

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081723\
 Data File : BG058753.D
 Acq On : 17 Aug 2023 7:41
 Operator : MA/JU
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

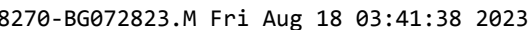
Quant Time: Aug 17 09:22:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

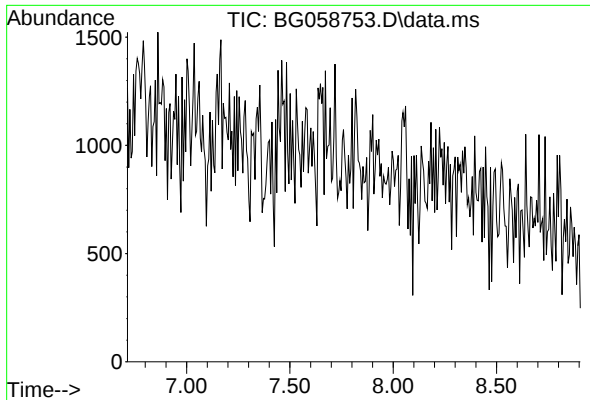
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-7.81
21) Naphthalene-d8	0.000	136	0	0.000	ng	-10.61
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-14.46
64) Phenanthrene-d10	17.201	188	1448	20.000	ng	# 0.00
76) Chrysene-d12	21.473	240	1399	20.000	ng	# 0.02
86) Perylene-d12	24.558	264	2558	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.000	ng	
7) Phenol-d6	0.000	99	0	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0	0.000	ng	
42) 2,4,6-Tribromophenol	15.968	330	345	0.000	ng	0.01
45) 2-Fluorobiphenyl	0.000	172	0	0.000	ng	
79) Terphenyl-d14	19.822	244	5308	71.350	ng	0.00
Target Compounds						Qvalue
66) n-Nitrosodiphenylamine	15.738	169	111	2.945	ng	# 23
69) Atrazine	16.861	200	17710	1392.034	ng	# 35
70) Pentachlorophenol	16.861	266	91859	8720.446	ng	99
71) Phenanthrene	17.254	178	2174	31.658	ng	# 73
72) Anthracene	17.360	178	1226	17.400	ng	# 59
73) Carbazole	17.636	167	6962	112.047	ng	# 76
74) Di-n-butylphthalate	18.171	149	1019	13.093	ng	# 77
75) Fluoranthene	19.270	202	1712	20.755	ng	80
77) Benzidine	19.452	184	583301	27495.388	ng	98
78) Pyrene	19.628	202	3897	40.931	ng	# 93
80) Butylbenzylphthalate	20.515	149	544	13.910	ng	# 23
81) Benzo(a)anthracene	21.455	228	1318	13.690	ng	# 50
82) 3,3'-Dichlorobenzidine	21.402	252	368	11.305	ng	# 24
83) Chrysene	21.514	228	1560	16.900	ng	# 89
84) Bis(2-ethylhexyl)phtha...	21.332	149	3102	54.278	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.083	276	2856	16.783	ng	# 61
88) Benzo(b)fluoranthene	23.582	252	1547	11.150	ng	# 60
89) Benzo(k)fluoranthene	23.635	252	1464	10.504	ng	# 81
90) Benzo(a)pyrene	24.416	252	1779	13.057	ng	# 60
91) Dibenzo(a,h)anthracene	28.124	278	3250	23.097	ng	# 86
92) Benzo(g,h,i)perylene	29.158	276	3203	22.700	ng	# 84

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

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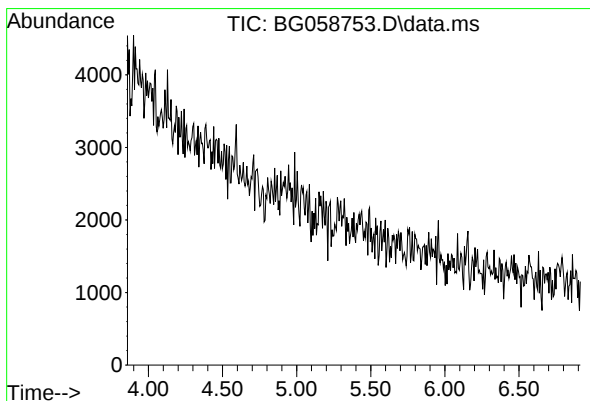
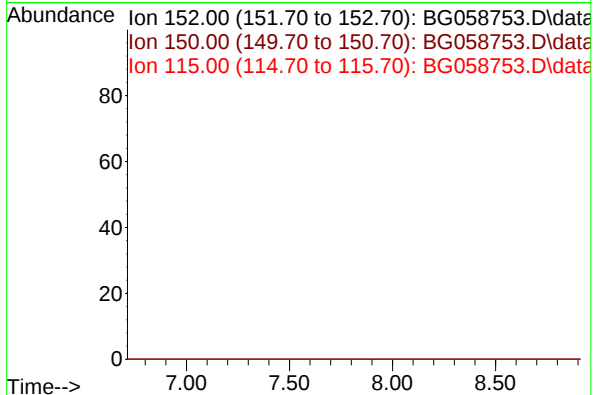
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 7.81 min

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Tgt Ion: 152

Sig	Exp Ratio
152	100
150	150.6
115	57.4

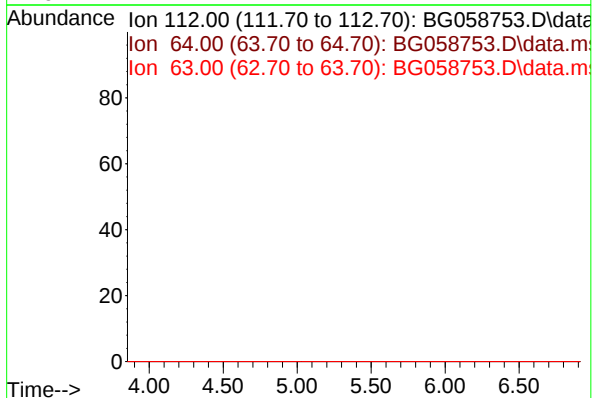


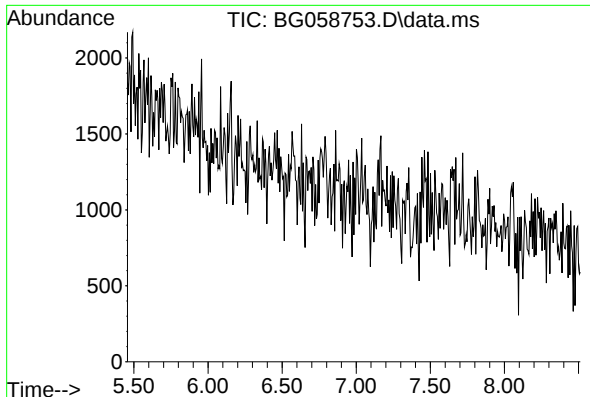
#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.38 min

 Lab File: BG058753.D
 Acq: 17 Aug 2023 7:41

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	69.1
63	35.4



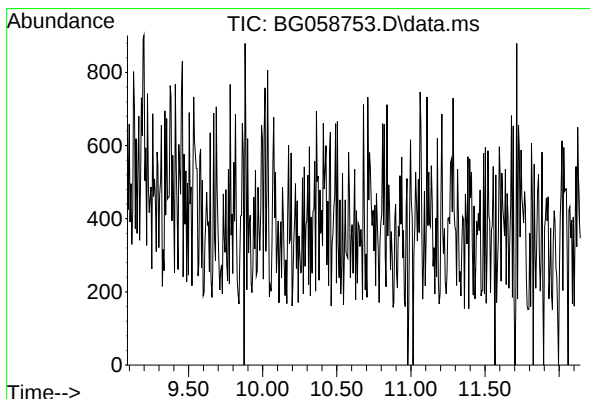
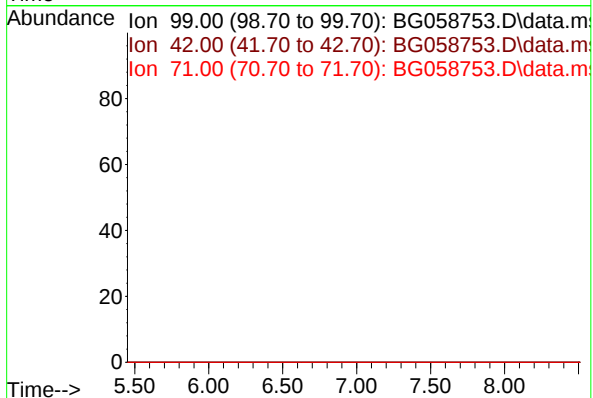


#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.98 min
 Lab File: BG058753.D
 Acq: 17 Aug 2023 7:41

