

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081523\
 Data File : BG058734.D
 Acq On : 15 Aug 2023 16:22
 Operator : MA/JU
 Sample : 04009-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONC-COMP

Quant Time: Aug 15 16:58:38 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)

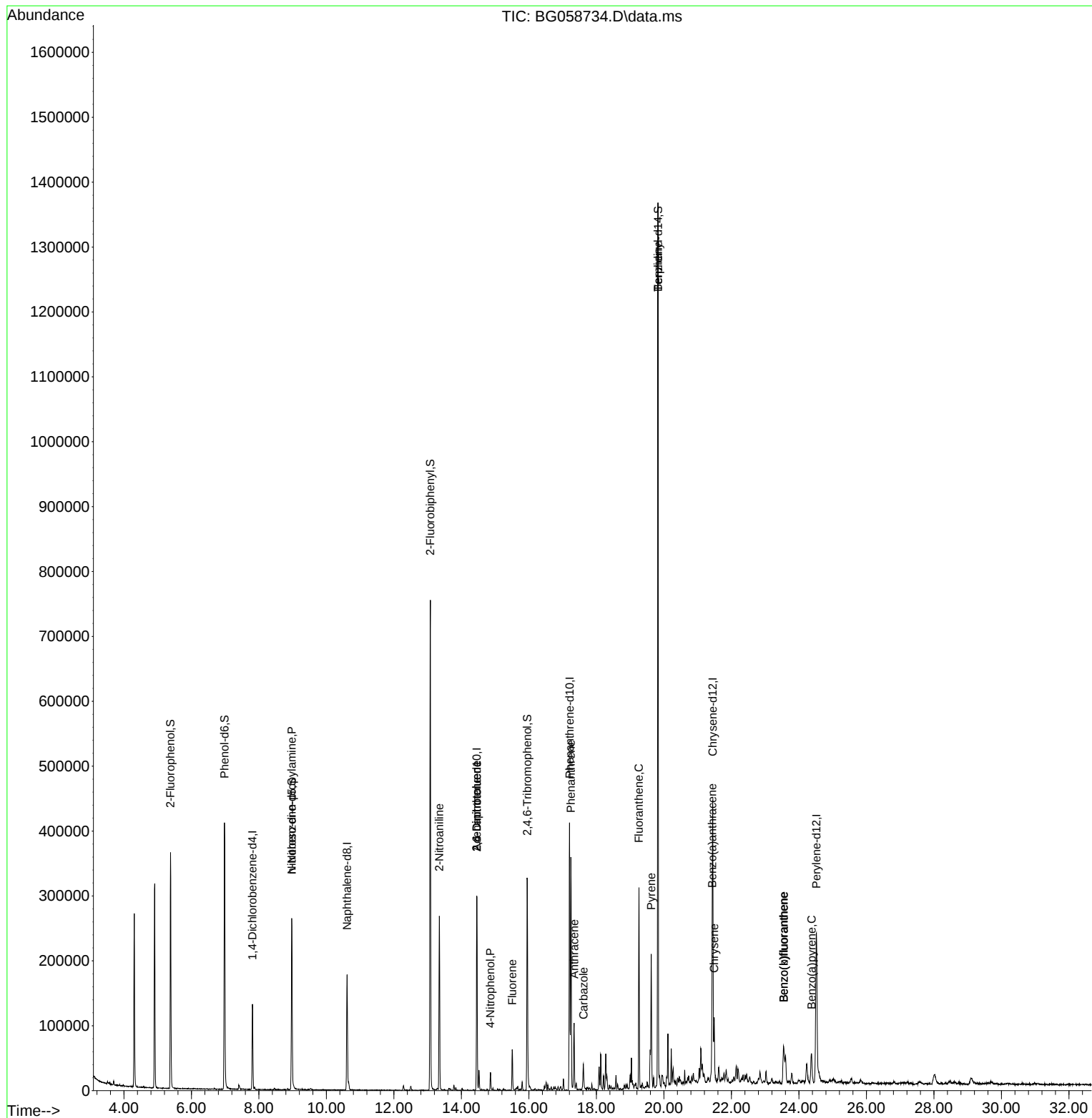
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	36254	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	156331	20.000	ng	0.00
39) Acenaphthene-d10	14.453	164	112382	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	261755	20.000	ng	0.00
76) Chrysene-d12	21.445	240	221641	20.000	ng	0.00
86) Perylene-d12	24.518	264	271124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	147958	62.379	ng	0.00
7) Phenol-d6	6.979	99	243905	73.899	ng	0.00
23) Nitrobenzene-d5	8.971	82	170401	53.547	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	76235	41.387	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	422140	56.292	ng	0.00
79) Terphenyl-d14	19.823	244	691241	58.649	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.971	70	21883	10.265	ng	# 80
48) 2-Nitroaniline	13.342	65	4719	2.055	ng	# 22
51) 2,6-Dinitrotoluene	14.453	165	14862	8.025	ng	# 22
56) 4-Nitrophenol	14.858	139	6846	8.104	ng	# 3
57) 2,4-Dinitrotoluene	14.453	165	14862	5.789	ng	# 23
58) Fluorene	15.505	166	30442	3.831	ng	98
71) Phenanthrene	17.244	178	217400	17.513	ng	99
72) Anthracene	17.338	178	65377	5.133	ng	97
73) Carbazole	17.614	167	30067	2.677	ng	97
75) Fluoranthene	19.259	202	183147	12.282	ng	99
77) Benzidine	19.823	184	9446	2.810	ng	# 96
78) Pyrene	19.623	202	132206	8.765	ng	98
81) Benzo(a)anthracene	21.427	228	84759	5.557	ng	100
83) Chrysene	21.486	228	64930	4.440	ng	97
88) Benzo(b)fluoranthene	23.548	252	73533	5.000	ng	99
89) Benzo(k)fluoranthene	23.548	252	73533	4.978	ng	99
90) Benzo(a)pyrene	24.377	252	55072	3.813	ng	98

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

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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 804
Delta R.T. -0.003 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

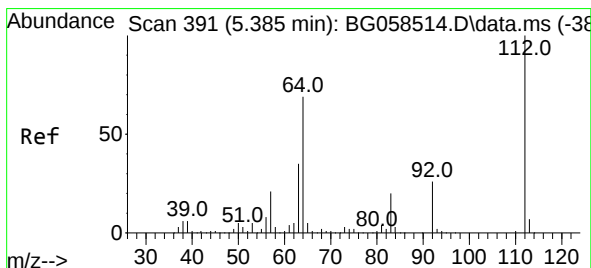
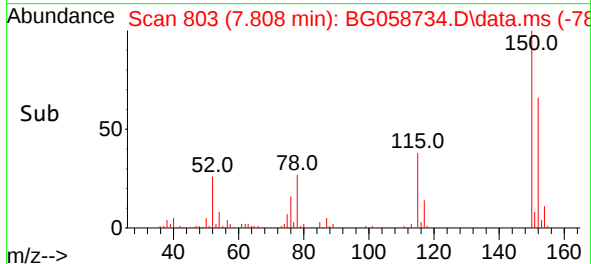
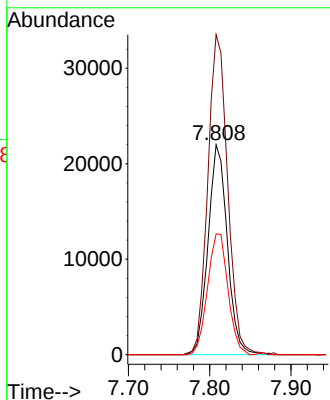
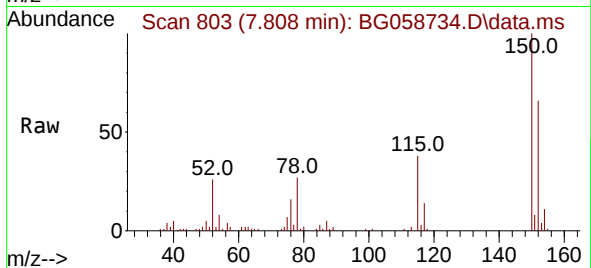
Instrument :

BNA_G

ClientSampleId :

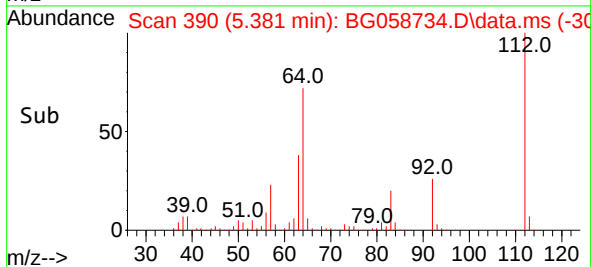
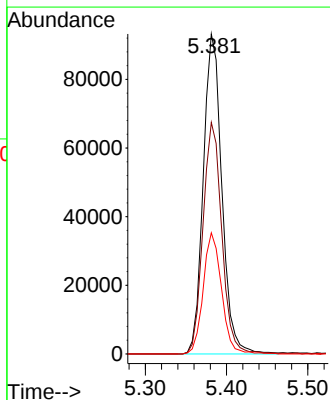
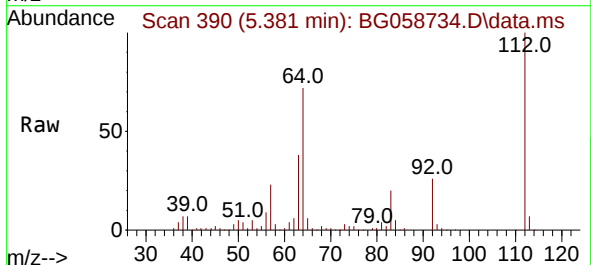
CONC-COMP

