

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122617\
 Data File : BG031766.D
 Acq On : 26 Dec 2017 17:53
 Operator : SJ/JU
 Sample : I7040-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PZ-6

Quant Time: Dec 27 00:24:50 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

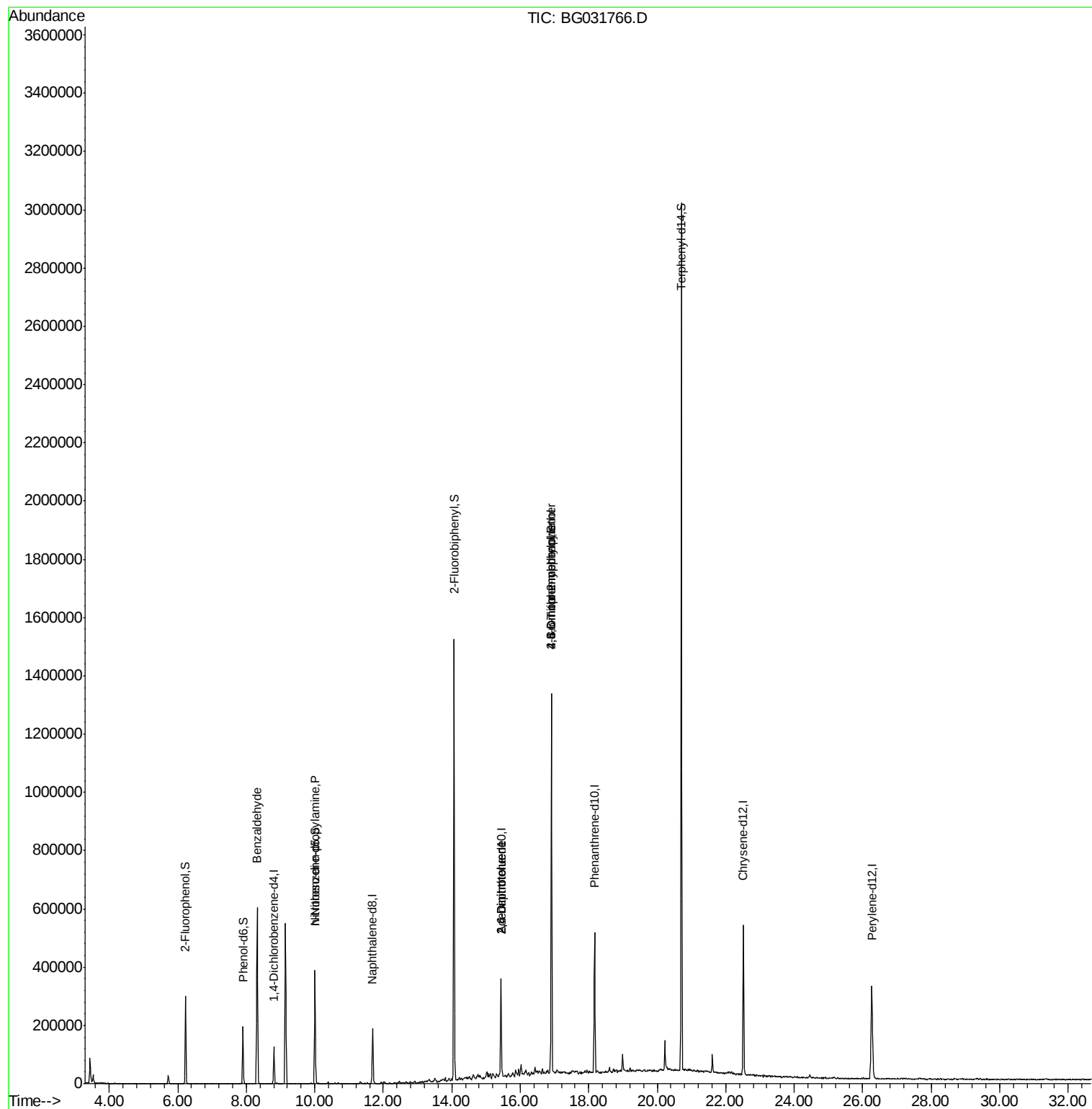
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	44596	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	194346	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	135816	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	337397	20.00	ng	-0.03
75) Chrysene-d12	22.51	240	395739	20.00	ng	-0.06
86) Perylene-d12	26.27	264	433654	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	165947	67.78	ng	-0.02
7) Phenol-d6	7.91	99	138507	43.57	ng	-0.02
23) Nitrobenzene-d5	10.00	82	250100	97.18	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	334818	161.56	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	938320	86.71	ng	-0.03
78) Terphenyl-d14	20.70	244	1598926	92.31	ng	-0.03
Target Compounds						
9) Benzaldehyde	8.32	77	6401	3.34	ng	Qvalue 90
19) n-Nitroso-di-n-propylamine	10.00	70	32840	15.13	ng	# 65
50) 2,6-Dinitrotoluene	15.43	165	17315	7.87	ng	# 21
56) 2,4-Dinitrotoluene	15.43	165	17315	6.12	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.91	198	915	8.77	ng	# 1
66) 4-Bromophenyl-phenylether	16.91	248	25643	5.26	ng	# 1

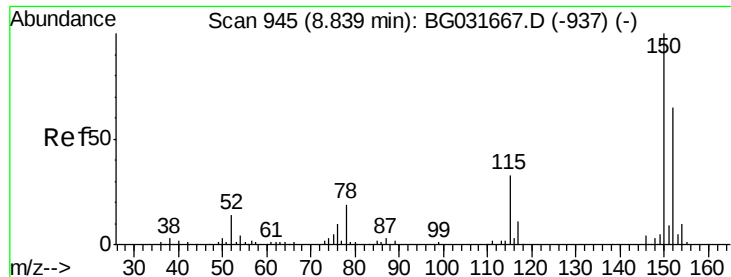
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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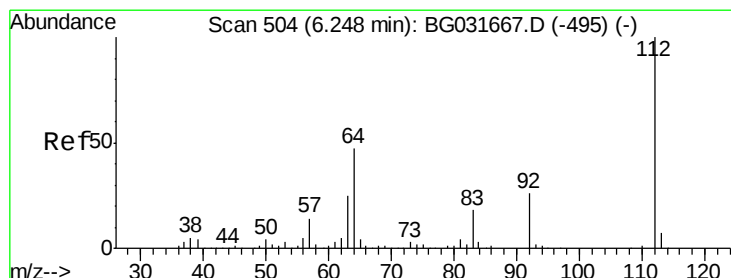
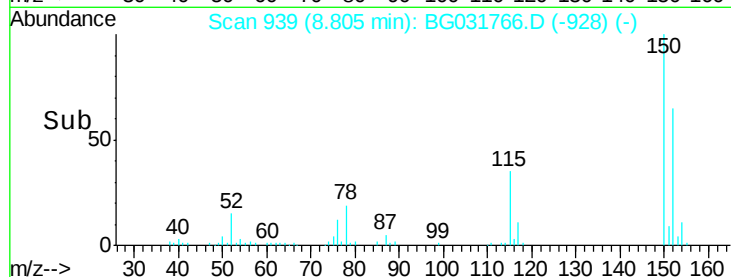
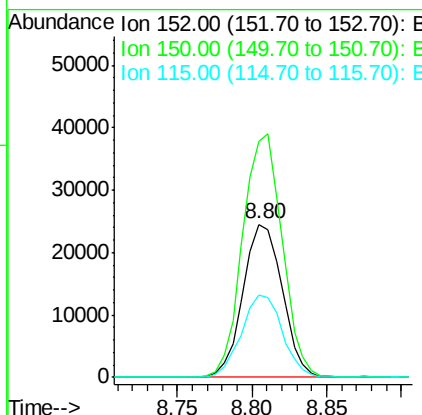
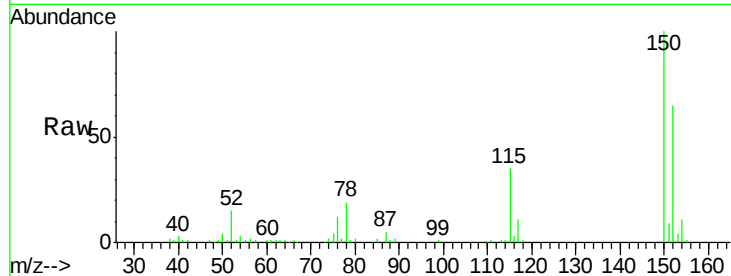


