

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052322\
 Data File : BG053676.D
 Acq On : 23 May 2022 22:47
 Operator : CG/JU
 Sample : N2982-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-7

Quant Time: May 24 05:10:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

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

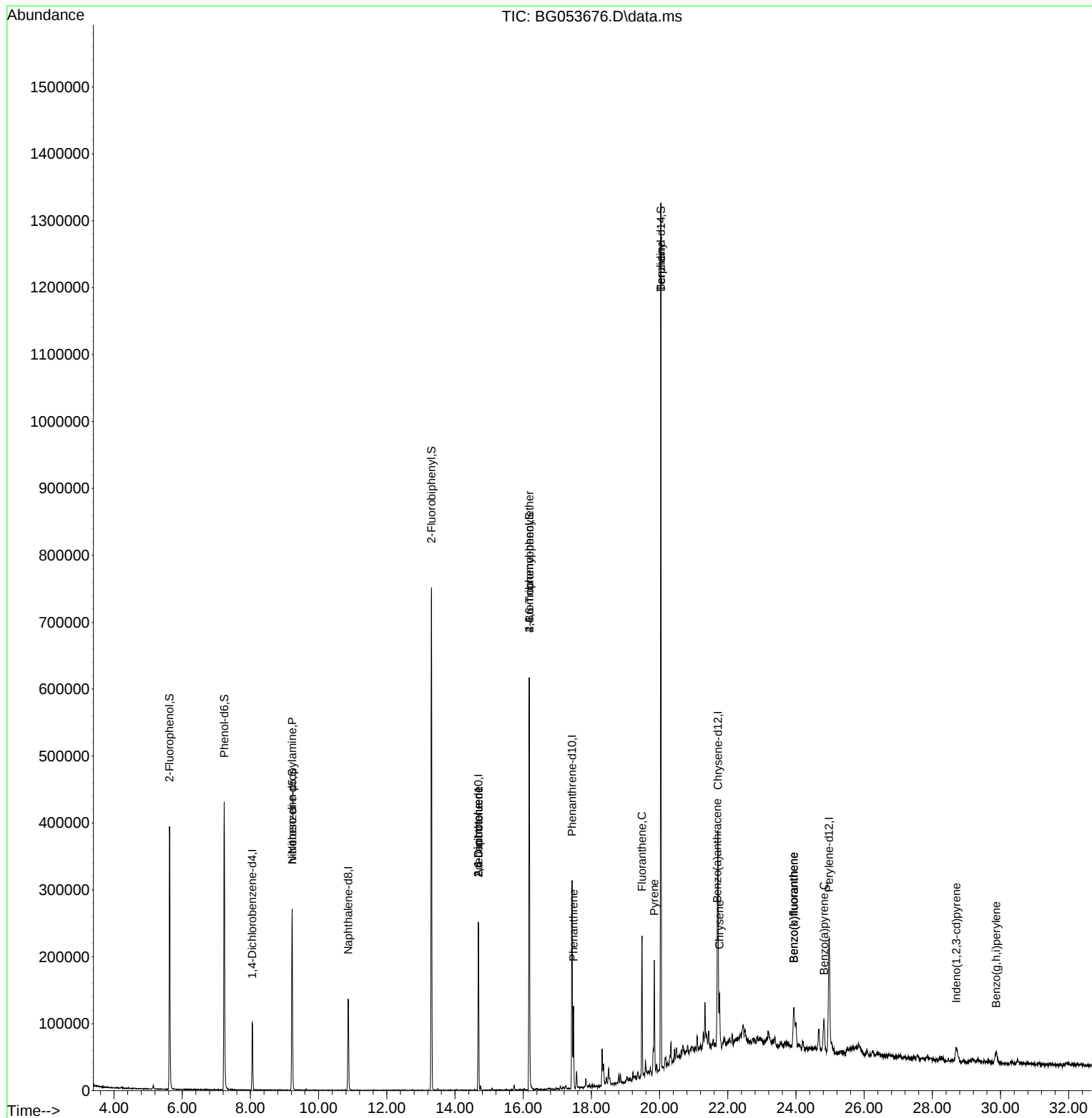
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.053	152	28794	20.000	ng	0.00
21) Naphthalene-d8	10.867	136	116032	20.000	ng	0.00
39) Acenaphthene-d10	14.685	164	91810	20.000	ng	0.00
64) Phenanthrene-d10	17.434	188	205194	20.000	ng	0.00
76) Chrysene-d12	21.711	240	191421	20.000	ng	0.00
86) Perylene-d12	24.971	264	191737	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.627	112	163224	96.205	ng	0.00
7) Phenol-d6	7.231	99	248496	96.507	ng	0.00
23) Nitrobenzene-d5	9.222	82	172153	63.157	ng	0.00
42) 2,4,6-Tribromophenol	16.177	330	128106	94.607	ng	0.00
45) 2-Fluorobiphenyl	13.311	172	399826	63.638	ng	0.00
79) Terphenyl-d14	20.037	244	633294	61.618	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.222	70	25214	13.648	ng	# 73
51) 2,6-Dinitrotoluene	14.685	165	11526	8.109	ng	# 18
57) 2,4-Dinitrotoluene	14.685	165	11526	5.594	ng	# 24
67) 4-Bromophenyl-phenylether	16.177	248	8595	3.587	ng	# 1
71) Phenanthrene	17.476	178	74376	7.128	ng	96
75) Fluoranthene	19.485	202	137258	10.160	ng	99
77) Benzidine	20.037	184	10410	2.523	ng	96
78) Pyrene	19.843	202	108050	8.720	ng	98
81) Benzo(a)anthracene	21.687	228	64754	5.304	ng	98
83) Chrysene	21.752	228	60161	5.276	ng	98
87) Indeno(1,2,3-cd)pyrene	28.701	276	37390	2.800	ng	# 97
88) Benzo(b)fluoranthene	23.937	252	77460	6.825	ng	# 96
89) Benzo(k)fluoranthene	23.937	252	77460	6.946	ng	# 97
90) Benzo(a)pyrene	24.819	252	52187	5.402	ng	# 96
92) Benzo(g,h,i)perylene	29.870	276	33258	3.049	ng	# 86

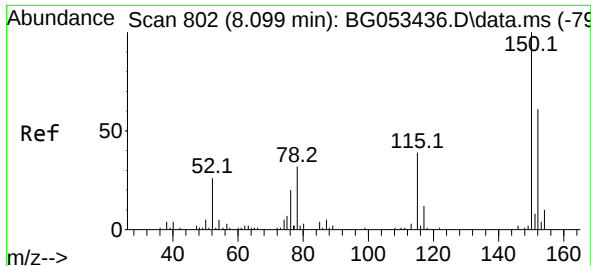
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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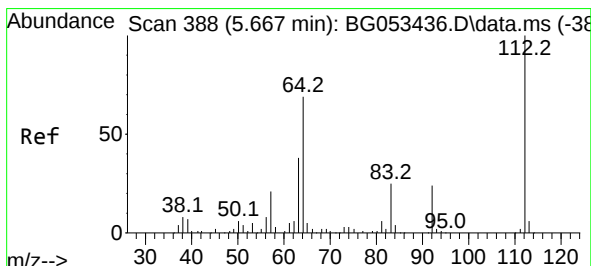
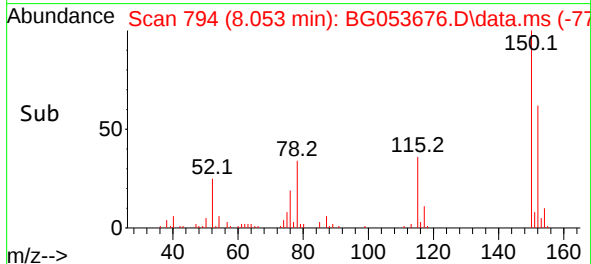
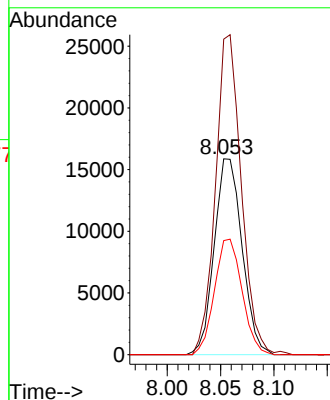
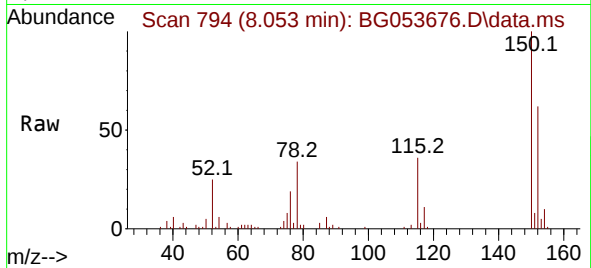




