

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011123\
 Data File : BG056252.D
 Acq On : 11 Jan 2023 15:59
 Operator : CG/JU
 Sample : 01064-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S4-03

Quant Time: Jan 12 04:20:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 03:38:40 2023
 Response via : Initial Calibration

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

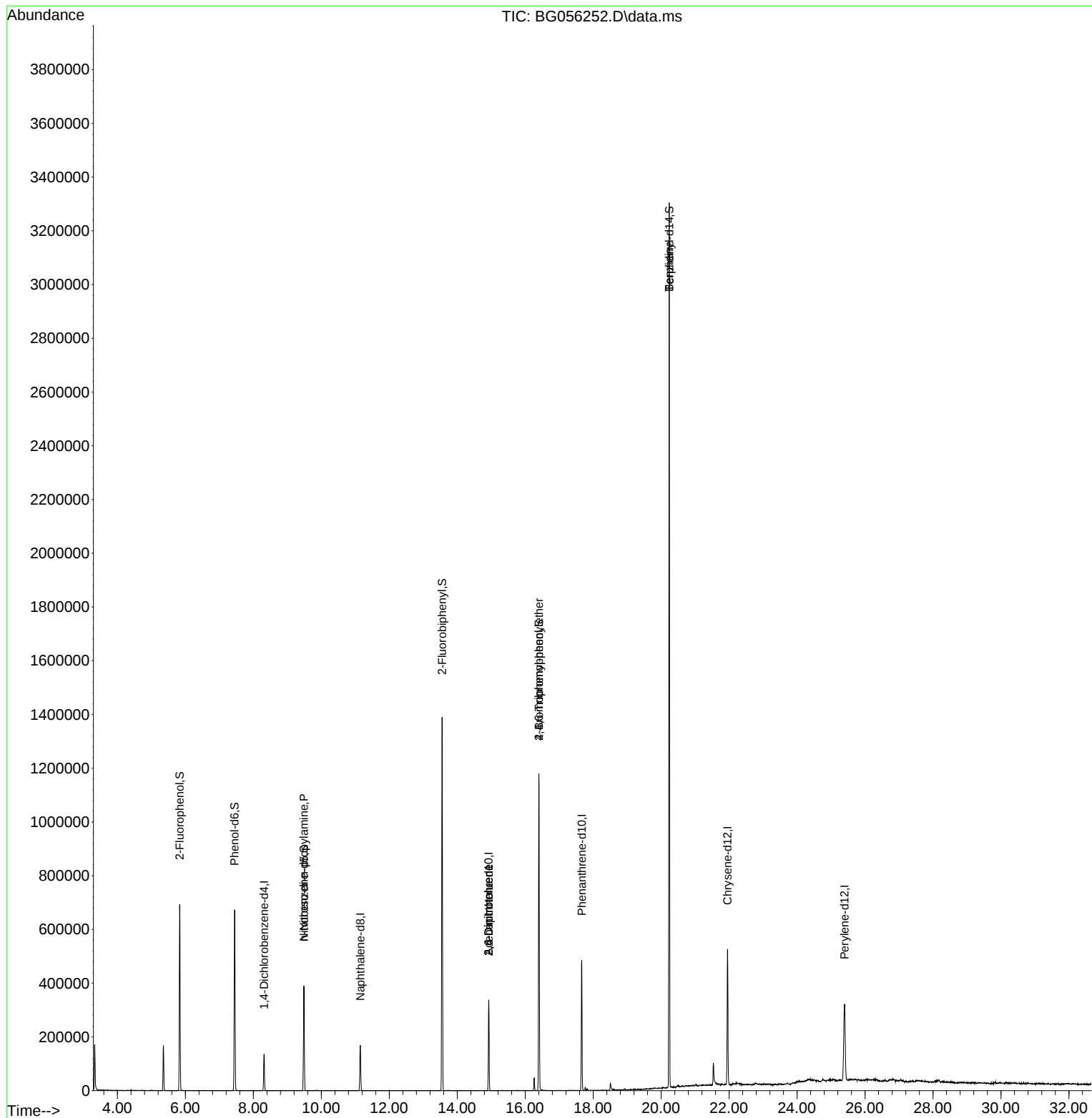
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.317	152	43389	20.000	ng	0.00
21) Naphthalene-d8	11.149	136	158901	20.000	ng	# 0.00
39) Acenaphthene-d10	14.927	164	129400	20.000	ng	0.00
64) Phenanthrene-d10	17.665	188	343562	20.000	ng	0.00
76) Chrysene-d12	21.954	240	342222	20.000	ng	# 0.00
86) Perylene-d12	25.397	264	370144	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	381927	157.166	ng	0.00
7) Phenol-d6	7.448	99	535138	143.395	ng	0.00
23) Nitrobenzene-d5	9.486	82	283903	91.391	ng	0.00
42) 2,4,6-Tribromophenol	16.408	330	247095	150.775	ng	0.00
45) 2-Fluorobiphenyl	13.558	172	820227	87.531	ng	0.00
79) Terphenyl-d14	20.238	244	1773935	92.841	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.486	70	35743	15.750	ng	# 75
51) 2,6-Dinitrotoluene	14.927	165	16648	7.479	ng	# 34
57) 2,4-Dinitrotoluene	14.927	165	16648	5.348	ng	# 30
67) 4-Bromophenyl-phenylether	16.408	248	20979	4.795	ng	# 1
77) Benzidine	20.238	184	24616	2.053	ng	# 94