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.80 min Scan# 939
Delta R.T. -0.03 min
Lab File: BG031766.D
Acq: 26 Dec 2017 17:53

Instrument :
BNA_G
ClientSampled :
PZ-6

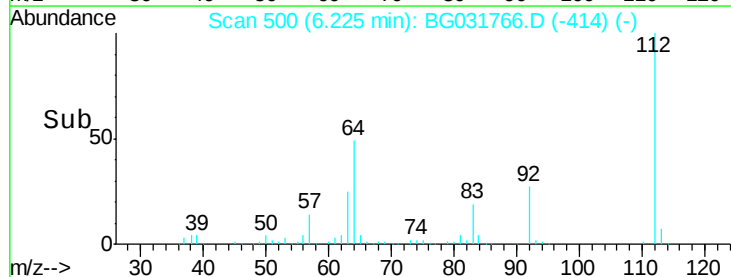
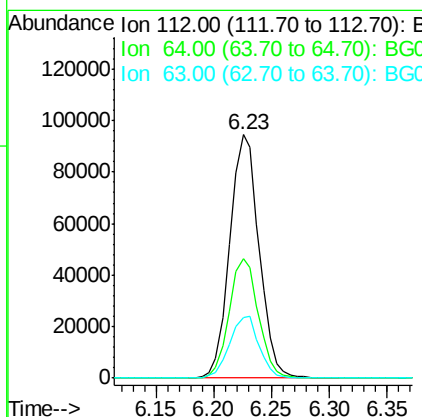
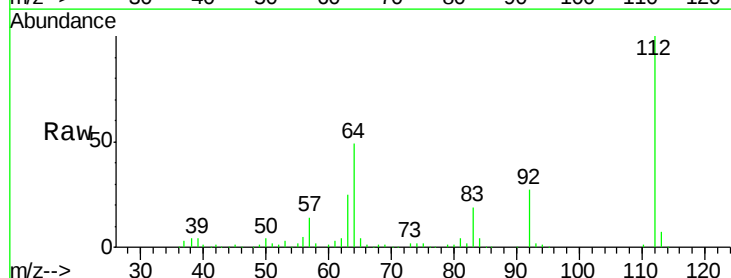
Tot Ion:152 Resp: 44596
Ion Ratio Lower Upper
152 100
150 154.5 126.6 189.8
115 53.9 53.0 79.4



#5

2-Fluorophenol
Concen: 67.78 ng
RT: 6.23 min Scan# 500
Delta R.T. -0.02 min
Lab File: BG031766.D
Acq: 26 Dec 2017 17:53

Tgt Ion:112 Resp: 165947
Ion Ratio Lower Upper
112 100
64 48.8 56.3 84.5#
63 24.8 30.1 45.1#





#7

Phenol-d6

Concen: 43.57 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG031766.D

Acq: 26 Dec 2017 17:53

Instrument :

BNA_G

ClientSampleId :

PZ-6

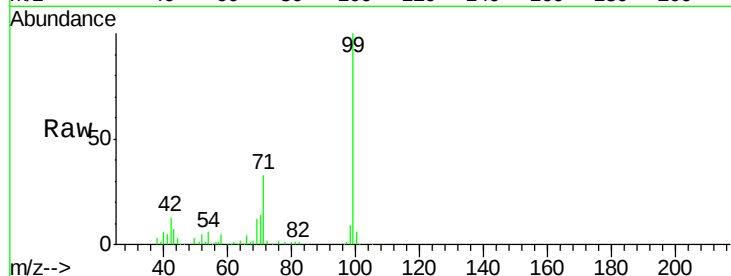
Tot Ion: 99 Resp: 138507

Ion Ratio Lower Upper

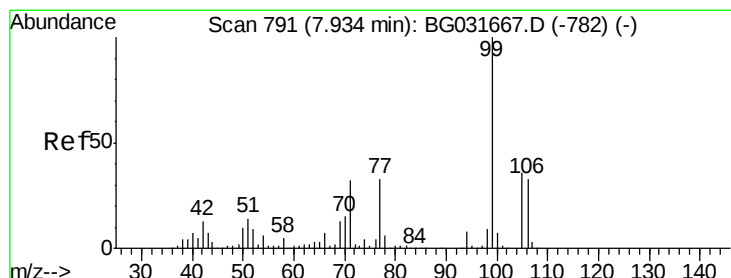
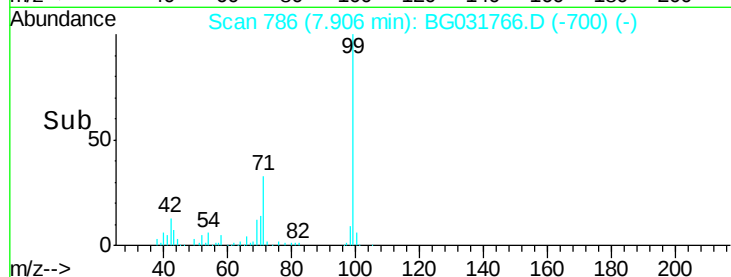
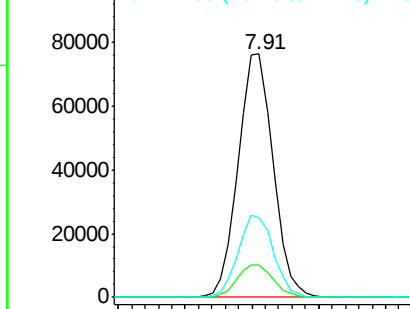
99 100

