

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101821\
 Data File : BG050622.D
 Acq On : 18 Oct 2021 18:12
 Operator : CG/JU
 Sample : M4251-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RR-54

Quant Time: Oct 19 02:36:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

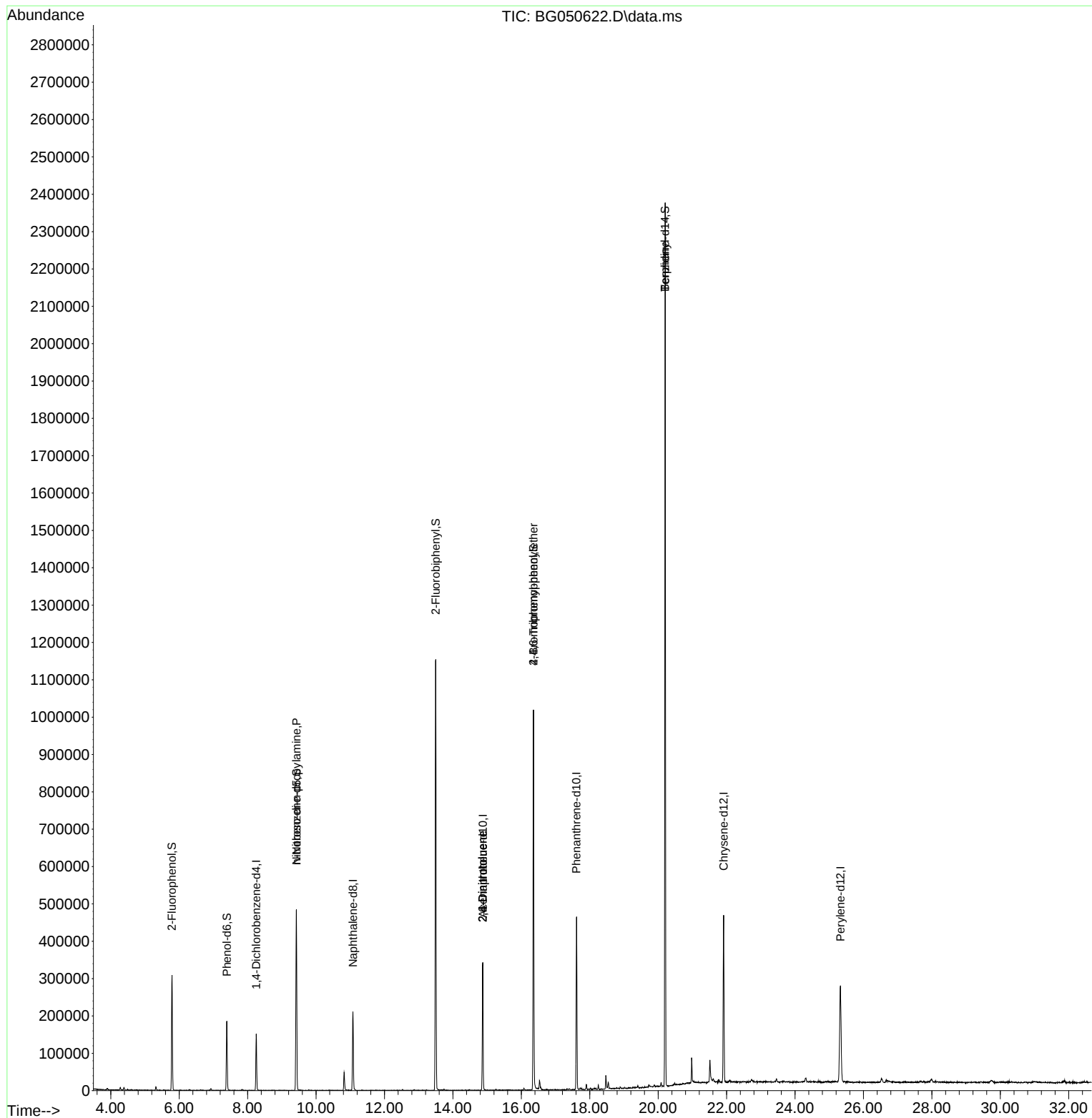
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.252	152	38462	20.000	ng	0.00
21) Naphthalene-d8	11.078	136	168095	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	119755	20.000	ng	0.00
64) Phenanthrene-d10	17.612	188	292029	20.000	ng	# 0.00
76) Chrysene-d12	21.912	240	269205	20.000	ng	#-0.01
86) Perylene-d12	25.326	264	260298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.790	112	131259	51.038	ng	0.00
7) Phenol-d6	7.394	99	106858	28.698	ng	0.00
23) Nitrobenzene-d5	9.427	82	320800	79.002	ng	0.00
42) 2,4,6-Tribromophenol	16.354	330	148526	130.029	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	601408	75.583	ng	0.00
79) Terphenyl-d14	20.203	244	1045068	75.654	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.377	77	264	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.427	70	44564	16.420	ng	# 70
51) 2,6-Dinitrotoluene	14.868	165	15338	8.460	ng	# 13
57) 2,4-Dinitrotoluene	14.868	165	15338	6.002	ng	# 18
67) 4-Bromophenyl-phenylether	16.354	248	12440	4.227	ng	# 1
77) Benzidine	20.203	184	21208	2.431	ng	# 89

