

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011718\
 Data File : BG032112.D
 Acq On : 17 Jan 2018 22:21
 Operator : SJ/JU
 Sample : J1166-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 18 05:19:49 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

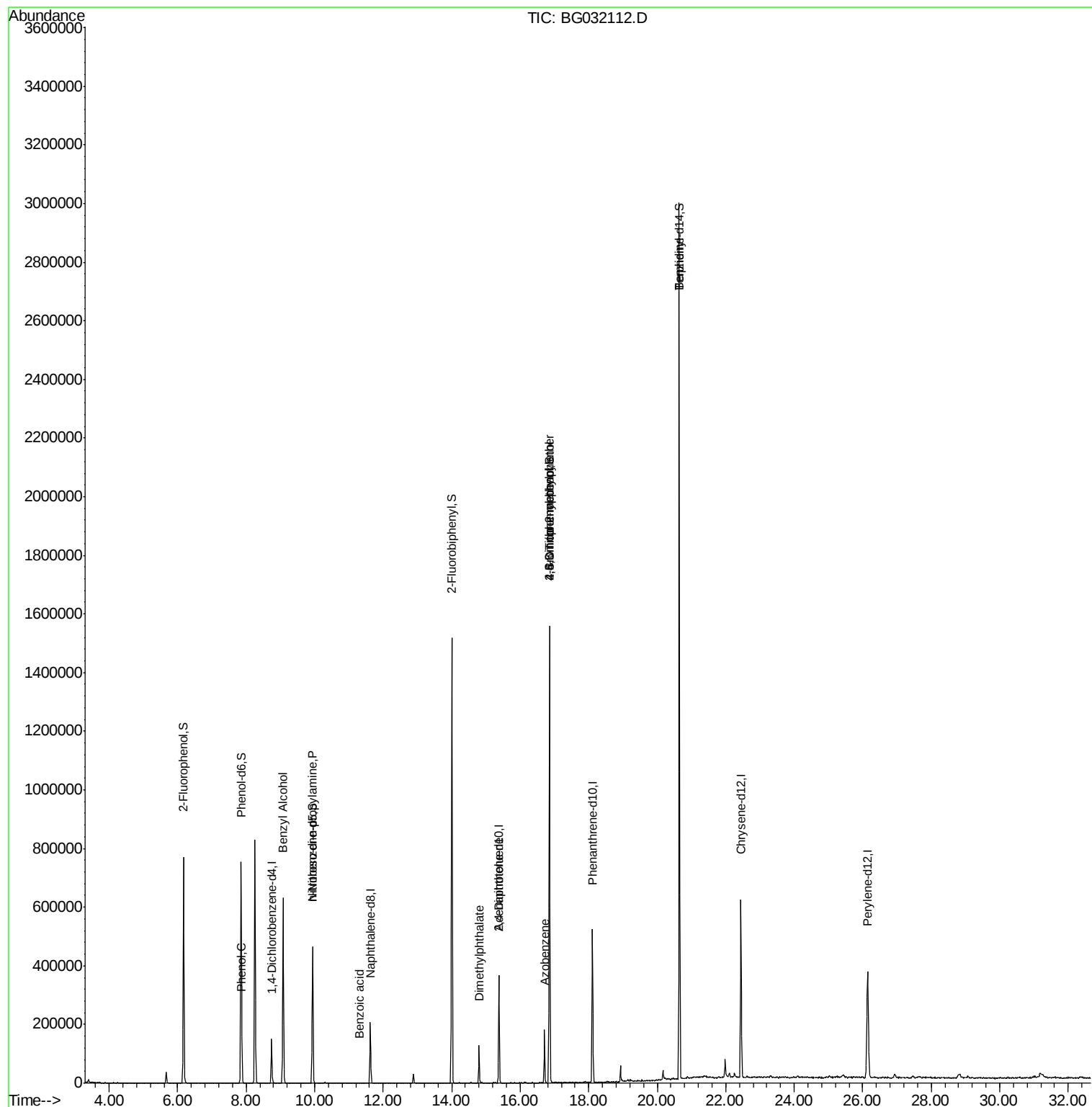
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	50012	20.00	ng	-0.03
21) Naphthalene-d8	11.62	136	202239	20.00	ng	-0.04
38) Acenaphthene-d10	15.38	164	144829	20.00	ng	-0.03
63) Phenanthrene-d10	18.11	188	383177	20.00	ng	-0.03
75) Chrysene-d12	22.45	240	470645	20.00	ng	-0.03
86) Perylene-d12	26.15	264	496170	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	393597	143.94	ng	-0.03
7) Phenol-d6	7.85	99	490636	142.46	ng	-0.03
23) Nitrobenzene-d5	9.94	82	296181	99.08	ng	-0.03
41) 2,4,6-Tribromophenol	16.86	330	365479	152.50	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	897354	76.83	ng	-0.03
78) Terphenyl-d14	20.65	244	1630084	76.48	ng	-0.03
Target Compounds						
10) Phenol	7.88	94	18216	5.369	ng	93
15) Benzyl Alcohol	9.08	79	5059	2.022	ng	# 43
19) n-Nitroso-di-n-propylamine	9.94	70	41786	19.555	ng	# 71
32) Benzoic acid	11.29	122	126	5.306	ng	# 1
49) Dimethylphthalate	14.80	163	98074	7.738	ng	# 99
56) 2,4-Dinitrotoluene	15.38	165	18260	5.156	ng	# 18
62) Azobenzene	16.71	77	45149	5.871	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.85	198	774	5.168	ng	# 1
66) 4-Bromophenyl-phenylether	16.86	248	30505	5.595	ng	# 1
76) Benzidine	20.65	184	23600	2.005	ng	# 92

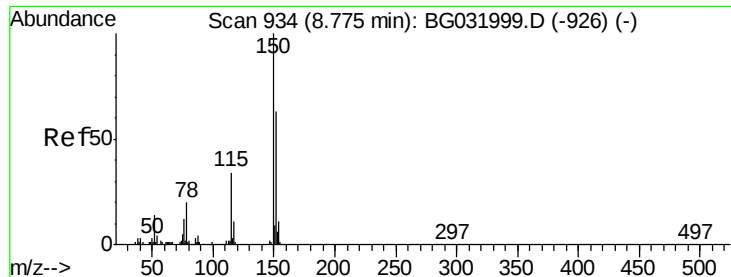
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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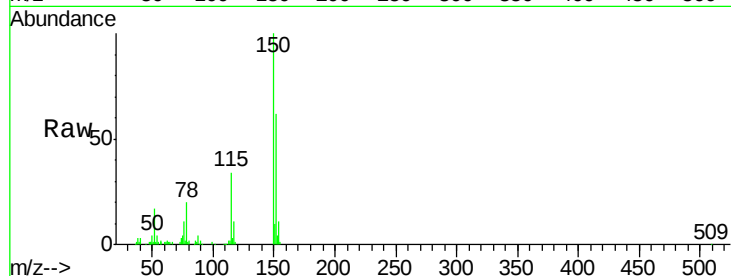


#1

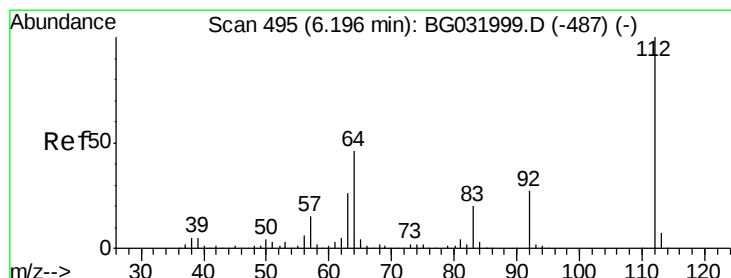
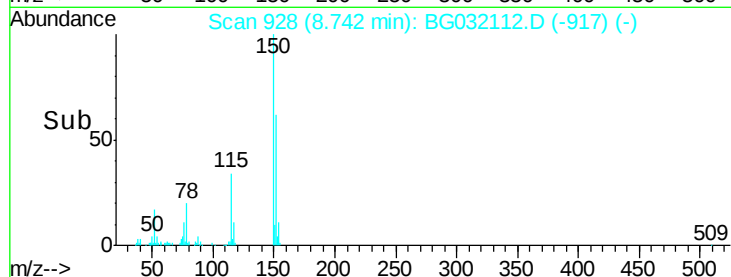
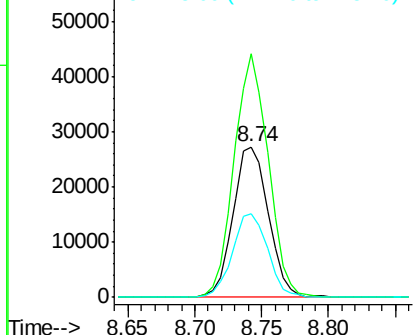
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.03 min
Lab File: BG032112.D
Acq: 17 Jan 2018 22:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	126.6	189.8
115	55.6	53.0	79.4



