

Data Path : U:\HPCHEM1\BNA G\DATA\BG012618\
 Data File : BG032340.D
 Acq On : 26 Jan 2018 22:30
 Operator : SJ/JU
 Sample : J1288-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 27 00:18:01 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	33264	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	131376	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	91026	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	252817	20.00	ng	0.00
75) Chrysene-d12	22.42	240	326628	20.00	ng	0.00
86) Perylene-d12	26.08	264	346904	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	250714	137.85	ng	0.00
7) Phenol-d6	7.83	99	308268	134.58	ng	0.00
23) Nitrobenzene-d5	9.92	82	189593	97.63	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	235164	156.12	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	612564	83.44	ng	0.00
78) Terphenyl-d14	20.62	244	1197327	80.94	ng	0.00

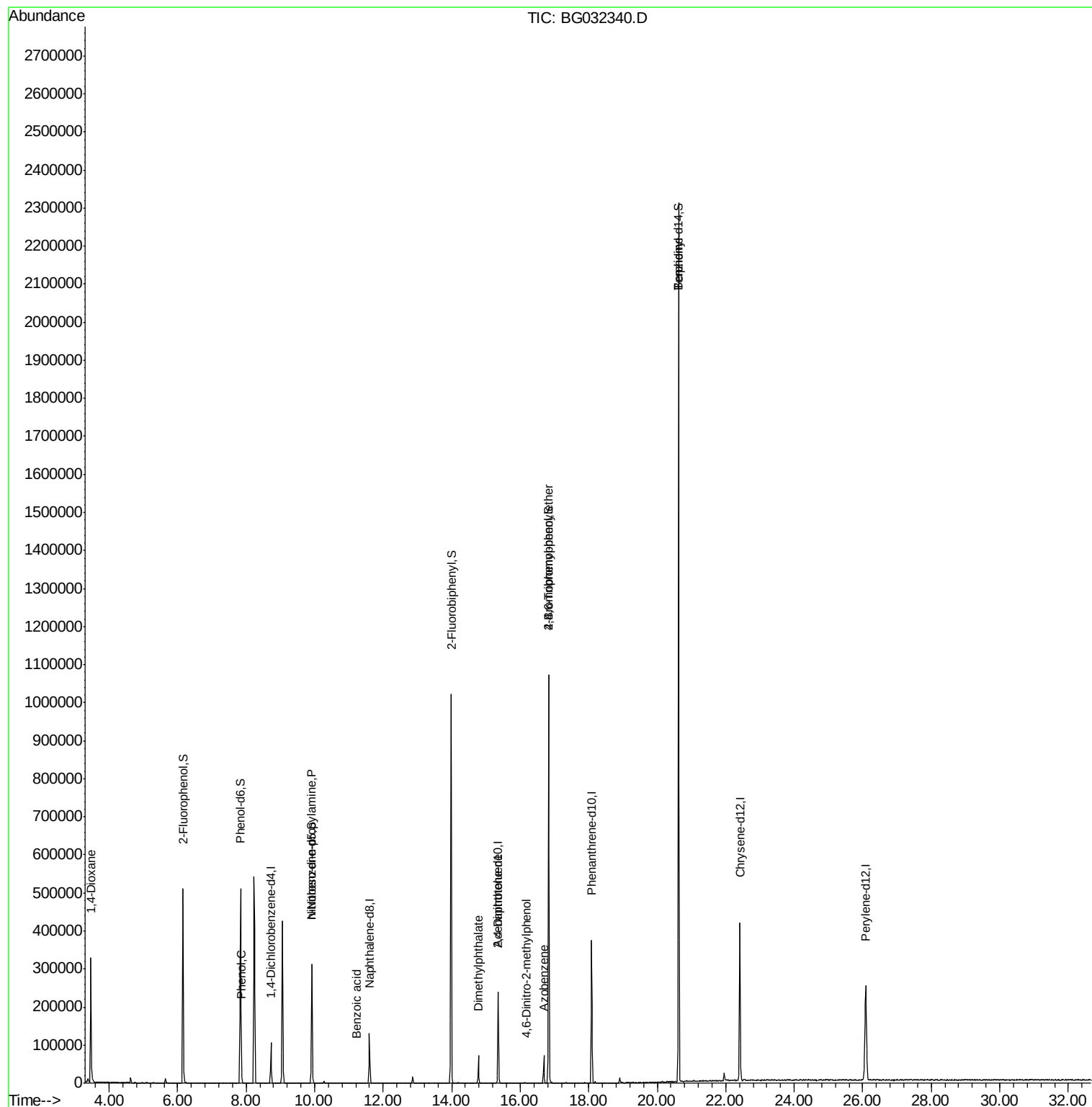
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	3489	4.993	ng	# 1
10) Phenol	7.86	94	11820	5.238	ng	# 85
19) n-Nitroso-di-n-propylamine	9.92	70	27660	19.462	ng	# 75
32) Benzoic acid	11.23	122	67	5.297	ng	# 1
49) Dimethylphthalate	14.78	163	53382	6.702	ng	# 99
56) 2,4-Dinitrotoluene	15.36	165	12029	5.404	ng	# 19
62) Azobenzene	16.69	77	19926	4.123	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.17	198	87	4.933	ng	# 29
66) 4-Bromophenyl-phenylether	16.83	248	20227	5.623	ng	# 1
76) Benzidine	20.62	184	16819	2.059	ng	# 94

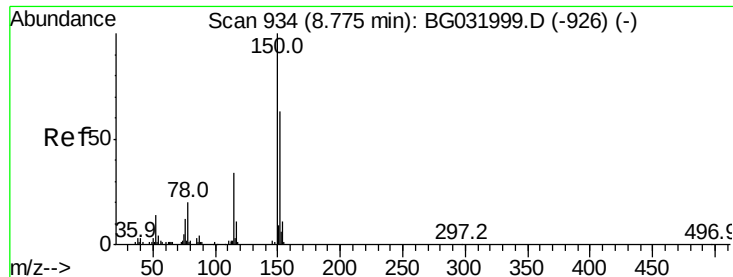
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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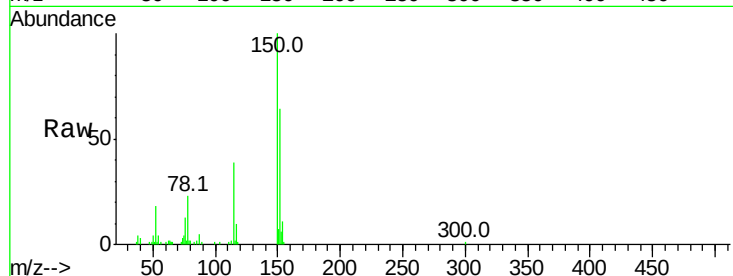


#1

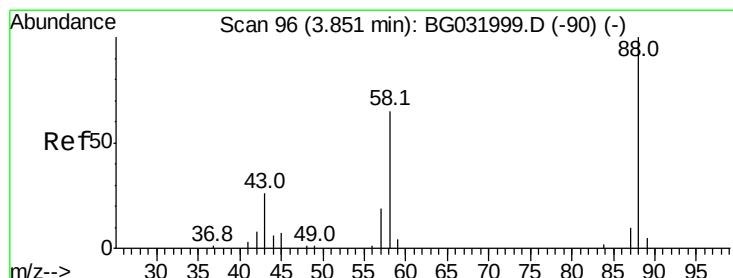
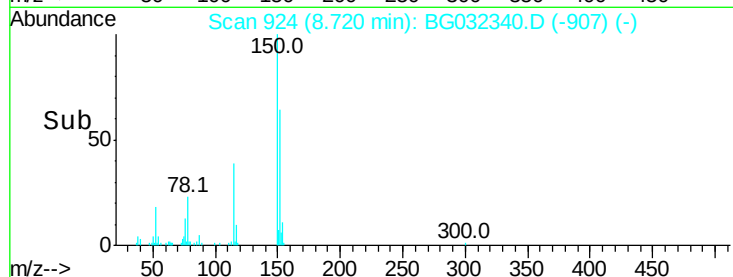
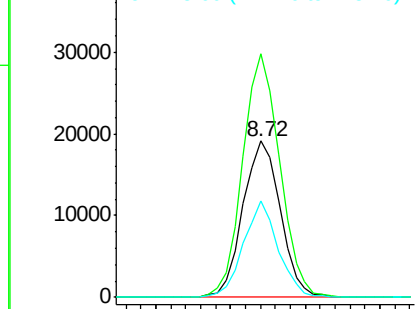
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG032340.D
Acq: 26 Jan 2018 22:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33264
Ion Ratio Lower Upper
152 100
150 156.0 126.6 189.8
115 61.5 53.0 79.4



