

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053741.D
 Acq On : 27 May 2022 20:13
 Operator : CG/JU
 Sample : N3000-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-01-COMP

Quant Time: May 28 02:00:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

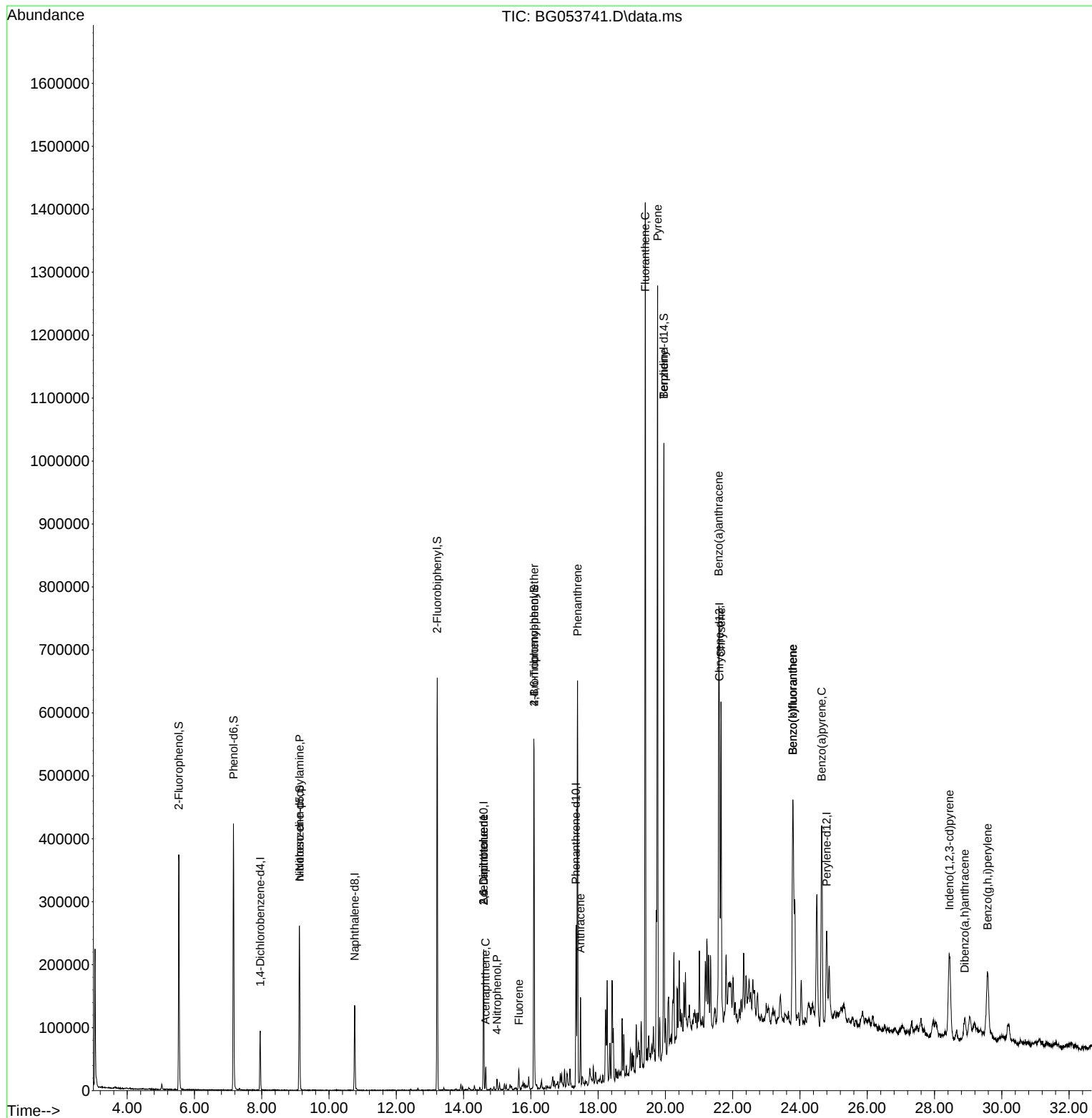
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	24576	20.000	ng	-0.03
21) Naphthalene-d8	10.761	136	105287	20.000	ng	-0.04
39) Acenaphthene-d10	14.597	164	78673	20.000	ng	-0.03
64) Phenanthrene-d10	17.340	188	167074	20.000	ng	-0.03
76) Chrysene-d12	21.605	240	150834	20.000	ng	-0.03
86) Perylene-d12	24.795	264	154642	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.533	112	155342	107.274	ng	-0.02
7) Phenol-d6	7.160	99	236856	107.775	ng	0.00
23) Nitrobenzene-d5	9.122	82	165594	66.951	ng	-0.03
42) 2,4,6-Tribromophenol	16.095	330	110934	95.605	ng	-0.02
45) 2-Fluorobiphenyl	13.216	172	335215	62.263	ng	-0.03
79) Terphenyl-d14	19.954	244	464423	57.346	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.122	70	23240	14.738	ng	# 76
51) 2,6-Dinitrotoluene	14.597	165	10805	8.871	ng	# 16
52) Acenaphthene	14.656	154	13283	3.324	ng	98
56) 4-Nitrophenol	14.990	139	2985	3.176	ng	# 1
57) 2,4-Dinitrotoluene	14.597	165	10805	6.120	ng	# 21
58) Fluorene	15.642	166	12464	2.164	ng	99
67) 4-Bromophenyl-phenylether	16.095	248	7087	3.632	ng	# 1
71) Phenanthrene	17.387	178	394069	46.386	ng	98
72) Anthracene	17.475	178	93189	11.160	ng	100
75) Fluoranthene	19.402	202	862213	78.383	ng	97
77) Benzidine	19.954	184	7980	2.455	ng	# 90
78) Pyrene	19.766	202	806220	82.569	ng	99
81) Benzo(a)anthracene	21.587	228	423759	44.048	ng	98
83) Chrysene	21.652	228	363358	40.440	ng	97
87) Indeno(1,2,3-cd)pyrene	28.443	276	240780	22.356	ng	# 96
88) Benzo(b)fluoranthene	23.790	252	477460	52.161	ng	100
89) Benzo(k)fluoranthene	23.790	252	477460	53.082	ng	99
90) Benzo(a)pyrene	24.648	252	357130	45.839	ng	98
91) Dibenzo(a,h)anthracene	28.901	278	56497	6.366	ng	97
92) Benzo(g,h,i)perylene	29.577	276	230773	26.233	ng	94

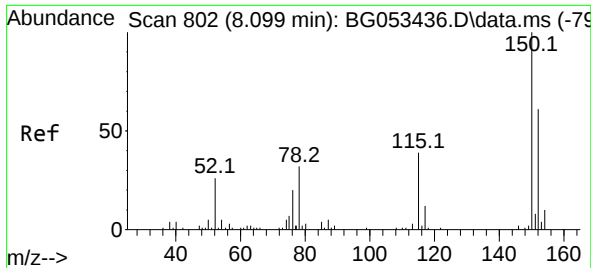
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
Data File : BG053741.D
Acq On : 27 May 2022 20:13
Operator : CG/JU
Sample : N3000-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

Quant Time: May 28 02:00:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 15:11:41 2022
Response via : Initial Calibration

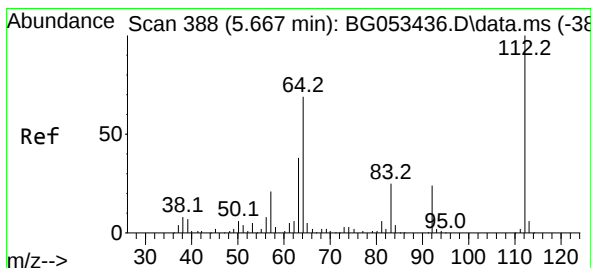
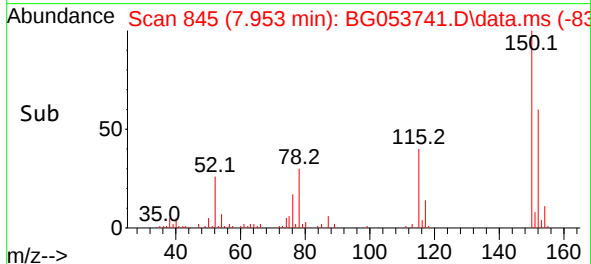
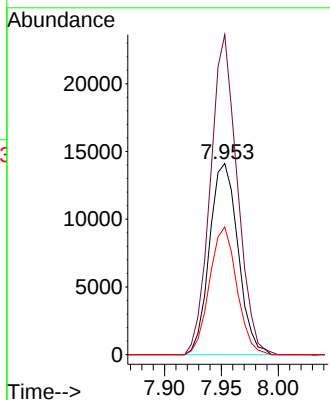
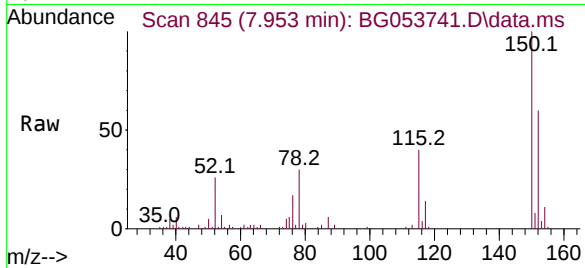




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 84
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

