

Data Path : U:\HPCHEM1\BNA G\DATA\BG012618\
 Data File : BG032336.D
 Acq On : 26 Jan 2018 20:00
 Operator : SJ/JU
 Sample : J1288-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 23:09:29 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	38434	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	145434	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	100556	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	265426	20.00	ng	0.00
75) Chrysene-d12	22.41	240	349164	20.00	ng	-0.01
86) Perylene-d12	26.09	264	366552	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	273157	129.99	ng	0.00
7) Phenol-d6	7.84	99	334989	126.57	ng	0.00
23) Nitrobenzene-d5	9.92	82	210026	97.70	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	249598	150.00	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	654195	80.67	ng	0.00
78) Terphenyl-d14	20.62	244	1294051	81.83	ng	-0.01

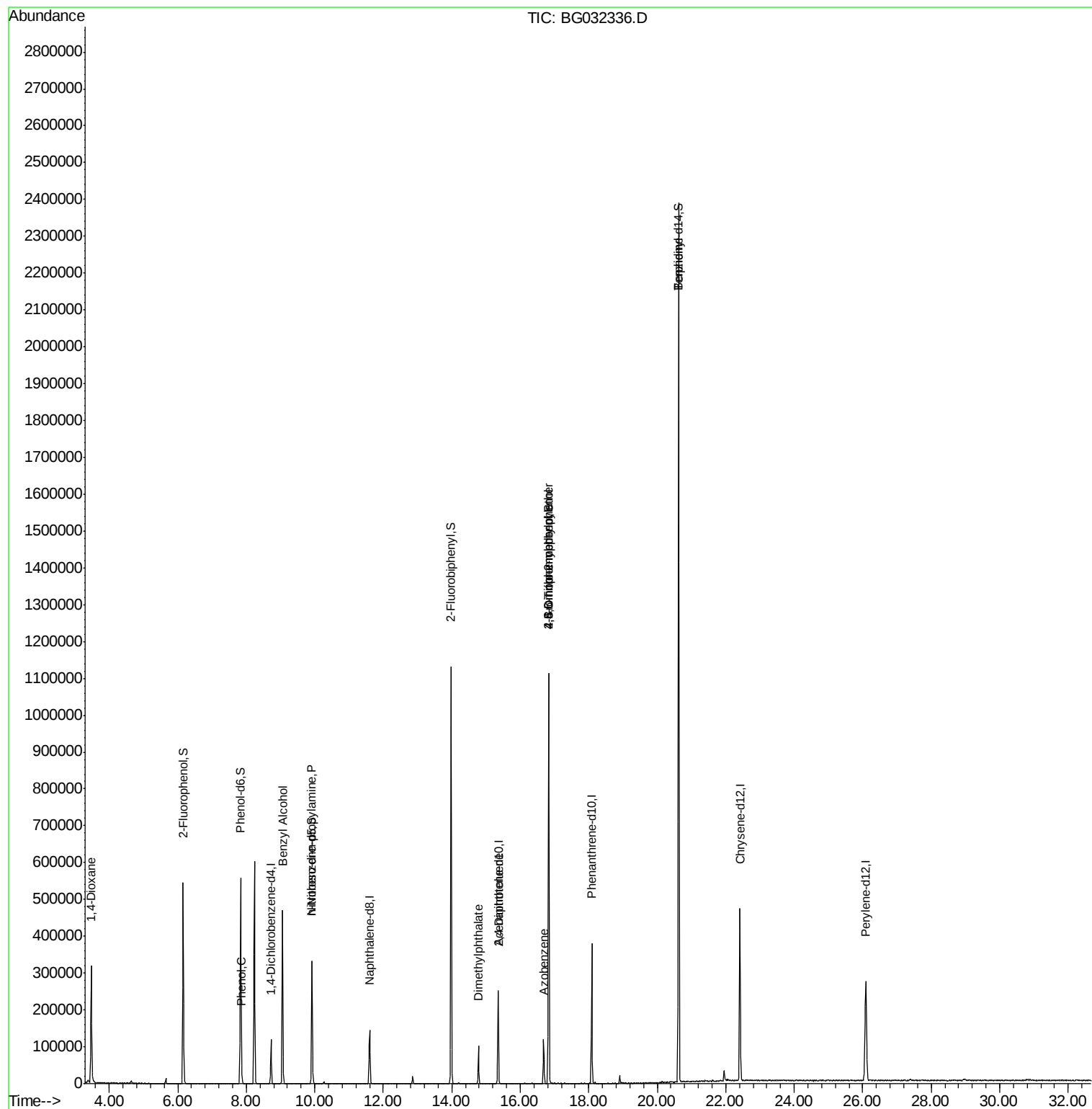
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.48	88	4021	4.981	ng	# 1
10) Phenol	7.87	94	12866	4.935	ng	# 84
15) Benzyl Alcohol	9.06	79	3861	2.008	ng	# 46
19) n-Nitroso-di-n-propylamine	9.92	70	30701	18.696	ng	# 74
49) Dimethylphthalate	14.78	163	74986	8.522	ng	# 97
56) 2,4-Dinitrotoluene	15.35	165	12831	5.218	ng	# 16
62) Azobenzene	16.68	77	31797	5.955	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.83	198	544	5.172	ng	# 21
66) 4-Bromophenyl-phenylether	16.83	248	21206	5.615	ng	# 1
76) Benzidine	20.63	184	17998	2.061	ng	# 93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 924

Delta R.T. -0.01 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Instrument :

BNA_G

ClientSampleId :

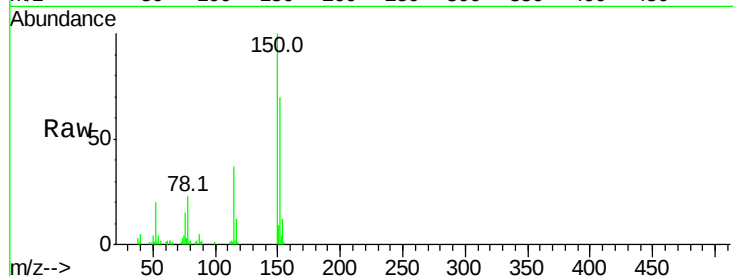
Tot Ion:152 Resp: 38434

Ion Ratio Lower Upper

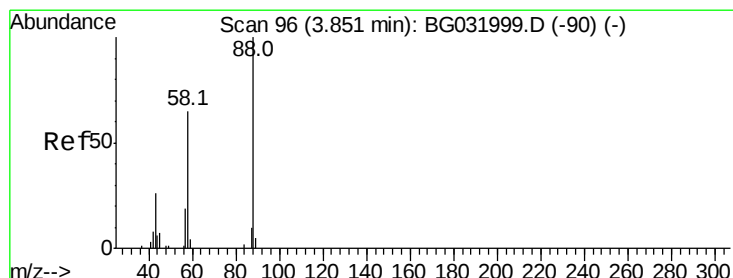
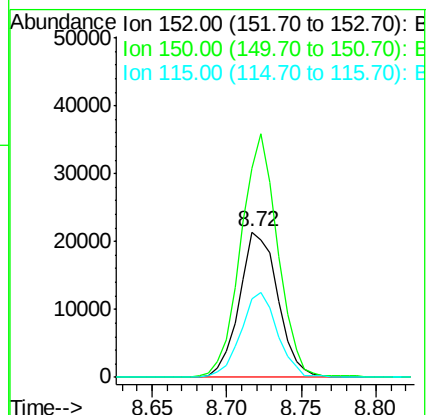
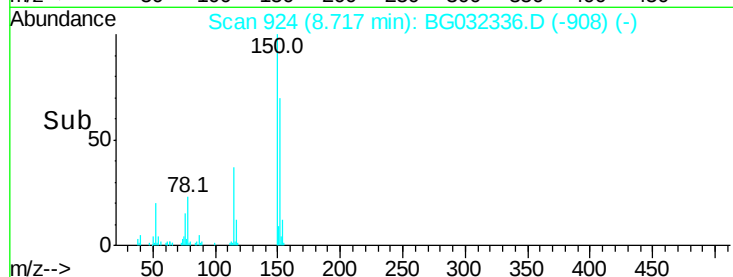
152 100

