

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031731.D
 Acq On : 23 Dec 2017 3:33
 Operator : SJ/JU
 Sample : I7004-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-9-121917

Quant Time: Dec 23 04:30:30 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

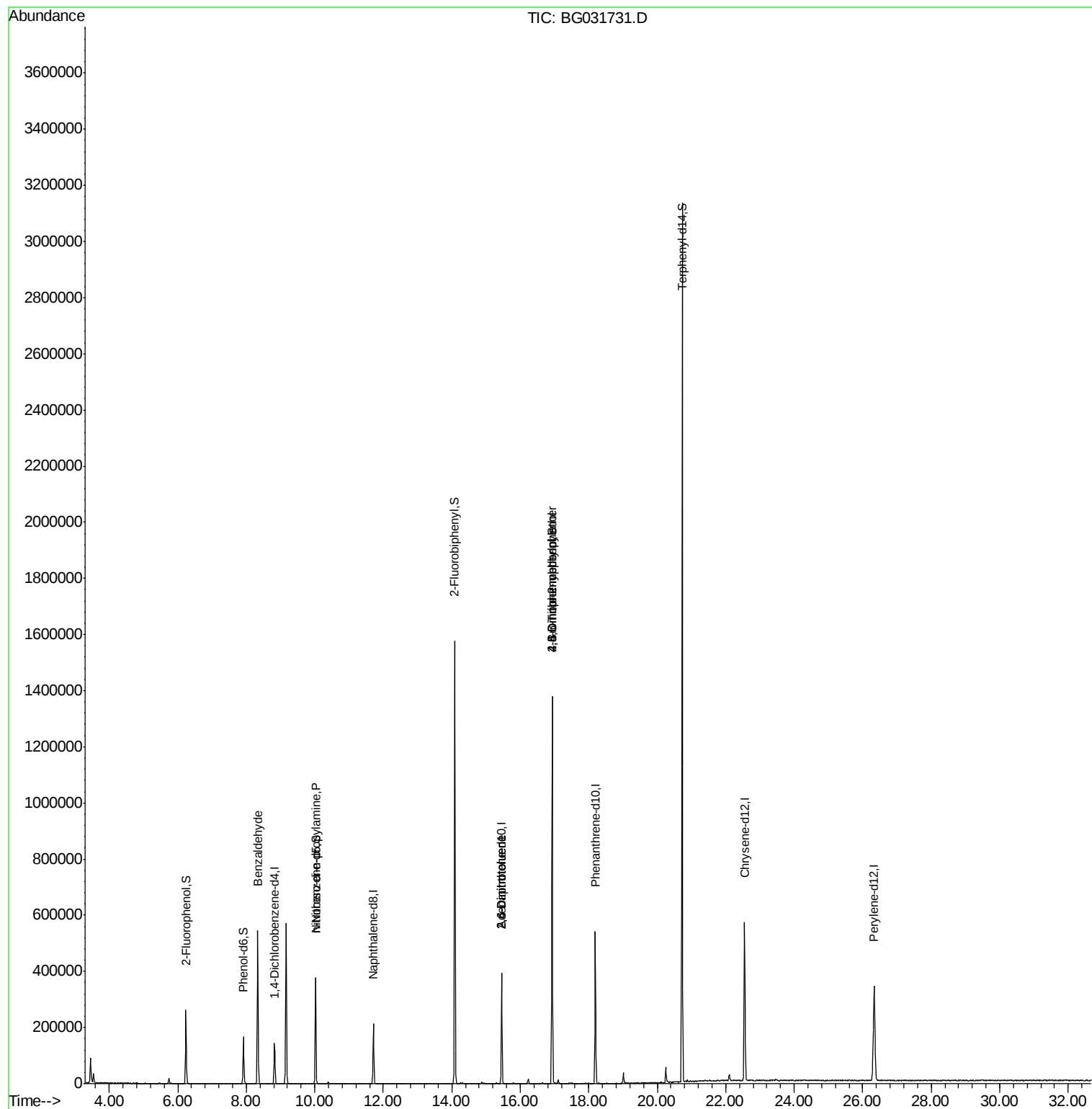
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	51877	20.00	ng	-0.01
21) Naphthalene-d8	11.71	136	212647	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	150151	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	386323	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	443576	20.00	ng	-0.02
86) Perylene-d12	26.34	264	474705	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	148249	52.05	ng	-0.01
7) Phenol-d6	7.92	99	112613	30.45	ng	-0.01
23) Nitrobenzene-d5	10.03	82	251970	89.48	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	328345	143.31	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	957473	80.04	ng	-0.01
78) Terphenyl-d14	20.73	244	1687732	86.93	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.33	77	6780	3.045	ng	98
19) n-Nitroso-di-n-propylamine	10.02	70	32611	12.913	ng	# 71
50) 2,6-Dinitrotoluene	15.46	165	19411	7.977	ng	# 19
56) 2,4-Dinitrotoluene	15.46	165	19411	6.204	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.93	198	745	8.634	ng	# 1
66) 4-Bromophenyl-phenylether	16.93	248	25991	4.653	ng	# 1