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.053 min Scan# 794
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

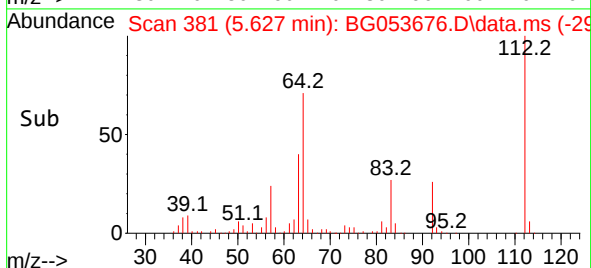
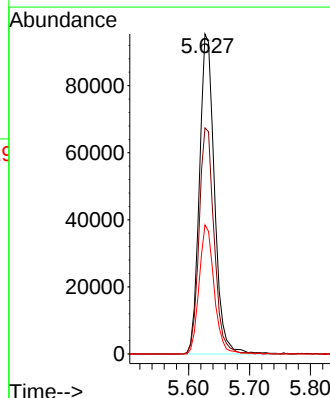
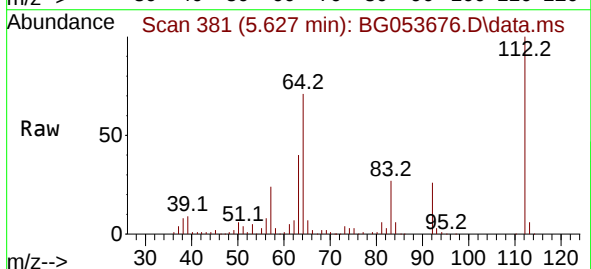
Instrument :
BNA_G
ClientSampleId :
P-7

Tgt Ion:152 Resp: 28794
Ion Ratio Lower Upper
152 100
150 161.1 131.6 197.4
115 58.2 50.9 76.3



#5
2-Fluorophenol
Concen: 96.205 ng
RT: 5.627 min Scan# 381
Delta R.T. 0.001 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Tgt Ion:112 Resp: 163224
Ion Ratio Lower Upper
112 100
64 70.6 55.1 82.7
63 40.3 30.4 45.6

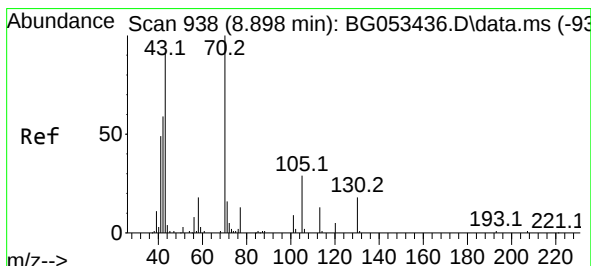
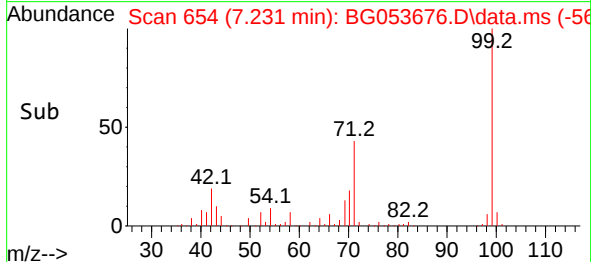
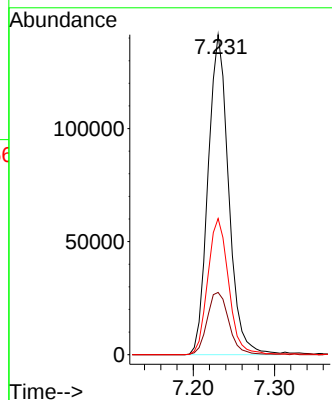
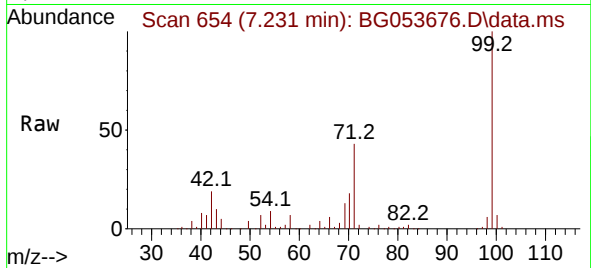




#7
Phenol-d6
Concen: 96.507 ng
RT: 7.231 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

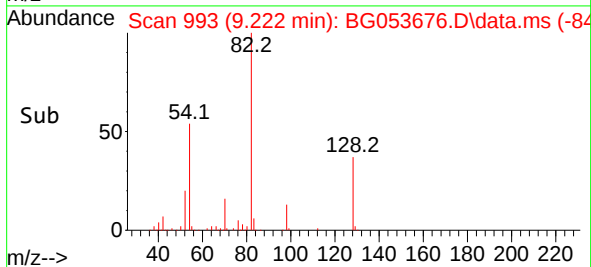
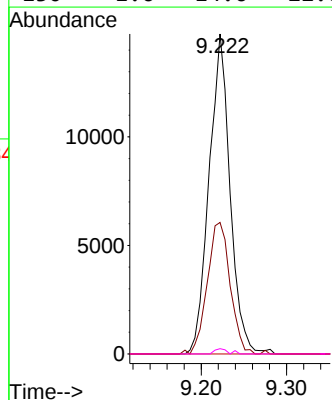
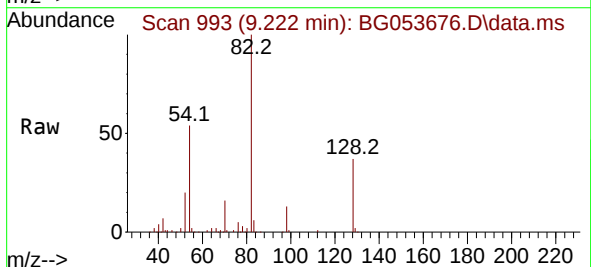
Instrument :
BNA_G
ClientSampleId :
P-7

Tgt Ion: 99 Resp: 248496
Ion Ratio Lower Upper
99 100
42 19.4 17.0 25.6
71 42.6 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.648 ng
RT: 9.222 min Scan# 993
Delta R.T. 0.360 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Tgt Ion: 70 Resp: 25214
Ion Ratio Lower Upper
70 100
42 41.1 47.3 70.9#
101 0.0 7.0 10.4#
130 1.6 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.867 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG053676.D

Acq: 23 May 2022 22:47

Instrument :

BNA_G

ClientSampleId :

P-7

Tgt Ion:136 Resp: 116032

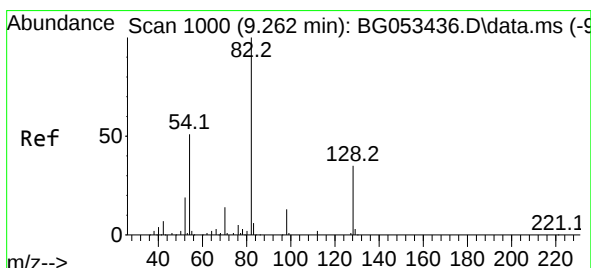
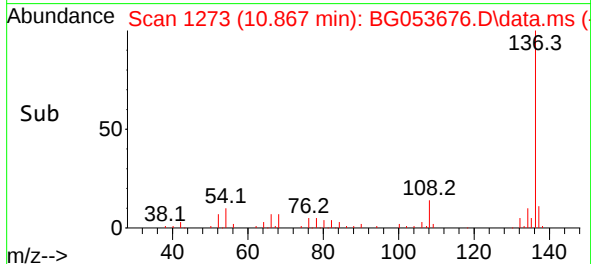
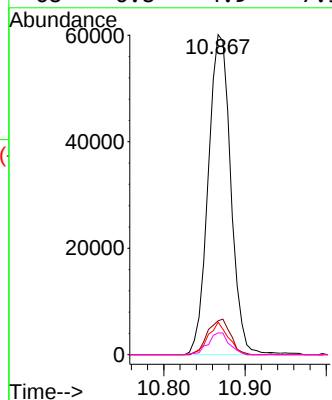
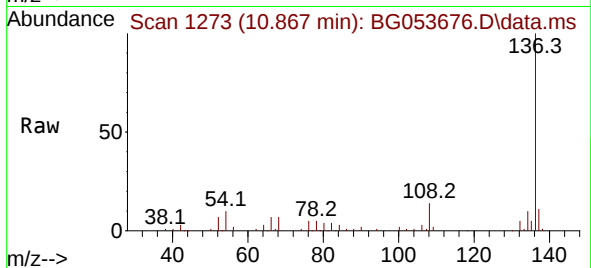
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 10.1 7.4 11.2

