

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
 Data File : BG058716.D
 Acq On : 14 Aug 2023 10:28
 Operator : MA/JU
 Sample : 03961-03DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20071DL

Quant Time: Aug 14 11:33:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

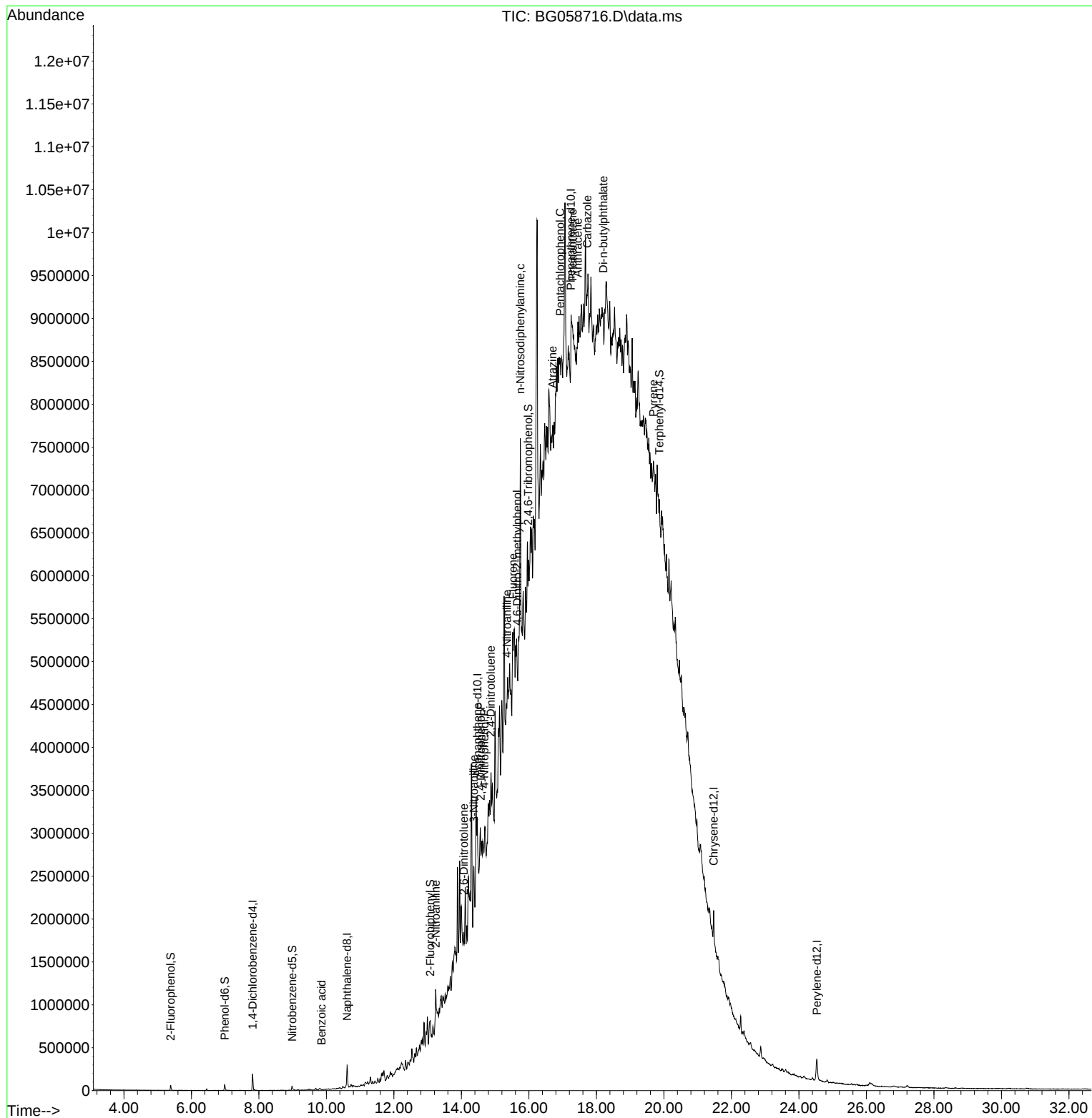
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	55264	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	228077	20.000	ng	0.00
39) Acenaphthene-d10	14.471	164	120347	20.000	ng	0.00
64) Phenanthrene-d10	17.244	188	164366	20.000	ng	# 0.04
76) Chrysene-d12	21.474	240	205240	20.000	ng	# 0.03
86) Perylene-d12	24.530	264	308098	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	27642	7.645	ng	0.00
7) Phenol-d6	6.985	99	48922	9.724	ng	0.00
23) Nitrobenzene-d5	8.983	82	35609	7.670	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	16807	8.520	ng	0.03
45) 2-Fluorobiphenyl	13.078	172	101914	12.691	ng	0.00
79) Terphenyl-d14	19.864	244	92553	8.480	ng	0.04
Target Compounds						Qvalue
32) Benzoic acid	9.858	122	74	4.588	ng	# 36
48) 2-Nitroaniline	13.243	65	8162	3.318	ng	94
51) 2,6-Dinitrotoluene	14.077	165	14032	7.076	ng	# 33
53) 3-Nitroaniline	14.371	138	17190	8.664	ng	# 20
54) 2,4-Dinitrophenol	14.571	184	776	8.114	ng	# 1
56) 4-Nitrophenol	14.682	139	5400	6.845	ng	# 1
57) 2,4-Dinitrotoluene	14.870	165	14927	5.429	ng	# 61
58) Fluorene	15.528	166	50398	5.922	ng	# 46
62) 4-Nitroaniline	15.352	138	35275	18.767	ng	98
65) 4,6-Dinitro-2-methylph...	15.652	198	5941	6.555	ng	# 1
66) n-Nitrosodiphenylamine	15.746	169	104154	24.346	ng	# 46
69) Atrazine	16.698	200	4528	3.135	ng	# 1
70) Pentachlorophenol	16.927	266	3163	2.645	ng	# 1
71) Phenanthrene	17.291	178	249016	31.946	ng	# 71
72) Anthracene	17.450	178	50820	6.354	ng	# 1
73) Carbazole	17.732	167	15331	2.174	ng	# 1
74) Di-n-butylphthalate	18.202	149	63636	7.203	ng	# 43
78) Pyrene	19.688	202	29709	2.127	ng	# 1

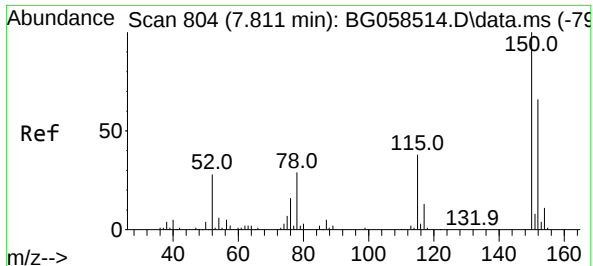
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081423\
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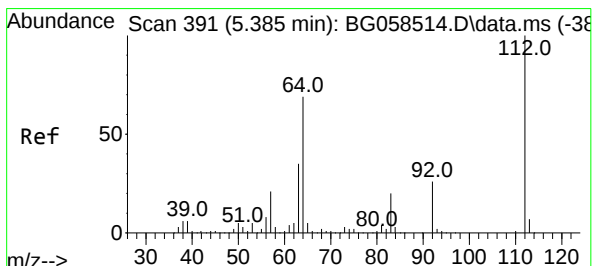
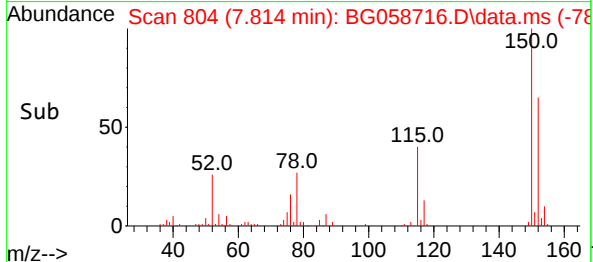
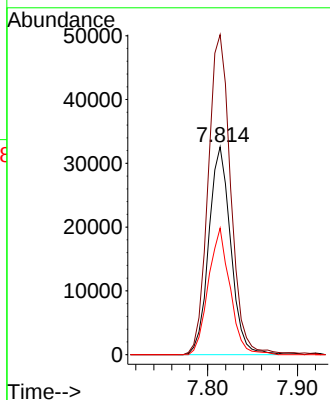
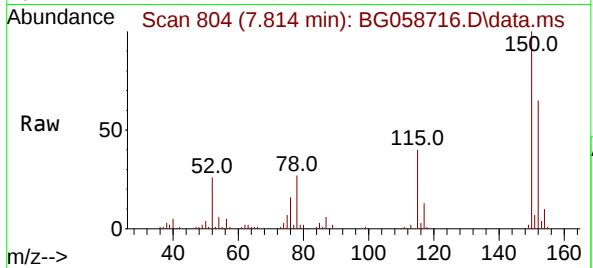




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.814 min Scan# 804
Delta R.T. 0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

