

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032329.D
 Acq On : 26 Jan 2018 14:09
 Operator : SJ/JU
 Sample : PB106006TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB106006TB

Quant Time: Jan 26 14:44:00 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

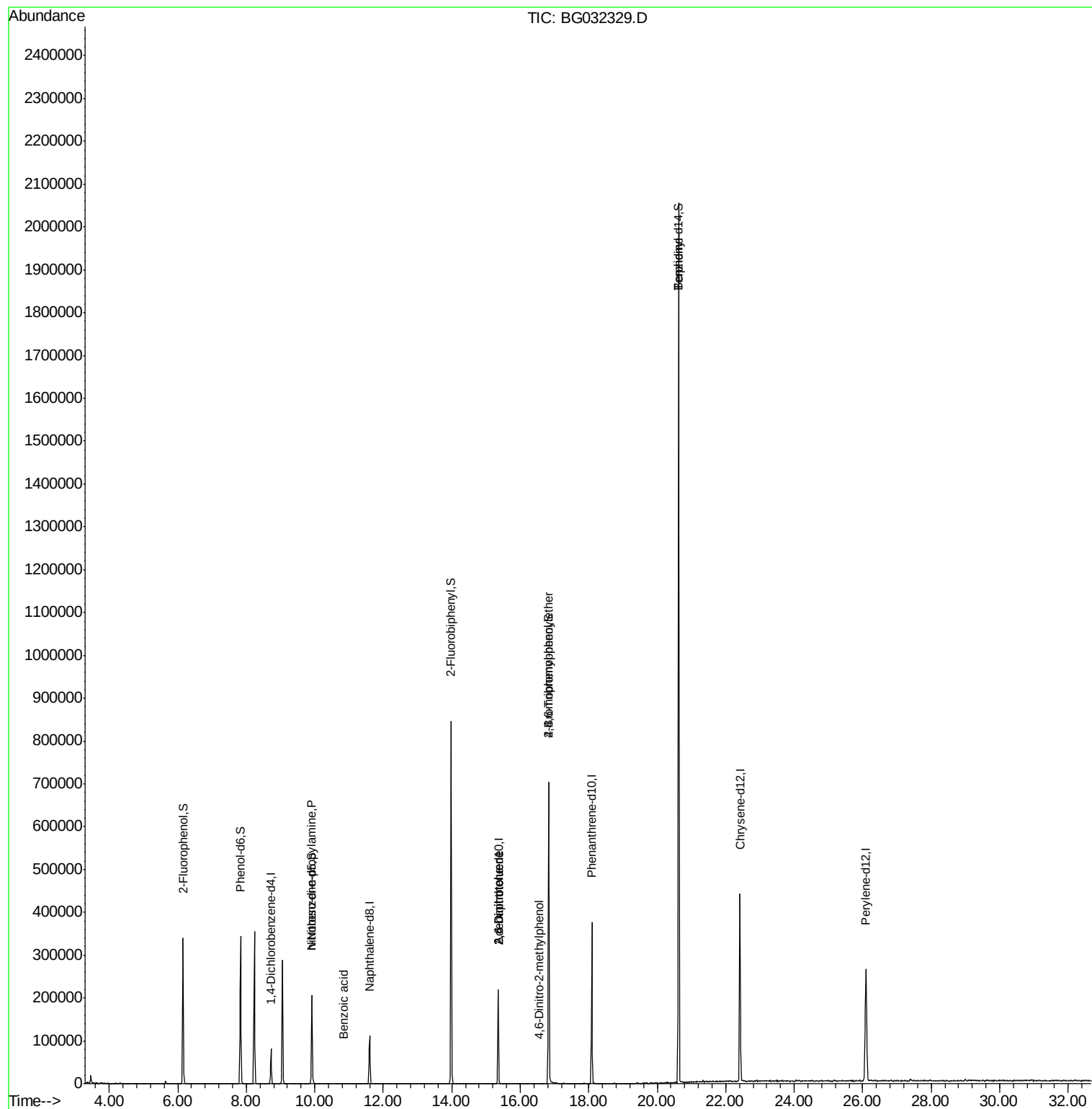
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	26930	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	107255	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	84566	20.00	ng	-0.01
63) Phenanthrene-d10	18.09	188	255199	20.00	ng	0.00
75) Chrysene-d12	22.41	240	330485	20.00	ng	-0.01
86) Perylene-d12	26.10	264	350632	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	164651	111.82	ng	0.00
7) Phenol-d6	7.83	99	204194	110.11	ng	0.00
23) Nitrobenzene-d5	9.92	82	123801	78.09	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	167662	119.81	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	487526	71.48	ng	0.00
78) Terphenyl-d14	20.62	244	1158864	77.43	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.92	70	17107	14.868	ng	# 76
32) Benzoic acid	10.83	122	61	5.302	ng	# 1
50) 2,6-Dinitrotoluene	15.36	165	10961	7.136	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	10961	5.300	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.56	198	63	4.919	ng	# 29
66) 4-Bromophenyl-phenylether	16.83	248	14276	3.932	ng	# 1
76) Benzidine	20.62	184	16535	2.001	ng	# 89

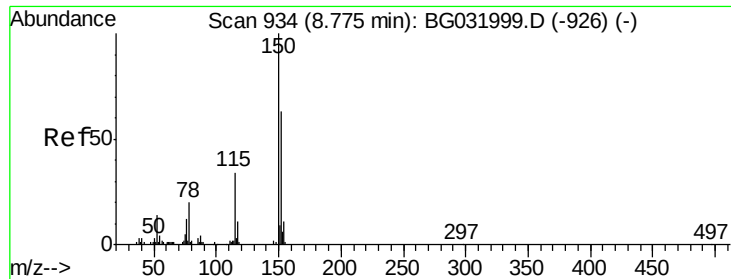
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG032329.D

Acq: 26 Jan 2018 14:09

Instrument :

BNA_G

ClientSampleId :