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tgt Ion: 99

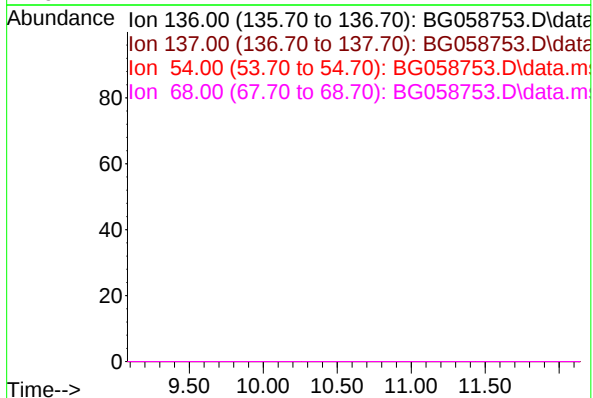
Sig	Exp Ratio
99	100
42	18.2
71	31.2

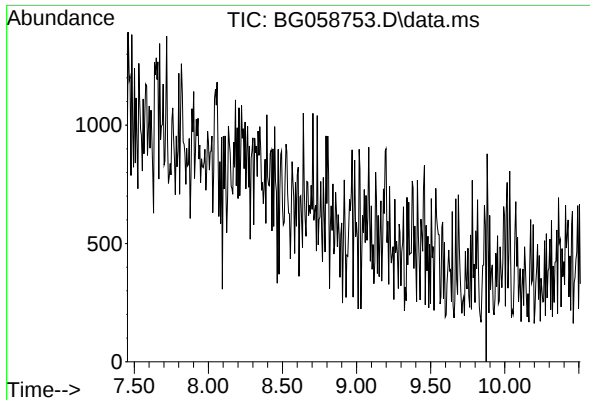


#21
 Naphthalene-d8
 Concen: 0.000 ng
 Expected RT: 10.61 min
 Lab File: BG058753.D
 Acq: 17 Aug 2023 7:41

Tgt Ion: 136

Sig	Exp Ratio
136	100
137	10.8
54	11.1
68	7.0

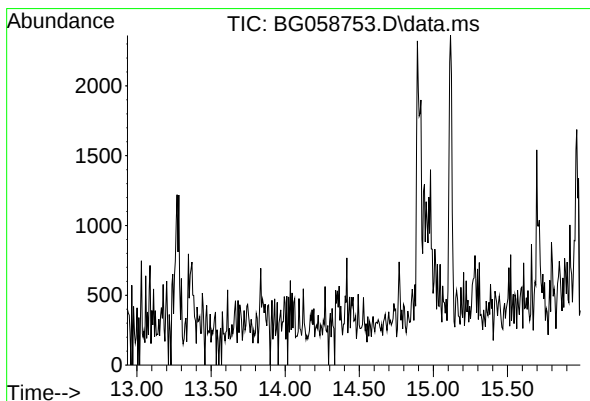
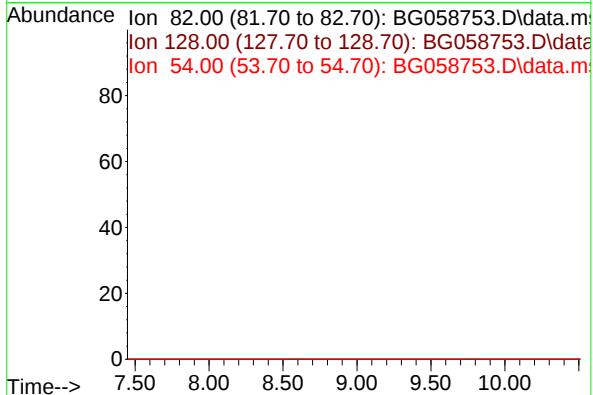




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.98 min
 Lab File: BG058753.D
 Acq: 17 Aug 2023 7:41

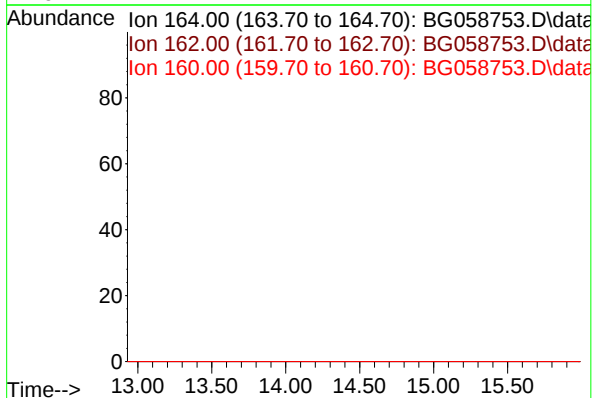
Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tgt Ion: 82
 Sig Exp Ratio
 82 100
 128 40.2
 54 57.5



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.46 min
 Lab File: BG058753.D
 Acq: 17 Aug 2023 7:41

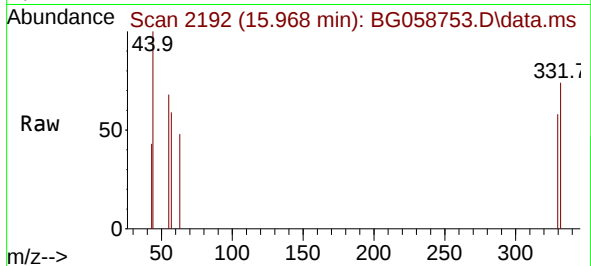
Tgt Ion: 164
 Sig Exp Ratio
 164 100
 162 97.9
 160 42.6



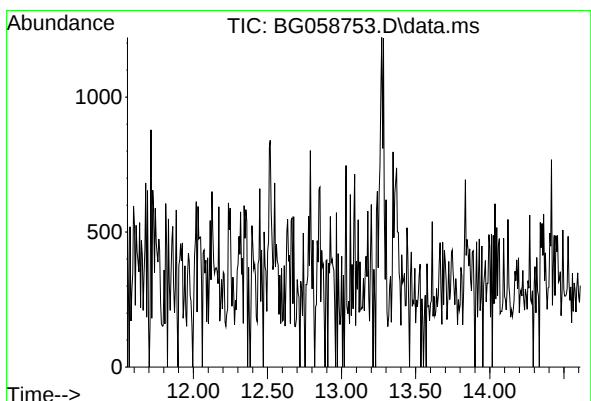
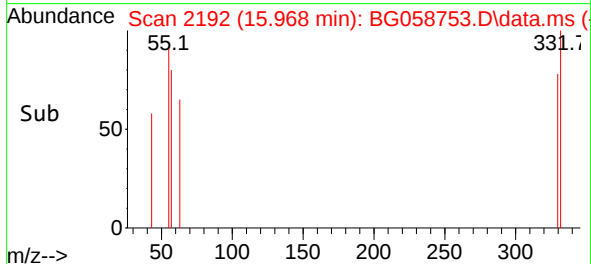
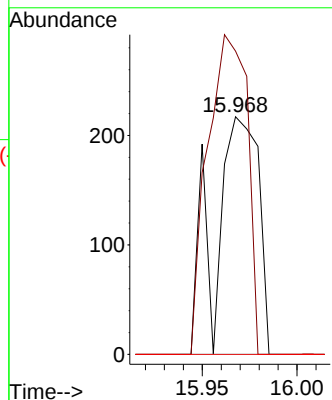


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
RT: 15.968 min Scan# 21
Delta R.T. 0.013 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

Instrument :
BNA_G
ClientSampleId :
DFTPP



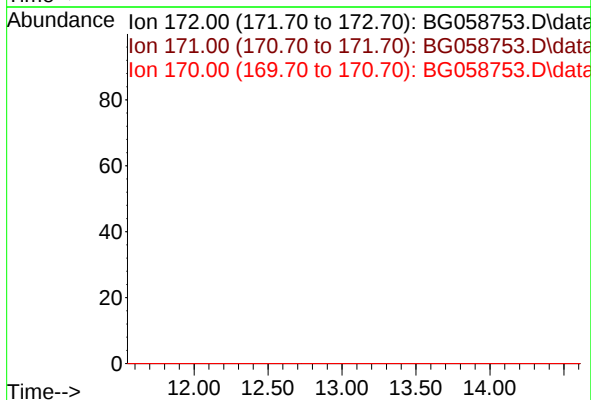
Tgt Ion:330 Resp: 345
Ion Ratio Lower Upper
330 100
332 123.2 77.5 116.3#
141 0.0 20.7 31.1#



#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.08 min

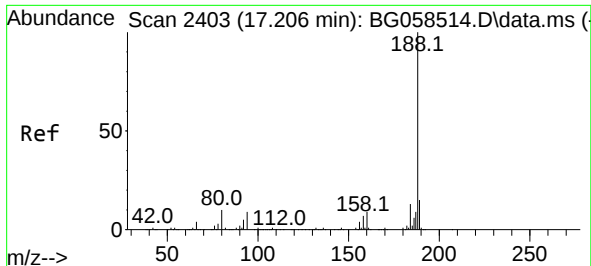
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

Tgt Ion: 172
Sig Exp Ratio
172 100
171 35.0
170 23.0



Ion 171.00 (170.70 to 171.70): BG058753.D\data.ms

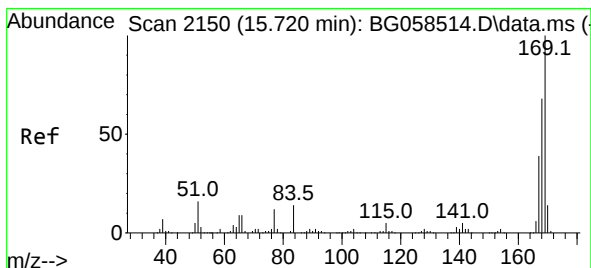
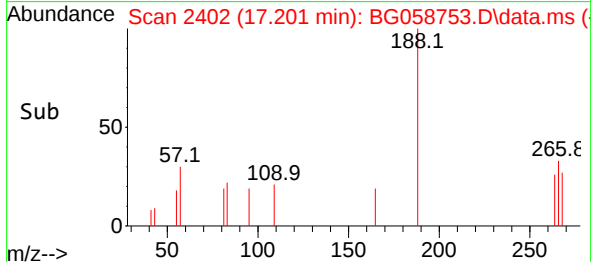
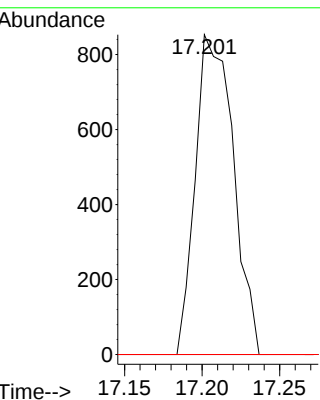
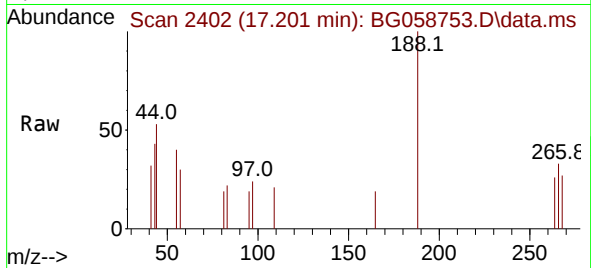
Ion 170.00 (169.70 to 170.70): BG058753.D\data.ms