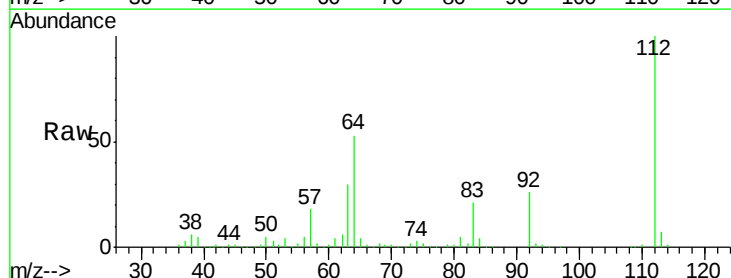
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



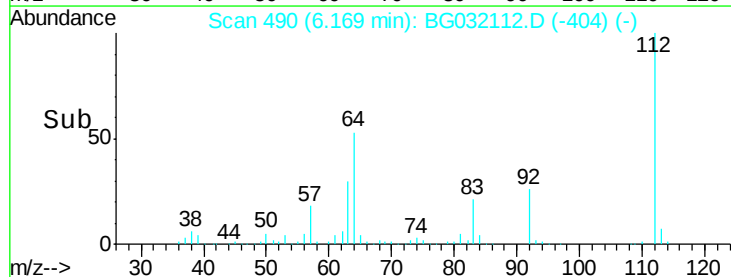
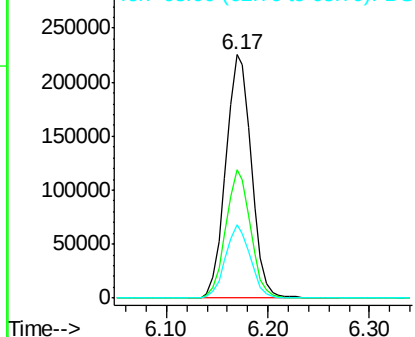
#5

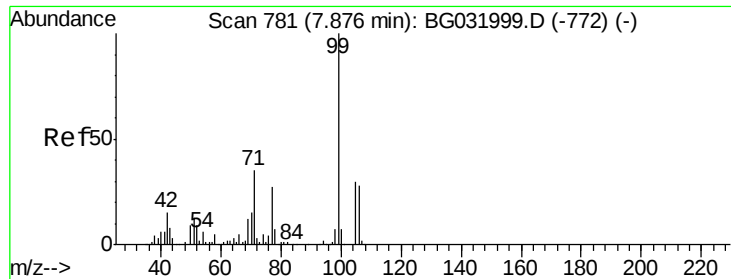
2-Fluorophenol
Concen: 143.938 ng
RT: 6.17 min Scan# 490
Delta R.T. -0.03 min
Lab File: BG032112.D
Acq: 17 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	56.3	84.5#
63	30.2	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 142.464 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.03 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

Instrument :

BNA_G

ClientSampleId :

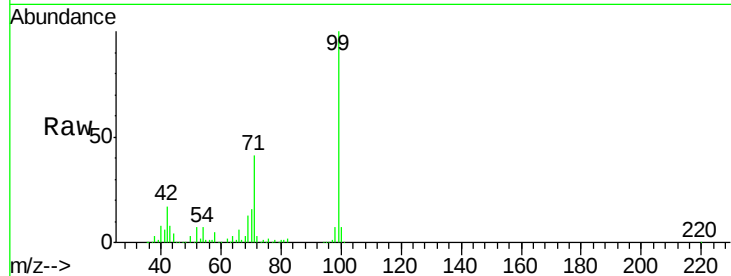
Tot Ion: 99 Resp: 490636

Ion Ratio Lower Upper

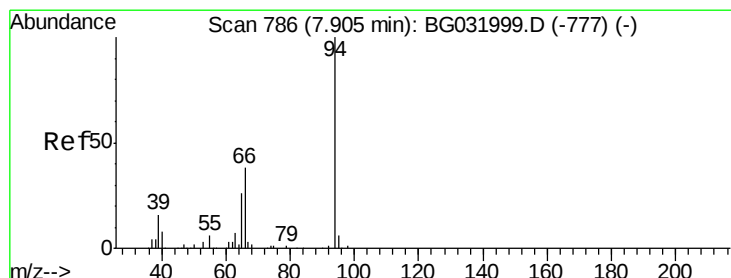
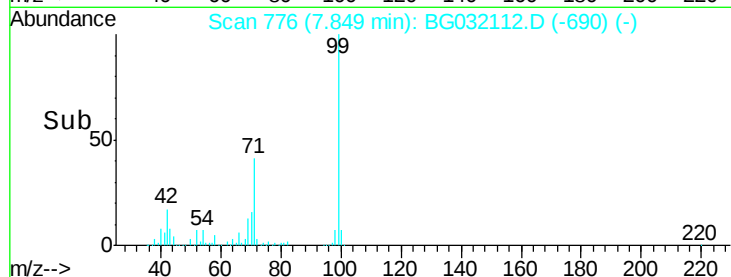
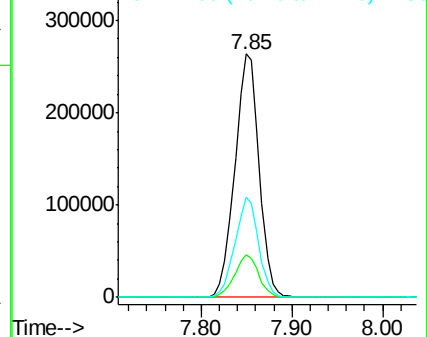
99 100

42 17.4 14.1 21.1

71 41.0 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



#10

Phenol

Concen: 5.369 ng

RT: 7.88 min Scan# 781

Delta R.T. -0.03 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

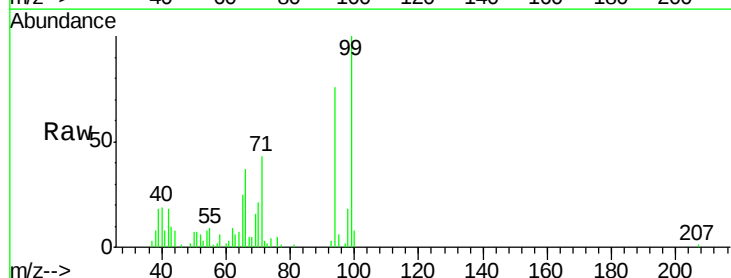
Tgt Ion: 94 Resp: 18216

Ion Ratio Lower Upper

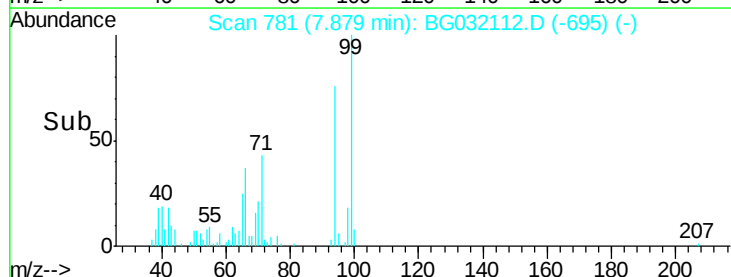
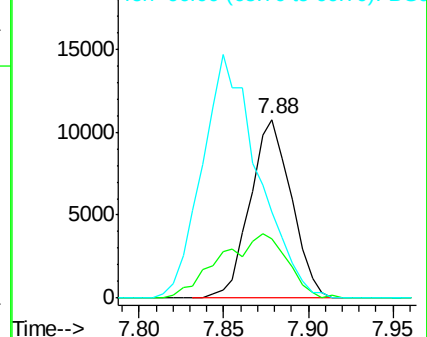
94 100

