

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081623\
 Data File : BG058740.D
 Acq On : 16 Aug 2023 9:14
 Operator : MA/JU
 Sample : PB154844BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB154844BL

Quant Time: Aug 16 11:22:28 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)

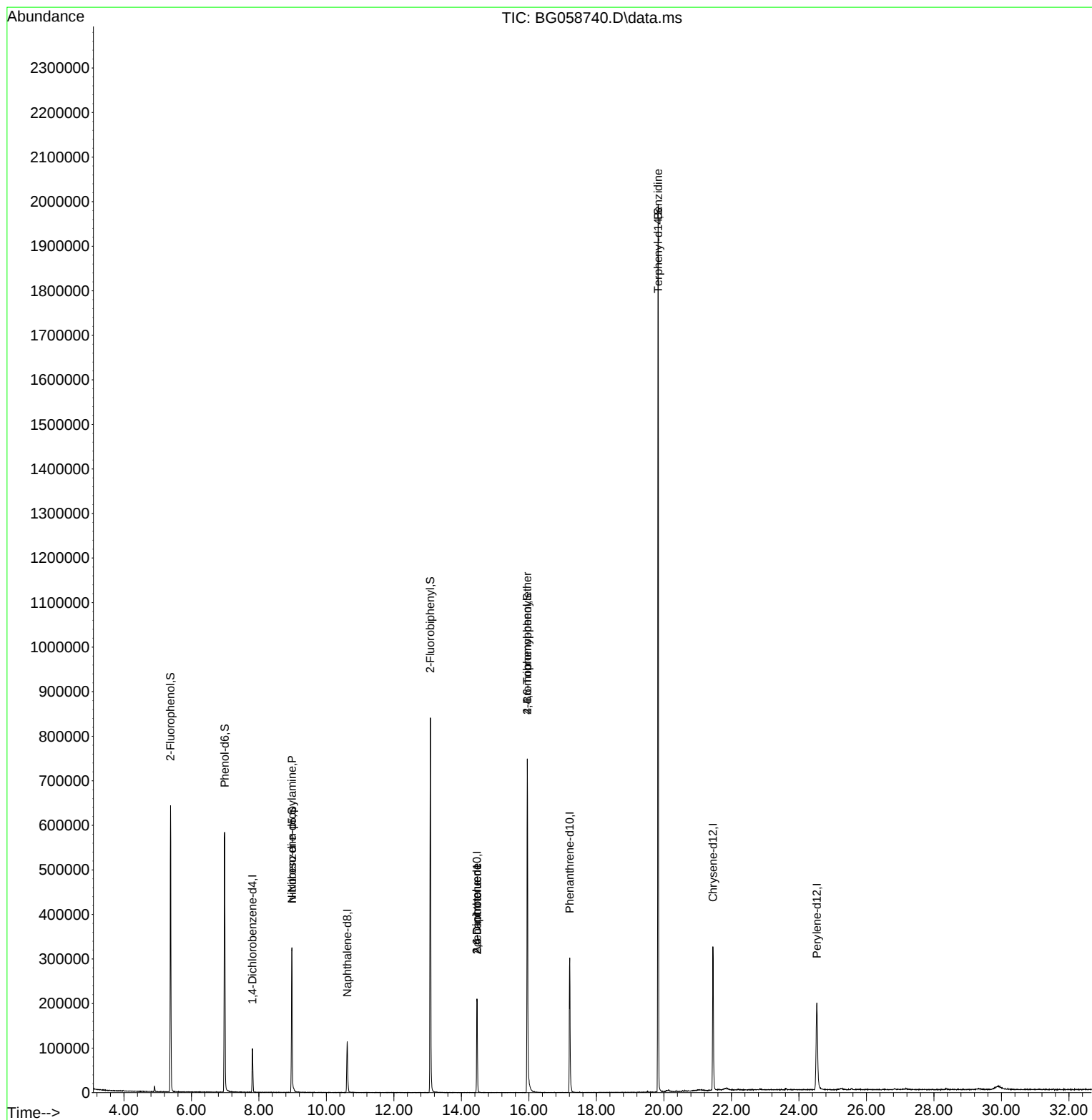
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	27644	20.000	ng	0.00
21) Naphthalene-d8	10.617	136	113408	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	84187	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	232105	20.000	ng	0.00
76) Chrysene-d12	21.451	240	213748	20.000	ng	0.00
86) Perylene-d12	24.530	264	259928	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.382	112	251690	139.161	ng	0.00
7) Phenol-d6	6.986	99	342777	136.203	ng	0.00
23) Nitrobenzene-d5	8.977	82	206668	89.523	ng	0.00
42) 2,4,6-Tribromophenol	15.952	330	178183	129.129	ng	0.00
45) 2-Fluorobiphenyl	13.079	172	500155	89.031	ng	0.00
79) Terphenyl-d14	19.829	244	1065670	93.756	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.977	70	25822	15.885	ng	# 80
51) 2,6-Dinitrotoluene	14.459	165	10869	7.835	ng	# 22
57) 2,4-Dinitrotoluene	14.459	165	10869	5.651	ng	# 23
67) 4-Bromophenyl-phenylether	15.952	248	11360	4.315	ng	# 1
77) Benzidine	19.824	184	14830	4.575	ng	# 92

