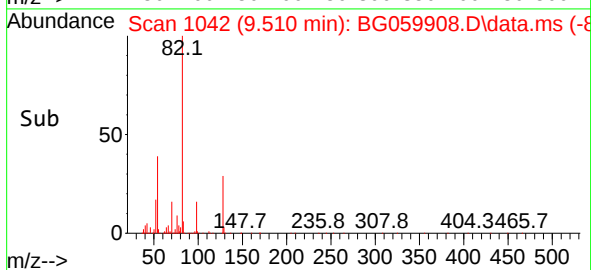
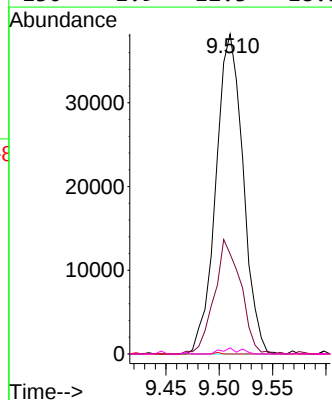
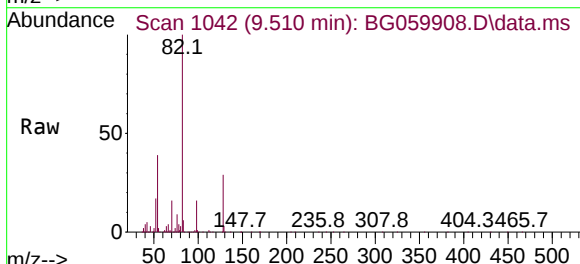
Instrument :
BNA_G
ClientSampleId :
RB21144

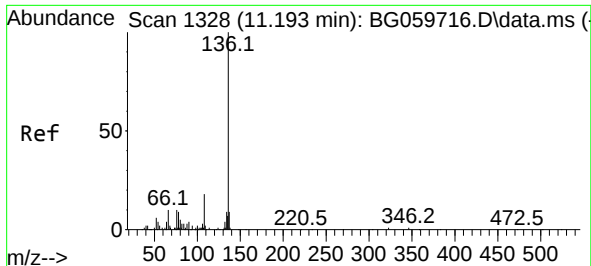
Tgt Ion: 99 Resp: 468666
Ion Ratio Lower Upper
99 100
42 20.9 14.3 21.5
71 78.3 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 27.576 ng
RT: 9.510 min Scan# 1042
Delta R.T. 0.400 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion: 70 Resp: 67820
Ion Ratio Lower Upper
70 100
42 31.3 32.8 49.2#
101 0.0 7.7 11.5#
130 1.9 12.3 18.5#

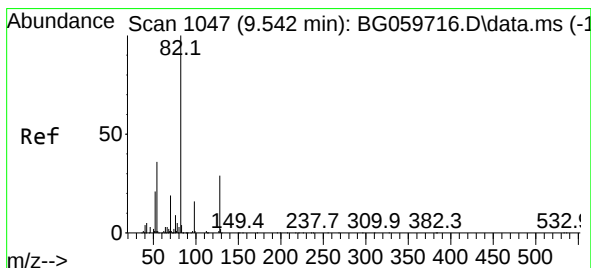
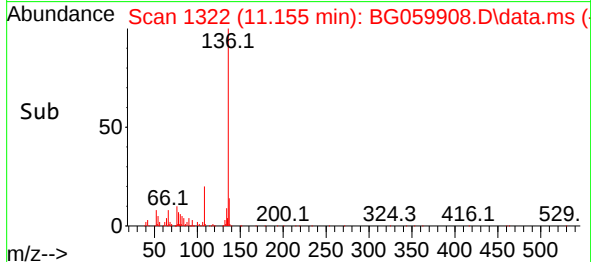
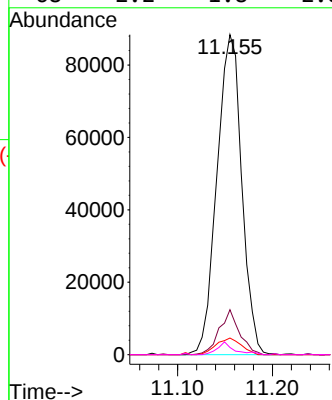
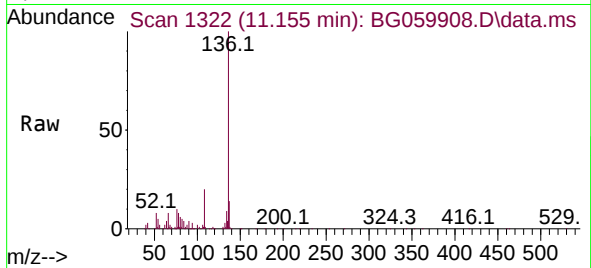




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.155 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

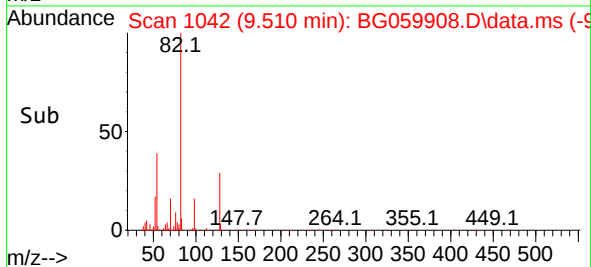
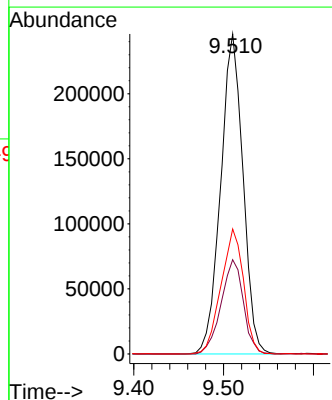
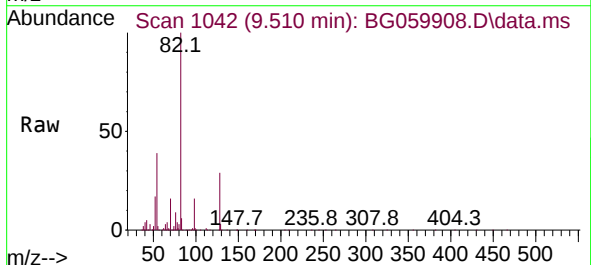
Instrument :
BNA_G
ClientSampleId :
RB21144

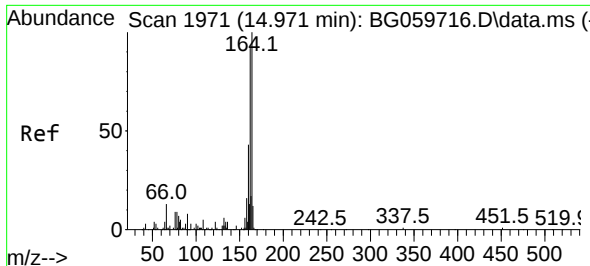
Tgt Ion:136 Resp: 160457
Ion Ratio Lower Upper
136 100
137 14.1 7.4 11.0#
54 5.2 3.1 4.7#
68 2.2 1.8 2.8



#23
Nitrobenzene-d5
Concen: 100.788 ng
RT: 9.510 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion: 82 Resp: 423444
Ion Ratio Lower Upper
82 100
128 29.4 23.0 34.6
54 39.1 28.7 43.1

