

Data Path : U:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032174.D
 Acq On : 20 Jan 2018 7:00
 Operator : SJ/JU
 Sample : J1171-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 21 23:59:19 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

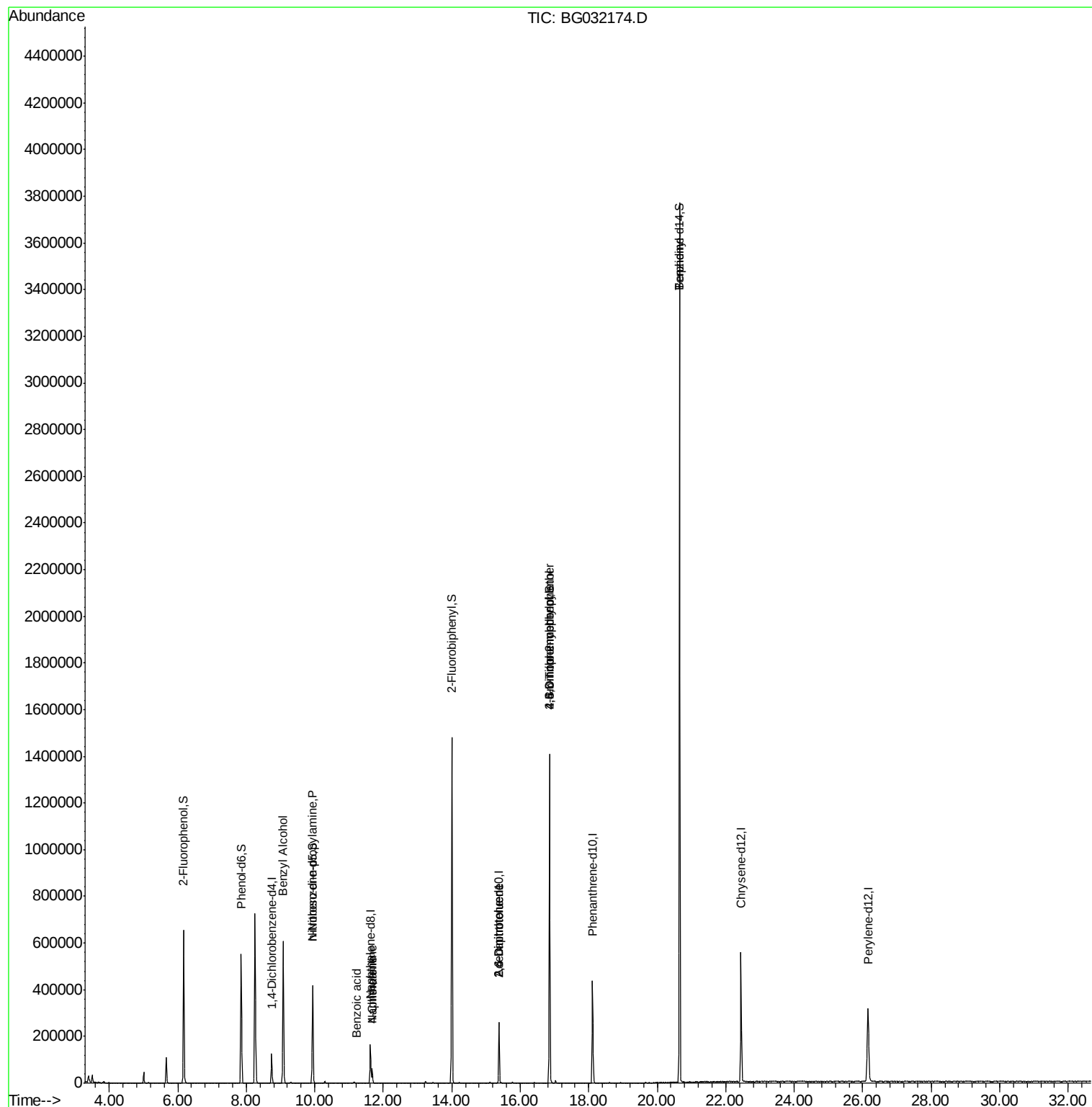
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	42320	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	159434	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	101997	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	302070	20.00	ng	0.00
75) Chrysene-d12	22.45	240	425202	20.00	ng	0.00
86) Perylene-d12	26.15	264	432887	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	321292	138.85	ng	0.00
7) Phenol-d6	7.85	99	353434	121.28	ng	0.00
23) Nitrobenzene-d5	9.94	82	259556	110.14	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	308378	182.71	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	871007	105.89	ng	0.00
78) Terphenyl-d14	20.65	244	1965942	102.09	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.07	79	4784	2.260	ng	# 31
19) n-Nitroso-di-n-propylamine	9.94	70	37708	20.854	ng	# 80
31) Naphthalene	11.68	128	57887	7.329	ng	# 98
32) Benzoic acid	11.22	122	56	5.284	ng	# 1
33) 4-Chloroaniline	11.67	127	8122	2.398	ng	# 28
50) 2,6-Dinitrotoluene	15.37	165	13639	7.362	ng	# 22
56) 2,4-Dinitrotoluene	15.37	165	13639	5.468	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.85	198	774	5.244	ng	# 7
66) 4-Bromophenyl-phenylether	16.85	248	26261	6.110	ng	# 1
76) Benzidine	20.65	184	29811	2.804	ng	# 93

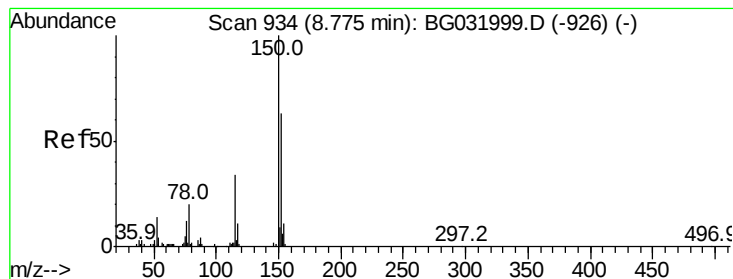
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.74 min Scan# 928

Delta R.T. -0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

Instrument :

BNA_G

ClientSampleId :

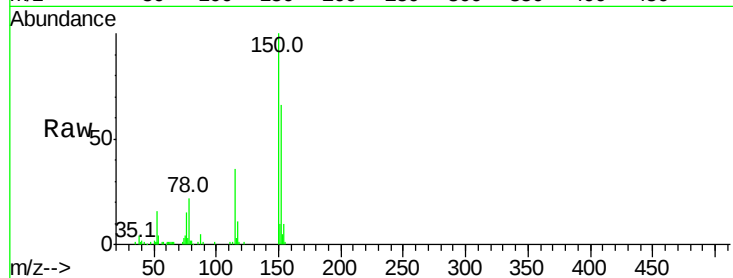
Tot Ion:152 Resp: 42320

Ion Ratio Lower Upper

152 100

150 152.4 126.6 189.8

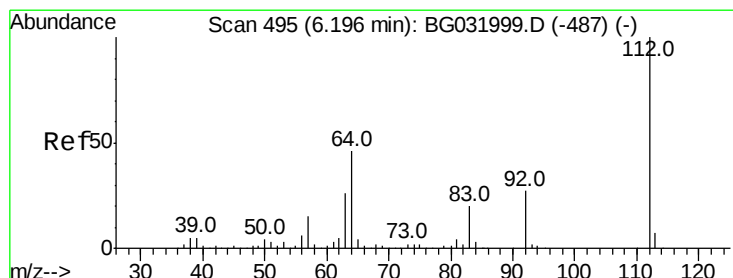
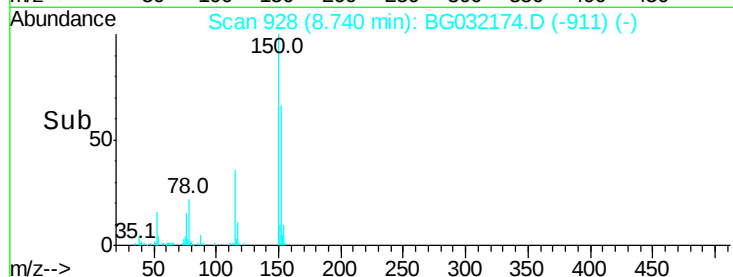
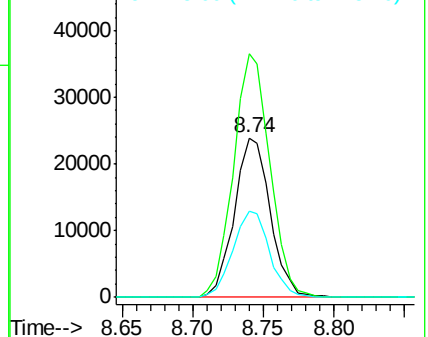
115 54.3 53.0 79.4



