

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
 Data File : BG032837.D
 Acq On : 27 Feb 2018 1:18
 Operator : SJ/JU
 Sample : J1691-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 27 03:39:01 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	81150	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	348277	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	192606	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	441154	20.00	ng	0.00
75) Chrysene-d12	22.62	240	413395	20.00	ng	-0.01
86) Perylene-d12	26.43	264	435625	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	731360	144.19	ng	0.00
7) Phenol-d6	8.02	99	872408	123.39	ng	0.00
23) Nitrobenzene-d5	10.12	82	616089	118.35	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	346101	170.90	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1329066	99.52	ng	0.00
78) Terphenyl-d14	20.78	244	1877862	102.06	ng	0.00

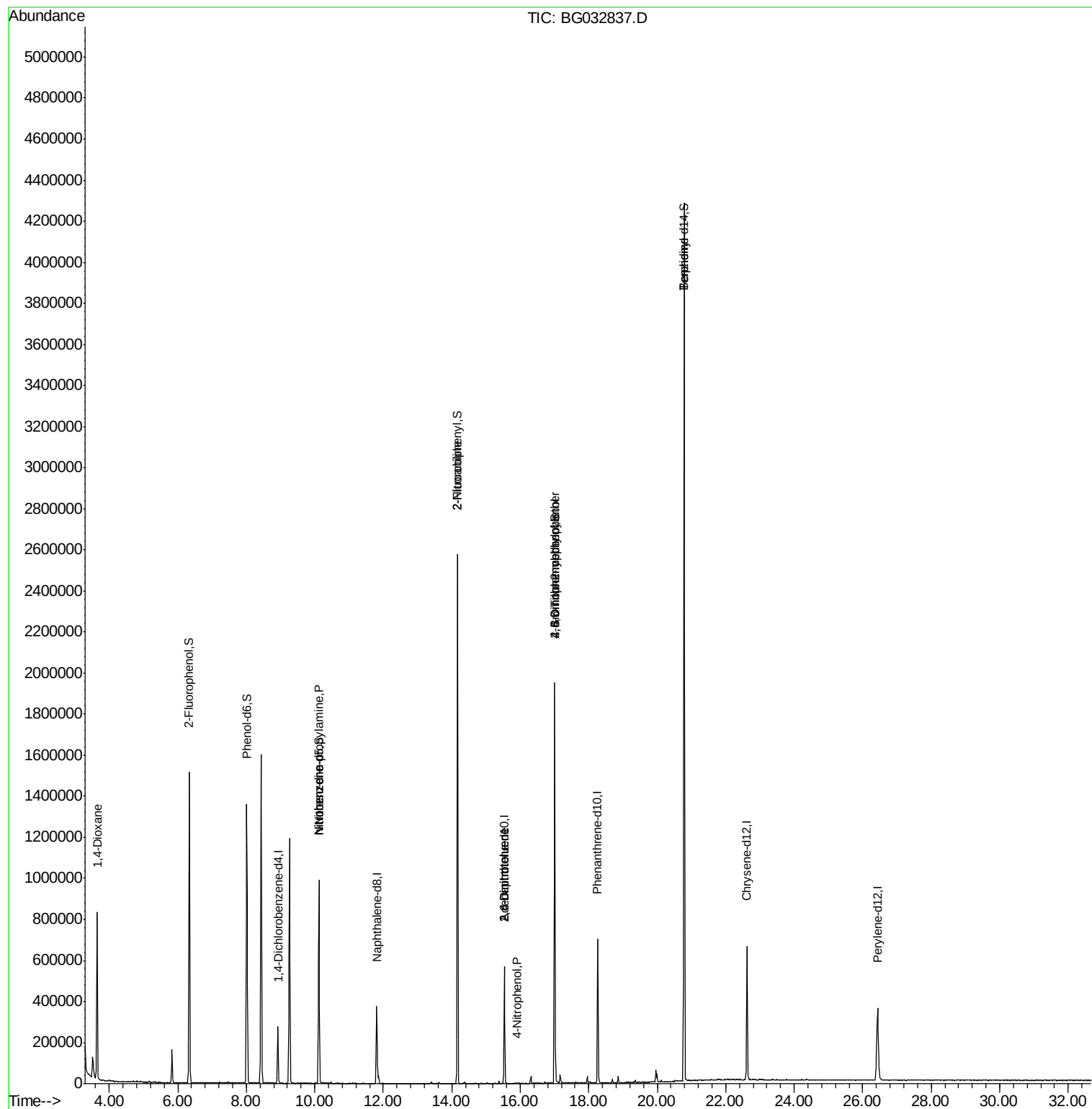
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.65	88	8853	4.02	ng	# 1
19) n-Nitroso-di-n-propylamine	10.12	70	80765	16.18	ng	# 78
24) Nitrobenzene	10.12	77	2042	6.70	ng	# 38
47) 2-Nitroaniline	14.16	65	2272	10.41	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	24897	16.39	ng	# 20
55) 4-Nitrophenol	15.92	139	68	7.10	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	24897	14.59	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	1218	6.12	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	24014	5.15	ng	# 1
76) Benzidine	20.78	184	33889	2.40	ng	# 92

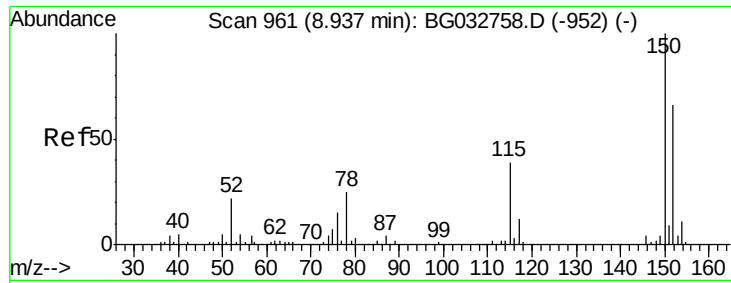
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.92 min Scan# 959

Delta R.T. -0.00 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

Instrument :

BNA_G

ClientSampleId :

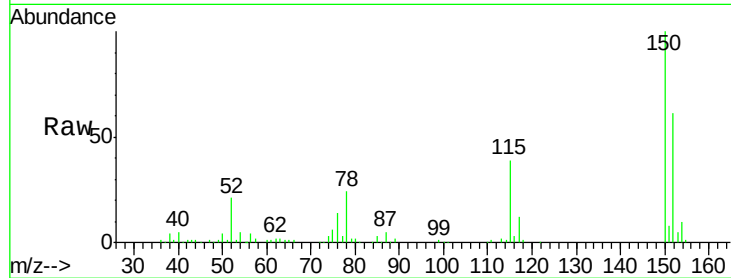
Tot Ion:152 Resp: 81150

Ion Ratio Lower Upper

152 100

150 164.6 126.6 189.8

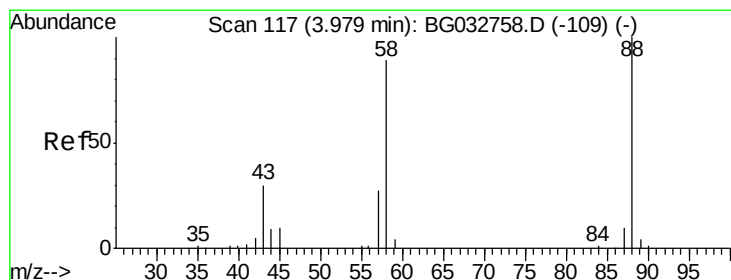
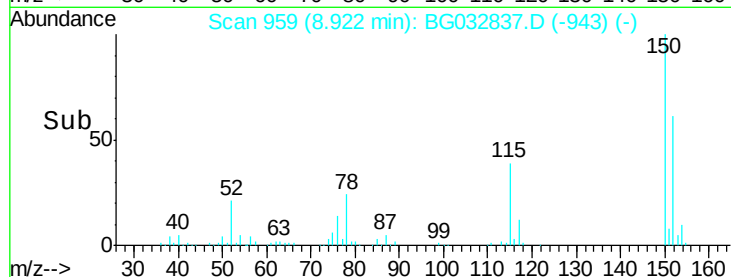
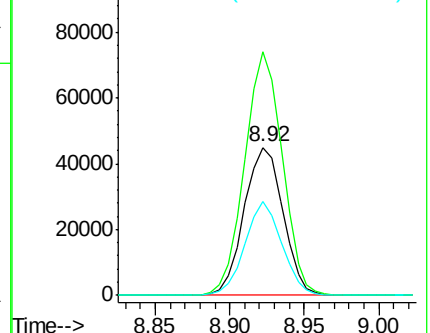
115 63.5 53.0 79.4



