

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011618\
 Data File : BG032099.D
 Acq On : 17 Jan 2018 9:50
 Operator : SJ/JU
 Sample : J1122-19
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G-1

Quant Time: Jan 17 10:43:22 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

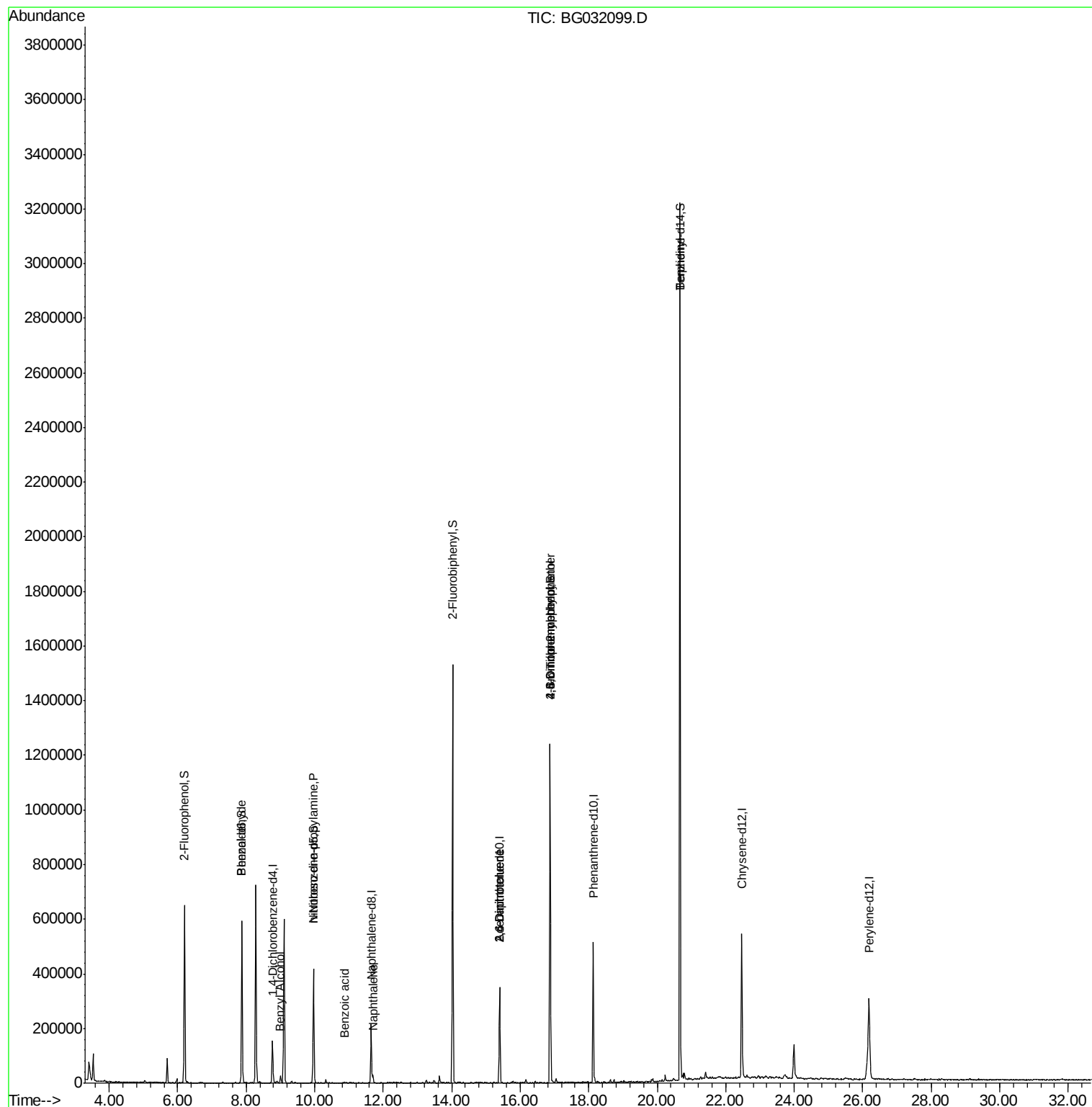
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	54685	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	205236	20.00	ng	0.00
38) Acenaphthene-d10	15.40	164	132740	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	343217	20.00	ng	0.00
75) Chrysene-d12	22.47	240	412032	20.00	ng	-0.02
86) Perylene-d12	26.19	264	420291	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	331098	110.74	ng	0.00
7) Phenol-d6	7.87	99	375827	99.80	ng	0.00
23) Nitrobenzene-d5	9.96	82	270440	89.15	ng	0.00
41) 2,4,6-Tribromophenol	16.87	330	288724	131.45	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	931933	87.05	ng	0.00
78) Terphenyl-d14	20.66	244	1709113	91.59	ng	0.00
Target Compounds						
9) Benzaldehyde	7.87	77	4480	2.053	ng	Qvalue # 83
15) Benzyl Alcohol	9.00	79	10157	3.713	ng	# 89
19) n-Nitroso-di-n-propylamine	9.96	70	36973	15.824	ng	# 76
31) Naphthalene	11.70	128	26889	2.645	ng	# 94
32) Benzoic acid	10.87	122	70	5.283	ng	# 24
50) 2,6-Dinitrotoluene	15.40	165	17396	7.215	ng	# 18
56) 2,4-Dinitrotoluene	15.40	165	17396	5.359	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.87	198	763	5.196	ng	# 38
66) 4-Bromophenyl-phenylether	16.87	248	24340	4.984	ng	# 1
76) Benzidine	20.66	184	23705	2.301	ng	# 94

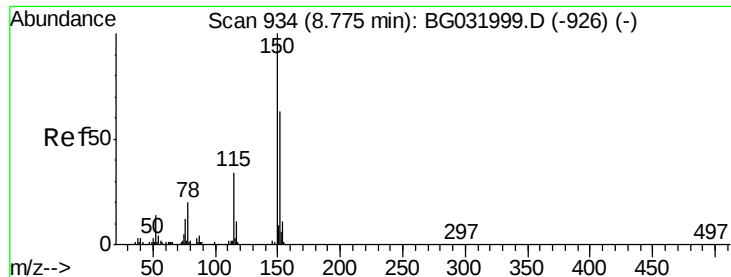
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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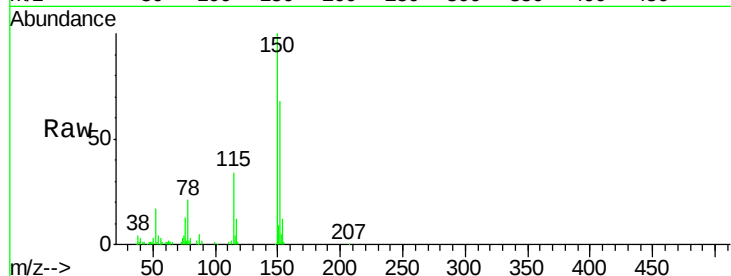


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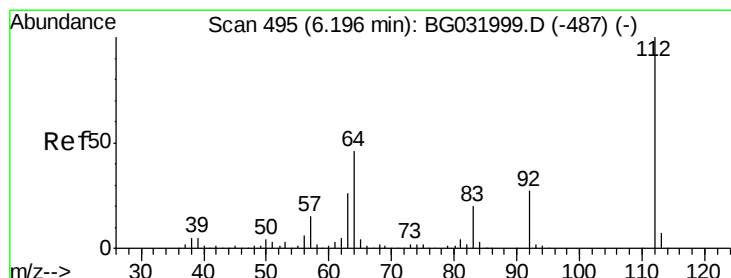
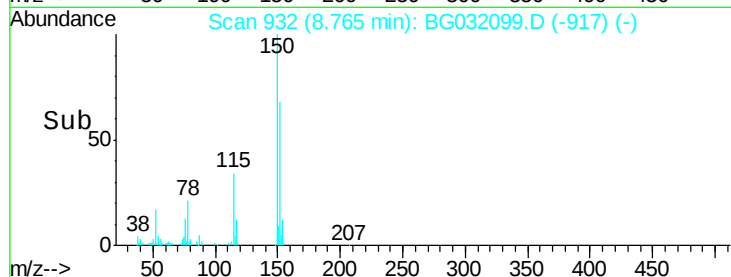
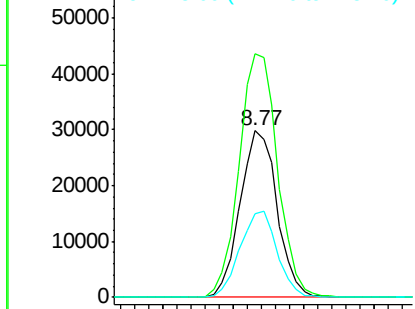
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: BG032099.D
Acq: 17 Jan 2018 9:50