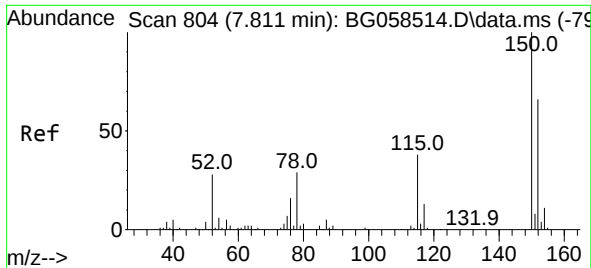
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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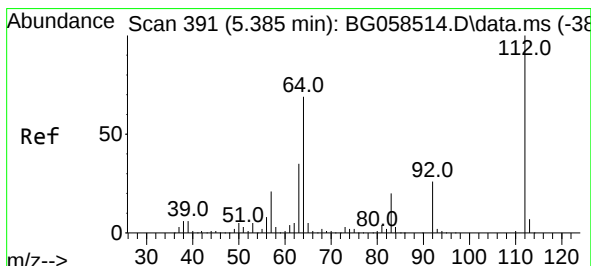
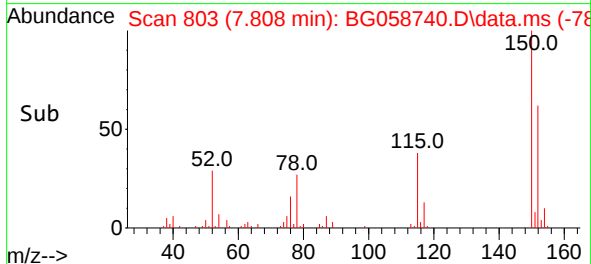
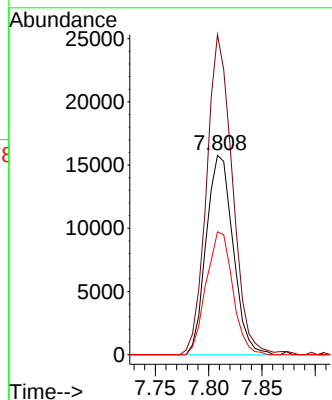
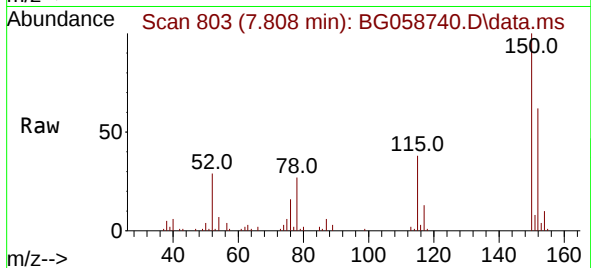




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 804
Delta R.T. -0.003 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

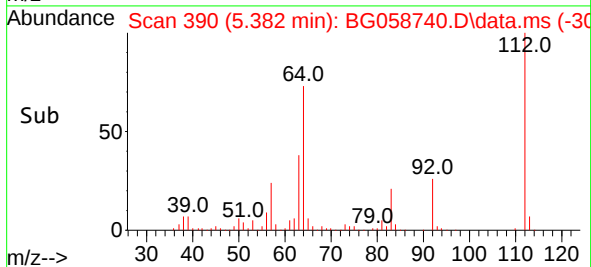
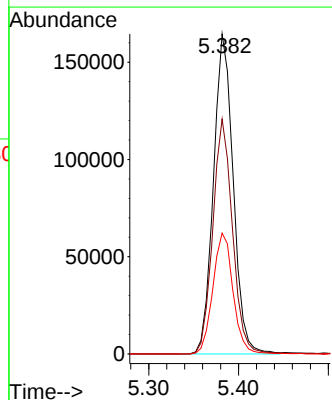
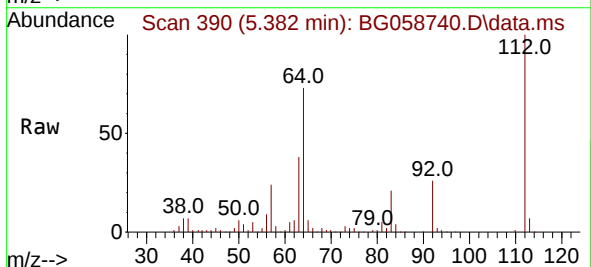
Instrument :
BNA_G
ClientSampleId :
PB154844BL

Tgt Ion:152 Resp: 27644
Ion Ratio Lower Upper
152 100
150 160.5 120.5 180.7
115 61.6 45.9 68.9



#5
2-Fluorophenol
Concen: 139.161 ng
RT: 5.382 min Scan# 390
Delta R.T. -0.003 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

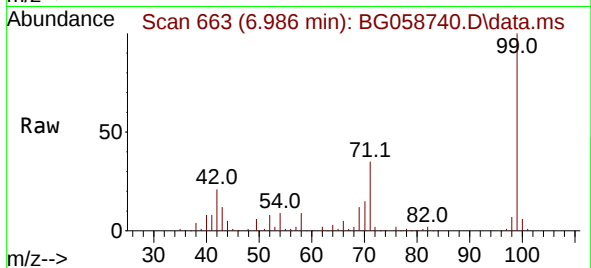
Tgt Ion:112 Resp: 251690
Ion Ratio Lower Upper
112 100
64 73.4 55.3 82.9
63 37.7 28.3 42.5