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2402
Delta R.T. -0.005 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

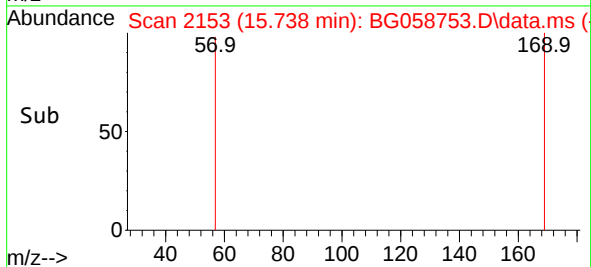
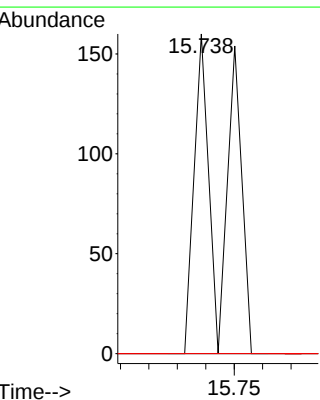
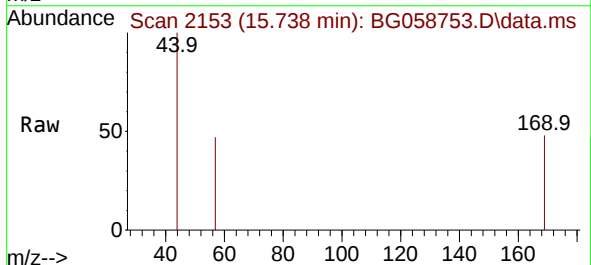
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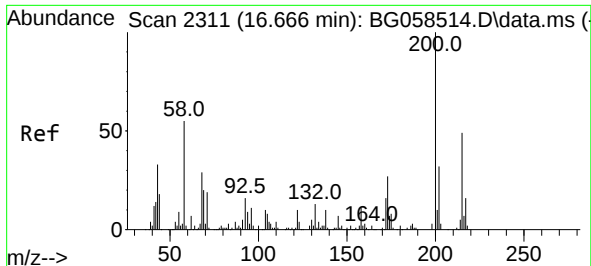
Tgt Ion:188 Resp: 1448
Ion Ratio Lower Upper
188 100
94 0.0 7.0 10.6#
80 0.0 8.1 12.1#



#66
n-Nitrosodiphenylamine
Concen: 2.945 ng
RT: 15.738 min Scan# 2153
Delta R.T. 0.019 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

Tgt Ion:169 Resp: 111
Ion Ratio Lower Upper
169 100
168 0.0 54.6 82.0#
167 0.0 31.3 46.9#

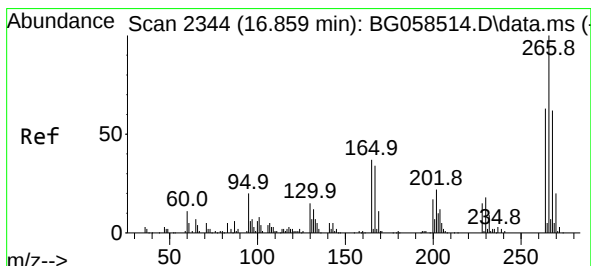
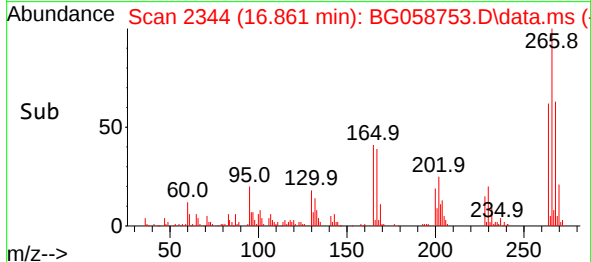
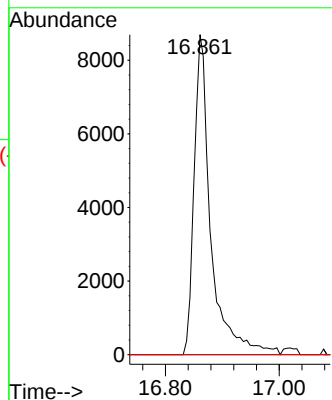
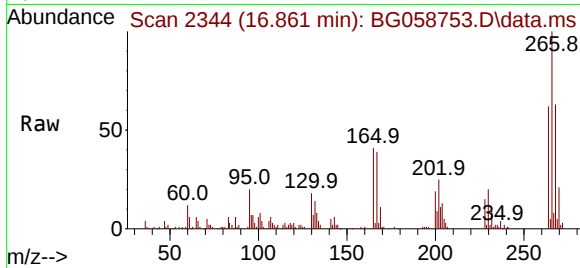




#69
 Atrazine
 Concen: 1392.034 ng
 RT: 16.861 min Scan# 21
 Delta R.T. 0.195 min
 Lab File: BG058753.D
 Acq: 17 Aug 2023 7:41

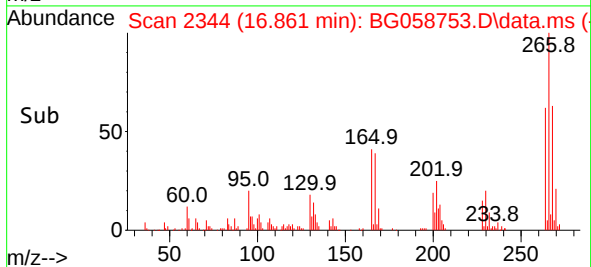
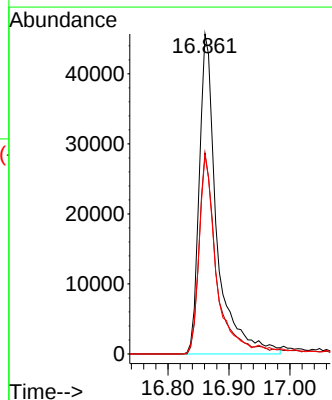
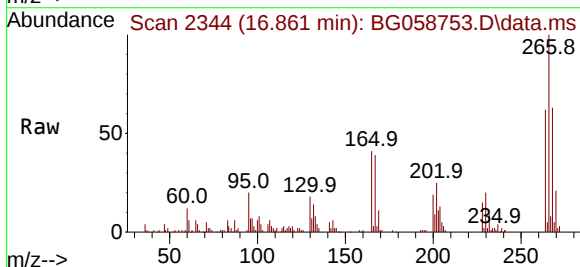
Instrument :
 BNA_G
 ClientSampleId :
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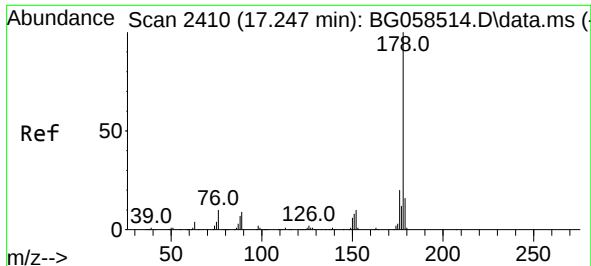
Tgt Ion:200 Resp: 17710
 Ion Ratio Lower Upper
 200 100
 173 0.0 6.5 46.5#
 215 0.0 28.9 68.9#



#70
 Pentachlorophenol
 Concen: 8720.446 ng
 RT: 16.861 min Scan# 2344
 Delta R.T. 0.002 min
 Lab File: BG058753.D
 Acq: 17 Aug 2023 7:41

Tgt Ion:266 Resp: 91859
 Ion Ratio Lower Upper
 266 100
 268 62.8 49.9 74.9
 264 62.2 50.2 75.4

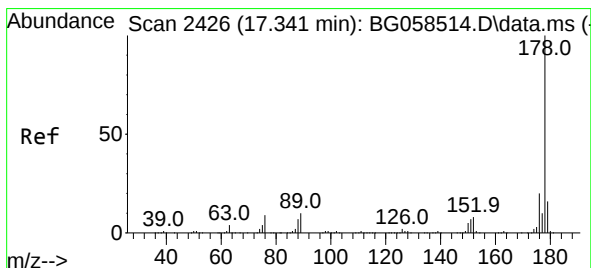
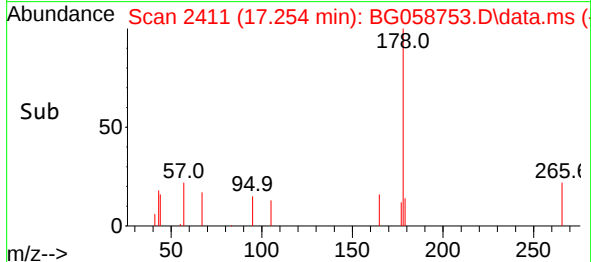
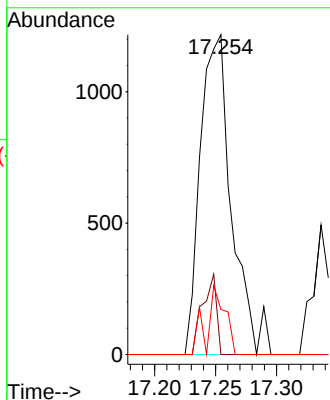
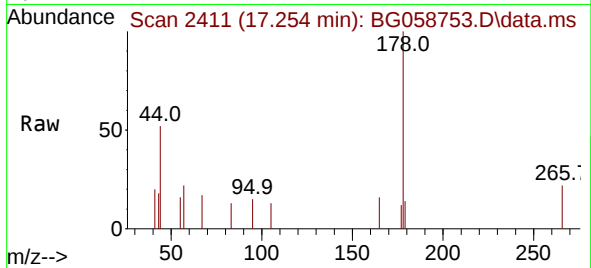