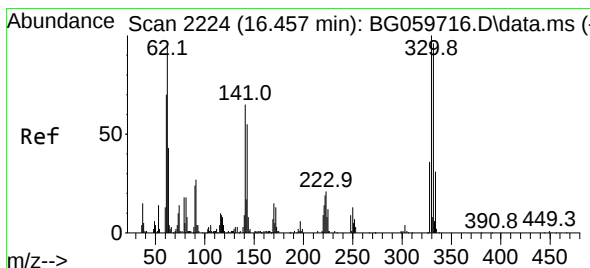
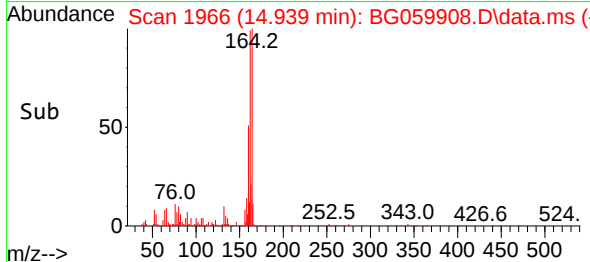
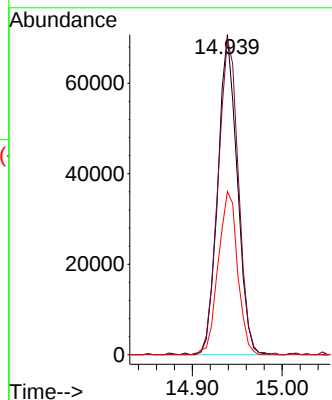
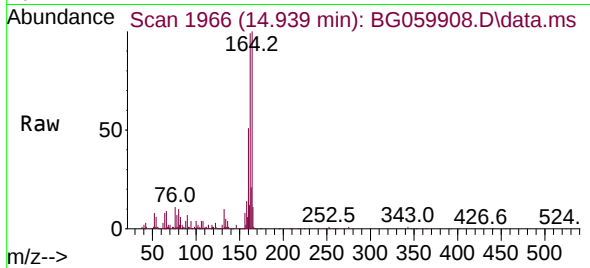




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.939 min Scan# 1971
Delta R.T. -0.005 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

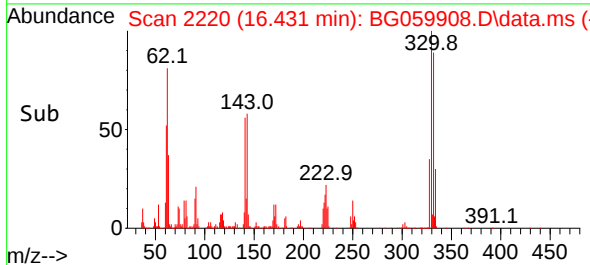
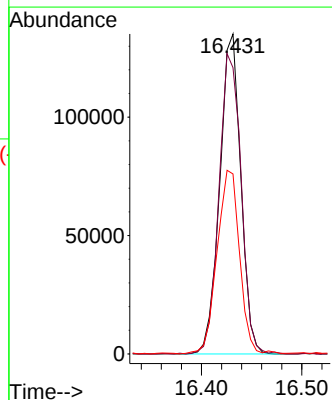
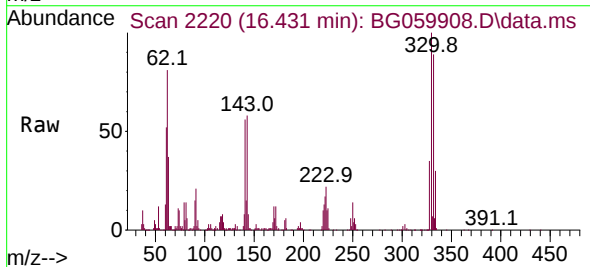
Instrument :
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ClientSampleId :
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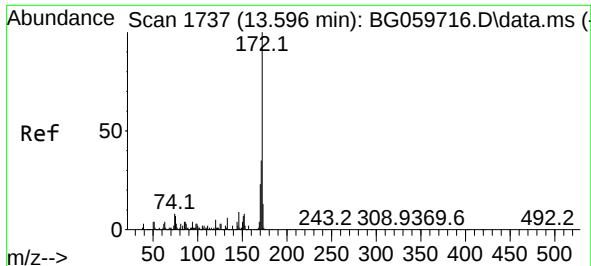
Tgt Ion:164 Resp: 105825
Ion Ratio Lower Upper
164 100
162 98.6 73.3 109.9
160 50.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 163.642 ng
RT: 16.431 min Scan# 2220
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion:330 Resp: 196487
Ion Ratio Lower Upper
330 100
332 98.7 73.3 109.9
141 61.6 52.1 78.1

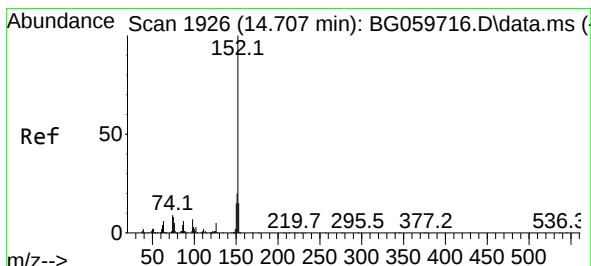
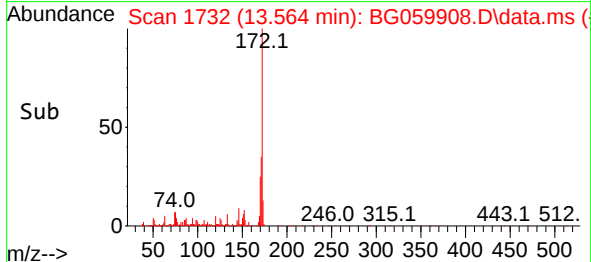
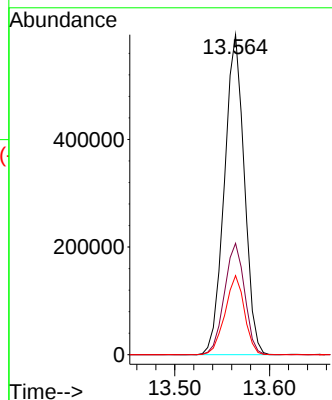
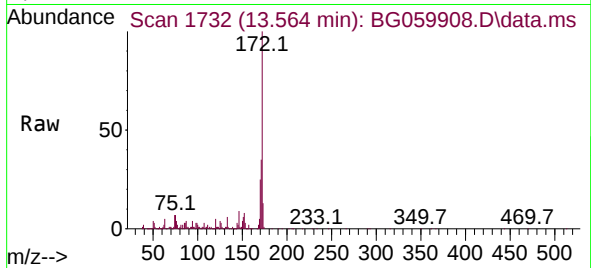




#45
2-Fluorobiphenyl
Concen: 110.345 ng
RT: 13.564 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

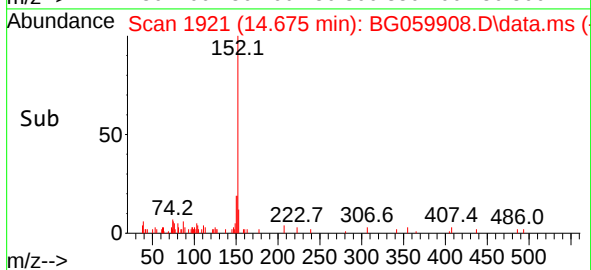
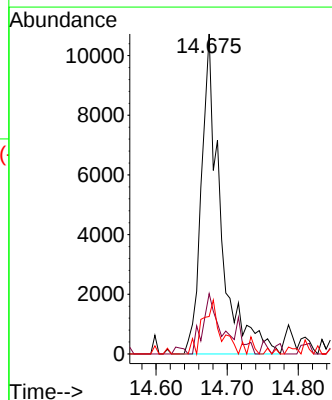
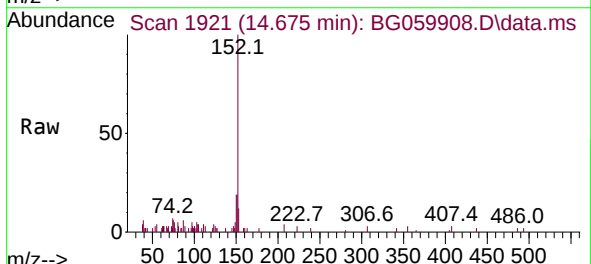
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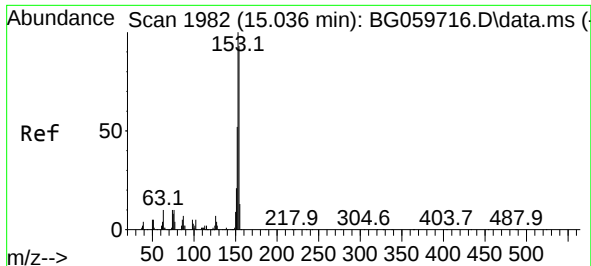
Tgt Ion:172 Resp: 867523
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 24.7 18.4 27.6



