

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081123\
 Data File : BG058704.D
 Acq On : 11 Aug 2023 15:59
 Operator : MA/JU
 Sample : 03955-22
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TW-1

Quant Time: Aug 11 16:36:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

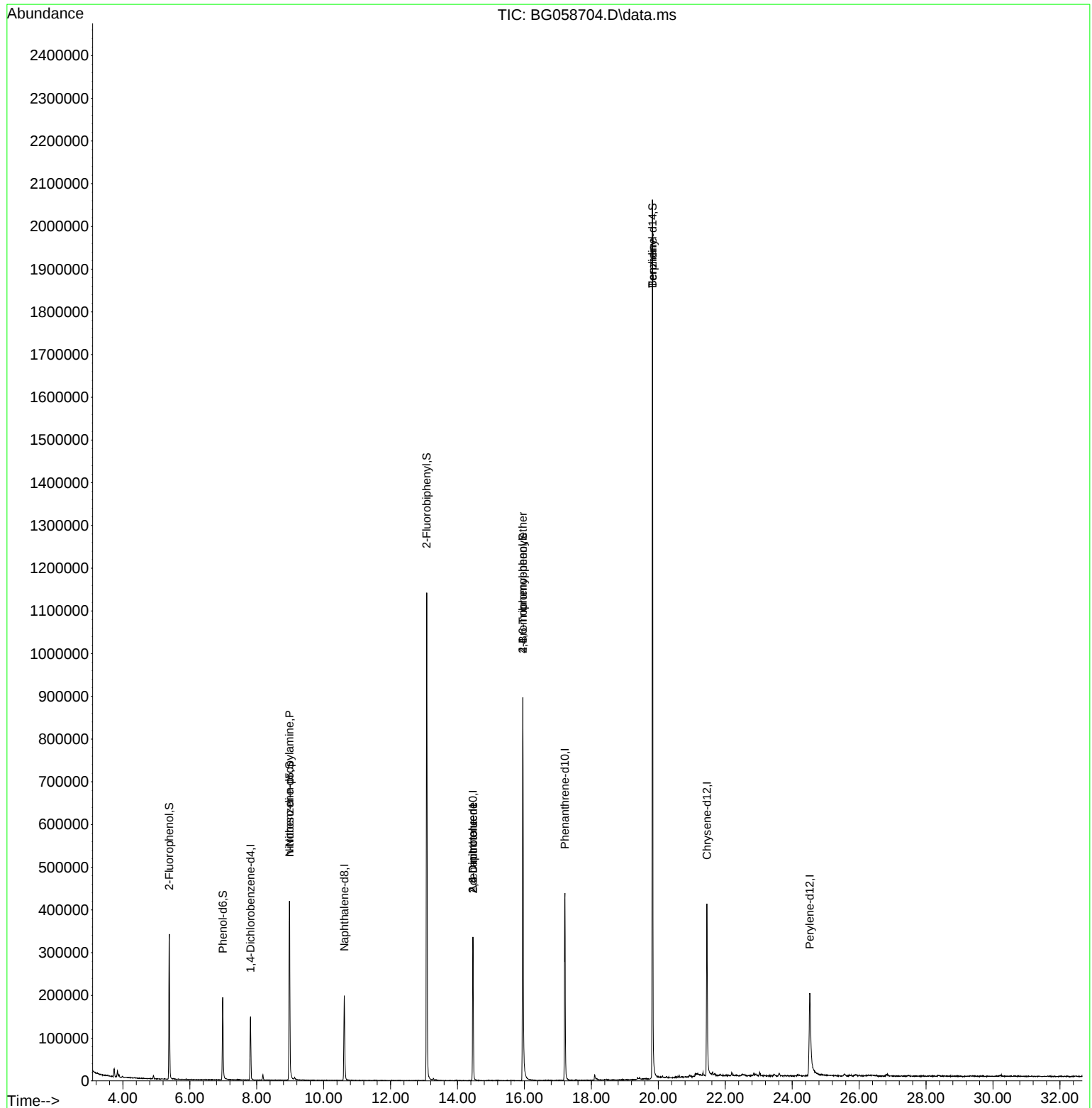
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	41979	20.000	ng	0.00
21) Naphthalene-d8	10.616	136	185043	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	129297	20.000	ng	0.00
64) Phenanthrene-d10	17.208	188	317000	20.000	ng	0.00
76) Chrysene-d12	21.451	240	279438	20.000	ng	0.00
86) Perylene-d12	24.523	264	308582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	148408	54.035	ng	0.00
7) Phenol-d6	6.985	99	125662	32.881	ng	0.00
23) Nitrobenzene-d5	8.977	82	280661	74.510	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	223734	105.571	ng	0.00
45) 2-Fluorobiphenyl	13.078	172	666308	77.227	ng	0.00
79) Terphenyl-d14	19.823	244	1150145	77.401	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	8.977	70	34516	13.982	ng	# 82
51) 2,6-Dinitrotoluene	14.459	165	17169	8.058	ng	# 24
57) 2,4-Dinitrotoluene	14.459	165	17169	5.812	ng	# 24
67) 4-Bromophenyl-phenylether	15.951	248	13566	3.773	ng	# 1
77) Benzidine	19.823	184	14279	3.370	ng	# 89