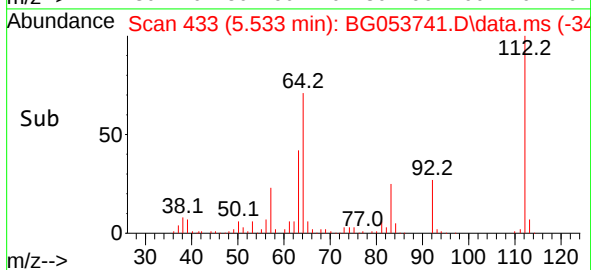
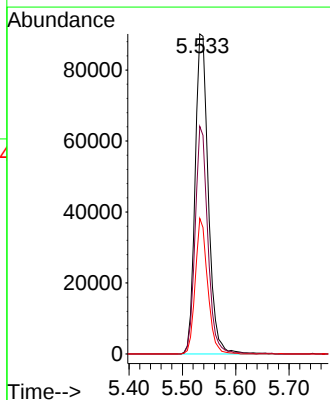
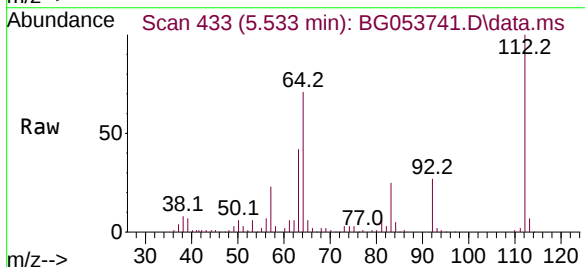
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

Tgt Ion:152 Resp: 24576
Ion Ratio Lower Upper
152 100
150 167.3 131.6 197.4
115 66.8 50.9 76.3



#5
2-Fluorophenol
Concen: 107.274 ng
RT: 5.533 min Scan# 433
Delta R.T. -0.022 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:112 Resp: 155342
Ion Ratio Lower Upper
112 100
64 71.1 55.1 82.7
63 42.4 30.4 45.6

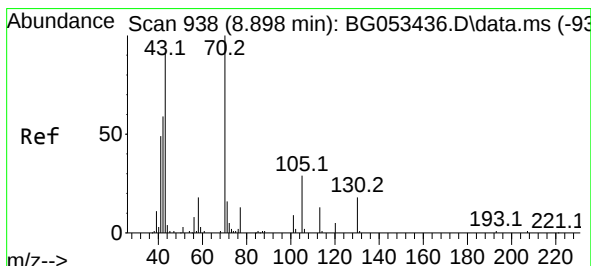
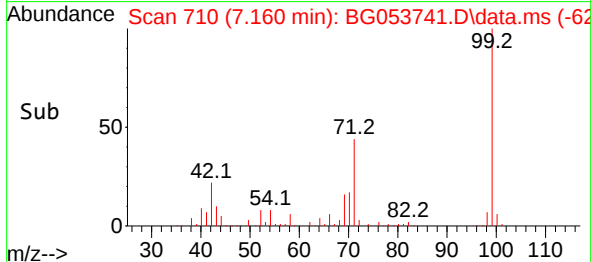
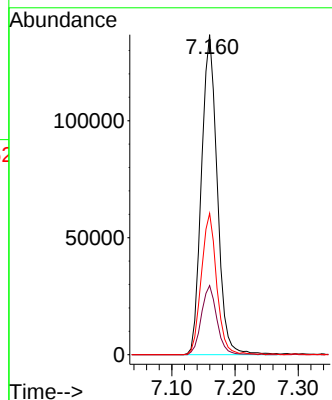
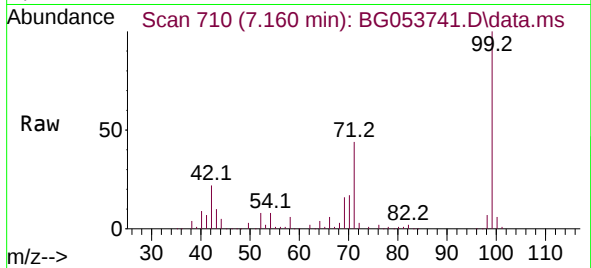




#7
Phenol-d6
Concen: 107.775 ng
RT: 7.160 min Scan# 71
Delta R.T. -0.004 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

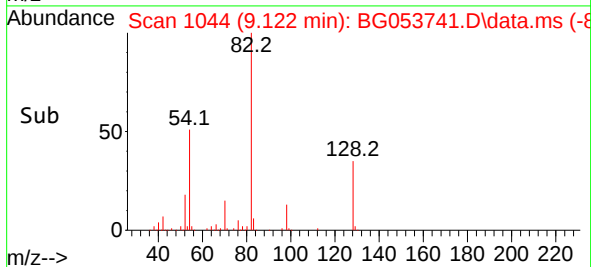
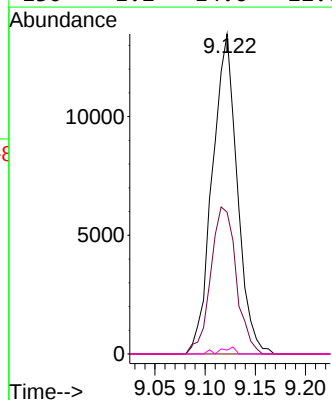
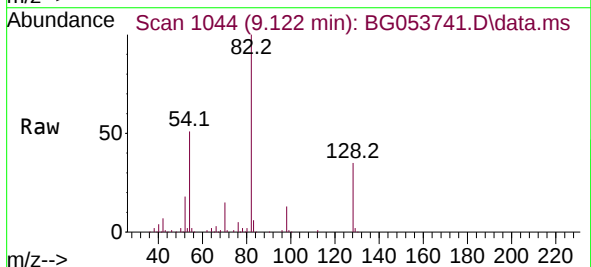
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

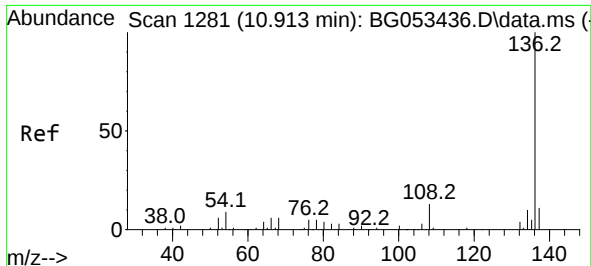
Tgt Ion: 99 Resp: 236856
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 44.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.738 ng
RT: 9.122 min Scan# 1044
Delta R.T. 0.325 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion: 70 Resp: 23240
Ion Ratio Lower Upper
70 100
42 44.3 47.3 70.9#
101 0.0 7.0 10.4#
130 1.2 14.6 22.0#

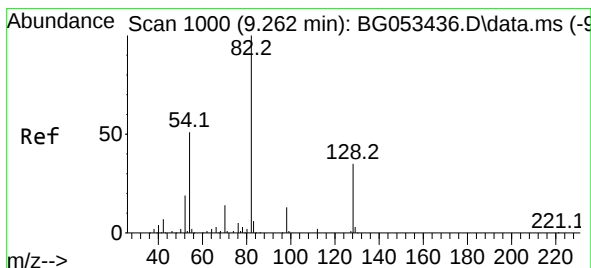
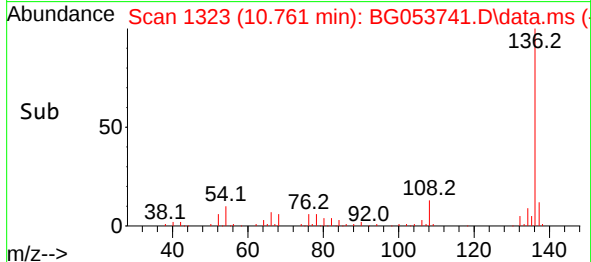
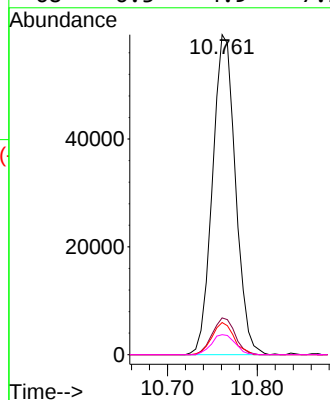
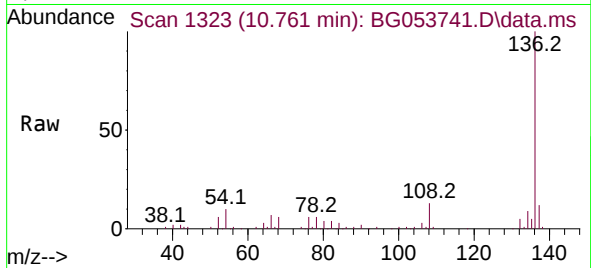




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 11
Delta R.T. -0.039 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

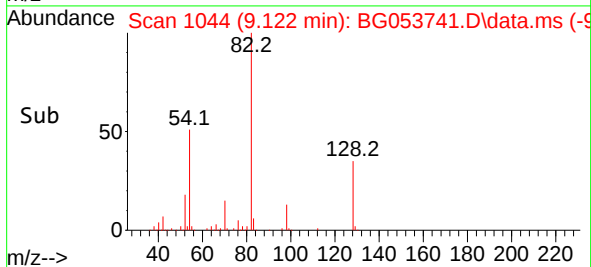
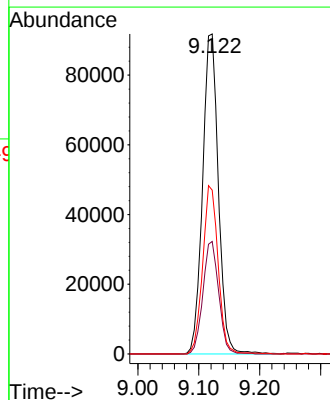
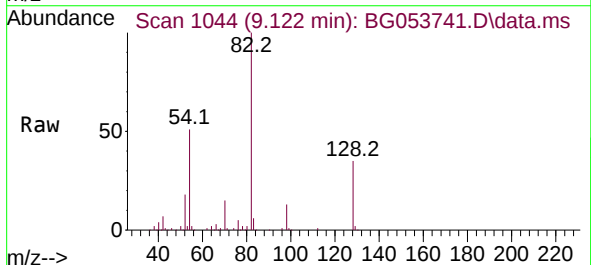
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

