

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031740.D
 Acq On : 23 Dec 2017 9:32
 Operator : SJ/JU
 Sample : I7040-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PZ-4

Quant Time: Dec 25 04:44:33 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

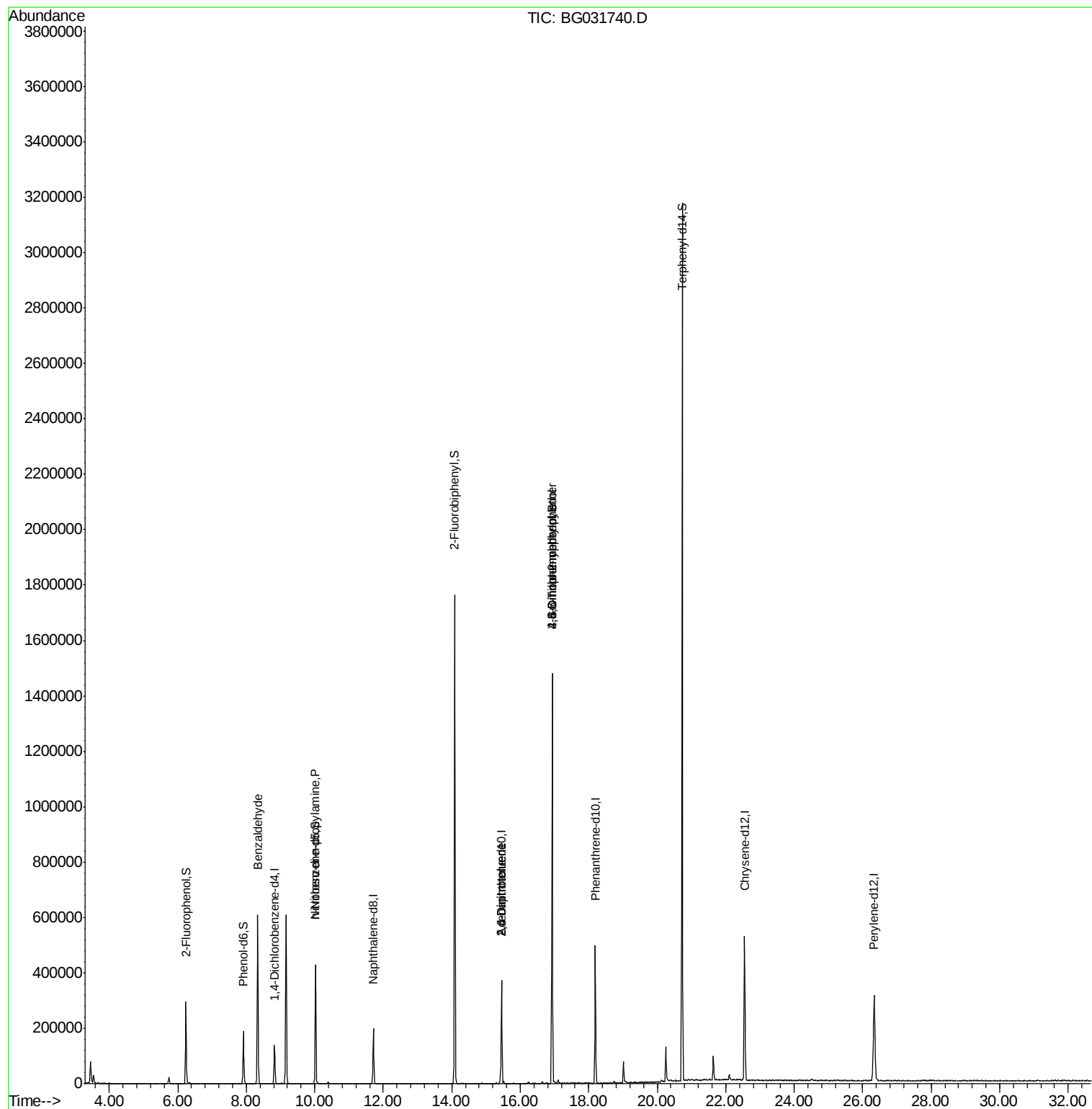
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	47883	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	201668	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	140037	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	349229	20.00	ng	0.00
75) Chrysene-d12	22.55	240	398139	20.00	ng	-0.02
86) Perylene-d12	26.33	264	424115	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	166417	63.30	ng	0.00
7) Phenol-d6	7.92	99	132004	38.67	ng	0.00
23) Nitrobenzene-d5	10.02	82	280899	105.18	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	355384	166.32	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	1064040	95.37	ng	0.00
78) Terphenyl-d14	20.73	244	1712870	98.29	ng	0.00
Target Compounds						
9) Benzaldehyde	8.33	77	7870	3.829	ng	94
19) n-Nitroso-di-n-propylamine	10.03	70	36977	15.863	ng	# 69
50) 2,6-Dinitrotoluene	15.46	165	18159	8.001	ng	# 19
56) 2,4-Dinitrotoluene	15.46	165	18159	6.223	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.93	198	908	8.748	ng	# 29
66) 4-Bromophenyl-phenylether	16.93	248	26521	5.252	ng	# 1

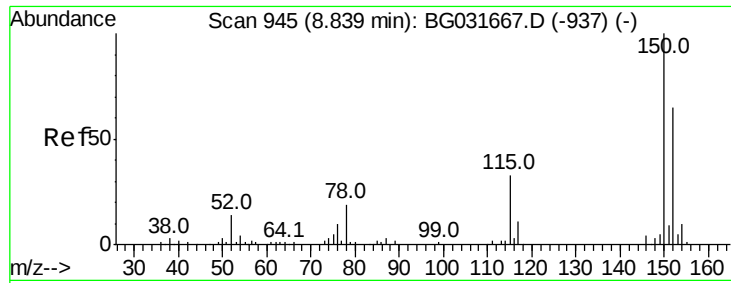
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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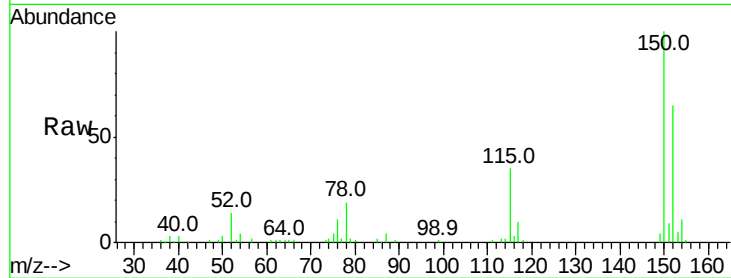