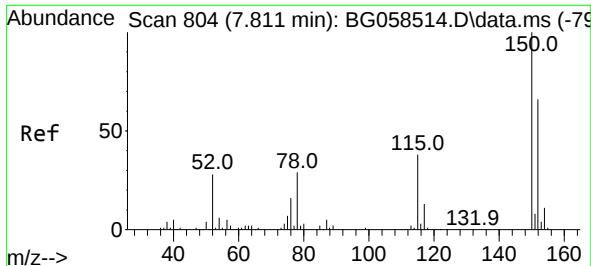
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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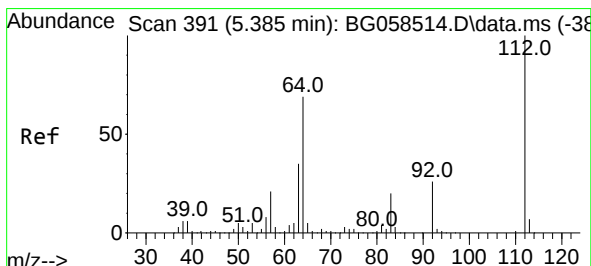
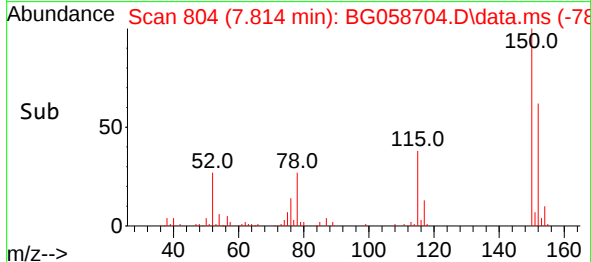
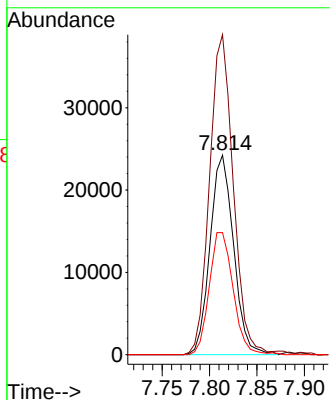
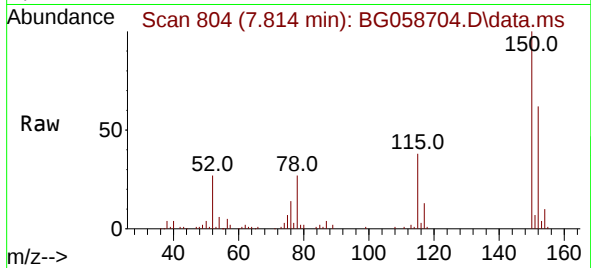




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.814 min Scan# 804
Delta R.T. 0.003 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

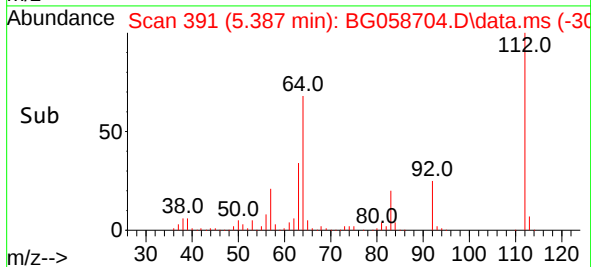
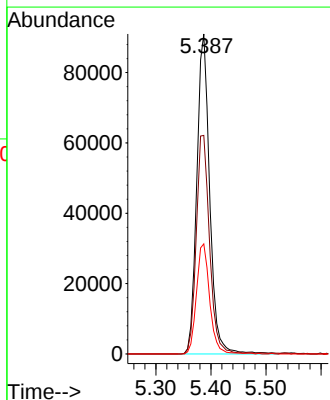
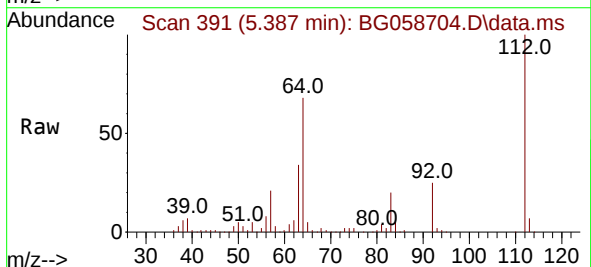
Instrument :
BNA_G
ClientSampleId :
TW-1

Tgt Ion:152 Resp: 41979
Ion Ratio Lower Upper
152 100
150 160.3 120.5 180.7
115 61.2 45.9 68.9



#5
2-Fluorophenol
Concen: 54.035 ng
RT: 5.387 min Scan# 391
Delta R.T. 0.002 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

Tgt Ion:112 Resp: 148408
Ion Ratio Lower Upper
112 100
64 68.3 55.3 82.9
63 34.4 28.3 42.5