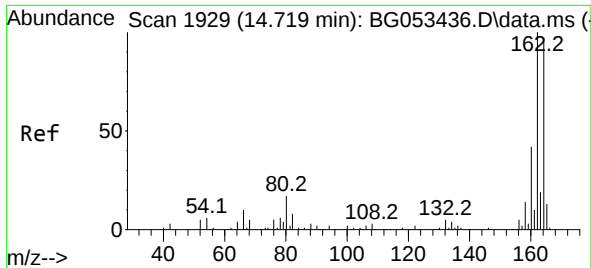
Tgt Ion:	136	Resp:	105287
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	10.0	7.4	11.2
68	6.3	4.9	7.3



#23
Nitrobenzene-d5
Concen: 66.951 ng
RT: 9.122 min Scan# 1044
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:	82	Resp:	165594
Ion Ratio	Lower	Upper	
82	100		
128	35.2	27.9	41.9
54	51.2	41.2	61.8

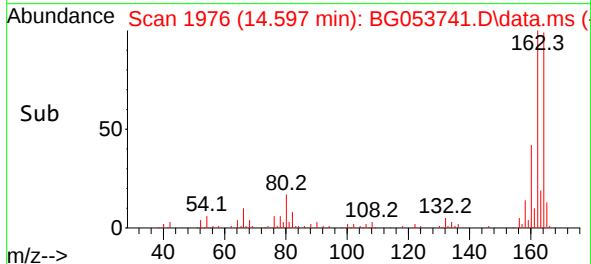
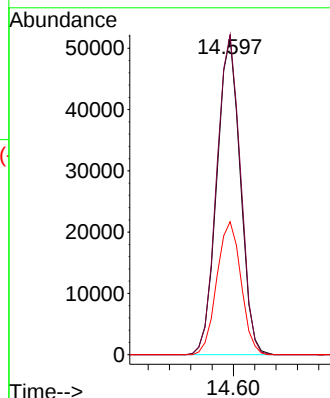
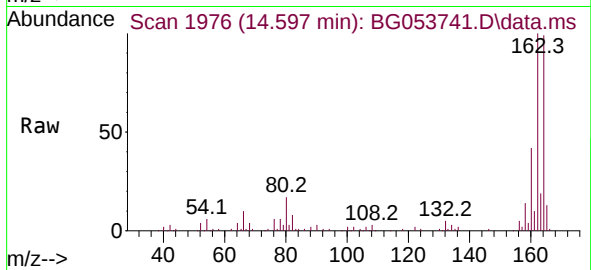




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.597 min Scan# 1929
Delta R.T. -0.027 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

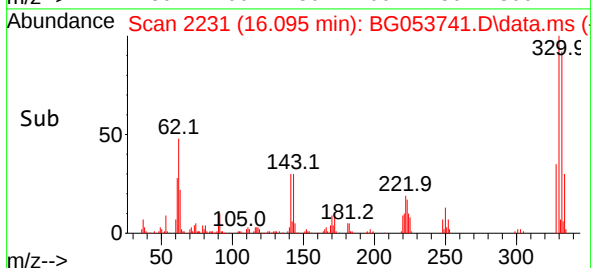
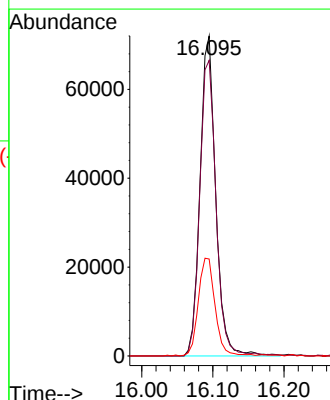
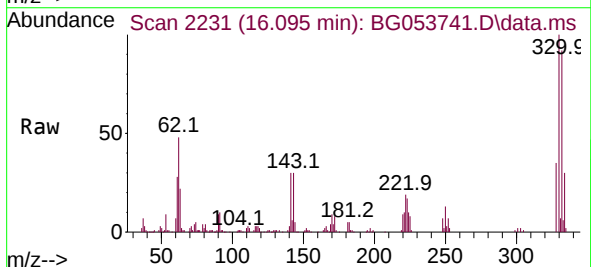
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

Tgt Ion:164 Resp: 78673
Ion Ratio Lower Upper
164 100
162 100.9 82.3 123.5
160 41.9 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 95.605 ng
RT: 16.095 min Scan# 2231
Delta R.T. -0.022 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:330 Resp: 110934
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 32.7 27.1 40.7

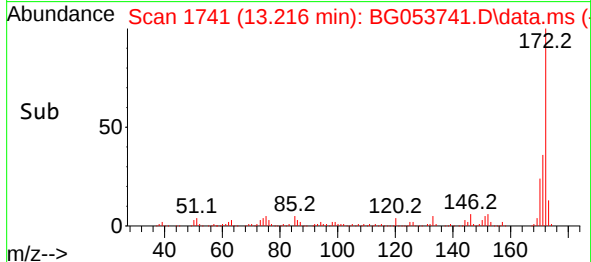
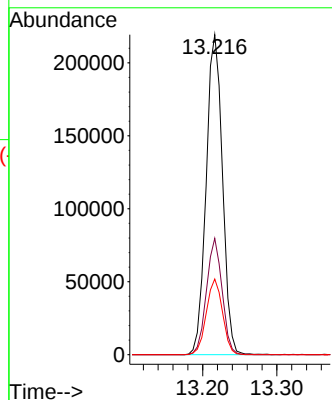
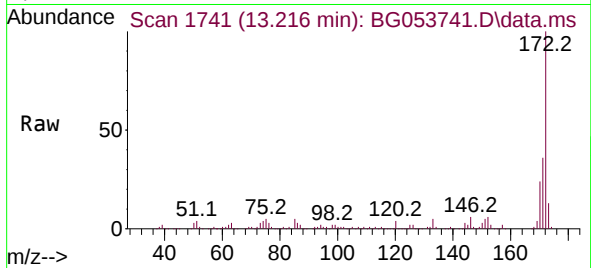




#45
2-Fluorobiphenyl
Concen: 62.263 ng
RT: 13.216 min Scan# 11
Delta R.T. -0.027 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

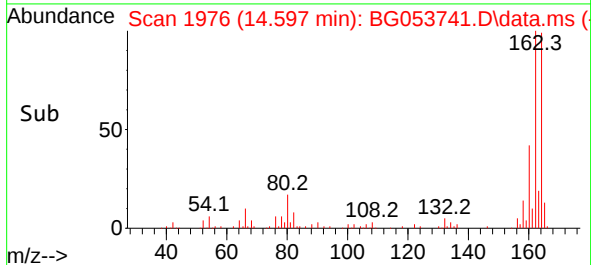
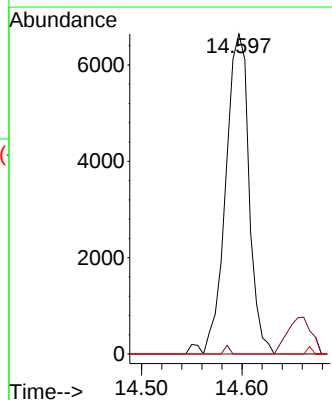
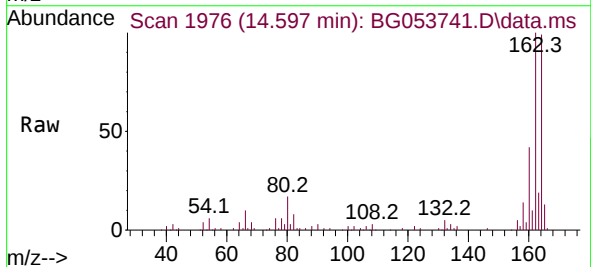
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

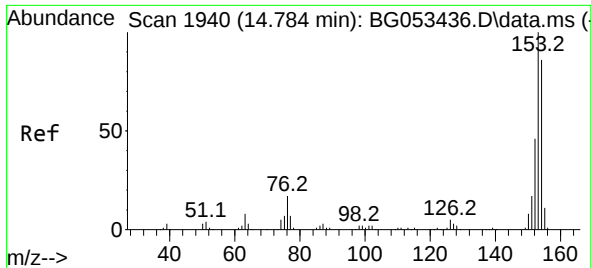
Tgt Ion:172 Resp: 335215
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 23.6 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.871 ng
RT: 14.597 min Scan# 1976
Delta R.T. 0.396 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:165 Resp: 10805
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