PB106006TB

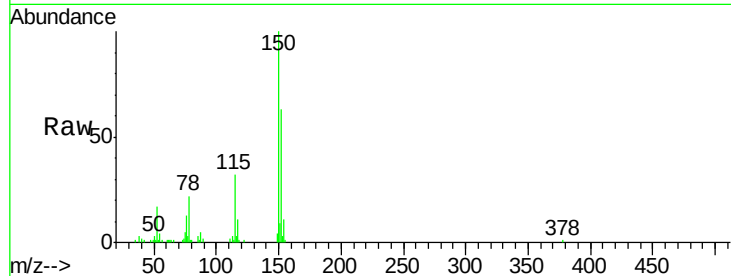
Tot Ion:152 Resp: 26930

Ion Ratio Lower Upper

152 100

150 158.6 126.6 189.8

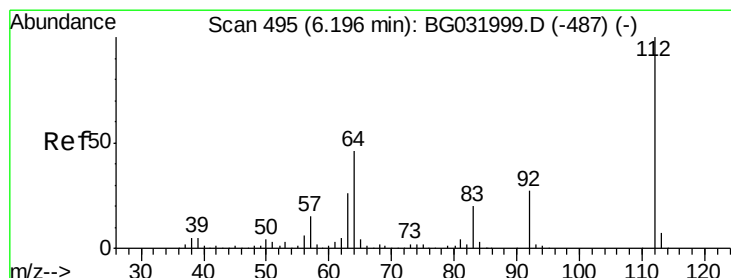
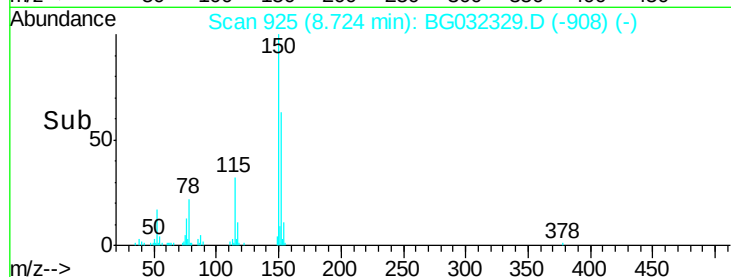
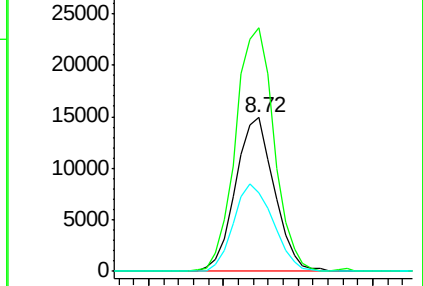
115 51.1 53.0 79.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 111.822 ng

RT: 6.15 min Scan# 487

Delta R.T. -0.01 min

Lab File: BG032329.D

Acq: 26 Jan 2018 14:09

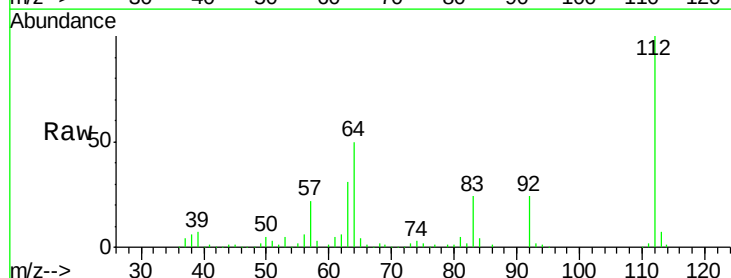
Tgt Ion:112 Resp: 164651

Ion Ratio Lower Upper

112 100

64 49.9 56.3 84.5#

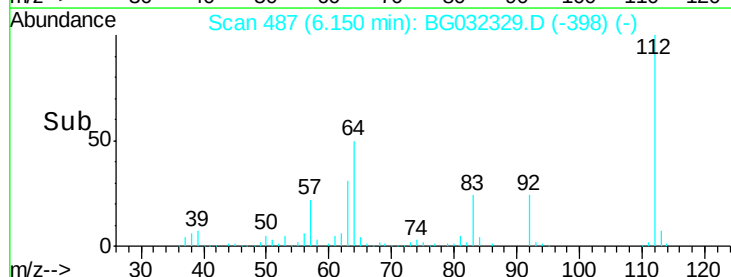
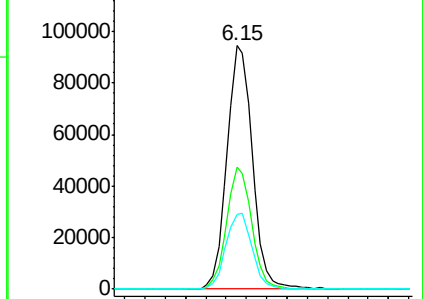
63 30.8 30.1 45.1

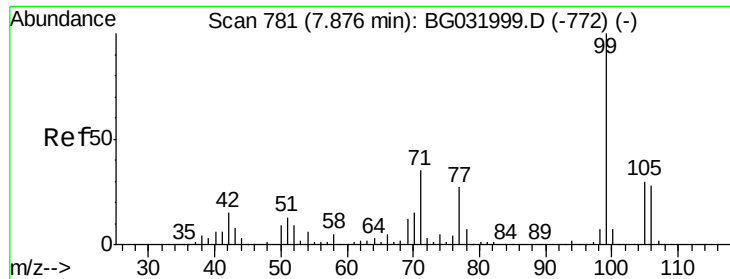


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 110.110 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG032329.D

Acq: 26 Jan 2018 14:09

Instrument :

BNA_G

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PB106006TB

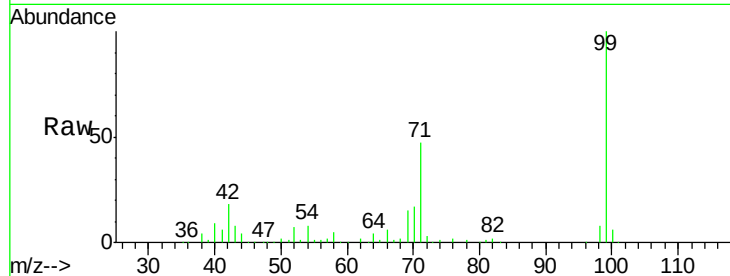
Tot Ion: 99 Resp: 204194

Ion Ratio Lower Upper

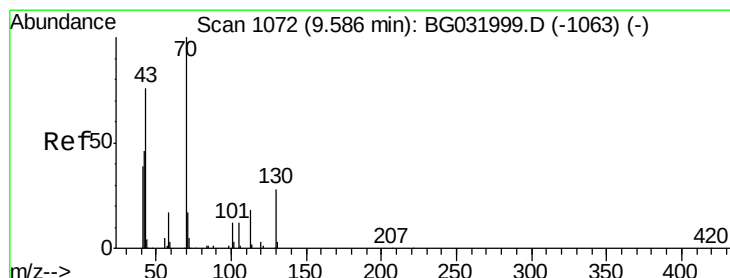
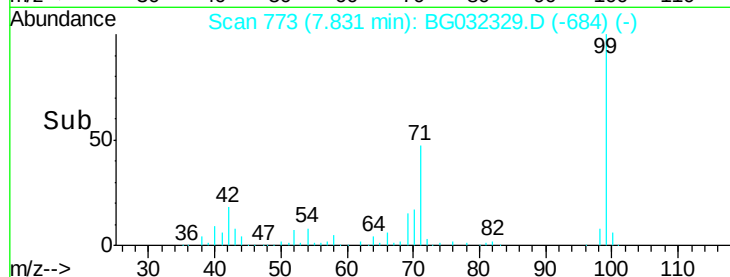
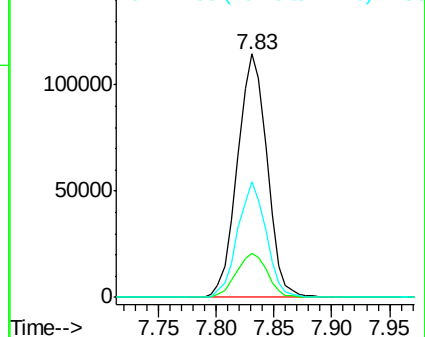
99 100

42 18.2 14.1 21.1

71 47.3 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: 14.868 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032329.D