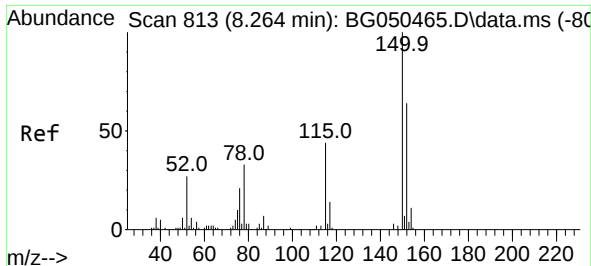
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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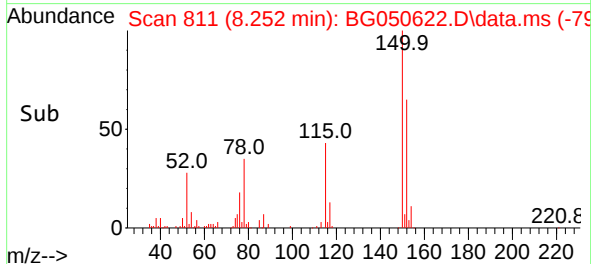
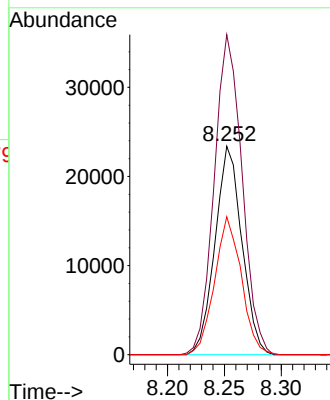
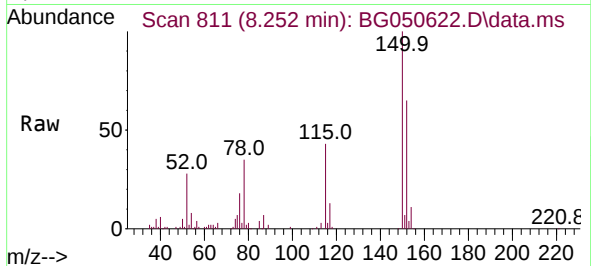




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.252 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

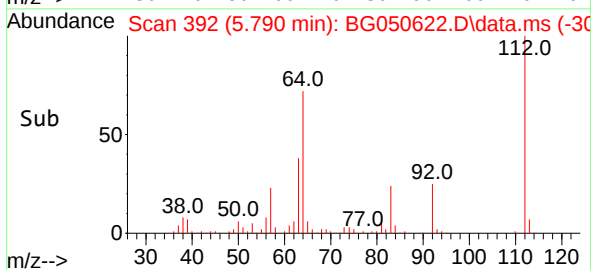
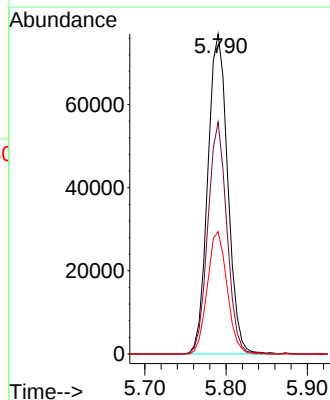
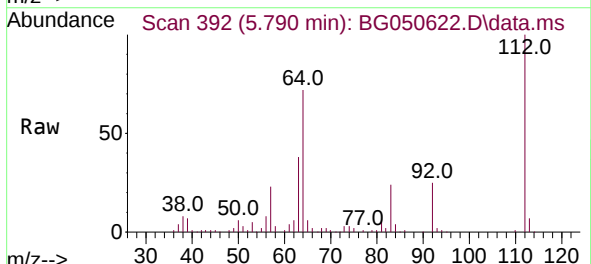
Instrument :
BNA_G
ClientSampleId :
RR-54

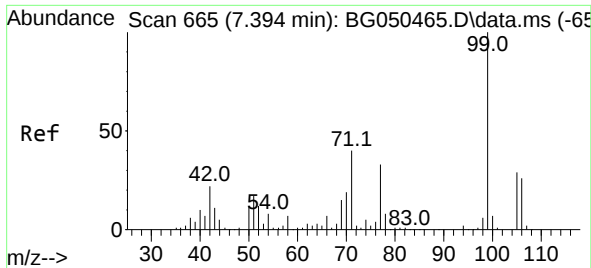
Tgt Ion:152 Resp: 38462
Ion Ratio Lower Upper
152 100
150 153.5 119.4 179.0
115 66.2 60.2 90.4



#5
2-Fluorophenol
Concen: 51.038 ng
RT: 5.790 min Scan# 392
Delta R.T. -0.001 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

Tgt Ion:112 Resp: 131259
Ion Ratio Lower Upper
112 100
64 72.4 46.7 70.1#
63 38.3 35.3 52.9

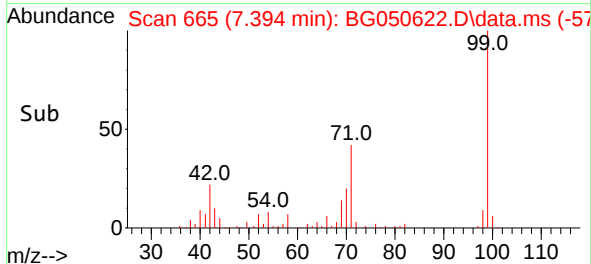
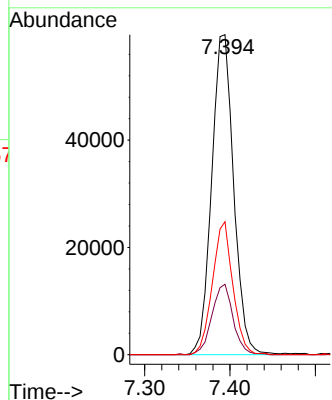
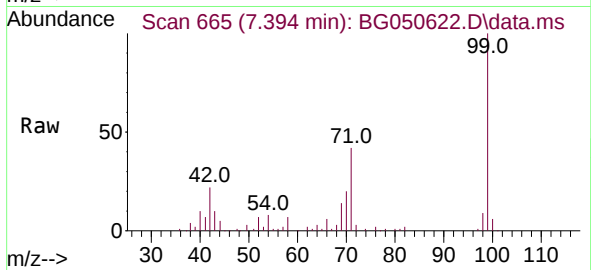