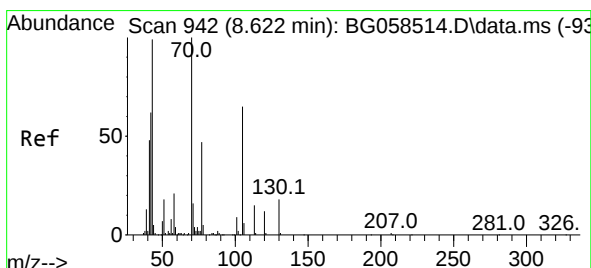
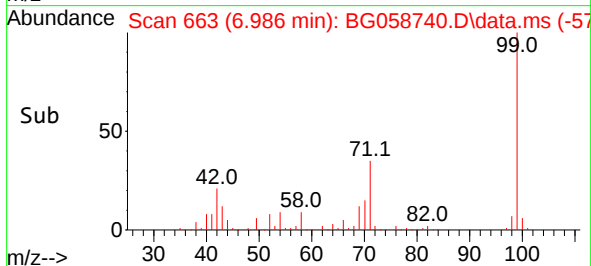
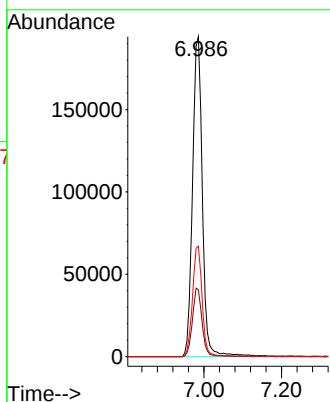


#7
Phenol-d6
Concen: 136.203 ng
RT: 6.986 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

Instrument :
BNA_G
ClientSampleId :
PB154844BL

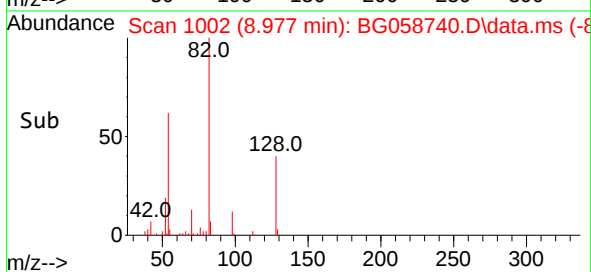
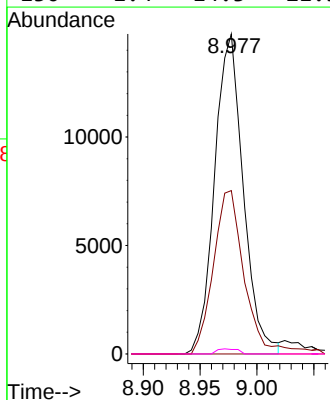
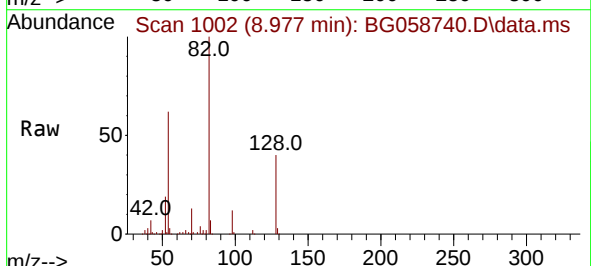


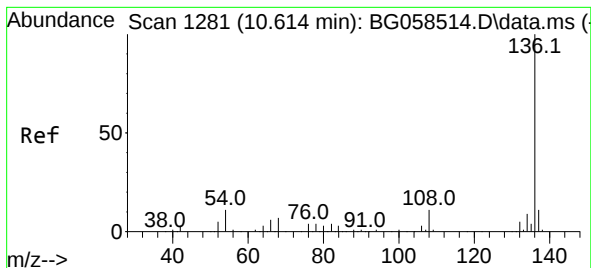
Tgt Ion:	99	Resp:	342777
Ion	Ratio	Lower	Upper
99	100		
42	20.9	14.6	21.8
71	34.5	25.0	37.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.885 ng
RT: 8.977 min Scan# 1002
Delta R.T. 0.355 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

Tgt Ion:	70	Resp:	25822
Ion	Ratio	Lower	Upper
70	100		
42	51.1	49.7	74.5
101	0.0	7.0	10.4#
130	1.4	14.3	21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.617 min Scan# 11

Delta R.T. 0.003 min

Lab File: BG058740.D

Acq: 16 Aug 2023 9:14

Instrument :

BNA_G

ClientSampleId :

PB154844BL

Tgt Ion:136 Resp: 113408

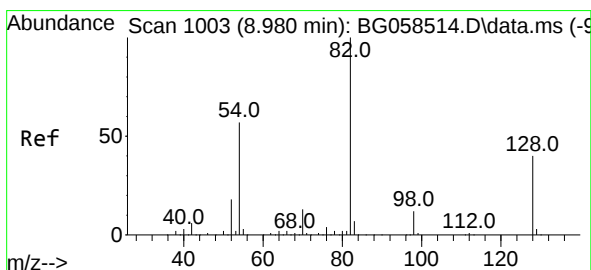
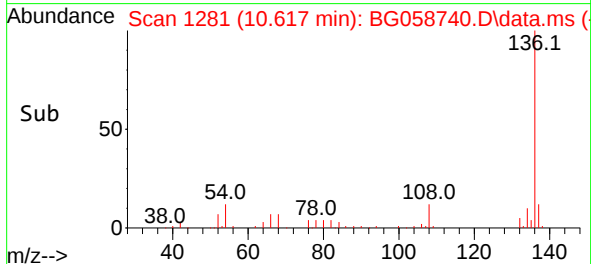
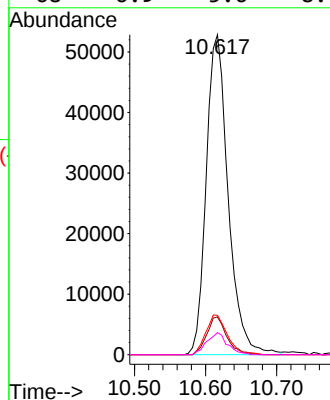
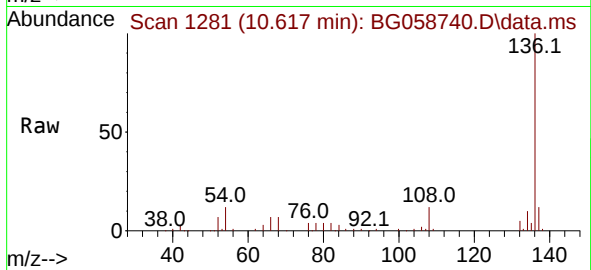
Ion Ratio Lower Upper