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: 138.852 ng

RT: 6.17 min Scan# 491

Delta R.T. 0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

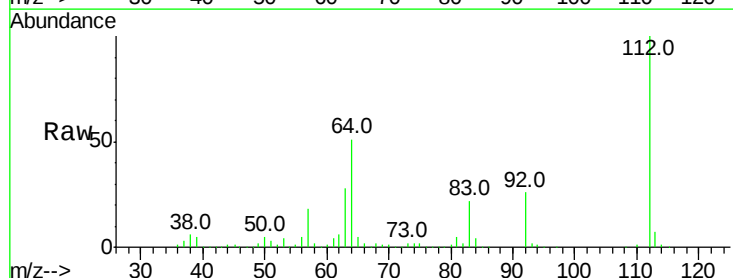
Tgt Ion:112 Resp: 321292

Ion Ratio Lower Upper

112 100

64 50.9 56.3 84.5#

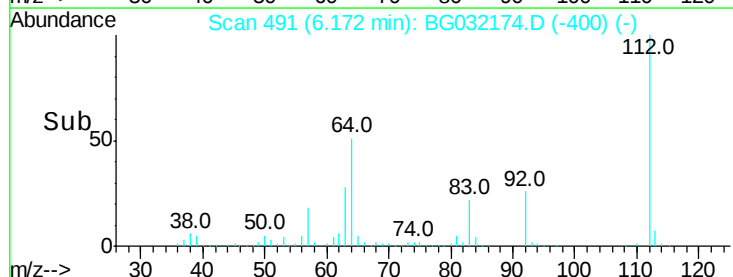
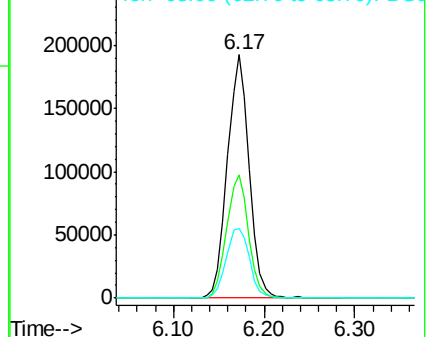
63 28.4 30.1 45.1#

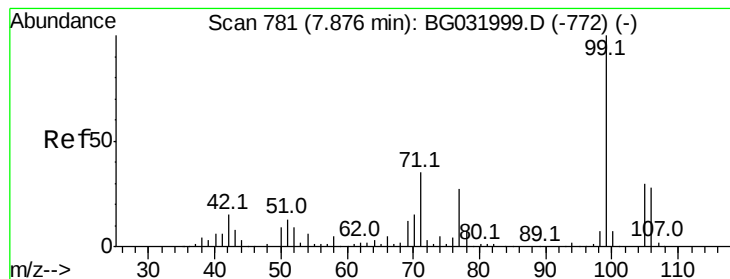


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 121.279 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

Instrument :

BNA_G

ClientSampleId :

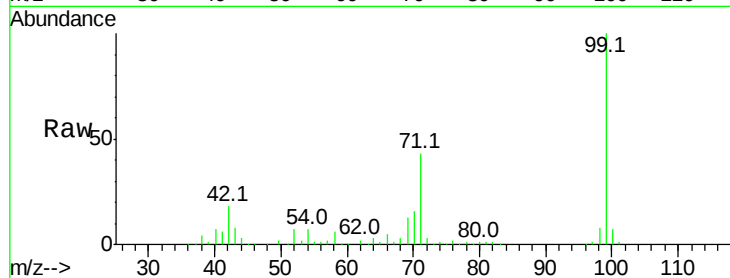
Tot Ion: 99 Resp: 353434

Ion Ratio Lower Upper

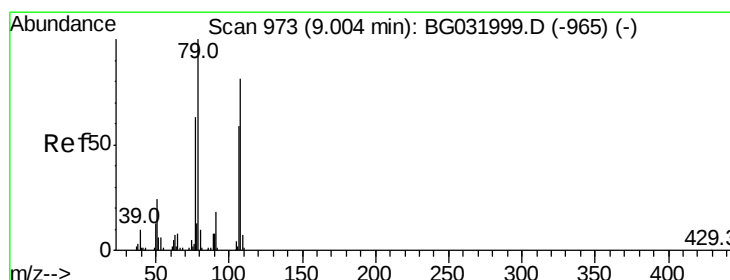
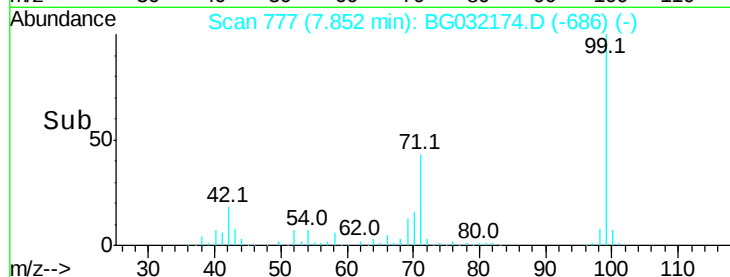
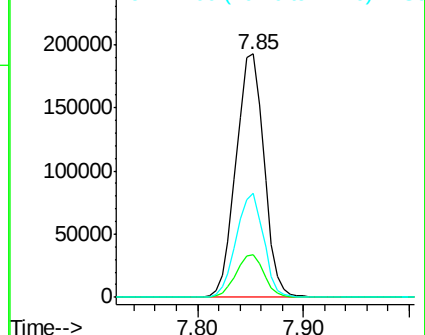
99 100

42 17.5 14.1 21.1

71 42.6 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



#15

Benzyl Alcohol

Concen: 2.260 ng

RT: 9.07 min Scan# 985

Delta R.T. 0.10 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

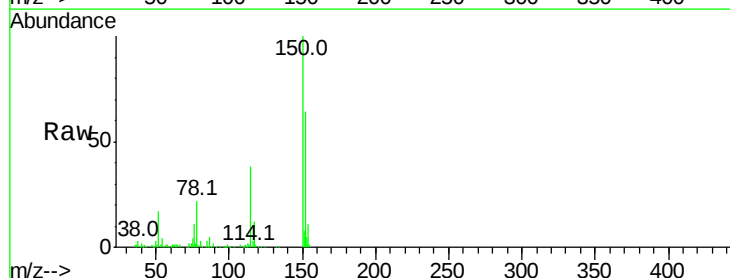
Tgt Ion: 79 Resp: 4784

Ion Ratio Lower Upper

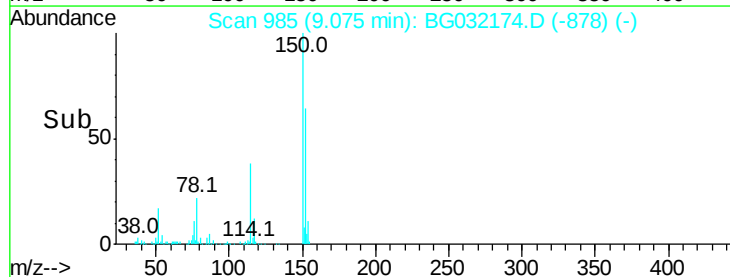
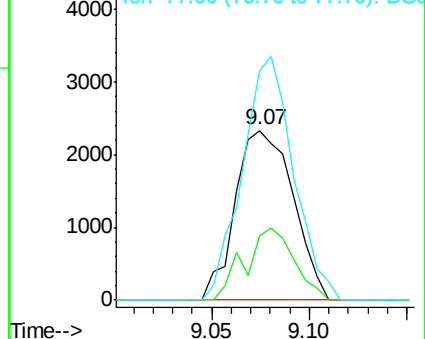
79 100