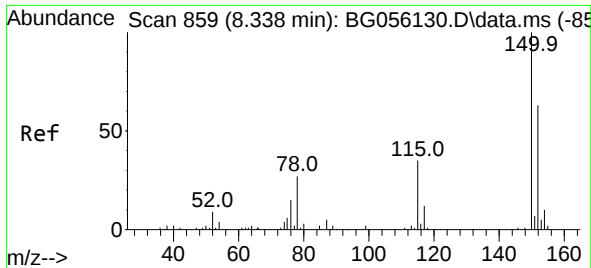
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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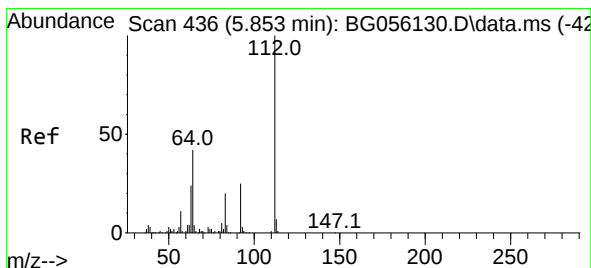
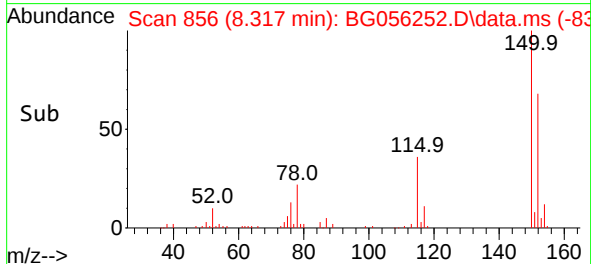
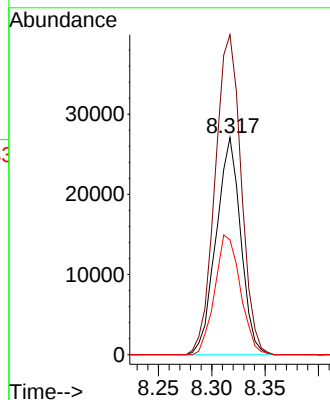
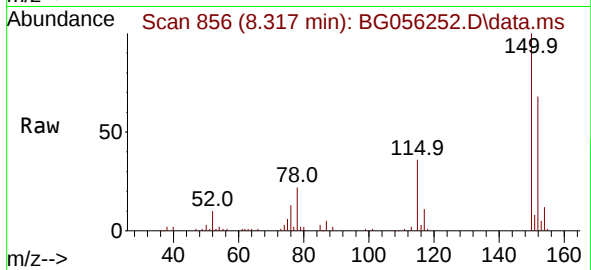




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.317 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

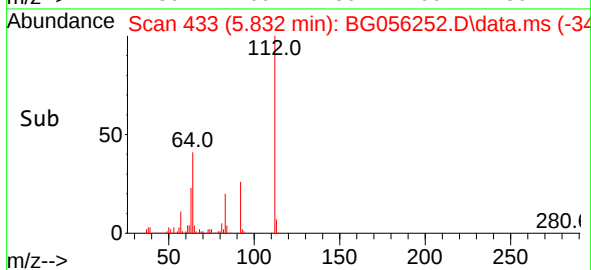
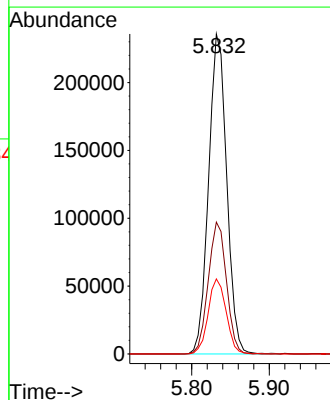
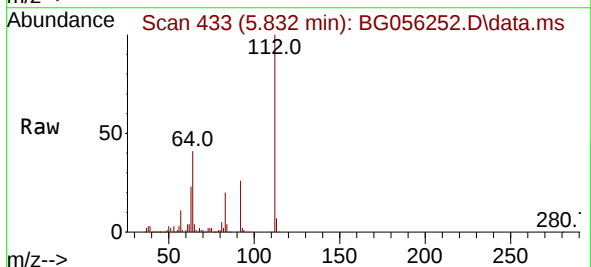
Instrument :
BNA_G
ClientSampleId :
S4-03

Tgt Ion:152 Resp: 43389
Ion Ratio Lower Upper
152 100
150 147.4 127.9 191.9
115 52.9 44.2 66.2



#5
2-Fluorophenol
Concen: 157.166 ng
RT: 5.832 min Scan# 433
Delta R.T. 0.006 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

Tgt Ion:112 Resp: 381927
Ion Ratio Lower Upper
112 100
64 41.2 33.3 49.9
63 23.5 19.0 28.4

