

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
 Data File : BG061192.D
 Acq On : 14 May 2024 16:34
 Operator : MA/JU
 Sample : P2330-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G-2(5.0-6.0)

Quant Time: May 14 17:21:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

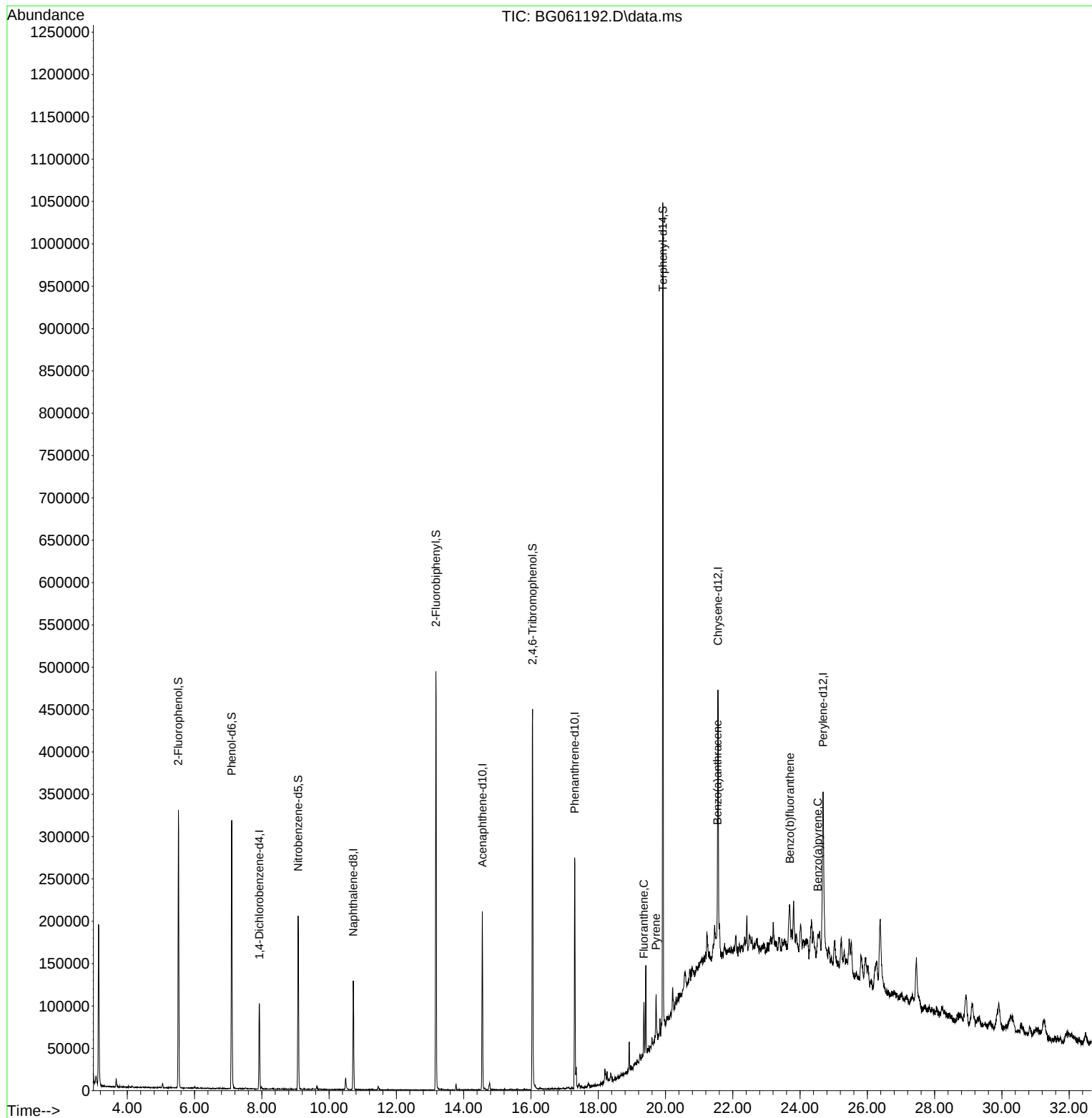
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	24478	20.000	ng	-0.03
21) Naphthalene-d8	10.720	136	98152	20.000	ng	-0.04
39) Acenaphthene-d10	14.557	164	77131	20.000	ng	-0.03
64) Phenanthrene-d10	17.301	188	182327	20.000	ng	-0.03
76) Chrysene-d12	21.560	240	181163	20.000	ng	-0.03
86) Perylene-d12	24.686	264	218501	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.520	112	113548	94.341	ng	-0.03
7) Phenol-d6	7.107	99	150091	84.297	ng	-0.03
23) Nitrobenzene-d5	9.081	82	103127	52.085	ng	-0.04
42) 2,4,6-Tribromophenol	16.049	330	104102	67.524	ng	-0.03
45) 2-Fluorobiphenyl	13.176	172	258619	49.581	ng	-0.03
79) Terphenyl-d14	19.921	244	523197	48.031	ng	-0.03
Target Compounds						
						Qvalue
75) Fluoranthene	19.357	202	43077	3.772	ng	99
78) Pyrene	19.721	202	40167	3.487	ng	99
81) Benzo(a)anthracene	21.543	228	24316	2.051	ng	# 96
88) Benzo(b)fluoranthene	23.699	252	30686	2.513	ng	# 78
90) Benzo(a)pyrene	24.528	252	21690	2.039	ng	# 84