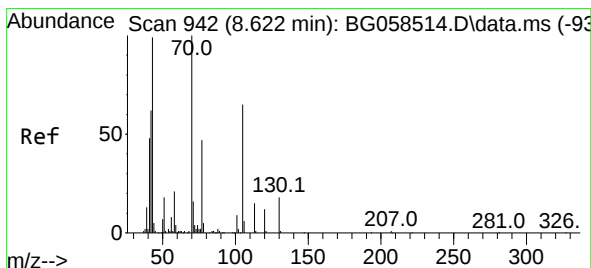
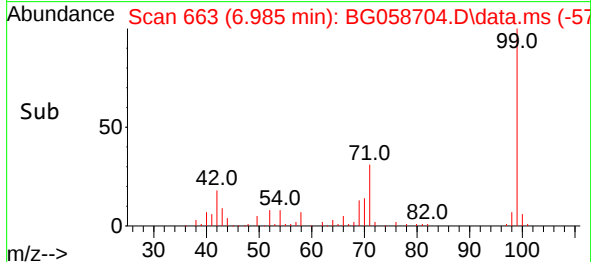
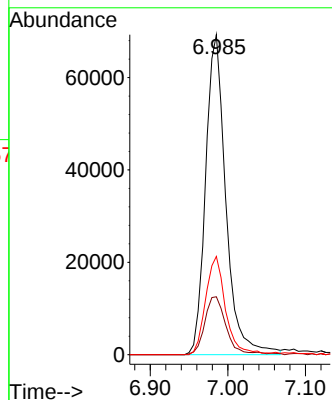
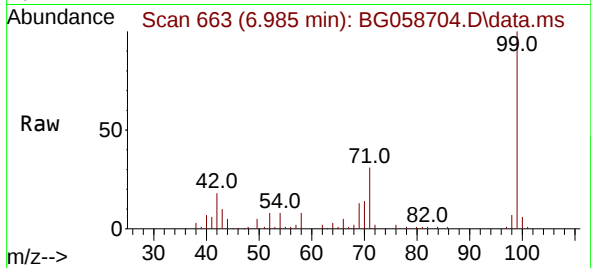




#7
Phenol-d6
Concen: 32.881 ng
RT: 6.985 min Scan# 60
Delta R.T. 0.002 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

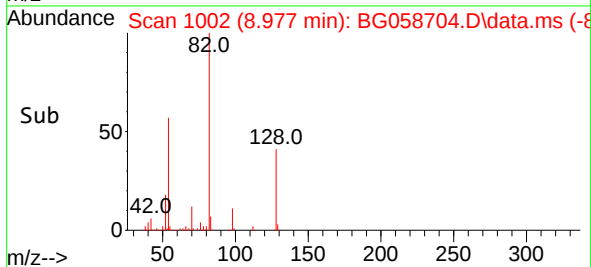
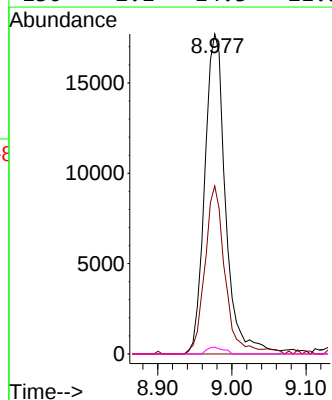
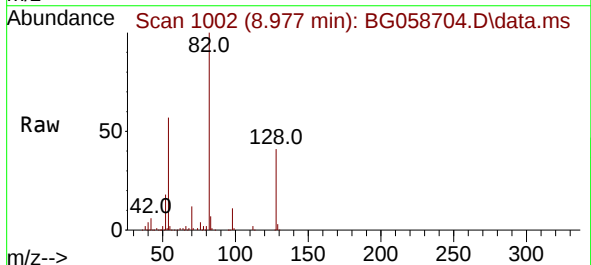
Instrument :
BNA_G
ClientSampleId :
TW-1

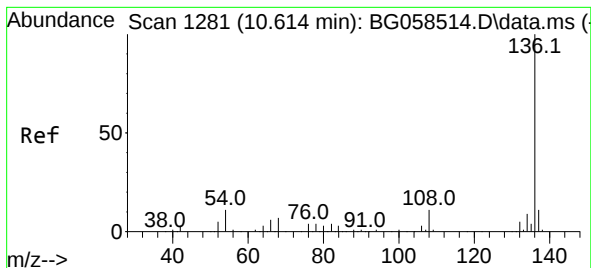
Tgt Ion: 99 Resp: 125662
Ion Ratio Lower Upper
99 100
42 18.1 14.6 21.8
71 30.7 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.982 ng
RT: 8.977 min Scan# 1002
Delta R.T. 0.355 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

Tgt Ion: 70 Resp: 34516
Ion Ratio Lower Upper
70 100
42 52.5 49.7 74.5
101 0.0 7.0 10.4#
130 2.1 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.616 min Scan# 1002

Delta R.T. 0.002 min

Lab File: BG058704.D

Acq: 11 Aug 2023 15:59

Instrument :

BNA_G

ClientSampleId :

TW-1

Tgt Ion:136 Resp: 185043

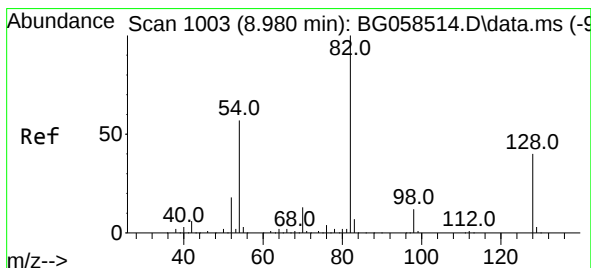
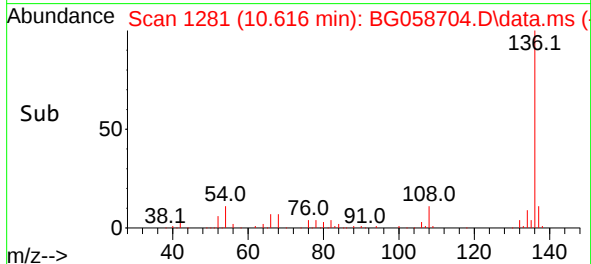
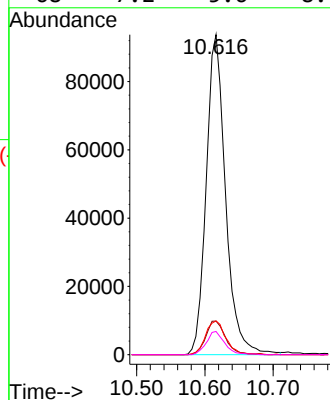
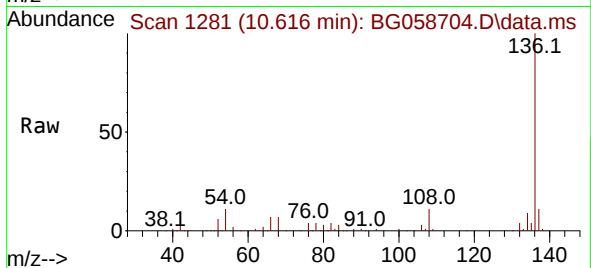
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 10.5 8.9 13.3