136 100

137 11.8 8.6 13.0

54 12.3 8.9 13.3

68 6.9 5.6 8.4



#23

Nitrobenzene-d5

Concen: 89.523 ng

RT: 8.977 min Scan# 1002

Delta R.T. -0.003 min

Lab File: BG058740.D

Acq: 16 Aug 2023 9:14

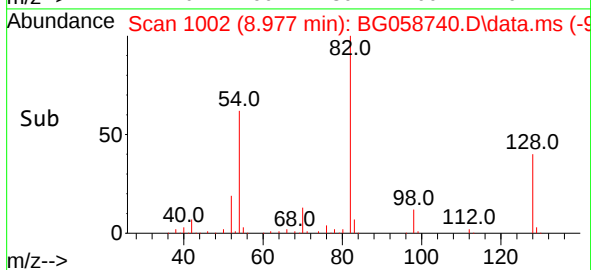
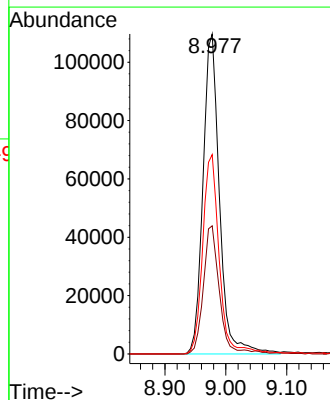
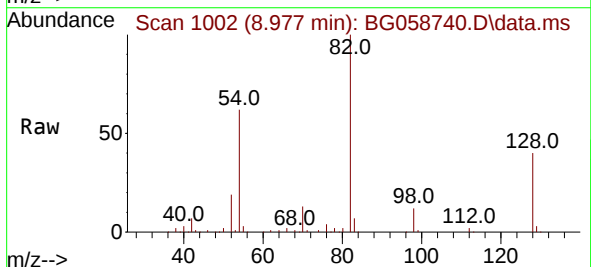
Tgt Ion: 82 Resp: 206668

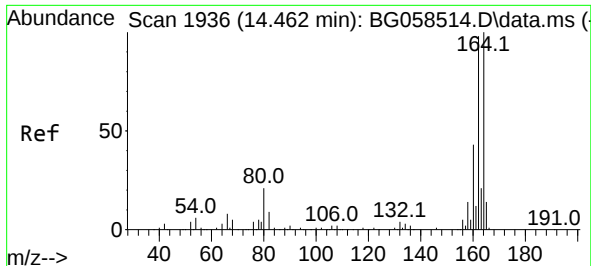
Ion Ratio Lower Upper

82 100

128 40.1 32.2 48.2

54 62.3 46.0 69.0

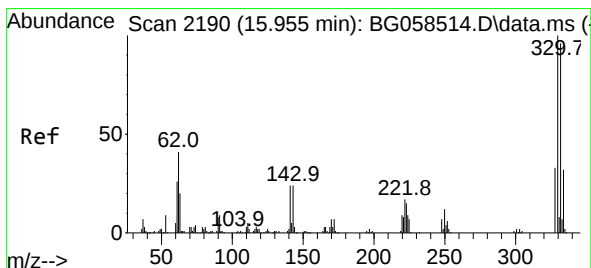
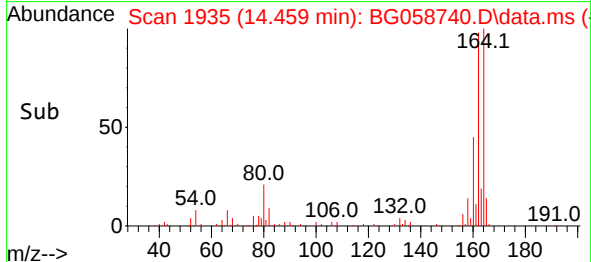
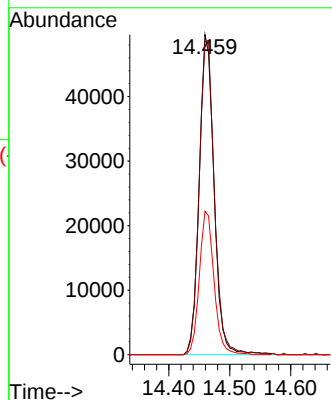
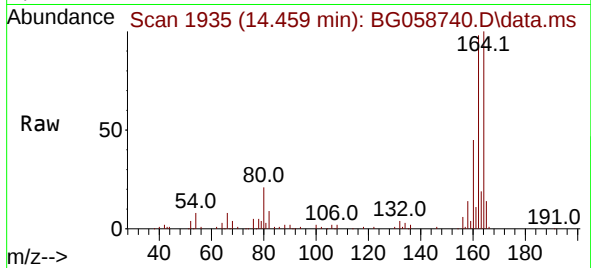