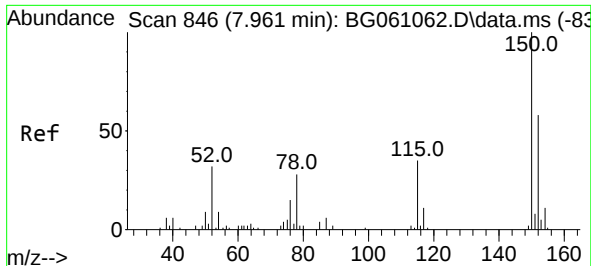
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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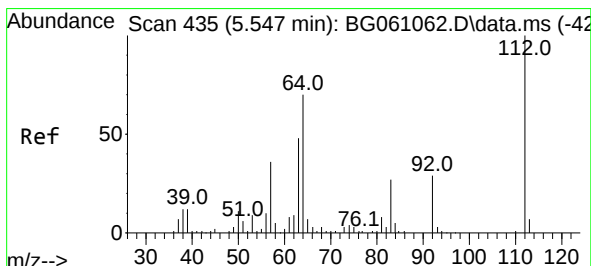
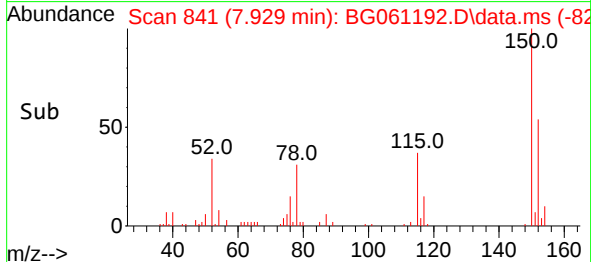
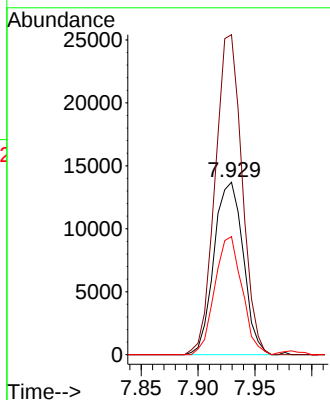
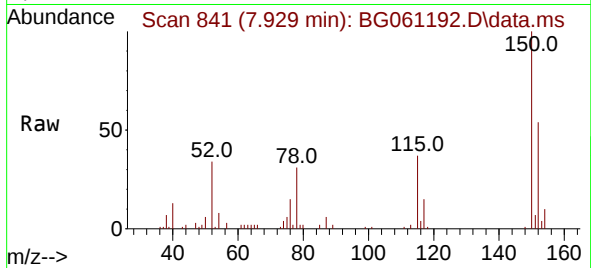




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 846
Delta R.T. -0.032 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

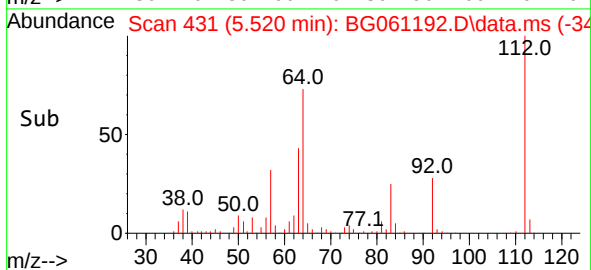
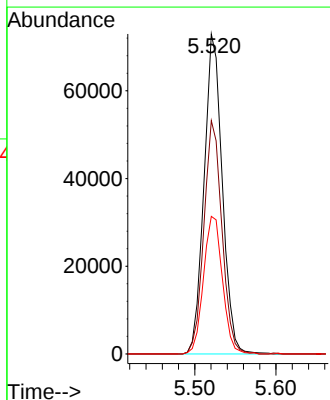
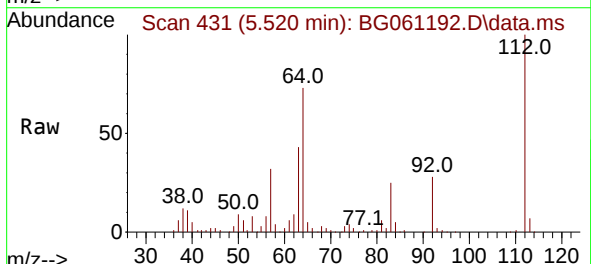
Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

Tgt Ion:152 Resp: 24478
Ion Ratio Lower Upper
152 100
150 185.5 138.3 207.5
115 68.5 48.0 72.0



#5
2-Fluorophenol
Concen: 94.341 ng
RT: 5.520 min Scan# 431
Delta R.T. -0.026 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:112 Resp: 113548
Ion Ratio Lower Upper
112 100
64 72.9 55.7 83.5
63 43.0 38.1 57.1

