

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046003.D
 Acq On : 10 Jul 2020 12:20
 Operator : CG/JU
 Sample : PB130070BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB130070BL

Quant Time: Jul 10 13:04:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	171066	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	681185	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	407007	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	833598	20.00	ng	0.00
76) Chrysene-d12	21.62	240	785686	20.00	ng	-0.01
86) Perylene-d12	24.78	264	770156	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1261349	119.57	ng	0.00
7) Phenol-d6	7.16	99	1750151	115.24	ng	0.00
23) Nitrobenzene-d5	9.16	82	1211731	102.39	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	495098	131.07	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2210791	84.73	ng	0.00
79) Terphenyl-d14	19.98	244	2905360	82.30	ng	0.00

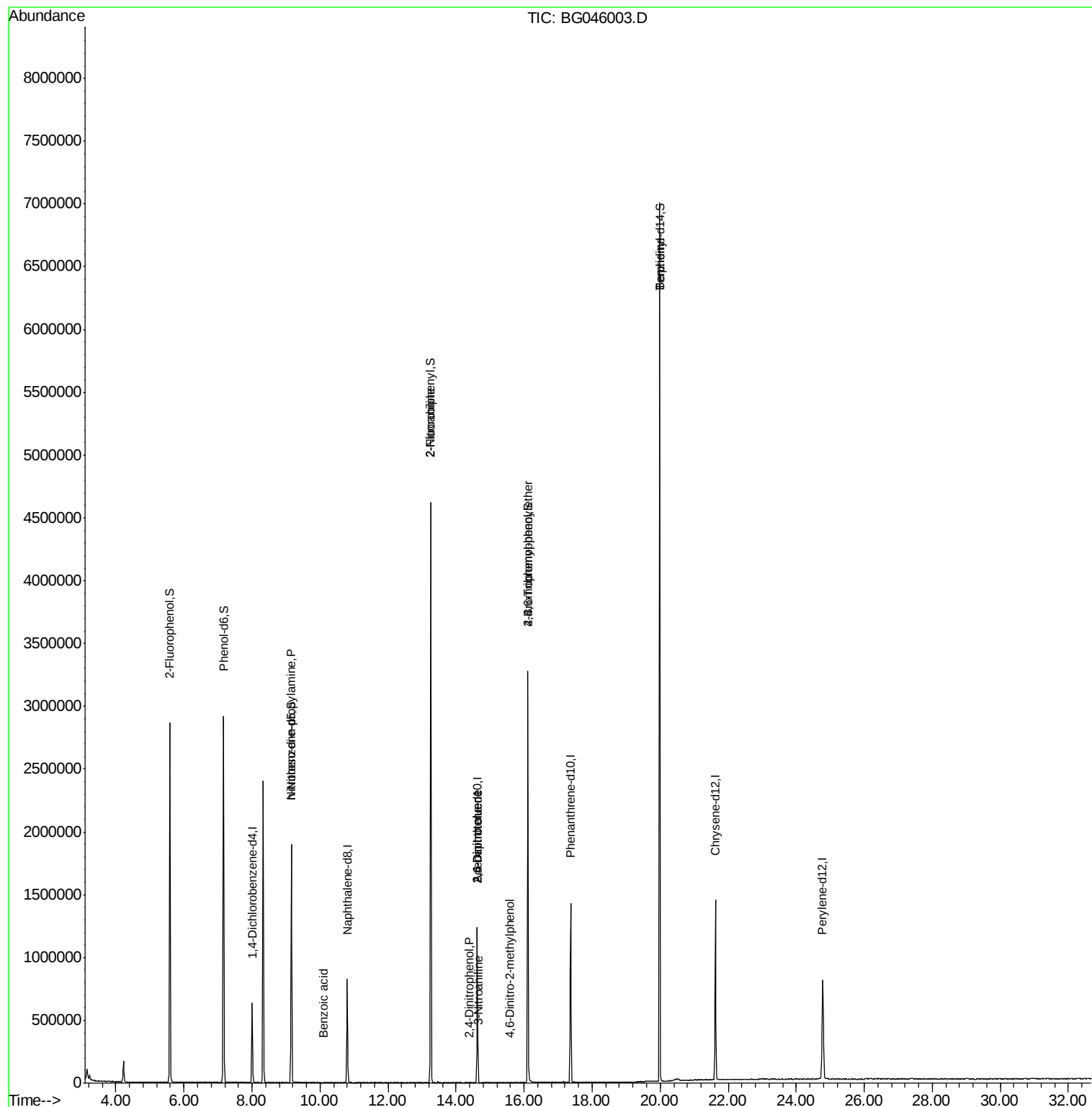
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	164057	15.377	ng	# 80
32) Benzoic acid	10.10	122	68	6.516	ng	# 1
48) 2-Nitroaniline	13.26	65	4512	3.989	ng	# 1
51) 2,6-Dinitrotoluene	14.63	165	53512	12.430	ng	# 18
53) 3-Nitroaniline	14.65	138	66	2.992	ng	# 1
54) 2,4-Dinitrophenol	14.40	184	63	6.139	ng	# 17
57) 2,4-Dinitrotoluene	14.63	165	53512	10.967	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.58	198	61	6.809	ng	# 21
67) 4-Bromophenyl-phenylether	16.11	248	35668	3.831	ng	# 1
77) Benzidine	19.99	184	64009	2.849	ng	# 89

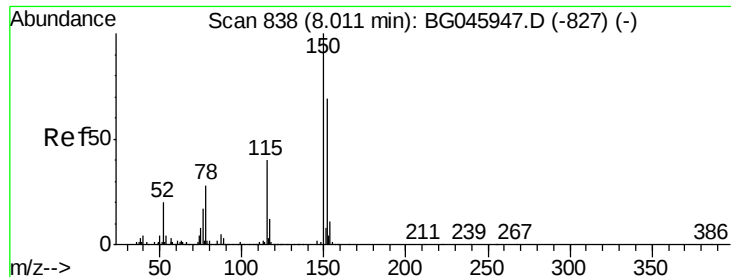
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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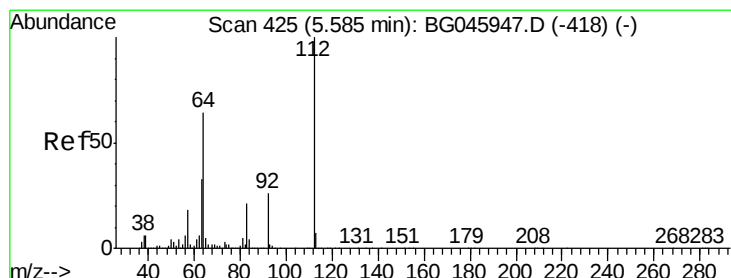
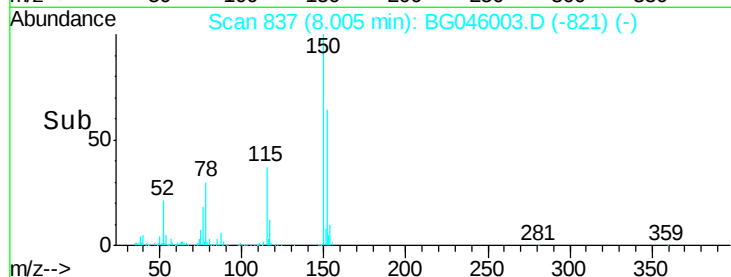
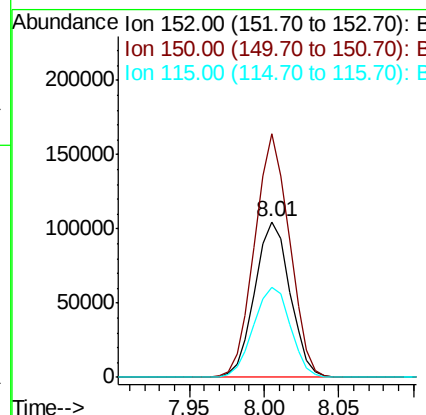
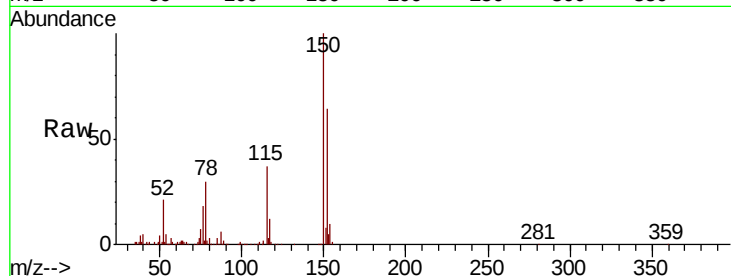


