

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053048.D
 Acq On : 6 Apr 2022 1:41
 Operator : CG/JU
 Sample : N2257-11 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Quant Time: Apr 06 04:16:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

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

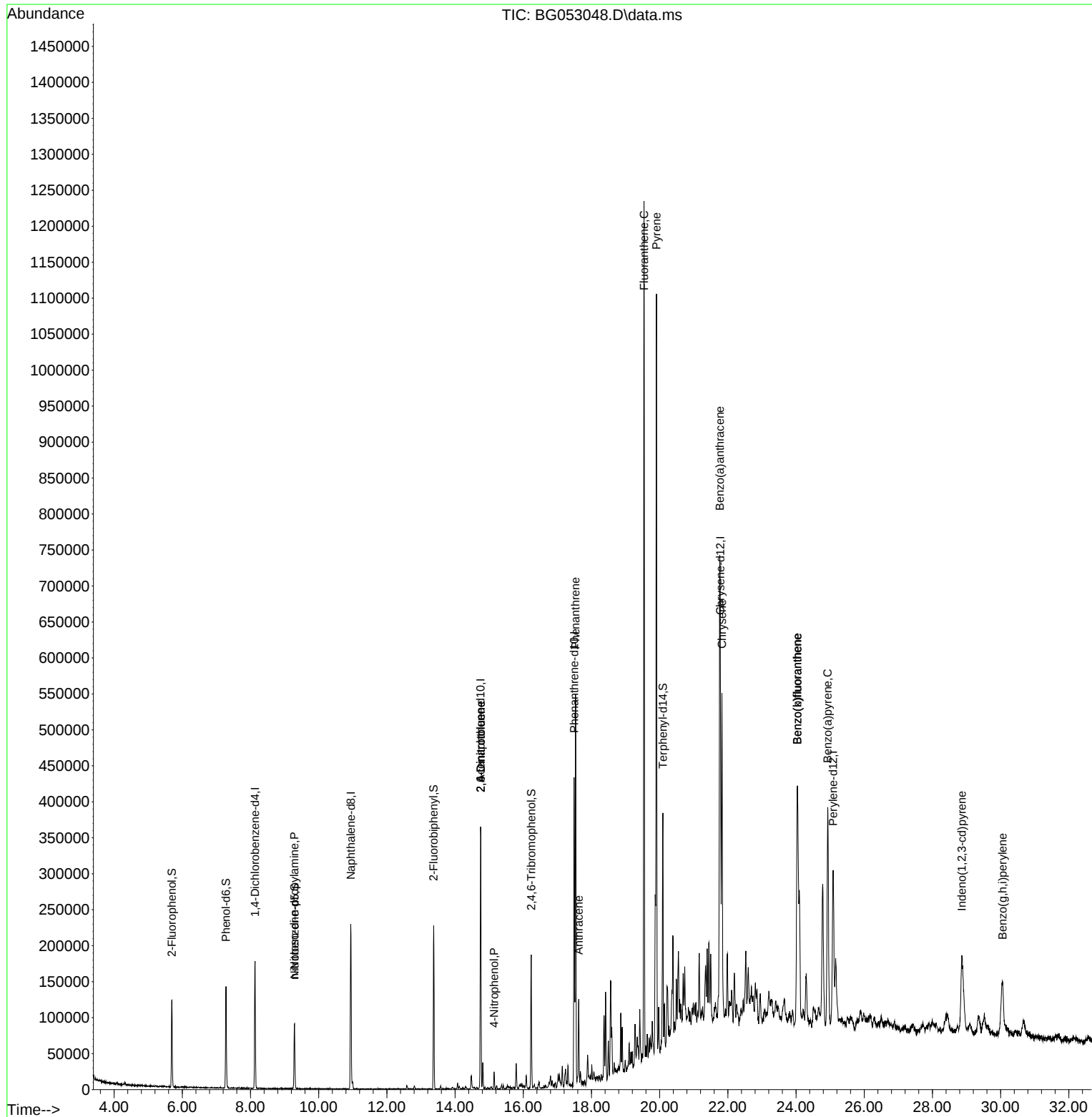
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.134	152	47831	20.000	ng	-0.01
21) Naphthalene-d8	10.942	136	191541	20.000	ng	-0.02
39) Acenaphthene-d10	14.748	164	131122	20.000	ng	-0.02
64) Phenanthrene-d10	17.492	188	269275	20.000	ng	-0.01
76) Chrysene-d12	21.780	240	231767	20.000	ng	-0.02
86) Perylene-d12	25.087	264	250330	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	51536	18.764	ng	0.00
7) Phenol-d6	7.282	99	77671	18.758	ng	0.00
23) Nitrobenzene-d5	9.291	82	59254	15.527	ng	-0.01
42) 2,4,6-Tribromophenol	16.235	330	33471	18.997	ng	-0.01
45) 2-Fluorobiphenyl	13.374	172	118125	13.287	ng	-0.02
79) Terphenyl-d14	20.094	244	151953	11.663	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.282	77	148	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	9.285	70	7753	2.644	ng	# 71
51) 2,6-Dinitrotoluene	14.754	165	17662	10.735	ng	# 24
56) 4-Nitrophenol	15.148	139	5052	3.217	ng	# 1
57) 2,4-Dinitrotoluene	14.754	165	17662	7.737	ng	# 22
71) Phenanthrene	17.533	178	352608	24.477	ng	97
72) Anthracene	17.627	178	80931	5.683	ng	100
75) Fluoranthene	19.542	202	763909	41.776	ng	98
78) Pyrene	19.906	202	714185	44.423	ng	99
81) Benzo(a)anthracene	21.762	228	371136	23.914	ng	96
83) Chrysene	21.827	228	327811	22.468	ng	97
87) Indeno(1,2,3-cd)pyrene	28.864	276	213401	12.455	ng	# 75
88) Benzo(b)fluoranthene	24.036	252	483585	31.112	ng	99
89) Benzo(k)fluoranthene	24.036	252	483585	31.623	ng	100
90) Benzo(a)pyrene	24.929	252	366317	27.842	ng	99
92) Benzo(g,h,i)perylene	30.057	276	201093	14.395	ng	98

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

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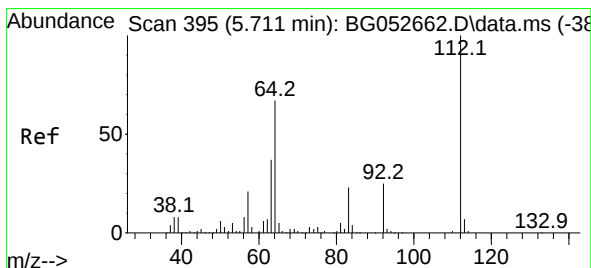
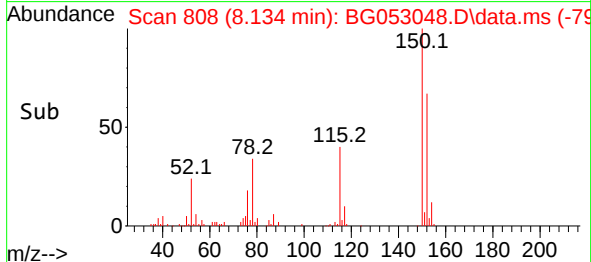
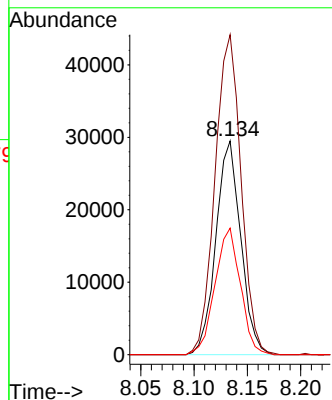
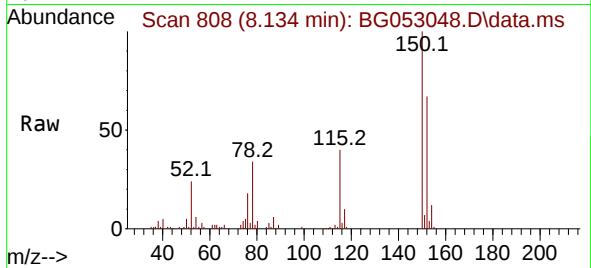




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.134 min Scan# 808
Delta R.T. -0.012 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