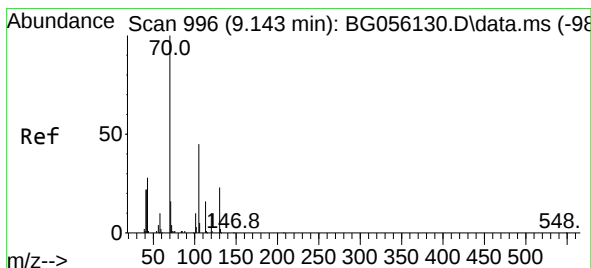
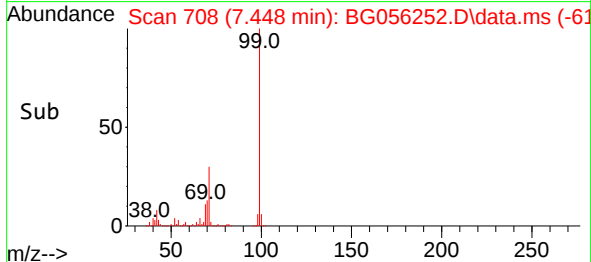
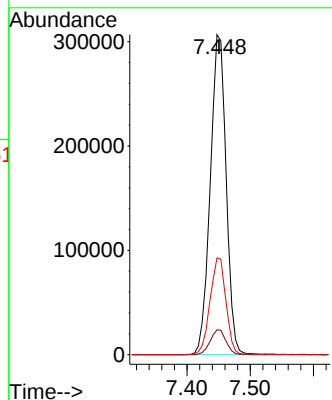
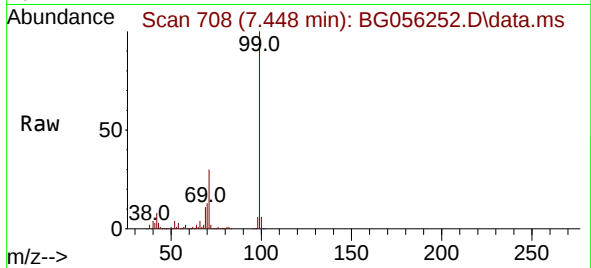




#7
Phenol-d6
Concen: 143.395 ng
RT: 7.448 min Scan# 711
Delta R.T. 0.000 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

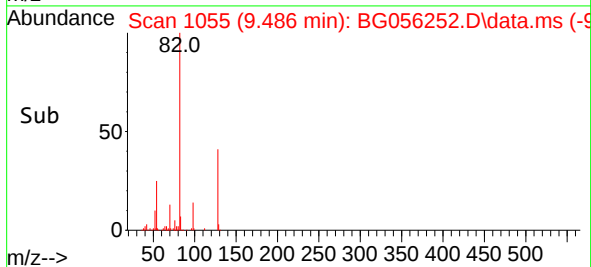
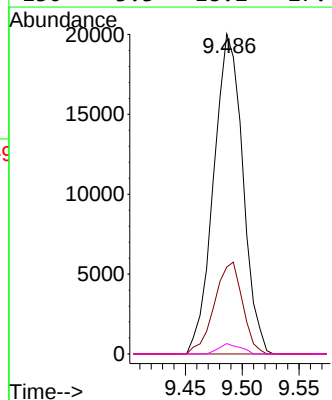
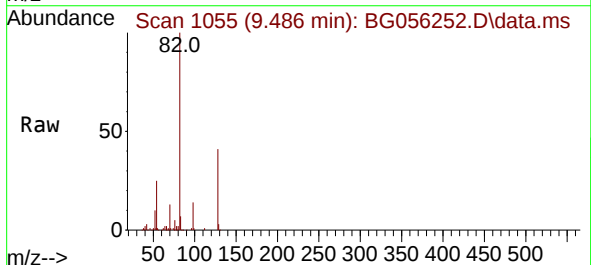
Instrument :
BNA_G
ClientSampleId :
S4-03

Tgt Ion: 99 Resp: 535138
Ion Ratio Lower Upper
99 100
42 7.8 5.9 8.9
71 30.2 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.750 ng
RT: 9.486 min Scan# 1055
Delta R.T. 0.371 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

Tgt Ion: 70 Resp: 35743
Ion Ratio Lower Upper
70 100
42 27.2 18.2 27.2
101 0.0 8.3 12.5#
130 3.3 18.2 27.4#

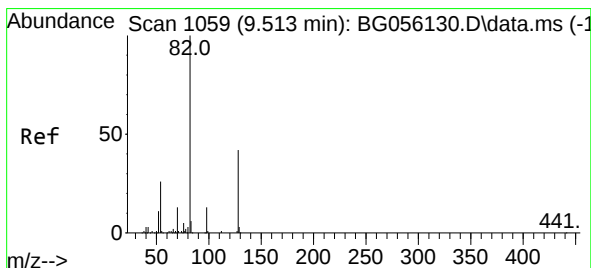
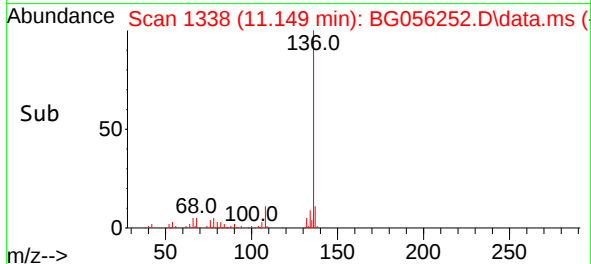
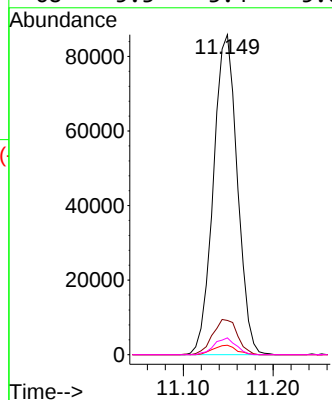
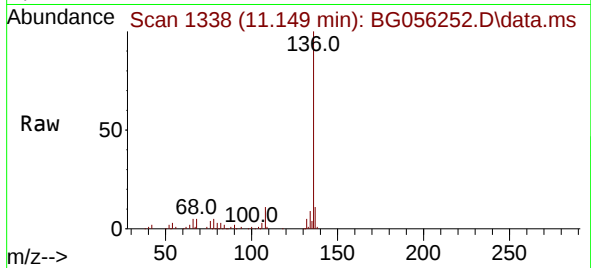