#1

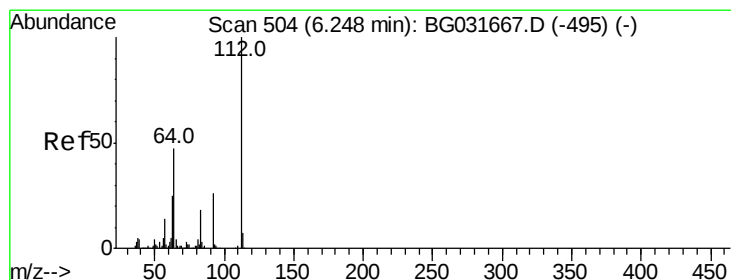
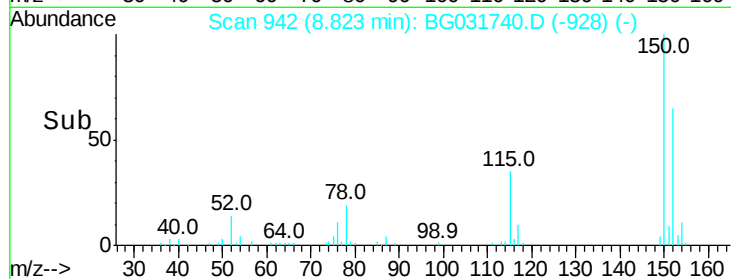
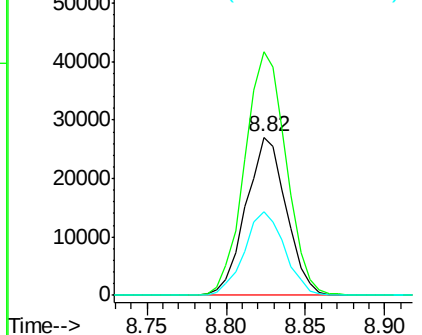
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.82 min Scan# 942
Delta R.T. -0.02 min
Lab File: BG031740.D
Acq: 23 Dec 2017 9:32

Instrument :
BNA_G
ClientSampleId :
PZ-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.6	189.8
115	53.2	53.0	79.4



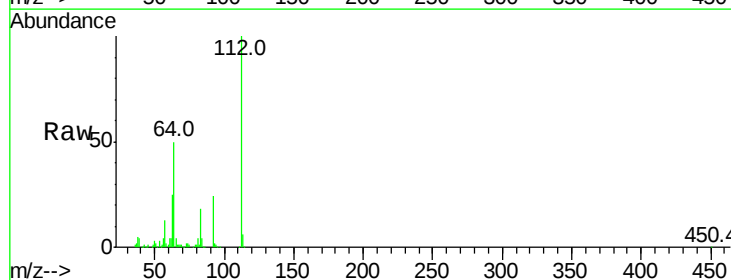
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



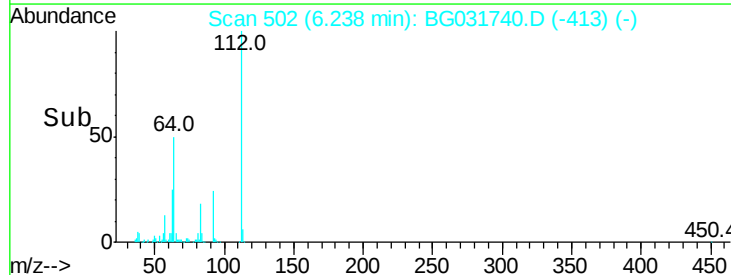
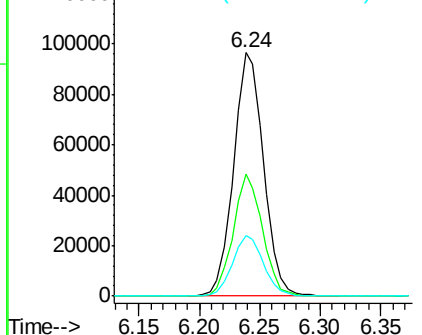
#5

2-Fluorophenol
Concen: 63.302 ng
RT: 6.24 min Scan# 502
Delta R.T. -0.01 min
Lab File: BG031740.D
Acq: 23 Dec 2017 9:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.0	56.3	84.5#
63	24.7	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: 38.674 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

Instrument :

BNA_G

ClientSampleId :

PZ-4

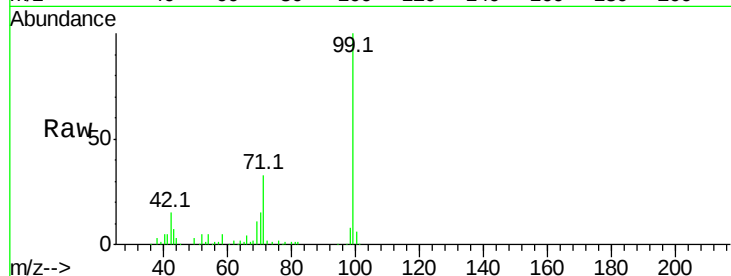
Tot Ion: 99 Resp: 132004

Ion Ratio Lower Upper

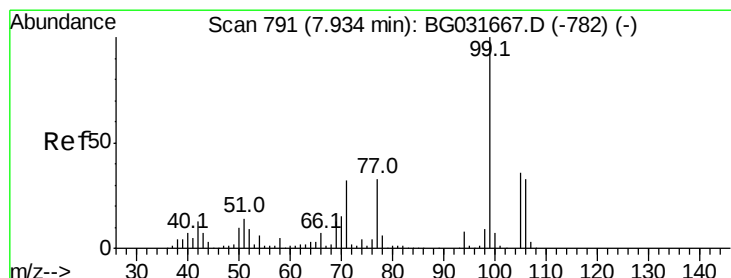
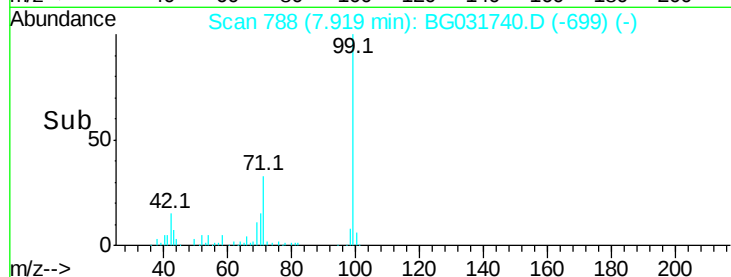
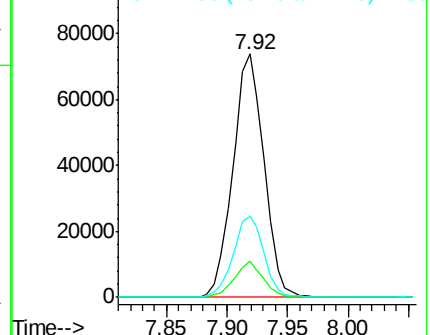
99 100