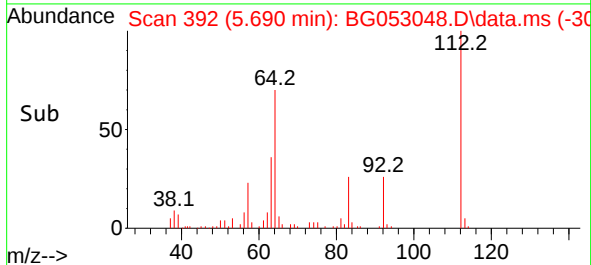
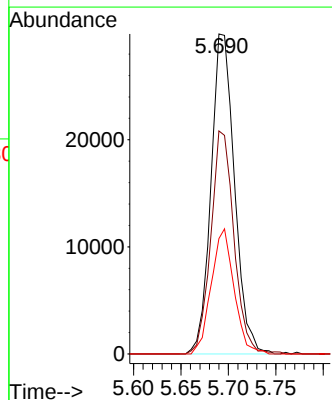
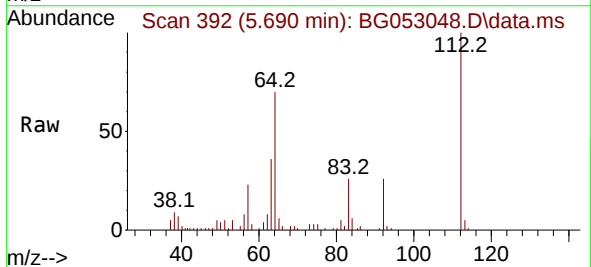
Instrument :
BNA_G
ClientSampleId :
TP-6

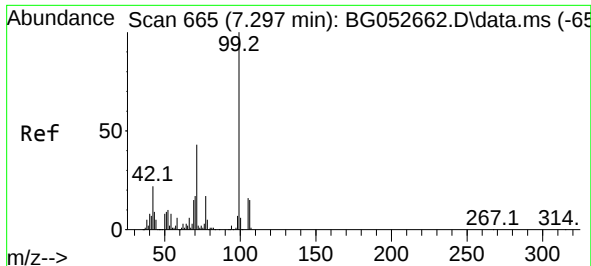
Tgt Ion:152 Resp: 47831
Ion Ratio Lower Upper
152 100
150 149.7 114.6 172.0
115 59.2 45.9 68.9



#5
2-Fluorophenol
Concen: 18.764 ng
RT: 5.690 min Scan# 392
Delta R.T. -0.007 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

Tgt Ion:112 Resp: 51536
Ion Ratio Lower Upper
112 100
64 69.7 48.0 72.0
63 36.0 26.5 39.7

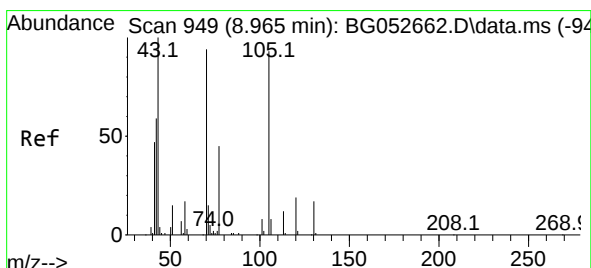
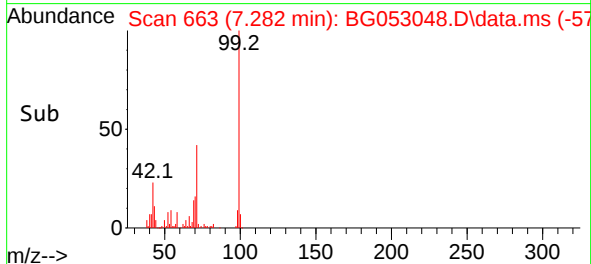
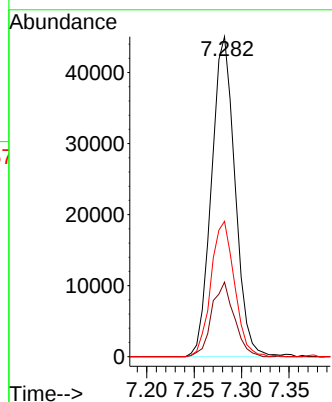
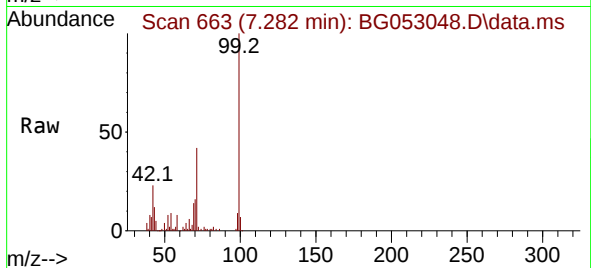




#7
Phenol-d6
Concen: 18.758 ng
RT: 7.282 min Scan# 60
Delta R.T. -0.007 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

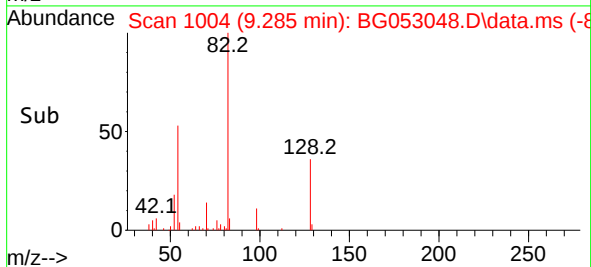
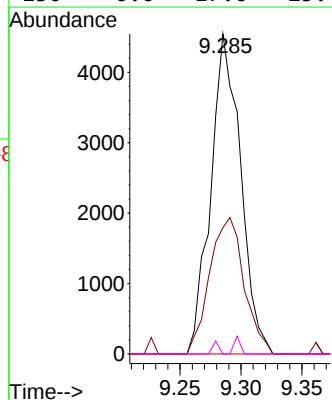
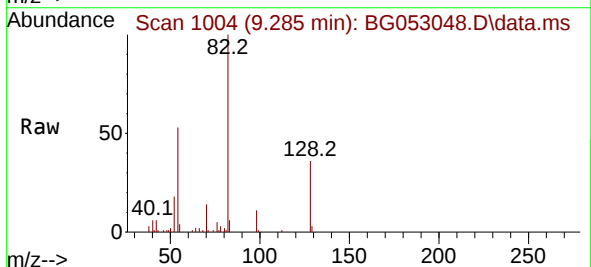
Instrument :
BNA_G
ClientSampleId :
TP-6

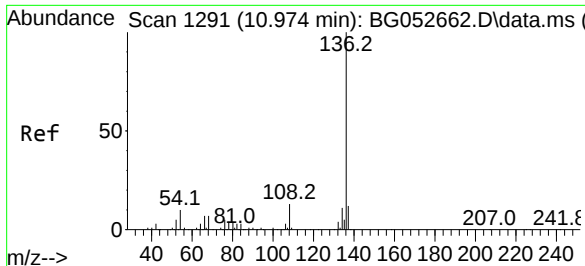
Tgt Ion: 99 Resp: 77671
Ion Ratio Lower Upper
99 100
42 23.3 14.7 22.1#
71 42.3 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.644 ng
RT: 9.285 min Scan# 1004
Delta R.T. 0.340 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

Tgt Ion: 70 Resp: 7753
Ion Ratio Lower Upper
70 100
42 39.5 46.0 69.0#
101 0.0 6.2 9.4#
130 0.0 17.0 25.4#

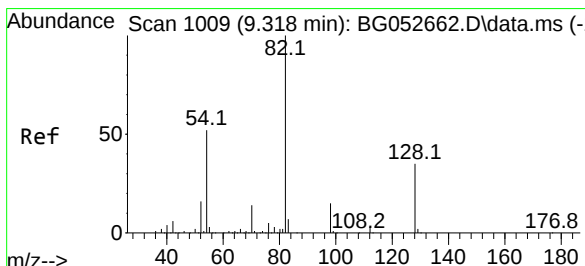
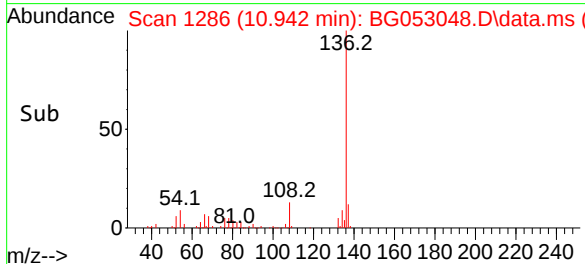
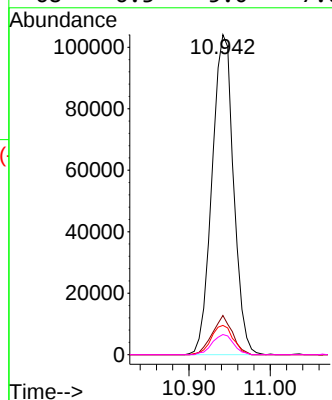
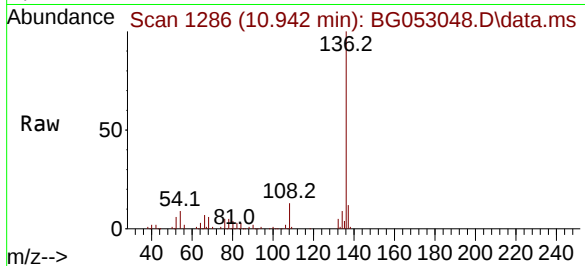