42 13.3 14.1 21.1#

71 32.6 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: 3.34 ng

RT: 8.32 min Scan# 856

Delta R.T. 0.38 min

Lab File: BG031766.D

Acq: 26 Dec 2017 17:53

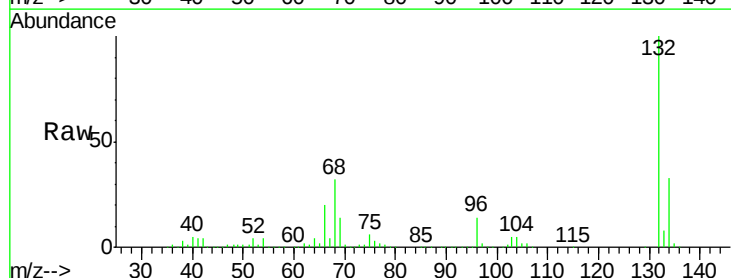
Tgt Ion: 77 Resp: 6401

Ion Ratio Lower Upper

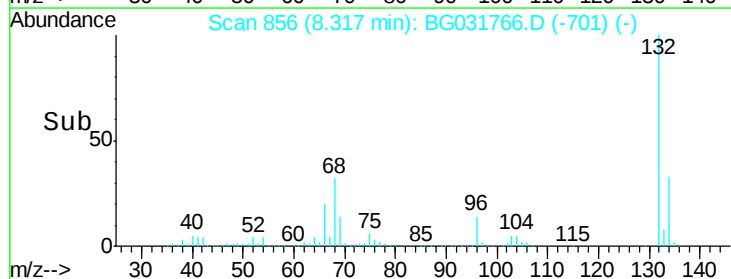
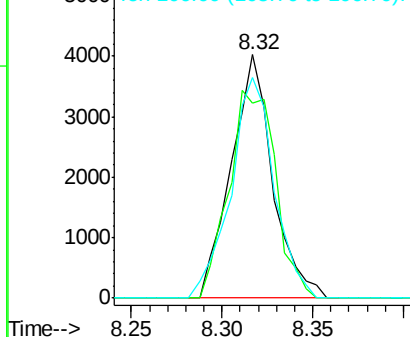
77 100

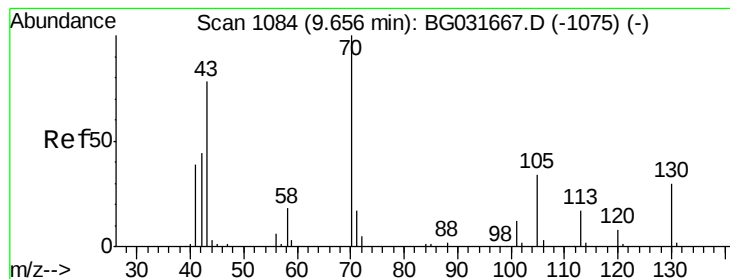
105 80.0 71.3 111.3

106 90.5 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: 15.13 ng

RT: 10.00 min Scan# 1143

Delta R.T. 0.35 min

Lab File: BG031766.D

Acq: 26 Dec 2017 17:53

Instrument :

BNA_G

ClientSampleId :

PZ-6

Tot Ion: 70 Resp: 32840

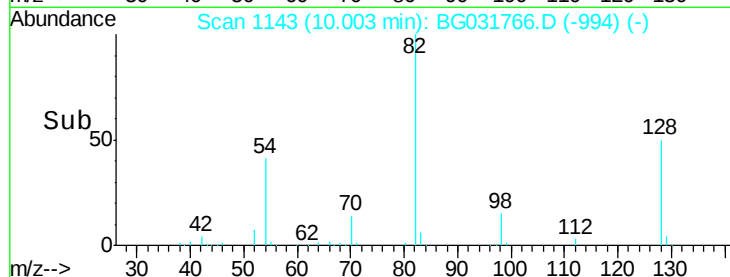
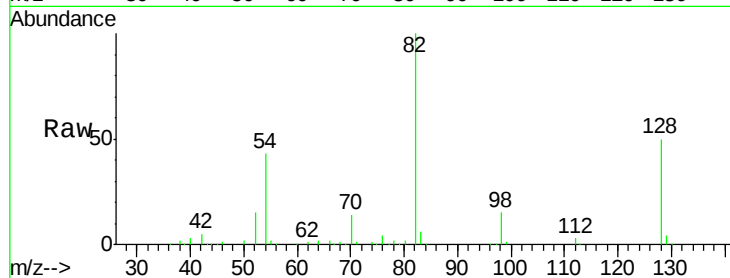
Ion Ratio Lower Upper

70 100

42 32.9 49.1 73.7#

101 0.0 8.5 12.7#

130 2.5 13.4 20.0#



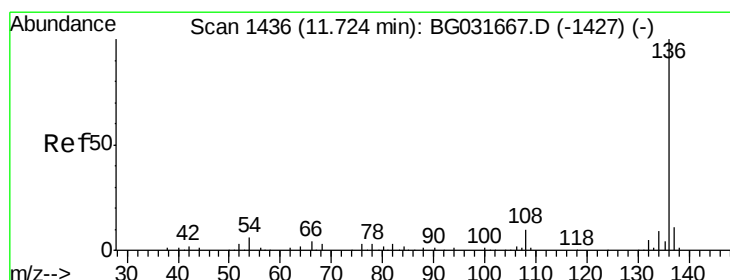
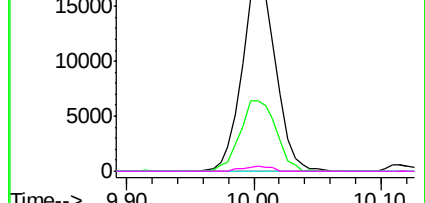
Abundance Ion 70.00 (69.70 to 70.70): BG031766.D (-994) (-)

Ion 42.00 (41.70 to 42.70): BG031766.D (-994) (-)

Ion 101.00 (100.70 to 101.70): BG031766.D (-994) (-)

Ion 130.00 (129.70 to 130.70): BG031766.D (-994) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.69 min Scan# 1430