42 14.7 14.1 21.1

71 33.3 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



#9

Benzaldehyde

Concen: 3.829 ng

RT: 8.33 min Scan# 858

Delta R.T. 0.40 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

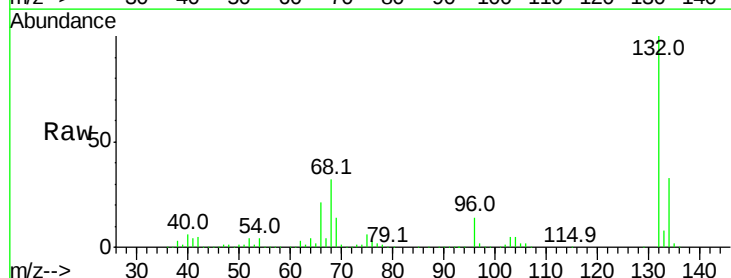
Tgt Ion: 77 Resp: 7870

Ion Ratio Lower Upper

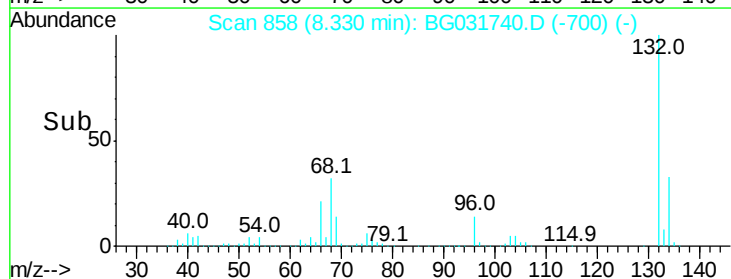
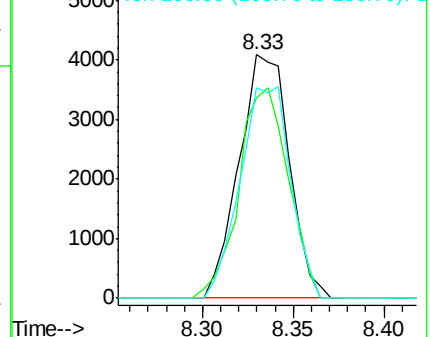
77 100

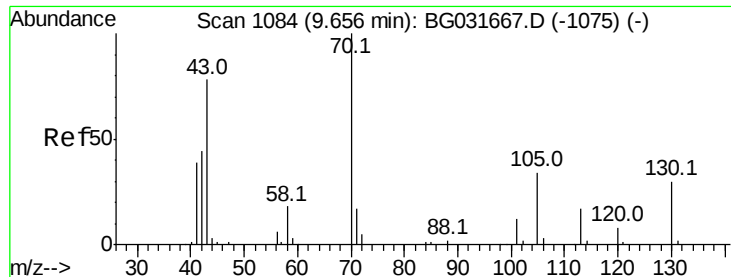
105 82.2 71.3 111.3

106 86.7 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 15.863 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

Instrument :

BNA_G

ClientSampleId :

PZ-4

Tot Ion: 70 Resp: 36977

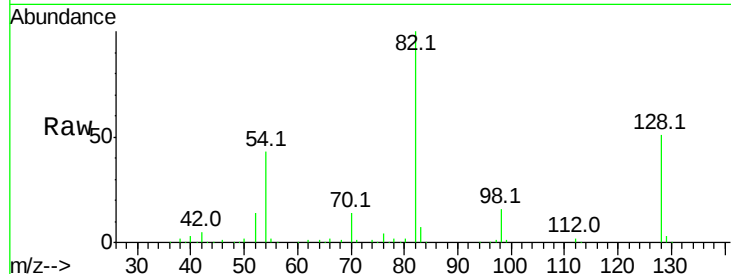
Ion Ratio Lower Upper

70 100

42 37.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

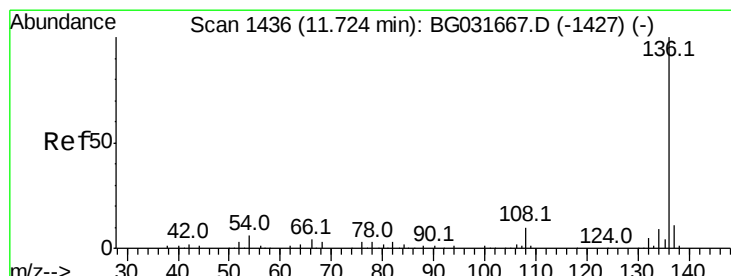
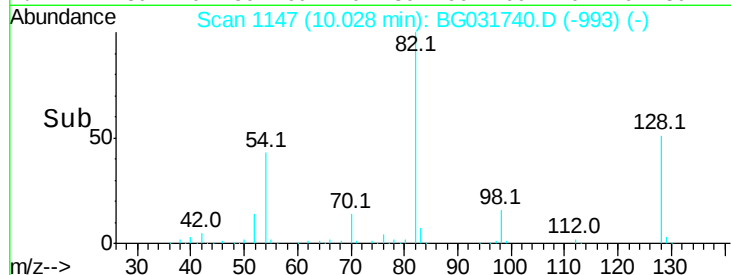
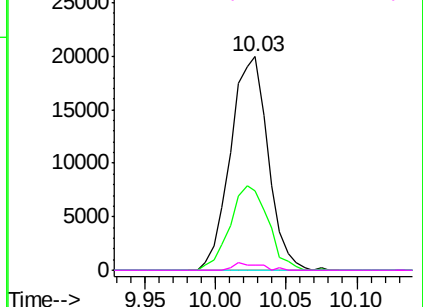


Abundance Ion 70.00 (69.70 to 70.70): BGC

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.71 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

Tgt Ion: 136 Resp: 201668

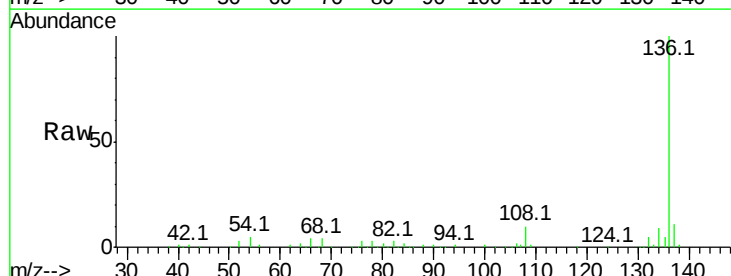
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 4.7 10.3 15.5#