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.942 min Scan# 1005
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

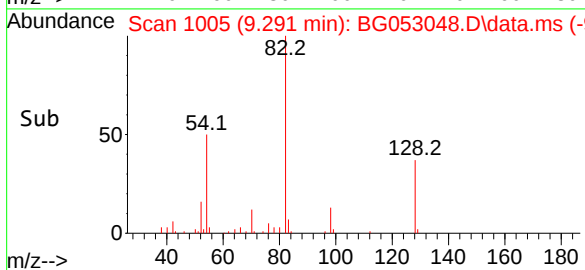
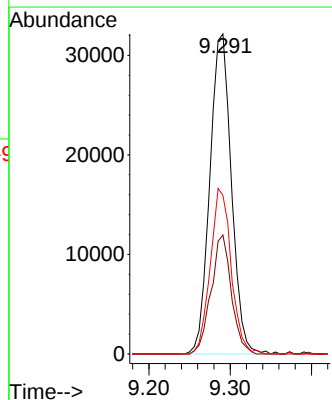
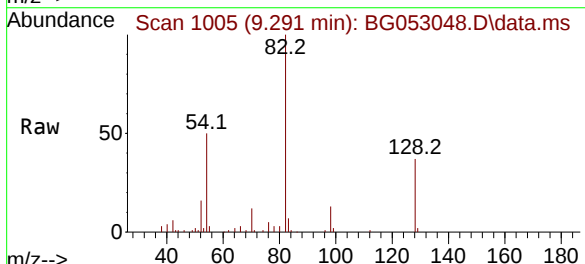
Instrument :
BNA_G
ClientSampleId :
TP-6

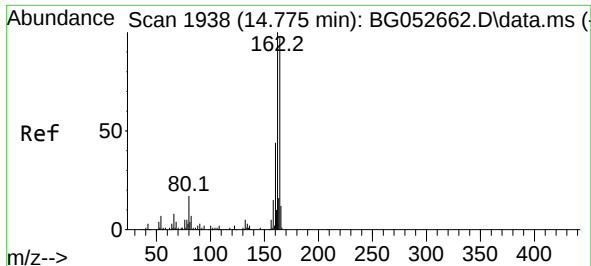
Tgt Ion:	136	Resp:	191541
Ion Ratio	Lower	Upper	
136	100		
137	12.2	9.4	14.2
54	9.2	6.4	9.6
68	6.3	5.0	7.6



#23
Nitrobenzene-d5
Concen: 15.527 ng
RT: 9.291 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

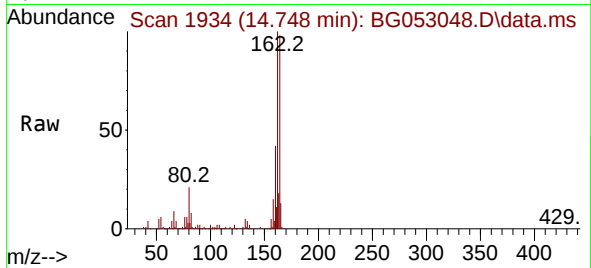
Tgt Ion:	82	Resp:	59254
Ion Ratio	Lower	Upper	
82	100		
128	37.2	31.3	46.9
54	49.5	37.8	56.8



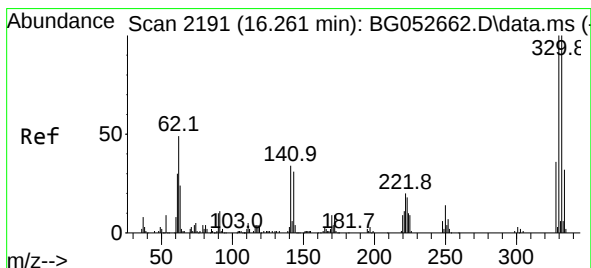
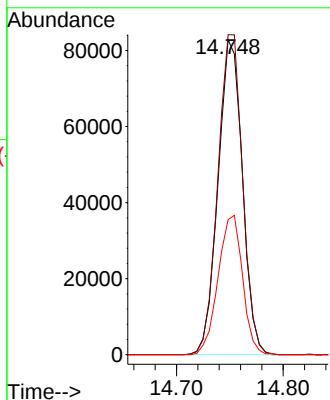
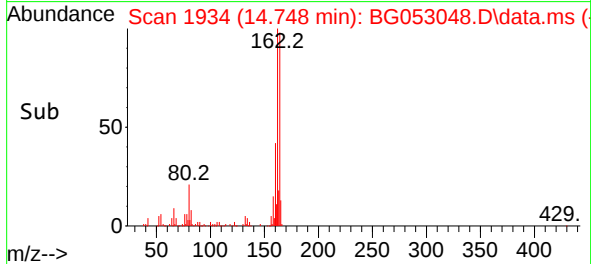


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.748 min Scan# 1934
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

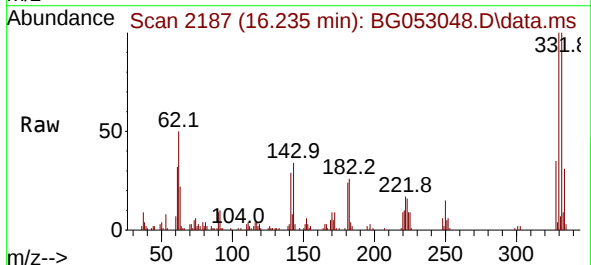
Instrument :
BNA_G
ClientSampleId :
TP-6



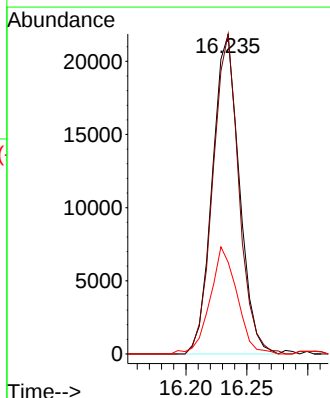
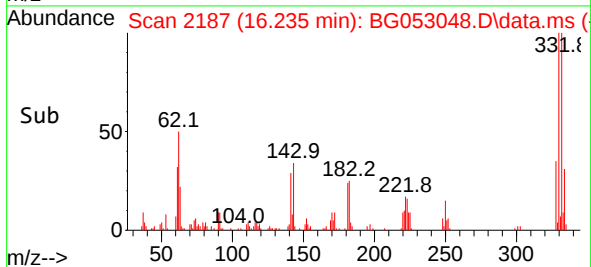
Tgt Ion:164 Resp: 131122
Ion Ratio Lower Upper
164 100
162 101.6 80.0 120.0
160 42.9 38.8 58.2

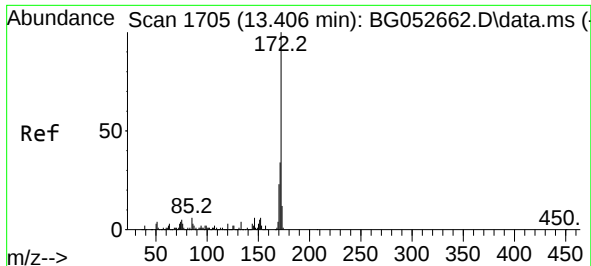


#42
2,4,6-Tribromophenol
Concen: 18.997 ng
RT: 16.235 min Scan# 2187
Delta R.T. -0.012 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41



Tgt Ion:330 Resp: 33471
Ion Ratio Lower Upper
330 100
332 96.7 75.8 113.6
141 33.6 24.6 36.8

