

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100721\
 Data File : BG050494.D
 Acq On : 7 Oct 2021 22:32
 Operator : CG/JU
 Sample : M4118-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-100621-02

Quant Time: Oct 08 05:46:38 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 15:51:01 2021
 Response via : Initial Calibration

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

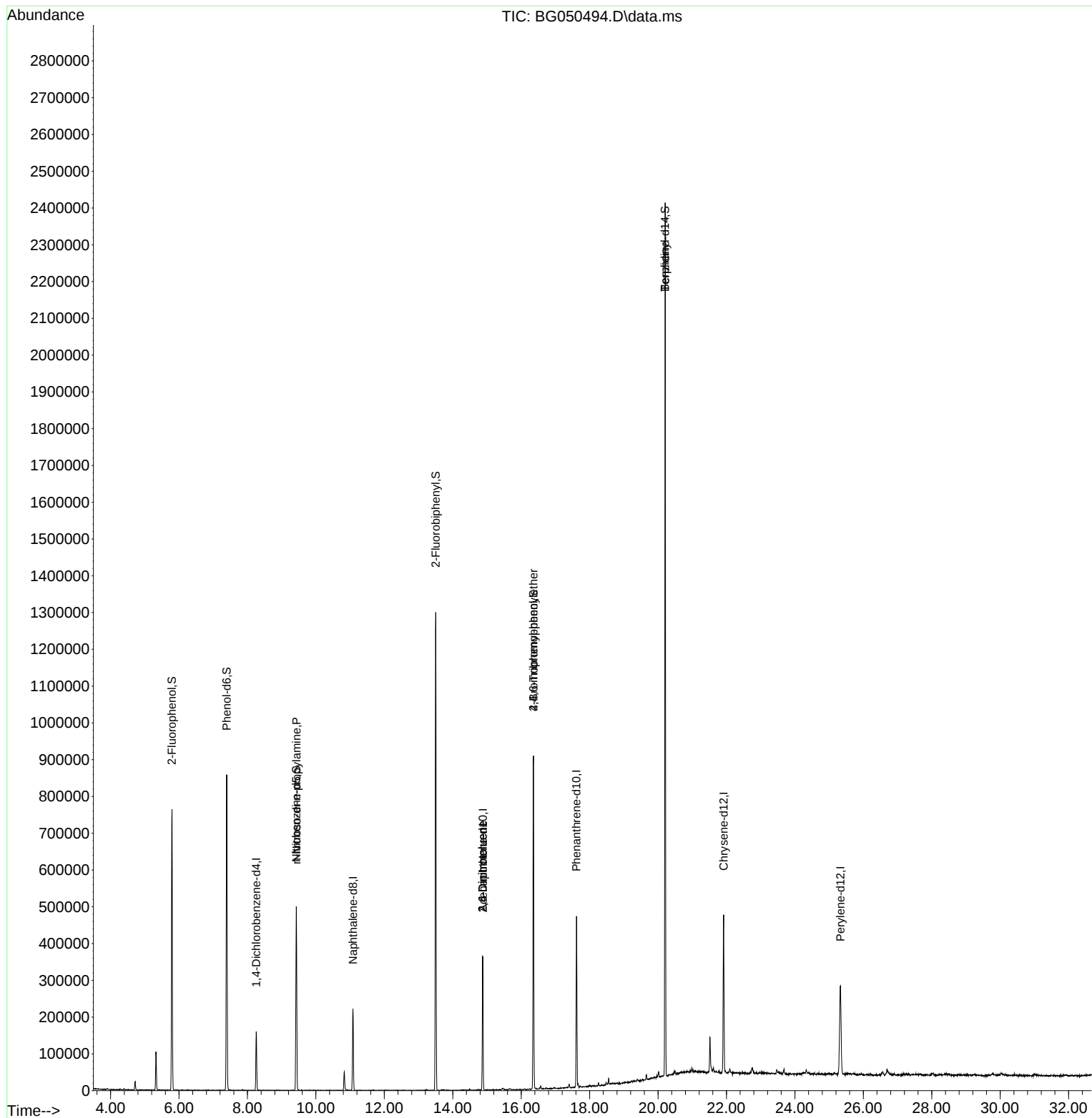
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.256	152	41255	20.000	ng	0.00
21) Naphthalene-d8	11.082	136	178056	20.000	ng	# 0.00
39) Acenaphthene-d10	14.878	164	125585	20.000	ng	0.00
64) Phenanthrene-d10	17.616	188	286647	20.000	ng	# 0.00
76) Chrysene-d12	21.916	240	257465	20.000	ng	# 0.00
86) Perylene-d12	25.330	264	252468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.794	112	314314	113.942	ng	0.00
7) Phenol-d6	7.392	99	466532	116.812	ng	0.00
23) Nitrobenzene-d5	9.425	82	327132	76.054	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	127778	106.672	ng	0.00
45) 2-Fluorobiphenyl	13.503	172	640921	76.809	ng	0.00
79) Terphenyl-d14	20.207	244	1030187	77.978	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.386	77	1142	Below Cal	#	27
19) n-Nitroso-di-n-propyla...	9.431	70	45440	15.610	ng	# 72
51) 2,6-Dinitrotoluene	14.872	165	16142	8.490	ng	# 11
57) 2,4-Dinitrotoluene	14.872	165	16142	6.023	ng	# 16
67) 4-Bromophenyl-phenylether	16.358	248	10744	3.720	ng	# 1
77) Benzidine	20.207	184	21397	2.564	ng	# 91