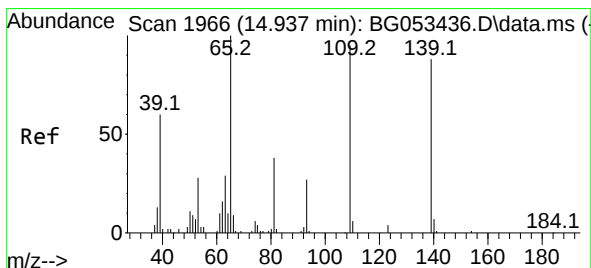
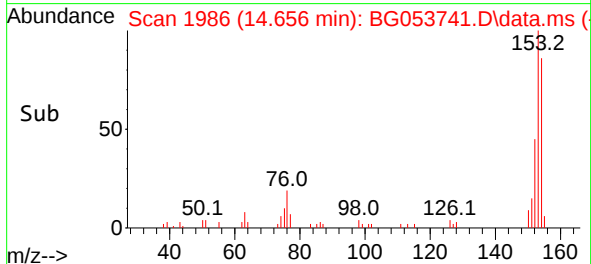
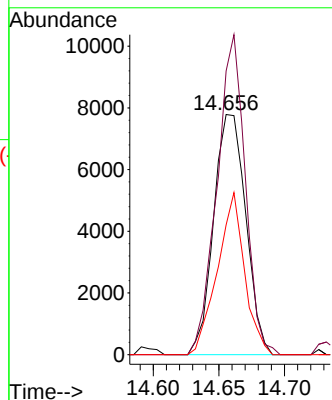
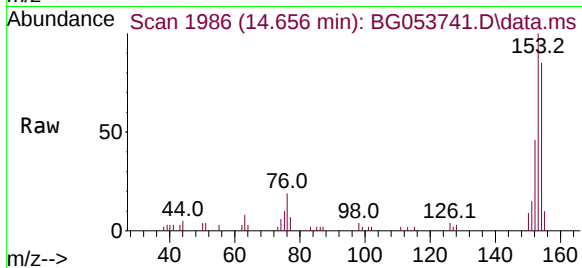




#52
Acenaphthene
Concen: 3.324 ng
RT: 14.656 min Scan# 1940
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

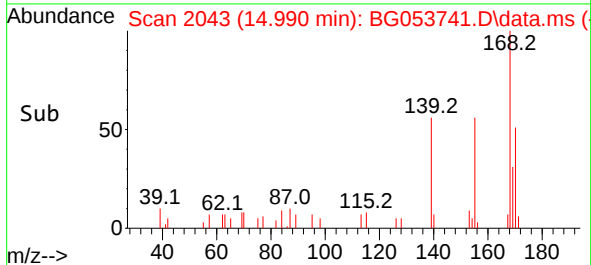
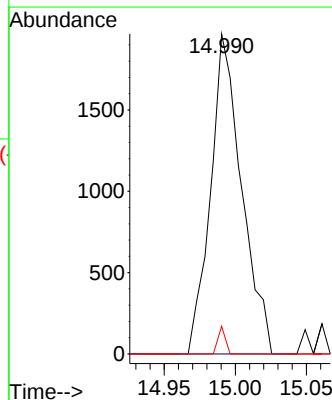
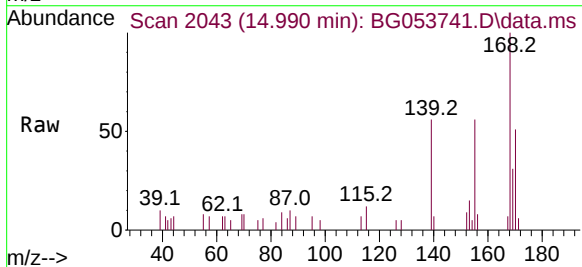
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

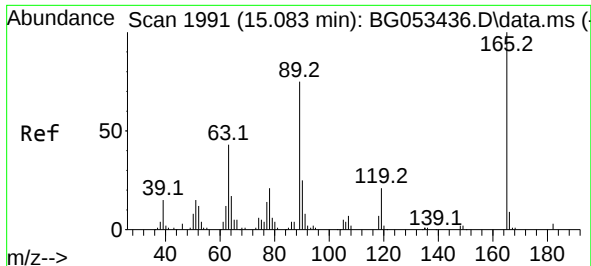
Tgt Ion:154 Resp: 13283
Ion Ratio Lower Upper
154 100
153 118.1 92.7 139.1
152 54.0 42.6 64.0



#56
4-Nitrophenol
Concen: 3.176 ng
RT: 14.990 min Scan# 2043
Delta R.T. 0.125 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:139 Resp: 2985
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 8.6 93.9 133.9#





#57

2,4-Dinitrotoluene

Concen: 6.120 ng

RT: 14.597 min Scan# 1991

Delta R.T. -0.398 min

Lab File: BG053741.D

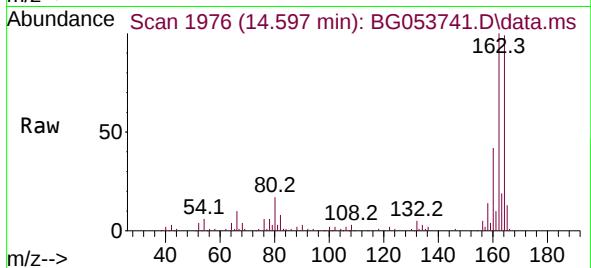
Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

TP-01-COMP



Tgt Ion:165 Resp: 10805

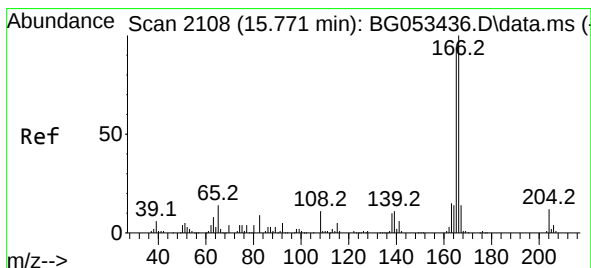
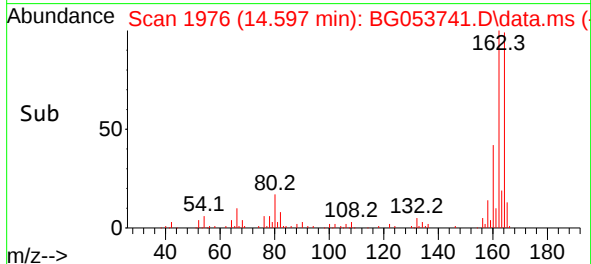
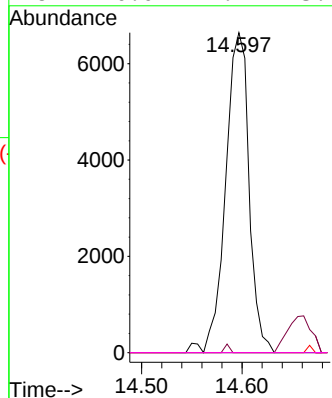
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#58

Fluorene

Concen: 2.164 ng

RT: 15.642 min Scan# 2154

Delta R.T. -0.033 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

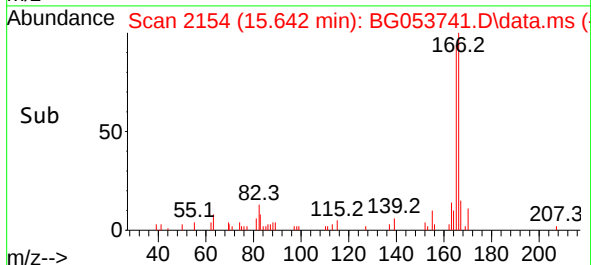
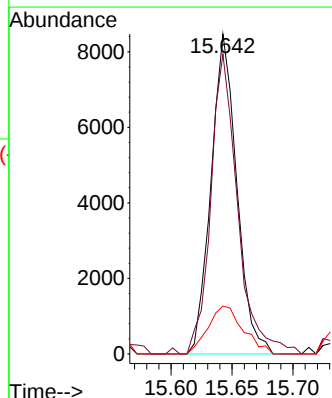
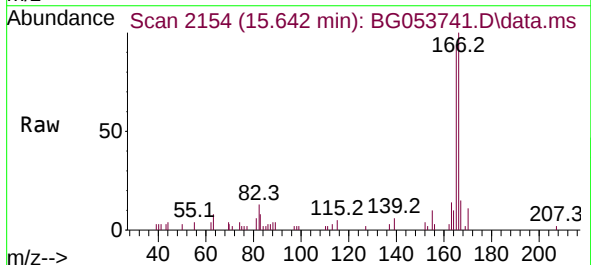
Tgt Ion:166 Resp: 12464

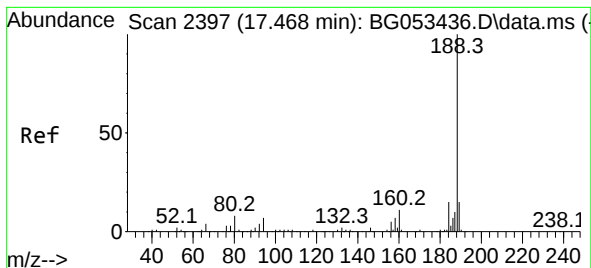
Ion Ratio Lower Upper

166 100

165 93.7 75.0 112.6

167 14.9 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.340 min Scan# 2443

Delta R.T. -0.033 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

TP-01-COMP

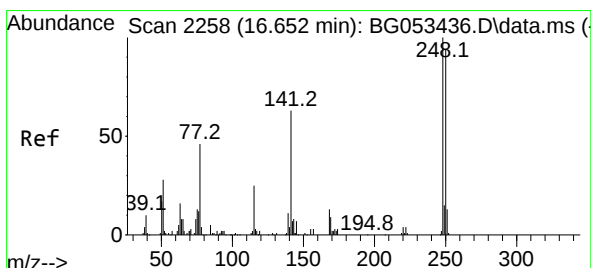
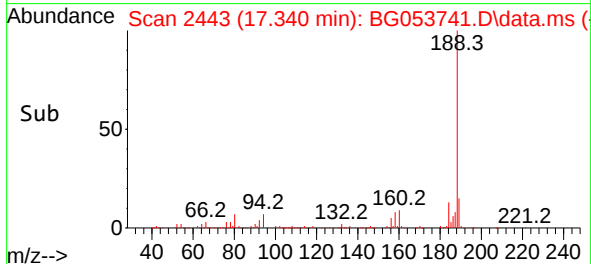
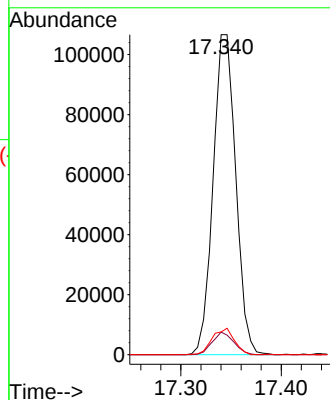
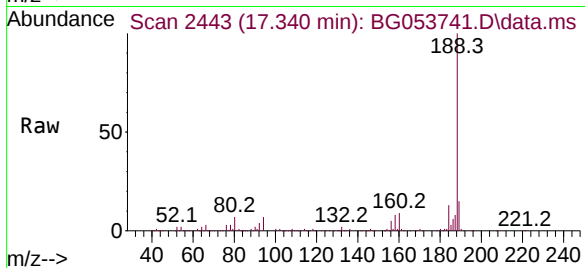
Tgt Ion:188 Resp: 167074

Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.0

80 7.1 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 3.632 ng

RT: 16.095 min Scan# 2231

Delta R.T. -0.456 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

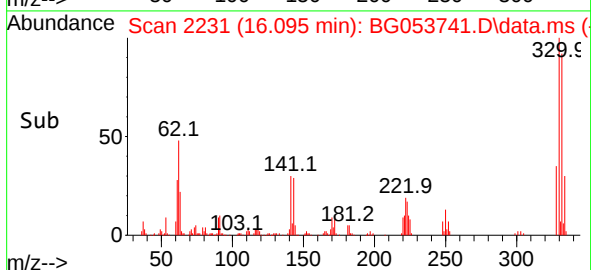
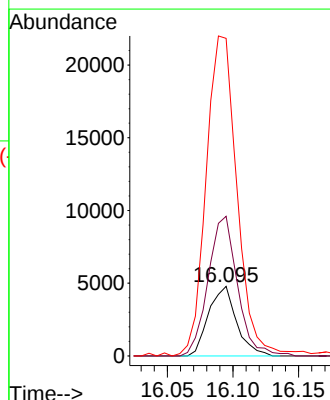
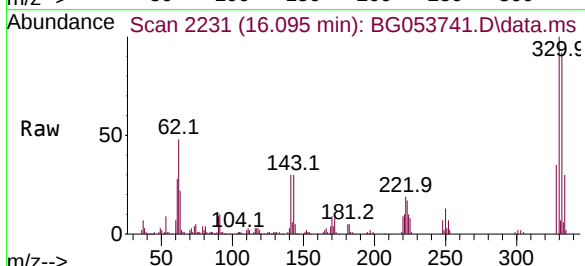
Tgt Ion:248 Resp: 7087

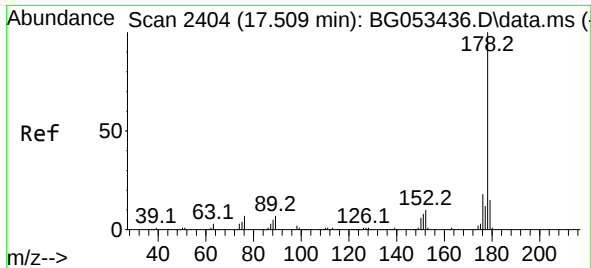
Ion Ratio Lower Upper

248 100

250 200.8 75.2 112.8#

141 456.6 50.0 75.0#

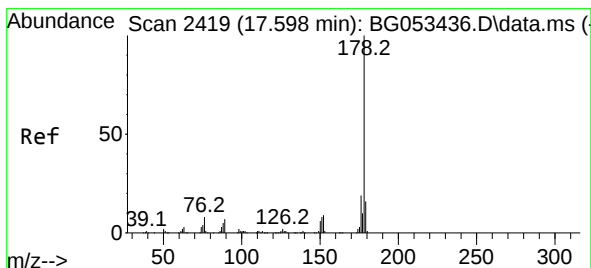
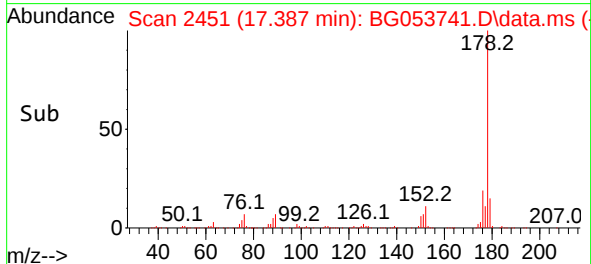
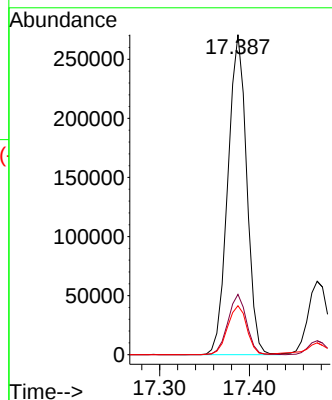
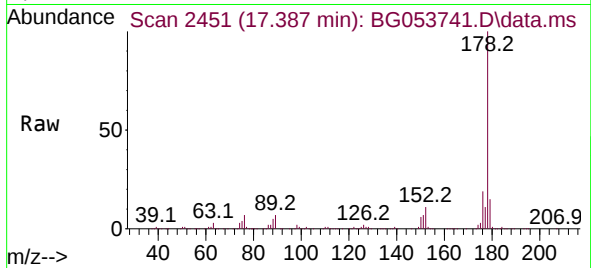




#71
Phenanthrene
Concen: 46.386 ng
RT: 17.387 min Scan# 2404
Delta R.T. -0.027 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

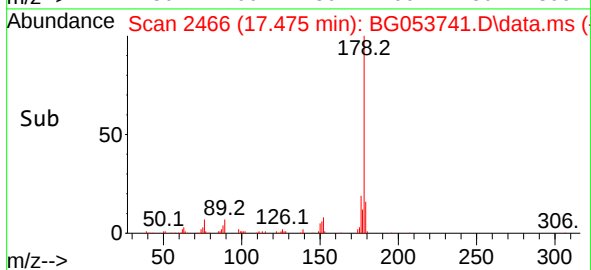
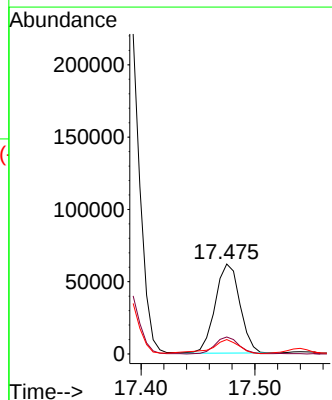
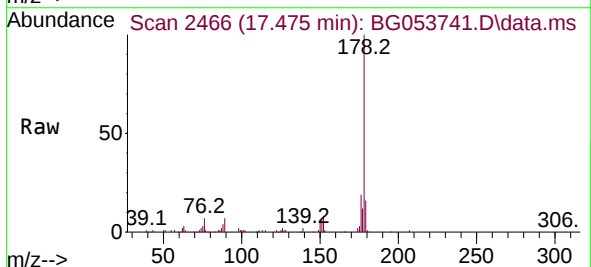
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

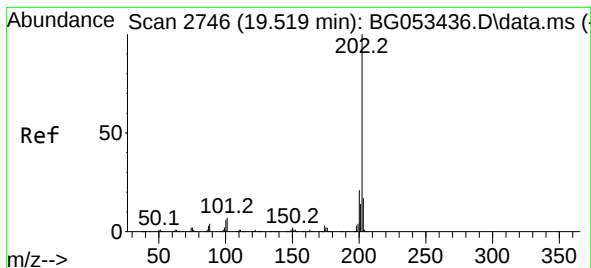
Tgt Ion:178 Resp: 394069
Ion Ratio Lower Upper
178 100
176 18.9 14.1 21.1
179 15.3 12.1 18.1



#72
Anthracene
Concen: 11.160 ng
RT: 17.475 min Scan# 2466
Delta R.T. -0.027 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:178 Resp: 93189
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 16.1 13.0 19.4

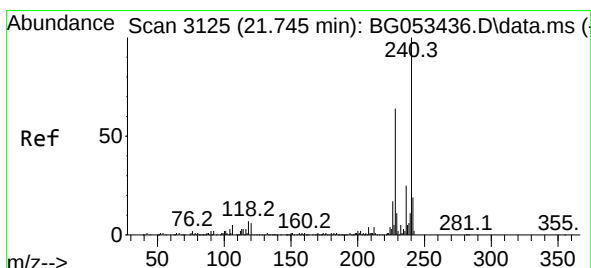
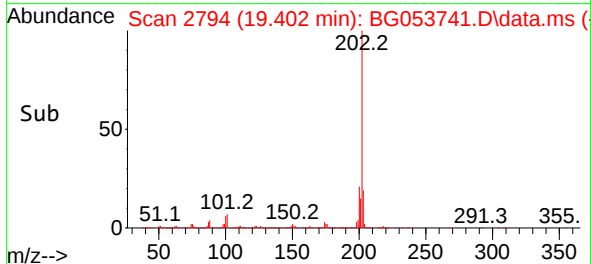
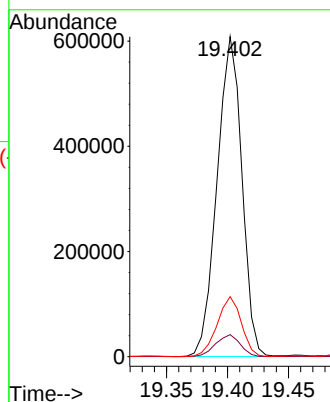
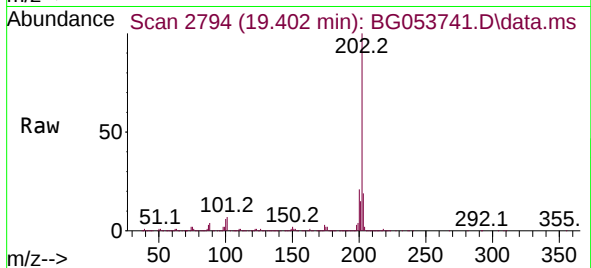