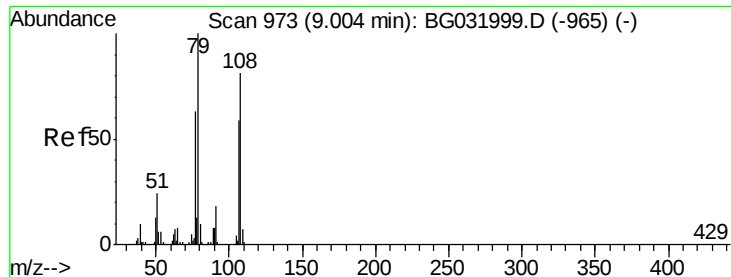
65 33.2 11.9 51.9

66 48.3 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.022 ng

RT: 9.08 min Scan# 985

Delta R.T. 0.07 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

Instrument :

BNA_G

ClientSampleId :

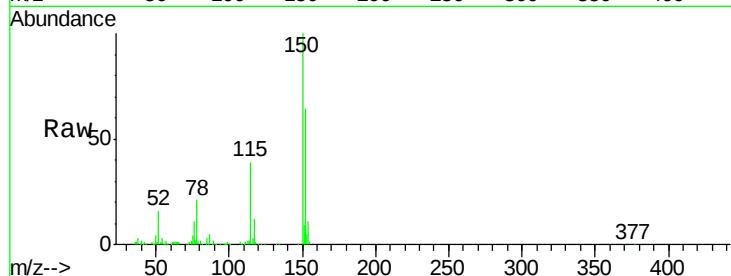
Tot Ion: 79 Resp: 5059

Ion Ratio Lower Upper

79 100

108 36.5 57.2 85.8#

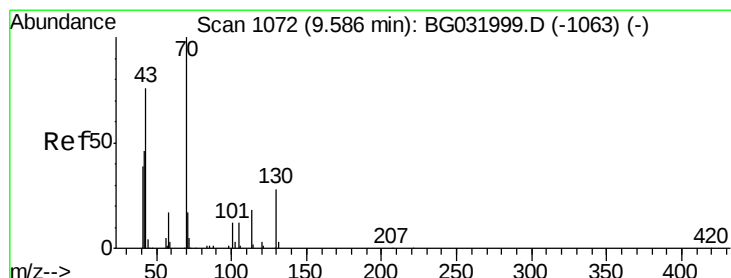
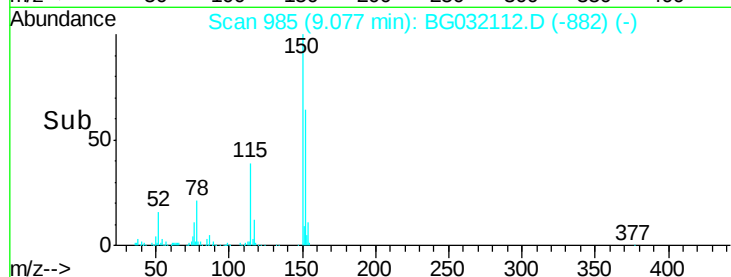
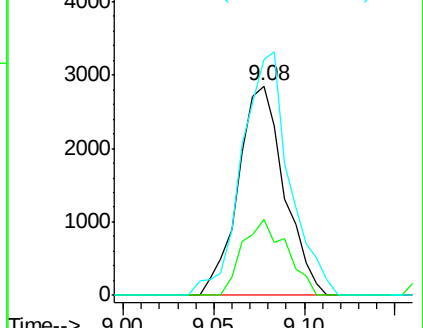
77 113.0 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 19.555 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.36 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

Tgt Ion: 70 Resp: 41786

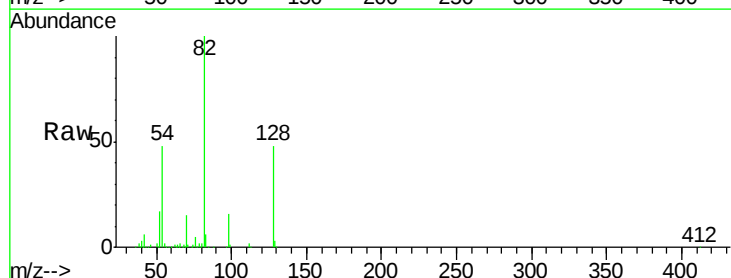
Ion Ratio Lower Upper

70 100

42 40.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

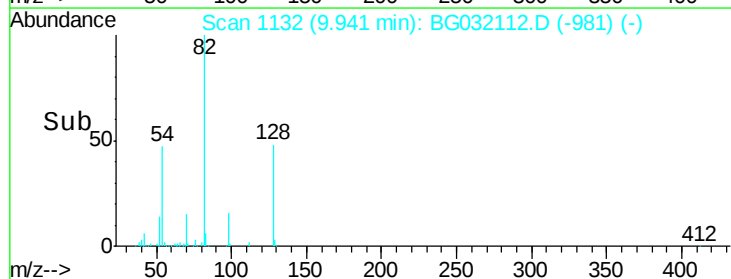
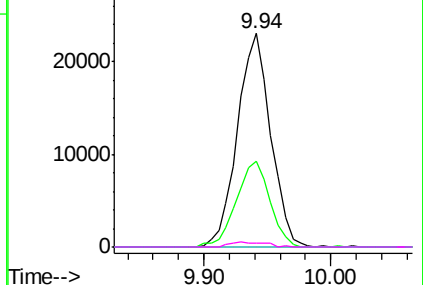


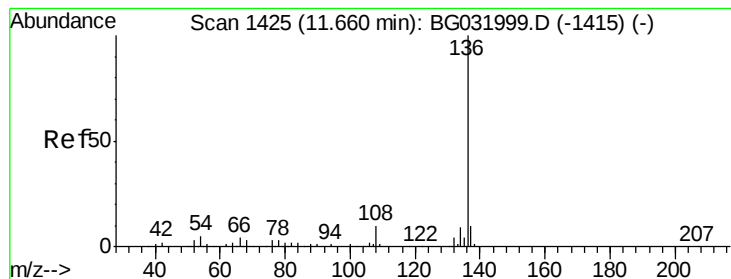
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.62 min Scan# 1418

Delta R.T. -0.04 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 202239

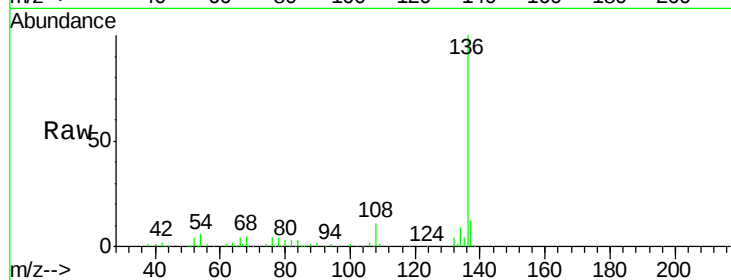
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 6.0 10.3 15.5#

