

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059772.D
 Acq On : 20 Nov 2023 17:06
 Operator : MA/JU
 Sample : 05311-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Quant Time: Nov 20 18:22:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

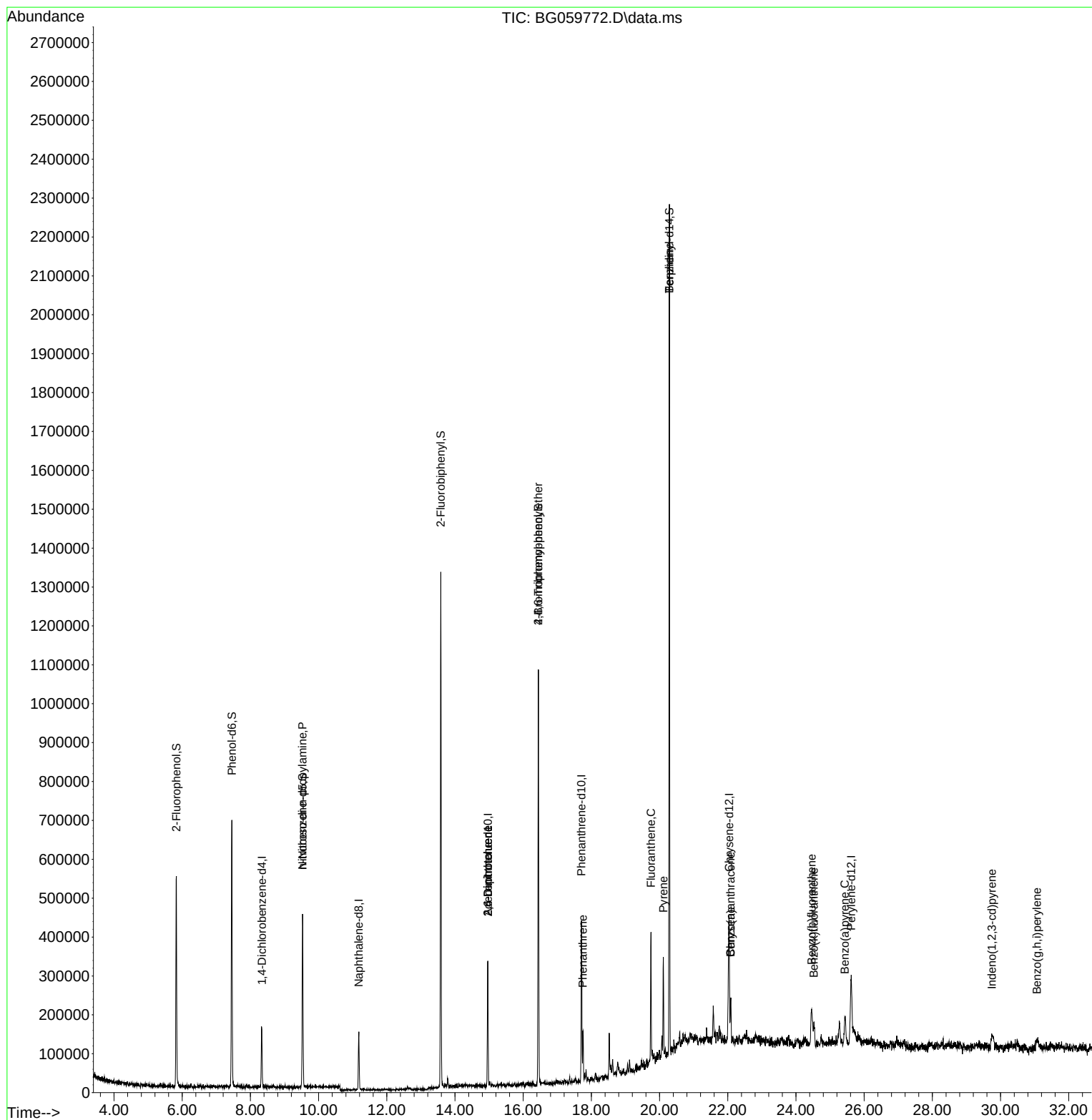
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.336	152	31836	20.000	ng	# 0.00
21) Naphthalene-d8	11.180	136	101873	20.000	ng	#-0.01
39) Acenaphthene-d10	14.964	164	98290	20.000	ng	# 0.00
64) Phenanthrene-d10	17.707	188	223588	20.000	ng	-0.01
76) Chrysene-d12	22.038	240	161789	20.000	ng	-0.01
86) Perylene-d12	25.622	264	193247	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	190774	100.860	ng	0.00
7) Phenol-d6	7.455	99	296832	105.899	ng	0.00
23) Nitrobenzene-d5	9.529	82	283534	106.296	ng	-0.01
42) 2,4,6-Tribromophenol	16.444	330	146020	130.934	ng	-0.01
45) 2-Fluorobiphenyl	13.583	172	547307	74.952	ng	-0.01
79) Terphenyl-d14	20.287	244	827925	75.544	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.529	70	45680	20.695	ng	# 73
51) 2,6-Dinitrotoluene	14.964	165	13494	9.338	ng	# 2
57) 2,4-Dinitrotoluene	14.964	165	13494	6.072	ng	# 5
67) 4-Bromophenyl-phenylether	16.444	248	9509	3.959	ng	# 1
71) Phenanthrene	17.749	178	74951	6.593	ng	# 90
75) Fluoranthene	19.746	202	187331	13.741	ng	95
77) Benzidine	20.287	184	25717	7.010	ng	# 93
78) Pyrene	20.110	202	153014	13.900	ng	97
81) Benzo(a)anthracene	22.085	228	77535	7.004	ng	91
83) Chrysene	22.085	228	77535	7.641	ng	# 88
87) Indeno(1,2,3-cd)pyrene	29.740	276	67122	4.590	ng	# 93
88) Benzo(b)fluoranthene	24.458	252	111946	10.569	ng	# 92
89) Benzo(k)fluoranthene	24.523	252	39540	3.776	ng	# 93
90) Benzo(a)pyrene	25.434	252	84709	7.494	ng	# 92
92) Benzo(g,h,i)perylene	31.068	276	28548	2.432	ng	# 95

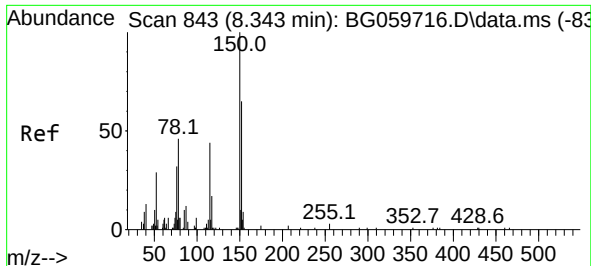
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
Data File : BG059772.D
Acq On : 20 Nov 2023 17:06
Operator : MA/JU
Sample : 05311-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-5

Quant Time: Nov 20 18:22:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration

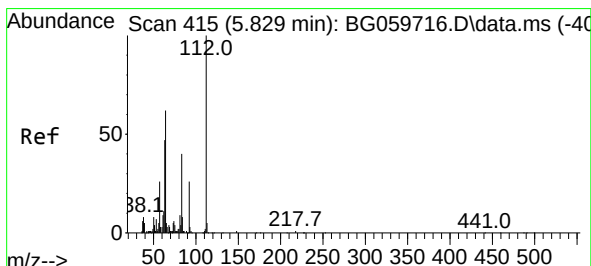
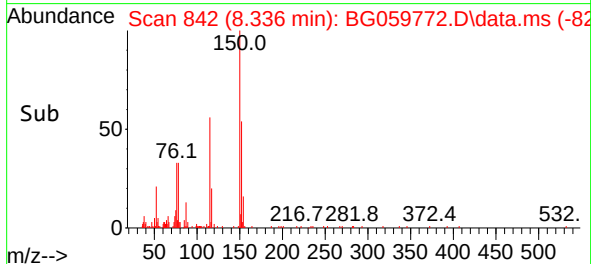
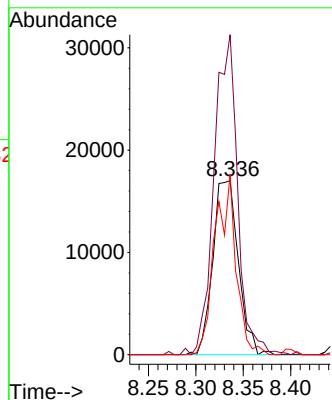
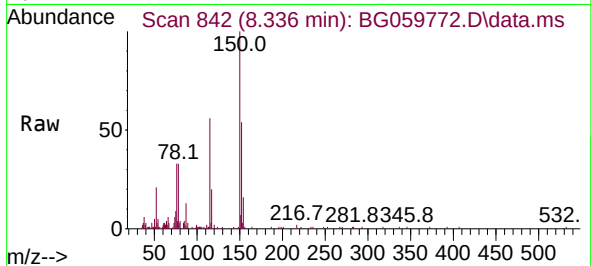