#49
Acenaphthylene
Concen: 2.067 ng
RT: 14.675 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion:152 Resp: 20116
Ion Ratio Lower Upper
152 100
151 18.9 15.8 23.8
153 11.7 12.2 18.4#

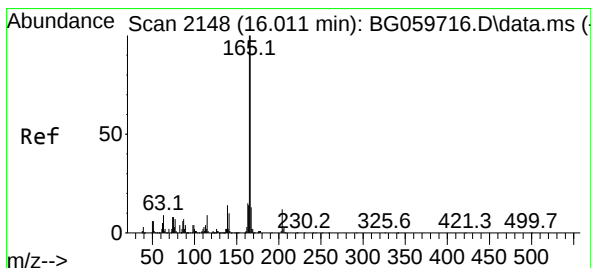
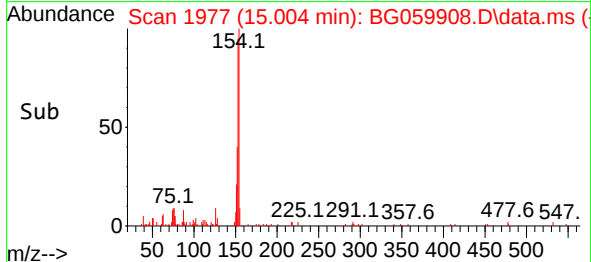
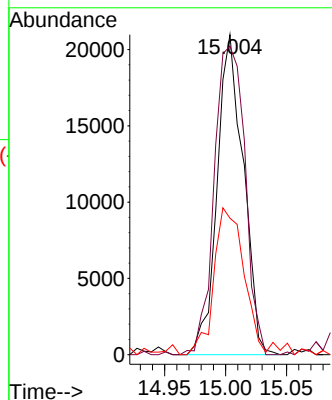
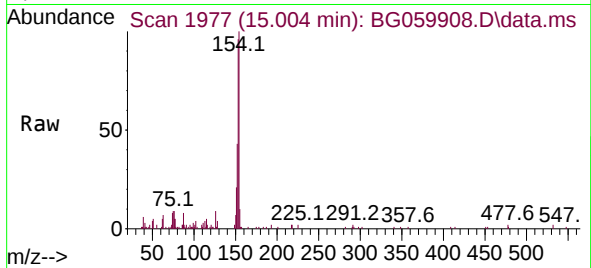




#52
Acenaphthene
Concen: 5.376 ng
RT: 15.004 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

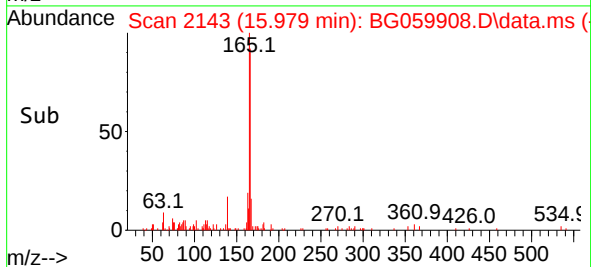
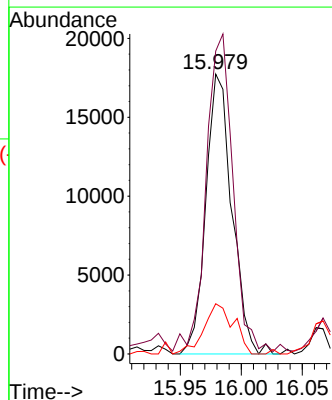
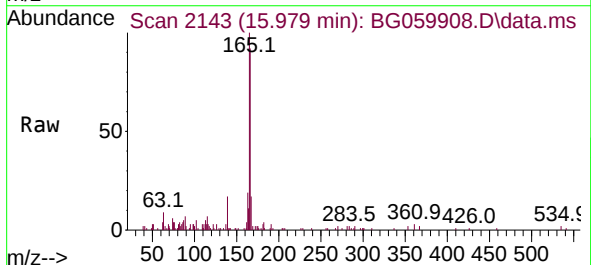
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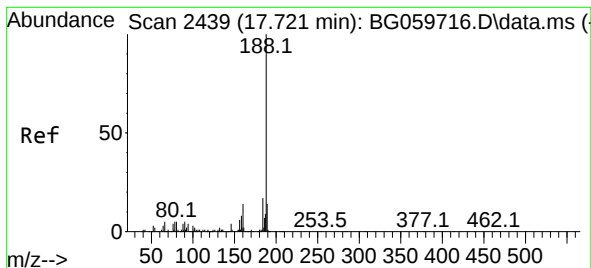
Tgt Ion:154 Resp: 31464
Ion Ratio Lower Upper
154 100
153 96.4 85.8 128.8
152 42.7 44.4 66.6#



#58
Fluorene
Concen: 3.291 ng
RT: 15.979 min Scan# 2143
Delta R.T. -0.011 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion:166 Resp: 26385
Ion Ratio Lower Upper
166 100
165 108.2 79.9 119.9
167 18.0 10.1 15.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.695 min Scan# 2439

Delta R.T. 0.000 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Instrument :

BNA_G

ClientSampleId :

RB21144

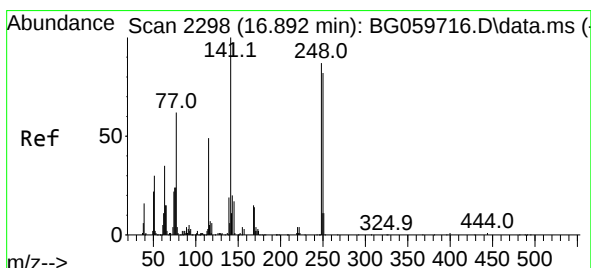
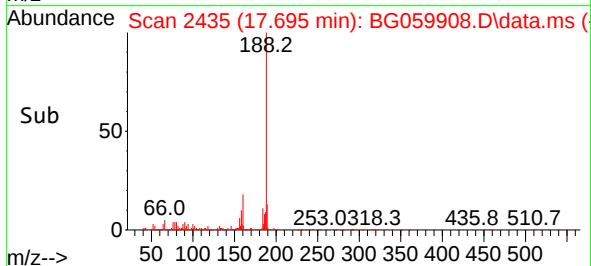
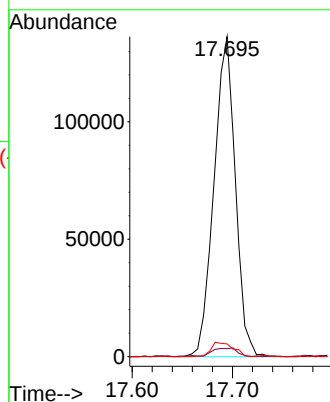
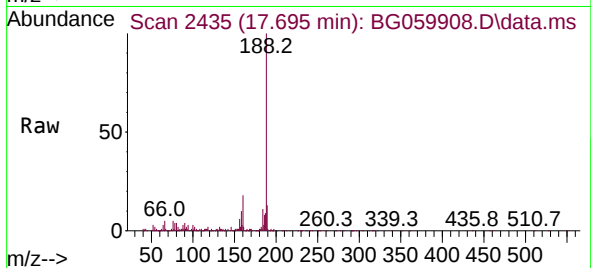
Tgt Ion:188 Resp: 201218