68 7.2 5.6 8.4



#23

Nitrobenzene-d5

Concen: 74.510 ng

RT: 8.977 min Scan# 1002

Delta R.T. -0.003 min

Lab File: BG058704.D

Acq: 11 Aug 2023 15:59

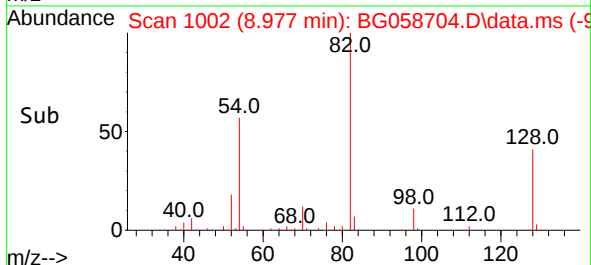
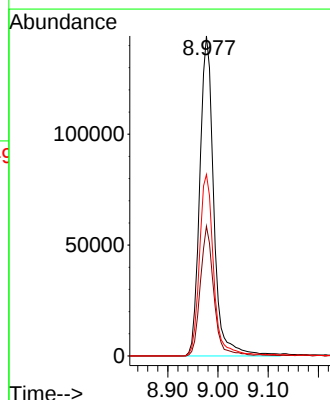
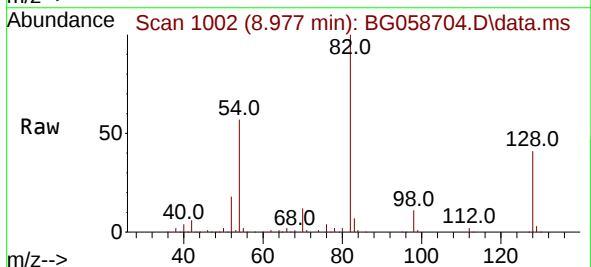
Tgt Ion: 82 Resp: 280661

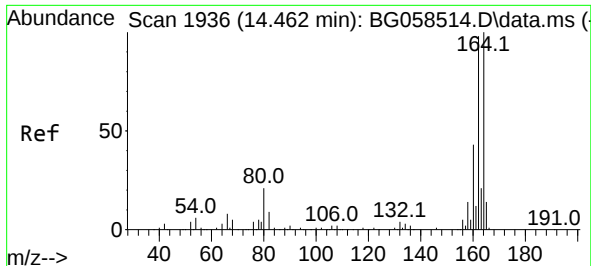
Ion Ratio Lower Upper

82 100

128 40.5 32.2 48.2

54 56.7 46.0 69.0

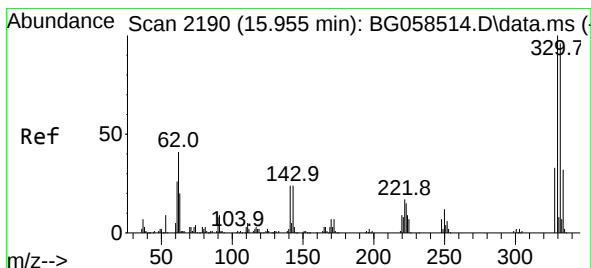
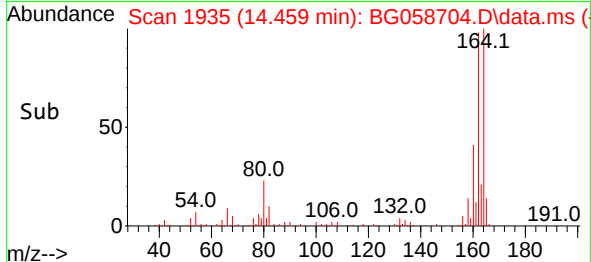
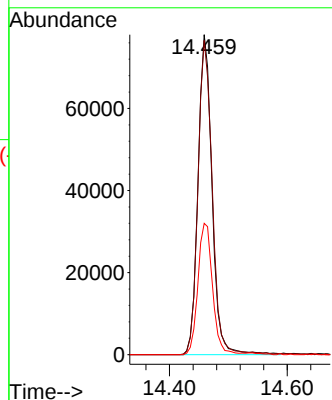
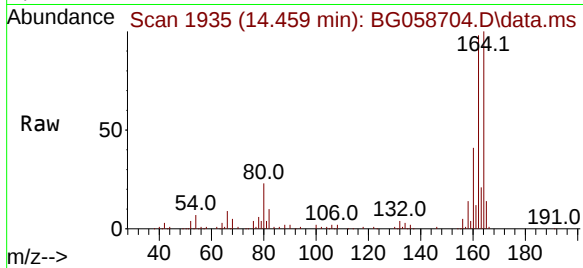