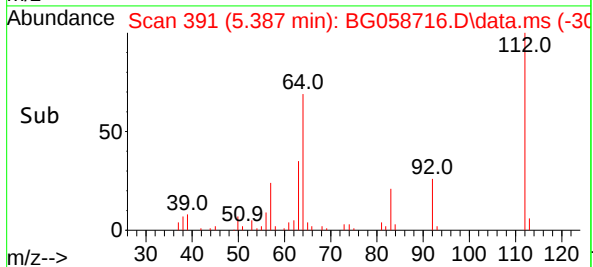
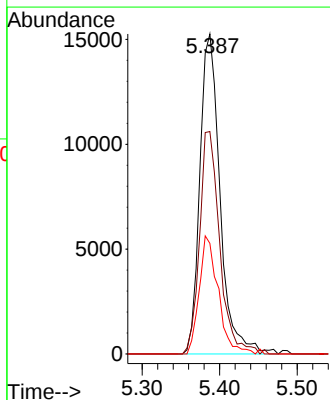
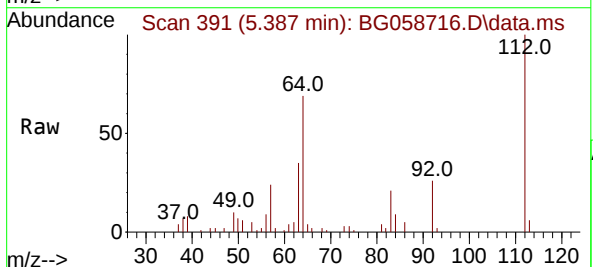
Instrument :
BNA_G
ClientSampleId :
20071DL

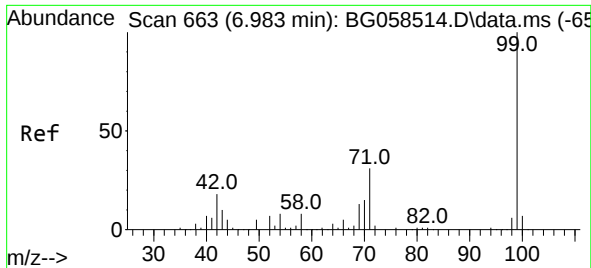
Tgt Ion:152 Resp: 55264
Ion Ratio Lower Upper
152 100
150 154.0 120.5 180.7
115 60.9 45.9 68.9



#5
2-Fluorophenol
Concen: 7.645 ng
RT: 5.387 min Scan# 391
Delta R.T. 0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:112 Resp: 27642
Ion Ratio Lower Upper
112 100
64 69.5 55.3 82.9
63 34.6 28.3 42.5

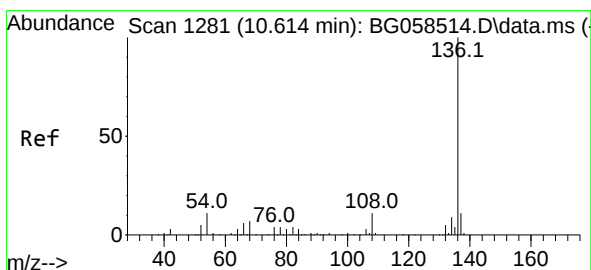
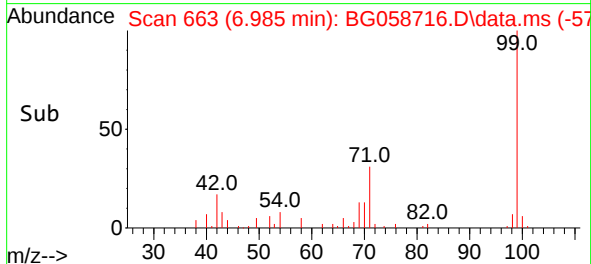
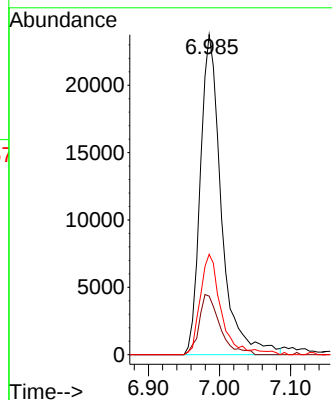
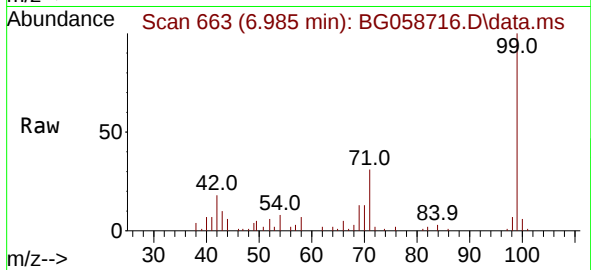




#7
Phenol-d6
Concen: 9.724 ng
RT: 6.985 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

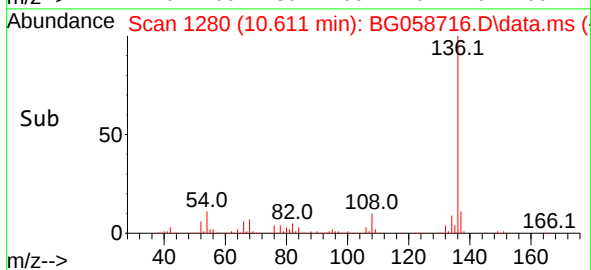
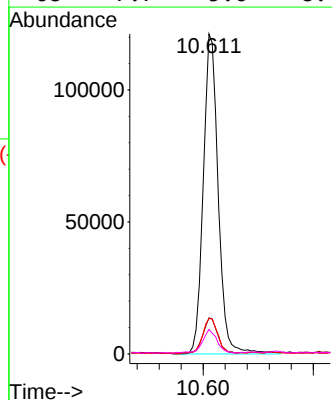
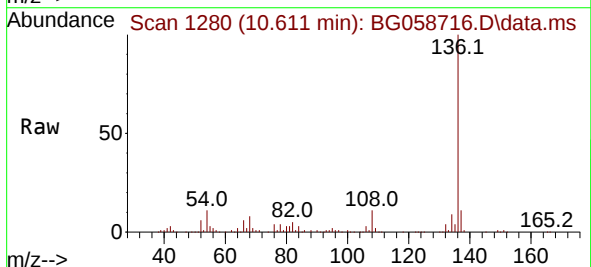
Instrument :
BNA_G
ClientSampleId :
20071DL

Tgt Ion: 99 Resp: 48922
Ion Ratio Lower Upper
99 100
42 18.3 14.6 21.8
71 31.4 25.0 37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion: 136 Resp: 228077
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 11.0 8.9 13.3
68 7.7 5.6 8.4





#23

Nitrobenzene-d5

Concen: 7.670 ng

RT: 8.983 min Scan# 1105

Delta R.T. 0.003 min

Lab File: BG058716.D

Acq: 14 Aug 2023 10:28

Instrument :

BNA_G

ClientSampleId :

20071DL

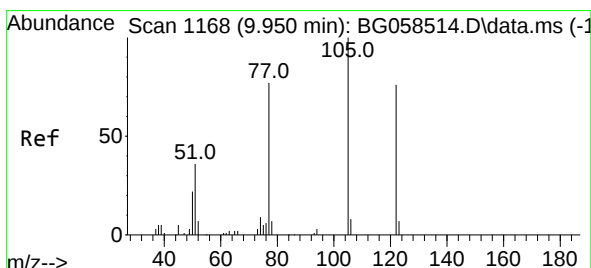
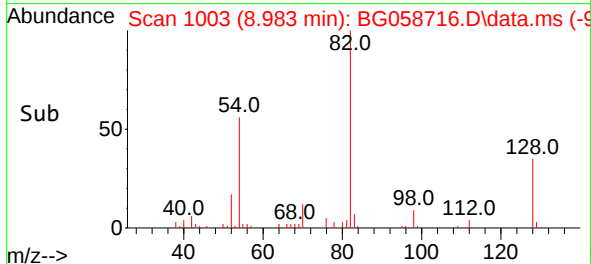
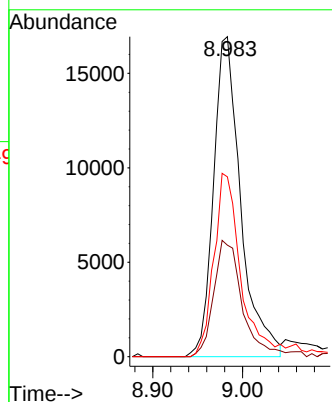
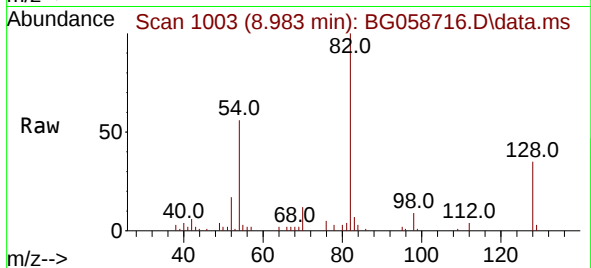
Tgt Ion: 82 Resp: 35609

Ion Ratio Lower Upper

82 100

128 34.9 32.2 48.2

54 56.2 46.0 69.0



#32

Benzoic acid

Concen: 4.588 ng

RT: 9.858 min Scan# 1152

Delta R.T. -0.092 min

Lab File: BG058716.D

Acq: 14 Aug 2023 10:28

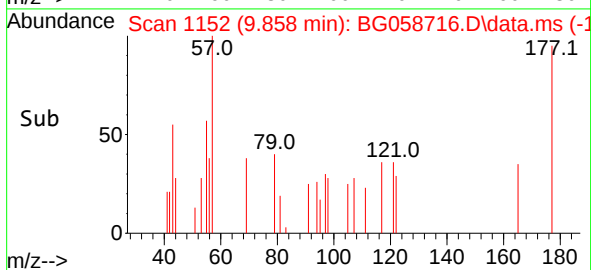
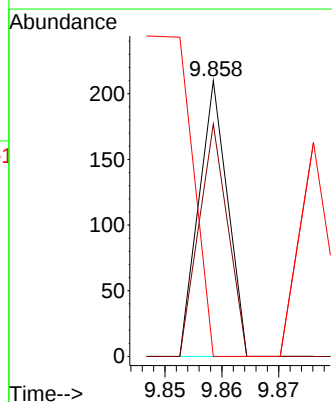
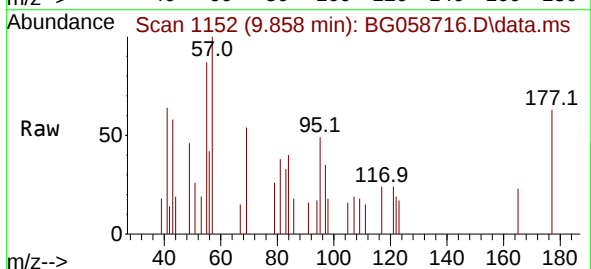
Tgt Ion:122 Resp: 74