Ion Ratio Lower Upper

188 100

94 2.5 3.0 4.4#

80 4.0 4.2 6.4#



#67

4-Bromophenyl-phenylether

Concen: 6.171 ng

RT: 16.426 min Scan# 2219

Delta R.T. -0.440 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

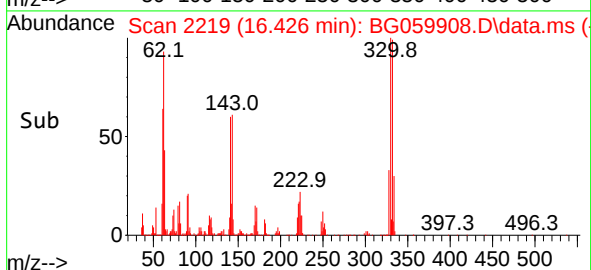
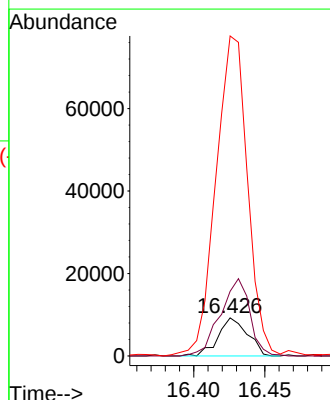
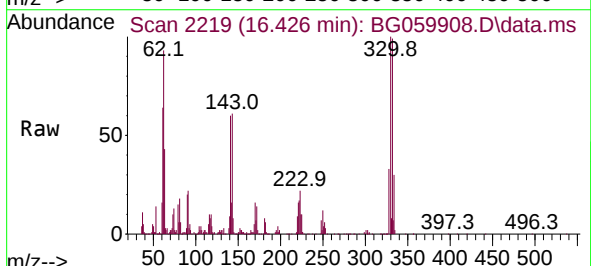
Tgt Ion:248 Resp: 13339

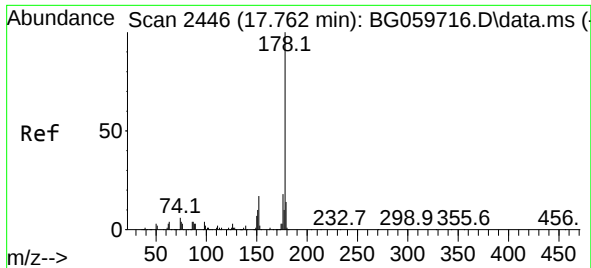
Ion Ratio Lower Upper

248 100

250 169.7 75.2 112.8#

141 840.2 91.5 137.3#

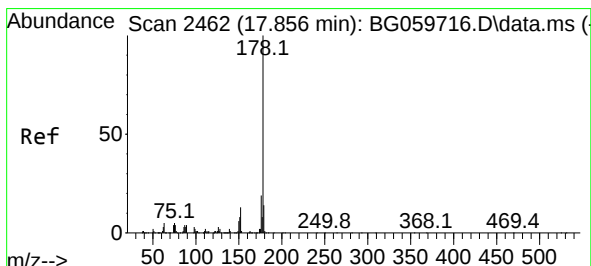
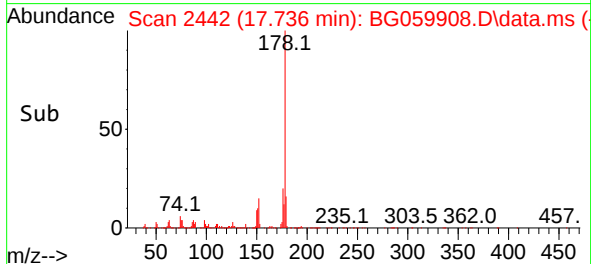
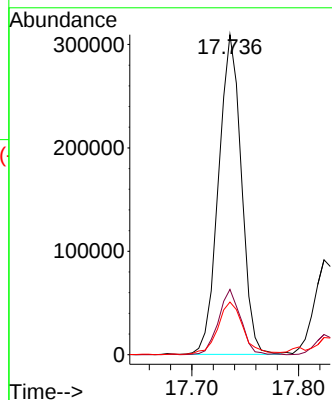
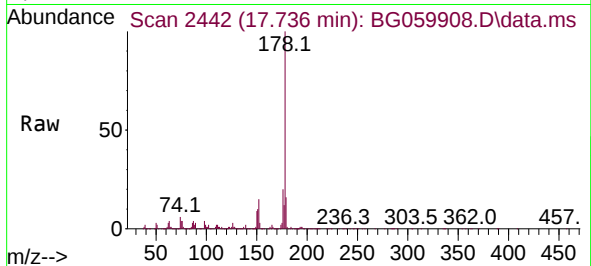




#71
Phenanthrene
Concen: 44.850 ng
RT: 17.736 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

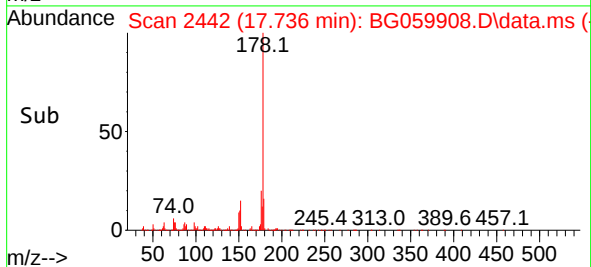
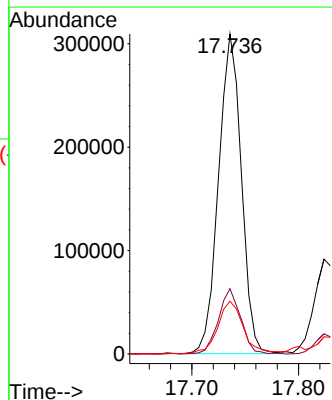
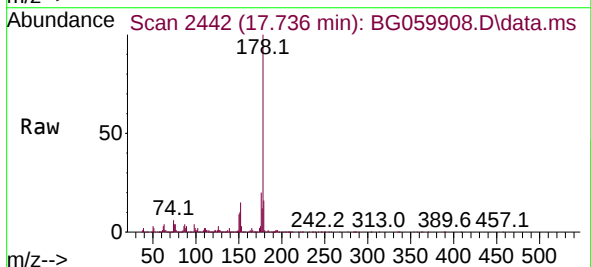
Instrument :
BNA_G
ClientSampleId :
RB21144

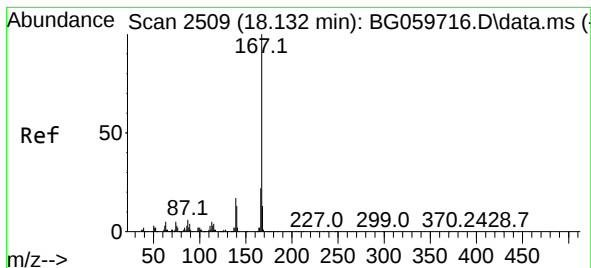
Tgt Ion:178 Resp: 458831
Ion Ratio Lower Upper
178 100
176 20.4 14.5 21.7
179 16.5 11.2 16.8



#72
Anthracene
Concen: 43.166 ng
RT: 17.736 min Scan# 2442
Delta R.T. -0.094 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion:178 Resp: 458831
Ion Ratio Lower Upper
178 100
176 20.4 15.0 22.4
179 16.5 11.5 17.3





#73

Carbazole

Concen: 4.318 ng

RT: 18.106 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Instrument :

BNA_G

ClientSampleId :