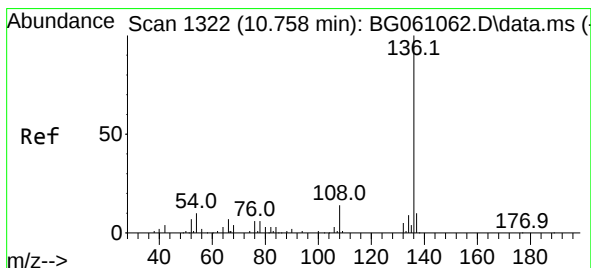
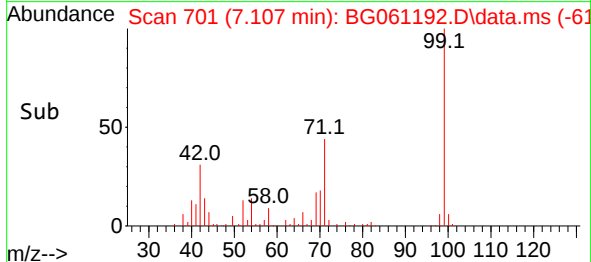
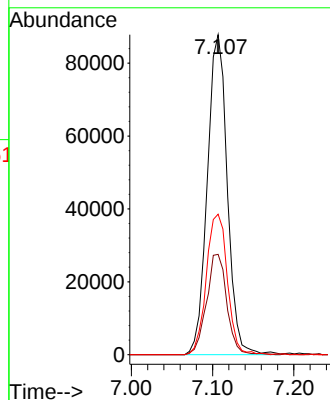
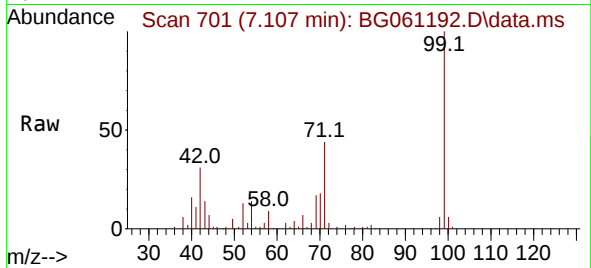




#7
Phenol-d6
Concen: 84.297 ng
RT: 7.107 min Scan# 705
Delta R.T. -0.026 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

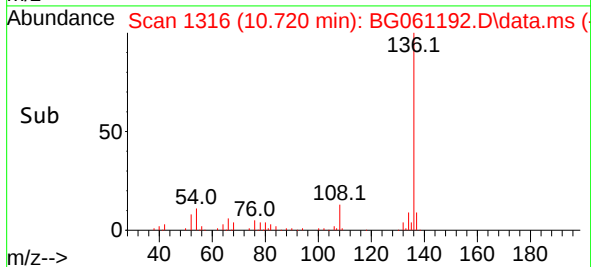
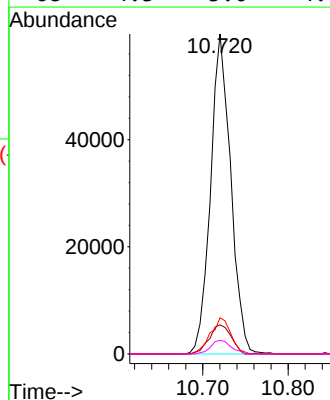
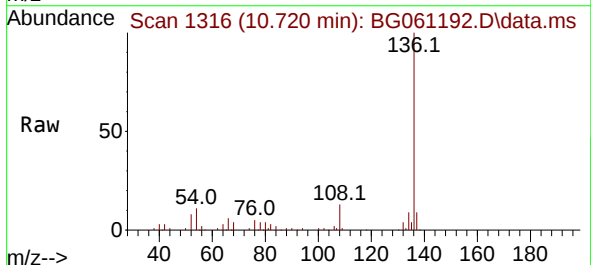
Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

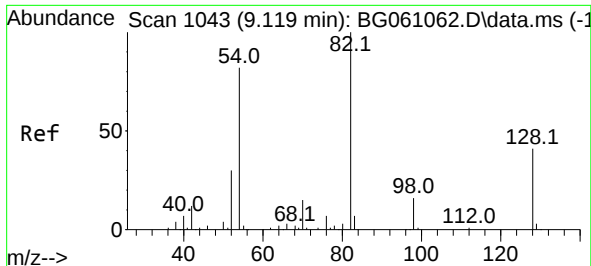
Tgt Ion: 99 Resp: 150091
Ion Ratio Lower Upper
99 100
42 31.3 29.2 43.8
71 43.9 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 1316
Delta R.T. -0.038 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:136 Resp: 98152
Ion Ratio Lower Upper
136 100
137 9.1 7.8 11.6
54 11.3 8.1 12.1
68 4.3 3.0 4.4





#23

Nitrobenzene-d5

Concen: 52.085 ng

RT: 9.081 min Scan# 1

Delta R.T. -0.038 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

Instrument :

BNA_G

ClientSampleId :

G-2(5.0-6.0)

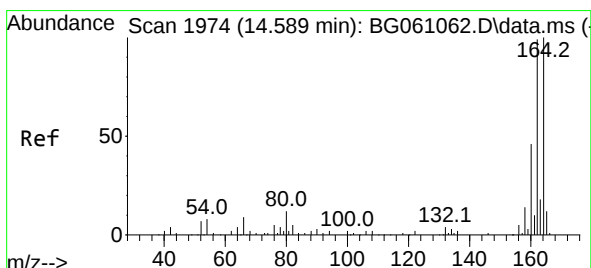
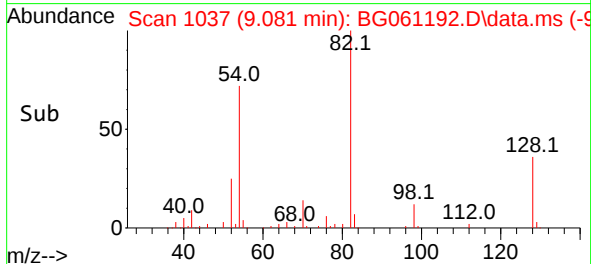
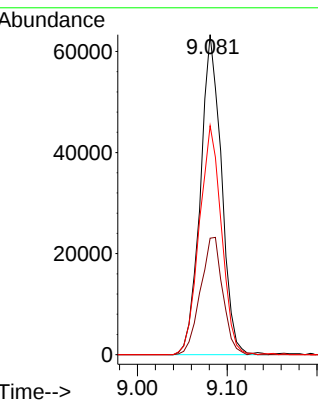
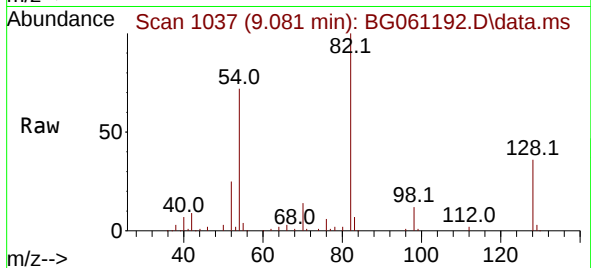
Tgt Ion: 82 Resp: 103127