150 143.6 126.6 189.8

115 53.7 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: 4.981 ng

RT: 3.48 min Scan# 32

Delta R.T. -0.35 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

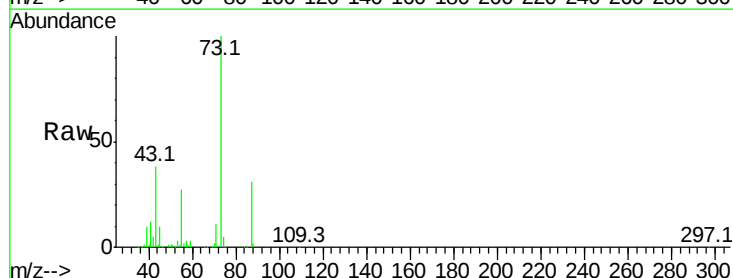
Tgt Ion: 88 Resp: 4021

Ion Ratio Lower Upper

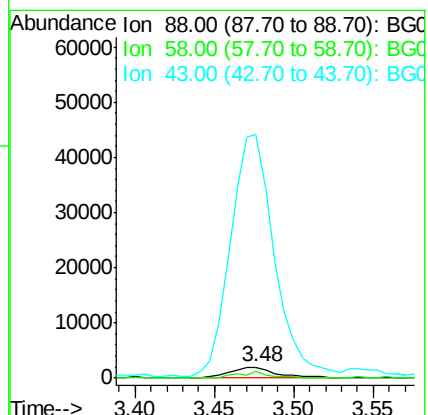
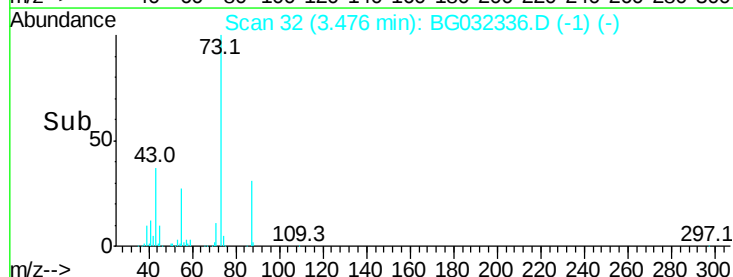
88 100

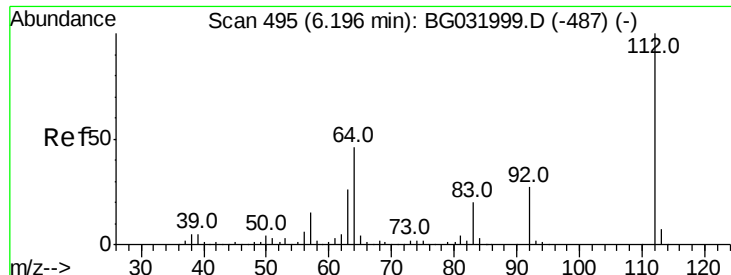
58 43.2 79.6 119.4#

43 2087.6 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: 129.985 ng

RT: 6.16 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Instrument :

BNA_G

ClientSampled :

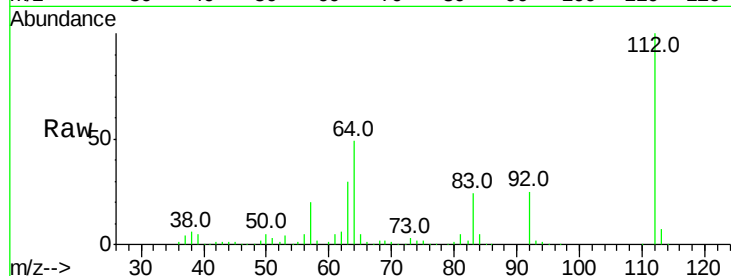
Tot Ion:112 Resp: 273157

Ion Ratio Lower Upper

112 100

64 49.4 56.3 84.5#

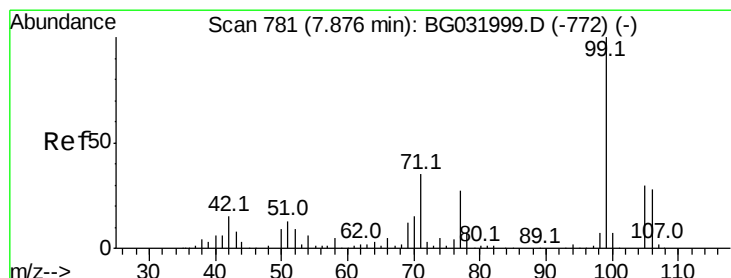
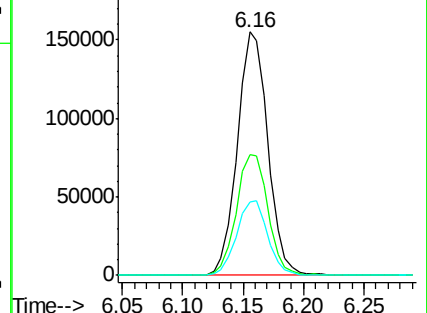
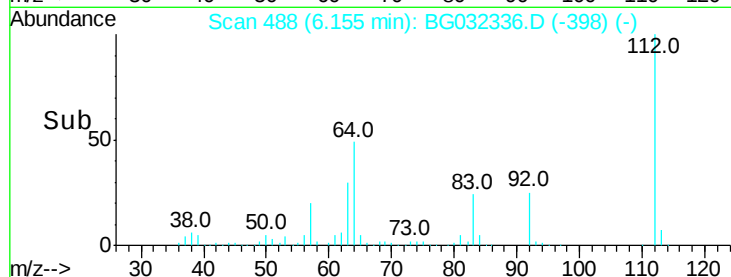
63 30.0 30.1 45.1#



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: 126.572 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

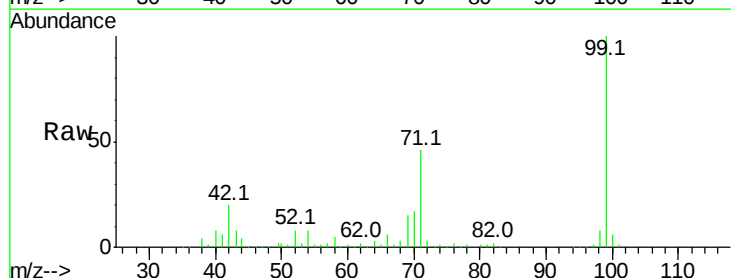
Tgt Ion: 99 Resp: 334989

Ion Ratio Lower Upper

99 100

42 20.1 14.1 21.1

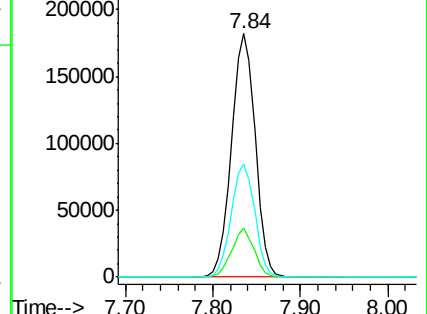
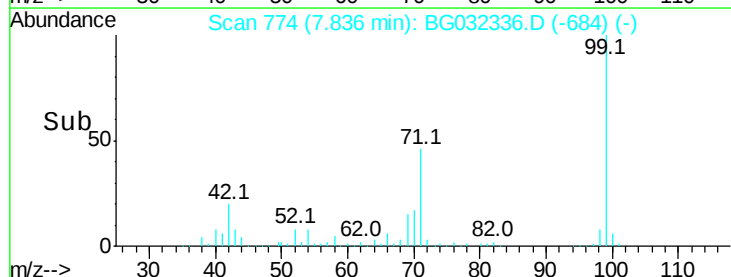
71 46.5 26.1 39.1#