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG046003.D
Acq: 10 Jul 2020 12:20

Instrument :
BNA_G
ClientSampleId :
PB130070BL

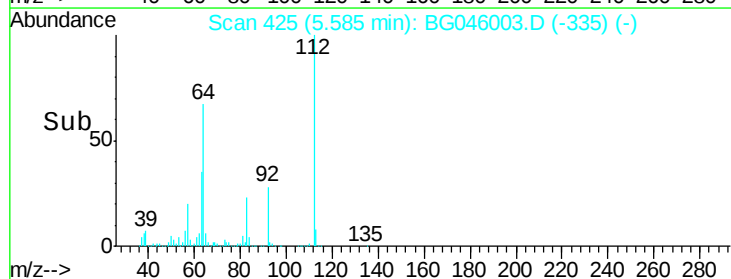
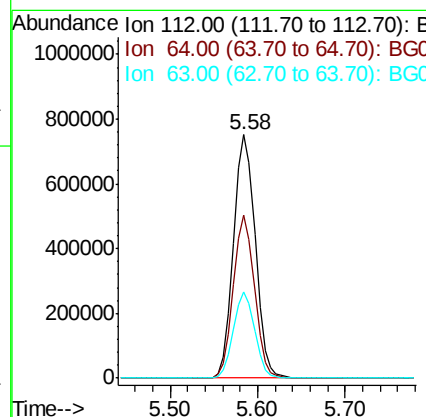
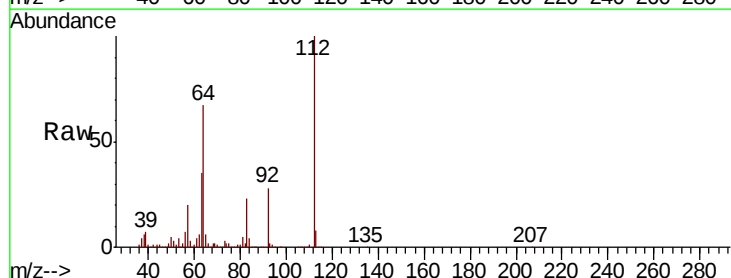
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	116.7	175.1
115	57.9	47.4	71.0

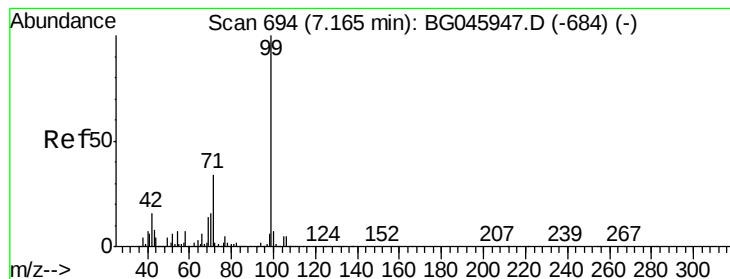


#5

2-Fluorophenol
Concen: 119.573 ng
RT: 5.58 min Scan# 425
Delta R.T. 0.00 min
Lab File: BG046003.D
Acq: 10 Jul 2020 12:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	51.4	77.2
63	35.5	26.6	40.0





#7

Phenol-d6

Concen: 115.239 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG046003.D

Acq: 10 Jul 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB130070BL

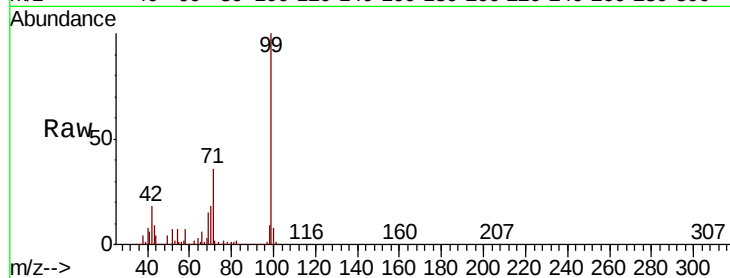
Tot Ion: 99 Resp: 1750151

Ion Ratio Lower Upper

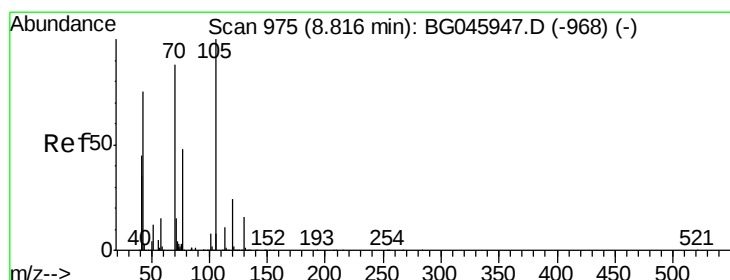
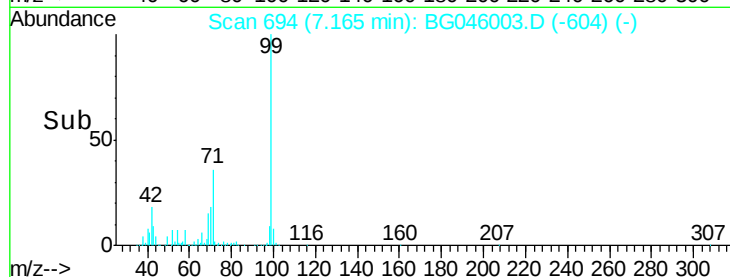
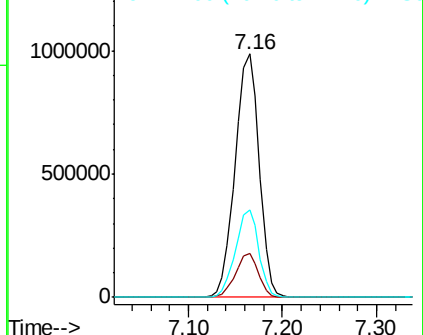
99 100

42 17.9 13.0 19.4

71 36.0 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 15.377 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG046003.D

Acq: 10 Jul 2020 12:20

Tgt Ion: 70 Resp: 164057

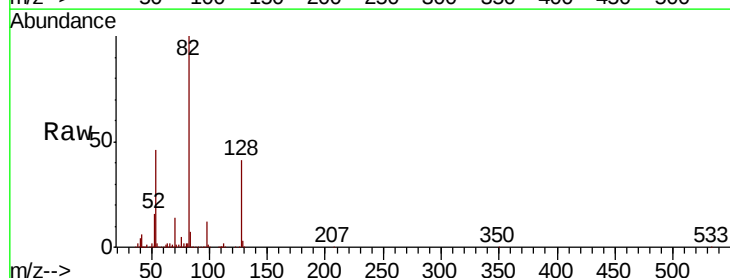
Ion Ratio Lower Upper

70 100

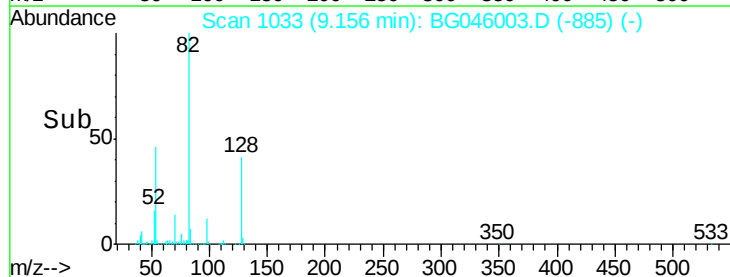
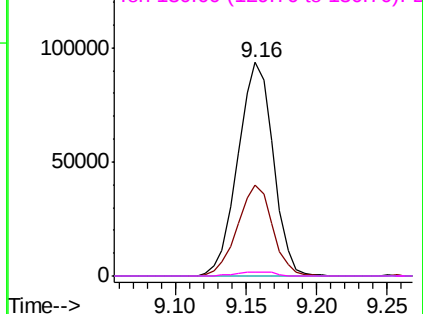
42 42.4 41.4 62.0