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

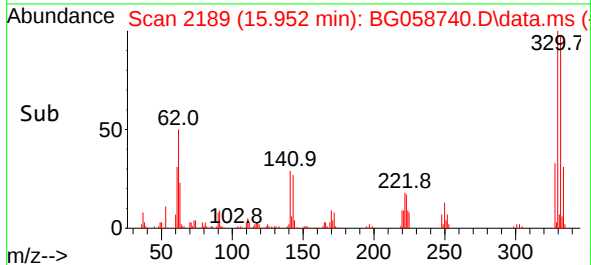
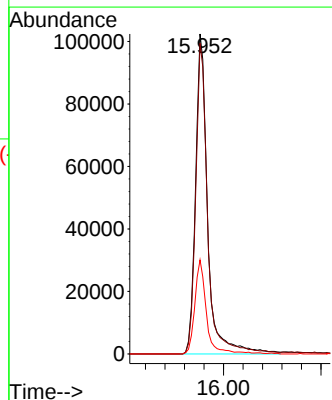
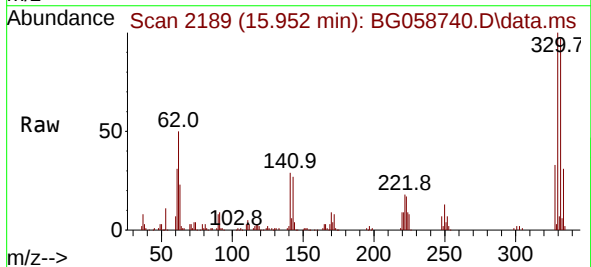
Instrument :
BNA_G
ClientSampleId :
PB154844BL

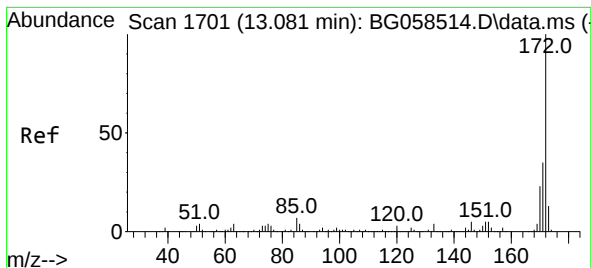
Tgt Ion:164 Resp: 84187
Ion Ratio Lower Upper
164 100
162 97.9 78.3 117.5
160 44.8 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 129.129 ng
RT: 15.952 min Scan# 2189
Delta R.T. -0.003 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

Tgt Ion:330 Resp: 178183
Ion Ratio Lower Upper
330 100
332 95.8 77.5 116.3
141 28.0 20.7 31.1

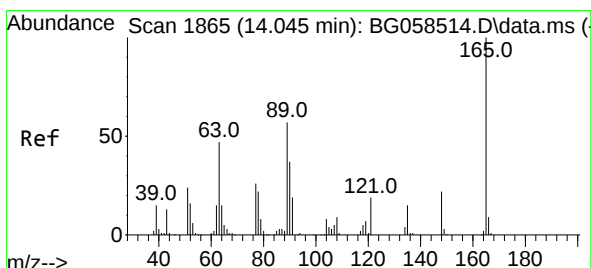
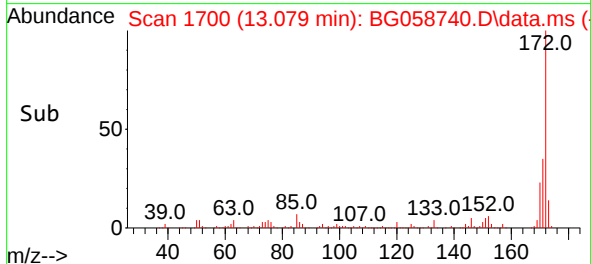
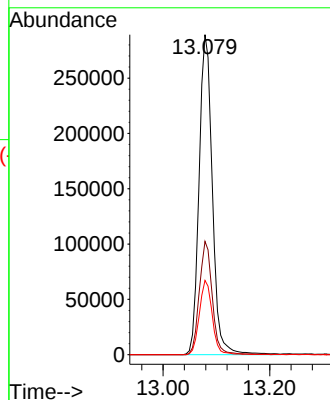
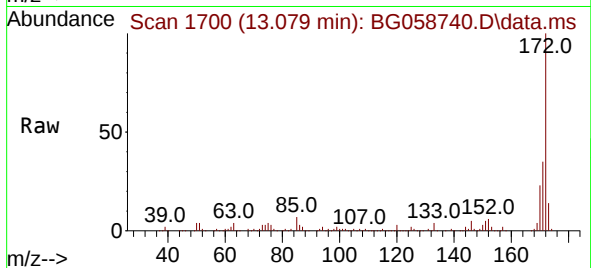




#45
2-Fluorobiphenyl
Concen: 89.031 ng
RT: 13.079 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