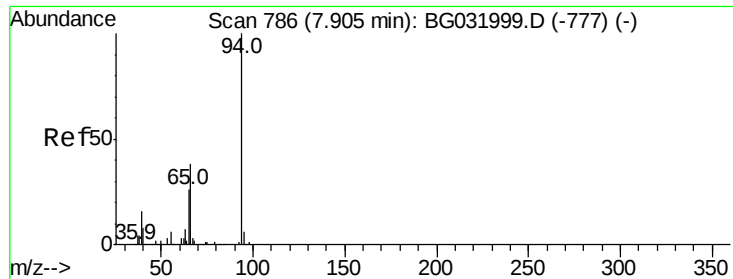


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.935 ng

RT: 7.87 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Instrument :

BNA_G

ClientSampleId :

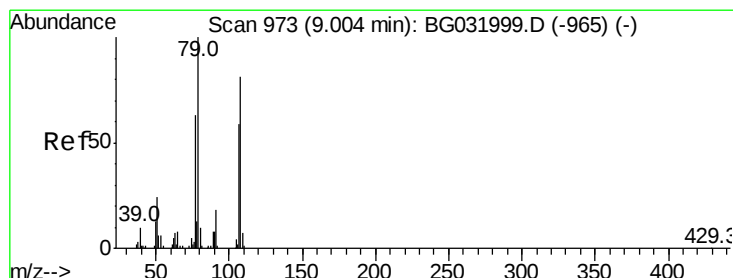
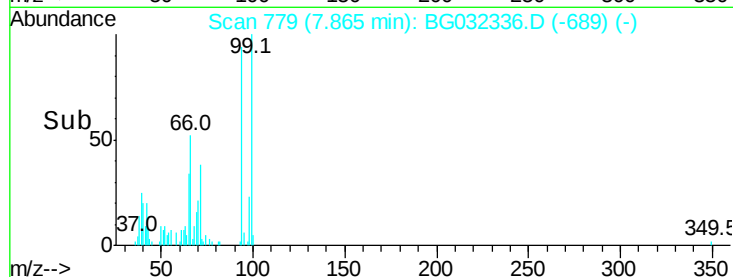
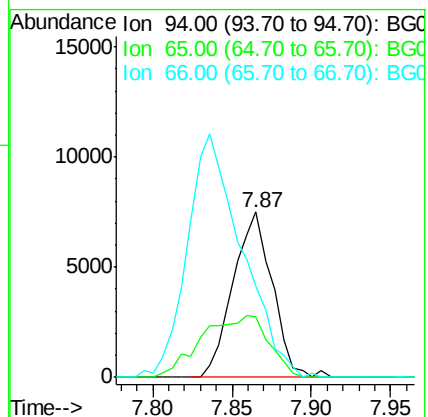
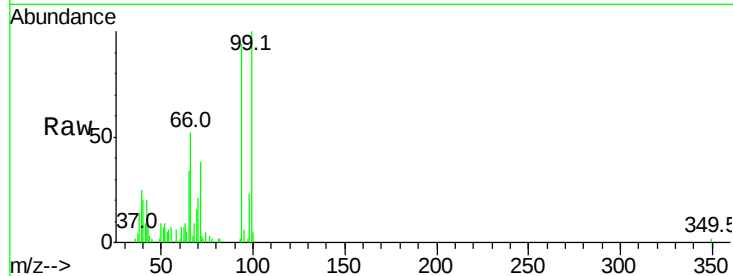
Tot Ion: 94 Resp: 12866

Ion Ratio Lower Upper

94 100

65 36.6 11.9 51.9

66 55.4 22.2 62.2



#15

Benzyl Alcohol

Concen: 2.008 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

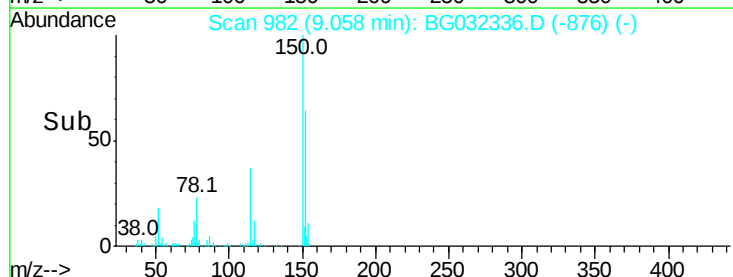
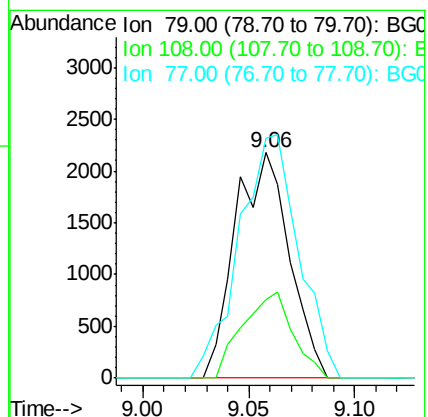
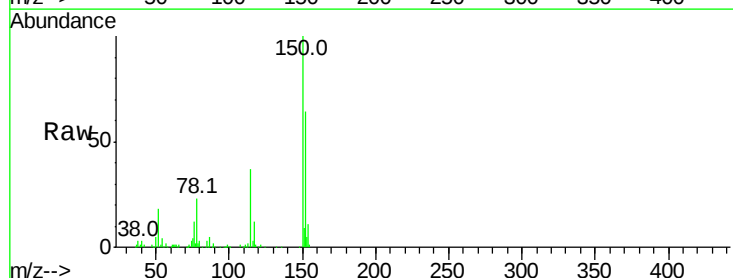
Tgt Ion: 79 Resp: 3861

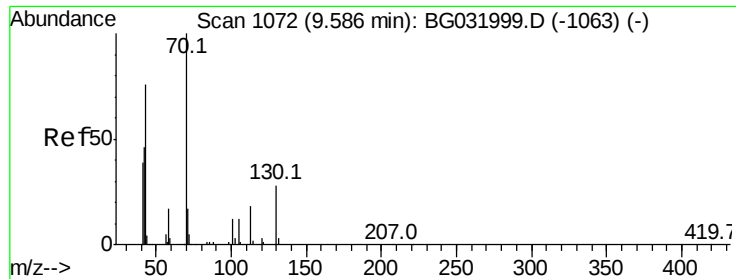
Ion Ratio Lower Upper

79 100

108 34.6 57.2 85.8#

77 106.3 46.1 69.1#





#19

n-Nitroso-di-n-propylamine

Concen: 18.696 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 30701

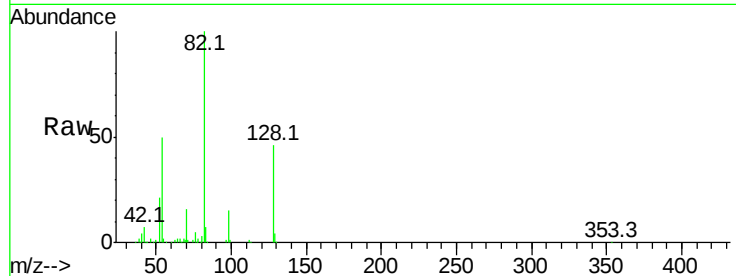
Ion Ratio Lower Upper

70 100

42 43.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

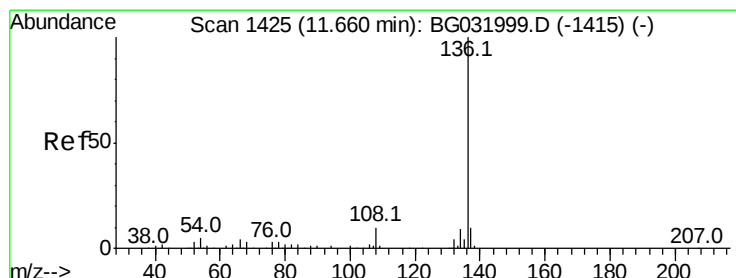
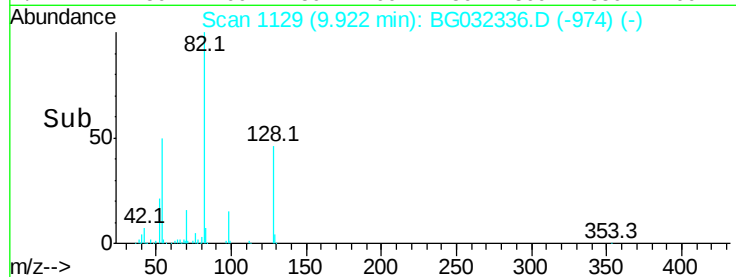
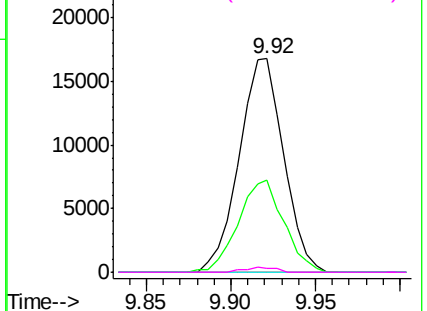


