

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031745.D
 Acq On : 23 Dec 2017 12:40
 Operator : SJ/JU
 Sample : I6677-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-122117-A

Quant Time: Dec 25 04:45:47 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

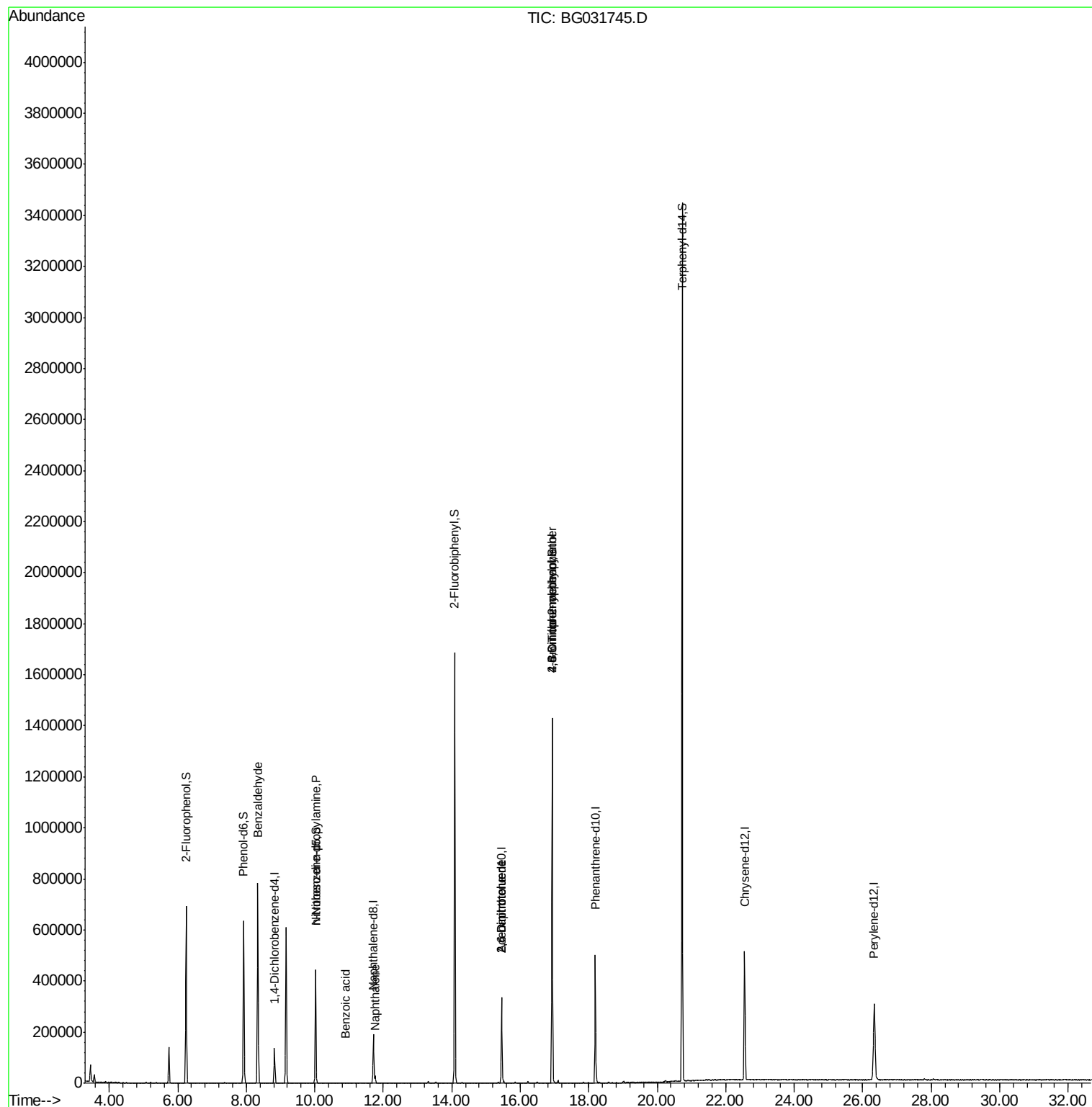
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	48236	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	195283	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	130729	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	339782	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	396783	20.00	ng	-0.02
86) Perylene-d12	26.33	264	430926	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	380363	143.62	ng	0.00
7) Phenol-d6	7.92	99	443043	128.85	ng	0.00
23) Nitrobenzene-d5	10.03	82	288666	111.62	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	361068	181.01	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	1017188	97.66	ng	-0.01
78) Terphenyl-d14	20.73	244	1880287	108.27	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.34	77	9432	4.556	ng	Qvalue 98
19) n-Nitroso-di-n-propylamine	10.03	70	36957	15.738	ng	# 71
31) Naphthalene	11.76	128	30173	3.062	ng	# 96
32) Benzoic acid	10.90	122	57	6.719	ng	# 1
50) 2,6-Dinitrotoluene	15.46	165	17237	8.136	ng	# 20
56) 2,4-Dinitrotoluene	15.46	165	17237	6.327	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.92	198	712	8.662	ng	# 20
66) 4-Bromophenyl-phenylether	16.93	248	28345	5.769	ng	# 1

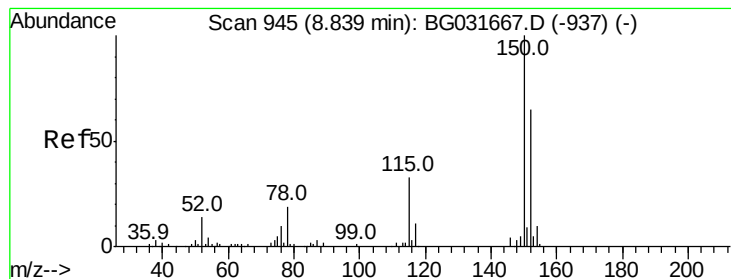
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG031745.D

Acq: 23 Dec 2017 12:40

Instrument :

BNA_G

ClientSampleId :

OR-02-122117-A

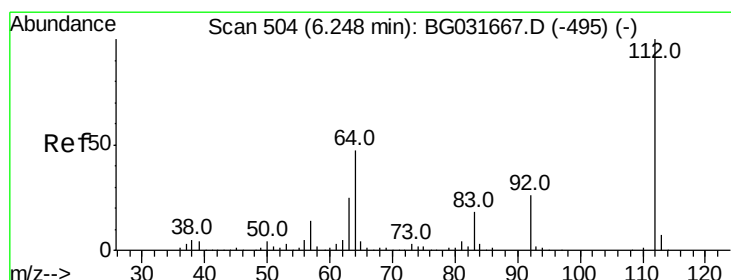
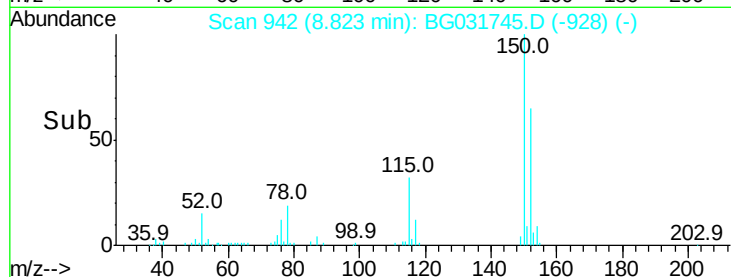
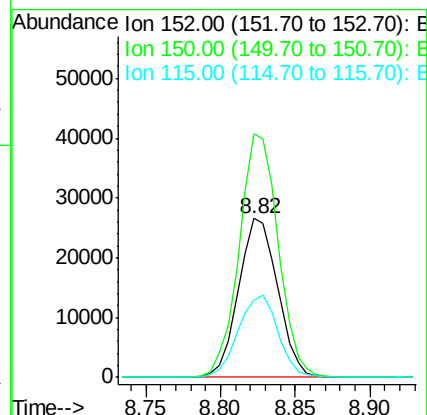
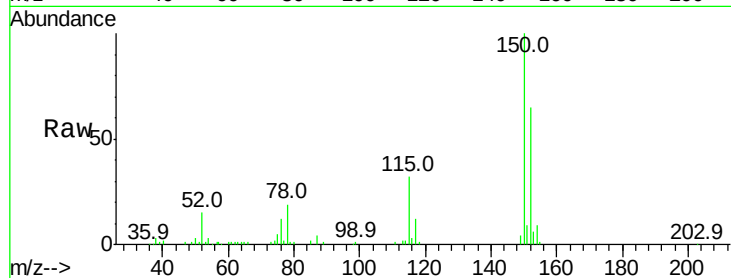
Tot Ion:152 Resp: 48236