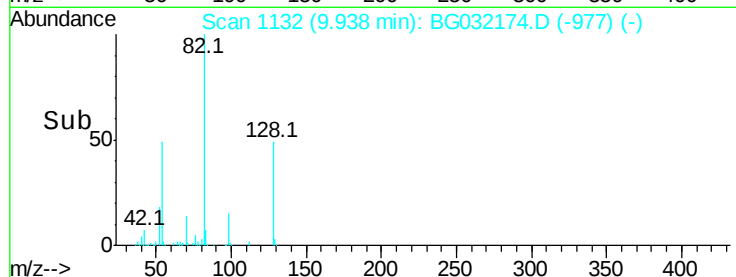
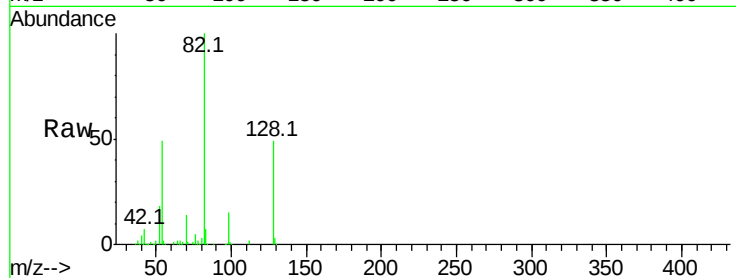
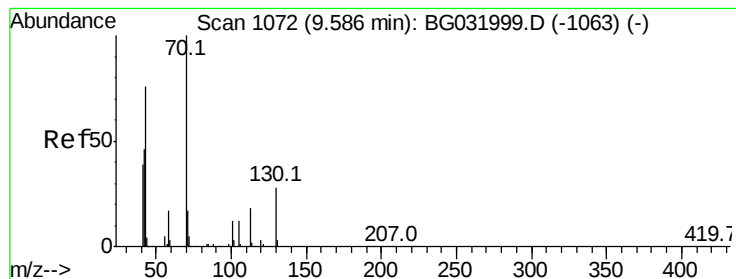
108 38.2 57.2 85.8#

77 135.2 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: 20.854 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 37708

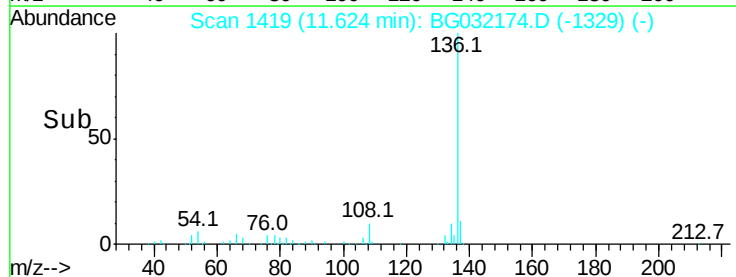
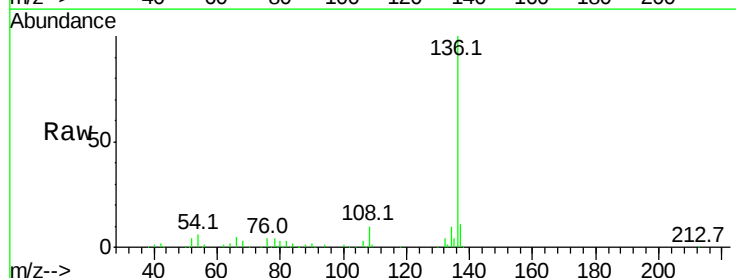
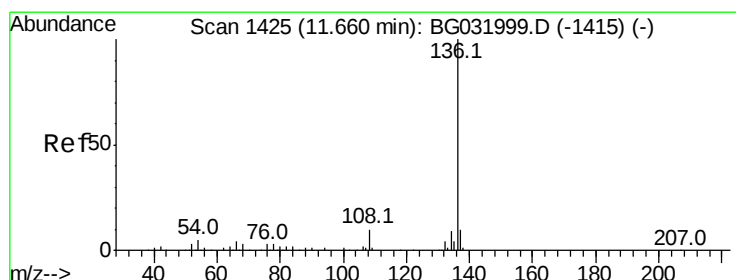
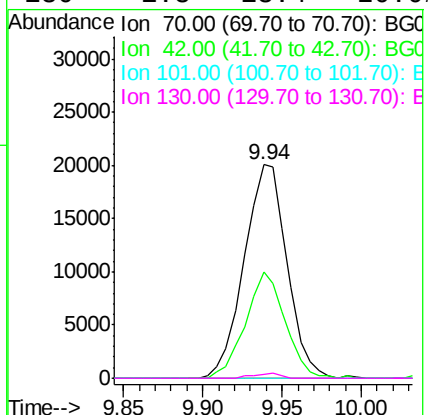
Ion Ratio Lower Upper

70 100

42 49.9 49.1 73.7

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

Tgt Ion: 136 Resp: 159434

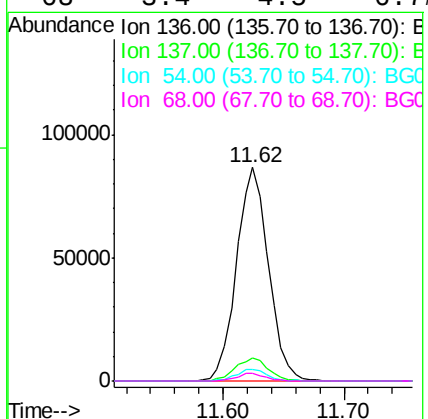
Ion Ratio Lower Upper

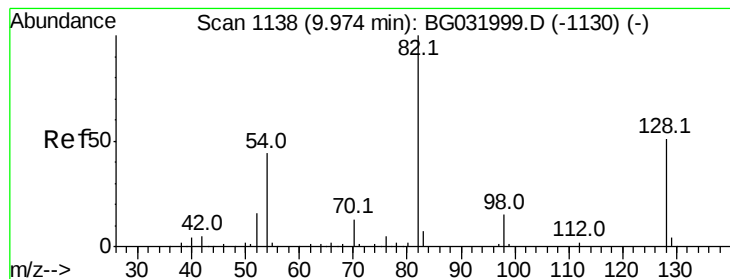
136 100

137 11.0 9.2 13.8

54 5.5 10.3 15.5#

68 3.4 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 110.140 ng

RT: 9.94 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

Instrument :

BNA_G

ClientSampleId :

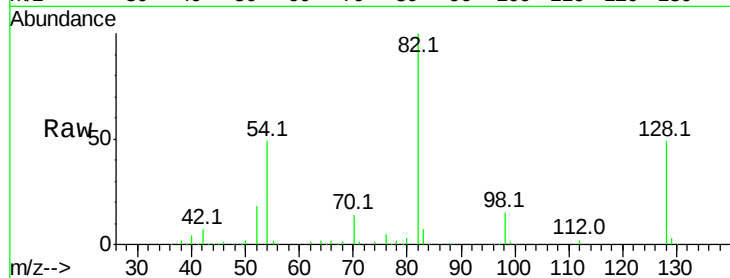
Tot Ion: 82 Resp: 259556

Ion Ratio Lower Upper

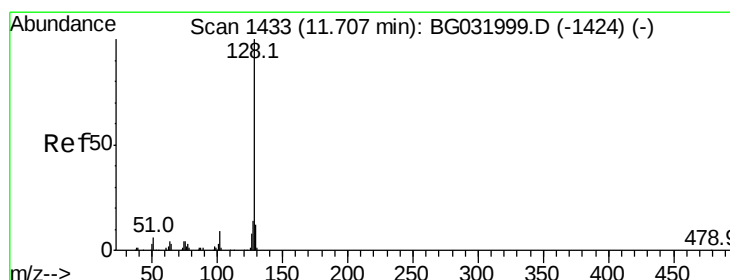
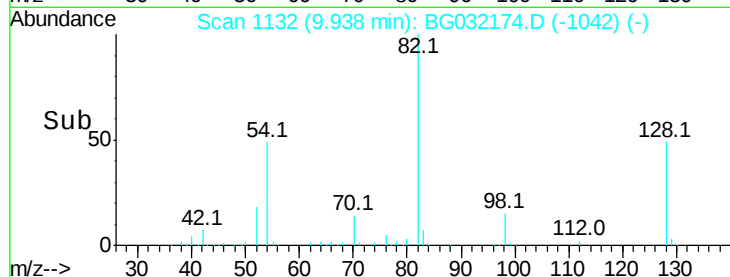
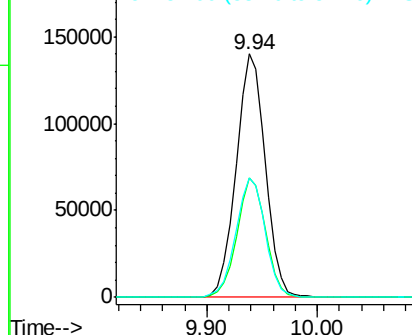
82 100