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.60 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Tgt Ion: 136 Resp: 145434

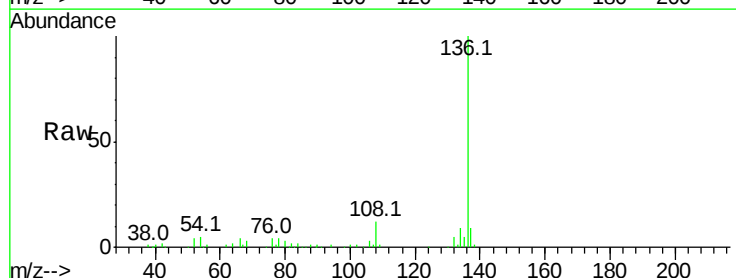
Ion Ratio Lower Upper

136 100

137 9.4 9.2 13.8

54 5.3 10.3 15.5#

68 2.5 4.5 6.7#

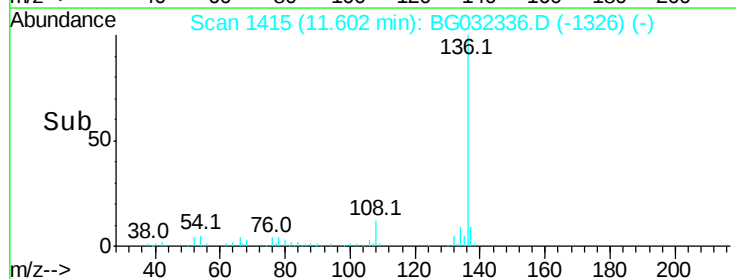
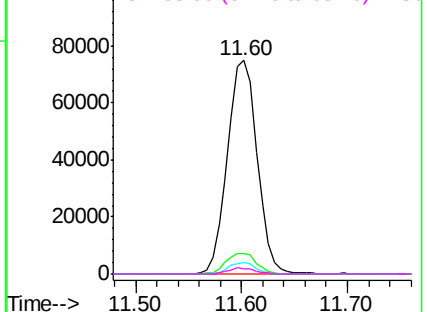


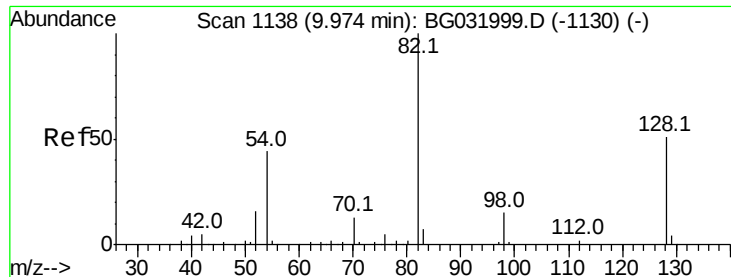
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 97.702 ng

RT: 9.92 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Instrument :

BNA_G

ClientSampled :

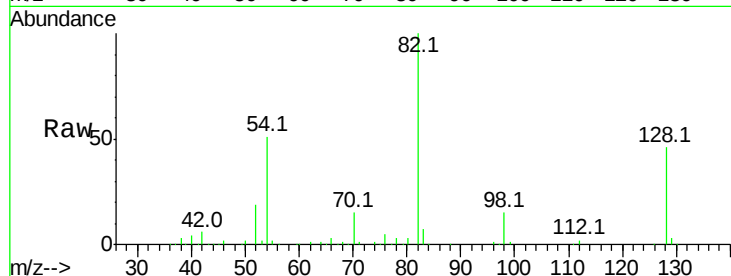
Tot Ion: 82 Resp: 210026

Ion Ratio Lower Upper

82 100

128 45.8 29.7 44.5#

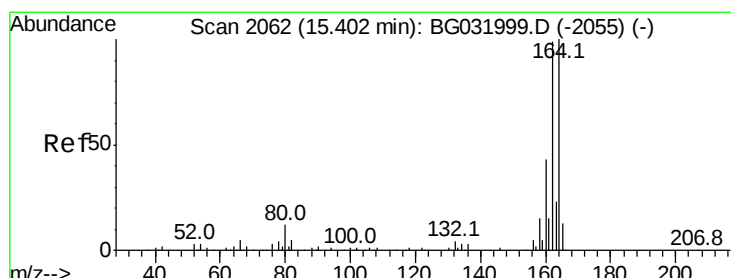
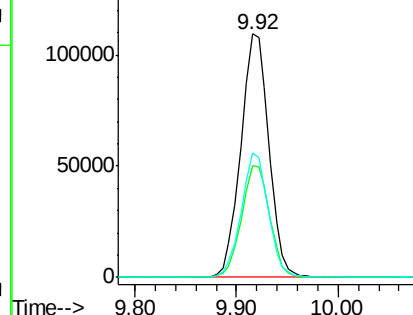
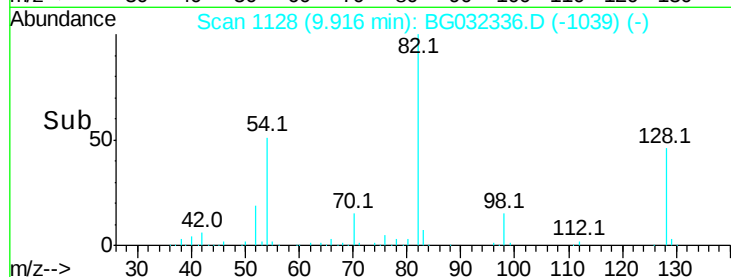
54 51.4 43.1 64.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

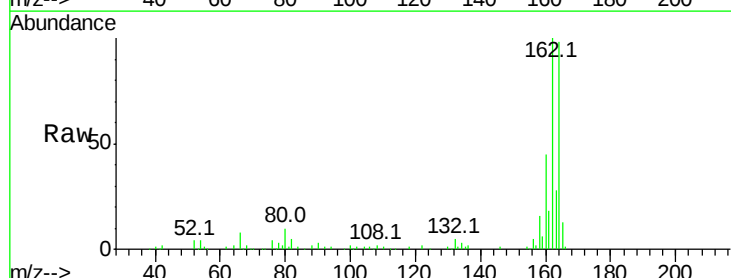
Tgt Ion:164 Resp: 100556

Ion Ratio Lower Upper

164 100

162 102.3 78.8 118.2

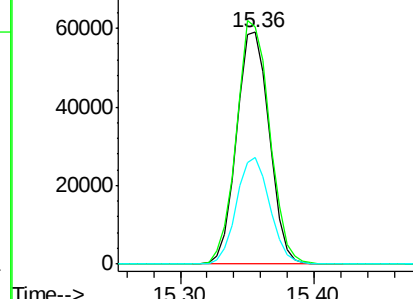
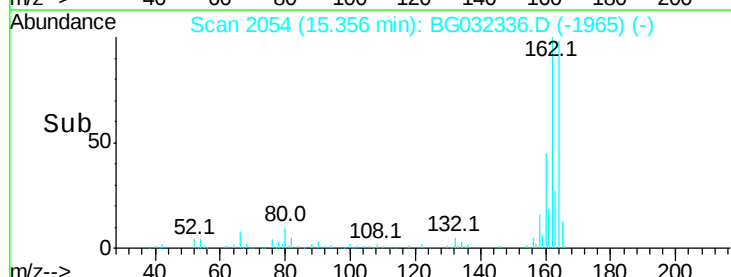
160 46.1 35.4 53.0