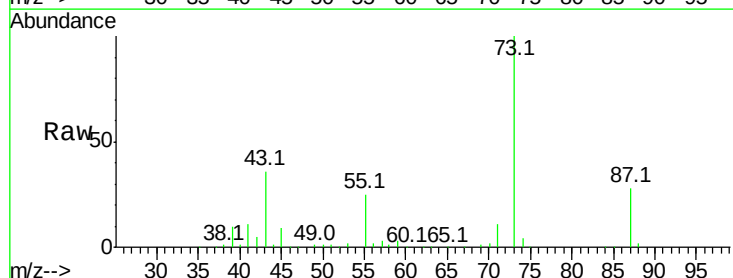
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



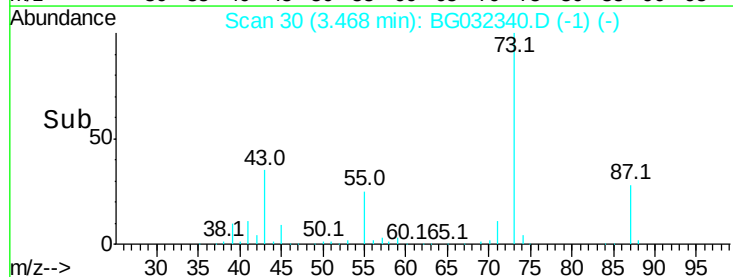
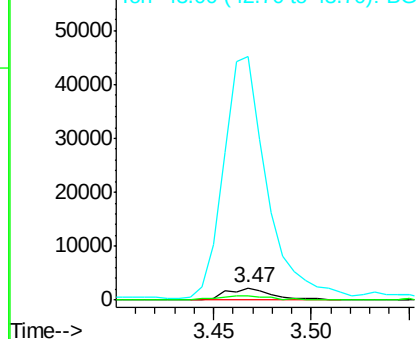
#2

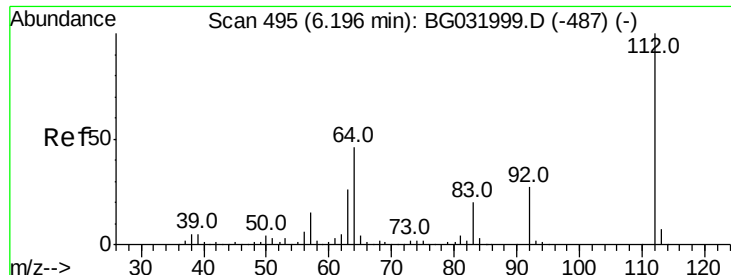
1,4-Dioxane
Concen: 4.993 ng
RT: 3.47 min Scan# 30
Delta R.T. -0.36 min
Lab File: BG032340.D
Acq: 26 Jan 2018 22:30

Tgt Ion: 88 Resp: 3489
Ion Ratio Lower Upper
88 100
58 38.3 79.6 119.4#
43 1973.3 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: 137.848 ng

RT: 6.15 min Scan# 487

Delta R.T. -0.00 min

Lab File: BG032340.D

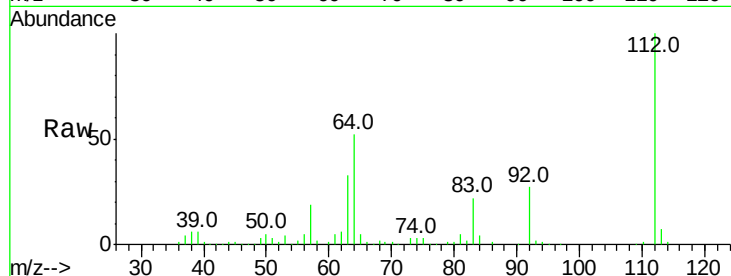
Acq: 26 Jan 2018 22:30

Instrument :

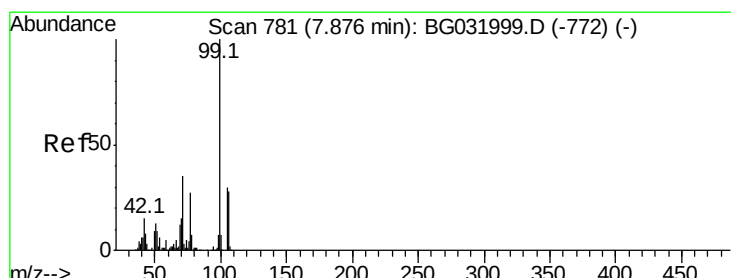
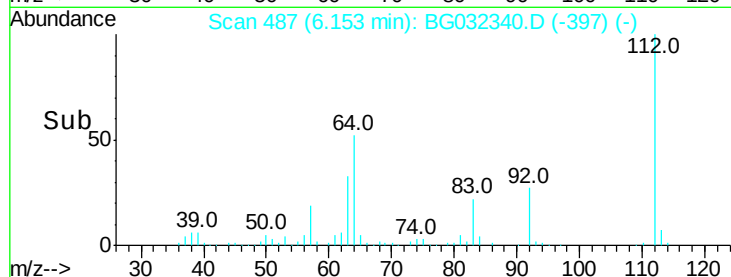
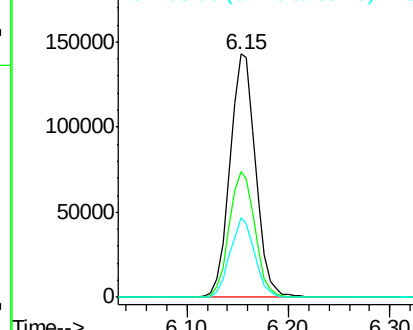
BNA_G

ClientSampled :

Tot Ion:	112	Resp:	250714
Ion Ratio	Lower	Upper	
112	100		
64	51.7	56.3	84.5#
63	32.8	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: 134.578 ng

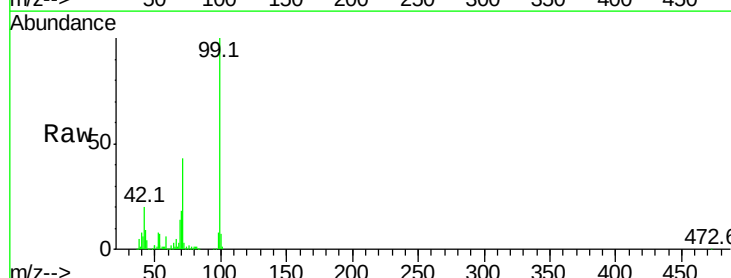
RT: 7.83 min Scan# 773

Delta R.T. -0.00 min

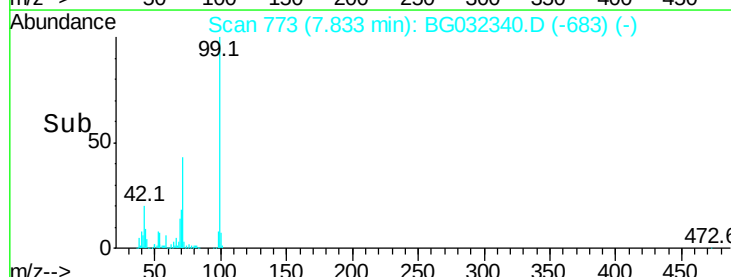
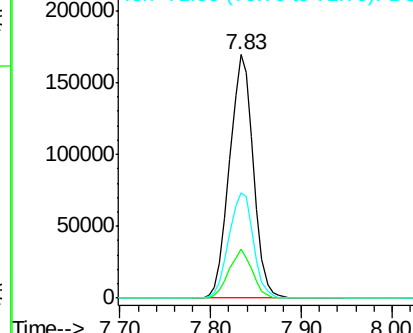
Lab File: BG032340.D