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.336 min Scan# 843
Delta R.T. -0.007 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

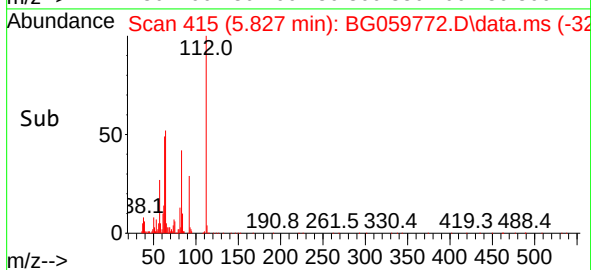
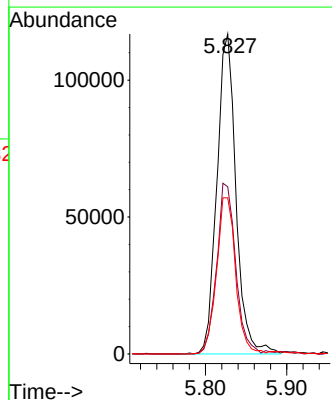
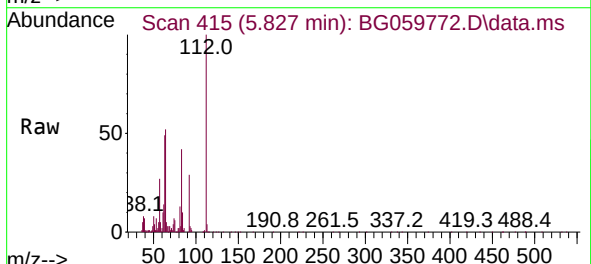
Instrument :
BNA_G
ClientSampleId :
TP-5

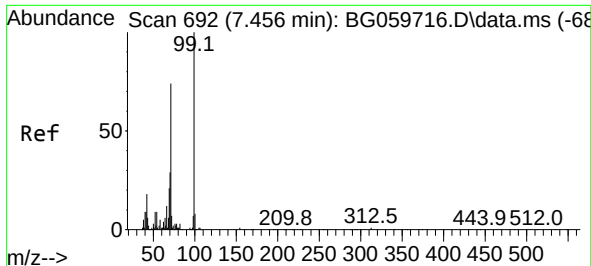
Tgt Ion:152 Resp: 31836
Ion Ratio Lower Upper
152 100
150 183.8 122.2 183.4#
115 103.7 54.2 81.4#



#5
2-Fluorophenol
Concen: 100.860 ng
RT: 5.827 min Scan# 415
Delta R.T. -0.001 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Tgt Ion:112 Resp: 190774
Ion Ratio Lower Upper
112 100
64 52.3 49.5 74.3
63 48.8 37.4 56.2

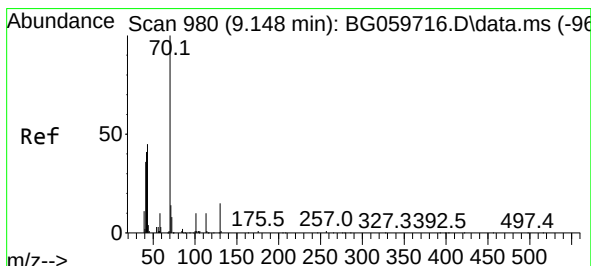
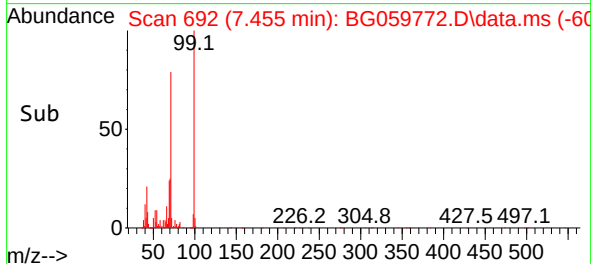
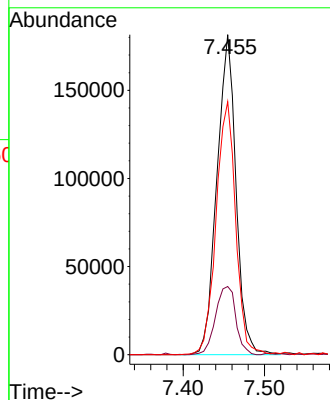
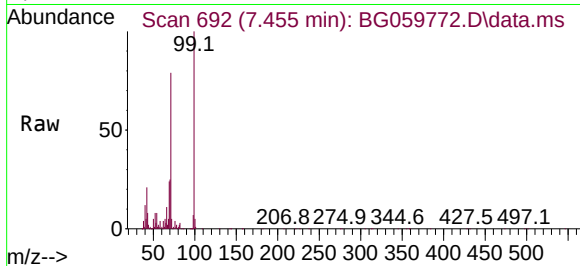




#7
Phenol-d6
Concen: 105.899 ng
RT: 7.455 min Scan# 692
Delta R.T. -0.001 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

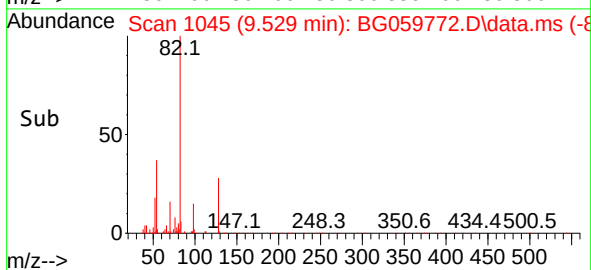
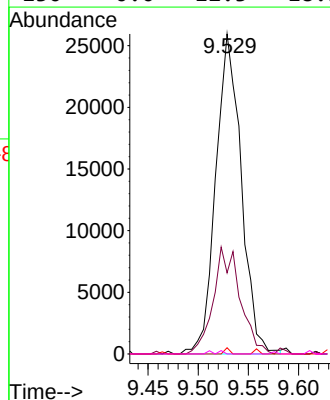
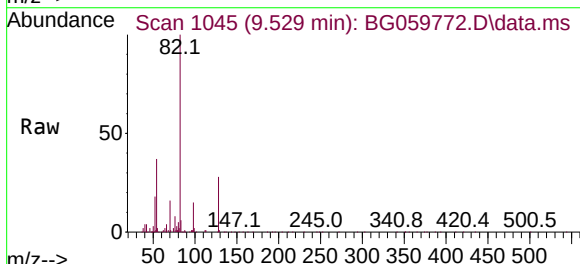
Instrument :
BNA_G
ClientSampleId :
TP-5

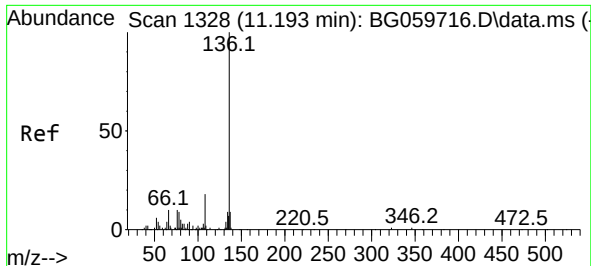
Tgt Ion: 99 Resp: 296832
Ion Ratio Lower Upper
99 100
42 21.3 14.3 21.5
71 79.1 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 20.695 ng
RT: 9.529 min Scan# 1045
Delta R.T. 0.380 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Tgt Ion: 70 Resp: 45680
Ion Ratio Lower Upper
70 100
42 25.3 32.8 49.2#
101 1.9 7.7 11.5#
130 0.0 12.3 18.5#