128 49.3 29.7 44.5#

54 48.9 43.1 64.7



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



#31

Naphthalene

Concen: 7.329 ng

RT: 11.68 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

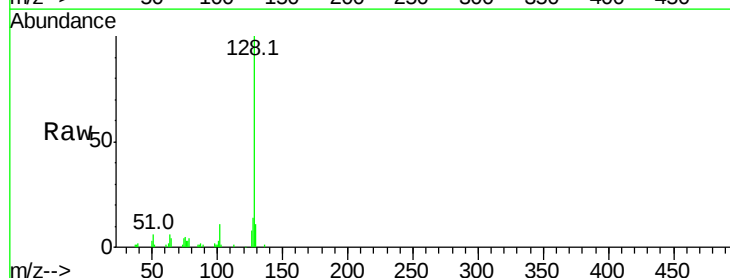
Tgt Ion:128 Resp: 57887

Ion Ratio Lower Upper

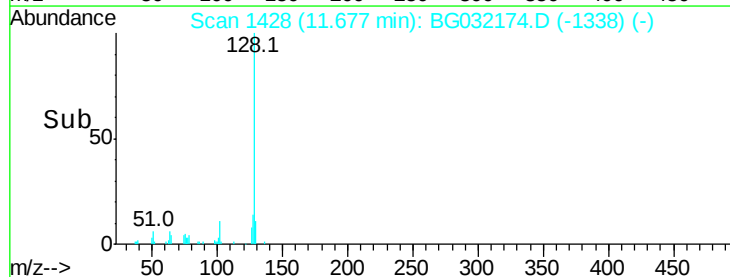
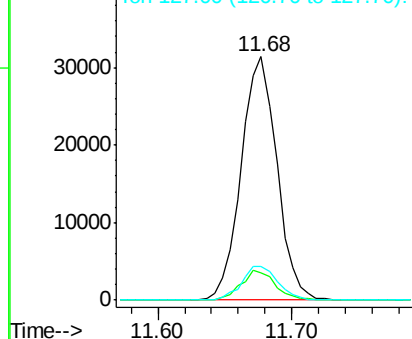
128 100

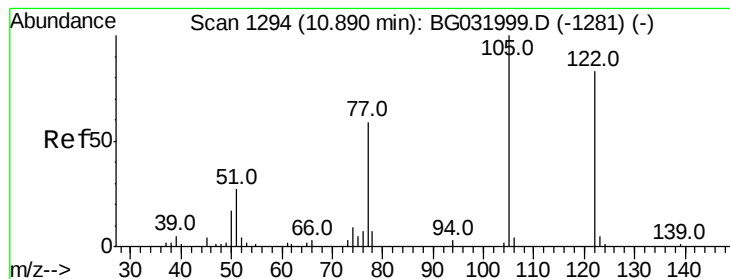
129 11.3 8.6 12.8

127 13.8 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 5.284 ng

RT: 11.22 min Scan# 1350

Delta R.T. 0.37 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

Instrument :

BNA_G

ClientSampleId :

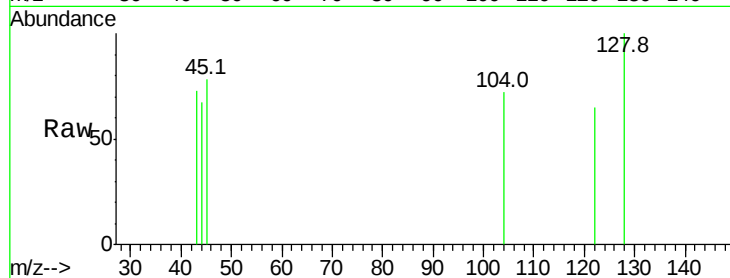
Tot Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

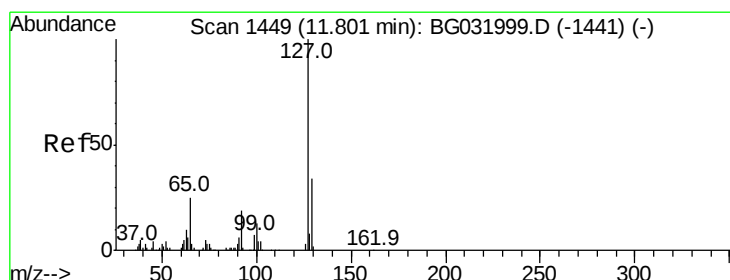
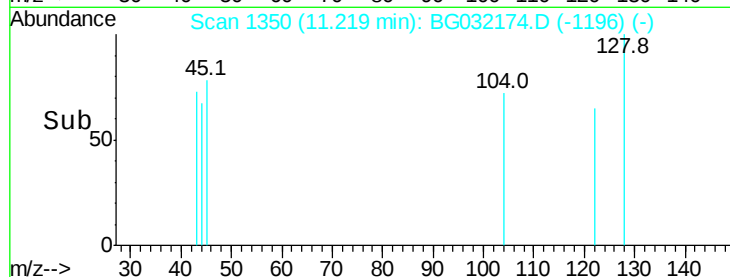
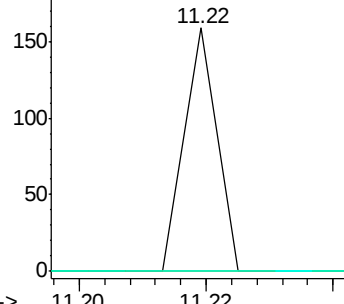
77 0.0 85.7 125.7#



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



#33

4-Chloroaniline

Concen: 2.398 ng

RT: 11.67 min Scan# 1427

Delta R.T. -0.10 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

Tgt Ion:127 Resp: 8122

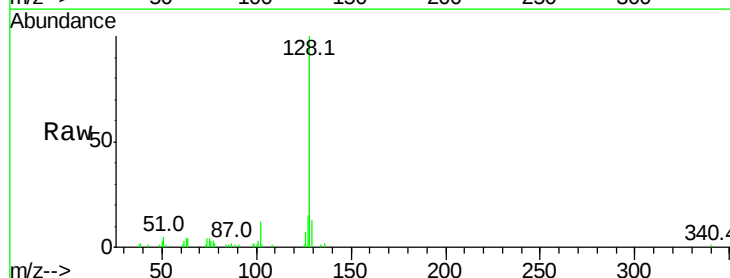
Ion Ratio Lower Upper

127 100

129 87.6 24.0 36.0#

65 0.0 27.0 40.4#

92 0.0 16.6 25.0#

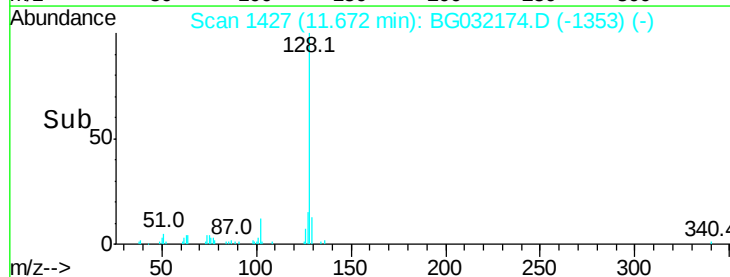
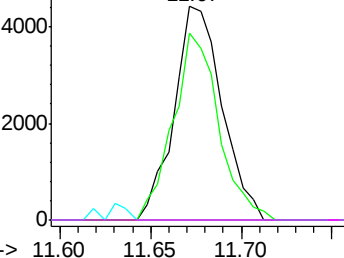