Tgt Ion:152 Resp: 36254
Ion Ratio Lower Upper
152 100
150 152.4 120.5 180.7
115 57.5 45.9 68.9



#5
2-Fluorophenol
Concen: 62.379 ng
RT: 5.381 min Scan# 390
Delta R.T. -0.003 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

Tgt Ion:112 Resp: 147958
Ion Ratio Lower Upper
112 100
64 72.4 55.3 82.9
63 37.9 28.3 42.5

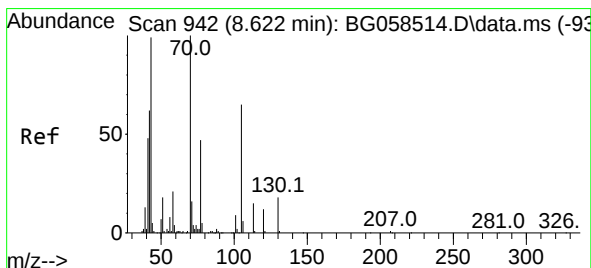
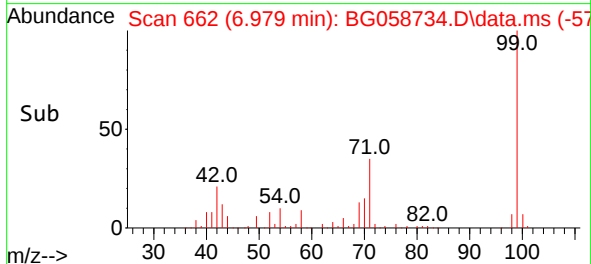
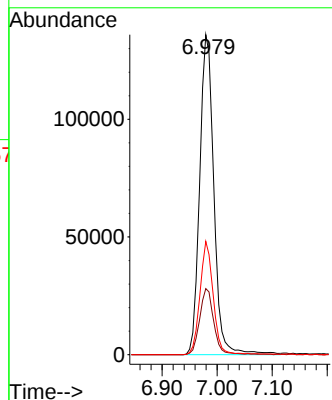
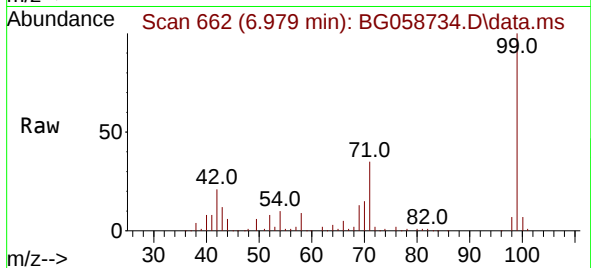




#7
Phenol-d6
Concen: 73.899 ng
RT: 6.979 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

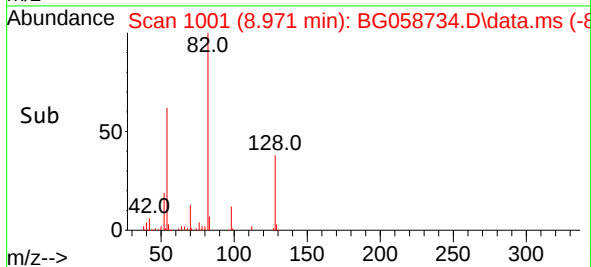
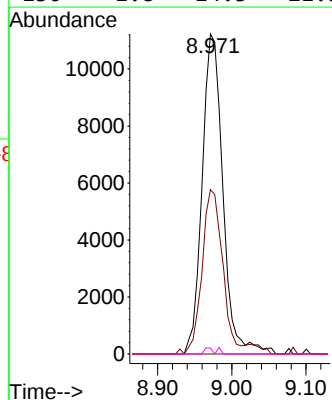
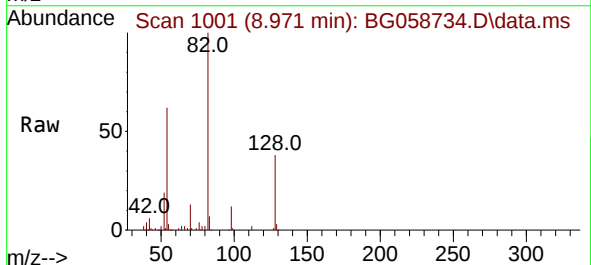
Instrument :
BNA_G
ClientSampleId :
CONC-COMP

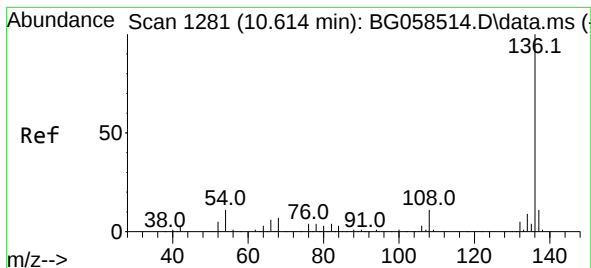
Tgt Ion: 99 Resp: 243905
Ion Ratio Lower Upper
99 100
42 20.6 14.6 21.8
71 35.4 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.265 ng
RT: 8.971 min Scan# 1001
Delta R.T. 0.349 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

Tgt Ion: 70 Resp: 21883
Ion Ratio Lower Upper
70 100
42 51.3 49.7 74.5
101 0.0 7.0 10.4#
130 1.8 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.610 min Scan# 11

Delta R.T. -0.003 min

Lab File: BG058734.D

Acq: 15 Aug 2023 16:22

Instrument :

BNA_G

ClientSampleId :

CONC-COMP

Tgt Ion:136 Resp: 156331

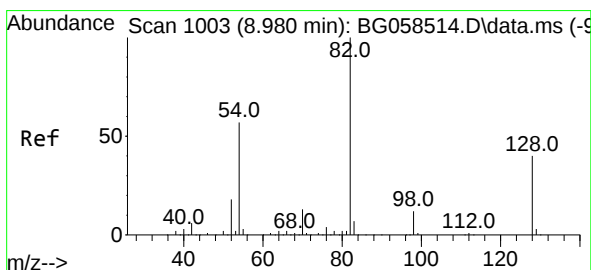
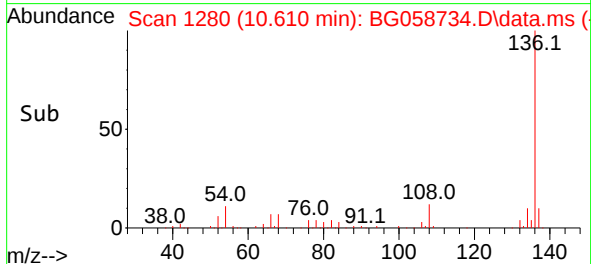
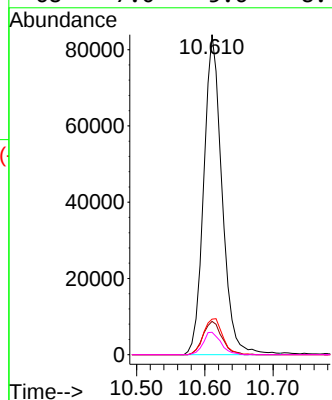
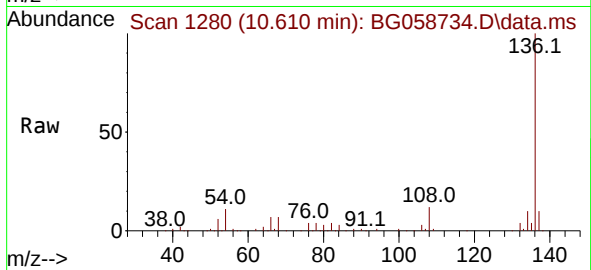
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 11.1 8.9 13.3

68 7.0 5.6 8.4



#23

Nitrobenzene-d5

Concen: 53.547 ng

RT: 8.971 min Scan# 1001

Delta R.T. -0.009 min

Lab File: BG058734.D

Acq: 15 Aug 2023 16:22

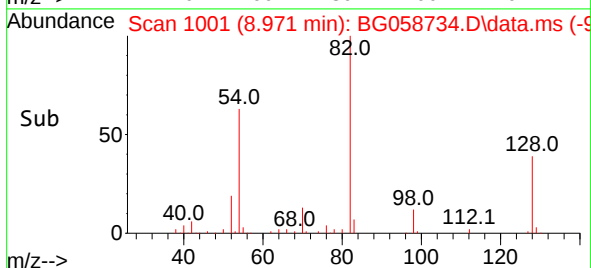
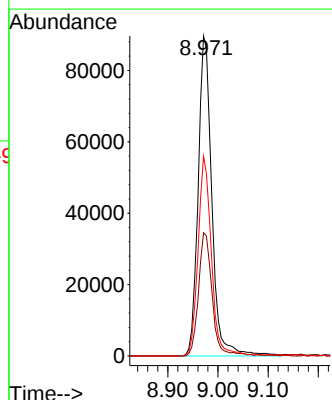
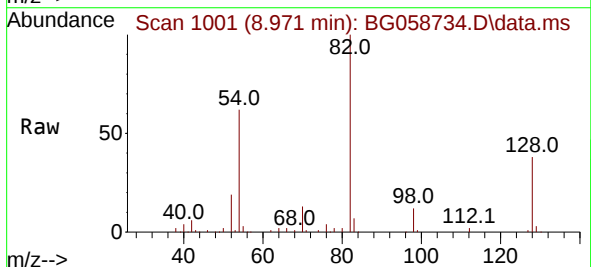
Tgt Ion: 82 Resp: 170401