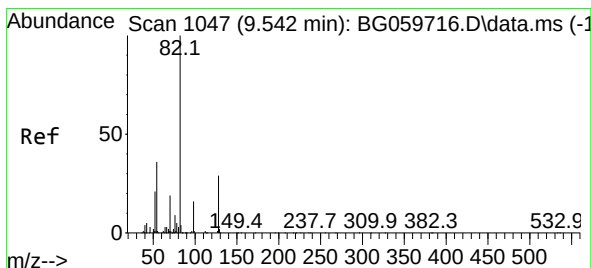
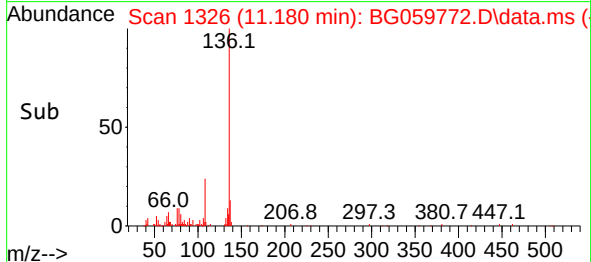
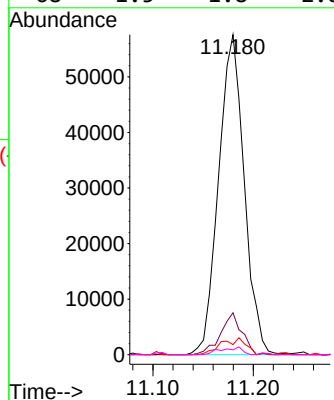
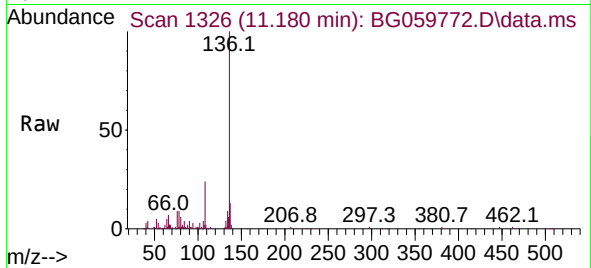




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.180 min Scan# 111
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

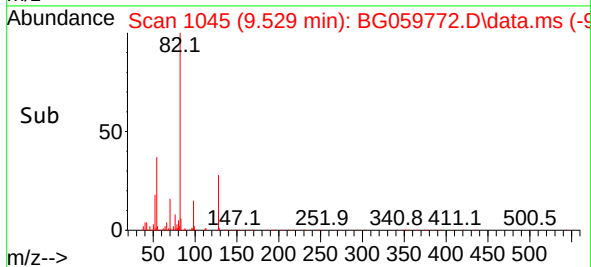
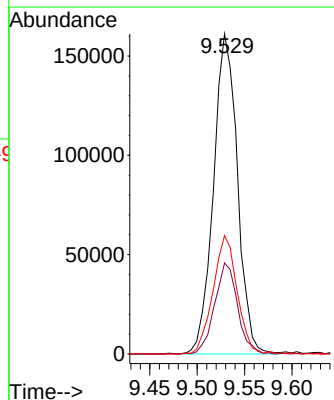
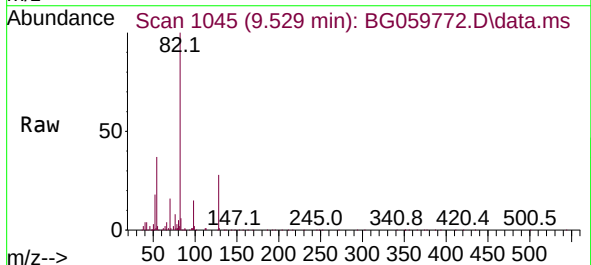
Instrument :
BNA_G
ClientSampleId :
TP-5

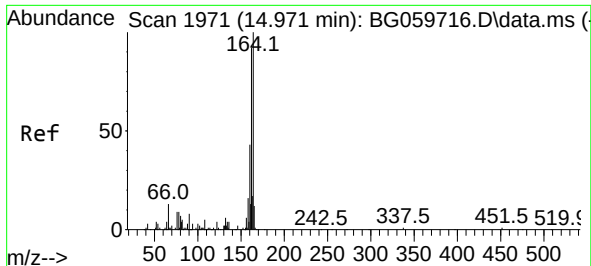
Tgt Ion:	136	Resp:	101873
Ion Ratio	Lower	Upper	
136	100		
137	13.1	7.4	11.0#
54	3.2	3.1	4.7
68	1.5	1.8	2.8#



#23
Nitrobenzene-d5
Concen: 106.296 ng
RT: 9.529 min Scan# 1045
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Tgt Ion:	82	Resp:	283534
Ion Ratio	Lower	Upper	
82	100		
128	28.5	23.0	34.6
54	37.0	28.7	43.1

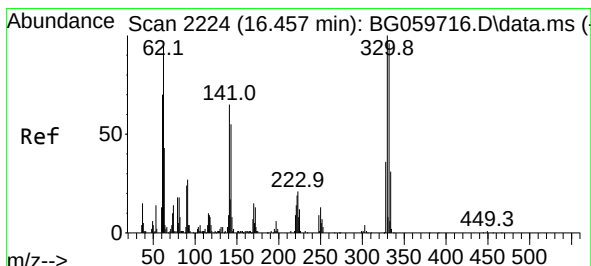
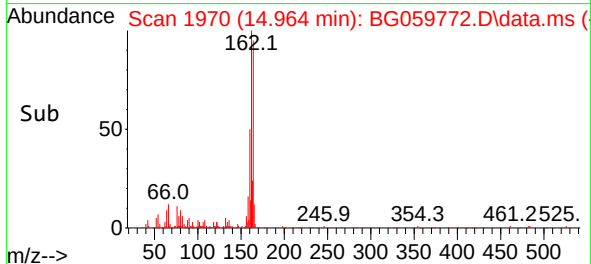
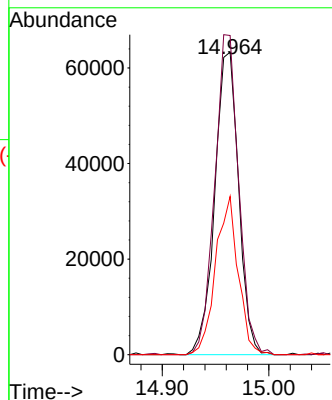
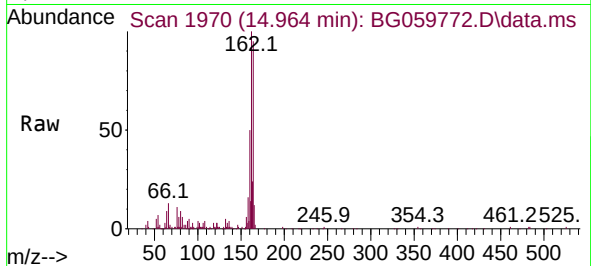




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.964 min Scan# 1970
Delta R.T. -0.007 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

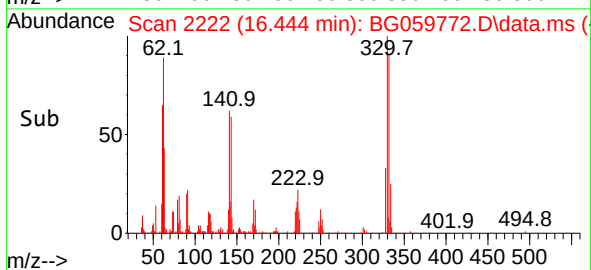
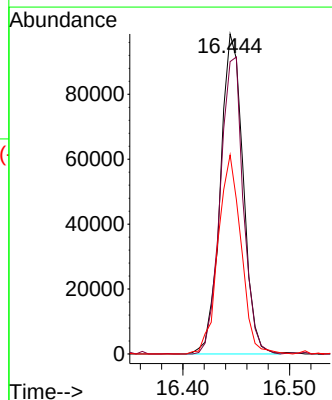
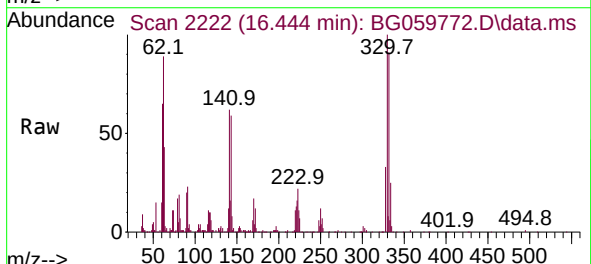
Instrument :
BNA_G
ClientSampleId :
TP-5

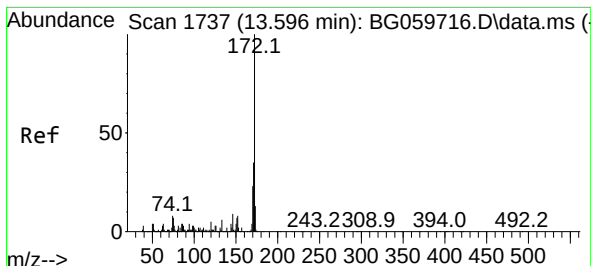
Tgt Ion:164 Resp: 98290
Ion Ratio Lower Upper
164 100
162 105.5 73.3 109.9
160 52.3 34.1 51.1#



#42
2,4,6-Tribromophenol
Concen: 130.934 ng
RT: 16.444 min Scan# 2222
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Tgt Ion:330 Resp: 146020
Ion Ratio Lower Upper
330 100
332 93.6 73.3 109.9
141 62.6 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 74.952 ng

