

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\
 Data File : BG032062.D
 Acq On : 16 Jan 2018 10:28
 Operator : SJ/JU
 Sample : PB105650BL
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 11:02:00 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

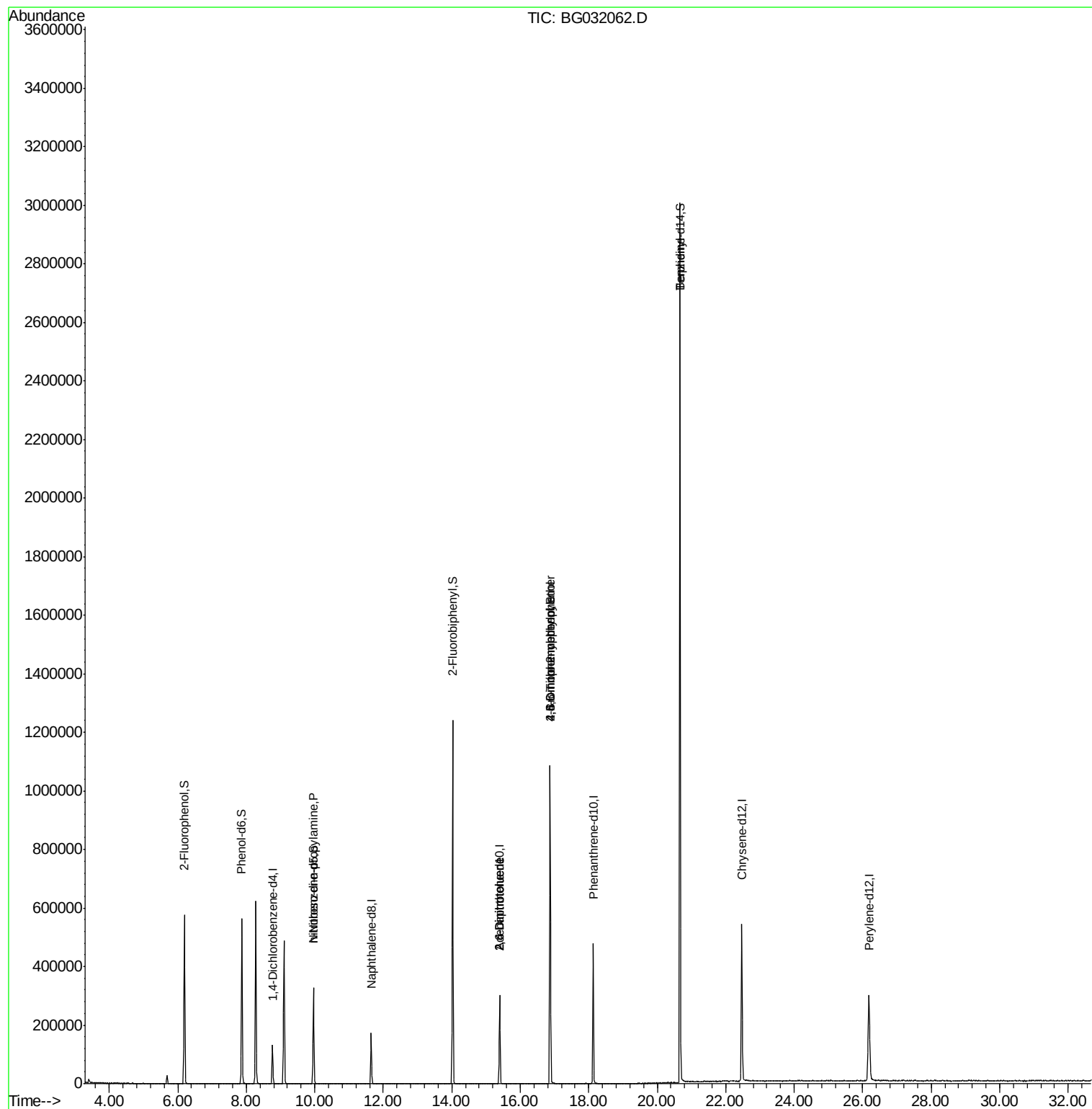
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.76	152	44278	20.00	ng	-0.01
21) Naphthalene-d8	11.65	136	169871	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	114009	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	323295	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	410730	20.00	ng	-0.02
86) Perylene-d12	26.18	264	421137	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.19	112	300504	124.13	ng	0.00
7) Phenol-d6	7.87	99	363805	119.32	ng	0.00
23) Nitrobenzene-d5	9.96	82	210300	83.76	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	253010	134.11	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	753093	81.91	ng	0.00
78) Terphenyl-d14	20.66	244	1589024	85.42	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.96	70	28626	15.131	ng	# 73
50) 2,6-Dinitrotoluene	15.40	165	14886	7.188	ng	# 18
56) 2,4-Dinitrotoluene	15.40	165	14886	5.339	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.87	198	597	5.143	ng	# 1
66) 4-Bromophenyl-phenylether	16.87	248	21338	4.639	ng	# 1
76) Benzidine	20.66	184	21745	2.117	ng	# 90

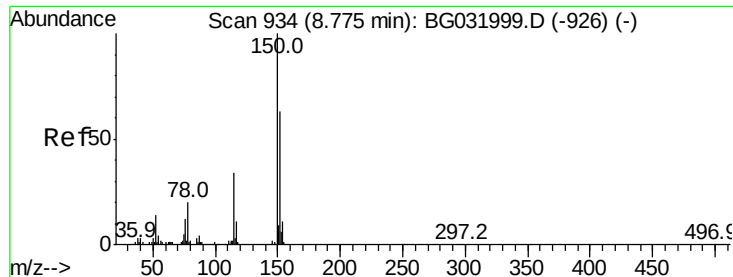
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Jan 16 11:02:00 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.76 min Scan# 932

Delta R.T. -0.01 min

Lab File: BG032062.D

Acq: 16 Jan 2018 10:28

Instrument :

BNA_G

ClientSampleId :