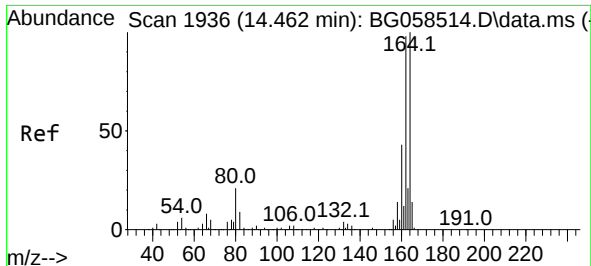
Ion Ratio Lower Upper

122 100

105 84.3 106.5 146.5#

77 0.0 78.1 118.1#

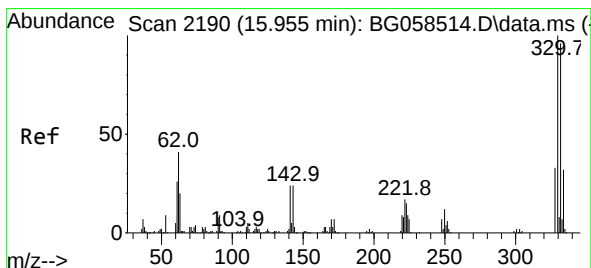
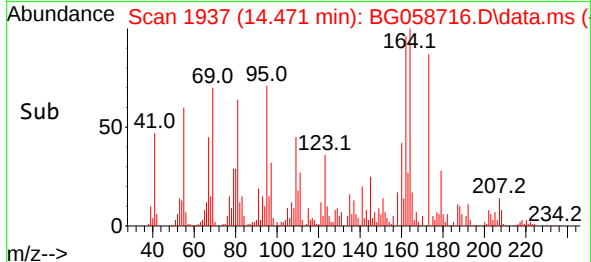
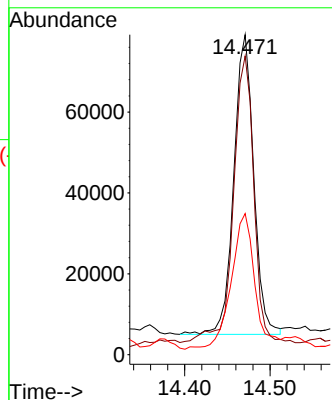
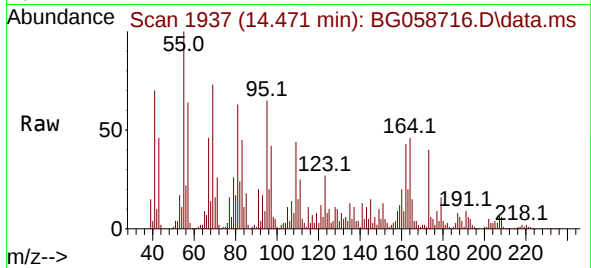




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.471 min Scan# 1936
Delta R.T. 0.008 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

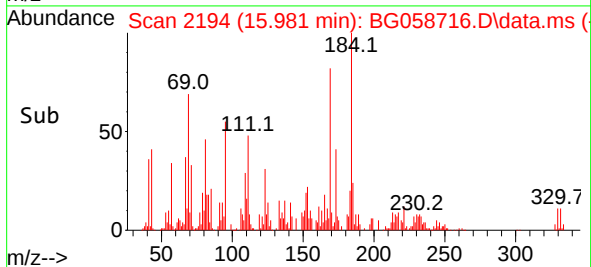
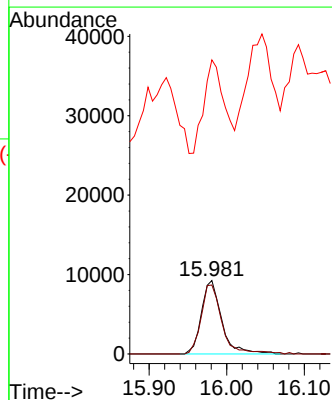
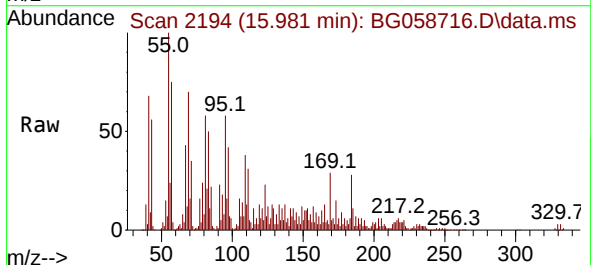
Instrument :
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ClientSampleId :
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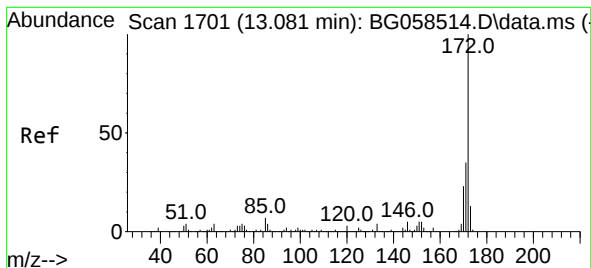
Tgt Ion:164 Resp: 120347
Ion Ratio Lower Upper
164 100
162 93.4 78.3 117.5
160 44.1 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 8.520 ng
RT: 15.981 min Scan# 2194
Delta R.T. 0.026 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:330 Resp: 16807
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 127.1 20.7 31.1#





#45

2-Fluorobiphenyl

Concen: 12.691 ng

RT: 13.078 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG058716.D

Acq: 14 Aug 2023 10:28

Instrument :

BNA_G

ClientSampleId :

20071DL

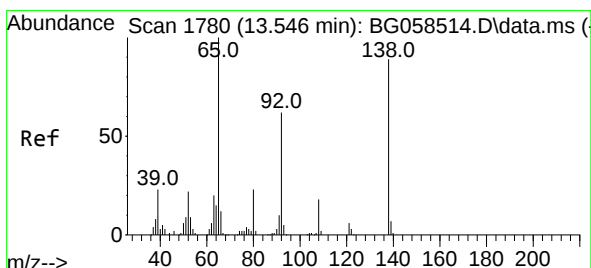
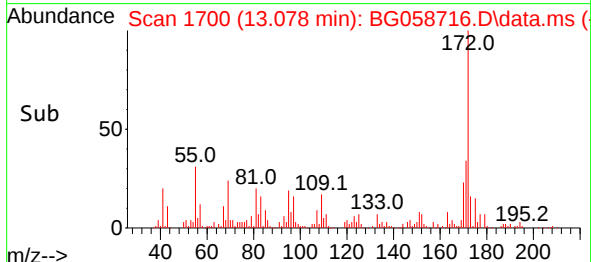
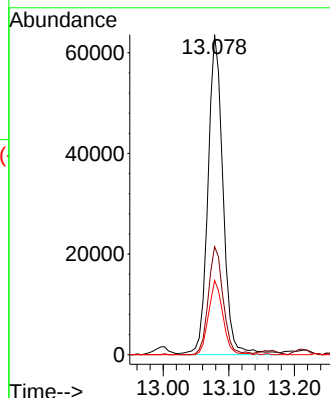
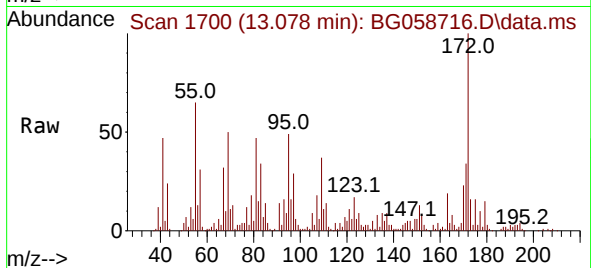
Tgt Ion:172 Resp: 101914

Ion Ratio Lower Upper

172 100

171 33.7 28.0 42.0

170 23.2 18.4 27.6



#48

2-Nitroaniline

Concen: 3.318 ng

RT: 13.243 min Scan# 1728

Delta R.T. -0.303 min

Lab File: BG058716.D

Acq: 14 Aug 2023 10:28

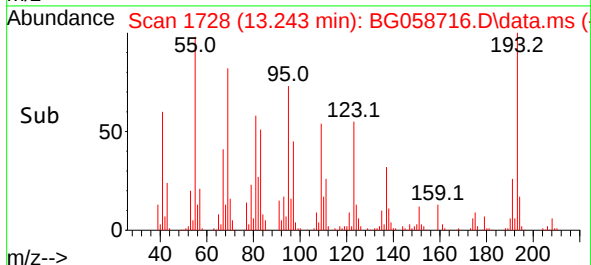
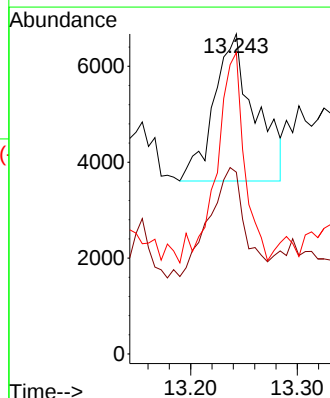
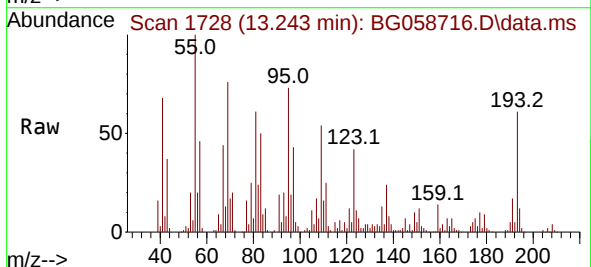
Tgt Ion: 65 Resp: 8162