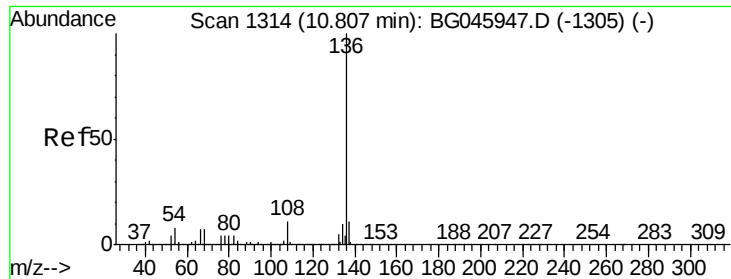
101 0.0 7.1 10.7#

130 1.6 14.9 22.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

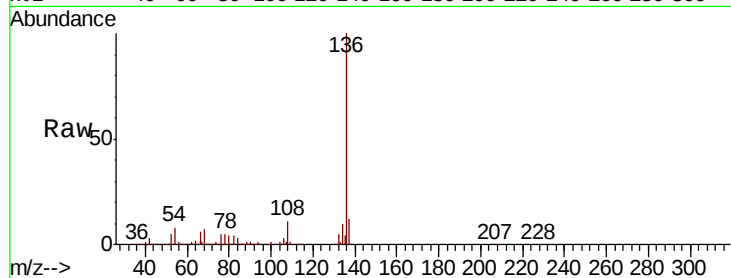




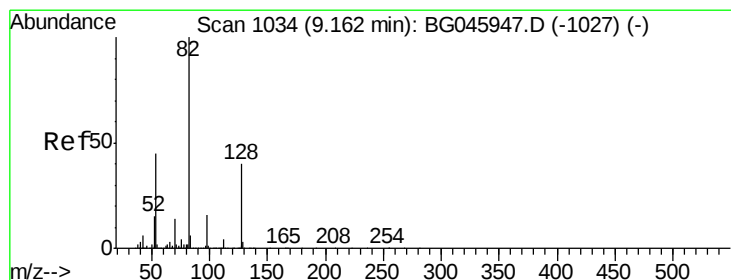
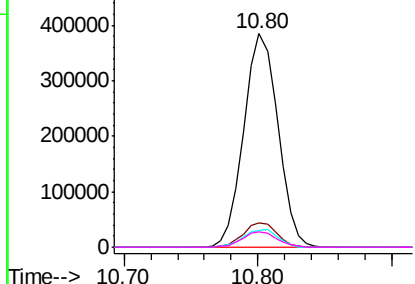
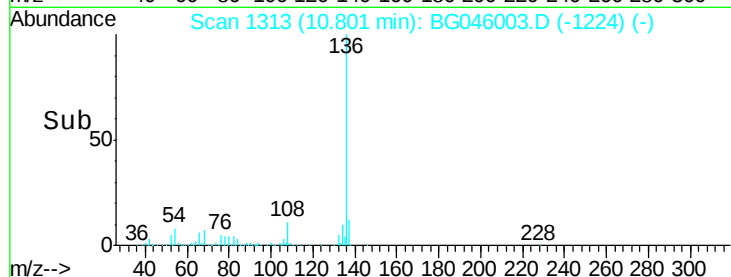
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG046003.D
Acq: 10 Jul 2020 12:20

Instrument :
BNA_G
ClientSampleId :
PB130070BL

Tot Ion:136	Resp: 681185
Ion Ratio	Lower Upper
136 100	
137 11.5	9.2 13.8
54 8.1	6.2 9.4
68 7.4	5.8 8.8

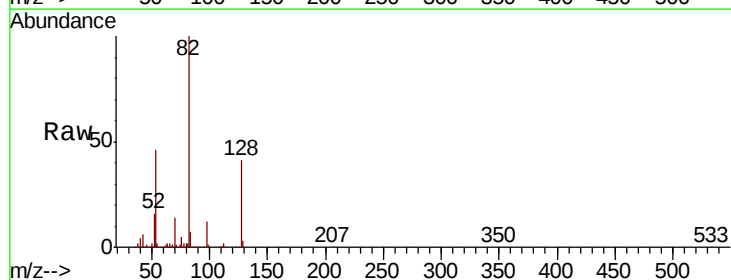


Abundance Ion 136.00 (135.70 to 136.70): E
600000
Ion 137.00 (136.70 to 137.70): E
500000
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

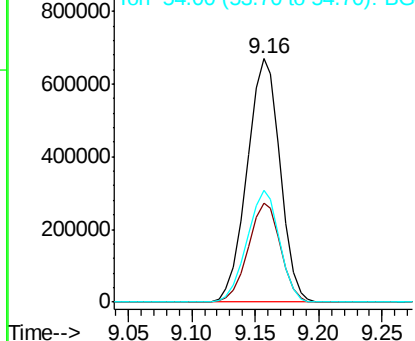
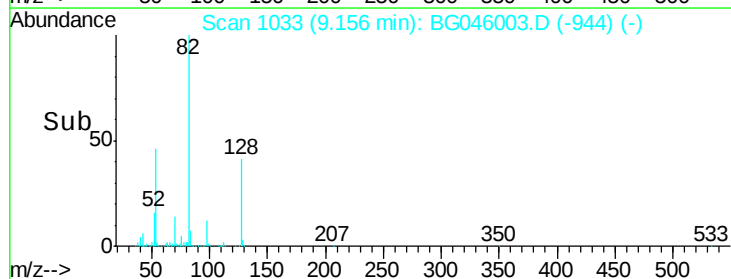


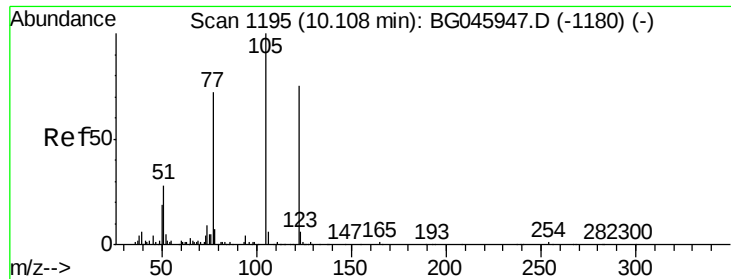
#23
Nitrobenzene-d5
Concen: 102.387 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG046003.D
Acq: 10 Jul 2020 12:20

Tgt Ion: 82	Resp: 1211731
Ion Ratio	Lower Upper
82 100	
128 40.6	32.2 48.4
54 45.8	35.8 53.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
800000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

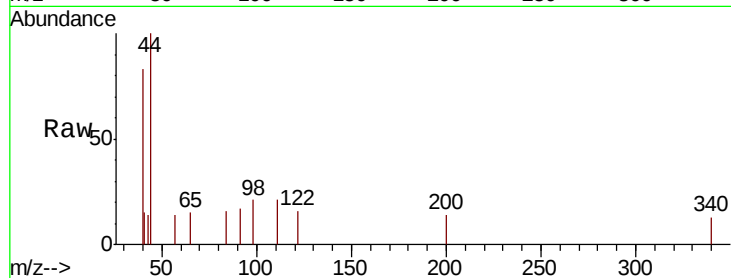




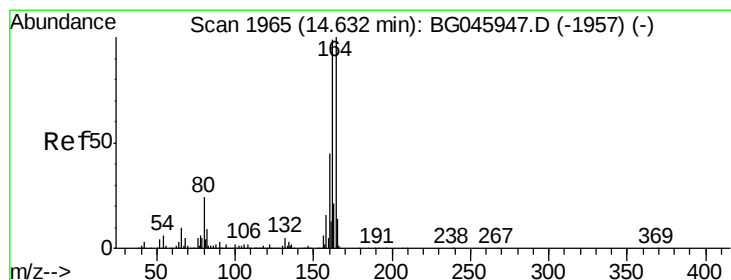
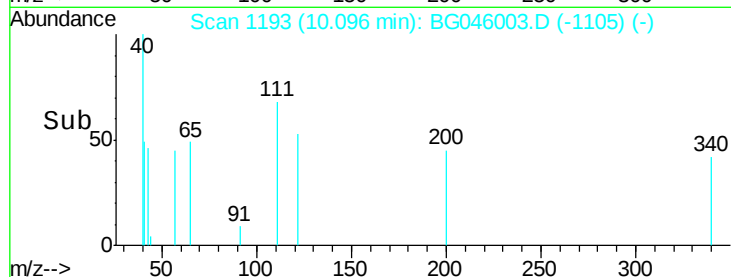
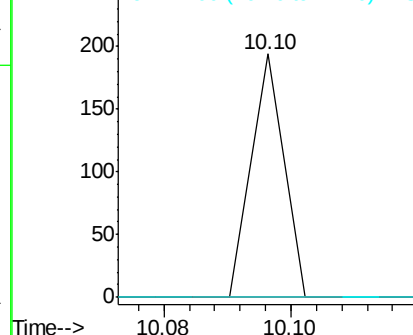
#32
Benzoic acid
Concen: 6.516 ng
RT: 10.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BG046003.D
Acq: 10 Jul 2020 12:20