Delta R.T. -0.03 min

Lab File: BG031766.D

Acq: 26 Dec 2017 17:53

Tgt Ion: 136 Resp: 194346

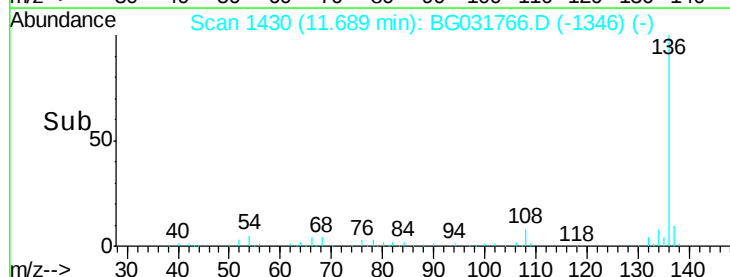
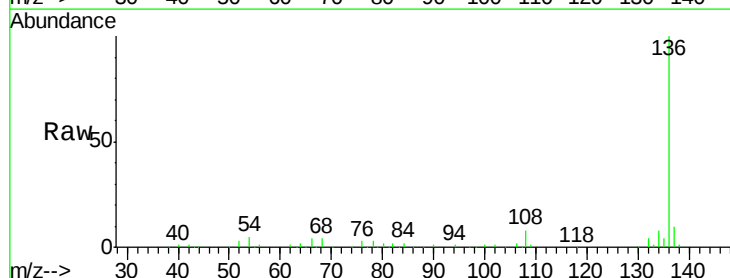
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 5.2 10.3 15.5#

68 4.0 4.5 6.7#



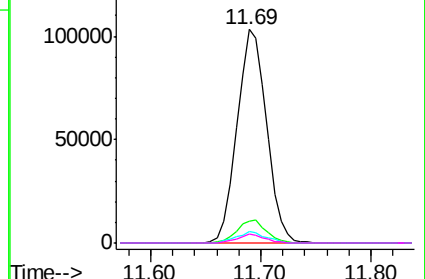
Abundance Ion 136.00 (135.70 to 136.70): BG031766.D (-1346) (-)

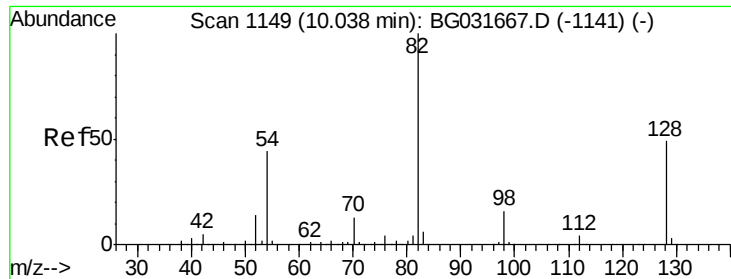
Ion 137.00 (136.70 to 137.70): BG031766.D (-1346) (-)

Ion 54.00 (53.70 to 54.70): BG031766.D (-1346) (-)

Ion 68.00 (67.70 to 68.70): BG031766.D (-1346) (-)

Time-->

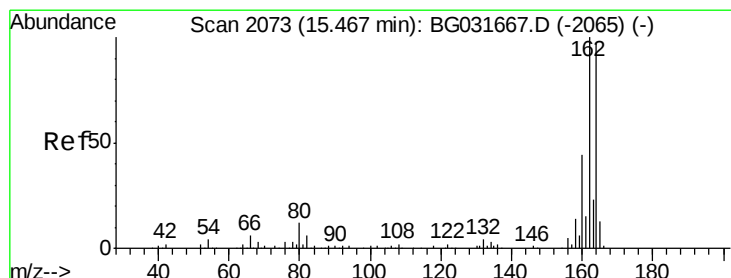
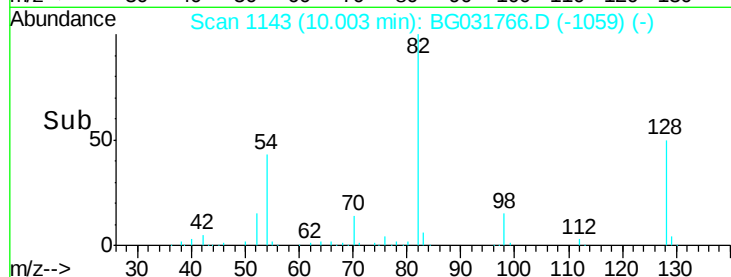
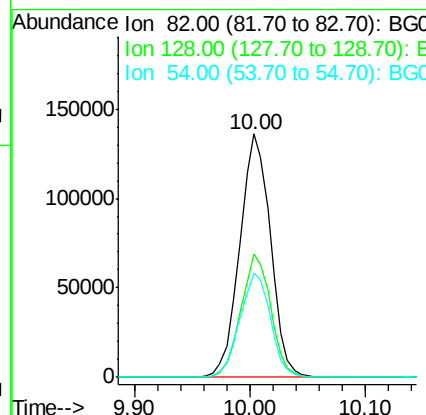
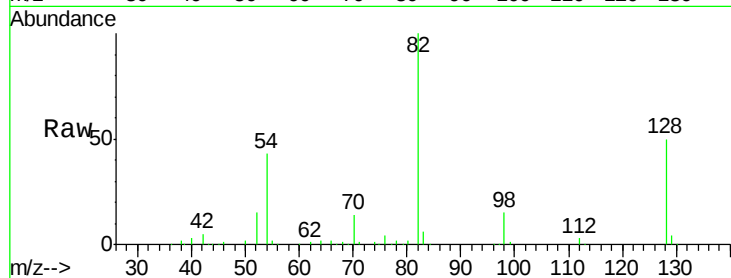




#23
Nitrobenzene-d5
Concen: 97.18 ng
RT: 10.00 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BG031766.D
Acq: 26 Dec 2017 17:53

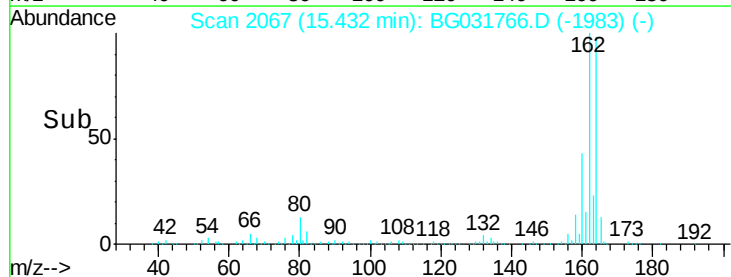
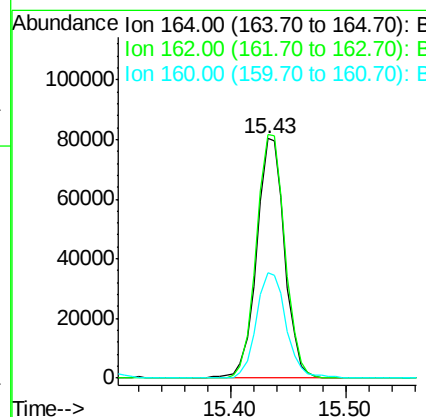
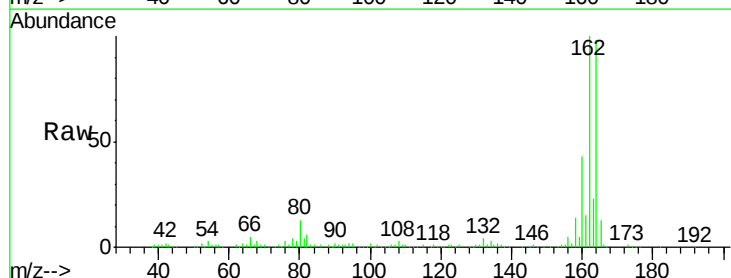
Instrument :
BNA_G
ClientSampleId :
PZ-6

