

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057522.D
 Acq On : 23 May 2023 16:37
 Operator : CG/JU
 Sample : 02893-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONC-1

Quant Time: May 23 17:56:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

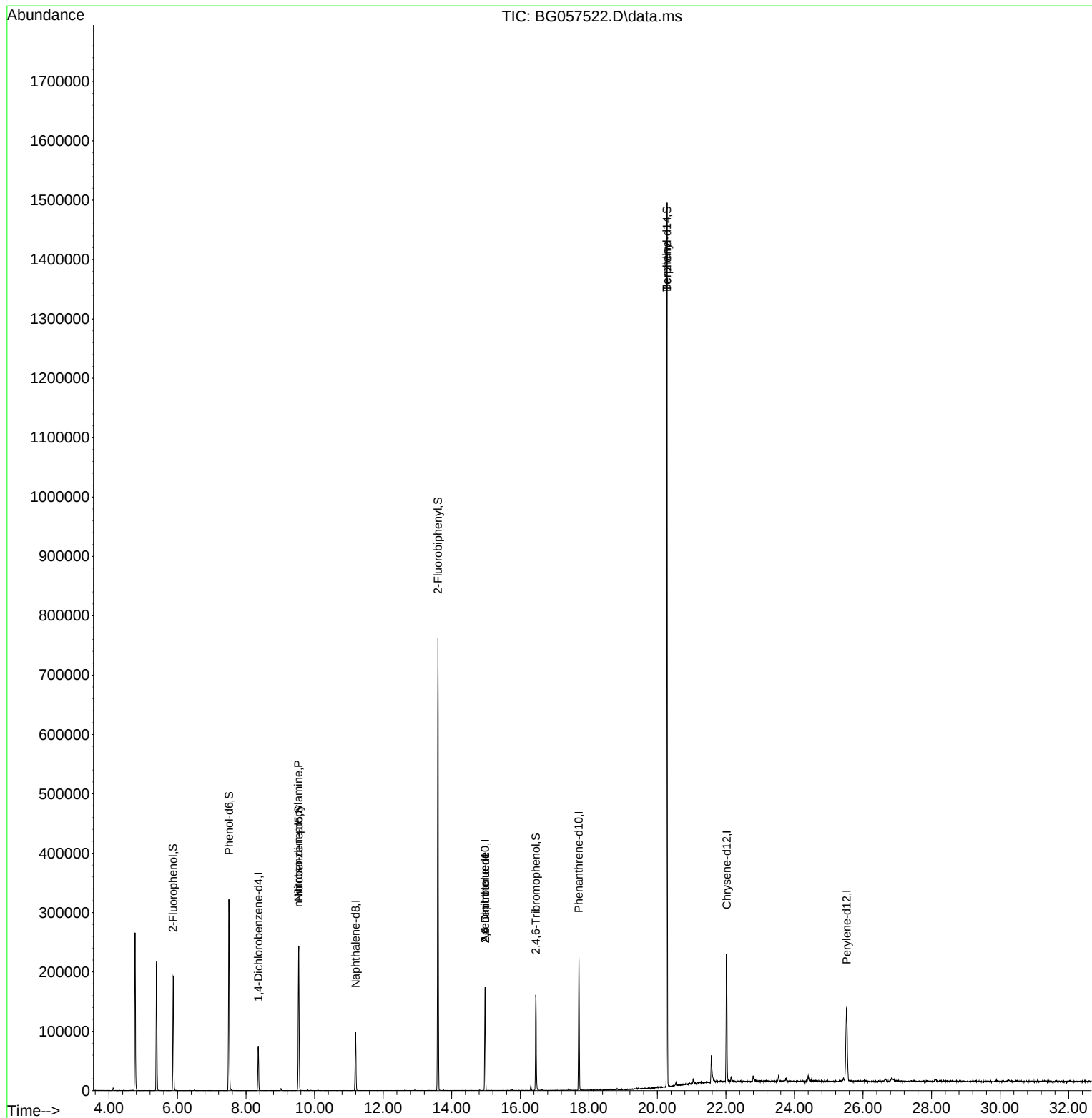
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.357	152	22161	20.000	ng	0.00
21) Naphthalene-d8	11.194	136	85654	20.000	ng	0.00
39) Acenaphthene-d10	14.971	164	61920	20.000	ng	0.00
64) Phenanthrene-d10	17.709	188	152494	20.000	ng	0.00
76) Chrysene-d12	22.021	240	145126	20.000	ng	0.00
86) Perylene-d12	25.522	264	154363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.872	112	90059	69.517	ng	0.00
7) Phenol-d6	7.499	99	199626	101.474	ng	0.00
23) Nitrobenzene-d5	9.538	82	157897	77.370	ng	0.00
42) 2,4,6-Tribromophenol	16.458	330	37826	43.054	ng	0.00
45) 2-Fluorobiphenyl	13.597	172	403840	87.838	ng	0.00
79) Terphenyl-d14	20.282	244	760016	85.463	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.499	77	219	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.532	70	22620	15.079	ng	# 76
51) 2,6-Dinitrotoluene	14.971	165	8037	7.736	ng	# 17
57) 2,4-Dinitrotoluene	14.971	165	8037	5.413	ng	# 20
77) Benzidine	20.282	184	11426	3.522	ng	# 79