RB21144

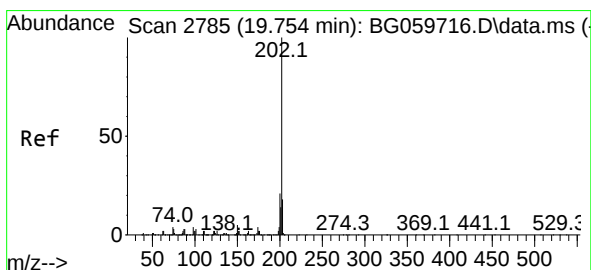
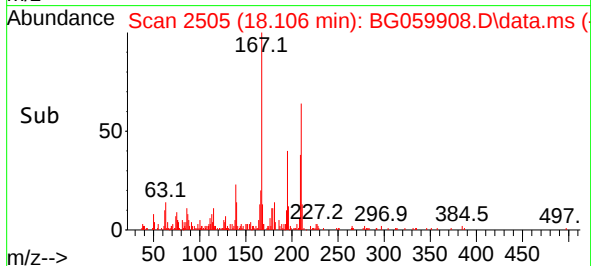
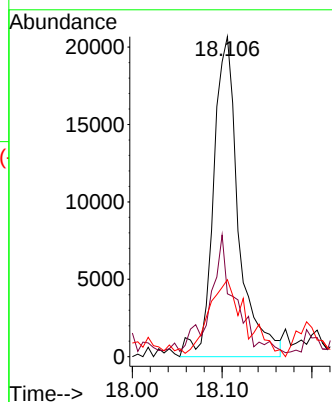
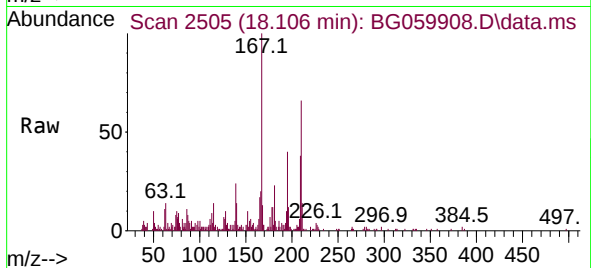
Tgt Ion:167 Resp: 40098

Ion Ratio Lower Upper

167 100

166 19.6 17.4 26.0

139 24.1 13.2 19.8#



#75

Fluoranthene

Concen: 670.082 ng

RT: 19.763 min Scan# 2787

Delta R.T. 0.036 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

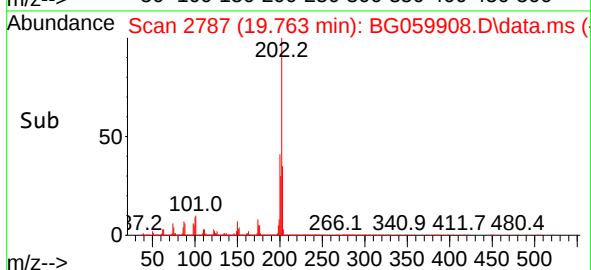
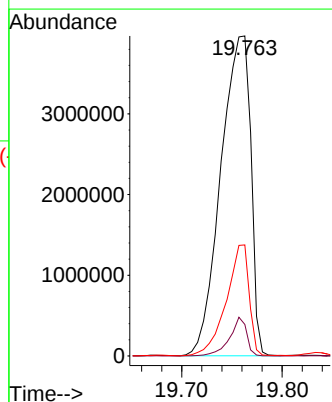
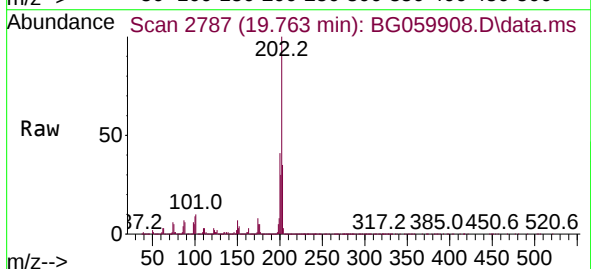
Tgt Ion:202 Resp: 8220994

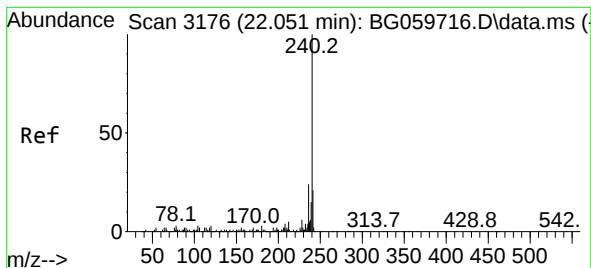
Ion Ratio Lower Upper

202 100

101 9.9 0.0 22.7

203 34.7 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.031 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Instrument :

BNA_G

ClientSampleId :

RB21144

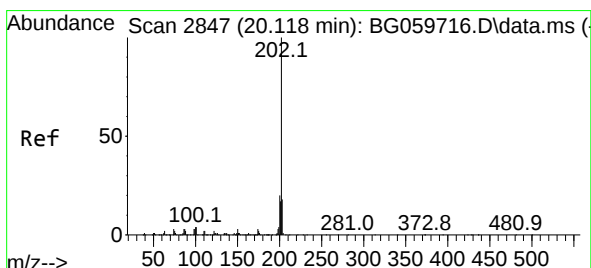
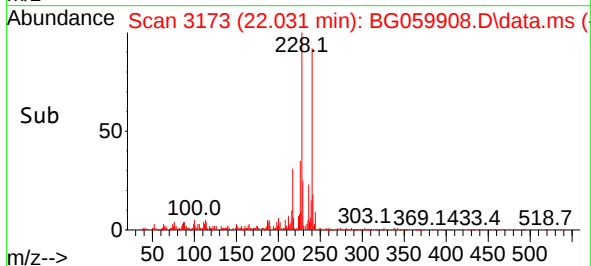
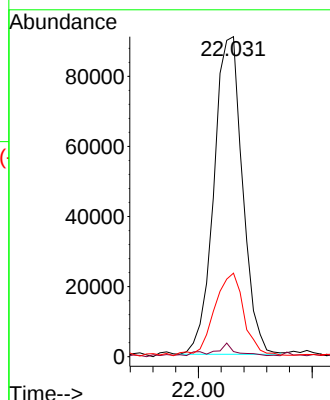
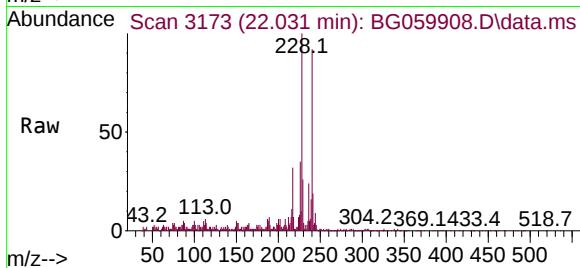
Tgt Ion:240 Resp: 158503

Ion Ratio Lower Upper

240 100

120 1.6 2.2 3.2#

236 26.1 19.4 29.2



#78

Pyrene

Concen: 621.261 ng

RT: 20.121 min Scan# 2848

Delta R.T. 0.024 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

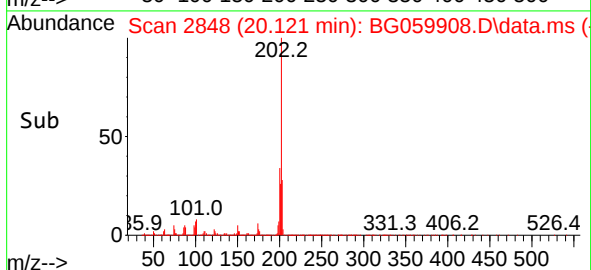
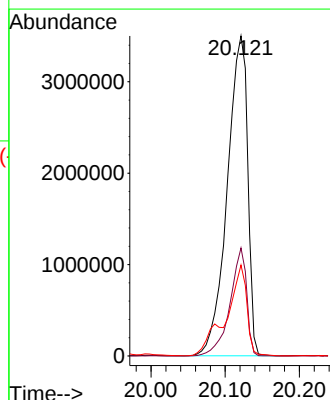
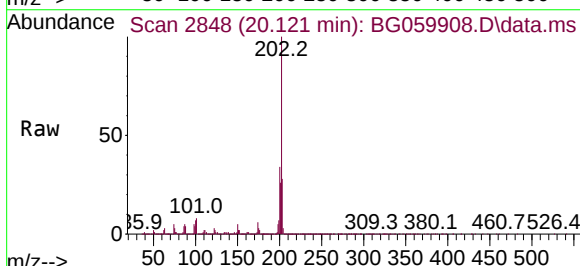
Tgt Ion:202 Resp: 6699956