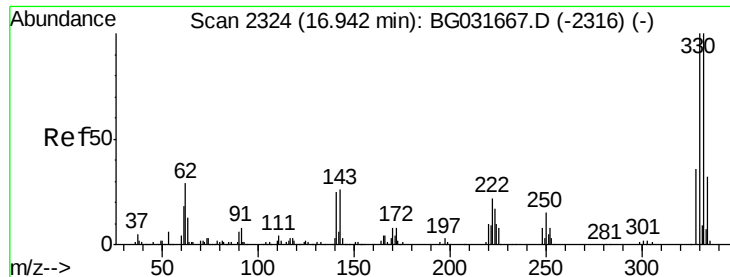
Tot Ion: 82 Resp: 250100
Ion Ratio Lower Upper
82 100
128 50.4 29.7 44.5#
54 42.6 43.1 64.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.03 min
Lab File: BG031766.D
Acq: 26 Dec 2017 17:53

Tgt Ion:164 Resp: 135816
Ion Ratio Lower Upper
164 100
162 101.8 78.8 118.2
160 44.0 35.4 53.0

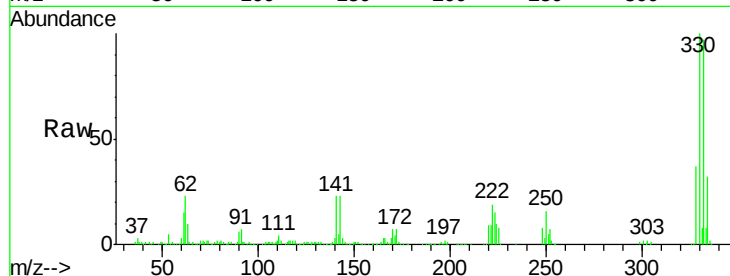




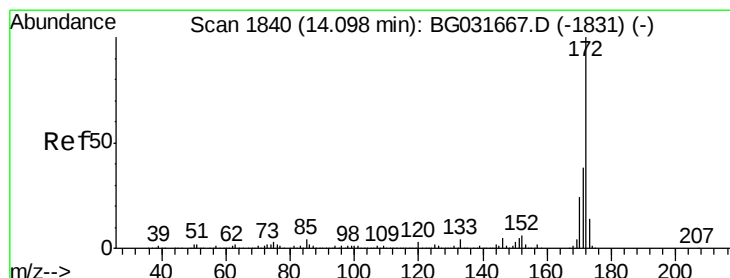
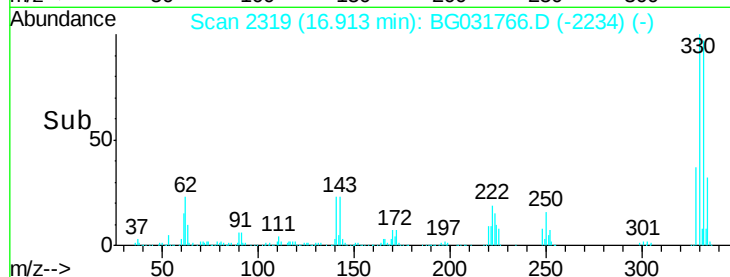
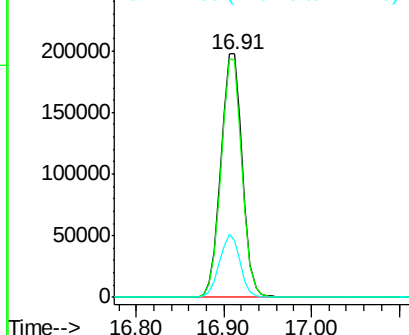
#41
 2,4,6-Tribromophenol
 Concen: 161.56 ng
 RT: 16.91 min Scan# 2319
 Delta R.T. -0.03 min
 Lab File: BG031766.D
 Acq: 26 Dec 2017 17:53

Instrument :
 BNA_G
 ClientSampled :
 PZ-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	25.1	25.2	37.8#

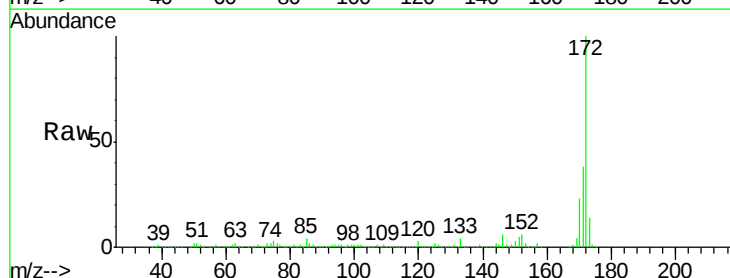


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

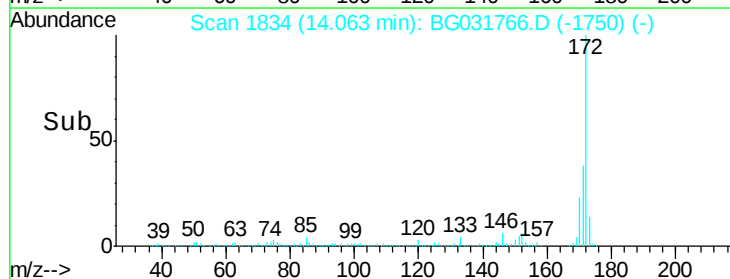
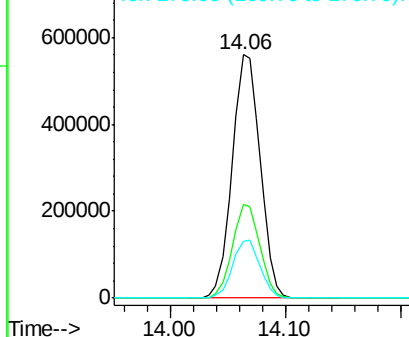


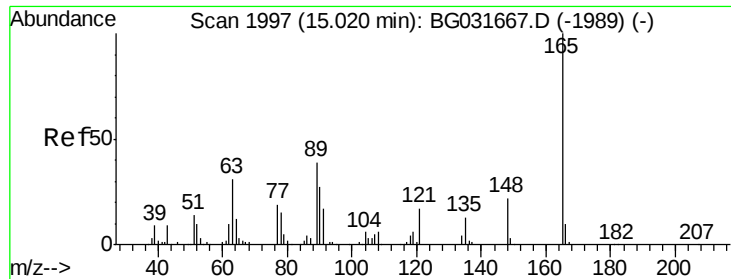
#44
 2-Fluorobiphenyl
 Concen: 86.71 ng
 RT: 14.06 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: BG031766.D
 Acq: 26 Dec 2017 17:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	23.3	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