#71
Phenanthrene
Concen: 31.658 ng
RT: 17.254 min Scan# 2410
Delta R.T. 0.007 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

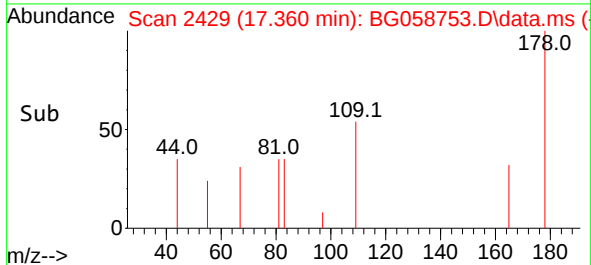
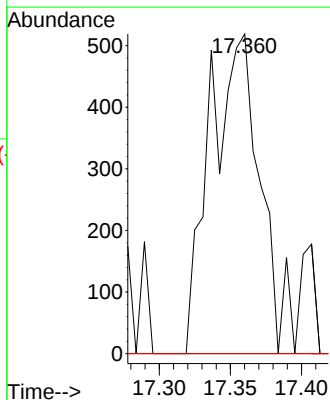
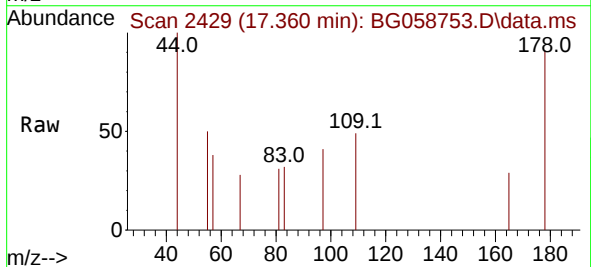
Instrument :
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DFTPP

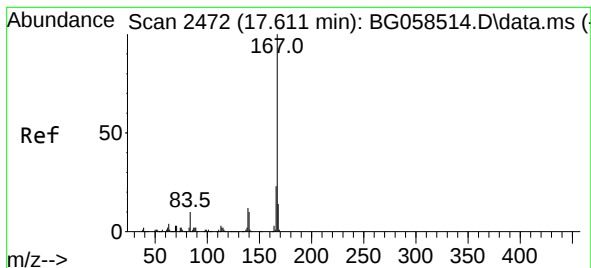
Tgt Ion:178 Resp: 2174
Ion Ratio Lower Upper
178 100
176 0.0 16.3 24.5#
179 14.1 13.1 19.7



#72
Anthracene
Concen: 17.400 ng
RT: 17.360 min Scan# 2429
Delta R.T. 0.019 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

Tgt Ion:178 Resp: 1226
Ion Ratio Lower Upper
178 100
176 0.0 16.0 24.0#
179 0.0 12.9 19.3#





#73

Carbazole

Concen: 112.047 ng

RT: 17.636 min Scan# 24

Delta R.T. 0.025 min

Lab File: BG058753.D

Acq: 17 Aug 2023 7:41

Instrument :

BNA_G

ClientSampleId :

DFTPP

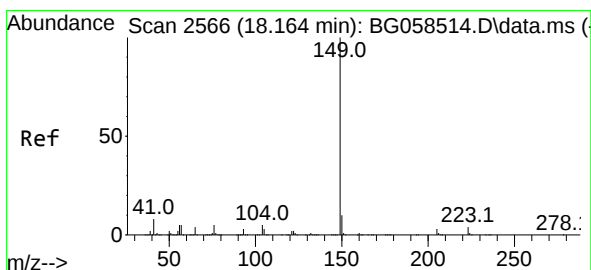
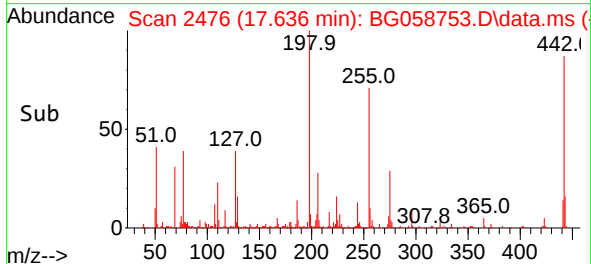
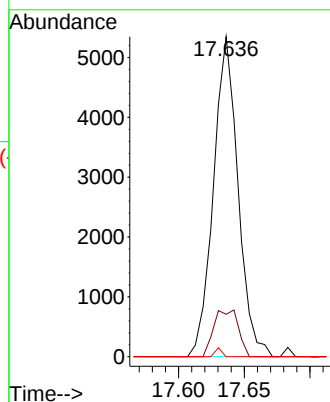
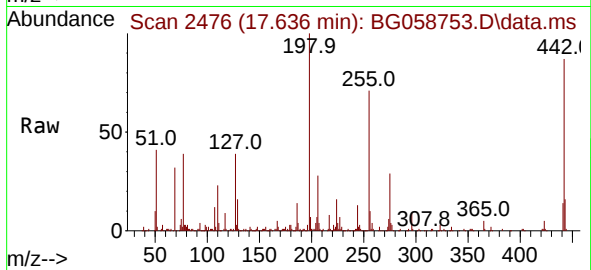
Tgt Ion:167 Resp: 6962

Ion Ratio Lower Upper

167 100

166 13.3 18.4 27.6#

139 0.0 10.0 15.0#



#74

Di-n-butylphthalate

Concen: 13.093 ng

RT: 18.171 min Scan# 2567

Delta R.T. 0.007 min

Lab File: BG058753.D

Acq: 17 Aug 2023 7:41

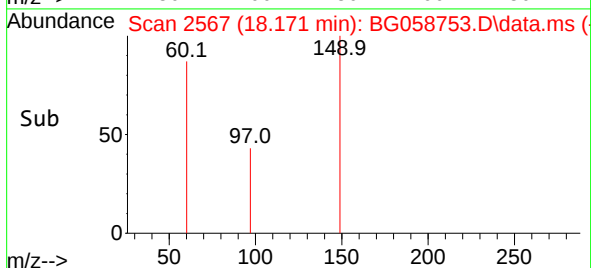
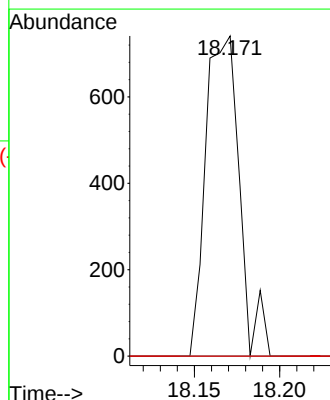
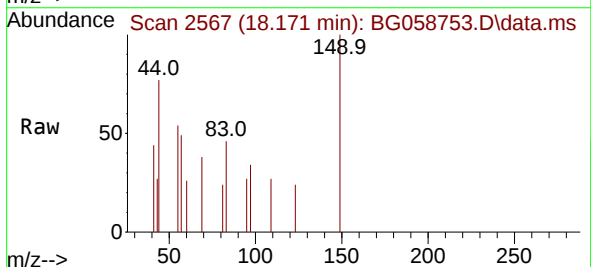
Tgt Ion:149 Resp: 1019

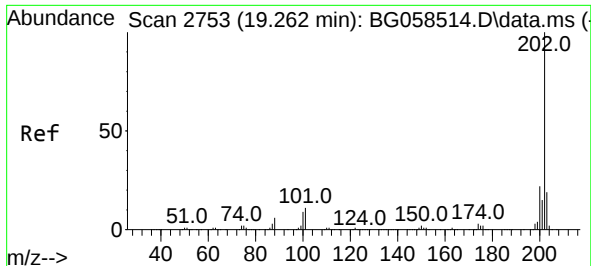
Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

104 0.0 4.0 6.0#

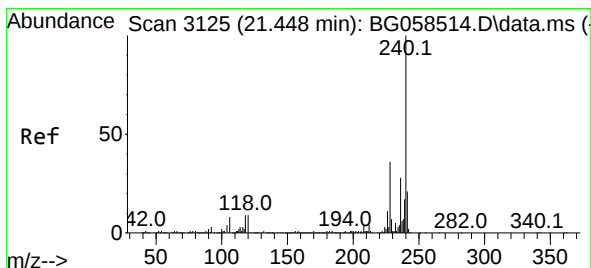
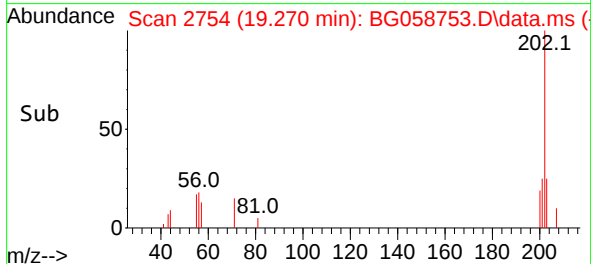
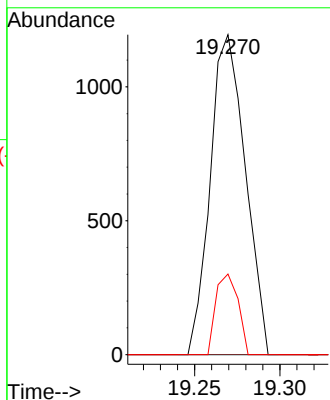
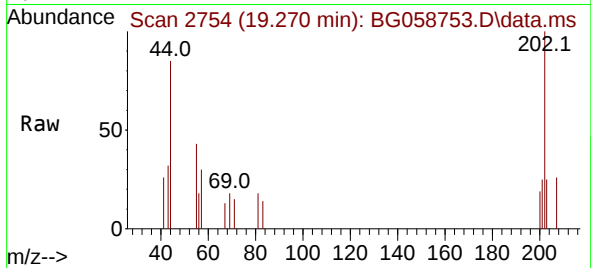