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.149 min Scan# 111
Delta R.T. 0.000 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

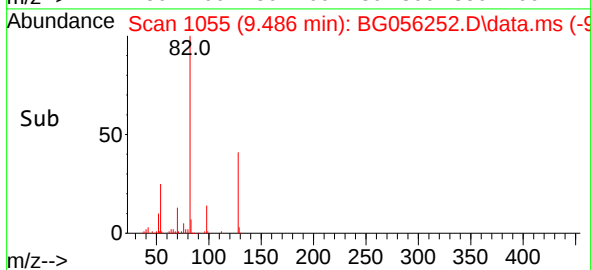
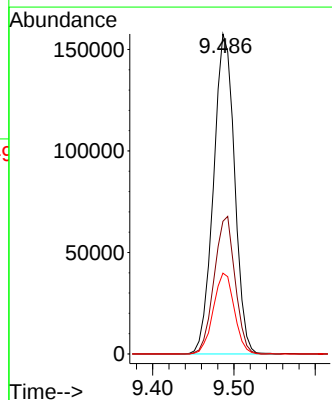
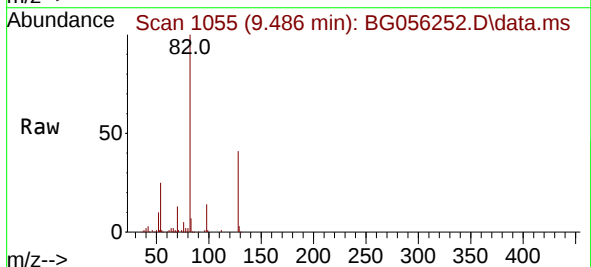
Instrument :
BNA_G
ClientSampleId :
S4-03

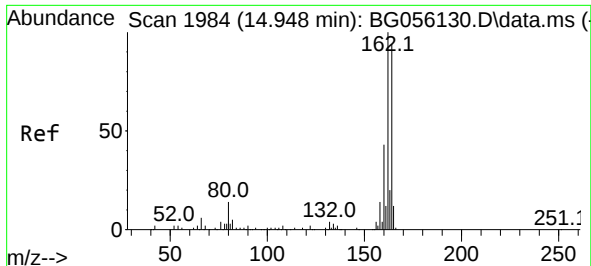
Tgt Ion:136 Resp: 158901
Ion Ratio Lower Upper
136 100
137 10.7 9.4 14.0
54 2.9 2.2 3.2
68 5.3 3.4 5.0#



#23
Nitrobenzene-d5
Concen: 91.391 ng
RT: 9.486 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

Tgt Ion: 82 Resp: 283903
Ion Ratio Lower Upper
82 100
128 41.4 33.4 50.2
54 25.2 20.3 30.5

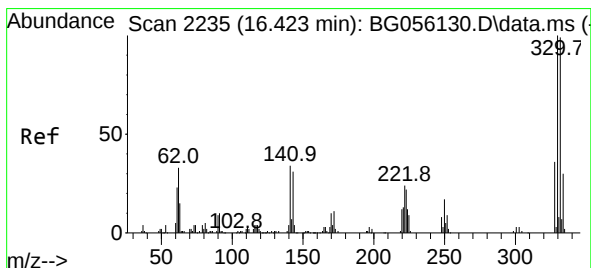
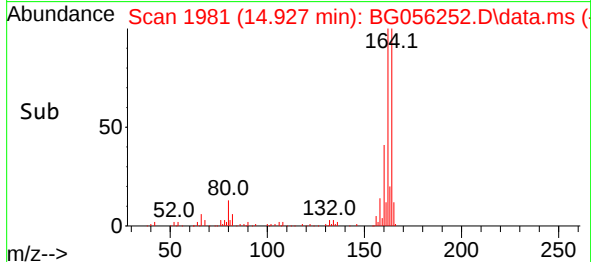
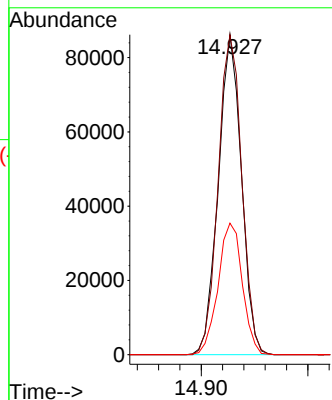
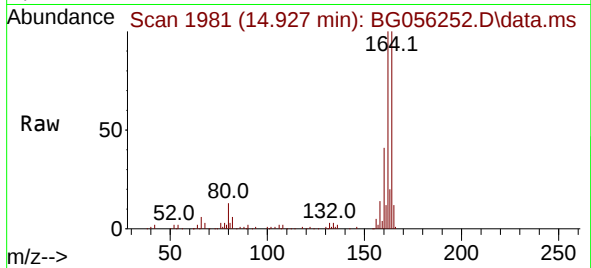




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.927 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