Acq: 26 Jan 2018 14:09

Tgt Ion: 70 Resp: 17107

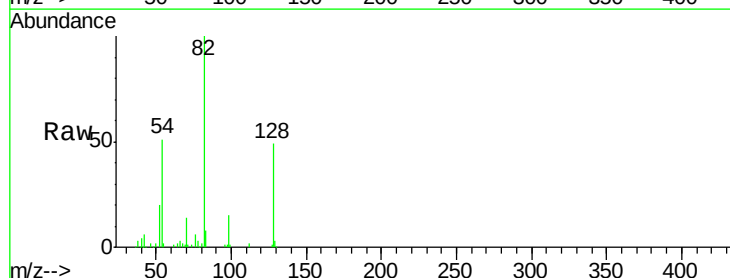
Ion Ratio Lower Upper

70 100

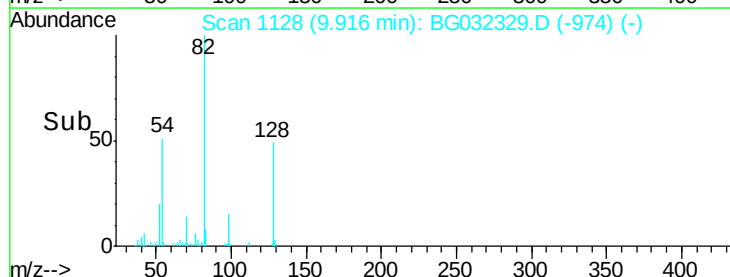
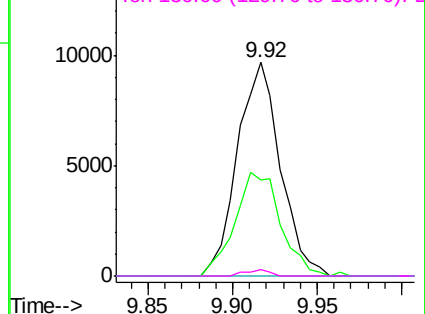
42 44.9 49.1 73.7#

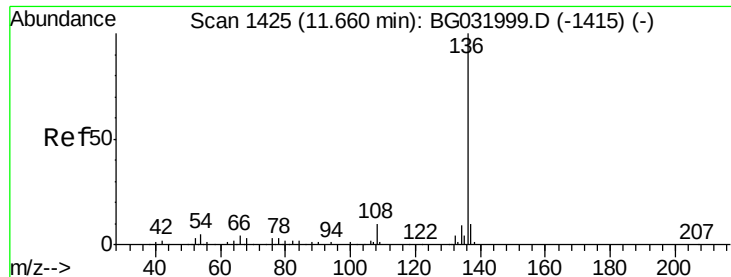
101 0.0 8.5 12.7#

130 2.8 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: BG032329.D

Acq: 26 Jan 2018 14:09

Instrument :

BNA_G

ClientSampleId :

PB106006TB

Tot Ion:136 Resp: 107255

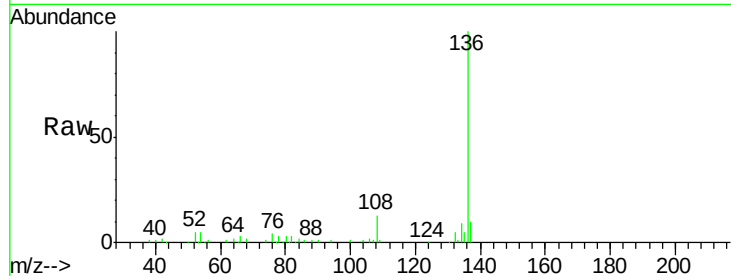
Ion Ratio Lower Upper

136 100

137 9.7 9.2 13.8

54 4.8 10.3 15.5#

68 2.4 4.5 6.7#

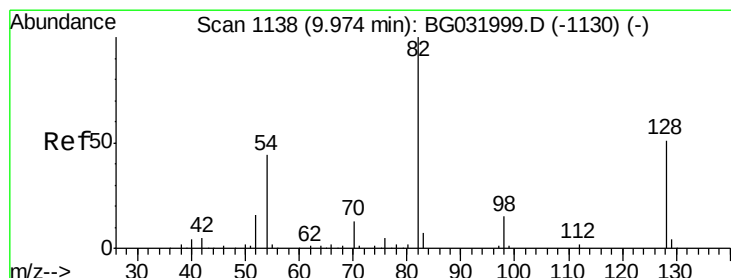
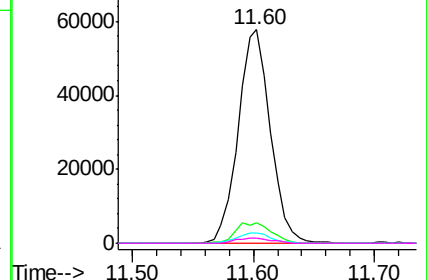
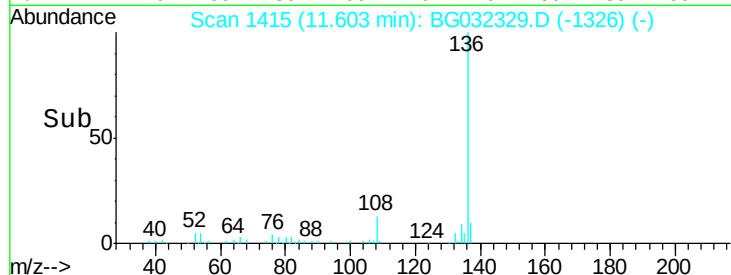


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.091 ng

RT: 9.92 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BG032329.D

Acq: 26 Jan 2018 14:09

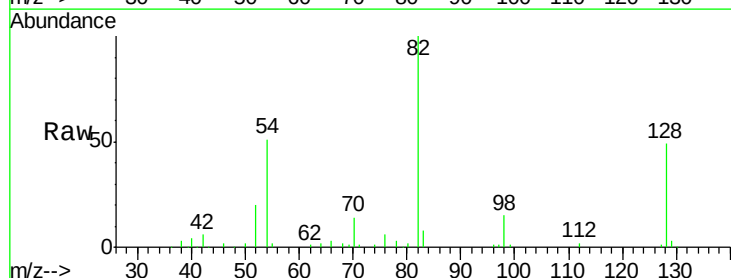
Tgt Ion: 82 Resp: 123801

Ion Ratio Lower Upper

82 100

128 48.7 29.7 44.5#

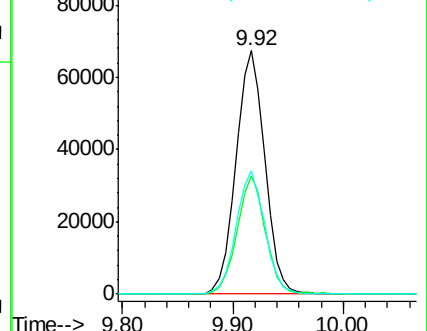
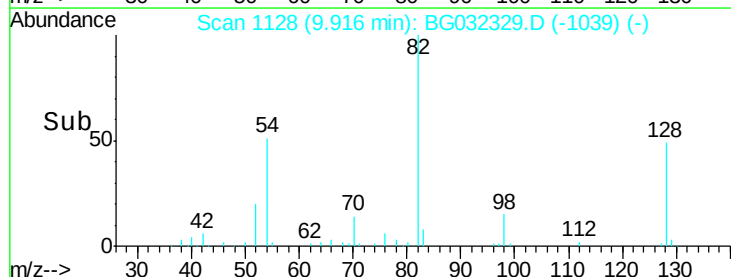
54 50.7 43.1 64.7