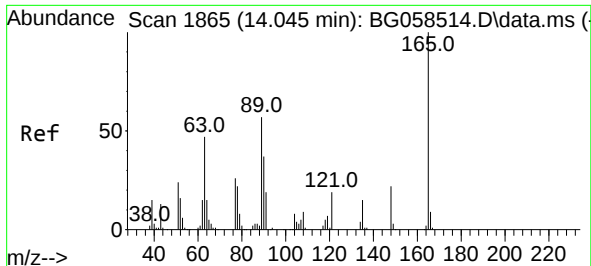
Ion Ratio Lower Upper

65 100

92 56.8 49.2 73.8

138 94.2 71.5 107.3

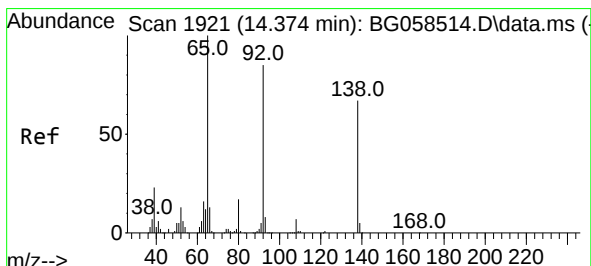
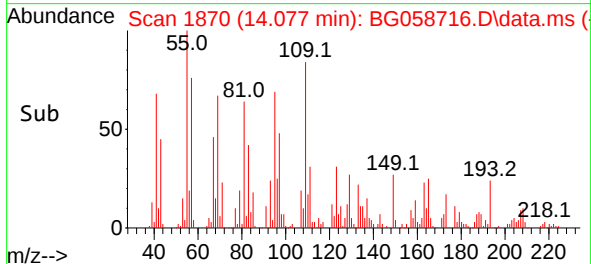
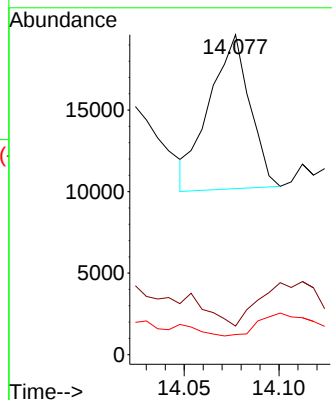
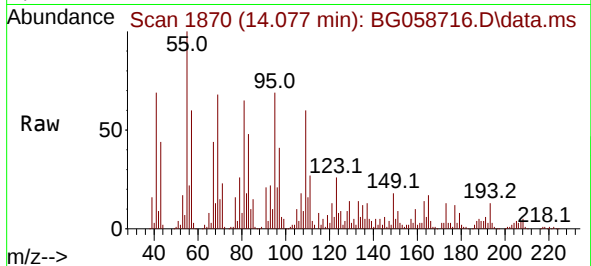




#51
2,6-Dinitrotoluene
Concen: 7.076 ng
RT: 14.077 min Scan# 1865
Delta R.T. 0.032 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

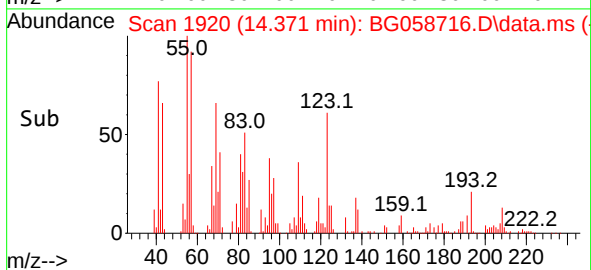
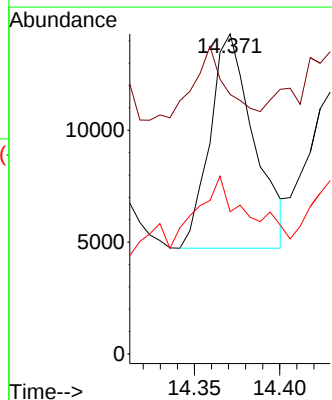
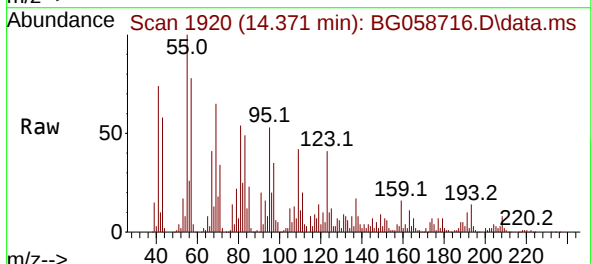
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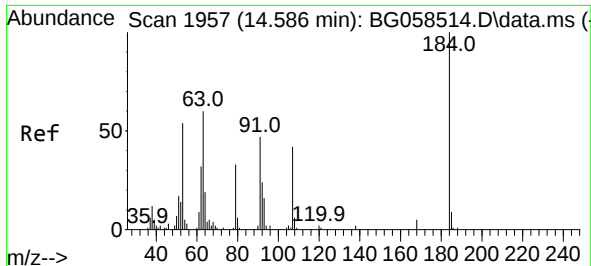
Tgt Ion:165 Resp: 14032
Ion Ratio Lower Upper
165 100
63 9.0 46.4 69.6#
89 6.3 45.3 67.9#



#53
3-Nitroaniline
Concen: 8.664 ng
RT: 14.371 min Scan# 1920
Delta R.T. -0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:138 Resp: 17190
Ion Ratio Lower Upper
138 100
108 81.1 8.3 12.5#
92 44.5 101.1 151.7#

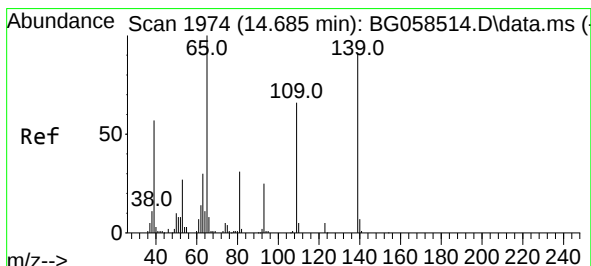
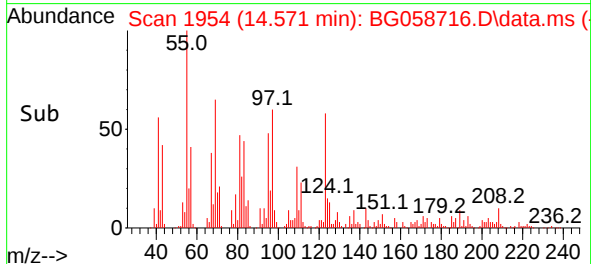
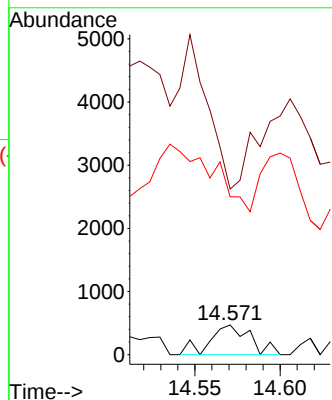
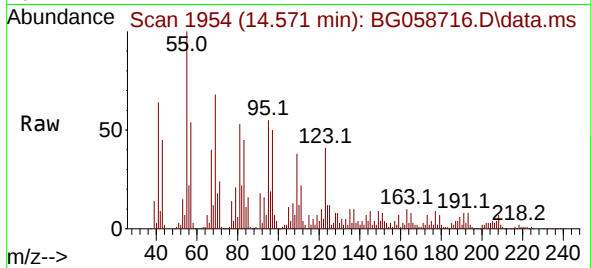




#54
2,4-Dinitrophenol
Concen: 8.114 ng
RT: 14.571 min Scan# 1954
Delta R.T. -0.015 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

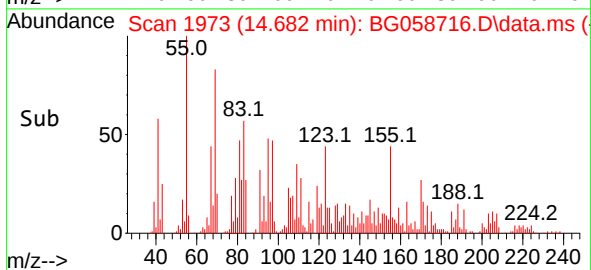
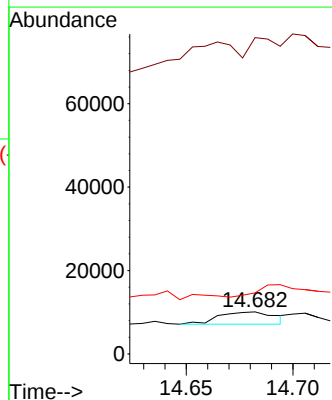
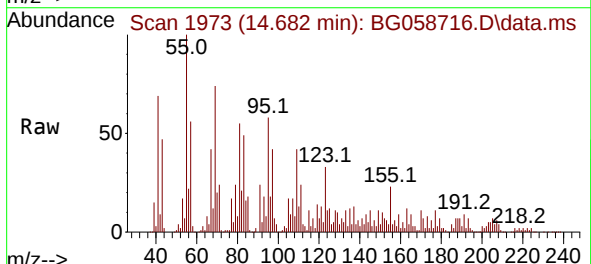
Instrument :
BNA_G
ClientSampleId :
20071DL