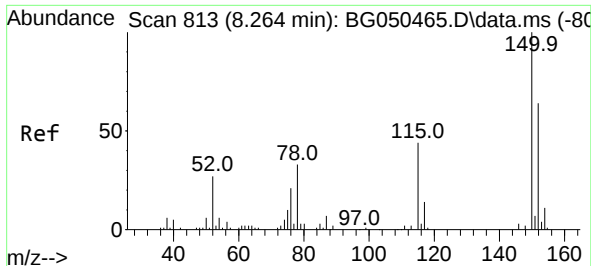
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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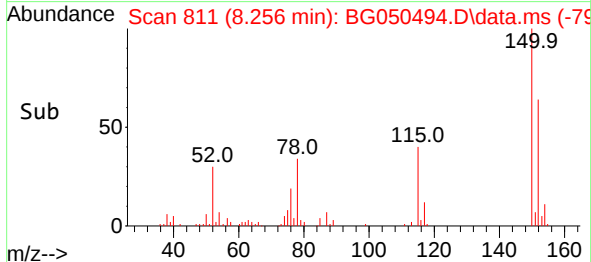
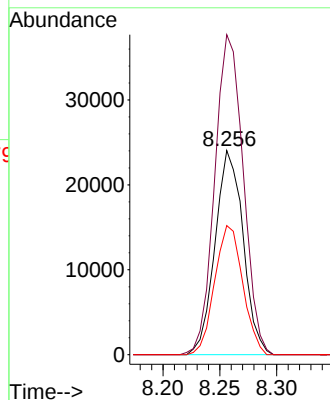
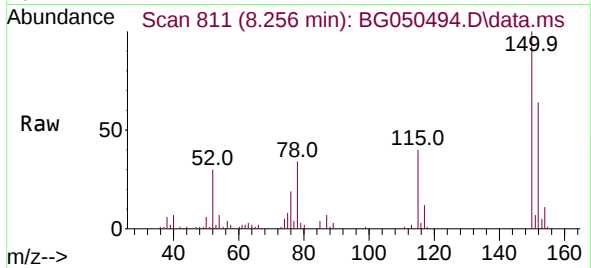




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.256 min Scan# 811
Delta R.T. -0.008 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

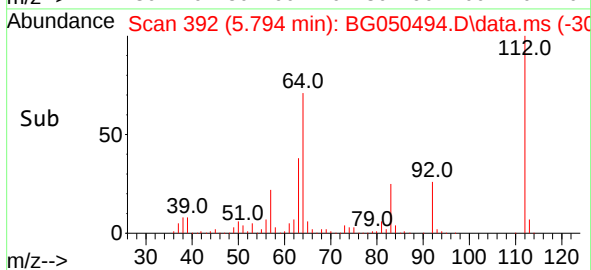
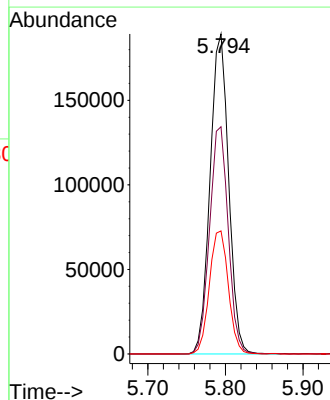
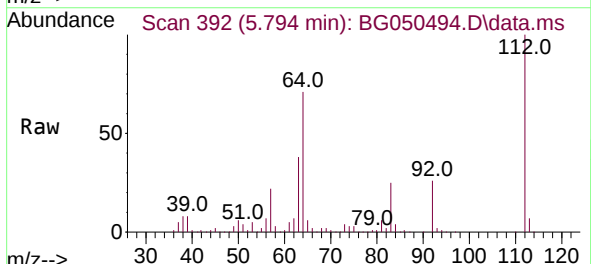
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-02

Tgt Ion:152 Resp: 41255
Ion Ratio Lower Upper
152 100
150 156.7 119.4 179.0
115 63.2 60.2 90.4



#5
2-Fluorophenol
Concen: 113.942 ng
RT: 5.794 min Scan# 392
Delta R.T. 0.004 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

Tgt Ion:112 Resp: 314314
Ion Ratio Lower Upper
112 100
64 71.0 46.7 70.1#
63 38.5 35.3 52.9

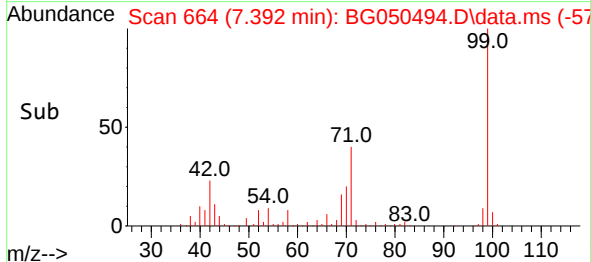
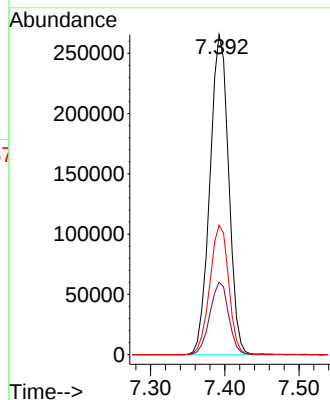
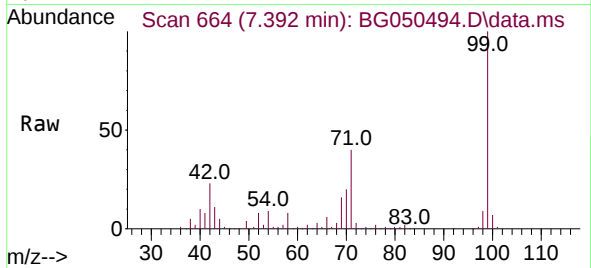