68 6.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 63.157 ng

RT: 9.222 min Scan# 993

Delta R.T. -0.005 min

Lab File: BG053676.D

Acq: 23 May 2022 22:47

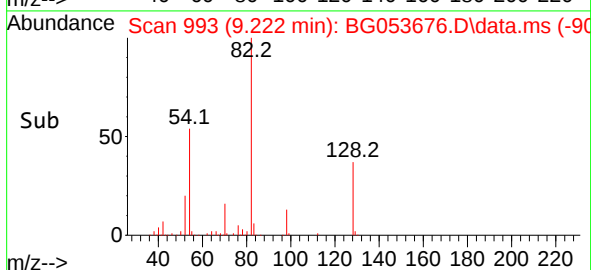
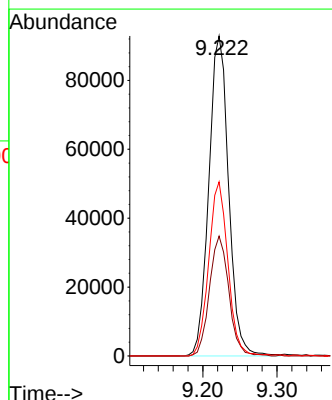
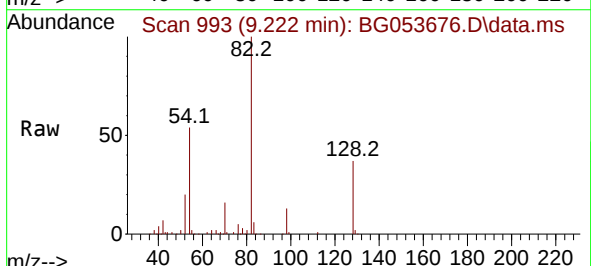
Tgt Ion: 82 Resp: 172153

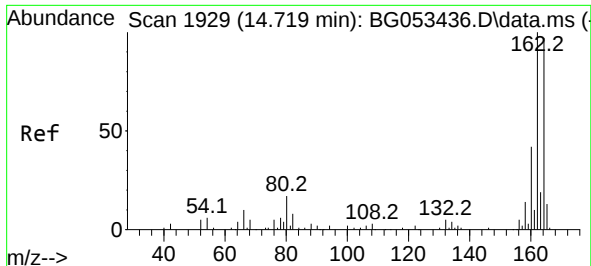
Ion Ratio Lower Upper

82 100

128 37.5 27.9 41.9

54 54.4 41.2 61.8

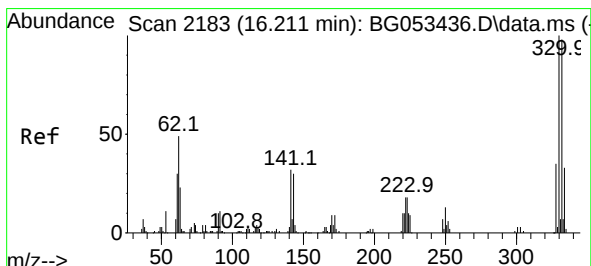
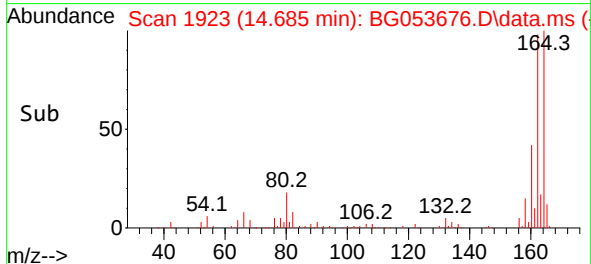
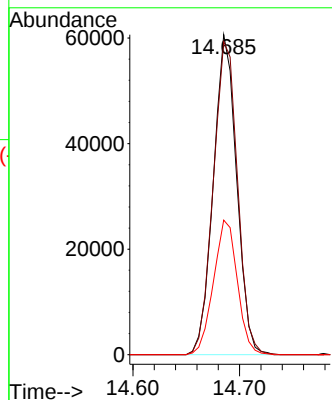
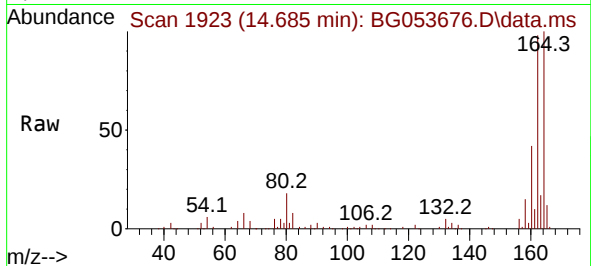




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.685 min Scan# 1923
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

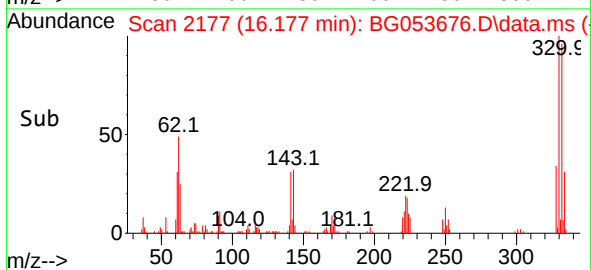
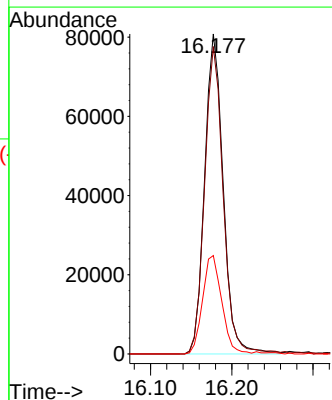
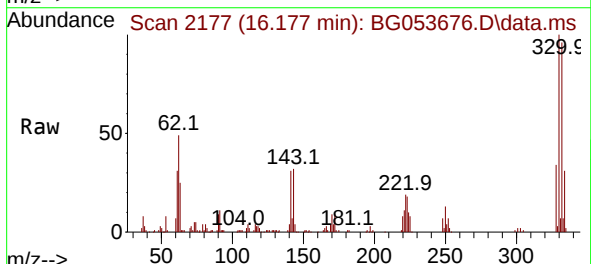
Instrument :
BNA_G
ClientSampleId :
P-7

Tgt Ion:164 Resp: 91810
Ion Ratio Lower Upper
164 100
162 97.8 82.3 123.5
160 42.0 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 94.607 ng
RT: 16.177 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Tgt Ion:330 Resp: 128106
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 31.7 27.1 40.7

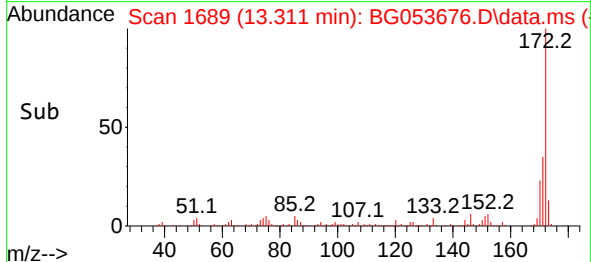
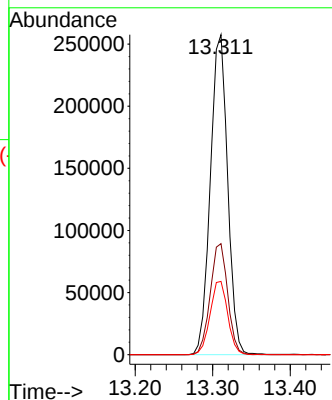
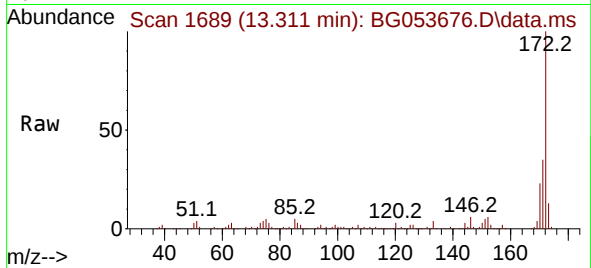