Instrument :
BNA_G
ClientSampleId :
G-1

Tgt Ion:152 Resp: 54685
Ion Ratio Lower Upper
152 100
150 146.4 126.6 189.8
115 50.2 53.0 79.4#



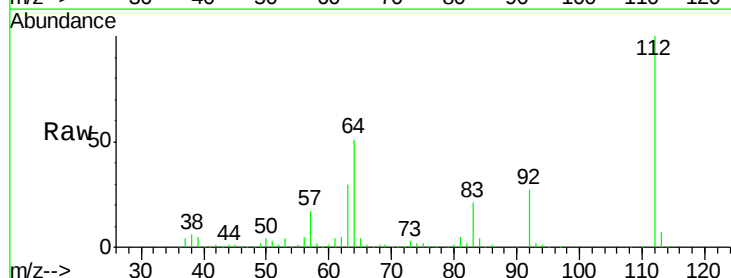
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



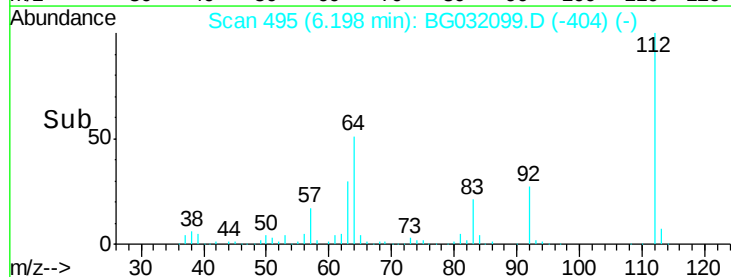
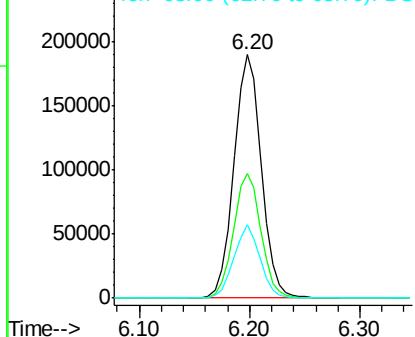
#5

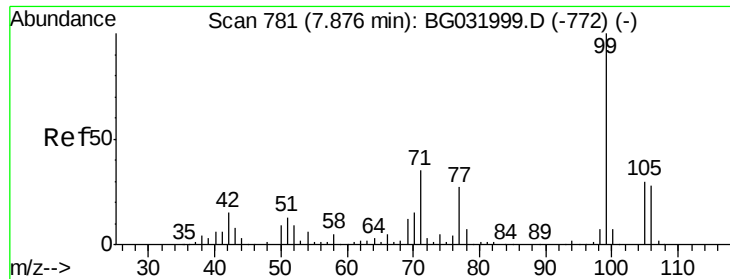
2-Fluorophenol
Concen: 110.735 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032099.D
Acq: 17 Jan 2018 9:50

Tgt Ion:112 Resp: 331098
Ion Ratio Lower Upper
112 100
64 51.1 56.3 84.5#
63 30.3 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 99.802 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

Instrument :

BNA_G

ClientSampleId :

G-1

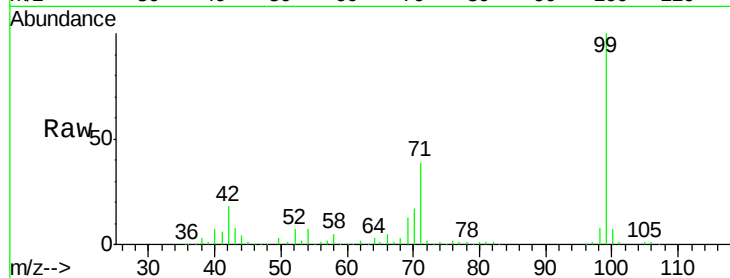
Tgt Ion: 99 Resp: 375827

Ion Ratio Lower Upper

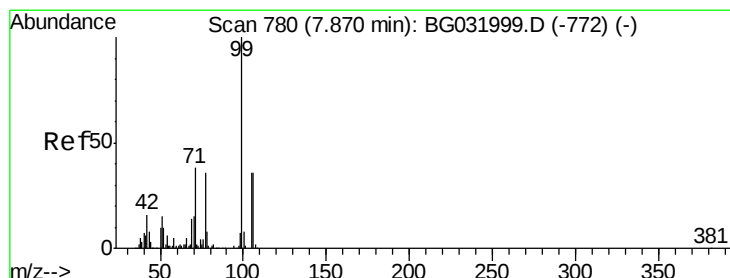
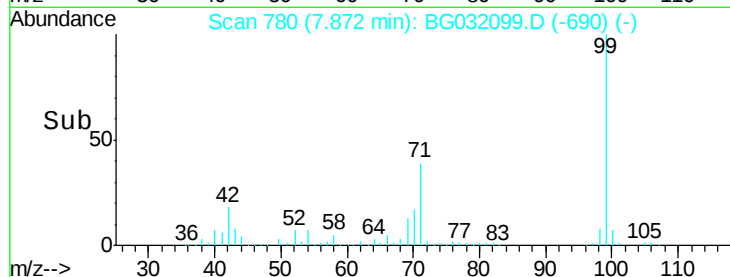
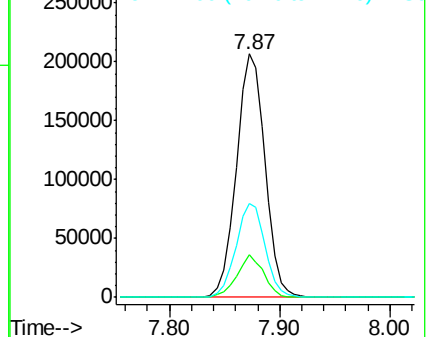
99 100

42 17.6 14.1 21.1

71 38.6 26.1 39.1



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



#9

Benzaldehyde

Concen: 2.053 ng

RT: 7.87 min Scan# 780

Delta R.T. 0.00 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

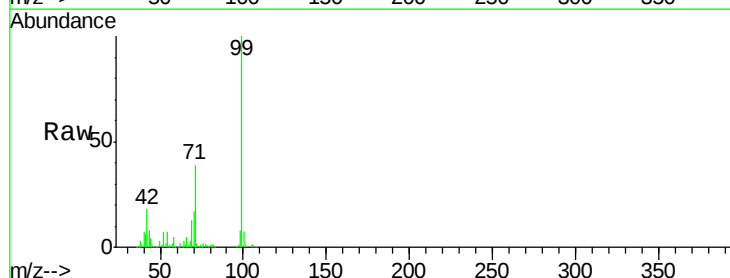
Tgt Ion: 77 Resp: 4480

Ion Ratio Lower Upper

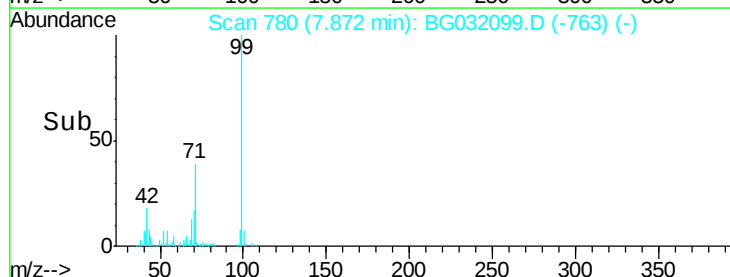
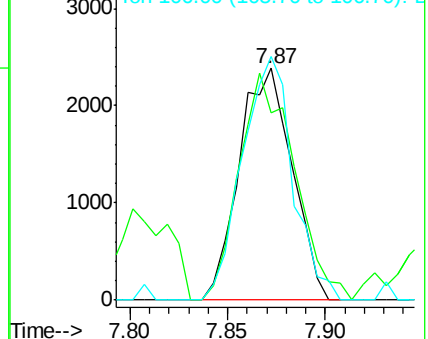
77 100

