

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059841.D
 Acq On : 23 Nov 2023 7:14
 Operator : MA/JU
 Sample : 05432-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-8

Quant Time: Nov 23 07:51:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

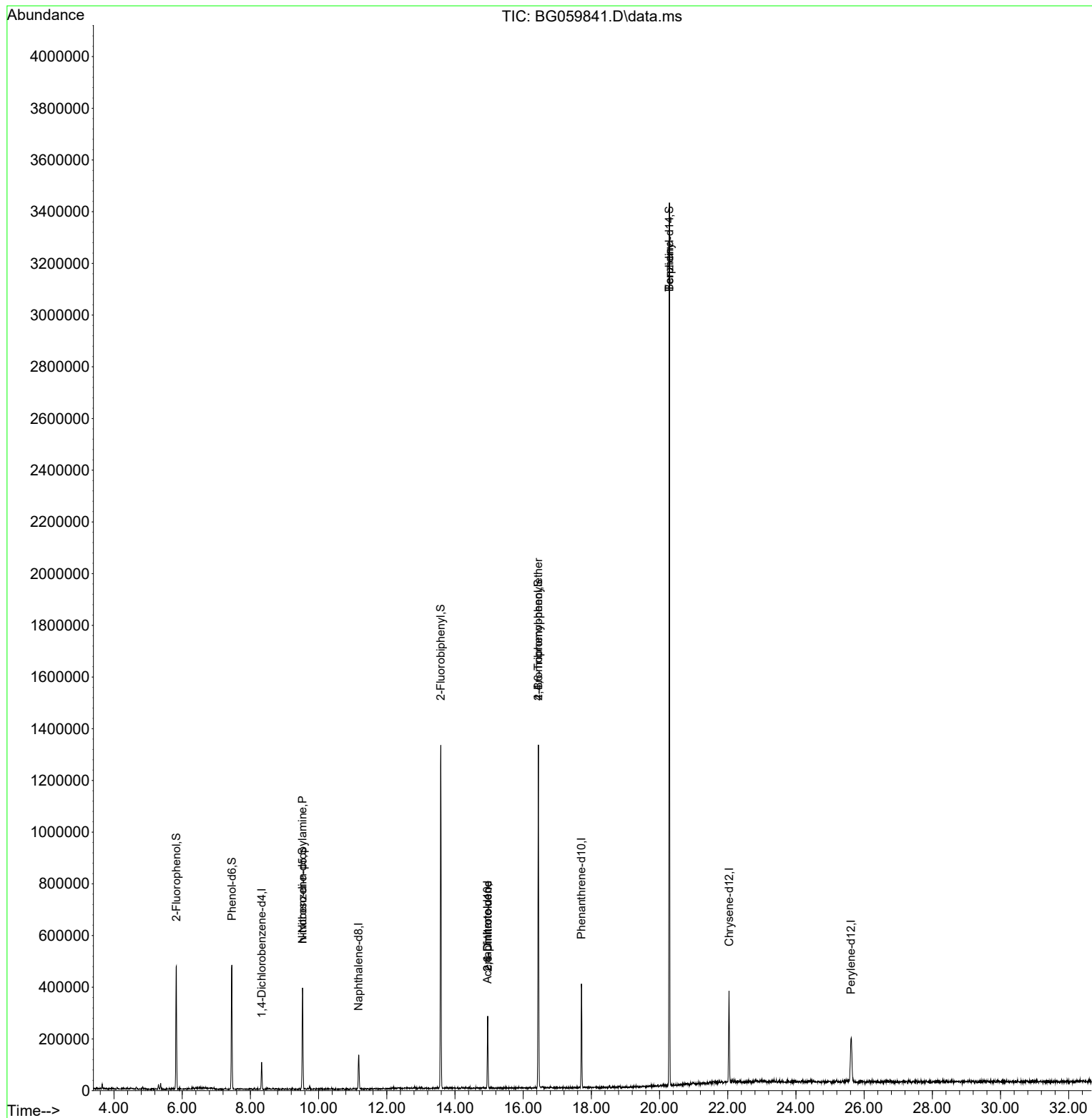
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.332	152	21667	20.000	ng	#-0.01
21) Naphthalene-d8	11.176	136	96034	20.000	ng	#-0.02
39) Acenaphthene-d10	14.954	164	86532	20.000	ng	-0.02
64) Phenanthrene-d10	17.709	188	215515	20.000	ng	#-0.01
76) Chrysene-d12	22.040	240	197396	20.000	ng	#-0.01
86) Perylene-d12	25.618	264	220340	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.829	112	166586	129.407	ng	0.00
7) Phenol-d6	7.457	99	212528	111.408	ng	0.00
23) Nitrobenzene-d5	9.531	82	240179	95.517	ng	-0.01
42) 2,4,6-Tribromophenol	16.446	330	176494	179.763	ng	-0.01
45) 2-Fluorobiphenyl	13.585	172	592546	92.173	ng	-0.01
79) Terphenyl-d14	20.289	244	1388419	103.834	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.531	70	39327	26.179	ng	# 75
51) 2,6-Dinitrotoluene	14.960	165	11221	8.821	ng	# 3
57) 2,4-Dinitrotoluene	14.960	165	11221	5.736	ng	# 6
67) 4-Bromophenyl-phenylether	16.446	248	14032	6.061	ng	# 1
77) Benzidine	20.289	184	40642	9.080	ng	# 89

