

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
 Data File : BG032512.D
 Acq On : 2 Feb 2018 15:07
 Operator : SJ/JU
 Sample : J1429-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 02 21:50:07 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

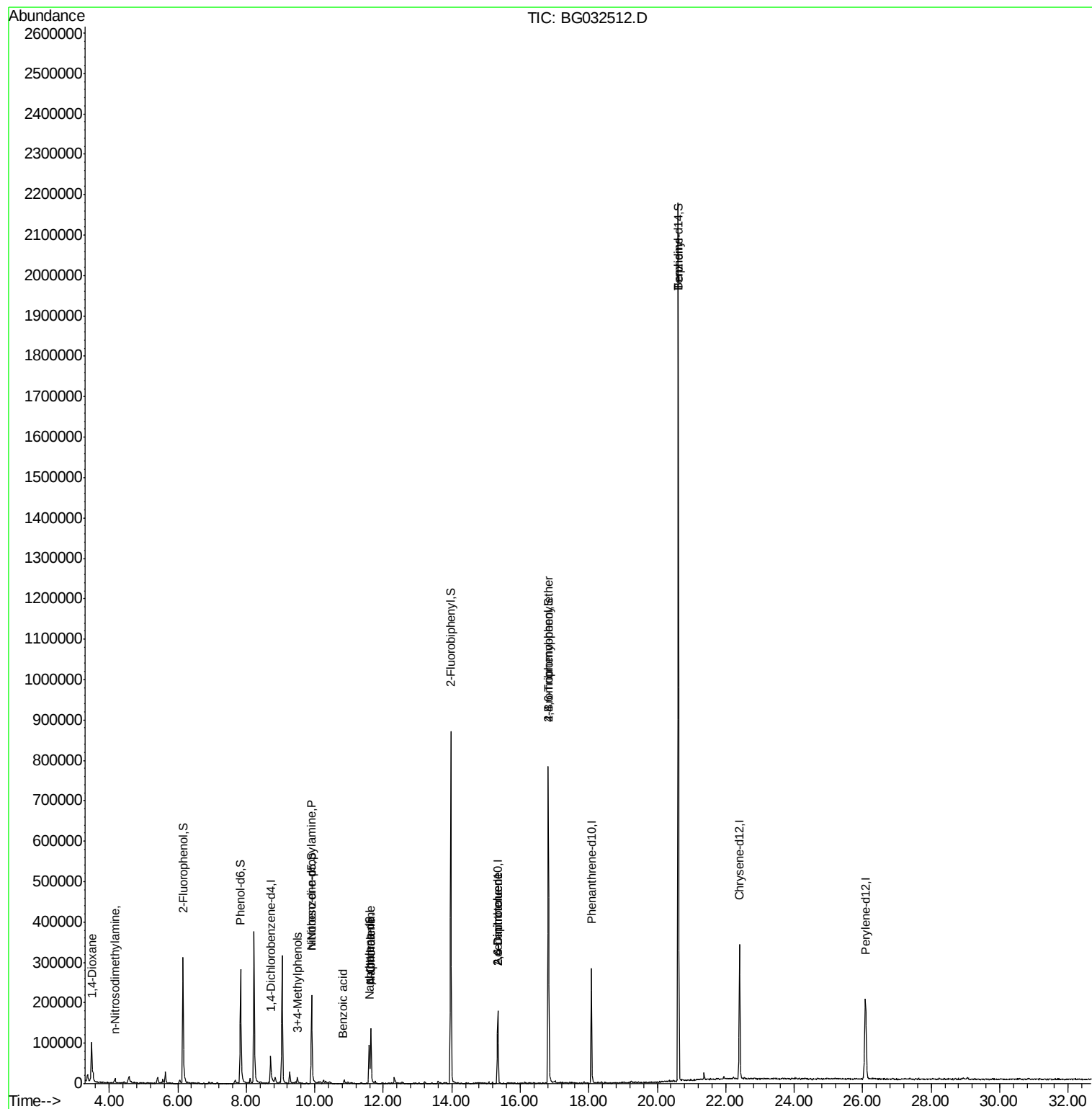
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	24596	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	103061	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	72377	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	199373	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	266254	20.00	ng	-0.02
86) Perylene-d12	26.08	264	282042	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	171789	140.29	ng	0.00
7) Phenol-d6	7.84	99	196960	120.53	ng	0.00
23) Nitrobenzene-d5	9.91	82	146793	88.96	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	188675	136.95	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	532959	87.52	ng	-0.02
78) Terphenyl-d14	20.62	244	1168884	94.04	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.49	88	906	2.199	ng	# 1
4) n-Nitrosodimethylamine	4.17	42	1862	3.215	ng	# 6
19) n-Nitroso-di-n-propylamine	9.90	70	22057	20.358	ng	# 78
20) 3+4-Methylphenols	9.49	107	8723	4.934	ng	# 84
31) Naphthalene	11.64	128	134875	26.795	ng	# 99
32) Benzoic acid	10.81	122	67	7.338	ng	# 1
33) 4-Chloroaniline	11.64	127	18609	8.289	ng	# 34
50) 2,6-Dinitrotoluene	15.34	165	9551	6.819	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	9551	4.789	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	15678	5.308	ng	# 1
76) Benzidine	20.62	184	16950	3.242	ng	# 87

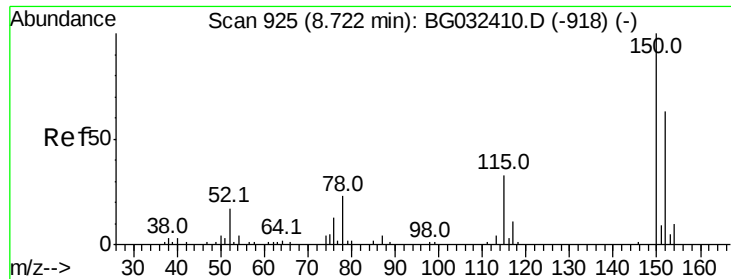
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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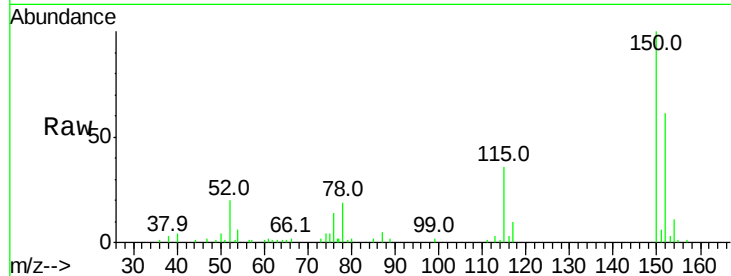


#1

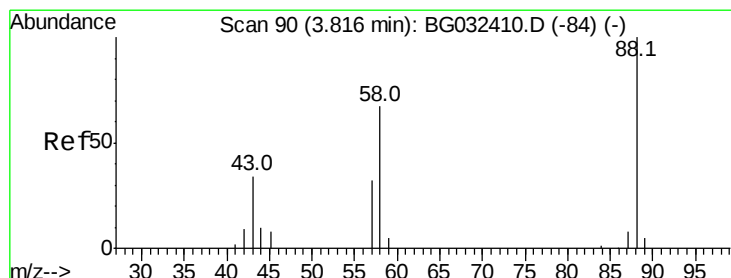
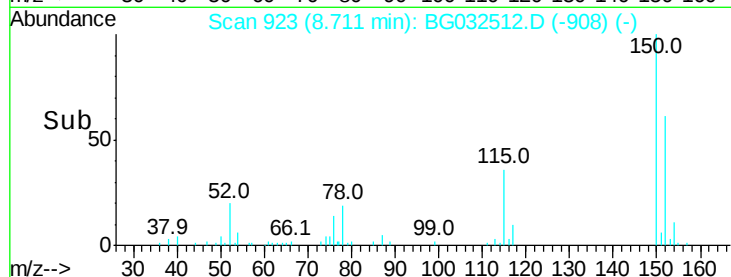
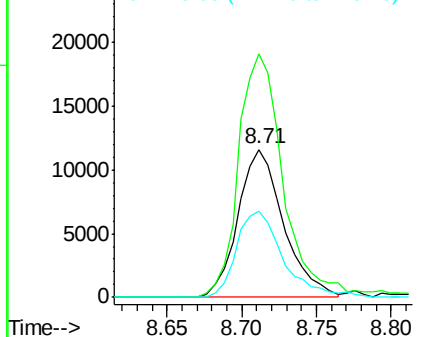
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032512.D
Acq: 2 Feb 2018 15:07