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

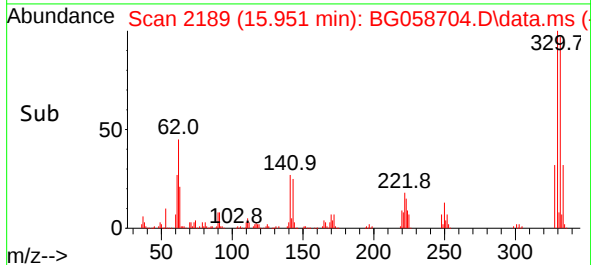
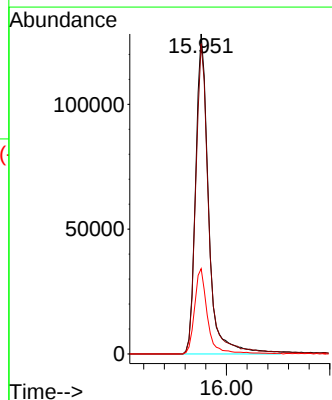
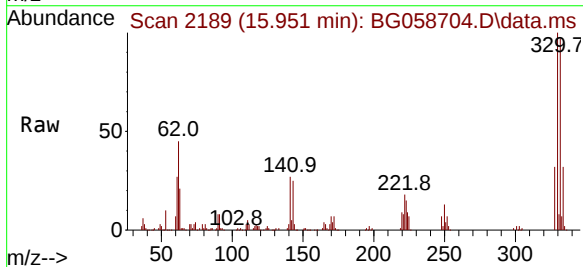
Instrument :
BNA_G
ClientSampleId :
TW-1

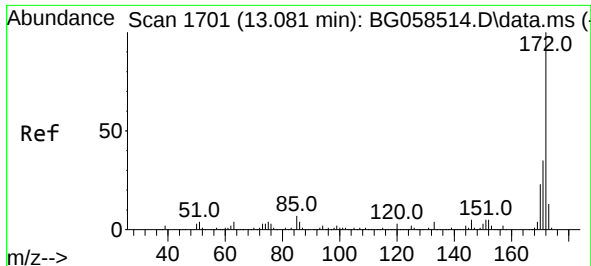
Tgt Ion:164 Resp: 129297
Ion Ratio Lower Upper
164 100
162 98.2 78.3 117.5
160 41.1 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 105.571 ng
RT: 15.951 min Scan# 2189
Delta R.T. -0.003 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

Tgt Ion:330 Resp: 223734
Ion Ratio Lower Upper
330 100
332 97.8 77.5 116.3
141 26.7 20.7 31.1

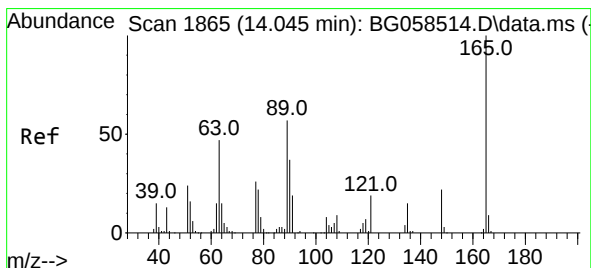
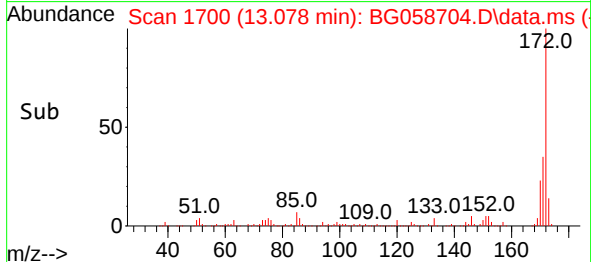
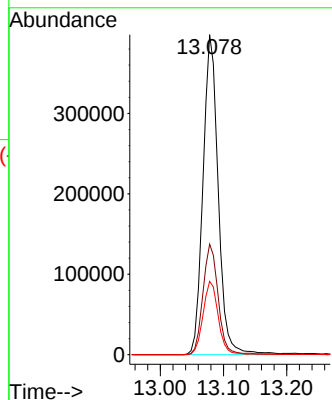
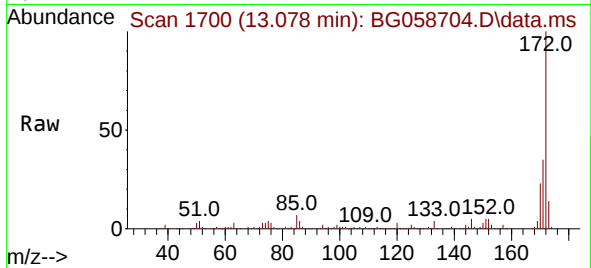




#45
2-Fluorobiphenyl
Concen: 77.227 ng
RT: 13.078 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