68 3.8 4.5 6.7#

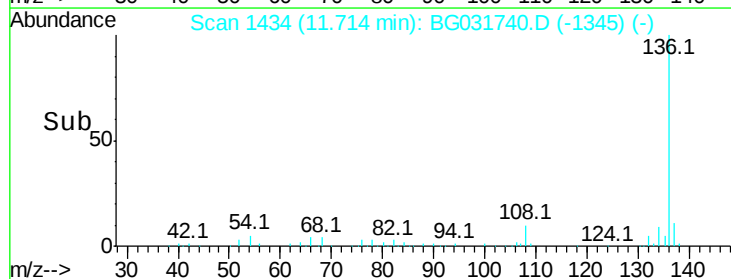
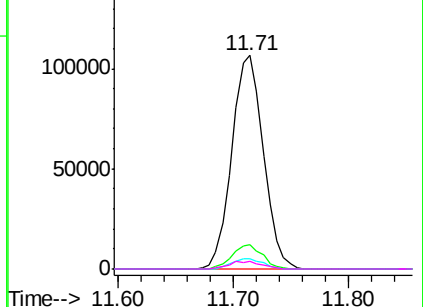


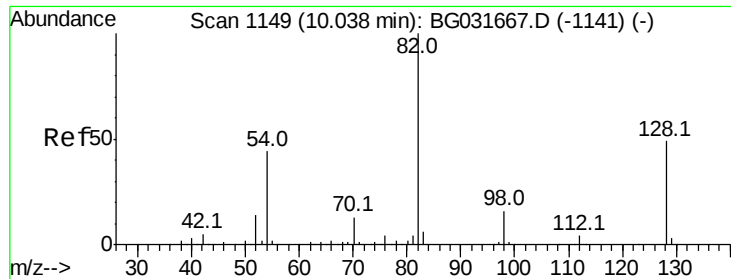
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

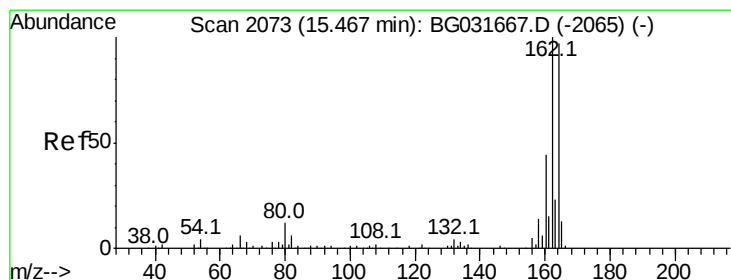
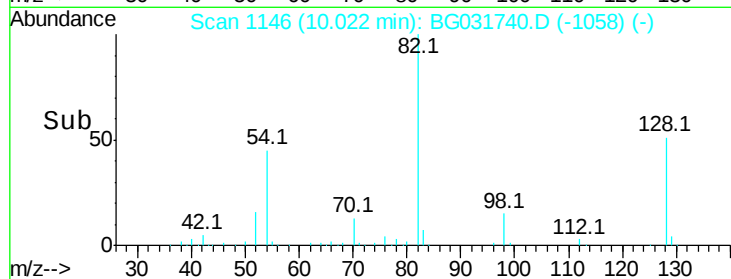
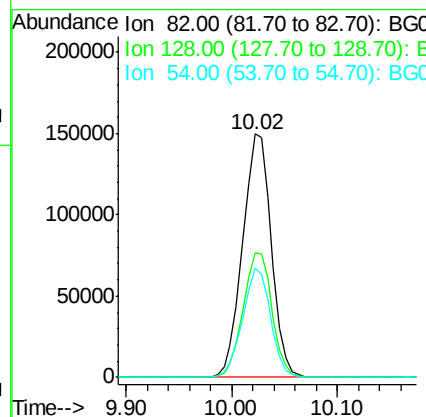
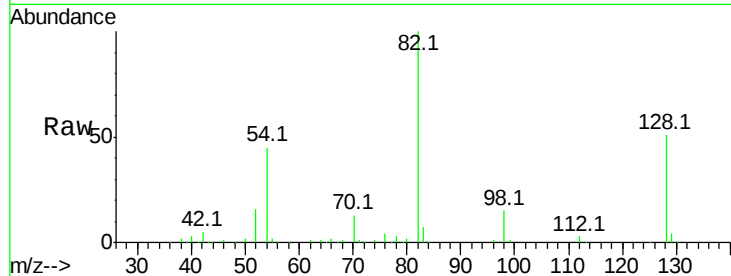




#23
 Nitrobenzene-d5
 Concen: 105.179 ng
 RT: 10.02 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BG031740.D
 Acq: 23 Dec 2017 9:32

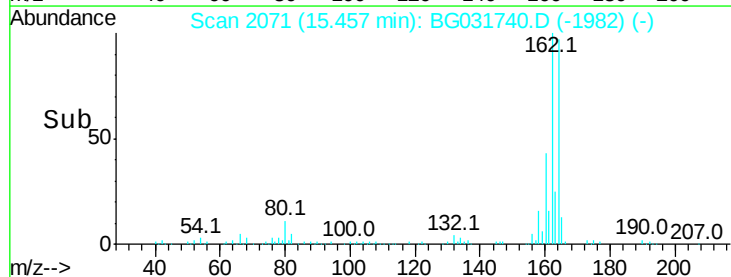
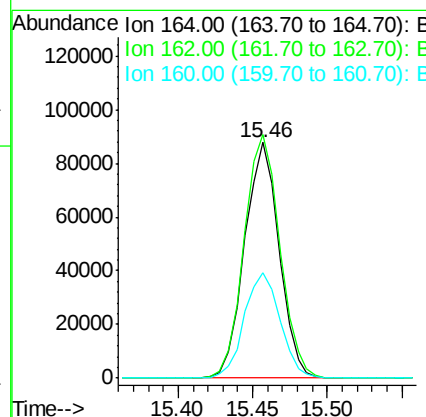
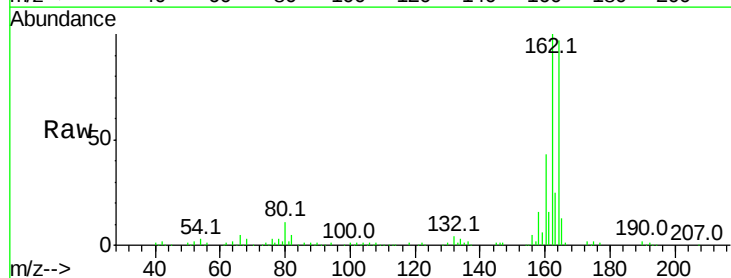
Instrument :
 BNA_G
 ClientSampled :
 PZ-4