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 24596
Ion Ratio Lower Upper
152 100
150 164.3 126.6 189.8
115 58.3 53.0 79.4



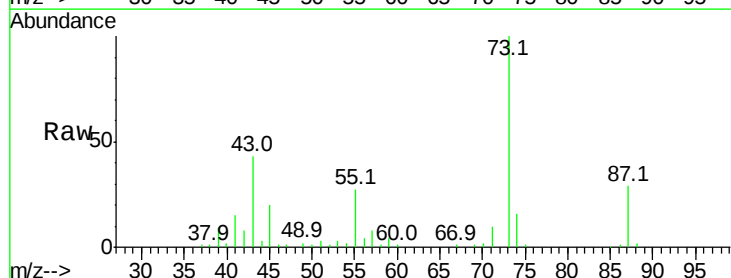
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



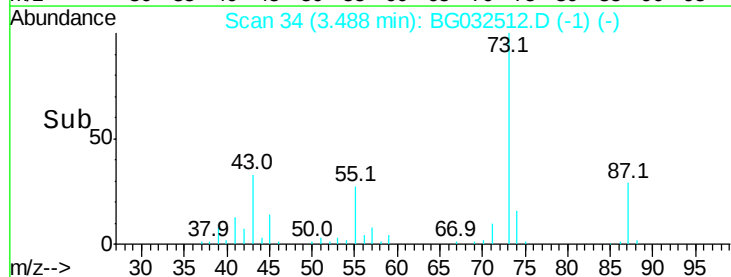
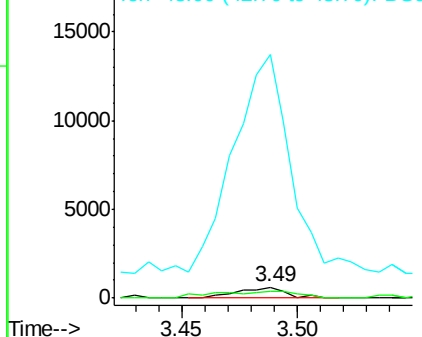
#2

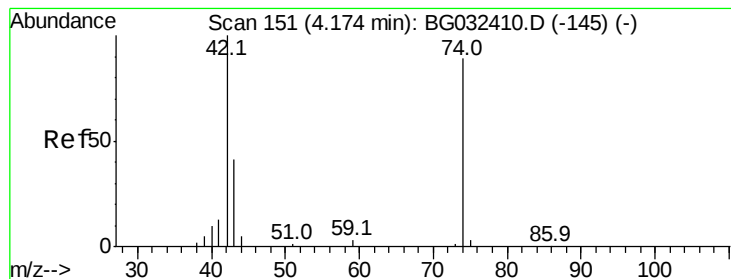
1,4-Dioxane
Concen: 2.199 ng
RT: 3.49 min Scan# 34
Delta R.T. -0.33 min
Lab File: BG032512.D
Acq: 2 Feb 2018 15:07

Tgt Ion: 88 Resp: 906
Ion Ratio Lower Upper
88 100
58 57.4 79.6 119.4#
43 2298.7 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





#4

n-Nitrosodimethylamine

Concen: 3.215 ng

RT: 4.17 min Scan# 150

Delta R.T. -0.00 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

Instrument :

BNA_G

ClientSampleId :

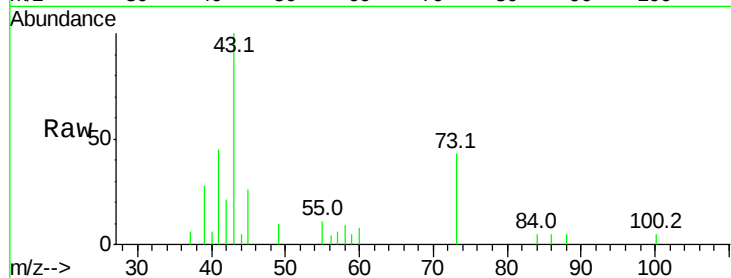
Tot Ion: 42 Resp: 1862

Ion Ratio Lower Upper

42 100

74 0.0 102.5 153.7#

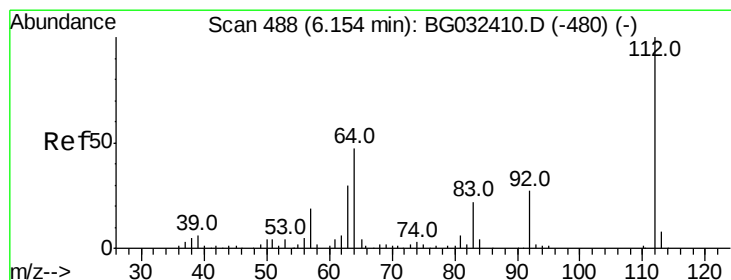
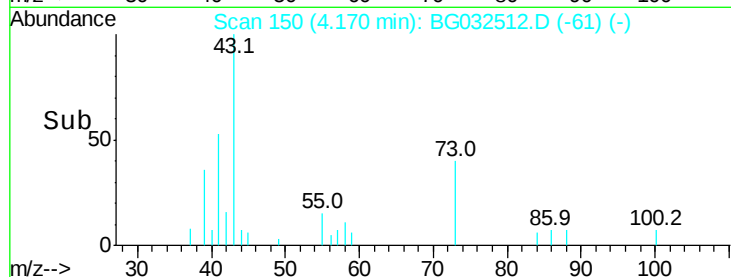
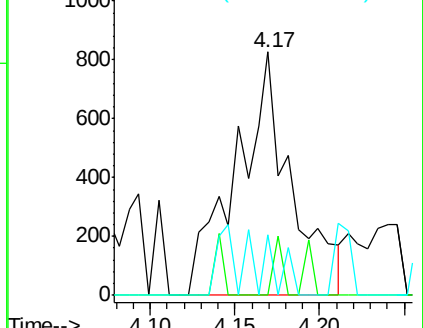
44 24.7 18.9 28.3



Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 140.286 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

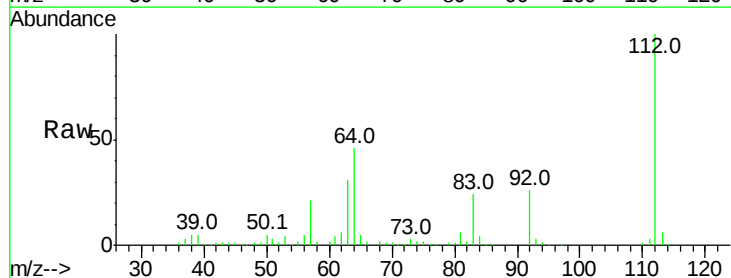
Tgt Ion: 112 Resp: 171789

Ion Ratio Lower Upper

112 100

64 45.8 56.3 84.5#

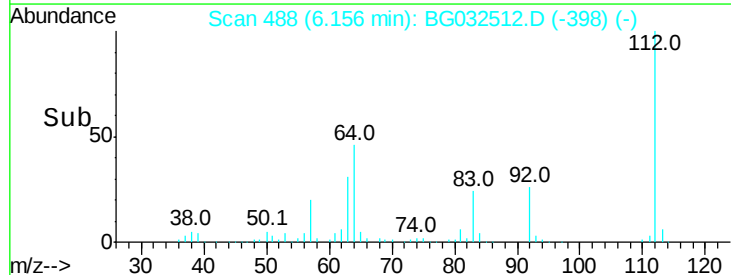
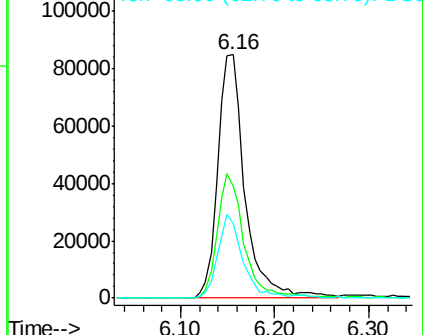
63 30.8 30.1 45.1