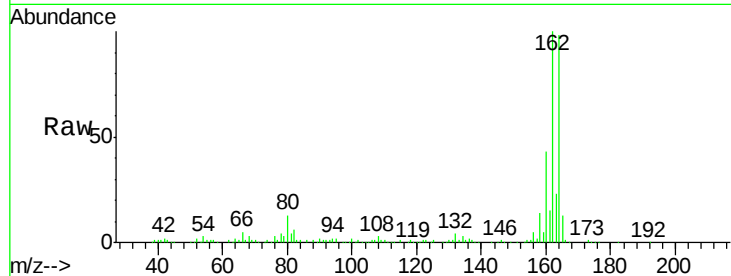




#50
 2,6-Dinitrotoluene
 Concen: 7.87 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. 0.41 min
 Lab File: BG031766.D
 Acq: 26 Dec 2017 17:53

Instrument :
 BNA_G
 ClientSampled :
 PZ-6

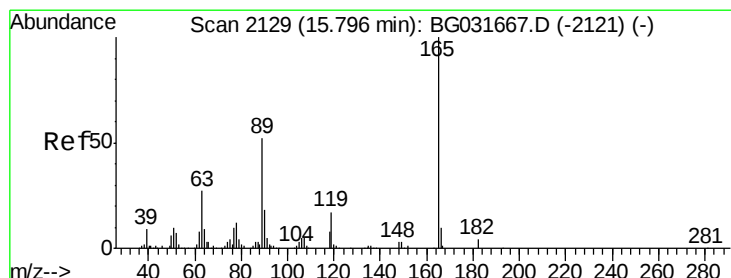
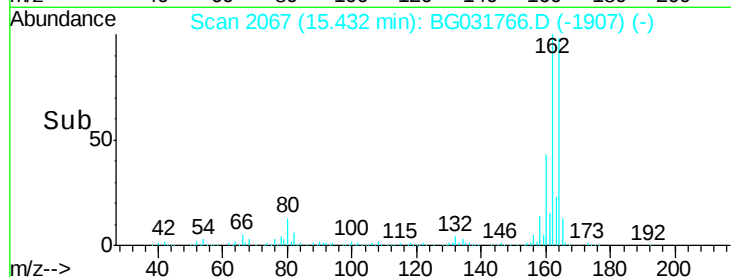
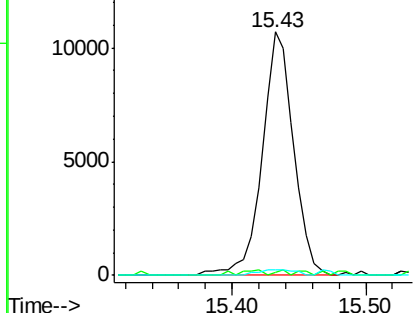
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.7	79.1#
89	2.1	49.2	73.8#



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: 6.12 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.36 min
 Lab File: BG031766.D
 Acq: 26 Dec 2017 17:53

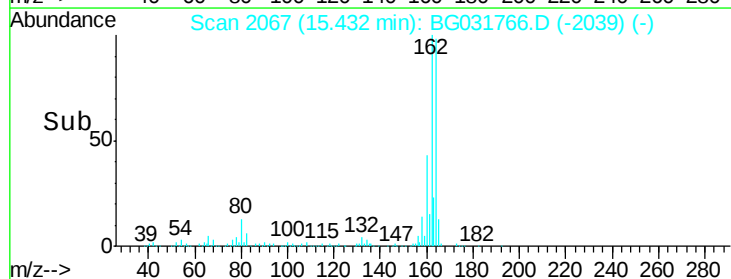
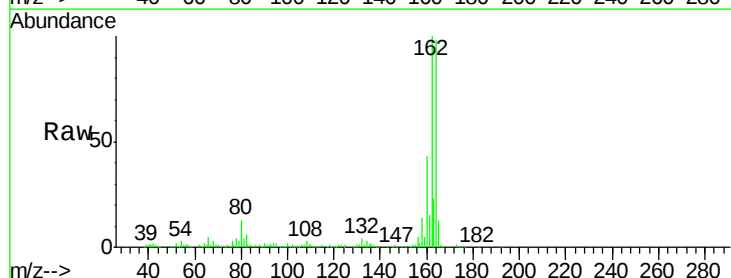
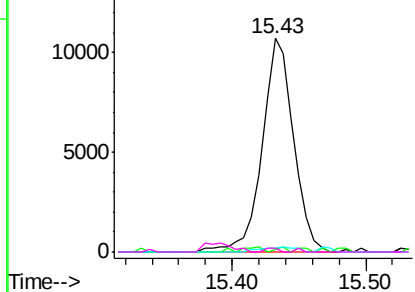
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.0	63.0#
89	2.1	66.9	100.3#
182	1.6	2.6	3.8#

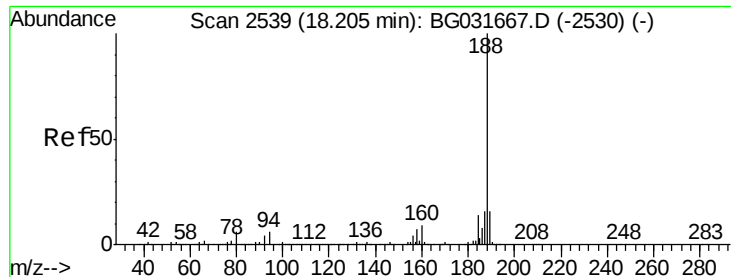
Abundance Ion 165.00 (164.70 to 165.70): E