Ion Ratio Lower Upper

152 100

150 153.4 126.6 189.8

115 48.5 53.0 79.4#



#5

2-Fluorophenol

Concen: 143.625 ng

RT: 6.24 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG031745.D

Acq: 23 Dec 2017 12:40

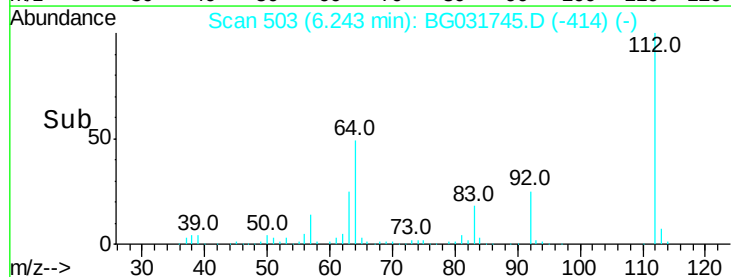
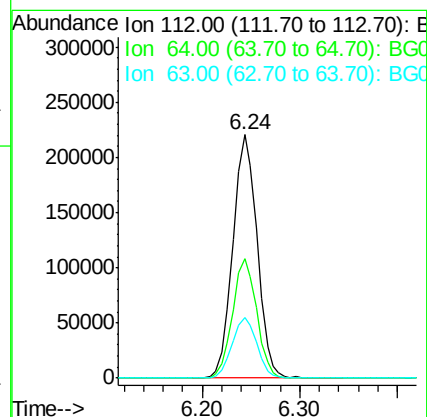
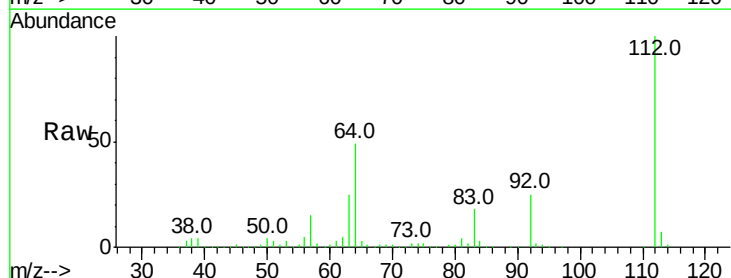
Tgt Ion:112 Resp: 380363

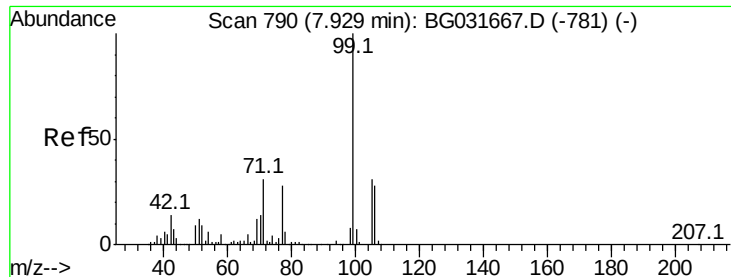
Ion Ratio Lower Upper

112 100

64 49.0 56.3 84.5#

63 24.8 30.1 45.1#





#7

Phenol-d6

Concen: 128.852 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031745.D

Acq: 23 Dec 2017 12:40

Instrument :

BNA_G

ClientSampleId :

OR-02-122117-A

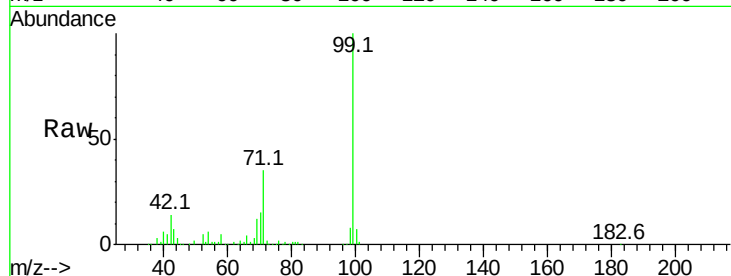
Tot Ion: 99 Resp: 443043

Ion Ratio Lower Upper

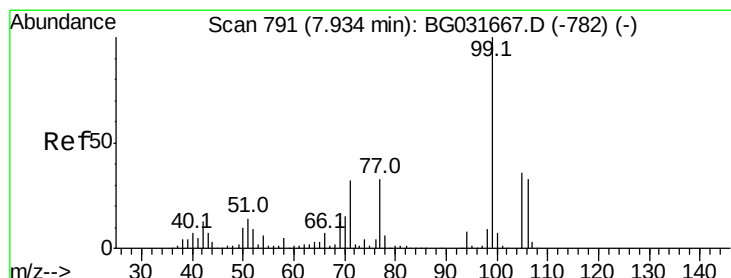
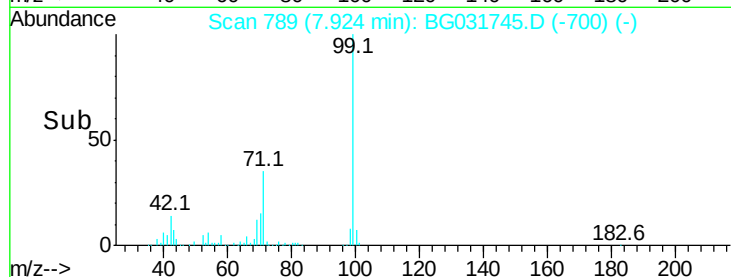
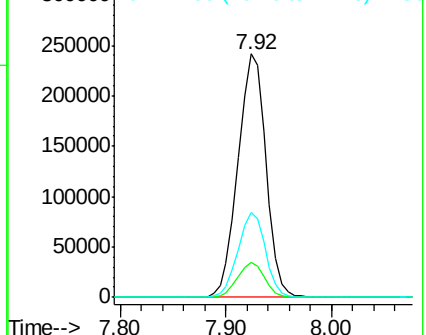
99 100