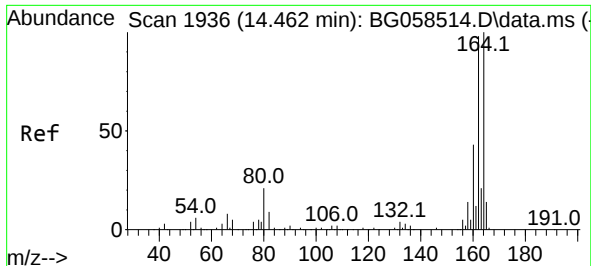
Ion Ratio Lower Upper

82 100

128 38.5 32.2 48.2

54 62.5 46.0 69.0

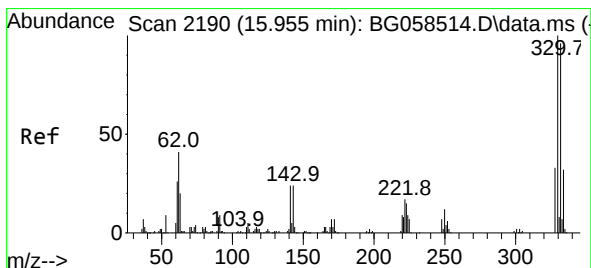
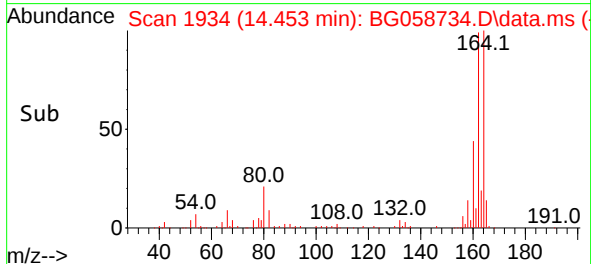
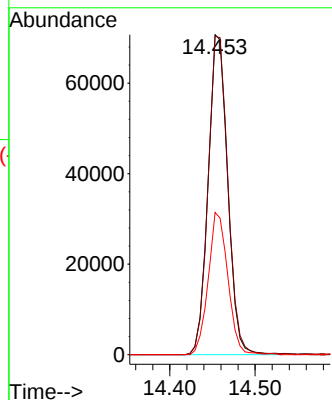
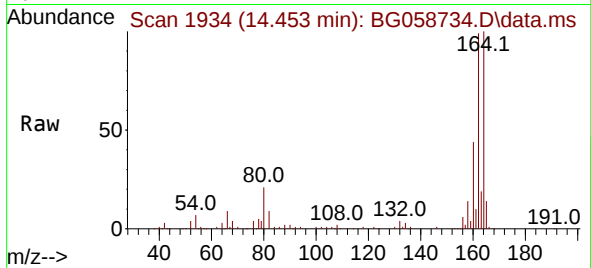




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.453 min Scan# 1934
Delta R.T. -0.009 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

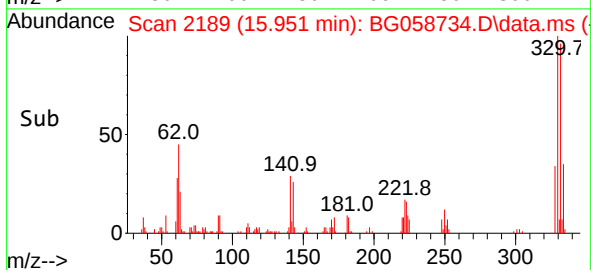
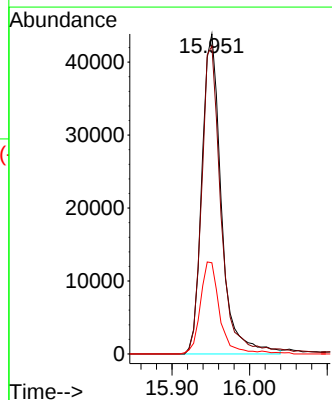
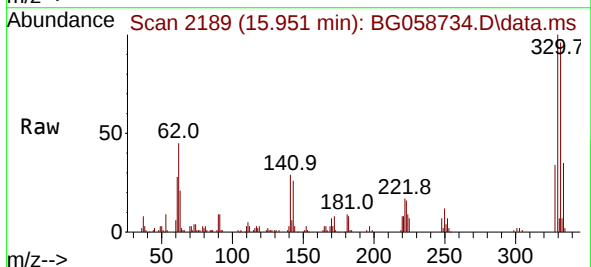
Instrument :
BNA_G
ClientSampleId :
CONC-COMP

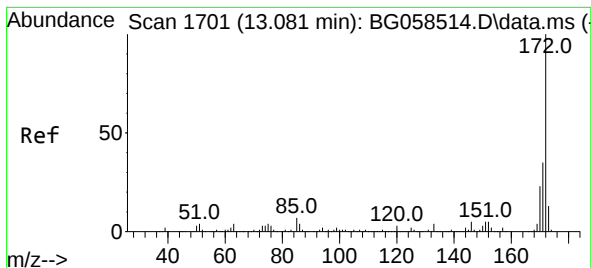
Tgt Ion:164 Resp: 112382
Ion Ratio Lower Upper
164 100
162 99.5 78.3 117.5
160 44.4 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 41.387 ng
RT: 15.951 min Scan# 2189
Delta R.T. -0.003 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

Tgt Ion:330 Resp: 76235
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 29.1 20.7 31.1

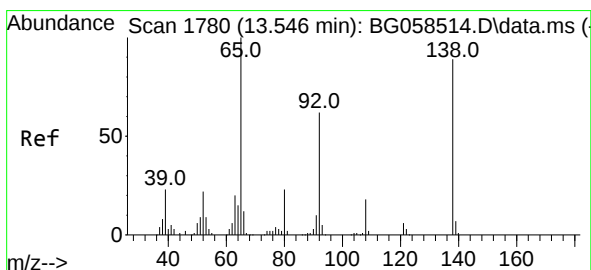
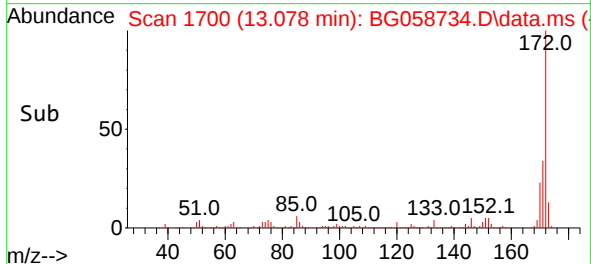
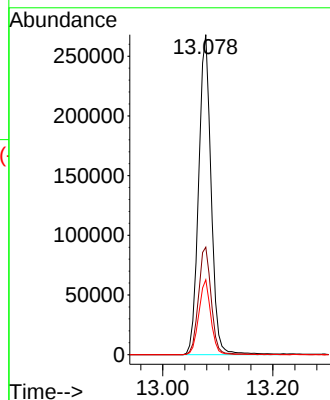
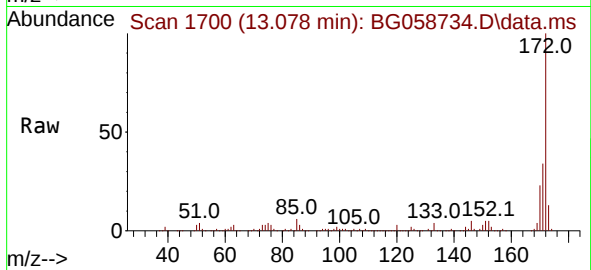




#45
2-Fluorobiphenyl
Concen: 56.292 ng
RT: 13.078 min Scan# 1700
Delta R.T. -0.003 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