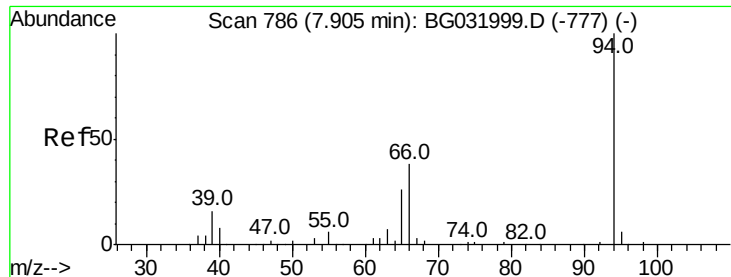
Acq: 26 Jan 2018 22:30

Tgt Ion:	99	Resp:	308268
Ion Ratio	Lower	Upper	
99	100		
42	19.9	14.1	21.1
71	43.1	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

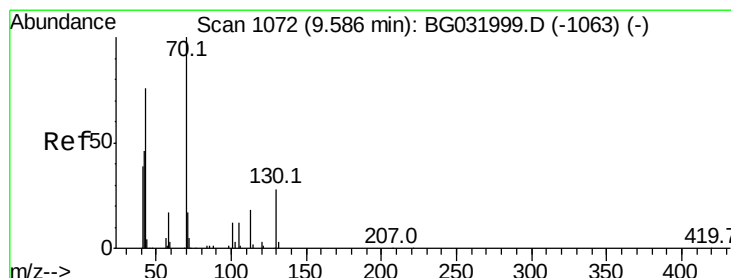
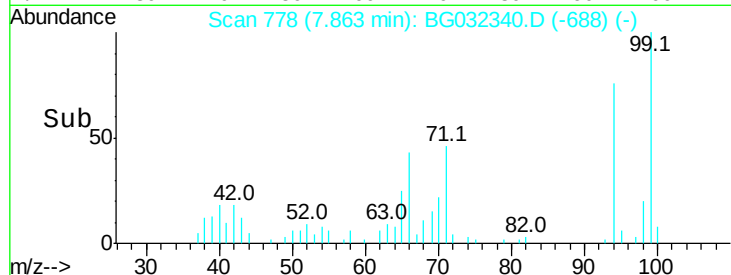
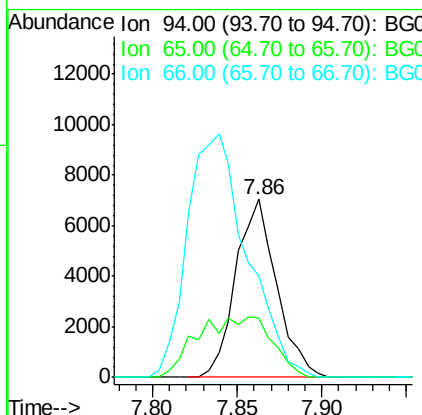
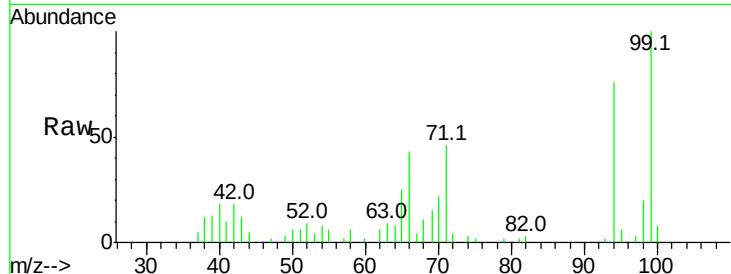




#10
Phenol
Concen: 5.238 ng
RT: 7.86 min Scan# 778
Delta R.T. -0.00 min
Lab File: BG032340.D
Acq: 26 Jan 2018 22:30

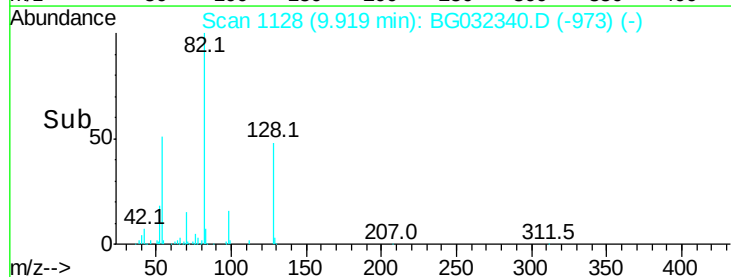
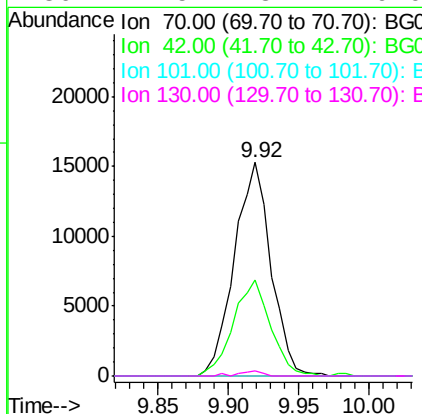
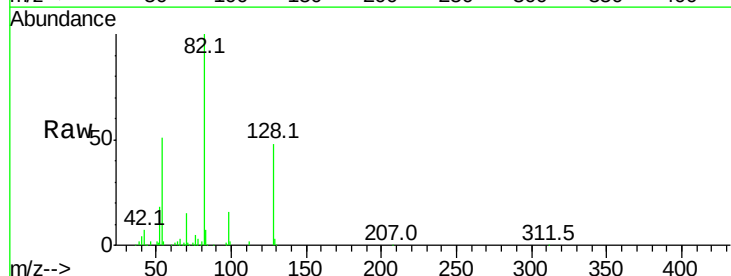
Instrument :
BNA_G
ClientSampled :

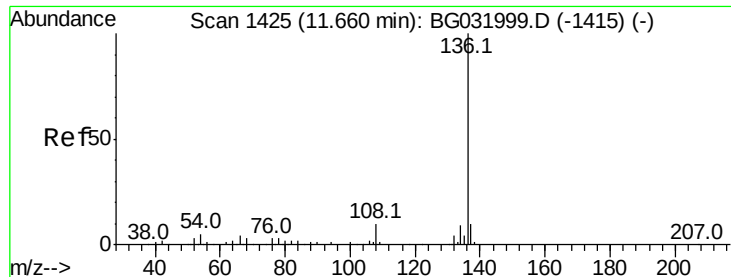
Tot Ion: 94 Resp: 11820
Ion Ratio Lower Upper
94 100
65 33.5 11.9 51.9
66 57.2 22.2 62.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.462 ng
RT: 9.92 min Scan# 1128
Delta R.T. 0.38 min
Lab File: BG032340.D
Acq: 26 Jan 2018 22:30

Tgt Ion: 70 Resp: 27660
Ion Ratio Lower Upper
70 100
42 44.8 49.1 73.7#
101 0.0 8.5 12.7#
130 2.5 13.4 20.0#

