

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061079.D
 Acq On : 1 May 2024 16:47
 Operator : MA/JU
 Sample : P2330-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 01 17:54:13 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)

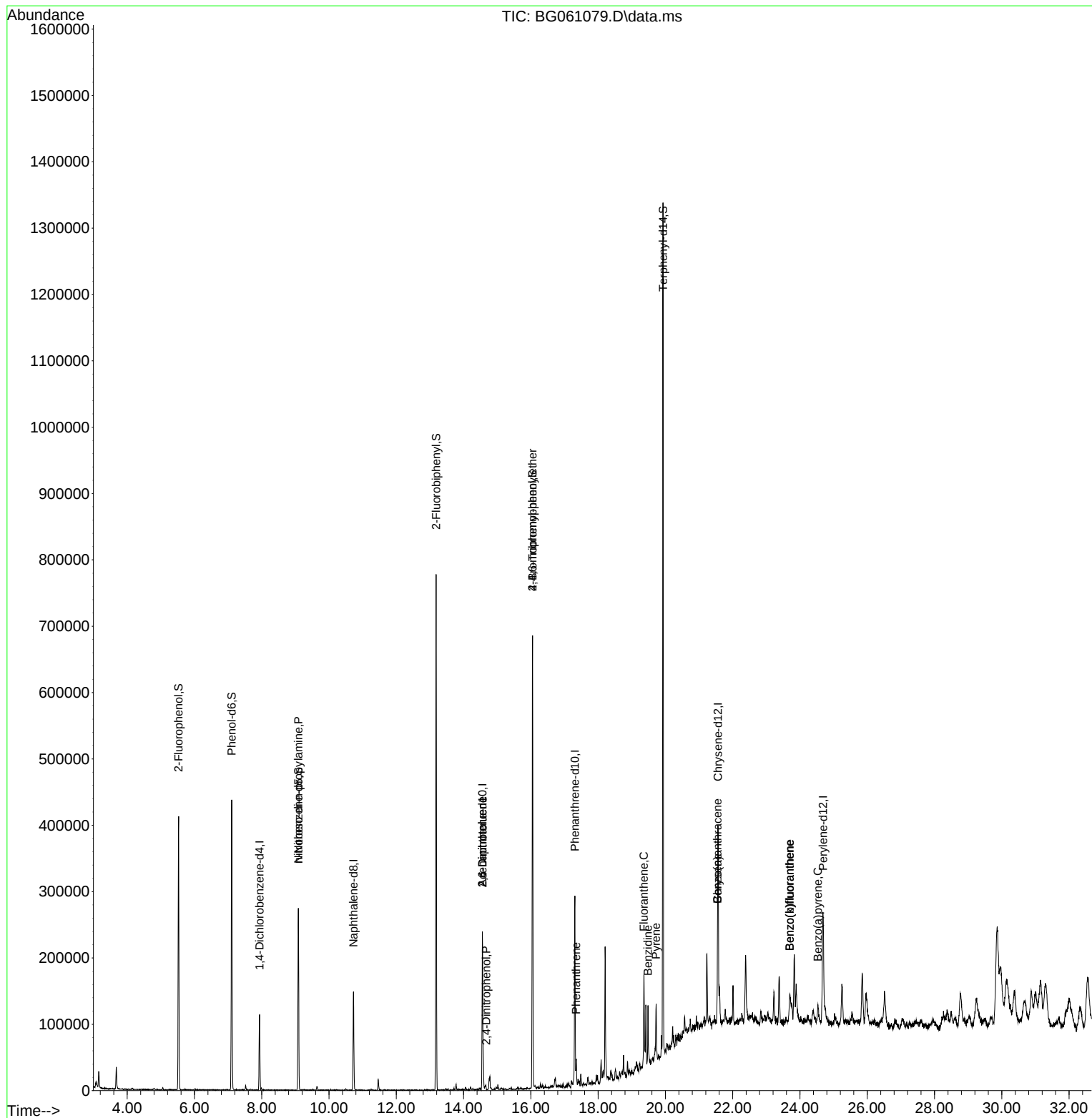
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	29231	20.000	ng	-0.02
21) Naphthalene-d8	10.728	136	112631	20.000	ng	-0.03
39) Acenaphthene-d10	14.559	164	81406	20.000	ng	-0.03
64) Phenanthrene-d10	17.309	188	185494	20.000	ng	-0.02
76) Chrysene-d12	21.563	240	177985	20.000	ng	-0.03
86) Perylene-d12	24.688	264	219005	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	141689	98.580	ng	-0.02
7) Phenol-d6	7.109	99	191818	90.215	ng	-0.02
23) Nitrobenzene-d5	9.089	82	133897	58.932	ng	-0.03
42) 2,4,6-Tribromophenol	16.051	330	147606	90.714	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	380424	69.103	ng	-0.02
79) Terphenyl-d14	19.929	244	644097	60.186	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.074	77	93	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.089	70	20473	12.866	ng	# 64
51) 2,6-Dinitrotoluene	14.559	165	11397	8.474	ng	# 15
54) 2,4-Dinitrophenol	14.677	184	55	2.264	ng	# 11
57) 2,4-Dinitrotoluene	14.559	165	11397	5.728	ng	# 17
67) 4-Bromophenyl-phenylether	16.051	248	9672	4.426	ng	# 1
71) Phenanthrene	17.350	178	23414	2.761	ng	# 93
75) Fluoranthene	19.359	202	60222	5.183	ng	97
77) Benzidine	19.477	184	408	2.909	ng	# 1
78) Pyrene	19.724	202	58654	5.183	ng	99
81) Benzo(a)anthracene	21.545	228	35708	3.066	ng	92
83) Chrysene	21.545	228	35708	3.272	ng	96
88) Benzo(b)fluoranthene	23.695	252	52423	4.284	ng	# 96
89) Benzo(k)fluoranthene	23.695	252	52423	4.453	ng	# 98
90) Benzo(a)pyrene	24.530	252	34750	3.259	ng	98

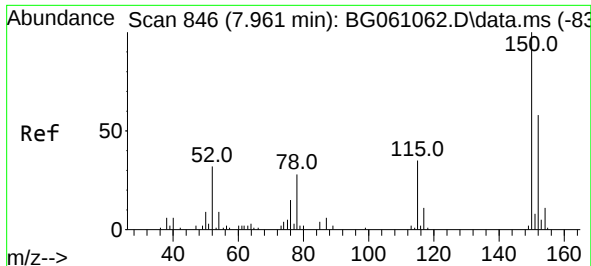
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061079.D
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Instrument :
BNA_G
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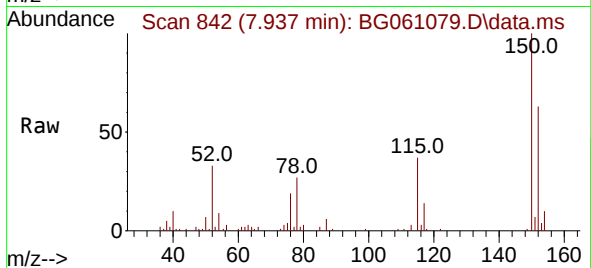
Quant Time: May 01 17:54:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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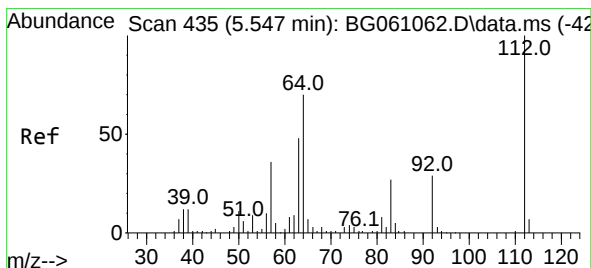
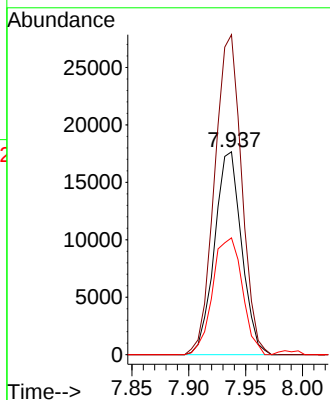
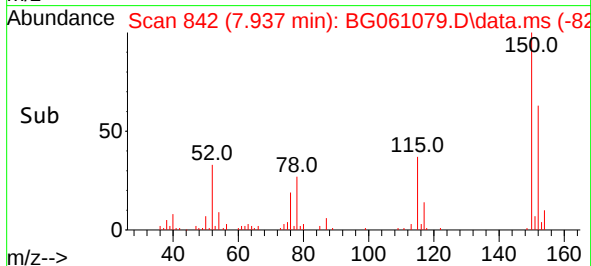