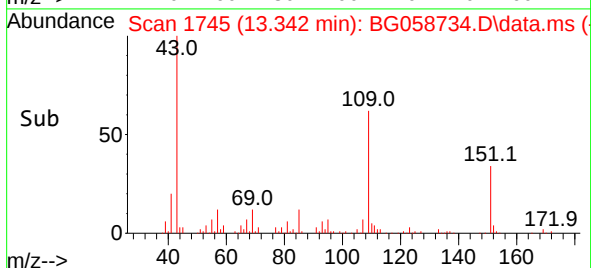
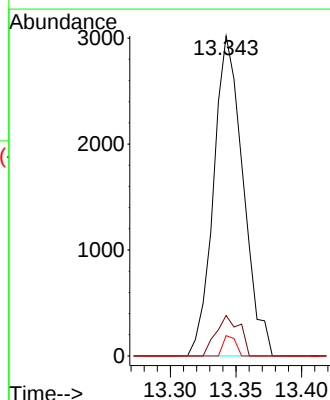
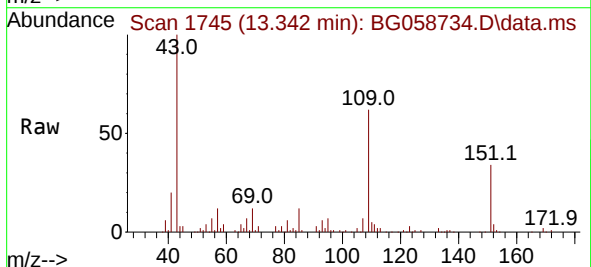
Instrument :
BNA_G
ClientSampleId :
CONC-COMP

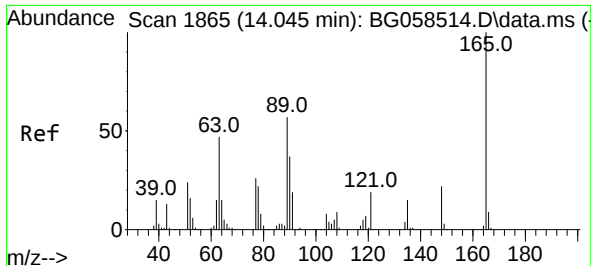
Tgt Ion:172 Resp: 422140
Ion Ratio Lower Upper
172 100
171 33.6 28.0 42.0
170 23.4 18.4 27.6



#48
2-Nitroaniline
Concen: 2.055 ng
RT: 13.342 min Scan# 1745
Delta R.T. -0.203 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

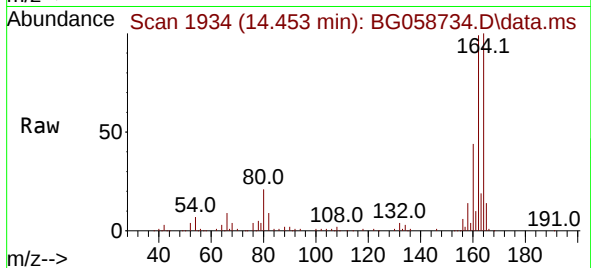
Tgt Ion: 65 Resp: 4719
Ion Ratio Lower Upper
65 100
92 12.6 49.2 73.8#
138 6.4 71.5 107.3#



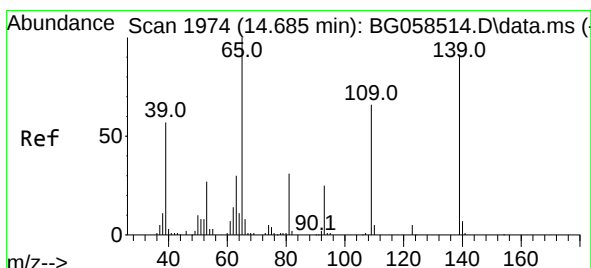
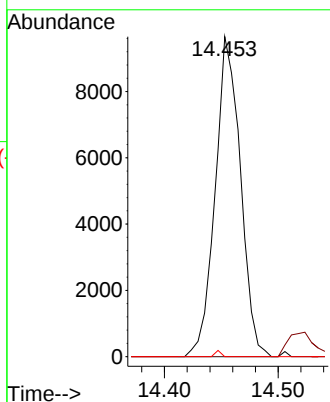
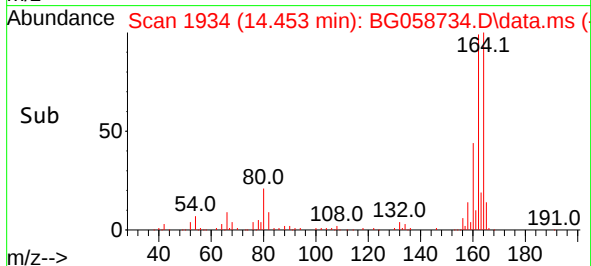


#51
2,6-Dinitrotoluene
Concen: 8.025 ng
RT: 14.453 min Scan# 1934
Delta R.T. 0.408 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

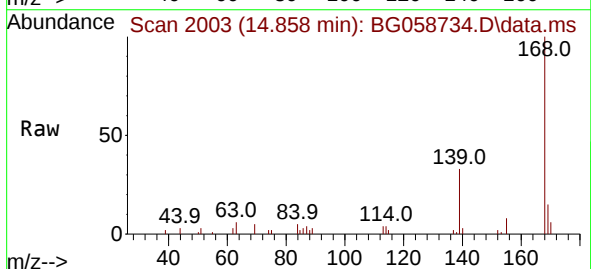
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BNA_G
ClientSampleId :
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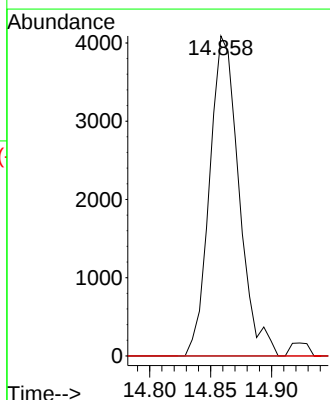
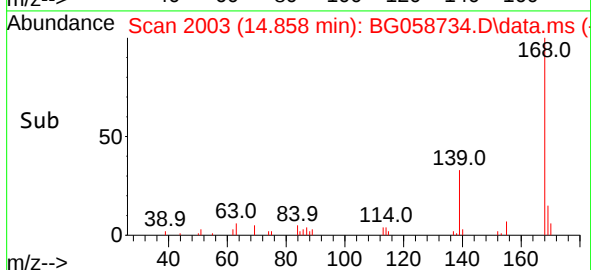
Tgt Ion:165 Resp: 14862
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.3 67.9#

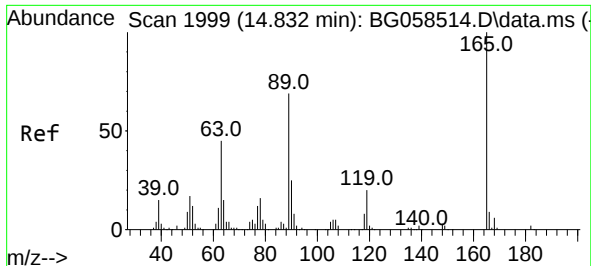


#56
4-Nitrophenol
Concen: 8.104 ng
RT: 14.858 min Scan# 2003
Delta R.T. 0.173 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22



Tgt Ion:139 Resp: 6846
Ion Ratio Lower Upper
139 100
109 0.0 52.5 92.5#
65 0.0 90.5 130.5#





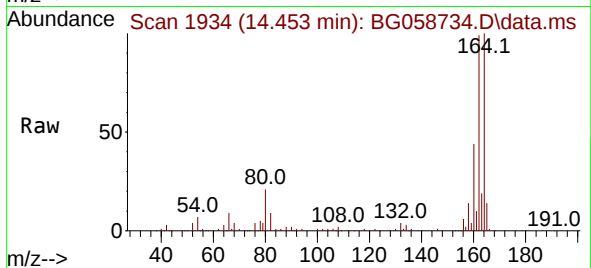
#57
2,4-Dinitrotoluene
Concen: 5.789 ng
RT: 14.453 min Scan# 1999
Delta R.T. -0.379 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

Instrument :

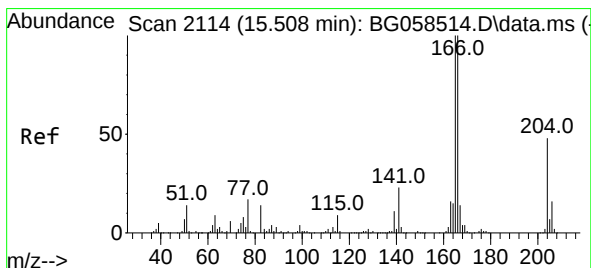
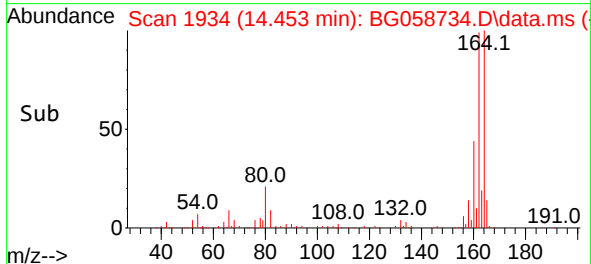
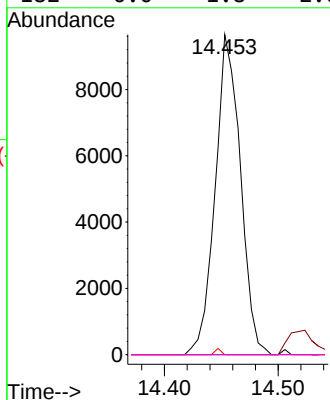
BNA_G

ClientSampleId :