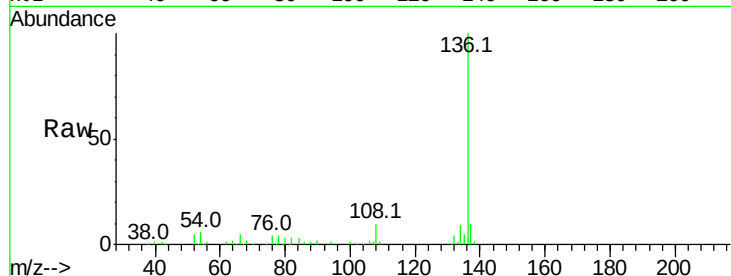




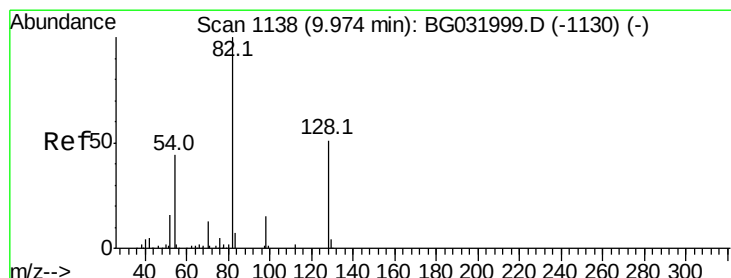
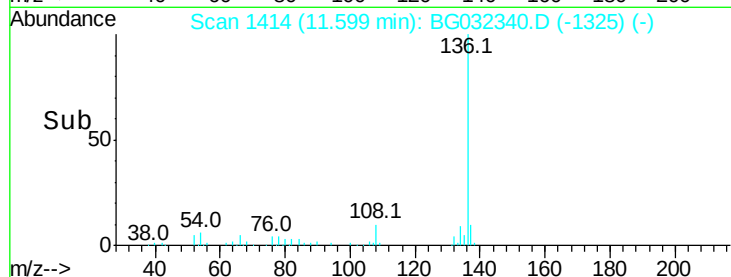
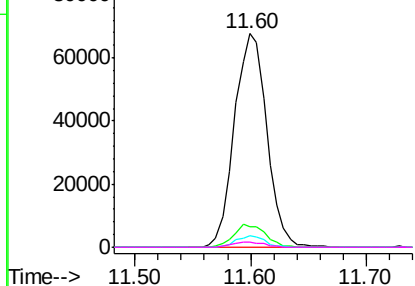
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG032340.D
Acq: 26 Jan 2018 22:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	131376
Ion Ratio	Lower	Upper
136	100	
137	9.7	9.2 13.8
54	5.5	10.3 15.5#
68	2.5	4.5 6.7#

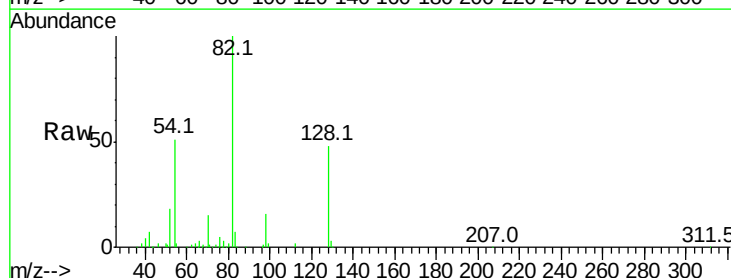


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

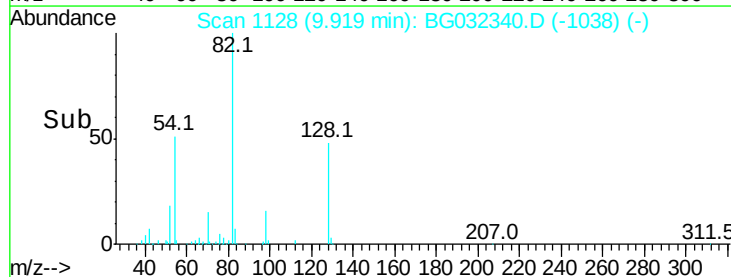
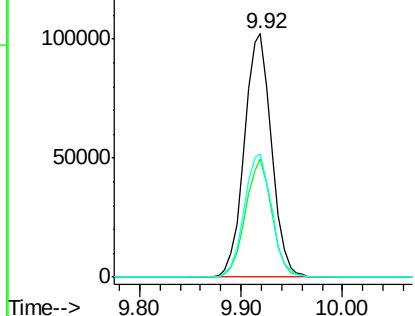


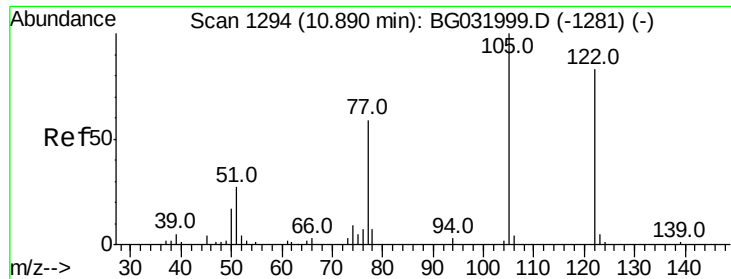
#23
Nitrobenzene-d5
Concen: 97.634 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032340.D
Acq: 26 Jan 2018 22:30

Tgt Ion: 82	Resp:	189593
Ion Ratio	Lower	Upper
82	100	
128	48.5	29.7 44.5#
54	50.7	43.1 64.7



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





#32

Benzoic acid

Concen: 5.297 ng

RT: 11.23 min Scan# 1351

Delta R.T. 0.37 min

Lab File: BG032340.D

Acq: 26 Jan 2018 22:30

Instrument :

BNA_G

ClientSampleId :

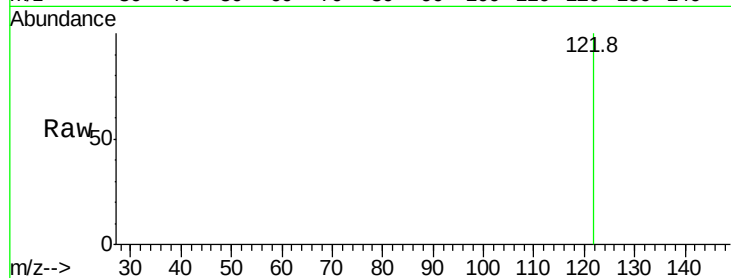
Tot Ion:122 Resp: 67

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): B

11.23

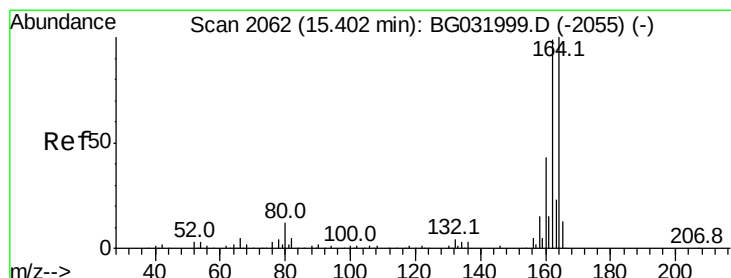
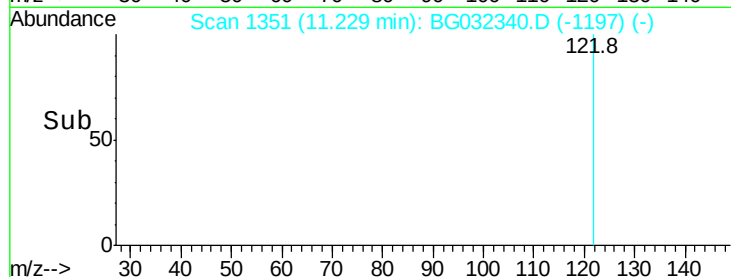
150