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



#2

1,4-Dioxane

Concen: 4.02 ng

RT: 3.65 min Scan# 61

Delta R.T. -0.33 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

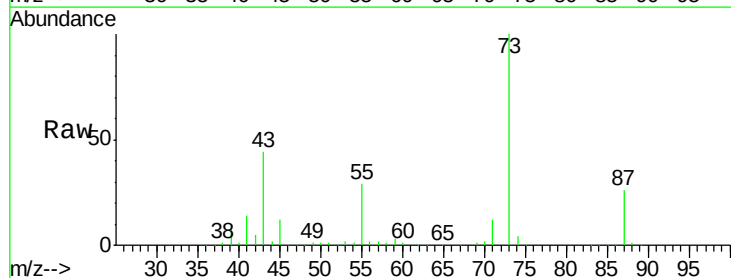
Tgt Ion: 88 Resp: 8853

Ion Ratio Lower Upper

88 100

58 34.4 79.6 119.4#

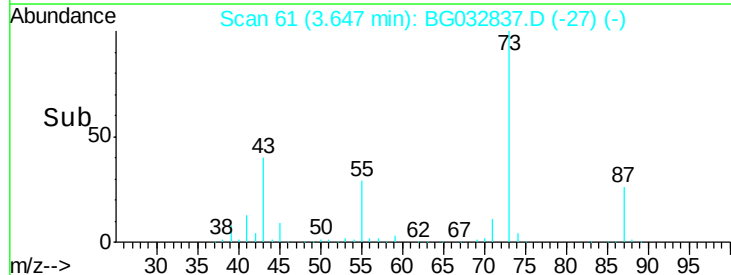
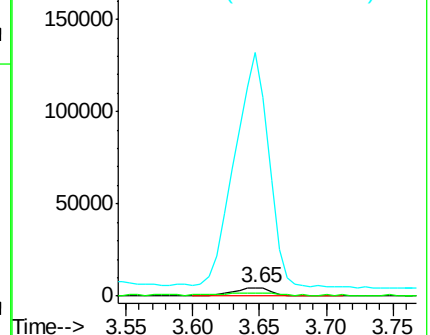
43 2544.1 27.4 41.0#

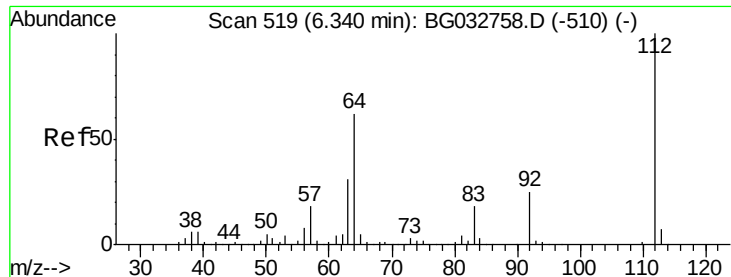


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 144.19 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.00 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

Instrument :

BNA_G

ClientSampled :

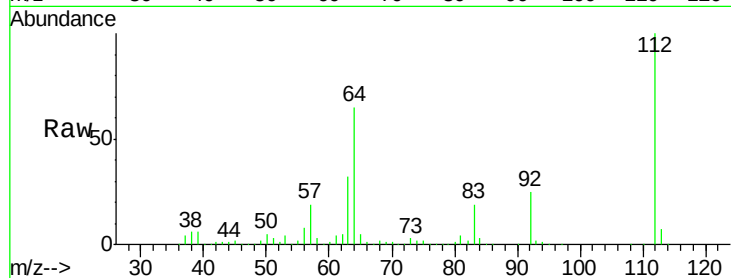
Tot Ion:112 Resp: 731360

Ion Ratio Lower Upper

112 100

64 64.7 56.3 84.5

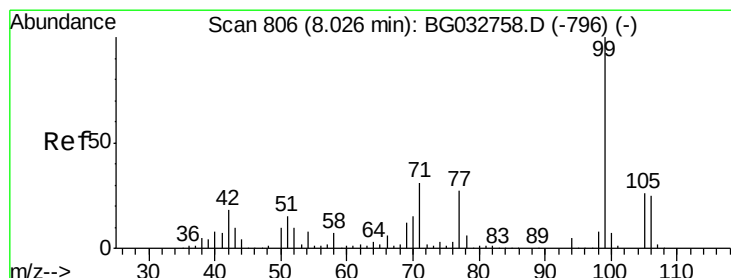
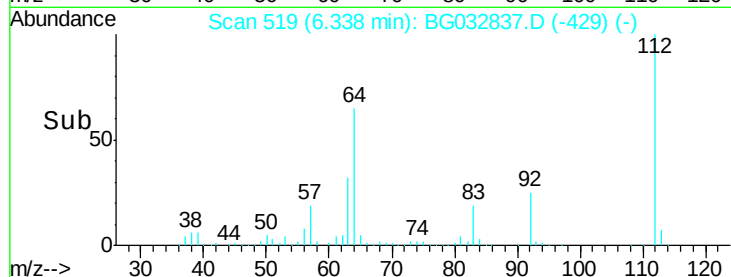
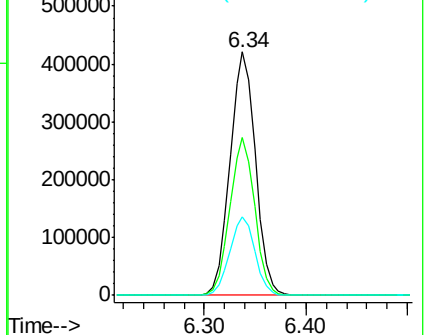
63 32.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 123.39 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

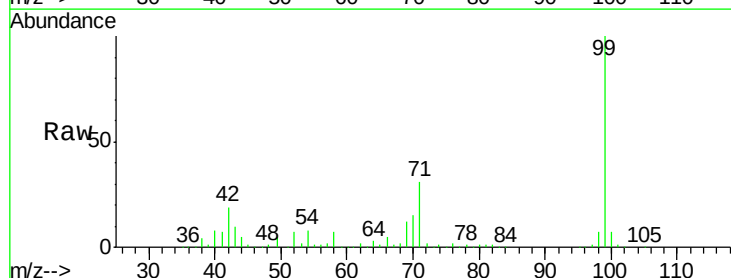
Tgt Ion: 99 Resp: 872408

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

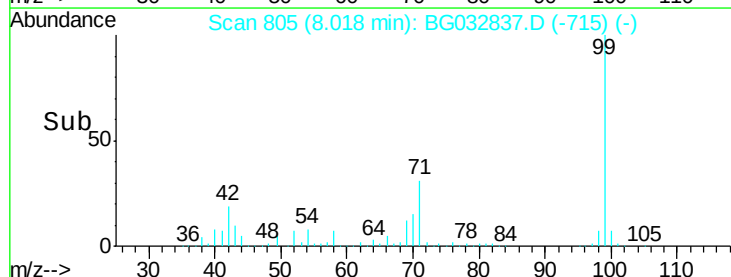
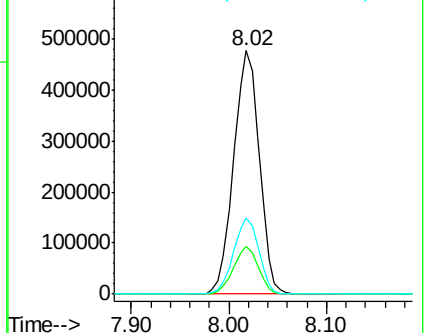
71 31.1 26.1 39.1