CONC-COMP

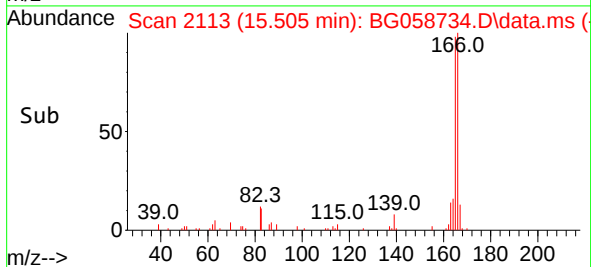
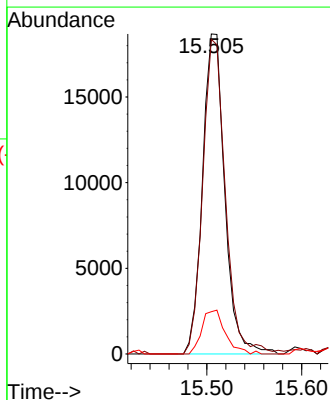
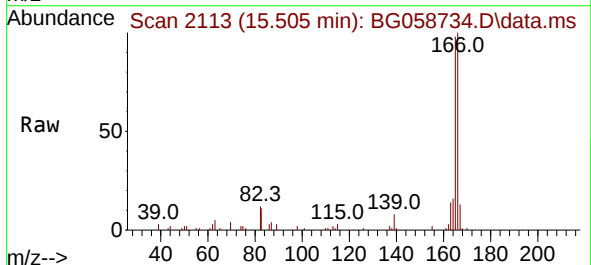


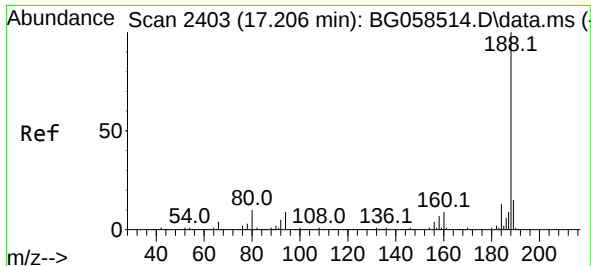
Tgt Ion:165 Resp: 14862
Ion Ratio Lower Upper
165 100
63 0.0 36.6 54.8#
89 0.0 55.4 83.0#
182 0.0 1.8 2.6#



#58
Fluorene
Concen: 3.831 ng
RT: 15.505 min Scan# 2113
Delta R.T. -0.003 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

Tgt Ion:166 Resp: 30442
Ion Ratio Lower Upper
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165 98.3 80.0 120.0
167 13.2 11.3 16.9

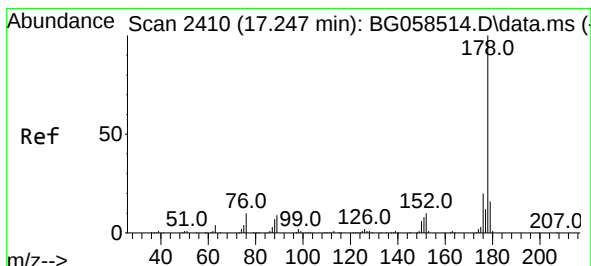
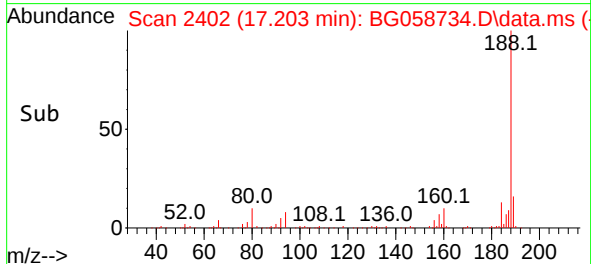
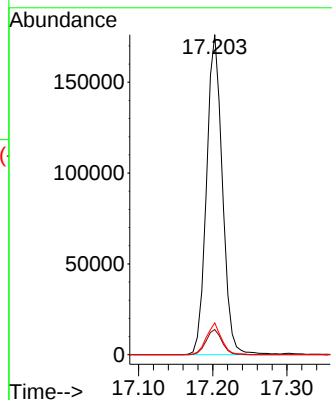
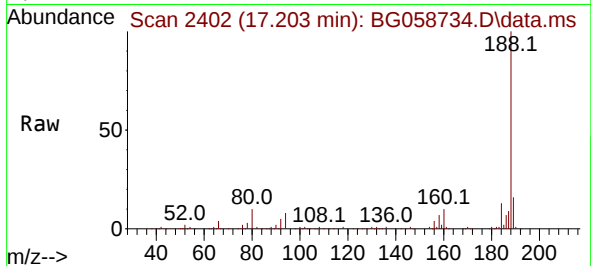




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 2402
Delta R.T. -0.003 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

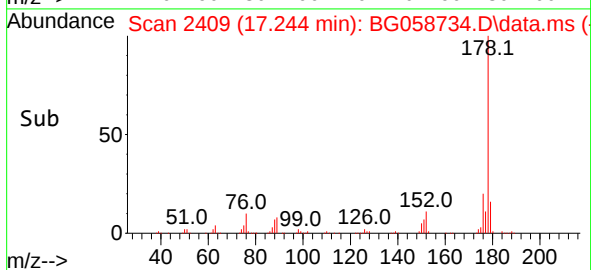
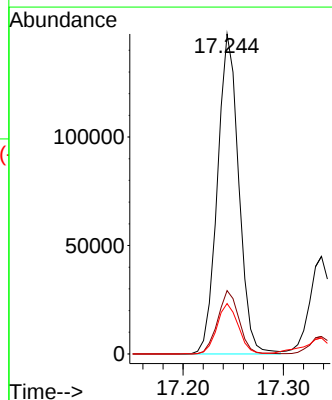
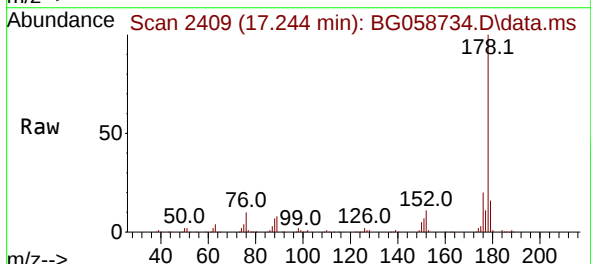
Instrument :
BNA_G
ClientSampleId :
CONC-COMP

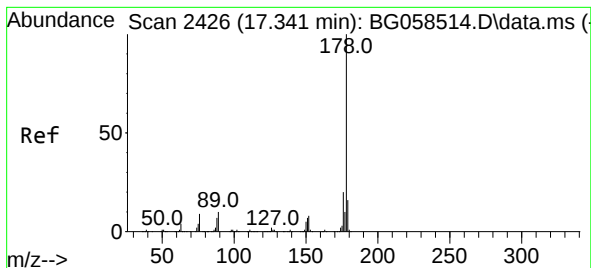
Tgt Ion:188 Resp: 261755
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.6
80 10.0 8.1 12.1



#71
Phenanthrene
Concen: 17.513 ng
RT: 17.244 min Scan# 2409
Delta R.T. -0.003 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

Tgt Ion:178 Resp: 217400
Ion Ratio Lower Upper
178 100
176 19.8 16.3 24.5
179 15.7 13.1 19.7





#72

Anthracene

Concen: 5.133 ng

RT: 17.338 min Scan# 2425

Delta R.T. -0.003 min

Lab File: BG058734.D

Acq: 15 Aug 2023 16:22

Instrument :

BNA_G

ClientSampleId :

CONC-COMP

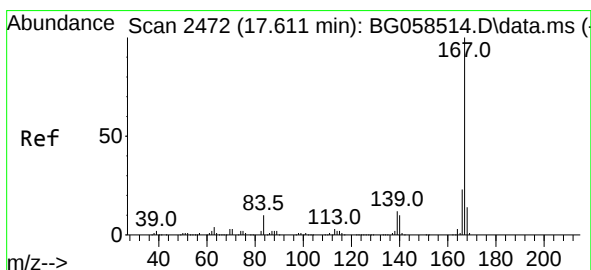
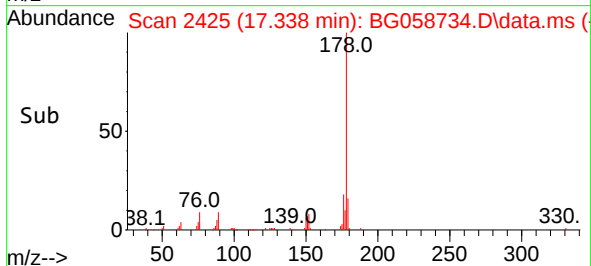
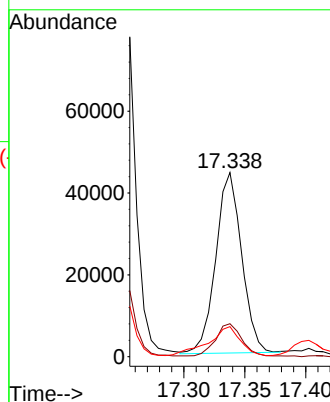
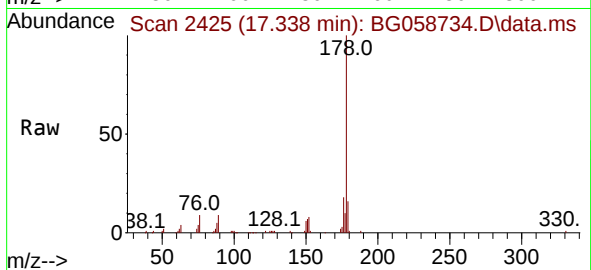
Tgt Ion:178 Resp: 65377