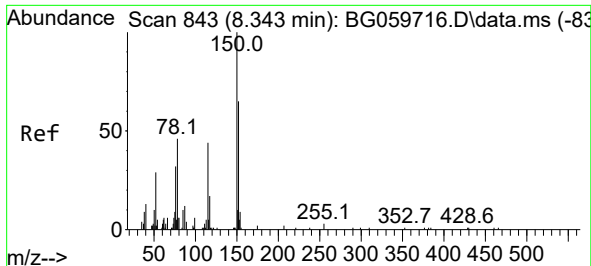
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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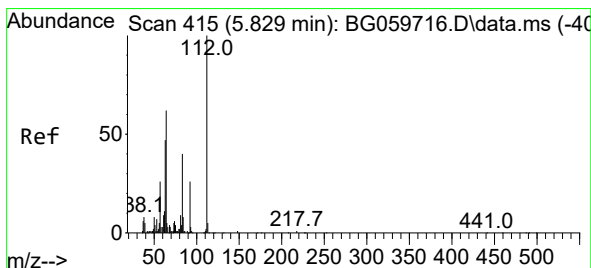
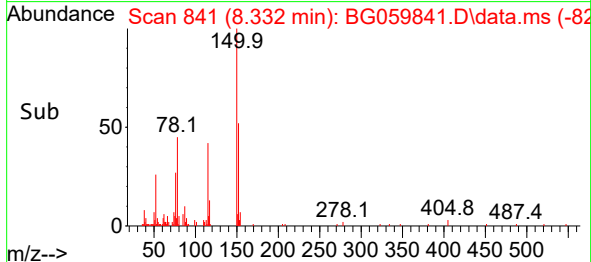
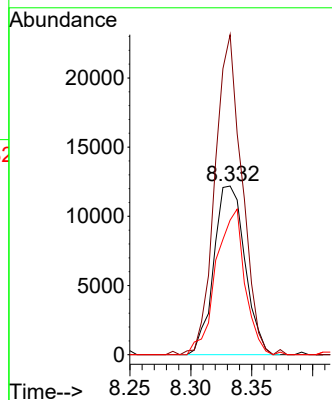
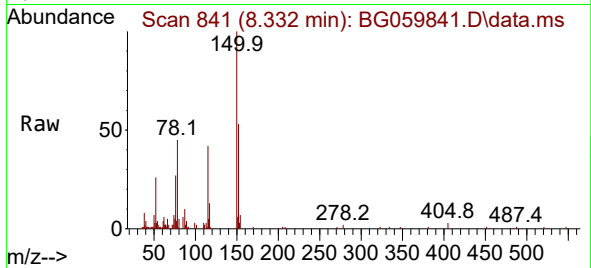




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.332 min Scan# 843
Delta R.T. -0.011 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

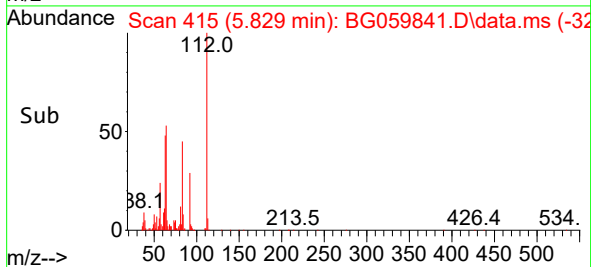
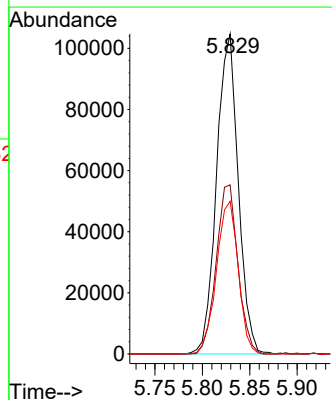
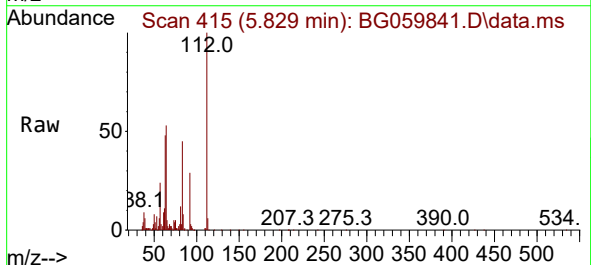
Instrument :
BNA_G
ClientSampleId :
TP-8

Tgt Ion:152 Resp: 21667
Ion Ratio Lower Upper
152 100
150 189.8 122.2 183.4#
115 79.8 54.2 81.4



#5
2-Fluorophenol
Concen: 129.407 ng
RT: 5.829 min Scan# 415
Delta R.T. 0.001 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

Tgt Ion:112 Resp: 166586
Ion Ratio Lower Upper
112 100
64 52.9 49.5 74.3
63 47.7 37.4 56.2