68 4.9 4.5 6.7

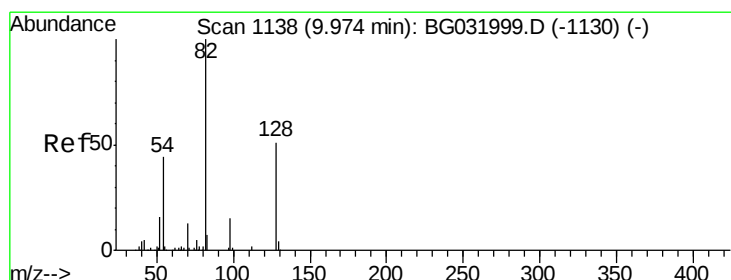
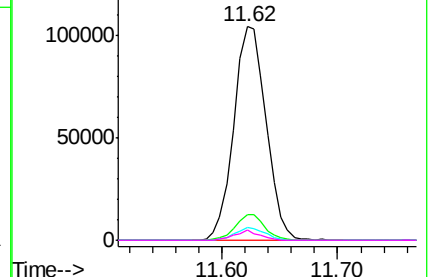
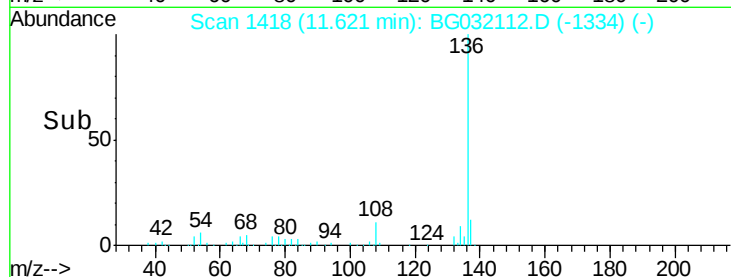


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 99.080 ng

RT: 9.94 min Scan# 1132

Delta R.T. -0.03 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

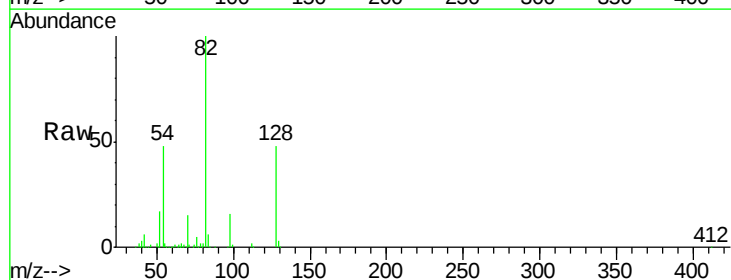
Tgt Ion: 82 Resp: 296181

Ion Ratio Lower Upper

82 100

128 48.5 29.7 44.5#

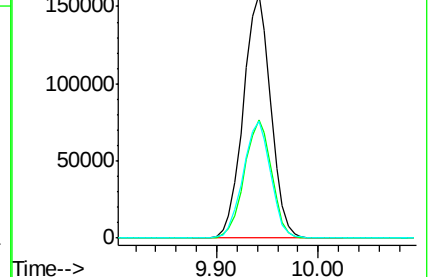
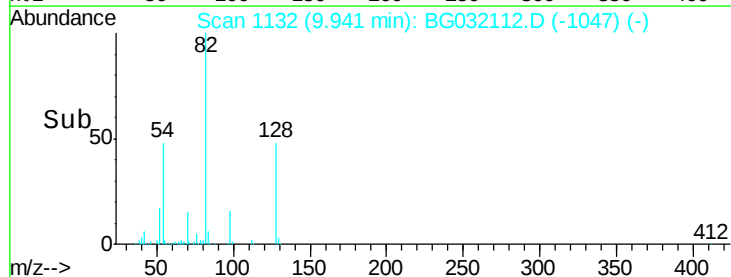
54 48.2 43.1 64.7

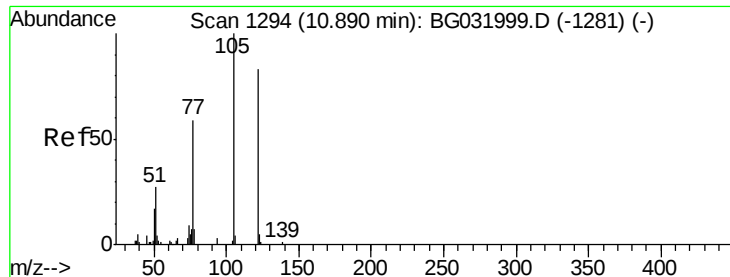


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 5.306 ng

RT: 11.29 min Scan# 1362

Delta R.T. 0.40 min

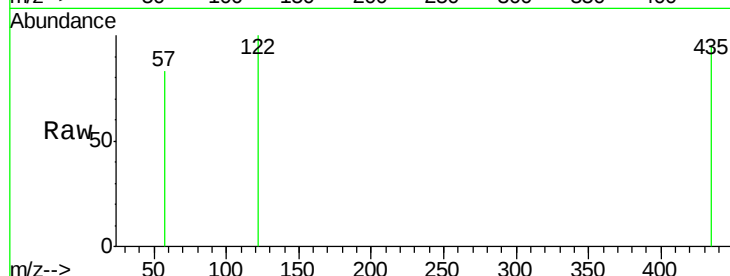
Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

Instrument :

BNA_G

ClientSampleId :



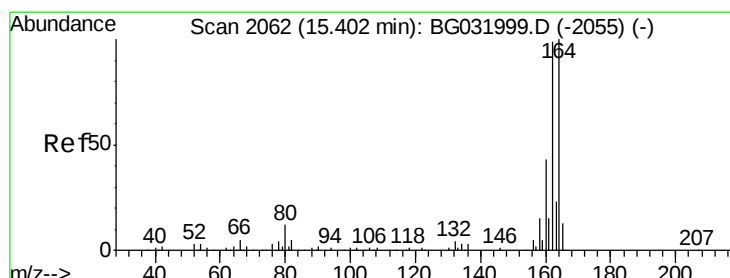
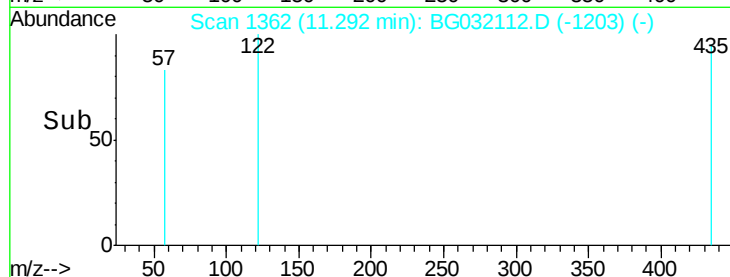
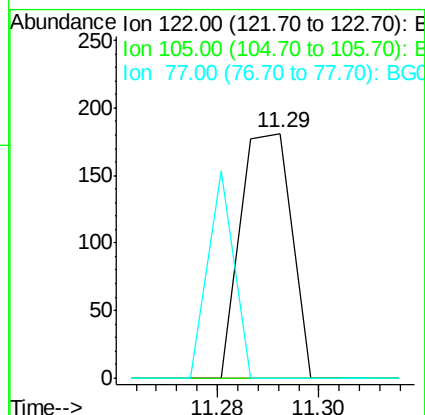
Tot Ion:122 Resp: 126

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 85.7 125.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2057

Delta R.T. -0.03 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

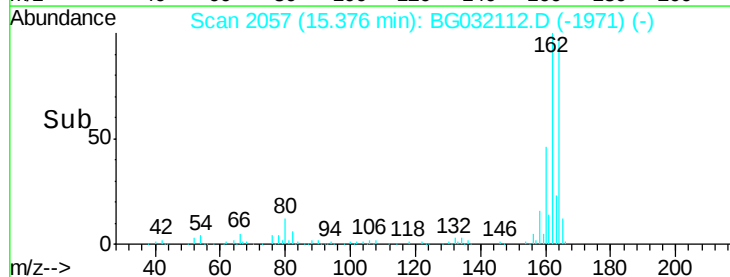
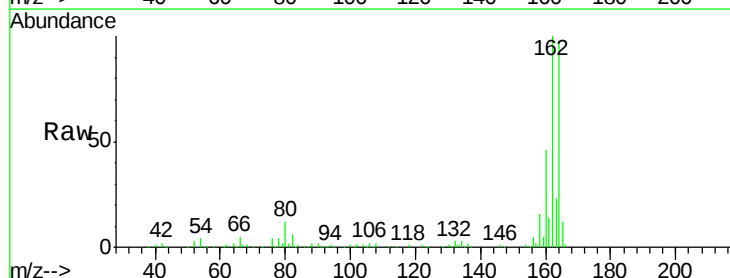
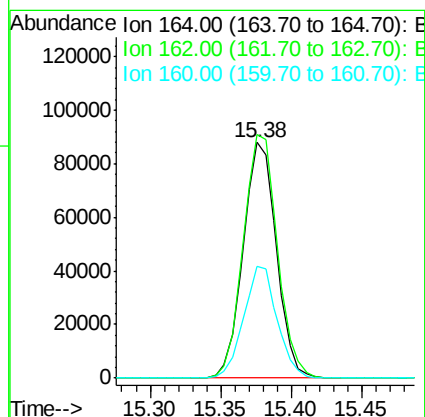
Tgt Ion:164 Resp: 144829