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

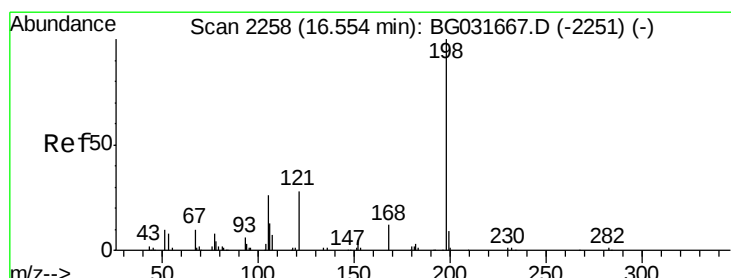
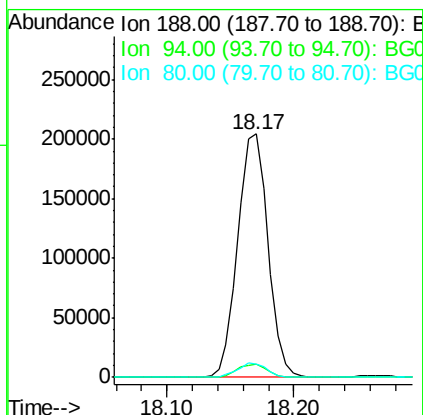
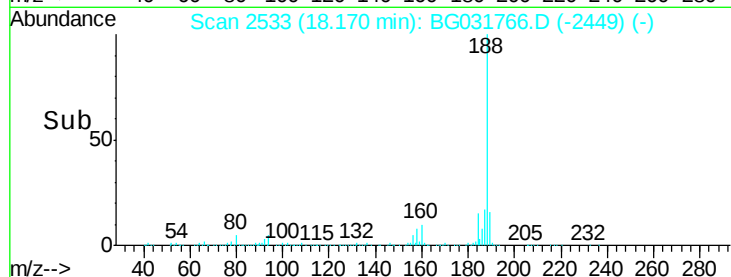
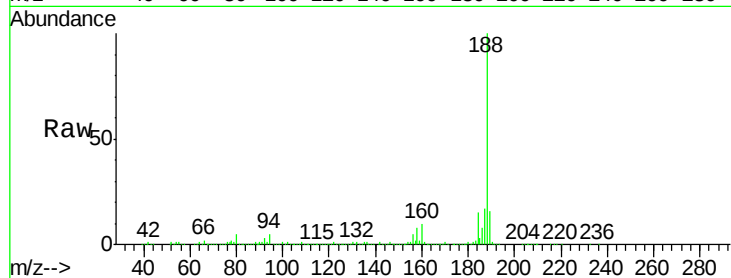




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.17 min Scan# 2533
Delta R.T. -0.03 min
Lab File: BG031766.D
Acq: 26 Dec 2017 17:53

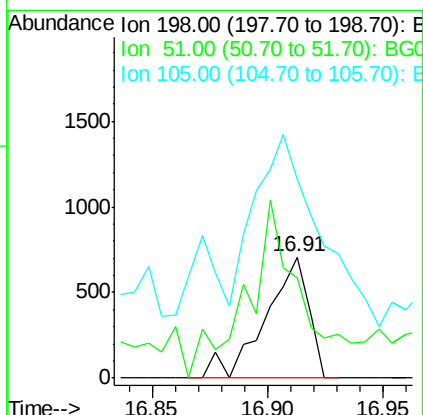
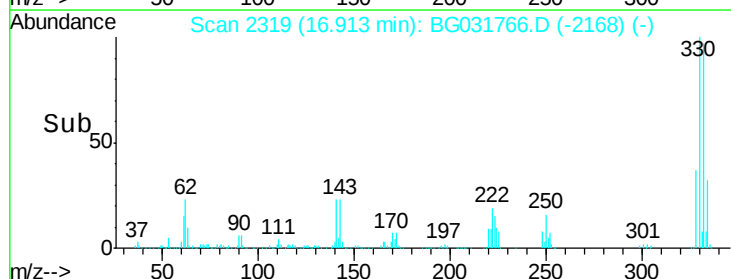
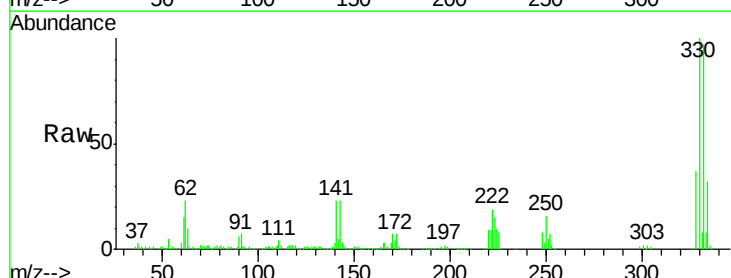
Instrument :
BNA_G
ClientSampleId :
PZ-6

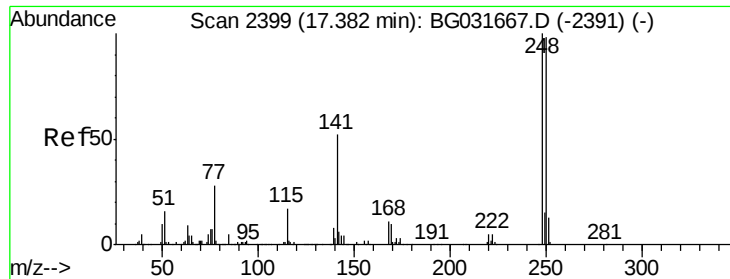
Tot Ion:188 Resp: 337397
Ion Ratio Lower Upper
188 100
94 5.4 6.9 10.3#
80 5.4 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.77 ng
RT: 16.91 min Scan# 2319
Delta R.T. 0.36 min
Lab File: BG031766.D
Acq: 26 Dec 2017 17:53

Tgt Ion:198 Resp: 915
Ion Ratio Lower Upper
198 100
51 82.8 30.6 70.6#
105 164.0 23.8 63.8#

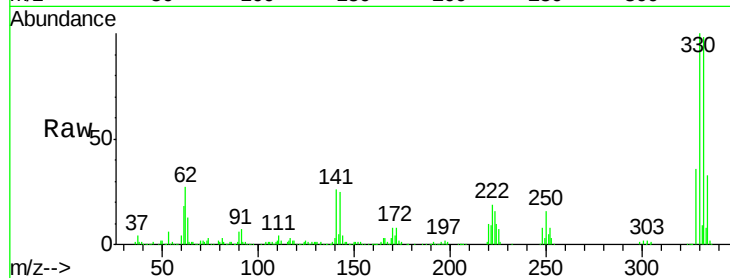




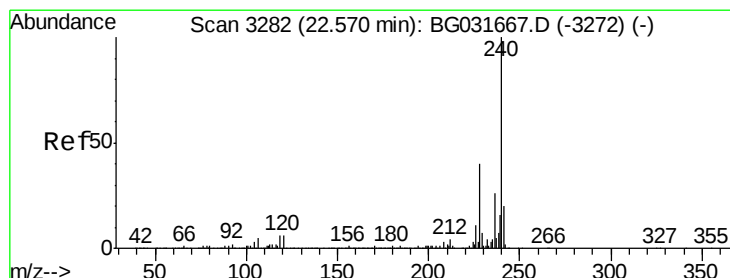
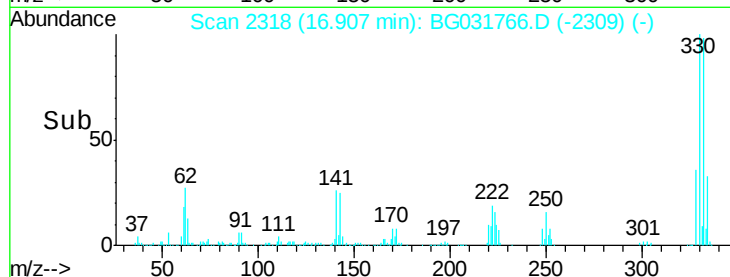
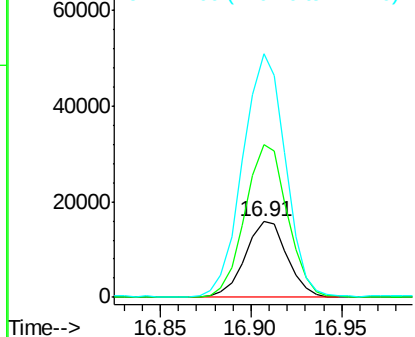
#66
4-Bromophenyl-phenylether
Concen: 5.26 ng
RT: 16.91 min Scan# 2318
Delta R.T. -0.48 min
Lab File: BG031766.D
Acq: 26 Dec 2017 17:53