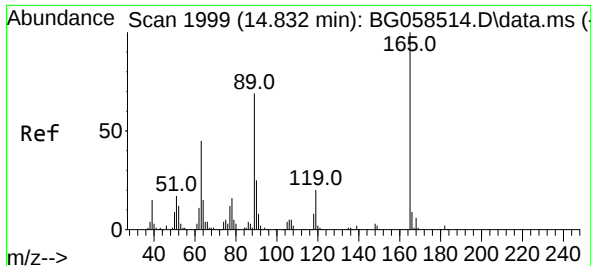
Tgt Ion:184 Resp: 776
Ion Ratio Lower Upper
184 100
63 556.5 56.7 85.1#
154 530.8 46.1 69.1#



#56
4-Nitrophenol
Concen: 6.845 ng
RT: 14.682 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:139 Resp: 5400
Ion Ratio Lower Upper
139 100
109 751.2 52.5 92.5#
65 145.1 90.5 130.5#

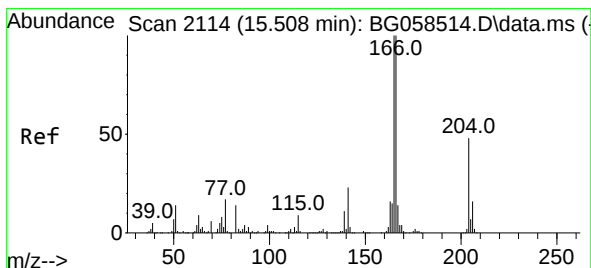
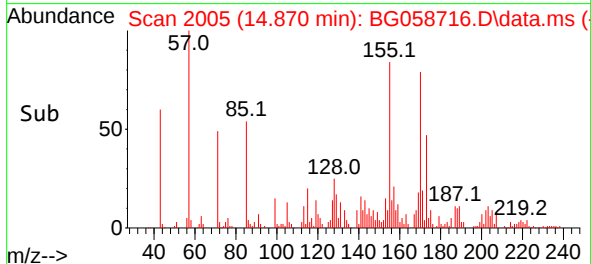
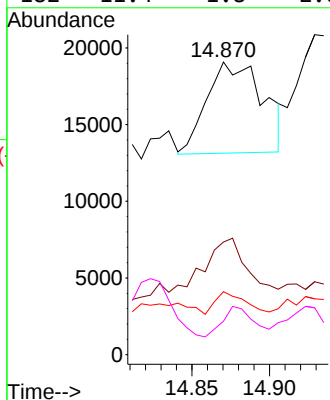
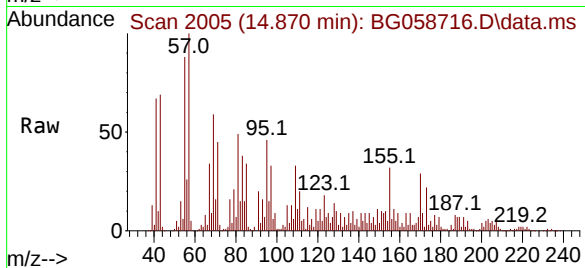




#57
2,4-Dinitrotoluene
Concen: 5.429 ng
RT: 14.870 min Scan# 2005
Delta R.T. 0.038 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

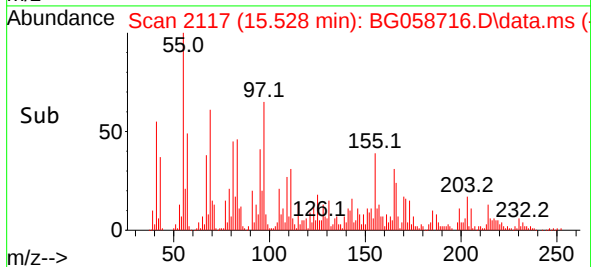
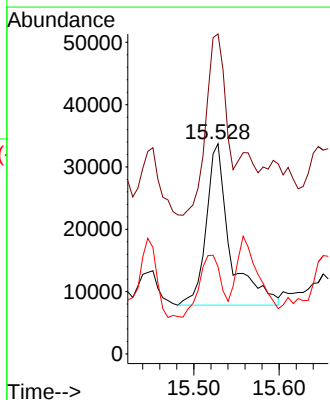
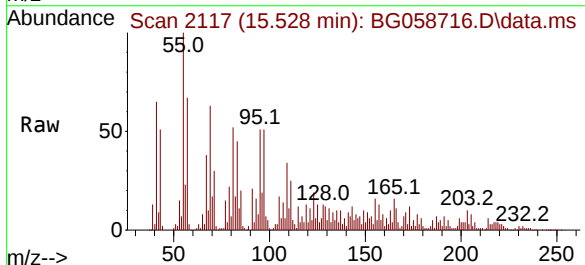
Instrument :
BNA_G
ClientSampleId :
20071DL

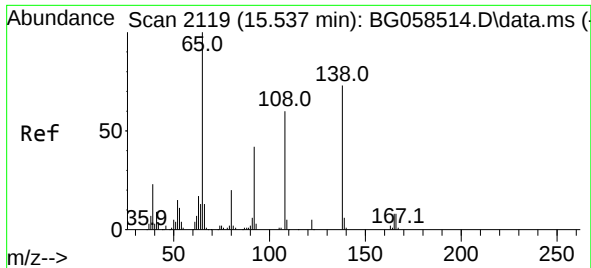
Tgt Ion:165 Resp: 14927
Ion Ratio Lower Upper
165 100
63 38.5 36.6 54.8
89 21.5 55.4 83.0#
182 11.4 1.8 2.6#



#58
Fluorene
Concen: 5.922 ng
RT: 15.528 min Scan# 2117
Delta R.T. 0.020 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:166 Resp: 50398
Ion Ratio Lower Upper
166 100
165 152.2 80.0 120.0#
167 41.5 11.3 16.9#

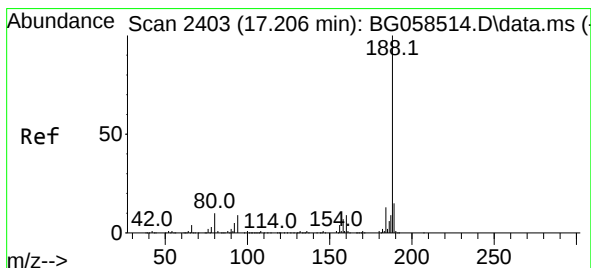
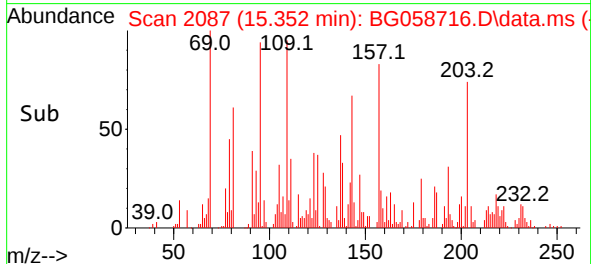
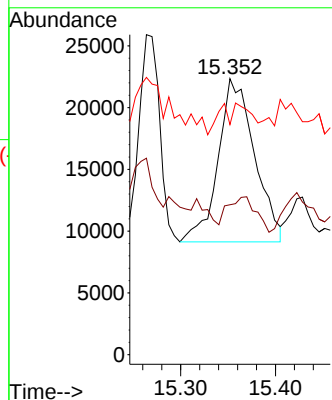
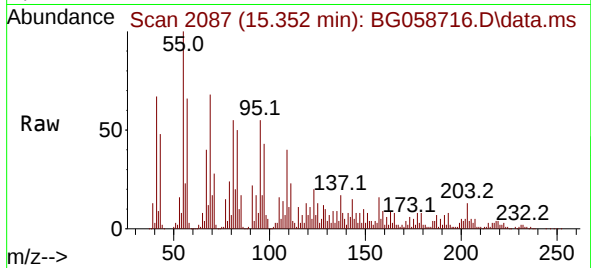




#62
4-Nitroaniline
Concen: 18.767 ng
RT: 15.352 min Scan# 2087
Delta R.T. -0.185 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

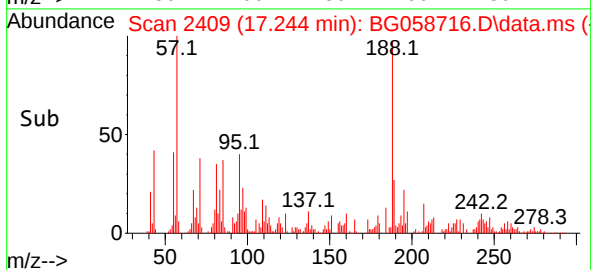
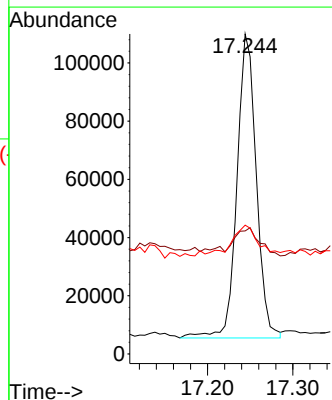
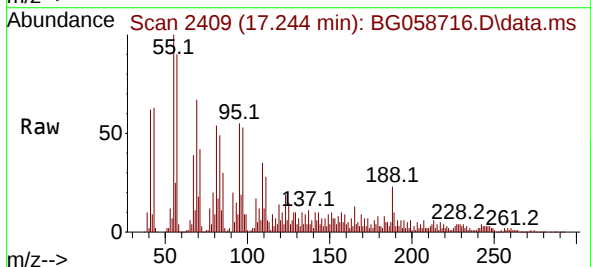
Instrument :
BNA_G
ClientSampleId :
20071DL