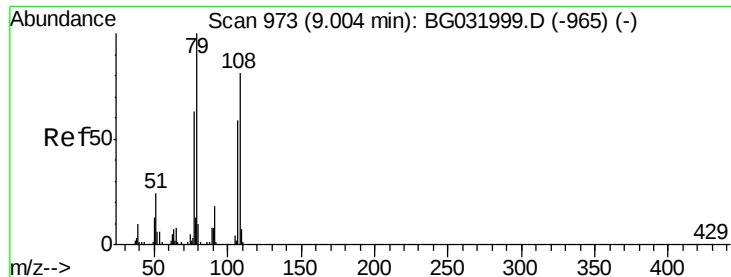
105 81.0 71.3 111.3

106 105.0 64.2 104.2#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#15

Benzyl Alcohol

Concen: 3.713 ng

RT: 9.00 min Scan# 972

Delta R.T. -0.00 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

Instrument :

BNA_G

ClientSampleId :

G-1

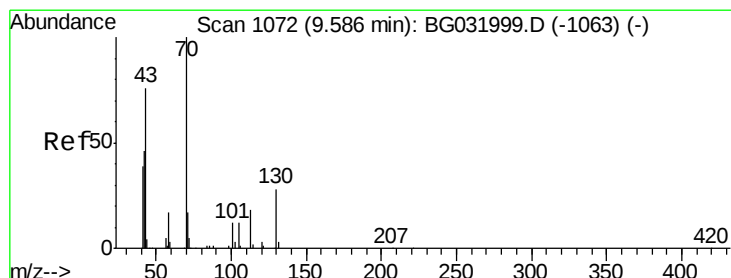
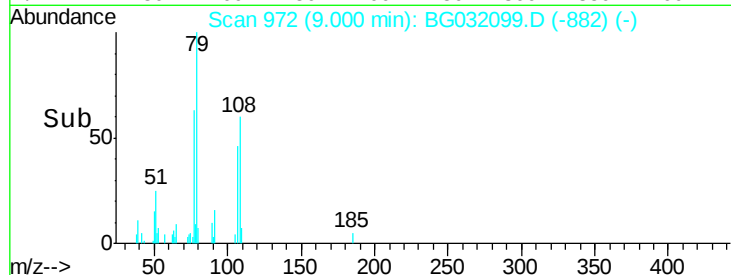
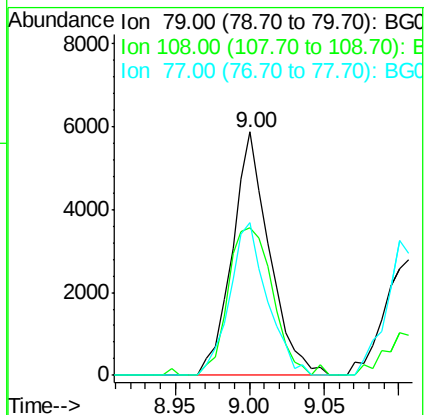
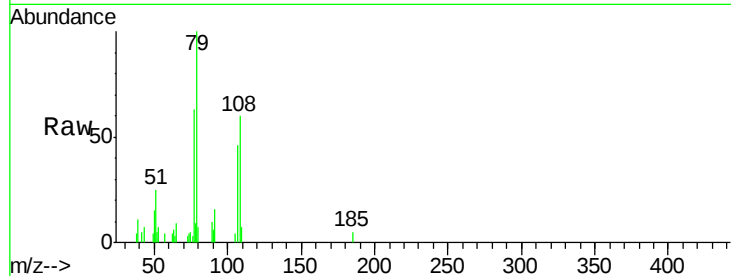
Tgt Ion: 79 Resp: 10157

Ion Ratio Lower Upper

79 100

108 60.4 57.2 85.8

77 62.8 46.1 69.1



#19

n-Nitroso-di-n-propylamine

Concen: 15.824 ng

RT: 9.96 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

Tgt Ion: 70 Resp: 36973

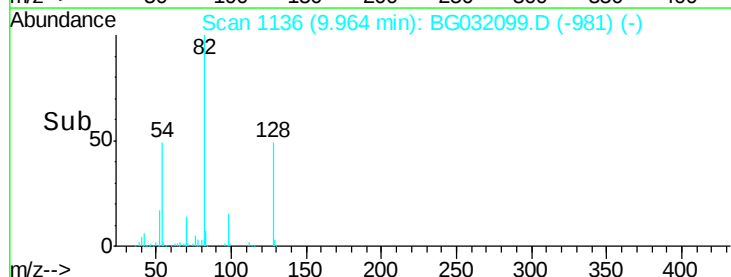
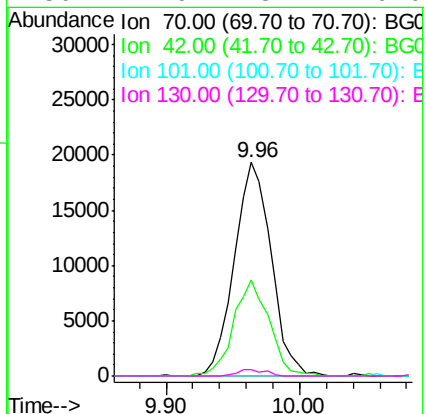
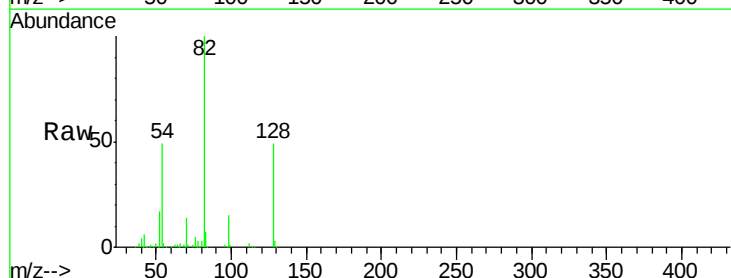
Ion Ratio Lower Upper

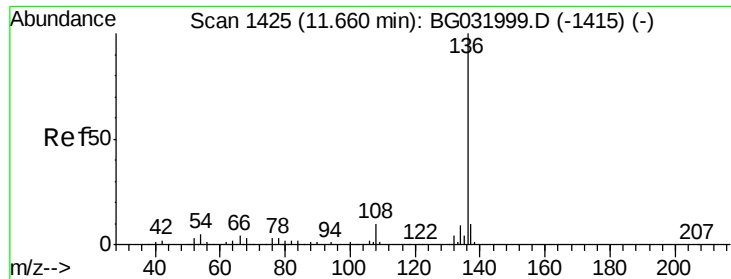
70 100

42 44.9 49.1 73.7#

101 0.0 8.5 12.7#

130 2.9 13.4 20.0#

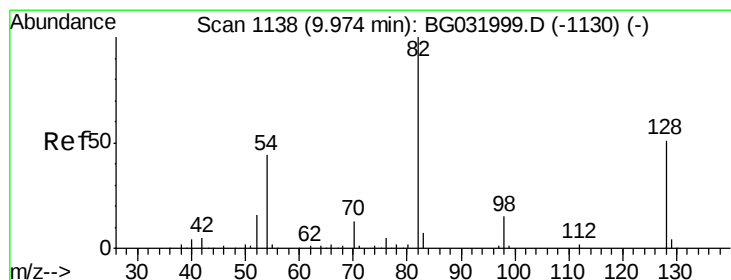
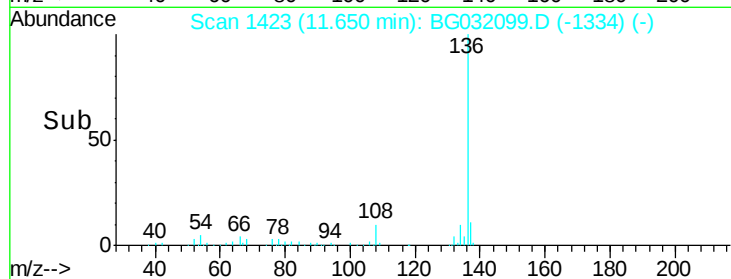
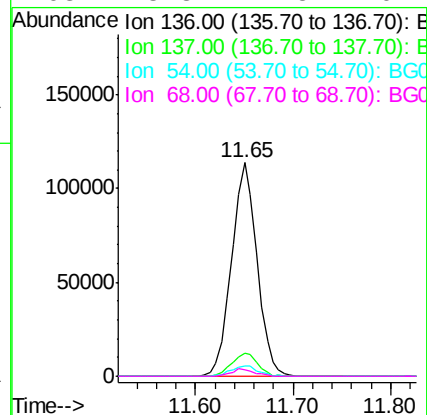
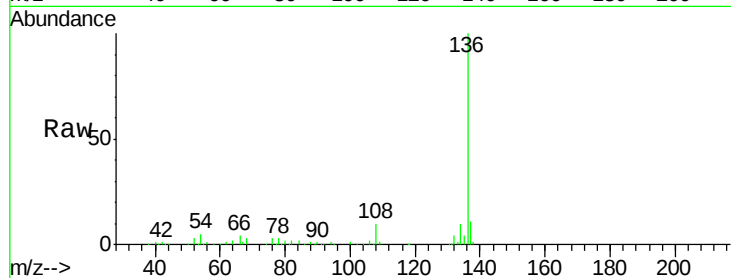