#7
Phenol-d6
Concen: 28.698 ng
RT: 7.394 min Scan# 665
Delta R.T. -0.006 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

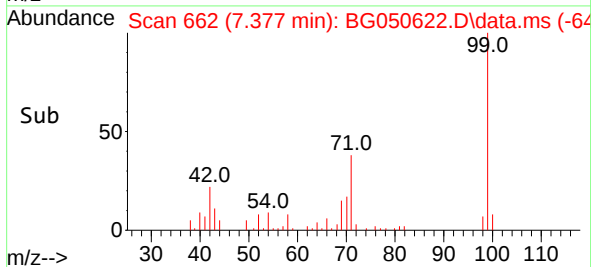
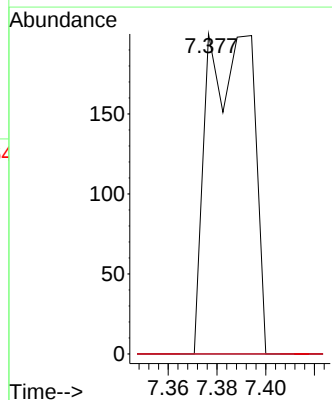
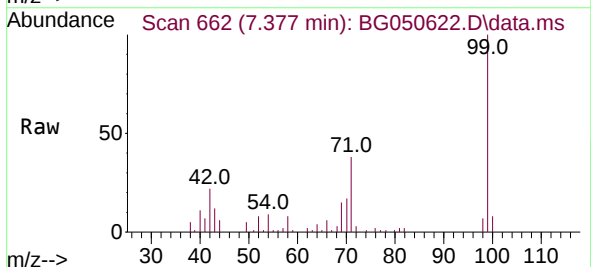
Instrument :
BNA_G
ClientSampled :
RR-54

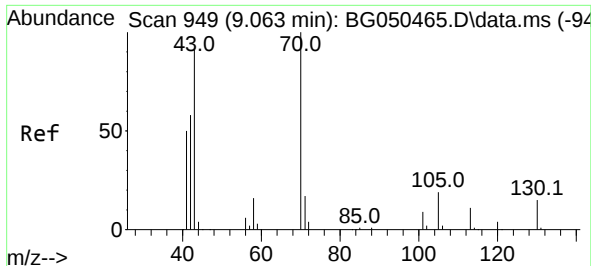
Tgt Ion: 99 Resp: 106858
Ion Ratio Lower Upper
99 100
42 22.0 20.5 30.7
71 41.6 41.5 62.3



#9
Benzaldehyde
Concen: Below Cal
RT: 7.377 min Scan# 662
Delta R.T. -0.012 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

Tgt Ion: 77 Resp: 264
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

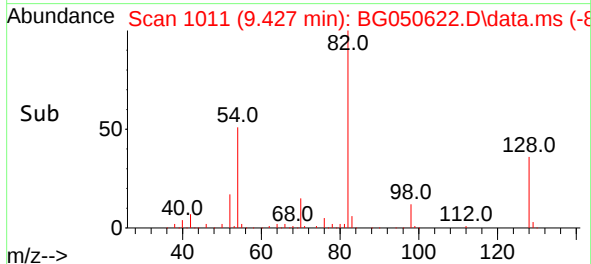
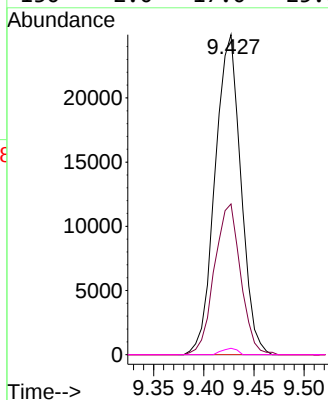
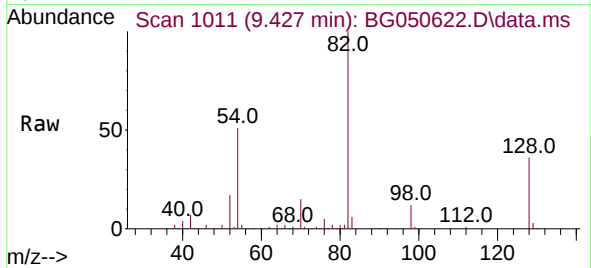




#19
n-Nitroso-di-n-propylamine
Concen: 16.420 ng
RT: 9.427 min Scan# 1011
Delta R.T. 0.370 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