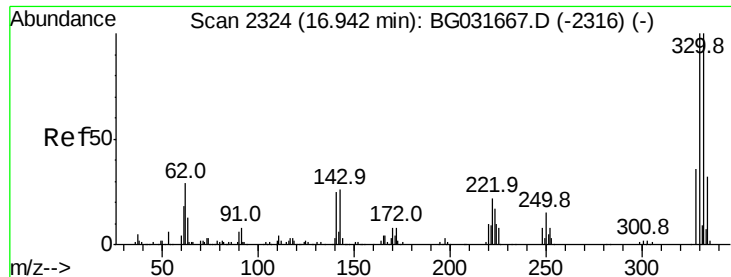
Tot Ion	82	Resp	280899
Ion Ratio	100		
Lower	29.7		
Upper	44.5#		
54	44.7	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: BG031740.D
 Acq: 23 Dec 2017 9:32

Tgt Ion	164	Resp	140037
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>78.8</td> <td></td> <td></td>	78.8		
Upper <td>118.2</td> <td></td> <td></td>	118.2		
162	103.2	35.4	53.0

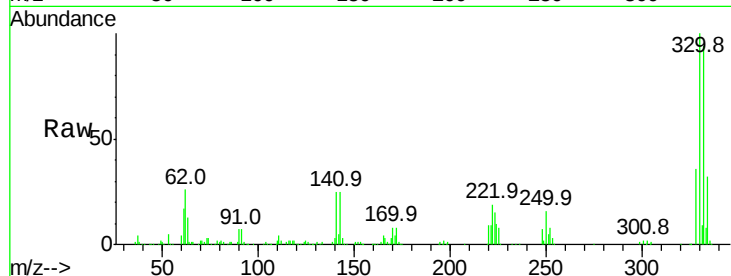




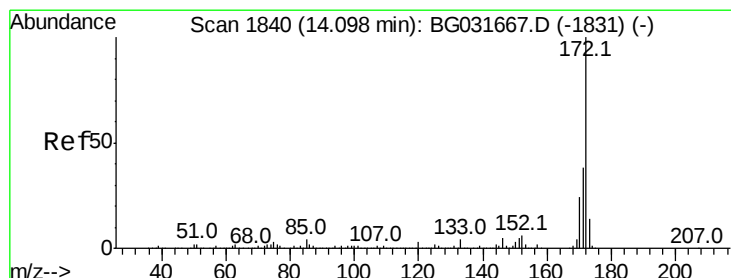
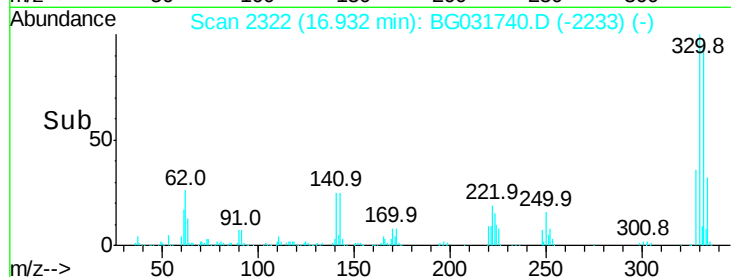
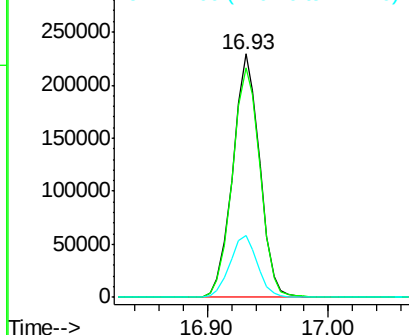
#41
 2,4,6-Tribromophenol
 Concen: 166.318 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BG031740.D
 Acq: 23 Dec 2017 9:32

Instrument :
 BNA_G
 ClientSampleId :
 PZ-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	25.9	25.2	37.8

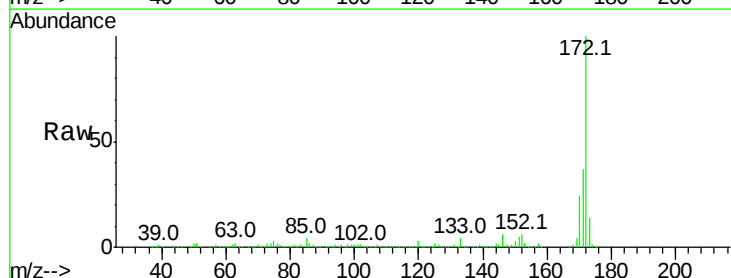


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

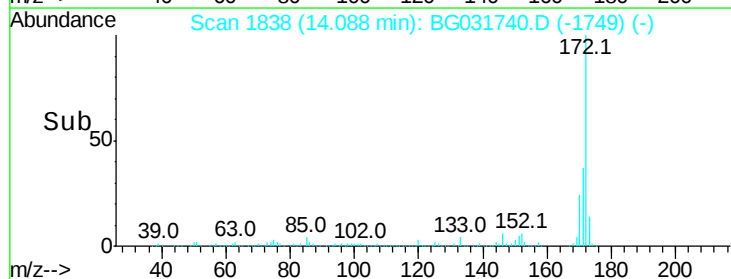
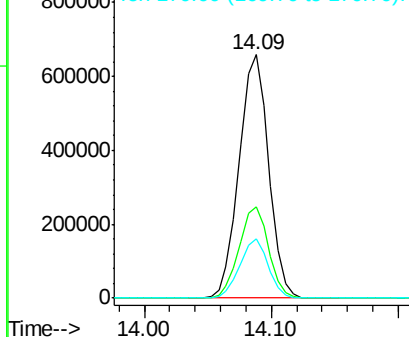


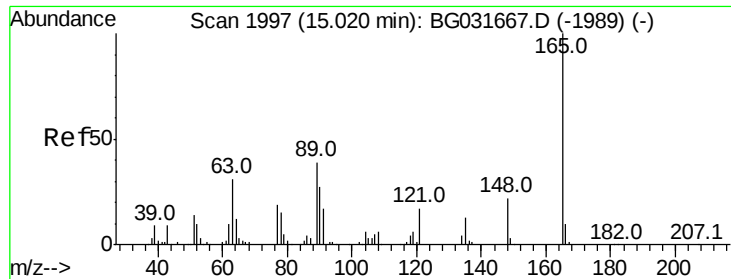
#44
 2-Fluorobiphenyl
 Concen: 95.369 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031740.D
 Acq: 23 Dec 2017 9:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	24.2	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

2,6-Dinitrotoluene

Concen: 8.001 ng

RT: 15.46 min Scan# 2071

Delta R.T. 0.44 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

Instrument :

BNA_G

ClientSampleId :