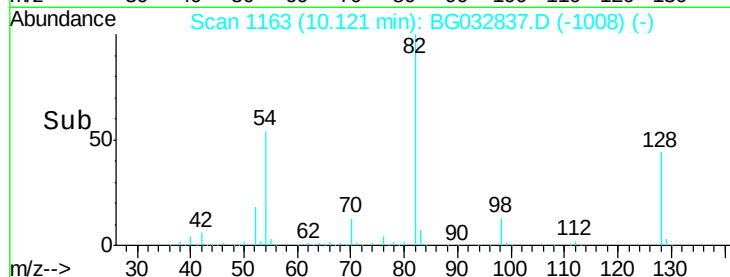
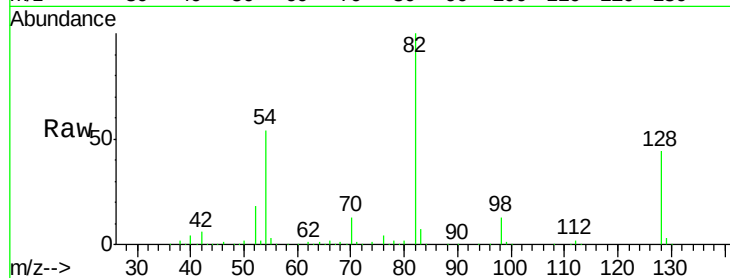
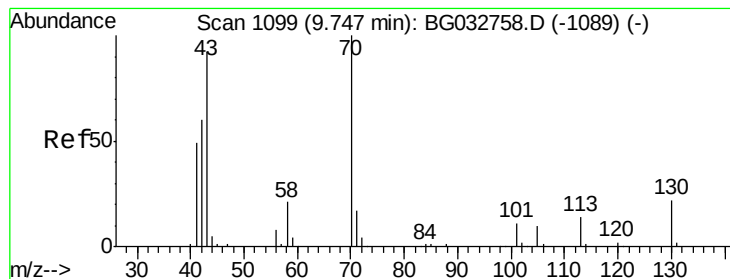


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.18 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 80765

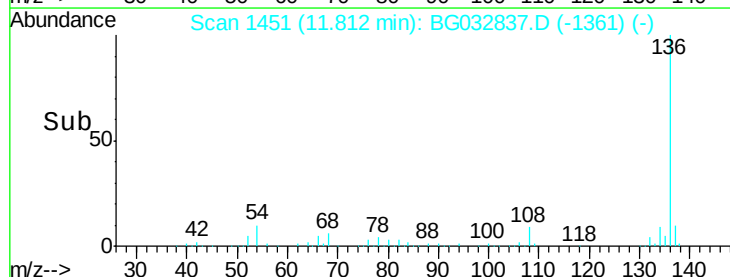
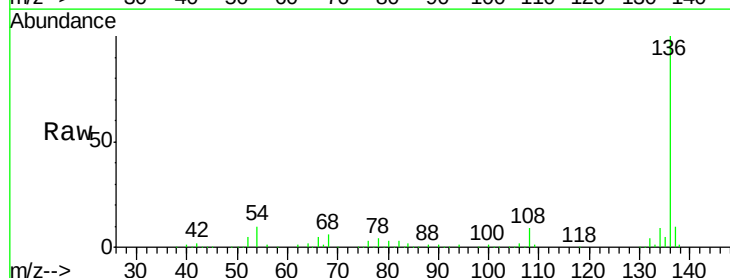
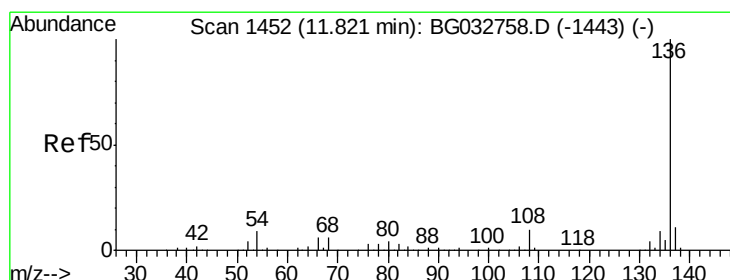
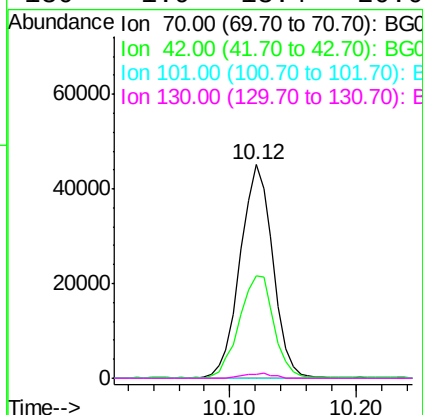
Ion Ratio Lower Upper

70 100

42 48.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.81 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

Tgt Ion: 136 Resp: 348277

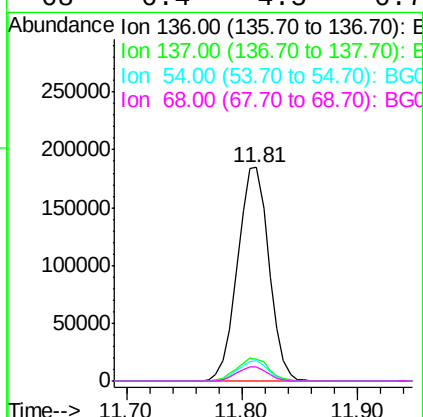
Ion Ratio Lower Upper

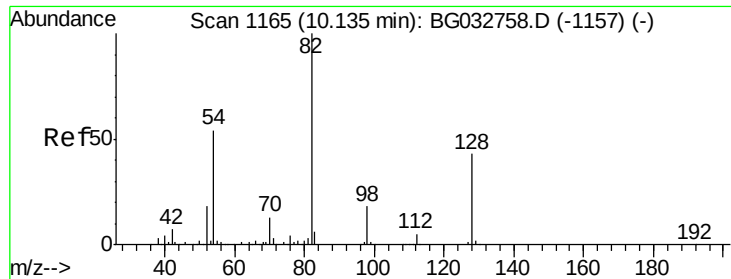
136 100

137 10.4 9.2 13.8

54 9.5 10.3 15.5#

68 6.4 4.5 6.7

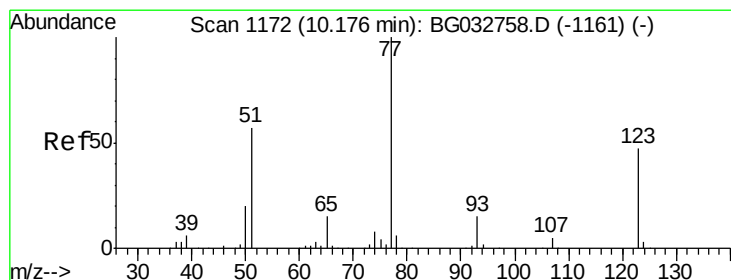
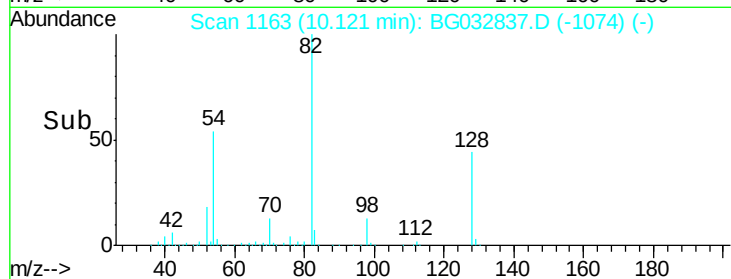
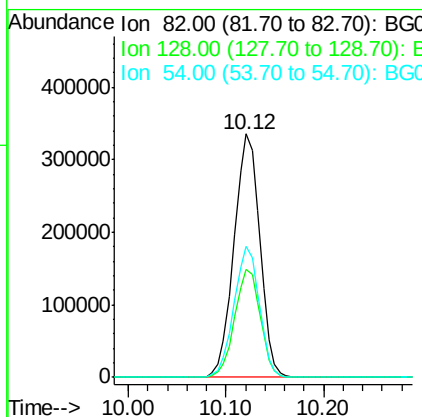
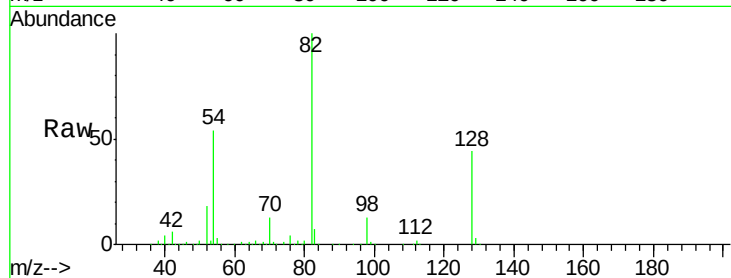