Instrument :
BNA_G
ClientSampleId :
PB130070BL

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	110.8	150.8#
77	0.0	76.4	116.4#

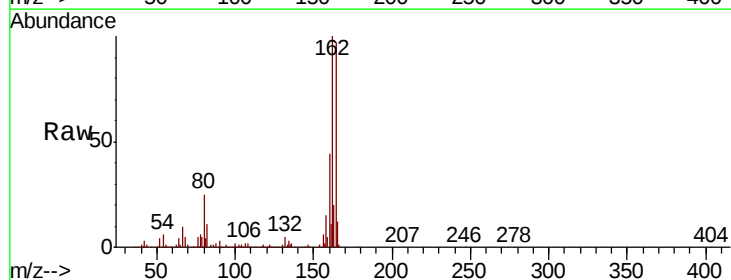


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

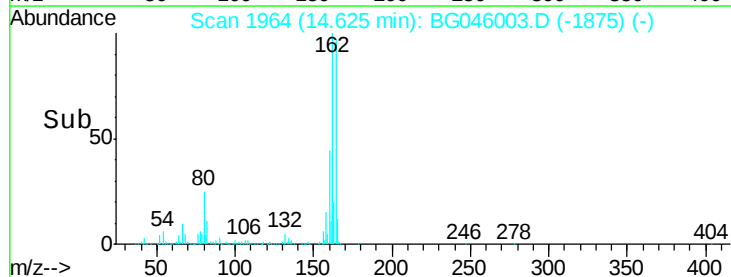
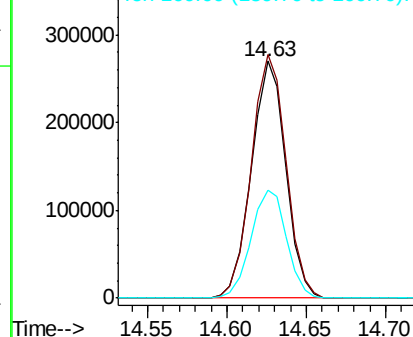


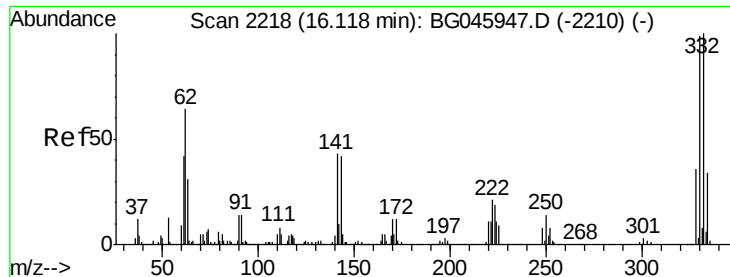
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG046003.D
Acq: 10 Jul 2020 12:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	79.3	118.9
160	45.5	35.7	53.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 131.067 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG046003.D

Acq: 10 Jul 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB130070BL

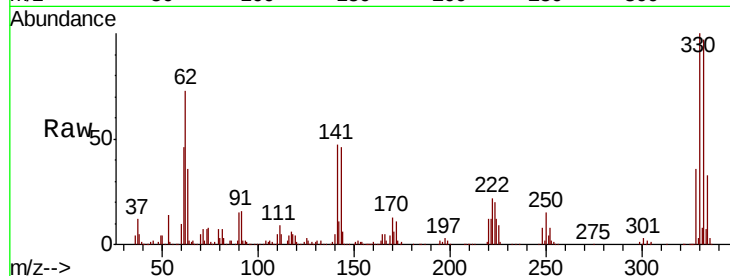
Tot Ion:330 Resp: 495098

Ion Ratio Lower Upper

330 100

332 96.3 78.3 117.5

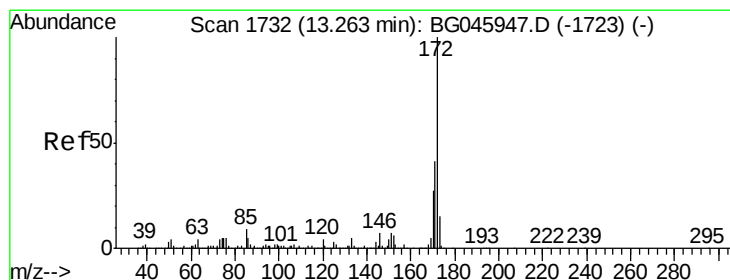
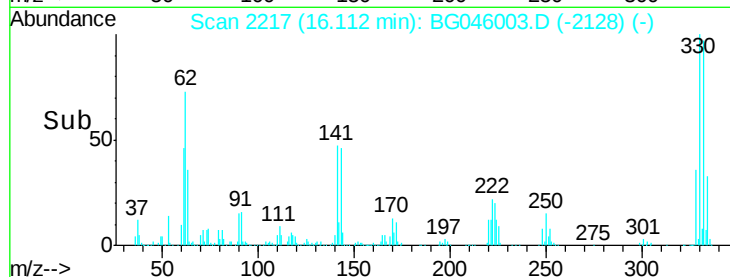
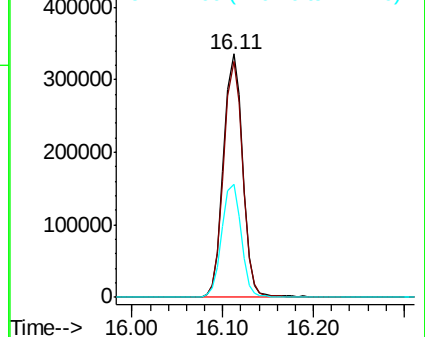
141 47.0 36.6 54.8



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 84.727 ng

RT: 13.26 min Scan# 1731

Delta R.T. -0.01 min

Lab File: BG046003.D

Acq: 10 Jul 2020 12:20

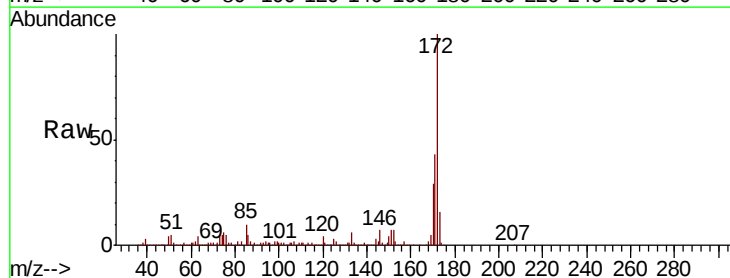
Tgt Ion:172 Resp: 2210791

Ion Ratio Lower Upper

172 100

171 42.9 32.9 49.3

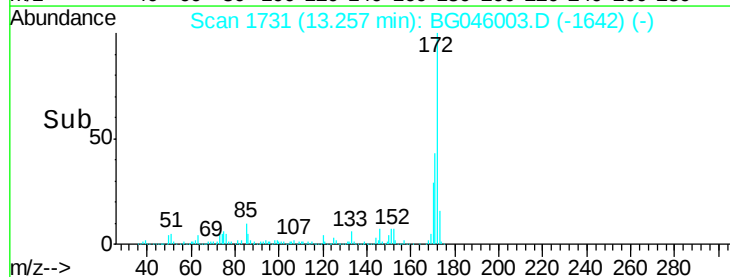
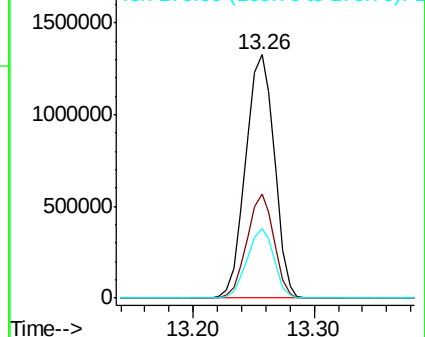
170 28.6 21.8 32.6