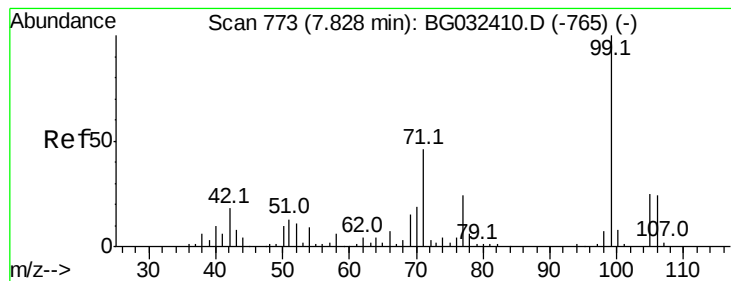


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 120.533 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

Instrument :

BNA_G

ClientSampled :

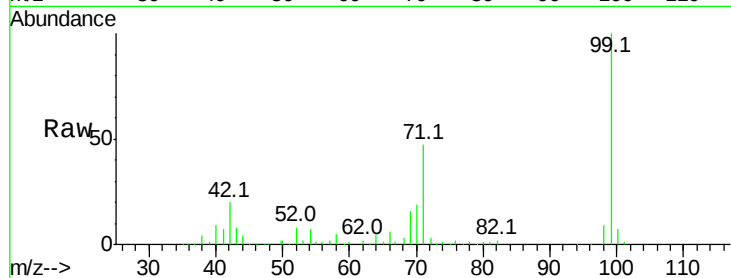
Tot Ion: 99 Resp: 196960

Ion Ratio Lower Upper

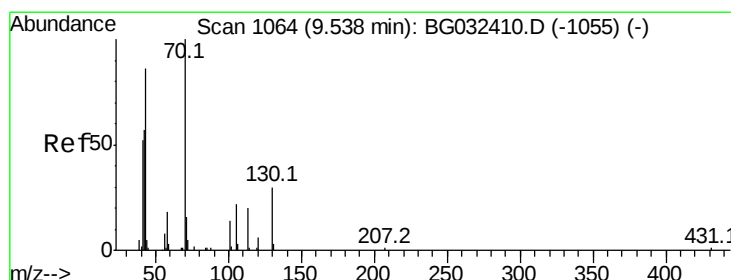
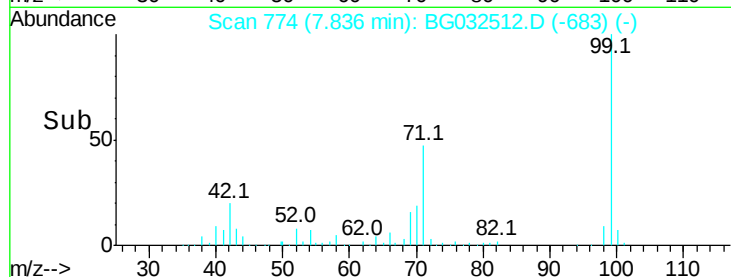
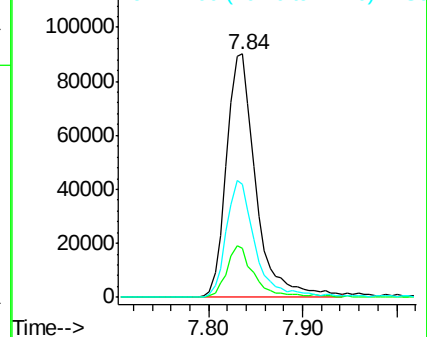
99 100

42 19.9 14.1 21.1

71 46.7 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: 20.358 ng

RT: 9.90 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

Tgt Ion: 70 Resp: 22057

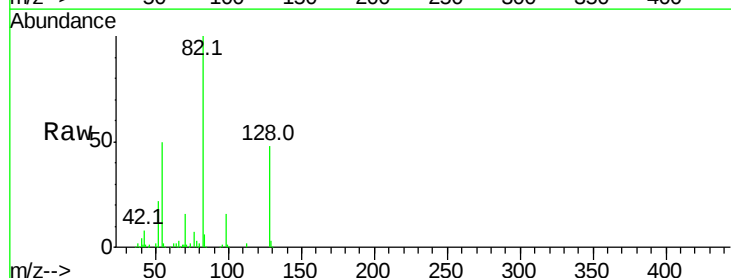
Ion Ratio Lower Upper

70 100

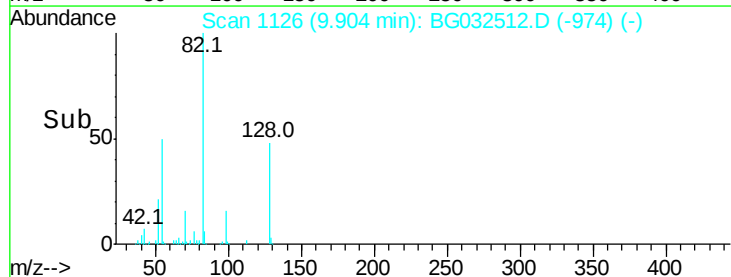
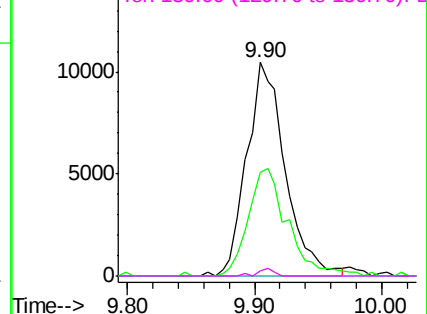
42 48.3 49.1 73.7#

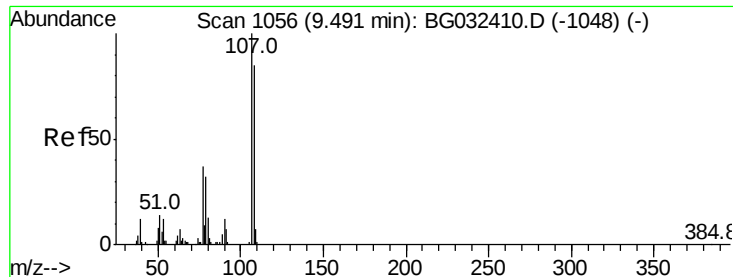
101 0.0 8.5 12.7#

130 2.3 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





#20

3+4-Methylphenols

Concen: 4.934 ng

RT: 9.49 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 8723

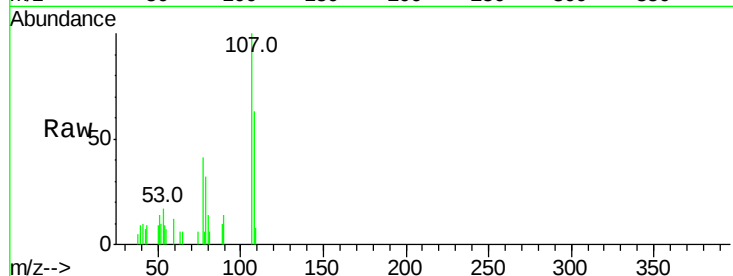
Ion Ratio Lower Upper

107 100

108 63.2 61.6 101.6

77 41.0 13.9 53.9

79 32.1 8.8 48.8

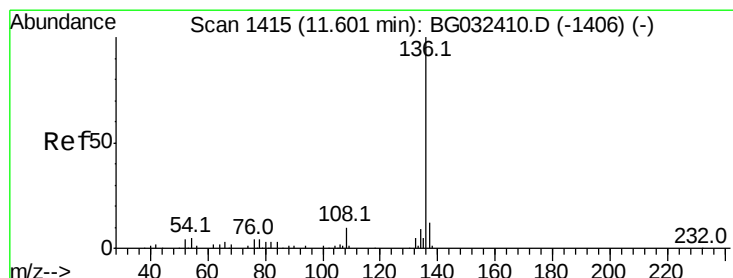
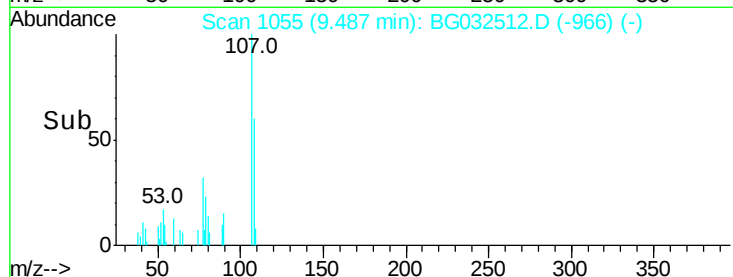
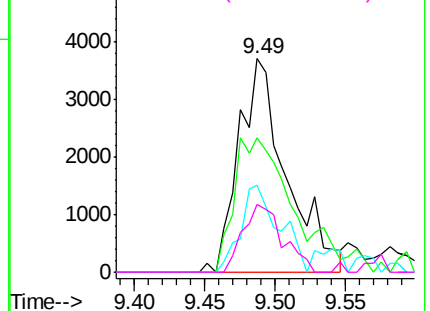