#7
Phenol-d6
Concen: 116.812 ng
RT: 7.392 min Scan# 664
Delta R.T. -0.002 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

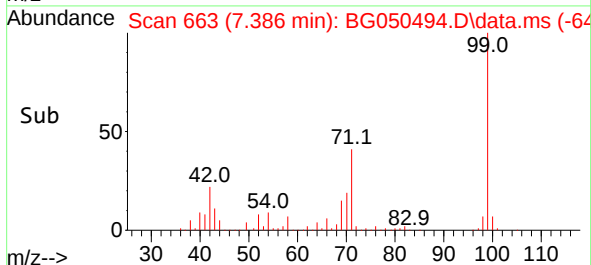
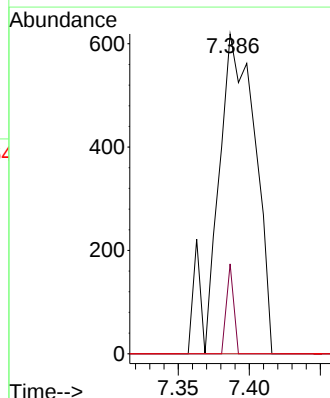
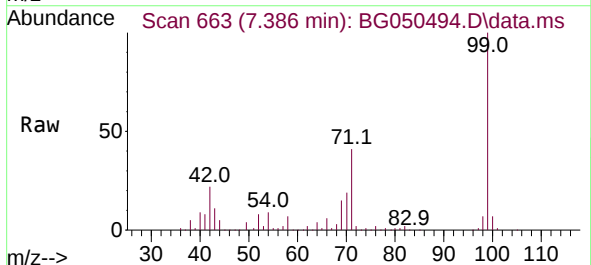
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-02

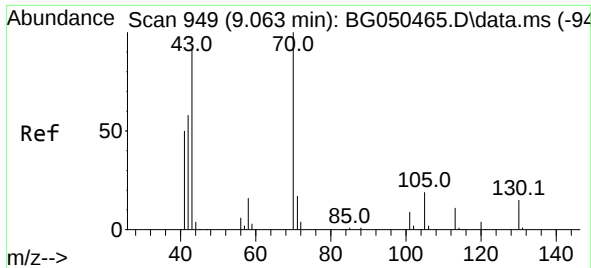
Tgt Ion: 99 Resp: 466532
Ion Ratio Lower Upper
99 100
42 22.6 20.5 30.7
71 40.5 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.386 min Scan# 663
Delta R.T. -0.008 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

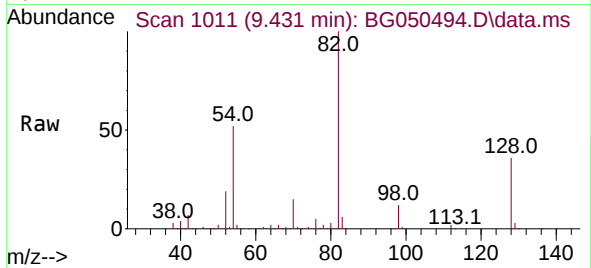
Tgt Ion: 77 Resp: 1142
Ion Ratio Lower Upper
77 100
105 28.1 68.8 108.8#
106 0.0 47.9 87.9#



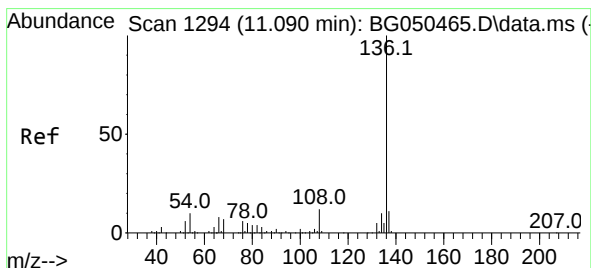
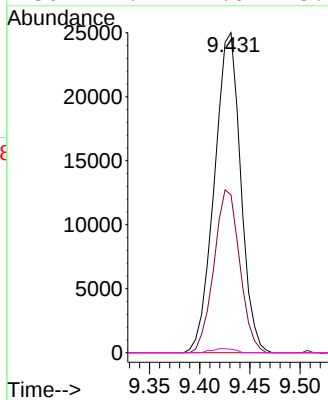
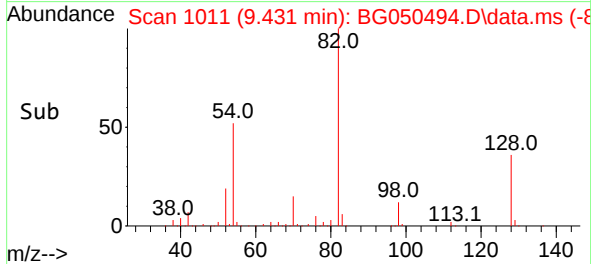


#19
n-Nitroso-di-n-propylamine
Concen: 15.610 ng
RT: 9.431 min Scan# 1011
Delta R.T. 0.368 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