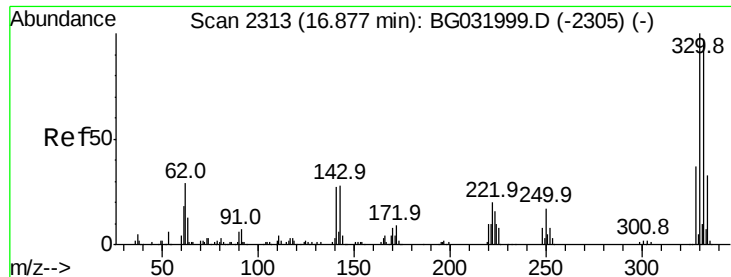


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

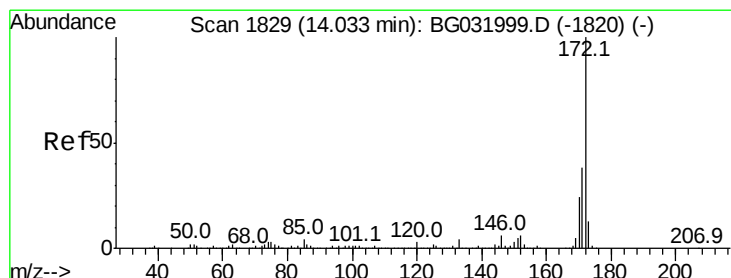
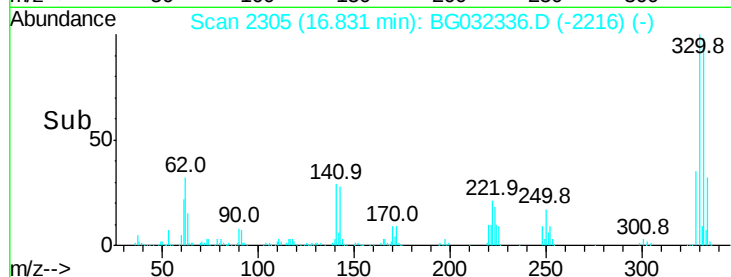
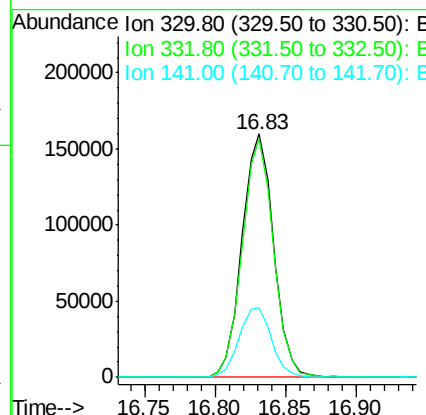
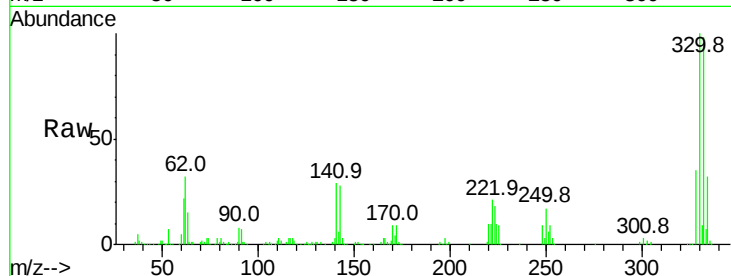




#41
 2,4,6-Tribromophenol
 Concen: 150.002 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: BG032336.D
 Acq: 26 Jan 2018 20:00

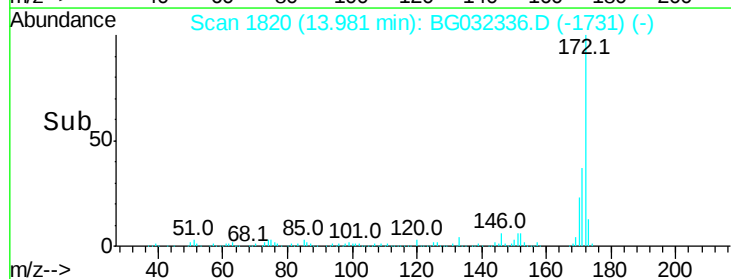
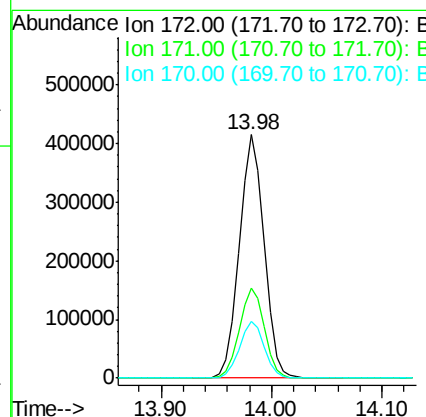
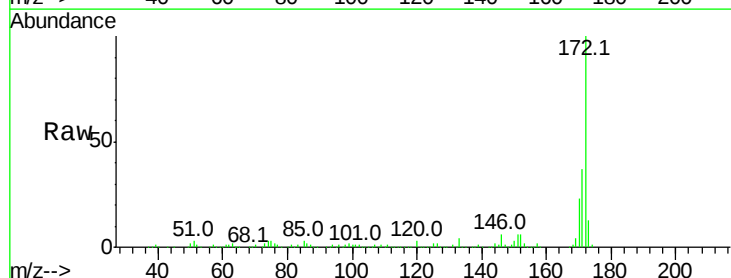
Instrument :
 BNA_G
 ClientSampleId :

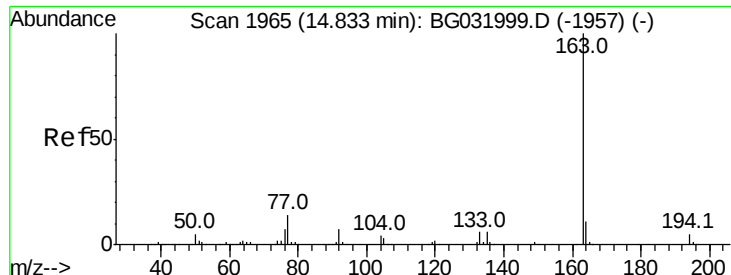
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	29.4	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 80.668 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032336.D
 Acq: 26 Jan 2018 20:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	23.4	19.5	29.3





#49

Dimethylphthalate

Concen: 8.522 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Instrument :

BNA_G

ClientSampleId :