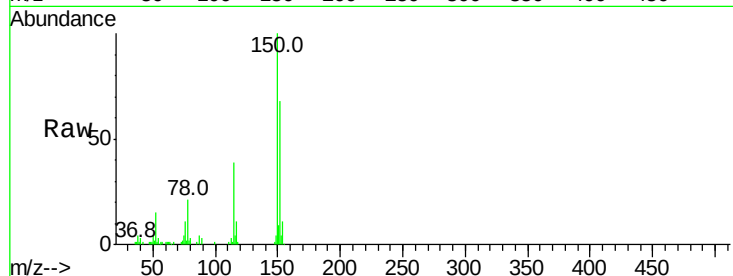
Tot Ion:152 Resp: 44278

Ion Ratio Lower Upper

152 100

150 146.9 126.6 189.8

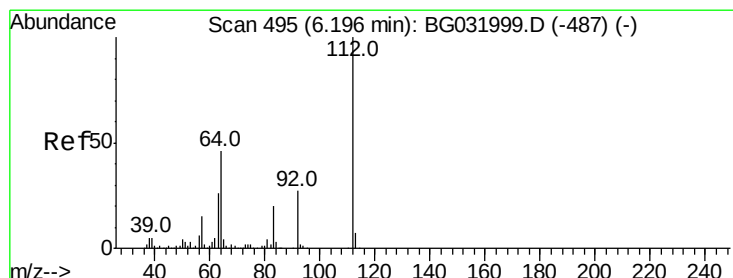
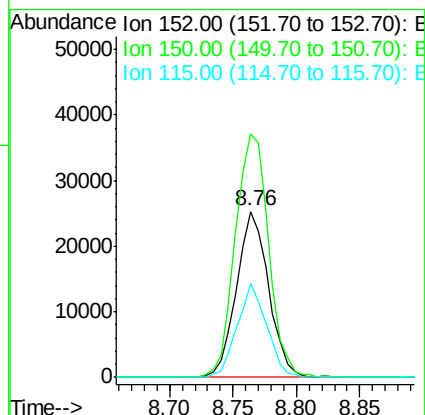
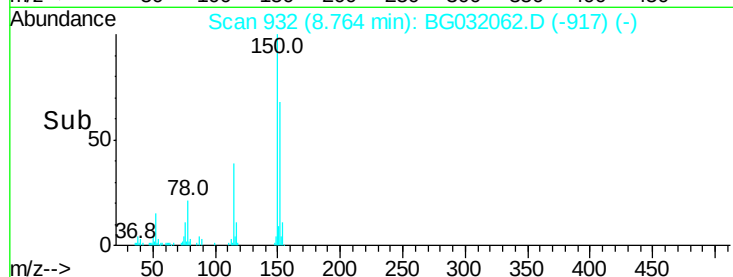
115 56.7 53.0 79.4



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



#5

2-Fluorophenol

Concen: 124.125 ng

RT: 6.19 min Scan# 494

Delta R.T. -0.01 min

Lab File: BG032062.D

Acq: 16 Jan 2018 10:28

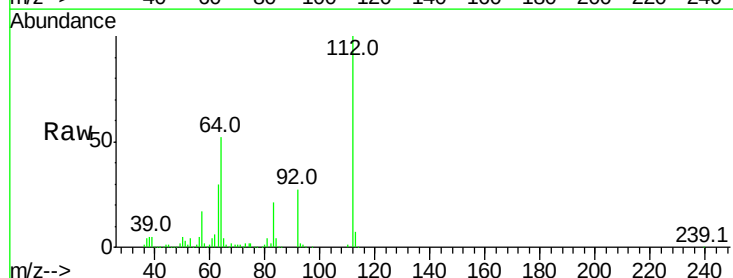
Tgt Ion:112 Resp: 300504

Ion Ratio Lower Upper

112 100

64 52.0 56.3 84.5#

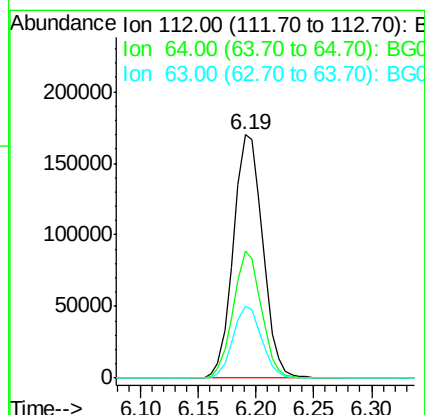
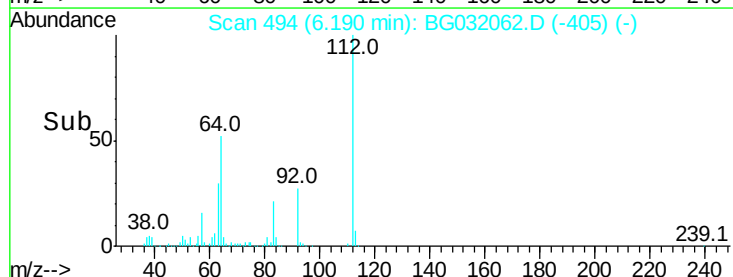
63 29.7 30.1 45.1#

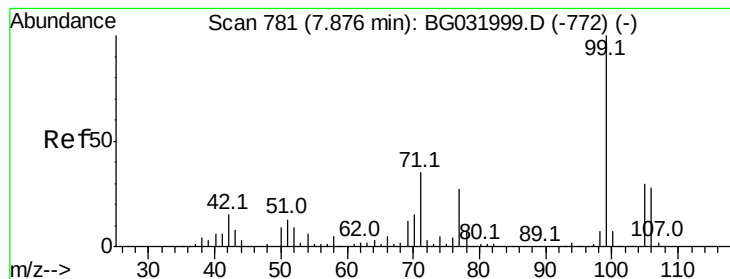


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 119.317 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032062.D

Acq: 16 Jan 2018 10:28

Instrument :

BNA_G

ClientSampleId :