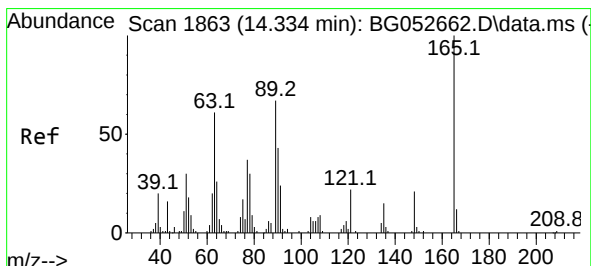
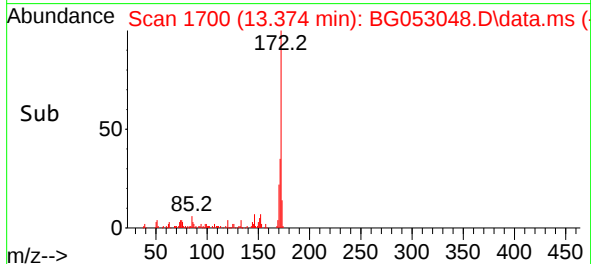
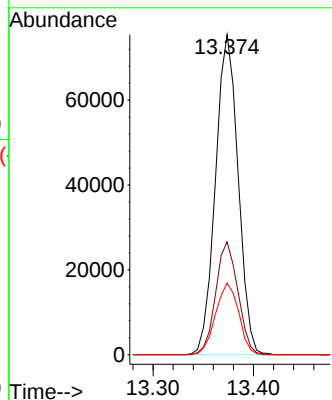
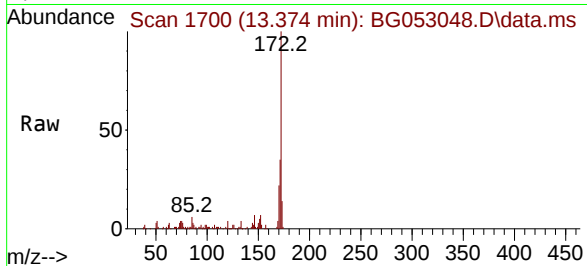




#45
2-Fluorobiphenyl
Concen: 13.287 ng
RT: 13.374 min Scan# 11
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

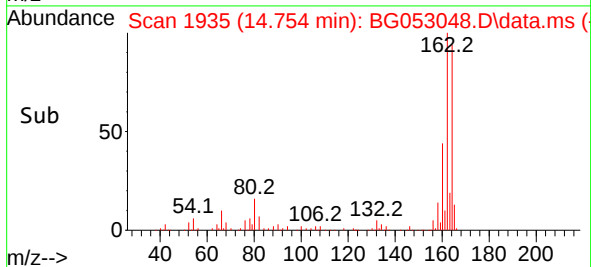
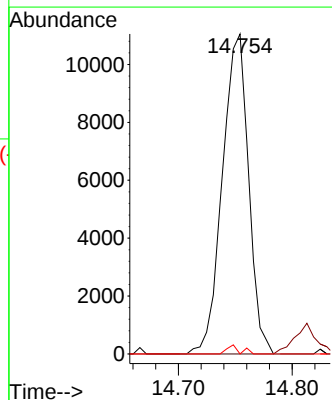
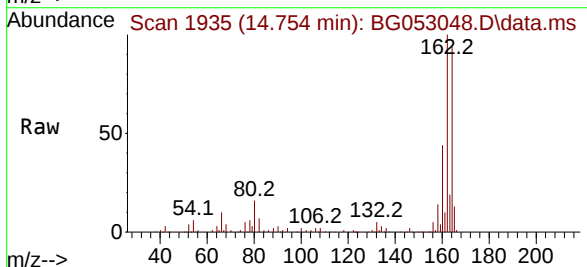
Instrument :
BNA_G
ClientSampleId :
TP-6

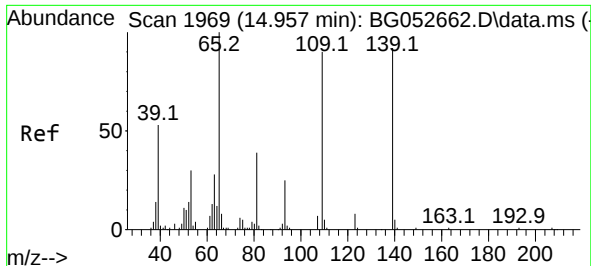
Tgt Ion:172 Resp: 118125
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 22.4 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 10.735 ng
RT: 14.754 min Scan# 1935
Delta R.T. 0.428 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

Tgt Ion:165 Resp: 17662
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 0.0 45.0 67.4#

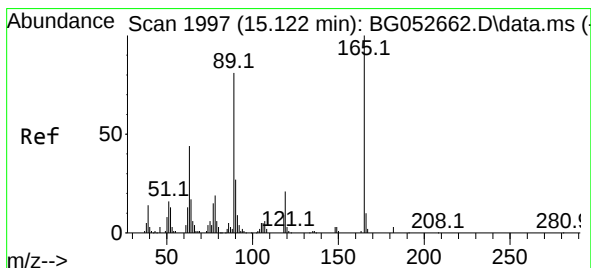
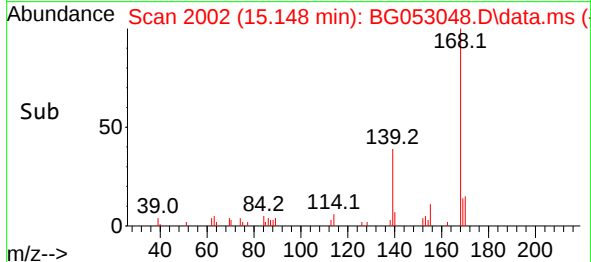
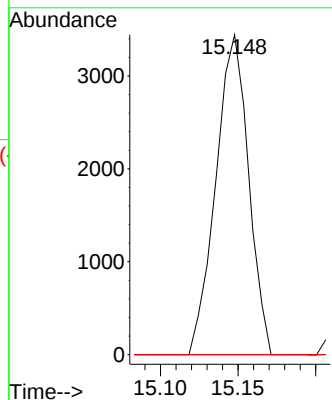
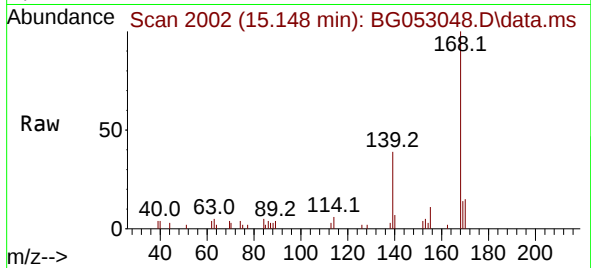




#56
4-Nitrophenol
Concen: 3.217 ng
RT: 15.148 min Scan# 20
Delta R.T. 0.199 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

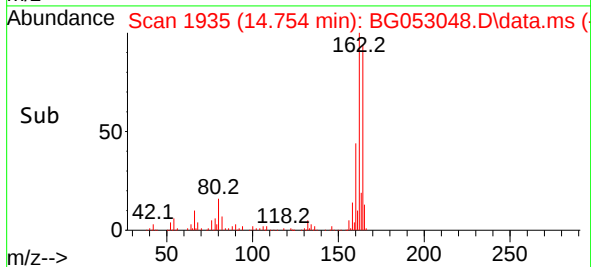
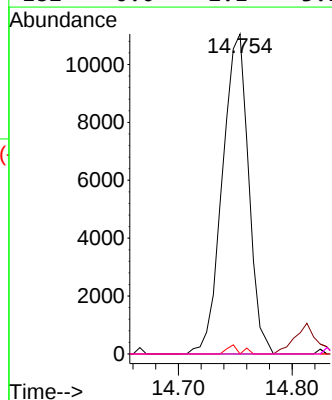
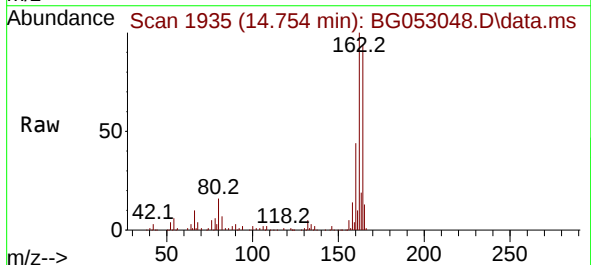
Instrument :
BNA_G
ClientSampleId :
TP-6

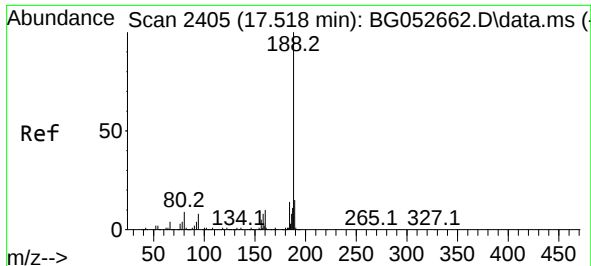
Tgt Ion:139 Resp: 5052
Ion Ratio Lower Upper
139 100
109 0.0 67.1 107.1#
65 0.0 88.2 128.2#



#57
2,4-Dinitrotoluene
Concen: 7.737 ng
RT: 14.754 min Scan# 1935
Delta R.T. -0.359 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