#75
Fluoranthene
Concen: 20.755 ng
RT: 19.270 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

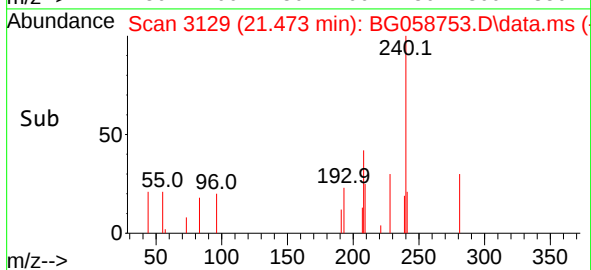
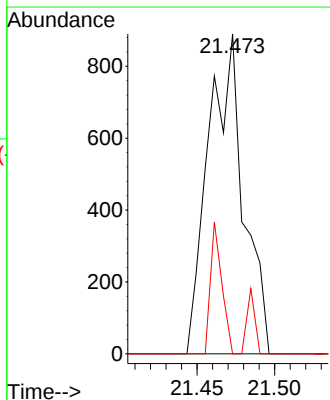
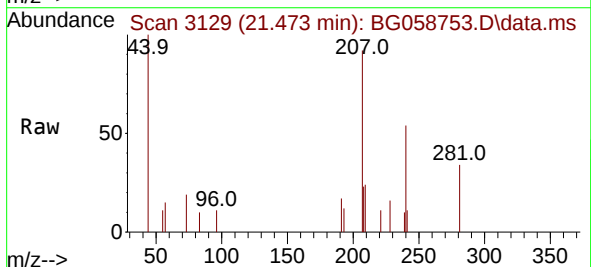
Instrument :
BNA_G
ClientSampleId :
DFTPP

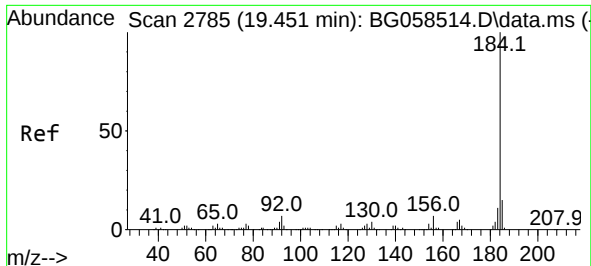
Tgt Ion:	202	Resp:	1712
Ion Ratio	Lower	Upper	
202	100		
101	0.0	0.0	31.4
203	25.2	0.0	39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.473 min Scan# 3129
Delta R.T. 0.025 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

Tgt Ion:	240	Resp:	1399
Ion Ratio	Lower	Upper	
240	100		
120	0.0	7.4	11.0#
236	0.0	22.2	33.4#

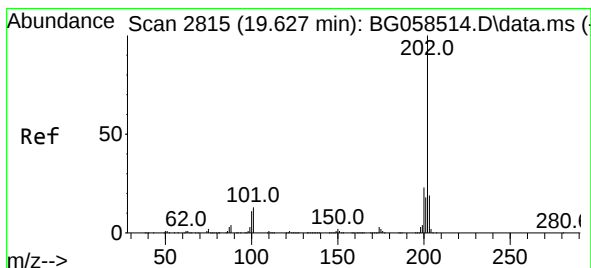
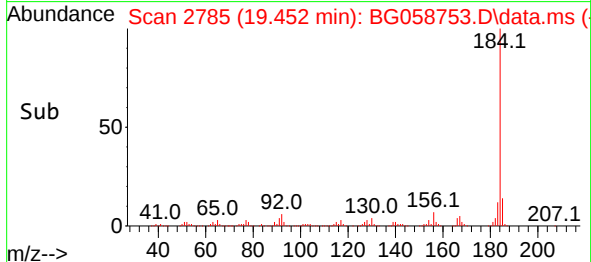
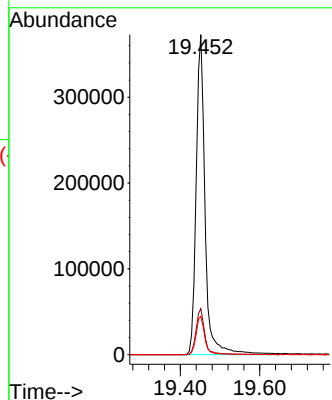
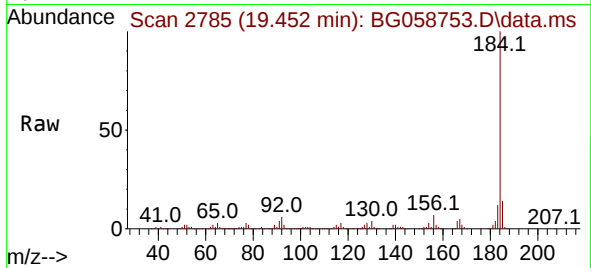




#77
Benzidine
Concen: 27495.388 ng
RT: 19.452 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

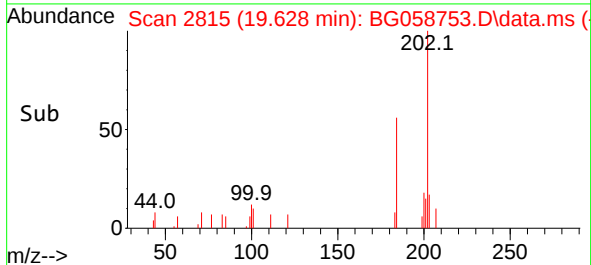
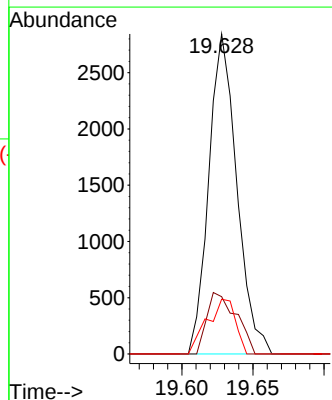
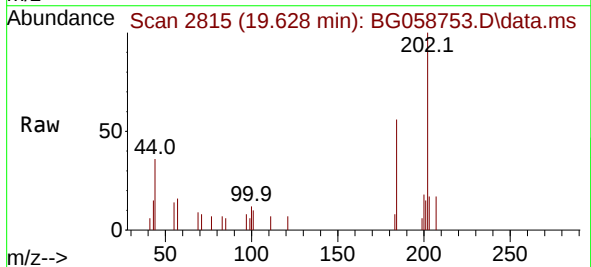
Instrument :
BNA_G
ClientSampleId :
DFTPP

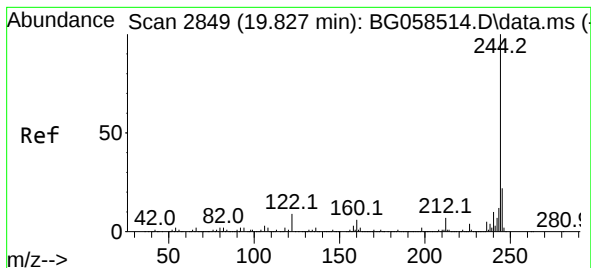
Tgt Ion:184 Resp: 583301
Ion Ratio Lower Upper
184 100
185 14.4 11.9 17.9
183 12.0 8.7 13.1



#78
Pyrene
Concen: 40.931 ng
RT: 19.628 min Scan# 2815
Delta R.T. 0.001 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

Tgt Ion:202 Resp: 3897
Ion Ratio Lower Upper
202 100
200 17.9 18.2 27.2#
203 17.1 15.1 22.7





#79

Terphenyl-d14

Concen: 71.350 ng

RT: 19.822 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG058753.D

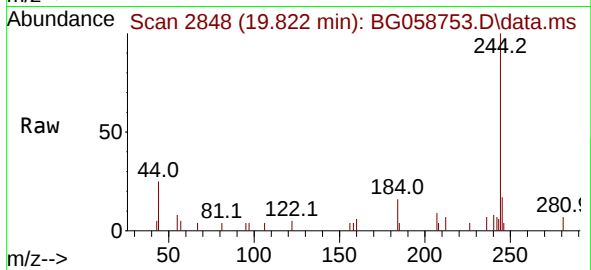
Acq: 17 Aug 2023 7:41

Instrument :

BNA_G

ClientSampleId :