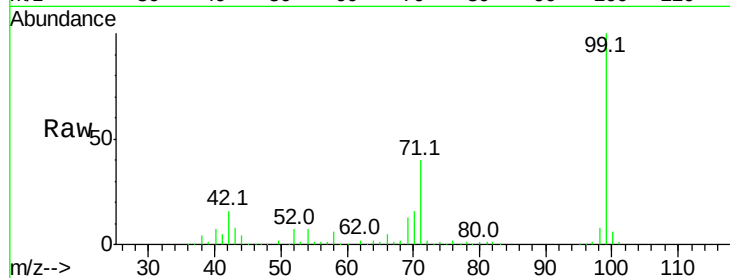
Tot Ion: 99 Resp: 363805

Ion Ratio Lower Upper

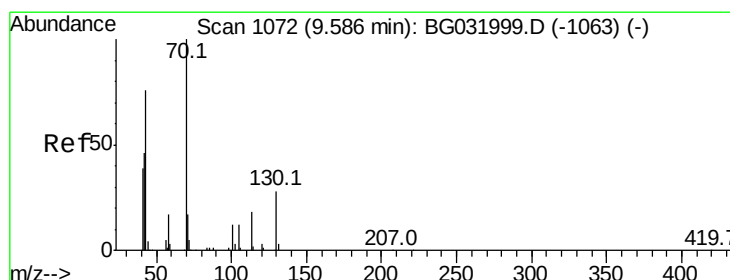
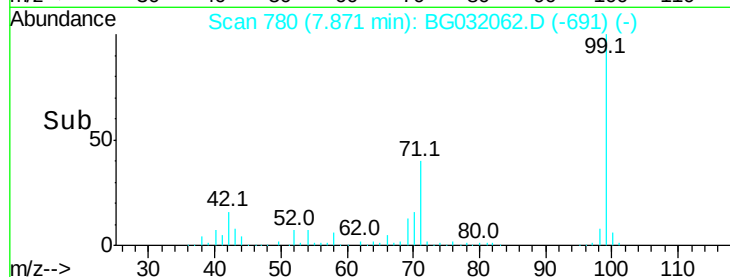
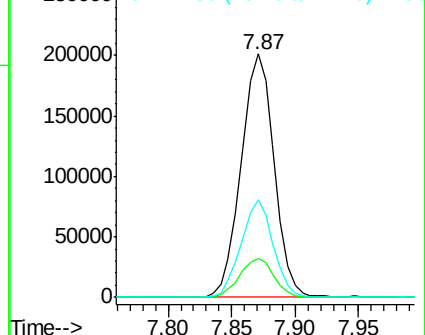
99 100

42 16.0 14.1 21.1

71 39.9 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: 15.131 ng

RT: 9.96 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032062.D

Acq: 16 Jan 2018 10:28

Tgt Ion: 70 Resp: 28626

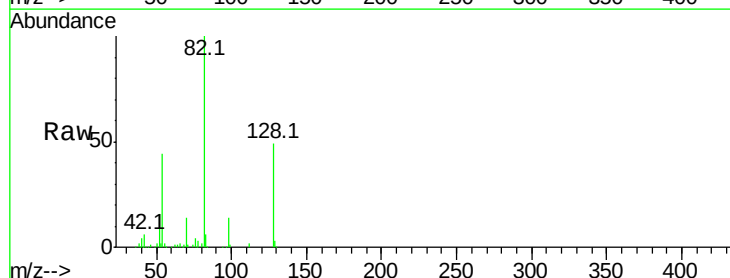
Ion Ratio Lower Upper

70 100

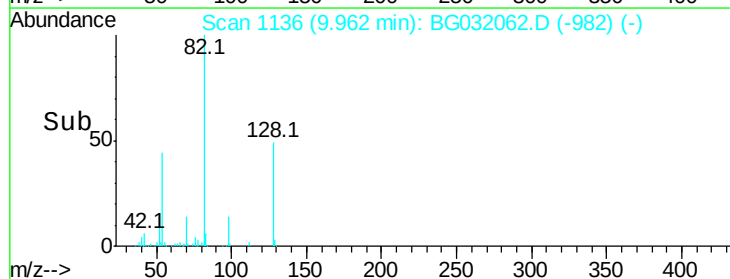
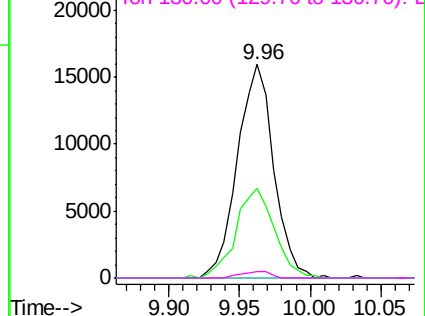
42 42.3 49.1 73.7#

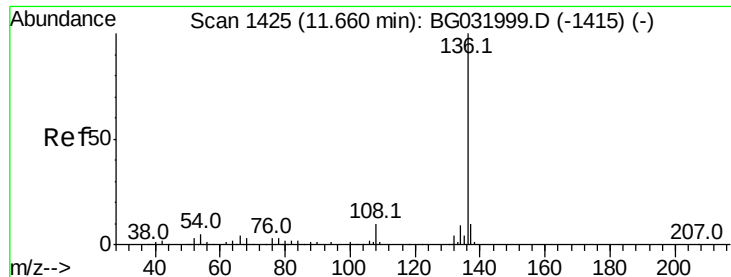
101 0.0 8.5 12.7#

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

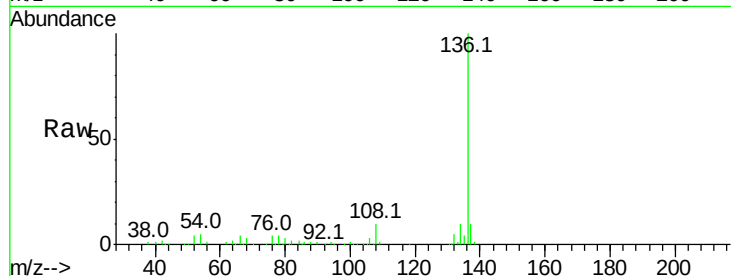




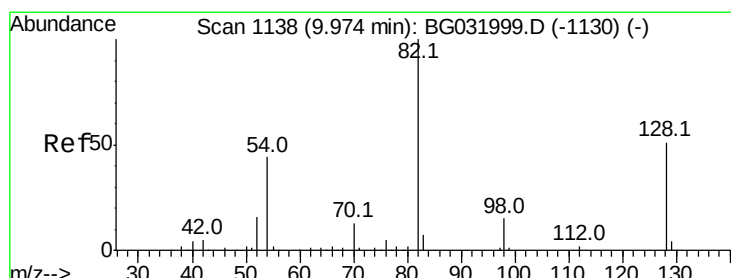
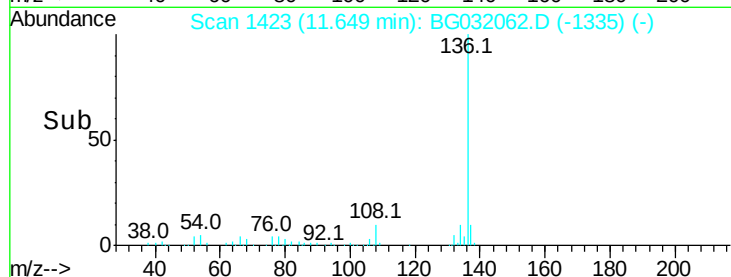
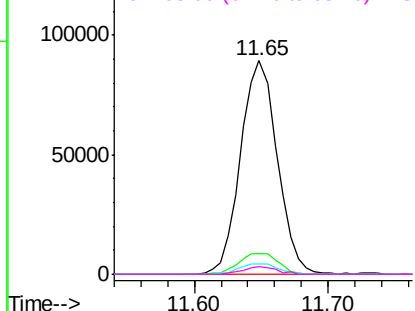
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032062.D
Acq: 16 Jan 2018 10:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	169871
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	4.7	10.3	15.5#
68	3.4	4.5	6.7#