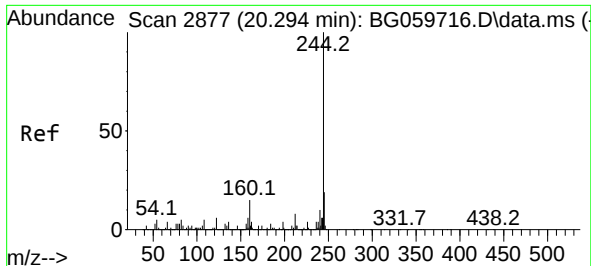
Ion Ratio Lower Upper

202 100

200 33.8 16.2 24.4#

203 28.4 14.0 21.0#

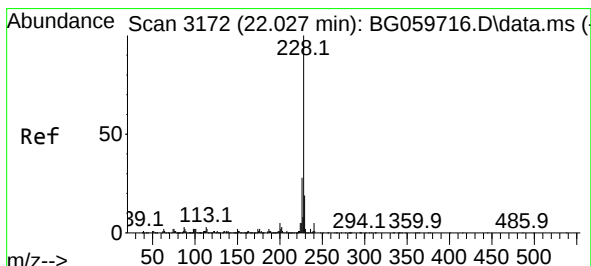
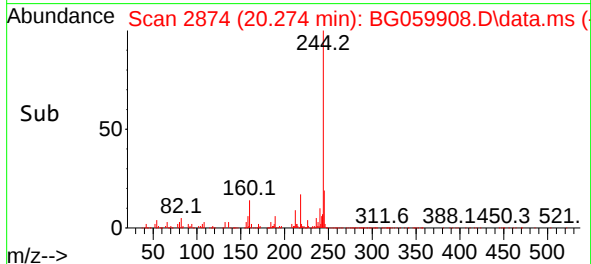
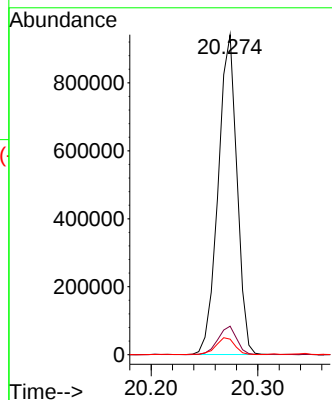
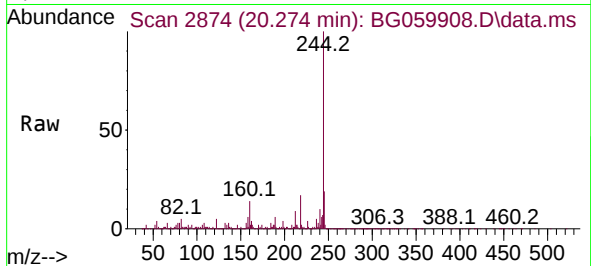




#79
Terphenyl-d14
Concen: 107.056 ng
RT: 20.274 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

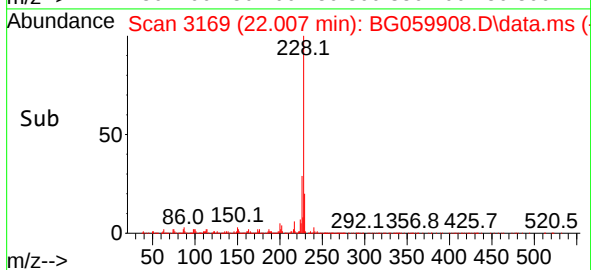
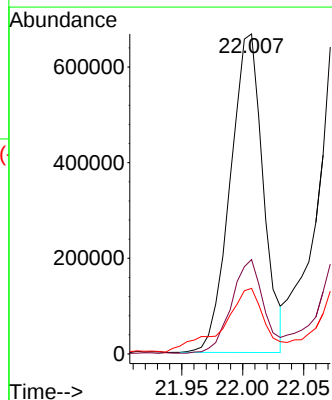
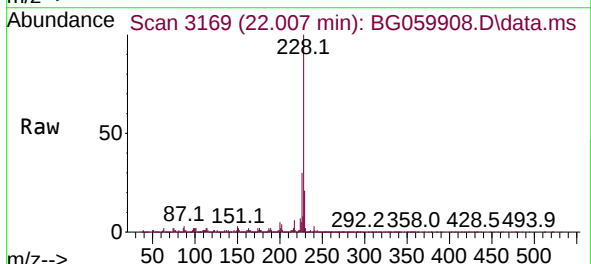
Instrument :
BNA_G
ClientSampleId :
RB21144

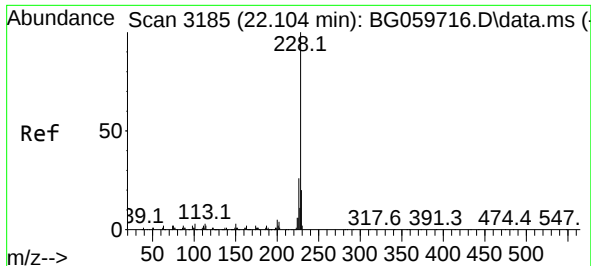
Tgt Ion:244 Resp: 1149443
Ion Ratio Lower Upper
244 100
212 8.9 6.6 10.0
122 4.9 4.4 6.6



#81
Benzo(a)anthracene
Concen: 115.448 ng
RT: 22.007 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion:228 Resp: 1252052
Ion Ratio Lower Upper
228 100
226 29.5 22.1 33.1
229 20.5 14.9 22.3





#83

Chrysene

Concen: 185.816 ng

RT: 22.084 min Scan# 3185

Delta R.T. 0.018 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Instrument :

BNA_G

ClientSampleId :

RB21144

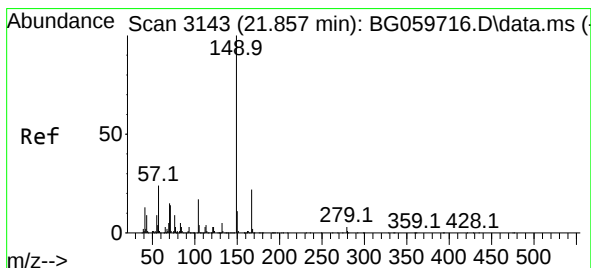
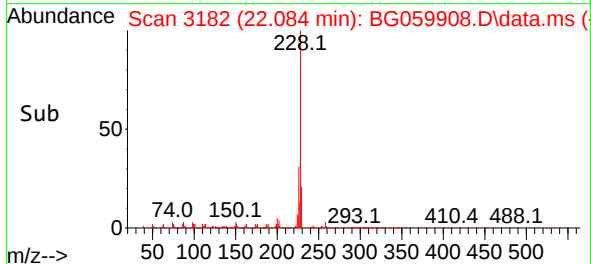
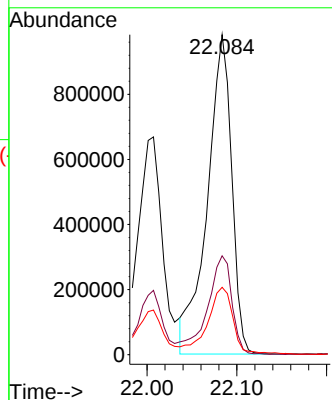
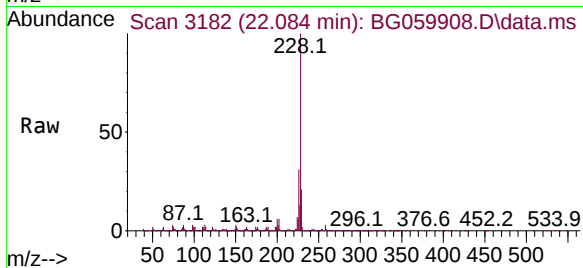
Tgt Ion:228 Resp: 1847335