Ion Ratio Lower Upper

178 100

176 17.9 16.0 24.0

179 16.4 12.9 19.3



#73

Carbazole

Concen: 2.677 ng

RT: 17.614 min Scan# 2472

Delta R.T. 0.002 min

Lab File: BG058734.D

Acq: 15 Aug 2023 16:22

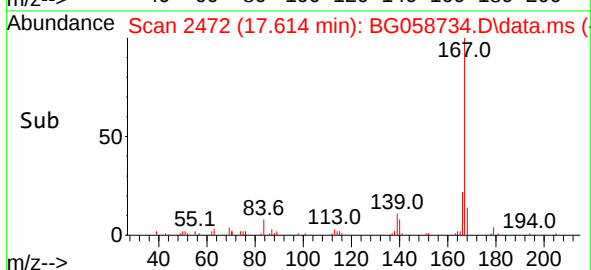
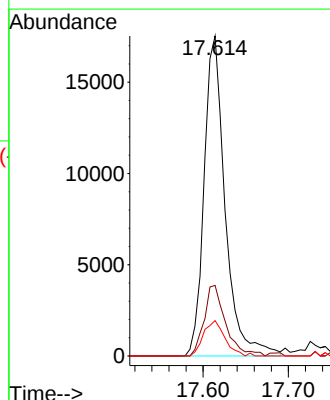
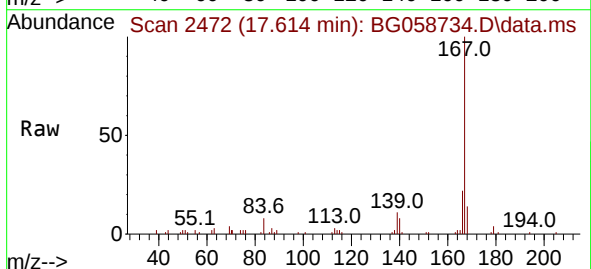
Tgt Ion:167 Resp: 30067

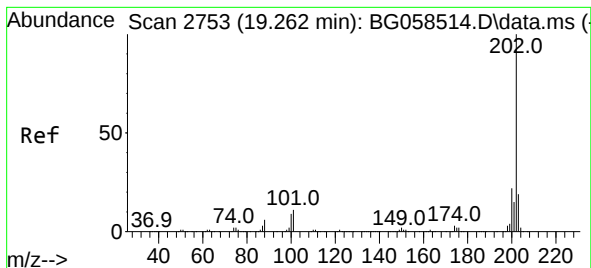
Ion Ratio Lower Upper

167 100

166 22.0 18.4 27.6

139 11.1 10.0 15.0





#75

Fluoranthene

Concen: 12.282 ng

RT: 19.259 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG058734.D

Acq: 15 Aug 2023 16:22

Instrument :

BNA_G

ClientSampleId :

CONC-COMP

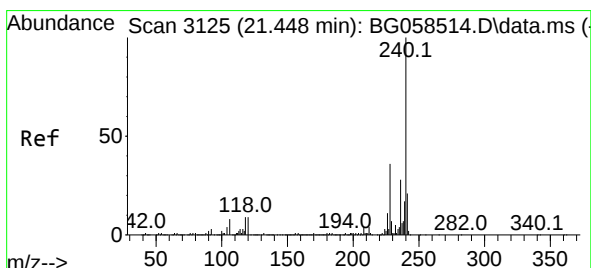
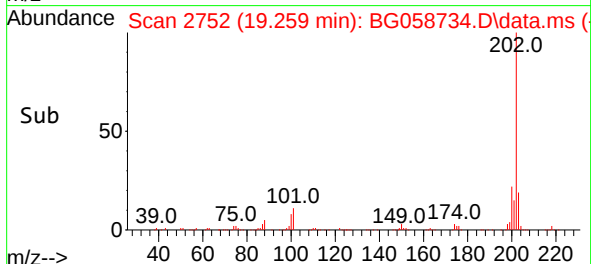
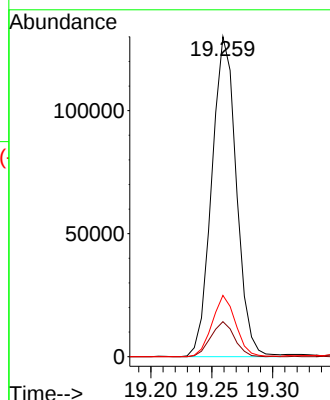
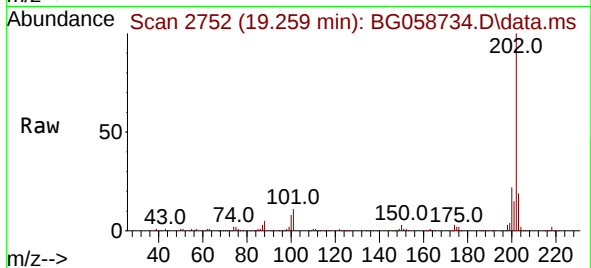
Tgt Ion:202 Resp: 183147

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

203 19.2 0.0 39.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 3124

Delta R.T. -0.003 min

Lab File: BG058734.D

Acq: 15 Aug 2023 16:22

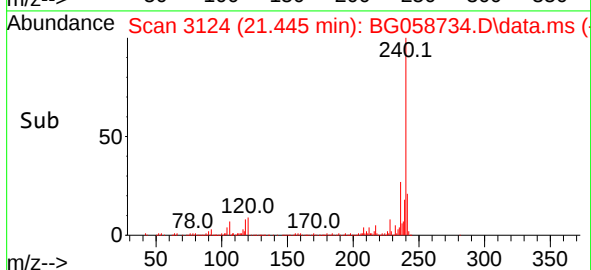
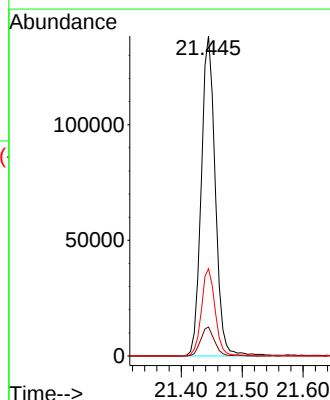
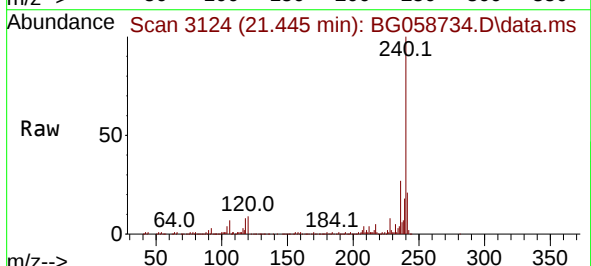
Tgt Ion:240 Resp: 221641

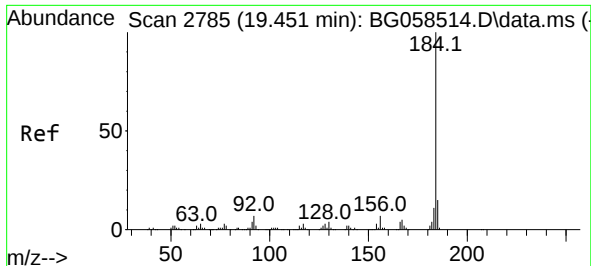
Ion Ratio Lower Upper

240 100

120 9.0 7.4 11.0

236 27.3 22.2 33.4

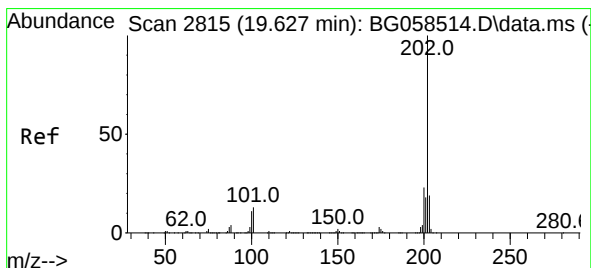
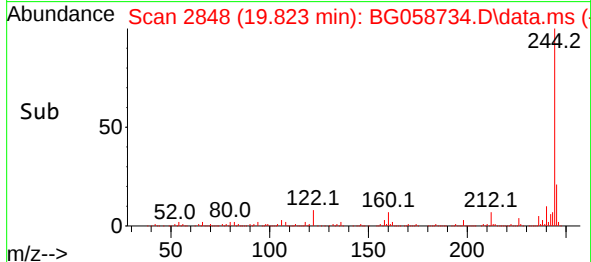
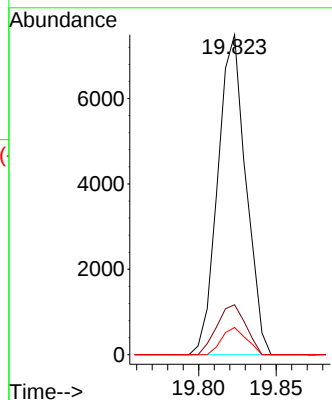
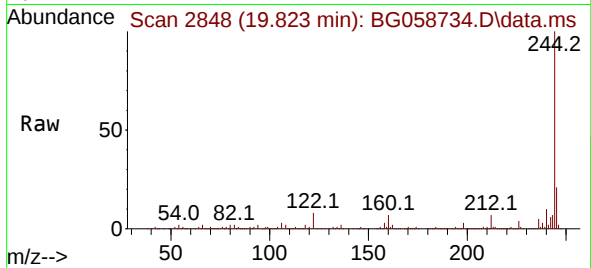