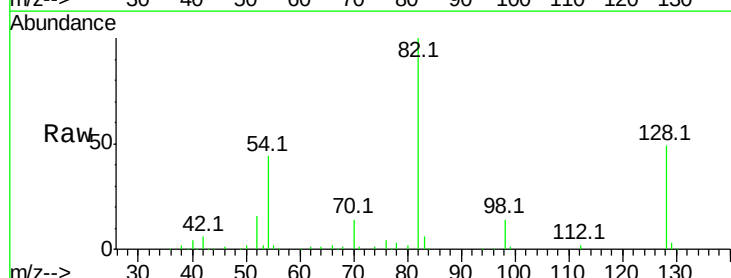


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

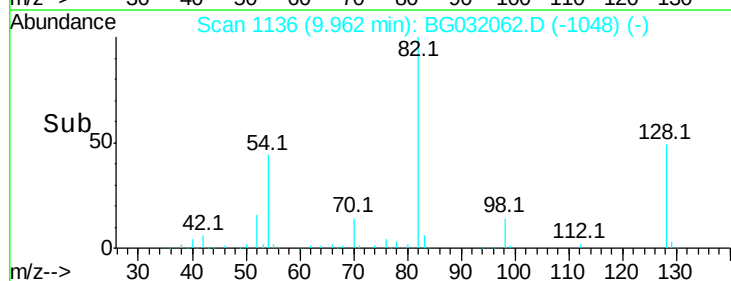
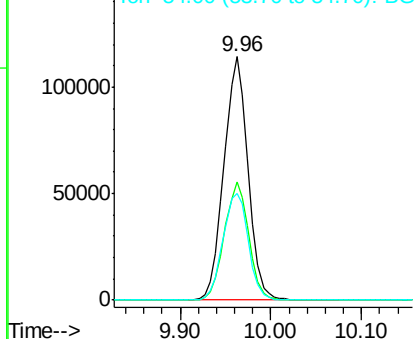


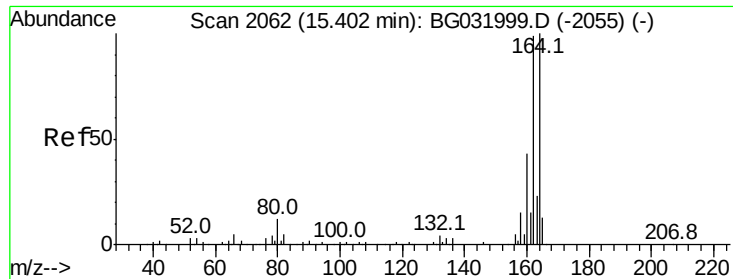
#23
Nitrobenzene-d5
Concen: 83.756 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032062.D
Acq: 16 Jan 2018 10:28

Tgt Ion:	82	Resp:	210300
Ion	Ratio	Lower	Upper
82	100		
128	48.8	29.7	44.5#
54	43.6	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

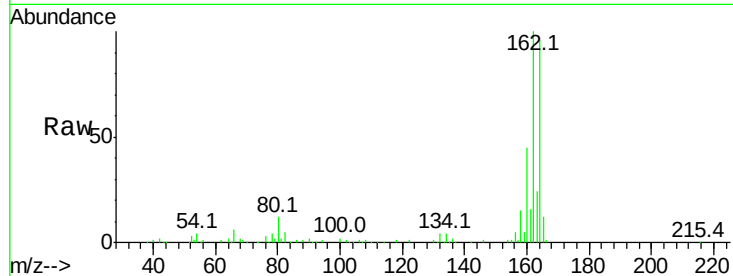




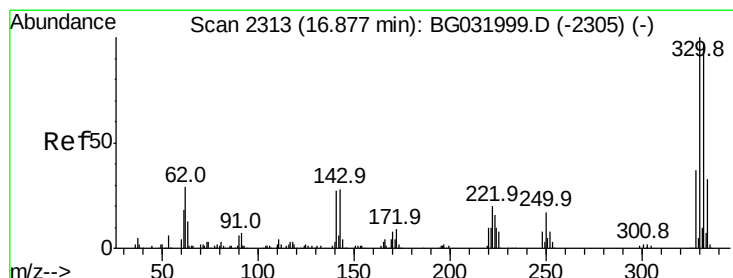
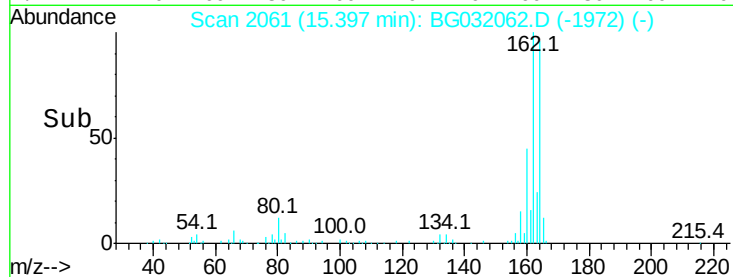
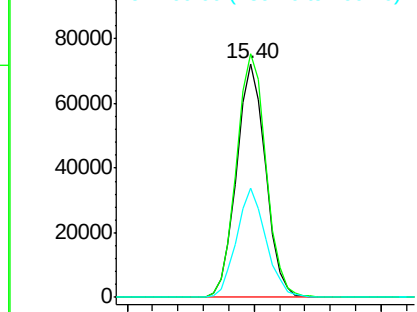
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG032062.D
Acq: 16 Jan 2018 10:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 114009
Ion Ratio Lower Upper
164 100
162 104.1 78.8 118.2
160 46.9 35.4 53.0

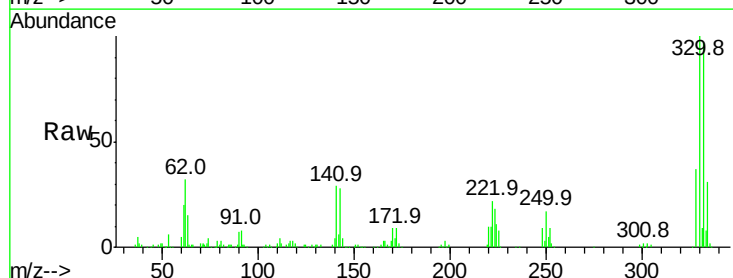


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

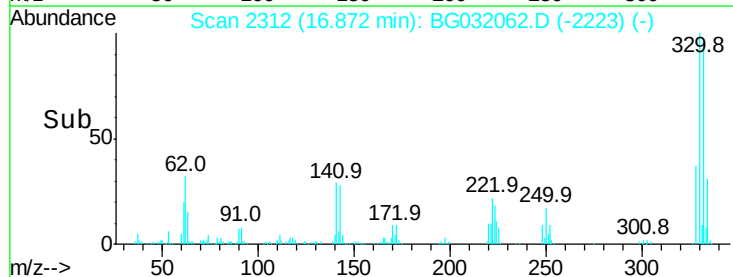
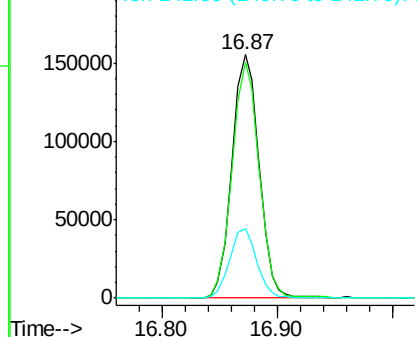