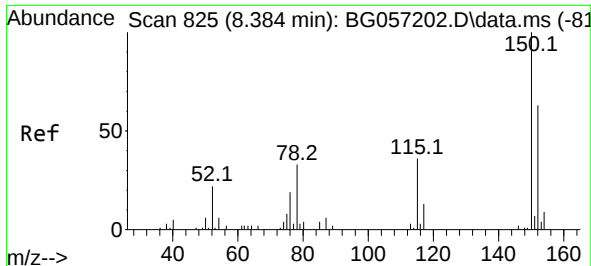
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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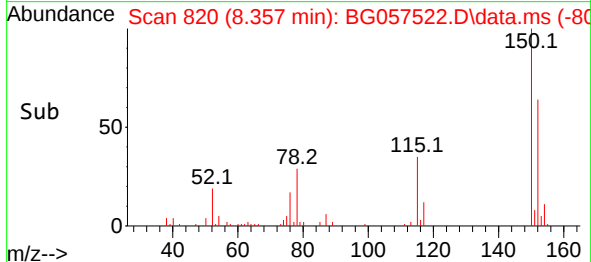
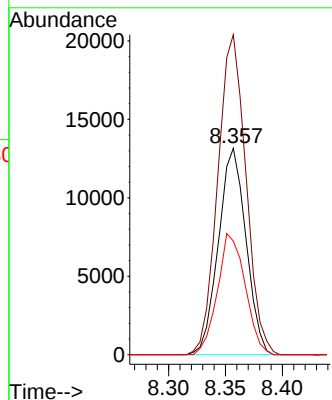
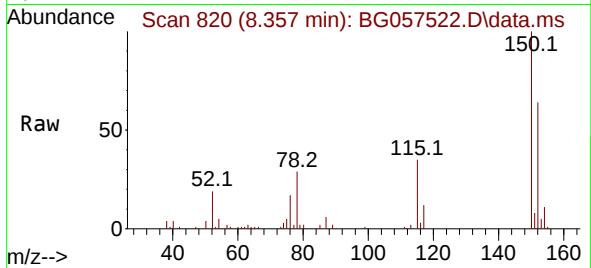




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.357 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

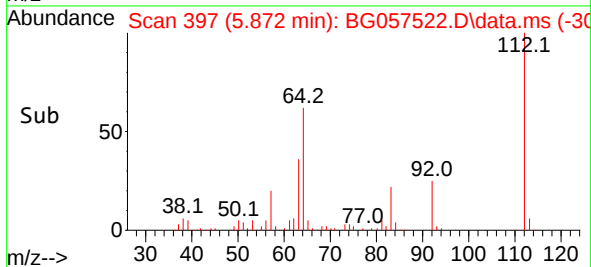
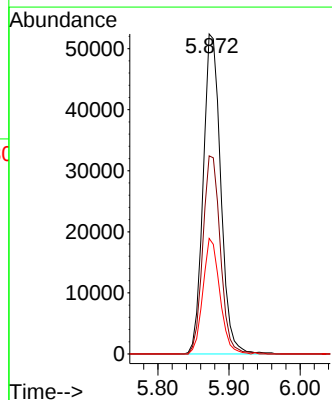
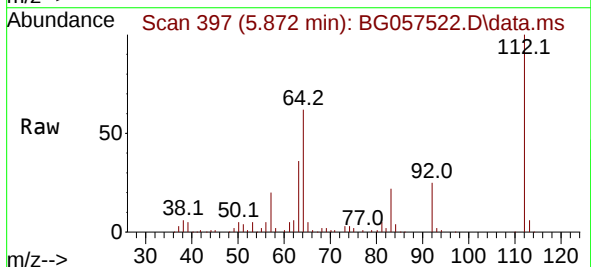
Instrument :
BNA_G
ClientSampleId :
CONC-1

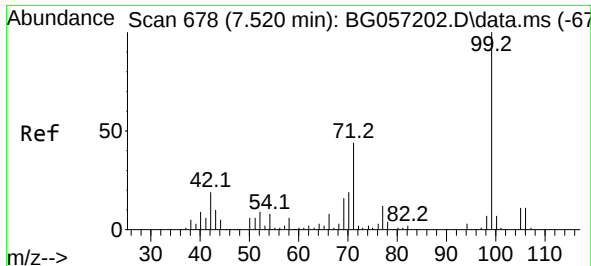
Tgt Ion:152 Resp: 22161
Ion Ratio Lower Upper
152 100
150 155.1 126.2 189.4
115 55.0 45.0 67.4



#5
2-Fluorophenol
Concen: 69.517 ng
RT: 5.872 min Scan# 397
Delta R.T. 0.001 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

Tgt Ion:112 Resp: 90059
Ion Ratio Lower Upper
112 100
64 61.9 49.4 74.2
63 36.1 31.6 47.4