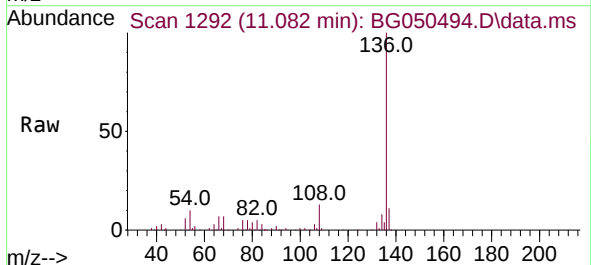
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BNA_G
ClientSampleId :
CONCRETE-100621-02



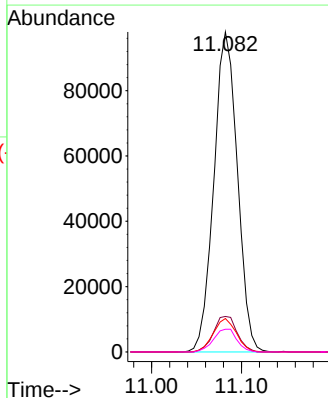
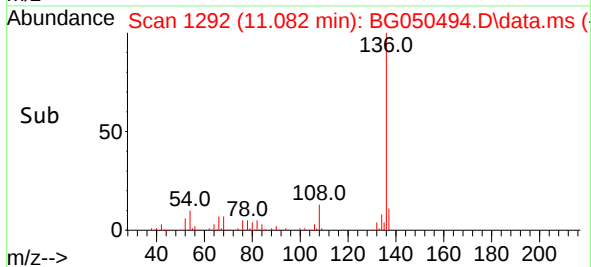
Tgt Ion: 70 Resp: 45440
Ion Ratio Lower Upper
70 100
42 49.3 54.5 81.7#
101 0.0 9.0 13.6#
130 1.1 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.082 min Scan# 1292
Delta R.T. -0.008 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32



Tgt Ion: 136 Resp: 178056
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.2
54 10.5 5.5 8.3#
68 7.1 2.3 3.5#

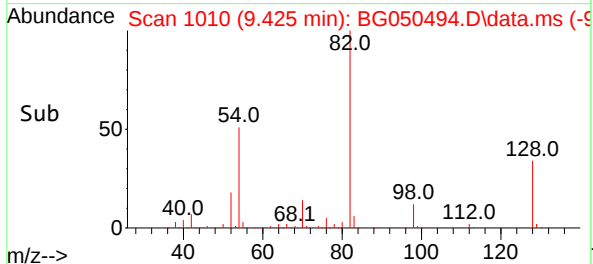
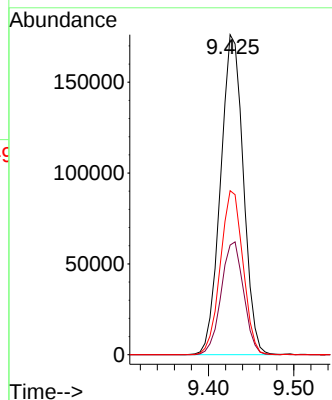
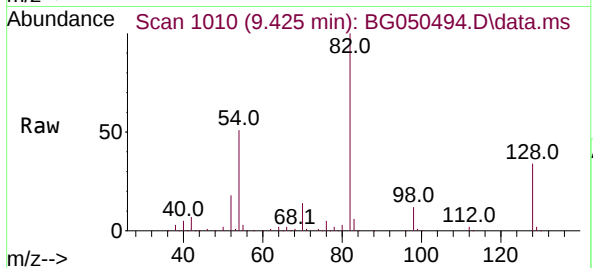




#23
Nitrobenzene-d5
Concen: 76.054 ng
RT: 9.425 min Scan# 1010
Delta R.T. -0.008 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

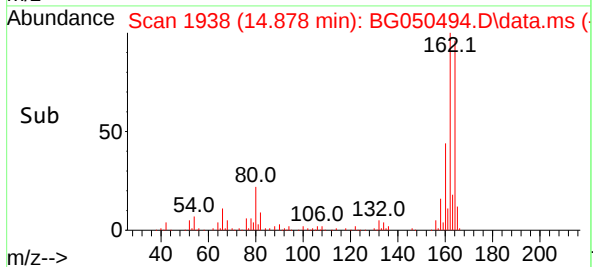
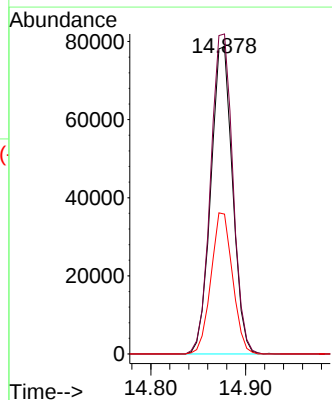
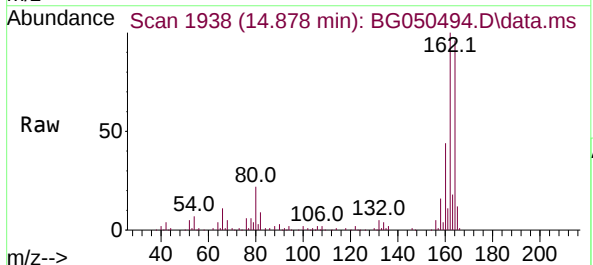
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-02