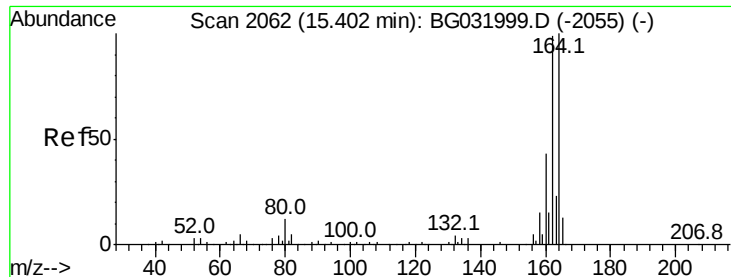
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

Instrument :

BNA_G

ClientSampleId :

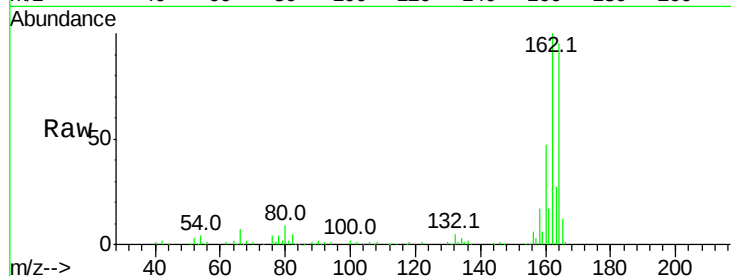
Tot Ion:164 Resp: 101997

Ion Ratio Lower Upper

164 100

162 105.3 78.8 118.2

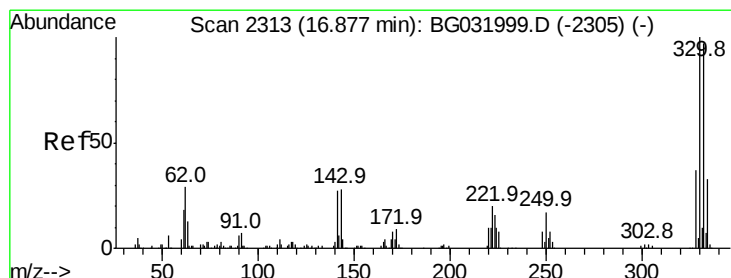
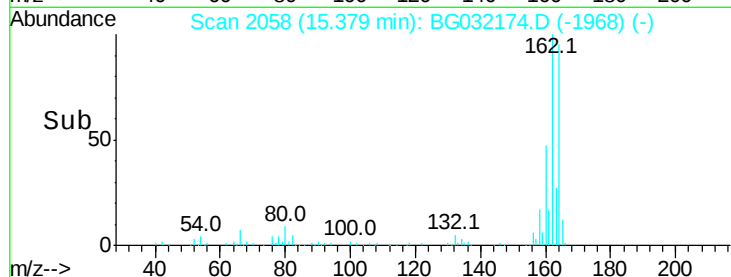
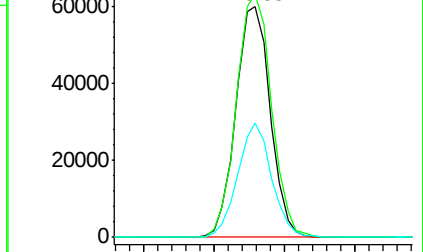
160 49.7 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 182.709 ng

RT: 16.85 min Scan# 2309

Delta R.T. -0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

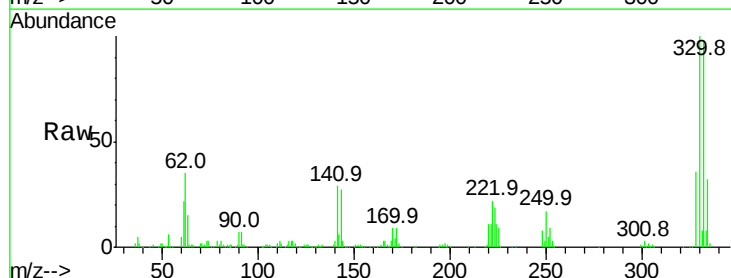
Tgt Ion:330 Resp: 308378

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

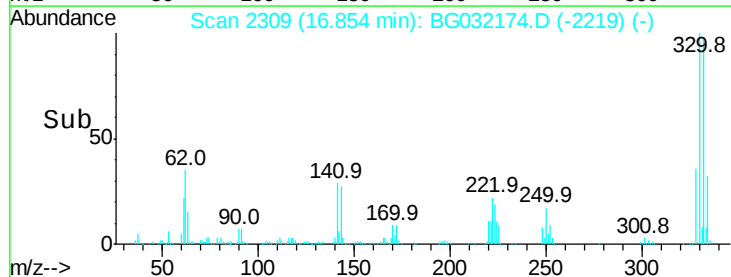
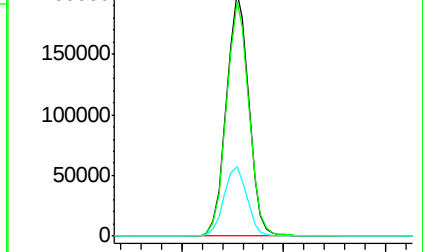
141 29.3 25.2 37.8

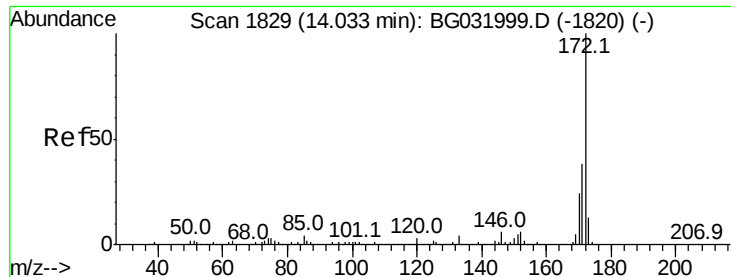


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

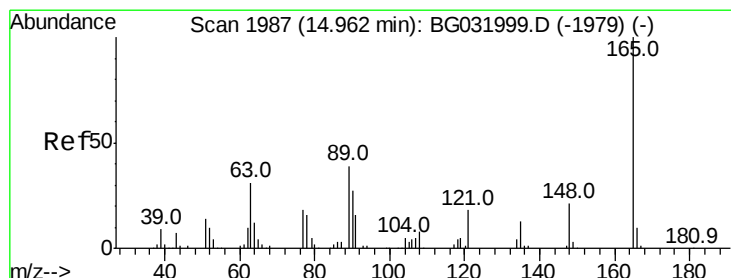
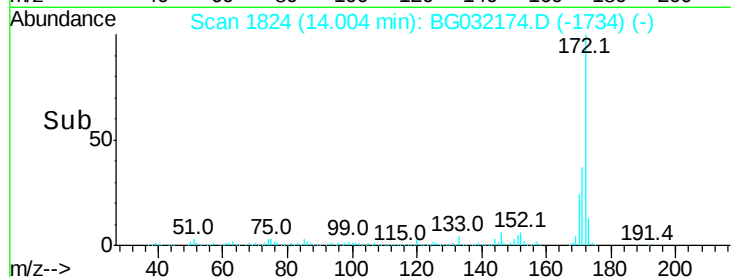
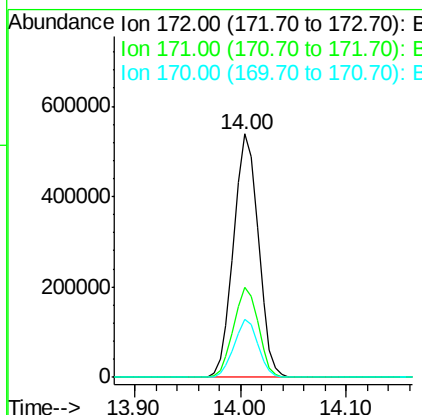
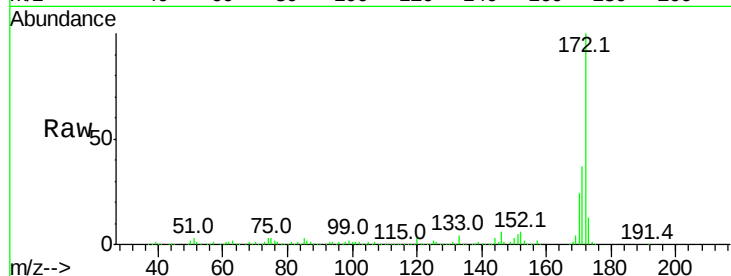