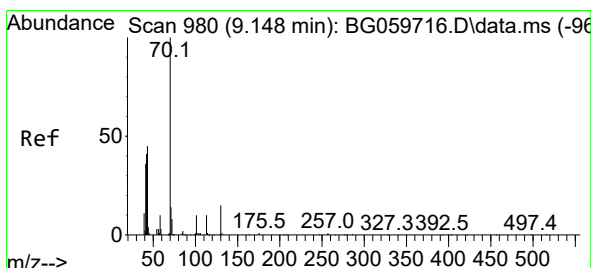
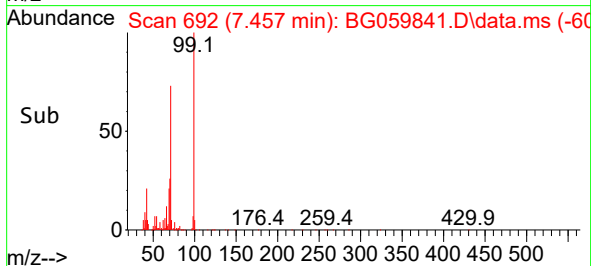
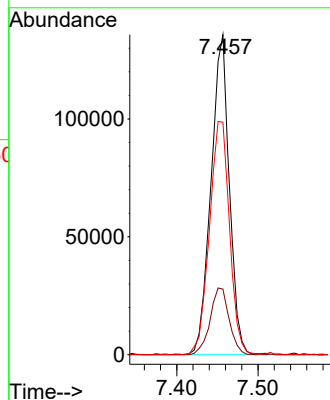
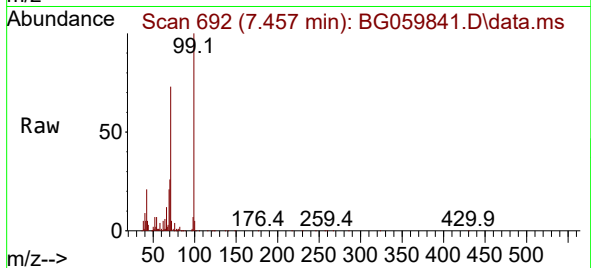




#7
Phenol-d6
Concen: 111.408 ng
RT: 7.457 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

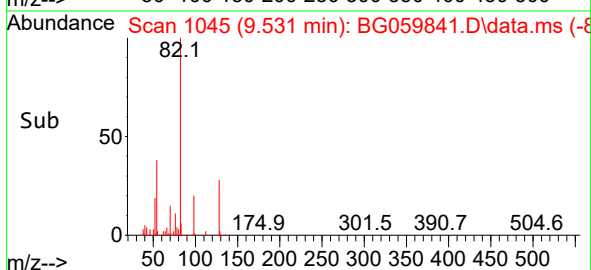
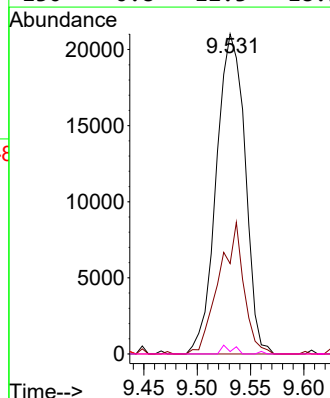
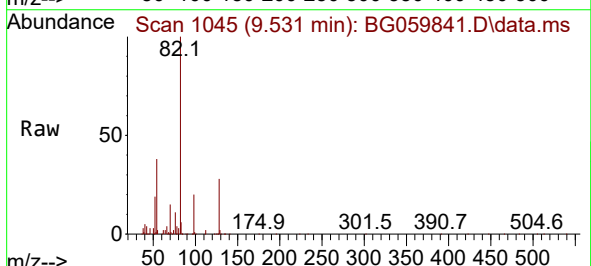
Instrument :
BNA_G
ClientSampleId :
TP-8

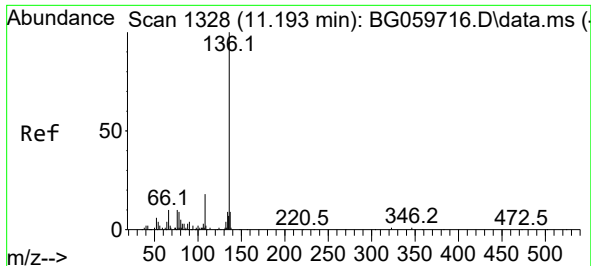
Tgt Ion: 99 Resp: 212528
Ion Ratio Lower Upper
99 100
42 20.5 14.3 21.5
71 72.6 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 26.179 ng
RT: 9.531 min Scan# 1045
Delta R.T. 0.382 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

Tgt Ion: 70 Resp: 39327
Ion Ratio Lower Upper
70 100
42 28.3 32.8 49.2#
101 0.0 7.7 11.5#
130 0.8 12.3 18.5#

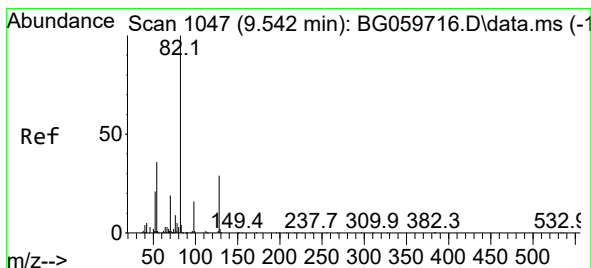
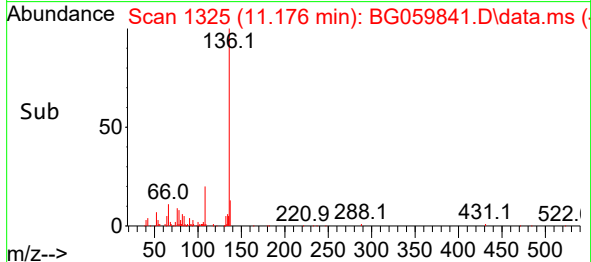
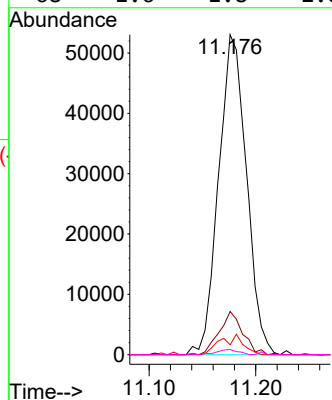
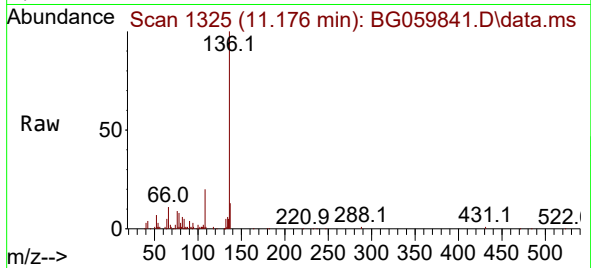