#45
2-Fluorobiphenyl
Concen: 63.638 ng
RT: 13.311 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

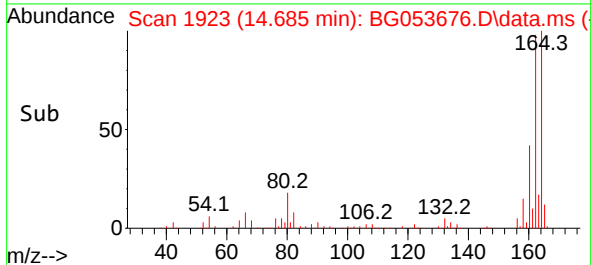
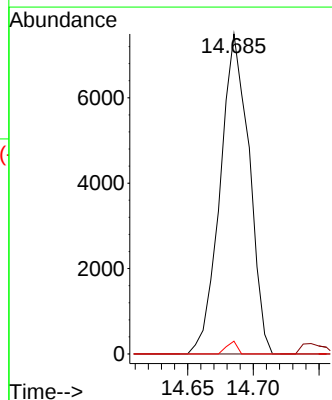
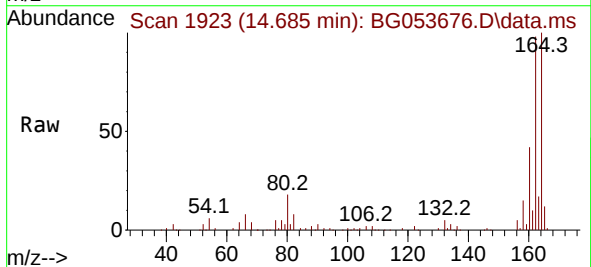
Instrument :
BNA_G
ClientSampleId :
P-7

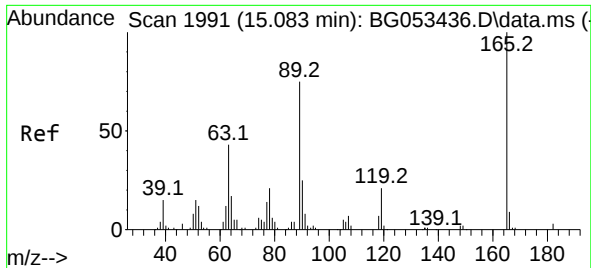
Tgt Ion:172 Resp: 399826
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 22.9 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.109 ng
RT: 14.685 min Scan# 1923
Delta R.T. 0.424 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Tgt Ion:165 Resp: 11526
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 4.0 54.8 82.2#

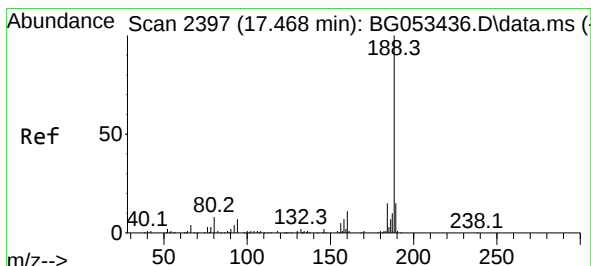
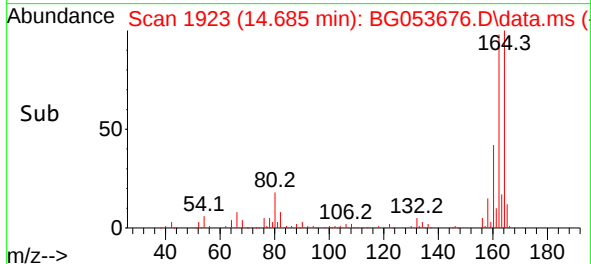
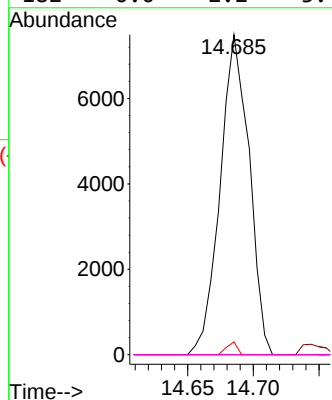
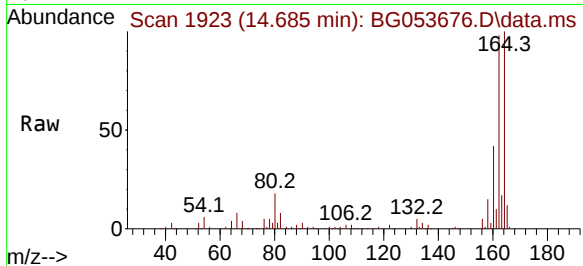




#57
2,4-Dinitrotoluene
Concen: 5.594 ng
RT: 14.685 min Scan# 1991
Delta R.T. -0.369 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

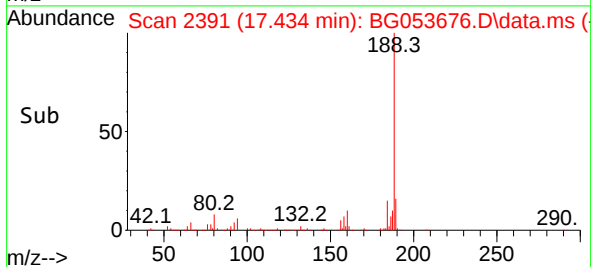
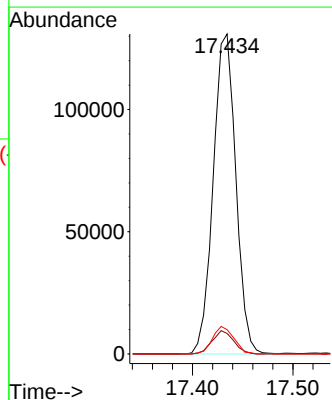
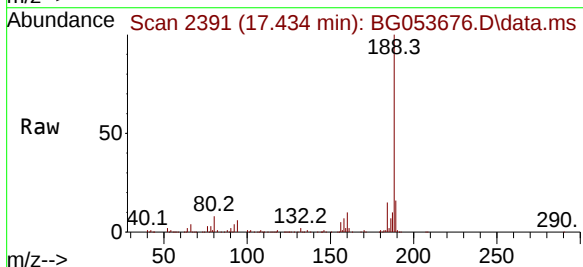
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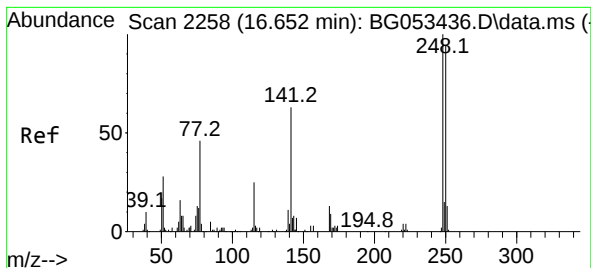
Tgt Ion:165	Resp:	11526
Ion Ratio	Lower	Upper
165	100	
63	0.0	34.6 52.0#
89	4.0	60.3 90.5#
182	0.0	2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.434 min Scan# 2391
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Tgt Ion:188	Resp:	205194
Ion Ratio	Lower	Upper
188	100	
94	6.4	5.4 8.0
80	7.6	6.8 10.2