#44
 2-Fluorobiphenyl
 Concen: 105.886 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032174.D
 Acq: 20 Jan 2018 7:00

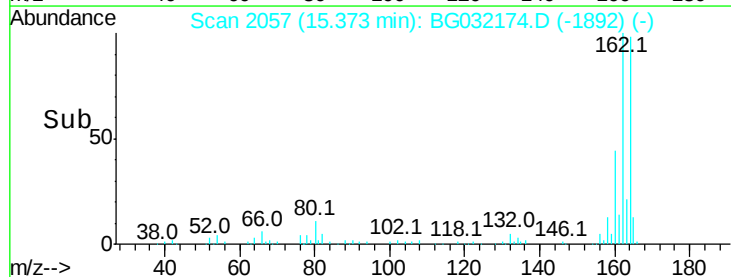
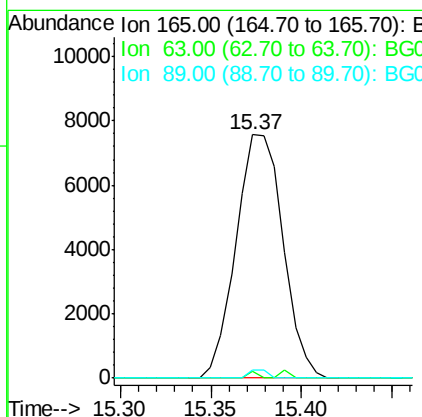
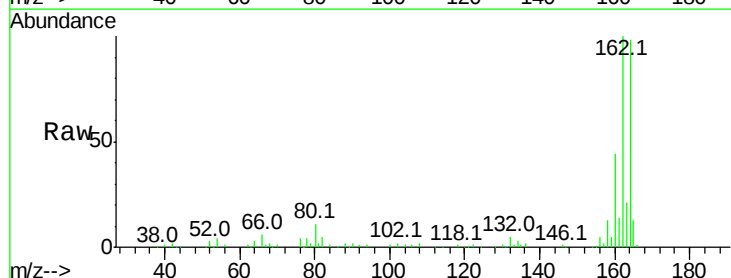
Instrument :
 BNA_G
 ClientSampleId :

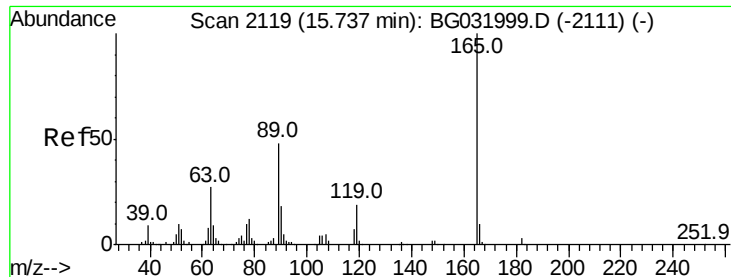
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	23.8	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.362 ng
 RT: 15.37 min Scan# 2057
 Delta R.T. 0.44 min
 Lab File: BG032174.D
 Acq: 20 Jan 2018 7:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.0	52.7	79.1#
89	3.3	49.2	73.8#

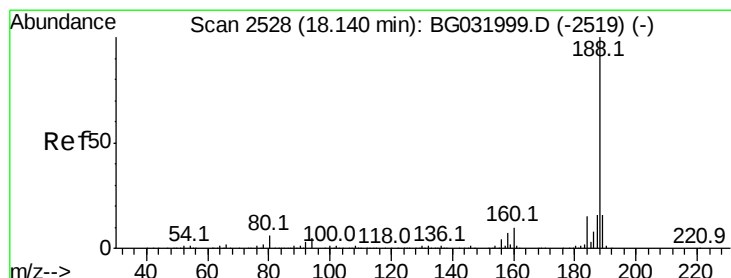
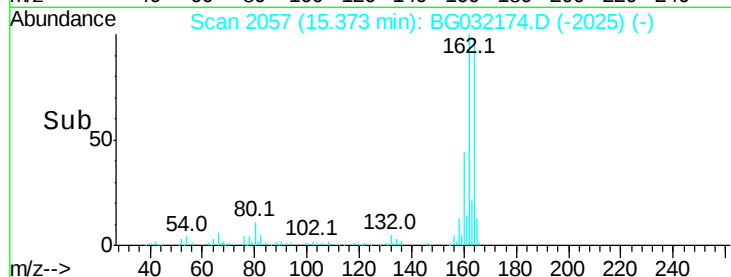
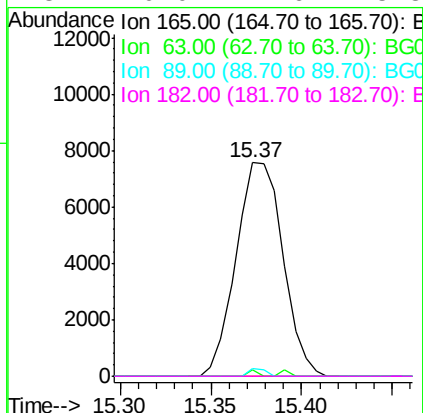
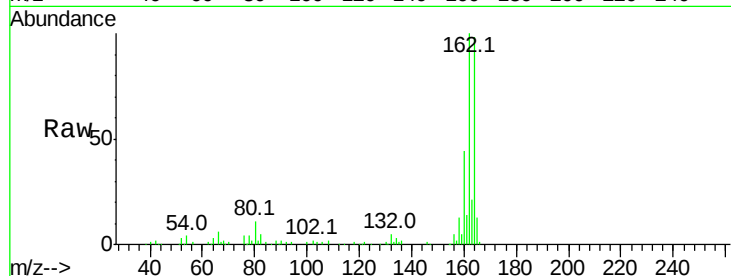




#56
 2,4-Dinitrotoluene
 Concen: 5.468 ng
 RT: 15.37 min Scan# 2057
 Delta R.T. -0.34 min
 Lab File: BG032174.D
 Acq: 20 Jan 2018 7:00

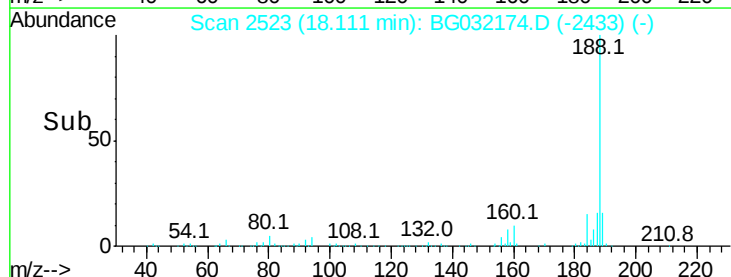
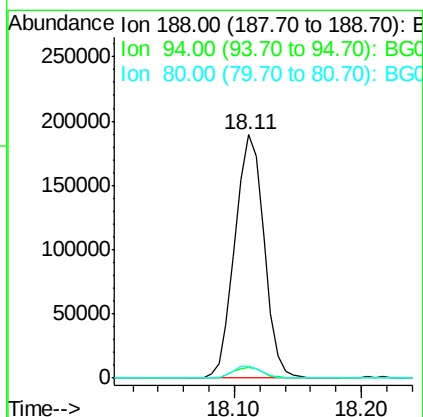
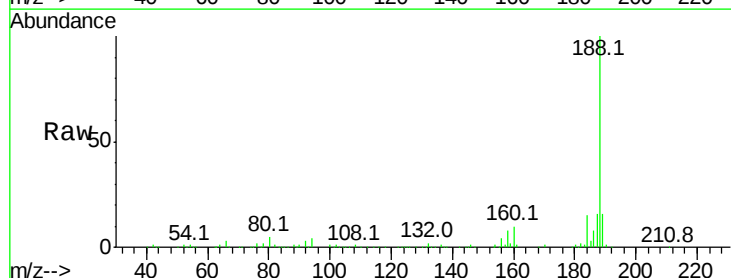
Instrument :
 BNA_G
 ClientSampleId :