Tgt Ion:165 Resp: 17662
Ion Ratio Lower Upper
165 100
63 0.0 34.8 52.2#
89 0.0 57.4 86.0#
182 0.0 2.1 3.1#

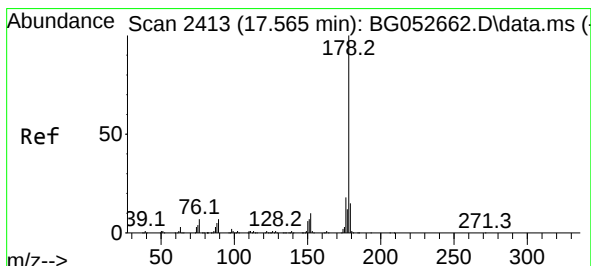
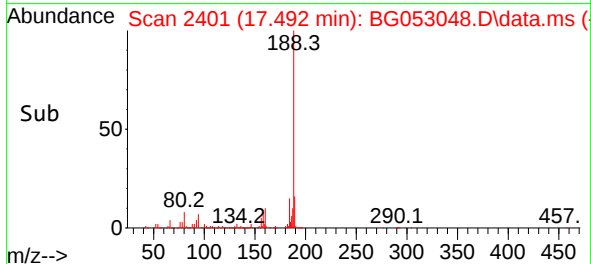
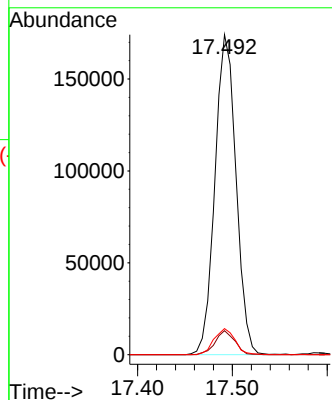
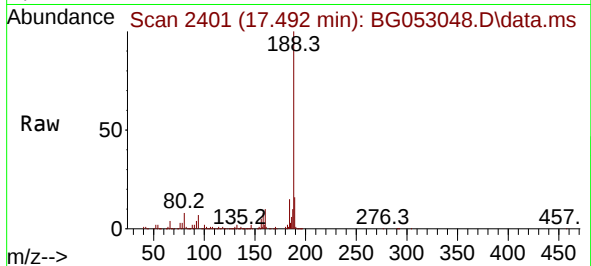




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2401
Delta R.T. -0.012 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

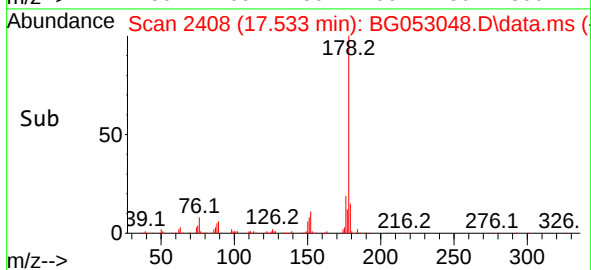
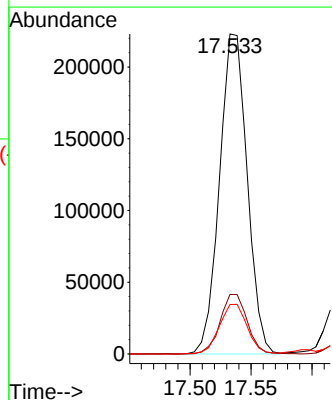
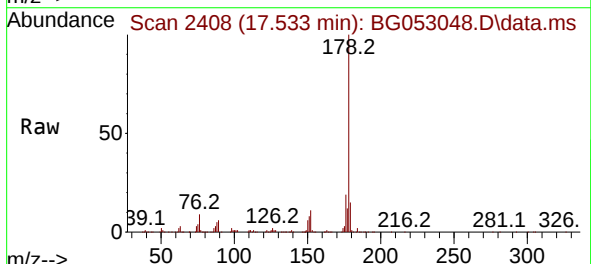
Instrument :
BNA_G
ClientSampleId :
TP-6

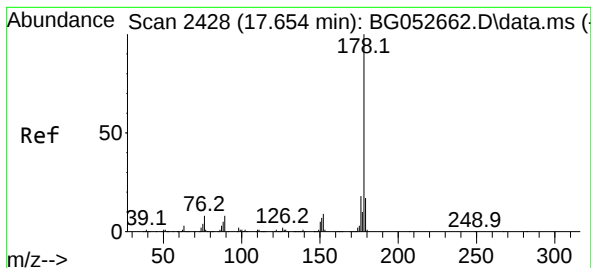
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Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.1 7.2 10.8



#71
Phenanthrene
Concen: 24.477 ng
RT: 17.533 min Scan# 2408
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

Tgt Ion:178 Resp: 352608
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 15.5 13.4 20.2





#72

Anthracene

Concen: 5.683 ng

RT: 17.627 min Scan# 24

Delta R.T. -0.012 min

Lab File: BG053048.D

Acq: 6 Apr 2022 1:41

Instrument :

BNA_G

ClientSampleId :

TP-6

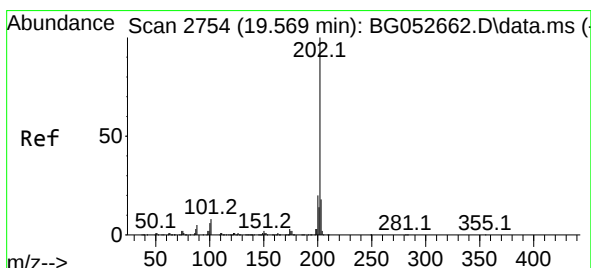
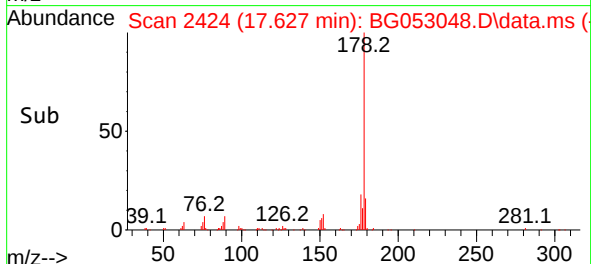
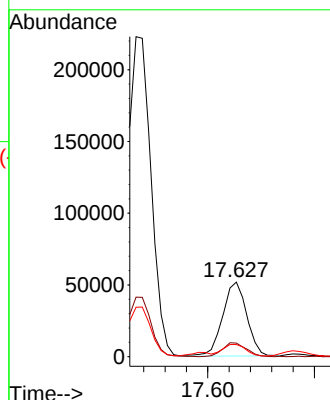
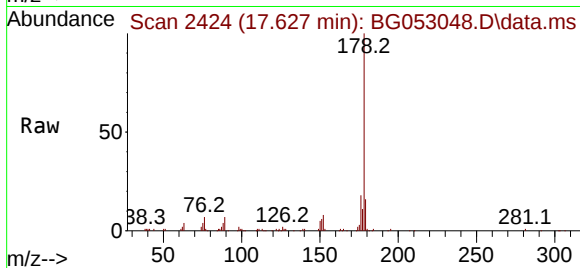
Tgt Ion:178 Resp: 80931

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 16.4 13.2 19.8



#75

Fluoranthene

Concen: 41.776 ng

RT: 19.542 min Scan# 2750

Delta R.T. -0.012 min

Lab File: BG053048.D

Acq: 6 Apr 2022 1:41

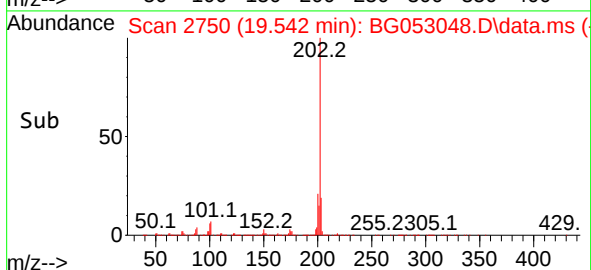
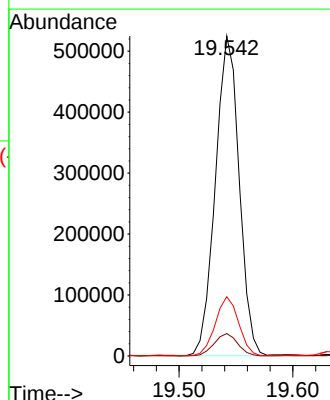
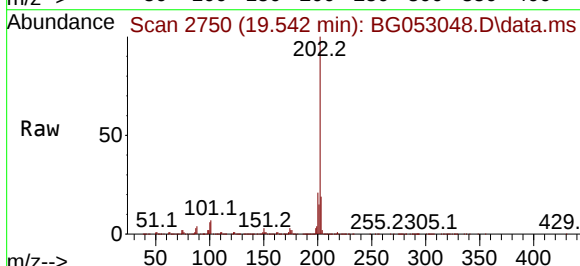
Tgt Ion:202 Resp: 763909