Tgt Ion: 82 Resp: 327132
Ion Ratio Lower Upper
82 100
128 34.3 29.8 44.6
54 51.2 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.878 min Scan# 1938
Delta R.T. -0.002 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

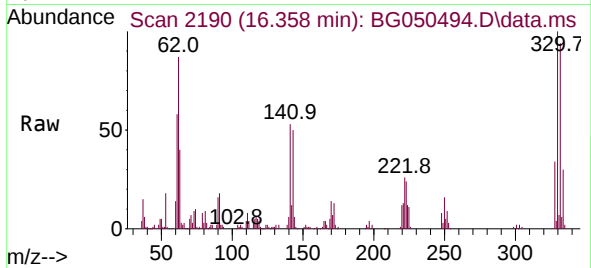
Tgt Ion:164 Resp: 125585
Ion Ratio Lower Upper
164 100
162 104.2 81.4 122.0
160 45.5 34.9 52.3



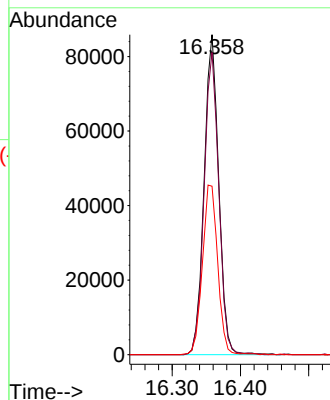
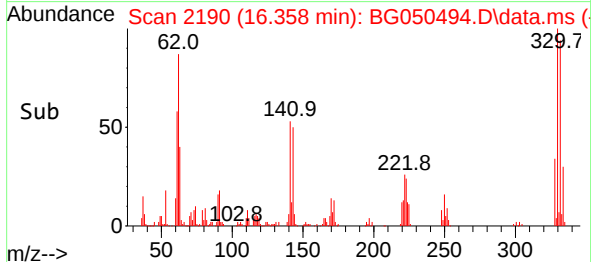


#42
2,4,6-Tribromophenol
Concen: 106.672 ng
RT: 16.358 min Scan# 2190
Delta R.T. -0.002 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

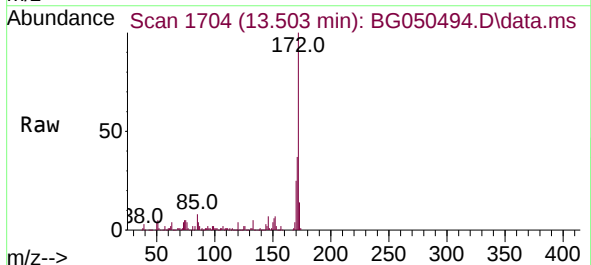
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-02



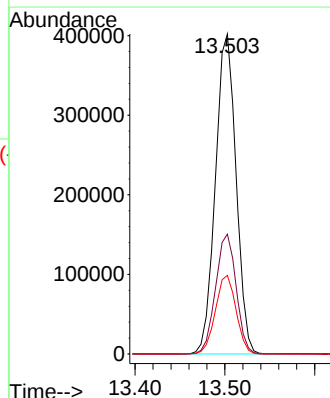
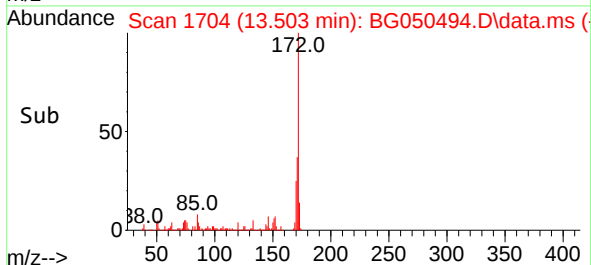
Tgt Ion:330 Resp: 127778
Ion Ratio Lower Upper
330 100
332 94.8 77.3 115.9
141 55.4 35.6 53.4#

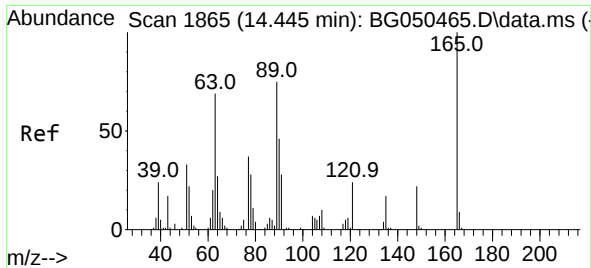


#45
2-Fluorobiphenyl
Concen: 76.809 ng
RT: 13.503 min Scan# 1704
Delta R.T. -0.002 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32



Tgt Ion:172 Resp: 640921
Ion Ratio Lower Upper
172 100
171 37.5 28.6 43.0
170 24.6 18.6 27.8