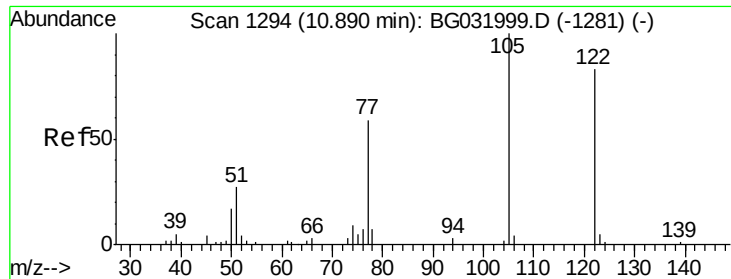


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

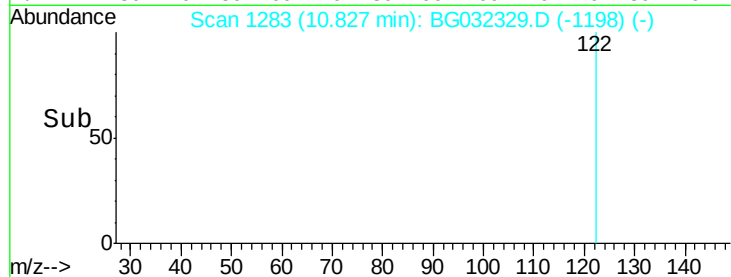
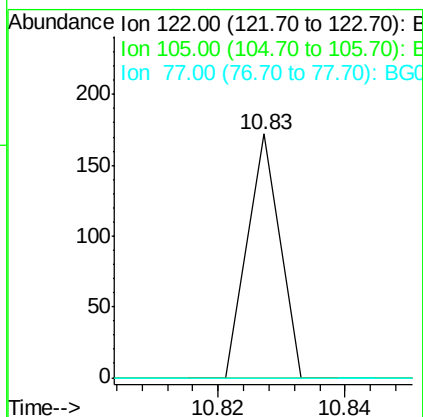
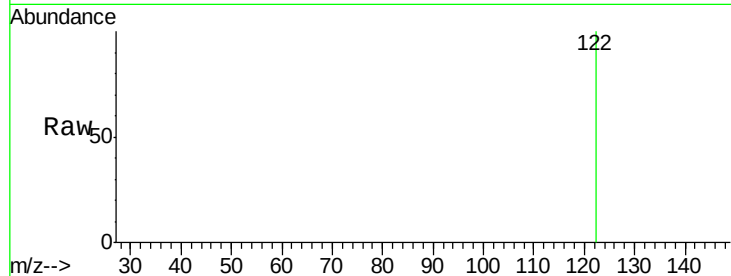




#32
Benzoic acid
Concen: 5.302 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.03 min
Lab File: BG032329.D
Acq: 26 Jan 2018 14:09

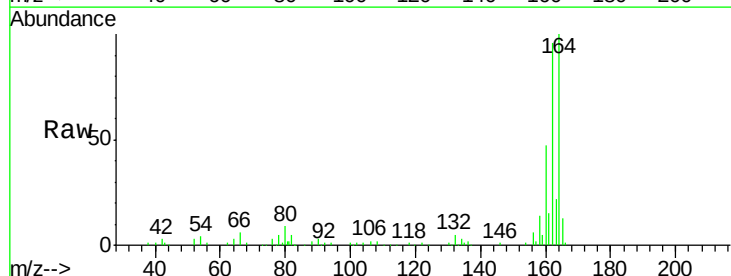
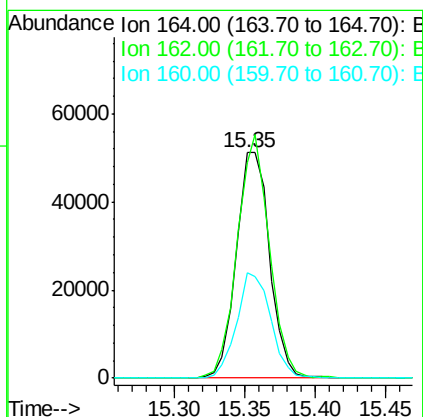
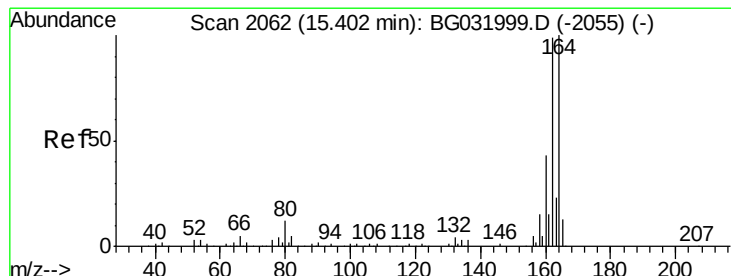
Instrument :
BNA_G
ClientSampleId :
PB106006TB

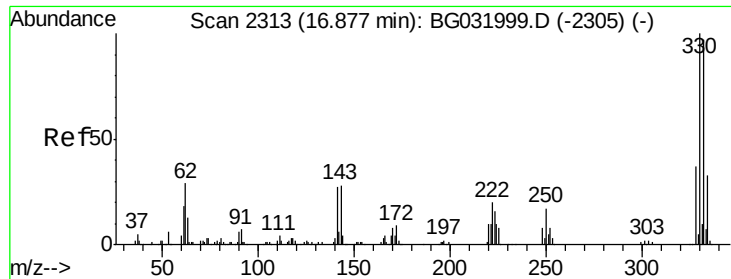
Tot Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.35 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BG032329.D
Acq: 26 Jan 2018 14:09

Tgt Ion:164 Resp: 84566
Ion Ratio Lower Upper
164 100
162 95.6 78.8 118.2
160 46.6 35.4 53.0