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.176 min Scan# 111
Delta R.T. -0.017 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

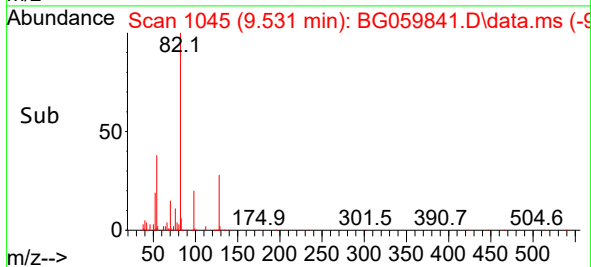
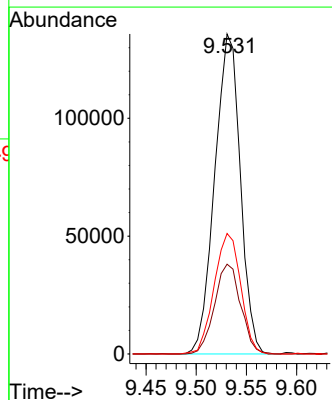
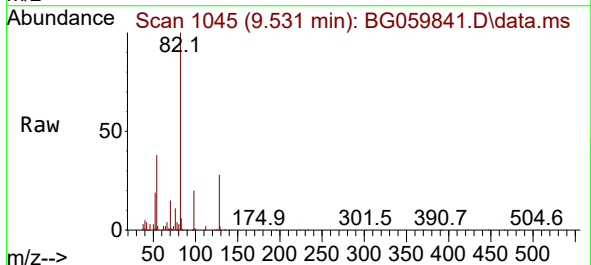
Instrument :
BNA_G
ClientSampleId :
TP-8

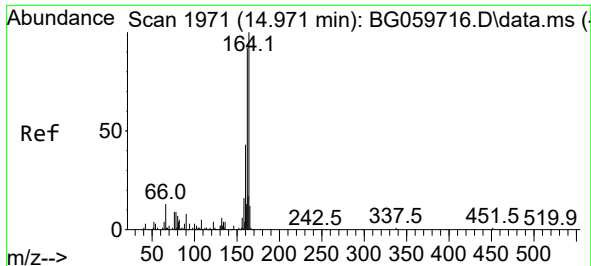
Tgt Ion:	136	Resp:	96034
Ion Ratio	Lower	Upper	
136	100		
137	13.5	7.4	11.0#
54	3.1	3.1	4.7#
68	1.6	1.8	2.8#



#23
Nitrobenzene-d5
Concen: 95.517 ng
RT: 9.531 min Scan# 1045
Delta R.T. -0.011 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

Tgt Ion:	82	Resp:	240179
Ion Ratio	Lower	Upper	
82	100		
128	28.1	23.0	34.6
54	37.7	28.7	43.1

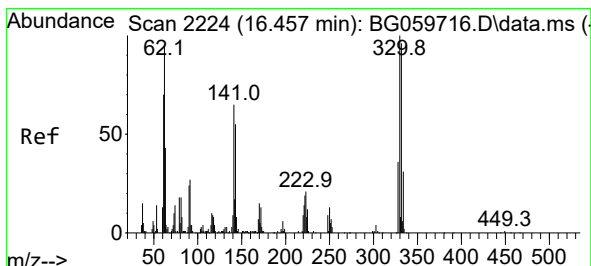
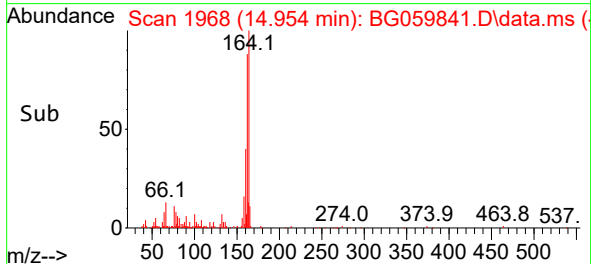
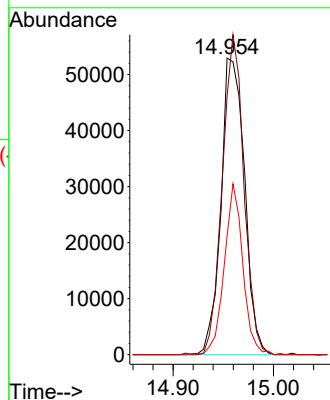
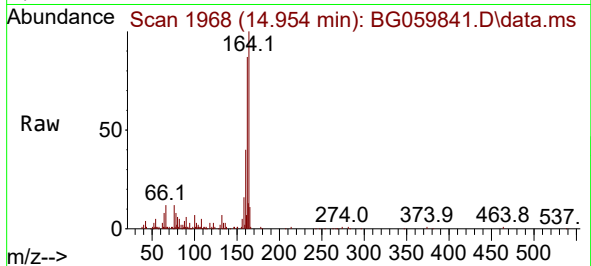




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.954 min Scan# 1968
Delta R.T. -0.017 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