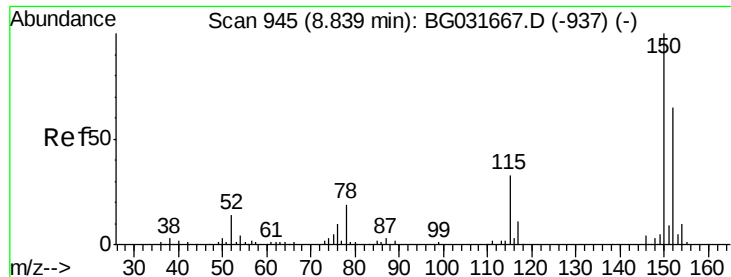
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 22 11:08:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.83 min Scan# 943

Delta R.T. -0.01 min

Lab File: BG031731.D

Acq: 23 Dec 2017 3:33

Instrument :

BNA_G

ClientSampleId :

C-MW-9-121917

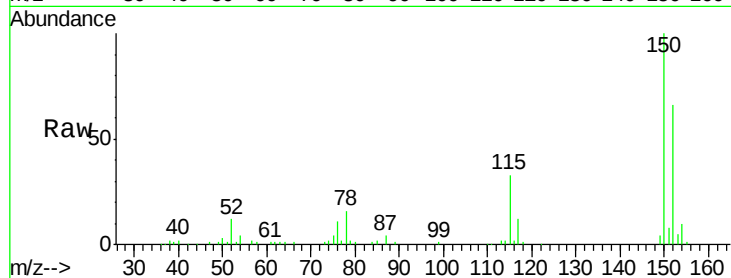
Tot Ion:152 Resp: 51877

Ion Ratio Lower Upper

152 100

150 152.2 126.6 189.8

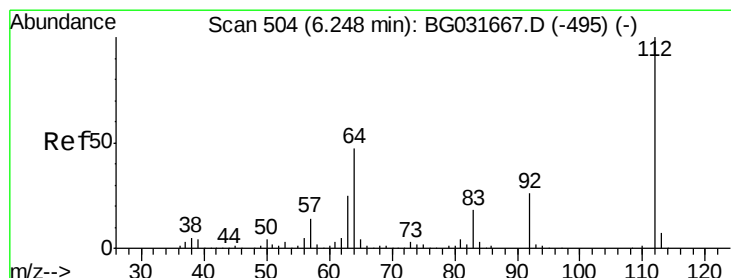
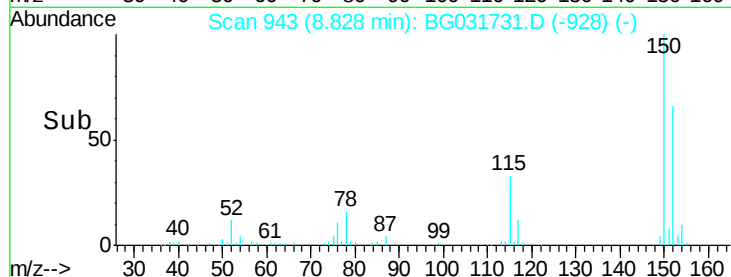
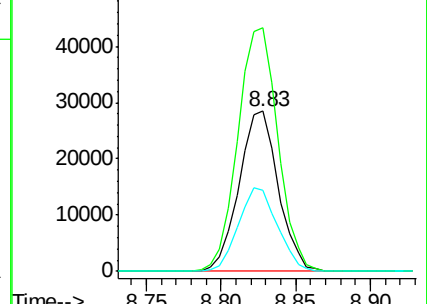
115 50.6 53.0 79.4#



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: 52.050 ng

RT: 6.24 min Scan# 502

Delta R.T. -0.01 min

Lab File: BG031731.D

Acq: 23 Dec 2017 3:33

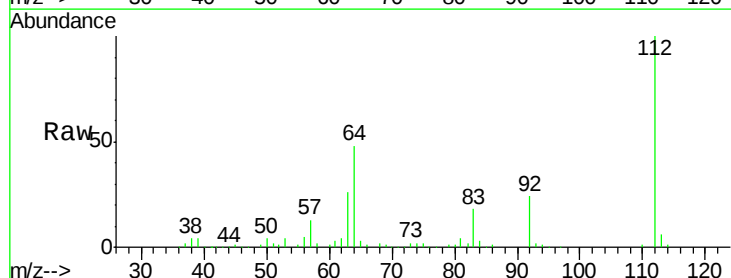
Tgt Ion:112 Resp: 148249

Ion Ratio Lower Upper

112 100

64 47.8 56.3 84.5#

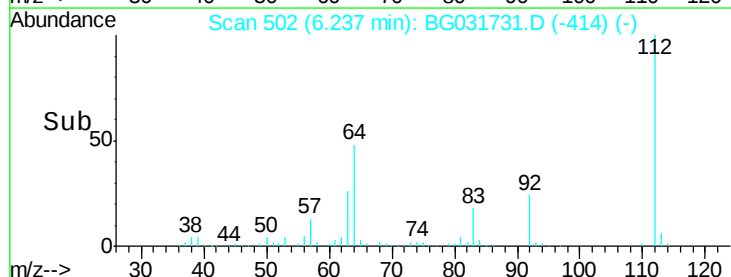
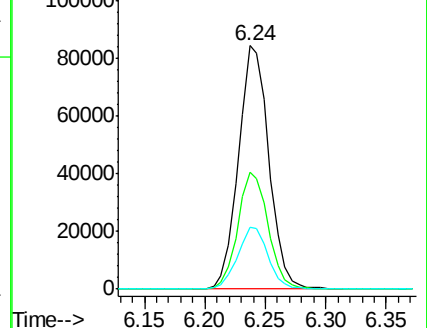
63 25.6 30.1 45.1#