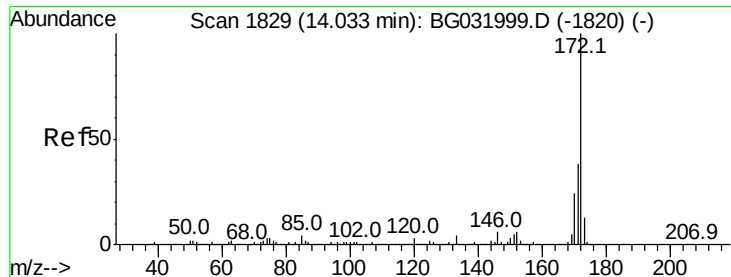
#41
2,4,6-Tribromophenol
Concen: 134.110 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BG032062.D
Acq: 16 Jan 2018 10:28

Tgt Ion:330 Resp: 253010
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 28.6 25.2 37.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

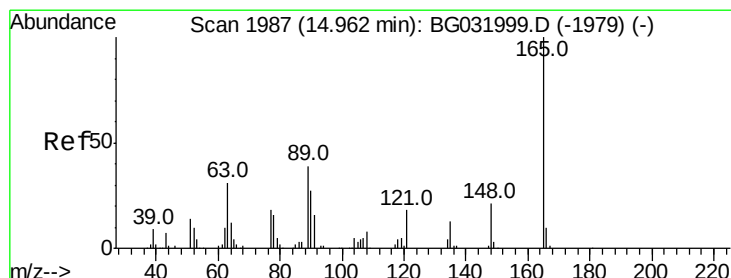
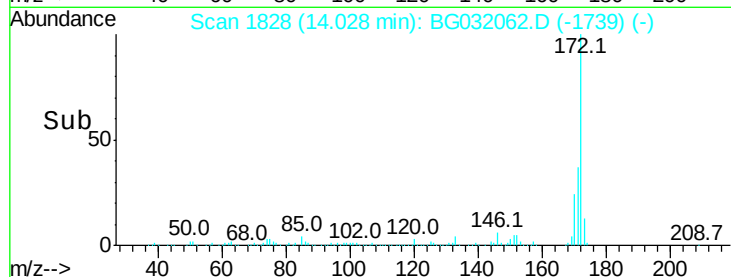
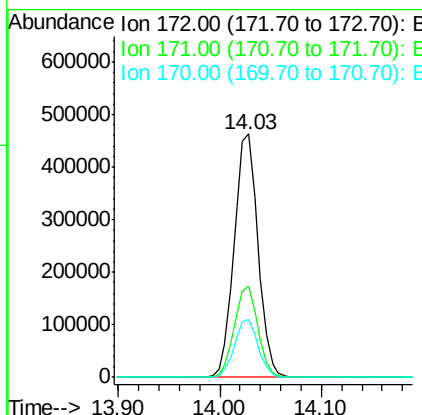
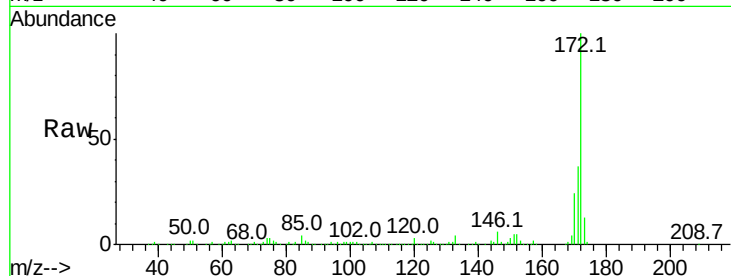




#44
 2-Fluorobiphenyl
 Concen: 81.906 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BG032062.D
 Acq: 16 Jan 2018 10:28

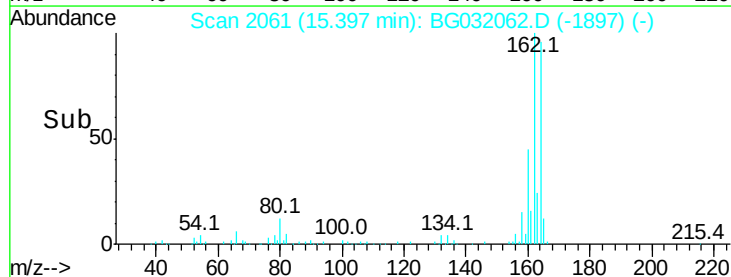
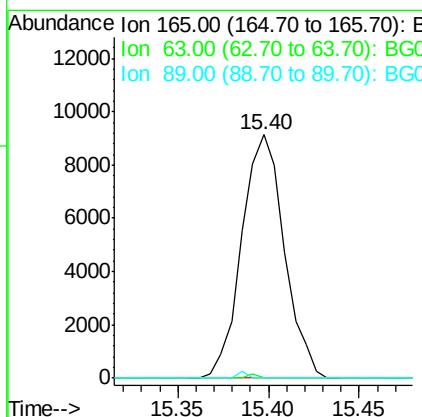
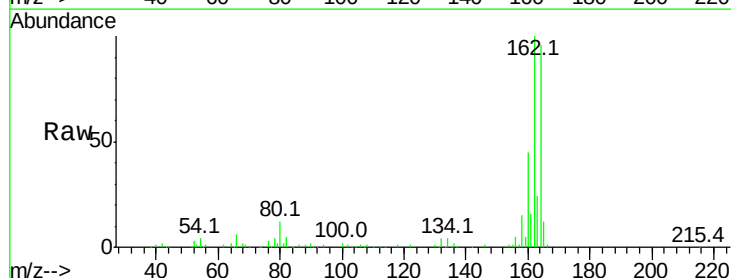
Instrument :
 BNA_G
 ClientSampled :

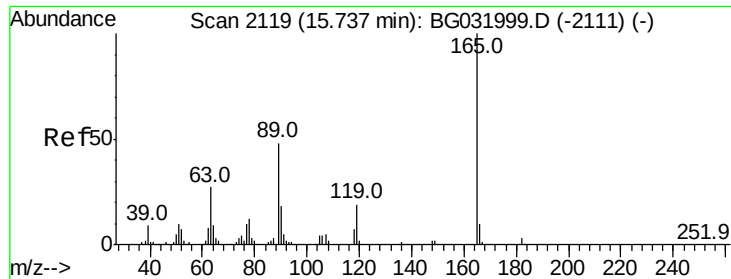
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	23.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.188 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. 0.44 min
 Lab File: BG032062.D
 Acq: 16 Jan 2018 10:28