100

50

0

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG032340.D

Acq: 26 Jan 2018 22:30

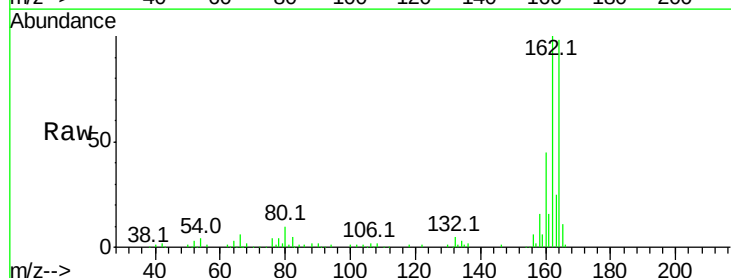
Tgt Ion:164 Resp: 91026

Ion Ratio Lower Upper

164 100

162 101.6 78.8 118.2

160 46.2 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

15.35

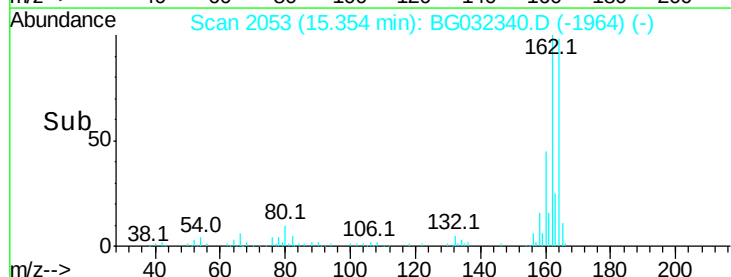
60000

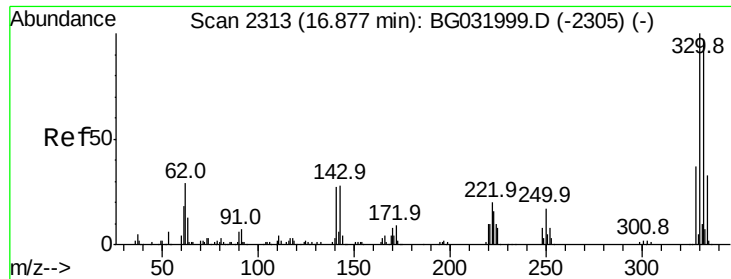
40000

20000

0

Time-->

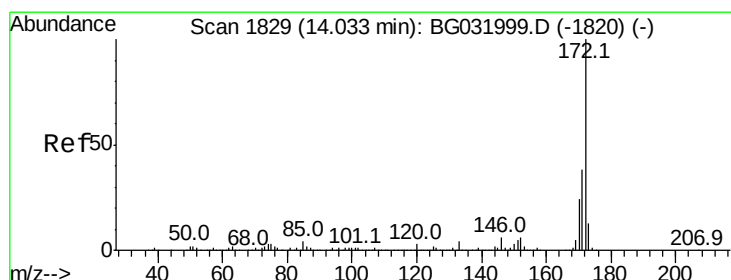
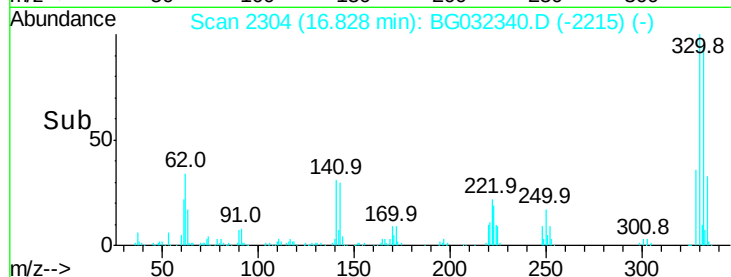
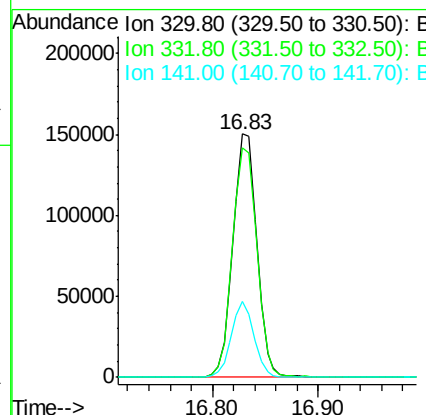
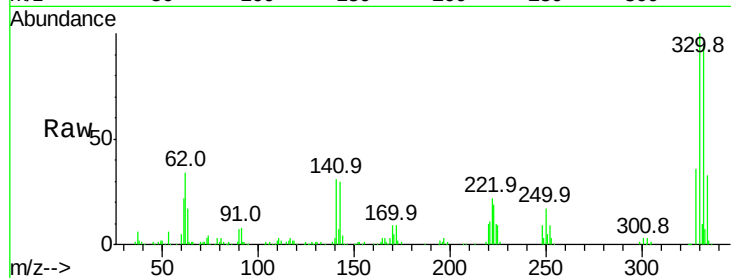




#41
 2,4,6-Tribromophenol
 Concen: 156.124 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BG032340.D
 Acq: 26 Jan 2018 22:30

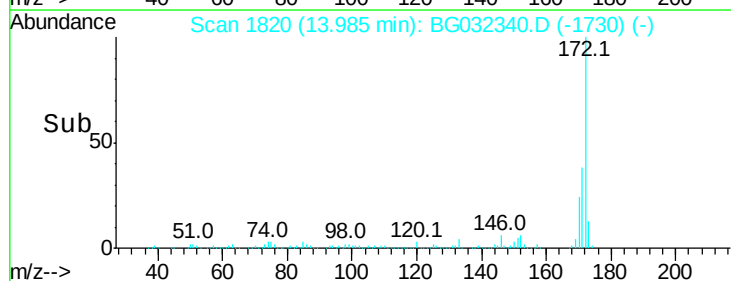
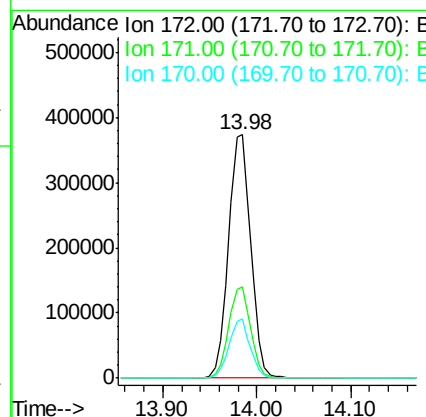
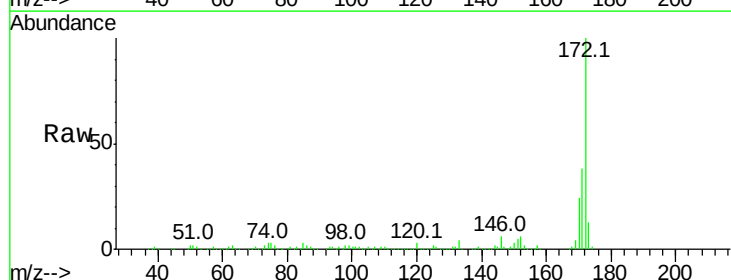
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 BNA_G
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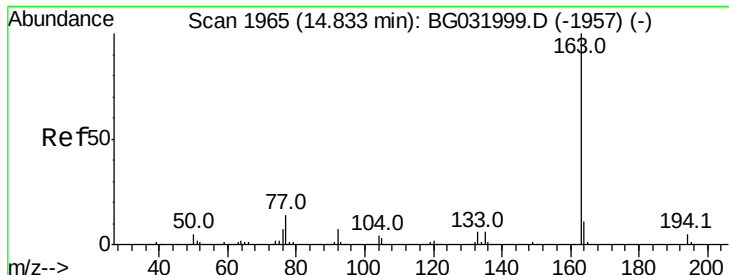
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	29.6	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 83.443 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BG032340.D
 Acq: 26 Jan 2018 22:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	24.5	19.5	29.3





#49

Dimethylphthalate

Concen: 6.702 ng

RT: 14.78 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG032340.D

Acq: 26 Jan 2018 22:30

Instrument :

BNA_G

ClientSampleId :

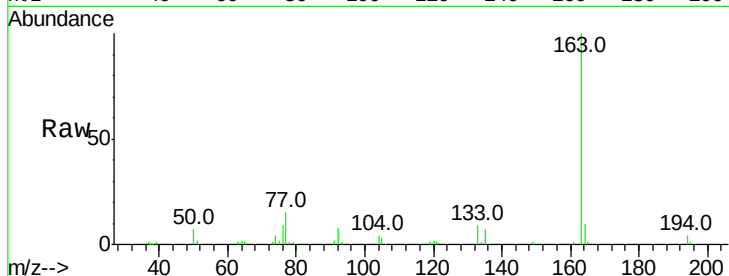
Tot Ion:163 Resp: 53382

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

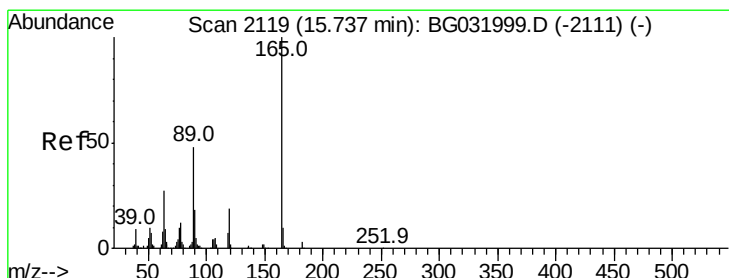
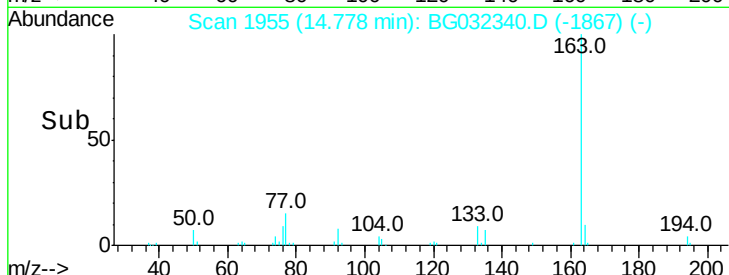
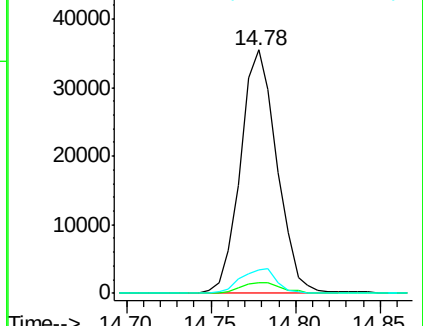
164 9.7 8.2 12.4