RT: 13.583 min Scan# 1

Delta R.T. -0.013 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5

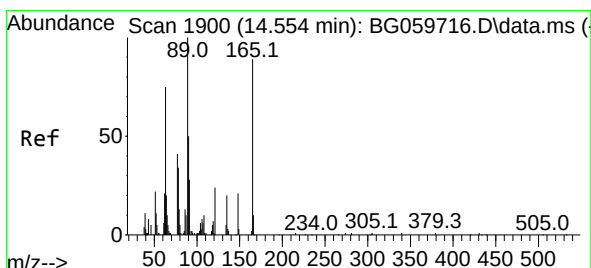
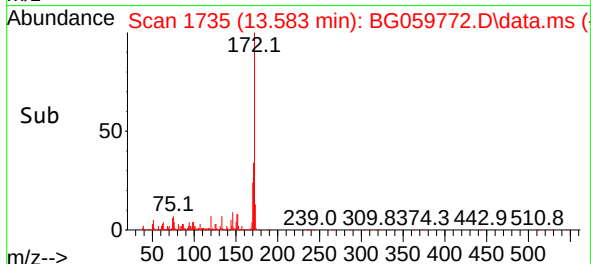
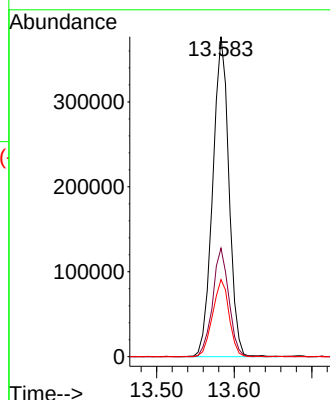
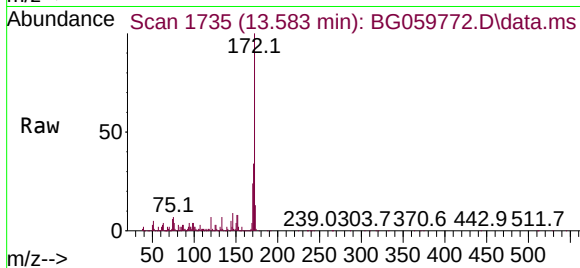
Tgt Ion:172 Resp: 547307

Ion Ratio Lower Upper

172 100

171 33.9 27.7 41.5

170 24.1 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 9.338 ng

RT: 14.964 min Scan# 1970

Delta R.T. 0.410 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

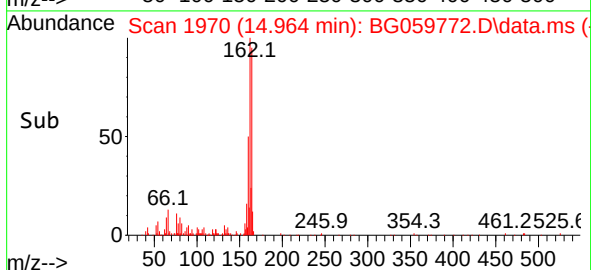
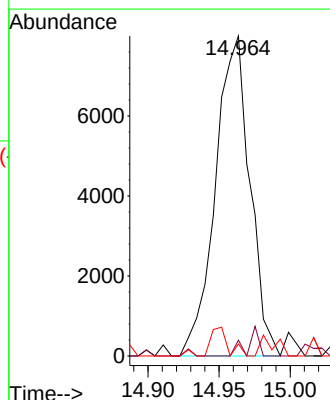
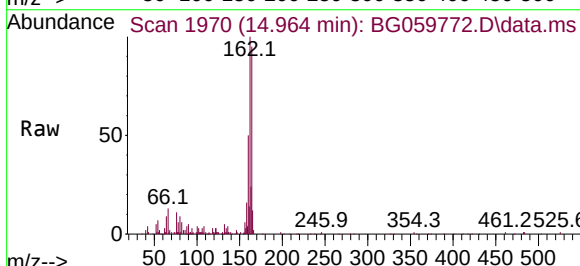
Tgt Ion:165 Resp: 13494

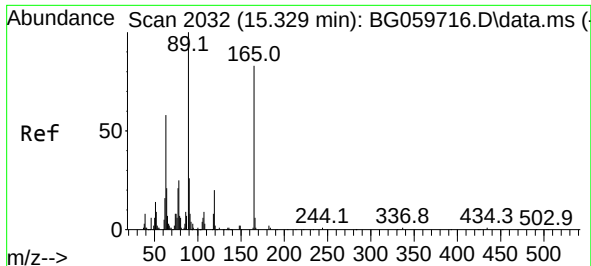
Ion Ratio Lower Upper

165 100

63 4.9 75.3 112.9#

89 3.8 90.9 136.3#

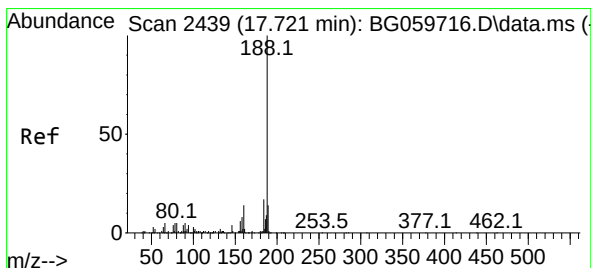
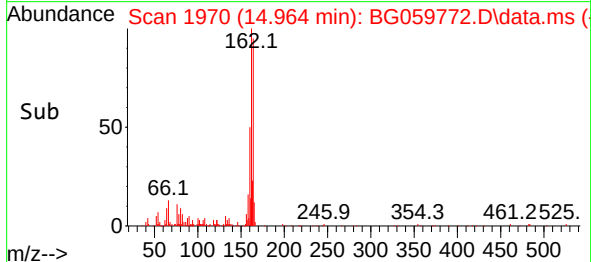
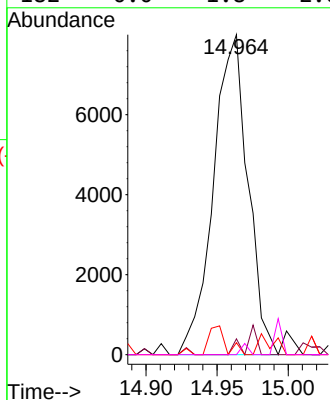
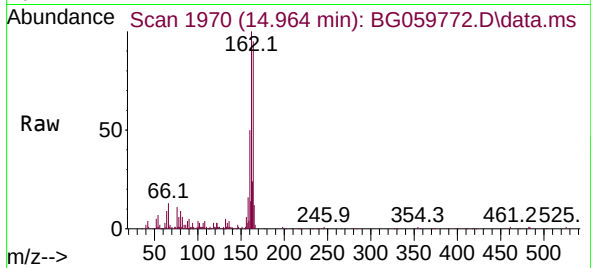




#57
2,4-Dinitrotoluene
Concen: 6.072 ng
RT: 14.964 min Scan# 1970
Delta R.T. -0.366 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

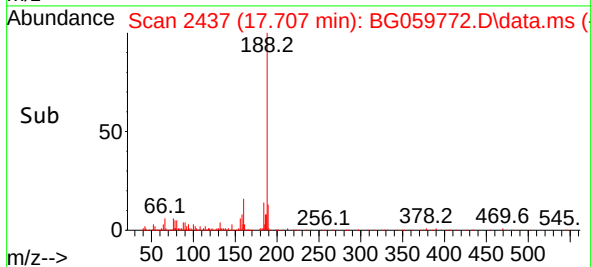
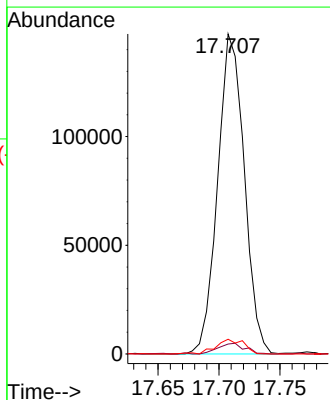
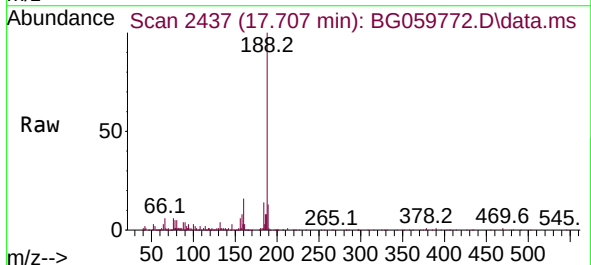
Instrument :
BNA_G
ClientSampleId :
TP-5