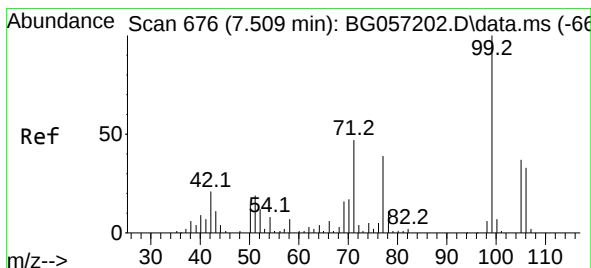
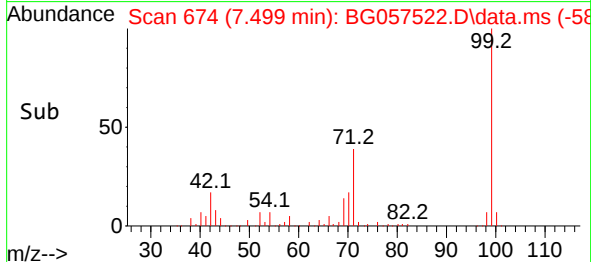
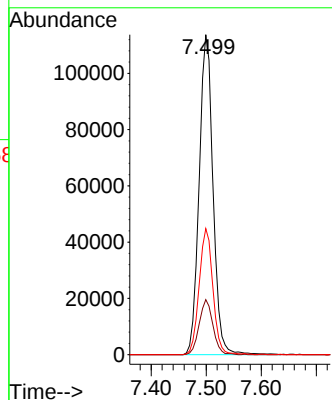
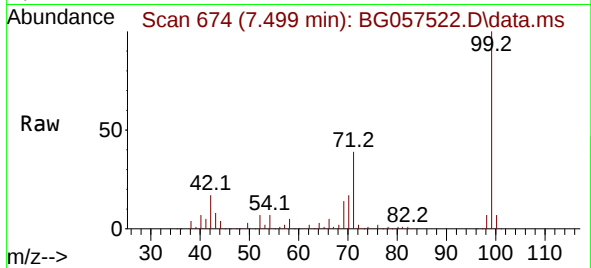




#7
Phenol-d6
Concen: 101.474 ng
RT: 7.499 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

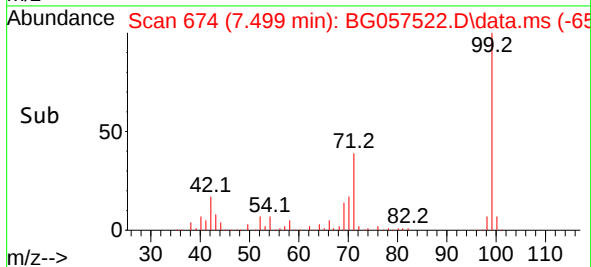
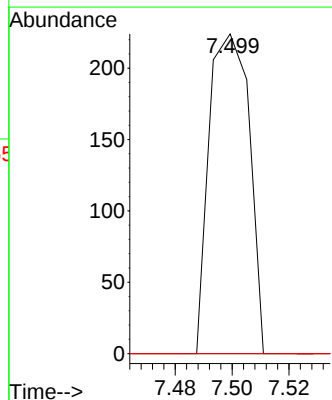
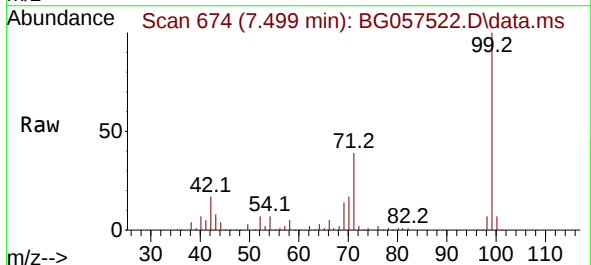
Instrument :
BNA_G
ClientSampleId :
CONC-1

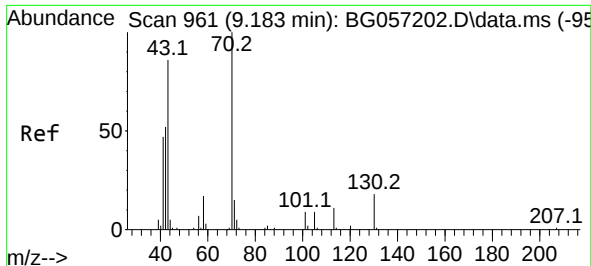
Tgt Ion: 99 Resp: 199626
Ion Ratio Lower Upper
99 100
42 17.2 15.1 22.7
71 39.4 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.499 min Scan# 674
Delta R.T. 0.013 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

Tgt Ion: 77 Resp: 219
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

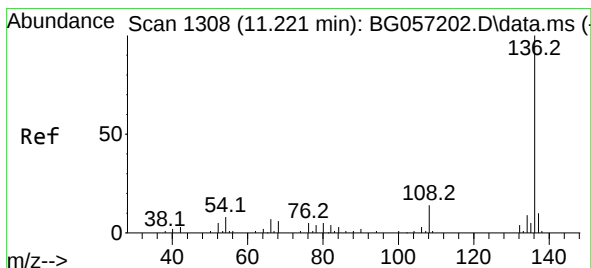
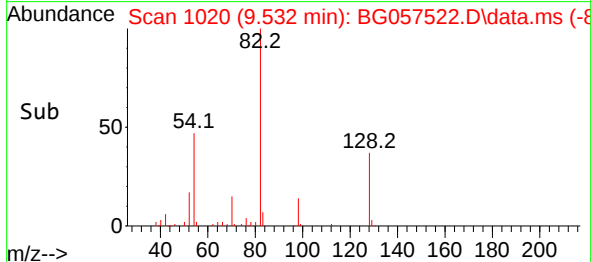
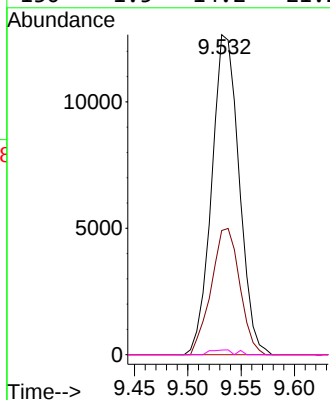
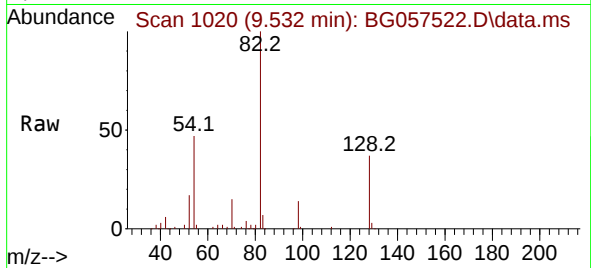