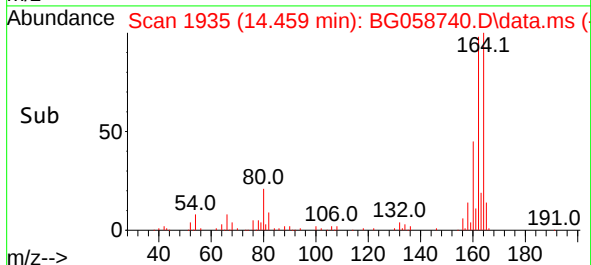
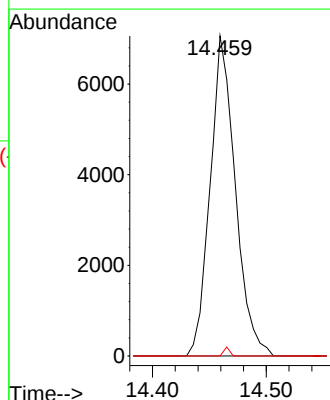
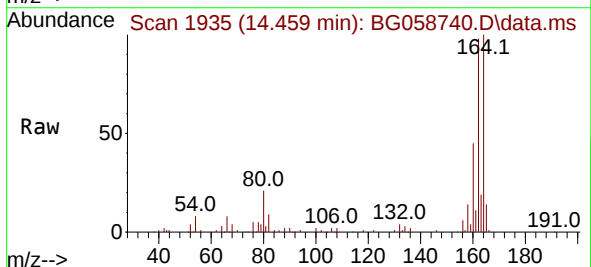
Instrument :
BNA_G
ClientSampleId :
PB154844BL

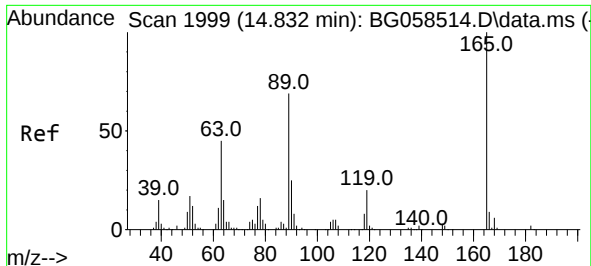
Tgt Ion:172 Resp: 500155
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 23.2 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.835 ng
RT: 14.459 min Scan# 1935
Delta R.T. 0.414 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

Tgt Ion:165 Resp: 10869
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.3 67.9#





#57

2,4-Dinitrotoluene

Concen: 5.651 ng

RT: 14.459 min Scan# 1999

Delta R.T. -0.373 min

Lab File: BG058740.D

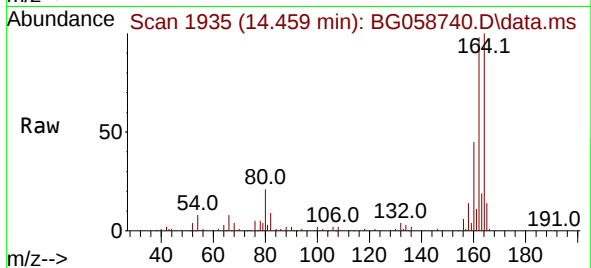
Acq: 16 Aug 2023 9:14

Instrument :

BNA_G

ClientSampleId :

PB154844BL



Tgt Ion:165 Resp: 10869

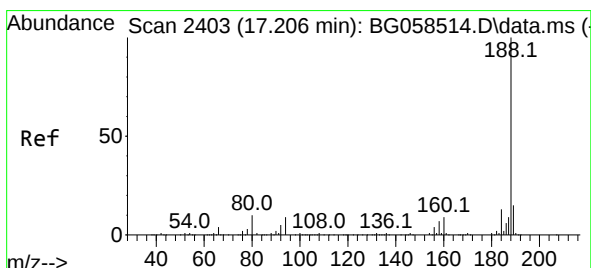
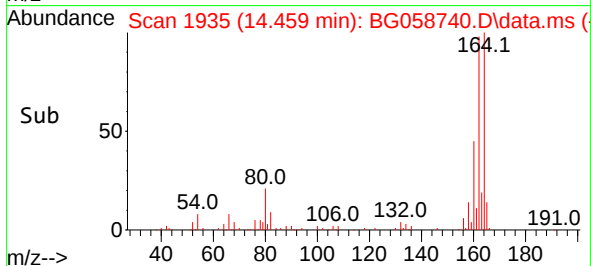
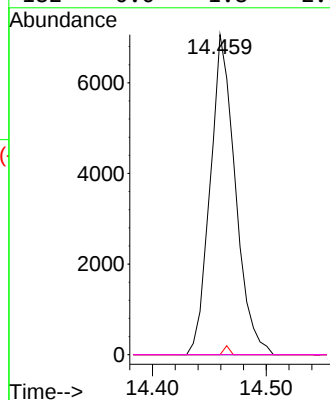
Ion Ratio Lower Upper

165 100

63 0.0 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: 17.209 min Scan# 2403

Delta R.T. 0.003 min

Lab File: BG058740.D

Acq: 16 Aug 2023 9:14

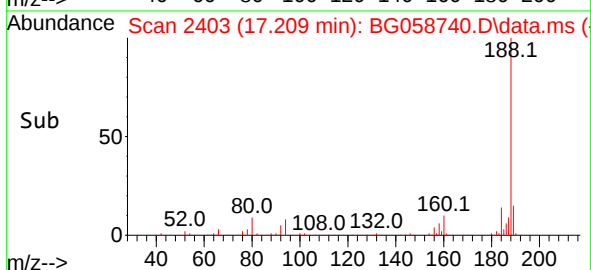
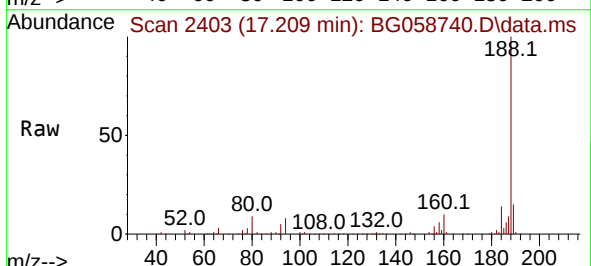
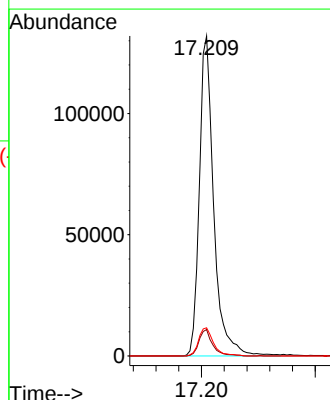
Tgt Ion:188 Resp: 232105