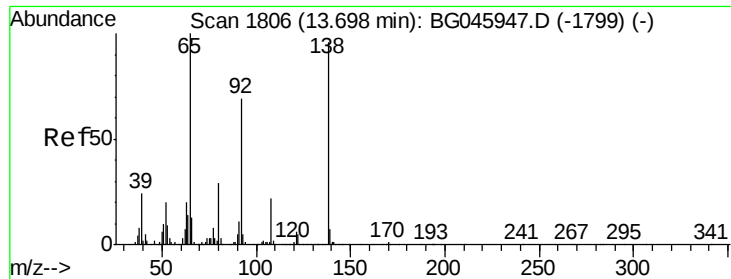


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 3.989 ng

RT: 13.26 min Scan# 1731

Delta R.T. -0.44 min

Lab File: BG046003.D

Acq: 10 Jul 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB130070BL

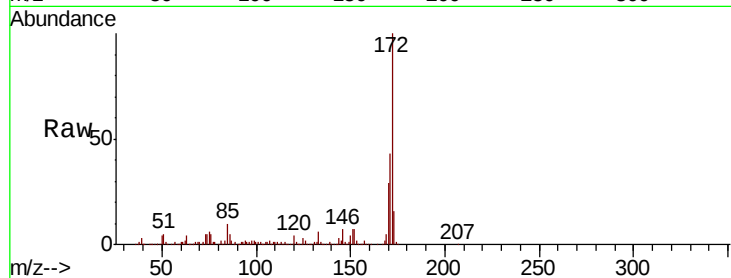
Tot Ion: 65 Resp: 4512

Ion Ratio Lower Upper

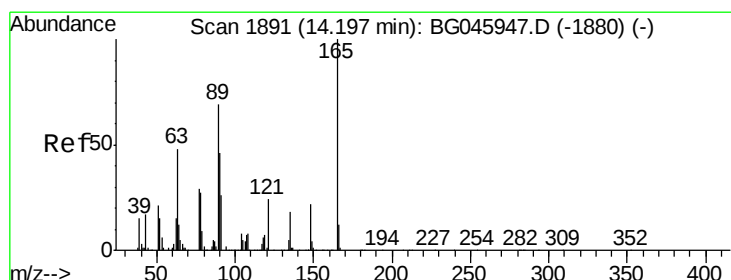
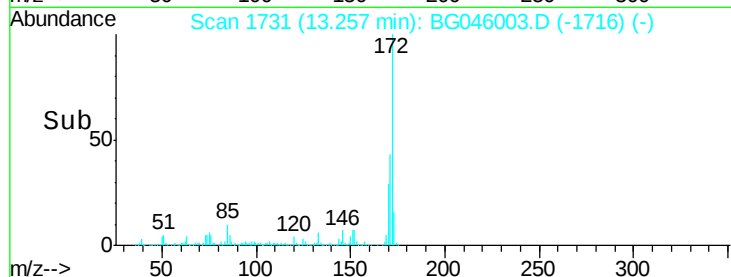
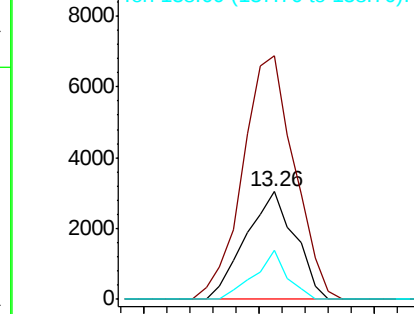
65 100

92 226.3 55.4 83.0#

138 45.0 77.0 115.4#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 12.430 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.43 min

Lab File: BG046003.D

Acq: 10 Jul 2020 12:20

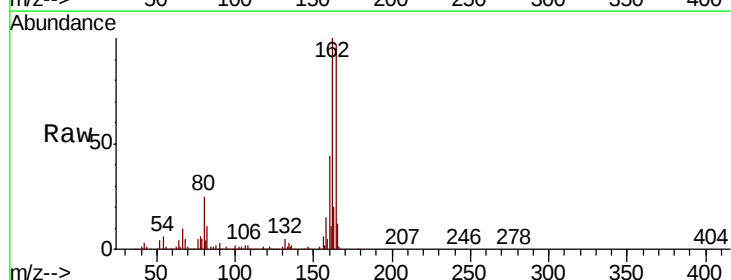
Tgt Ion:165 Resp: 53512

Ion Ratio Lower Upper

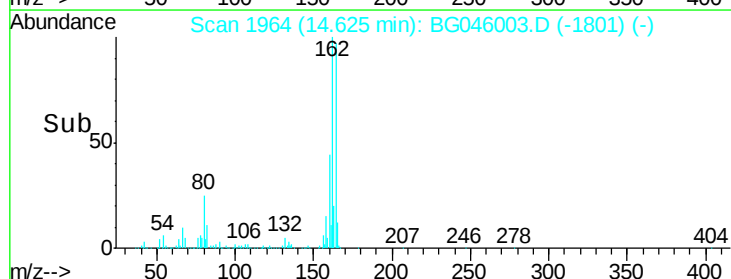
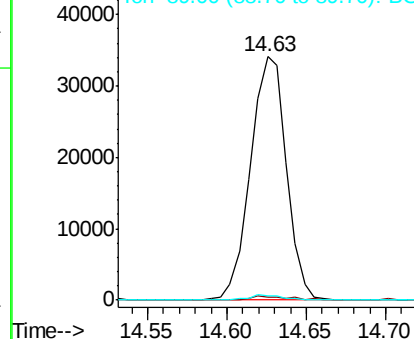
165 100

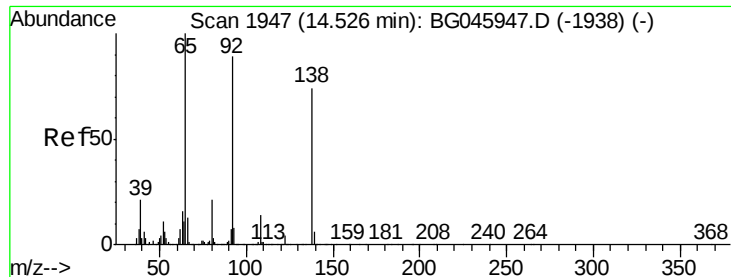
63 1.0 51.0 76.4#

89 1.5 55.7 83.5#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC





#53

3-Nitroaniline

Concen: 2.992 ng

RT: 14.65 min Scan# 1969

Delta R.T. 0.13 min

Lab File: BG046003.D

Acq: 10 Jul 2020 12:20

Instrument :

BNA_G

ClientSampleId :

PB130070BL

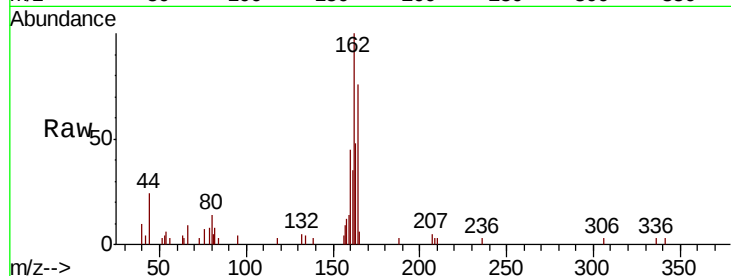
Tot Ion:138 Resp: 66

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

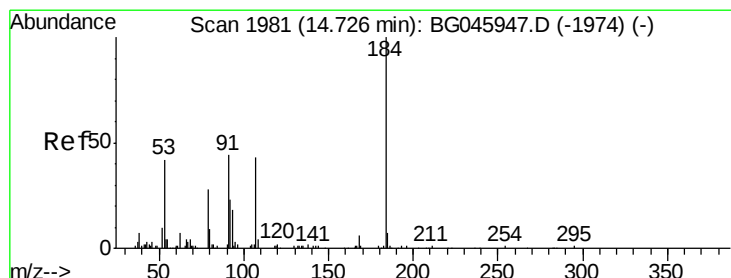
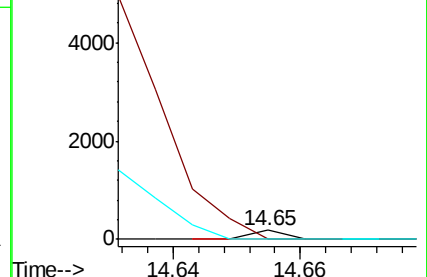
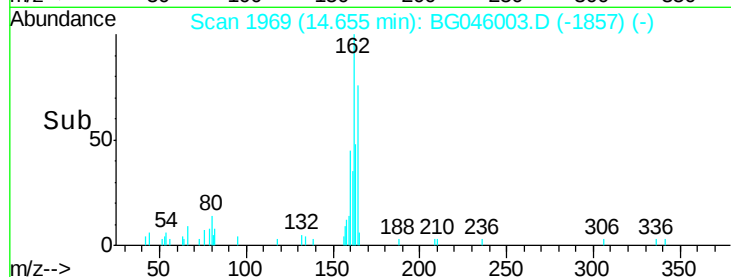
92 0.0 95.9 143.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 6.139 ng