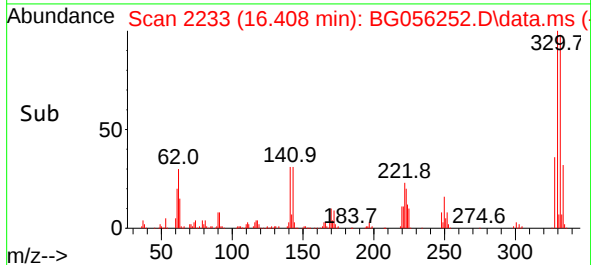
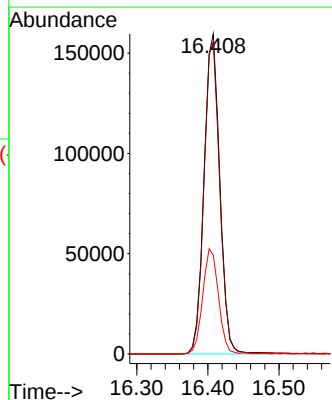
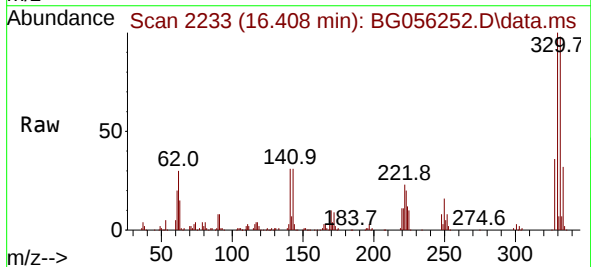
Instrument :
BNA_G
ClientSampleId :
S4-03

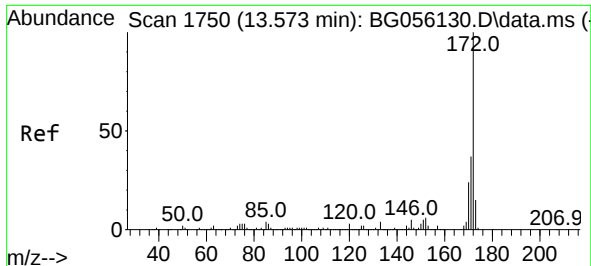
Tgt Ion:164 Resp: 129400
Ion Ratio Lower Upper
164 100
162 99.9 84.7 127.1
160 41.1 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 150.775 ng
RT: 16.408 min Scan# 2233
Delta R.T. 0.000 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

Tgt Ion:330 Resp: 247095
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 33.0 27.9 41.9

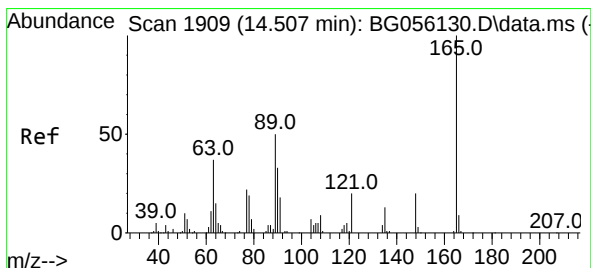
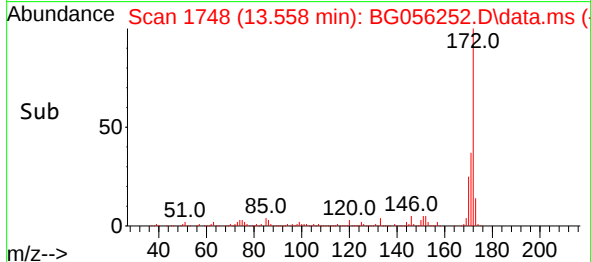
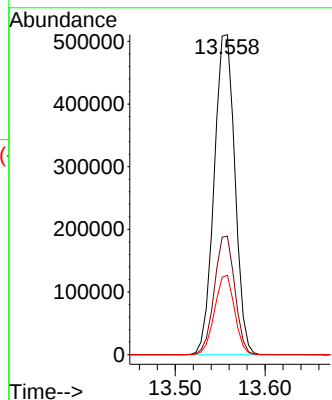
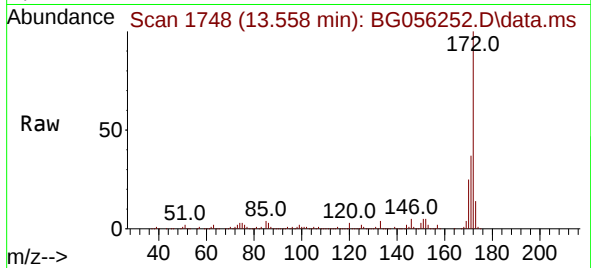




#45
2-Fluorobiphenyl
Concen: 87.531 ng
RT: 13.558 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

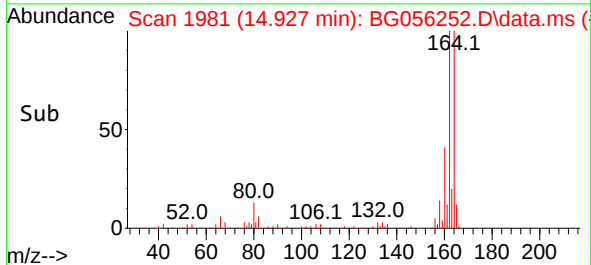
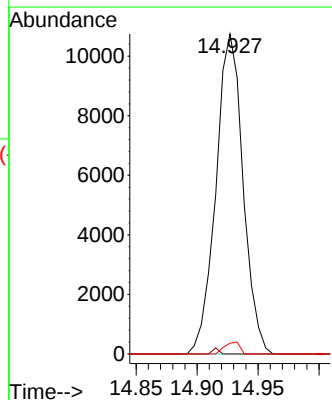
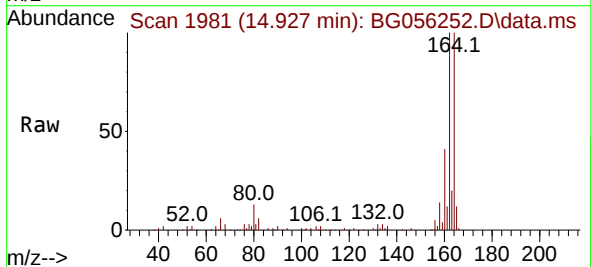
Instrument :
BNA_G
ClientSampleId :
S4-03