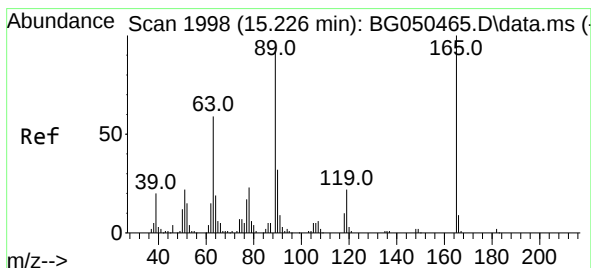
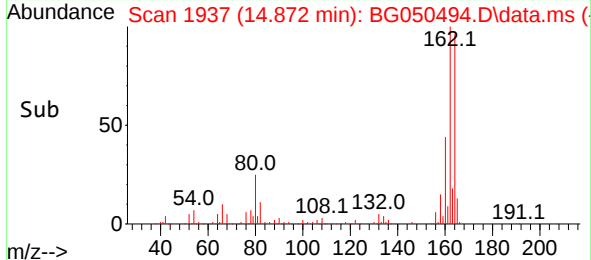
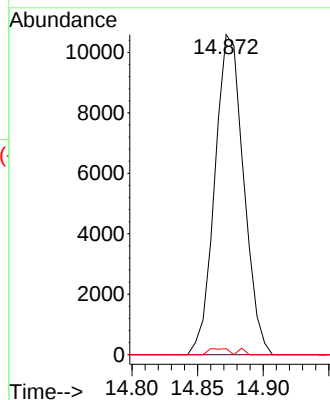
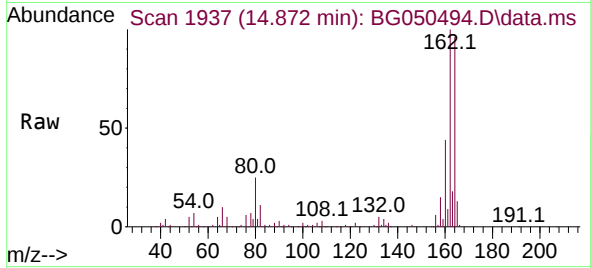




#51
2,6-Dinitrotoluene
Concen: 8.490 ng
RT: 14.872 min Scan# 1937
Delta R.T. 0.427 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

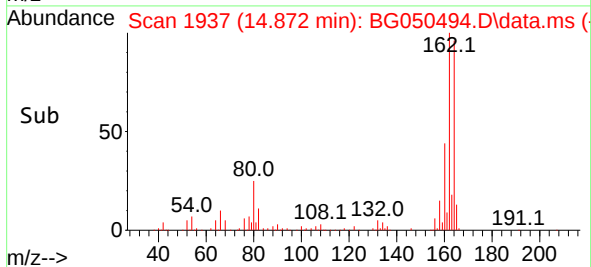
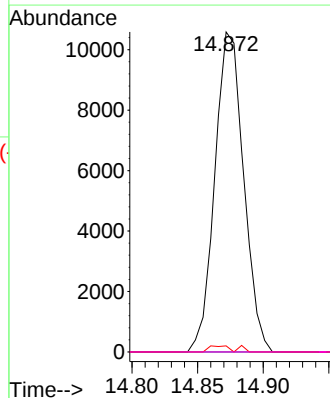
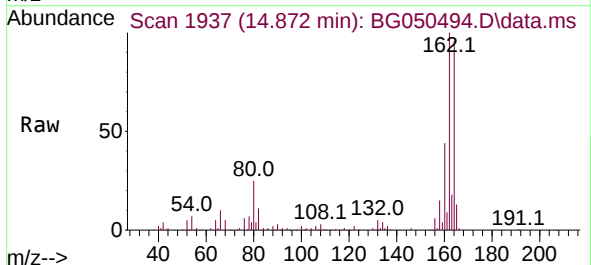
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-02

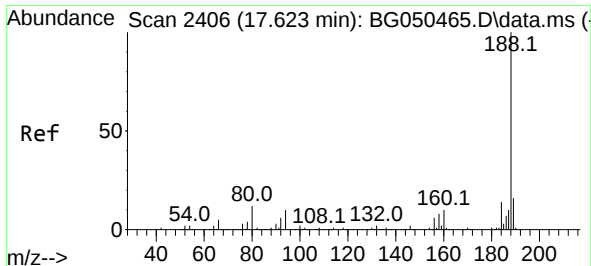
Tgt Ion:165 Resp: 16142
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.9 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.023 ng
RT: 14.872 min Scan# 1937
Delta R.T. -0.354 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

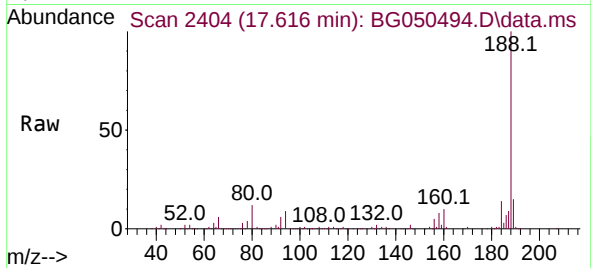
Tgt Ion:165 Resp: 16142
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 1.9 65.4 98.0#
182 0.0 2.0 3.0#



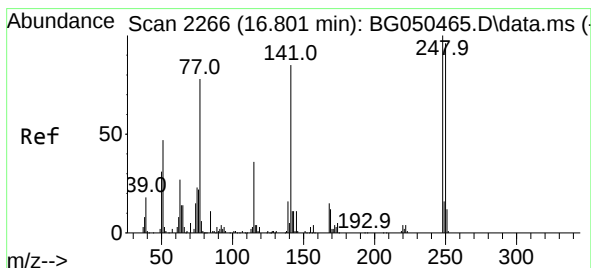
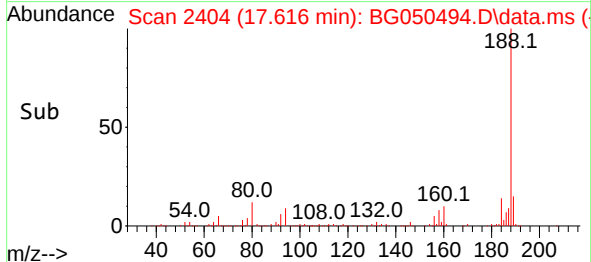
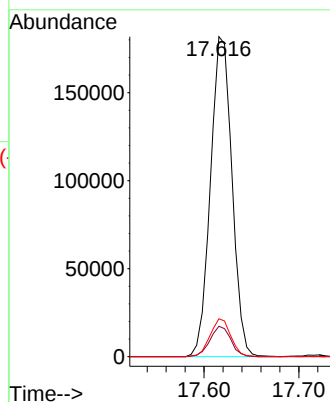