DFTPP



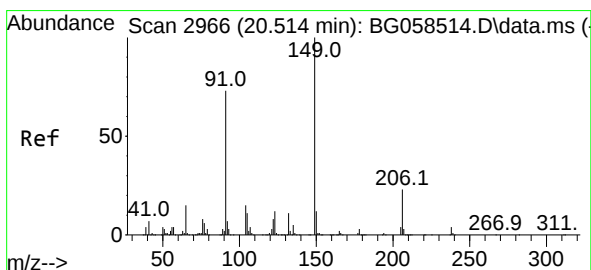
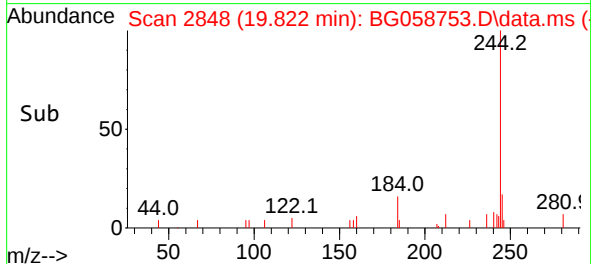
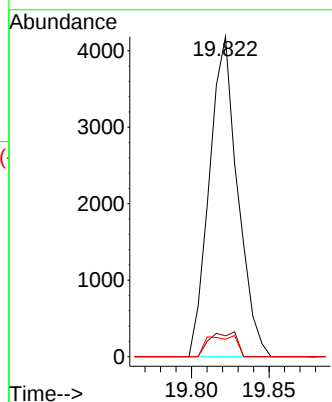
Tgt Ion:244 Resp: 5308

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

122 5.4 6.8 10.2#



#80

Butylbenzylphthalate

Concen: 13.910 ng

RT: 20.515 min Scan# 2966

Delta R.T. 0.001 min

Lab File: BG058753.D

Acq: 17 Aug 2023 7:41

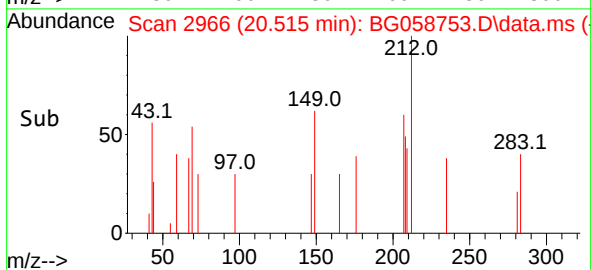
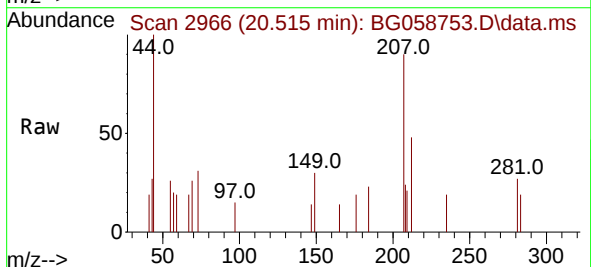
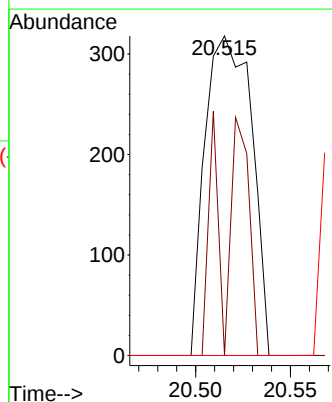
Tgt Ion:149 Resp: 544

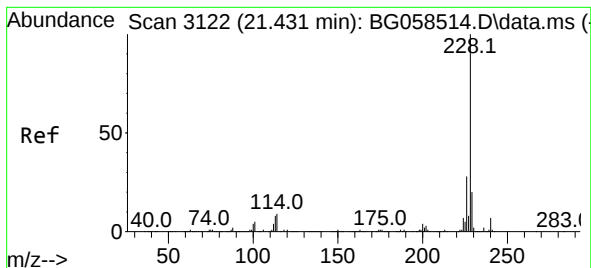
Ion Ratio Lower Upper

149 100

91 0.0 58.4 87.6#

206 0.0 18.3 27.5#





#81

Benzo(a)anthracene

Concen: 13.690 ng

RT: 21.455 min Scan# 3117

Delta R.T. 0.025 min

Lab File: BG058753.D

Acq: 17 Aug 2023 7:41

Instrument :

BNA_G

ClientSampleId :

DFTPP

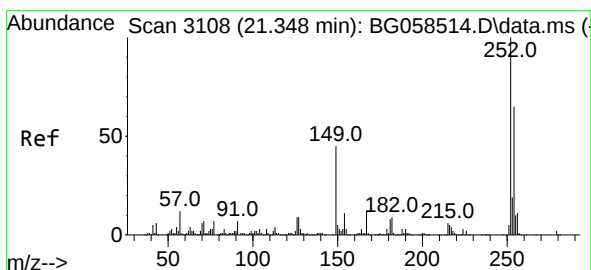
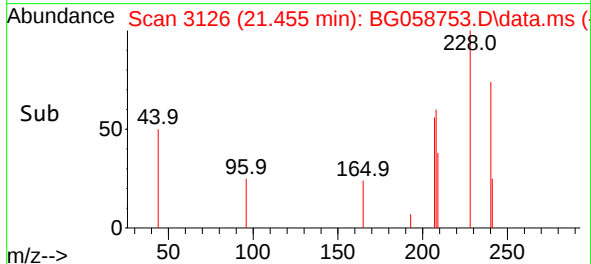
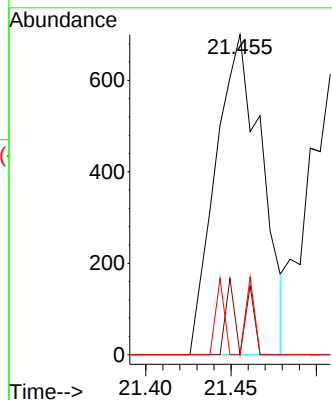
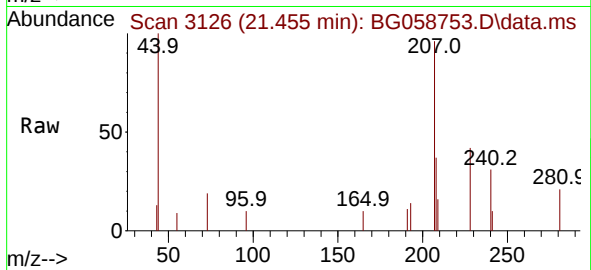
Tgt Ion:228 Resp: 1318

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

229 0.0 16.3 24.5#



#82

3,3'-Dichlorobenzidine

Concen: 11.305 ng

RT: 21.402 min Scan# 3117

Delta R.T. 0.054 min

Lab File: BG058753.D

Acq: 17 Aug 2023 7:41

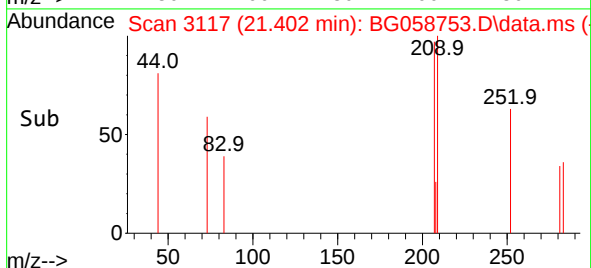
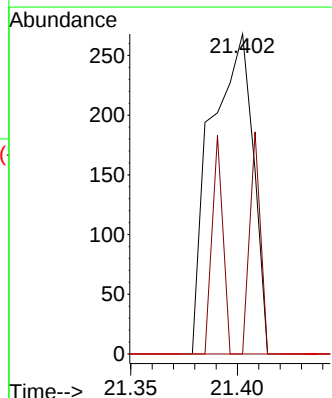
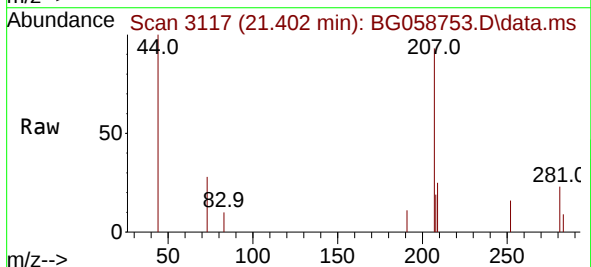
Tgt Ion:252 Resp: 368

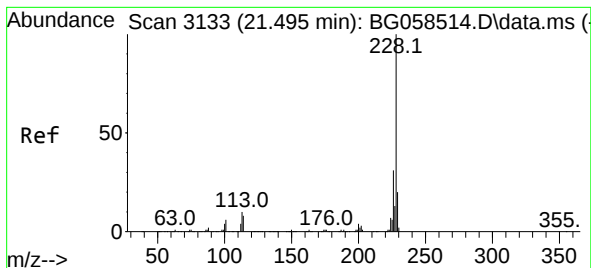
Ion Ratio Lower Upper

252 100

254 0.0 52.2 78.4#

126 0.0 7.2 10.8#





#83

Chrysene

Concen: 16.900 ng

RT: 21.514 min Scan# 3133

Delta R.T. 0.019 min

Lab File: BG058753.D

Acq: 17 Aug 2023 7:41

Instrument :

BNA_G

ClientSampleId :