Ion Ratio Lower Upper

228 100

226 30.9 21.1 31.7

229 21.0 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.176 ng

RT: 21.813 min Scan# 3136

Delta R.T. -0.005 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

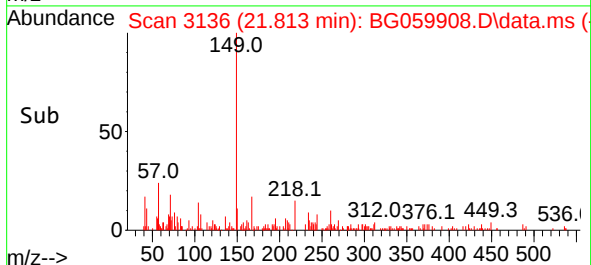
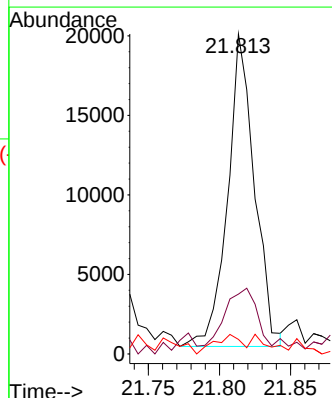
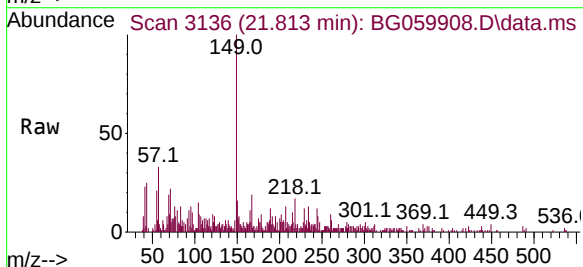
Tgt Ion:149 Resp: 25813

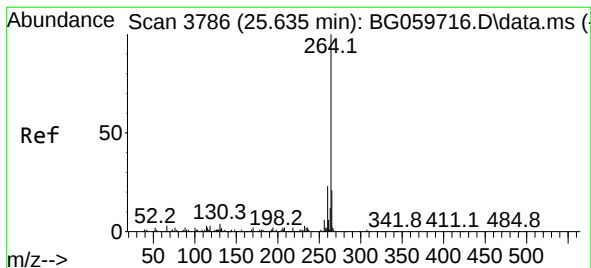
Ion Ratio Lower Upper

149 100

167 18.7 17.6 26.4

279 4.6 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.597 min Scan# 31

Delta R.T. 0.018 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Instrument :

BNA_G

ClientSampleId :

RB21144

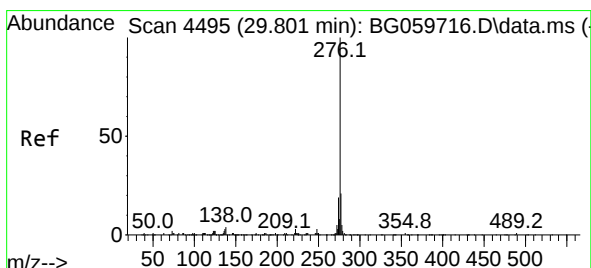
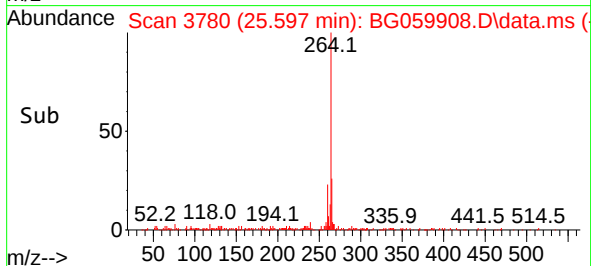
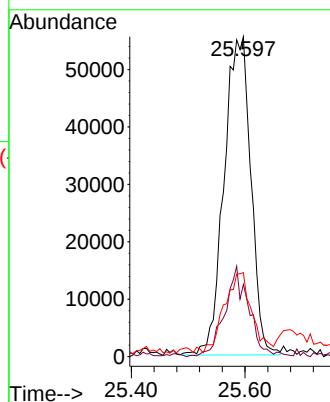
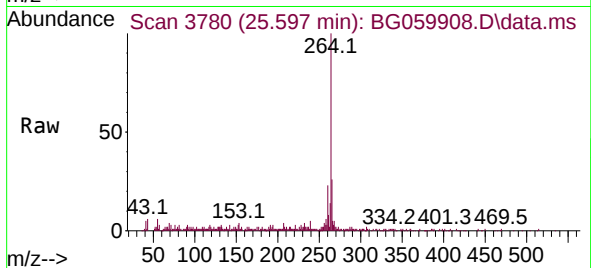
Tgt Ion:264 Resp: 181476

Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

265 26.3 17.0 25.6#



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.192 ng

RT: 29.722 min Scan# 4482

Delta R.T. 0.006 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

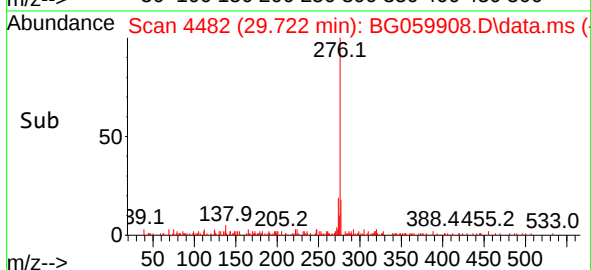
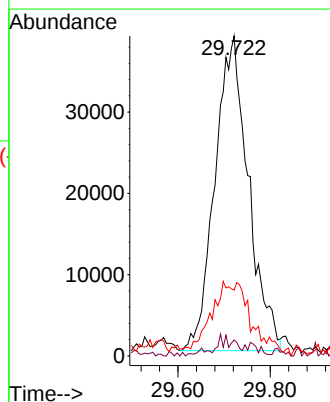
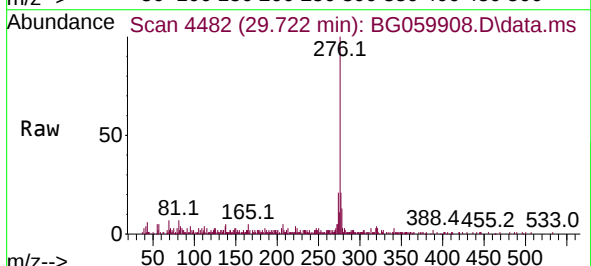
Tgt Ion:276 Resp: 194883