#19
n-Nitroso-di-n-propylamine
Concen: 15.079 ng
RT: 9.532 min Scan# 1020
Delta R.T. 0.371 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

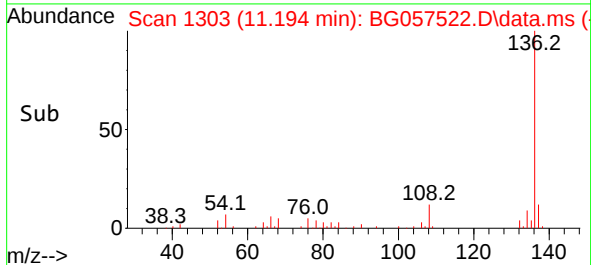
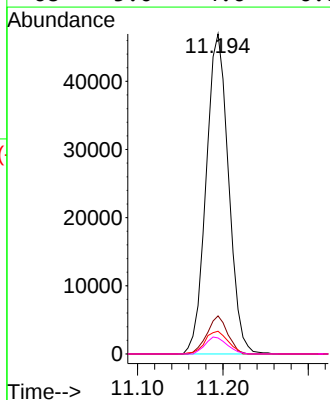
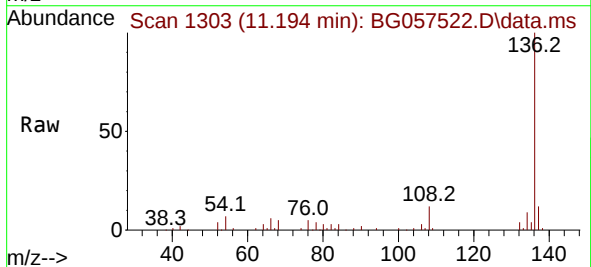
Instrument :
BNA_G
ClientSampleId :
CONC-1

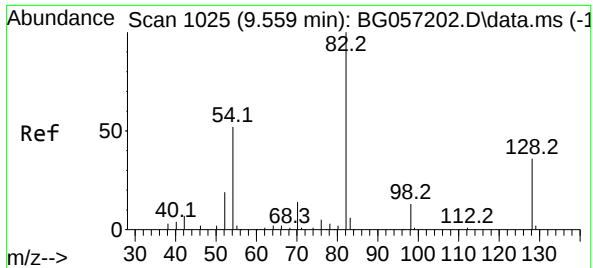
Tgt Ion: 70 Resp: 22620
Ion Ratio Lower Upper
70 100
42 38.8 41.8 62.8#
101 0.0 6.8 10.2#
130 1.5 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.194 min Scan# 1303
Delta R.T. -0.005 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

Tgt Ion:136 Resp: 85654
Ion Ratio Lower Upper
136 100
137 11.9 8.3 12.5
54 7.1 6.7 10.1
68 5.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 77.370 ng

RT: 9.538 min Scan# 1021

Delta R.T. 0.001 min

Lab File: BG057522.D

Acq: 23 May 2023 16:37

Instrument :

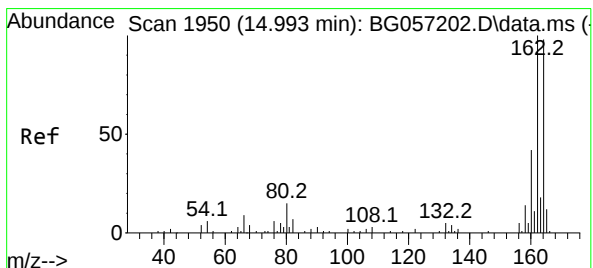
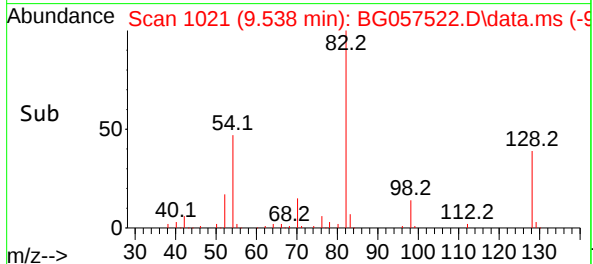
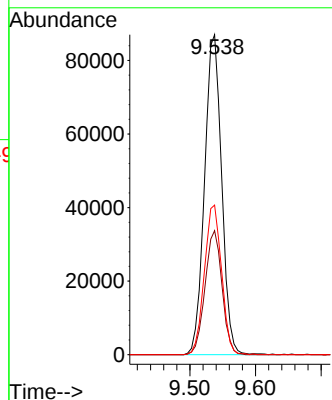
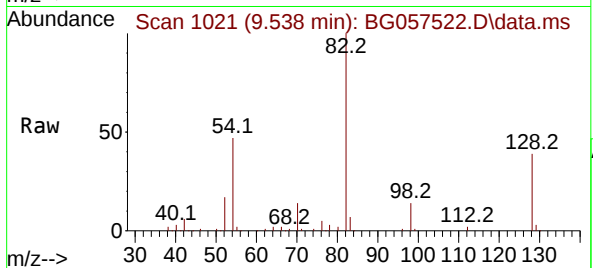
BNA_G