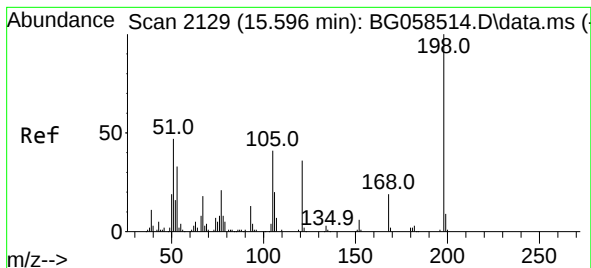
Tgt Ion:138 Resp: 35275
Ion Ratio Lower Upper
138 100
92 54.3 37.3 77.3
108 83.4 62.6 102.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.244 min Scan# 2409
Delta R.T. 0.038 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:188 Resp: 164366
Ion Ratio Lower Upper
188 100
94 38.4 7.0 10.6#
80 40.3 8.1 12.1#

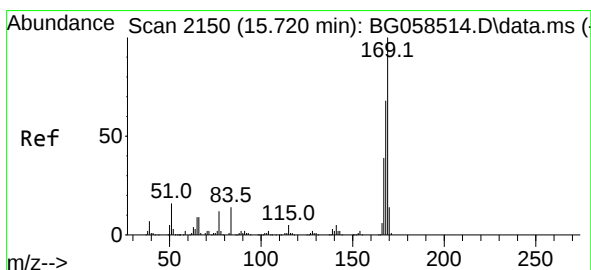
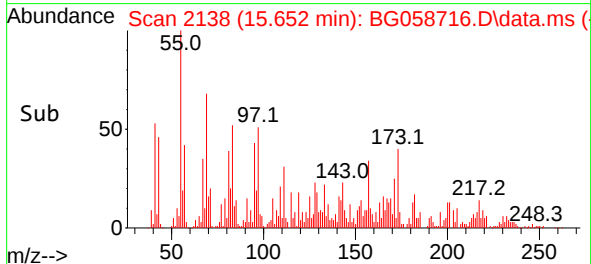
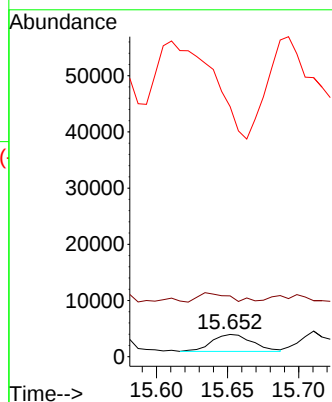
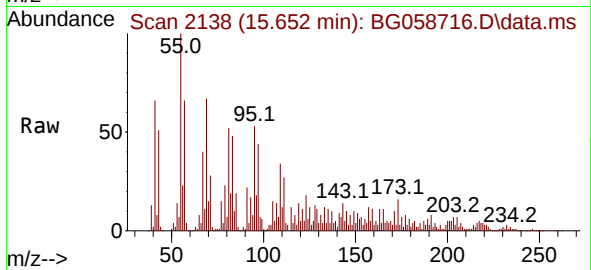




#65
4,6-Dinitro-2-methylphenol
Concen: 6.555 ng
RT: 15.652 min Scan# 2115
Delta R.T. 0.056 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

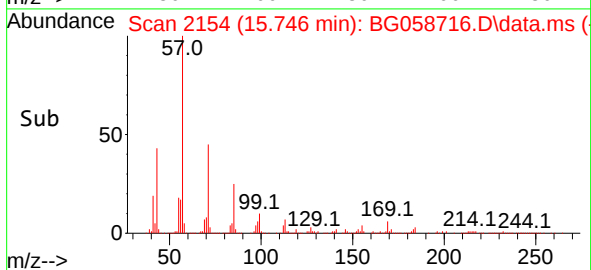
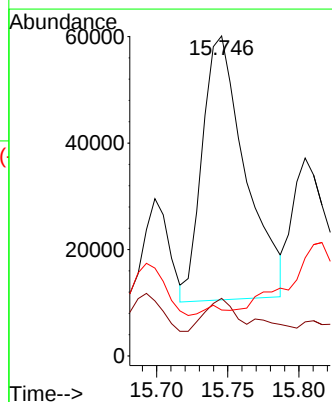
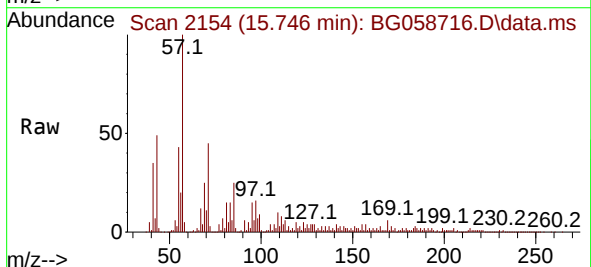
Instrument :
BNA_G
ClientSampleId :
20071DL

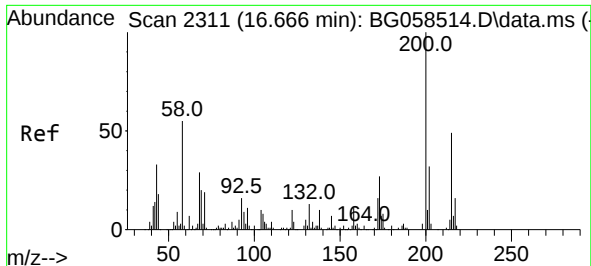
Tgt Ion:198 Resp: 5941
Ion Ratio Lower Upper
198 100
51 273.7 29.3 69.3#
105 1123.9 21.0 61.0#



#66
n-Nitrosodiphenylamine
Concen: 24.346 ng
RT: 15.746 min Scan# 2154
Delta R.T. 0.026 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:169 Resp: 104154
Ion Ratio Lower Upper
169 100
168 18.0 54.6 82.0#
167 14.3 31.3 46.9#

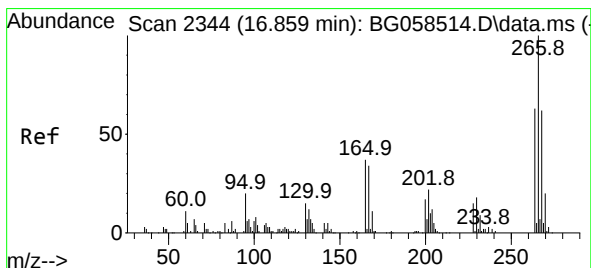
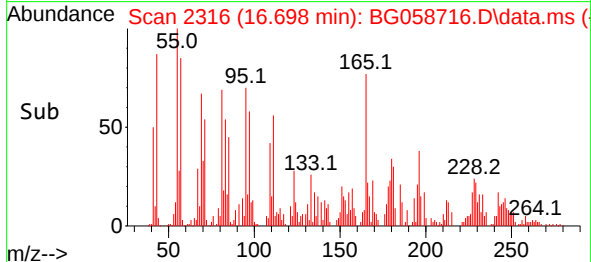
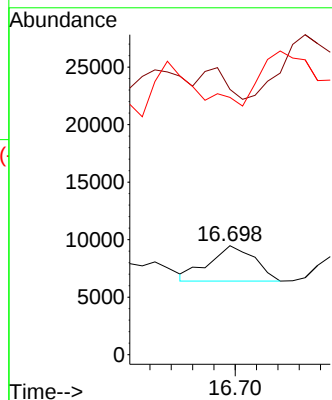
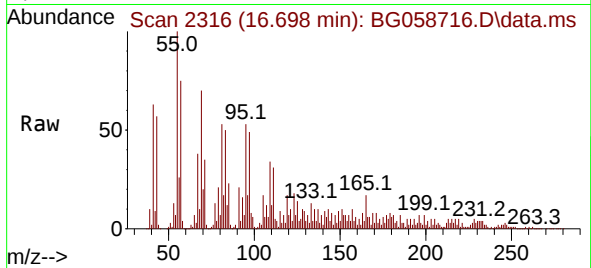




#69
 Atrazine
 Concen: 3.135 ng
 RT: 16.698 min Scan# 21
 Delta R.T. 0.032 min
 Lab File: BG058716.D
 Acq: 14 Aug 2023 10:28

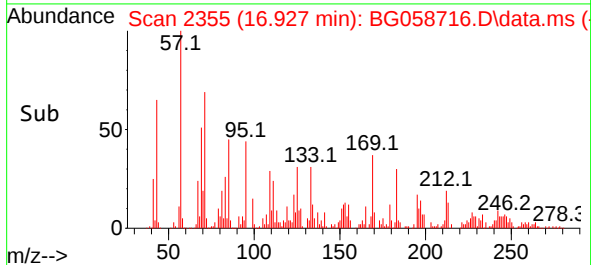
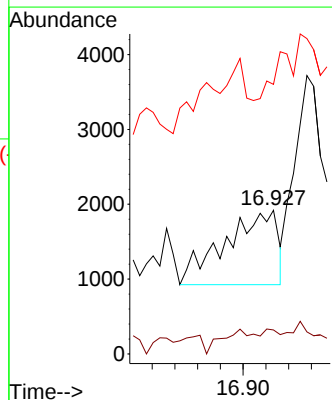
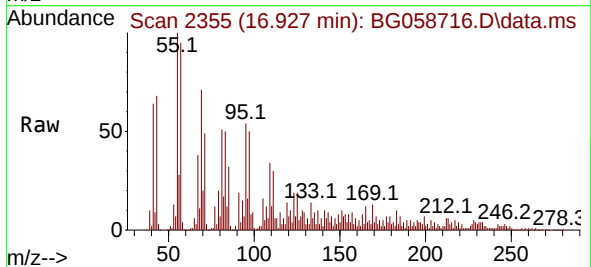
Instrument :
 BNA_G
 ClientSampleId :
 20071DL