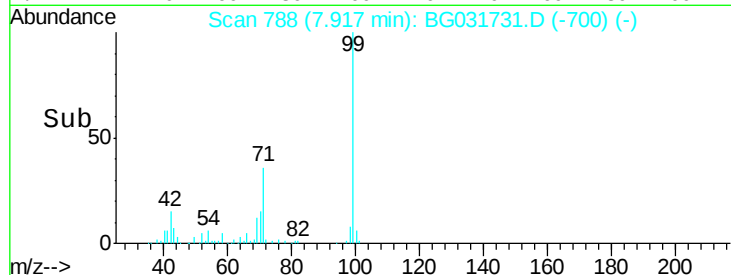
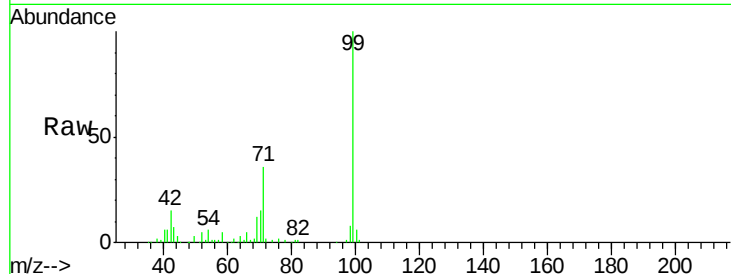
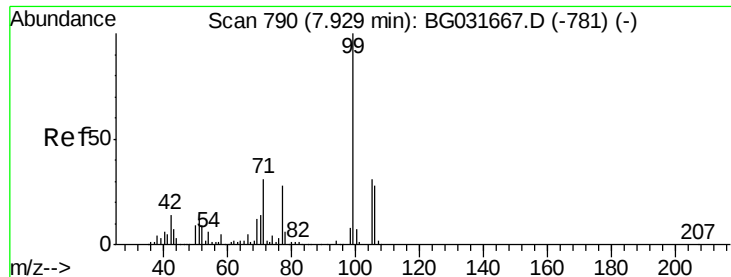


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 30.453 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031731.D

Acq: 23 Dec 2017 3:33

Instrument :

BNA_G

ClientSampleId :

C-MW-9-121917

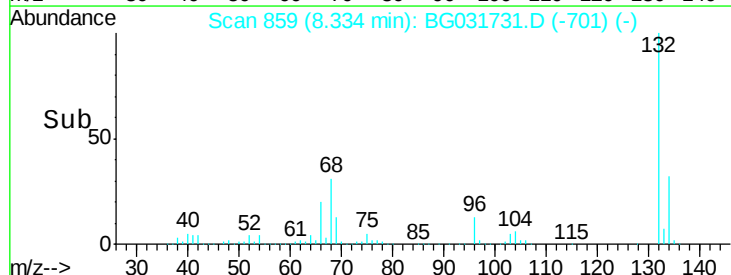
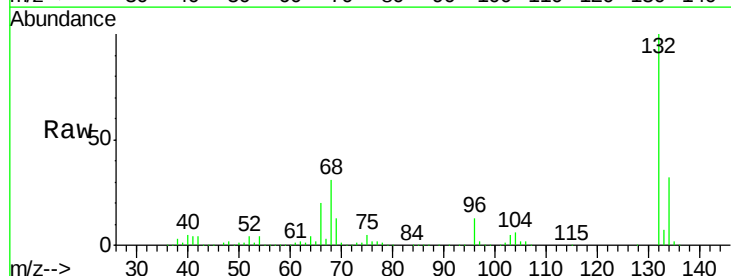
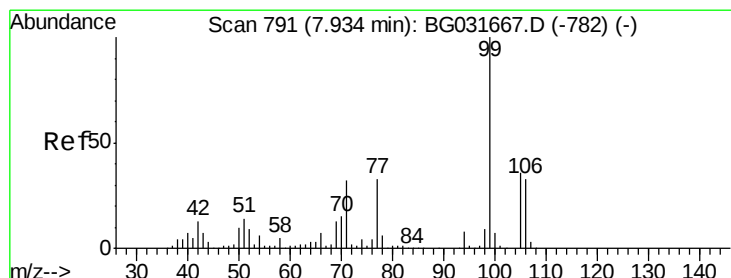
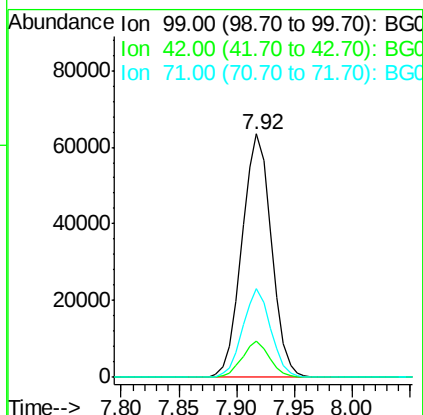
Tot Ion: 99 Resp: 112613