RT: 14.40 min Scan# 1926

Delta R.T. -0.32 min

Lab File: BG046003.D

Acq: 10 Jul 2020 12:20

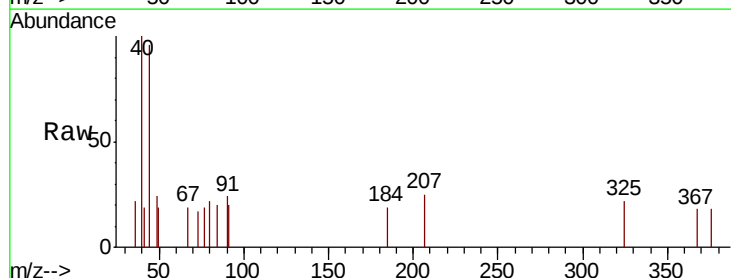
Tgt Ion:184 Resp: 63

Ion Ratio Lower Upper

184 100

63 0.0 46.0 69.0#

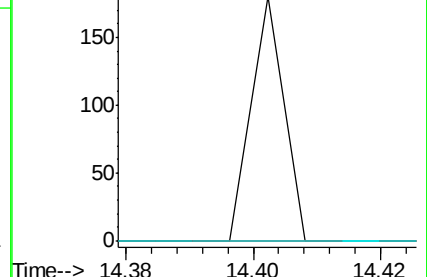
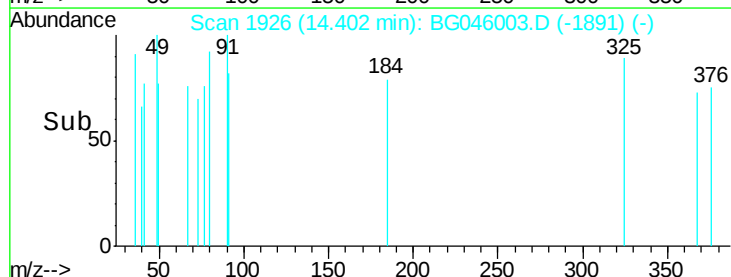
154 0.0 58.2 87.2#

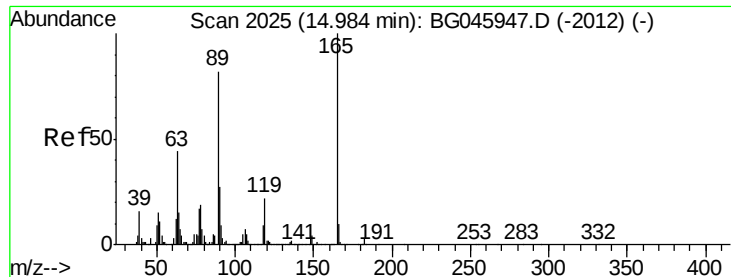


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

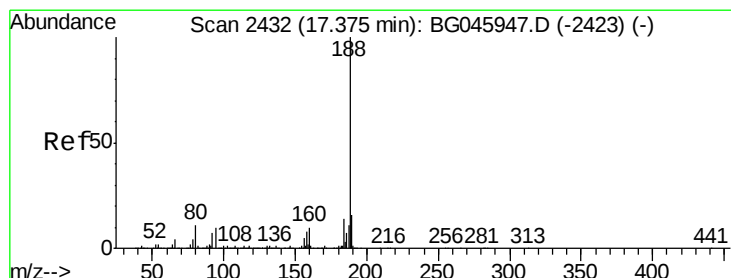
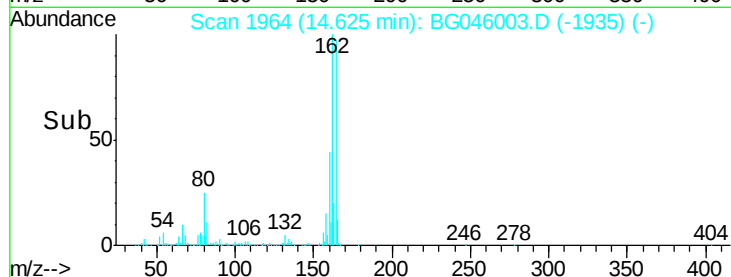
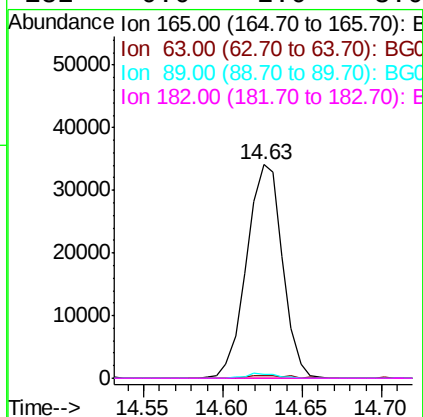
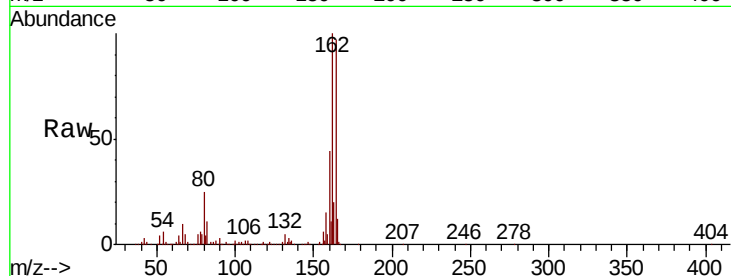




#57
 2,4-Dinitrotoluene
 Concen: 10.967 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.36 min
 Lab File: BG046003.D
 Acq: 10 Jul 2020 12:20

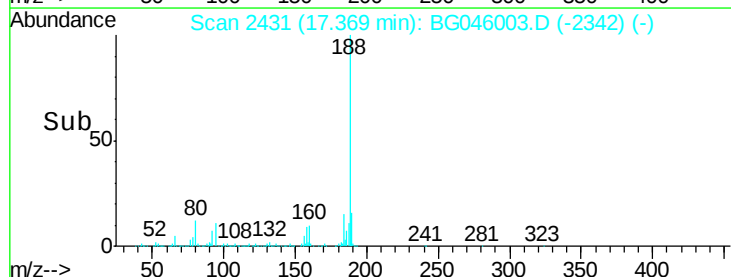
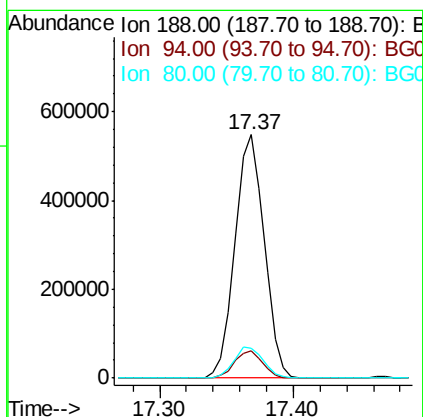
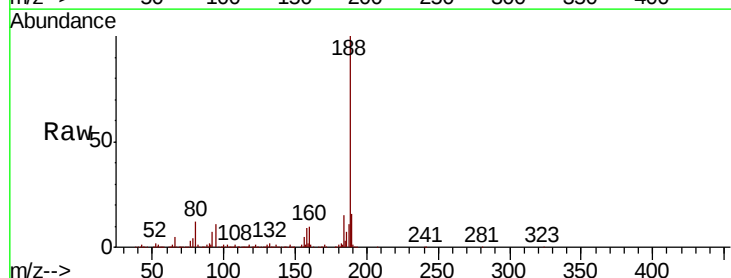
Instrument :
 BNA_G
 ClientSampleId :
 PB130070BL