42 14.2 14.1 21.1

71 35.1 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: 4.556 ng

RT: 8.34 min Scan# 860

Delta R.T. 0.41 min

Lab File: BG031745.D

Acq: 23 Dec 2017 12:40

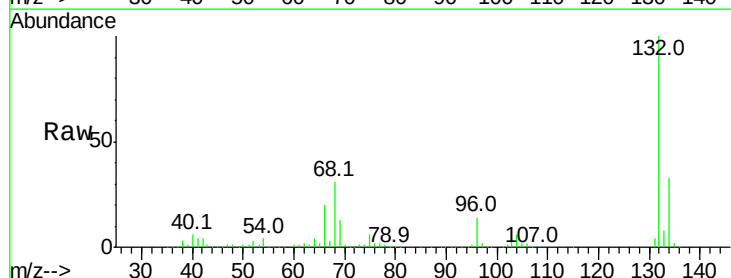
Tgt Ion: 77 Resp: 9432

Ion Ratio Lower Upper

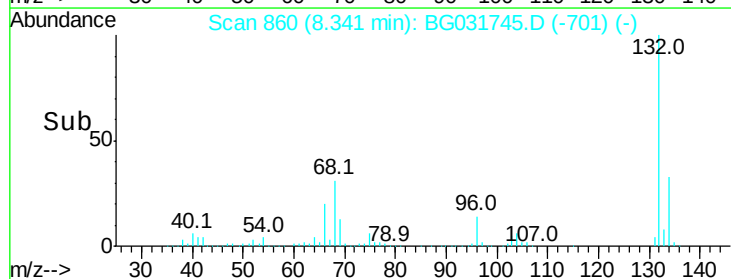
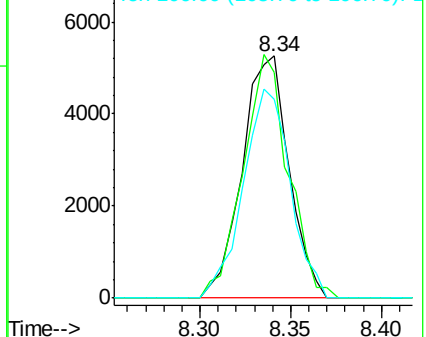
77 100

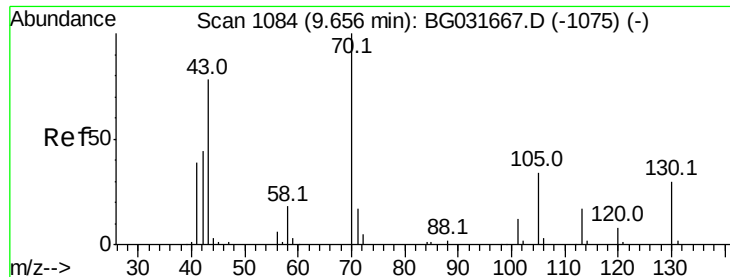
105 93.4 71.3 111.3

106 82.2 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

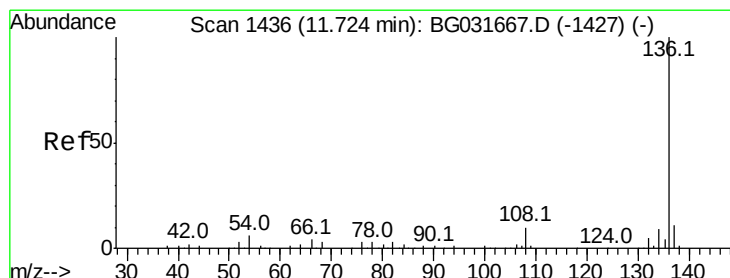
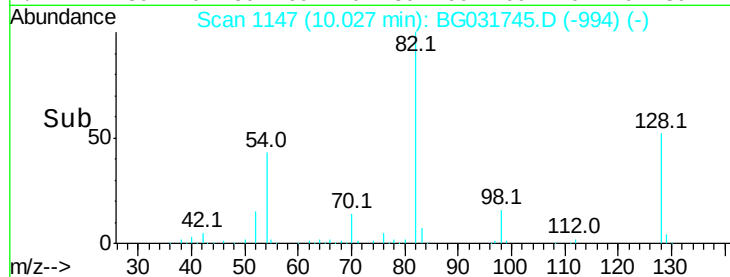
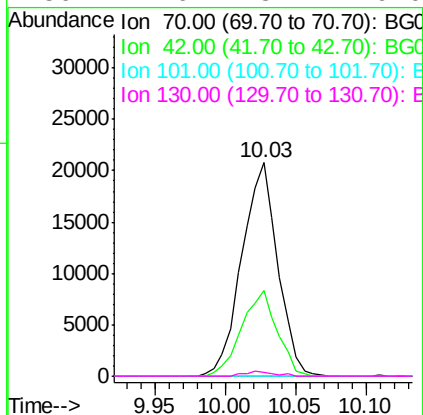
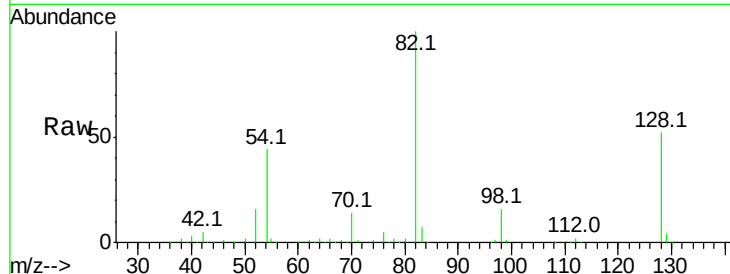




#19
 n-Nitroso-di-n-propylamine
 Concen: 15.738 ng
 RT: 10.03 min Scan# 1147
 Delta R.T. 0.37 min
 Lab File: BG031745.D
 Acq: 23 Dec 2017 12:40

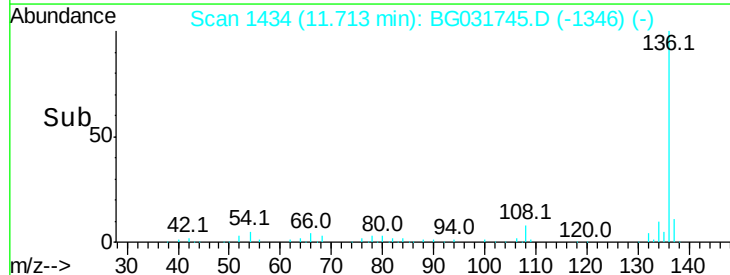
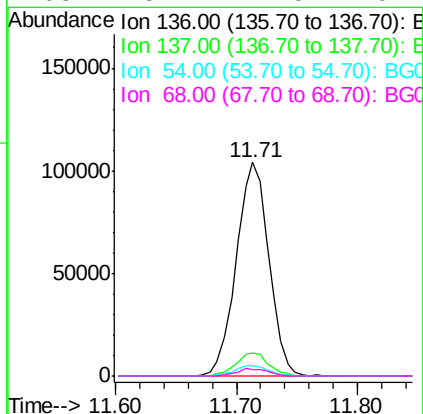
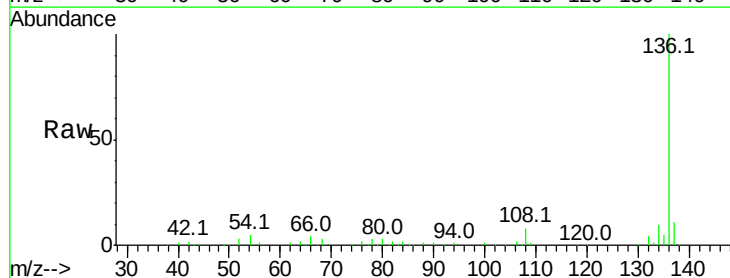
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-122117-A