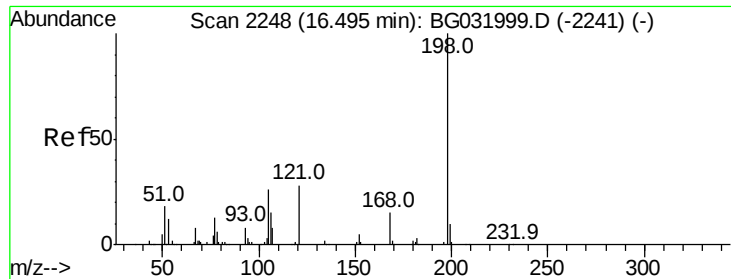
Tot Ion:165 Resp: 13639
 Ion Ratio Lower Upper
 165 100
 63 3.0 42.0 63.0#
 89 3.3 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: BG032174.D
 Acq: 20 Jan 2018 7:00

Tgt Ion:188 Resp: 302070
 Ion Ratio Lower Upper
 188 100
 94 4.5 6.9 10.3#
 80 4.7 7.7 11.5#

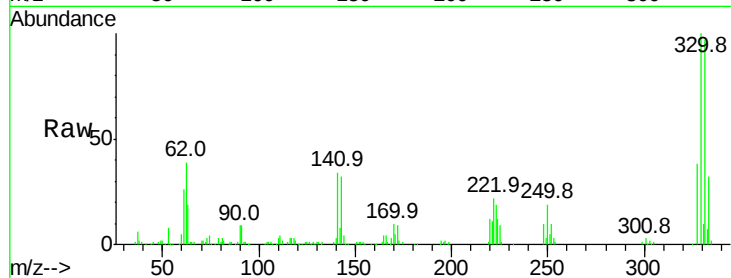




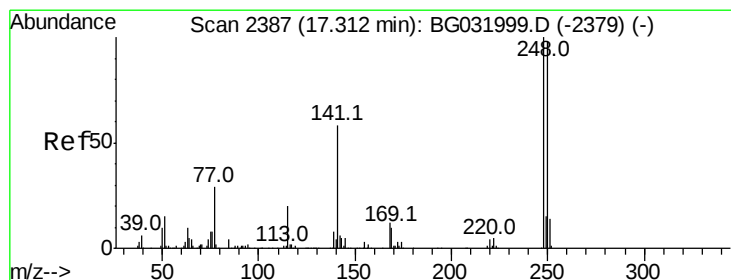
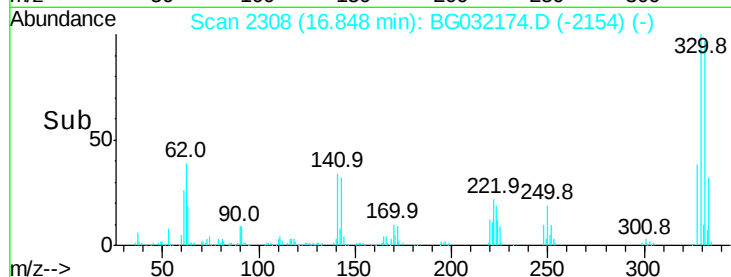
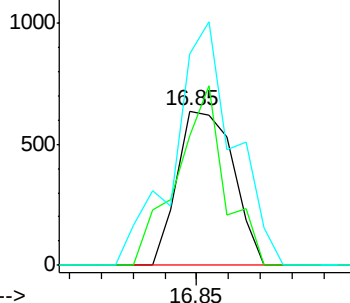
#64
4,6-Dinitro-2-methylphenol
Concen: 5.244 ng
RT: 16.85 min Scan# 2308
Delta R.T. 0.37 min
Lab File: BG032174.D
Acq: 20 Jan 2018 7:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 774
Ion Ratio Lower Upper
198 100
51 84.3 30.6 70.6#
105 137.4 23.8 63.8#

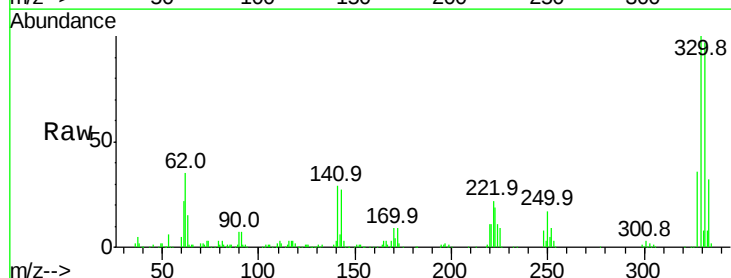


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

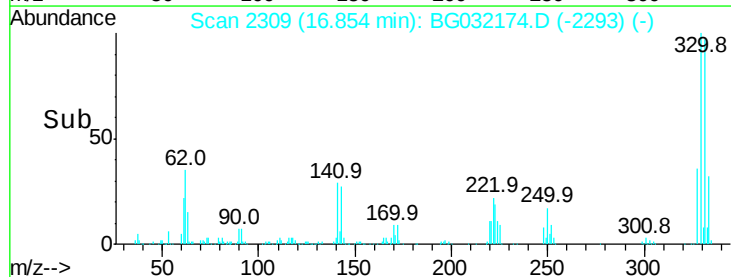
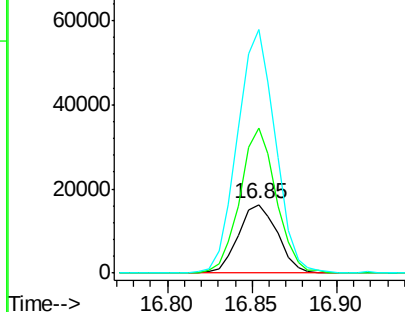


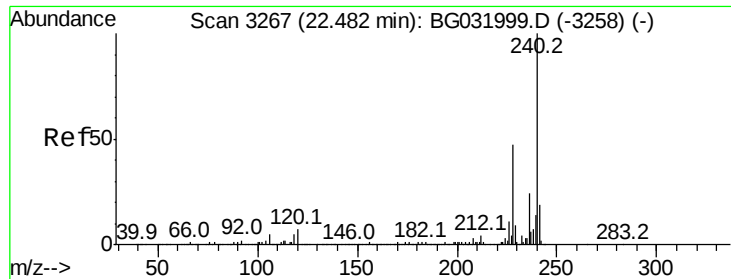
#66
4-Bromophenyl-phenylether
Concen: 6.110 ng
RT: 16.85 min Scan# 2309
Delta R.T. -0.44 min
Lab File: BG032174.D
Acq: 20 Jan 2018 7:00

Tgt Ion:248 Resp: 26261
Ion Ratio Lower Upper
248 100
250 211.8 77.1 115.7#
141 354.2 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: 22.45 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

Instrument :

BNA_G

ClientSampleId :