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032099.D
Acq: 17 Jan 2018 9:50

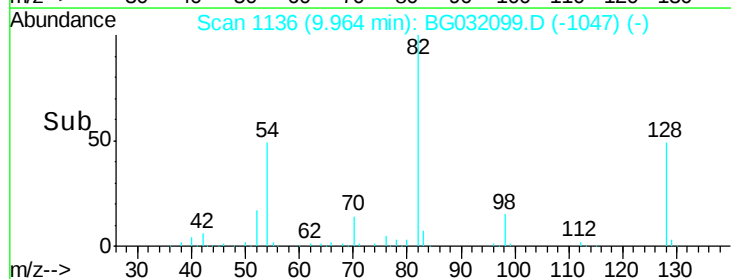
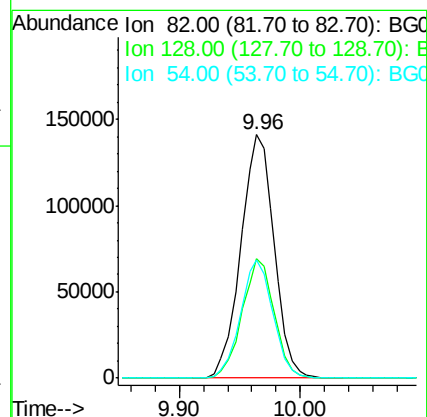
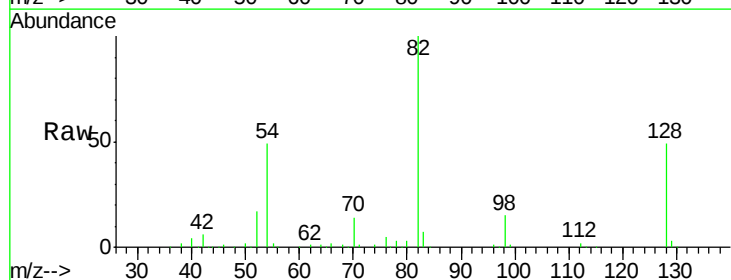
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G-1

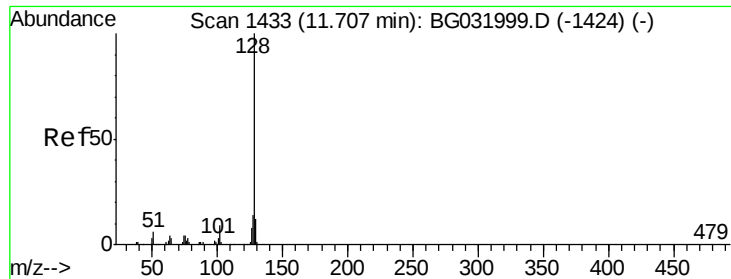
Tgt Ion:	136	Resp:	205236
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	4.6	10.3	15.5#
68	3.3	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 89.148 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032099.D
Acq: 17 Jan 2018 9:50

Tgt Ion:	82	Resp:	270440
Ion	Ratio	Lower	Upper
82	100		
128	49.0	29.7	44.5#
54	48.7	43.1	64.7

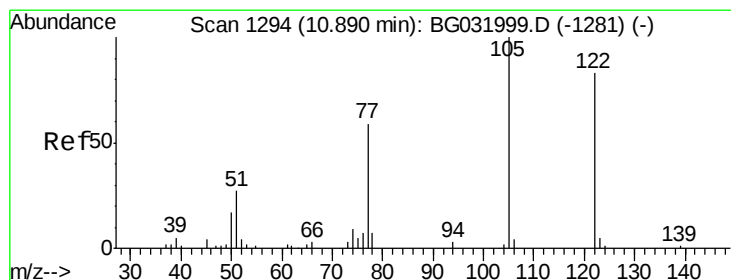
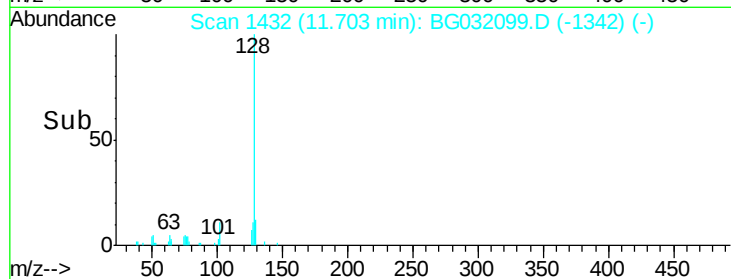
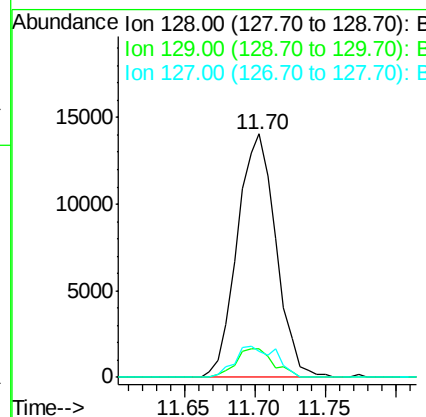
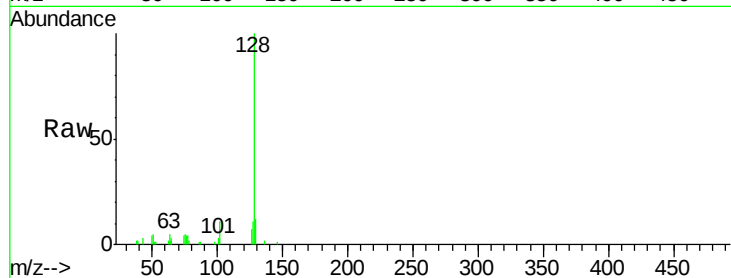




#31
Naphthalene
Concen: 2.645 ng
RT: 11.70 min Scan# 1432
Delta R.T. -0.00 min
Lab File: BG032099.D
Acq: 17 Jan 2018 9:50