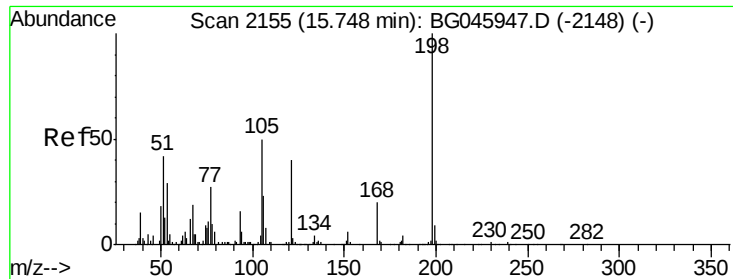
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	35.4	53.0#
89	1.5	65.4	98.2#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.01 min
 Lab File: BG046003.D
 Acq: 10 Jul 2020 12:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.2	12.4
80	12.2	9.0	13.6

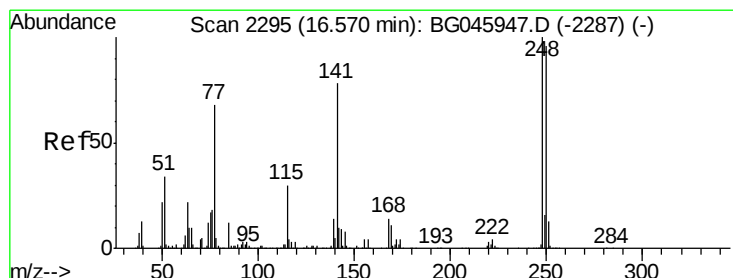
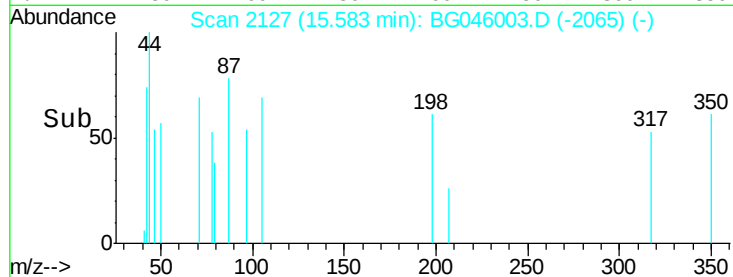
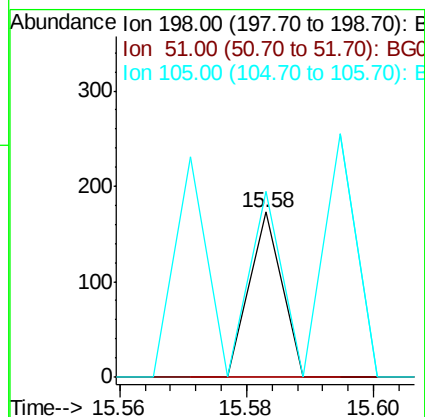
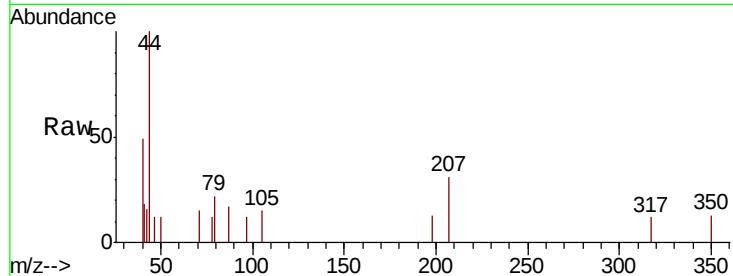




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.809 ng
 RT: 15.58 min Scan# 2127
 Delta R.T. -0.16 min
 Lab File: BG046003.D
 Acq: 10 Jul 2020 12:20

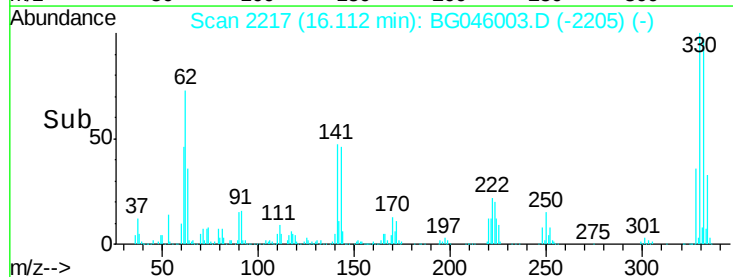
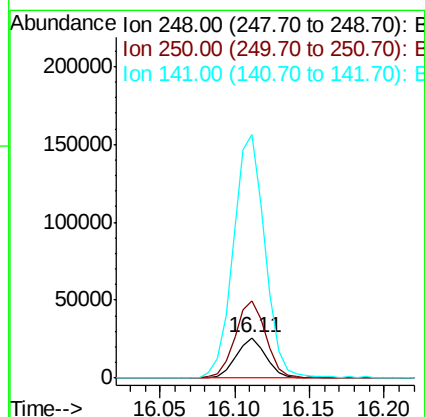
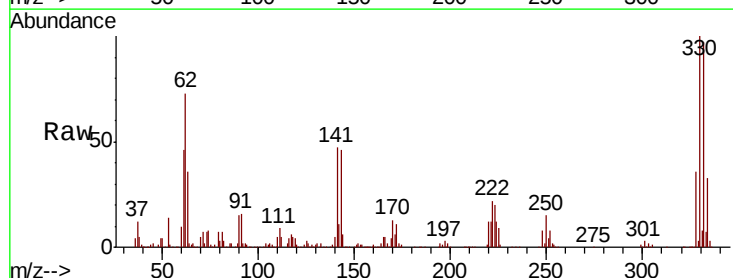
Instrument :
 BNA_G
 ClientSampleId :
 PB130070BL

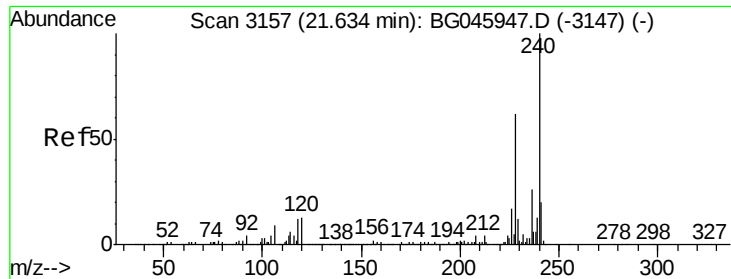
Tot Ion:198 Resp: 61
 Ion Ratio Lower Upper
 198 100
 51 0.0 24.5 64.5#
 105 112.7 30.9 70.9#



#67
 4-Bromophenyl-phenylether
 Concen: 3.831 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.46 min
 Lab File: BG046003.D
 Acq: 10 Jul 2020 12:20

Tgt Ion:248 Resp: 35668
 Ion Ratio Lower Upper
 248 100
 250 190.0 76.6 114.8#
 141 597.8 62.7 94.1#