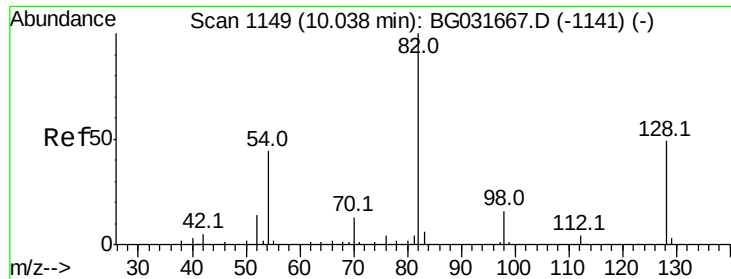
Tot Ion: 70 Resp: 36957
 Ion Ratio Lower Upper
 70 100
 42 40.4 49.1 73.7#
 101 0.0 8.5 12.7#
 130 1.6 13.4 20.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.71 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BG031745.D
 Acq: 23 Dec 2017 12:40

Tgt Ion: 136 Resp: 195283
 Ion Ratio Lower Upper
 136 100
 137 10.8 9.2 13.8
 54 4.9 10.3 15.5#
 68 3.1 4.5 6.7#

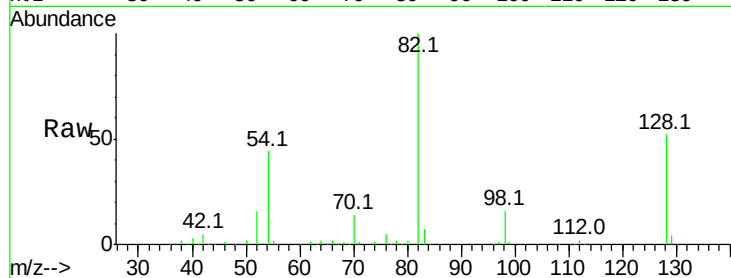




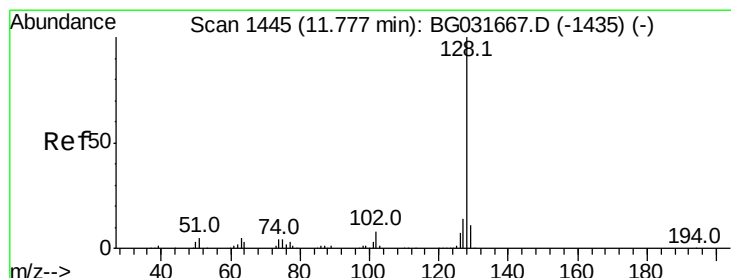
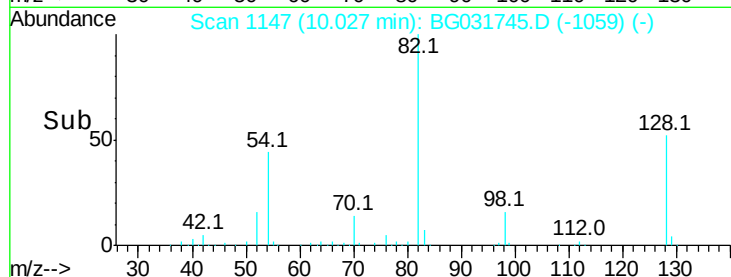
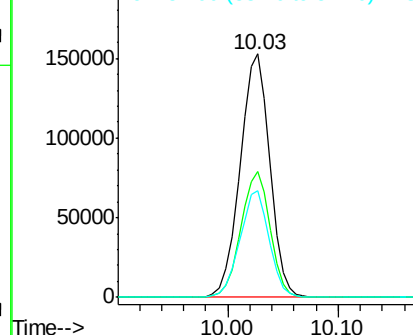
#23
Nitrobenzene-d5
Concen: 111.622 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031745.D
Acq: 23 Dec 2017 12:40

Instrument :
BNA_G
ClientSampleId :
OR-02-122117-A

Tot Ion: 82 Resp: 288666
Ion Ratio Lower Upper
82 100
128 51.9 29.7 44.5#
54 43.7 43.1 64.7

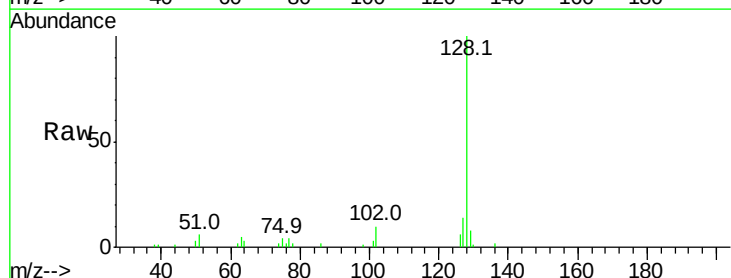


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

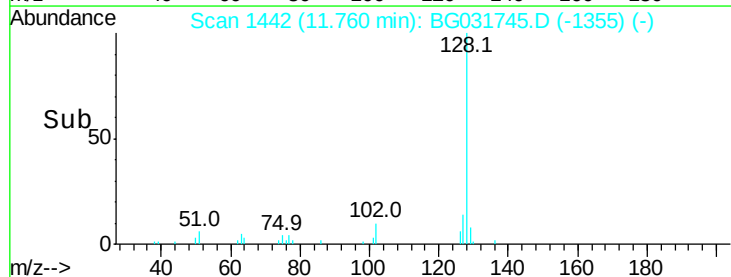
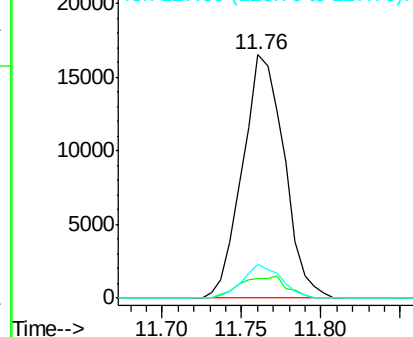


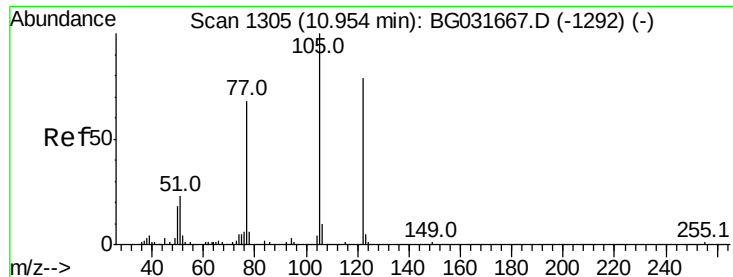
#31
Naphthalene
Concen: 3.062 ng
RT: 11.76 min Scan# 1442
Delta R.T. -0.02 min
Lab File: BG031745.D
Acq: 23 Dec 2017 12:40

Tgt Ion: 128 Resp: 30173
Ion Ratio Lower Upper
128 100
129 8.0 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: 6.719 ng

RT: 10.90 min Scan# 1296

Delta R.T. -0.05 min

Lab File: BG031745.D

Acq: 23 Dec 2017 12:40

Instrument :

BNA_G

ClientSampleId :

OR-02-122117-A

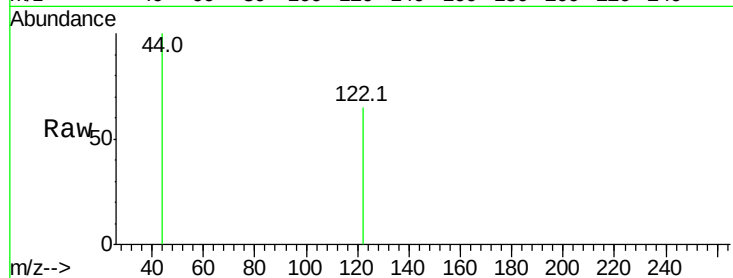
Tot Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