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

Tgt Ion:136 Resp: 103061

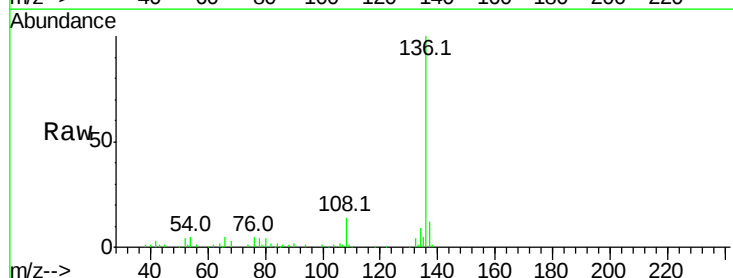
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 5.2 10.3 15.5#

68 2.9 4.5 6.7#

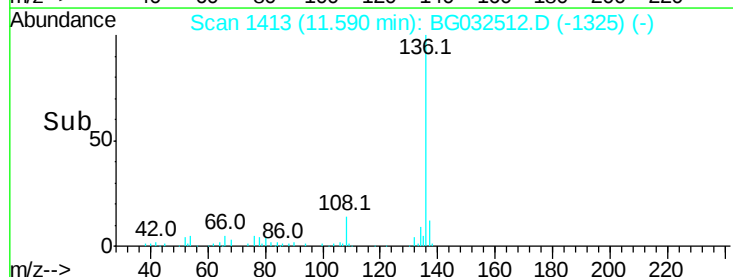
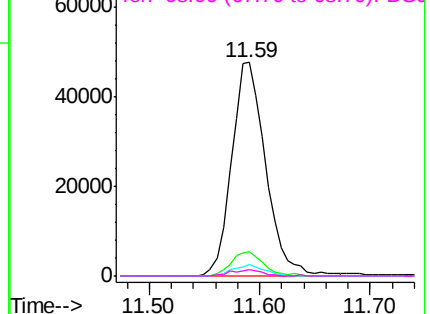


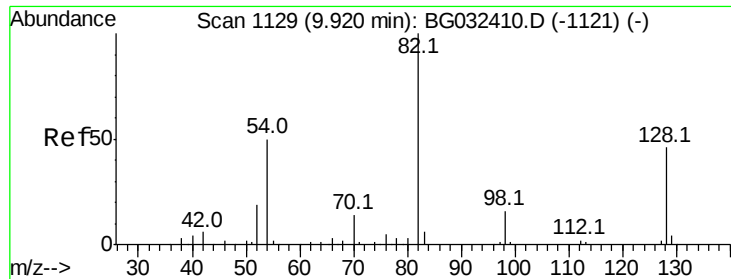
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

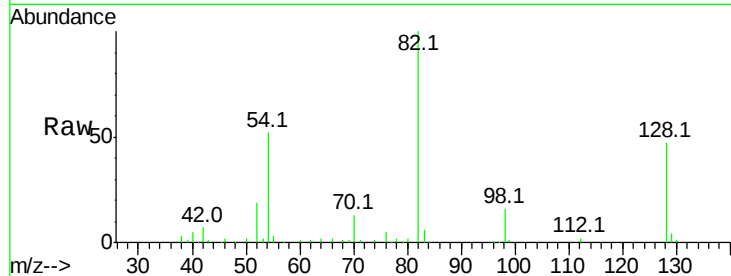




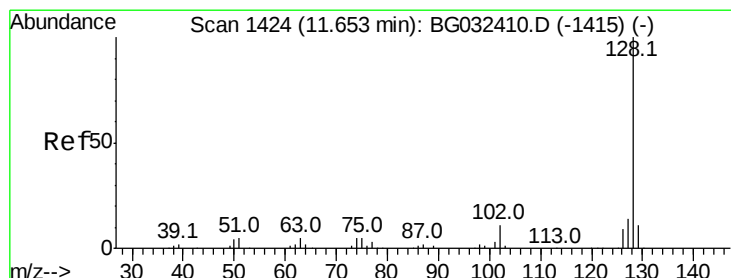
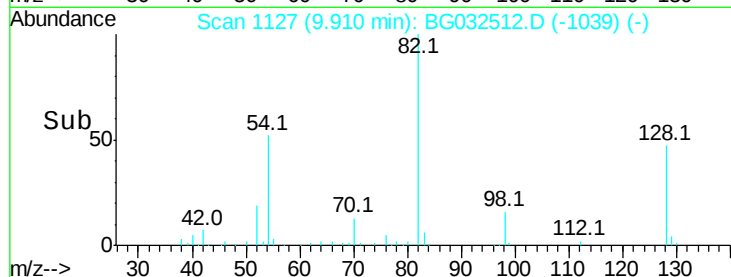
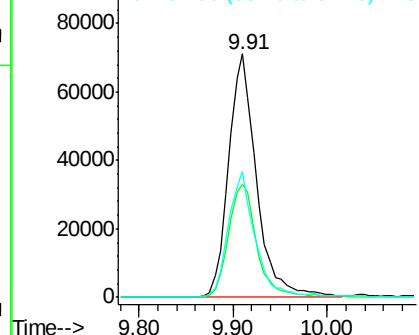
#23
 Nitrobenzene-d5
 Concen: 88.964 ng
 RT: 9.91 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BG032512.D
 Acq: 2 Feb 2018 15:07

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 146793
 Ion Ratio Lower Upper
 82 100
 128 46.6 29.7 44.5#
 54 51.7 43.1 64.7

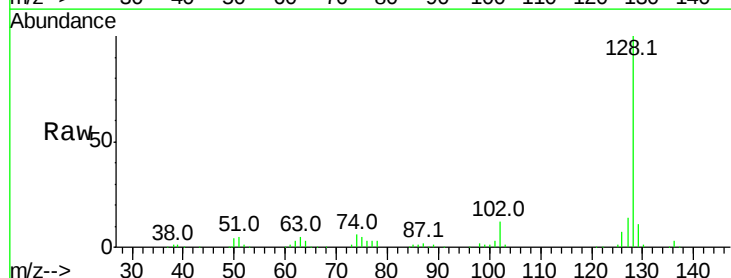


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

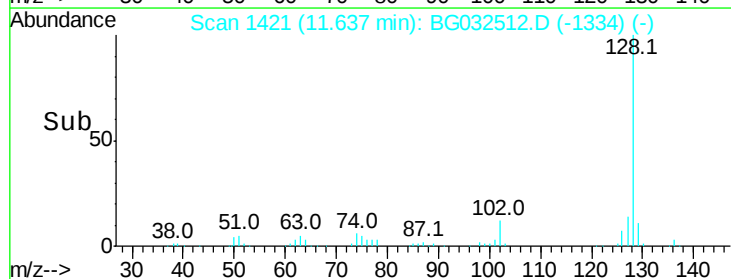
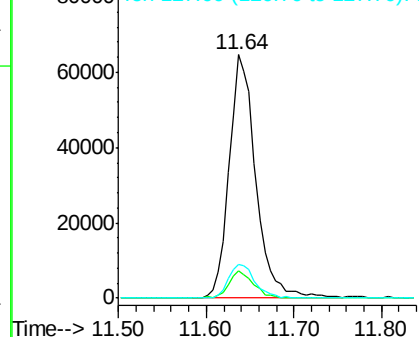


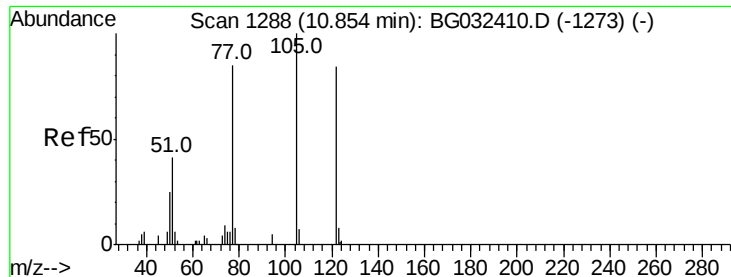
#31
 Naphthalene
 Concen: 26.795 ng
 RT: 11.64 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BG032512.D
 Acq: 2 Feb 2018 15:07