PZ-4

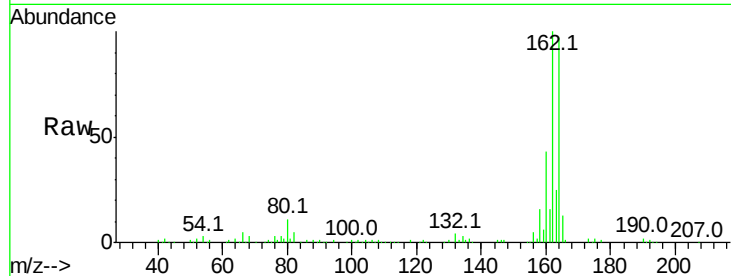
Tot Ion:165 Resp: 18159

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

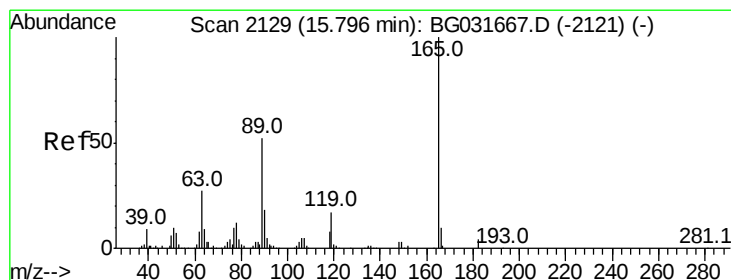
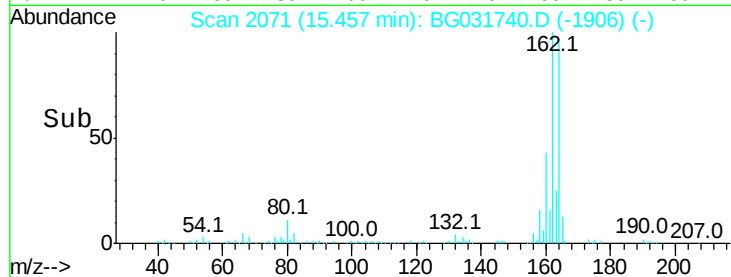
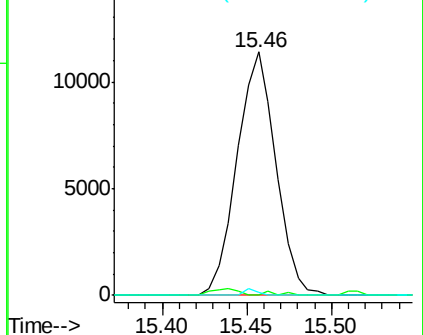
89 1.3 49.2 73.8#



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: 6.223 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.34 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

Tgt Ion:165 Resp: 18159

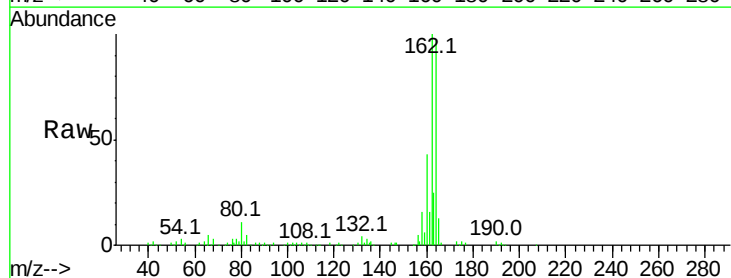
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.3 66.9 100.3#

182 0.0 2.6 3.8#

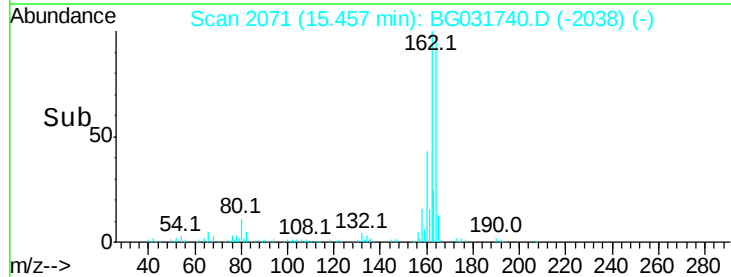
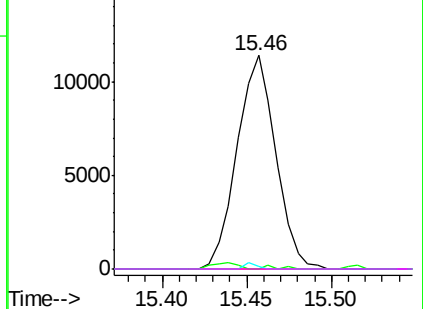


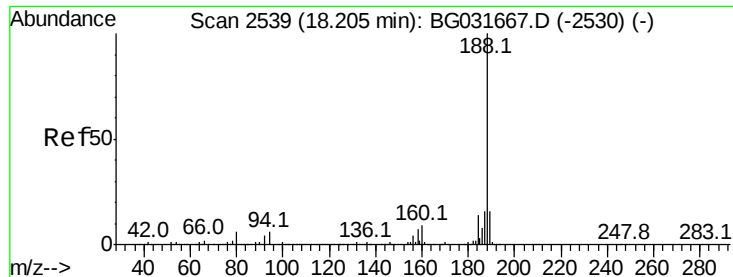
Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

Instrument :

BNA_G

ClientSampled :