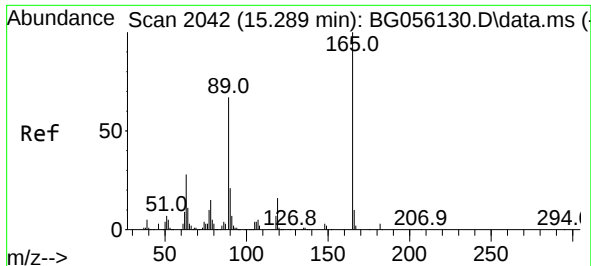
Tgt Ion:172 Resp: 820227
Ion Ratio Lower Upper
172 100
171 37.1 29.6 44.4
170 24.9 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.479 ng
RT: 14.927 min Scan# 1981
Delta R.T. 0.435 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

Tgt Ion:165 Resp: 16648
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 3.3 39.8 59.8#





#57

2,4-Dinitrotoluene

Concen: 5.348 ng

RT: 14.927 min Scan# 1981

Delta R.T. -0.346 min

Lab File: BG056252.D

Acq: 11 Jan 2023 15:59

Instrument :

BNA_G

ClientSampleId :

S4-03

Tgt Ion:165 Resp: 16648

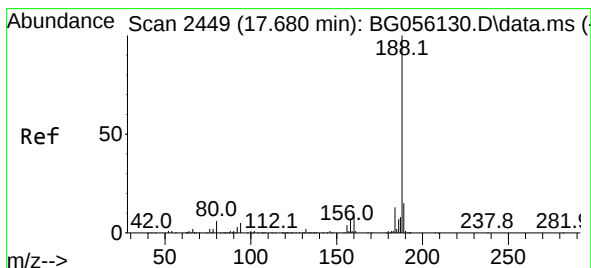
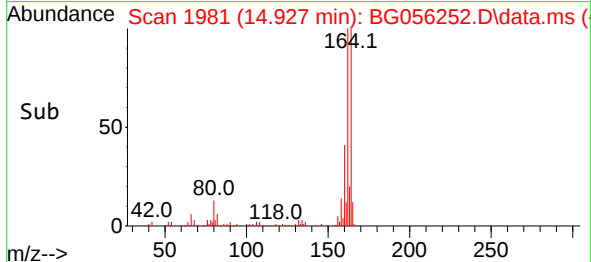
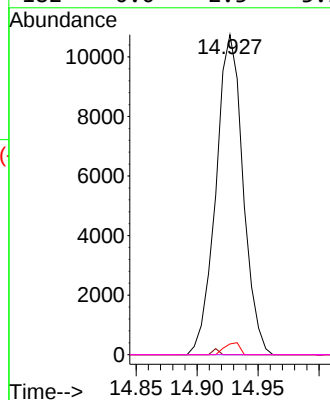
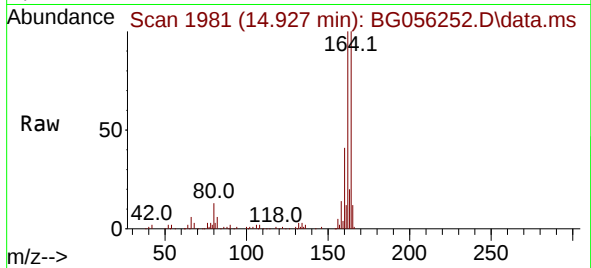
Ion Ratio Lower Upper

165 100

63 0.0 22.6 34.0#

89 3.3 53.2 79.8#

182 0.0 2.3 3.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.665 min Scan# 2447

Delta R.T. 0.000 min

Lab File: BG056252.D

Acq: 11 Jan 2023 15:59

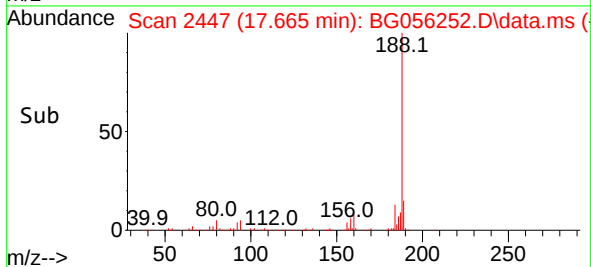
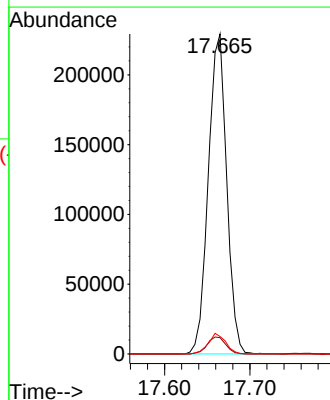
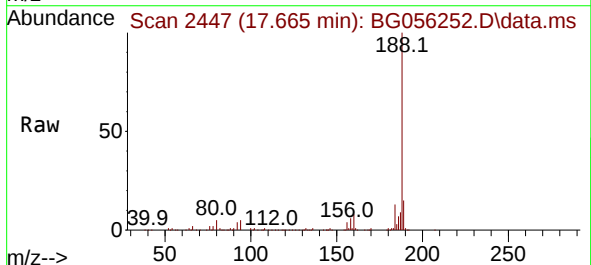
Tgt Ion:188 Resp: 343562