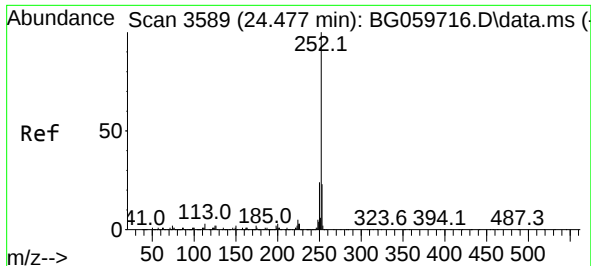
Ion Ratio Lower Upper

276 100

138 0.0 1.8 2.6#

277 0.0 9.8 14.6#

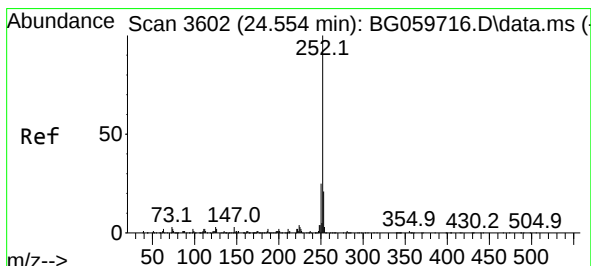
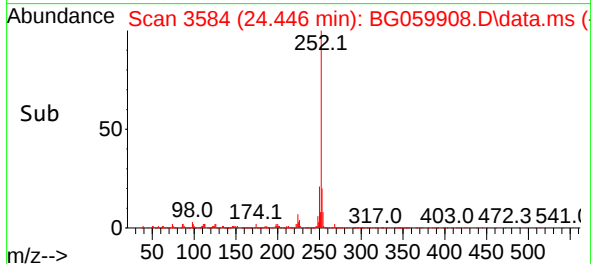
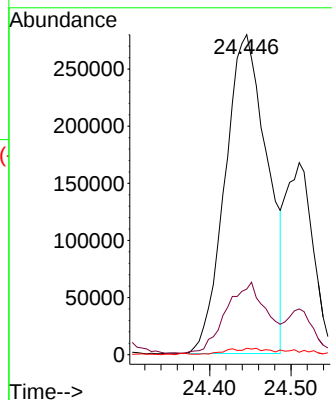
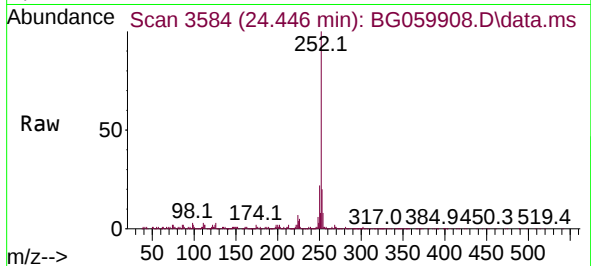




#88
Benzo(b)fluoranthene
Concen: 101.471 ng
RT: 24.446 min Scan# 3584
Delta R.T. 0.024 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

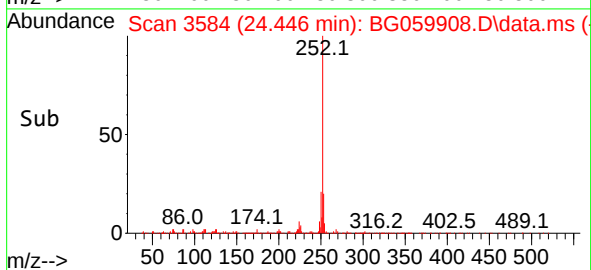
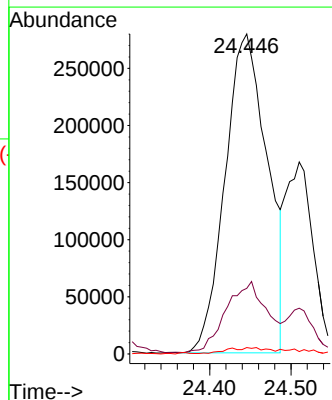
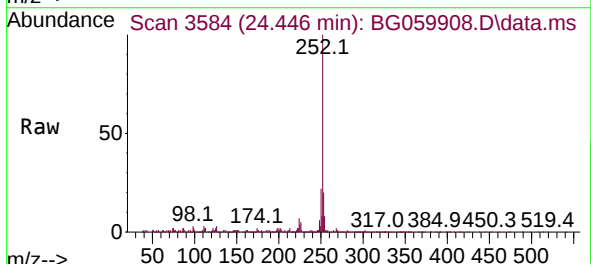
Instrument :
BNA_G
ClientSampleId :
RB21144

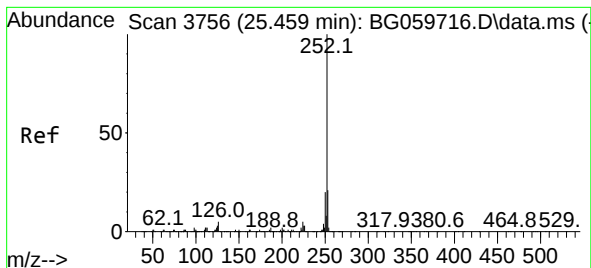
Tgt Ion:252 Resp: 1009290
Ion Ratio Lower Upper
252 100
253 20.5 18.3 27.5
125 2.0 1.4 2.0



#89
Benzo(k)fluoranthene
Concen: 102.638 ng
RT: 24.446 min Scan# 3584
Delta R.T. -0.058 min
Lab File: BG059908.D
Acq: 27 Nov 2023 19:52

Tgt Ion:252 Resp: 1009290
Ion Ratio Lower Upper
252 100
253 20.5 17.1 25.7
125 2.0 2.2 3.2#





#90

Benzo(a)pyrene

Concen: 40.371 ng

RT: 25.415 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Instrument :

BNA_G

ClientSampleId :

RB21144

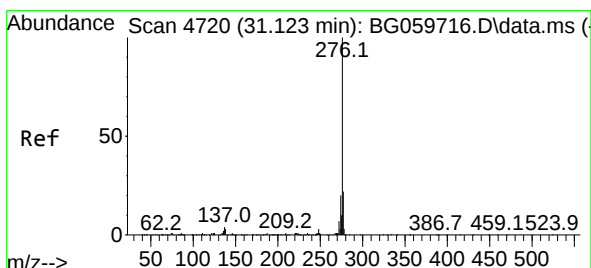
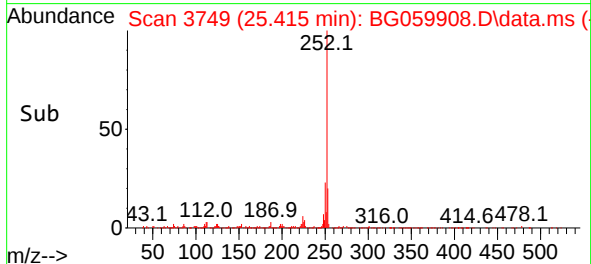
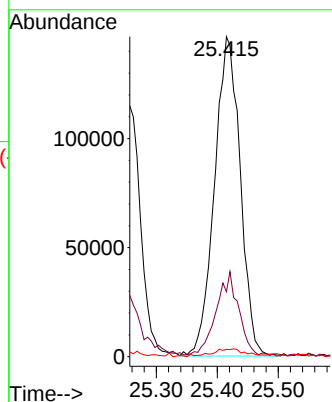
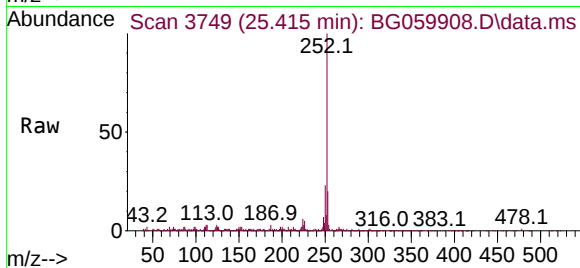
Tgt Ion:252 Resp: 428557

Ion Ratio Lower Upper

252 100

253 20.3 16.8 25.2

125 2.3 2.0 3.0



#92

Benzo(g,h,i)perylene

Concen: 6.175 ng

RT: 31.020 min Scan# 4703

Delta R.T. -0.017 min

Lab File: BG059908.D

Acq: 27 Nov 2023 19:52

Tgt Ion:276 Resp: 68067

Ion Ratio Lower Upper

276 100

277 21.2 17.3 25.9

138 10.6 2.6 4.0#