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: 5.404 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.34 min

Lab File: BG032340.D

Acq: 26 Jan 2018 22:30

Tgt Ion:165 Resp: 12029

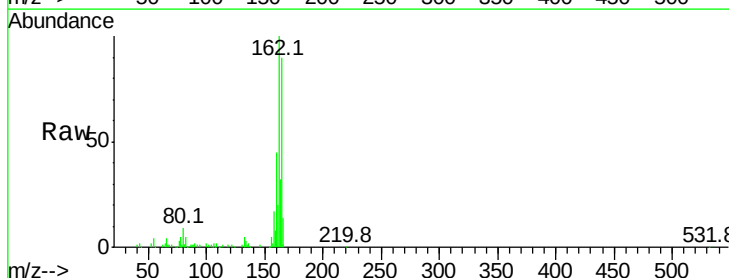
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.8 66.9 100.3#

182 0.0 2.6 3.8#

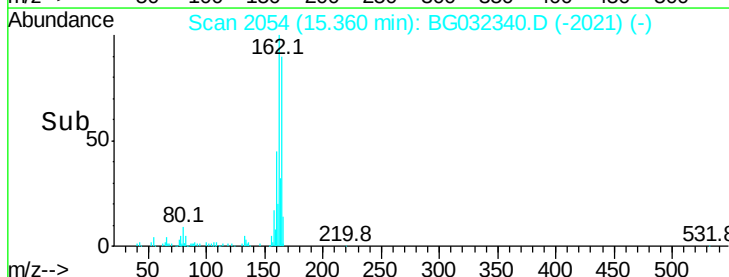
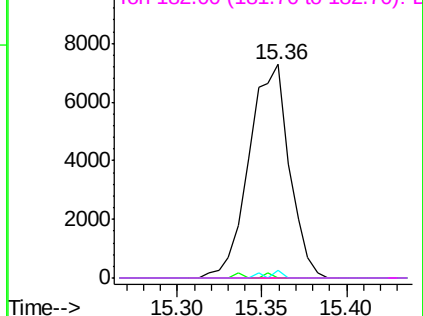


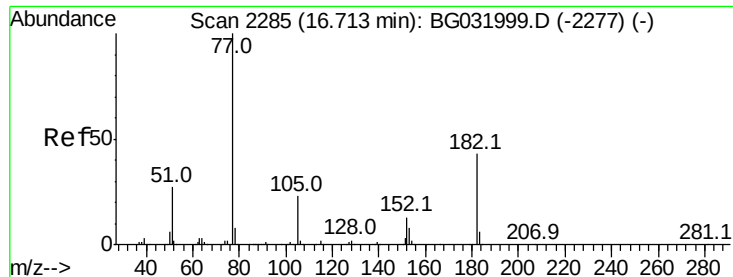
Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.123 ng

RT: 16.69 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BG032340.D

Acq: 26 Jan 2018 22:30

Instrument :

BNA_G

ClientSampled :

Tot Ion: 77 Resp: 19926

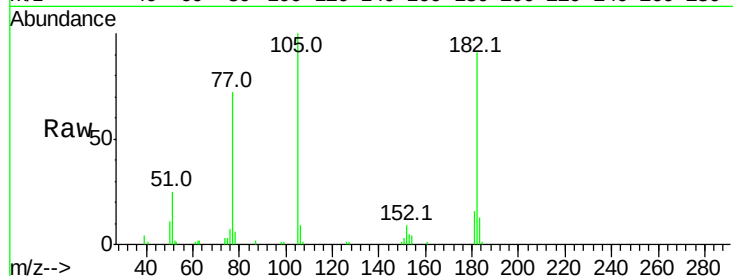
Ion Ratio Lower Upper

77 100

182 126.6 7.4 47.4#

105 138.8 0.3 40.3#

51 35.4 11.6 51.6

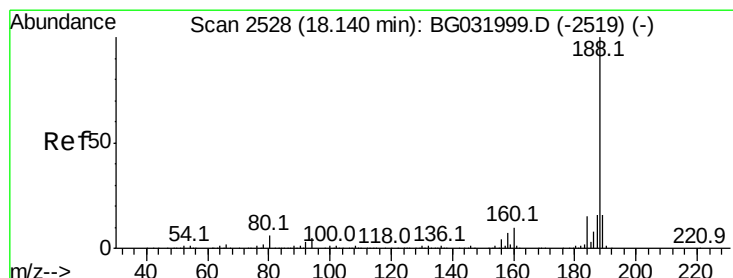
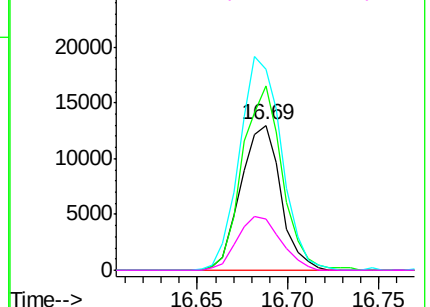
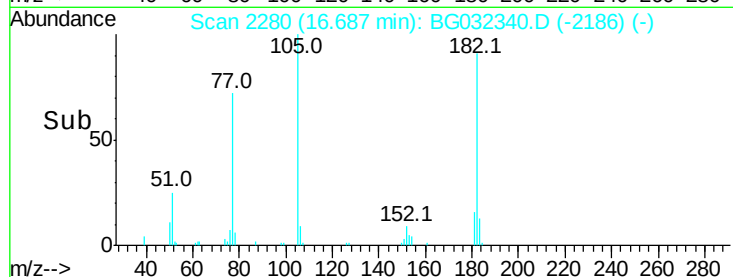


Abundance Ion 77.00 (76.70 to 77.70): BGC

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# 2518

Delta R.T. -0.01 min

Lab File: BG032340.D

Acq: 26 Jan 2018 22:30

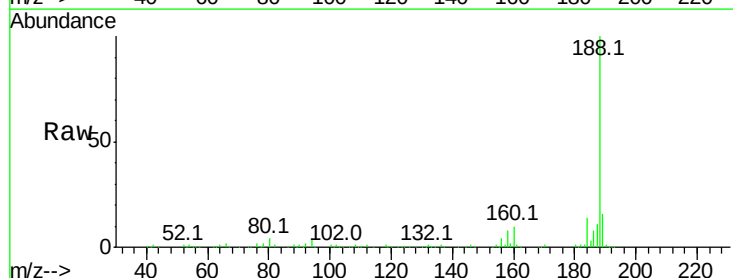
Tgt Ion: 188 Resp: 252817

Ion Ratio Lower Upper

188 100

94 3.8 6.9 10.3#

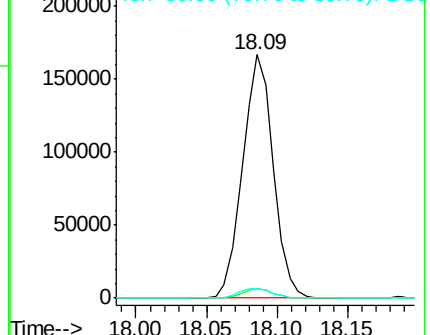
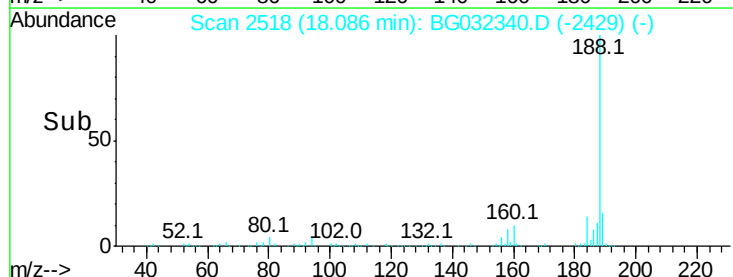
80 3.9 7.7 11.5#