ClientSampleId :

CONC-1

Tgt Ion: 82 Resp: 157897

Ion	Ratio	Lower	Upper
82	100		
128	38.8	29.0	43.4
54	46.7	41.4	62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.971 min Scan# 1946

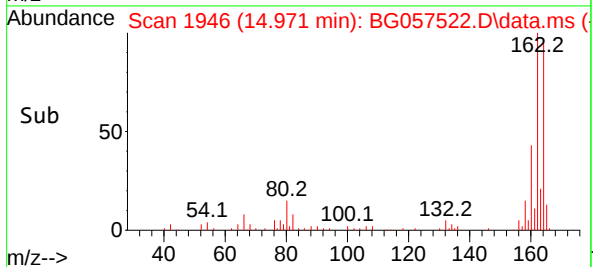
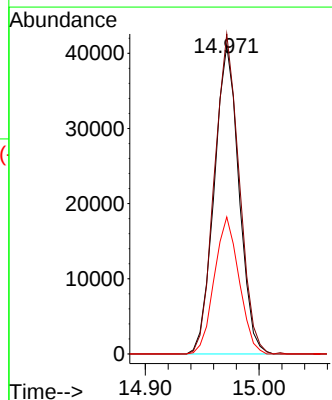
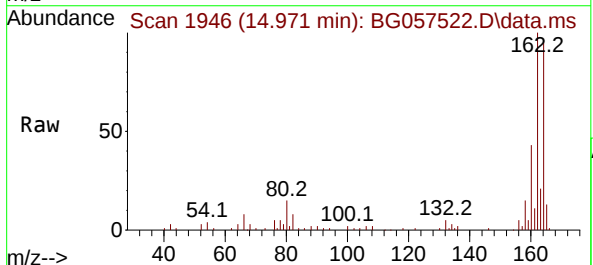
Delta R.T. -0.005 min

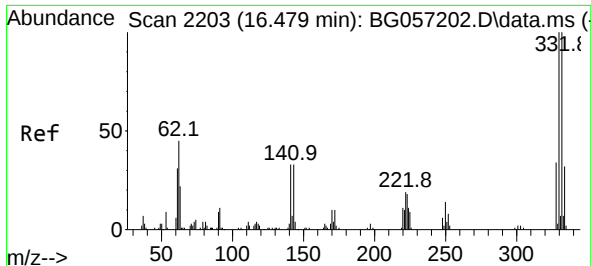
Lab File: BG057522.D

Acq: 23 May 2023 16:37

Tgt Ion:164 Resp: 61920

Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.8	122.6
160	44.4	34.6	52.0

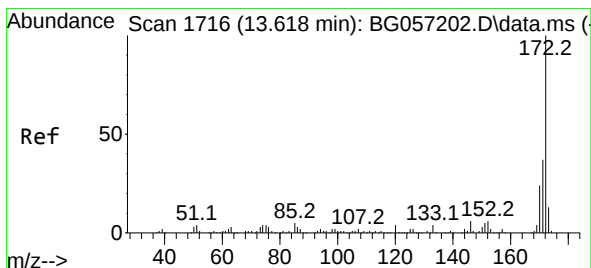
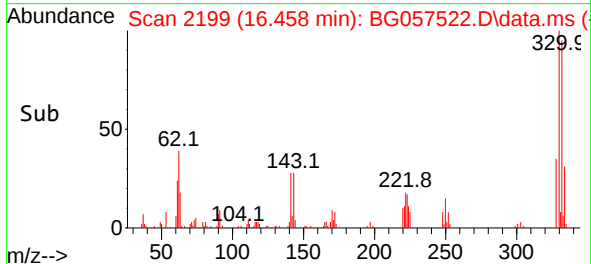
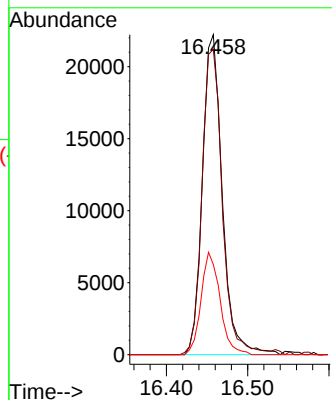
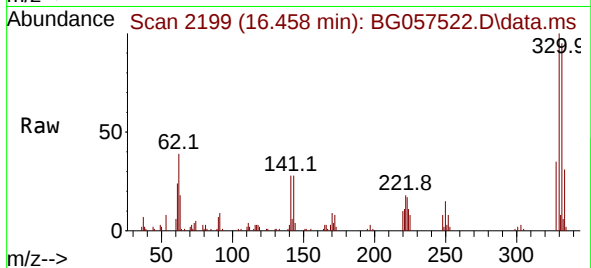




#42
2,4,6-Tribromophenol
Concen: 43.054 ng
RT: 16.458 min Scan# 21199
Delta R.T. 0.001 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