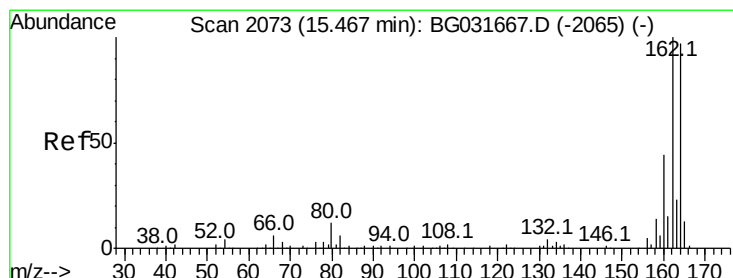
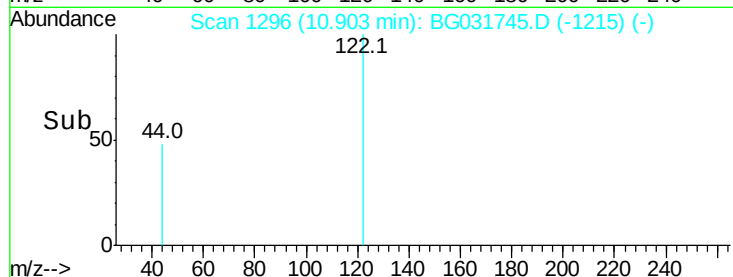
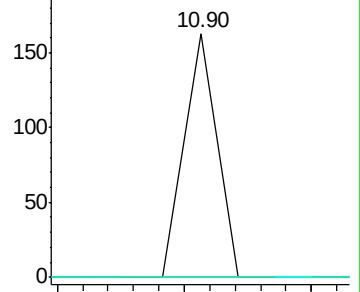
77 0.0 85.7 125.7#



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): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BG031745.D

Acq: 23 Dec 2017 12:40

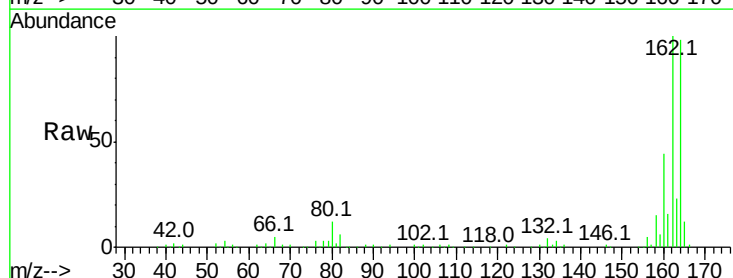
Tgt Ion:164 Resp: 130729

Ion Ratio Lower Upper

164 100

162 101.9 78.8 118.2

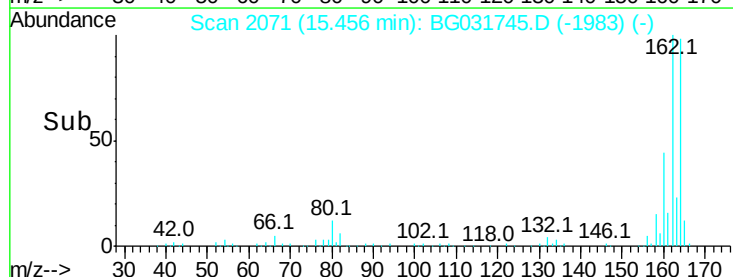
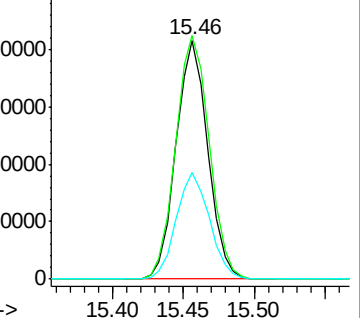
160 44.4 35.4 53.0

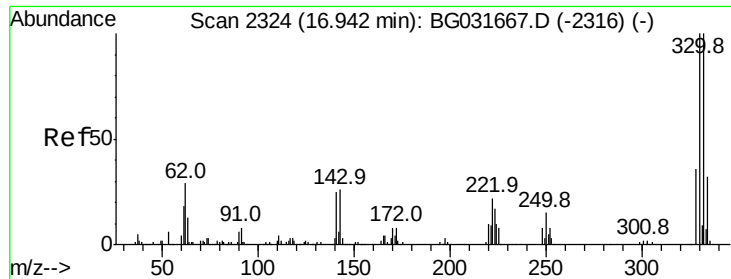


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 181.010 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031745.D

Acq: 23 Dec 2017 12:40

Instrument :

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ClientSampleId :

OR-02-122117-A

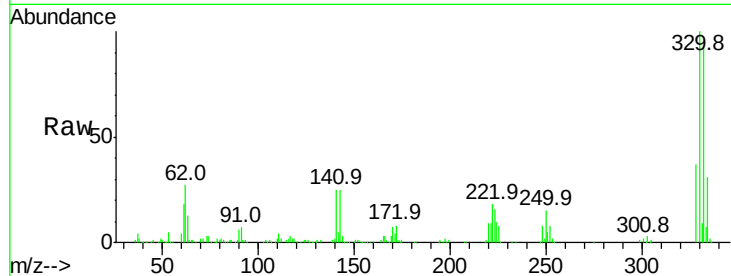
Tot Ion:330 Resp: 361068

Ion Ratio Lower Upper

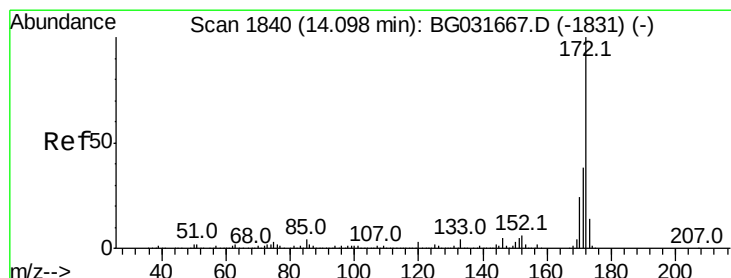
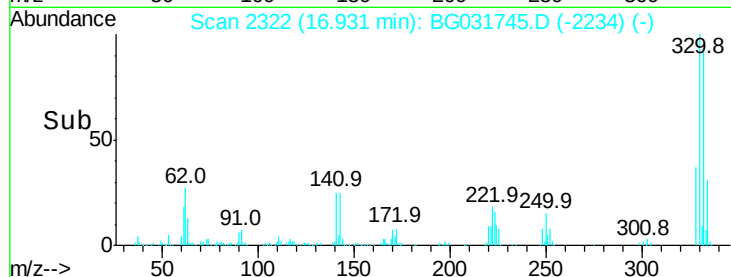
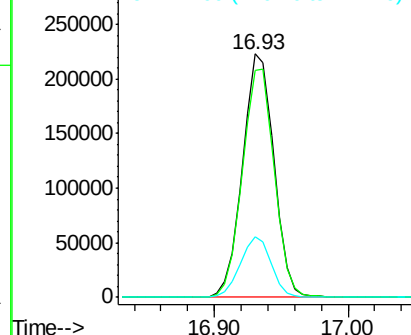
330 100