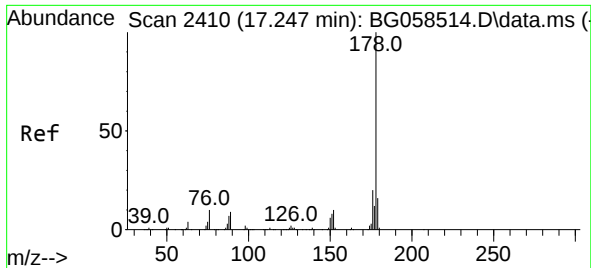
Tgt Ion:200 Resp: 4528
 Ion Ratio Lower Upper
 200 100
 173 243.5 6.5 46.5#
 215 236.1 28.9 68.9#



#70
 Pentachlorophenol
 Concen: 2.645 ng
 RT: 16.927 min Scan# 2355
 Delta R.T. 0.068 min
 Lab File: BG058716.D
 Acq: 14 Aug 2023 10:28

Tgt Ion:266 Resp: 3163
 Ion Ratio Lower Upper
 266 100
 268 16.7 49.9 74.9#
 264 187.6 50.2 75.4#

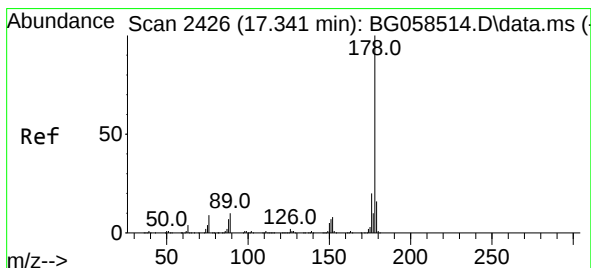
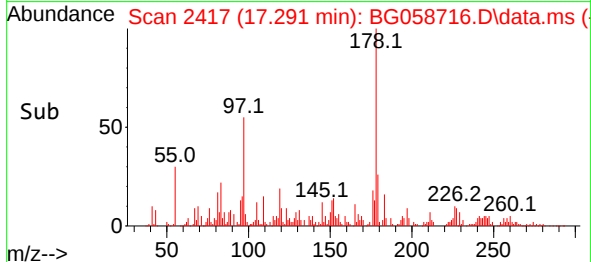
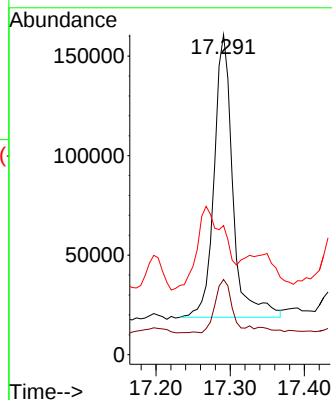
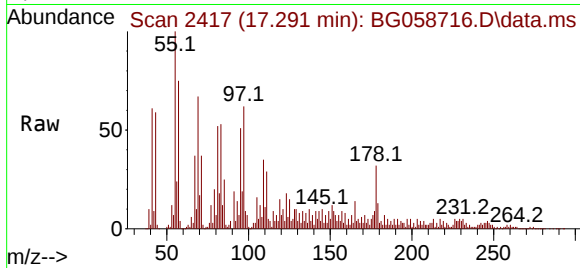




#71
Phenanthrene
Concen: 31.946 ng
RT: 17.291 min Scan# 2410
Delta R.T. 0.044 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

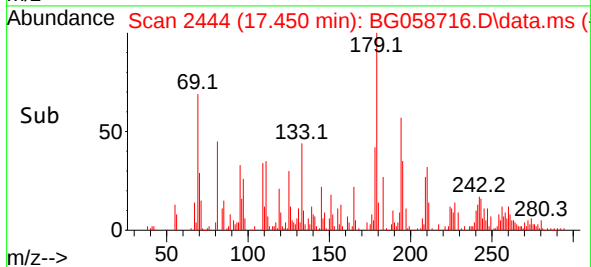
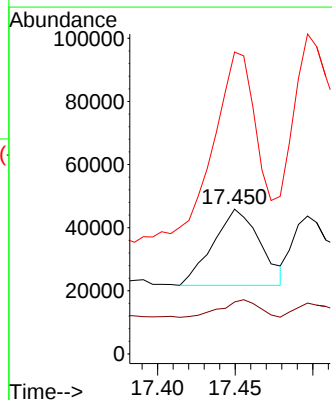
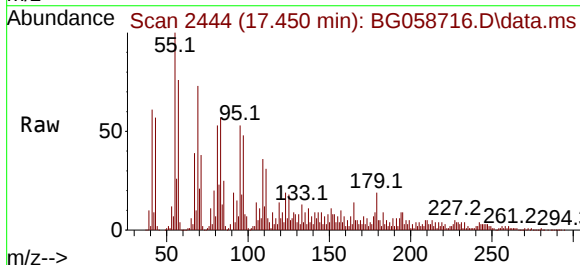
Instrument :
BNA_G
ClientSampleId :
20071DL

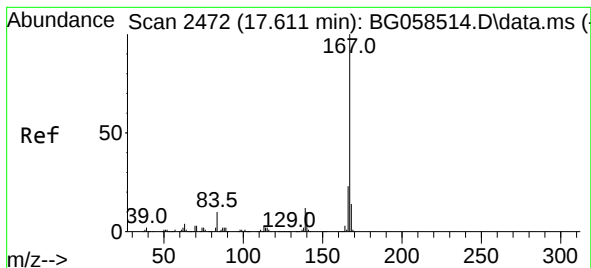
Tgt Ion:178 Resp: 249016
Ion Ratio Lower Upper
178 100
176 23.5 16.3 24.5
179 40.4 13.1 19.7#



#72
Anthracene
Concen: 6.354 ng
RT: 17.450 min Scan# 2444
Delta R.T. 0.108 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:178 Resp: 50820
Ion Ratio Lower Upper
178 100
176 35.9 16.0 24.0#
179 208.5 12.9 19.3#





#73

Carbazole

Concen: 2.174 ng

RT: 17.732 min Scan# 24

Delta R.T. 0.120 min

Lab File: BG058716.D

Acq: 14 Aug 2023 10:28

Instrument :

BNA_G

ClientSampleId :

20071DL

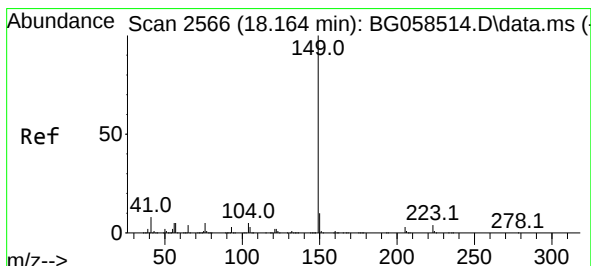
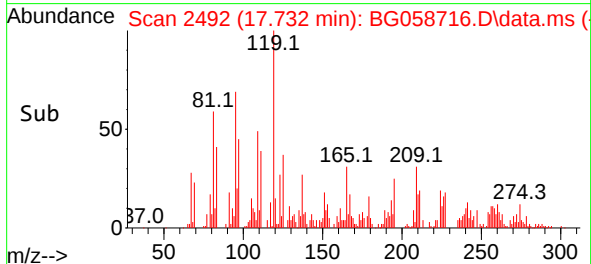
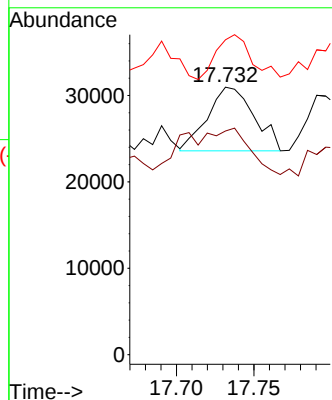
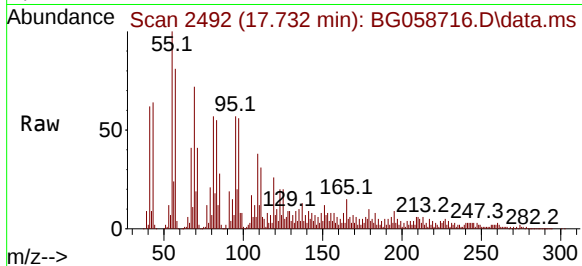
Tgt Ion:167 Resp: 15331