#23
 Nitrobenzene-d5
 Concen: 118.35 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BG032837.D
 Acq: 27 Feb 2018 1:18

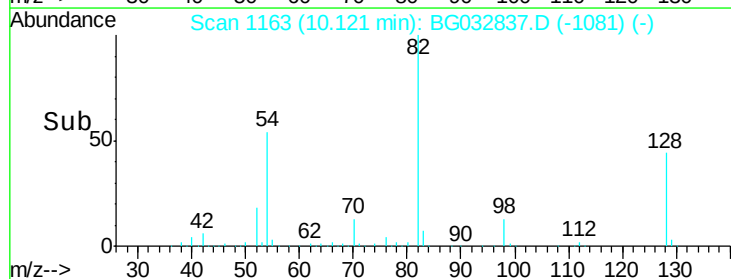
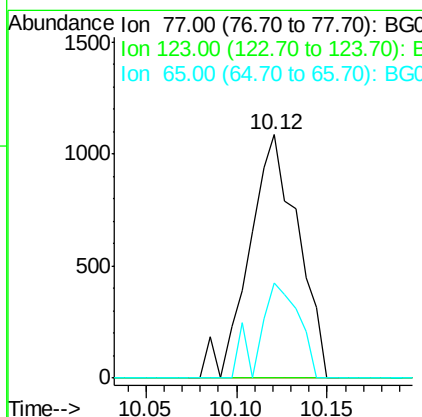
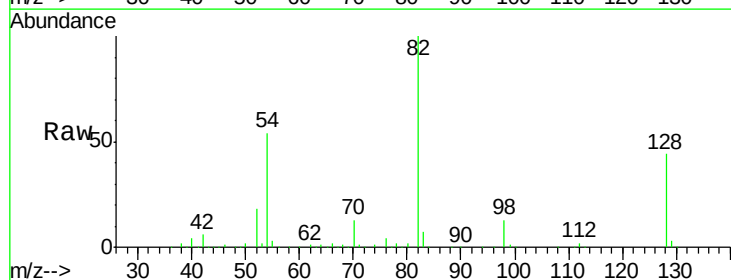
Instrument :
 BNA_G
 ClientSampled :

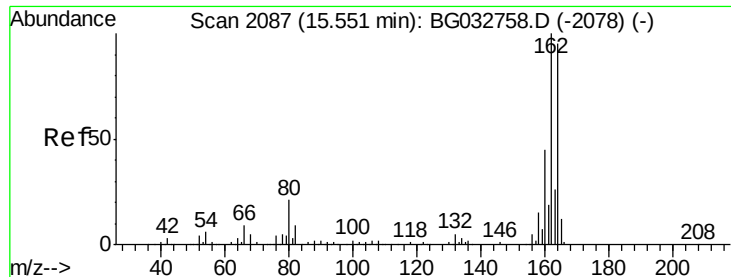
Tot Ion	82	Resp	616089
Ion Ratio	Lower	Upper	
82	100		
128	44.4	29.7	44.5
54	53.6	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.70 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.05 min
 Lab File: BG032837.D
 Acq: 27 Feb 2018 1:18

Tgt Ion	77	Resp	2042
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.0	49.6#
65	38.8	13.0	19.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

Instrument :

BNA_G

ClientSampleId :

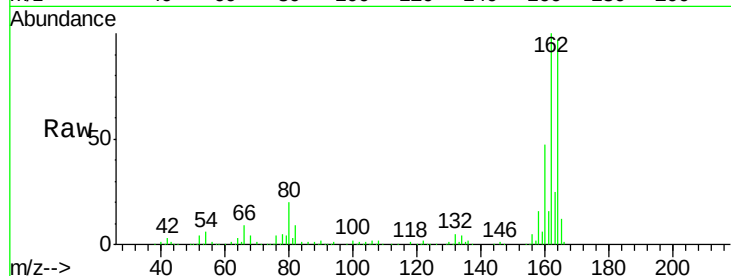
Tot Ion:164 Resp: 192606

Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

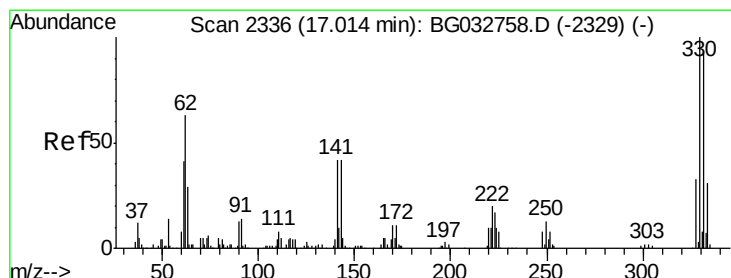
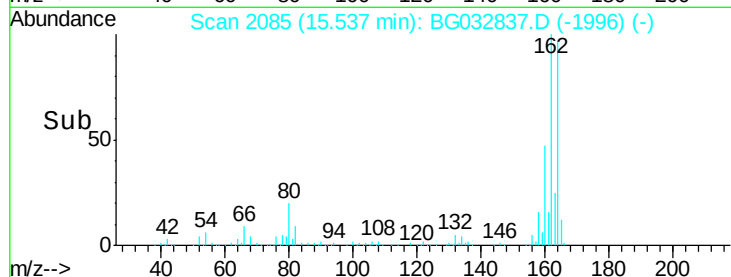
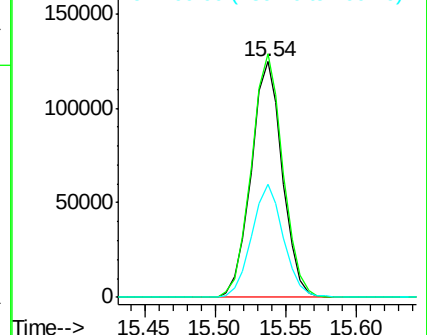
160 48.1 35.4 53.0



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: 170.90 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

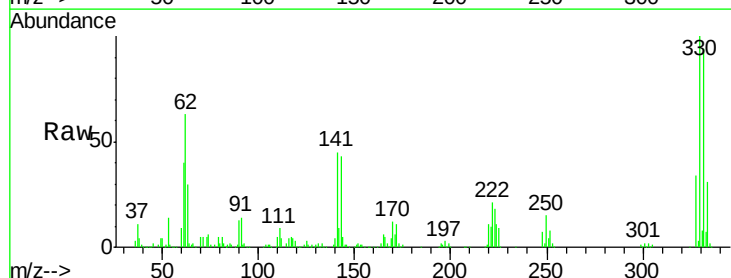
Tgt Ion:330 Resp: 346101

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

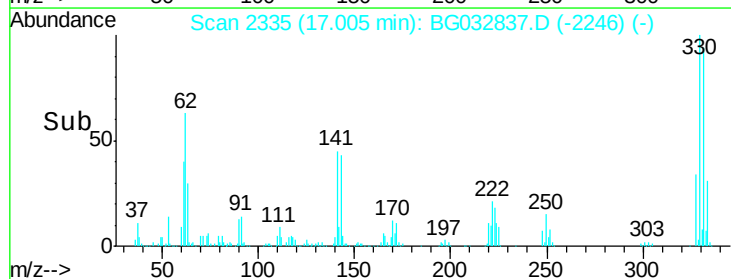
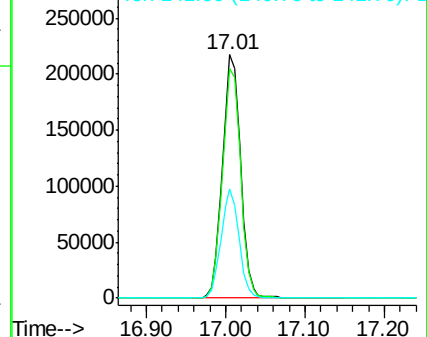
141 43.9 25.2 37.8#