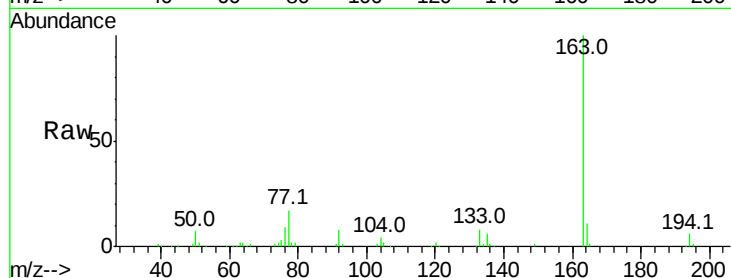
Tot Ion:163 Resp: 74986

Ion Ratio Lower Upper

163 100

194 6.5 3.4 5.2#

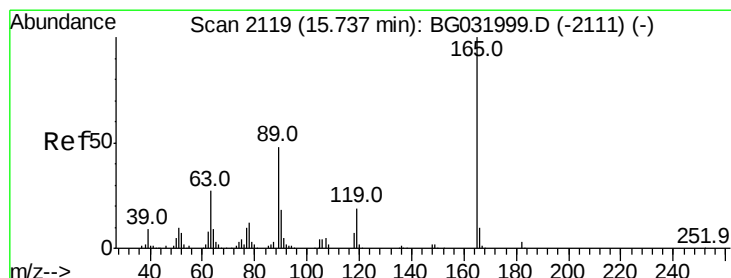
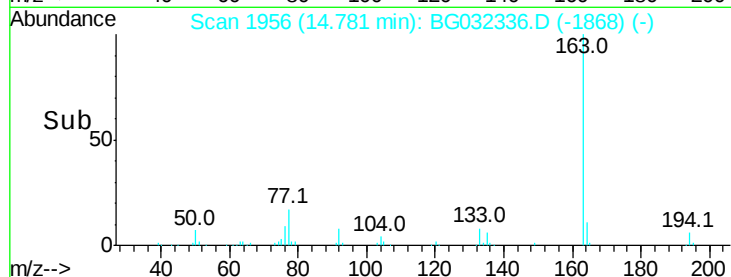
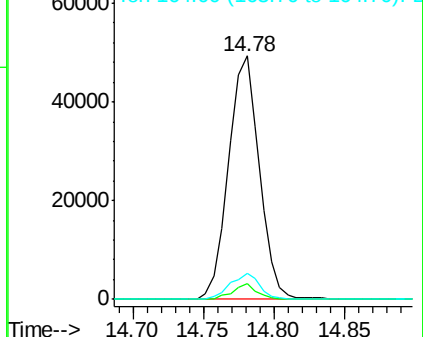
164 10.7 8.2 12.4



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: 5.218 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.35 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Tgt Ion:165 Resp: 12831

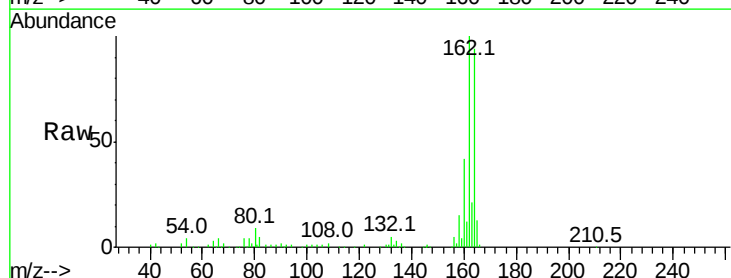
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

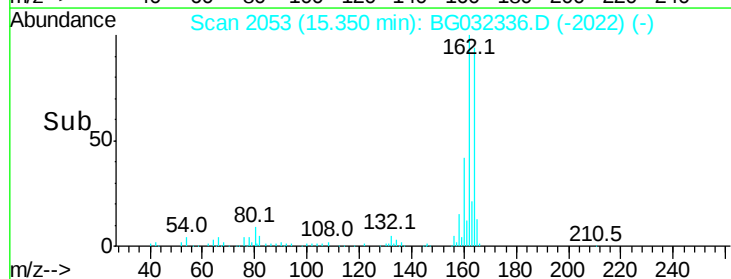
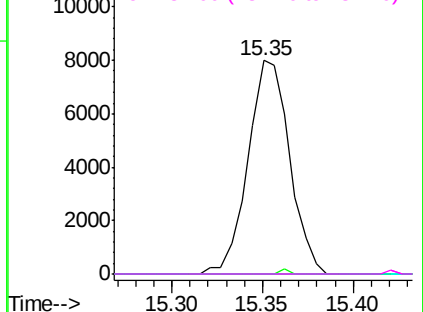


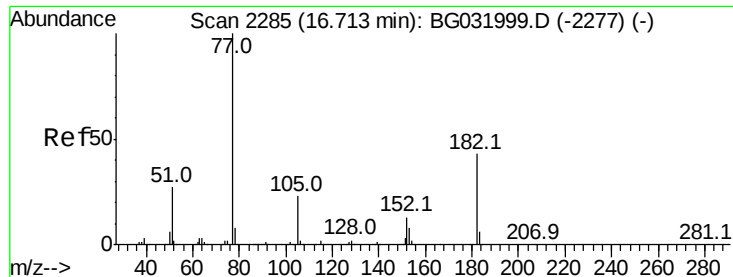
Abundance Ion 165.00 (164.70 to 165.70): E

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: 5.955 ng

RT: 16.68 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Instrument :

BNA_G

ClientSampled :

Tot Ion: 77 Resp: 31797

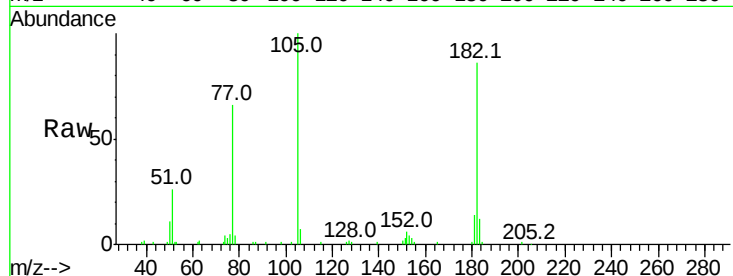
Ion Ratio Lower Upper

77 100

182 129.3 7.4 47.4#

105 150.8 0.3 40.3#

51 39.0 11.6 51.6

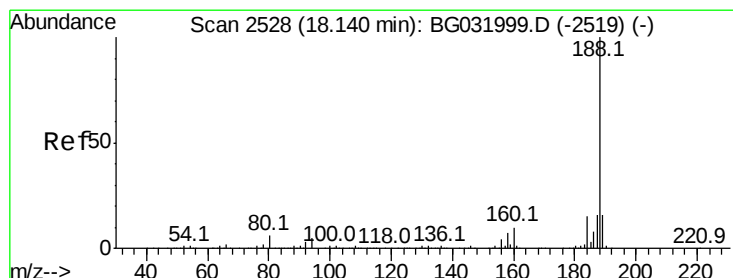
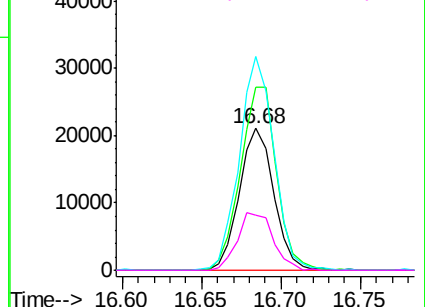
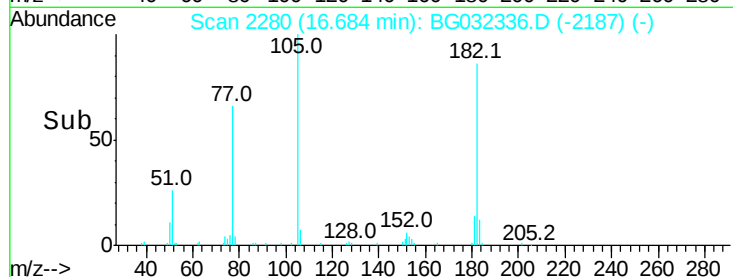


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 18.09 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