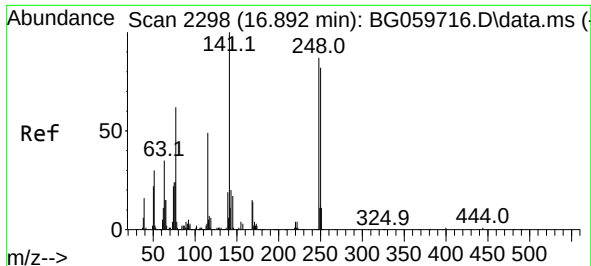
Tgt Ion:165 Resp: 13494
Ion Ratio Lower Upper
165 100
63 4.9 55.8 83.8#
89 3.8 96.9 145.3#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2437
Delta R.T. -0.013 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Tgt Ion:188 Resp: 223588
Ion Ratio Lower Upper
188 100
94 3.1 3.0 4.4
80 4.6 4.2 6.4





#67

4-Bromophenyl-phenylether

Concen: 3.959 ng

RT: 16.444 min Scan# 21

Delta R.T. -0.448 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5

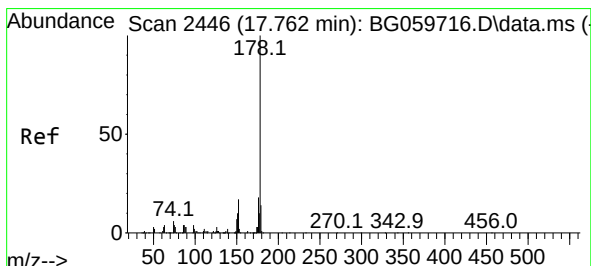
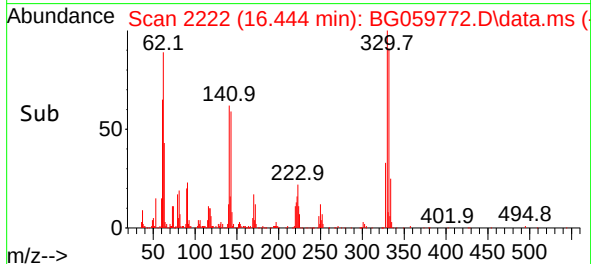
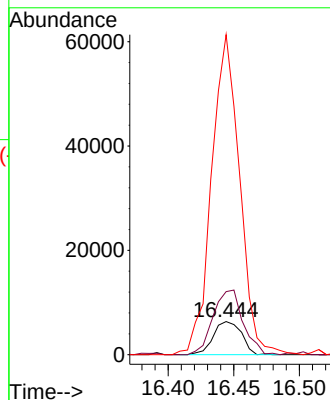
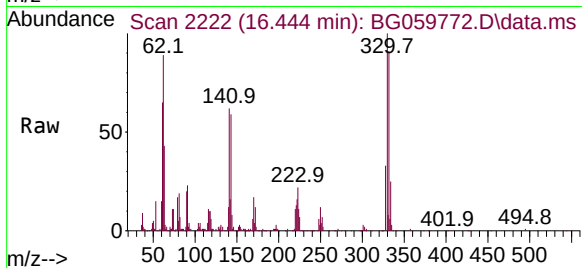
Tgt Ion:248 Resp: 9509

Ion Ratio Lower Upper

248 100

250 247.2 75.2 112.8#

141 964.5 91.5 137.3#



#71

Phenanthrene

Concen: 6.593 ng

RT: 17.749 min Scan# 2444

Delta R.T. -0.013 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

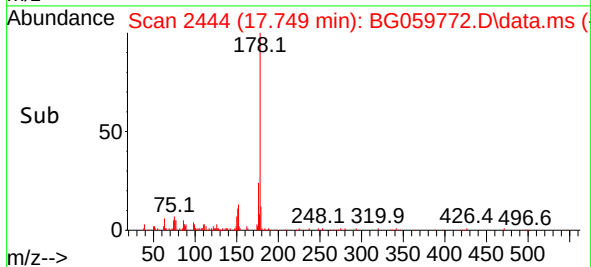
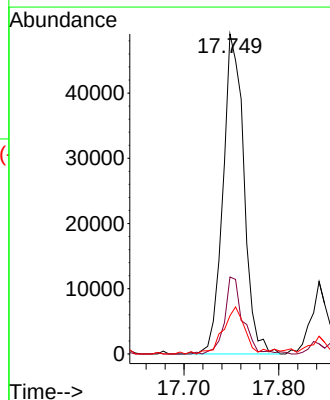
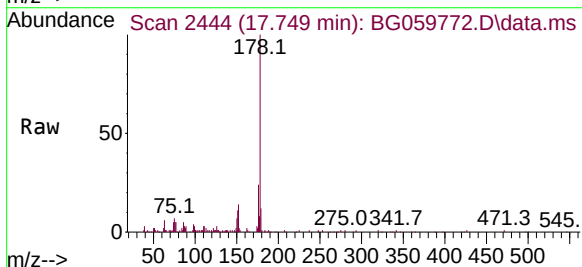
Tgt Ion:178 Resp: 74951

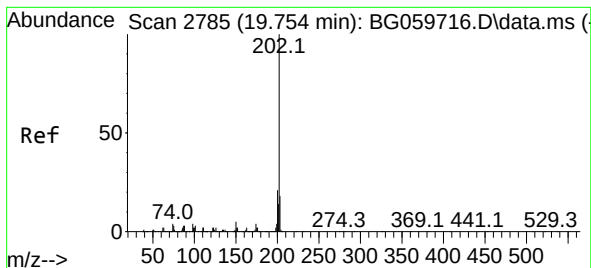
Ion Ratio Lower Upper

178 100

176 24.1 14.5 21.7#

179 12.0 11.2 16.8





#75

Fluoranthene

Concen: 13.741 ng

RT: 19.746 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5

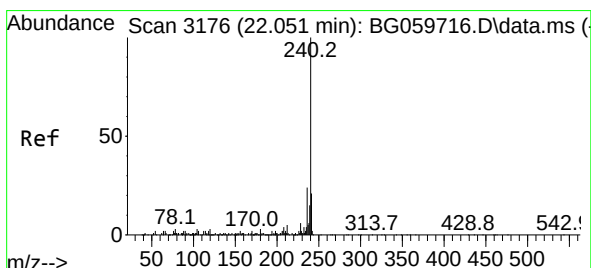
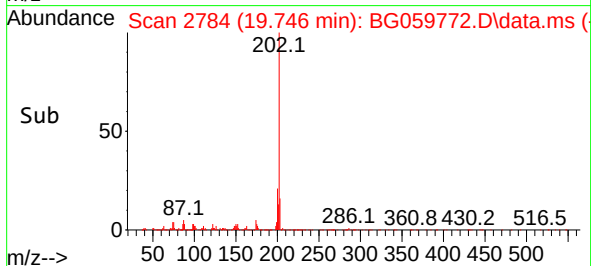
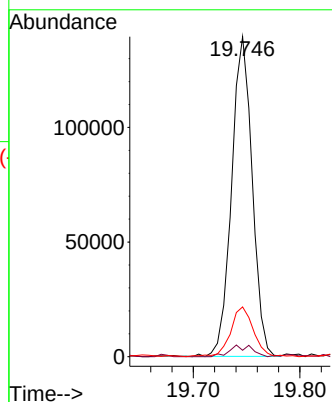
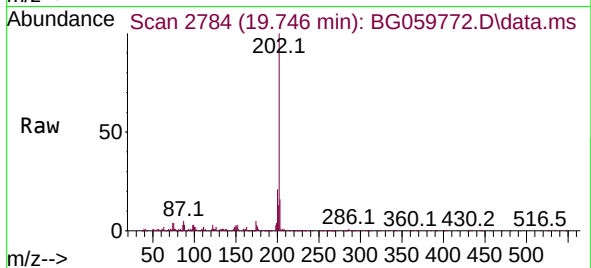
Tgt Ion:202 Resp: 187331

Ion Ratio Lower Upper

202 100

101 2.0 0.0 22.7

203 15.6 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.038 min Scan# 3174

Delta R.T. -0.013 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

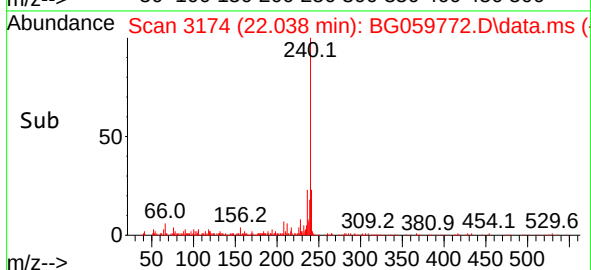
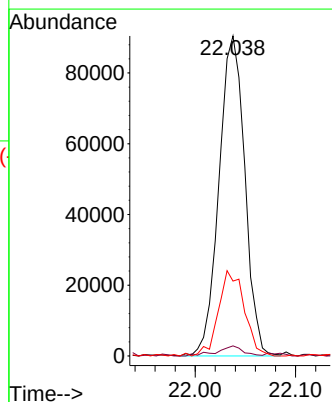
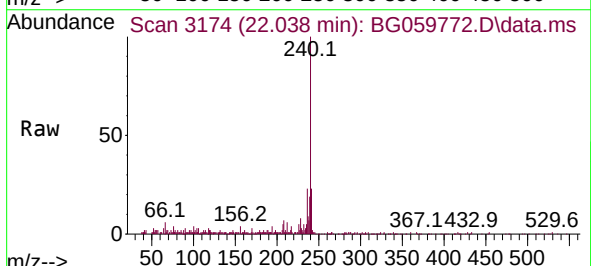
Tgt Ion:240 Resp: 161789