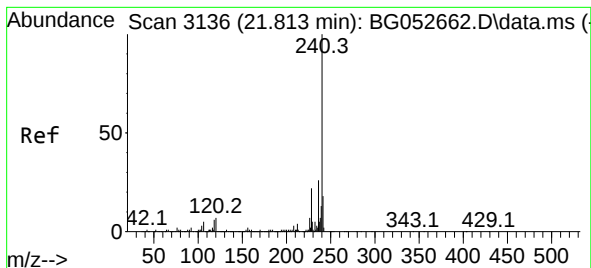
Ion Ratio Lower Upper

202 100

101 7.0 0.0 27.3

203 18.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.780 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG053048.D

Acq: 6 Apr 2022 1:41

Instrument :

BNA_G

ClientSampleId :

TP-6

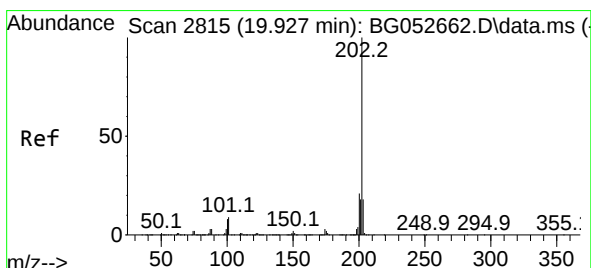
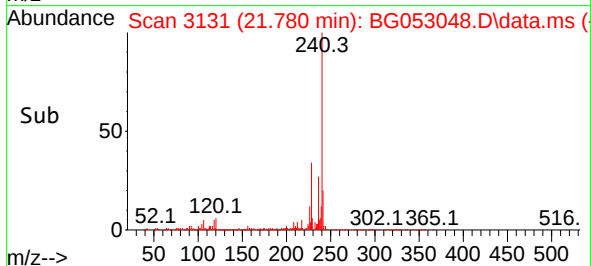
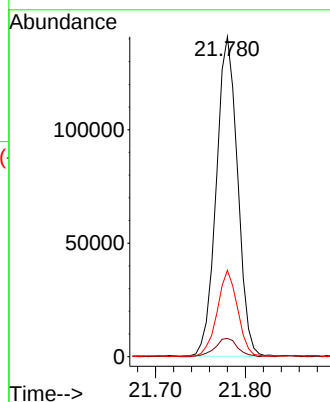
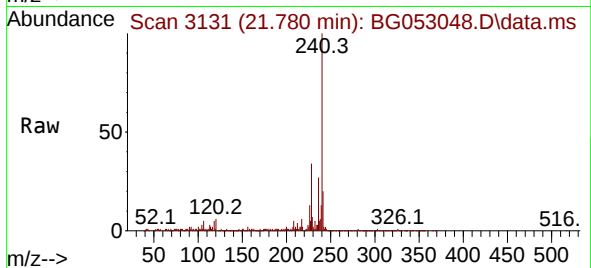
Tgt Ion:240 Resp: 231767

Ion Ratio Lower Upper

240 100

120 5.7 5.4 8.0

236 27.0 19.8 29.6



#78

Pyrene

Concen: 44.423 ng

RT: 19.906 min Scan# 2812

Delta R.T. -0.012 min

Lab File: BG053048.D

Acq: 6 Apr 2022 1:41

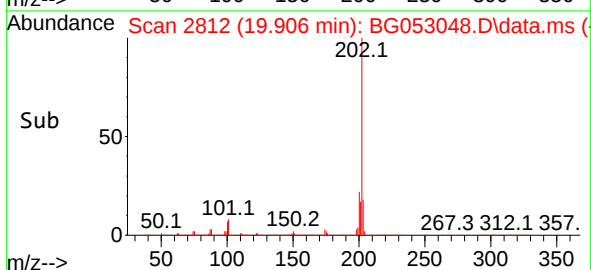
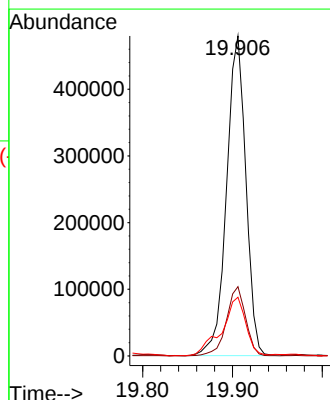
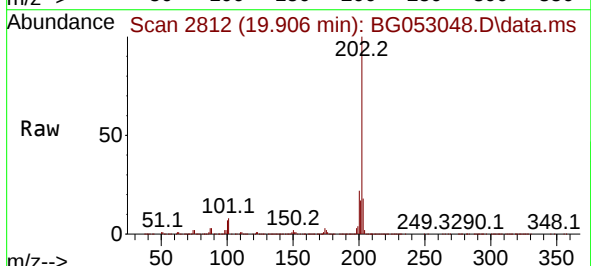
Tgt Ion:202 Resp: 714185

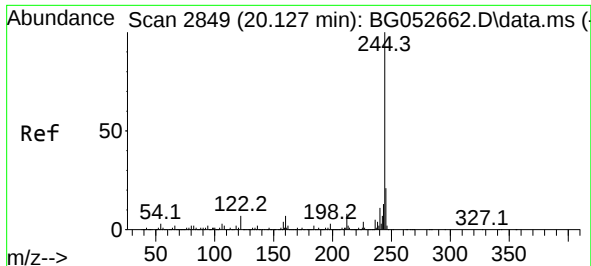
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 18.3 15.0 22.6

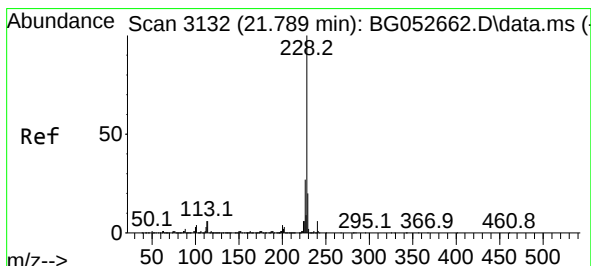
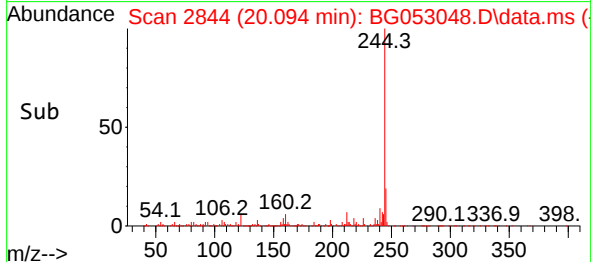
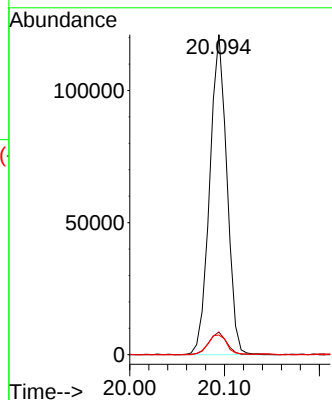
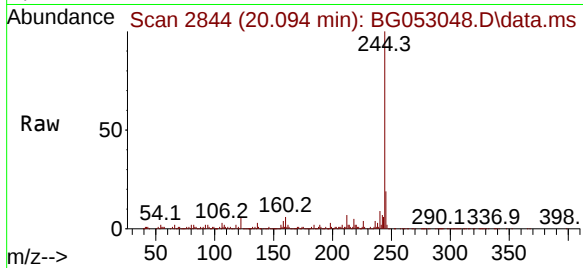




#79
 Terphenyl-d14
 Concen: 11.663 ng
 RT: 20.094 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BG053048.D
 Acq: 6 Apr 2022 1:41