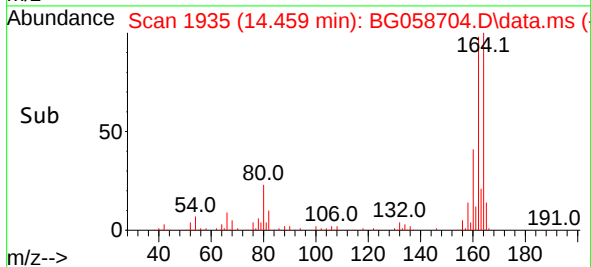
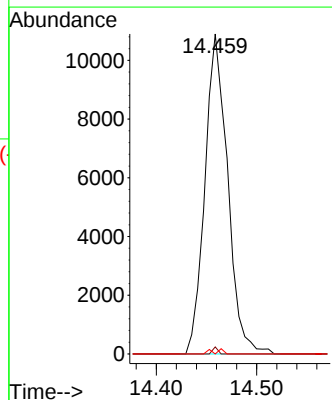
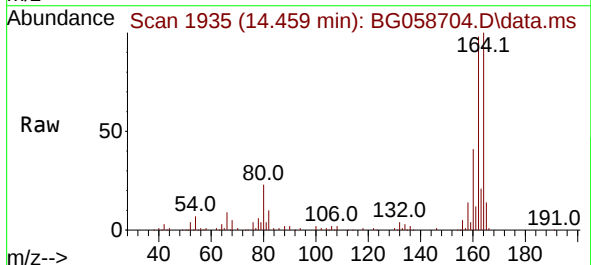
Instrument :
BNA_G
ClientSampleId :
TW-1

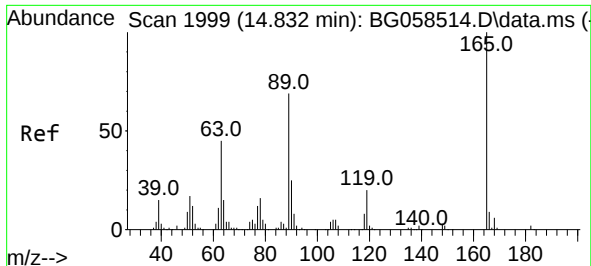
Tgt Ion:172 Resp: 666308
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 22.9 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 8.058 ng
RT: 14.459 min Scan# 1935
Delta R.T. 0.414 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

Tgt Ion:165 Resp: 17169
Ion Ratio Lower Upper
165 100
63 2.2 46.4 69.6#
89 0.0 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.812 ng

RT: 14.459 min Scan# 1999

Delta R.T. -0.373 min

Lab File: BG058704.D

Acq: 11 Aug 2023 15:59

Instrument :

BNA_G

ClientSampleId :

TW-1

Tgt Ion:165 Resp: 17169

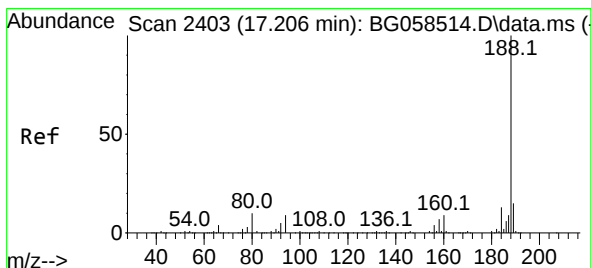
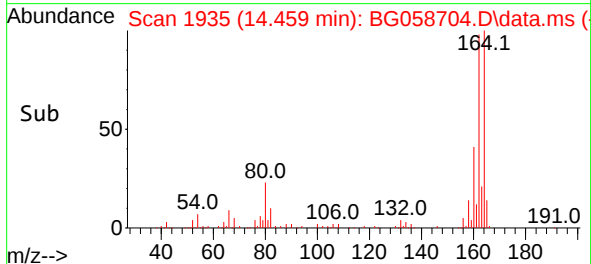
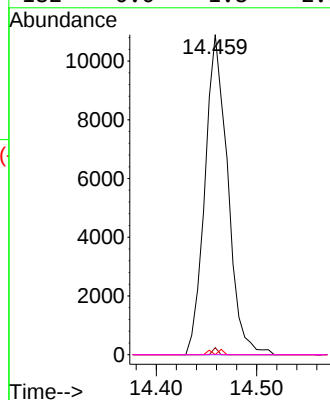
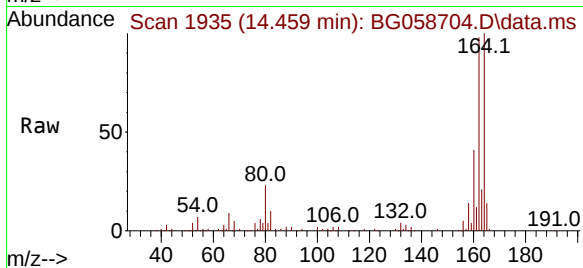
Ion Ratio Lower Upper

165 100

63 2.2 36.6 54.8#

89 0.0 55.4 83.0#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.208 min Scan# 2403

Delta R.T. 0.002 min

Lab File: BG058704.D

Acq: 11 Aug 2023 15:59

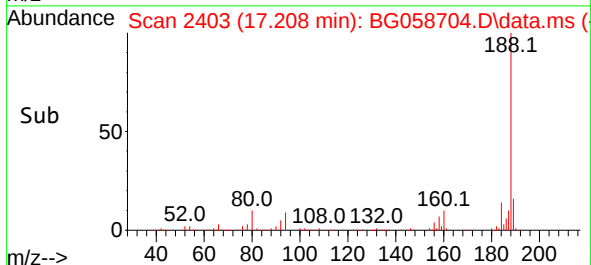
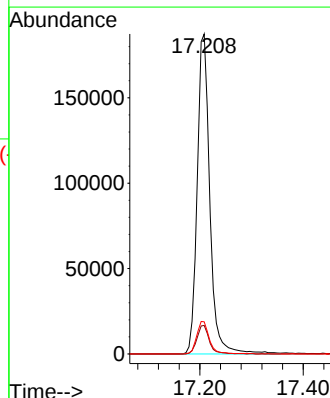
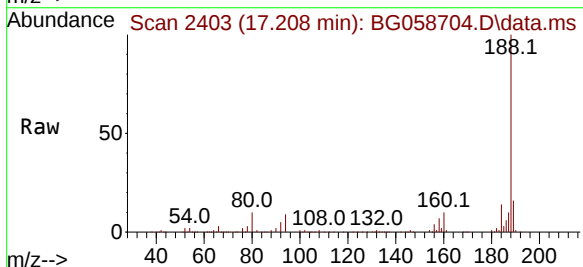
Tgt Ion:188 Resp: 317000