Ion Ratio Lower Upper

99 100

42 15.0 14.1 21.1

71 36.4 26.1 39.1



#9

Benzaldehyde

Concen: 3.045 ng

RT: 8.33 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031731.D

Acq: 23 Dec 2017 3:33

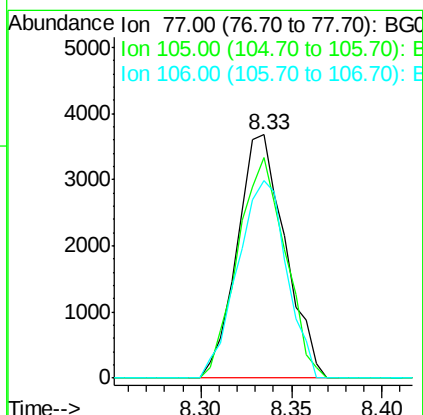
Tgt Ion: 77 Resp: 6780

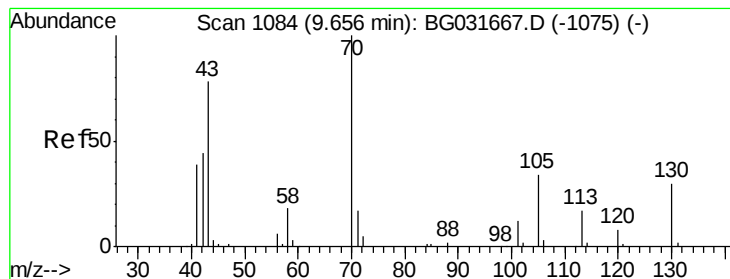
Ion Ratio Lower Upper

77 100

105 90.6 71.3 111.3

106 81.3 64.2 104.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.913 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.36 min

Lab File: BG031731.D

Acq: 23 Dec 2017 3:33

Instrument :

BNA_G

ClientSampleId :

C-MW-9-121917

Tot Ion: 70 Resp: 32611

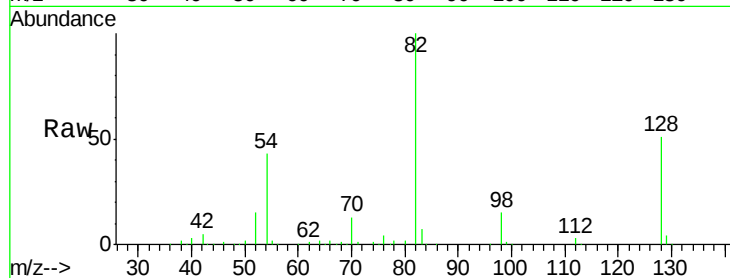
Ion Ratio Lower Upper

70 100

42 40.5 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

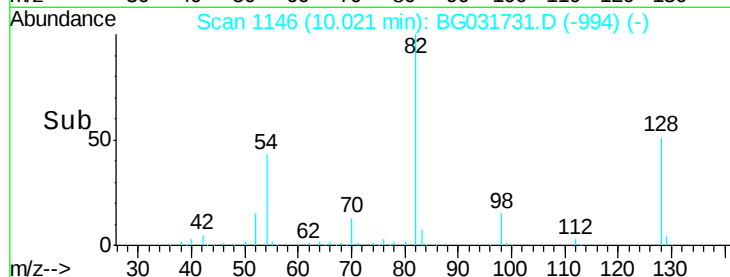


Abundance Ion 70.00 (69.70 to 70.70): BGC

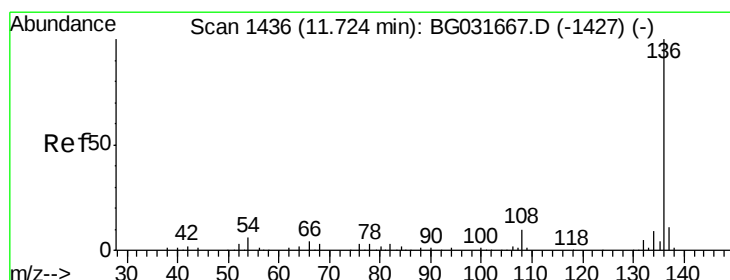
Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.71 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031731.D

Acq: 23 Dec 2017 3:33

Tgt Ion: 136 Resp: 212647

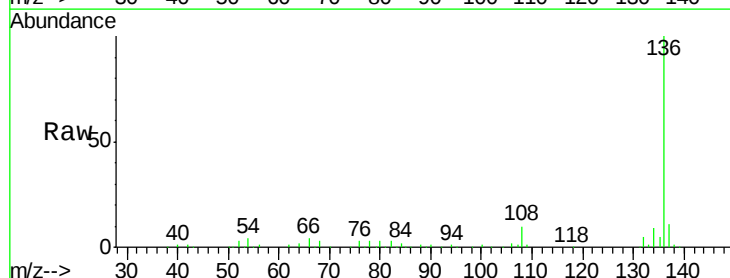
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 4.3 10.3 15.5#