#75
Fluoranthene
Concen: 78.383 ng
RT: 19.402 min Scan# 21
Delta R.T. -0.022 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

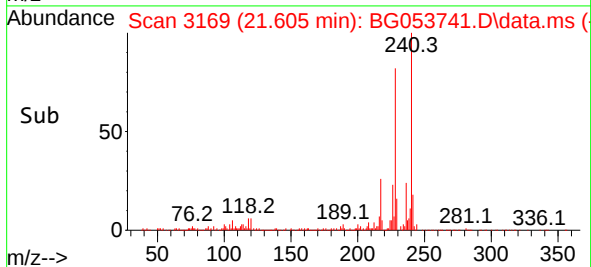
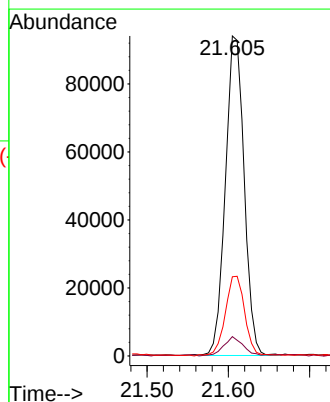
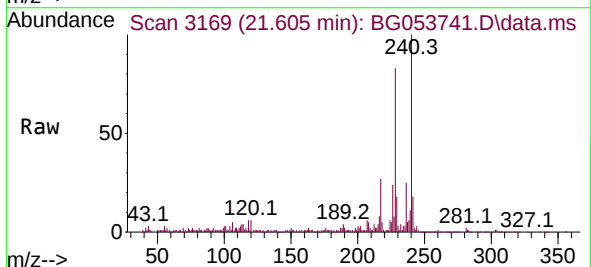
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

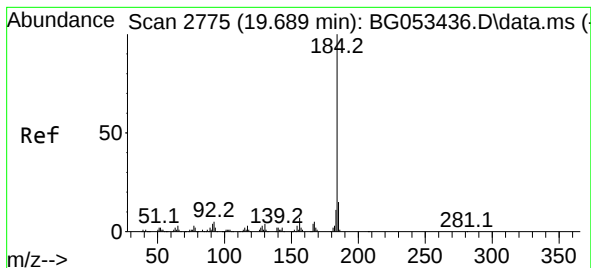
Tgt Ion:202 Resp: 862213
Ion Ratio Lower Upper
202 100
101 6.9 0.0 26.9
203 18.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.605 min Scan# 3169
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:240 Resp: 150834
Ion Ratio Lower Upper
240 100
120 6.1 4.6 7.0
236 24.8 20.2 30.4





#77

Benzidine

Concen: 2.455 ng

RT: 19.954 min Scan# 2

Delta R.T. 0.354 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

TP-01-COMP

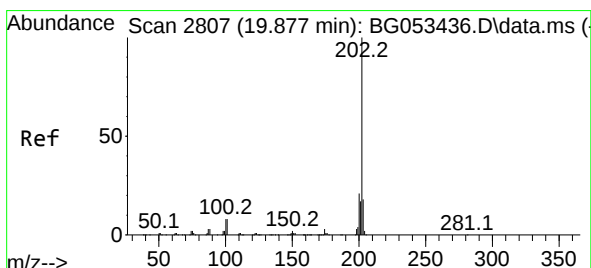
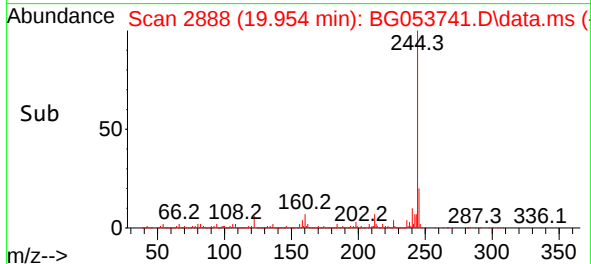
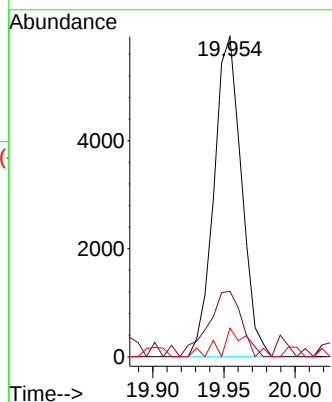
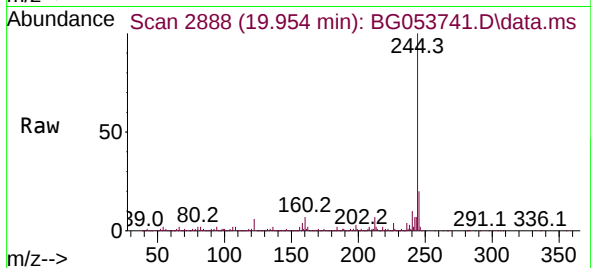
Tgt Ion:184 Resp: 7980

Ion Ratio Lower Upper

184 100

185 20.5 11.8 17.6#

183 8.9 8.9 13.3



#78

Pyrene

Concen: 82.569 ng

RT: 19.766 min Scan# 2856

Delta R.T. -0.022 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

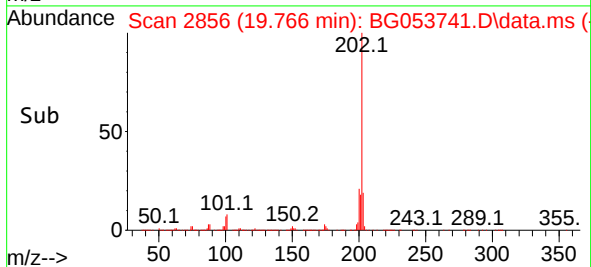
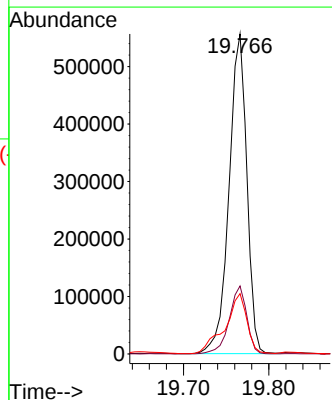
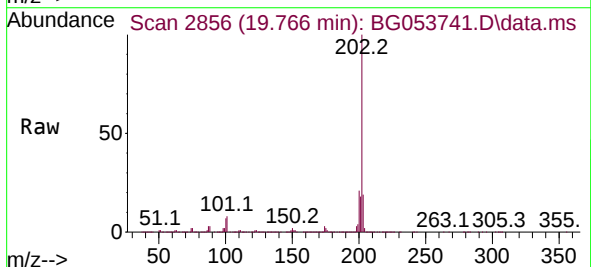
Tgt Ion:202 Resp: 806220

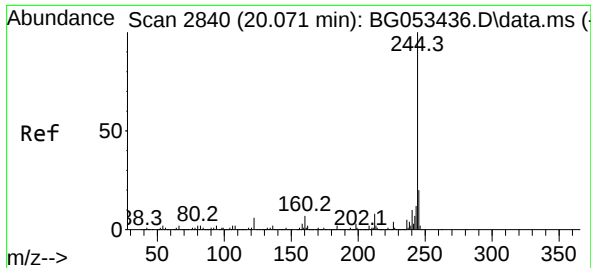
Ion Ratio Lower Upper

202 100

200 21.2 16.6 24.8

203 18.9 14.6 21.8

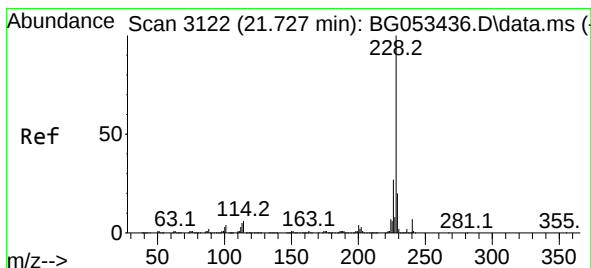
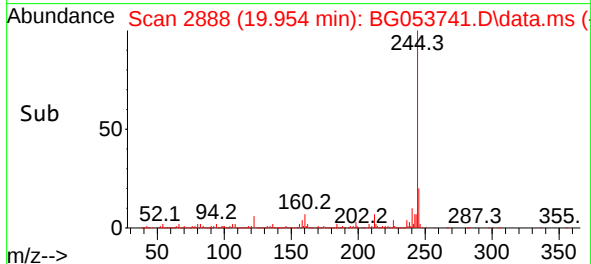
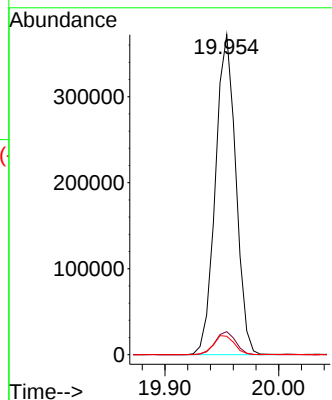
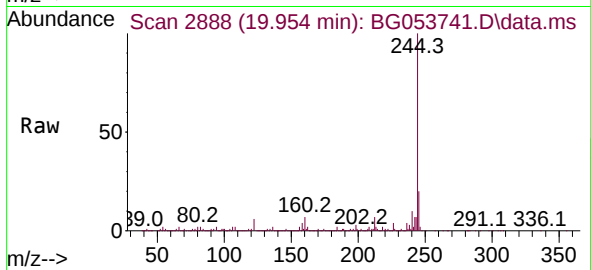