332 95.8 77.0 115.6

141 24.6 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: 97.661 ng

RT: 14.09 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BG031745.D

Acq: 23 Dec 2017 12:40

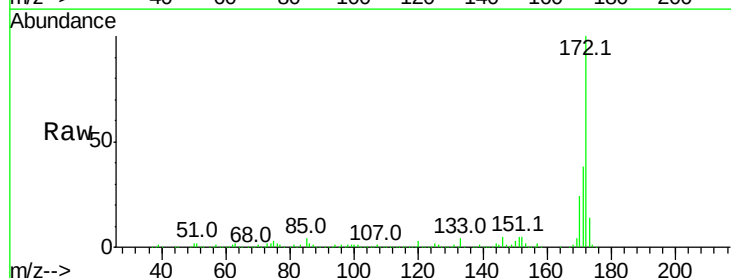
Tgt Ion:172 Resp: 1017188

Ion Ratio Lower Upper

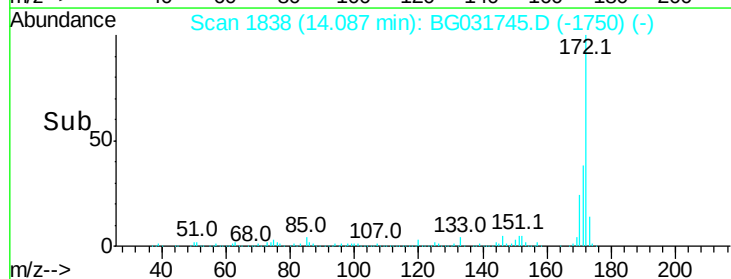
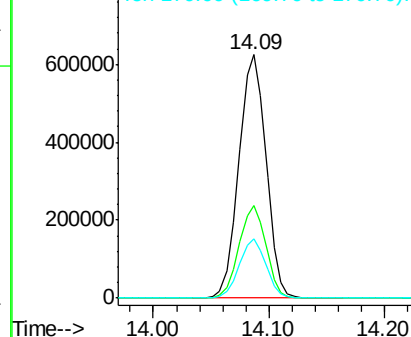
172 100

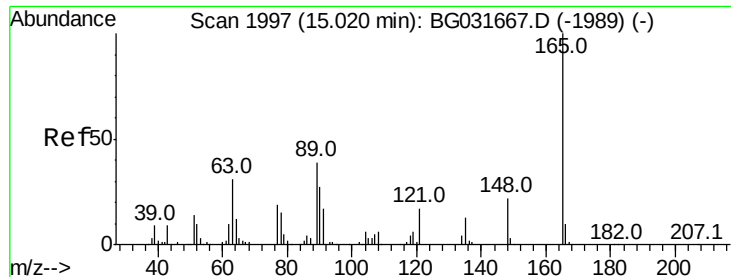
171 38.0 30.0 45.0

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

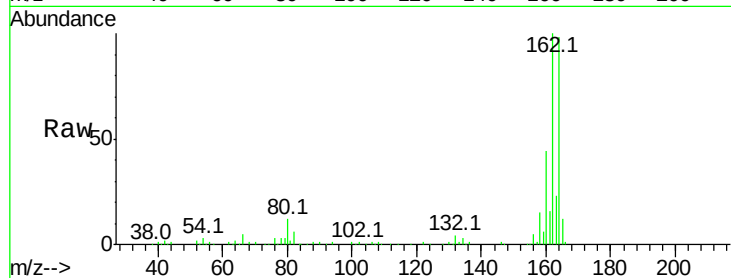




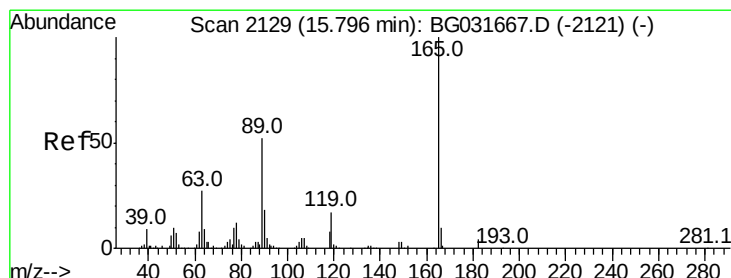
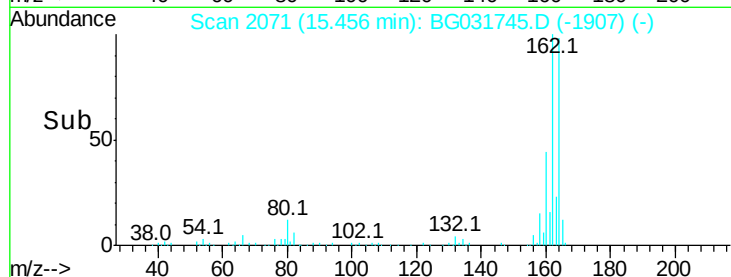
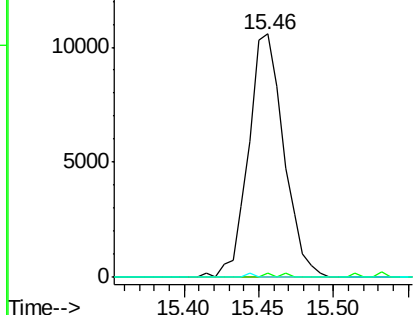
#50
 2,6-Dinitrotoluene
 Concen: 8.136 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. 0.44 min
 Lab File: BG031745.D
 Acq: 23 Dec 2017 12:40

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-122117-A

Tot Ion:165 Resp: 17237
 Ion Ratio Lower Upper
 165 100
 63 1.8 52.7 79.1#
 89 0.0 49.2 73.8#

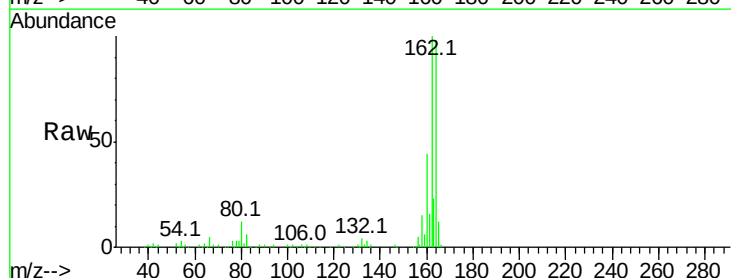


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

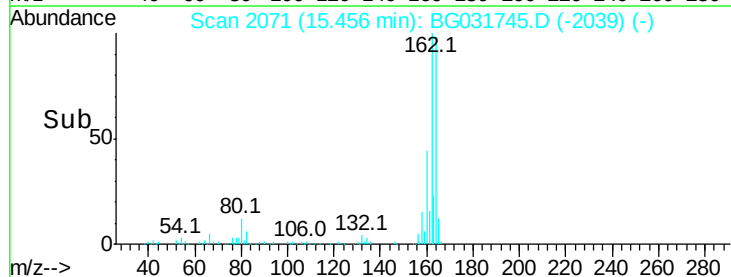
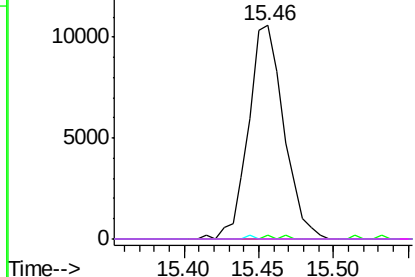


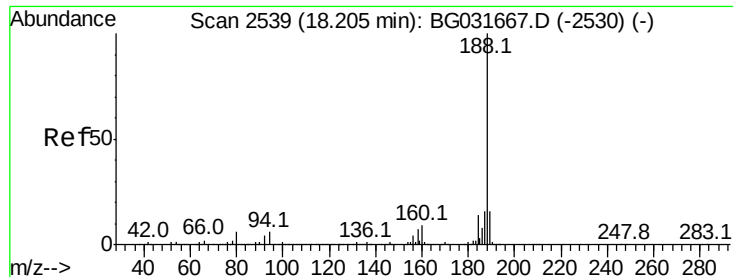
#56
 2,4-Dinitrotoluene
 Concen: 6.327 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.34 min
 Lab File: BG031745.D
 Acq: 23 Dec 2017 12:40