Ion Ratio Lower Upper

167 100

166 83.6 18.4 27.6#

139 117.7 10.0 15.0#



#74

Di-n-butylphthalate

Concen: 7.203 ng

RT: 18.202 min Scan# 2572

Delta R.T. 0.038 min

Lab File: BG058716.D

Acq: 14 Aug 2023 10:28

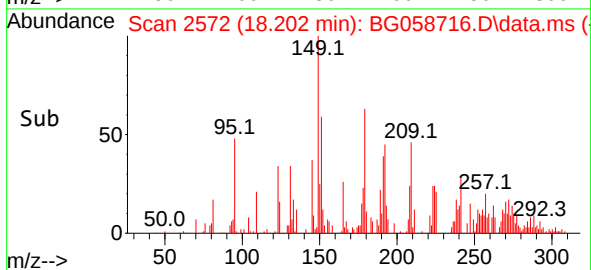
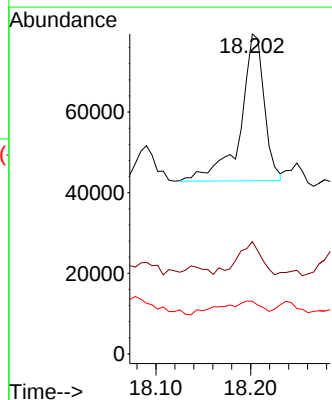
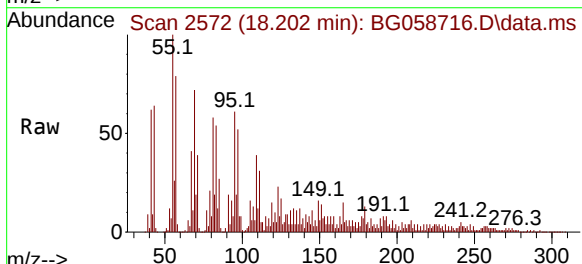
Tgt Ion:149 Resp: 63636

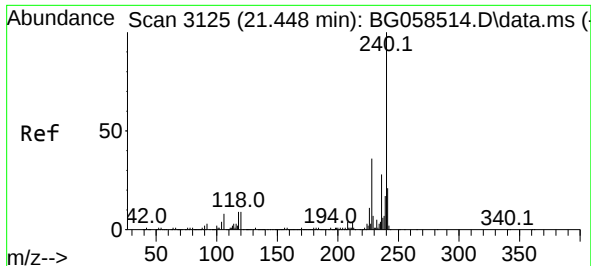
Ion Ratio Lower Upper

149 100

150 35.1 7.8 11.6#

104 16.5 4.0 6.0#

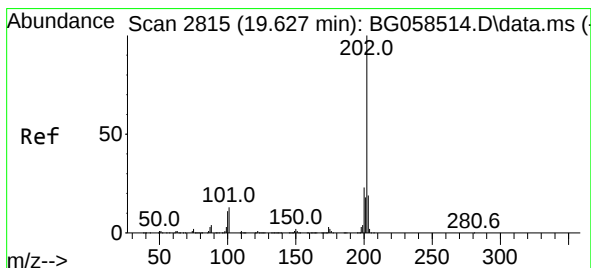
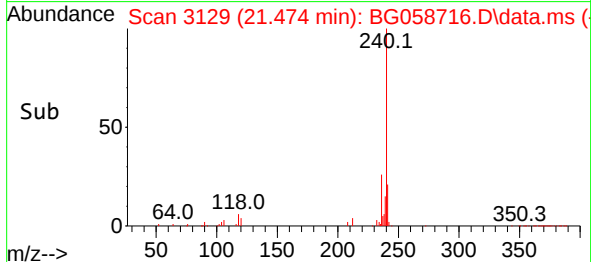
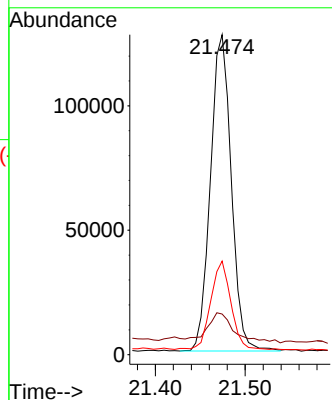
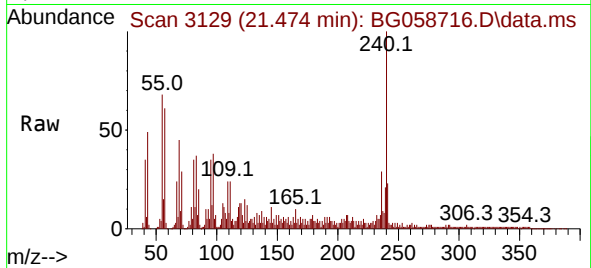




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.474 min Scan# 31
Delta R.T. 0.026 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

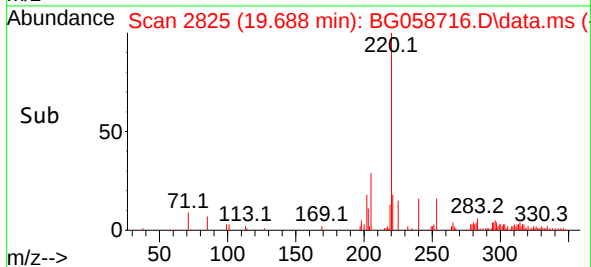
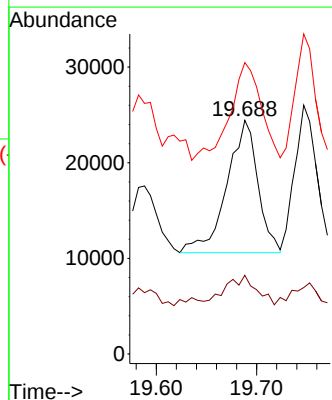
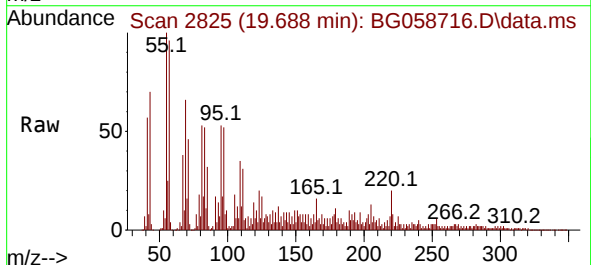
Instrument :
BNA_G
ClientSampleId :
20071DL

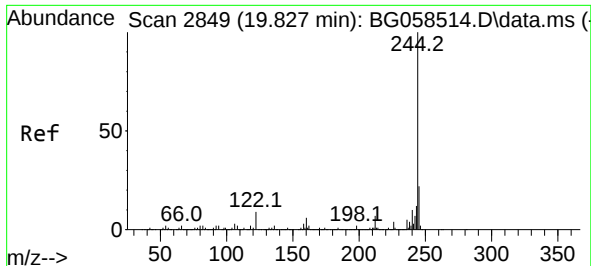
Tgt Ion:240 Resp: 205240
Ion Ratio Lower Upper
240 100
120 12.7 7.4 11.0#
236 29.3 22.2 33.4



#78
Pyrene
Concen: 2.127 ng
RT: 19.688 min Scan# 2825
Delta R.T. 0.061 min
Lab File: BG058716.D
Acq: 14 Aug 2023 10:28

Tgt Ion:202 Resp: 29709
Ion Ratio Lower Upper
202 100
200 33.7 18.2 27.2#
203 124.8 15.1 22.7#

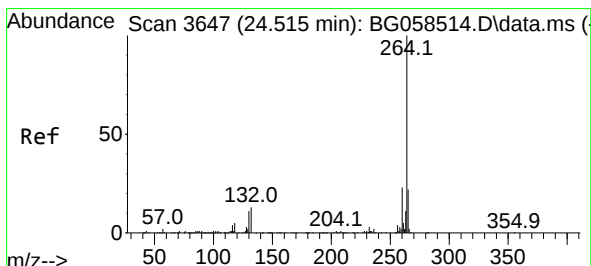
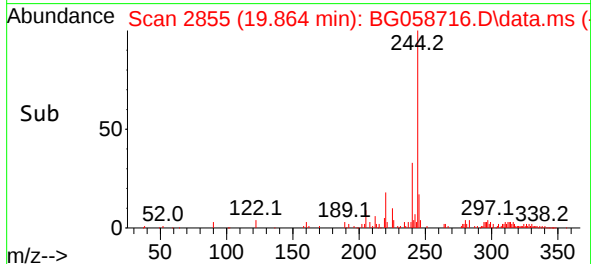
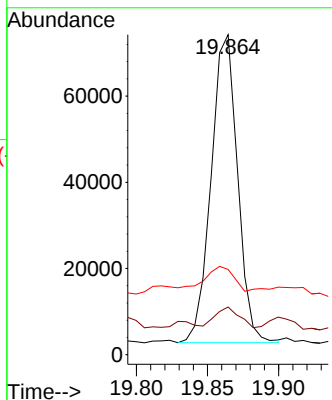
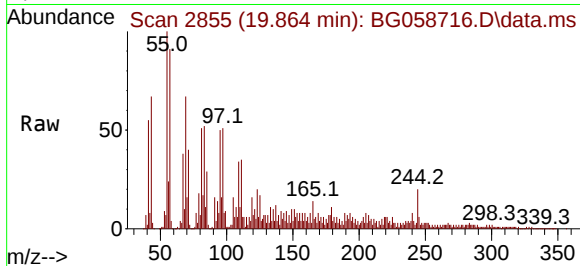




#79
 Terphenyl-d14
 Concen: 8.480 ng
 RT: 19.864 min Scan# 21
 Delta R.T. 0.038 min
 Lab File: BG058716.D
 Acq: 14 Aug 2023 10:28

Instrument :
 BNA_G
 ClientSampleId :
 20071DL

Tgt Ion:244 Resp: 92553
 Ion Ratio Lower Upper
 244 100
 212 14.9 5.9 8.9#
 122 26.7 6.8 10.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.530 min Scan# 3649
 Delta R.T. 0.014 min
 Lab File: BG058716.D
 Acq: 14 Aug 2023 10:28

Tgt Ion:264 Resp: 308098
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.4 27.6
 265 21.3 17.9 26.9