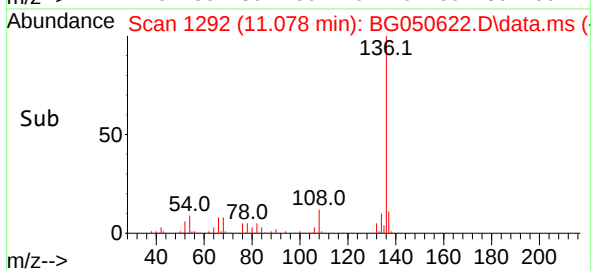
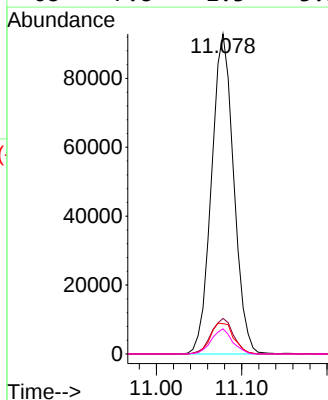
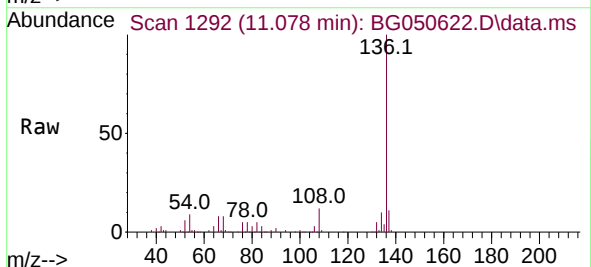
Instrument :
BNA_G
ClientSampled :
RR-54

Tgt Ion: 70 Resp: 44564
Ion Ratio Lower Upper
70 100
42 47.1 54.5 81.7#
101 0.0 9.0 13.6#
130 2.0 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.078 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

Tgt Ion:136 Resp: 168095
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.2
54 9.5 5.5 8.3#
68 7.8 2.3 3.5#

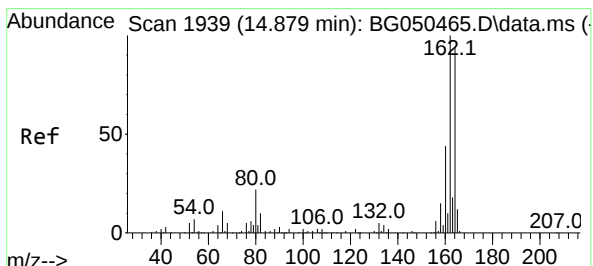
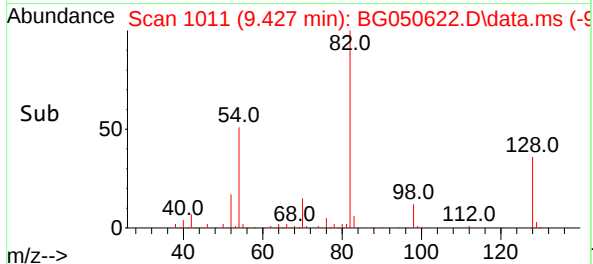
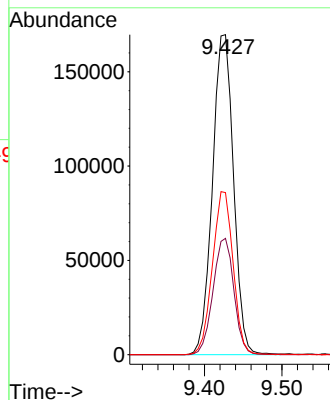
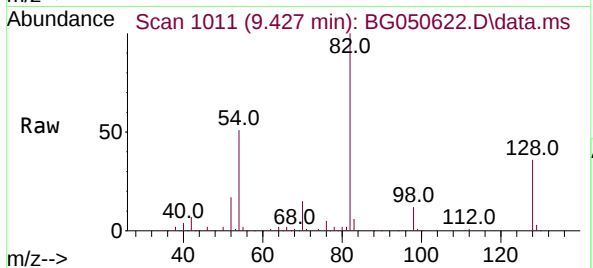




#23
Nitrobenzene-d5
Concen: 79.002 ng
RT: 9.427 min Scan# 1011
Delta R.T. -0.001 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

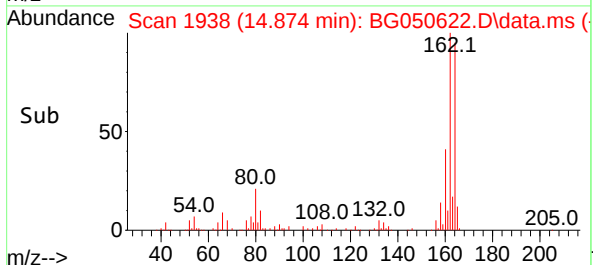
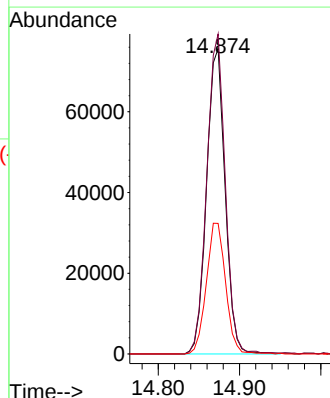
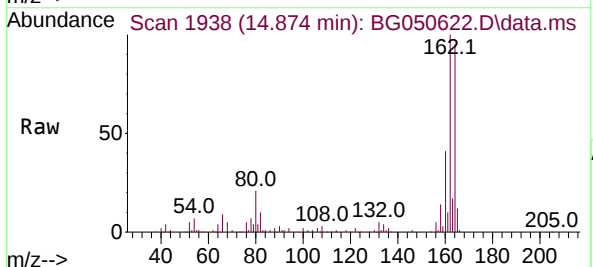
Instrument :
BNA_G
ClientSampleId :
RR-54