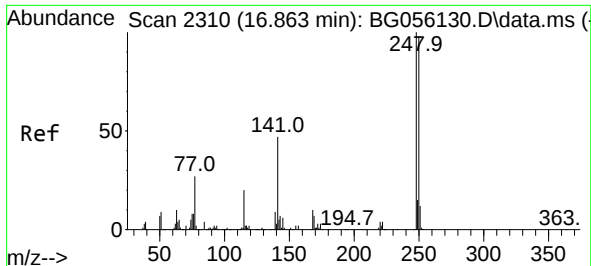
Ion Ratio Lower Upper

188 100

94 5.1 4.2 6.2

80 5.4 5.0 7.4

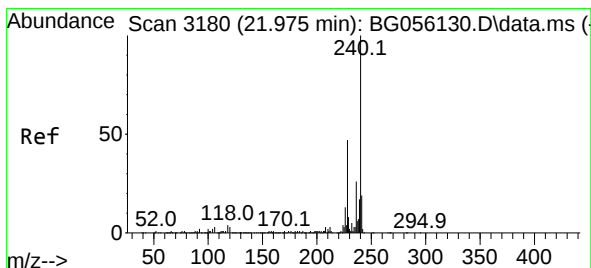
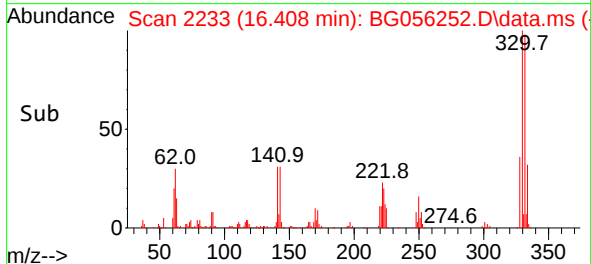
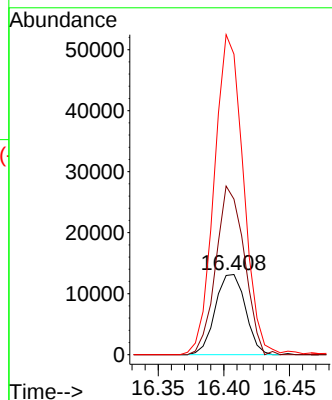
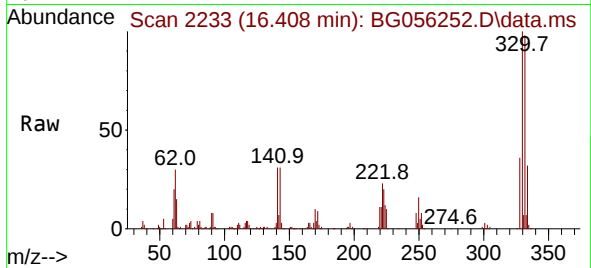




#67
4-Bromophenyl-phenylether
Concen: 4.795 ng
RT: 16.408 min Scan# 21
Delta R.T. -0.440 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

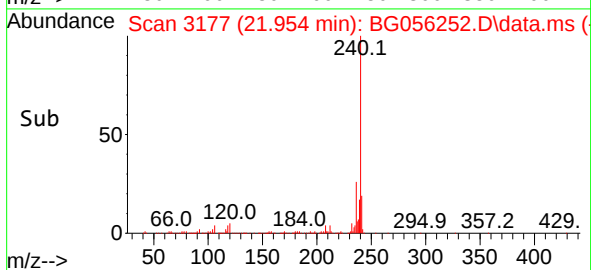
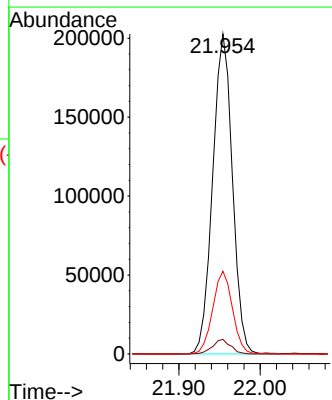
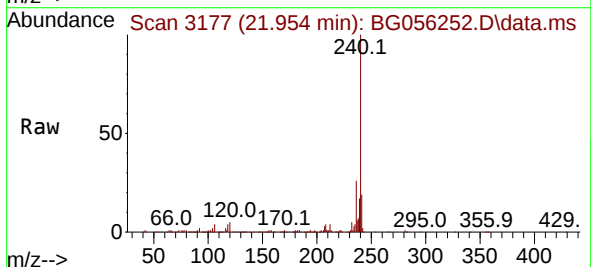
Instrument :
BNA_G
ClientSampleId :
S4-03

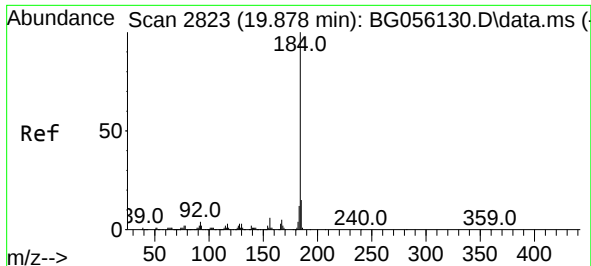
Tgt Ion:248 Resp: 20979
Ion Ratio Lower Upper
248 100
250 194.2 78.2 117.4#
141 375.1 37.6 56.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.954 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

Tgt Ion:240 Resp: 342222
Ion Ratio Lower Upper
240 100
120 4.6 2.6 4.0#
236 25.9 20.8 31.2