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 846
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

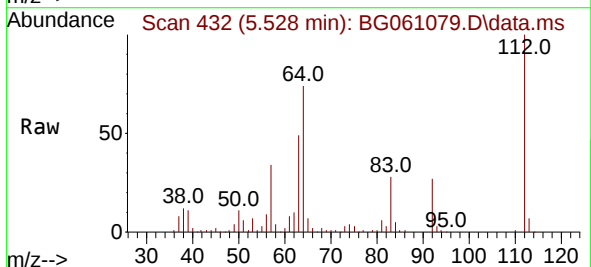
Instrument :
BNA_G
ClientSampleId :



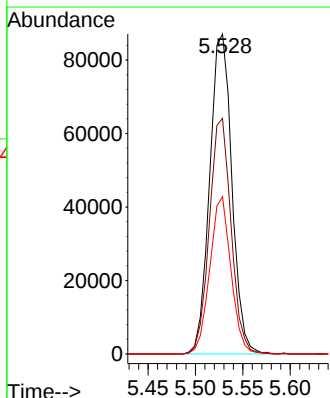
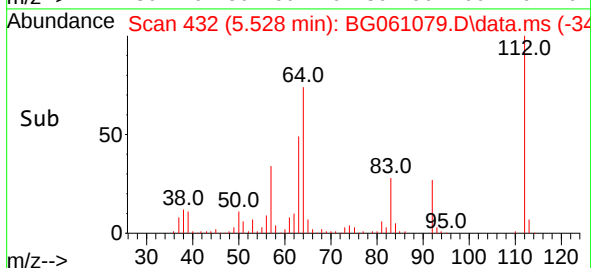
Tgt Ion:152 Resp: 29231
Ion Ratio Lower Upper
152 100
150 157.8 138.3 207.5
115 57.6 48.0 72.0

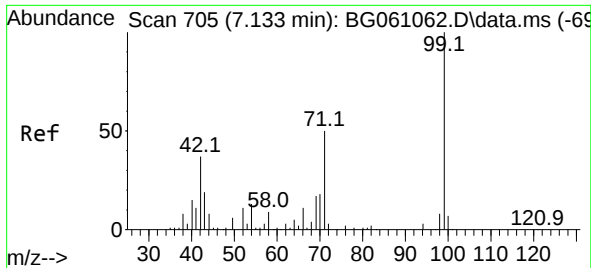


#5
2-Fluorophenol
Concen: 98.580 ng
RT: 5.528 min Scan# 432
Delta R.T. -0.018 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47



Tgt Ion:112 Resp: 141689
Ion Ratio Lower Upper
112 100
64 73.7 55.7 83.5
63 49.1 38.1 57.1





#7

Phenol-d6

Concen: 90.215 ng

RT: 7.109 min Scan# 705

Delta R.T. -0.024 min

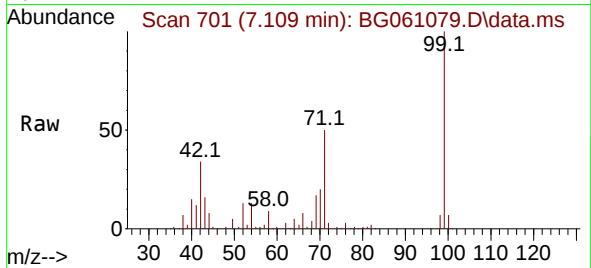
Lab File: BG061079.D

Acq: 1 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :



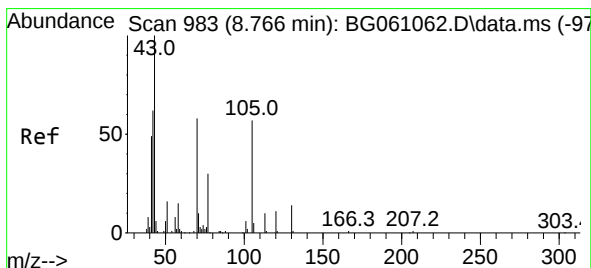
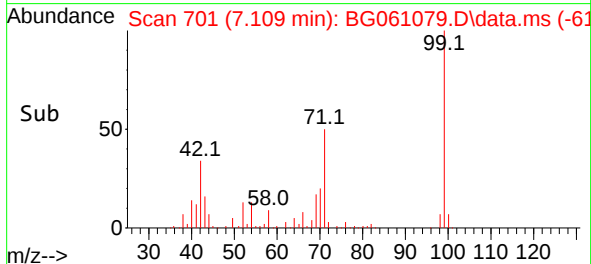
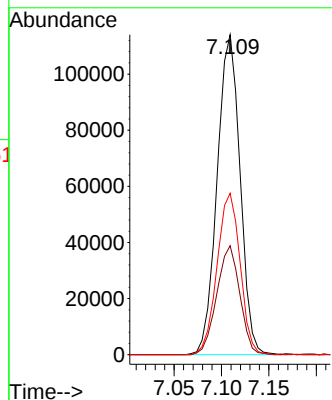
Tgt Ion: 99 Resp: 191818

Ion Ratio Lower Upper

99 100

42 34.0 29.2 43.8

71 50.4 39.7 59.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.866 ng

RT: 9.089 min Scan# 1038

Delta R.T. 0.323 min

Lab File: BG061079.D

Acq: 1 May 2024 16:47

Tgt Ion: 70 Resp: 20473

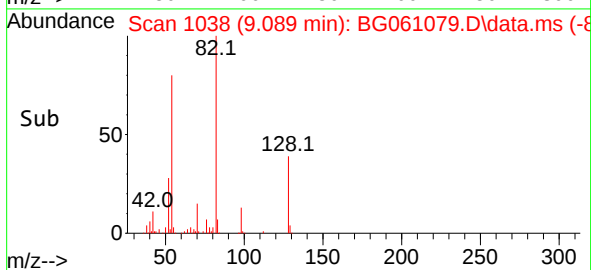
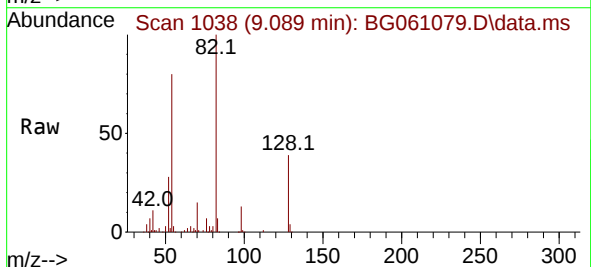
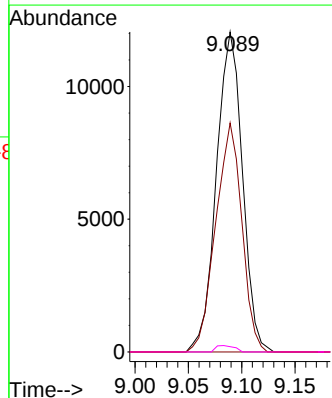
Ion Ratio Lower Upper