Tgt Ion:165 Resp: 17237
 Ion Ratio Lower Upper
 165 100
 63 1.8 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: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031745.D

Acq: 23 Dec 2017 12:40

Instrument :

BNA_G

ClientSampleId :

OR-02-122117-A

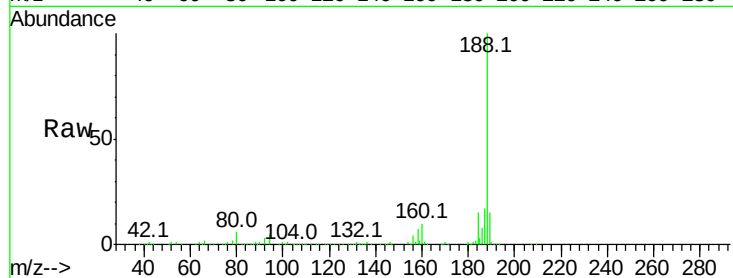
Tot Ion:188 Resp: 339782

Ion Ratio Lower Upper

188 100

94 4.9 6.9 10.3#

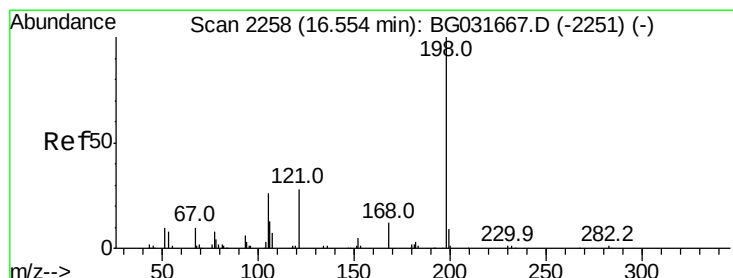
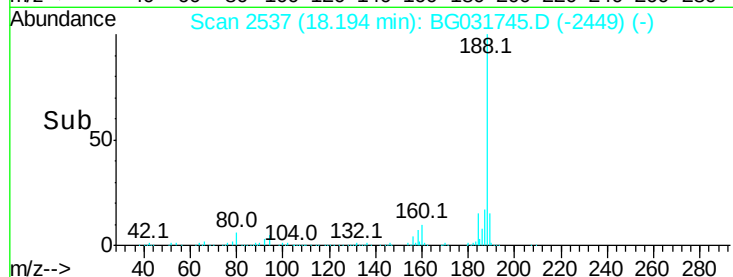
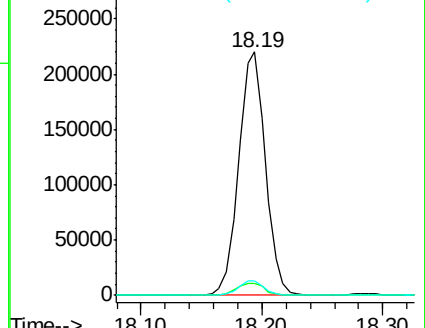
80 6.0 7.7 11.5#



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: 8.662 ng

RT: 16.92 min Scan# 2321

Delta R.T. 0.37 min

Lab File: BG031745.D

Acq: 23 Dec 2017 12:40

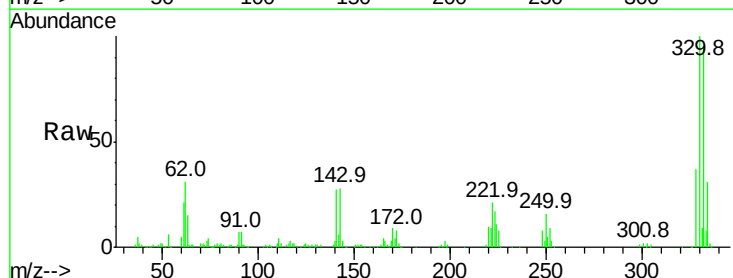
Tgt Ion:198 Resp: 712

Ion Ratio Lower Upper

198 100

51 85.9 30.6 70.6#

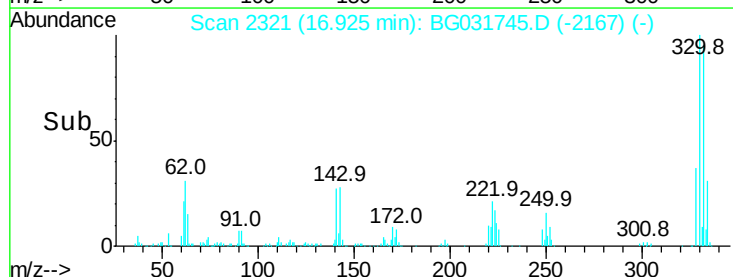
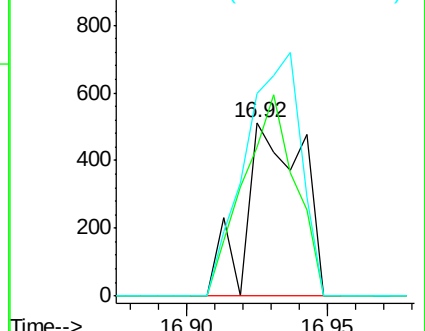
105 116.6 23.8 63.8#