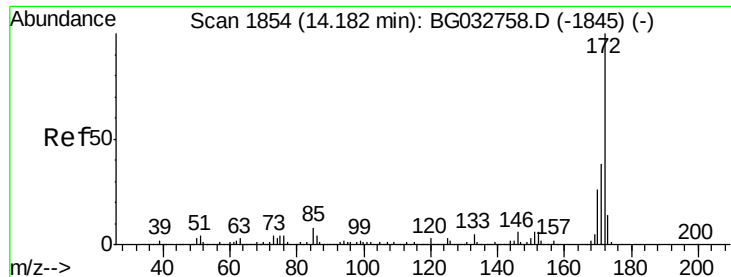


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

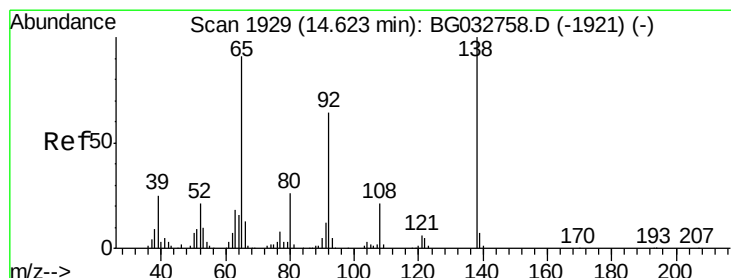
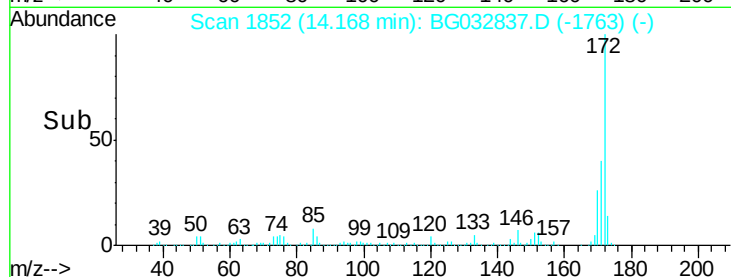
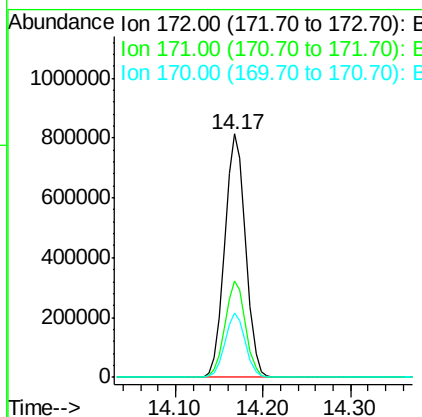
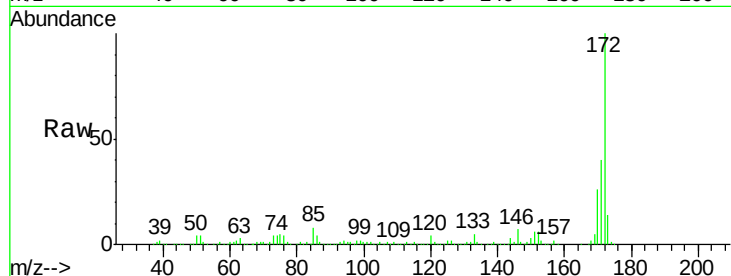




#44
2-Fluorobiphenyl
Concen: 99.52 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BG032837.D
Acq: 27 Feb 2018 1:18

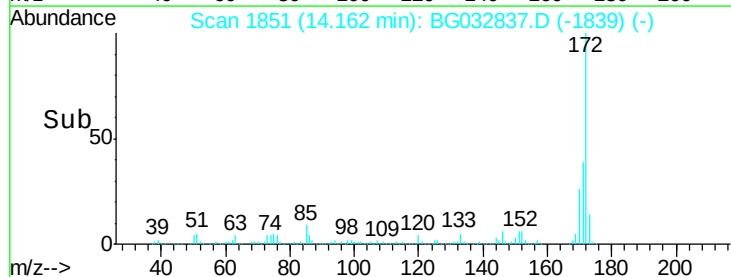
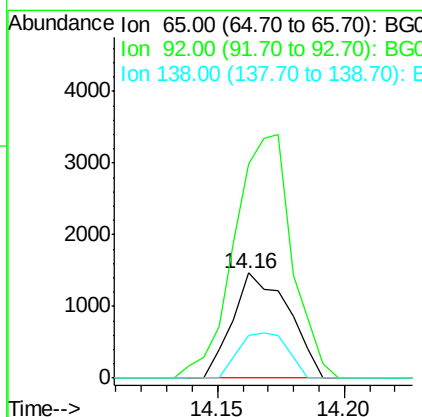
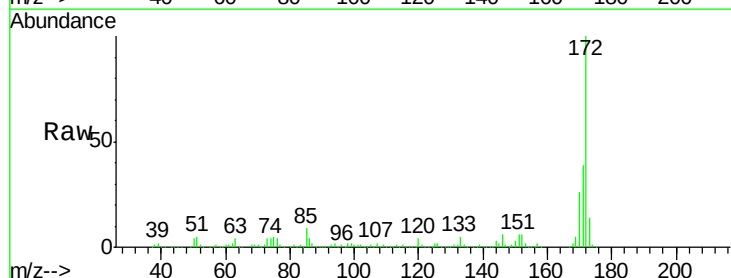
Instrument :
BNA_G
ClientSampleId :

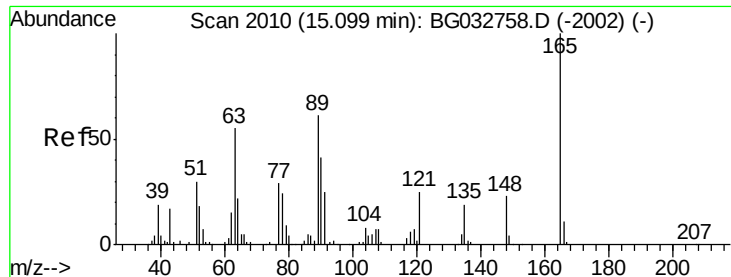
Tot Ion:172 Resp: 1329066
Ion Ratio Lower Upper
172 100
171 39.7 30.0 45.0
170 26.3 19.5 29.3



#47
2-Nitroaniline
Concen: 10.41 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.46 min
Lab File: BG032837.D
Acq: 27 Feb 2018 1:18

Tgt Ion: 65 Resp: 2272
Ion Ratio Lower Upper
65 100
92 203.1 54.6 82.0#
138 40.9 72.9 109.3#





#50

2,6-Dinitrotoluene

Concen: 16.39 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

Instrument :

BNA_G

ClientSampleId :