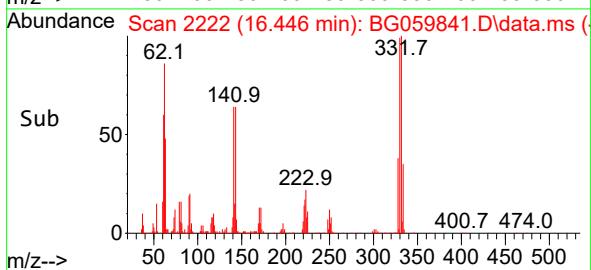
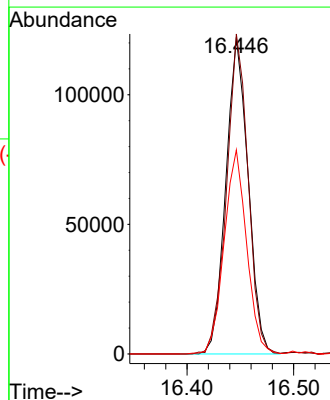
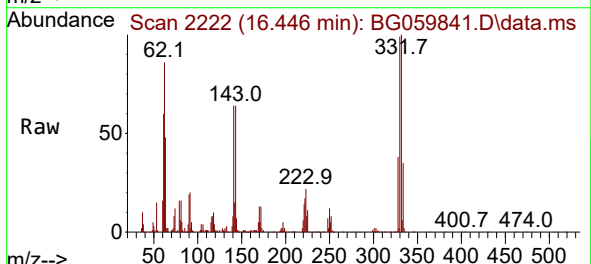
Instrument :
BNA_G
ClientSampleId :
TP-8

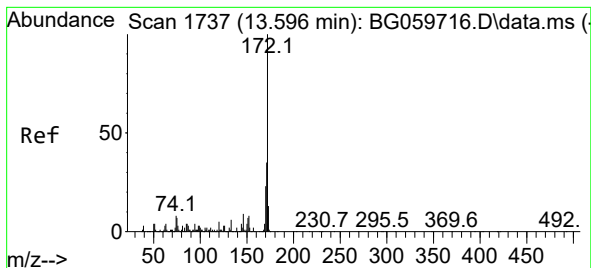
Tgt Ion:164 Resp: 86532
Ion Ratio Lower Upper
164 100
162 87.2 73.3 109.9
160 39.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 179.763 ng
RT: 16.446 min Scan# 2222
Delta R.T. -0.011 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

Tgt Ion:330 Resp: 176494
Ion Ratio Lower Upper
330 100
332 98.3 73.3 109.9
141 65.4 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 92.173 ng

RT: 13.585 min Scan# 1

Delta R.T. -0.011 min

Lab File: BG059841.D

Acq: 23 Nov 2023 7:14

Instrument :

BNA_G

ClientSampleId :

TP-8

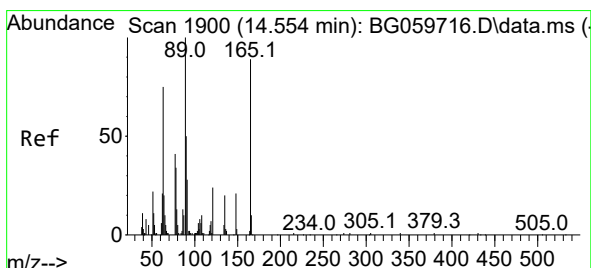
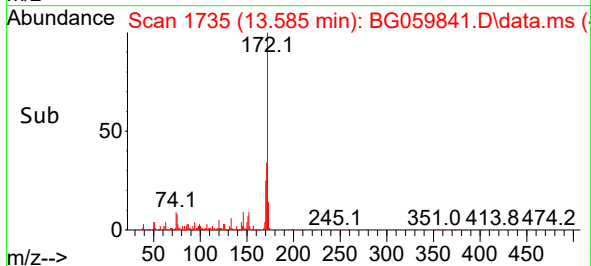
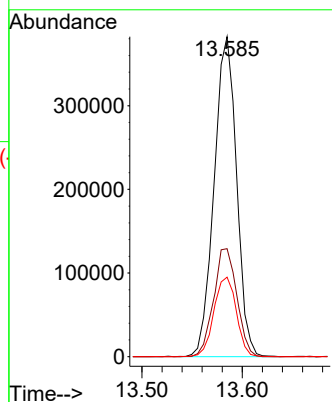
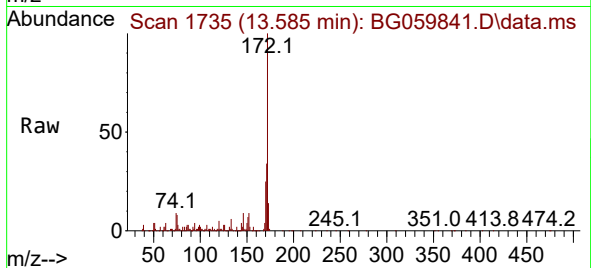
Tgt Ion:172 Resp: 592546