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

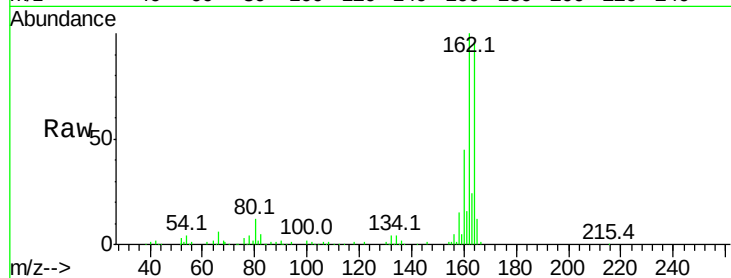




#56
 2,4-Dinitrotoluene
 Concen: 5.339 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032062.D
 Acq: 16 Jan 2018 10:28

Instrument :
 BNA_G
 ClientSampled :

Tot 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#

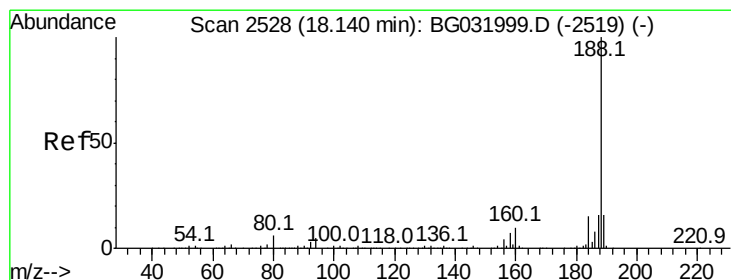
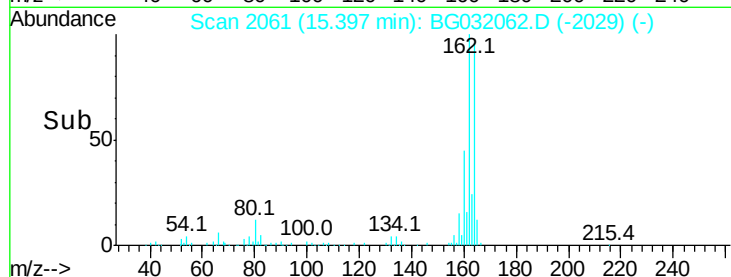
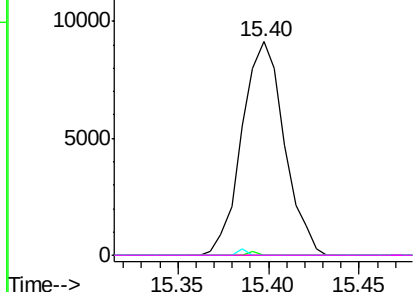


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

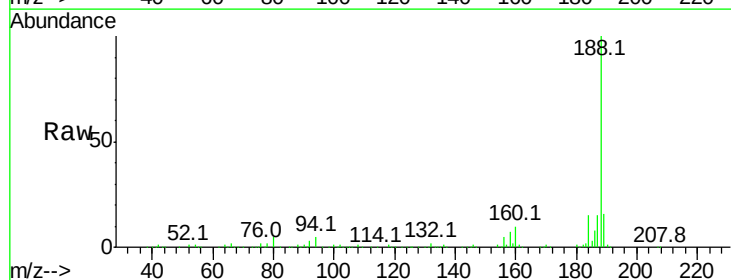
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG032062.D
 Acq: 16 Jan 2018 10:28

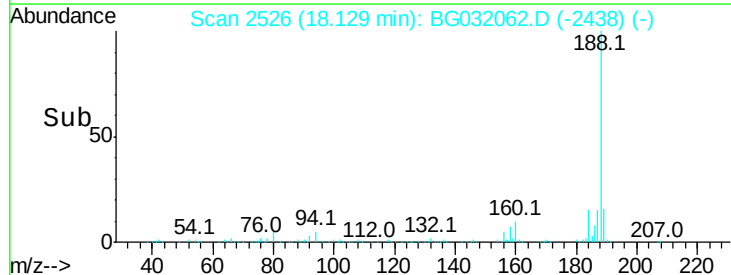
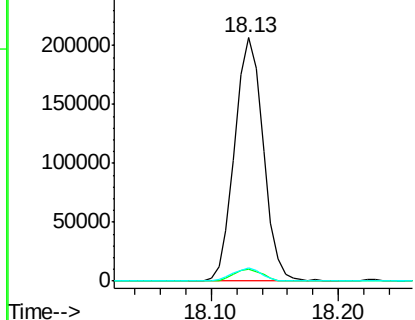
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.9	6.9	10.3#
80	5.4	7.7	11.5#