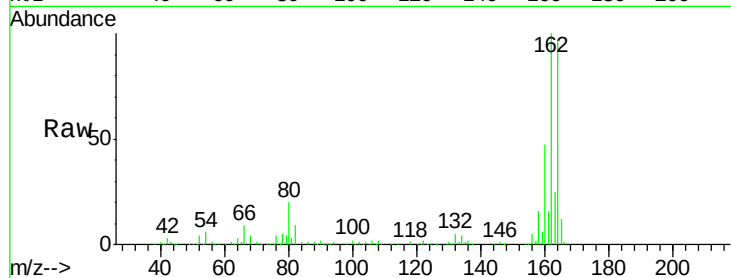
Tot Ion:165 Resp: 24897

Ion Ratio Lower Upper

165 100

63 1.1 52.7 79.1#

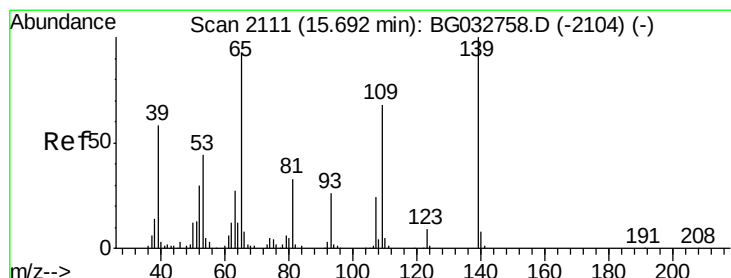
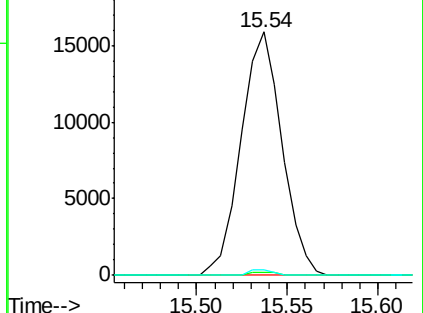
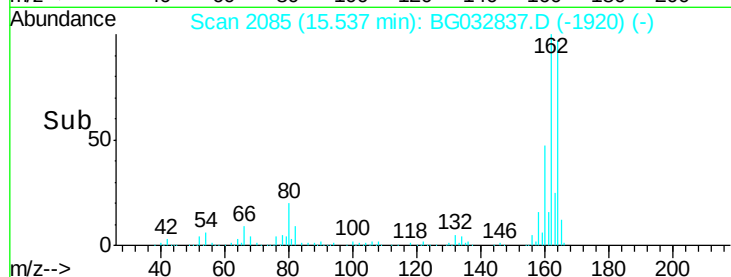
89 2.2 49.2 73.8#



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



#55

4-Nitrophenol

Concen: 7.10 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.23 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

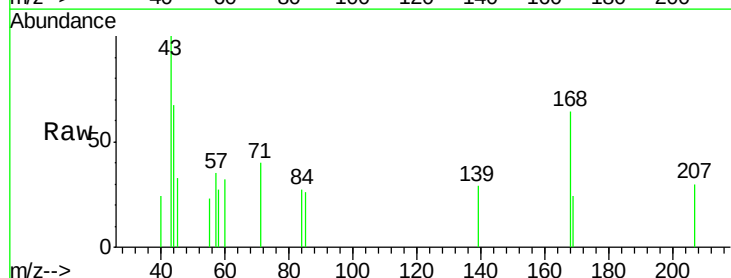
Tgt Ion:139 Resp: 68

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

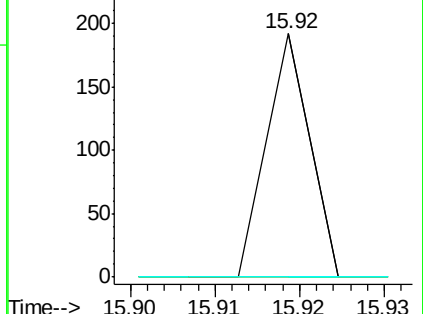
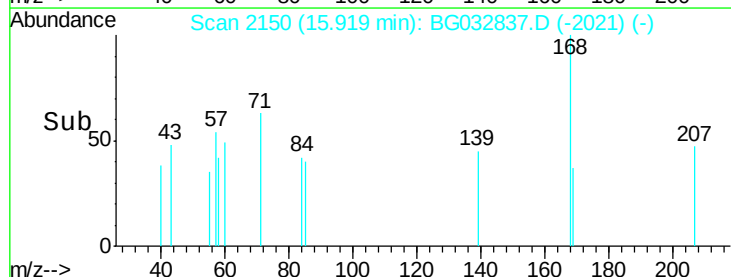
65 0.0 97.2 137.2#

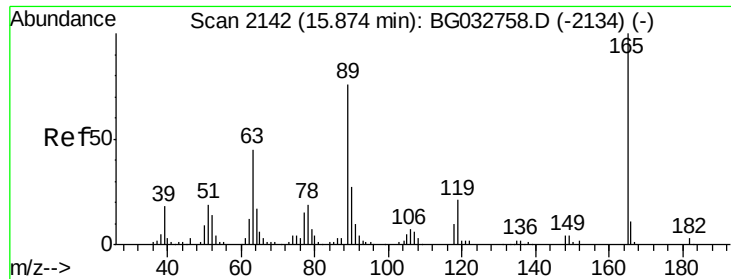


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

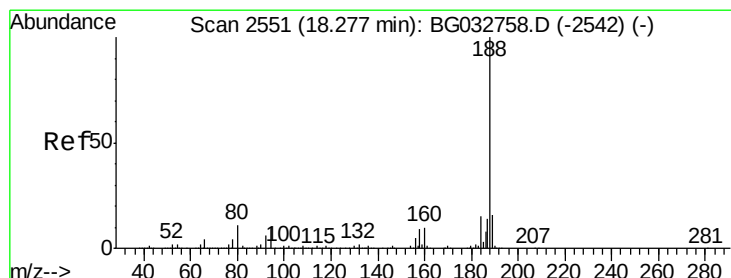
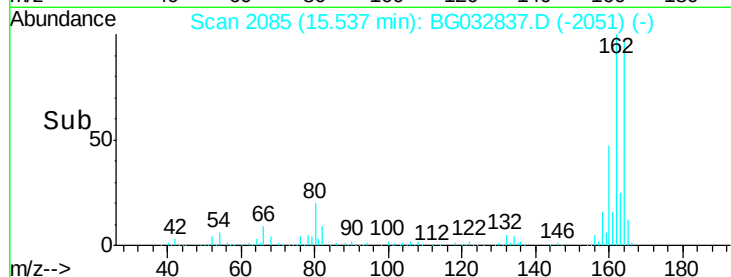
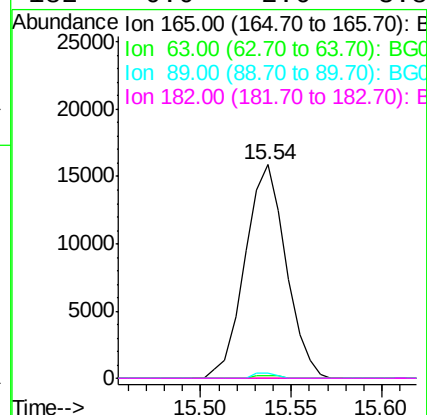
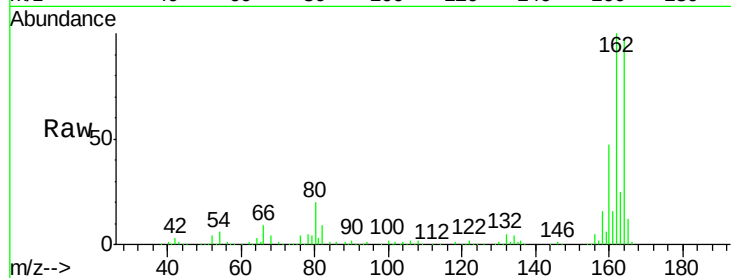




#56
 2,4-Dinitrotoluene
 Concen: 14.59 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032837.D
 Acq: 27 Feb 2018 1:18