Tgt Ion: 128 Resp: 134875
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.6 12.8
 127 13.7 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: 7.338 ng

RT: 10.81 min Scan# 1280

Delta R.T. -0.05 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

Instrument :

BNA_G

ClientSampleId :

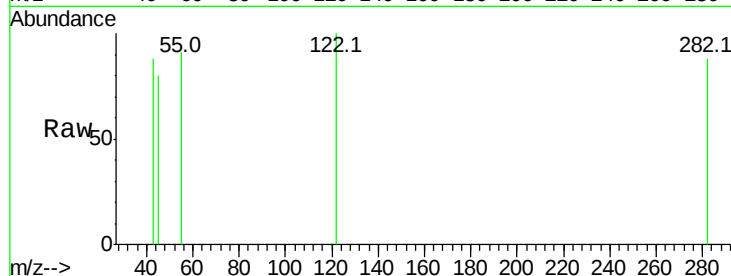
Tot Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 85.7 125.7#



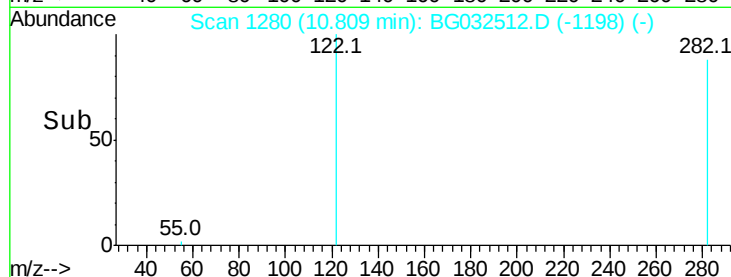
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

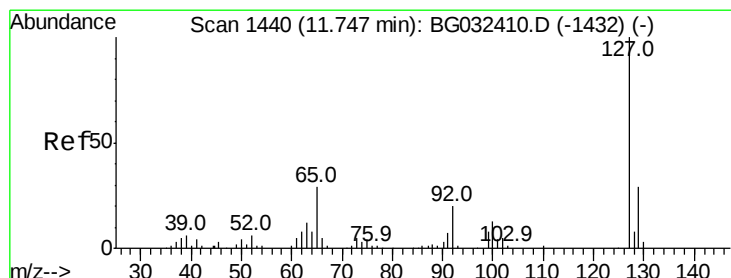
Ion 77.00 (76.70 to 77.70): BGC

10.81

10.80 10.82



Time-->



#33

4-Chloroaniline

Concen: 8.289 ng

RT: 11.64 min Scan# 1421

Delta R.T. -0.11 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

Tgt Ion:127 Resp: 18609

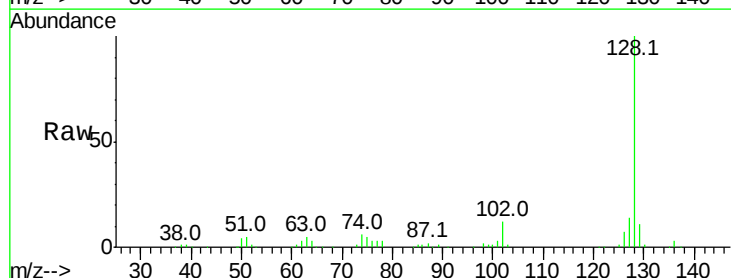
Ion Ratio Lower Upper

127 100

129 80.5 24.0 36.0#

65 1.9 27.0 40.4#

92 0.0 16.6 25.0#



Abundance Ion 127.00 (126.70 to 127.70): E

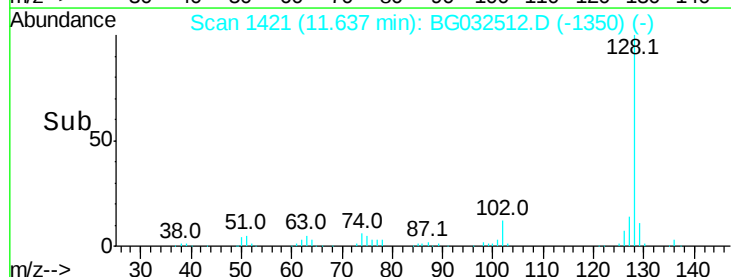
Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

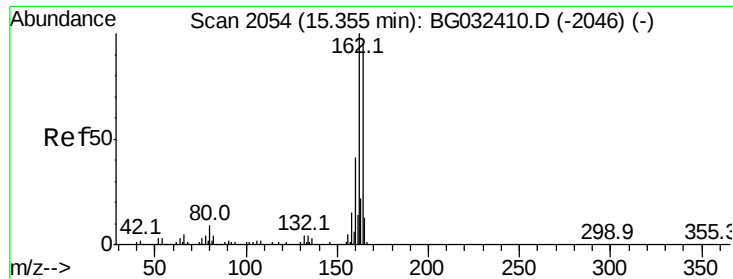
Ion 92.00 (91.70 to 92.70): BGC

11.64

11.60 11.70



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032512.D

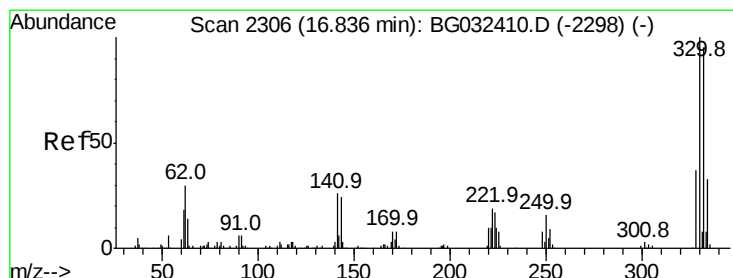
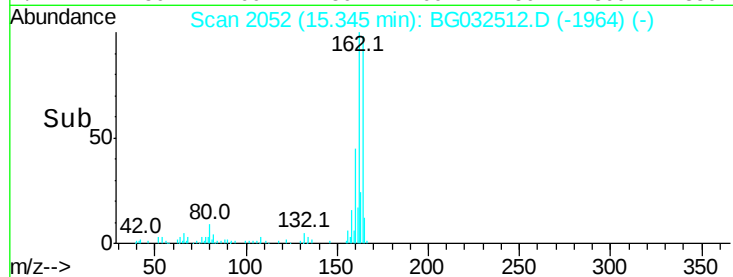
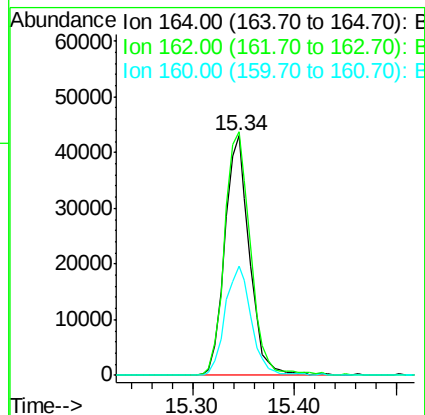
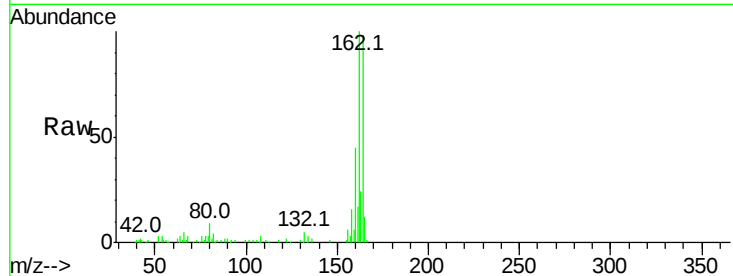
Acq: 2 Feb 2018 15:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	164	Resp:	72377
Ion	Ratio	Lower	Upper
164	100		
162	101.6	78.8	118.2
160	45.8	35.4	53.0