PZ-4

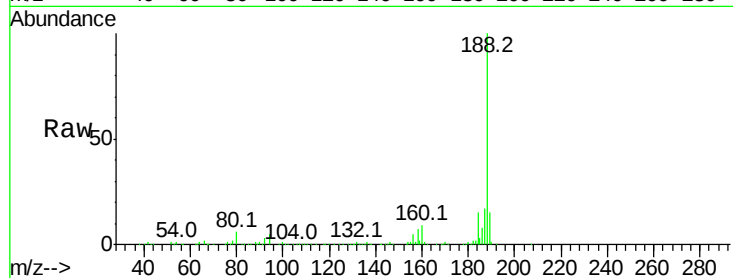
Tot Ion:188 Resp: 349229

Ion Ratio Lower Upper

188 100

94 5.4 6.9 10.3#

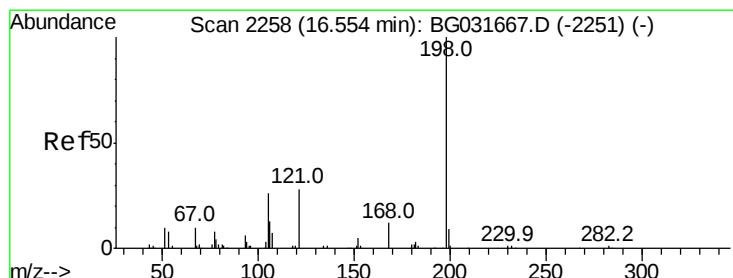
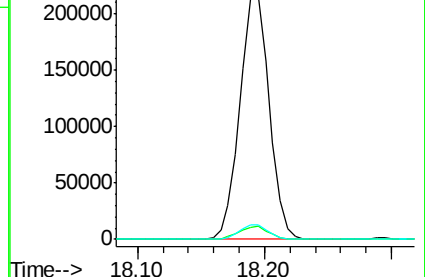
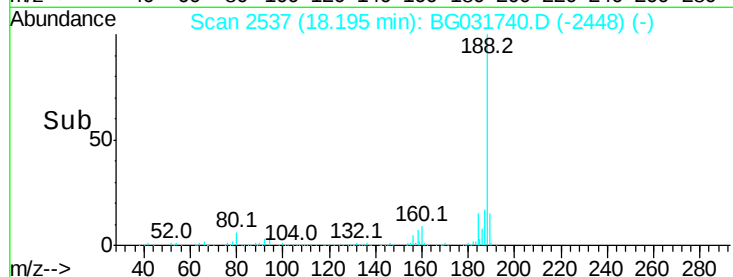
80 6.0 7.7 11.5#



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: 8.748 ng

RT: 16.93 min Scan# 2322

Delta R.T. 0.38 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

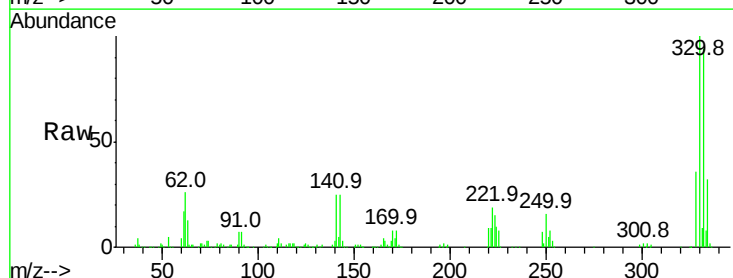
Tgt Ion:198 Resp: 908

Ion Ratio Lower Upper

198 100

51 78.7 30.6 70.6#

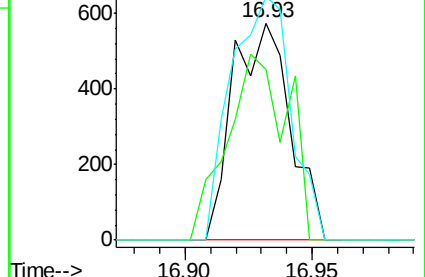
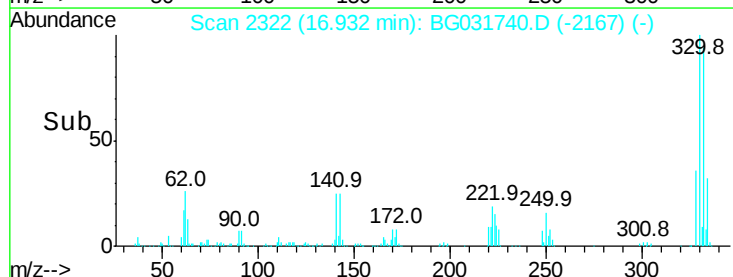
105 112.2 23.8 63.8#

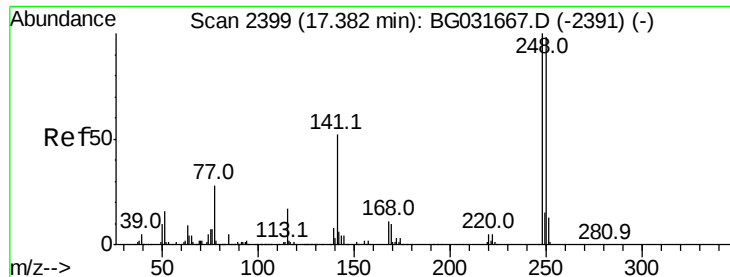


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

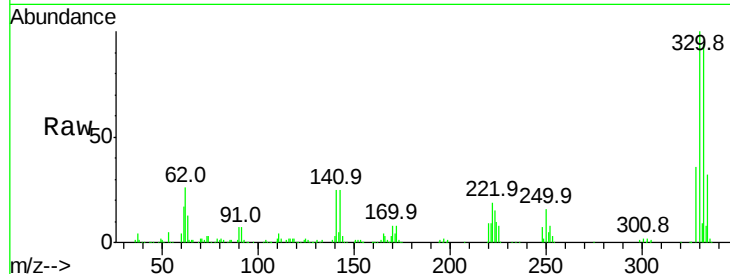




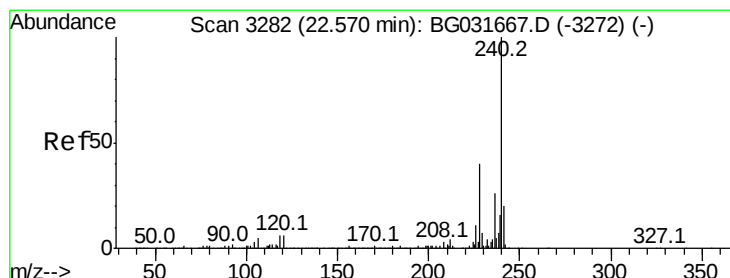
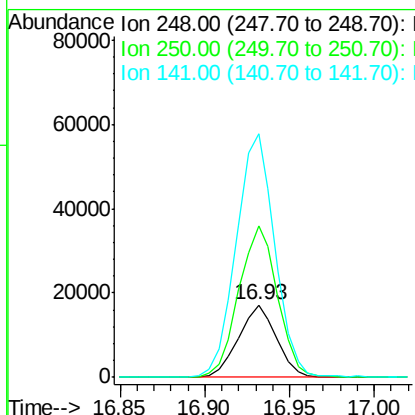
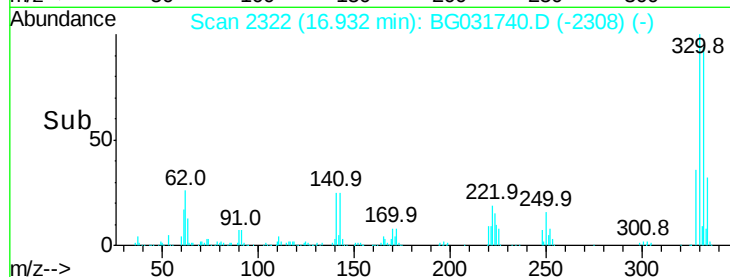
#66
4-Bromophenyl-phenylether
Concen: 5.252 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031740.D
Acq: 23 Dec 2017 9:32