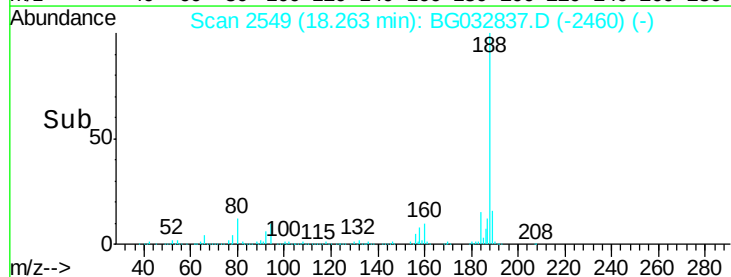
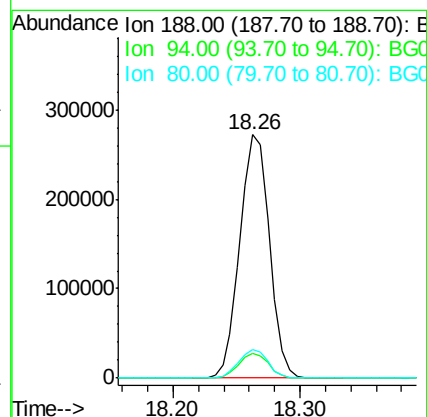
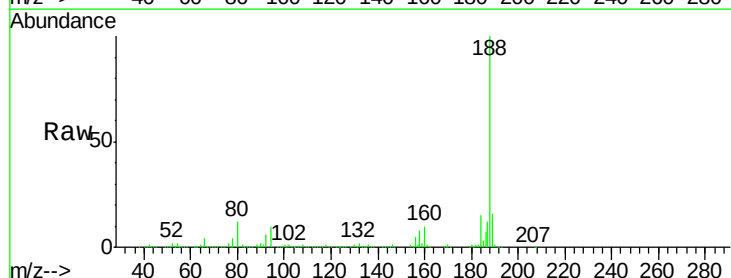
Instrument :
 BNA_G
 ClientSampled :

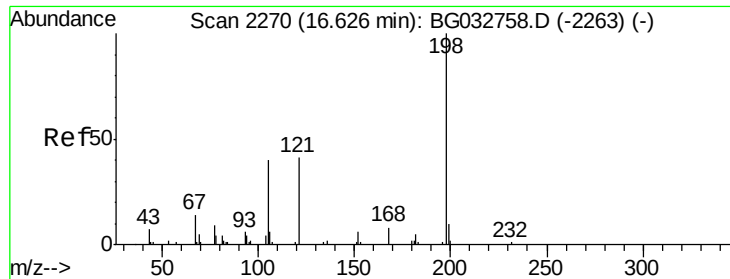
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.0	63.0#
89	2.2	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BG032837.D
 Acq: 27 Feb 2018 1:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	6.9	10.3
80	11.9	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 6.12 ng

RT: 17.01 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

Instrument :

BNA_G

ClientSampled :

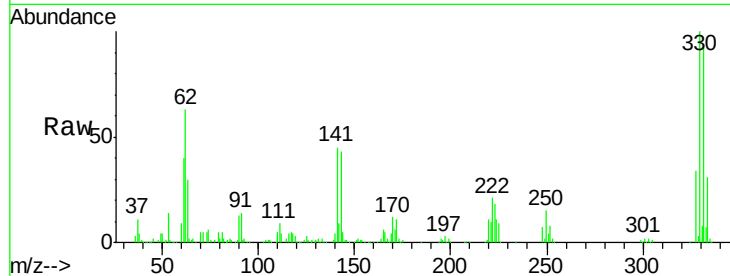
Tot Ion:198 Resp: 1218

Ion Ratio Lower Upper

198 100

51 128.5 30.6 70.6#

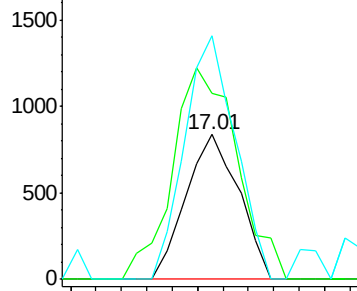
105 167.9 23.8 63.8#



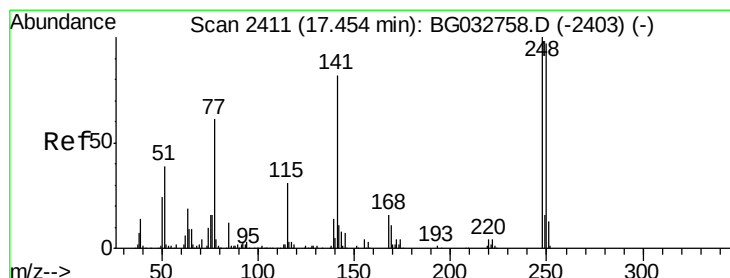
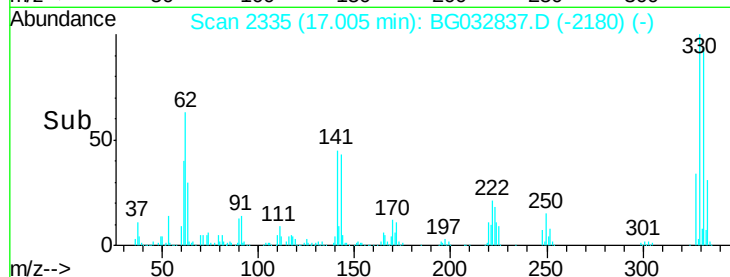
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.15 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.44 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

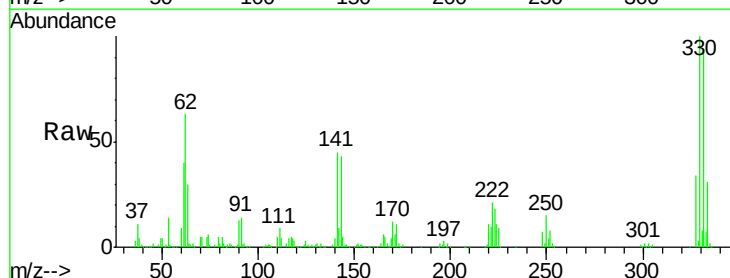
Tgt Ion:248 Resp: 24014

Ion Ratio Lower Upper

248 100

250 221.0 77.1 115.7#

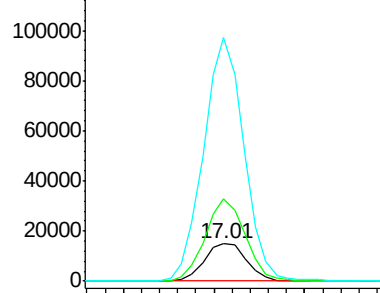
141 658.2 50.8 76.2#



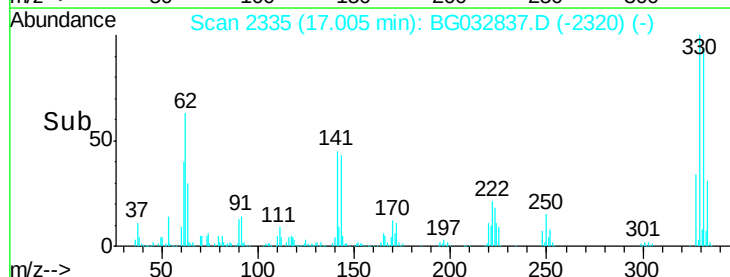
Abundance Ion 248.00 (247.70 to 248.70): E

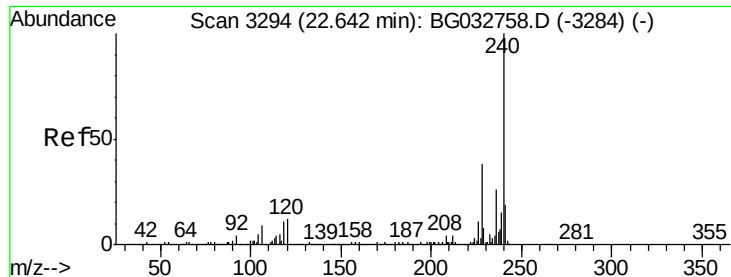
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.01 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

Instrument :

BNA_G

ClientSampleId :