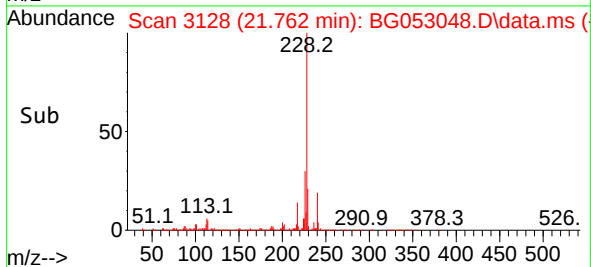
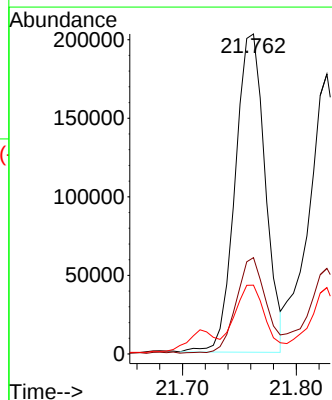
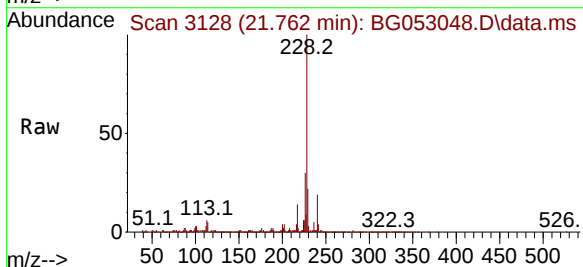
Instrument :
 BNA_G
 ClientSampleId :
 TP-6

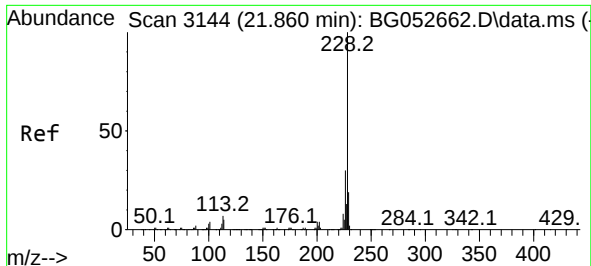
Tgt Ion:244 Resp: 151953
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 6.2 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 23.914 ng
 RT: 21.762 min Scan# 3128
 Delta R.T. -0.012 min
 Lab File: BG053048.D
 Acq: 6 Apr 2022 1:41

Tgt Ion:228 Resp: 371136
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.4 32.0
 229 21.5 16.7 25.1

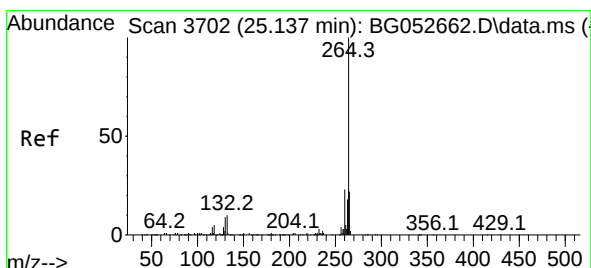
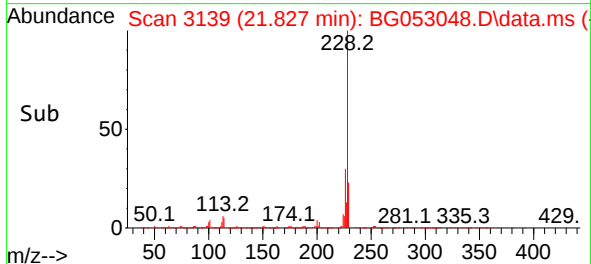
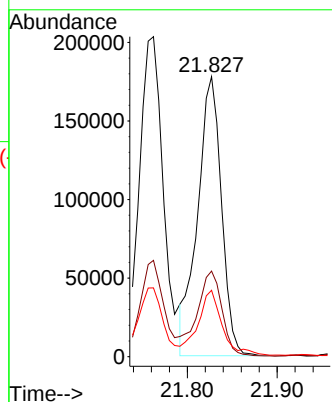
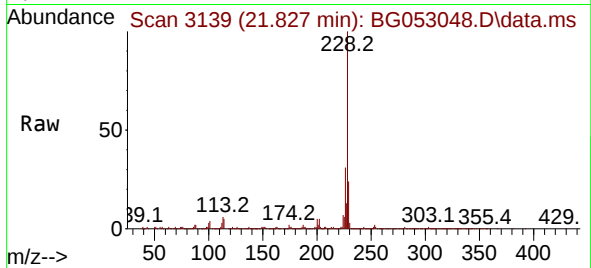




#83
Chrysene
Concen: 22.468 ng
RT: 21.827 min Scan# 3144
Delta R.T. -0.018 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

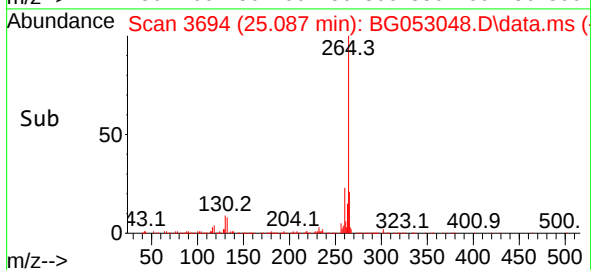
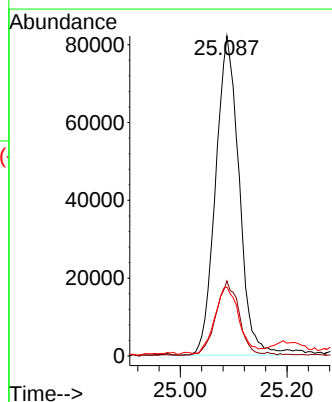
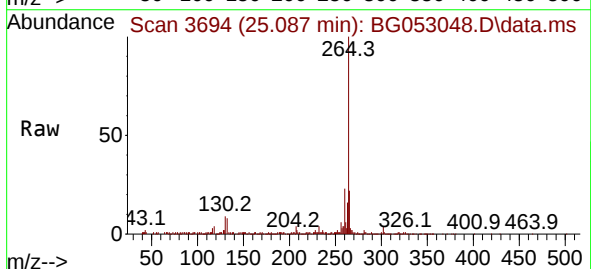
Instrument :
BNA_G
ClientSampleId :
TP-6

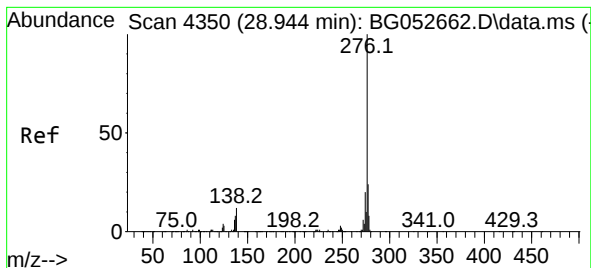
Tgt Ion:228 Resp: 327811
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 23.7 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.087 min Scan# 3694
Delta R.T. -0.024 min
Lab File: BG053048.D
Acq: 6 Apr 2022 1:41

Tgt Ion:264 Resp: 250330
Ion Ratio Lower Upper
264 100
260 23.4 18.2 27.2
265 21.5 15.1 22.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.455 ng

RT: 28.864 min Scan# 41

Delta R.T. -0.036 min

Lab File: BG053048.D

Acq: 6 Apr 2022 1:41

Instrument :

BNA_G

ClientSampleId :

TP-6

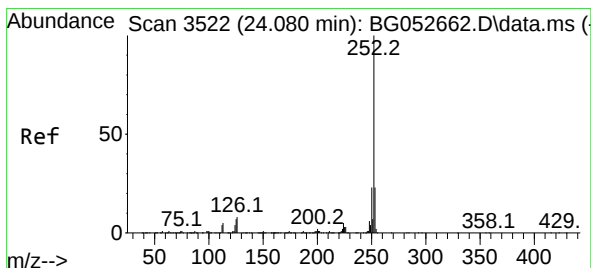
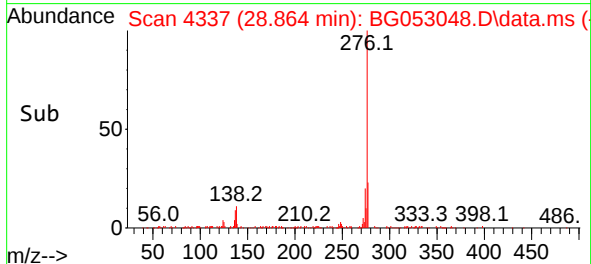
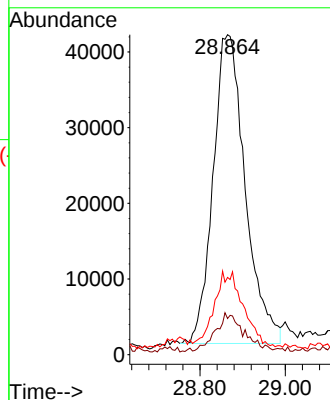
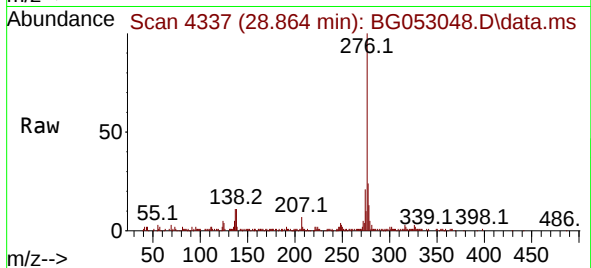
Tgt Ion:276 Resp: 213401