Tgt Ion: 82 Resp: 320800
Ion Ratio Lower Upper
82 100
128 36.3 29.8 44.6
54 50.7 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

Tgt Ion:164 Resp: 119755
Ion Ratio Lower Upper
164 100
162 104.8 81.4 122.0
160 42.8 34.9 52.3

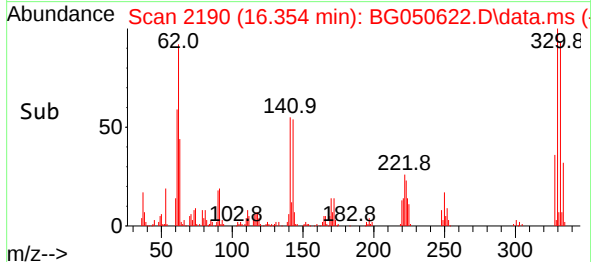
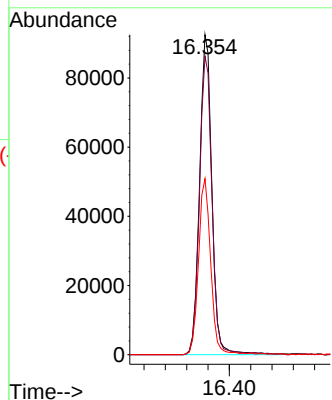
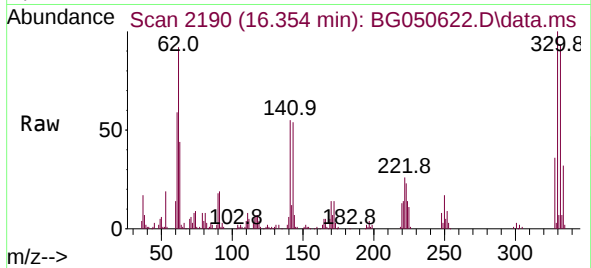




#42
2,4,6-Tribromophenol
Concen: 130.029 ng
RT: 16.354 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

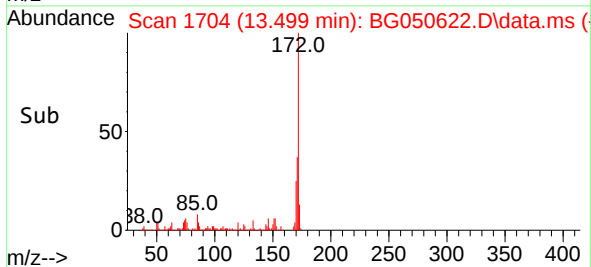
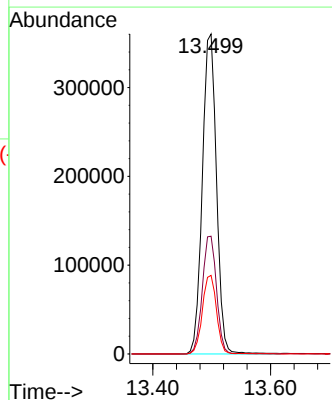
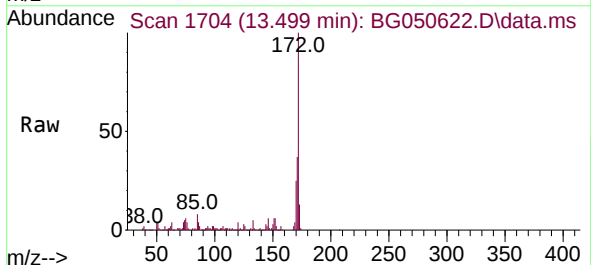
Instrument :
BNA_G
ClientSampleId :
RR-54

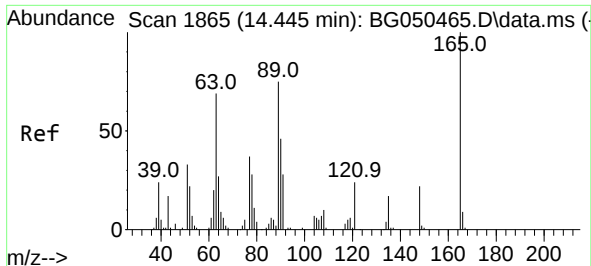
Tgt Ion:330 Resp: 148526
Ion Ratio Lower Upper
330 100
332 94.1 77.3 115.9
141 54.1 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 75.583 ng
RT: 13.499 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

Tgt Ion:172 Resp: 601408
Ion Ratio Lower Upper
172 100
171 36.8 28.6 43.0
170 24.5 18.6 27.8