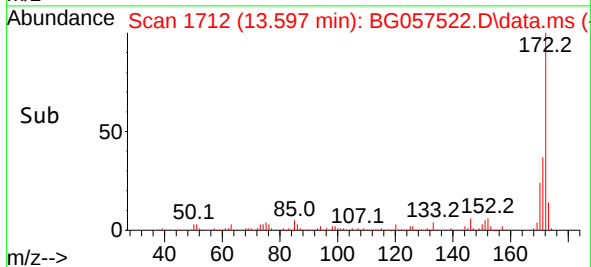
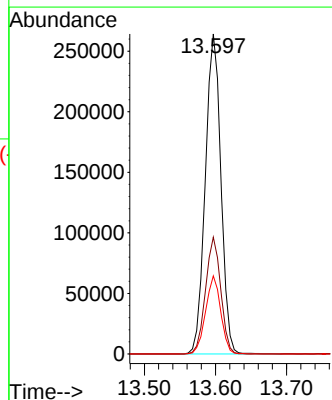
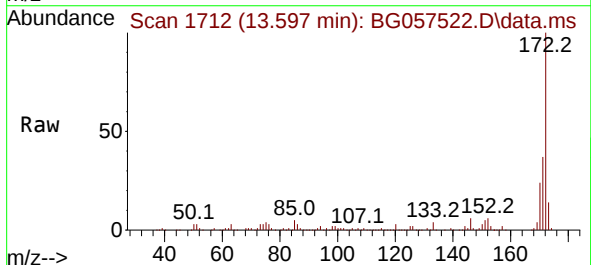
Instrument :
BNA_G
ClientSampleId :
CONC-1

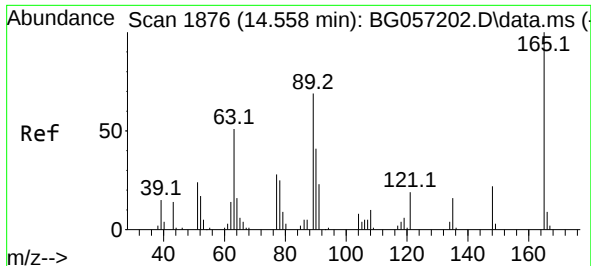
Tgt Ion:330 Resp: 37826
Ion Ratio Lower Upper
330 100
332 97.1 78.2 117.2
141 30.6 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 87.838 ng
RT: 13.597 min Scan# 1712
Delta R.T. -0.005 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

Tgt Ion:172 Resp: 403840
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 24.4 19.0 28.6

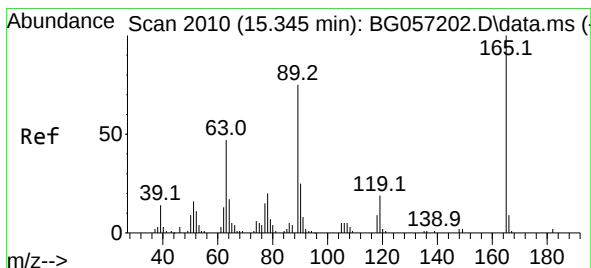
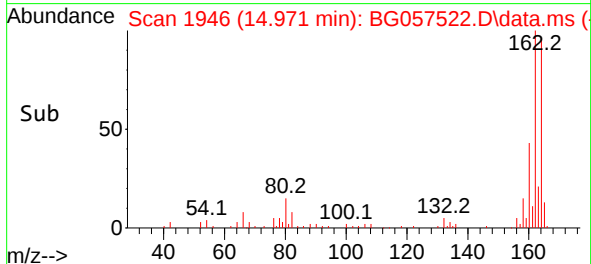
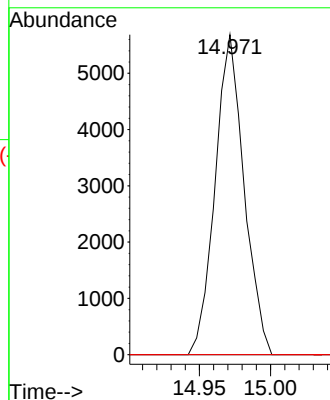
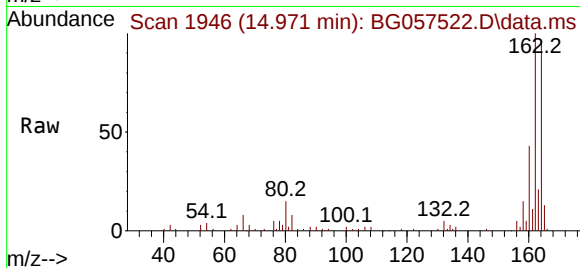




#51
2,6-Dinitrotoluene
Concen: 7.736 ng
RT: 14.971 min Scan# 1946
Delta R.T. 0.430 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

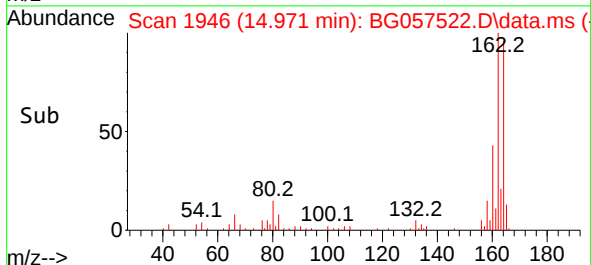
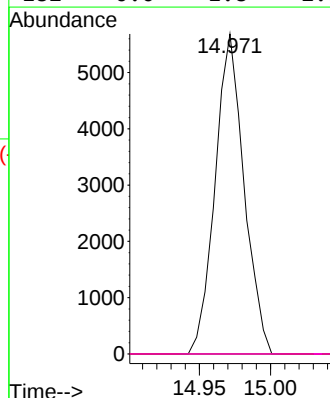
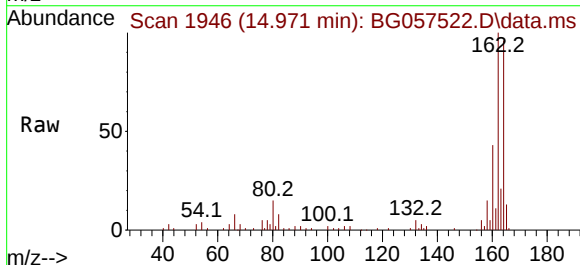
Instrument :
BNA_G
ClientSampleId :
CONC-1