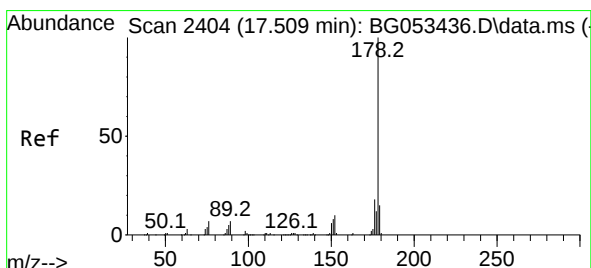
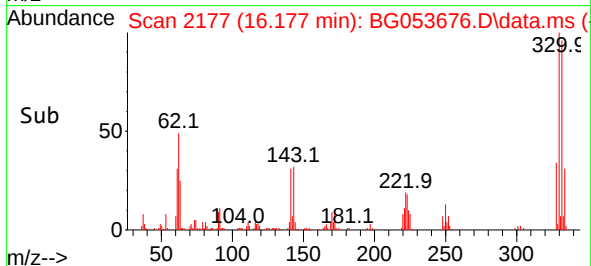
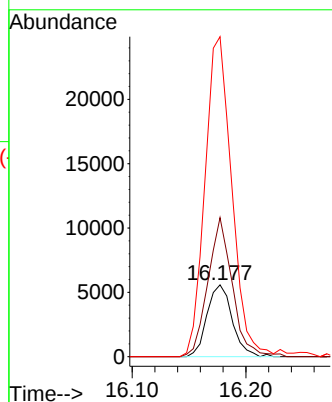
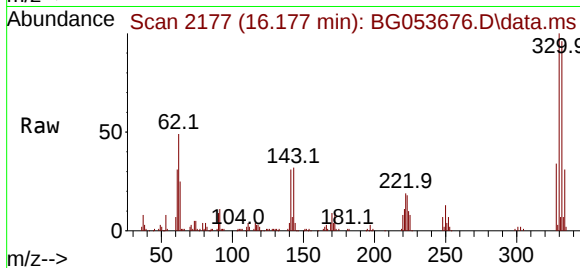




#67
4-Bromophenyl-phenylether
Concen: 3.587 ng
RT: 16.177 min Scan# 2177
Delta R.T. -0.439 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

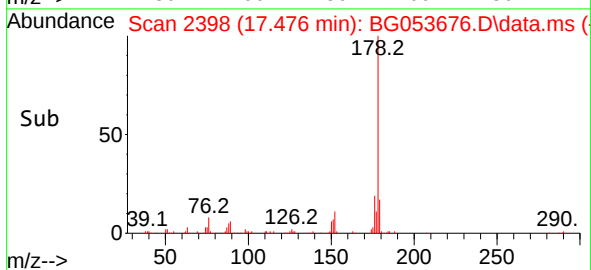
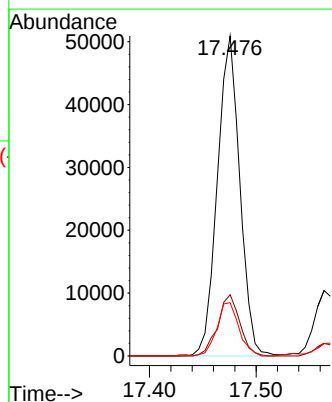
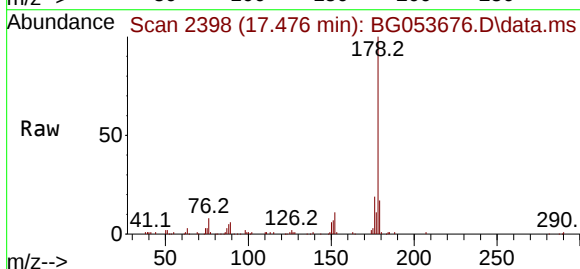
Instrument :
BNA_G
ClientSampleId :
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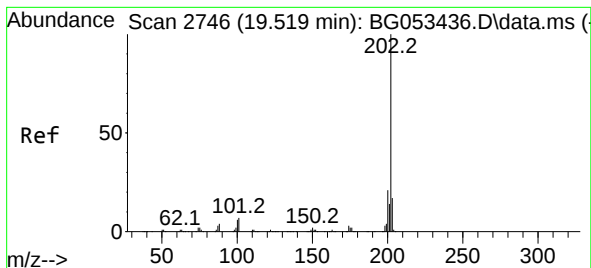
Tgt Ion:248 Resp: 8595
Ion Ratio Lower Upper
248 100
250 193.7 75.2 112.8#
141 445.7 50.0 75.0#



#71
Phenanthrene
Concen: 7.128 ng
RT: 17.476 min Scan# 2398
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Tgt Ion:178 Resp: 74376
Ion Ratio Lower Upper
178 100
176 19.1 14.1 21.1
179 16.7 12.1 18.1





#75

Fluoranthene

Concen: 10.160 ng

RT: 19.485 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG053676.D

Acq: 23 May 2022 22:47

Instrument :

BNA_G

ClientSampleId :

P-7

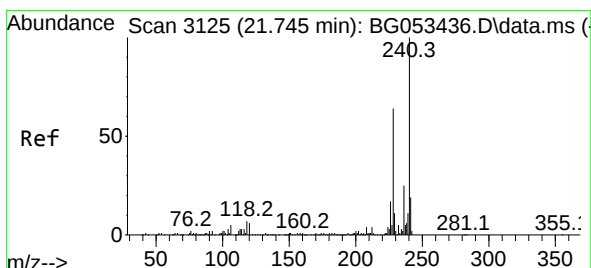
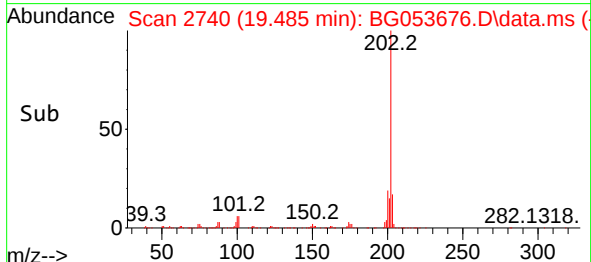
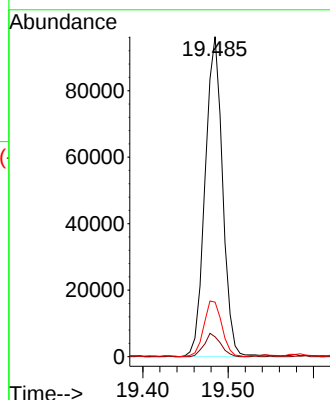
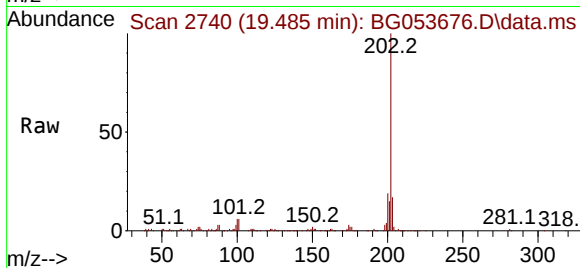
Tgt Ion:202 Resp: 137258

Ion Ratio Lower Upper

202 100

101 6.2 0.0 26.9

203 17.0 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.711 min Scan# 3119

Delta R.T. -0.005 min

Lab File: BG053676.D

Acq: 23 May 2022 22:47

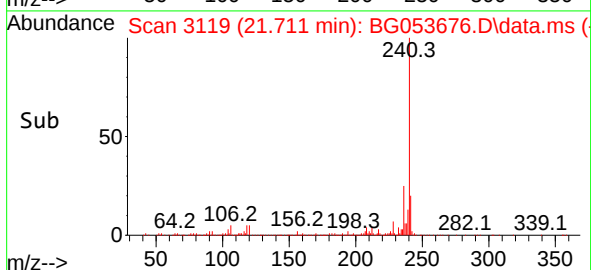
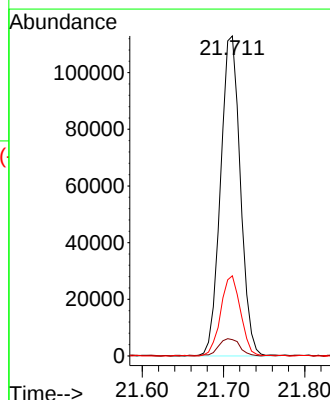
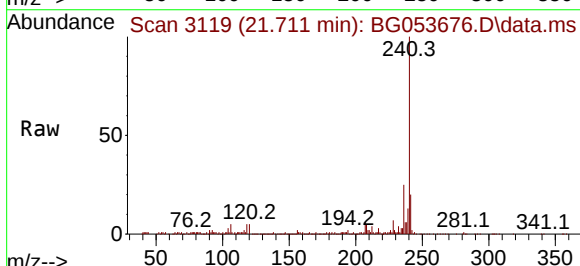
Tgt Ion:240 Resp: 191421