Ion Ratio Lower Upper

82 100

128 36.4 32.7 49.1

54 71.6 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.032 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

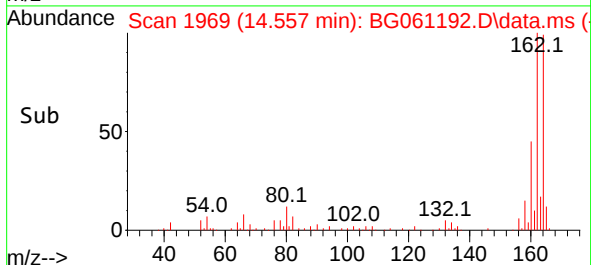
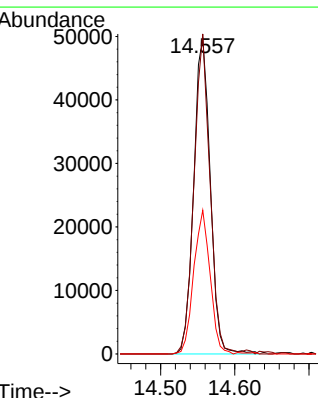
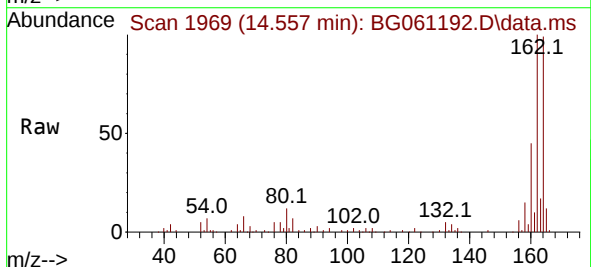
Tgt Ion:164 Resp: 77131

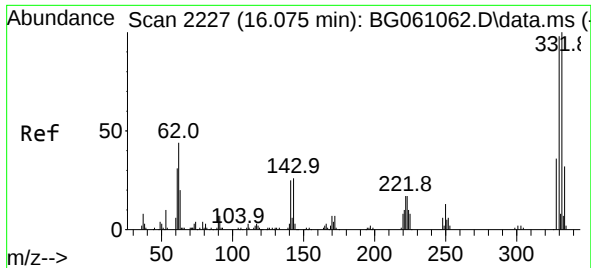
Ion Ratio Lower Upper

164 100

162 101.2 79.4 119.2

160 45.4 37.0 55.6

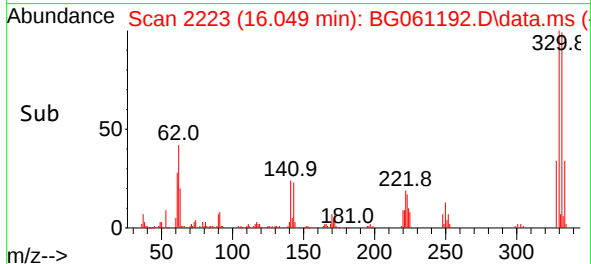
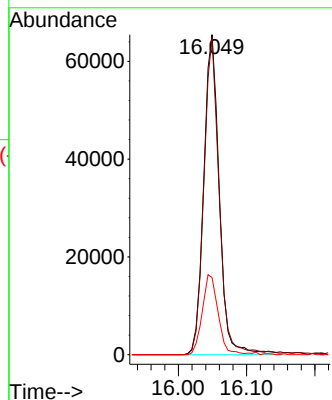
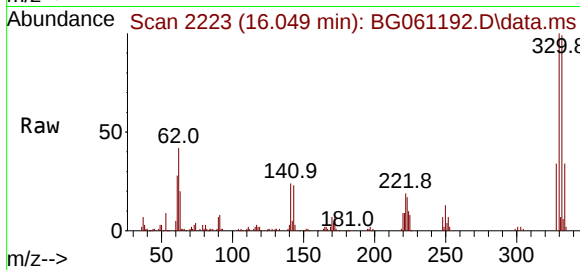




#42
2,4,6-Tribromophenol
Concen: 67.524 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.026 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