Instrument :
BNA_G
ClientSampleId :
PZ-6

Tot Ion:248 Resp: 25643
Ion Ratio Lower Upper
248 100
250 202.3 77.1 115.7#
141 322.2 50.8 76.2#

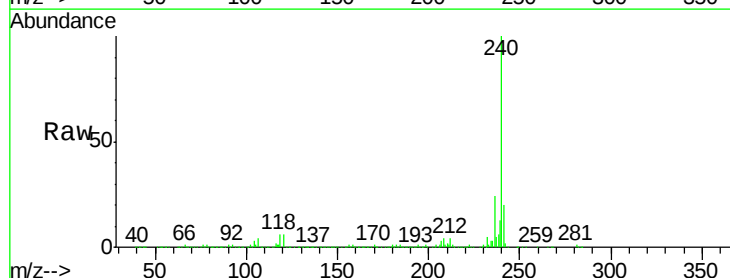


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

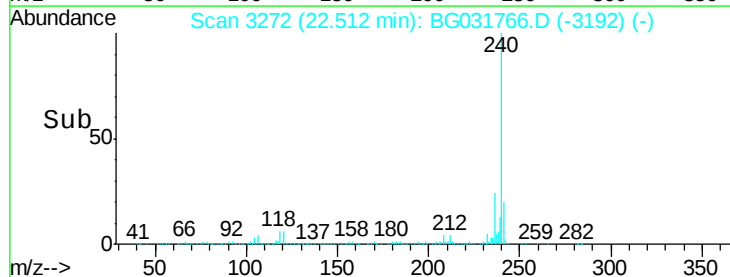
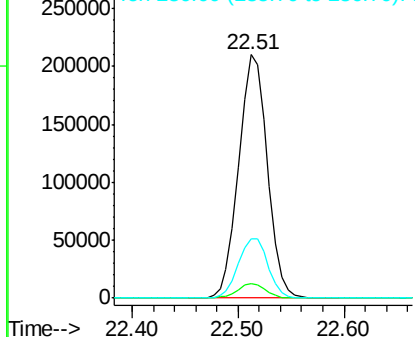


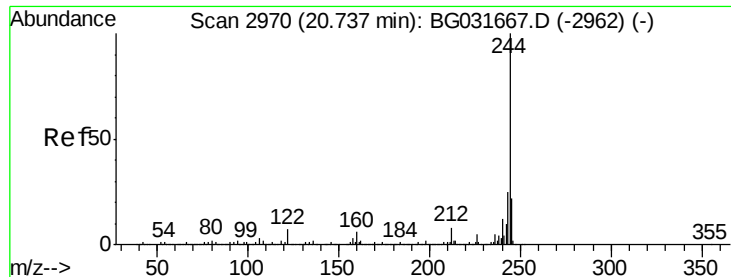
#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.51 min Scan# 3272
Delta R.T. -0.06 min
Lab File: BG031766.D
Acq: 26 Dec 2017 17:53

Tgt Ion:240 Resp: 395739
Ion Ratio Lower Upper
240 100
120 5.8 6.8 10.2#
236 24.1 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

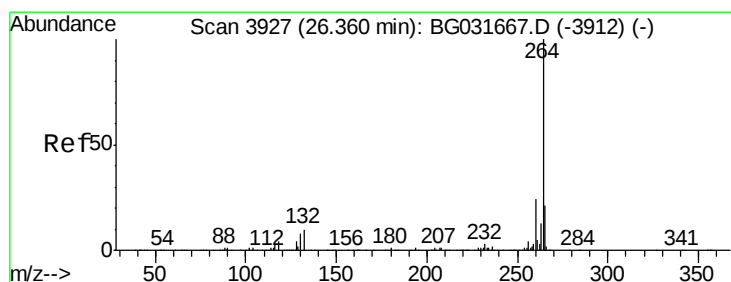
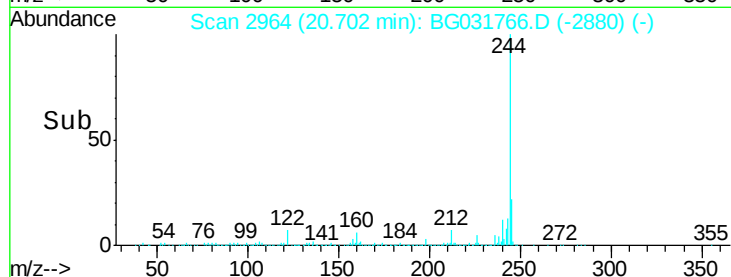
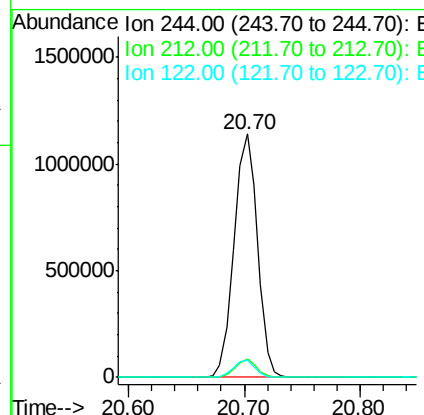
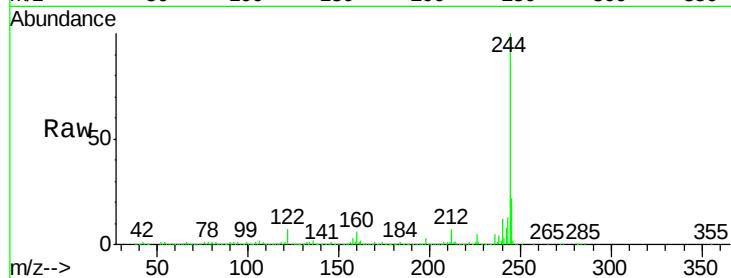




#78
 Terphenyl-d14
 Concen: 92.31 ng
 RT: 20.70 min Scan# 2964
 Delta R.T. -0.03 min
 Lab File: BG031766.D
 Acq: 26 Dec 2017 17:53

Instrument :
 BNA_G
 ClientSampleId :
 PZ-6

Tot Ion:244 Resp: 1598926
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 6.8 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 26.27 min Scan# 3911
 Delta R.T. -0.09 min
 Lab File: BG031766.D
 Acq: 26 Dec 2017 17:53

Tgt Ion:264 Resp: 433654
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.4 26.0
 265 21.1 17.7 26.5