#41

2,4,6-Tribromophenol

Concen: 136.950 ng

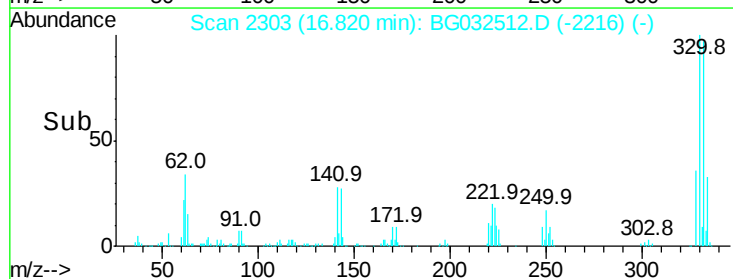
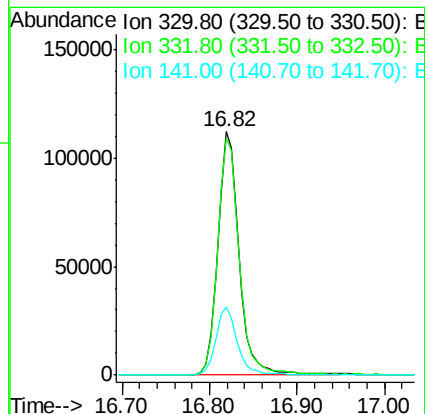
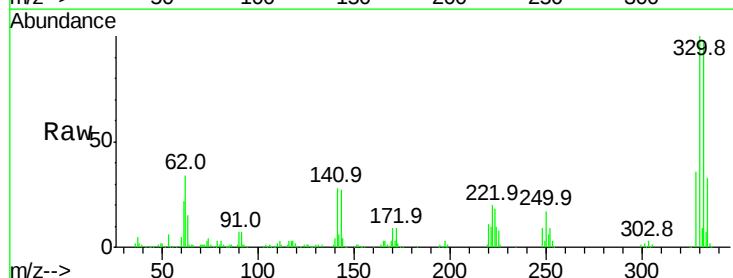
RT: 16.82 min Scan# 2303

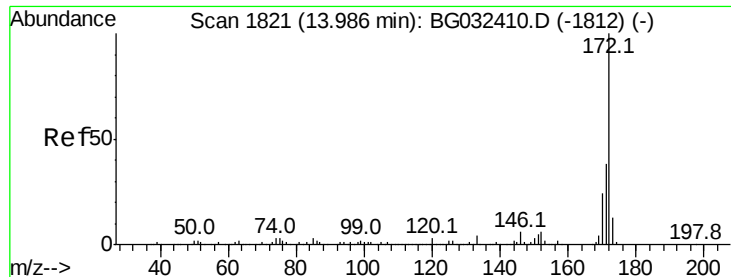
Delta R.T. -0.02 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

Tgt Ion:	330	Resp:	188675
Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.0	115.6
141	28.4	25.2	37.8

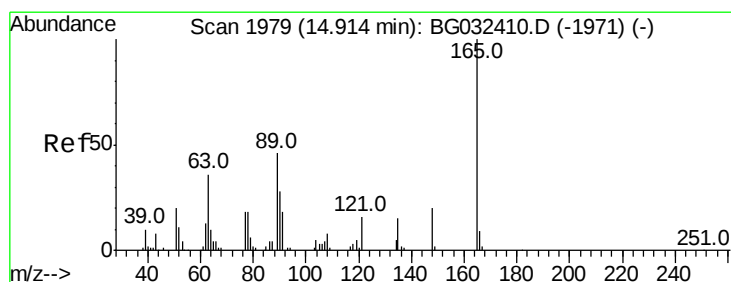
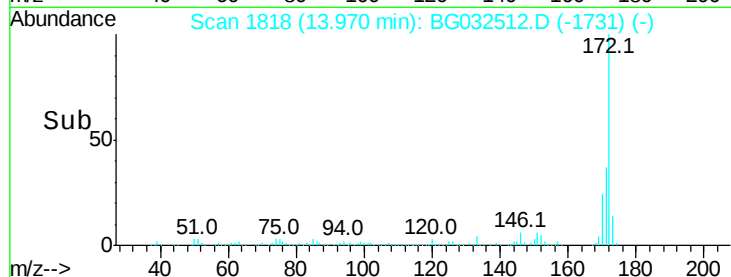
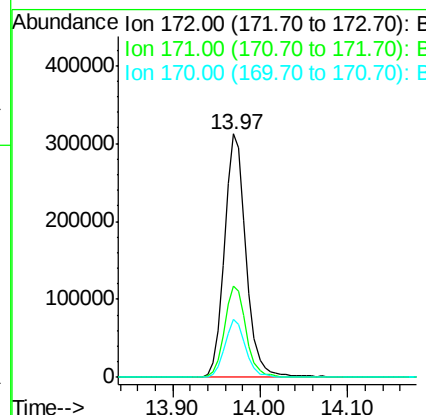
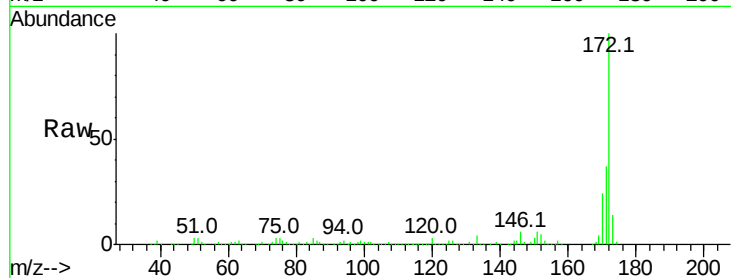




#44
 2-Fluorobiphenyl
 Concen: 87.522 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032512.D
 Acq: 2 Feb 2018 15:07

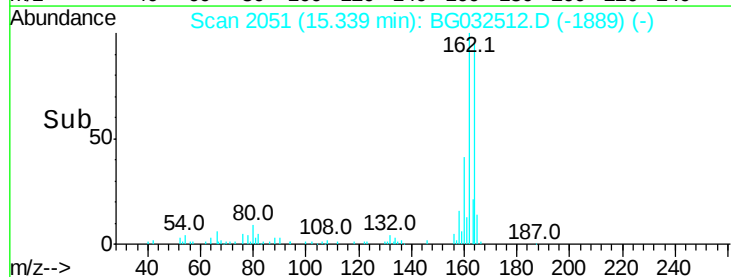
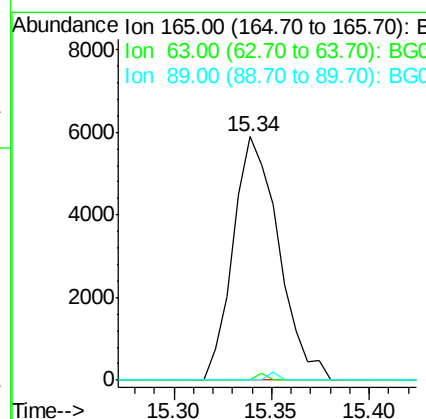
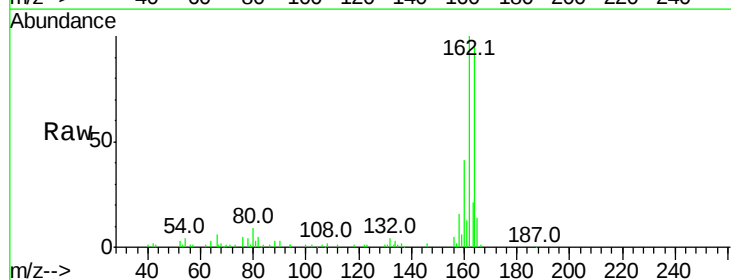
Instrument :
 BNA_G
 ClientSampleId :

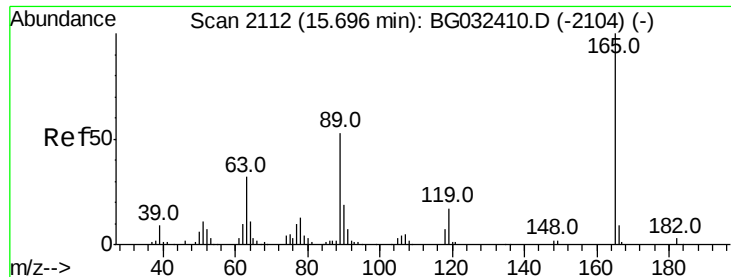
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	24.1	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.819 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. 0.42 min
 Lab File: BG032512.D
 Acq: 2 Feb 2018 15:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