#79
 Terphenyl-d14
 Concen: 57.346 ng
 RT: 19.954 min Scan# 21
 Delta R.T. -0.022 min
 Lab File: BG053741.D
 Acq: 27 May 2022 20:13

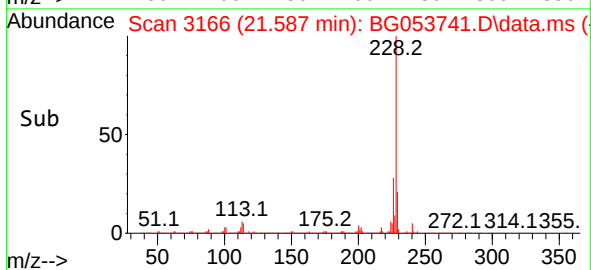
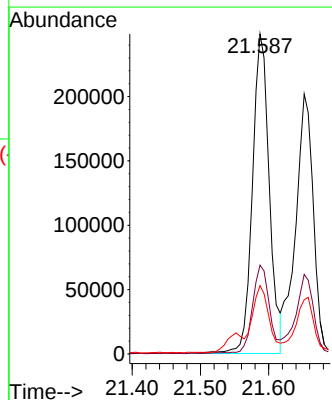
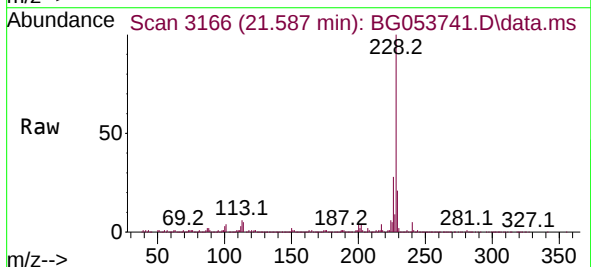
Instrument :
 BNA_G
 ClientSampleId :
 TP-01-COMP

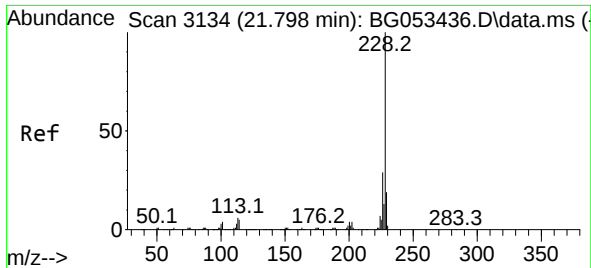
Tgt Ion:244 Resp: 464423
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 5.8 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 44.048 ng
 RT: 21.587 min Scan# 3166
 Delta R.T. -0.027 min
 Lab File: BG053741.D
 Acq: 27 May 2022 20:13

Tgt Ion:228 Resp: 423759
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 21.4 16.2 24.2

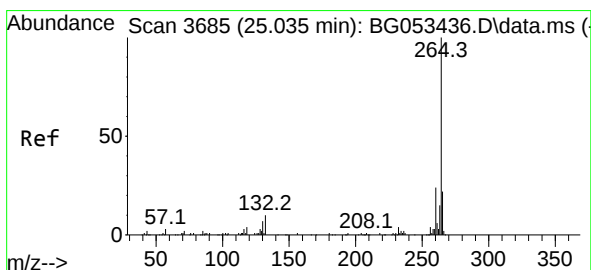
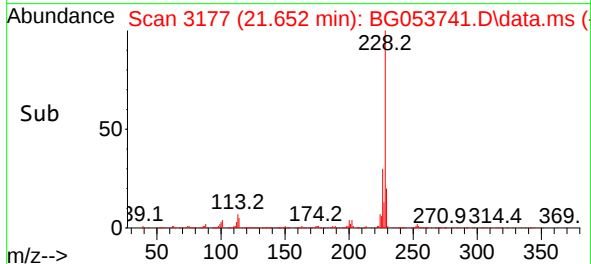
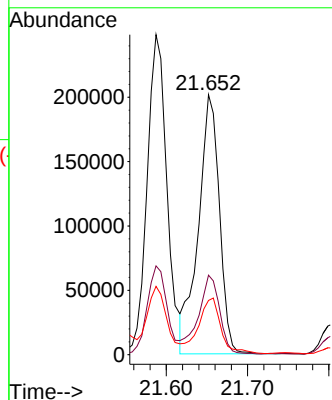
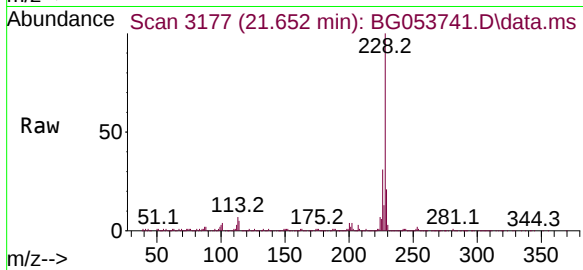




#83
Chrysene
Concen: 40.440 ng
RT: 21.652 min Scan# 31
Delta R.T. -0.033 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

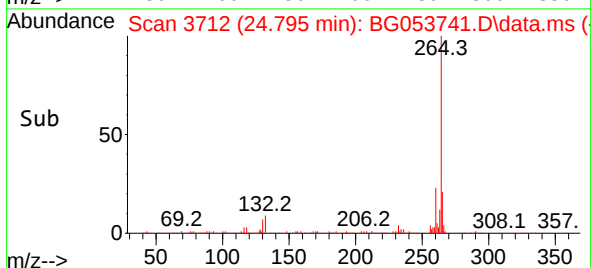
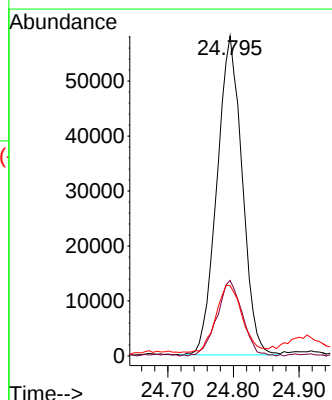
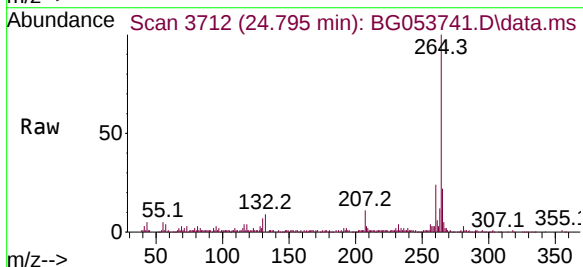
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

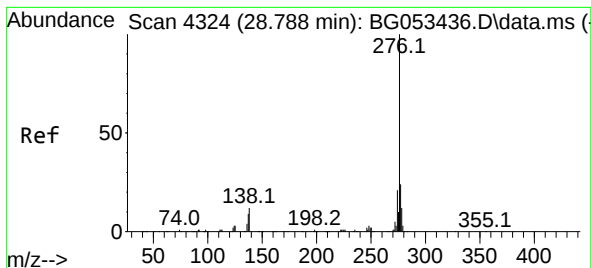
Tgt Ion:228 Resp: 363358
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 20.9 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.795 min Scan# 3712
Delta R.T. -0.045 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:264 Resp: 154642
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 21.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 22.356 ng

RT: 28.443 min Scan# 41

Delta R.T. -0.069 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

TP-01-COMP

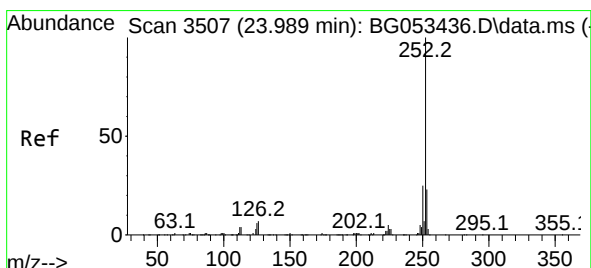
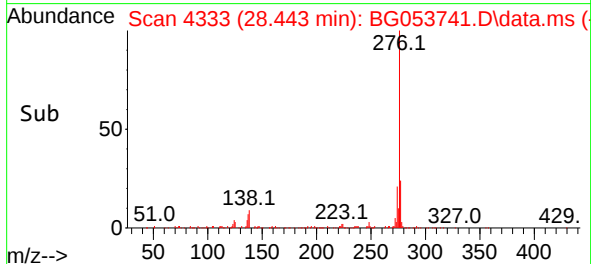
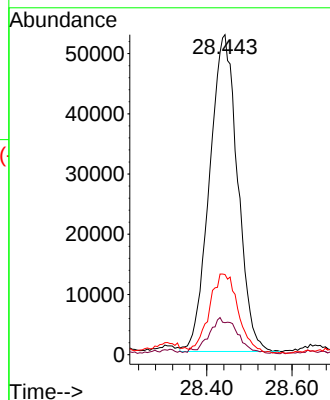
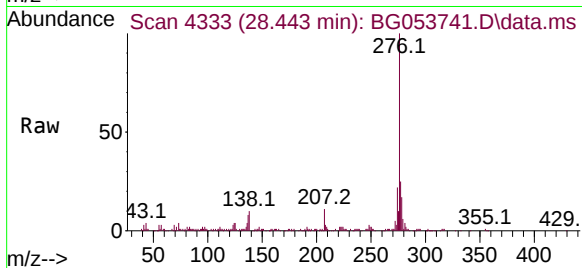
Tgt Ion:276 Resp: 240780