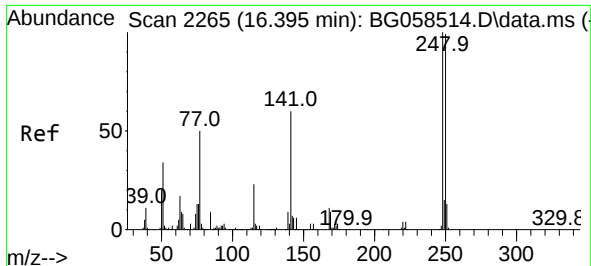
Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

80 8.8 8.1 12.1

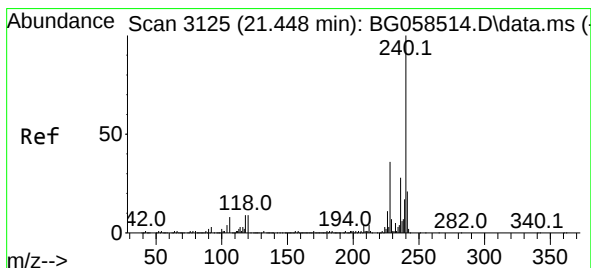
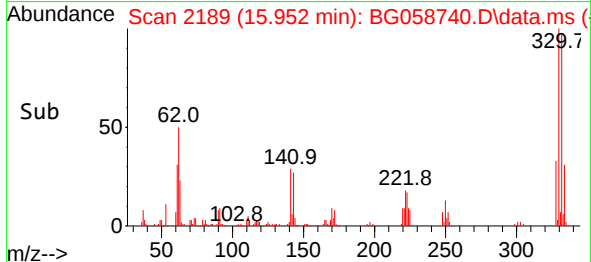
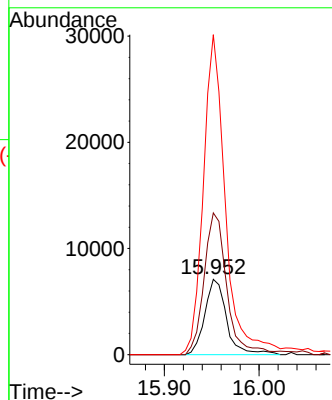
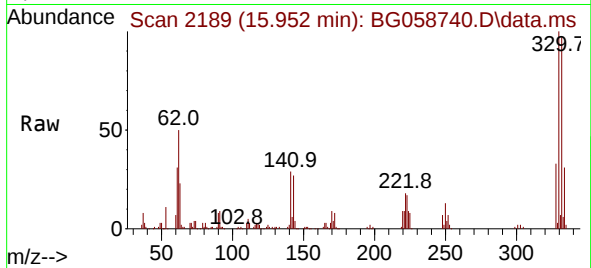




#67
4-Bromophenyl-phenylether
Concen: 4.315 ng
RT: 15.952 min Scan# 2189
Delta R.T. -0.444 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

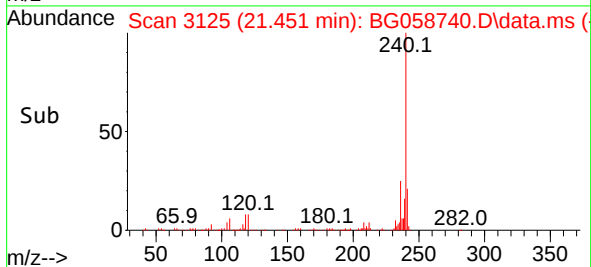
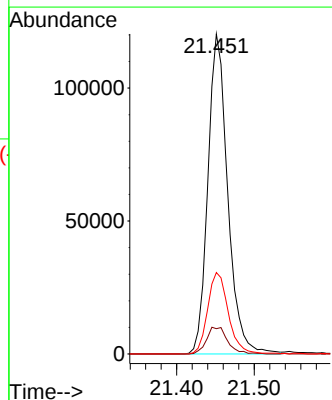
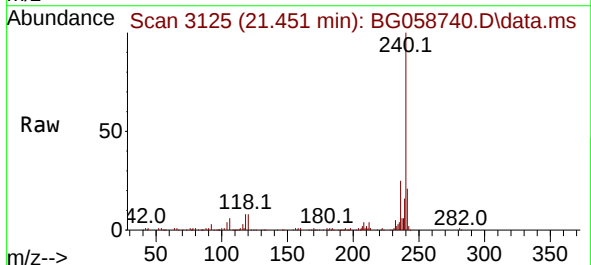
Instrument :
BNA_G
ClientSampleId :
PB154844BL

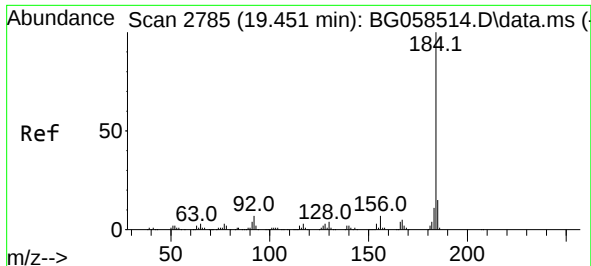
Tgt Ion:248 Resp: 11360
Ion Ratio Lower Upper
248 100
250 187.8 79.5 119.3#
141 424.2 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.451 min Scan# 3125
Delta R.T. 0.003 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