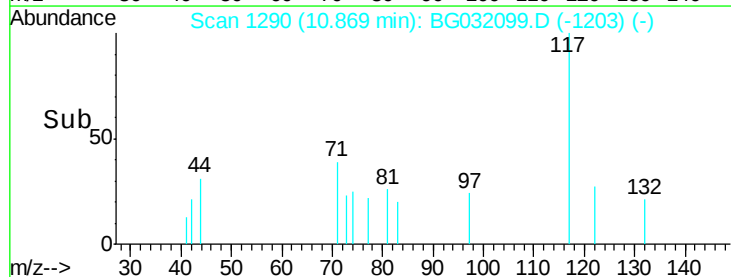
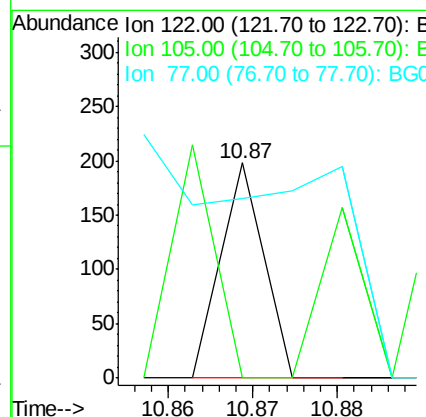
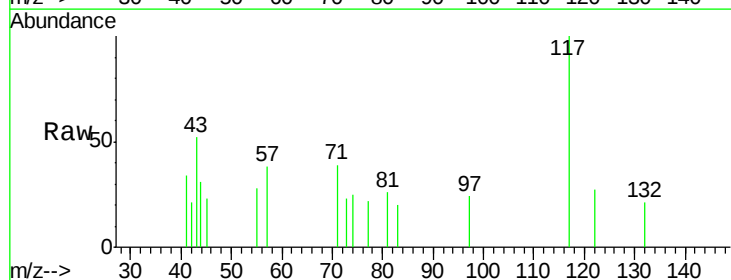
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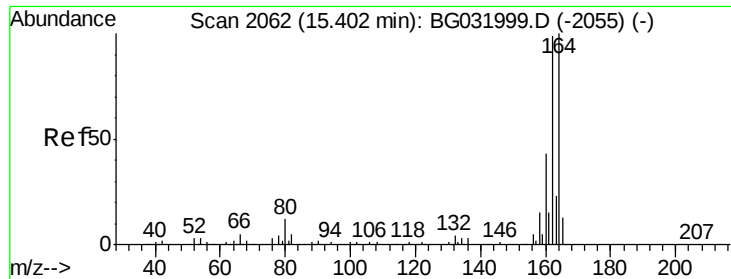
Tgt Ion:128 Resp: 26889
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 10.8 11.6 17.4#



#32
Benzoic acid
Concen: 5.283 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG032099.D
Acq: 17 Jan 2018 9:50

Tgt Ion:122 Resp: 70
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 83.3 85.7 125.7#

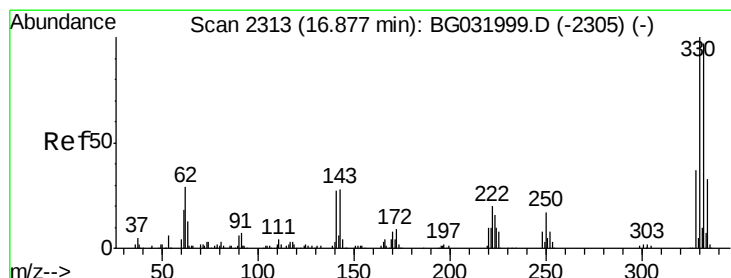
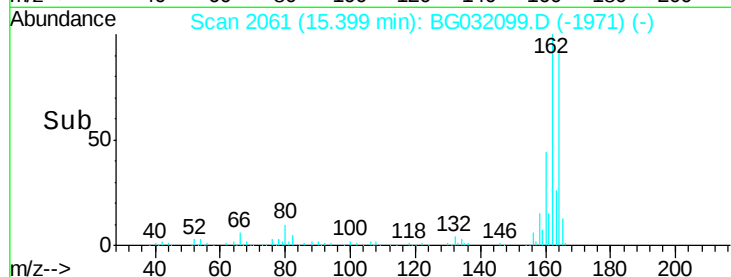
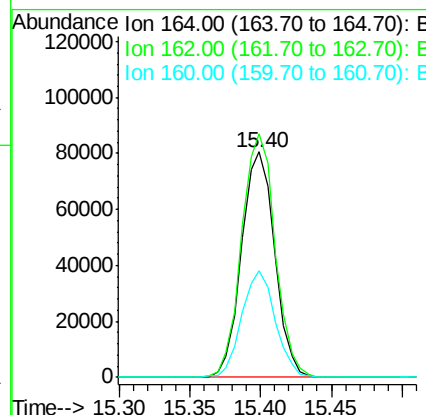
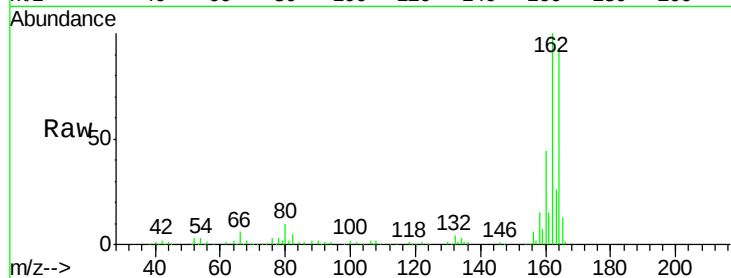




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BG032099.D
Acq: 17 Jan 2018 9:50

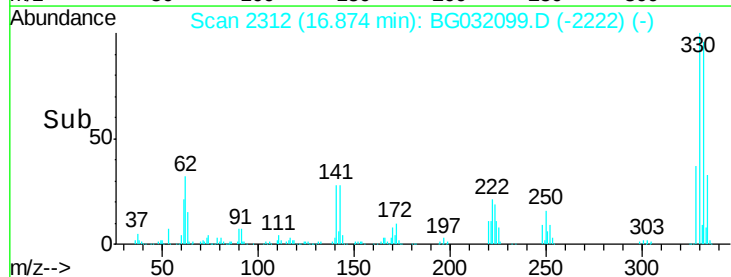
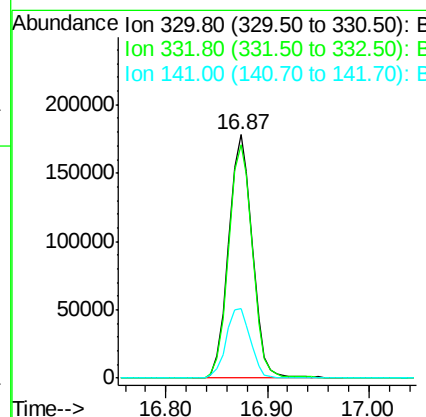
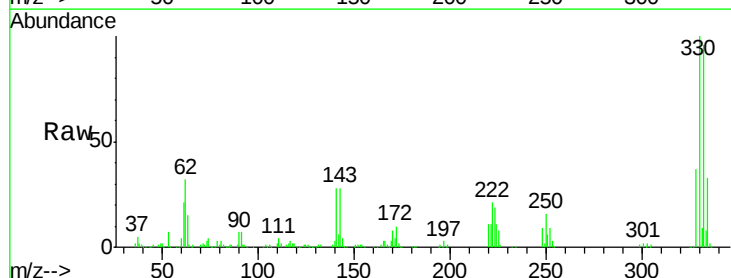
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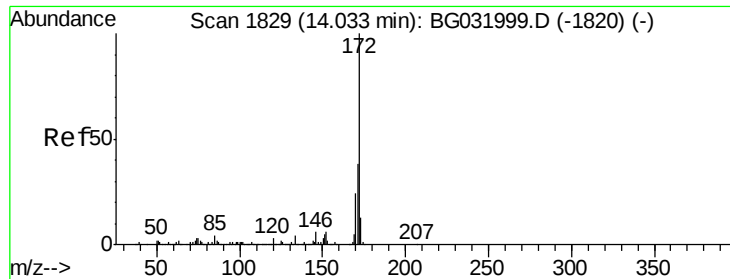
Tgt Ion:164 Resp: 132740
Ion Ratio Lower Upper
164 100
162 107.9 78.8 118.2
160 47.3 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 131.445 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.00 min
Lab File: BG032099.D
Acq: 17 Jan 2018 9:50

Tgt Ion:330 Resp: 288724
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 29.4 25.2 37.8





#44

2-Fluorobiphenyl

Concen: 87.054 ng

RT: 14.03 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

Instrument :

BNA_G

ClientSampleId :