Ion Ratio Lower Upper

276 100

138 11.3 5.0 7.4#

277 25.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 52.161 ng

RT: 23.790 min Scan# 3541

Delta R.T. -0.033 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

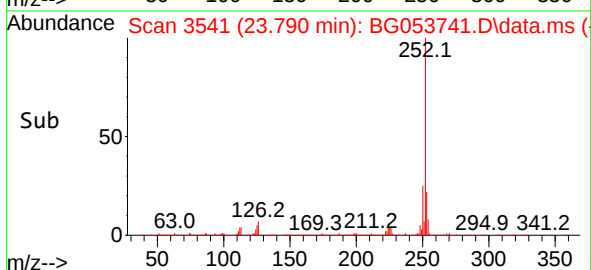
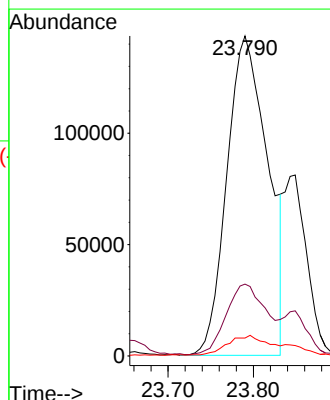
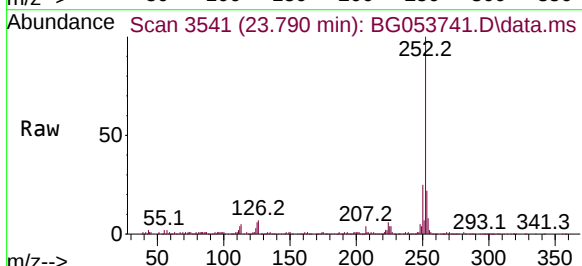
Tgt Ion:252 Resp: 477460

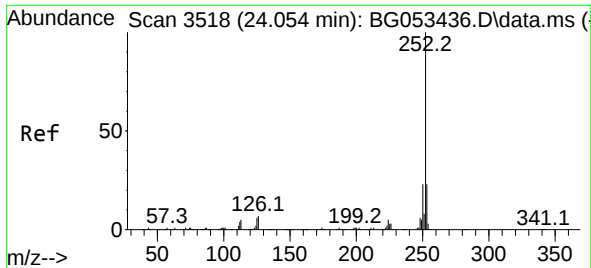
Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 5.6 4.6 6.8

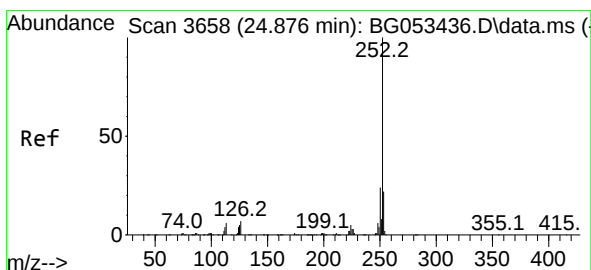
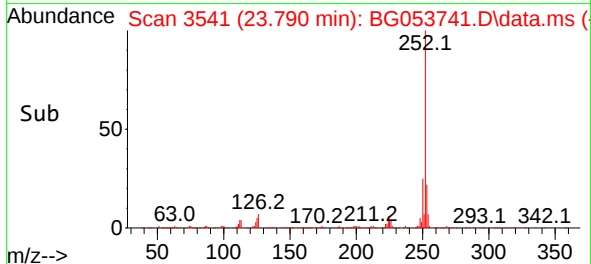
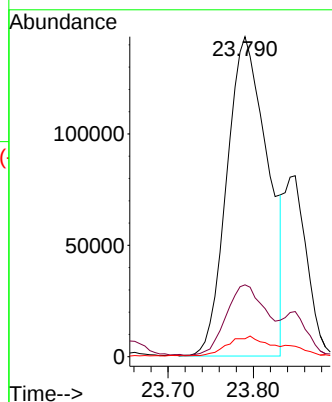
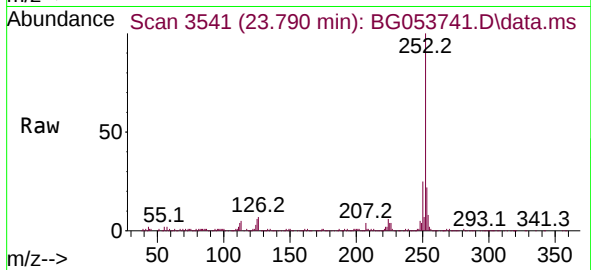




#89
Benzo(k)fluoranthene
Concen: 53.082 ng
RT: 23.790 min Scan# 31
Delta R.T. -0.098 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

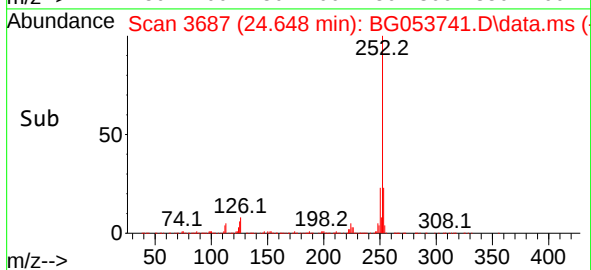
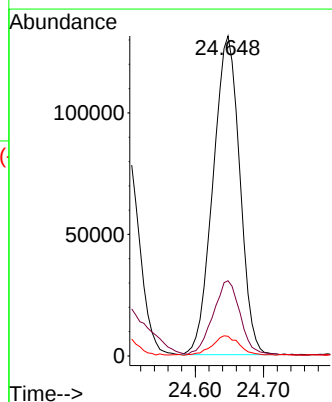
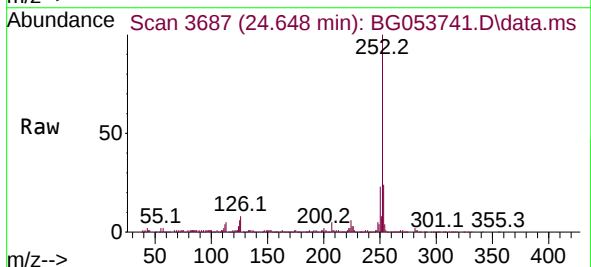
Instrument :
BNA_G
ClientSampleId :
TP-01-COMP

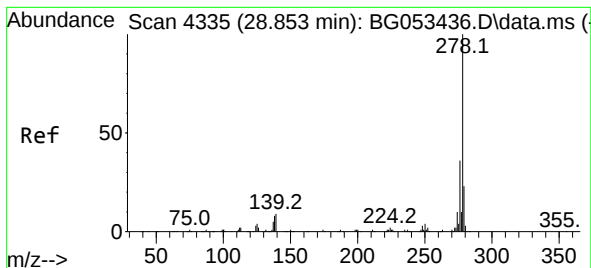
Tgt Ion:252 Resp: 477460
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 5.6 4.8 7.2



#90
Benzo(a)pyrene
Concen: 45.839 ng
RT: 24.648 min Scan# 3687
Delta R.T. -0.039 min
Lab File: BG053741.D
Acq: 27 May 2022 20:13

Tgt Ion:252 Resp: 357130
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 6.1 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 6.366 ng

RT: 28.901 min Scan# 4411

Delta R.T. 0.349 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

Instrument :

BNA_G

ClientSampleId :

TP-01-COMP

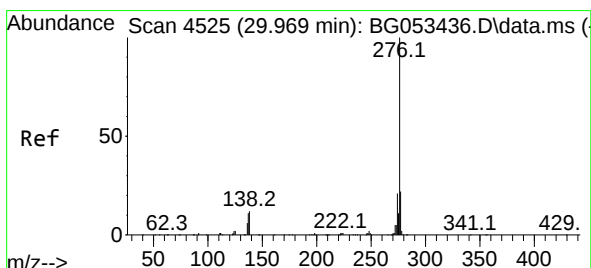
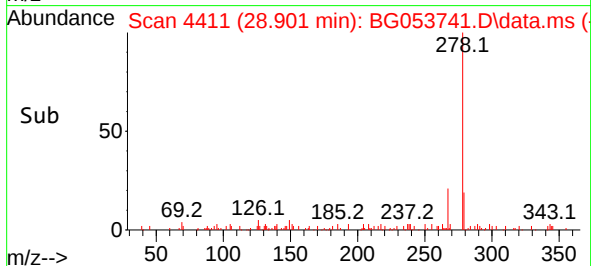
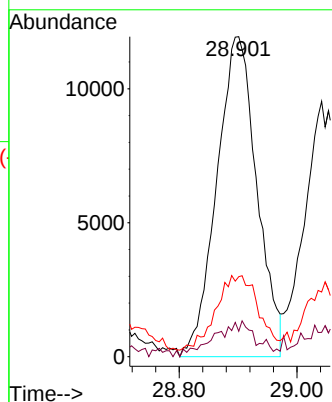
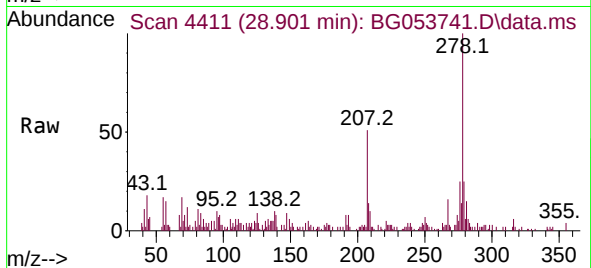
Tgt Ion:278 Resp: 56497

Ion Ratio Lower Upper

278 100

139 7.9 7.2 10.8

279 25.0 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 26.233 ng

RT: 29.577 min Scan# 4526

Delta R.T. -0.074 min

Lab File: BG053741.D

Acq: 27 May 2022 20:13

Tgt Ion:276 Resp: 230773

Ion Ratio Lower Upper

276 100

277 24.8 17.3 25.9

138 10.3 9.6 14.4