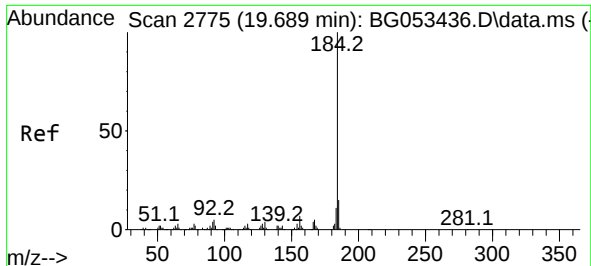
Ion Ratio Lower Upper

240 100

120 5.1 4.6 7.0

236 25.1 20.2 30.4

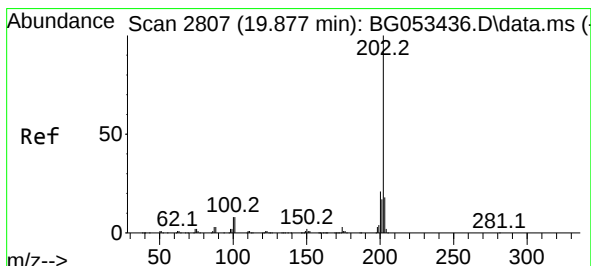
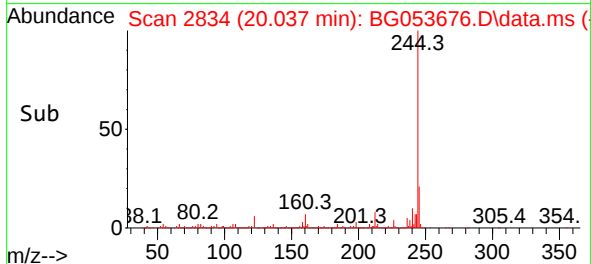
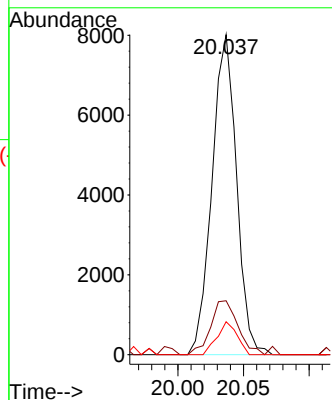
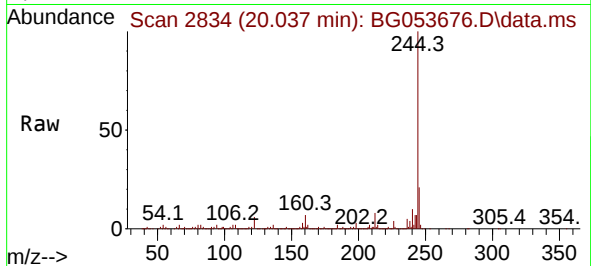




#77
Benzidine
Concen: 2.523 ng
RT: 20.037 min Scan# 21
Delta R.T. 0.377 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

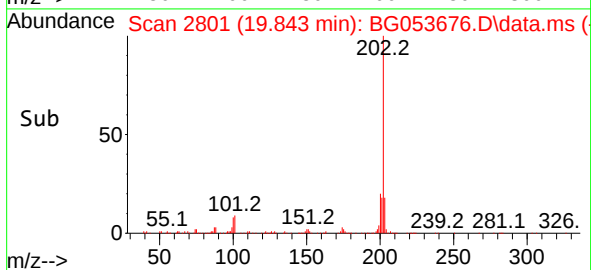
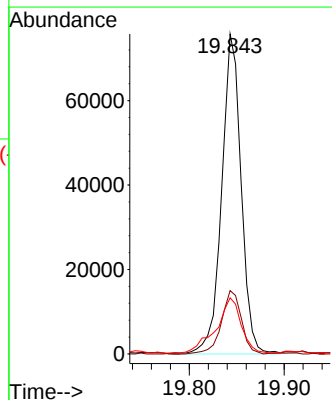
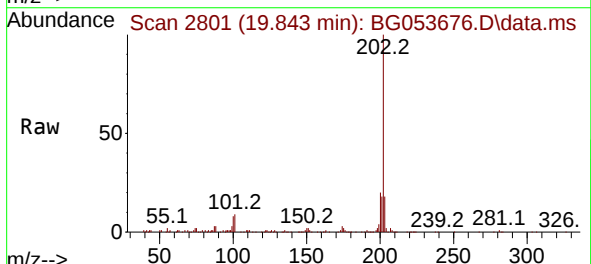
Instrument :
BNA_G
ClientSampleId :
P-7

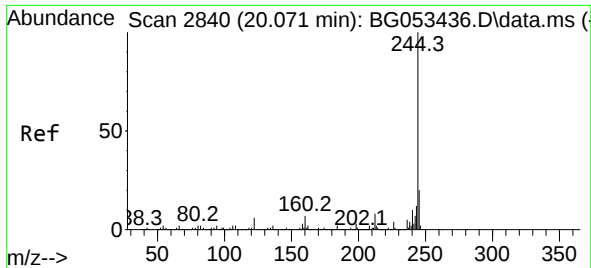
Tgt Ion:184 Resp: 10410
Ion Ratio Lower Upper
184 100
185 16.9 11.8 17.6
183 10.3 8.9 13.3



#78
Pyrene
Concen: 8.720 ng
RT: 19.843 min Scan# 2801
Delta R.T. -0.011 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Tgt Ion:202 Resp: 108050
Ion Ratio Lower Upper
202 100
200 19.8 16.6 24.8
203 17.6 14.6 21.8

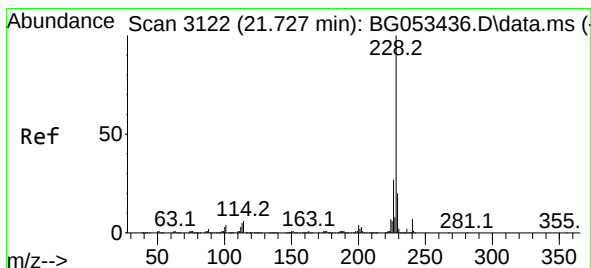
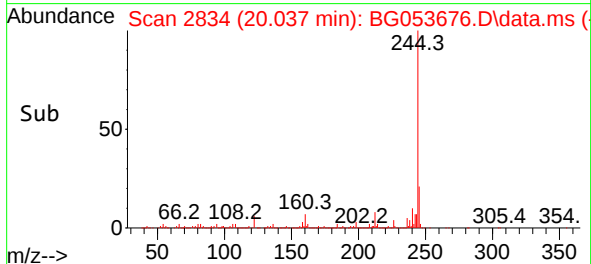
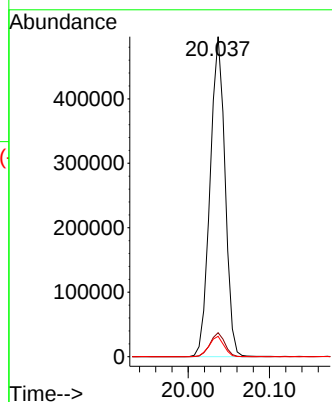
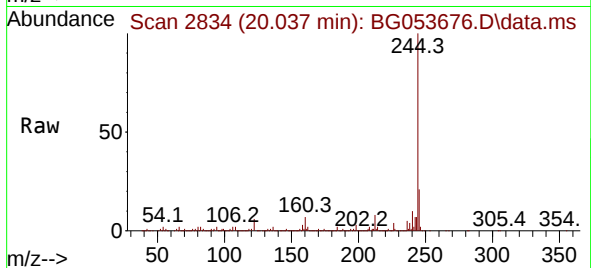




#79
 Terphenyl-d14
 Concen: 61.618 ng
 RT: 20.037 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG053676.D
 Acq: 23 May 2022 22:47

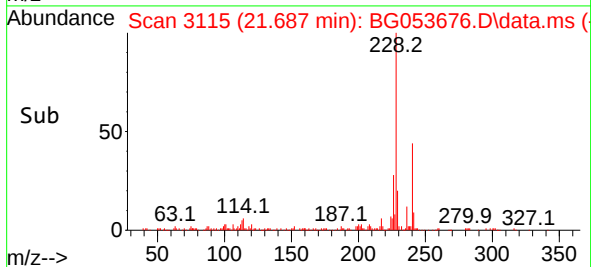
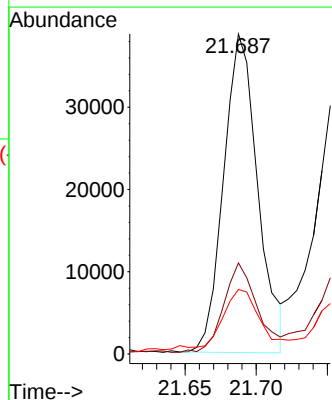
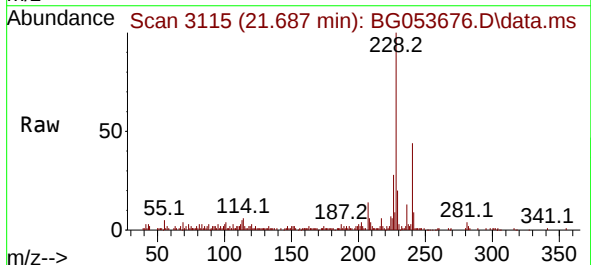
Instrument :
 BNA_G
 ClientSampleId :
 P-7