G-1

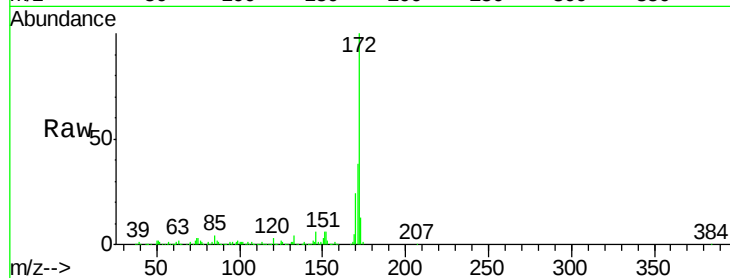
Tgt Ion:172 Resp: 931933

Ion Ratio Lower Upper

172 100

171 37.9 30.0 45.0

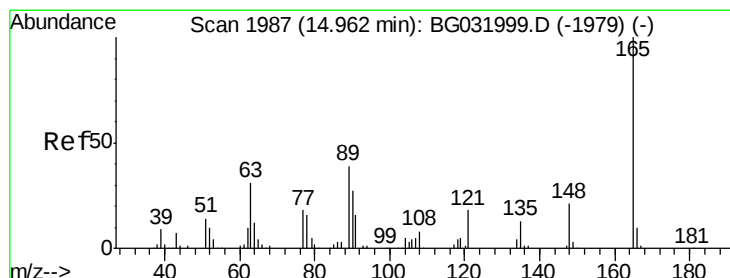
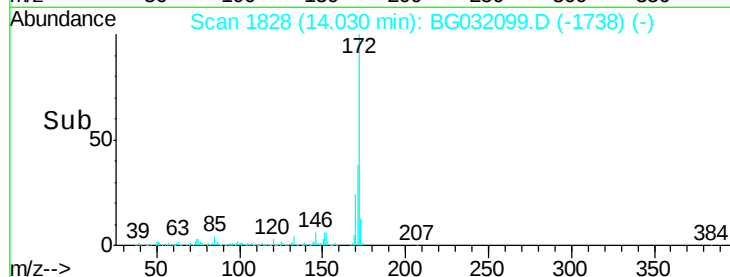
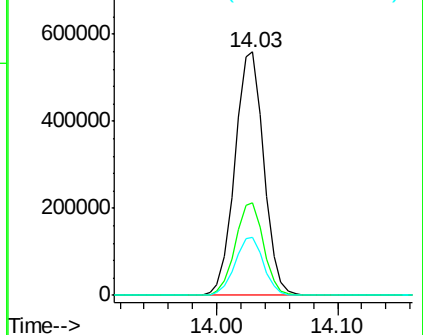
170 23.8 19.5 29.3



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



#50

2,6-Dinitrotoluene

Concen: 7.215 ng

RT: 15.40 min Scan# 2061

Delta R.T. 0.44 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

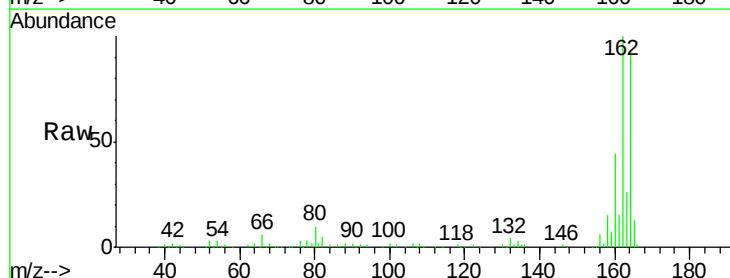
Tgt Ion:165 Resp: 17396

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

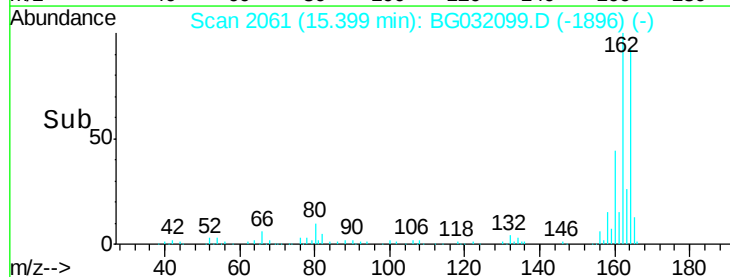
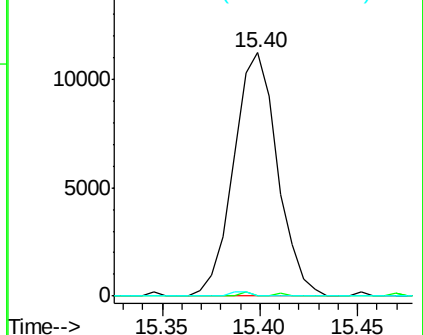
89 0.0 49.2 73.8#

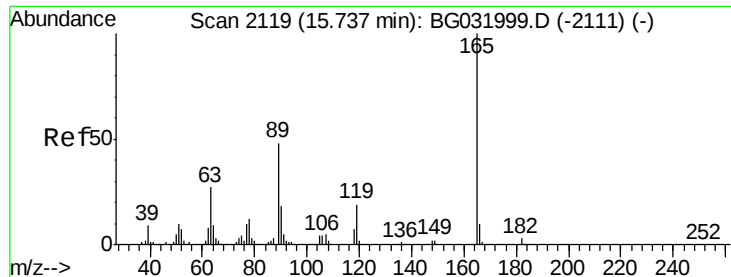


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

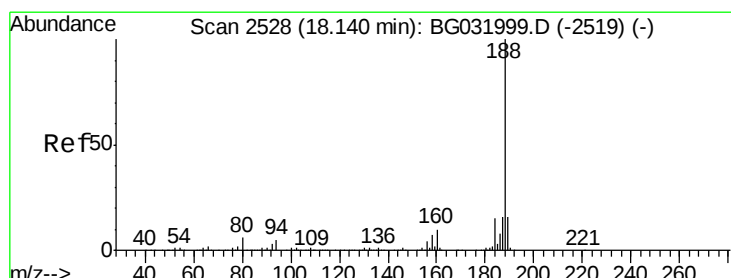
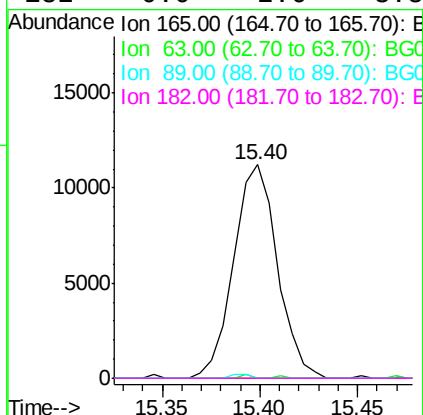
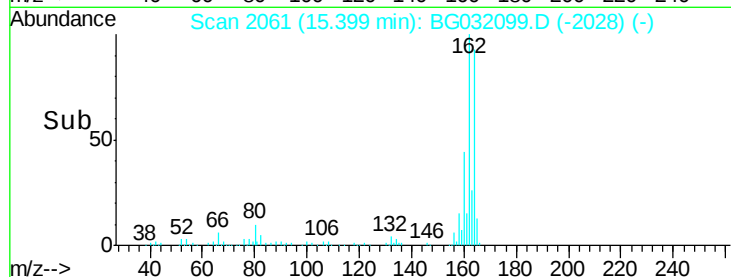
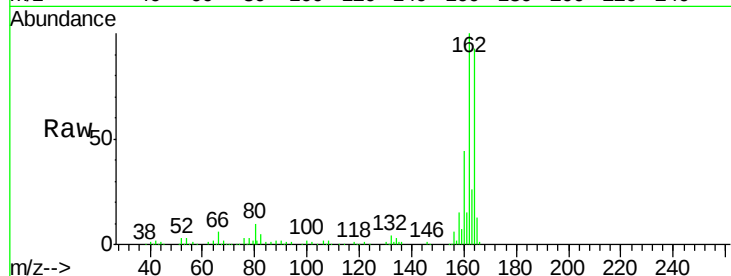




#56
 2,4-Dinitrotoluene
 Concen: 5.359 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032099.D
 Acq: 17 Jan 2018 9:50