68 3.4 4.5 6.7#

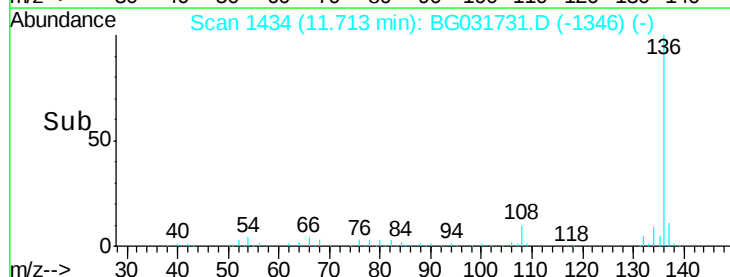


Abundance Ion 136.00 (135.70 to 136.70): BGC

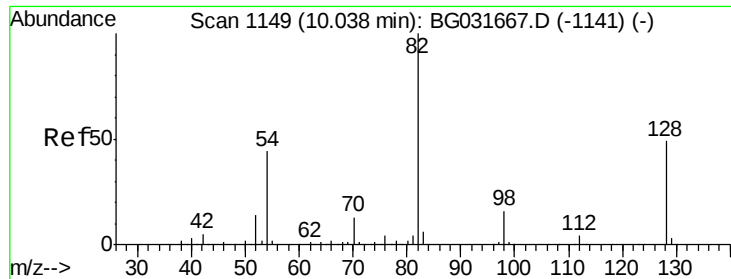
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



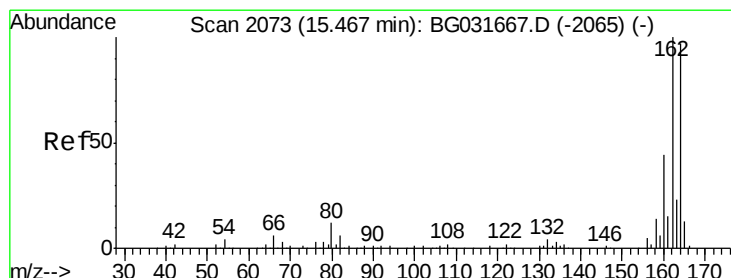
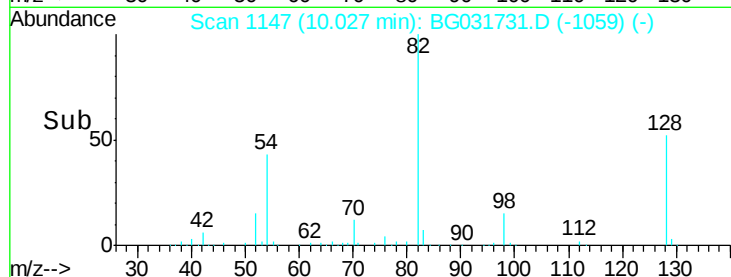
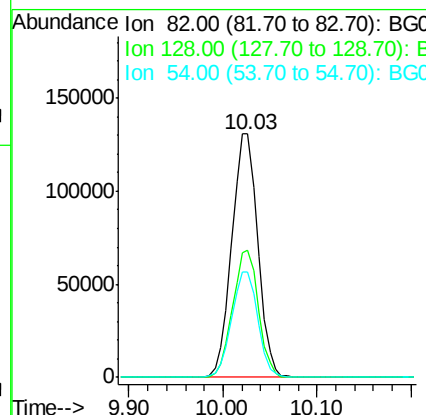
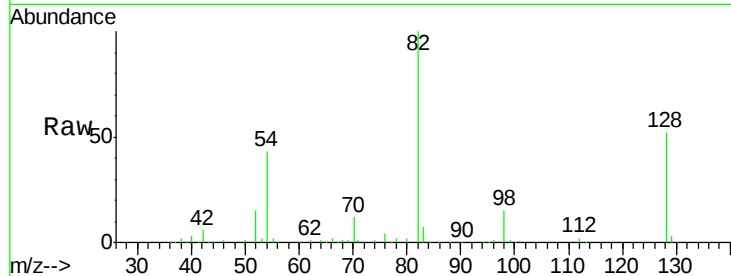
Time-->



#23
 Nitrobenzene-d5
 Concen: 89.476 ng
 RT: 10.03 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BG031731.D
 Acq: 23 Dec 2017 3:33