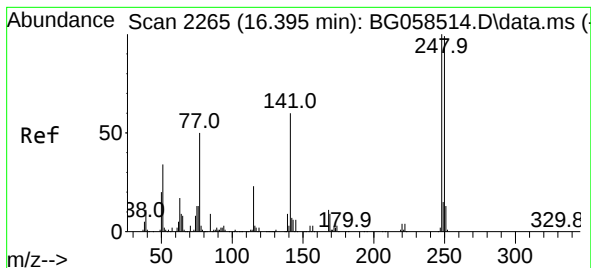
Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

80 10.1 8.1 12.1

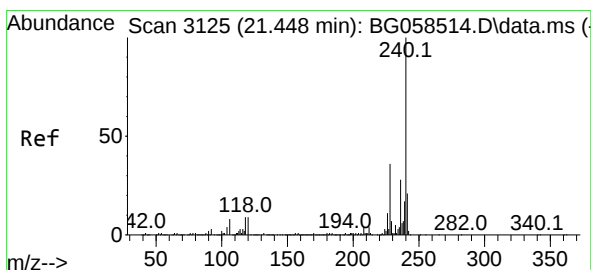
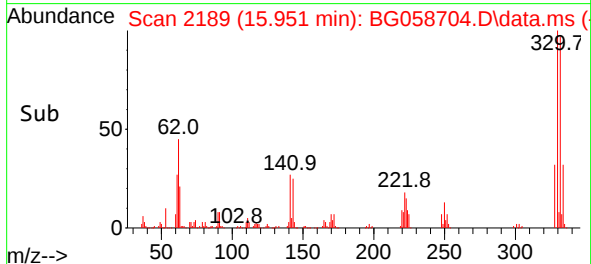
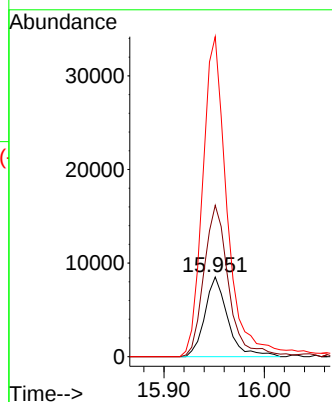
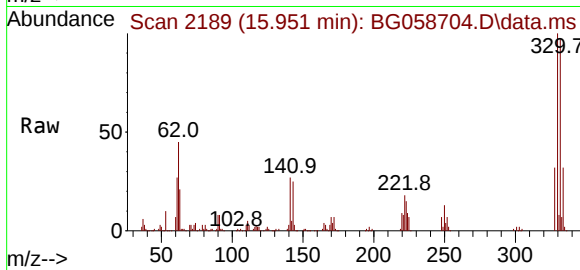




#67
4-Bromophenyl-phenylether
Concen: 3.773 ng
RT: 15.951 min Scan# 2119
Delta R.T. -0.444 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

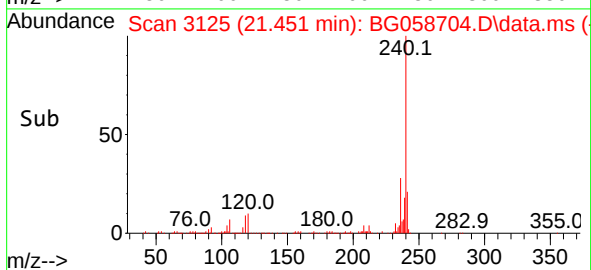
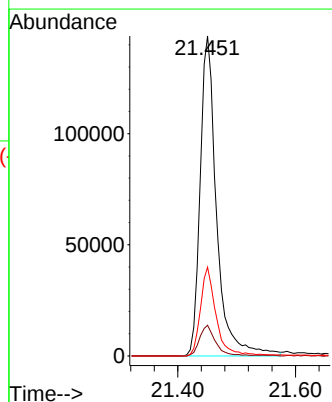
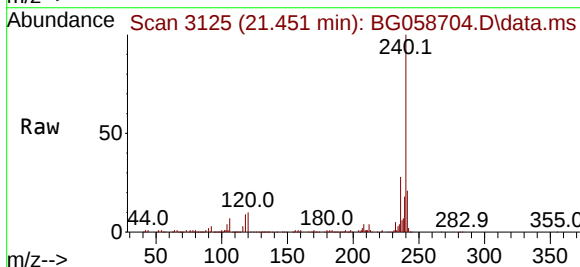
Instrument :
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TW-1

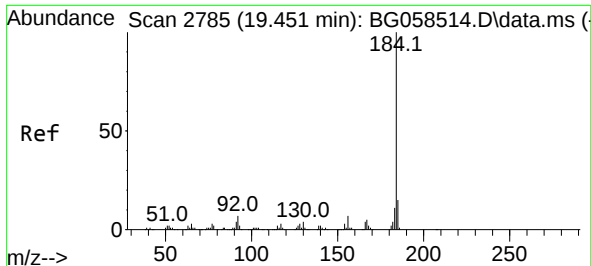
Tgt Ion:248 Resp: 13566
Ion Ratio Lower Upper
248 100
250 190.0 79.5 119.3#
141 401.6 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.451 min Scan# 3125
Delta R.T. 0.002 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