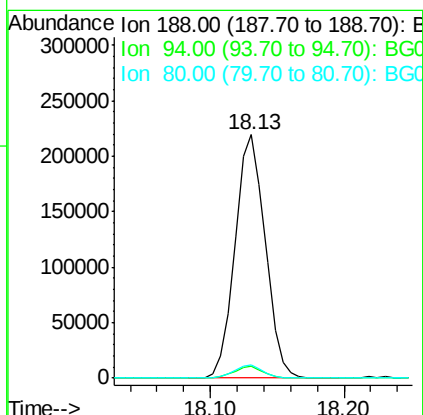
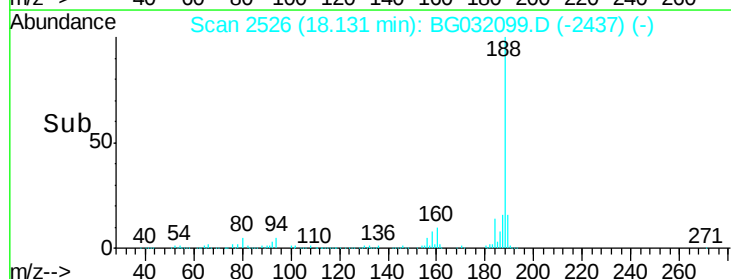
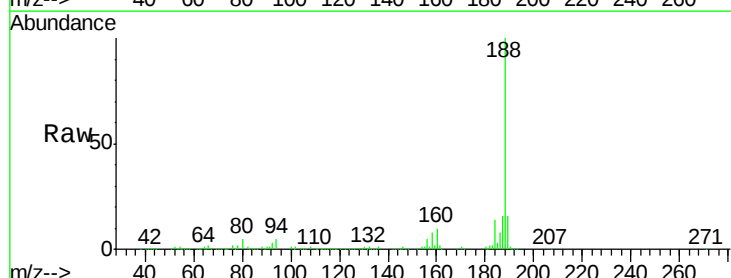
Instrument :
 BNA_G
 ClientSampleId :
 G-1

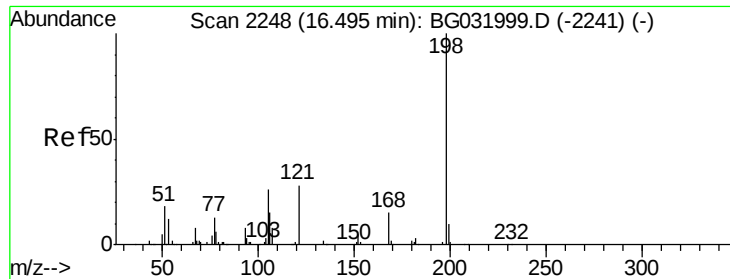
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG032099.D
 Acq: 17 Jan 2018 9:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.1	6.9	10.3#
80	5.3	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.196 ng

RT: 16.87 min Scan# 2312

Delta R.T. 0.38 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

Instrument :

BNA_G

ClientSampleId :

G-1

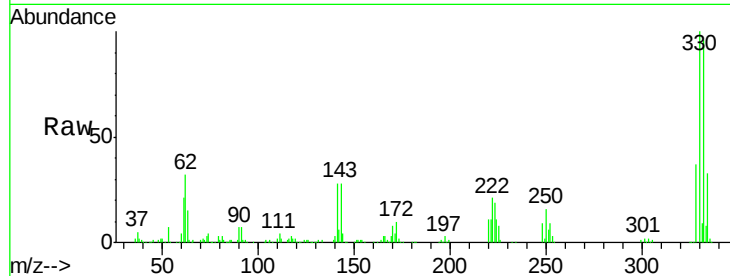
Tgt Ion:198 Resp: 763

Ion Ratio Lower Upper

198 100

51 94.7 30.6 70.6#

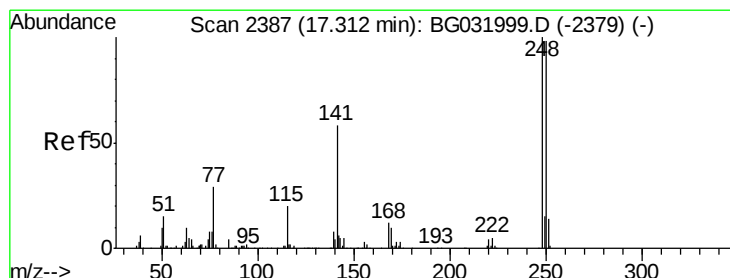
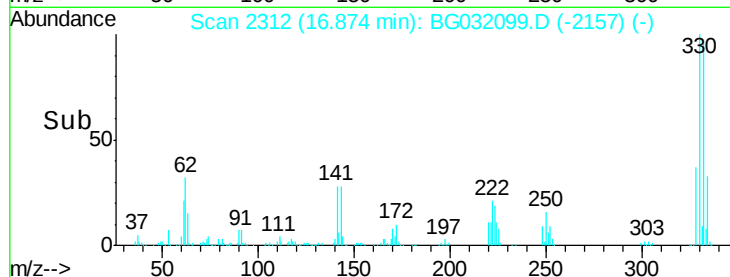
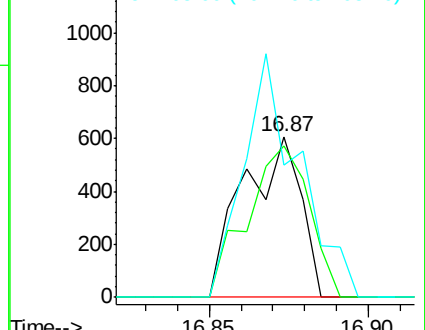
105 82.2 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.984 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.44 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

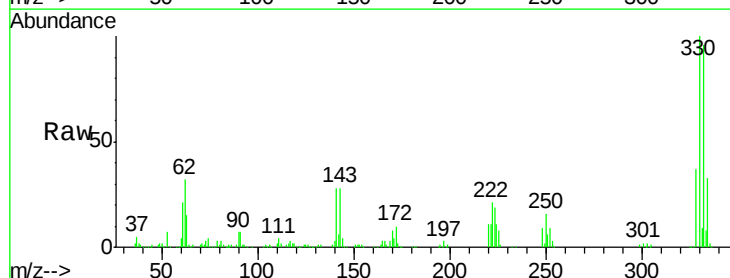
Tgt Ion:248 Resp: 24340

Ion Ratio Lower Upper

248 100

250 190.2 77.1 115.7#

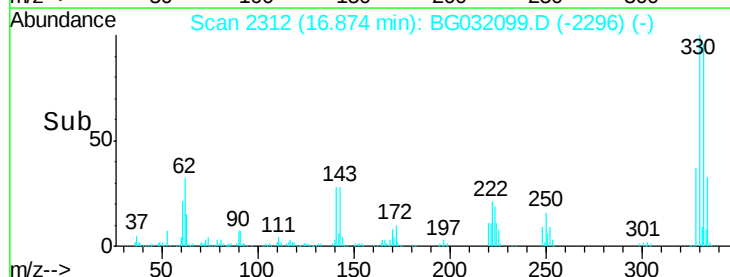
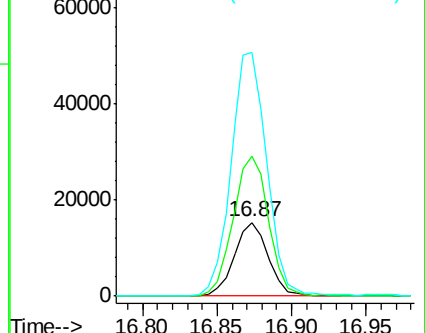
141 331.2 50.8 76.2#

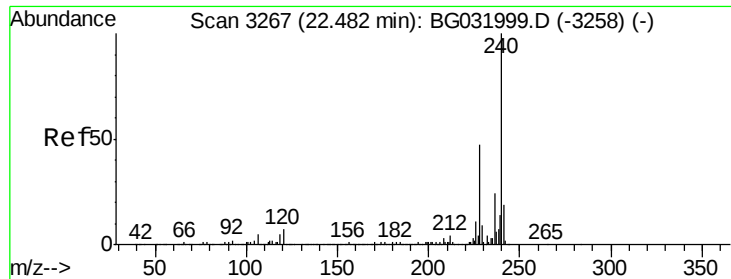


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.47 min Scan# 3264

Delta R.T. -0.02 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

Instrument :

BNA_G

ClientSampled :