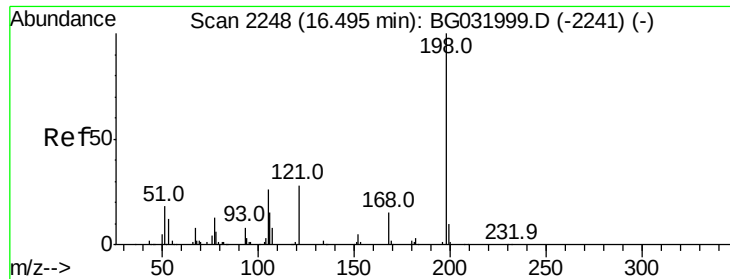


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

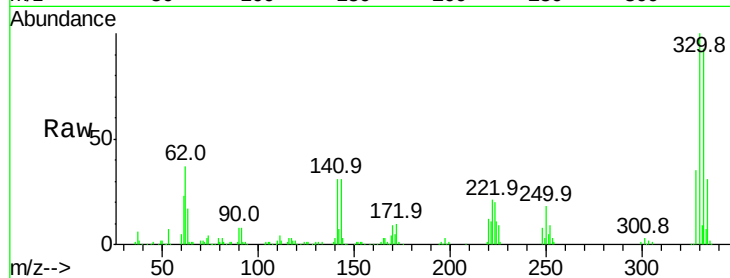




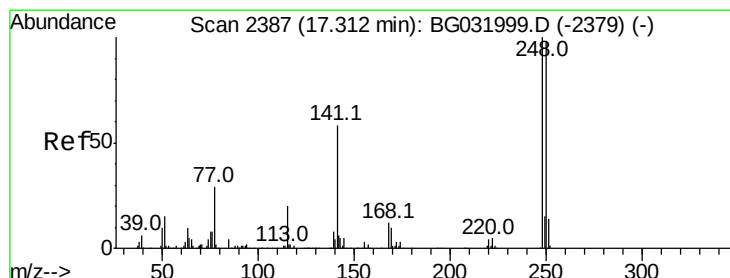
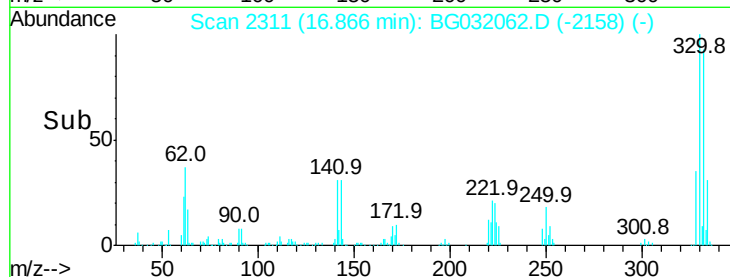
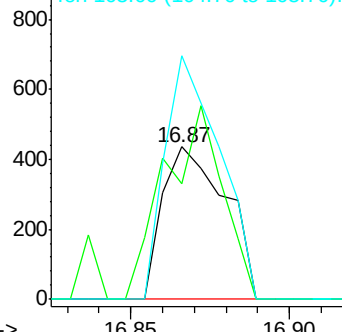
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.143 ng
 RT: 16.87 min Scan# 2311
 Delta R.T. 0.37 min
 Lab File: BG032062.D
 Acq: 16 Jan 2018 10:28

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 597
 Ion Ratio Lower Upper
 198 100
 51 75.9 30.6 70.6#
 105 160.0 23.8 63.8#

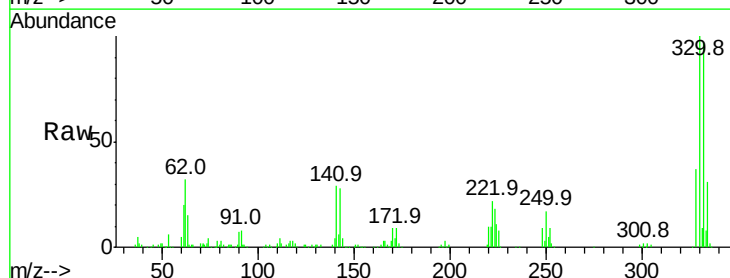


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

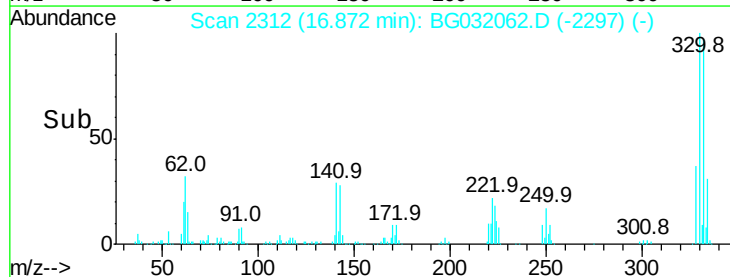
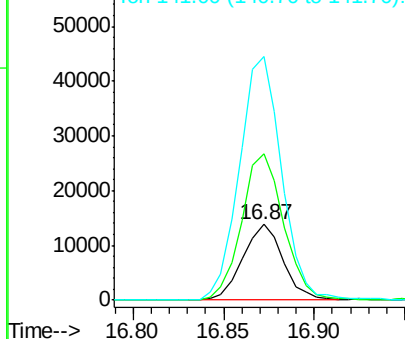


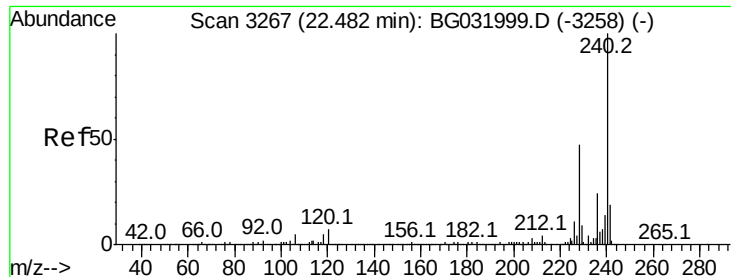
#66
 4-Bromophenyl-phenylether
 Concen: 4.639 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032062.D
 Acq: 16 Jan 2018 10:28

Tgt Ion:248 Resp: 21338
 Ion Ratio Lower Upper
 248 100
 250 193.9 77.1 115.7#
 141 322.9 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: 22.47 min Scan# 3264

Delta R.T. -0.02 min

Lab File: BG032062.D

Acq: 16 Jan 2018 10:28

Instrument :

BNA_G

ClientSampled :

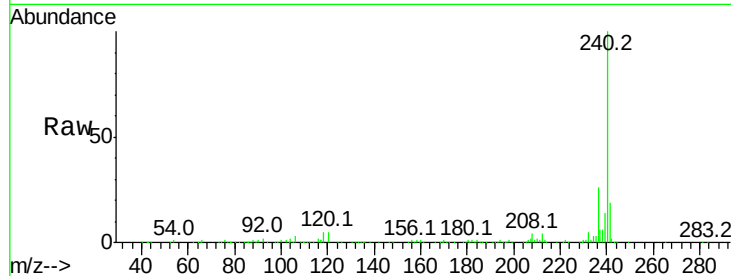
Tot Ion:240 Resp: 410730

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

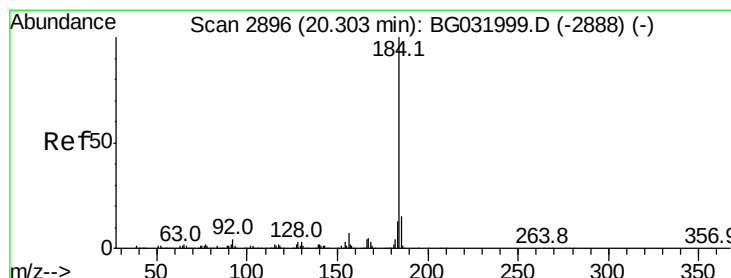
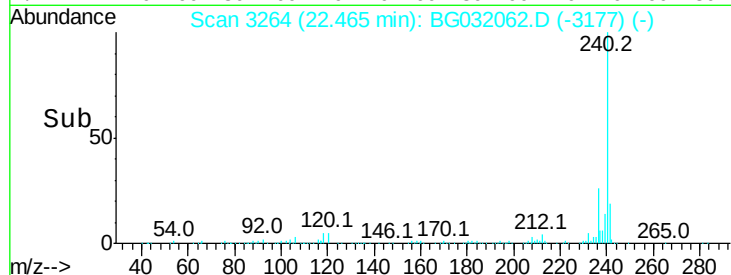
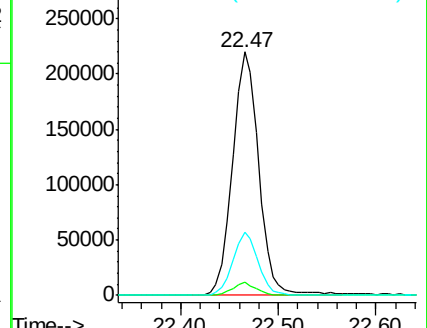
236 25.7 20.9 31.3