Tgt Ion:240 Resp: 213748
Ion Ratio Lower Upper
240 100
120 7.9 7.4 11.0
236 25.5 22.2 33.4

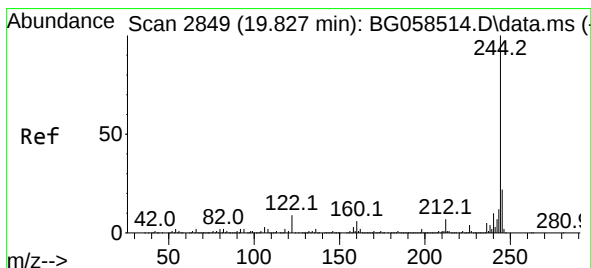
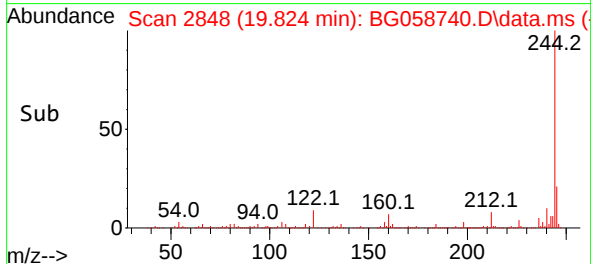
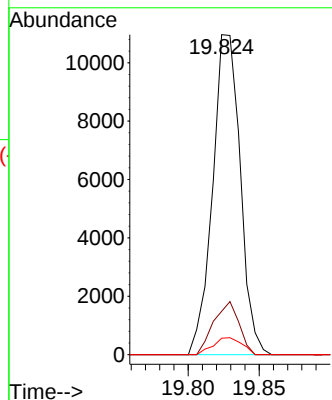
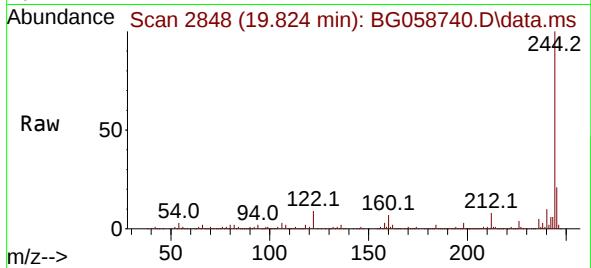




#77
Benzidine
Concen: 4.575 ng
RT: 19.824 min Scan# 21
Delta R.T. 0.373 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

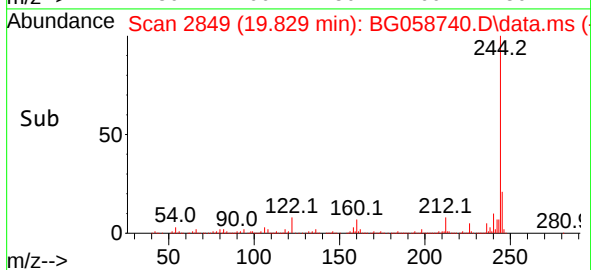
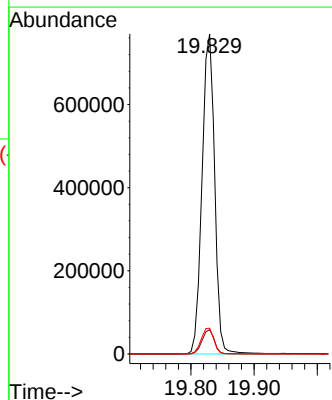
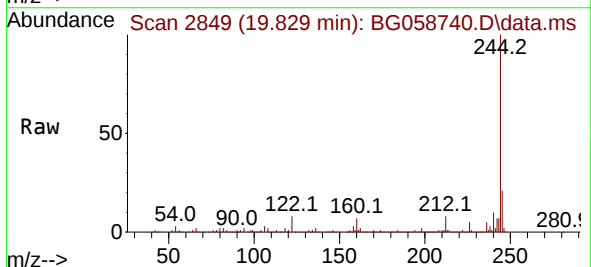
Instrument :
BNA_G
ClientSampleId :
PB154844BL

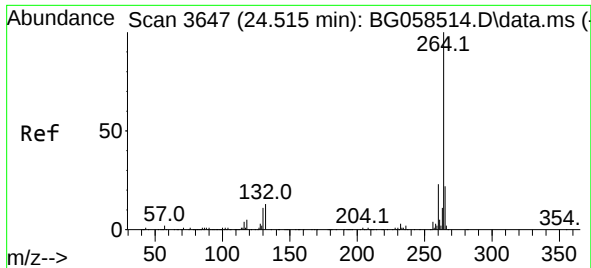
Tgt Ion:184 Resp: 14830
Ion Ratio Lower Upper
184 100
185 13.6 11.9 17.9
183 5.2 8.7 13.1#



#79
Terphenyl-d14
Concen: 93.756 ng
RT: 19.829 min Scan# 2849
Delta R.T. 0.003 min
Lab File: BG058740.D
Acq: 16 Aug 2023 9:14

Tgt Ion:244 Resp: 1065670
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 8.1 6.8 10.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.530 min Scan# 30
 Delta R.T. 0.015 min
 Lab File: BG058740.D
 Acq: 16 Aug 2023 9:14

Instrument :
 BNA_G
 ClientSampleId :
 PB154844BL

Tgt Ion:264 Resp: 259928
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.4 27.6
 265 21.4 17.9 26.9