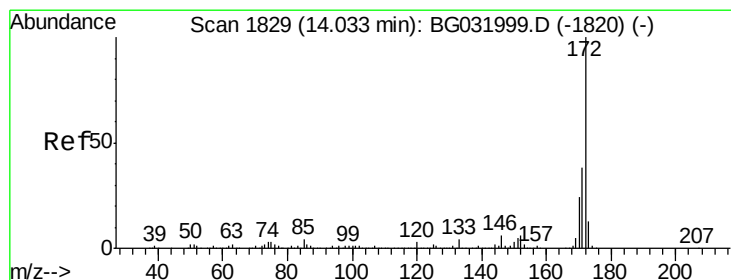
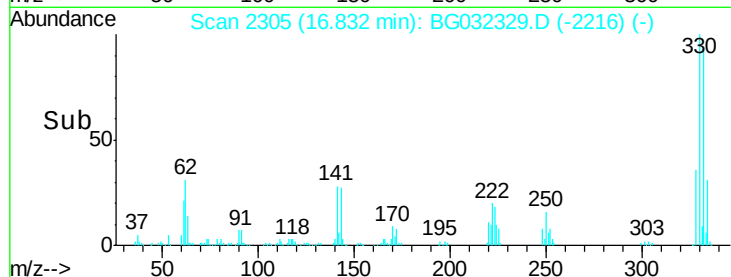
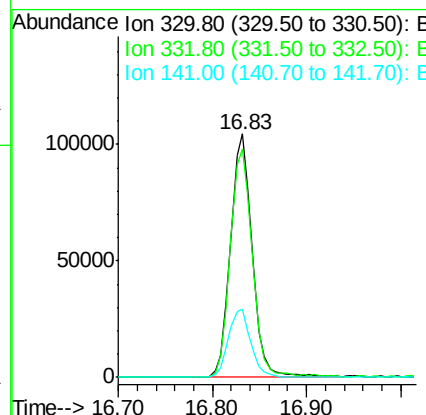
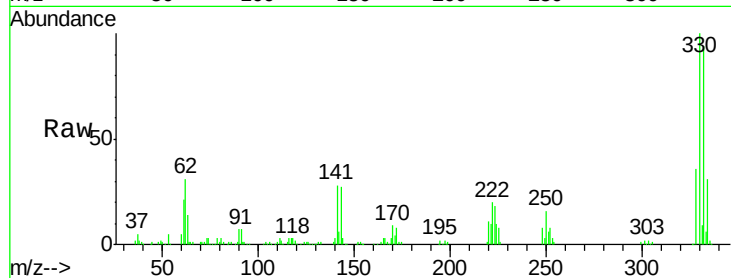




#41
 2,4,6-Tribromophenol
 Concen: 119.813 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: BG032329.D
 Acq: 26 Jan 2018 14:09

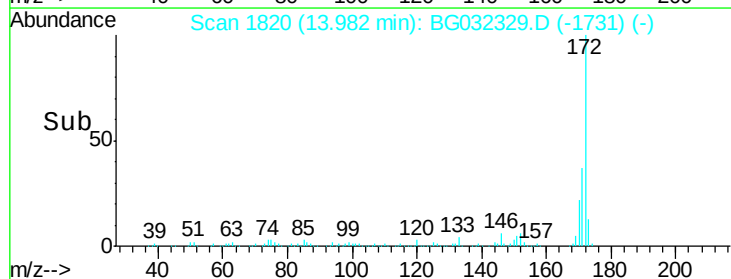
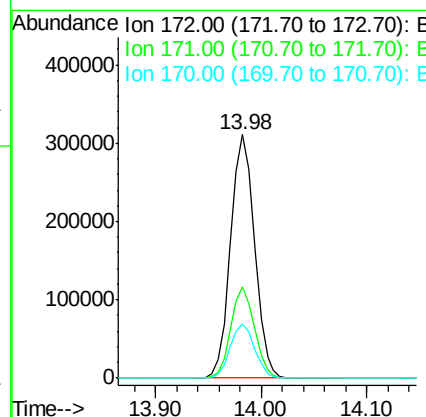
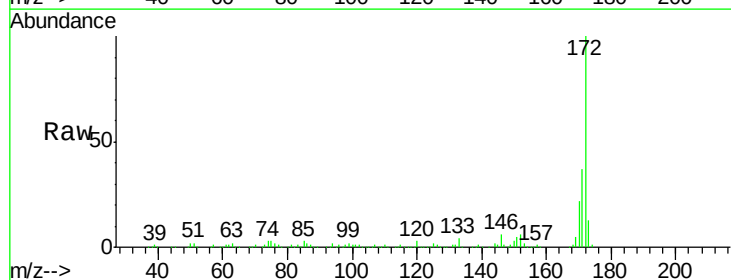
Instrument :
 BNA_G
 ClientSampled :
 PB106006TB

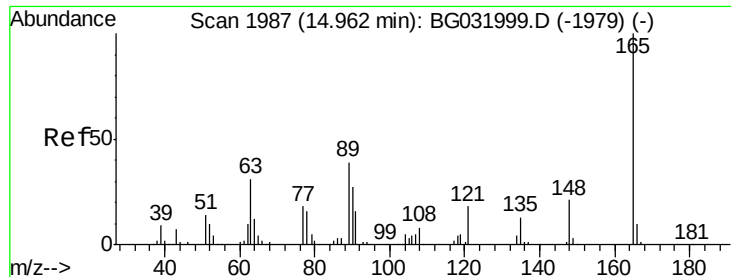
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	28.8	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 71.484 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032329.D
 Acq: 26 Jan 2018 14:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	22.0	19.5	29.3

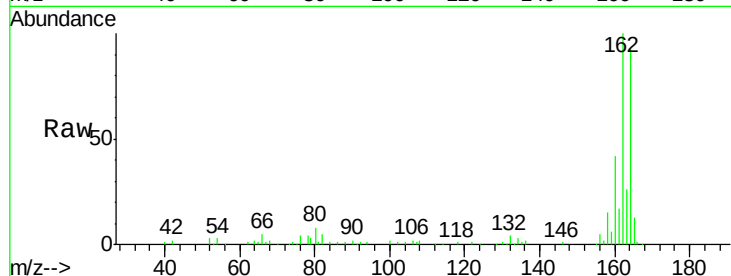




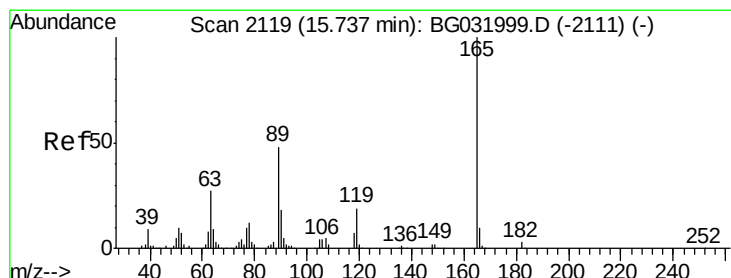
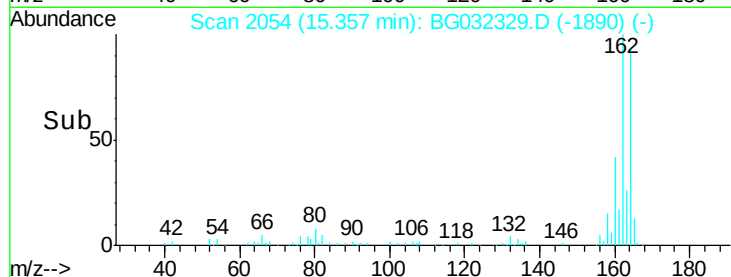
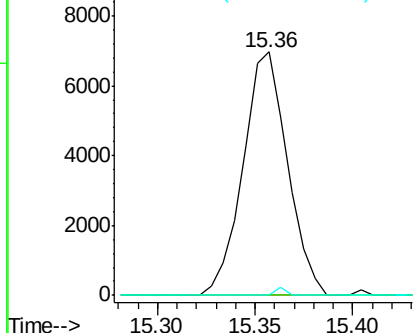
#50
 2,6-Dinitrotoluene
 Concen: 7.136 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032329.D
 Acq: 26 Jan 2018 14:09