DFTPP

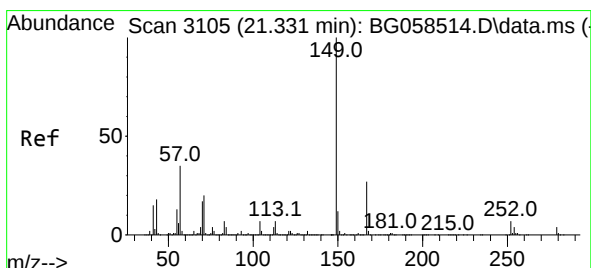
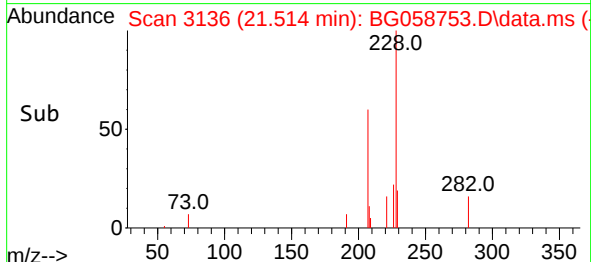
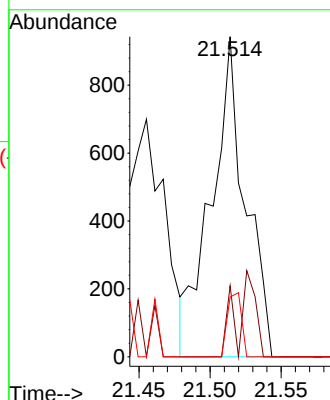
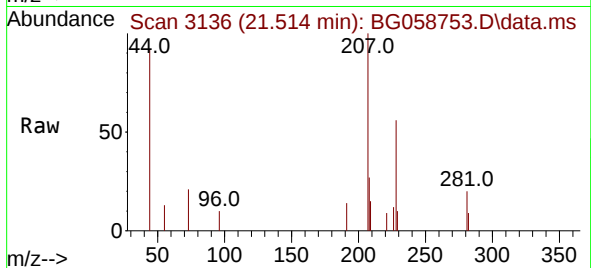
Tgt Ion:228 Resp: 1560

Ion Ratio Lower Upper

228 100

226 22.2 25.0 37.6#

229 18.7 16.3 24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.278 ng

RT: 21.332 min Scan# 3105

Delta R.T. 0.001 min

Lab File: BG058753.D

Acq: 17 Aug 2023 7:41

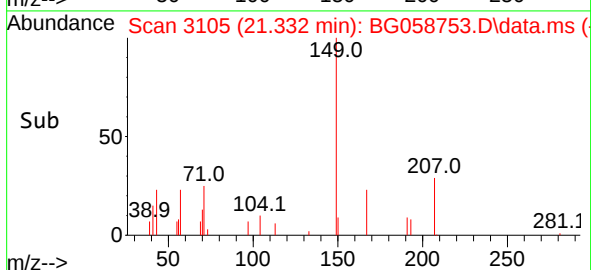
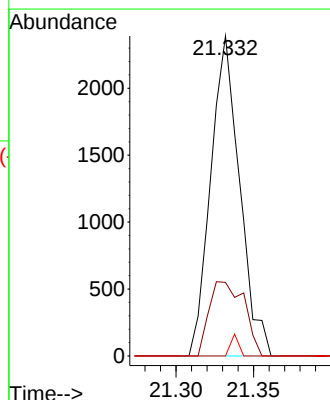
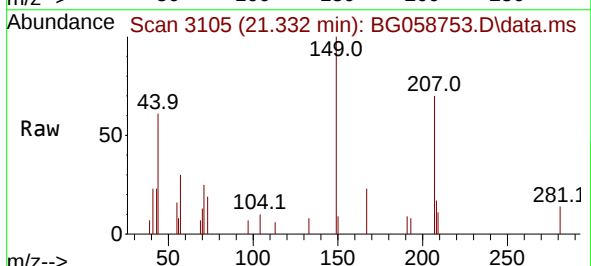
Tgt Ion:149 Resp: 3102

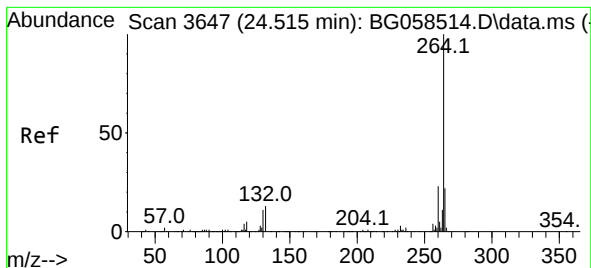
Ion Ratio Lower Upper

149 100

167 23.0 21.8 32.8

279 0.0 2.9 4.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.558 min Scan# 30

Delta R.T. 0.042 min

Lab File: BG058753.D

Acq: 17 Aug 2023 7:41

Instrument :

BNA_G

ClientSampleId :

DFTPP

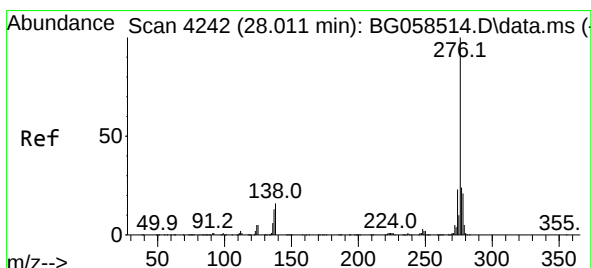
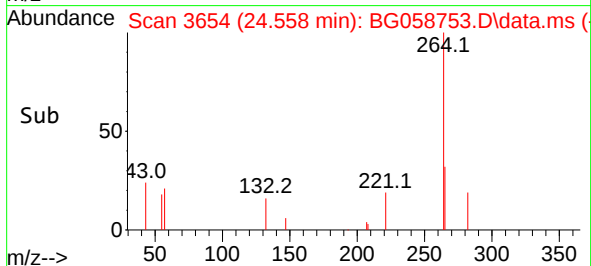
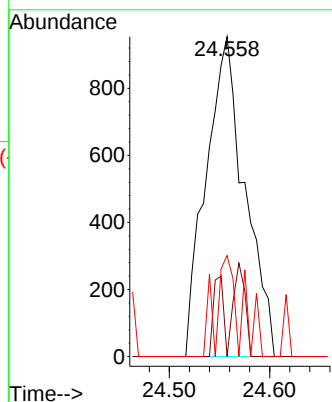
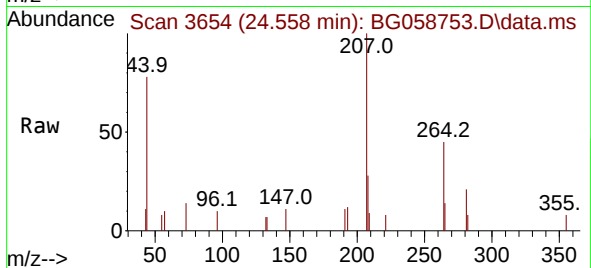
Tgt Ion:264 Resp: 2558

Ion Ratio Lower Upper

264 100

260 0.0 18.4 27.6#

265 31.6 17.9 26.9#



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.783 ng

RT: 28.083 min Scan# 4254

Delta R.T. 0.072 min

Lab File: BG058753.D

Acq: 17 Aug 2023 7:41

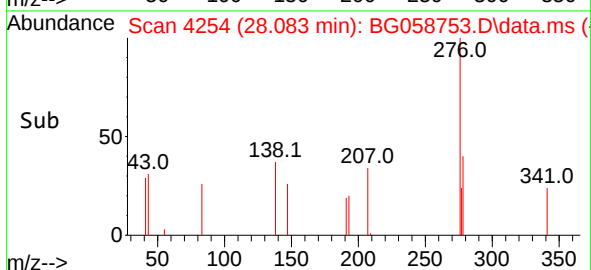
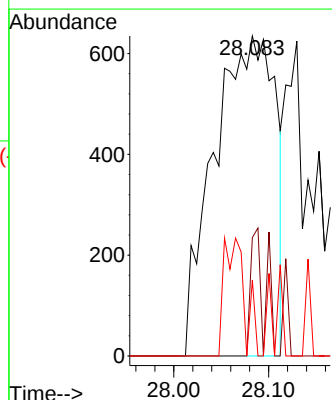
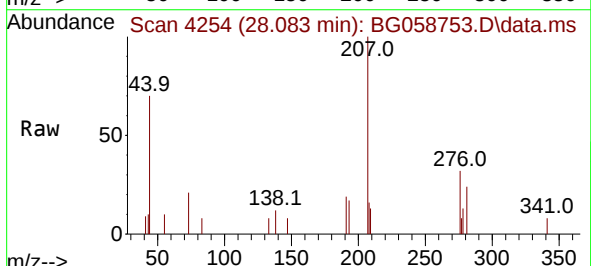
Tgt Ion:276 Resp: 2856

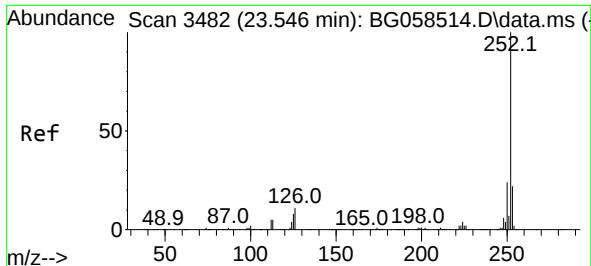
Ion Ratio Lower Upper

276 100

138 9.1 16.0 24.0#

277 0.0 20.4 30.6#

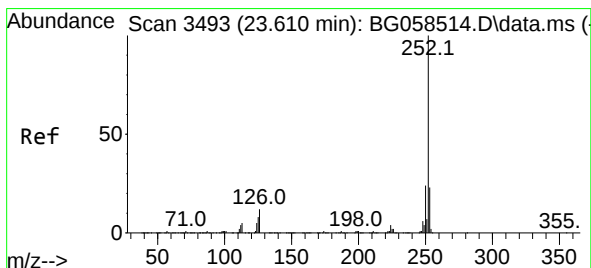
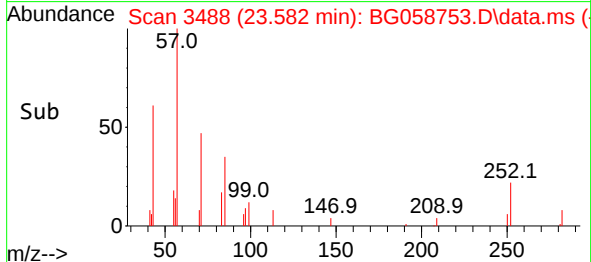
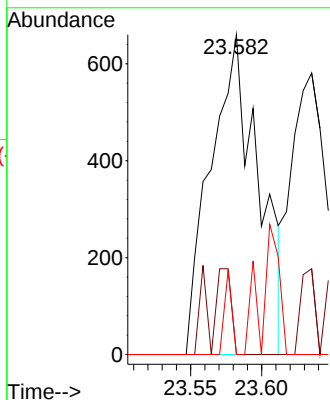
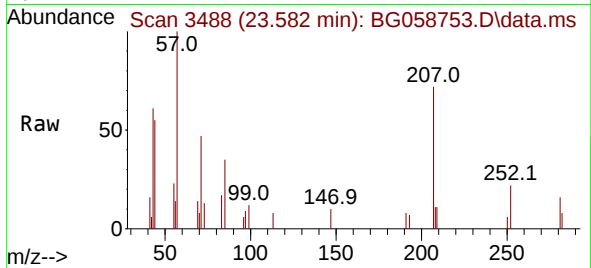