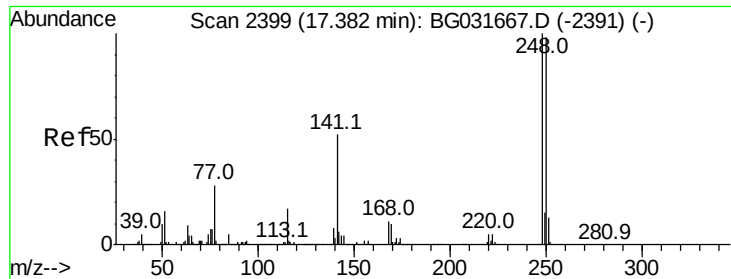


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

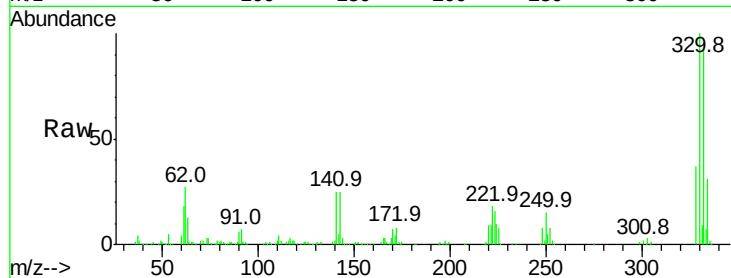




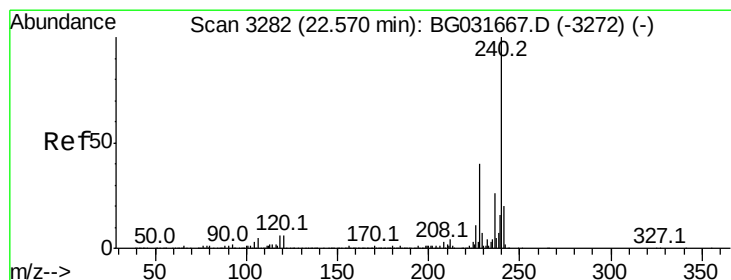
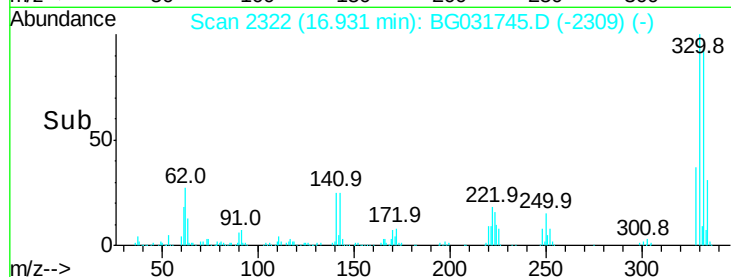
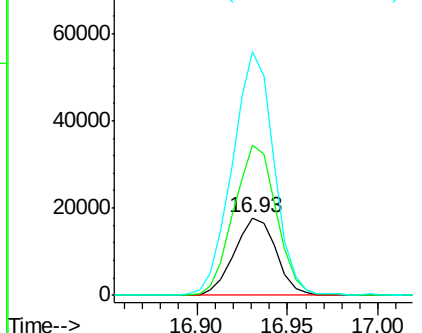
#66
 4-Bromophenyl-phenylether
 Concen: 5.769 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.45 min
 Lab File: BG031745.D
 Acq: 23 Dec 2017 12:40

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-122117-A

Tot Ion:248 Resp: 28345
 Ion Ratio Lower Upper
 248 100
 250 193.2 77.1 115.7#
 141 314.0 50.8 76.2#

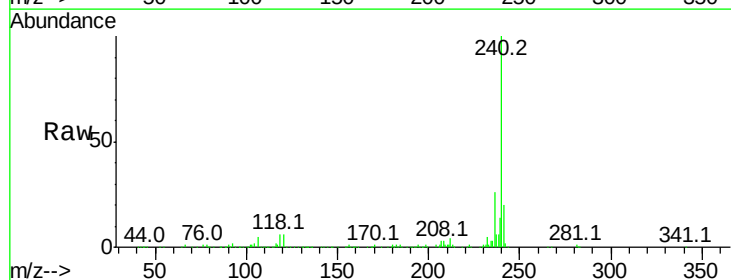


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

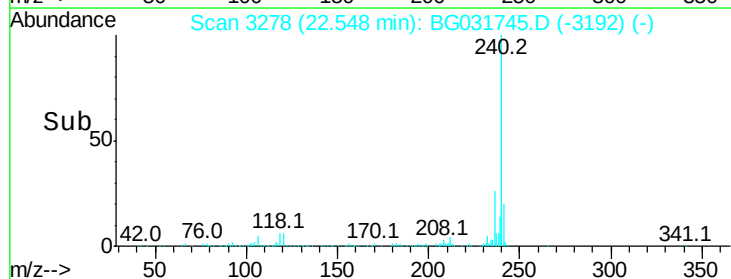
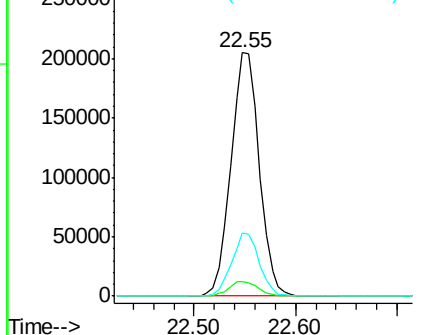


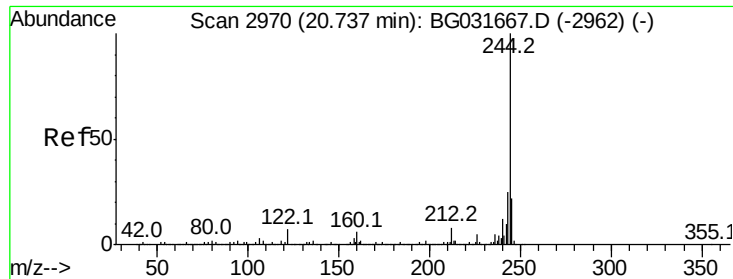
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.55 min Scan# 3278
 Delta R.T. -0.02 min
 Lab File: BG031745.D
 Acq: 23 Dec 2017 12:40

Tgt Ion:240 Resp: 396783
 Ion Ratio Lower Upper
 240 100
 120 5.9 6.8 10.2#
 236 26.1 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



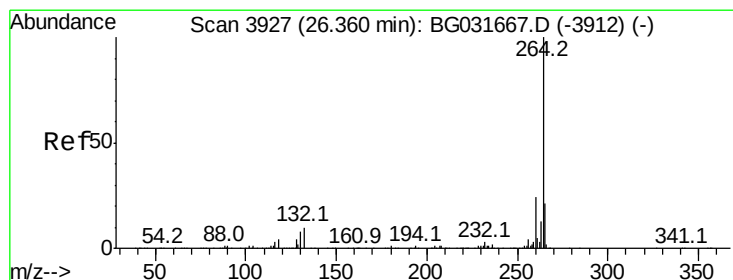
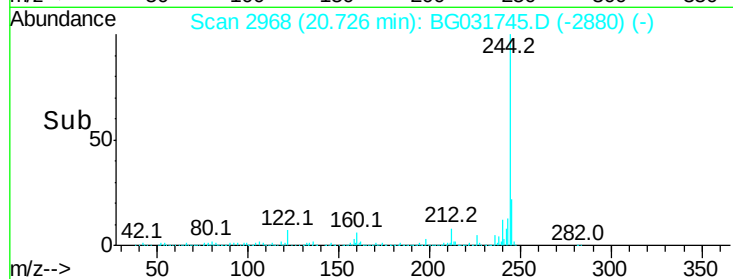
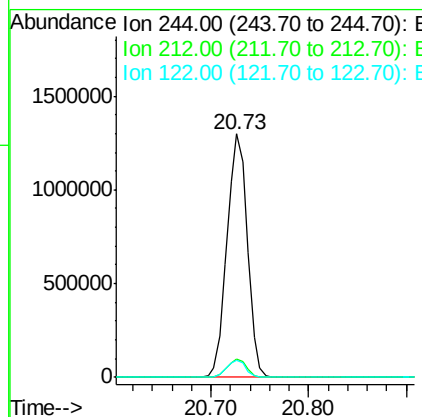
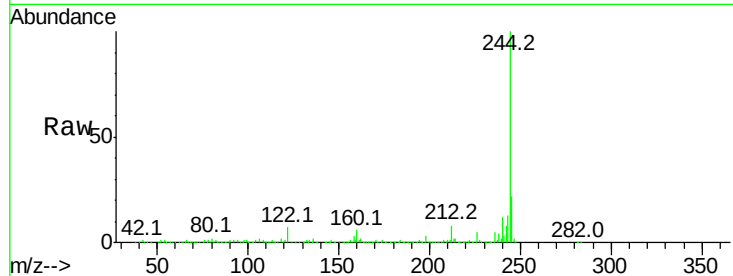


#78
 Terphenyl-d14
 Concen: 108.266 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. -0.01 min
 Lab File: BG031745.D
 Acq: 23 Dec 2017 12:40

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-122117-A

Tot Ion:244 Resp: 1880287

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	7.1	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.33 min Scan# 3922
 Delta R.T. -0.03 min
 Lab File: BG031745.D
 Acq: 23 Dec 2017 12:40

Tgt Ion:264 Resp: 430926

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	21.0	17.7	26.5