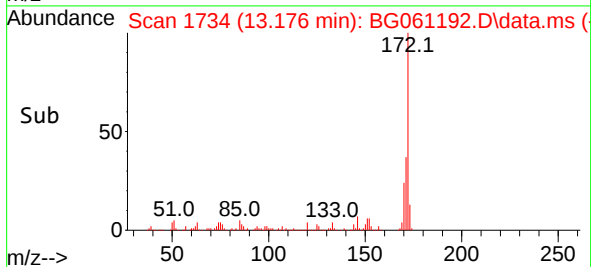
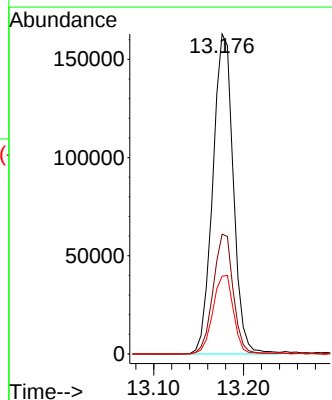
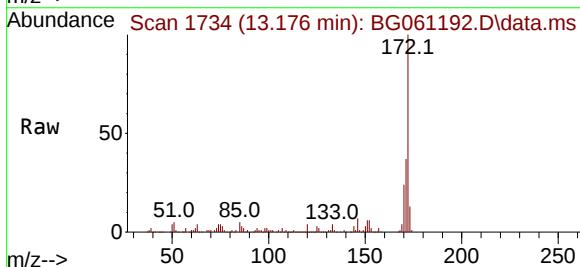
Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

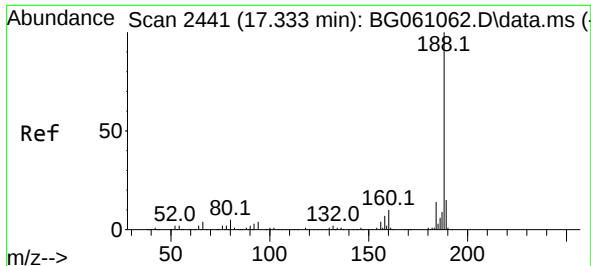
Tgt Ion:330 Resp: 104102
Ion Ratio Lower Upper
330 100
332 96.6 78.6 117.8
141 25.3 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 49.581 ng
RT: 13.176 min Scan# 1734
Delta R.T. -0.032 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:172 Resp: 258619
Ion Ratio Lower Upper
172 100
171 37.4 29.0 43.6
170 24.3 20.2 30.4

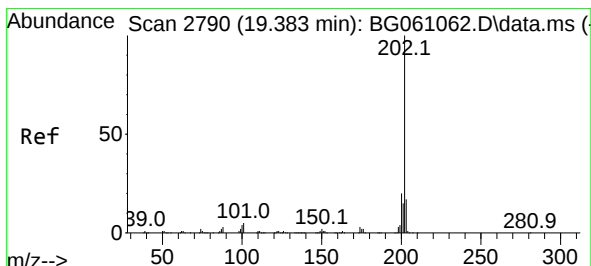
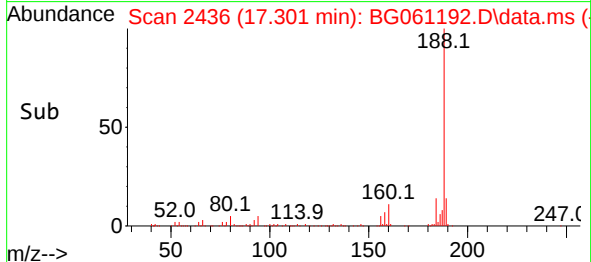
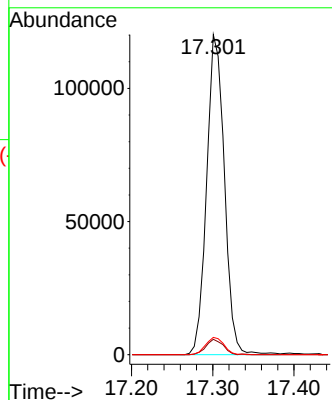
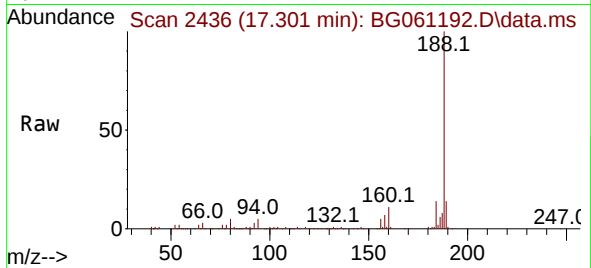




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.301 min Scan# 2441
Delta R.T. -0.032 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

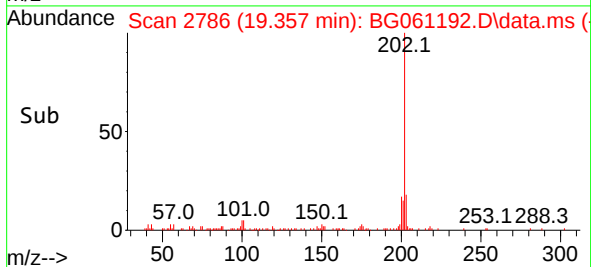
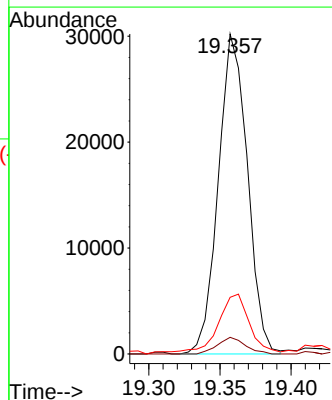
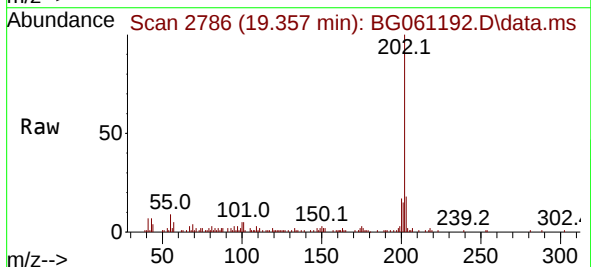
Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