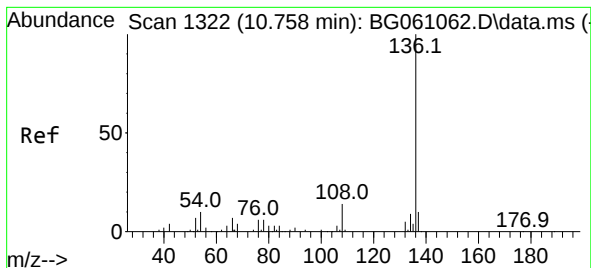
70 100

42 71.6 86.4 129.6#

101 0.0 7.8 11.8#

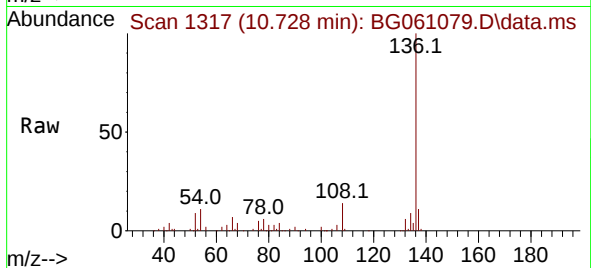
130 1.6 19.0 28.4#



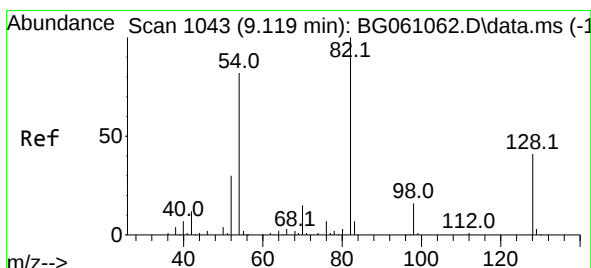
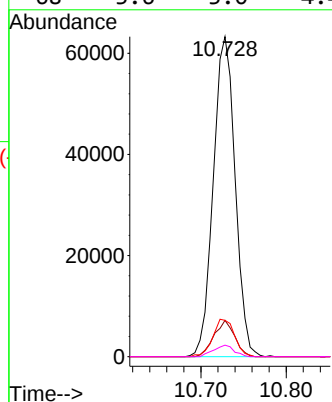
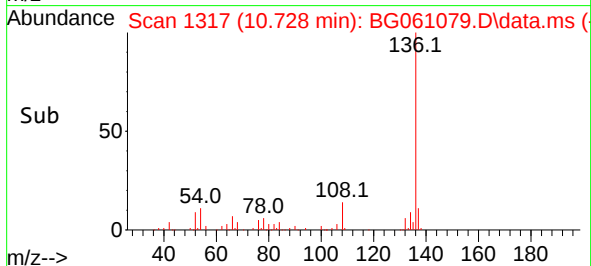


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 11
Delta R.T. -0.030 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

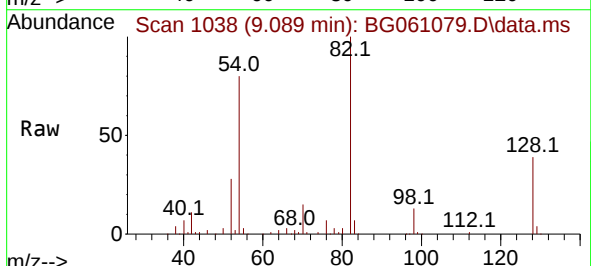
Instrument :
BNA_G
ClientSampleId :



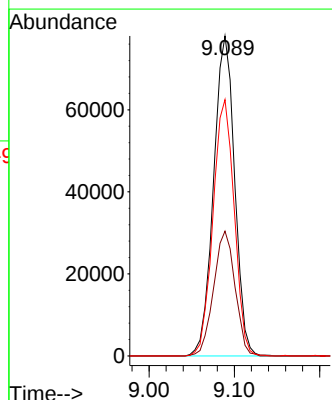
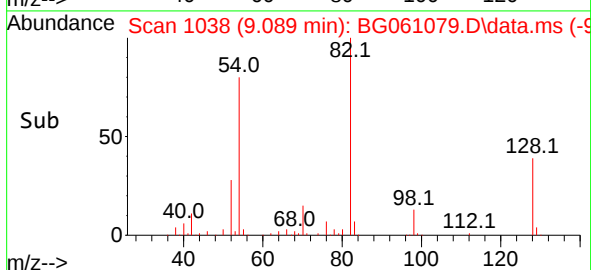
Tgt Ion:	136	Resp:	112631
Ion	Ratio	Lower	Upper
136	100		
137	11.3	7.8	11.6
54	11.4	8.1	12.1
68	3.6	3.0	4.4

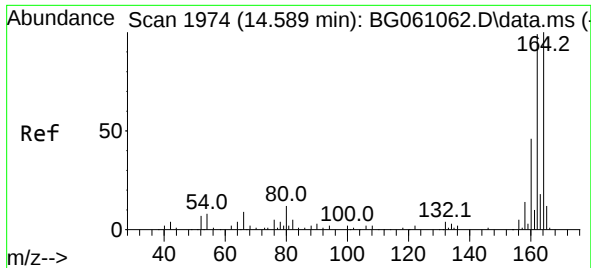


#23
Nitrobenzene-d5
Concen: 58.932 ng
RT: 9.089 min Scan# 1038
Delta R.T. -0.030 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47



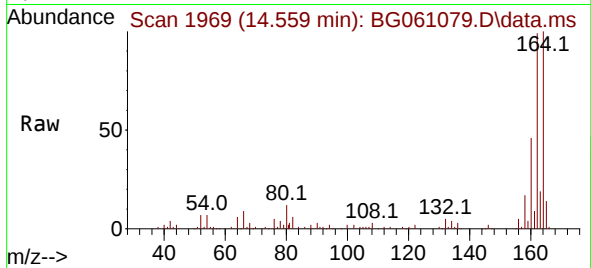
Tgt Ion:	82	Resp:	133897
Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.7	49.1
54	80.1	65.6	98.4



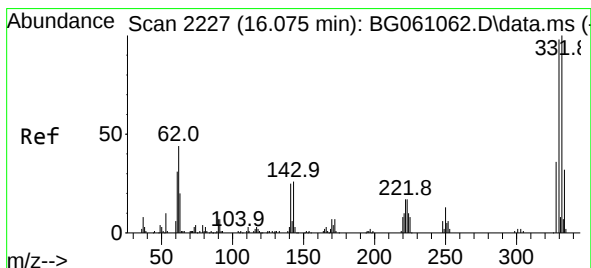
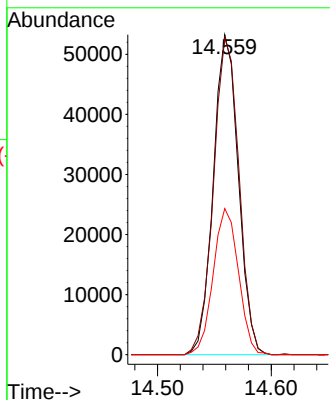
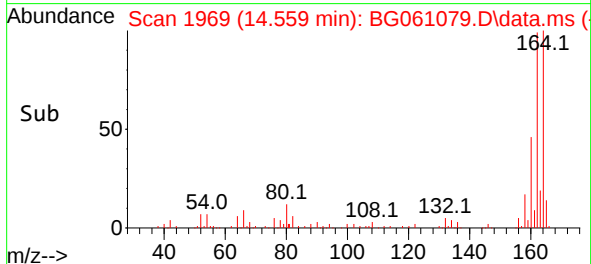


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.559 min Scan# 1969
Delta R.T. -0.030 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

Instrument :
BNA_G
ClientSampleId :

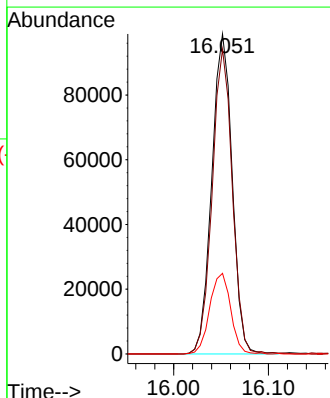
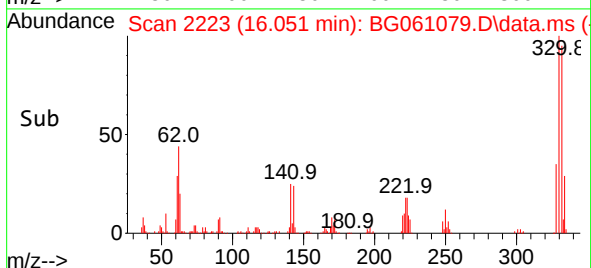
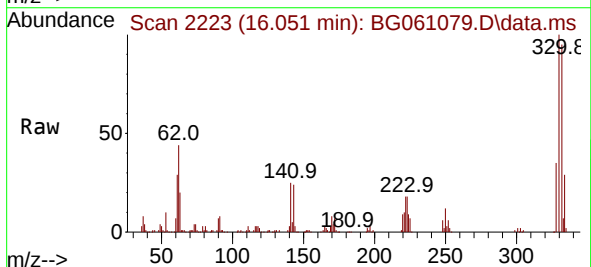


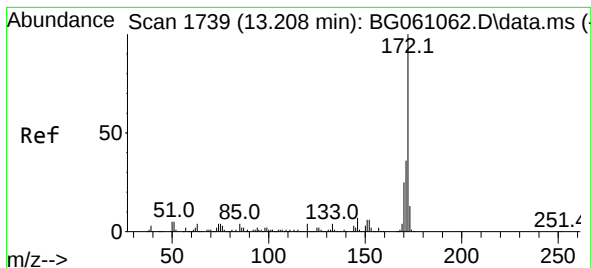
Tgt Ion:164 Resp: 81406
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.2
160 45.6 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 90.714 ng
RT: 16.051 min Scan# 2223
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