#88
Benzo(b)fluoranthene
Concen: 11.150 ng
RT: 23.582 min Scan# 3488
Delta R.T. 0.036 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

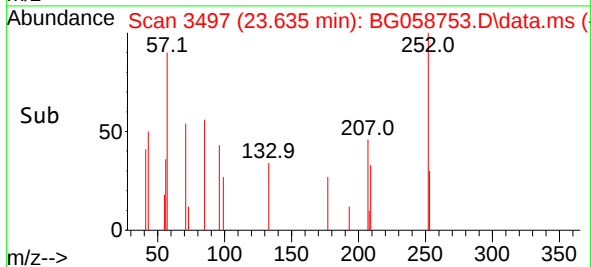
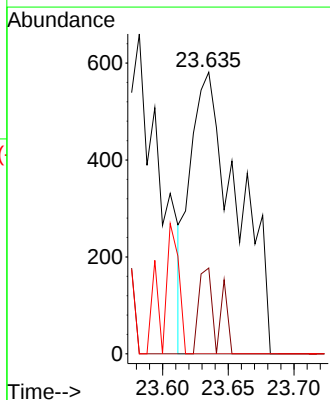
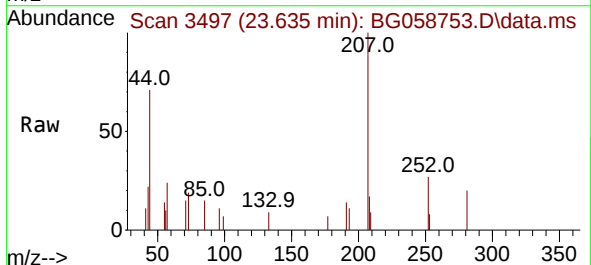
Instrument :
BNA_G
ClientSampleId :
DFTPP

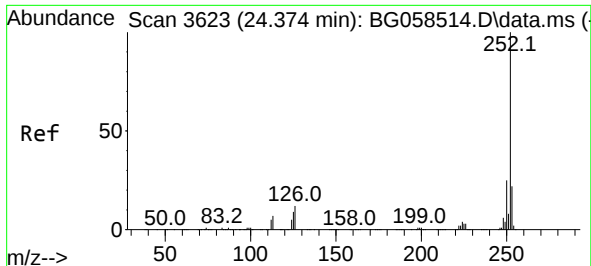
Tgt Ion:252 Resp: 1547
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.8#
125 0.0 6.6 9.8#



#89
Benzo(k)fluoranthene
Concen: 10.504 ng
RT: 23.635 min Scan# 3497
Delta R.T. 0.025 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

Tgt Ion:252 Resp: 1464
Ion Ratio Lower Upper
252 100
253 30.5 17.9 26.9#
125 0.0 6.6 10.0#

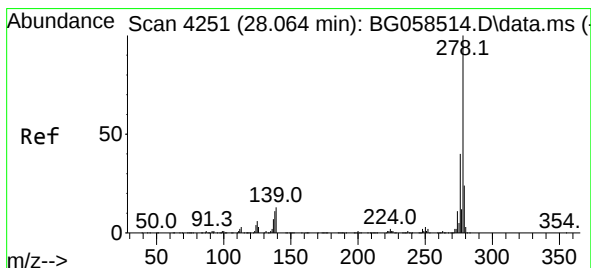
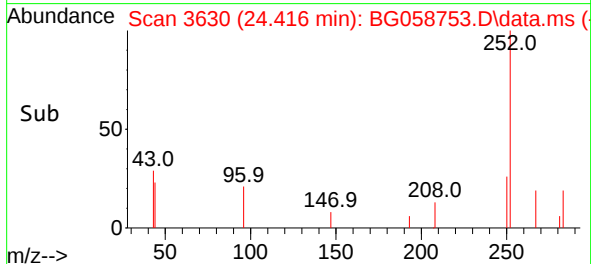
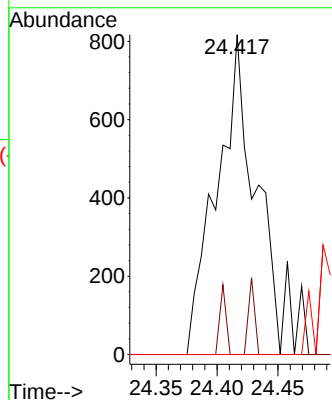
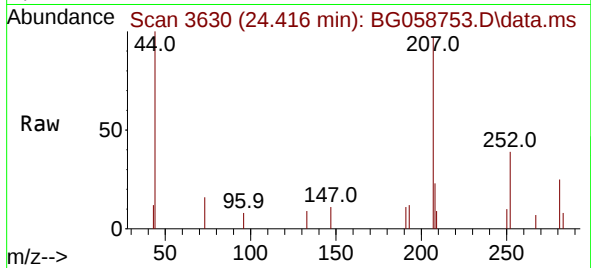




#90
Benzo(a)pyrene
Concen: 13.057 ng
RT: 24.416 min Scan# 30
Delta R.T. 0.042 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

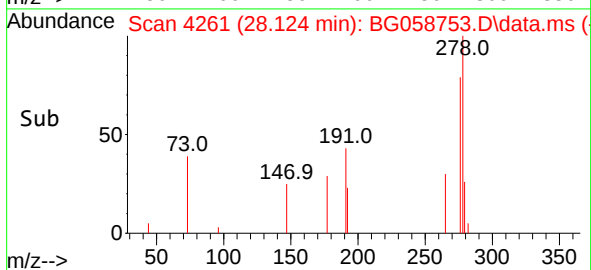
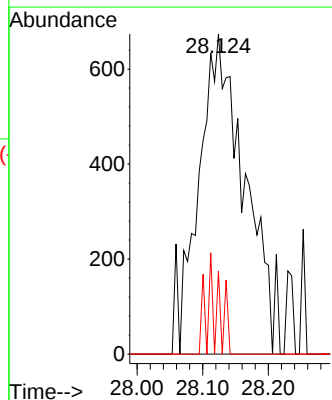
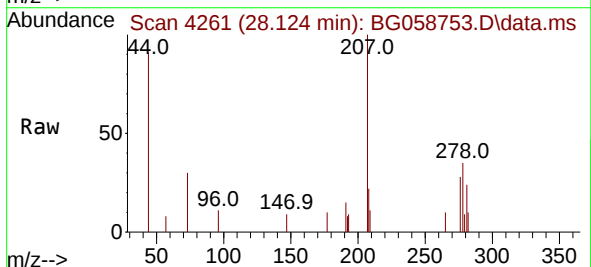
Instrument :
BNA_G
ClientSampleId :
DFTPP

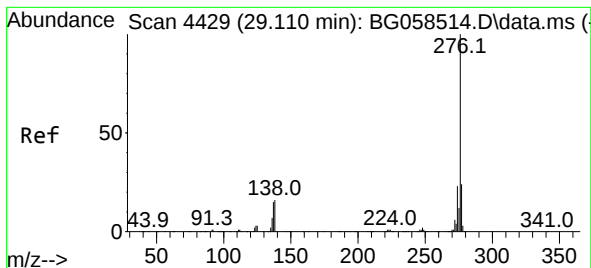
Tgt Ion:252 Resp: 1779
Ion Ratio Lower Upper
252 100
253 0.0 17.5 26.3#
125 0.0 7.4 11.2#



#91
Dibenzo(a,h)anthracene
Concen: 23.097 ng
RT: 28.124 min Scan# 4261
Delta R.T. 0.060 min
Lab File: BG058753.D
Acq: 17 Aug 2023 7:41

Tgt Ion:278 Resp: 3250
Ion Ratio Lower Upper
278 100
139 0.0 10.4 15.6#
279 26.0 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 22.700 ng

RT: 29.158 min Scan# 44

Delta R.T. 0.048 min

Lab File: BG058753.D

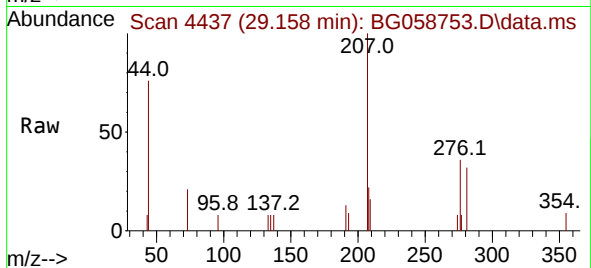
Acq: 17 Aug 2023 7:41

Instrument :

BNA_G

ClientSampleId :

DFTPP



Tgt Ion:276 Resp: 3203

Ion Ratio Lower Upper

276 100

277 23.1 18.9 28.3

138 0.0 13.0 19.4#