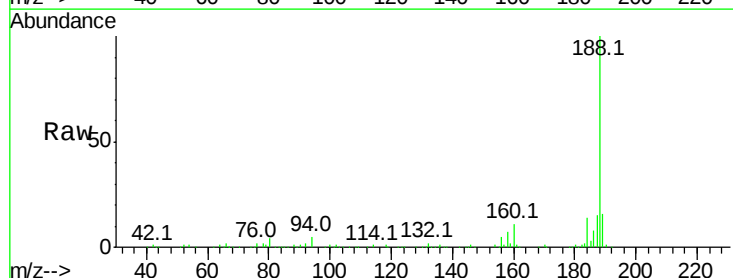
Tgt Ion: 188 Resp: 265426

Ion Ratio Lower Upper

188 100

94 4.5 6.9 10.3#

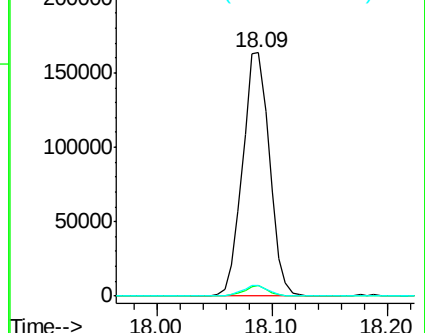
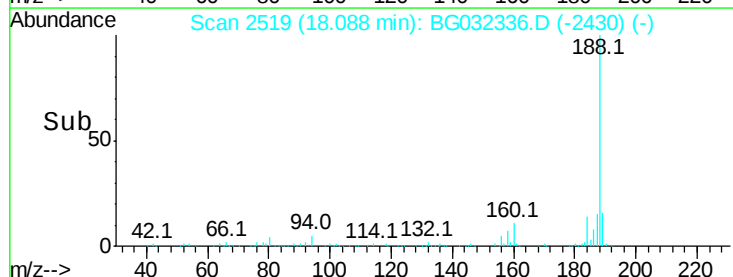
80 4.5 7.7 11.5#

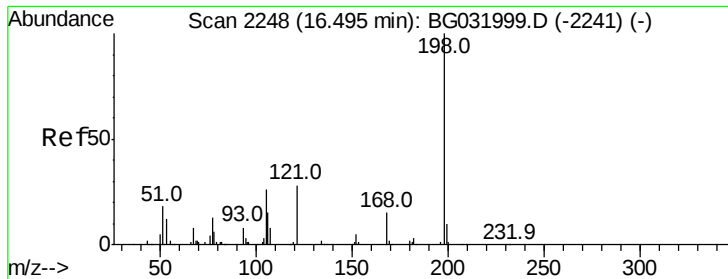


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 5.172 ng

RT: 16.83 min Scan# 2304

Delta R.T. 0.37 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Instrument :

BNA_G

ClientSampled :

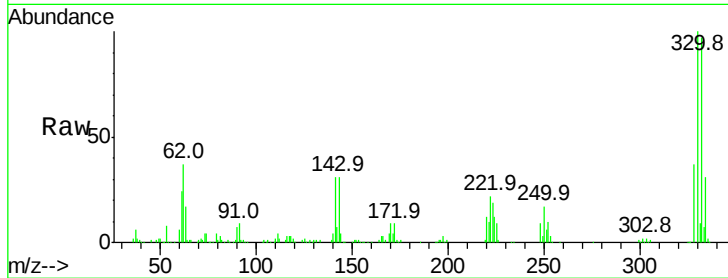
Tot Ion:198 Resp: 544

Ion Ratio Lower Upper

198 100

51 72.9 30.6 70.6#

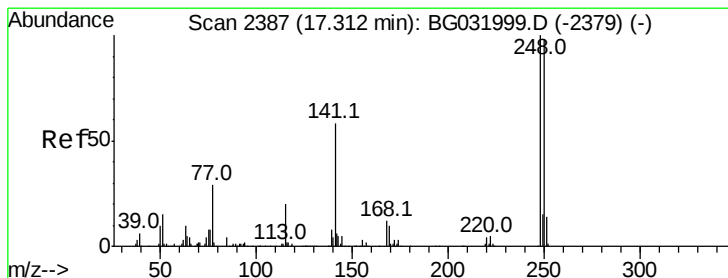
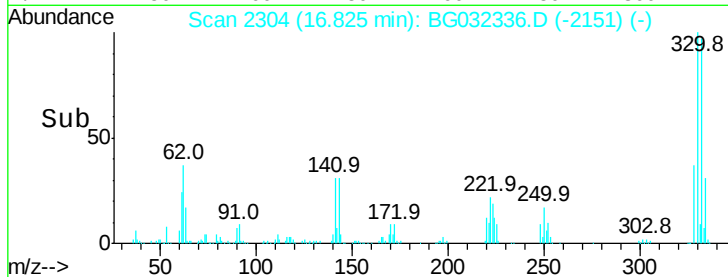
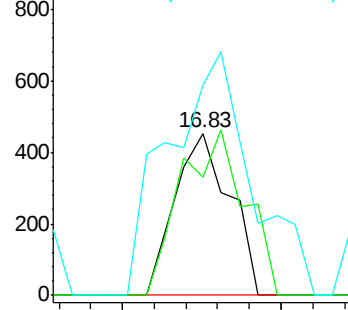
105 130.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG031999.D (-2241) (-)

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.615 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.44 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

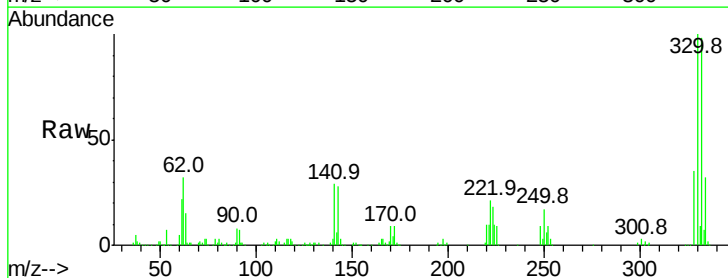
Tgt Ion:248 Resp: 21206

Ion Ratio Lower Upper

248 100

250 193.2 77.1 115.7#

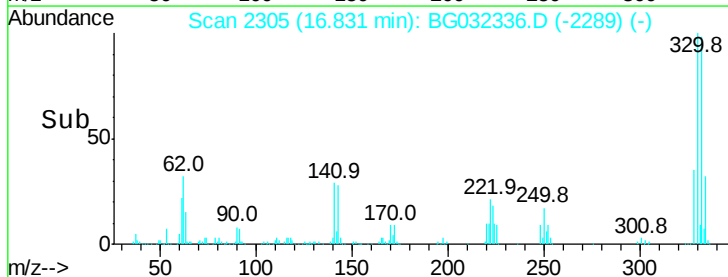
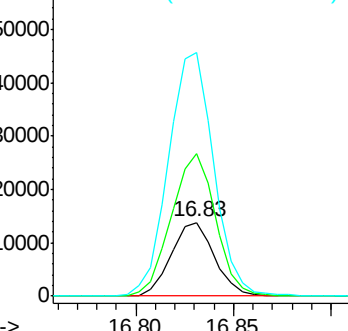
141 330.2 50.8 76.2#

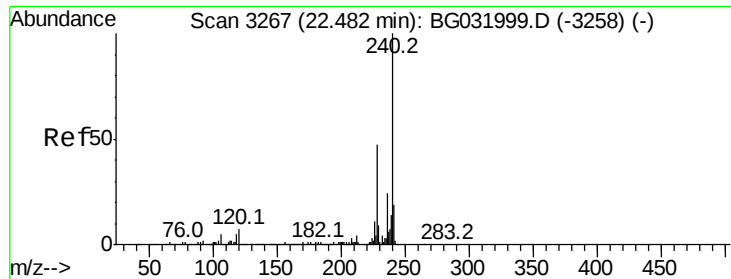


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.41 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Instrument :

BNA_G

ClientSampleId :