Tgt Ion:330 Resp: 147606
Ion Ratio Lower Upper
330 100
332 94.1 78.6 117.8
141 25.9 20.5 30.7





#45

2-Fluorobiphenyl

Concen: 69.103 ng

RT: 13.184 min Scan# 1

Delta R.T. -0.024 min

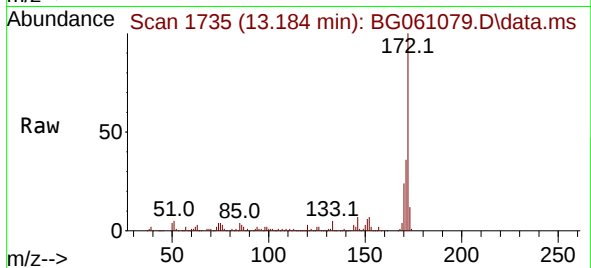
Lab File: BG061079.D

Acq: 1 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :



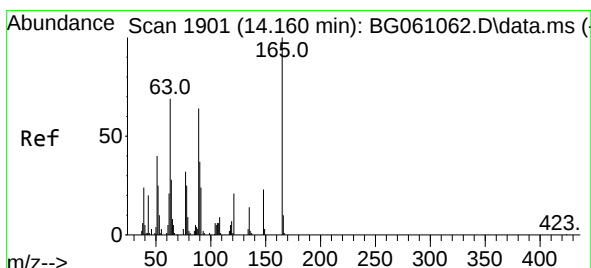
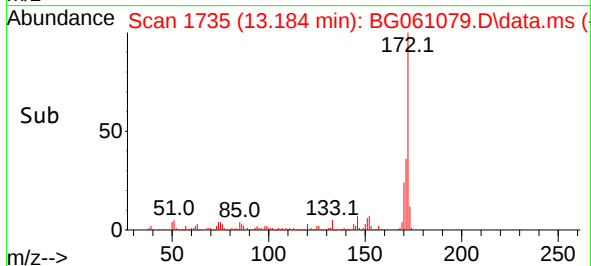
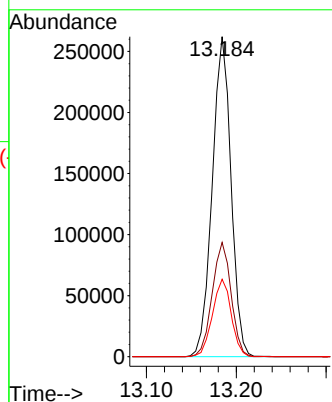
Tgt Ion:172 Resp: 380424

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.6

170 24.2 20.2 30.4



#51

2,6-Dinitrotoluene

Concen: 8.474 ng

RT: 14.559 min Scan# 1969

Delta R.T. 0.399 min

Lab File: BG061079.D

Acq: 1 May 2024 16:47

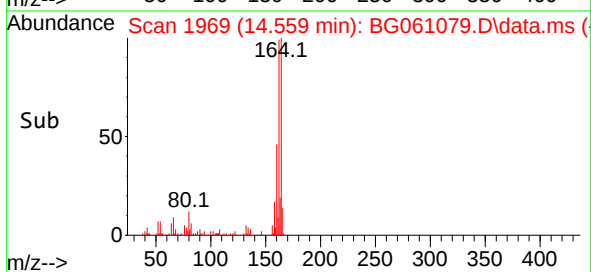
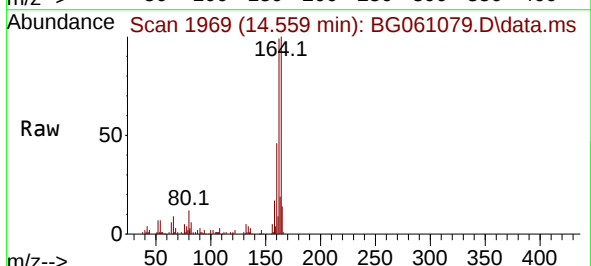
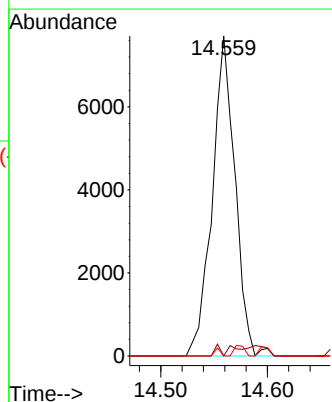
Tgt Ion:165 Resp: 11397

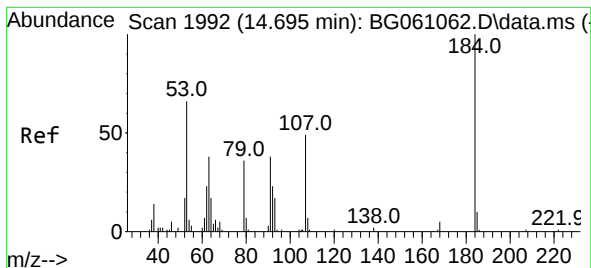
Ion Ratio Lower Upper

165 100

63 0.0 60.0 90.0#

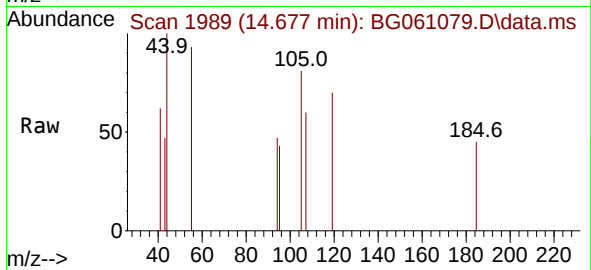
89 0.0 50.9 76.3#



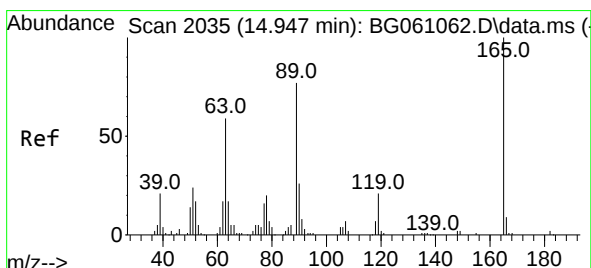
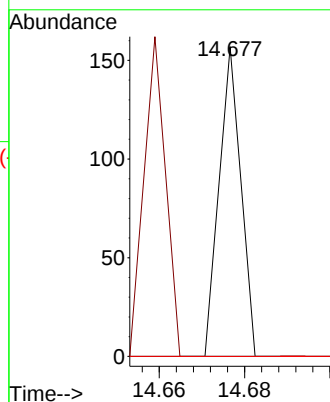
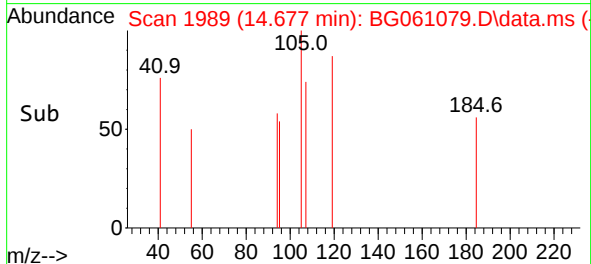


#54
2,4-Dinitrophenol
Concen: 2.264 ng
RT: 14.677 min Scan# 1989
Delta R.T. -0.018 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

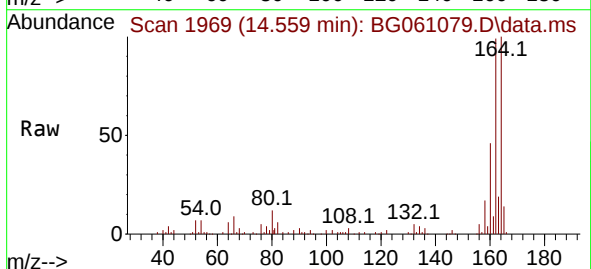
Instrument :
BNA_G
ClientSampleId :