#77
Benzidine
Concen: 2.810 ng
RT: 19.823 min Scan# 2814
Delta R.T. 0.373 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

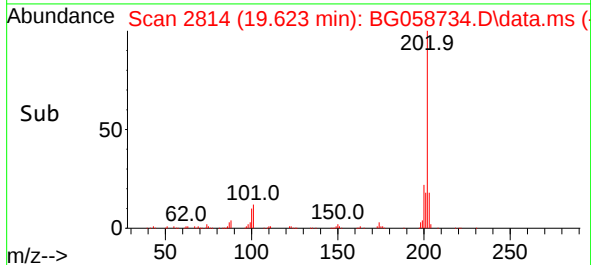
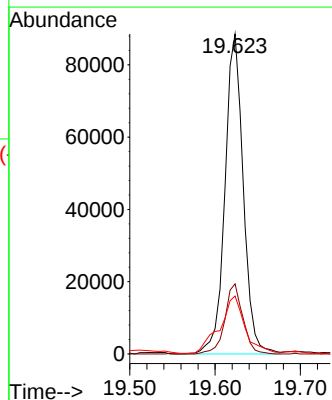
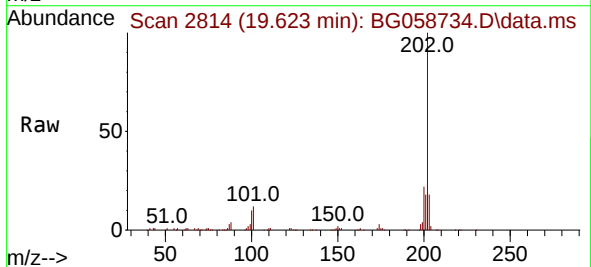
Instrument :
BNA_G
ClientSampleId :
CONC-COMP

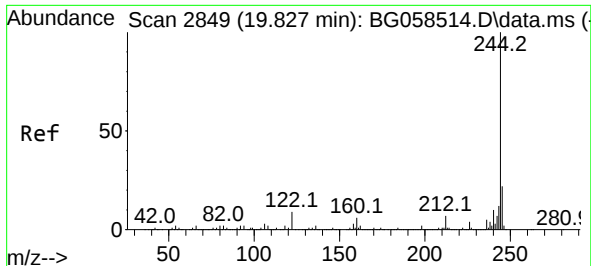
Tgt Ion:184 Resp: 9446
Ion Ratio Lower Upper
184 100
185 15.6 11.9 17.9
183 8.5 8.7 13.1#



#78
Pyrene
Concen: 8.765 ng
RT: 19.623 min Scan# 2814
Delta R.T. -0.003 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

Tgt Ion:202 Resp: 132206
Ion Ratio Lower Upper
202 100
200 21.9 18.2 27.2
203 18.1 15.1 22.7

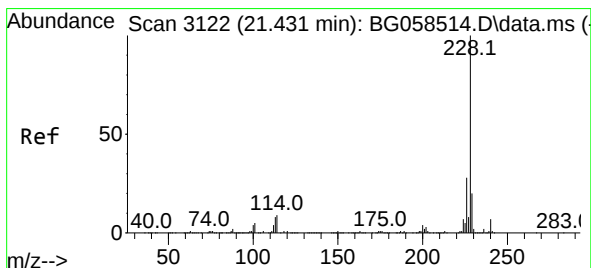
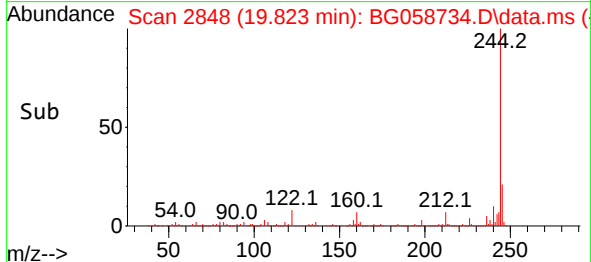
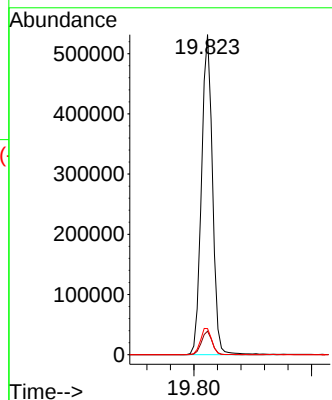
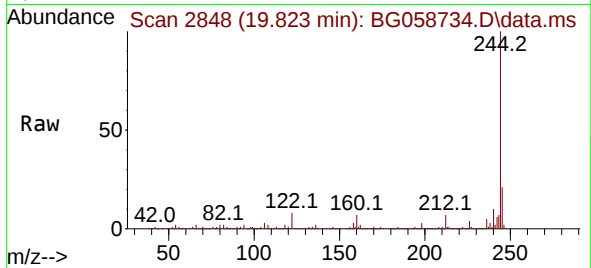




#79
 Terphenyl-d14
 Concen: 58.649 ng
 RT: 19.823 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG058734.D
 Acq: 15 Aug 2023 16:22

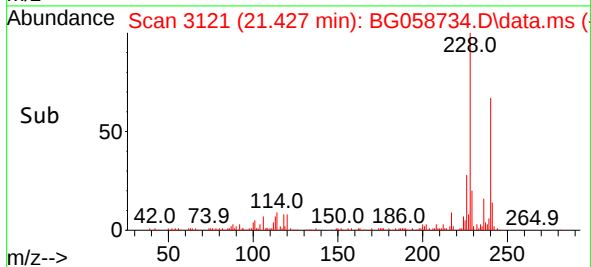
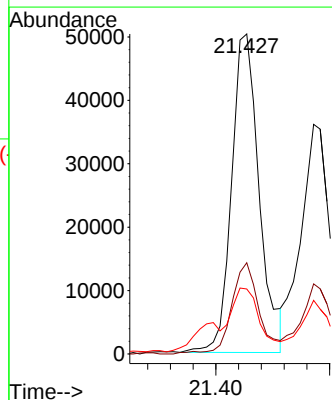
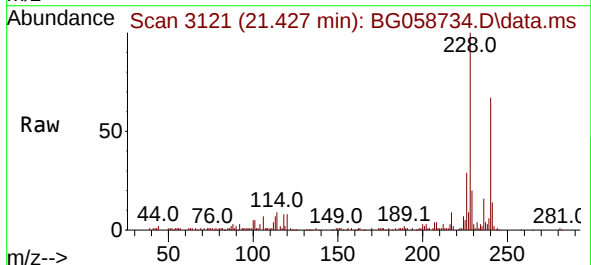
Instrument :
 BNA_G
 ClientSampleId :
 CONC-COMP

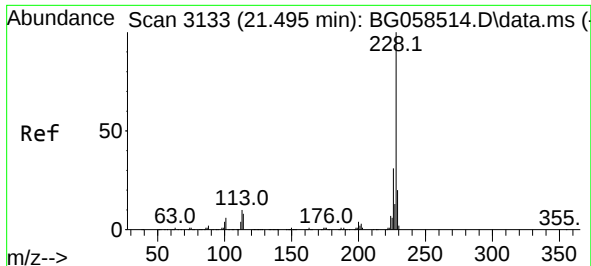
Tgt Ion:244 Resp: 691241
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 8.2 6.8 10.2



#81
 Benzo(a)anthracene
 Concen: 5.557 ng
 RT: 21.427 min Scan# 3121
 Delta R.T. -0.003 min
 Lab File: BG058734.D
 Acq: 15 Aug 2023 16:22

Tgt Ion:228 Resp: 84759
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 33.8
 229 20.3 16.3 24.5