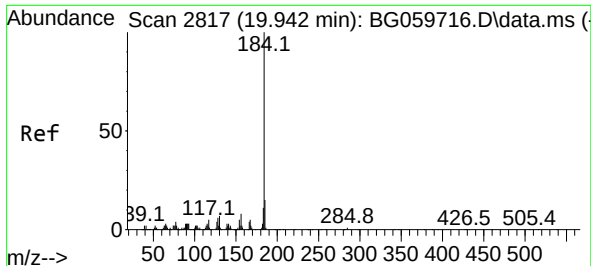
Ion Ratio Lower Upper

240 100

120 3.1 2.2 3.2

236 23.4 19.4 29.2

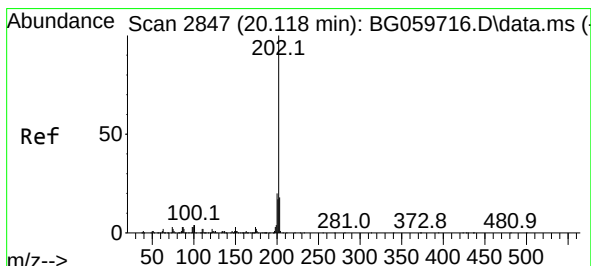
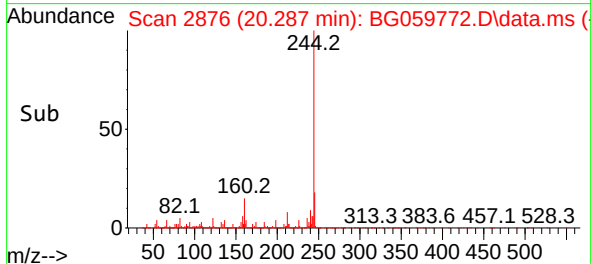
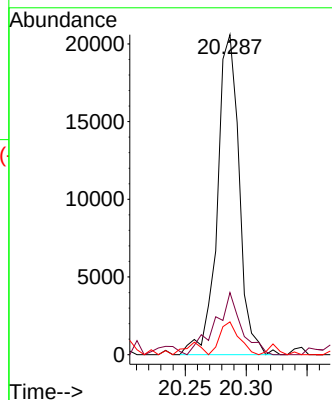
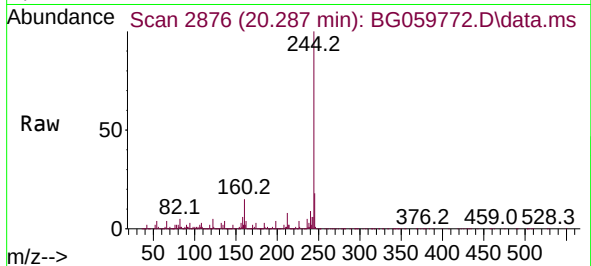




#77
Benzidine
Concen: 7.010 ng
RT: 20.287 min Scan# 21
Delta R.T. 0.345 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

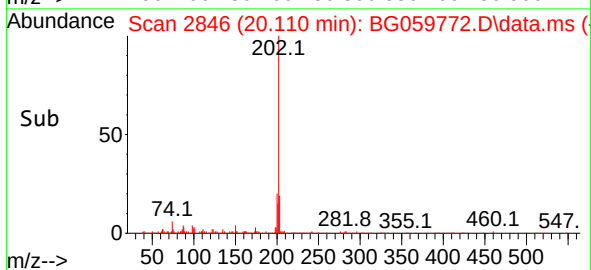
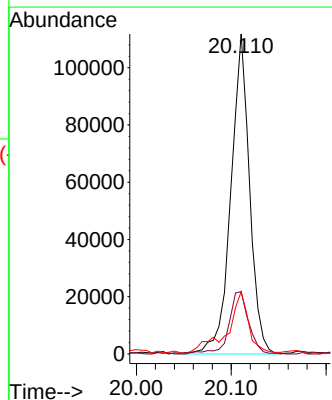
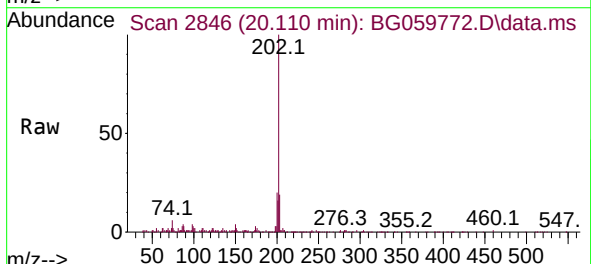
Instrument :
BNA_G
ClientSampleId :
TP-5

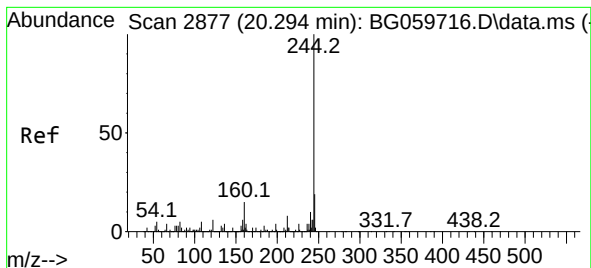
Tgt Ion:184 Resp: 25717
Ion Ratio Lower Upper
184 100
185 19.4 12.2 18.2#
183 10.3 8.8 13.2



#78
Pyrene
Concen: 13.900 ng
RT: 20.110 min Scan# 2846
Delta R.T. -0.007 min
Lab File: BG059772.D
Acq: 20 Nov 2023 17:06

Tgt Ion:202 Resp: 153014
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.4
203 19.4 14.0 21.0





#79

Terphenyl-d14

Concen: 75.544 ng

RT: 20.287 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5

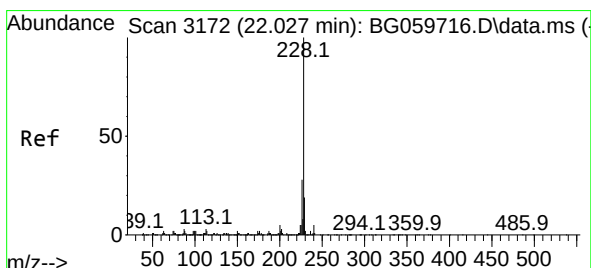
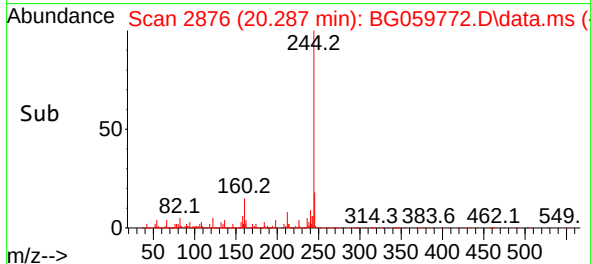
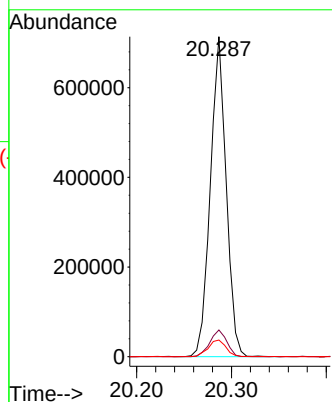
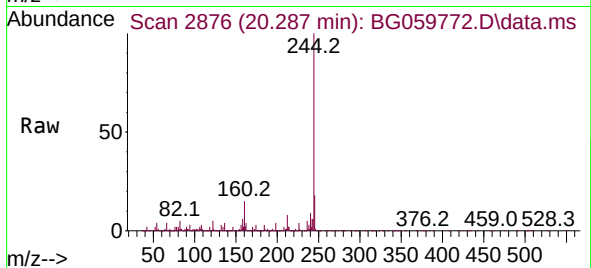
Tgt Ion:244 Resp: 827925