Ion Ratio Lower Upper

276 100

138 10.3 8.7 13.1

277 7.8 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 31.112 ng

RT: 24.036 min Scan# 3515

Delta R.T. -0.018 min

Lab File: BG053048.D

Acq: 6 Apr 2022 1:41

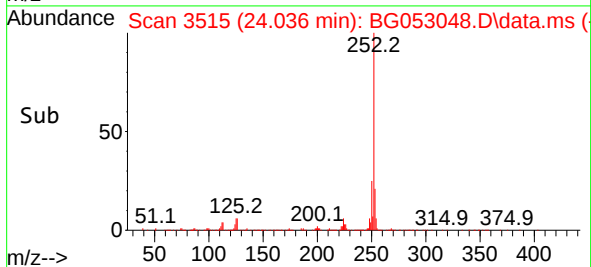
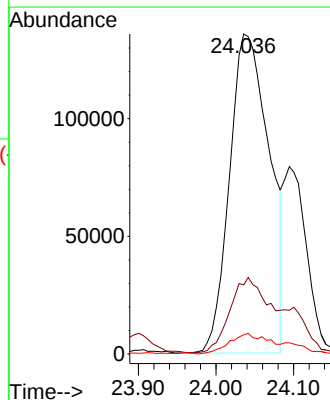
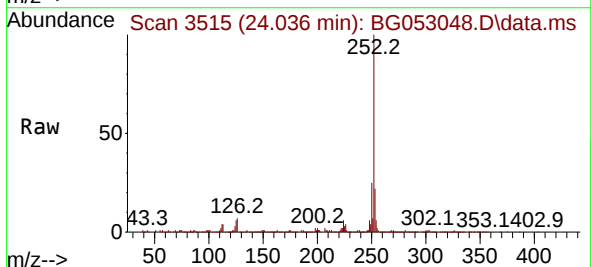
Tgt Ion:252 Resp: 483585

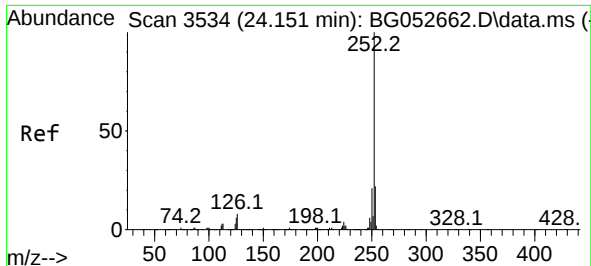
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 6.0 5.2 7.8





#89

Benzo(k)fluoranthene

Concen: 31.623 ng

RT: 24.036 min Scan# 3

Delta R.T. -0.095 min

Lab File: BG053048.D

Acq: 6 Apr 2022 1:41

Instrument :

BNA_G

ClientSampleId :

TP-6

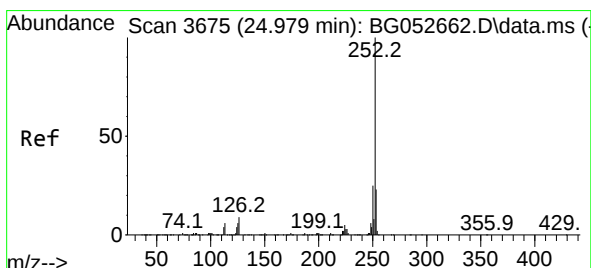
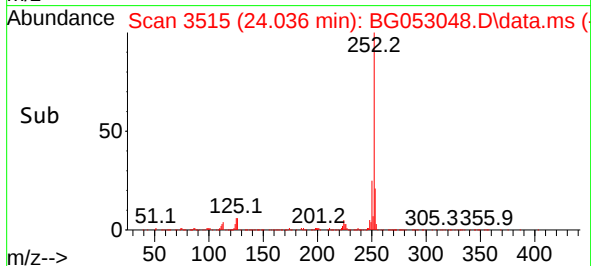
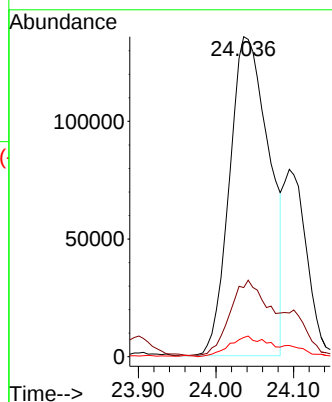
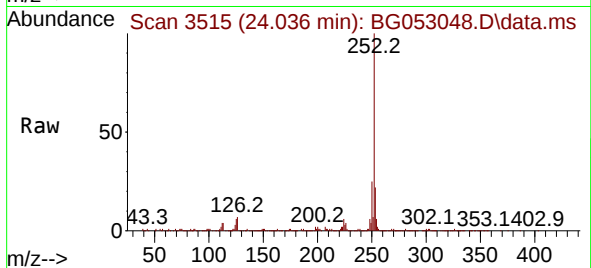
Tgt Ion:252 Resp: 483585

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 6.0 5.0 7.4



#90

Benzo(a)pyrene

Concen: 27.842 ng

RT: 24.929 min Scan# 3667

Delta R.T. -0.024 min

Lab File: BG053048.D

Acq: 6 Apr 2022 1:41

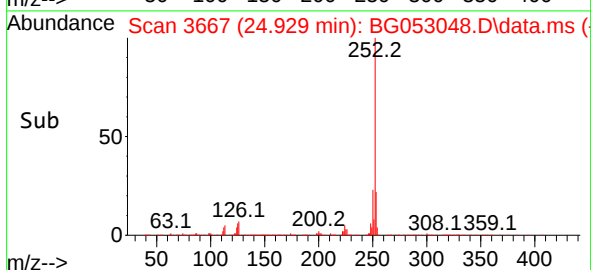
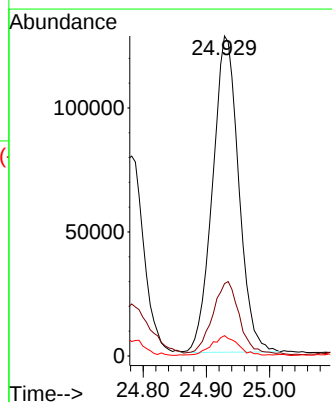
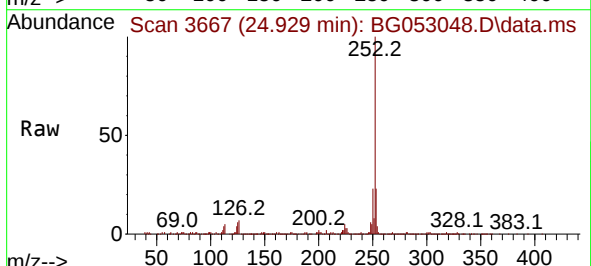
Tgt Ion:252 Resp: 366317

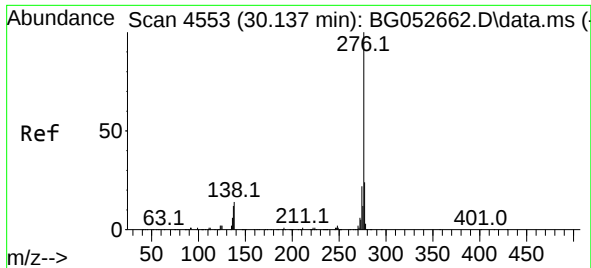
Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

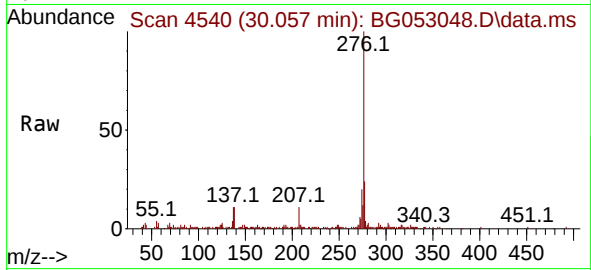
125 6.4 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 14.395 ng
 RT: 30.057 min Scan# 41
 Delta R.T. -0.036 min
 Lab File: BG053048.D
 Acq: 6 Apr 2022 1:41

Instrument :
 BNA_G
 ClientSampleId :
 TP-6



Tgt Ion:276 Resp: 201093

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.2	27.2
138	10.8	9.1	13.7