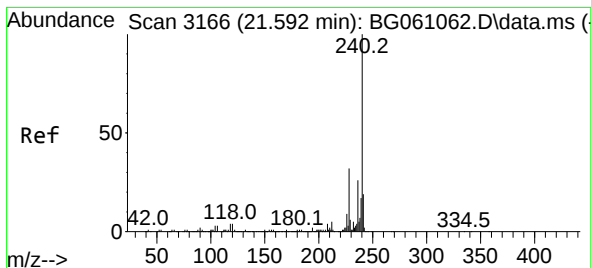
Tgt Ion:188 Resp: 182327
Ion Ratio Lower Upper
188 100
94 4.8 3.6 5.4
80 5.4 4.2 6.2



#75
Fluoranthene
Concen: 3.772 ng
RT: 19.357 min Scan# 2786
Delta R.T. -0.026 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:202 Resp: 43077
Ion Ratio Lower Upper
202 100
101 5.2 0.0 24.7
203 17.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.560 min Scan# 31

Delta R.T. -0.032 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

Instrument :

BNA_G

ClientSampleId :

G-2(5.0-6.0)

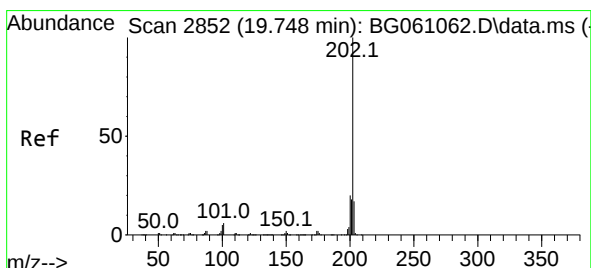
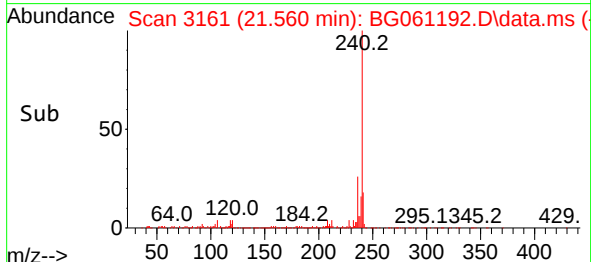
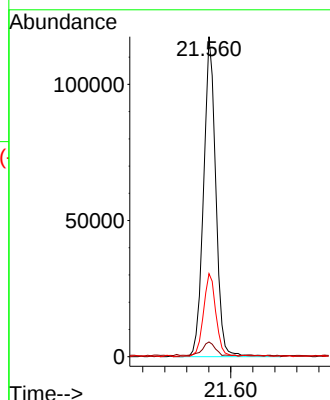
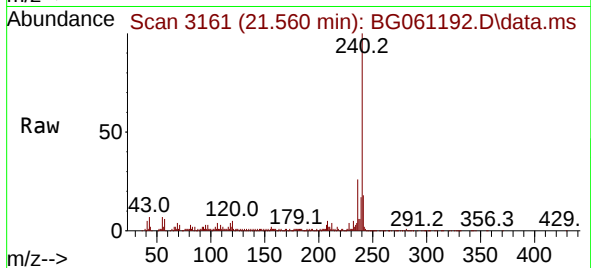
Tgt Ion:240 Resp: 181163

Ion Ratio Lower Upper

240 100

120 4.6 3.2 4.8

236 25.9 21.0 31.6



#78

Pyrene

Concen: 3.487 ng

RT: 19.721 min Scan# 2848

Delta R.T. -0.026 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

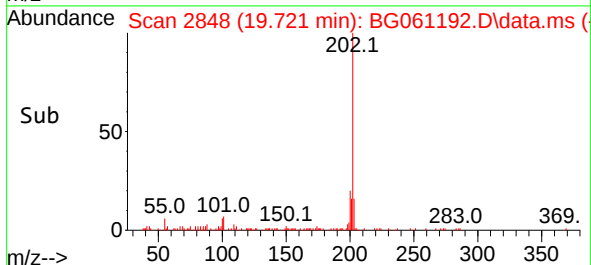
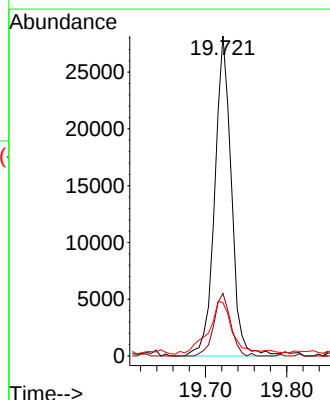
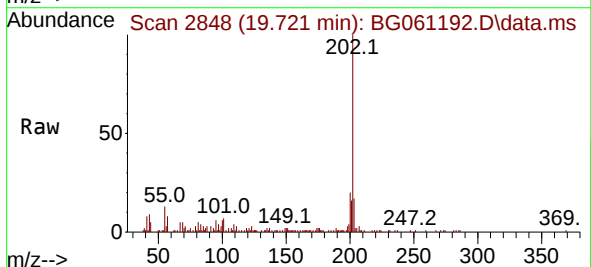
Tgt Ion:202 Resp: 40167