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

122 5.2 4.4 6.6



#81

Benzo(a)anthracene

Concen: 7.004 ng

RT: 22.085 min Scan# 3182

Delta R.T. 0.057 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

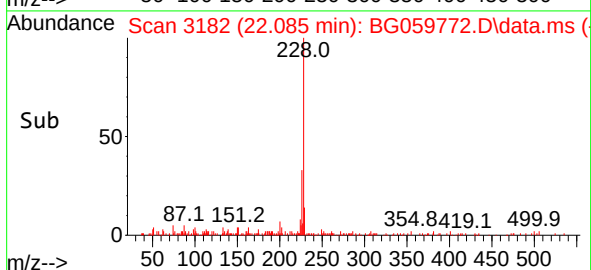
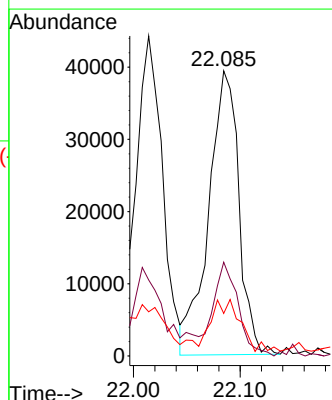
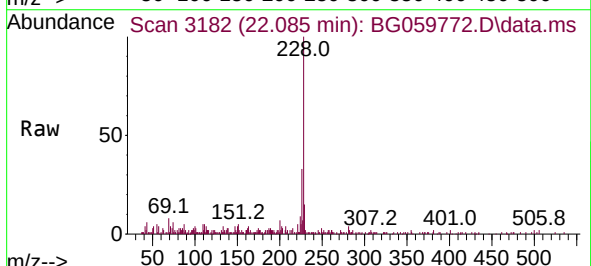
Tgt Ion:228 Resp: 77535

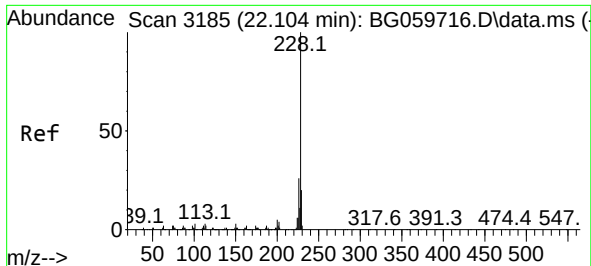
Ion Ratio Lower Upper

228 100

226 32.9 22.1 33.1

229 14.9 14.9 22.3





#83

Chrysene

Concen: 7.641 ng

RT: 22.085 min Scan# 31

Delta R.T. -0.019 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5

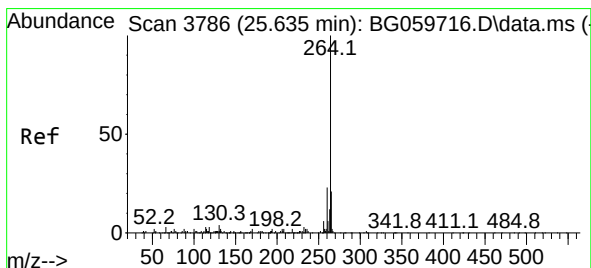
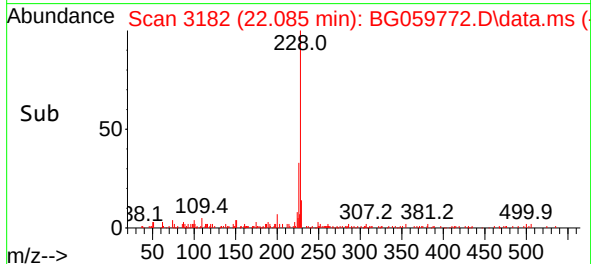
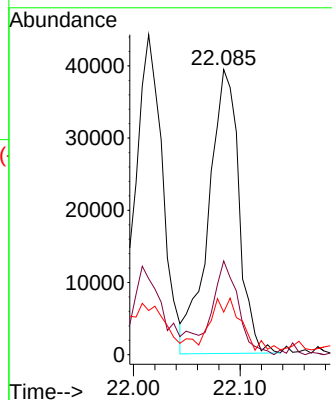
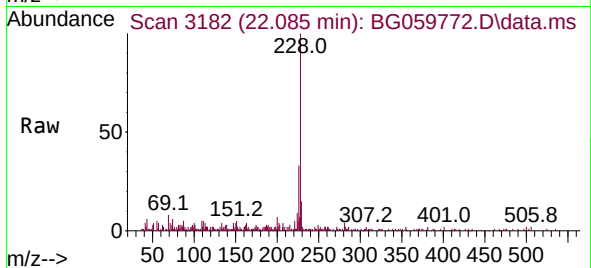
Tgt Ion:228 Resp: 77535

Ion Ratio Lower Upper

228 100

226 32.9 21.1 31.7#

229 14.9 16.2 24.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.622 min Scan# 3784

Delta R.T. -0.013 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

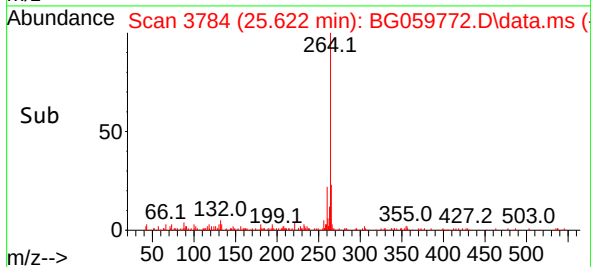
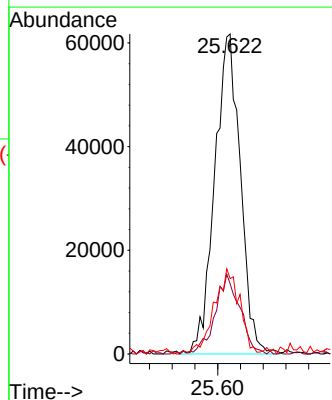
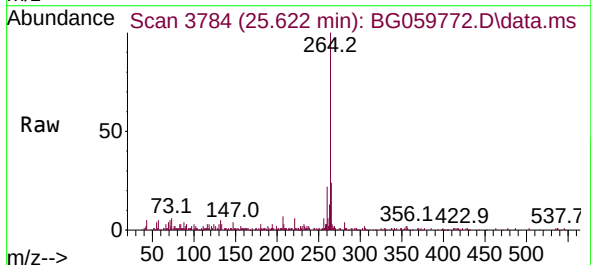
Tgt Ion:264 Resp: 193247

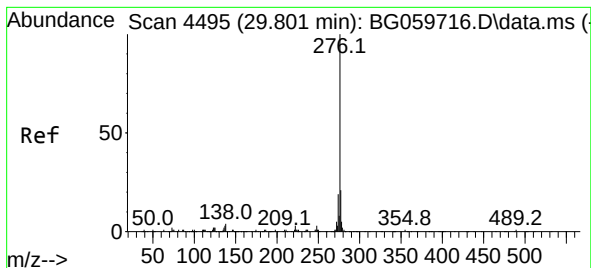
Ion Ratio Lower Upper

264 100

260 21.9 18.5 27.7

265 23.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.590 ng

RT: 29.740 min Scan# 4495

Delta R.T. -0.060 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5

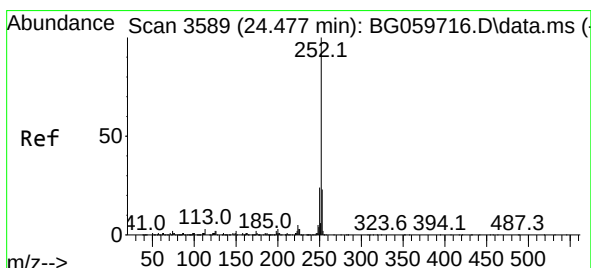
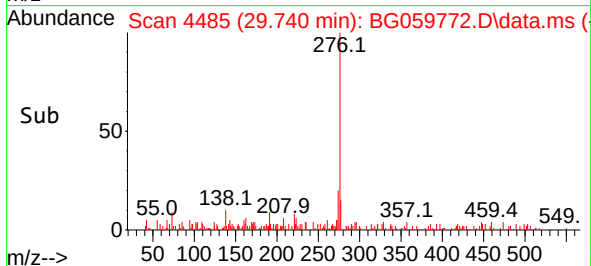
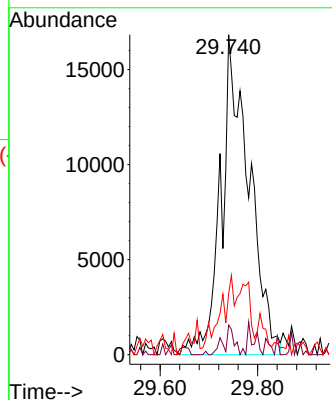
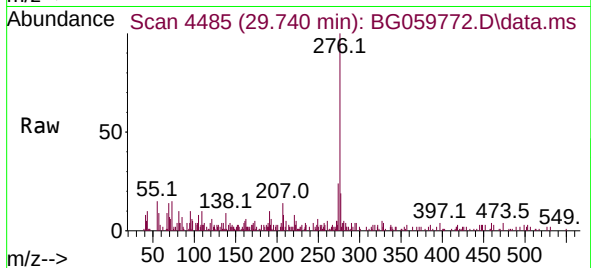
Tgt Ion:276 Resp: 67122