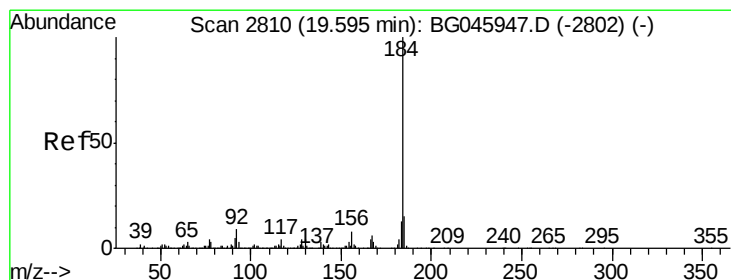
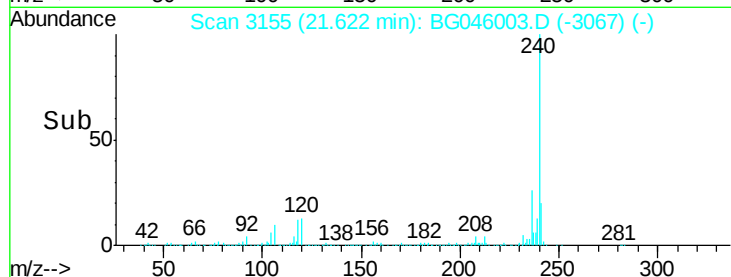
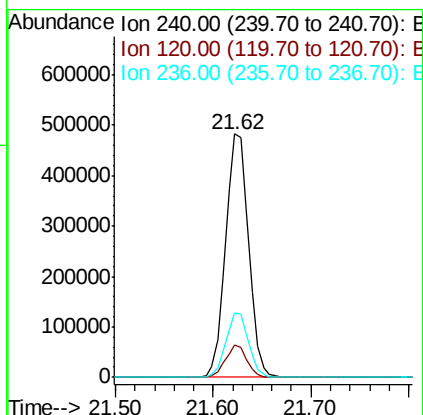
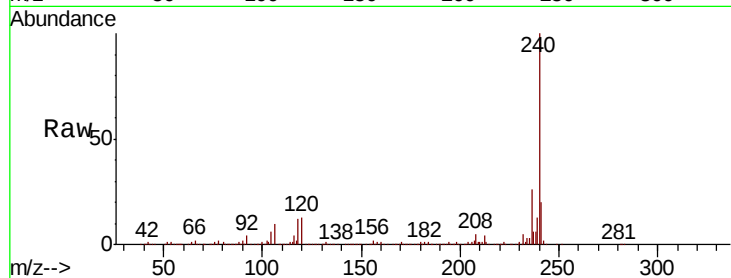




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG046003.D
Acq: 10 Jul 2020 12:20

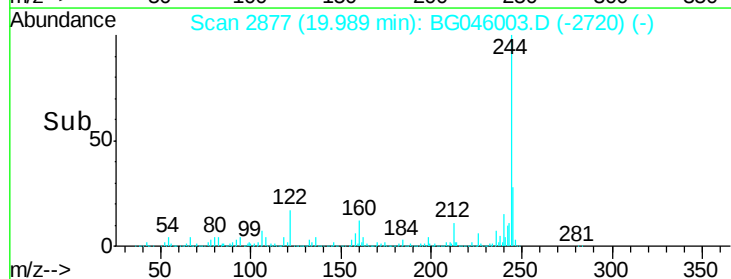
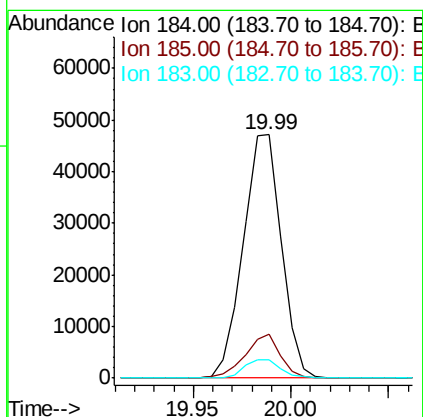
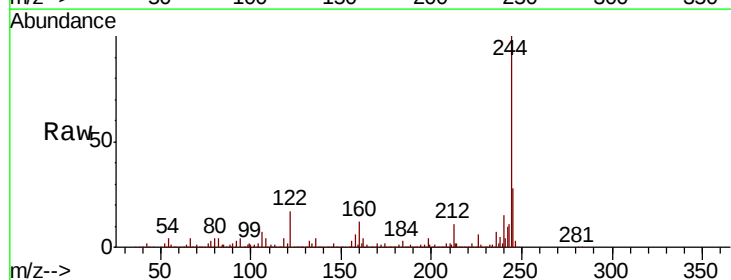
Instrument :
BNA_G
ClientSampleId :
PB130070BL

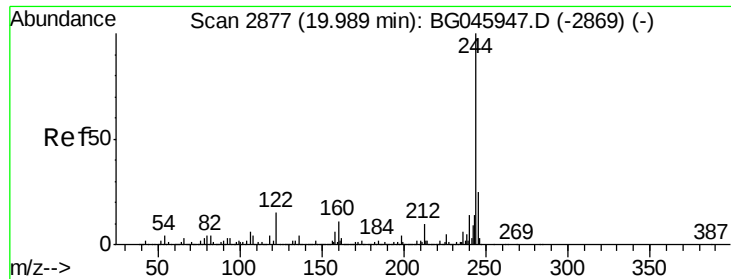
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	10.6	16.0
236	26.5	20.4	30.6



#77
Benzidine
Concen: 2.849 ng
RT: 19.99 min Scan# 2877
Delta R.T. 0.39 min
Lab File: BG046003.D
Acq: 10 Jul 2020 12:20

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.1	11.6	17.4#
183	7.4	10.4	15.6#

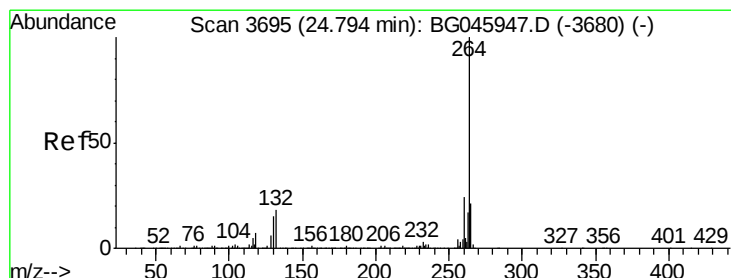
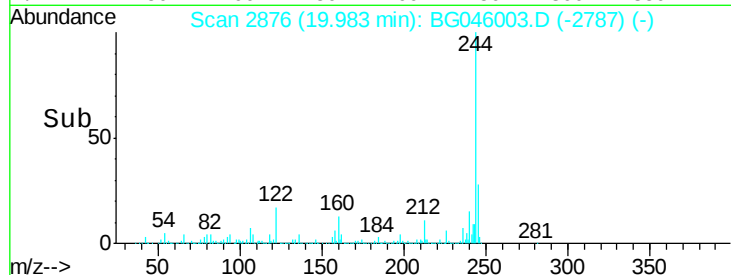
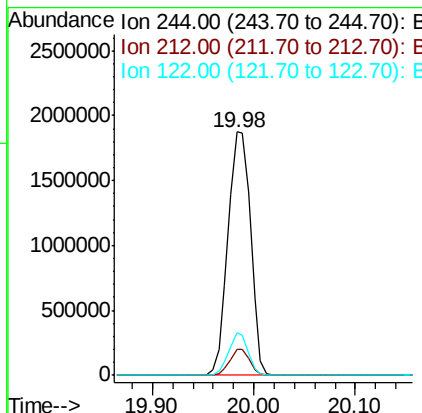
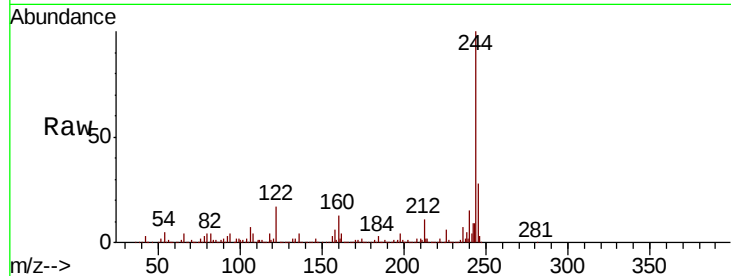




#79
 Terphenyl-d14
 Concen: 82.296 ng
 RT: 19.98 min Scan# 2876
 Delta R.T. -0.01 min
 Lab File: BG046003.D
 Acq: 10 Jul 2020 12:20

Instrument :
 BNA_G
 ClientSampleId :
 PB130070BL

Tot Ion:244 Resp: 2905360
 Ion Ratio Lower Upper
 244 100
 212 10.8 8.3 12.5
 122 17.3 12.1 18.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.78 min Scan# 3692
 Delta R.T. -0.02 min
 Lab File: BG046003.D
 Acq: 10 Jul 2020 12:20

Tgt Ion:264 Resp: 770156
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.6
 265 22.6 16.9 25.3