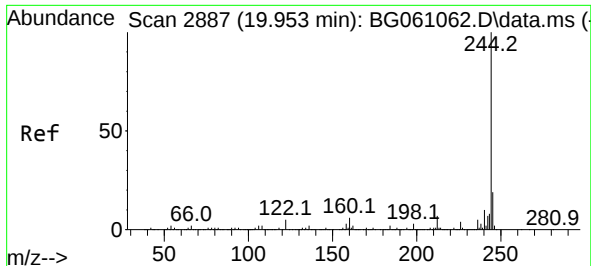
Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.4

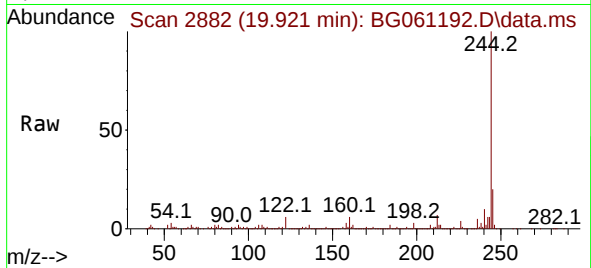
203 16.7 13.3 19.9



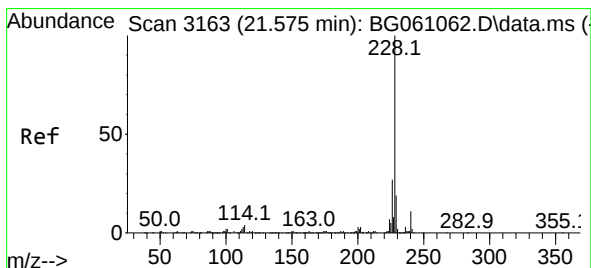
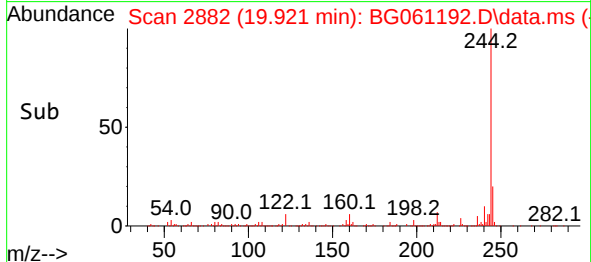
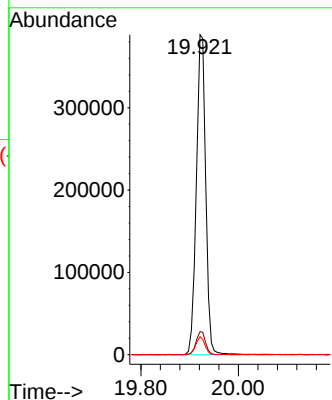


#79
Terphenyl-d14
Concen: 48.031 ng
RT: 19.921 min Scan# 21
Delta R.T. -0.032 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

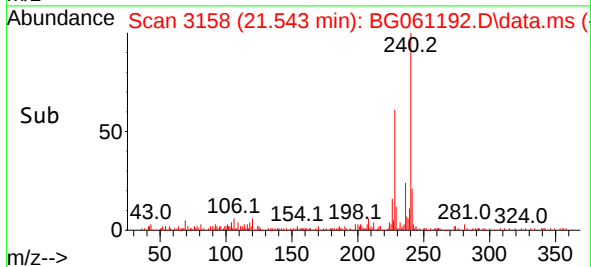
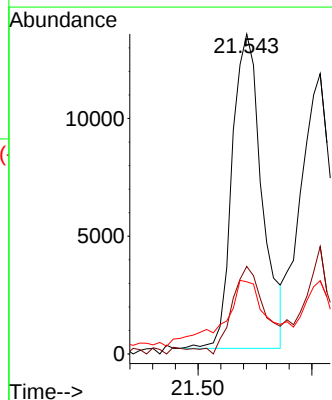
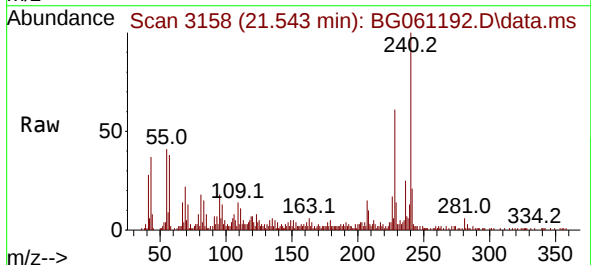


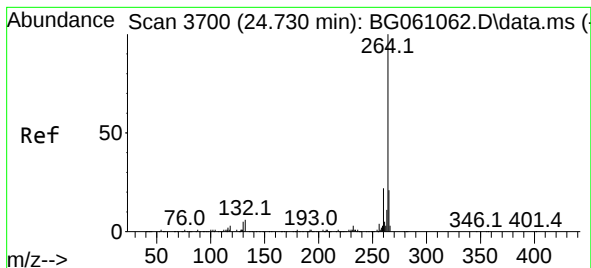
Tgt Ion:244 Resp: 523197
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 5.7 4.2 6.2



#81
Benzo(a)anthracene
Concen: 2.051 ng
RT: 21.543 min Scan# 3158
Delta R.T. -0.032 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:228 Resp: 24316
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 22.6 15.0 22.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.044 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

Instrument :

BNA_G

ClientSampleId :

G-2(5.0-6.0)