Instrument :
 BNA_G
 ClientSampleId :
 PB106006TB

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

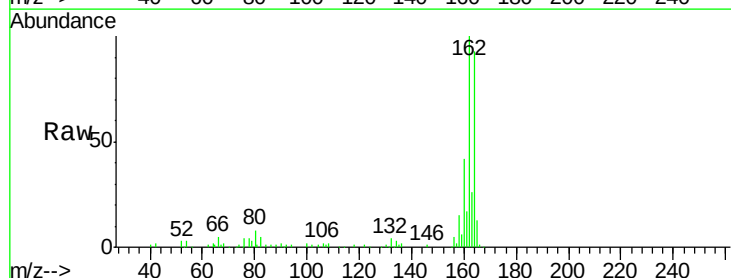


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

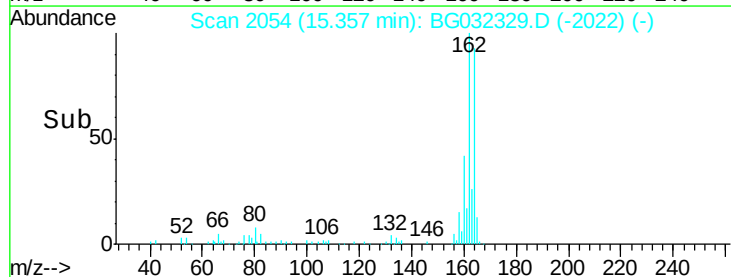
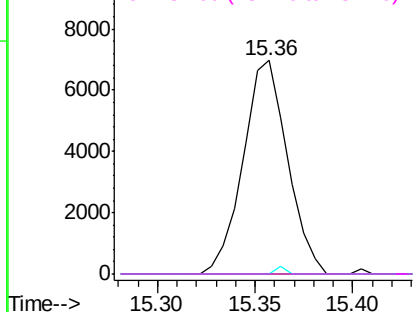


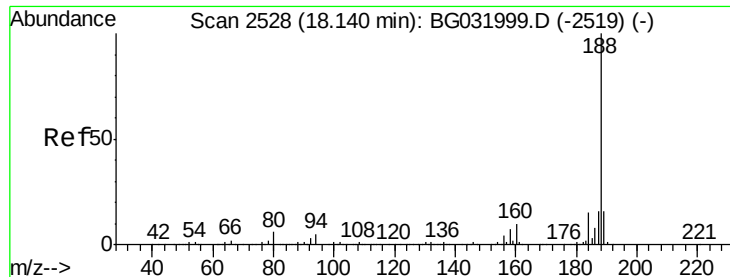
#56
 2,4-Dinitrotoluene
 Concen: 5.300 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032329.D
 Acq: 26 Jan 2018 14:09

Tgt 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

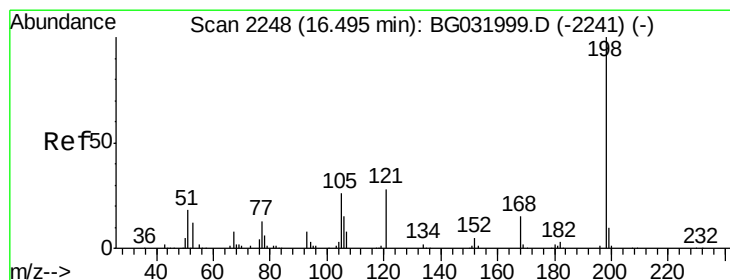
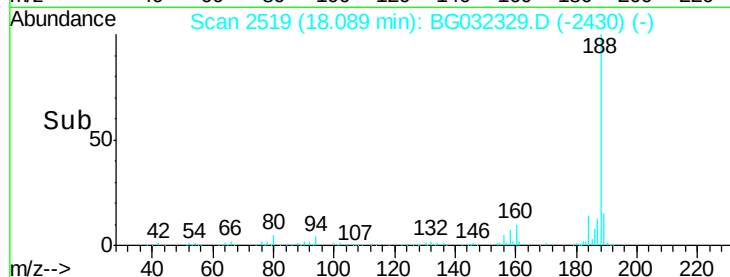
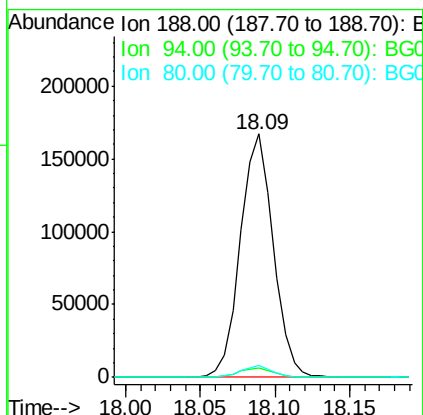
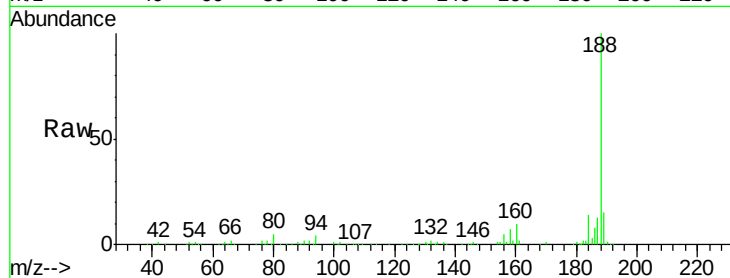




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032329.D
 Acq: 26 Jan 2018 14:09