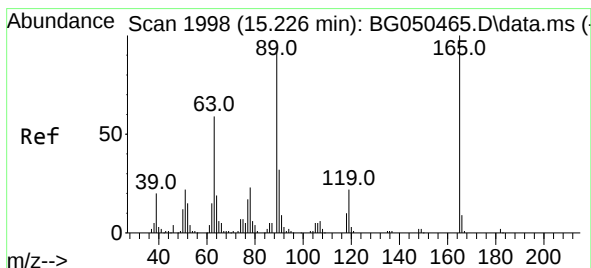
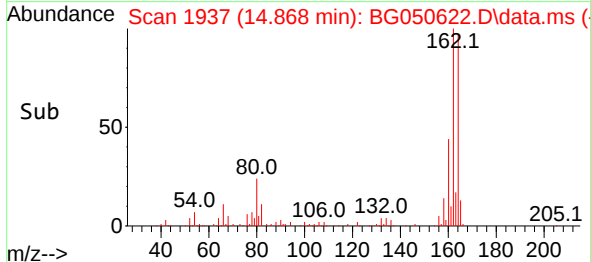
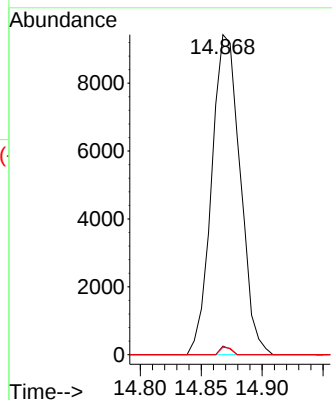
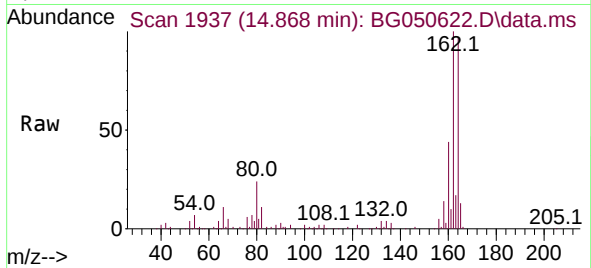




#51
2,6-Dinitrotoluene
Concen: 8.460 ng
RT: 14.868 min Scan# 1937
Delta R.T. 0.423 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

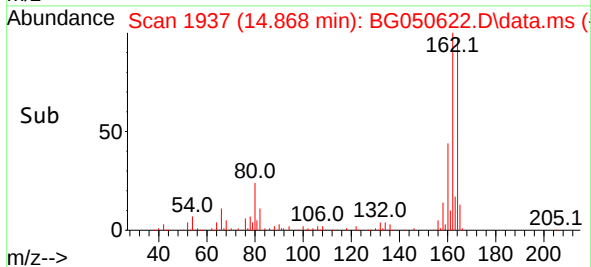
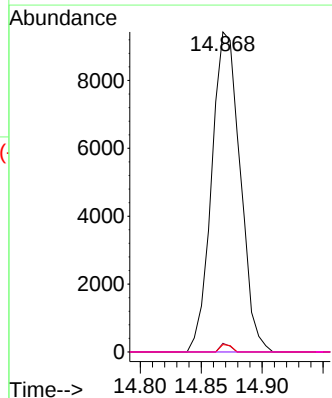
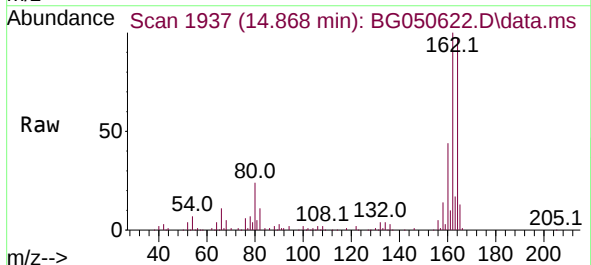
Instrument :
BNA_G
ClientSampled :
RR-54

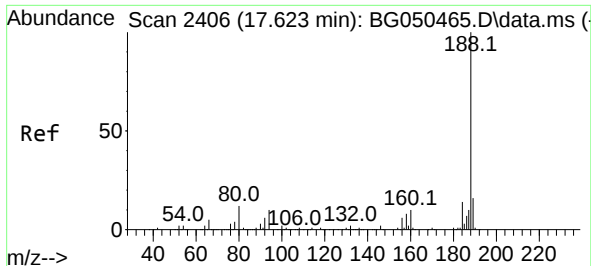
Tgt Ion:165 Resp: 15338
Ion Ratio Lower Upper
165 100
63 2.7 63.3 94.9#
89 2.3 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.002 ng
RT: 14.868 min Scan# 1937
Delta R.T. -0.359 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

Tgt Ion:165 Resp: 15338
Ion Ratio Lower Upper
165 100
63 2.7 48.0 72.0#
89 2.3 65.4 98.0#
182 0.0 2.0 3.0#

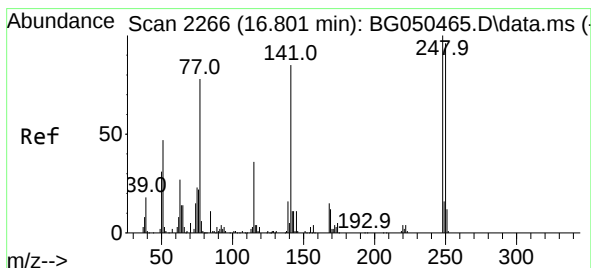
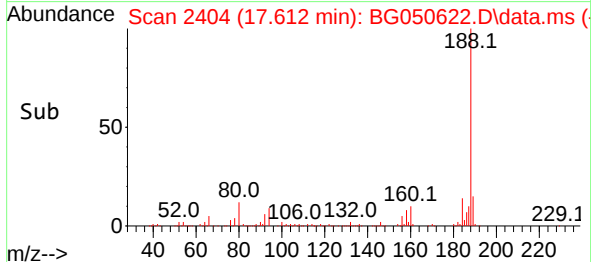
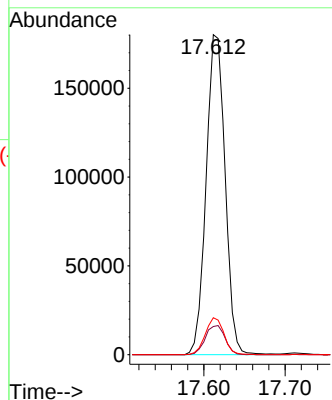
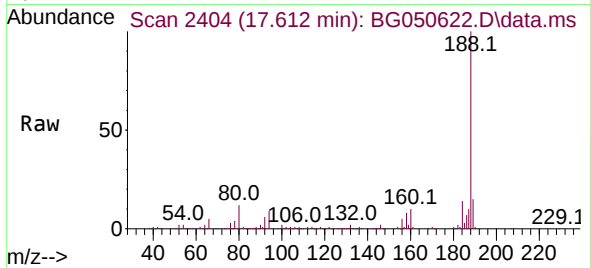