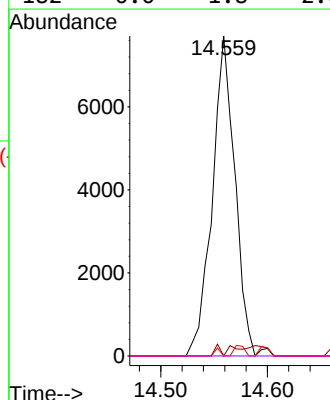
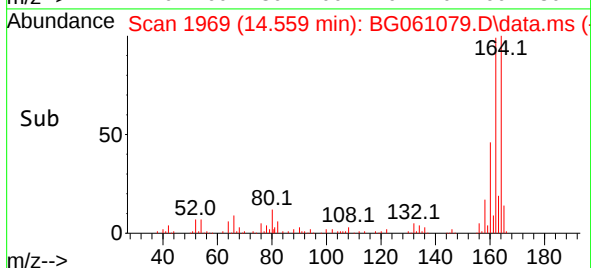
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 62.6 93.8#
154 0.0 61.4 92.0#

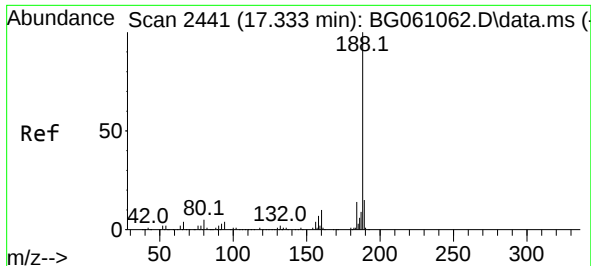


#57
2,4-Dinitrotoluene
Concen: 5.728 ng
RT: 14.559 min Scan# 1969
Delta R.T. -0.388 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47



Tgt Ion:165 Resp: 11397
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#

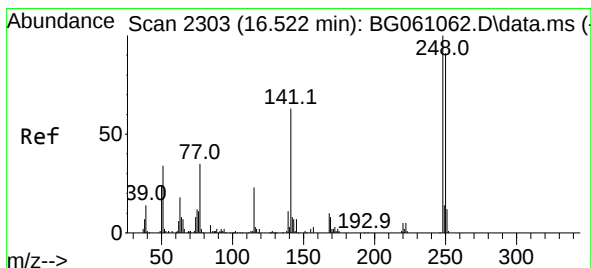
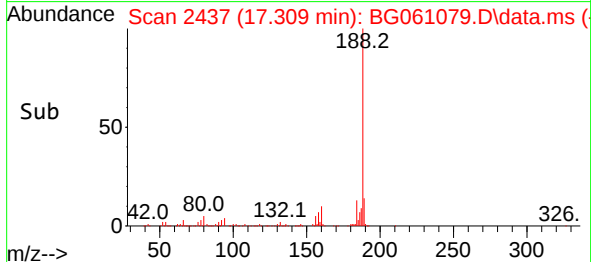
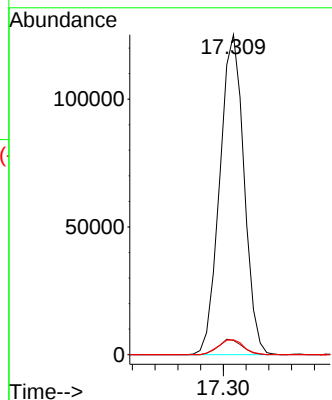
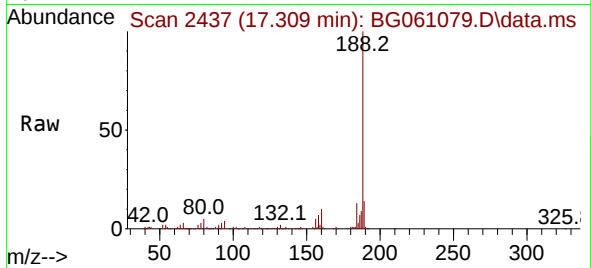




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2441
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

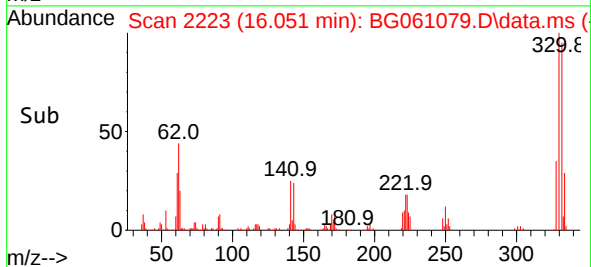
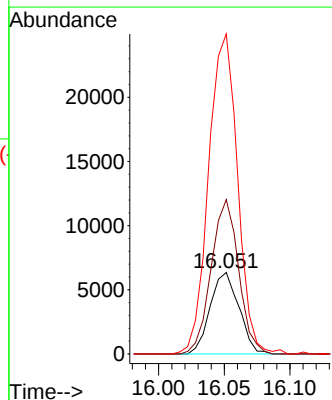
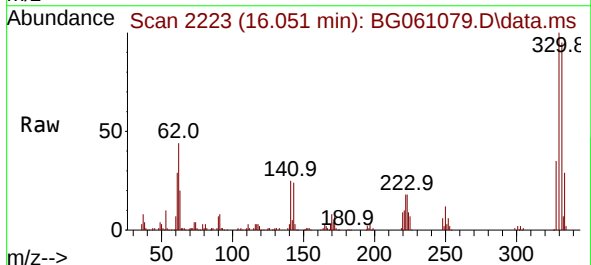
Instrument :
BNA_G
ClientSampleId :

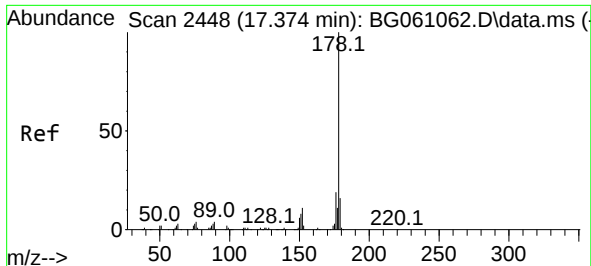
Tgt Ion:188 Resp: 185494
Ion Ratio Lower Upper
188 100
94 4.5 3.6 5.4
80 4.6 4.2 6.2



#67
4-Bromophenyl-phenylether
Concen: 4.426 ng
RT: 16.051 min Scan# 2223
Delta R.T. -0.470 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

Tgt Ion:248 Resp: 9672
Ion Ratio Lower Upper
248 100
250 189.4 73.0 109.4#
141 392.8 50.8 76.2#

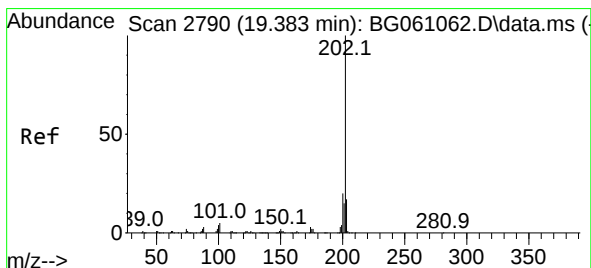
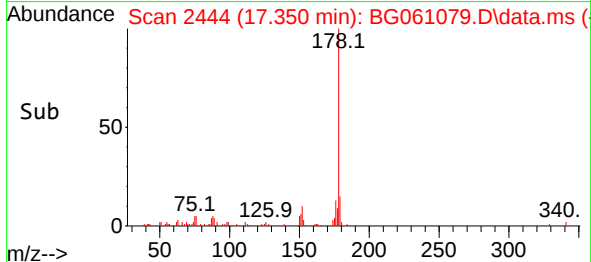
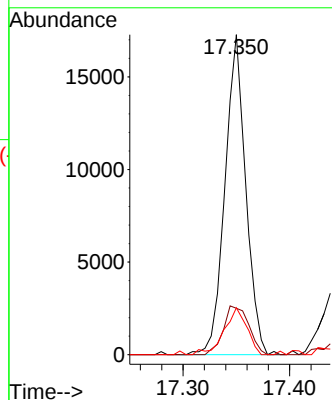
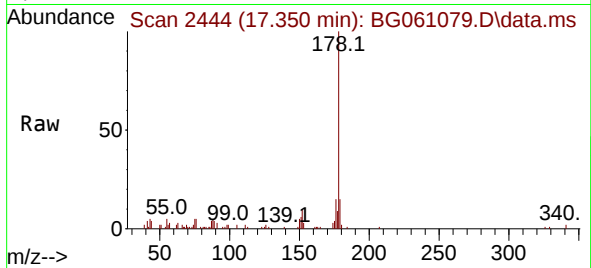




#71
Phenanthrene
Concen: 2.761 ng
RT: 17.350 min Scan# 2444
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