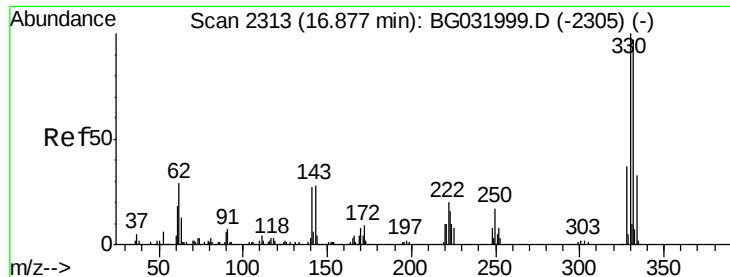
Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

160 47.4 35.4 53.0

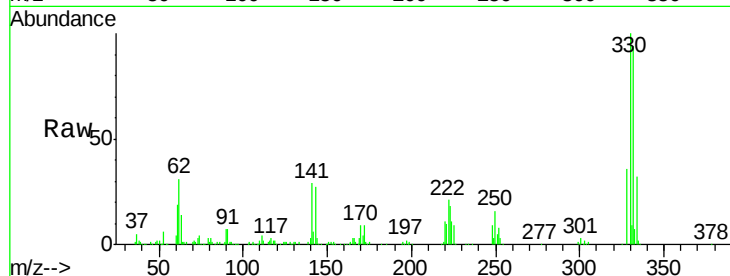




#41
2,4,6-Tribromophenol
Concen: 152.500 ng
RT: 16.86 min Scan# 2309
Delta R.T. -0.02 min
Lab File: BG032112.D
Acq: 17 Jan 2018 22:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	29.7	25.2	37.8

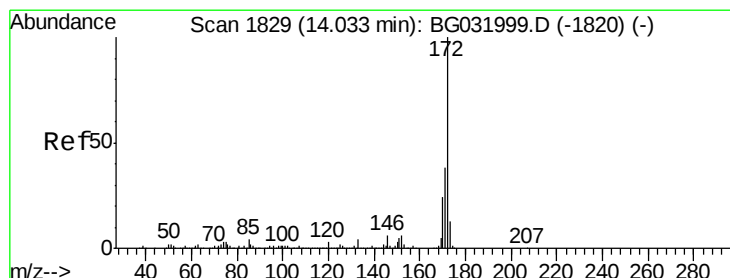
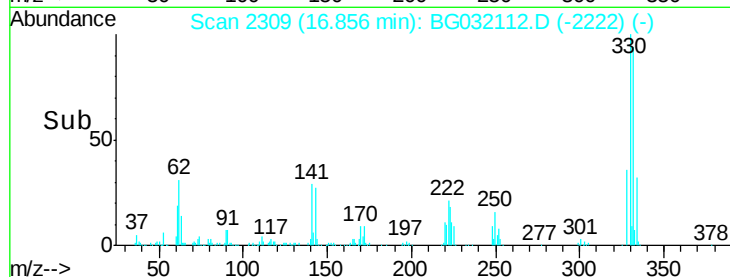
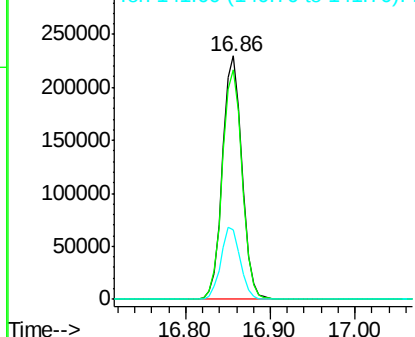


Abundance

Ion 329.80 (329.50 to 330.50): E

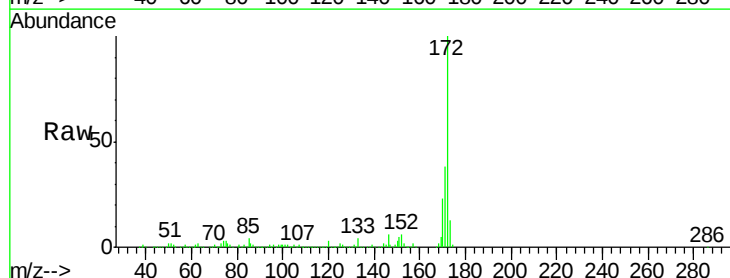
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
2-Fluorobiphenyl
Concen: 76.827 ng
RT: 14.01 min Scan# 1824
Delta R.T. -0.03 min
Lab File: BG032112.D
Acq: 17 Jan 2018 22:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	23.4	19.5	29.3

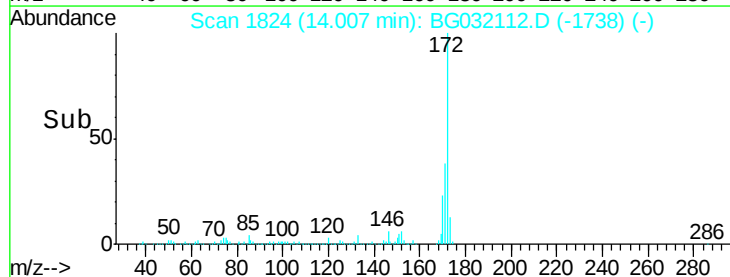
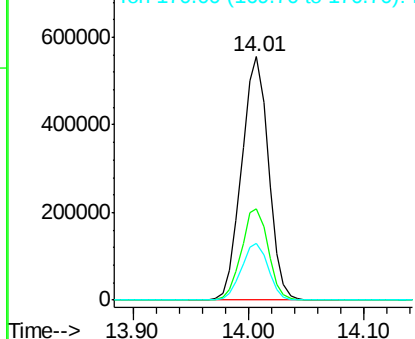


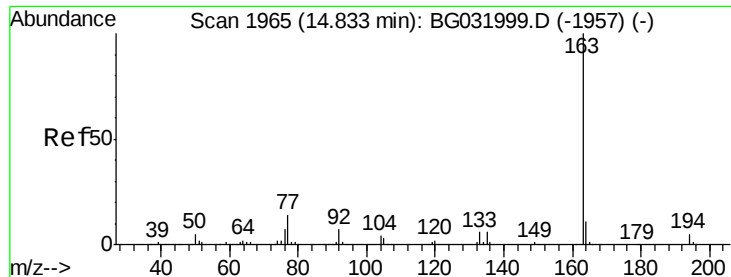
Abundance

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





#49

Dimethylphthalate

Concen: 7.738 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.03 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

Instrument :

BNA_G

ClientSampleId :