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.612 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

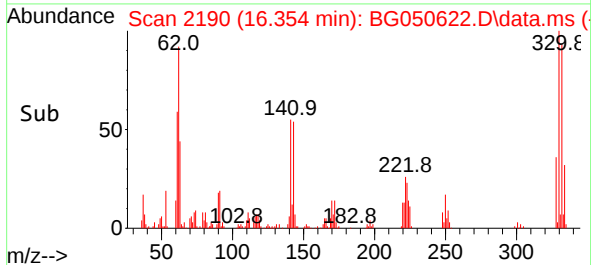
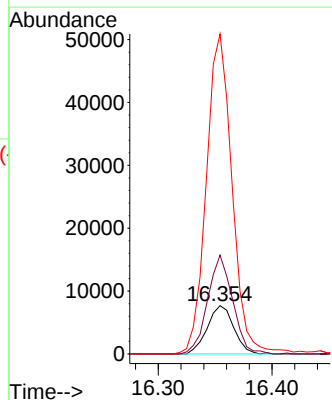
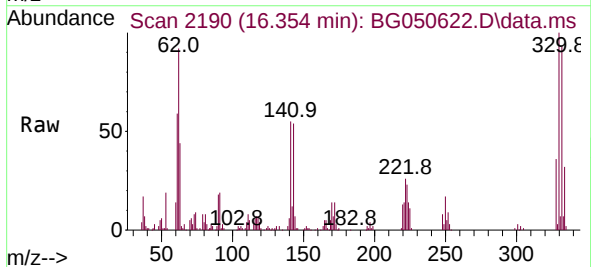
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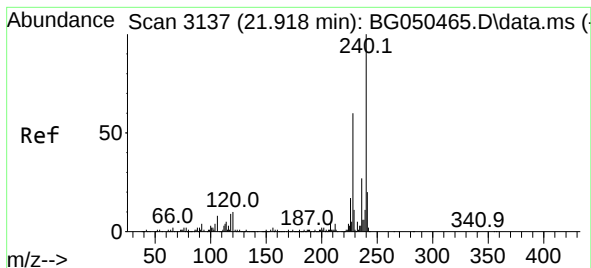
Tgt Ion:188 Resp: 292029
Ion Ratio Lower Upper
188 100
94 8.8 5.4 8.0#
80 11.6 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.227 ng
RT: 16.354 min Scan# 2190
Delta R.T. -0.447 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

Tgt Ion:248 Resp: 12440
Ion Ratio Lower Upper
248 100
250 204.8 76.1 114.1#
141 662.7 65.4 98.2#

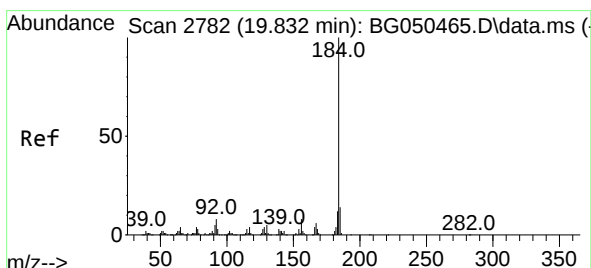
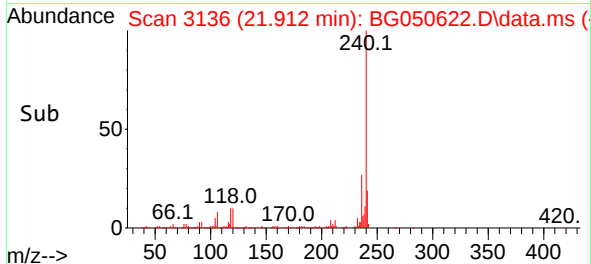
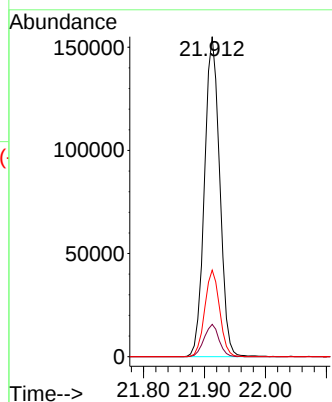
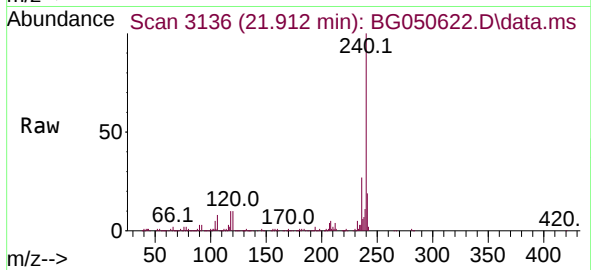




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.912 min Scan# 3136
Delta R.T. -0.012 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