Instrument :
BNA_G
ClientSampleId :
PZ-4

Tot Ion:248 Resp: 26521
Ion Ratio Lower Upper
248 100
250 208.8 77.1 115.7#
141 337.0 50.8 76.2#

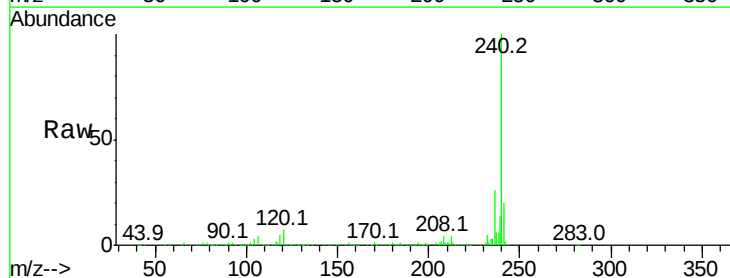


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

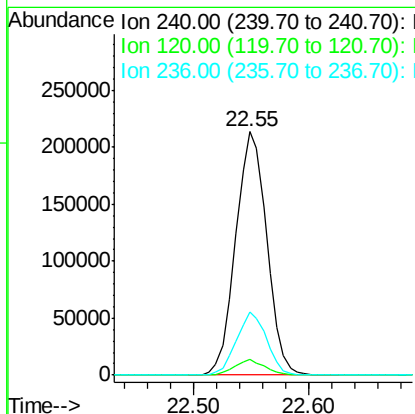
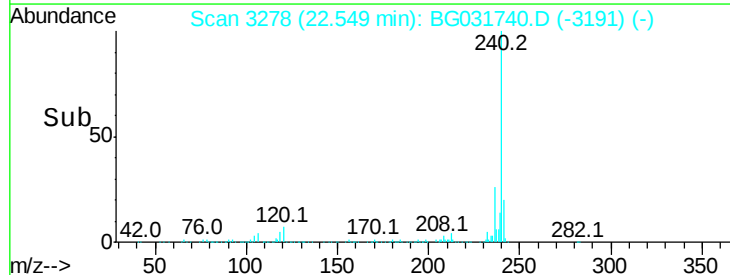


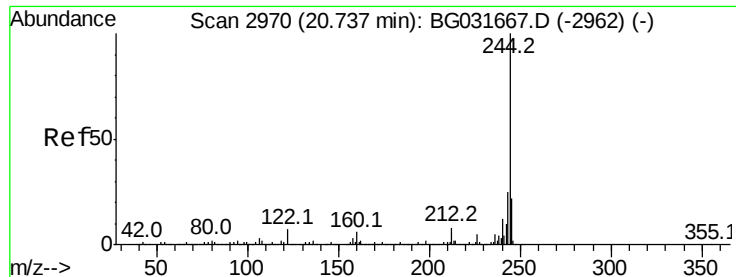
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3278
Delta R.T. -0.02 min
Lab File: BG031740.D
Acq: 23 Dec 2017 9:32

Tgt Ion:240 Resp: 398139
Ion Ratio Lower Upper
240 100
120 6.5 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





#78

Terphenyl-d14

Concen: 98.290 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

Instrument :

BNA_G

ClientSampleId :

PZ-4

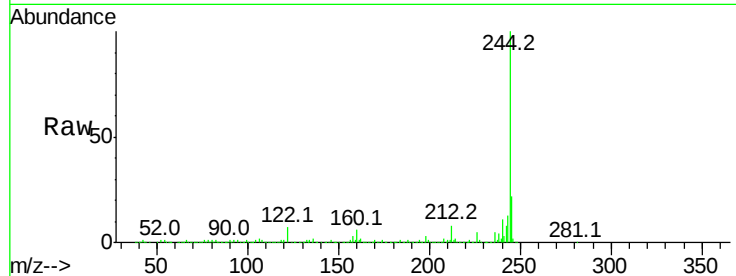
Tot Ion:244 Resp: 1712870

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

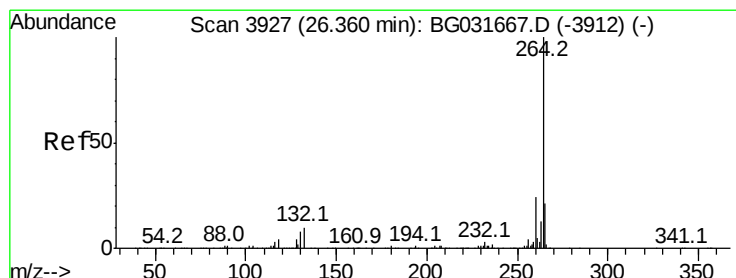
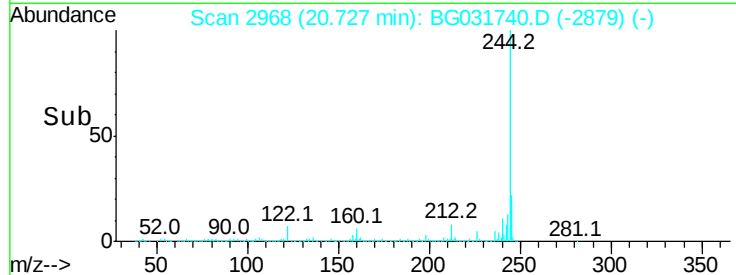
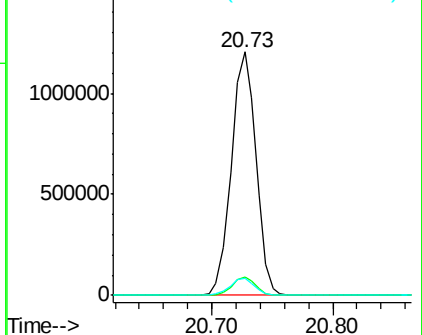
122 6.9 7.0 10.4#



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: 26.33 min Scan# 3922

Delta R.T. -0.03 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

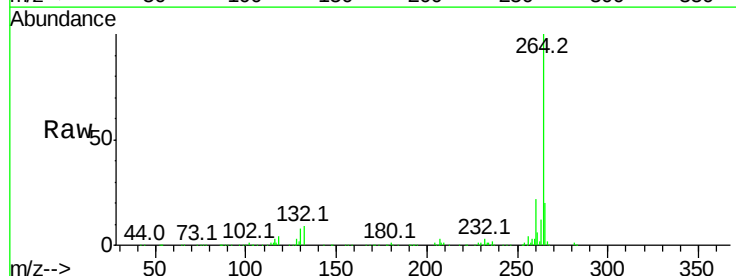
Tgt Ion:264 Resp: 424115

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 20.3 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