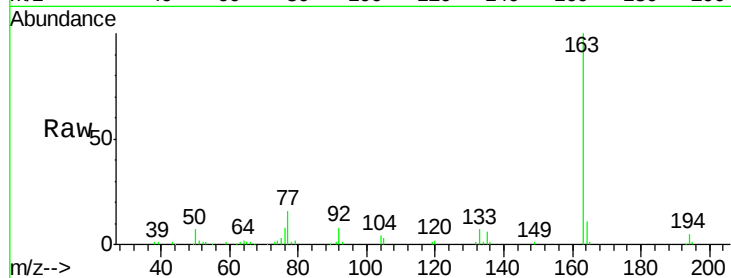
Tot Ion:163 Resp: 98074

Ion Ratio Lower Upper

163 100

194 5.3 3.4 5.2#

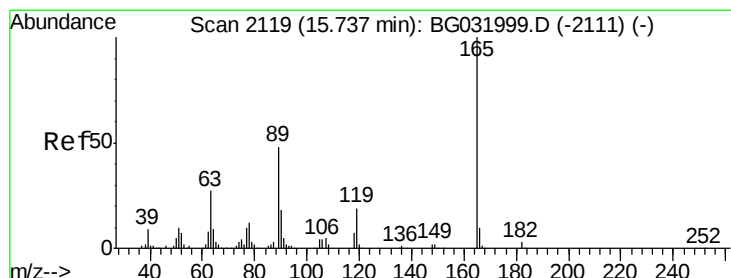
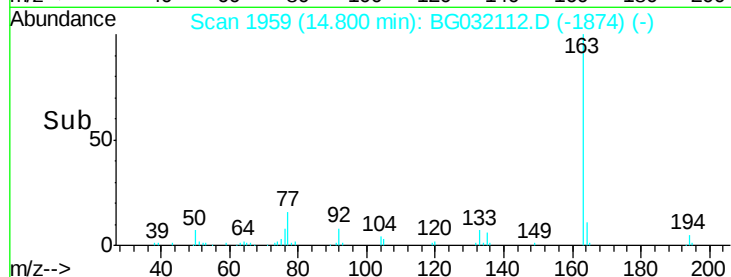
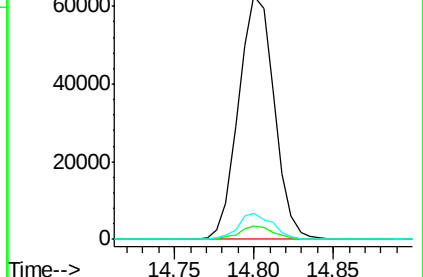
164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.156 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.36 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

Tgt Ion:165 Resp: 18260

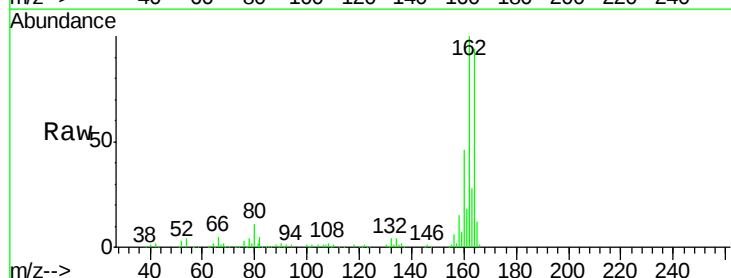
Ion Ratio Lower Upper

165 100

63 1.5 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

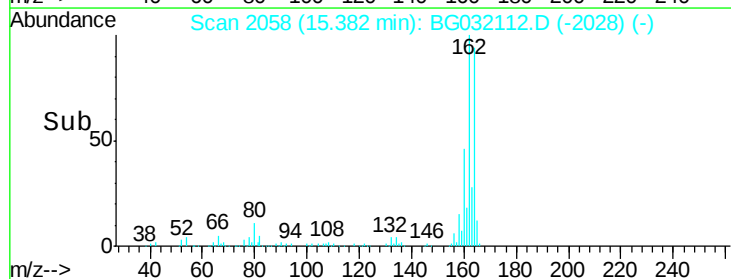
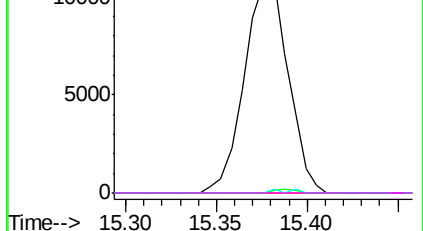


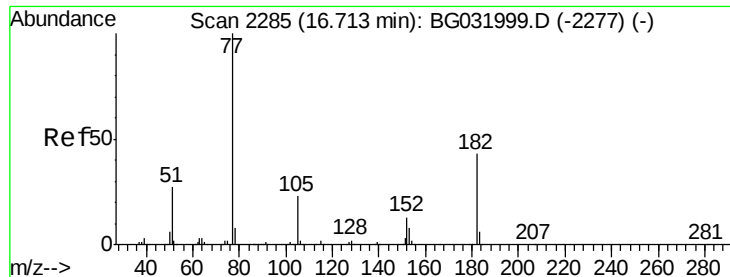
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#62

Azobenzene

Concen: 5.871 ng

RT: 16.71 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 45149

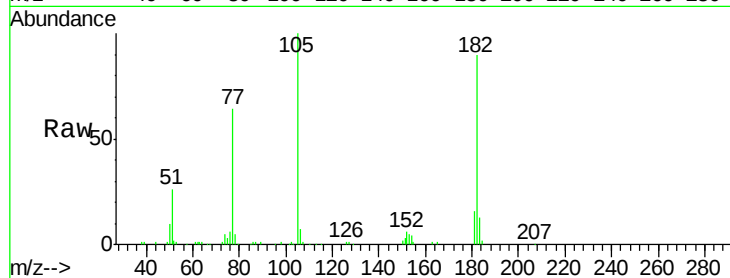
Ion Ratio Lower Upper

77 100

182 140.0 7.4 47.4#

105 156.4 0.3 40.3#

51 40.7 11.6 51.6

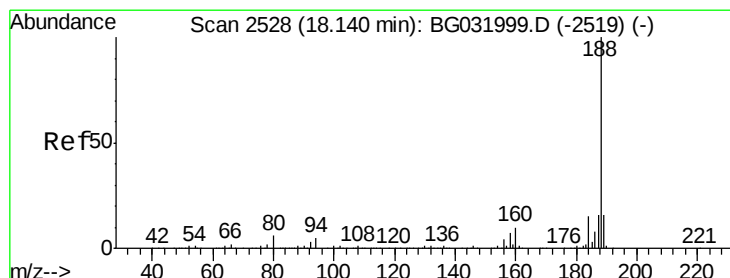
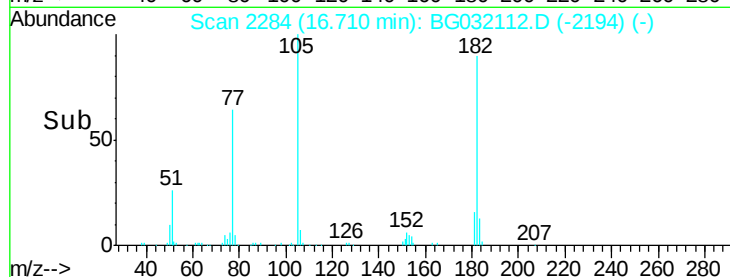
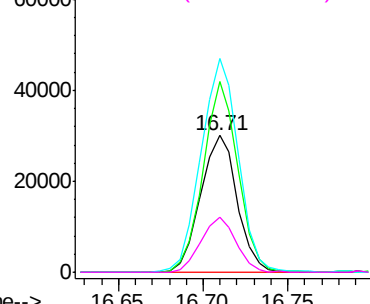


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. -0.03 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

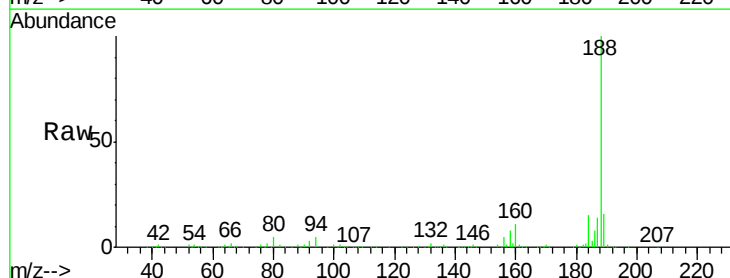
Tgt Ion: 188 Resp: 383177

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

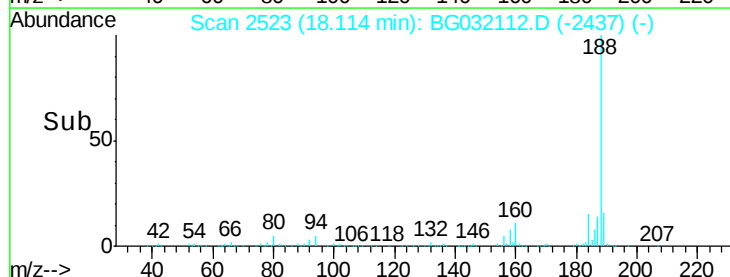
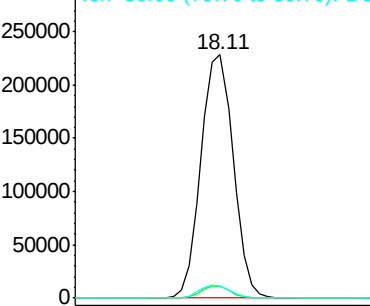
80 4.8 7.7 11.5#