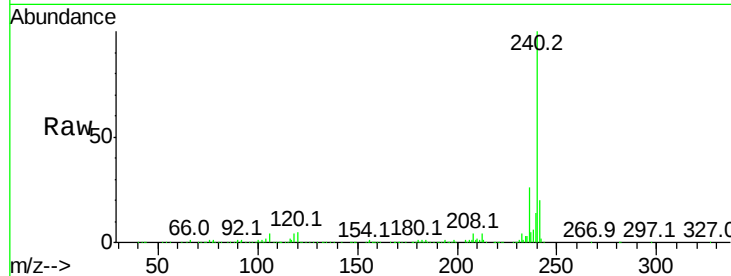
Tot Ion:240 Resp: 425202

Ion Ratio Lower Upper

240 100

120 4.6 6.8 10.2#

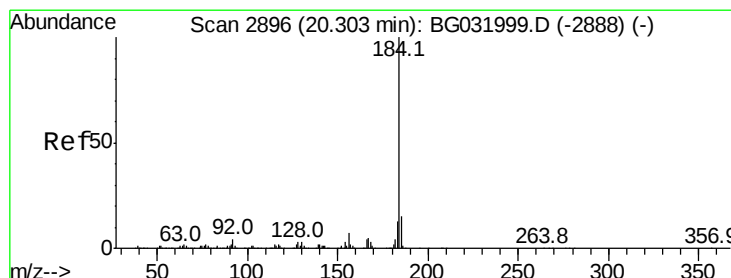
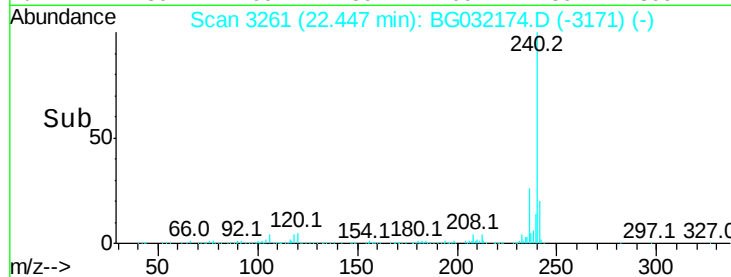
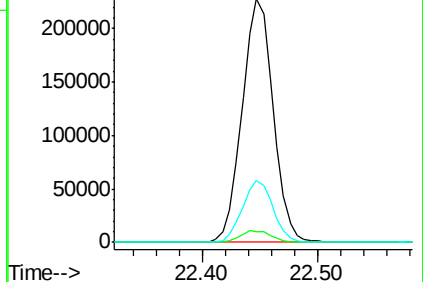
236 25.6 20.9 31.3



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: 2.804 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.37 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

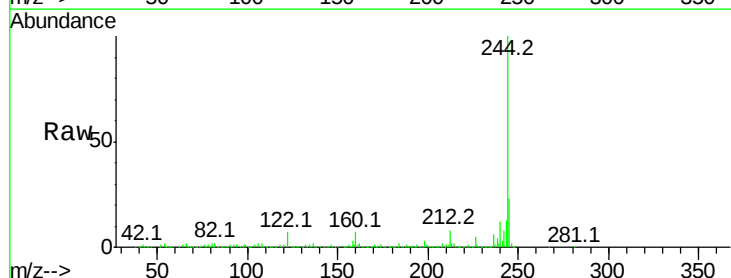
Tgt Ion:184 Resp: 29811

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

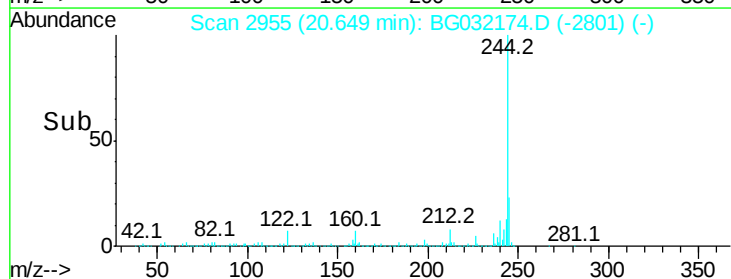
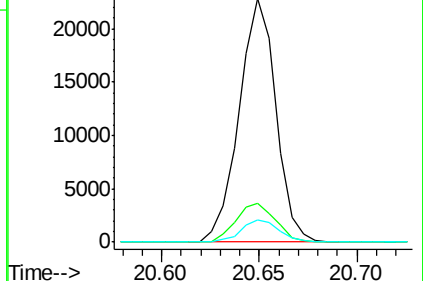
183 9.2 10.6 16.0#

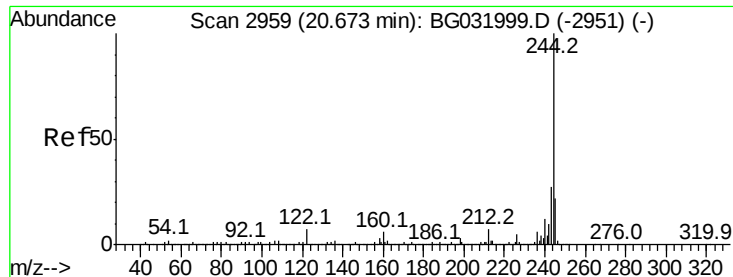


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 102.090 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

Instrument :

BNA_G

ClientSampleId :

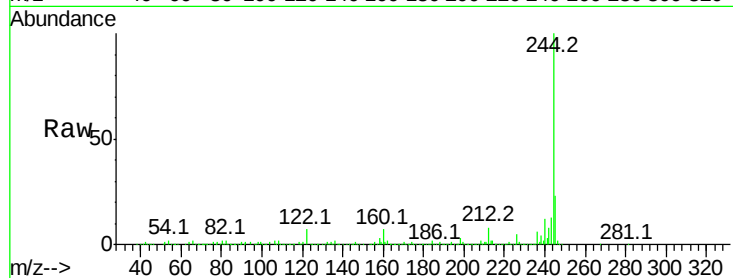
Tot Ion:244 Resp: 1965942

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

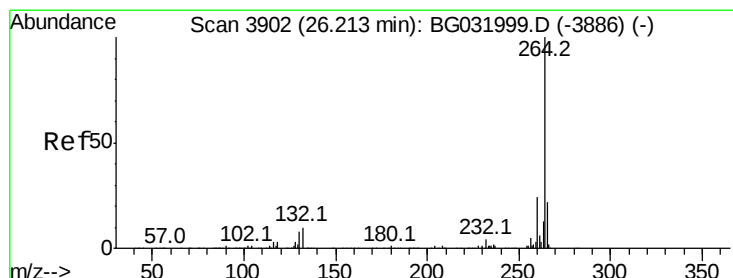
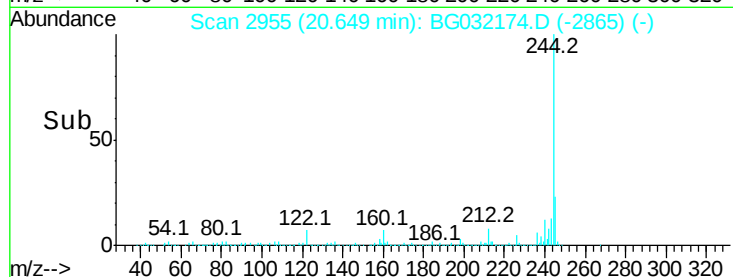
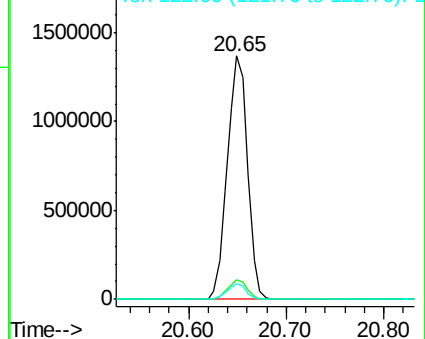
122 6.5 7.0 10.4#



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# 3892

Delta R.T. 0.00 min

Lab File: BG032174.D

Acq: 20 Jan 2018 7:00

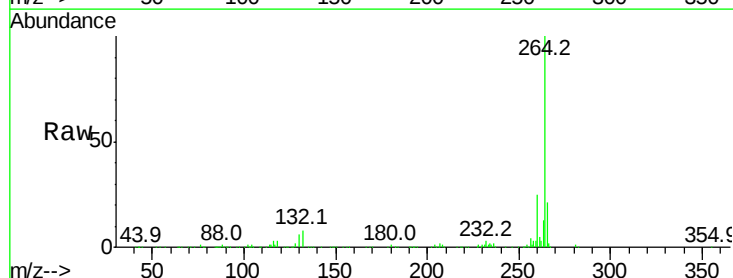
Tgt Ion:264 Resp: 432887

Ion Ratio Lower Upper

264 100

260 24.6 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