Ion Ratio Lower Upper

276 100

138 2.1 1.8 2.6

277 8.9 9.8 14.6#



#88

Benzo(b)fluoranthene

Concen: 10.569 ng

RT: 24.458 min Scan# 3586

Delta R.T. -0.019 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

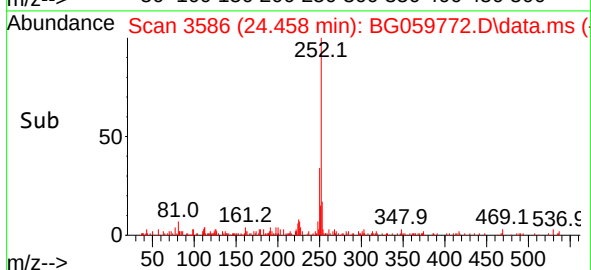
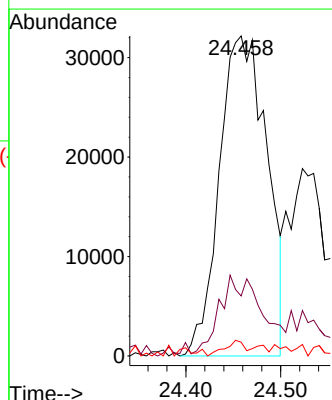
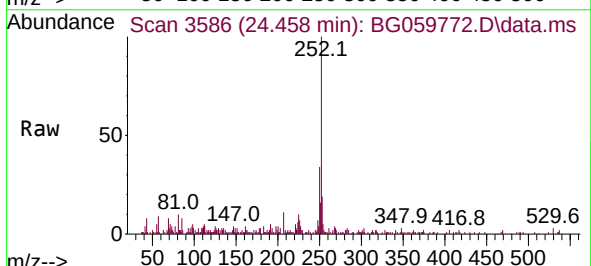
Tgt Ion:252 Resp: 111946

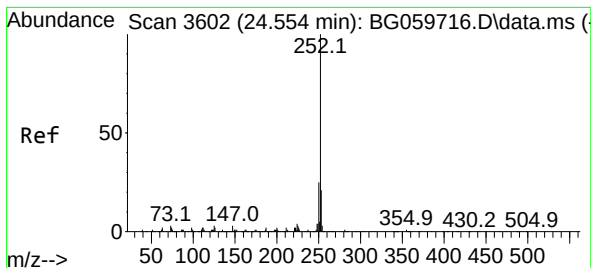
Ion Ratio Lower Upper

252 100

253 18.8 18.3 27.5

125 4.3 1.4 2.0#





#89

Benzo(k)fluoranthene

Concen: 3.776 ng

RT: 24.523 min Scan# 31

Delta R.T. -0.031 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5

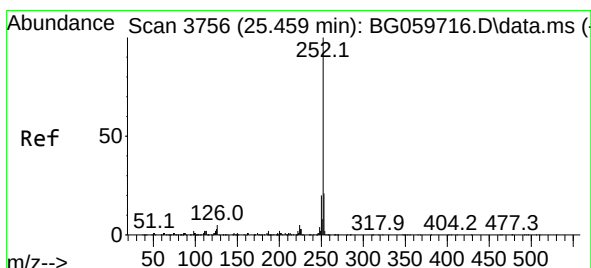
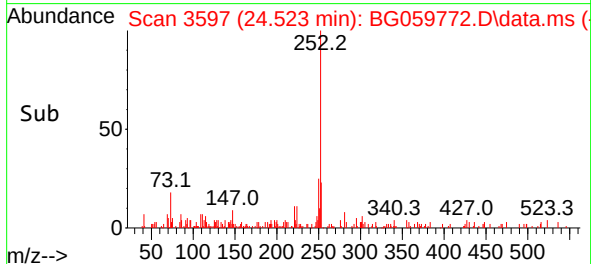
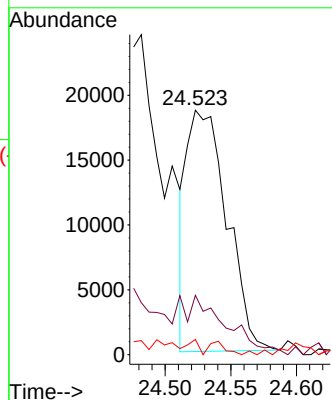
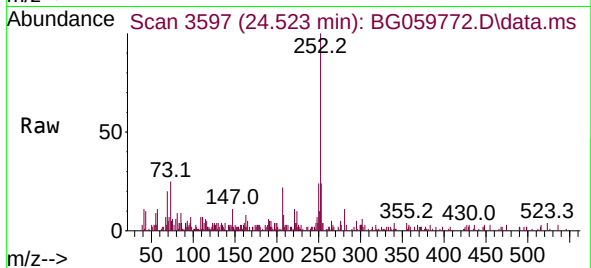
Tgt Ion:252 Resp: 39540

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

125 6.2 2.2 3.2#



#90

Benzo(a)pyrene

Concen: 7.494 ng

RT: 25.434 min Scan# 3752

Delta R.T. -0.025 min

Lab File: BG059772.D

Acq: 20 Nov 2023 17:06

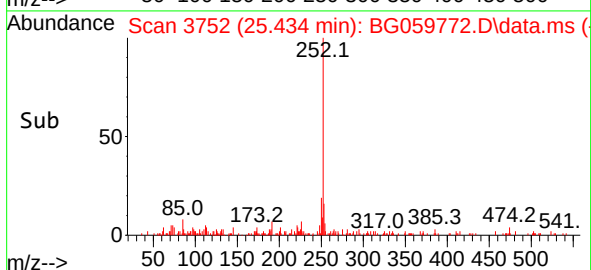
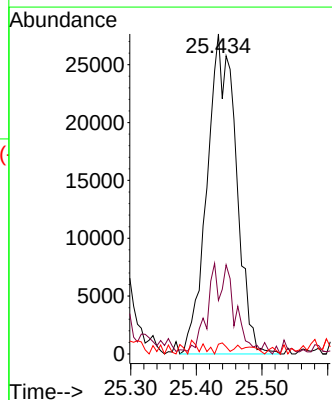
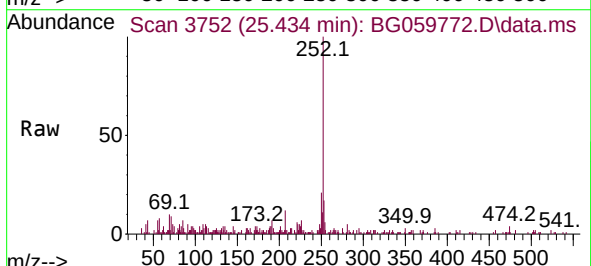
Tgt Ion:252 Resp: 84709

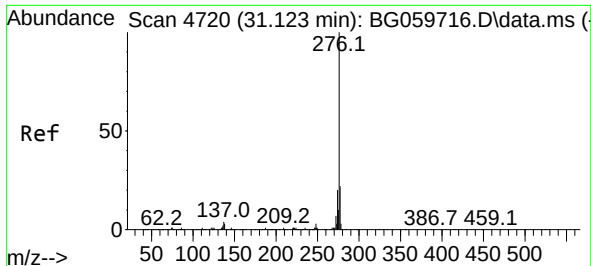
Ion Ratio Lower Upper

252 100

253 16.8 16.8 25.2#

125 3.1 2.0 3.0#





#92

Benzo(g,h,i)perylene

Concen: 2.432 ng

RT: 31.068 min Scan# 41

Delta R.T. -0.054 min

Lab File: BG059772.D

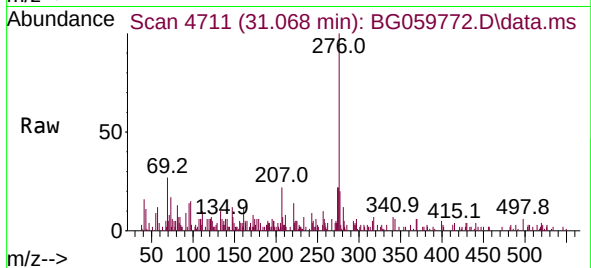
Acq: 20 Nov 2023 17:06

Instrument :

BNA_G

ClientSampleId :

TP-5



Tgt Ion:276 Resp: 28548

Ion Ratio Lower Upper

276 100

277 19.6 17.3 25.9

138 0.0 2.6 4.0#