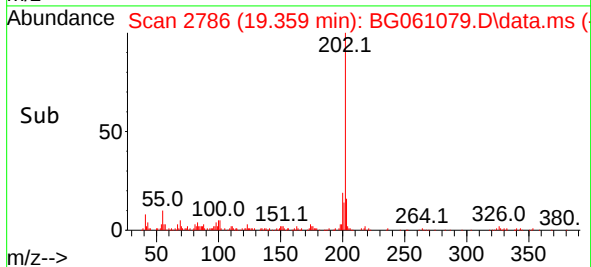
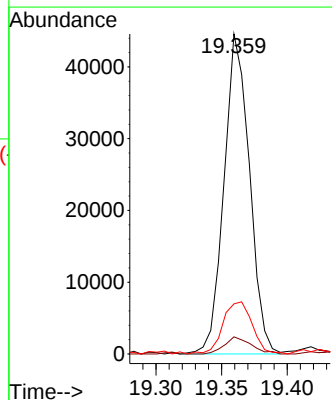
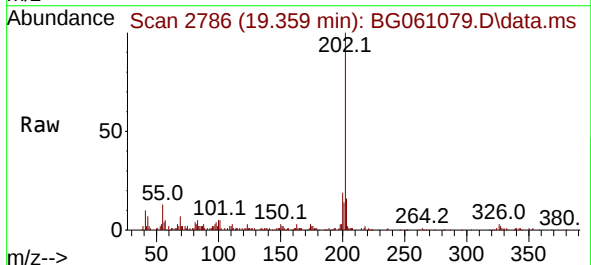
Instrument :
BNA_G
ClientSampleId :

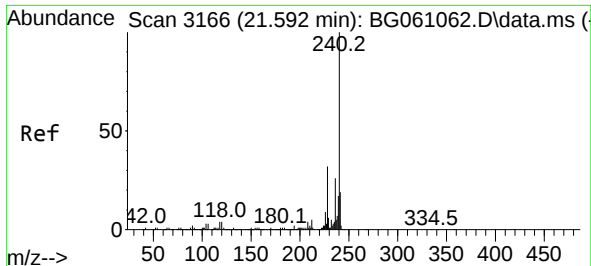
Tgt Ion:178 Resp: 23414
Ion Ratio Lower Upper
178 100
176 14.5 15.5 23.3#
179 14.7 12.6 19.0



#75
Fluoranthene
Concen: 5.183 ng
RT: 19.359 min Scan# 2786
Delta R.T. -0.024 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

Tgt Ion:202 Resp: 60222
Ion Ratio Lower Upper
202 100
101 5.4 0.0 24.7
203 15.7 0.0 37.1

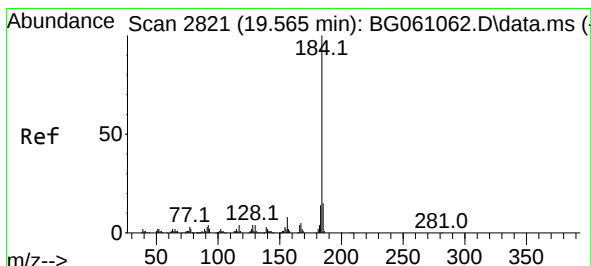
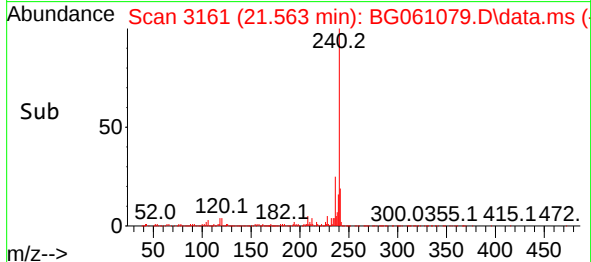
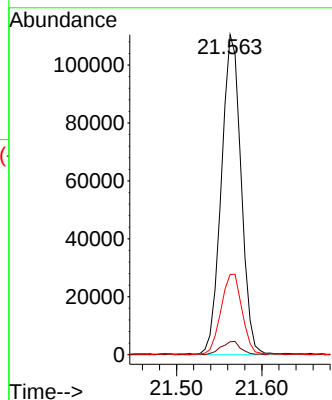
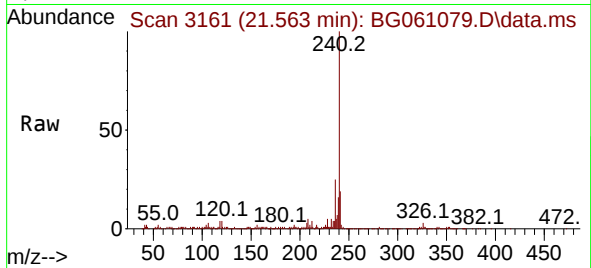




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.563 min Scan# 3166
Delta R.T. -0.030 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

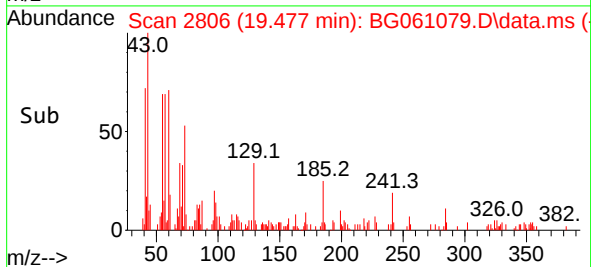
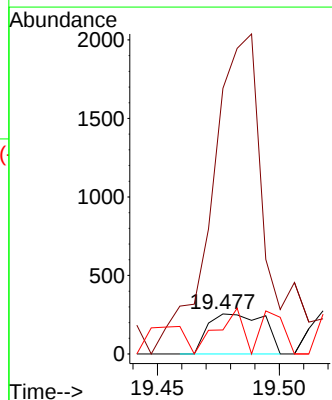
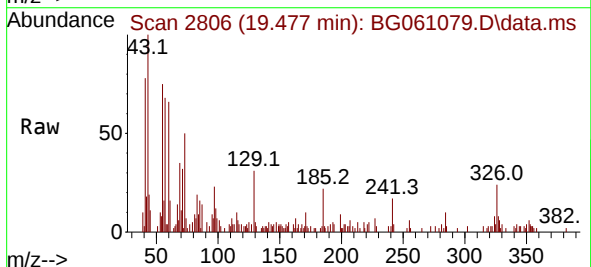
Instrument :
BNA_G
ClientSampleId :

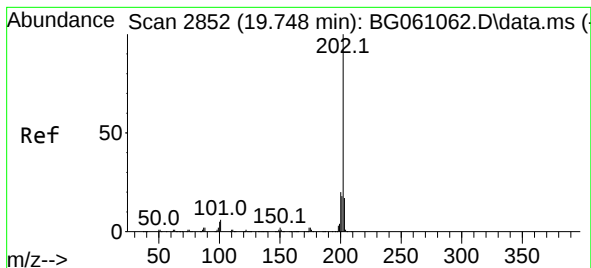
Tgt Ion:240 Resp: 177985
Ion Ratio Lower Upper
240 100
120 4.0 3.2 4.8
236 25.1 21.0 31.6



#77
Benzidine
Concen: 2.909 ng
RT: 19.477 min Scan# 2806
Delta R.T. -0.088 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

Tgt Ion:184 Resp: 408
Ion Ratio Lower Upper
184 100
185 663.5 12.0 18.0#
183 60.0 10.9 16.3#





#78

Pyrene

Concen: 5.183 ng

RT: 19.724 min Scan# 2848

Delta R.T. -0.024 min

Lab File: BG061079.D

Acq: 1 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :

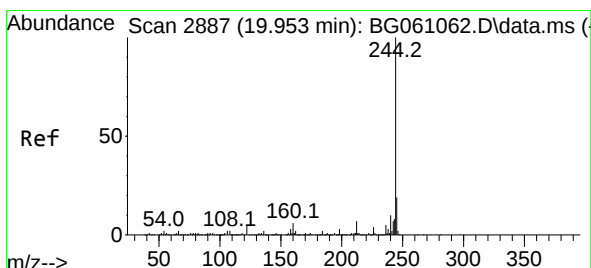
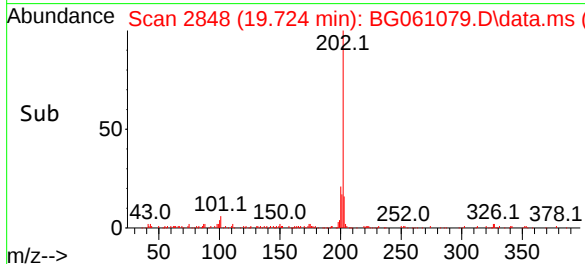
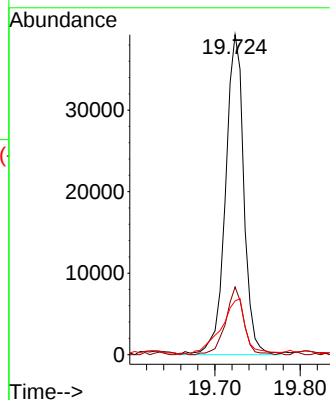
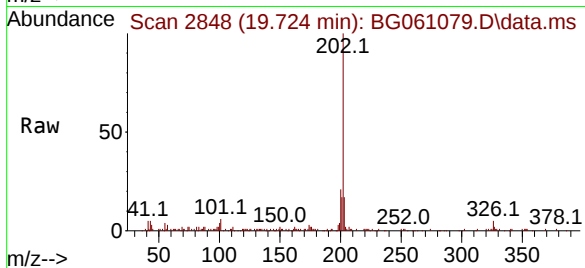
Tgt Ion:202 Resp: 58654

Ion Ratio Lower Upper

202 100

200 21.2 16.2 24.4

203 16.8 13.3 19.9



#79

Terphenyl-d14

Concen: 60.186 ng

RT: 19.929 min Scan# 2883

Delta R.T. -0.024 min

Lab File: BG061079.D

Acq: 1 May 2024 16:47

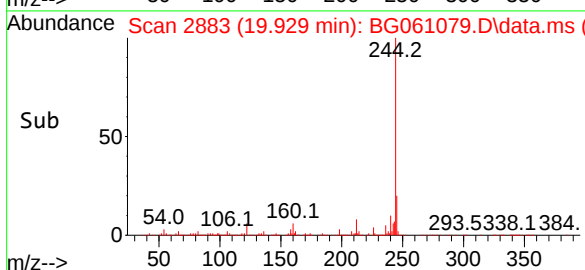
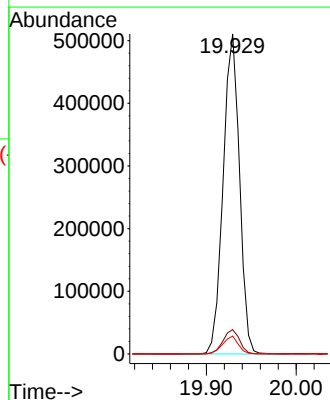
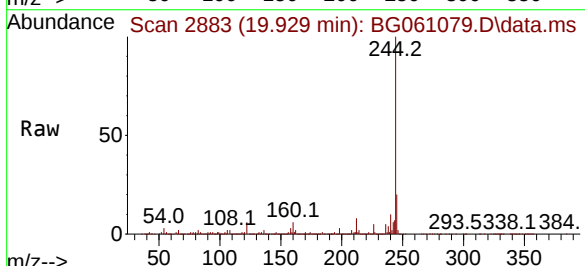
Tgt Ion:244 Resp: 644097

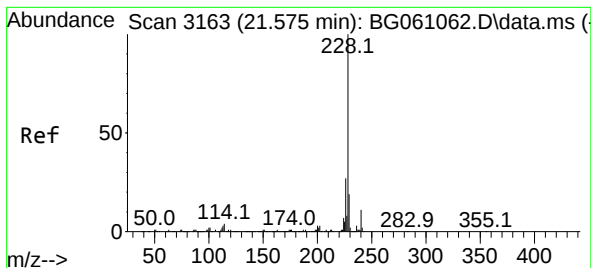
Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 5.6 4.2 6.2





#81

Benzo(a)anthracene

Concen: 3.066 ng

RT: 21.545 min Scan# 31

Delta R.T. -0.030 min

Lab File: BG061079.D

Acq: 1 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :

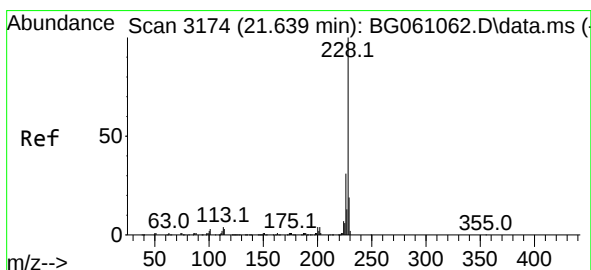
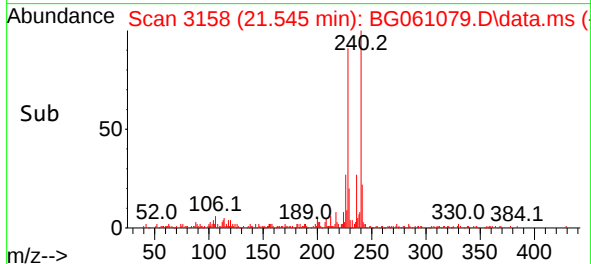
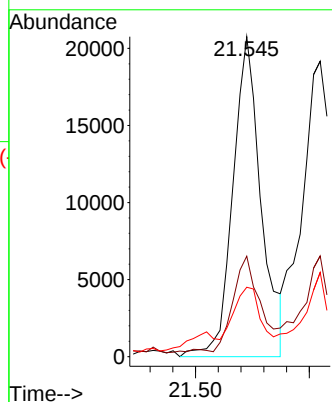
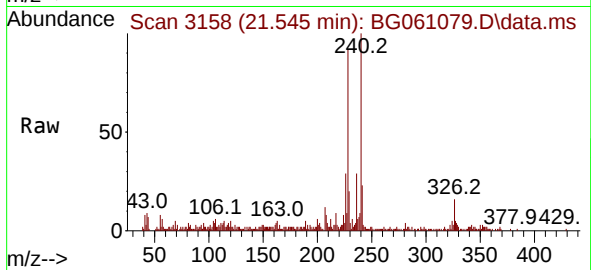
Tgt Ion:228 Resp: 35708

Ion Ratio Lower Upper

228 100

226 31.4 21.6 32.4

229 21.7 15.0 22.4



#83

Chrysene

Concen: 3.272 ng

RT: 21.545 min Scan# 3158

Delta R.T. -0.094 min

Lab File: BG061079.D

Acq: 1 May 2024 16:47

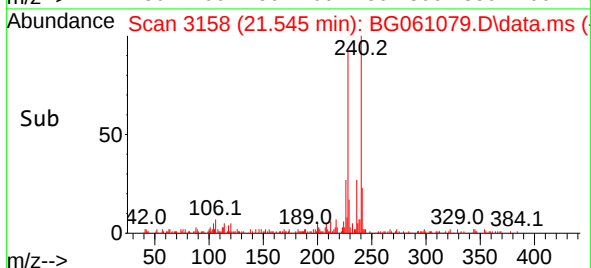
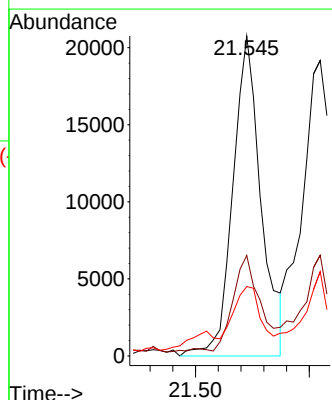
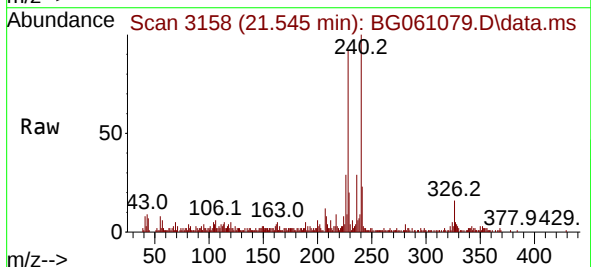
Tgt Ion:228 Resp: 35708