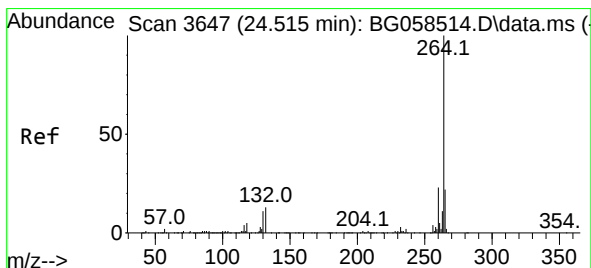
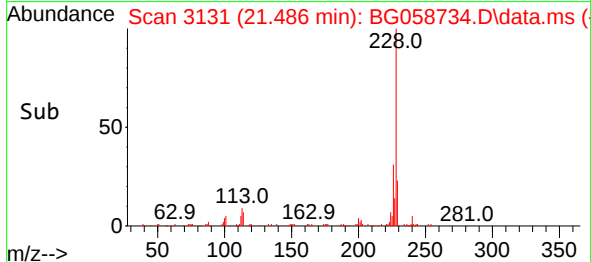
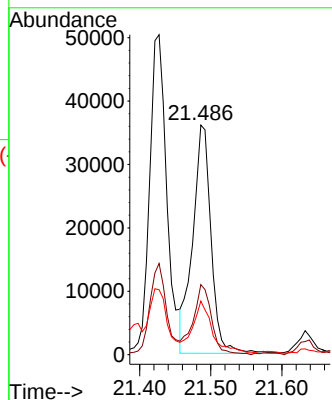
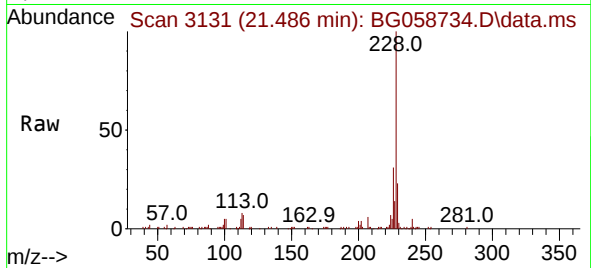




#83
Chrysene
Concen: 4.440 ng
RT: 21.486 min Scan# 3133
Delta R.T. -0.009 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

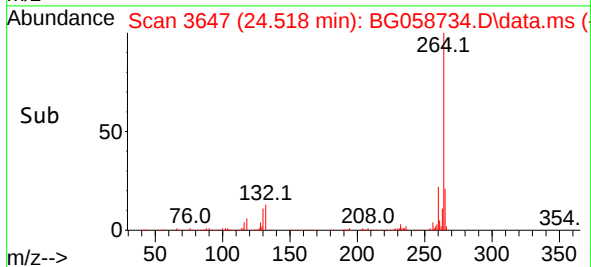
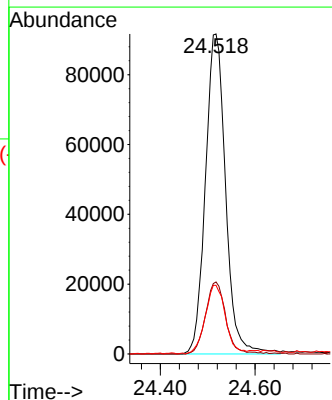
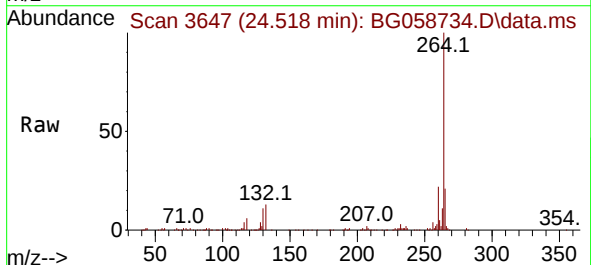
Instrument :
BNA_G
ClientSampleId :
CONC-COMP

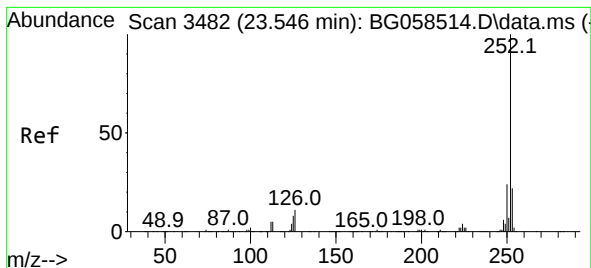
Tgt Ion:228 Resp: 64930
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 23.3 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.518 min Scan# 3647
Delta R.T. 0.002 min
Lab File: BG058734.D
Acq: 15 Aug 2023 16:22

Tgt Ion:264 Resp: 271124
Ion Ratio Lower Upper
264 100
260 22.5 18.4 27.6
265 21.5 17.9 26.9





#88

Benzo(b)fluoranthene

Concen: 5.000 ng

RT: 23.548 min Scan# 3482

Delta R.T. 0.002 min

Lab File: BG058734.D

Acq: 15 Aug 2023 16:22

Instrument :

BNA_G

ClientSampleId :

CONC-COMP

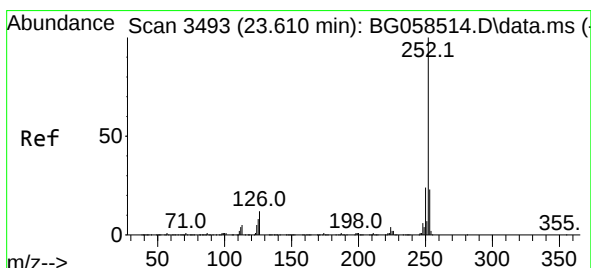
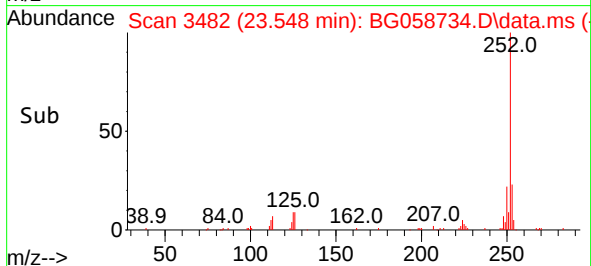
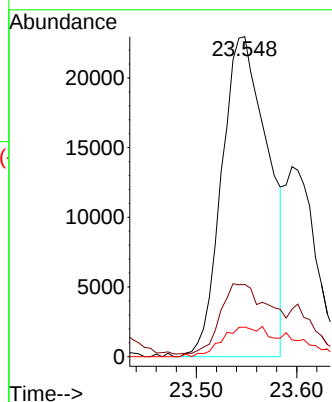
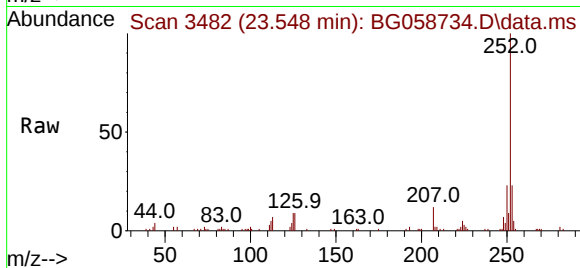
Tgt Ion:252 Resp: 73533

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 9.2 6.6 9.8



#89

Benzo(k)fluoranthene

Concen: 4.978 ng

RT: 23.548 min Scan# 3482

Delta R.T. -0.062 min

Lab File: BG058734.D

Acq: 15 Aug 2023 16:22

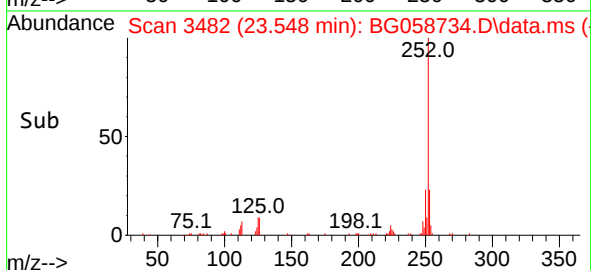
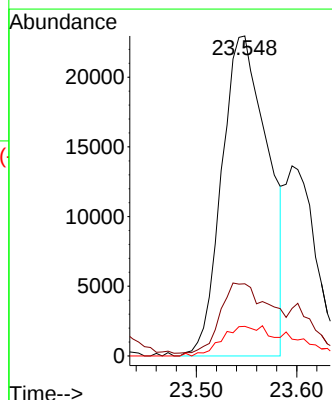
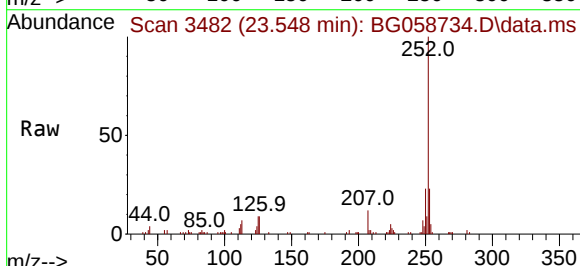
Tgt Ion:252 Resp: 73533

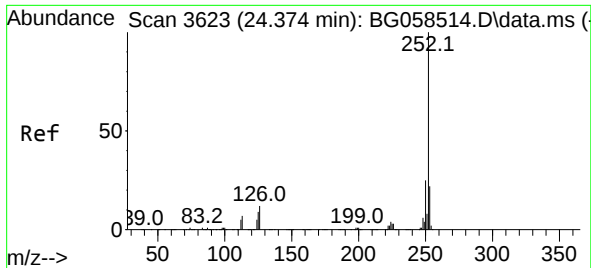
Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

125 9.2 6.6 10.0





#90
 Benzo(a)pyrene
 Concen: 3.813 ng
 RT: 24.377 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: BG058734.D
 Acq: 15 Aug 2023 16:22

Instrument :
 BNA_G
 ClientSampleId :
 CONC-COMP

Tgt Ion:252	Resp:	55072
Ion Ratio	Lower	Upper
252	100	
253	20.5	17.5 26.3
125	9.3	7.4 11.2