Ion Ratio Lower Upper

172 100

171 33.8 27.7 41.5

170 24.8 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 8.821 ng

RT: 14.960 min Scan# 1969

Delta R.T. 0.406 min

Lab File: BG059841.D

Acq: 23 Nov 2023 7:14

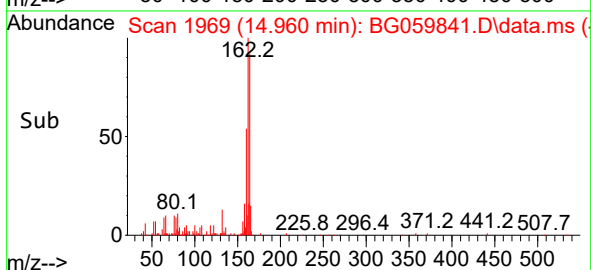
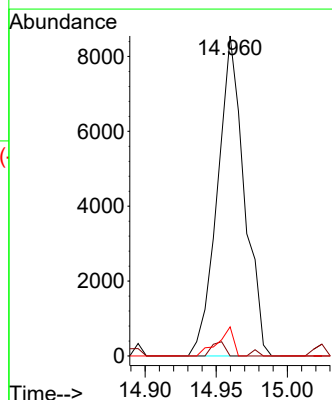
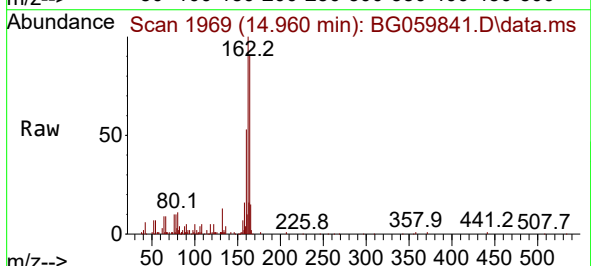
Tgt Ion:165 Resp: 11221

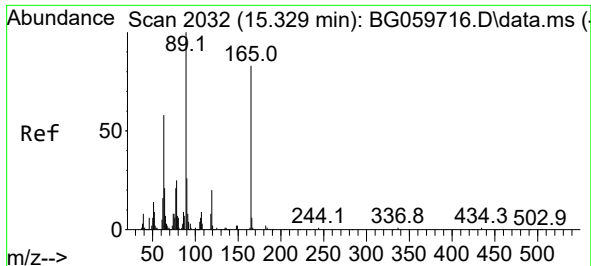
Ion Ratio Lower Upper

165 100

63 0.0 75.3 112.9#

89 9.1 90.9 136.3#

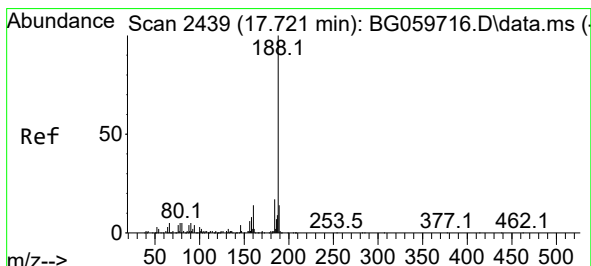
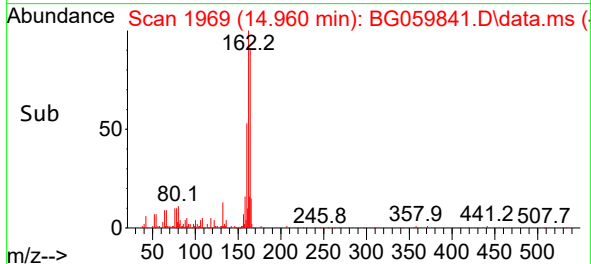
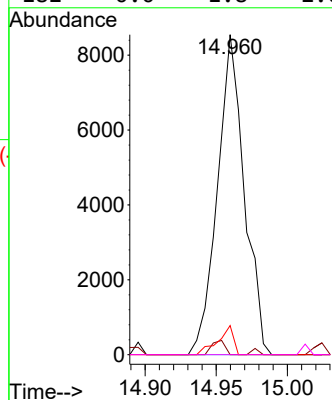
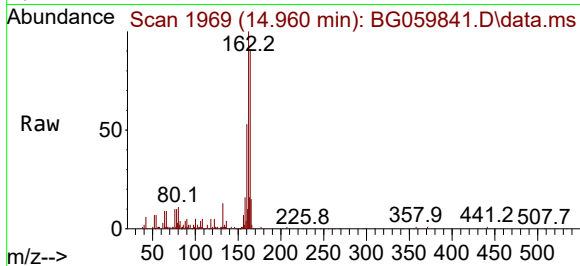




#57
2,4-Dinitrotoluene
Concen: 5.736 ng
RT: 14.960 min Scan# 1969
Delta R.T. -0.370 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

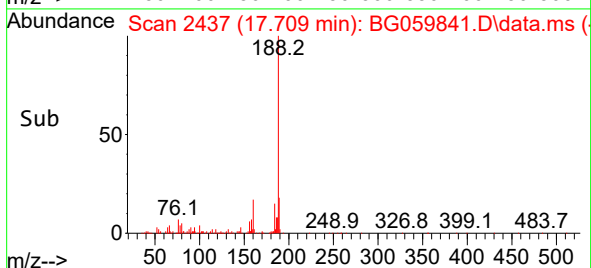
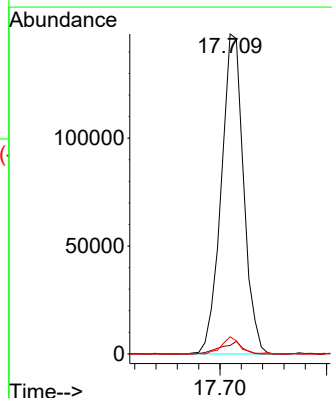
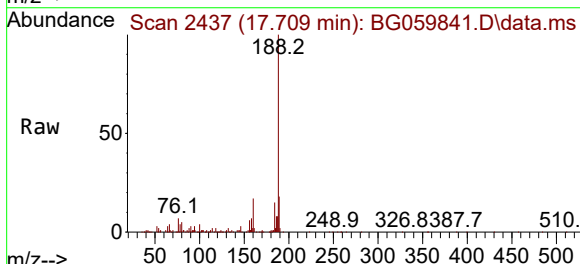
Instrument :
BNA_G
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TP-8