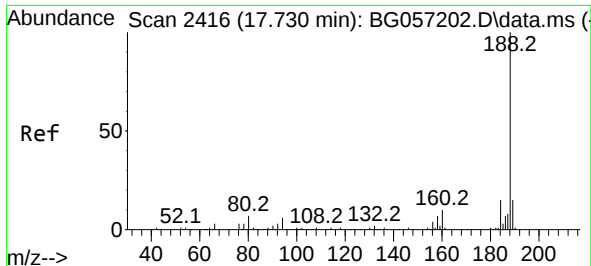
Tgt Ion:165 Resp: 8037
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.413 ng
RT: 14.971 min Scan# 1946
Delta R.T. -0.357 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

Tgt Ion:165 Resp: 8037
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 0.0 60.2 90.4#
182 0.0 1.8 2.8#

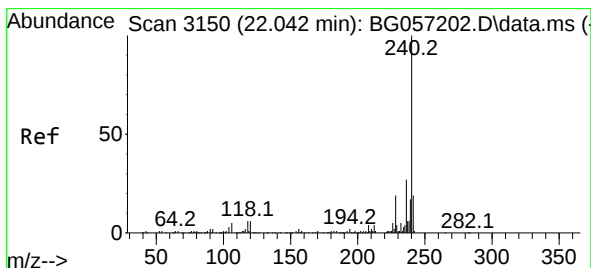
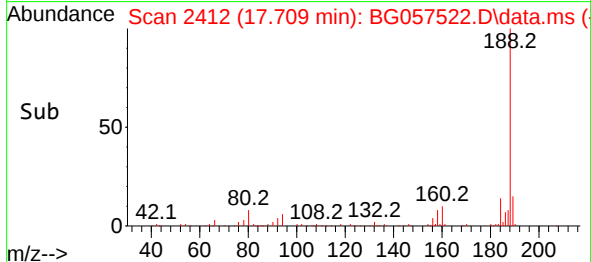
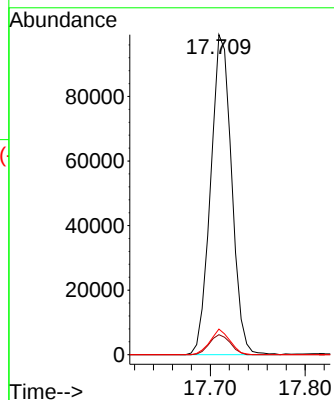
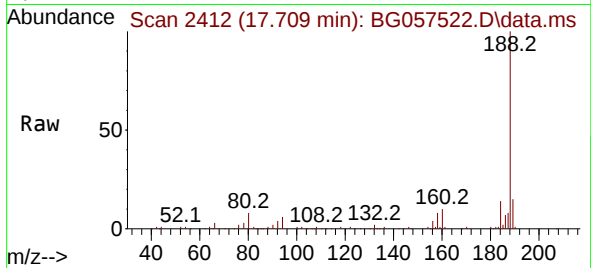




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.709 min Scan# 2416
Delta R.T. -0.005 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

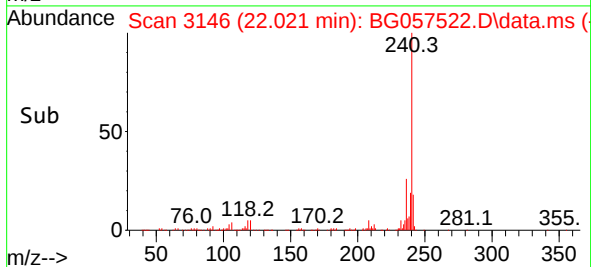
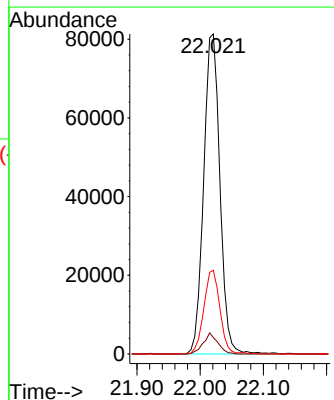
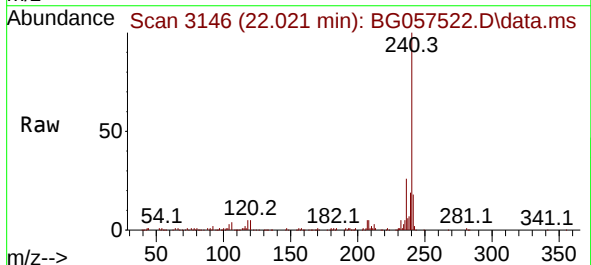
Instrument :
BNA_G
ClientSampleId :
CONC-1

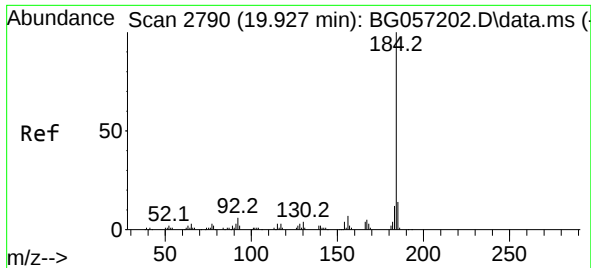
Tgt Ion:188 Resp: 152494
Ion Ratio Lower Upper
188 100
94 6.2 5.1 7.7
80 8.0 5.7 8.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.021 min Scan# 3146
Delta R.T. 0.001 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