Tgt Ion:240 Resp: 279438
Ion Ratio Lower Upper
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120 9.6 7.4 11.0
236 27.8 22.2 33.4

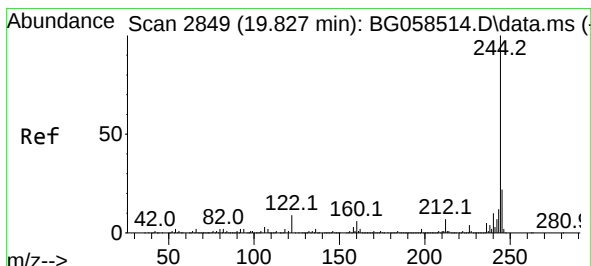
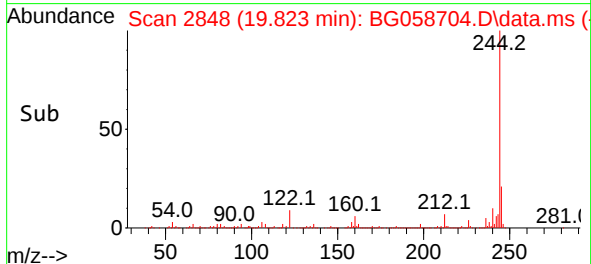
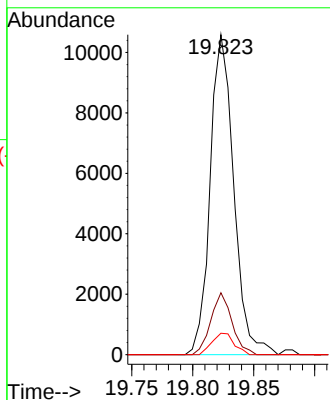
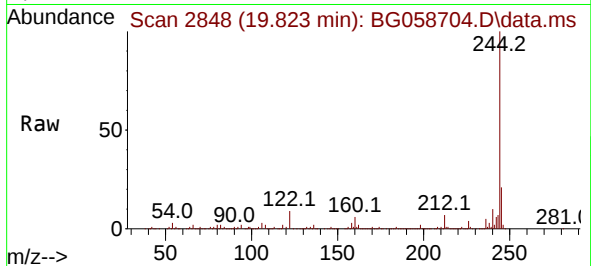




#77
Benzidine
Concen: 3.370 ng
RT: 19.823 min Scan# 21
Delta R.T. 0.373 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

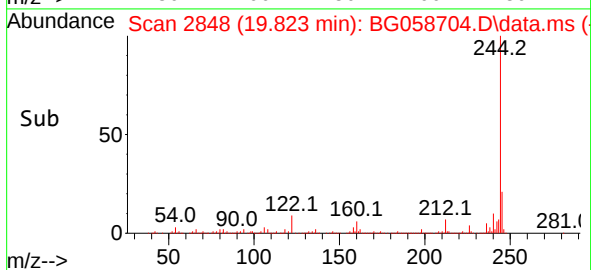
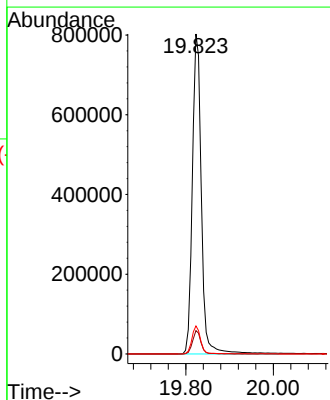
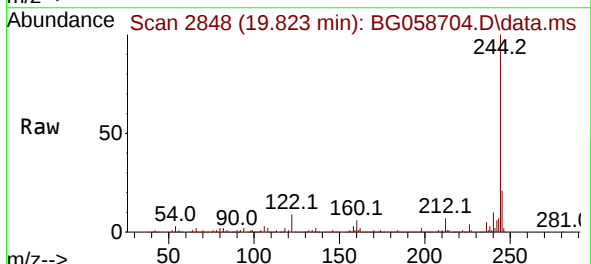
Instrument :
BNA_G
ClientSampleId :
TW-1

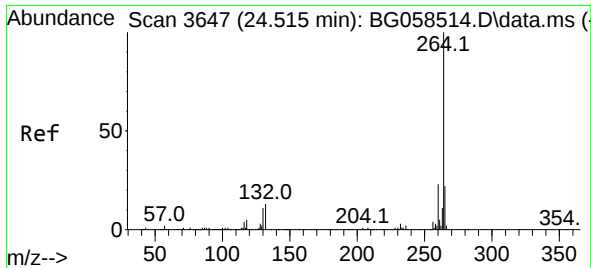
Tgt Ion:184 Resp: 14279
Ion Ratio Lower Upper
184 100
185 19.4 11.9 17.9#
183 6.7 8.7 13.1#



#79
Terphenyl-d14
Concen: 77.401 ng
RT: 19.823 min Scan# 2848
Delta R.T. -0.003 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

Tgt Ion:244 Resp: 1150145
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 8.7 6.8 10.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.523 min Scan# 30
Delta R.T. 0.008 min
Lab File: BG058704.D
Acq: 11 Aug 2023 15:59

Instrument :
BNA_G
ClientSampleId :
TW-1

Tgt Ion:264 Resp: 308582
Ion Ratio Lower Upper
264 100
260 21.3 18.4 27.6
265 22.1 17.9 26.9