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.616 min Scan# 2404
Delta R.T. -0.008 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-02

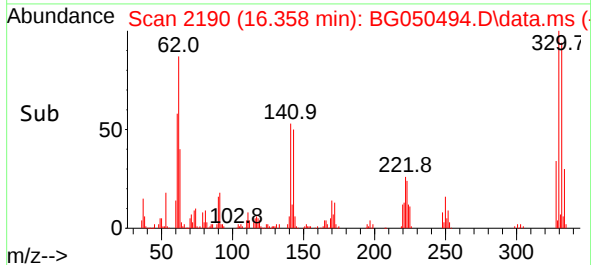
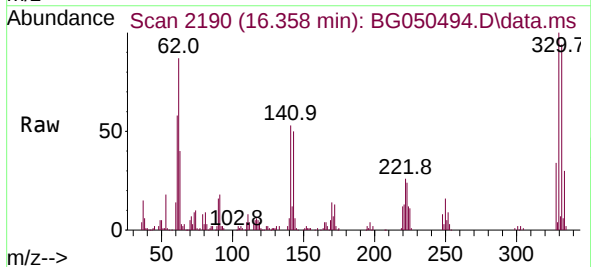
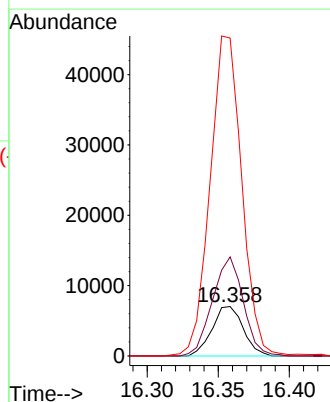


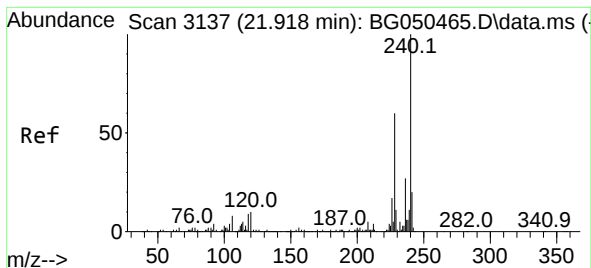
Tgt Ion:188 Resp: 286647
Ion Ratio Lower Upper
188 100
94 9.5 5.4 8.0#
80 11.8 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.720 ng
RT: 16.358 min Scan# 2190
Delta R.T. -0.442 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

Tgt Ion:248 Resp: 10744
Ion Ratio Lower Upper
248 100
250 200.4 76.1 114.1#
141 643.6 65.4 98.2#

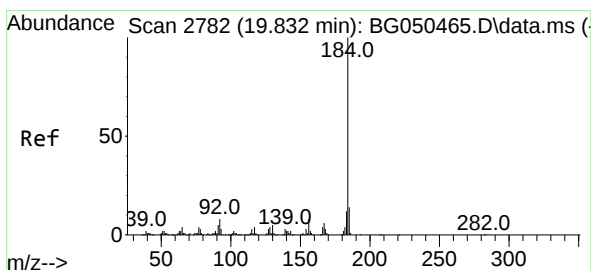
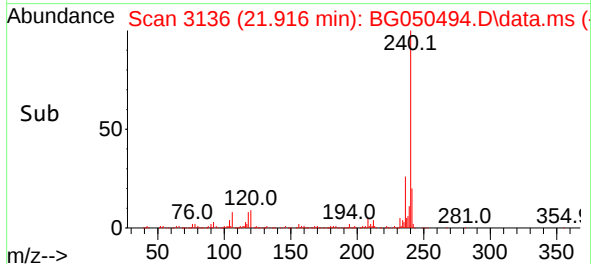
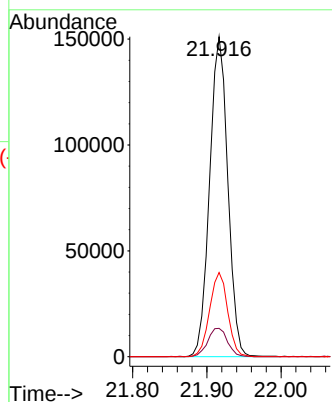
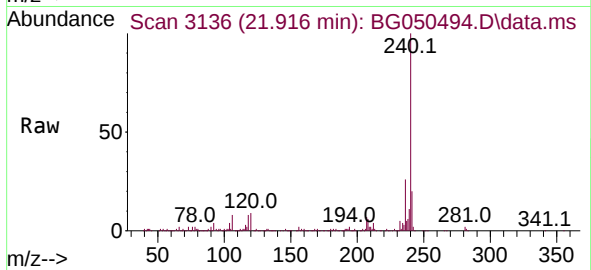