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: 2.117 ng

RT: 20.66 min Scan# 2957

Delta R.T. 0.36 min

Lab File: BG032062.D

Acq: 16 Jan 2018 10:28

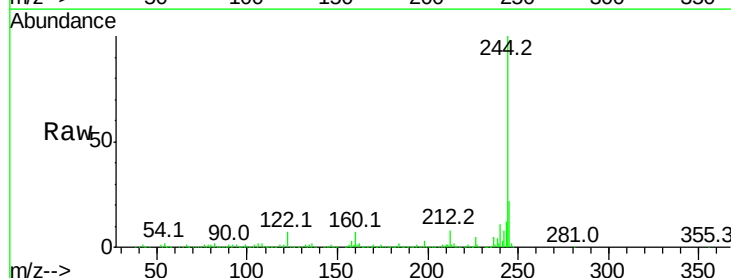
Tgt Ion:184 Resp: 21745

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

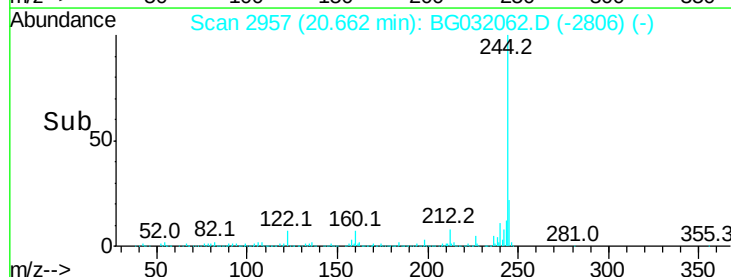
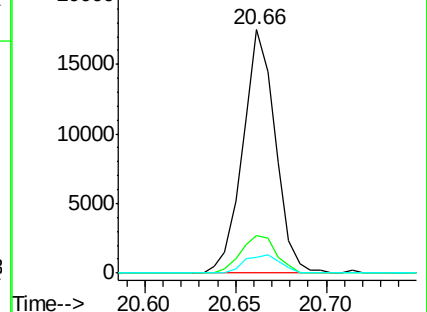
183 6.6 10.6 16.0#

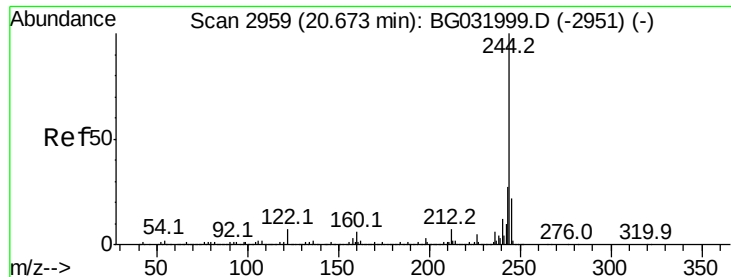


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 85.424 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032062.D

Acq: 16 Jan 2018 10:28

Instrument :

BNA_G

ClientSampleId :

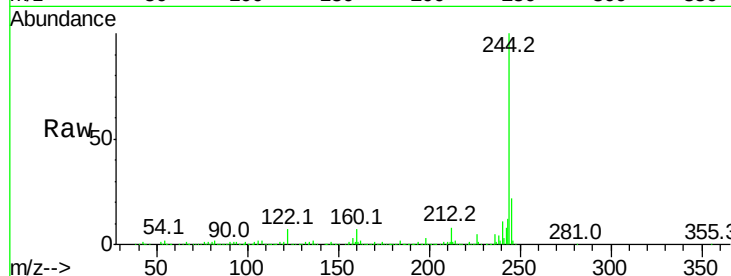
Tot Ion:244 Resp: 1589024

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

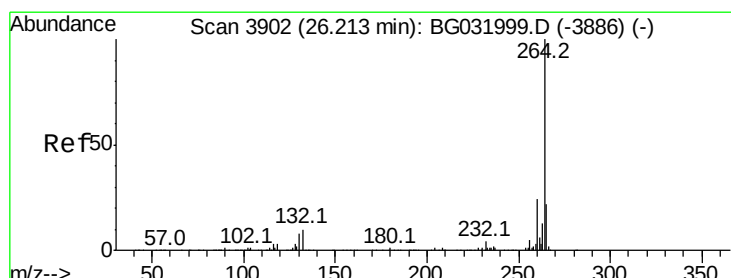
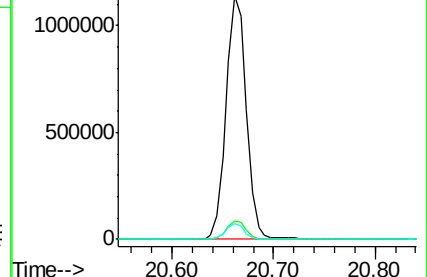
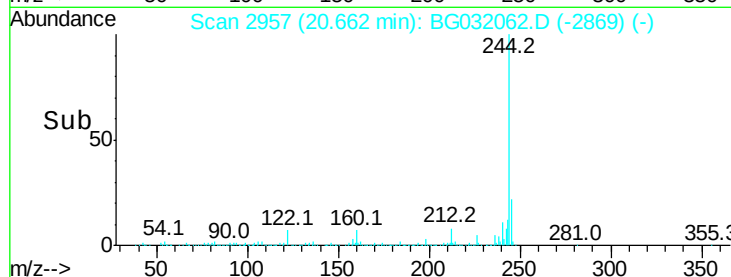
122 6.6 7.0 10.4#



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: 26.18 min Scan# 3897

Delta R.T. -0.03 min

Lab File: BG032062.D

Acq: 16 Jan 2018 10:28

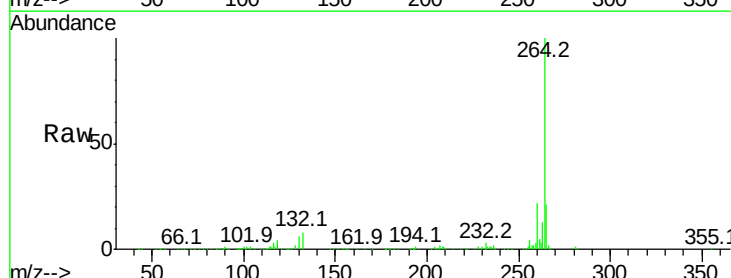
Tgt Ion:264 Resp: 421137

Ion Ratio Lower Upper

264 100

260 22.5 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