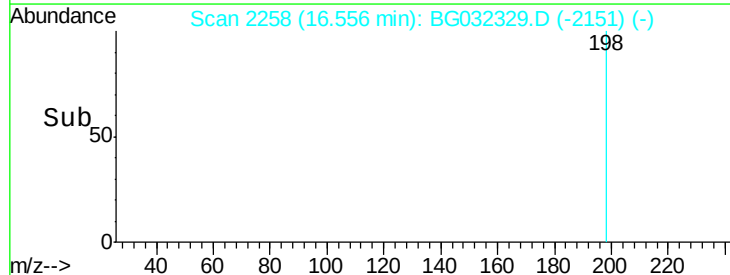
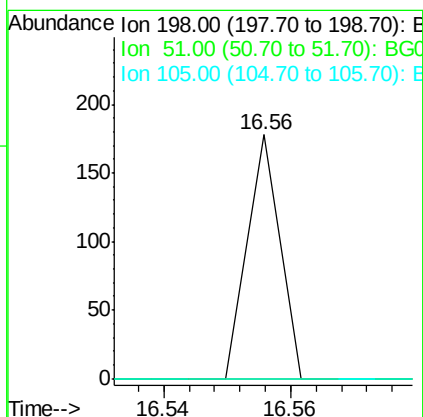
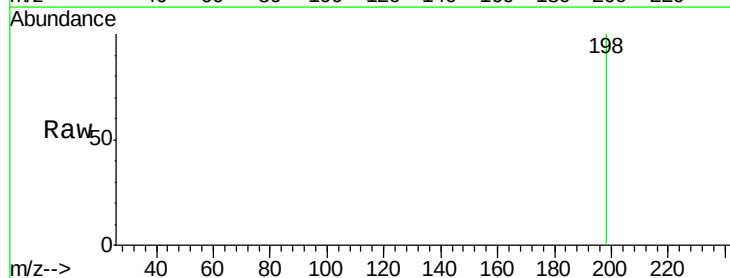
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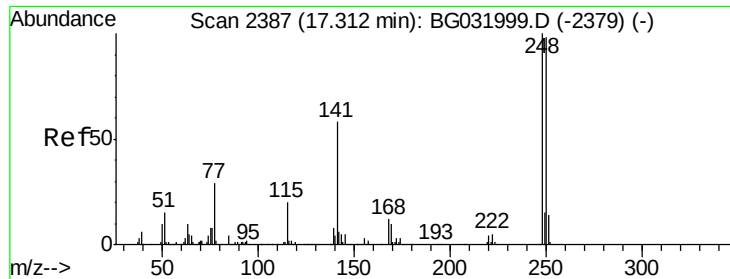
Tot Ion	Ratio	Lower	Upper
188	100		
94	3.9	6.9	10.3#
80	4.7	7.7	11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.919 ng
 RT: 16.56 min Scan# 2258
 Delta R.T. 0.10 min
 Lab File: BG032329.D
 Acq: 26 Jan 2018 14:09

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	30.6	70.6#
105	0.0	23.8	63.8#

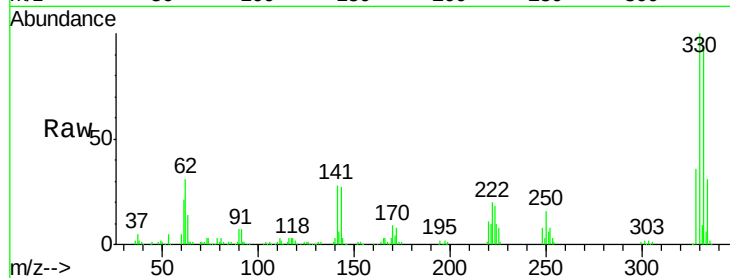




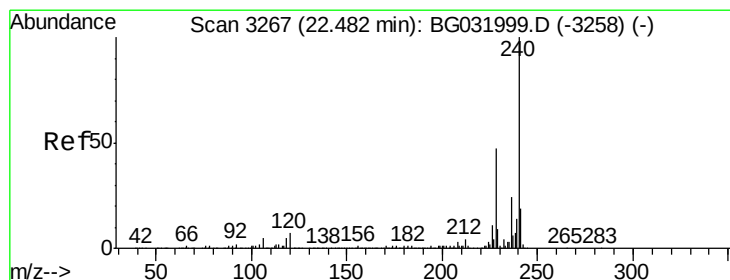
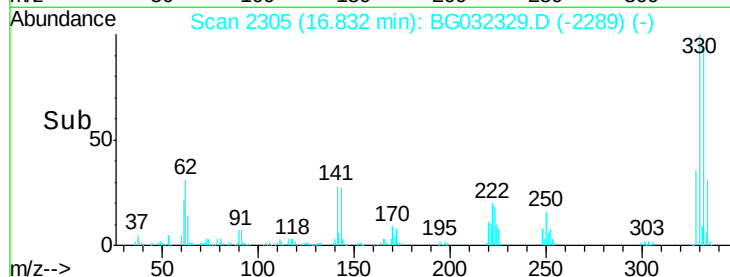
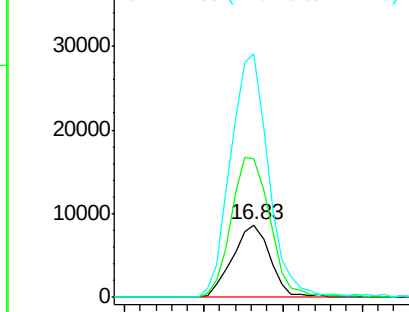
#66
4-Bromophenyl-phenylether
Concen: 3.932 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032329.D
Acq: 26 Jan 2018 14:09

Instrument :
BNA_G
ClientSampleId :
PB106006TB

Tot Ion:248 Resp: 14276
Ion Ratio Lower Upper
248 100
250 191.0 77.1 115.7#
141 335.1 50.8 76.2#

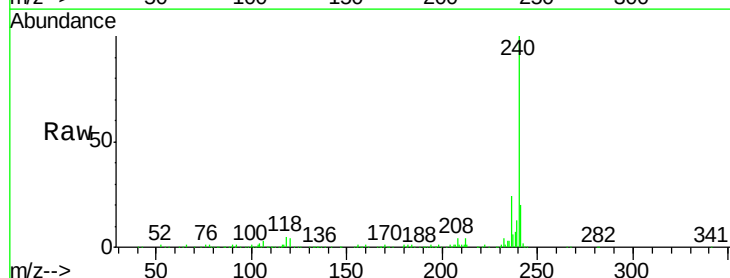


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

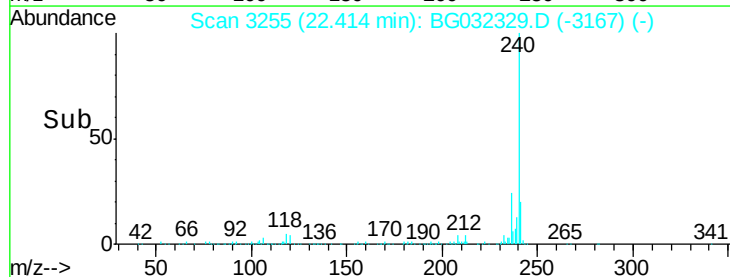
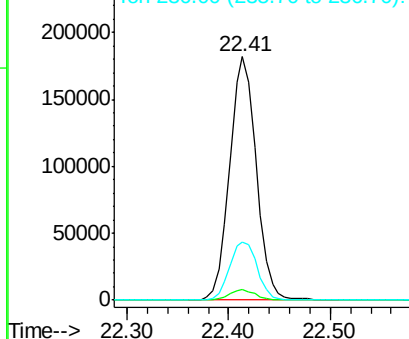


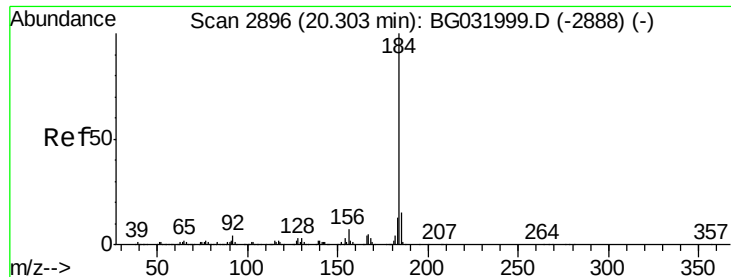
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BG032329.D
Acq: 26 Jan 2018 14:09