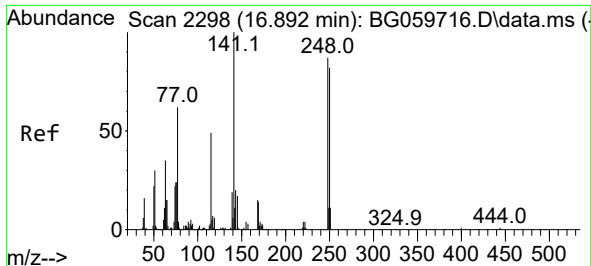
Tgt Ion:165 Resp: 11221
Ion Ratio Lower Upper
165 100
63 0.0 55.8 83.8#
89 9.1 96.9 145.3#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.709 min Scan# 2437
Delta R.T. -0.011 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

Tgt Ion:188 Resp: 215515
Ion Ratio Lower Upper
188 100
94 2.7 3.0 4.4#
80 5.4 4.2 6.4

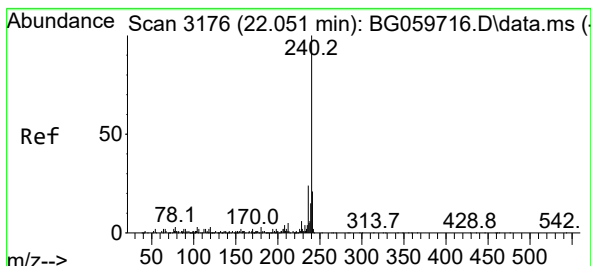
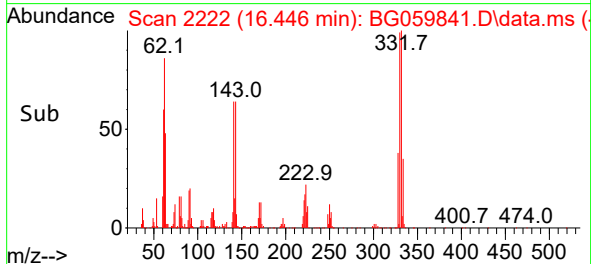
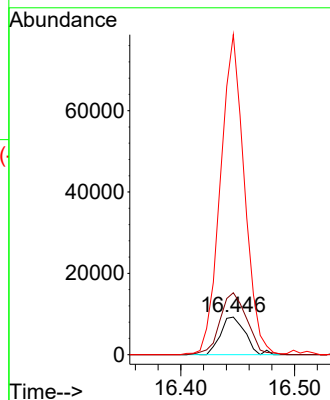
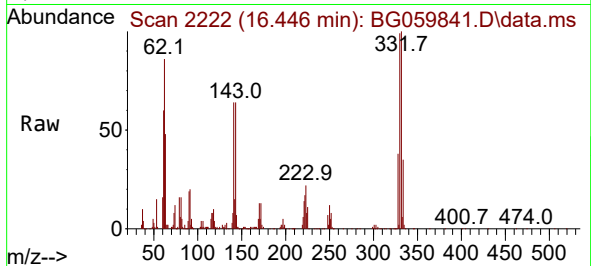




#67
4-Bromophenyl-phenylether
Concen: 6.061 ng
RT: 16.446 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

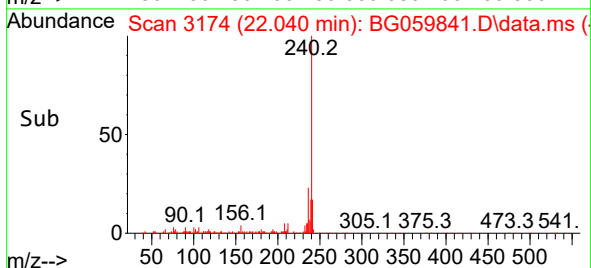
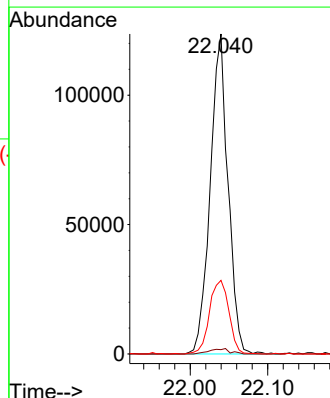
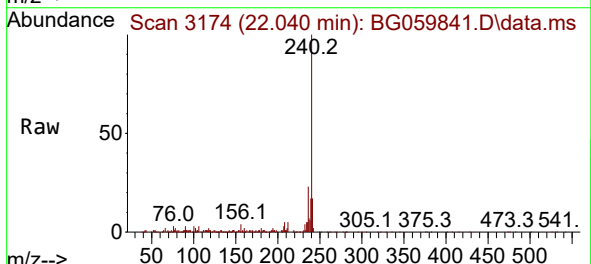
Instrument :
BNA_G
ClientSampleId :
TP-8

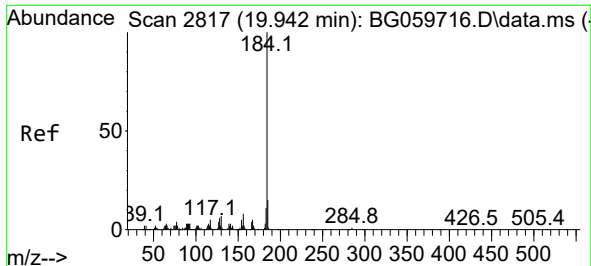
Tgt Ion:248 Resp: 14032
Ion Ratio Lower Upper
248 100
250 164.5 75.2 112.8#
141 851.0 91.5 137.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.040 min Scan# 3174
Delta R.T. -0.011 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