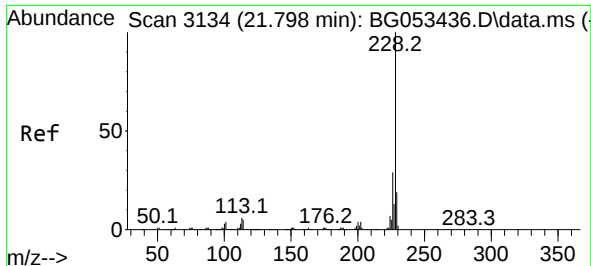
Tgt Ion:244 Resp: 633294
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 6.4 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 5.304 ng
 RT: 21.687 min Scan# 3115
 Delta R.T. -0.011 min
 Lab File: BG053676.D
 Acq: 23 May 2022 22:47

Tgt Ion:228 Resp: 64754
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.6 32.4
 229 20.2 16.2 24.2

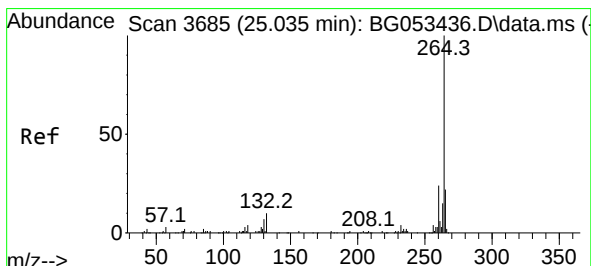
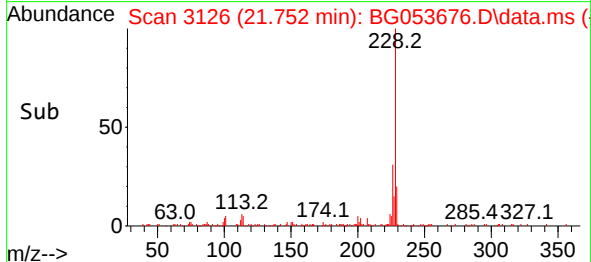
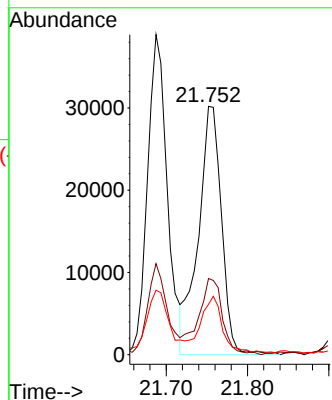
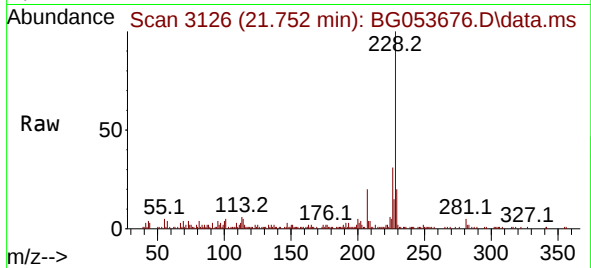




#83
Chrysene
Concen: 5.276 ng
RT: 21.752 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

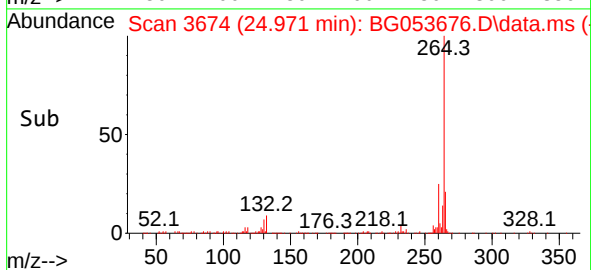
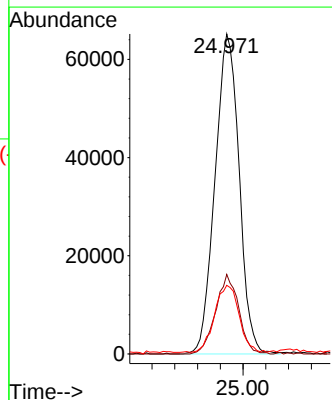
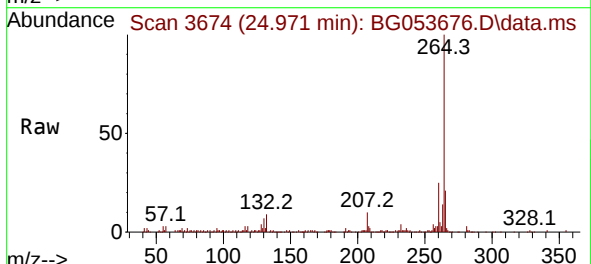
Instrument :
BNA_G
ClientSampleId :
P-7

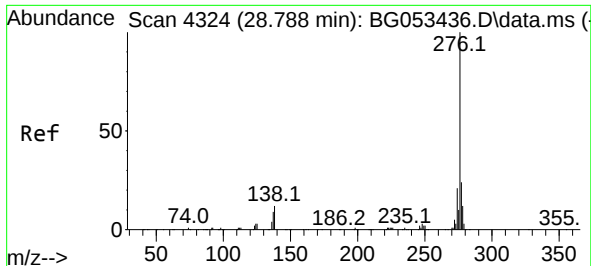
Tgt Ion:	228	Resp:	60161
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.4	35.2
229	20.3	15.5	23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.971 min Scan# 3674
Delta R.T. -0.011 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Tgt Ion:	264	Resp:	191737
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.0	28.6
265	21.5	17.4	26.2

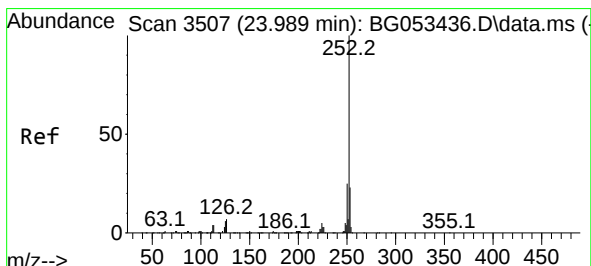
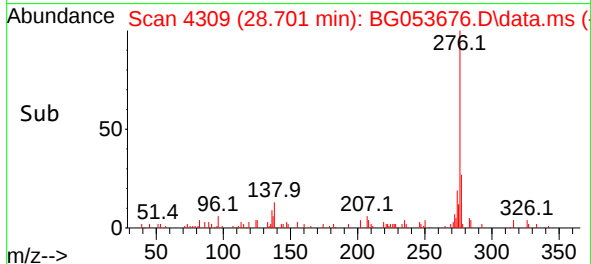
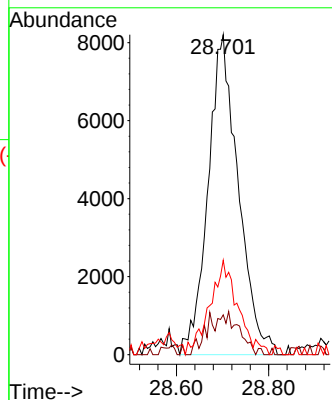
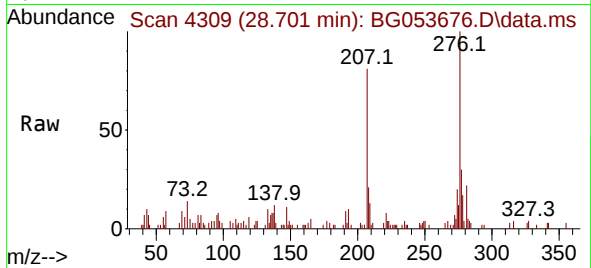




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.800 ng
RT: 28.701 min Scan# 41
Delta R.T. -0.028 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