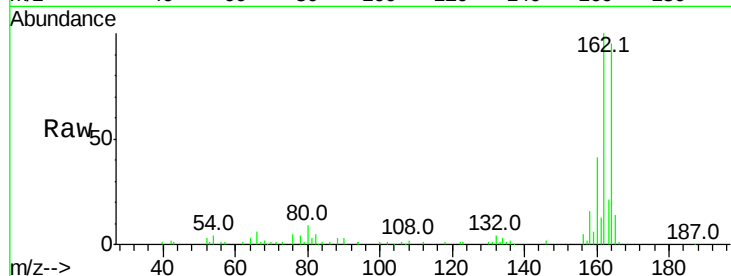




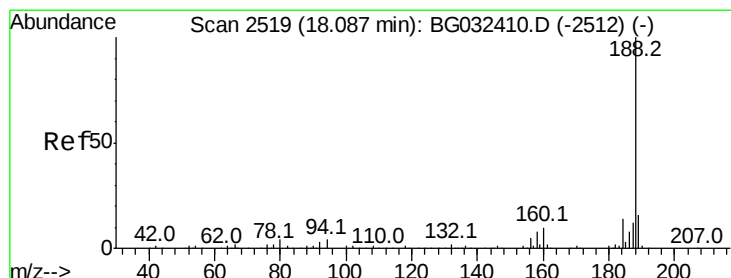
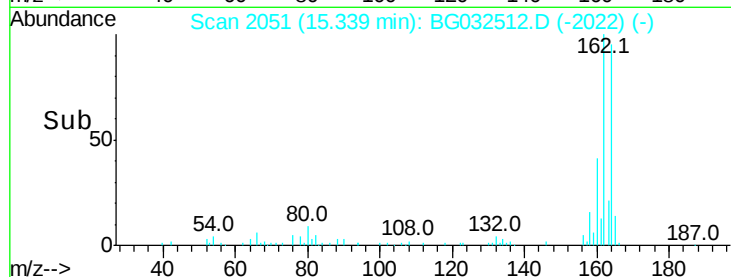
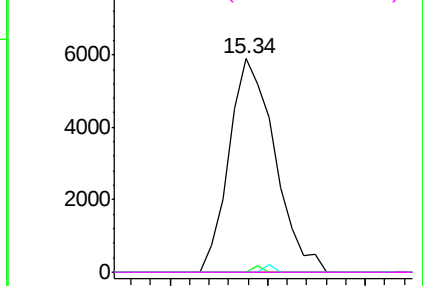
#56
 2,4-Dinitrotoluene
 Concen: 4.789 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.36 min
 Lab File: BG032512.D
 Acq: 2 Feb 2018 15:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9551
 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#

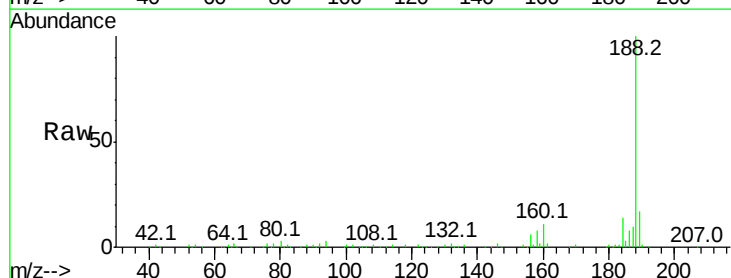


Abundance Ion 165.00 (164.70 to 165.70): E

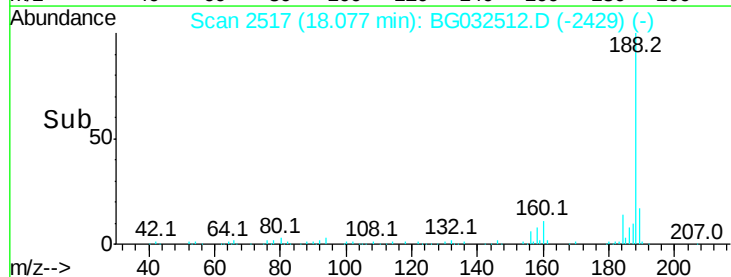
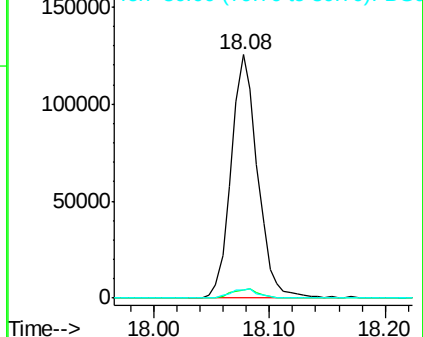


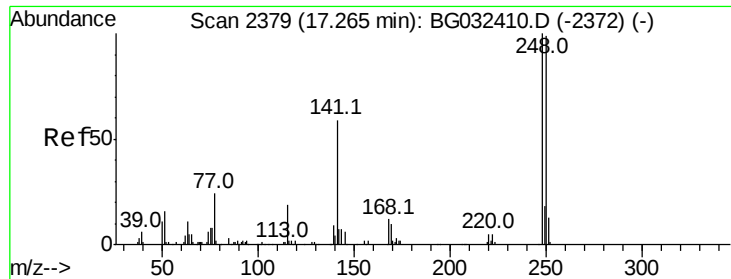
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032512.D
 Acq: 2 Feb 2018 15:07

Tgt Ion:188 Resp: 199373
 Ion Ratio Lower Upper
 188 100
 94 3.2 6.9 10.3#
 80 3.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

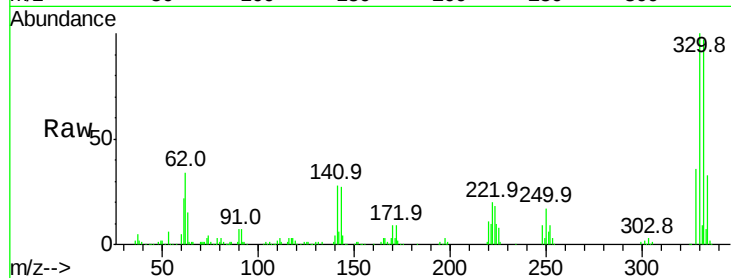




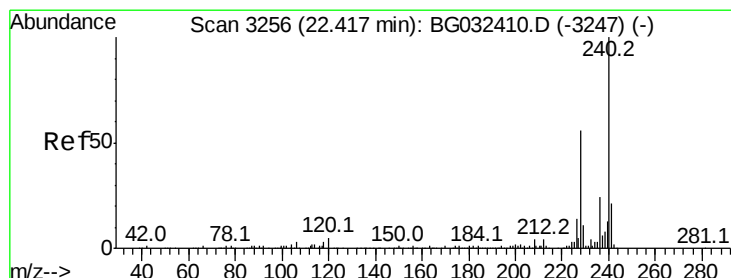
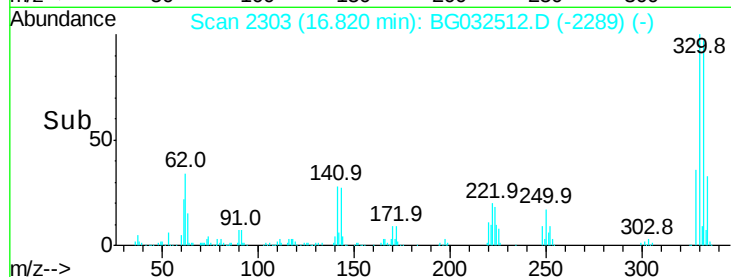
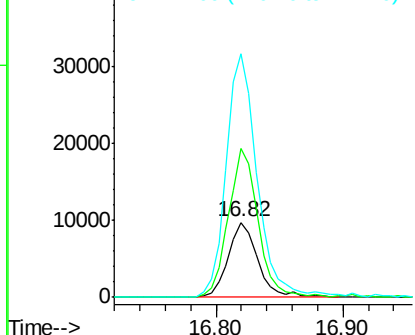
#66
4-Bromophenyl-phenylether
Concen: 5.308 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.44 min
Lab File: BG032512.D
Acq: 2 Feb 2018 15:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 15678
Ion Ratio Lower Upper
248 100
250 200.0 77.1 115.7#
141 326.2 50.8 76.2#