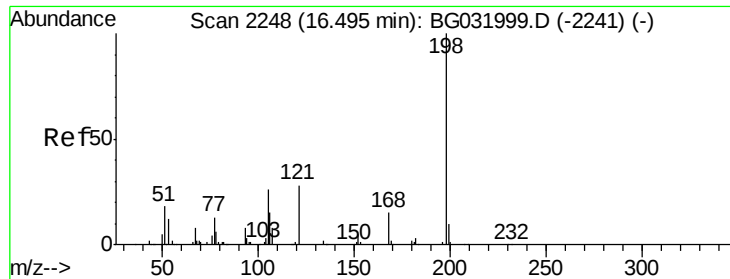


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

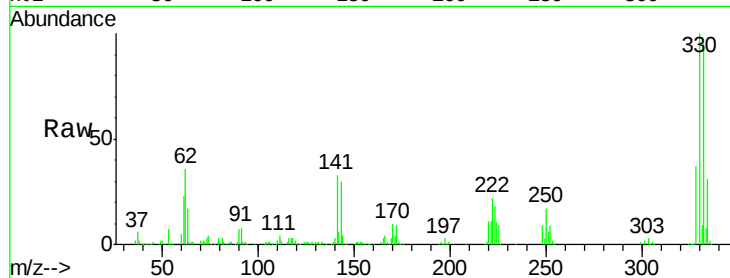




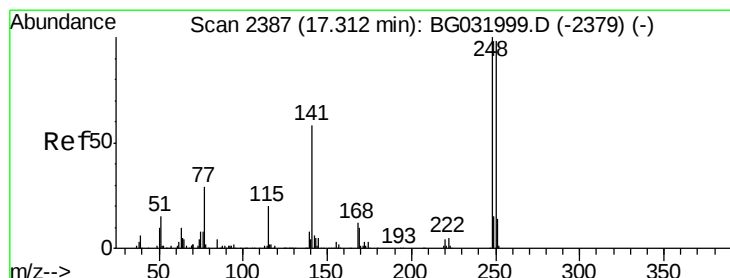
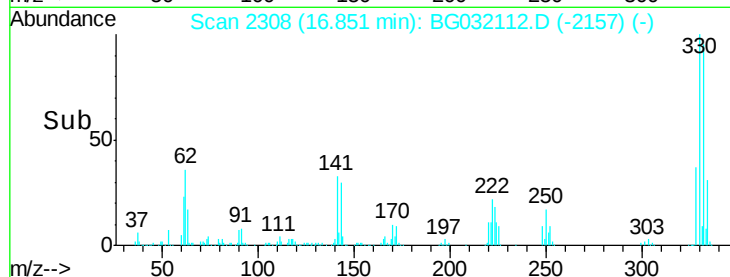
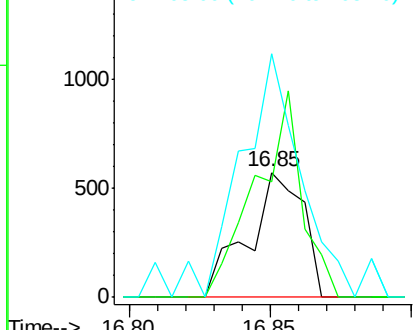
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.168 ng
 RT: 16.85 min Scan# 2308
 Delta R.T. 0.36 min
 Lab File: BG032112.D
 Acq: 17 Jan 2018 22:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 774
 Ion Ratio Lower Upper
 198 100
 51 93.0 30.6 70.6#
 105 195.1 23.8 63.8#

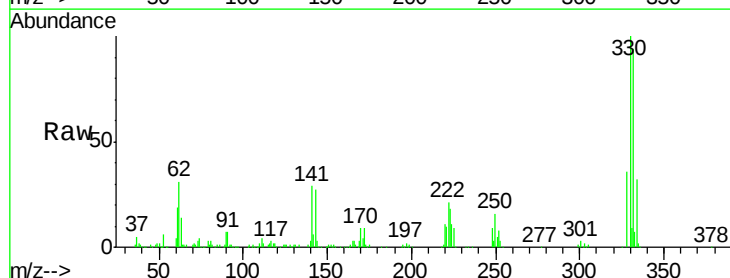


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

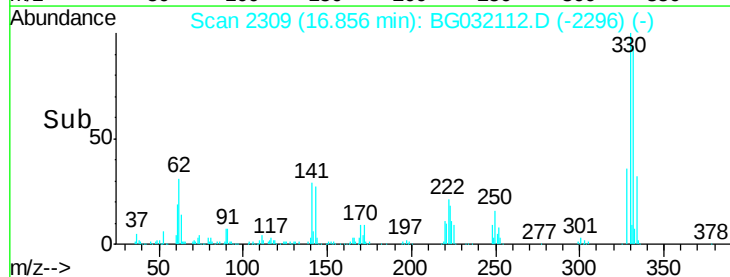
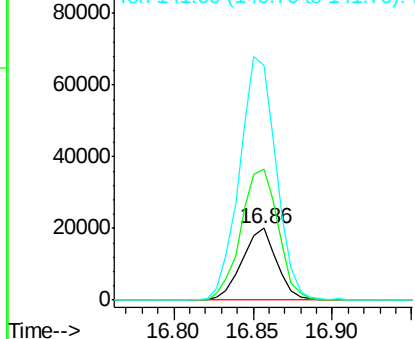


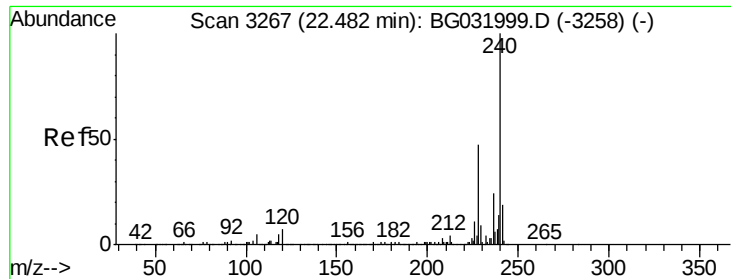
#66
 4-Bromophenyl-phenylether
 Concen: 5.595 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. -0.46 min
 Lab File: BG032112.D
 Acq: 17 Jan 2018 22:21

Tgt Ion:248 Resp: 30505
 Ion Ratio Lower Upper
 248 100
 250 181.3 77.1 115.7#
 141 326.9 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

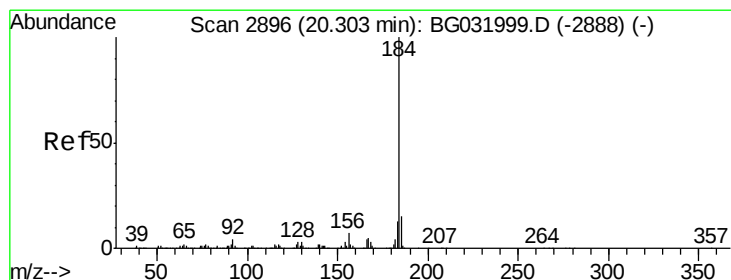
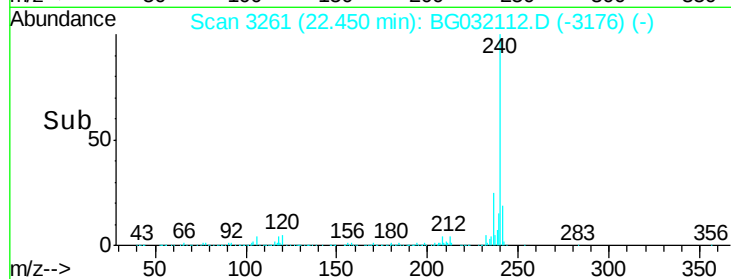
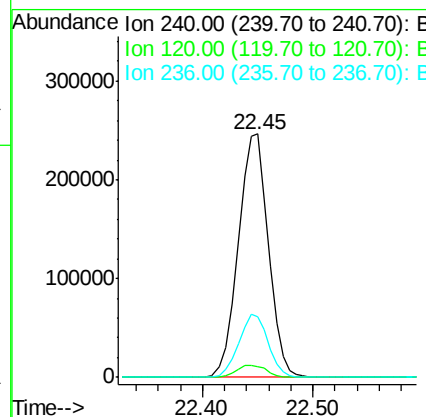
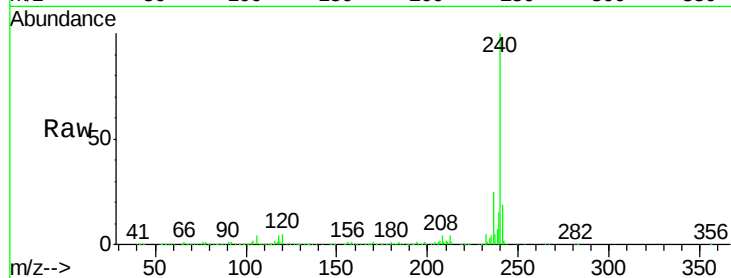