G-1

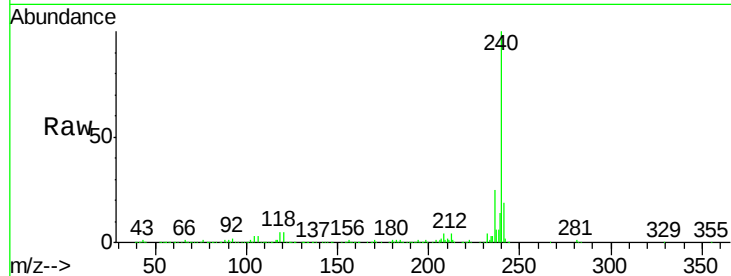
Tgt Ion:240 Resp: 412032

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

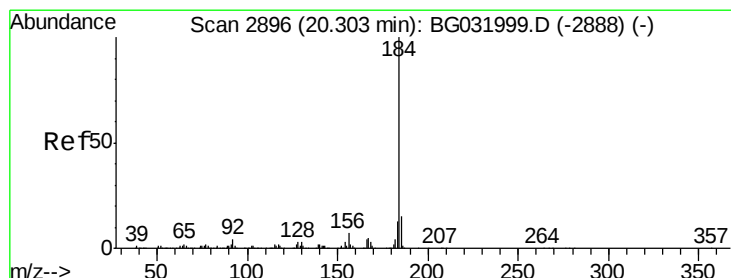
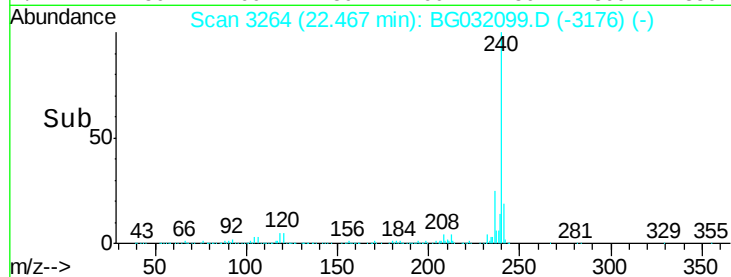
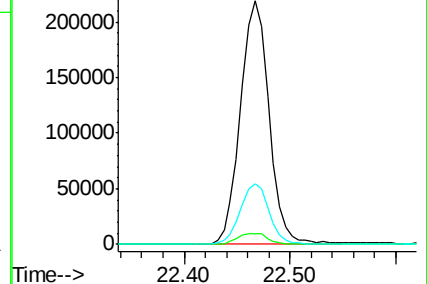
236 25.1 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.301 ng

RT: 20.66 min Scan# 2957

Delta R.T. 0.36 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

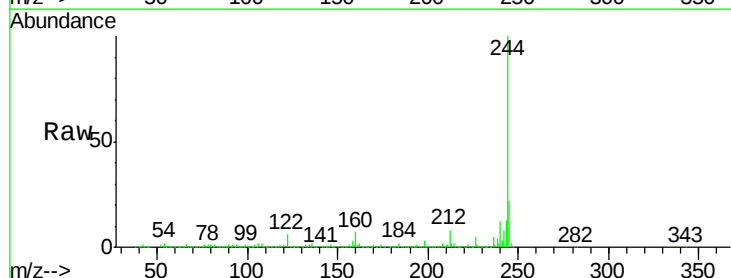
Tgt Ion:184 Resp: 23705

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

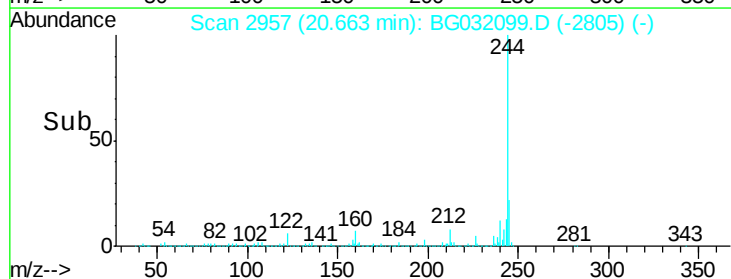
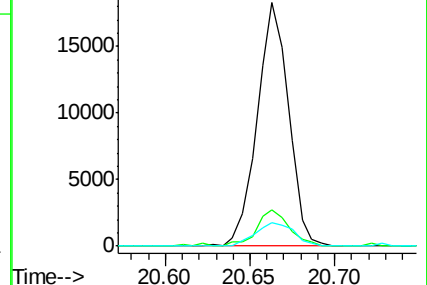
183 9.6 10.6 16.0#

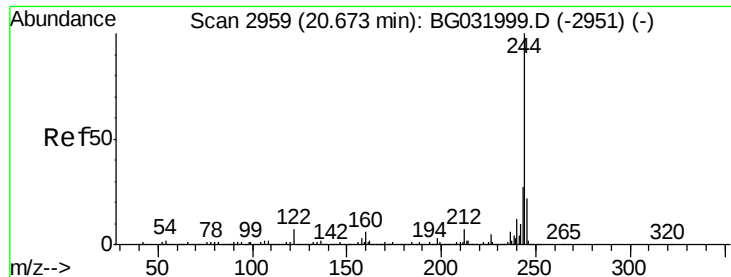


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.590 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

Instrument :

BNA_G

ClientSampleId :

G-1

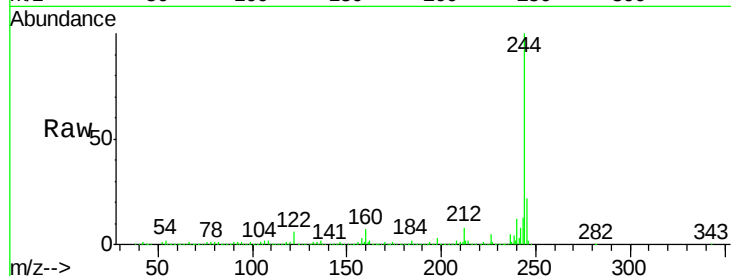
Tgt Ion:244 Resp: 1709113

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

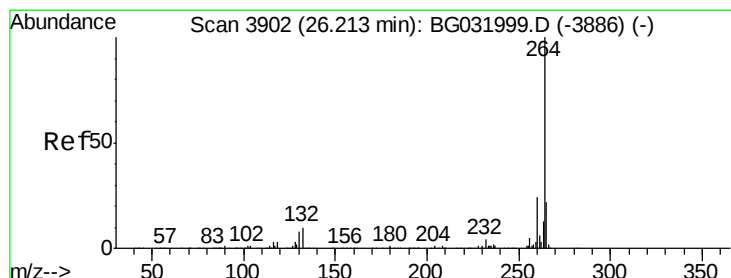
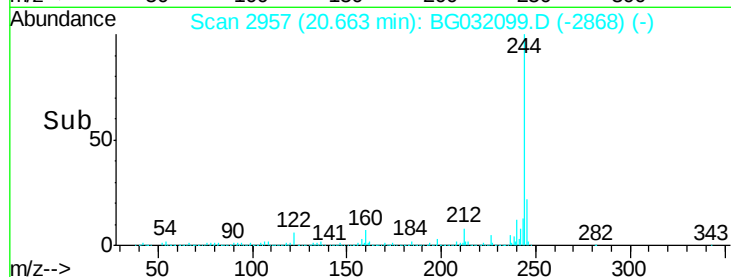
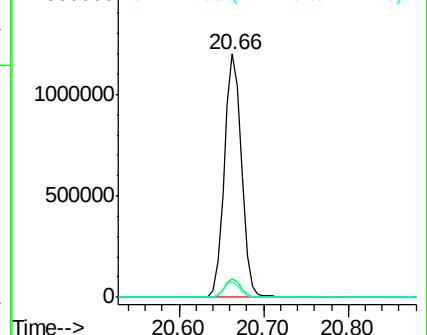
122 6.4 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.19 min Scan# 3897

Delta R.T. -0.03 min

Lab File: BG032099.D

Acq: 17 Jan 2018 9:50

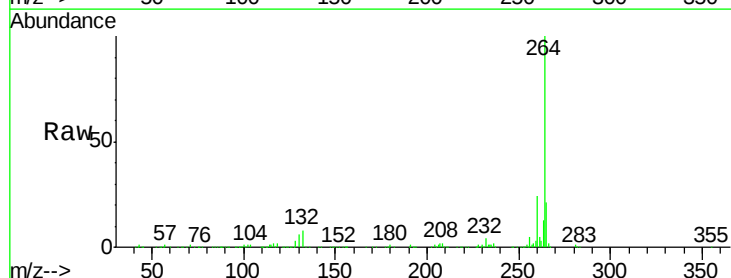
Tgt Ion:264 Resp: 420291

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 20.9 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