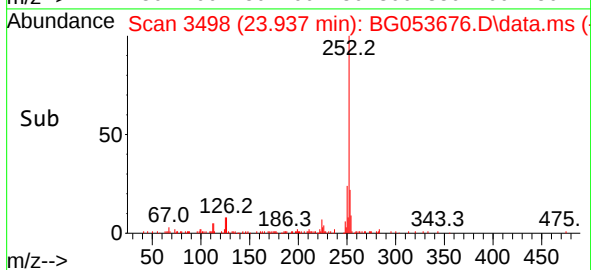
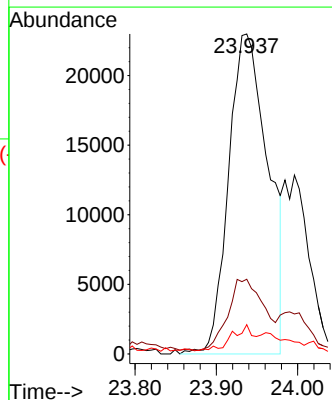
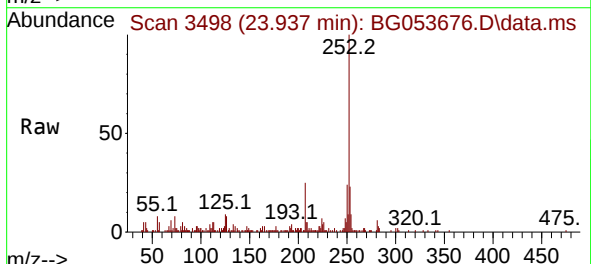
Instrument :
BNA_G
ClientSampleId :
P-7

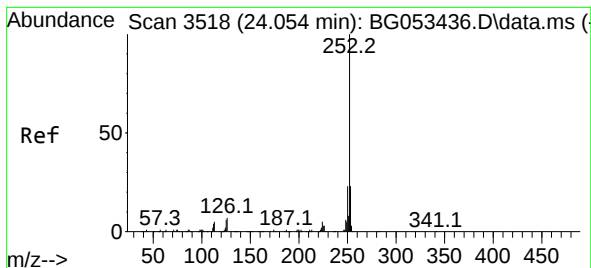
Tgt Ion:276 Resp: 37390
Ion Ratio Lower Upper
276 100
138 8.8 5.0 7.4#
277 26.2 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 6.825 ng
RT: 23.937 min Scan# 3498
Delta R.T. -0.005 min
Lab File: BG053676.D
Acq: 23 May 2022 22:47

Tgt Ion:252 Resp: 77460
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 9.1 4.6 6.8#





#89

Benzo(k)fluoranthene

Concen: 6.946 ng

RT: 23.937 min Scan# 34

Delta R.T. -0.075 min

Lab File: BG053676.D

Acq: 23 May 2022 22:47

Instrument :

BNA_G

ClientSampleId :

P-7

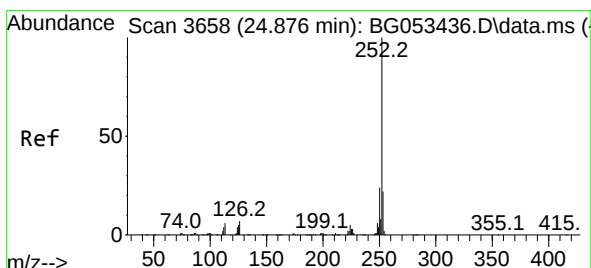
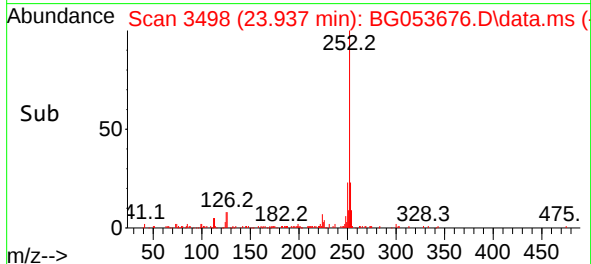
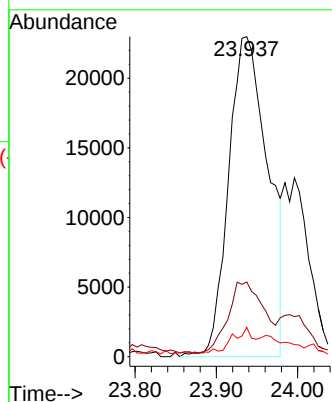
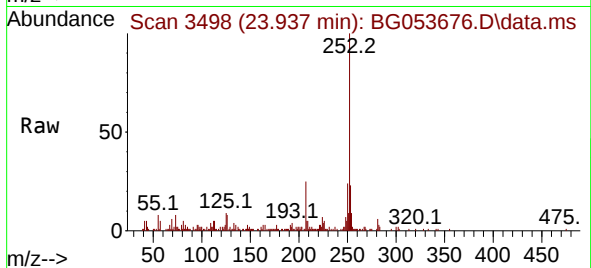
Tgt Ion:252 Resp: 77460

Ion Ratio Lower Upper

252 100

253 23.4 18.4 27.6

125 9.1 4.8 7.2#



#90

Benzo(a)pyrene

Concen: 5.402 ng

RT: 24.819 min Scan# 3648

Delta R.T. -0.011 min

Lab File: BG053676.D

Acq: 23 May 2022 22:47

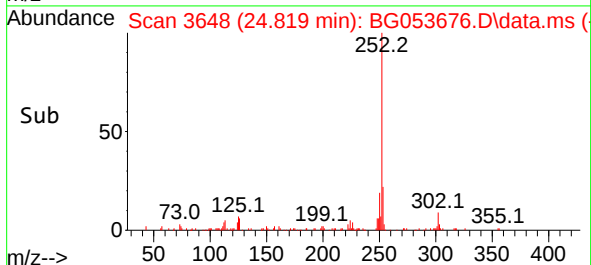
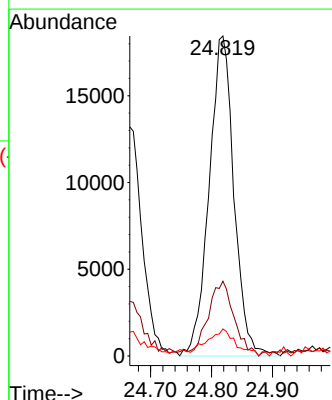
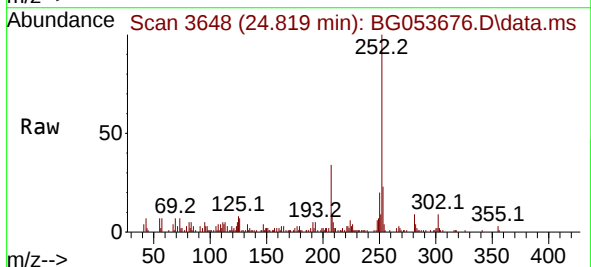
Tgt Ion:252 Resp: 52187

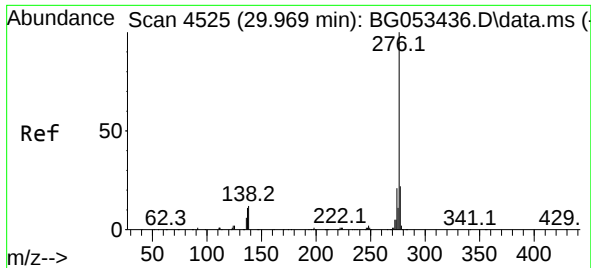
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

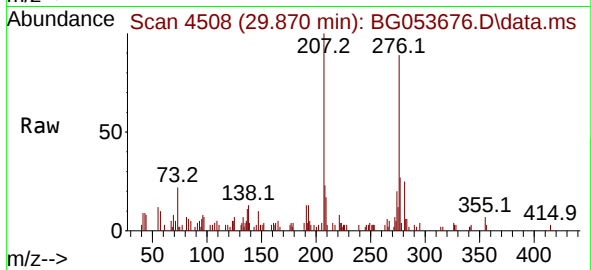
125 8.4 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 3.049 ng
 RT: 29.870 min Scan# 41
 Delta R.T. -0.034 min
 Lab File: BG053676.D
 Acq: 23 May 2022 22:47

Instrument :
 BNA_G
 ClientSampleId :
 P-7



Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.6	17.3	25.9#
138	14.4	9.6	14.4#