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.45 min Scan# 3261
Delta R.T. -0.03 min
Lab File: BG032112.D
Acq: 17 Jan 2018 22:21

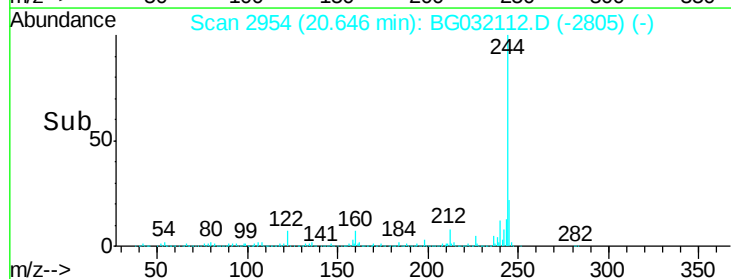
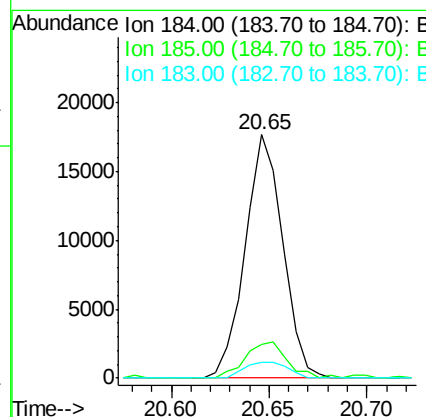
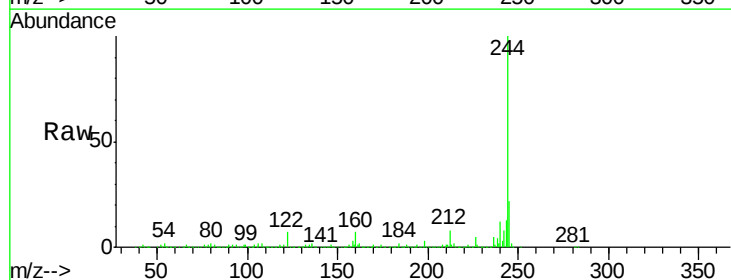
Instrument :
BNA_G
ClientSampleId :

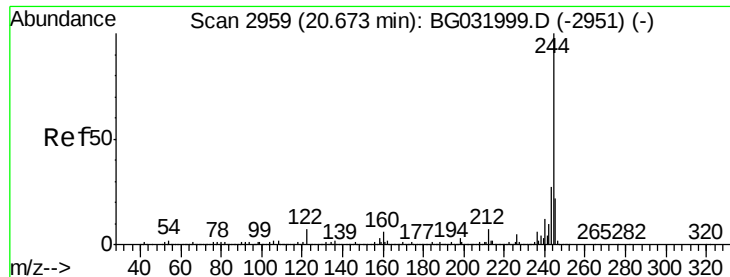
Tot Ion:240 Resp: 470645
Ion Ratio Lower Upper
240 100
120 4.6 6.8 10.2#
236 24.7 20.9 31.3



#76
Benzidine
Concen: 2.005 ng
RT: 20.65 min Scan# 2954
Delta R.T. 0.34 min
Lab File: BG032112.D
Acq: 17 Jan 2018 22:21

Tgt Ion:184 Resp: 23600
Ion Ratio Lower Upper
184 100
185 13.8 11.1 16.7
183 6.6 10.6 16.0#





#78

Terphenyl-d14

Concen: 76.476 ng

RT: 20.65 min Scan# 2954

Delta R.T. -0.03 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

Instrument :

BNA_G

ClientSampleId :

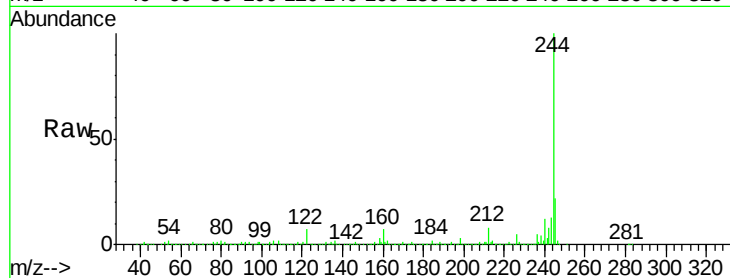
Tot Ion:244 Resp: 1630084

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

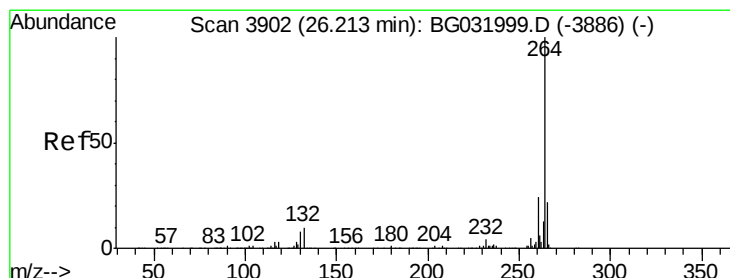
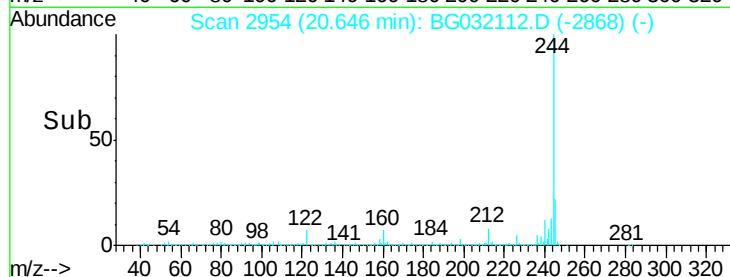
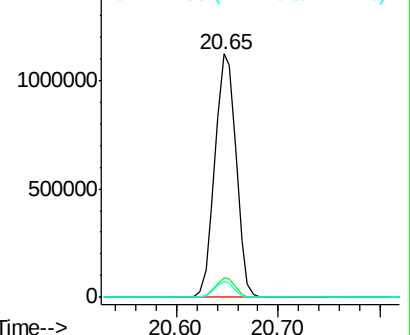
122 6.6 7.0 10.4#



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: 26.15 min Scan# 3890

Delta R.T. -0.07 min

Lab File: BG032112.D

Acq: 17 Jan 2018 22:21

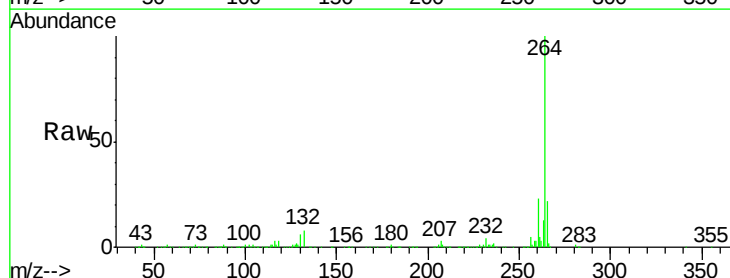
Tgt Ion:264 Resp: 496170

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 21.9 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