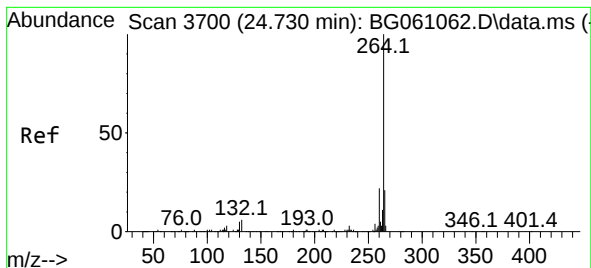
Ion Ratio Lower Upper

228 100

226 31.4 24.4 36.6

229 21.7 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.688 min Scan# 3

Delta R.T. -0.042 min

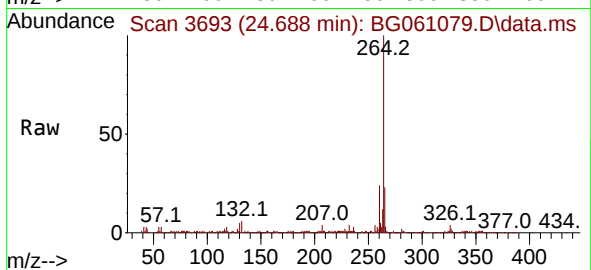
Lab File: BG061079.D

Acq: 1 May 2024 16:47

Instrument :

BNA_G

ClientSampleId :



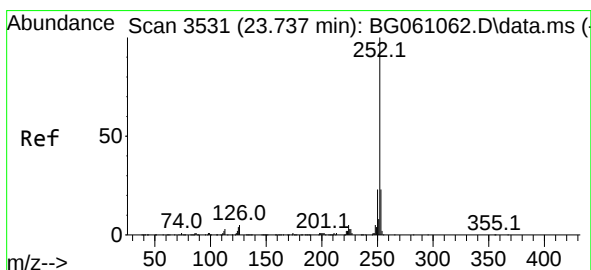
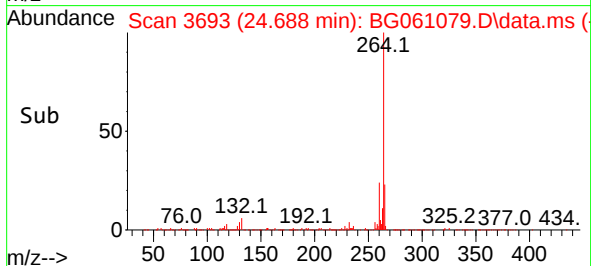
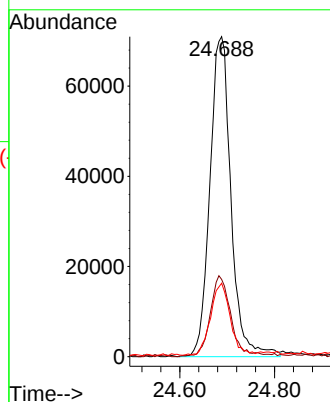
Tgt Ion:264 Resp: 219005

Ion Ratio Lower Upper

264 100

260 24.2 17.7 26.5

265 22.9 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 4.284 ng

RT: 23.695 min Scan# 3524

Delta R.T. -0.042 min

Lab File: BG061079.D

Acq: 1 May 2024 16:47

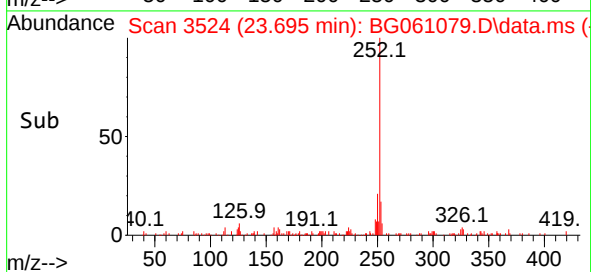
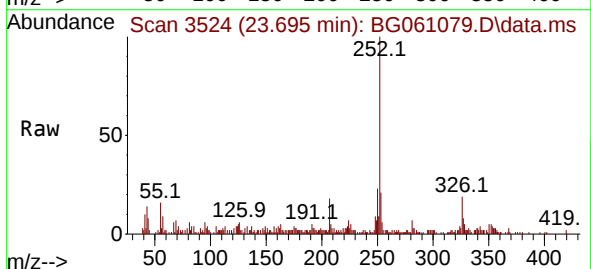
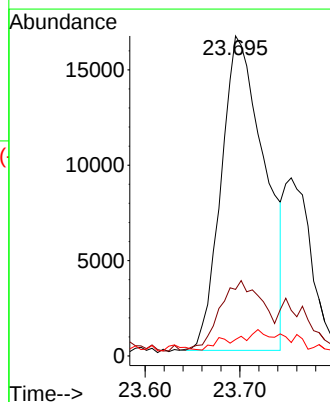
Tgt Ion:252 Resp: 52423

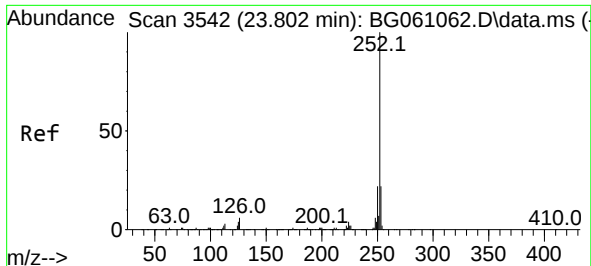
Ion Ratio Lower Upper

252 100

253 20.8 18.2 27.2

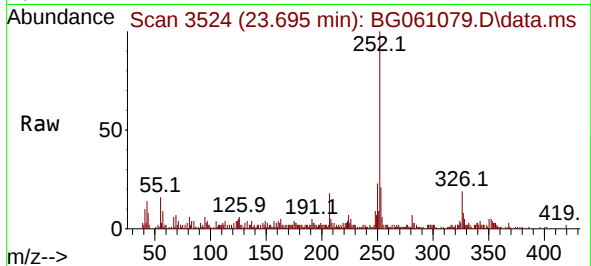
125 5.1 3.4 5.0#



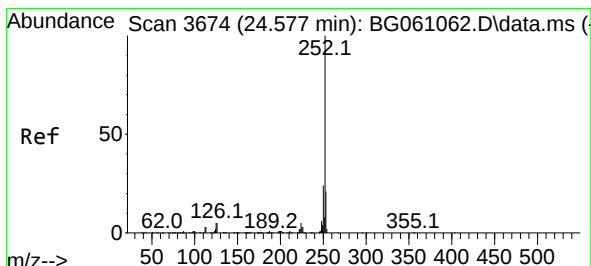
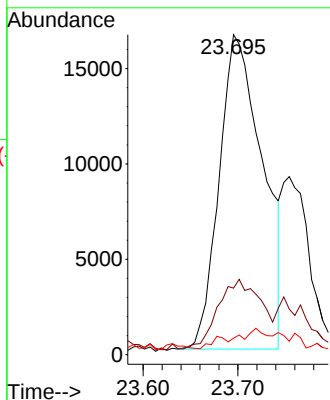
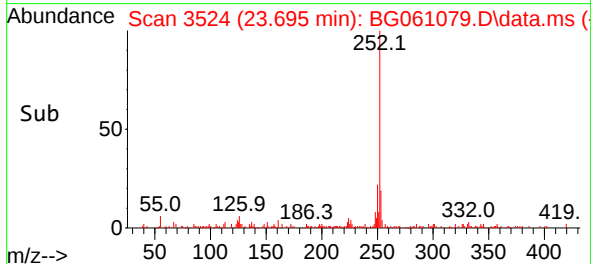


#89
Benzo(k)fluoranthene
Concen: 4.453 ng
RT: 23.695 min Scan# 31
Delta R.T. -0.106 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47

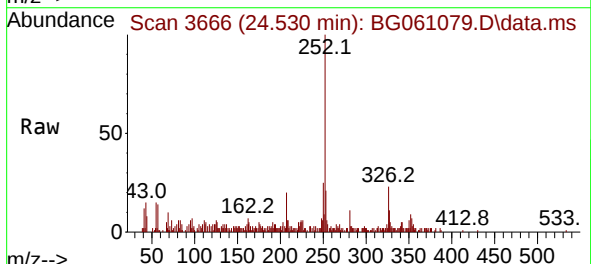
Instrument :
BNA_G
ClientSampleId :



Tgt Ion:252 Resp: 52423
Ion Ratio Lower Upper
252 100
253 20.8 17.3 25.9
125 5.1 3.2 4.8#



#90
Benzo(a)pyrene
Concen: 3.259 ng
RT: 24.530 min Scan# 3666
Delta R.T. -0.047 min
Lab File: BG061079.D
Acq: 1 May 2024 16:47



Tgt Ion:252 Resp: 34750
Ion Ratio Lower Upper
252 100
253 20.5 16.9 25.3
125 5.7 3.8 5.8