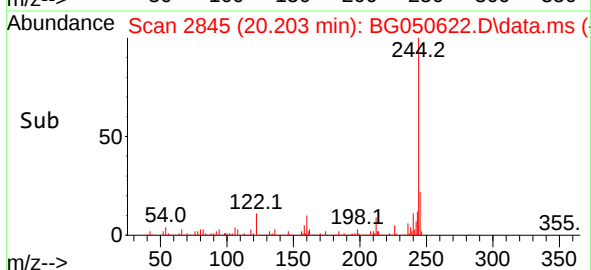
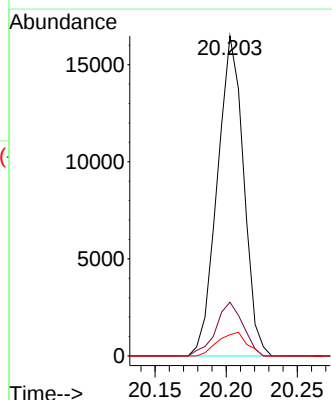
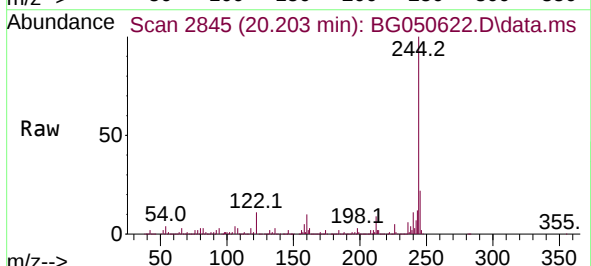
Instrument :
BNA_G
ClientSampleId :
RR-54

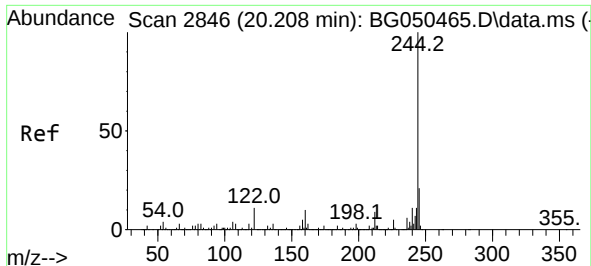
Tgt Ion:240 Resp: 269205
Ion Ratio Lower Upper
240 100
120 10.1 4.2 6.2#
236 27.1 21.8 32.6



#77
Benzidine
Concen: 2.431 ng
RT: 20.203 min Scan# 2845
Delta R.T. 0.370 min
Lab File: BG050622.D
Acq: 18 Oct 2021 18:12

Tgt Ion:184 Resp: 21208
Ion Ratio Lower Upper
184 100
185 16.8 10.7 16.1#
183 6.7 9.4 14.0#

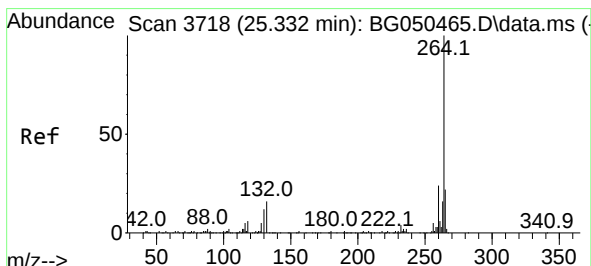
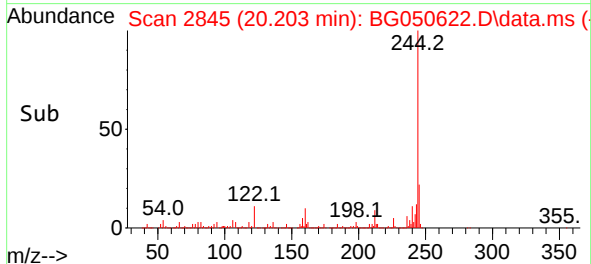
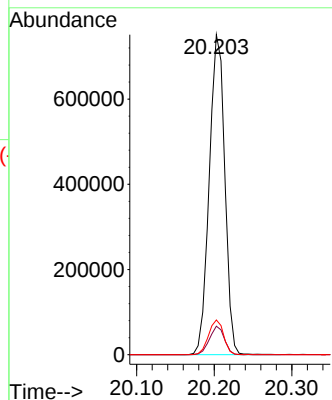
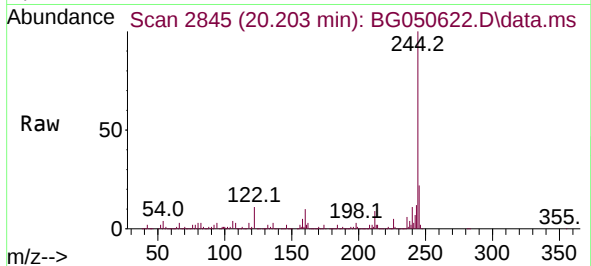




#79
 Terphenyl-d14
 Concen: 75.654 ng
 RT: 20.203 min Scan# 2845
 Delta R.T. -0.006 min
 Lab File: BG050622.D
 Acq: 18 Oct 2021 18:12

Instrument :
 BNA_G
 ClientSampleId :
 RR-54

Tgt Ion:244 Resp: 1045068
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.9 10.3
 122 10.9 5.0 7.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.326 min Scan# 3717
 Delta R.T. -0.006 min
 Lab File: BG050622.D
 Acq: 18 Oct 2021 18:12

Tgt Ion:264 Resp: 260298
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.4 29.2
 265 20.9 16.9 25.3