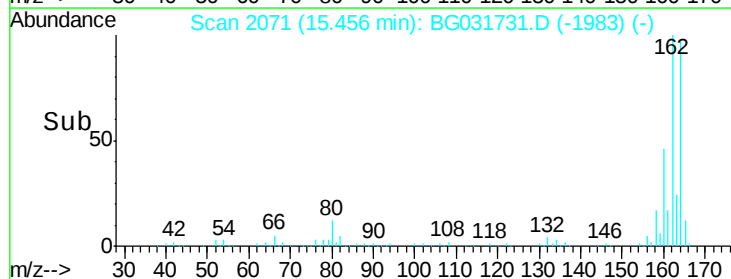
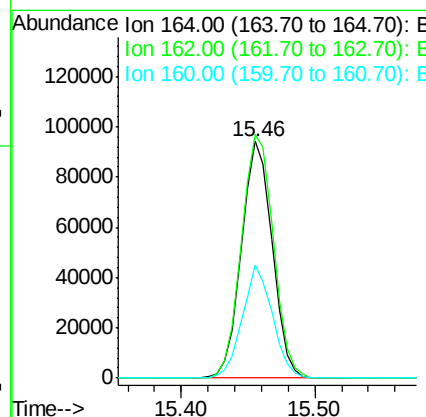
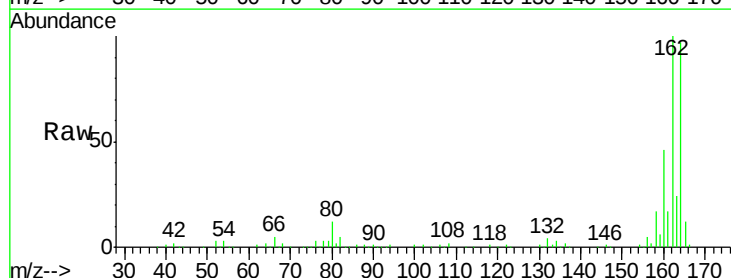
Instrument :
 BNA_G
 ClientSampleId :
 C-MW-9-121917

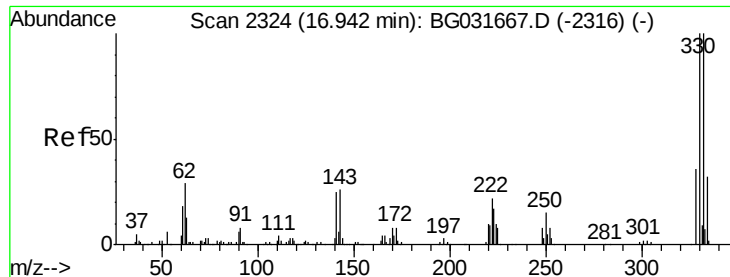
Tot Ion: 82 Resp: 251970
 Ion Ratio Lower Upper
 82 100
 128 52.3 29.7 44.5#
 54 43.5 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: BG031731.D
 Acq: 23 Dec 2017 3:33

Tgt Ion: 164 Resp: 150151
 Ion Ratio Lower Upper
 164 100
 162 102.7 78.8 118.2
 160 47.7 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 143.313 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031731.D

Acq: 23 Dec 2017 3:33

Instrument :

BNA_G

ClientSampleId :

C-MW-9-121917

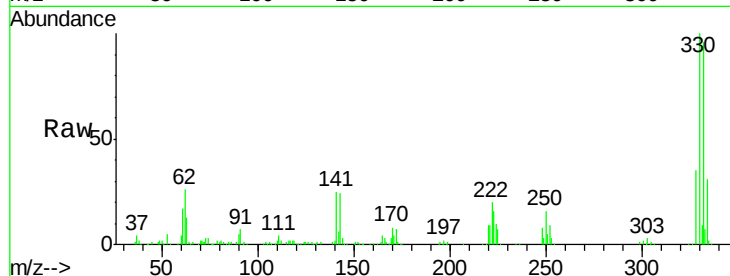
Tot Ion:330 Resp: 328345

Ion Ratio Lower Upper

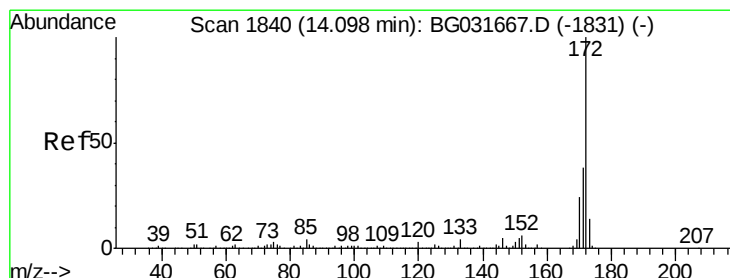
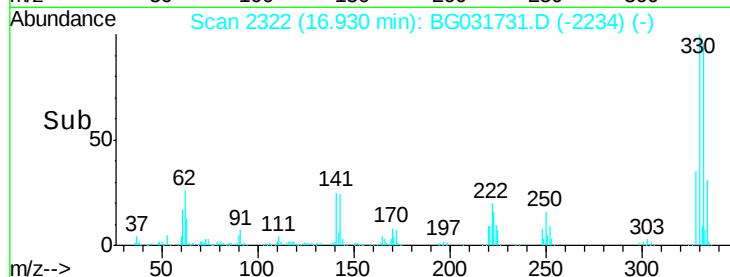
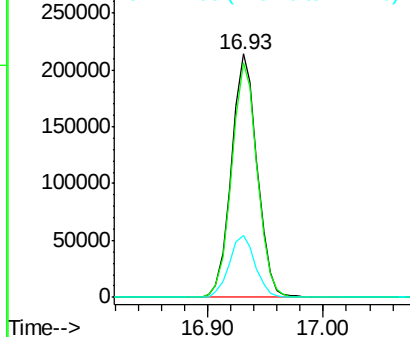
330 100