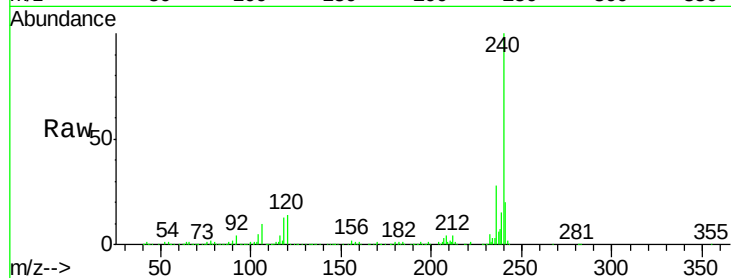
Tot Ion:240 Resp: 413395

Ion Ratio Lower Upper

240 100

120 13.9 6.8 10.2#

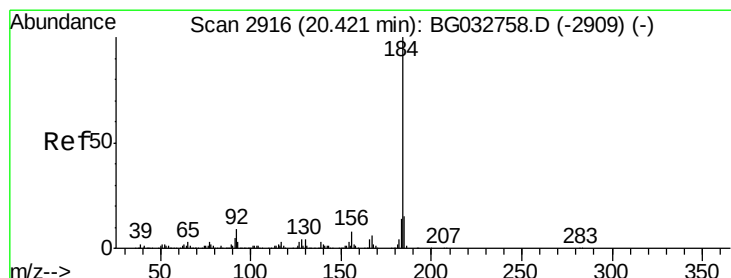
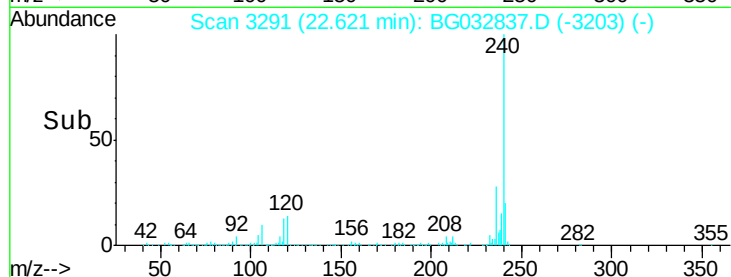
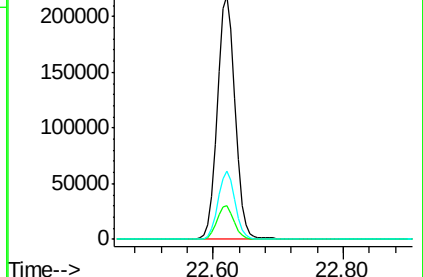
236 28.1 20.9 31.3



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: 2.40 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

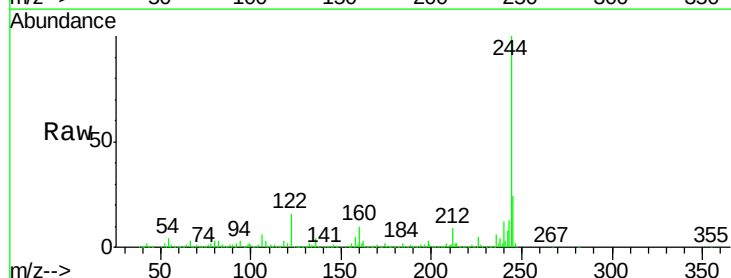
Tgt Ion:184 Resp: 33889

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

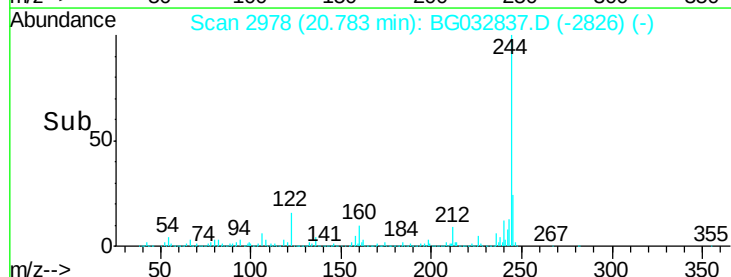
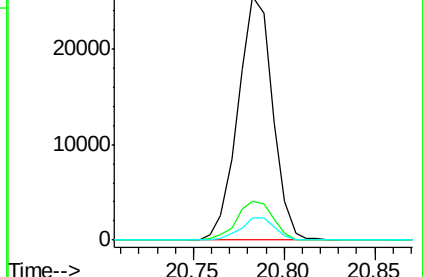
183 8.9 10.6 16.0#

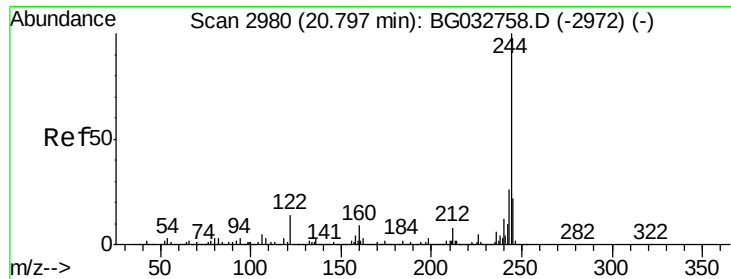


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 102.06 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

Instrument :

BNA_G

ClientSampleId :

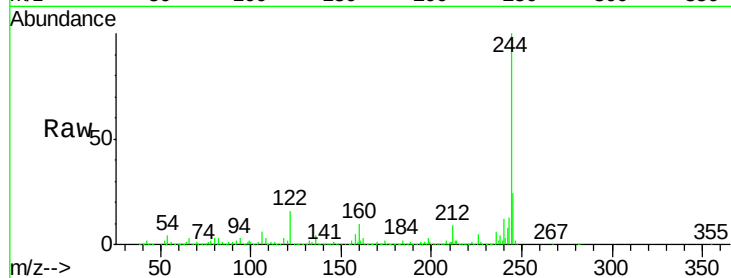
Tot Ion:244 Resp: 1877862

Ion Ratio Lower Upper

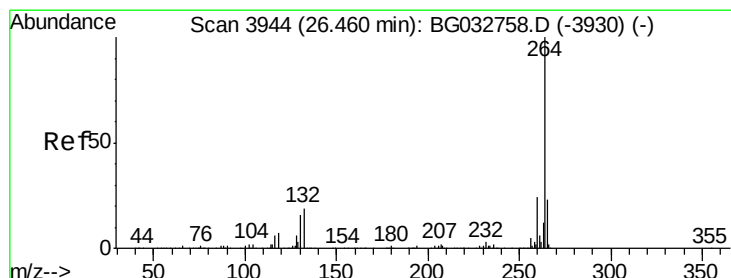
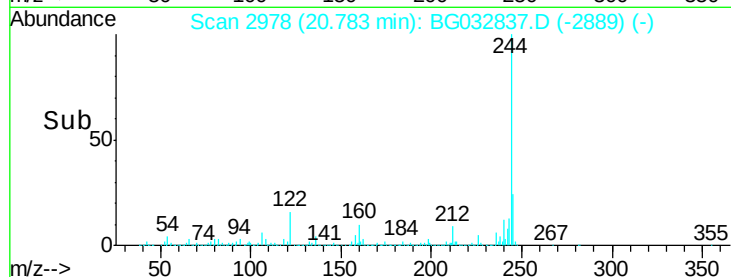
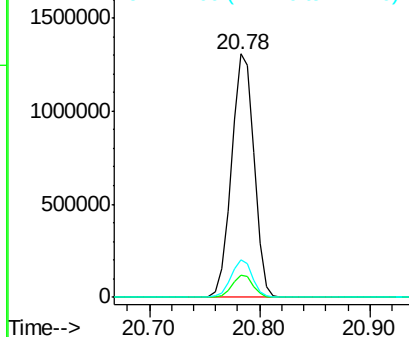
244 100

212 9.2 5.8 8.8#

122 15.5 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: 20.00 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032837.D

Acq: 27 Feb 2018 1:18

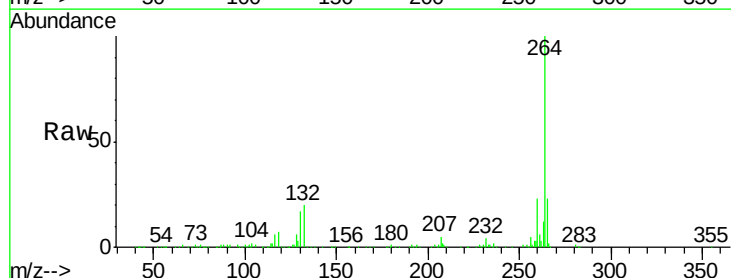
Tgt Ion:264 Resp: 435625

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 22.6 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