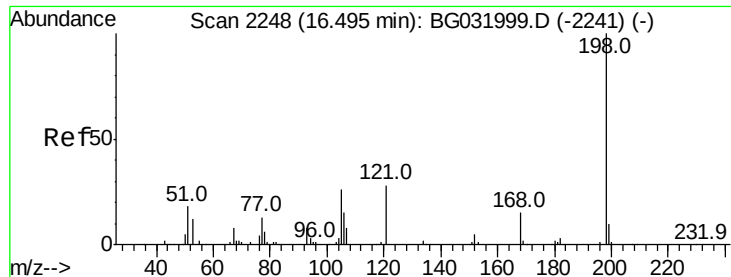


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

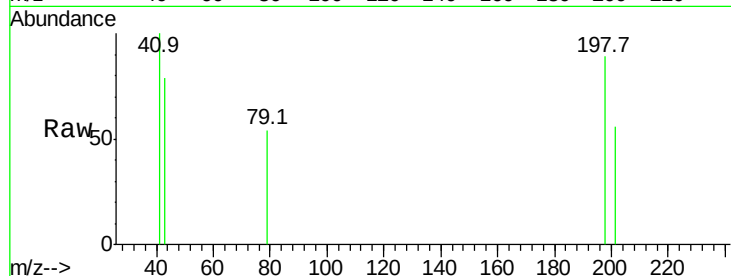




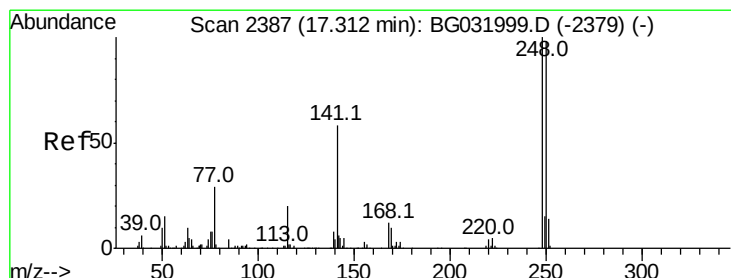
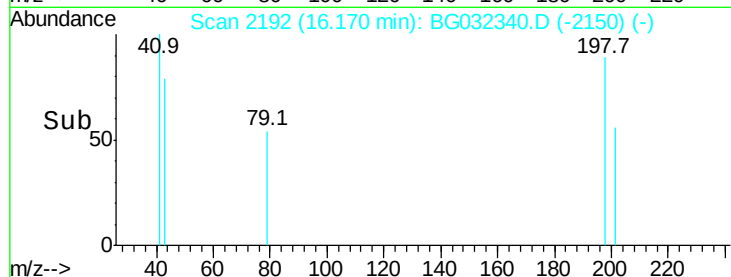
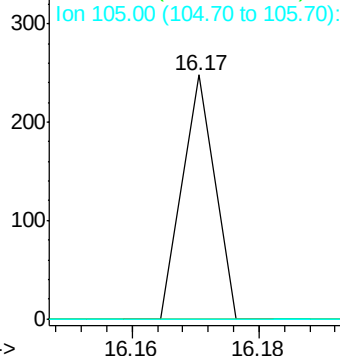
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.933 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.28 min
 Lab File: BG032340.D
 Acq: 26 Jan 2018 22:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 87
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#

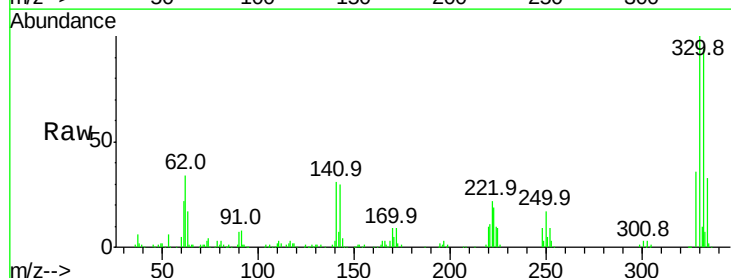


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

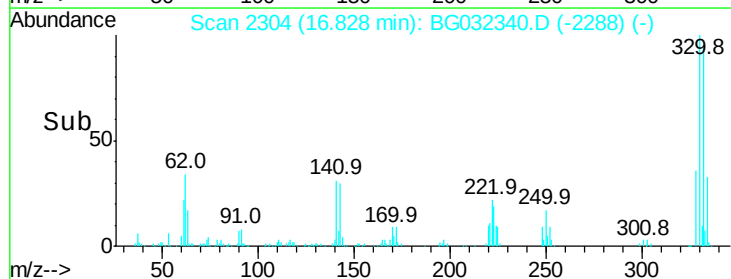
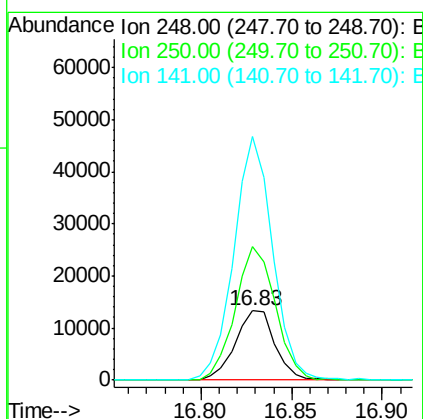


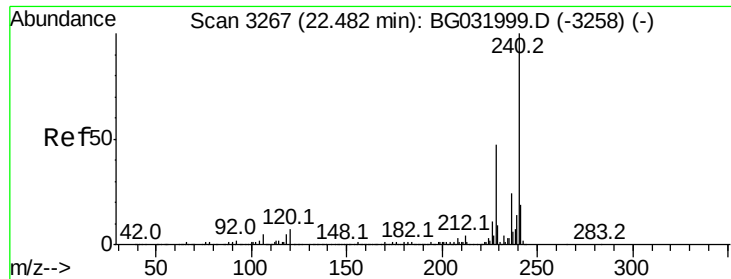
#66
 4-Bromophenyl-phenylether
 Concen: 5.623 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. -0.44 min
 Lab File: BG032340.D
 Acq: 26 Jan 2018 22:30

Tgt Ion:248 Resp: 20227
 Ion Ratio Lower Upper
 248 100
 250 192.7 77.1 115.7#
 141 352.4 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: 22.42 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032340.D

Acq: 26 Jan 2018 22:30

Instrument :

BNA_G

ClientSampleId :