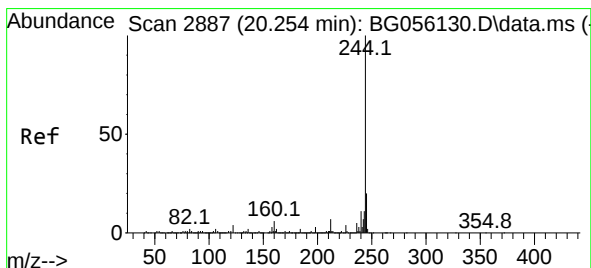
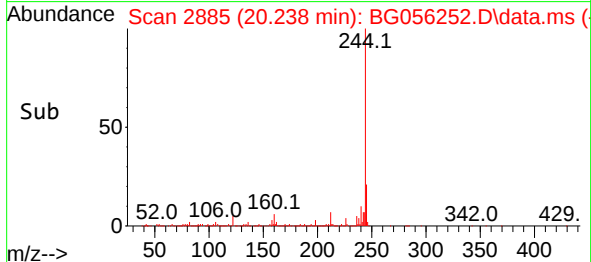
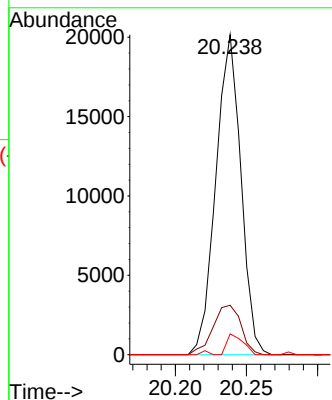
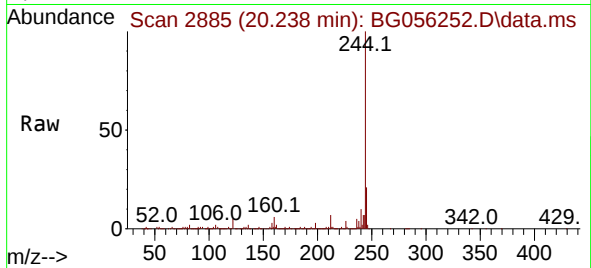




#77
Benzidine
Concen: 2.053 ng
RT: 20.238 min Scan# 2885
Delta R.T. 0.376 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

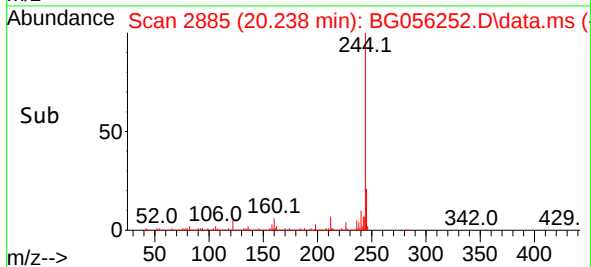
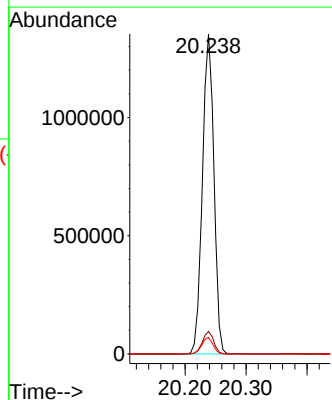
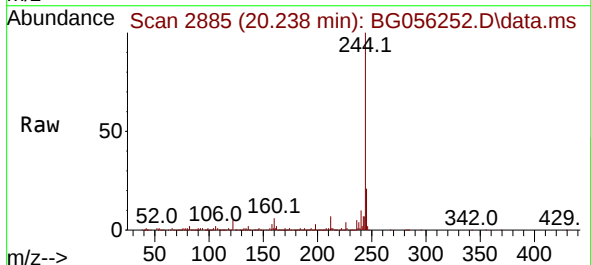
Instrument :
BNA_G
ClientSampleId :
S4-03

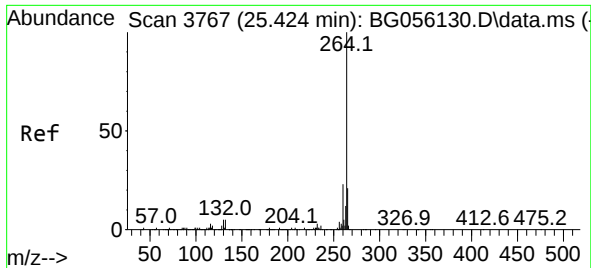
Tgt Ion:184 Resp: 24616
Ion Ratio Lower Upper
184 100
185 15.5 12.2 18.2
183 6.5 9.4 14.0#



#79
Terphenyl-d14
Concen: 92.841 ng
RT: 20.238 min Scan# 2885
Delta R.T. 0.000 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

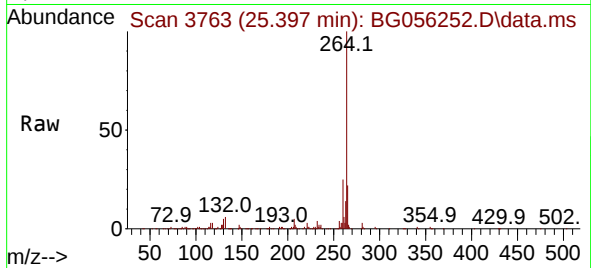
Tgt Ion:244 Resp: 1773935
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 5.2 3.5 5.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.397 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG056252.D
Acq: 11 Jan 2023 15:59

Instrument :
BNA_G
ClientSampleId :
S4-03



Tgt Ion:264 Resp: 370144
Ion Ratio Lower Upper
264 100
260 25.1 18.6 28.0
265 22.0 16.7 25.1