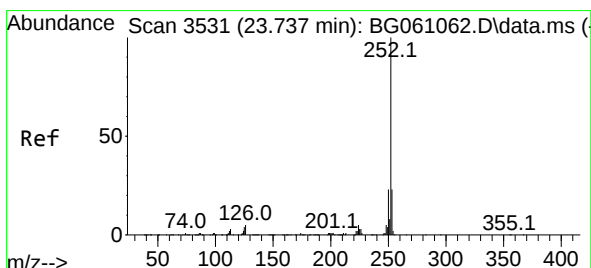
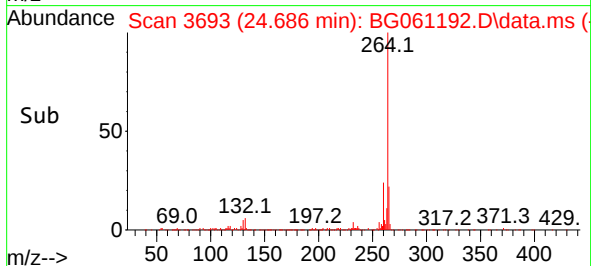
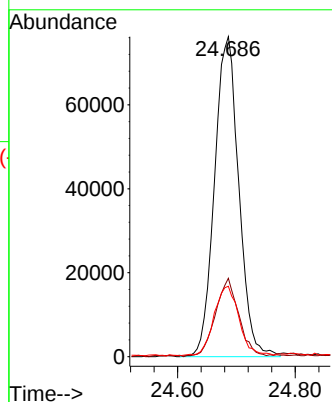
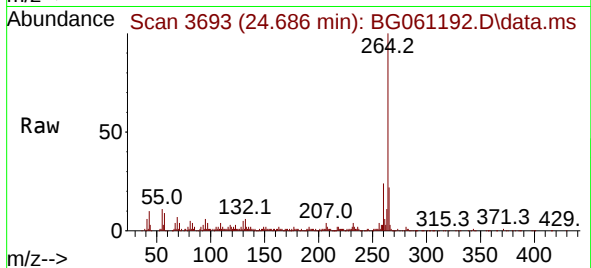
Tgt Ion:264 Resp: 218501

Ion Ratio Lower Upper

264 100

260 24.5 17.7 26.5

265 22.0 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 2.513 ng

RT: 23.699 min Scan# 3525

Delta R.T. -0.038 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

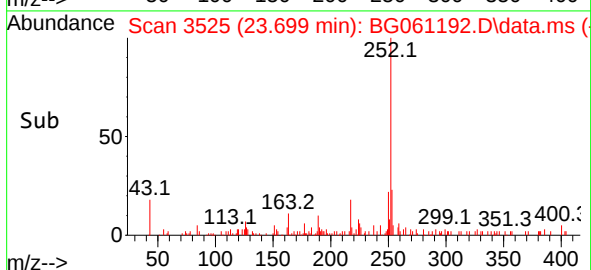
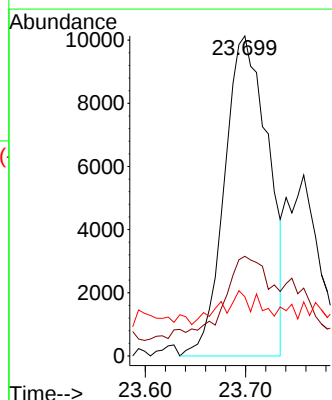
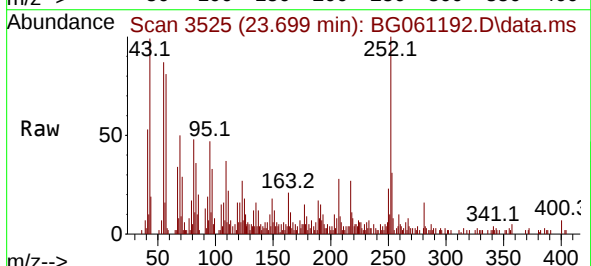
Tgt Ion:252 Resp: 30686

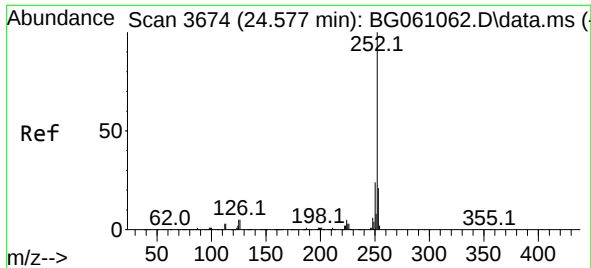
Ion Ratio Lower Upper

252 100

253 31.1 18.2 27.2#

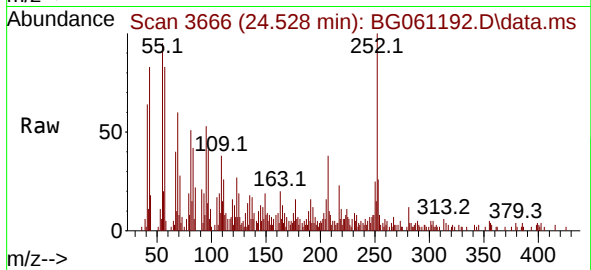
125 18.5 3.4 5.0#





#90
 Benzo(a)pyrene
 Concen: 2.039 ng
 RT: 24.528 min Scan# 30
 Delta R.T. -0.050 min
 Lab File: BG061192.D
 Acq: 14 May 2024 16:34

Instrument :
 BNA_G
 ClientSampleId :
 G-2(5.0-6.0)



Tgt Ion:252 Resp: 21690
 Ion Ratio Lower Upper
 252 100
 253 25.8 16.9 25.3#
 125 19.5 3.8 5.8#