332 95.8 77.0 115.6

141 25.6 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: 80.037 ng

RT: 14.09 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BG031731.D

Acq: 23 Dec 2017 3:33

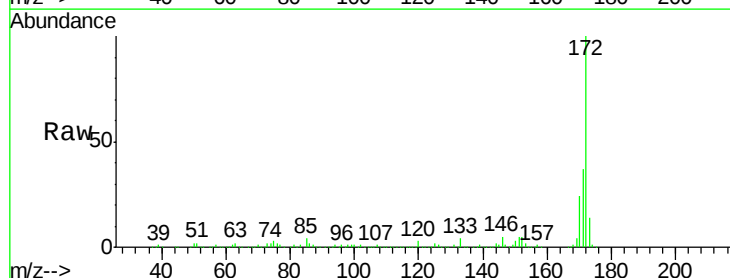
Tgt Ion:172 Resp: 957473

Ion Ratio Lower Upper

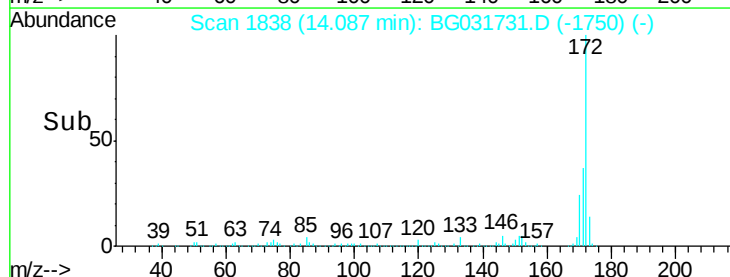
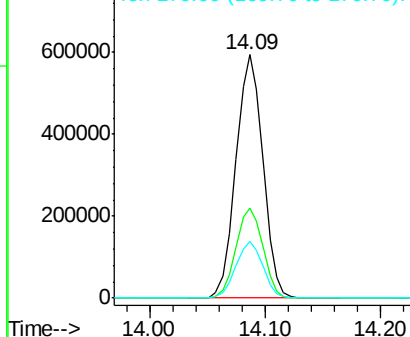
172 100

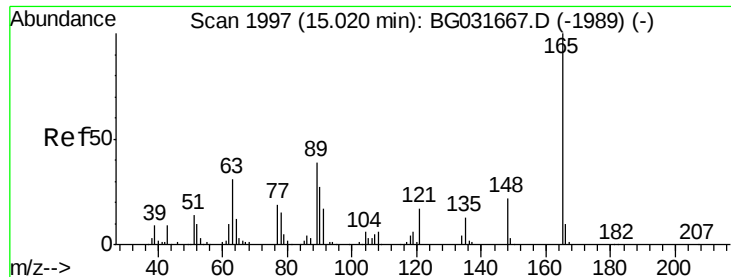
171 37.1 30.0 45.0

170 23.6 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

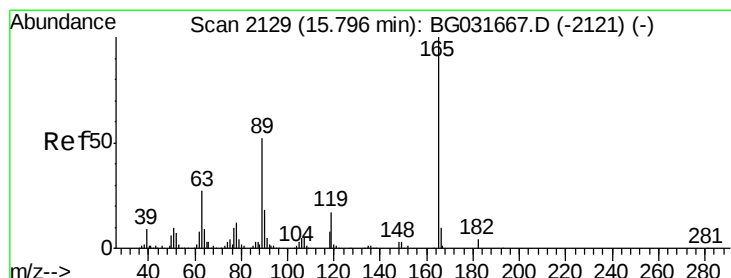
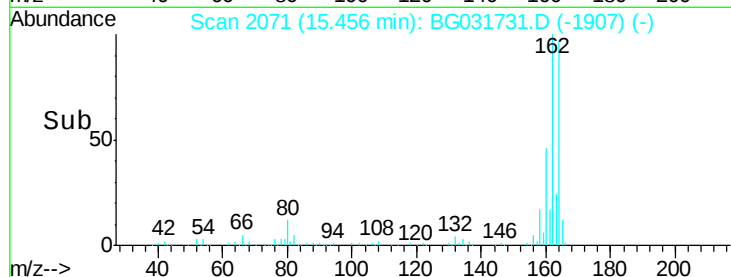
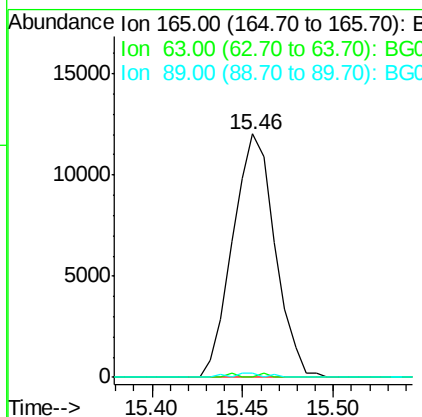
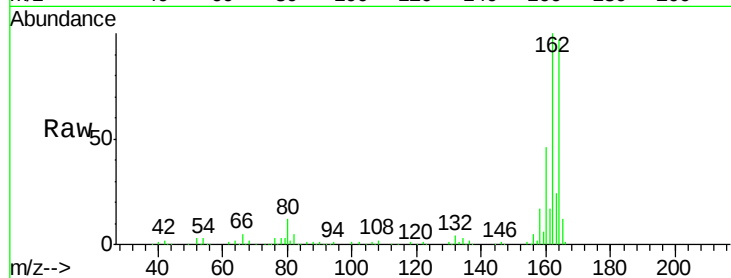