Tgt Ion:240 Resp: 197396
Ion Ratio Lower Upper
240 100
120 1.3 2.2 3.2#
236 23.0 19.4 29.2

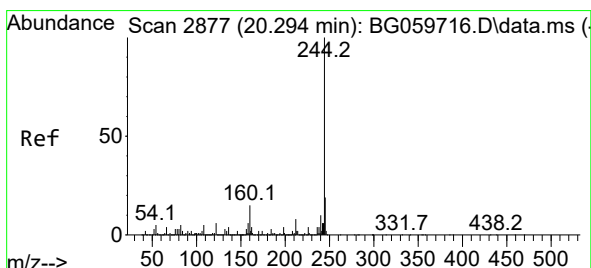
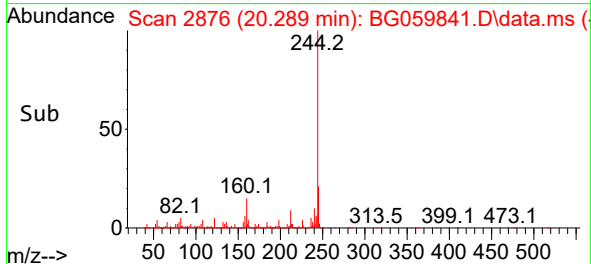
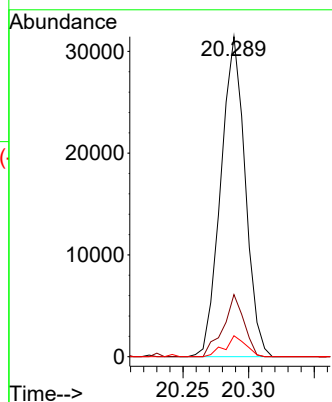
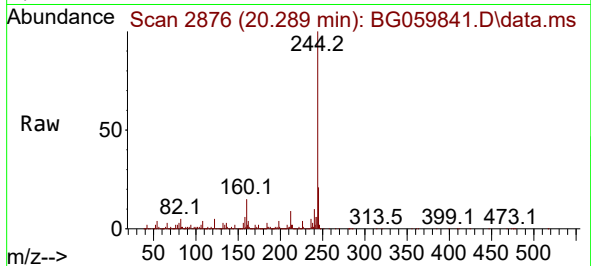




#77
Benzidine
Concen: 9.080 ng
RT: 20.289 min Scan# 2876
Delta R.T. 0.347 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

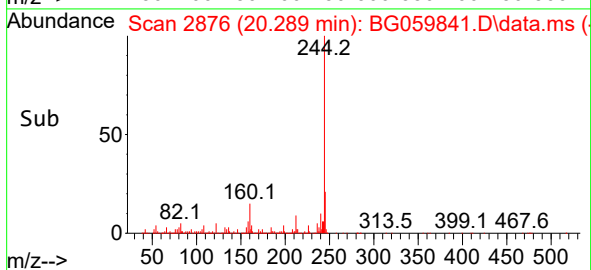
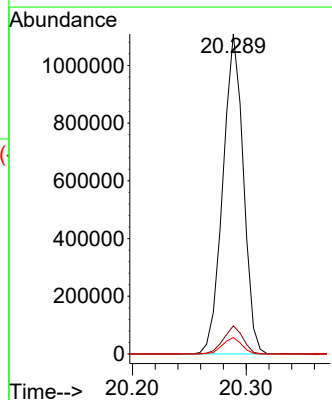
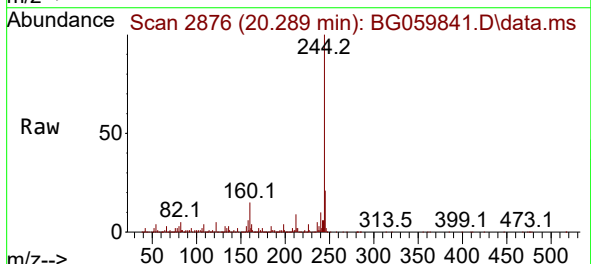
Instrument :
BNA_G
ClientSampleId :
TP-8

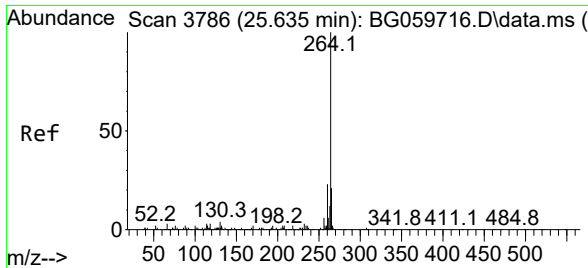
Tgt Ion:184 Resp: 40642
Ion Ratio Lower Upper
184 100
185 19.4 12.2 18.2#
183 6.5 8.8 13.2#



#79
Terphenyl-d14
Concen: 103.834 ng
RT: 20.289 min Scan# 2876
Delta R.T. -0.005 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

Tgt Ion:244 Resp: 1388419
Ion Ratio Lower Upper
244 100
212 8.8 6.6 10.0
122 5.2 4.4 6.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.618 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG059841.D
Acq: 23 Nov 2023 7:14

Instrument :
BNA_G
ClientSampleId :
TP-8

Tgt Ion:	264	Resp:	220340
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.2	17.0	25.6