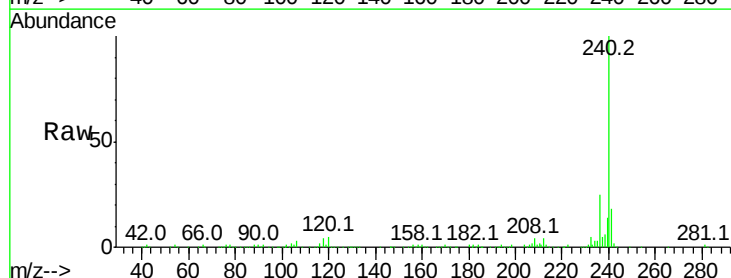


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

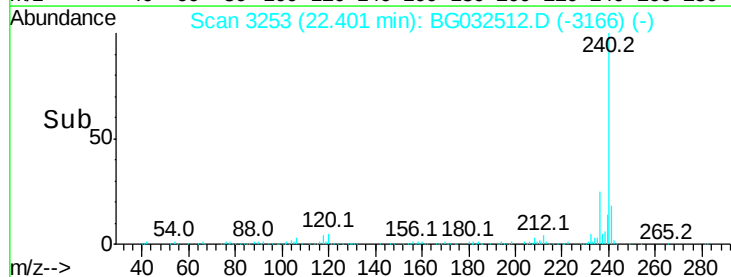
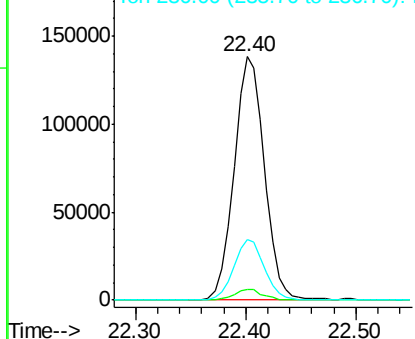


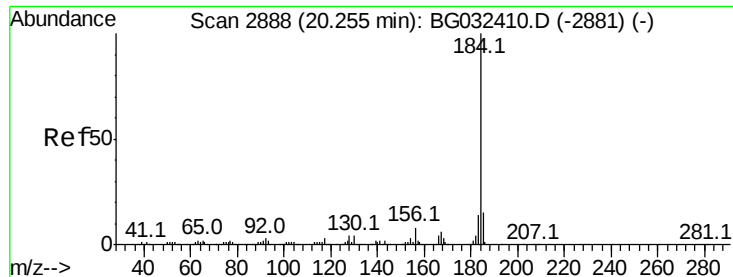
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.02 min
Lab File: BG032512.D
Acq: 2 Feb 2018 15:07

Tgt Ion:240 Resp: 266254
Ion Ratio Lower Upper
240 100
120 4.6 6.8 10.2#
236 24.7 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: 3.242 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

Instrument :

BNA_G

ClientSampleId :

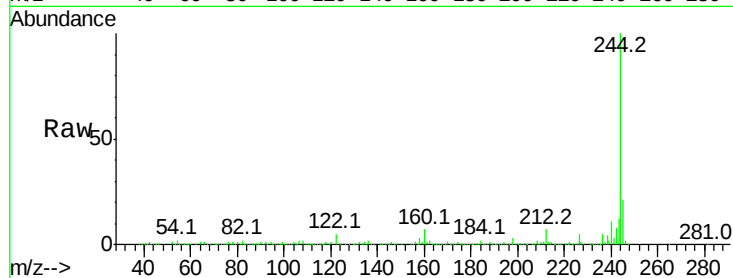
Tot Ion:184 Resp: 16950

Ion Ratio Lower Upper

184 100

185 18.6 11.1 16.7#

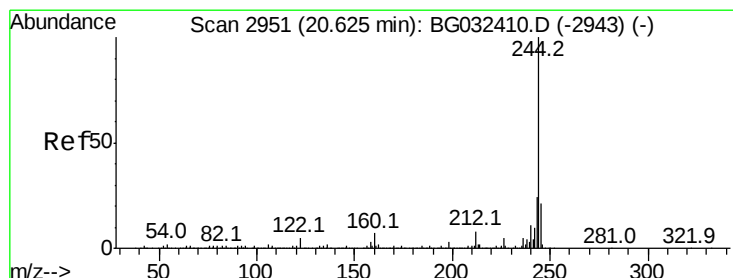
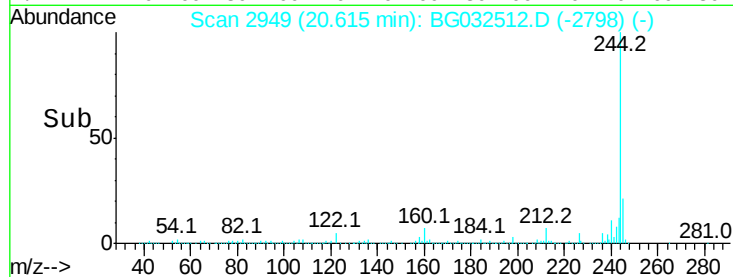
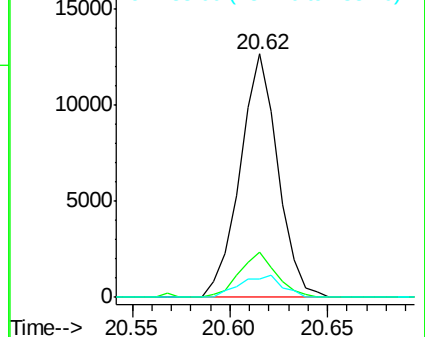
183 7.6 10.6 16.0#



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: 94.040 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032512.D

Acq: 2 Feb 2018 15:07

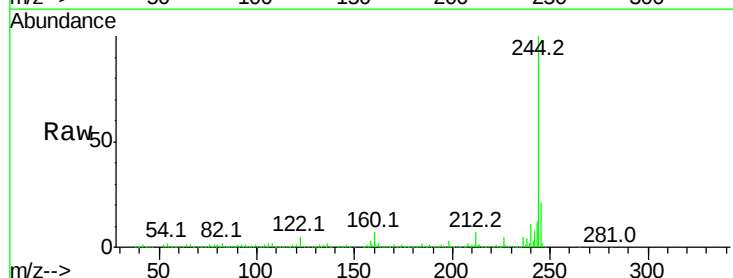
Tgt Ion:244 Resp: 1168884

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

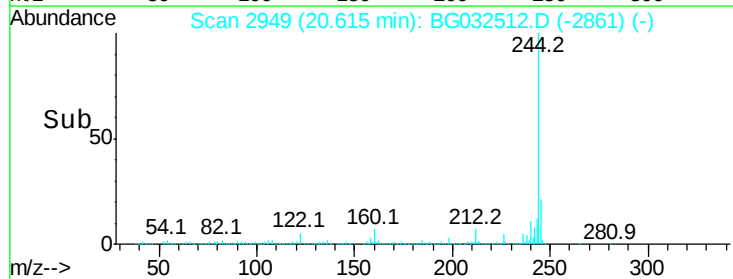
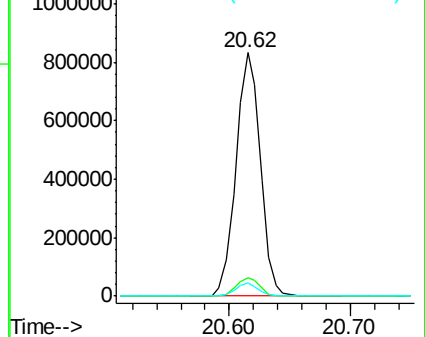
122 5.5 7.0 10.4#

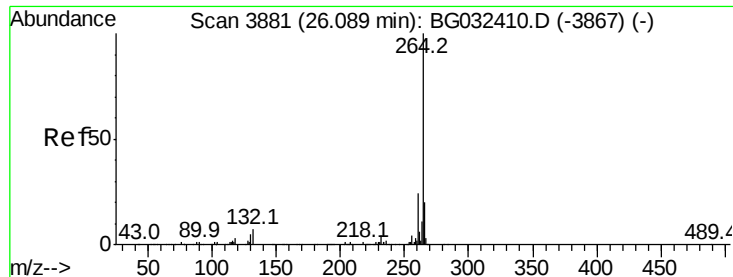


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.08 min Scan# 3879
Delta R.T. -0.01 min
Lab File: BG032512.D
Acq: 2 Feb 2018 15:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	22.1	17.7	26.5