Tgt Ion:240 Resp: 330485
Ion Ratio Lower Upper
240 100
120 4.3 6.8 10.2#
236 23.8 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

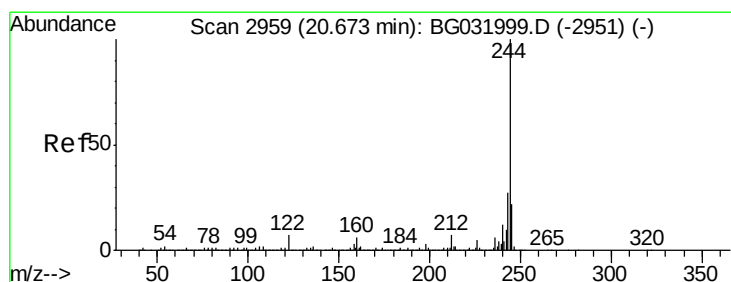
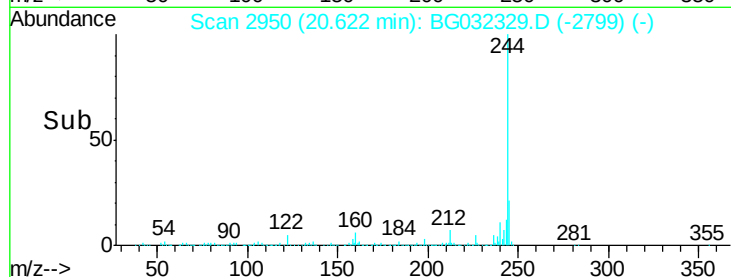
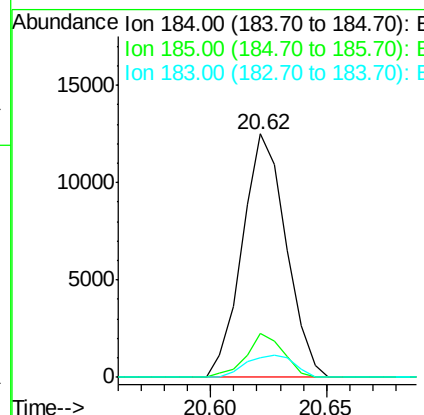
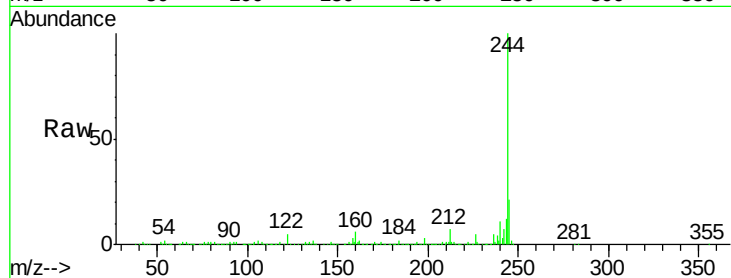




#76
Benzidine
Concen: 2.001 ng
RT: 20.62 min Scan# 2950
Delta R.T. 0.36 min
Lab File: BG032329.D
Acq: 26 Jan 2018 14:09

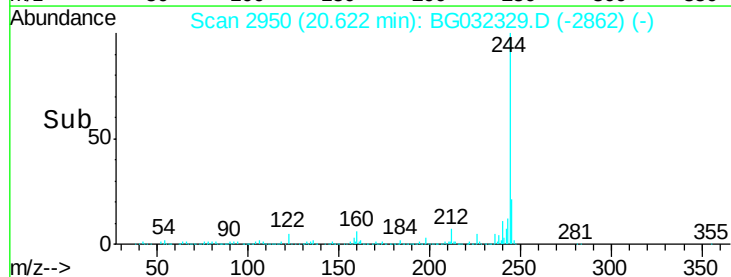
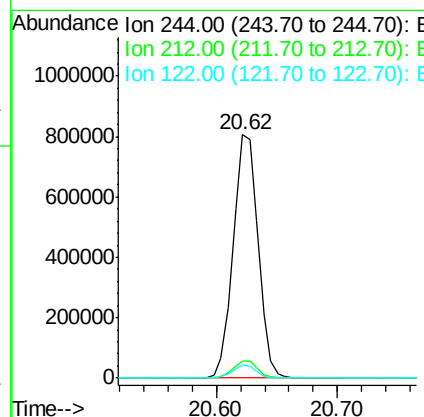
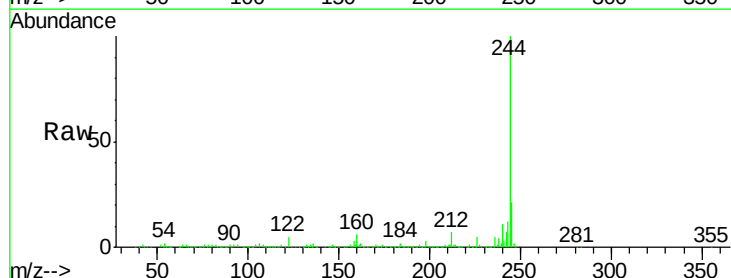
Instrument :
BNA_G
ClientSampleId :
PB106006TB

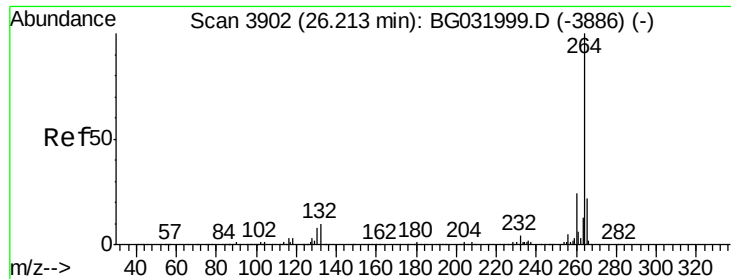
Tot Ion:184 Resp: 16535
Ion Ratio Lower Upper
184 100
185 17.8 11.1 16.7#
183 8.0 10.6 16.0#



#78
Terphenyl-d14
Concen: 77.426 ng
RT: 20.62 min Scan# 2950
Delta R.T. -0.01 min
Lab File: BG032329.D
Acq: 26 Jan 2018 14:09

Tgt Ion:244 Resp: 1158864
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 5.3 7.0 10.4#

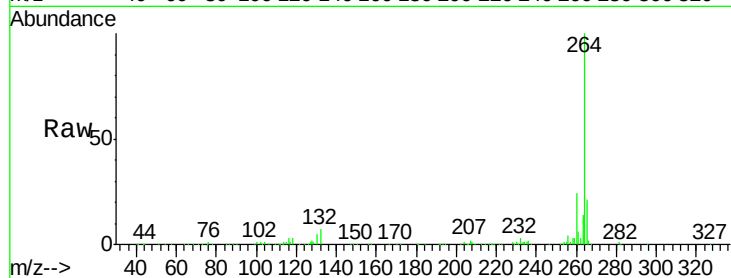




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3882
 Delta R.T. -0.01 min
 Lab File: BG032329.D
 Acq: 26 Jan 2018 14:09

Instrument :
 BNA_G
 ClientSampleId :
 PB106006TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	21.2	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