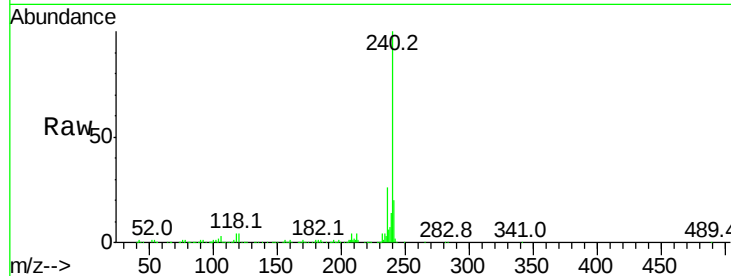
Tot Ion:240 Resp: 349164

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

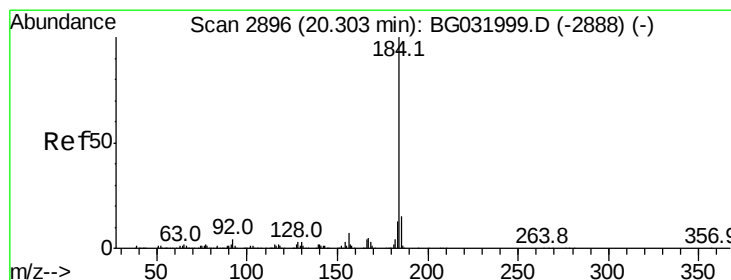
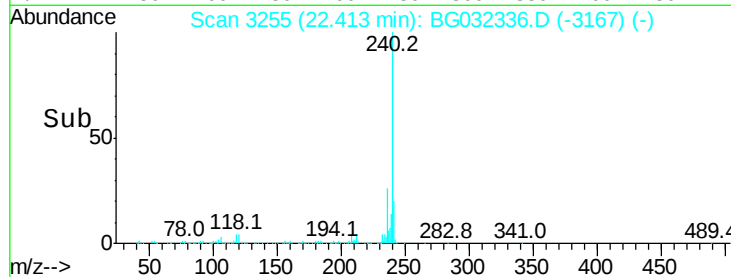
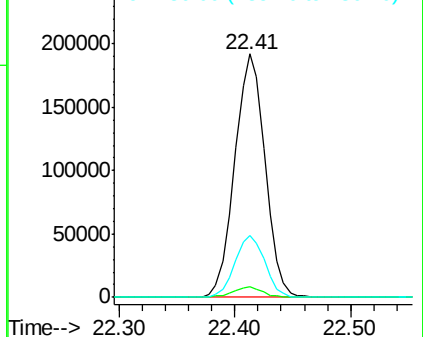
236 25.5 20.9 31.3



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: 2.061 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

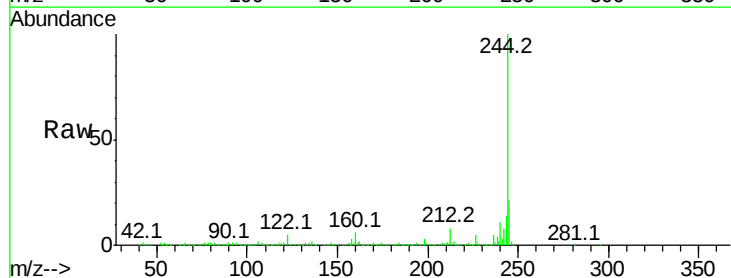
Tgt Ion:184 Resp: 17998

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

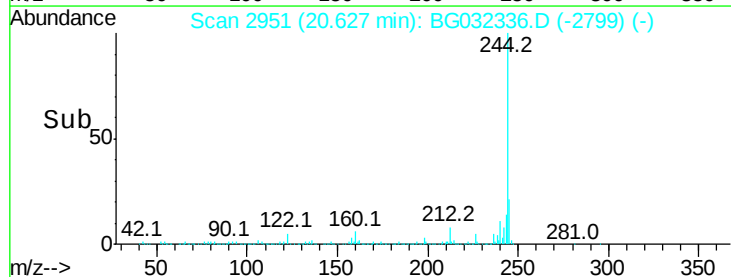
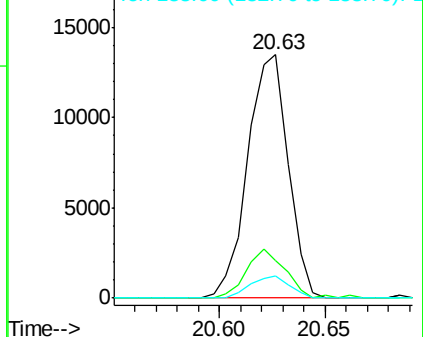
183 9.0 10.6 16.0#

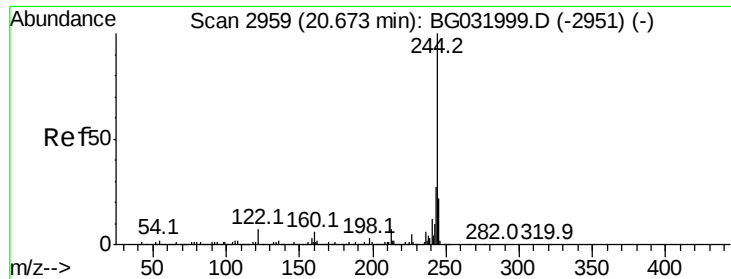


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 81.833 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

Instrument :

BNA_G

ClientSampleId :

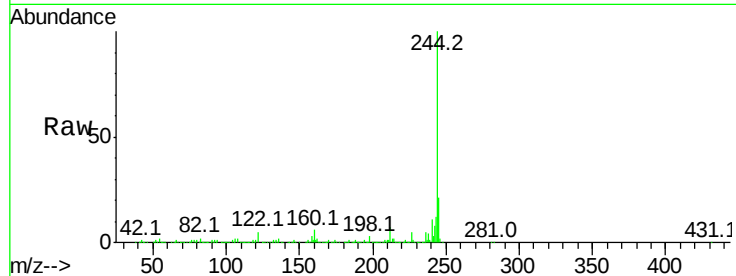
Tot Ion:244 Resp: 1294051

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

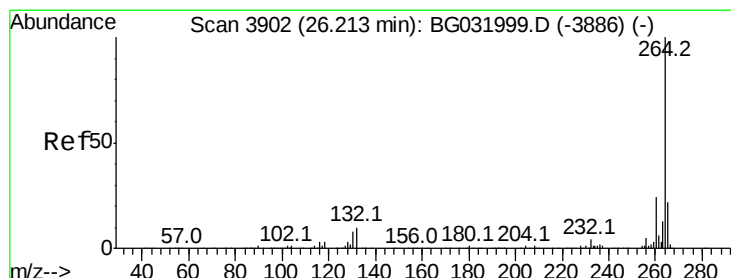
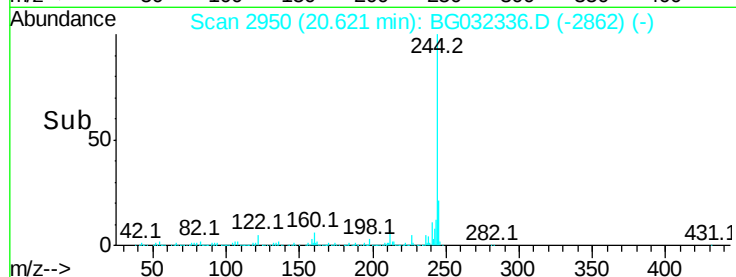
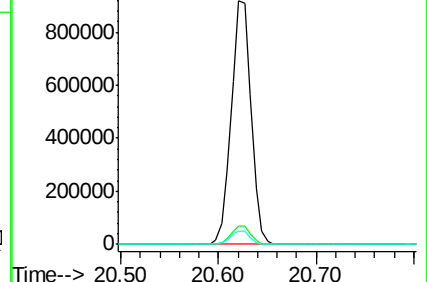
122 5.4 7.0 10.4#



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: 26.09 min Scan# 3881

Delta R.T. -0.02 min

Lab File: BG032336.D

Acq: 26 Jan 2018 20:00

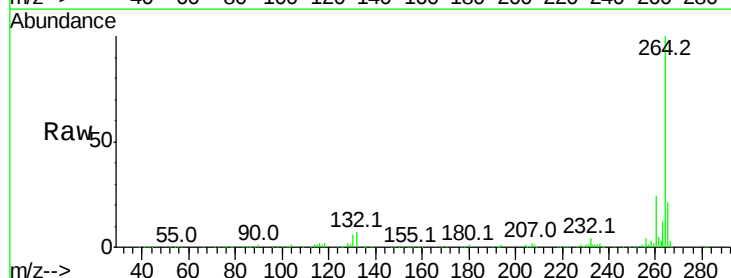
Tgt Ion:264 Resp: 366552

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 21.4 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