Tgt Ion:240 Resp: 145126
Ion Ratio Lower Upper
240 100
120 5.2 4.9 7.3
236 26.2 21.4 32.2

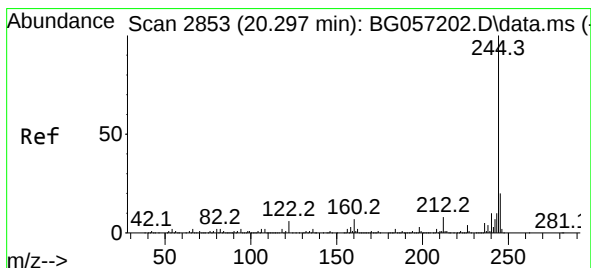
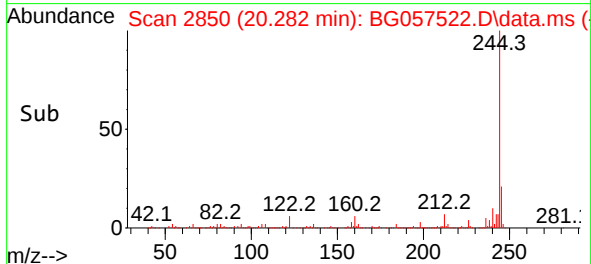
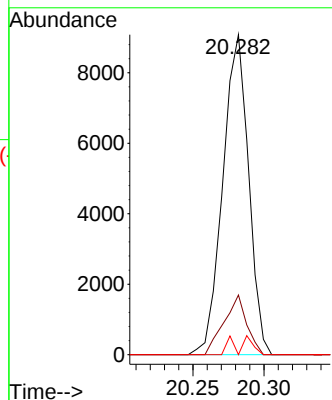
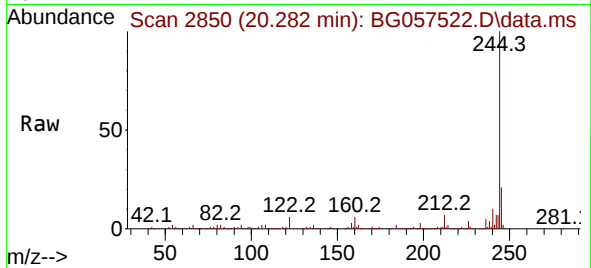




#77
Benzidine
Concen: 3.522 ng
RT: 20.282 min Scan# 2850
Delta R.T. 0.371 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

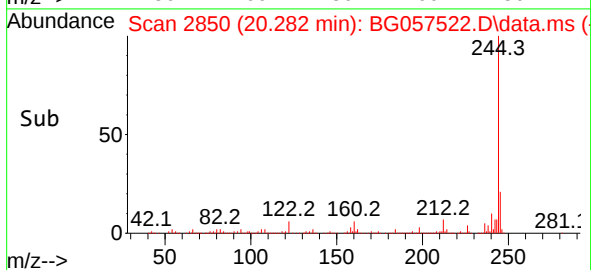
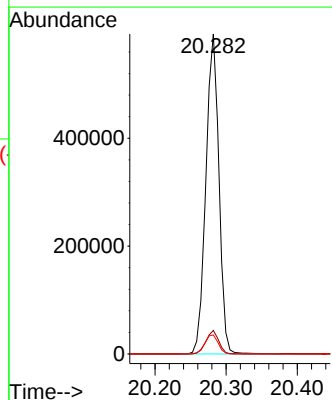
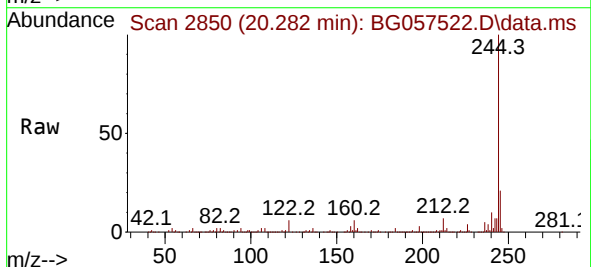
Instrument :
BNA_G
ClientSampleId :
CONC-1

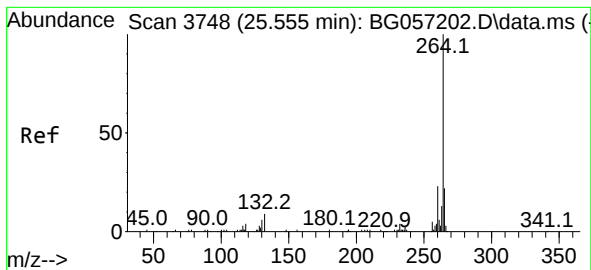
Tgt Ion:184 Resp: 11426
Ion Ratio Lower Upper
184 100
185 18.6 11.1 16.7#
183 0.0 9.9 14.9#



#79
Terphenyl-d14
Concen: 85.463 ng
RT: 20.282 min Scan# 2850
Delta R.T. 0.001 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

Tgt Ion:244 Resp: 760016
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 6.0 5.1 7.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.522 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG057522.D
Acq: 23 May 2023 16:37

Instrument :
BNA_G
ClientSampleId :
CONC-1

Tgt Ion:264 Resp: 154363

Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.8	28.2
265	20.8	17.9	26.9