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.916 min Scan# 3136
Delta R.T. -0.002 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

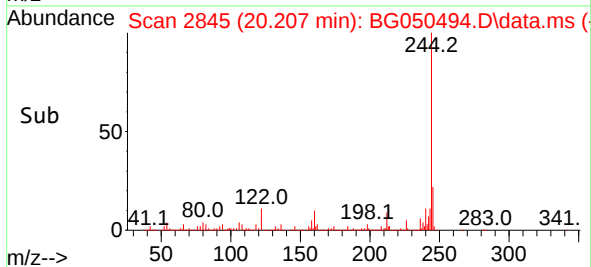
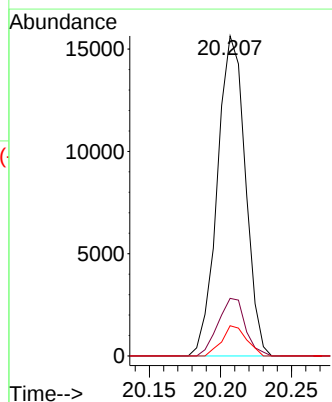
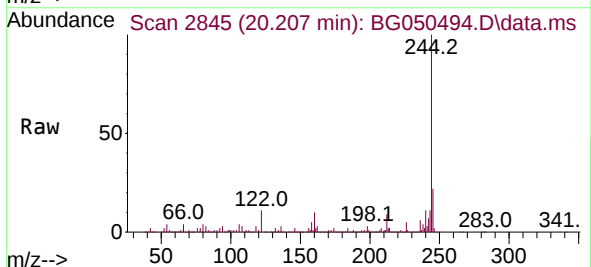
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-02

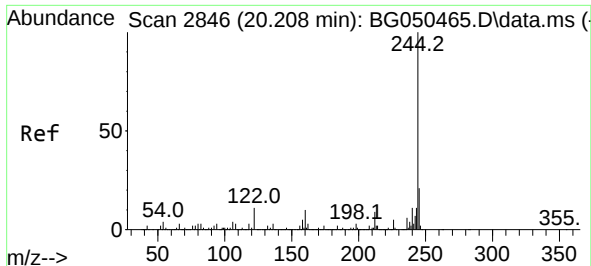
Tgt Ion:240 Resp: 257465
Ion Ratio Lower Upper
240 100
120 8.9 4.2 6.2#
236 26.3 21.8 32.6



#77
Benzidine
Concen: 2.564 ng
RT: 20.207 min Scan# 2845
Delta R.T. 0.374 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

Tgt Ion:184 Resp: 21397
Ion Ratio Lower Upper
184 100
185 18.0 10.7 16.1#
183 9.4 9.4 14.0

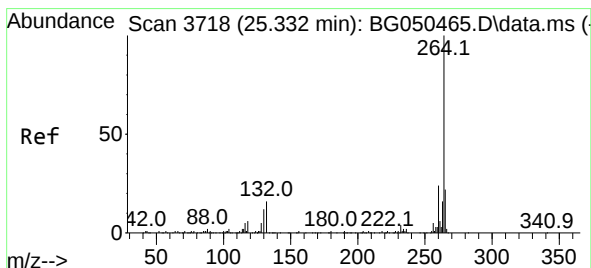
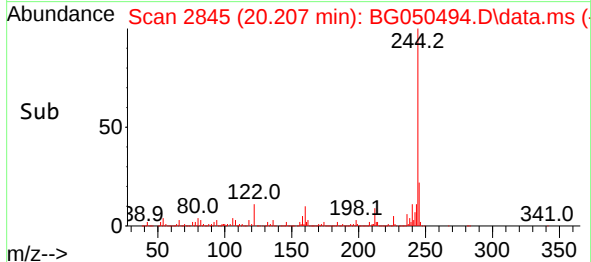
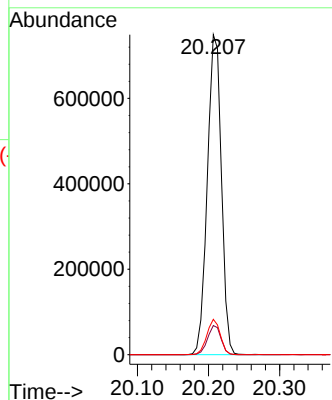
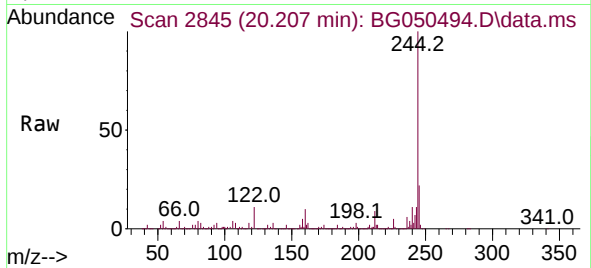




#79
Terphenyl-d14
Concen: 77.978 ng
RT: 20.207 min Scan# 2845
Delta R.T. -0.002 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-02

Tgt Ion:244 Resp: 1030187
Ion Ratio Lower Upper
244 100
212 9.1 6.9 10.3
122 11.1 5.0 7.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.330 min Scan# 3717
Delta R.T. -0.002 min
Lab File: BG050494.D
Acq: 7 Oct 2021 22:32

Tgt Ion:264 Resp: 252468
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 21.4 16.9 25.3