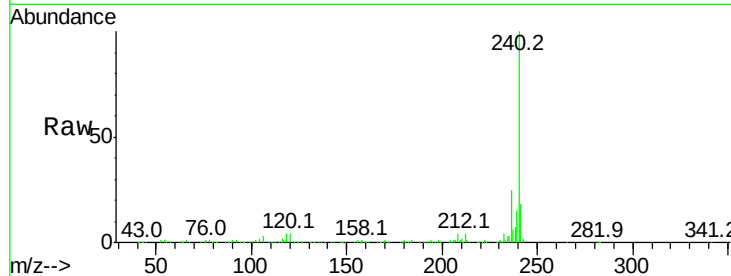
Tot Ion:240 Resp: 326628

Ion Ratio Lower Upper

240 100

120 3.6 6.8 10.2#

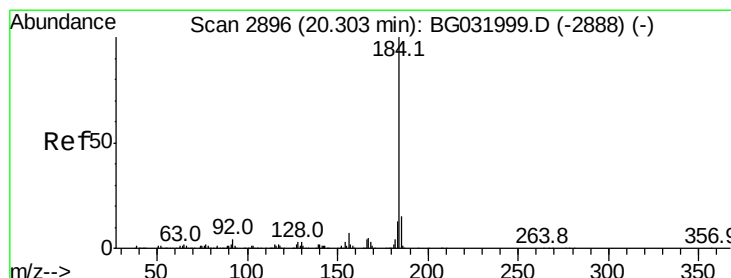
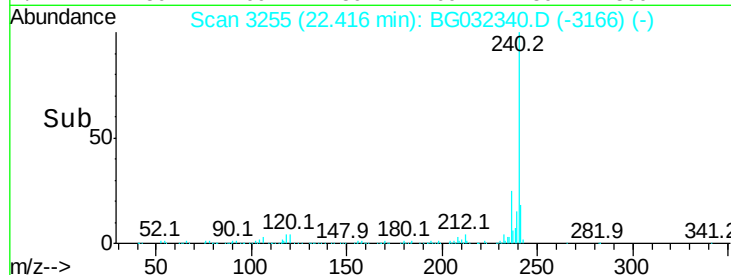
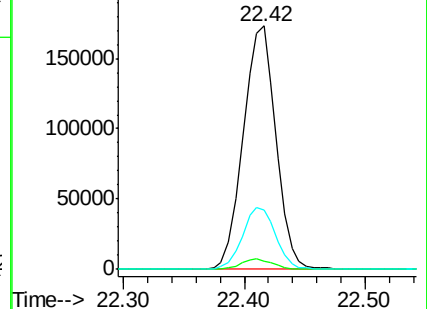
236 24.6 20.9 31.3



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: 2.059 ng

RT: 20.62 min Scan# 2950

Delta R.T. 0.36 min

Lab File: BG032340.D

Acq: 26 Jan 2018 22:30

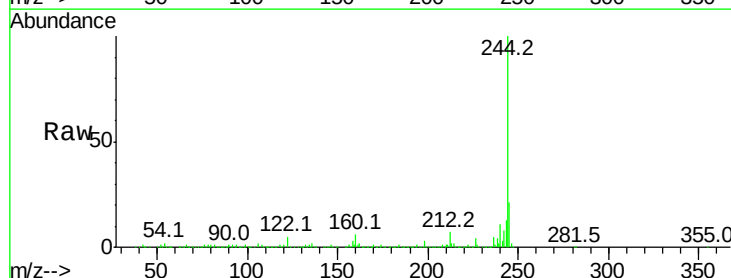
Tgt Ion:184 Resp: 16819

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

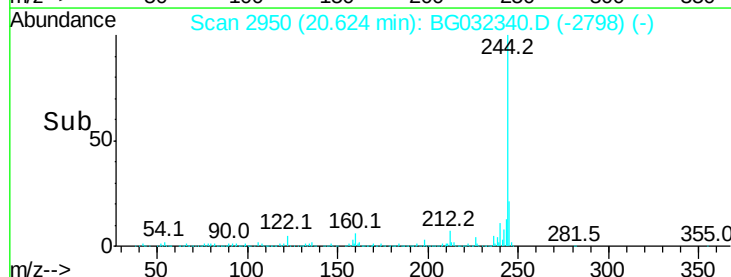
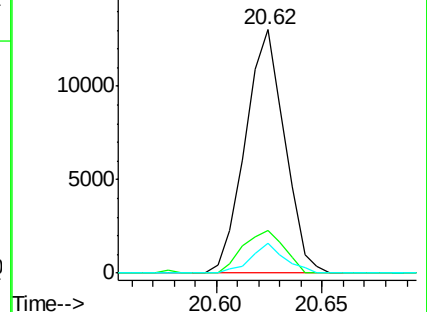
183 12.5 10.6 16.0

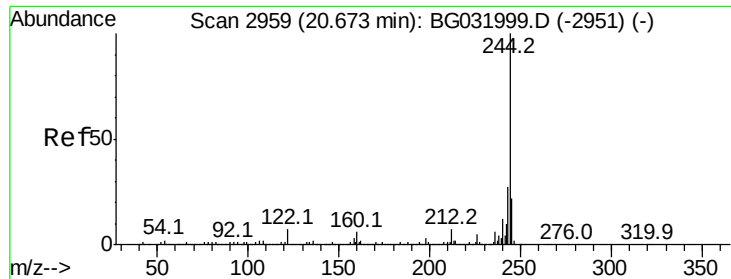


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 80.941 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BG032340.D

Acq: 26 Jan 2018 22:30

Instrument :

BNA_G

ClientSampled :

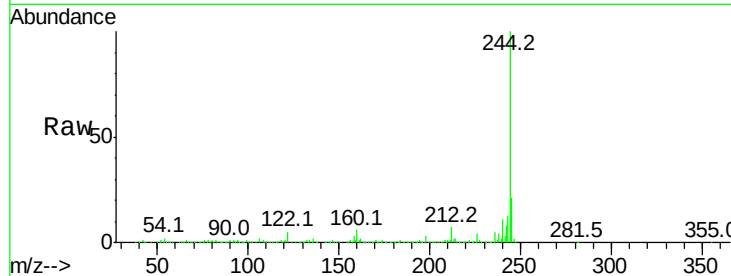
Tot Ion:244 Resp: 1197327

Ion Ratio Lower Upper

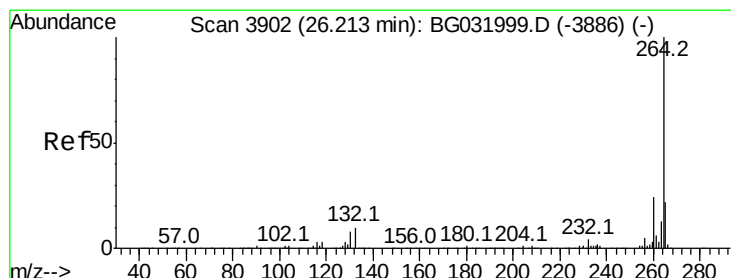
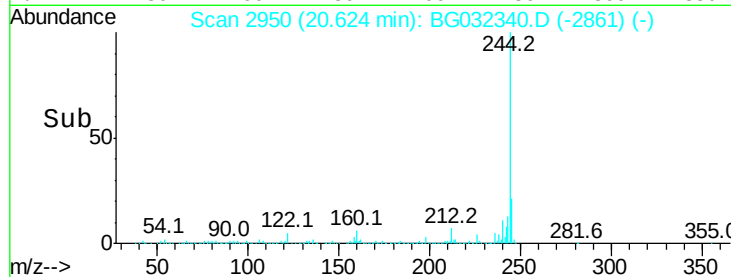
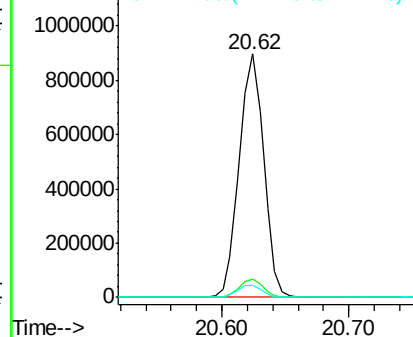
244 100

212 7.4 5.8 8.8

122 5.1 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: 26.08 min Scan# 3879

Delta R.T. -0.03 min

Lab File: BG032340.D

Acq: 26 Jan 2018 22:30

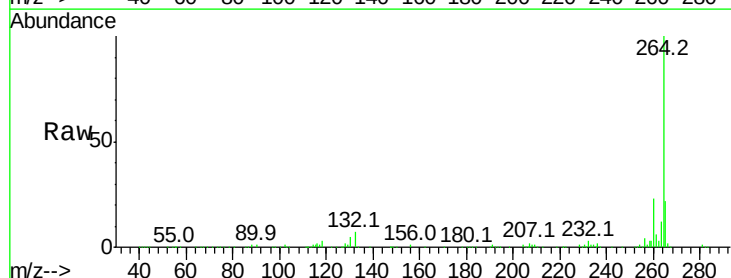
Tgt Ion:264 Resp: 346904

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 21.5 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