#50
 2,6-Dinitrotoluene
 Concen: 7.977 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. 0.44 min
 Lab File: BG031731.D
 Acq: 23 Dec 2017 3:33

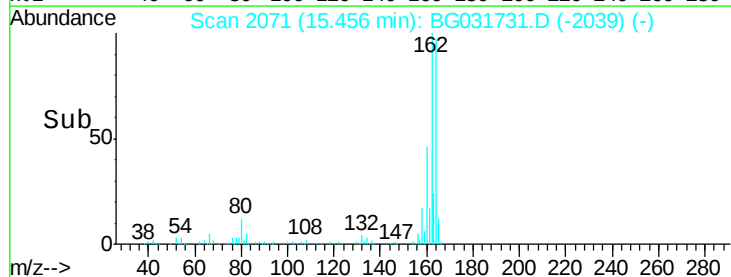
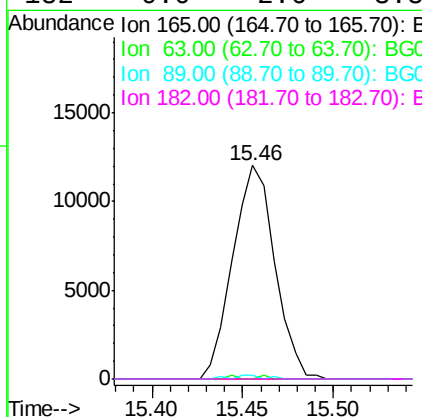
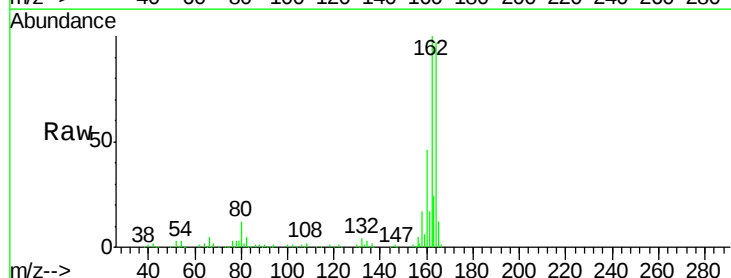
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 BNA_G
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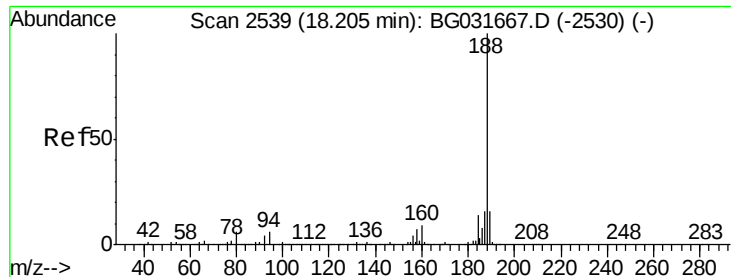
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.6	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.204 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.34 min
 Lab File: BG031731.D
 Acq: 23 Dec 2017 3:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.6	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031731.D

Acq: 23 Dec 2017 3:33

Instrument :

BNA_G

ClientSampleId :

C-MW-9-121917

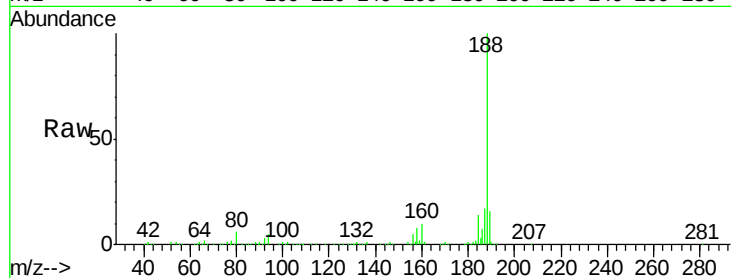
Tot Ion:188 Resp: 386323

Ion Ratio Lower Upper

188 100

94 5.3 6.9 10.3#

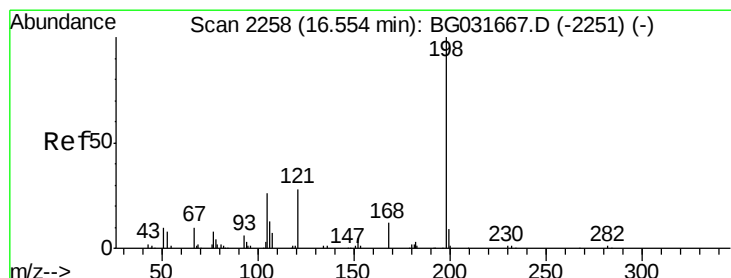
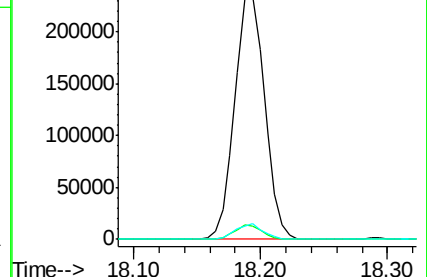
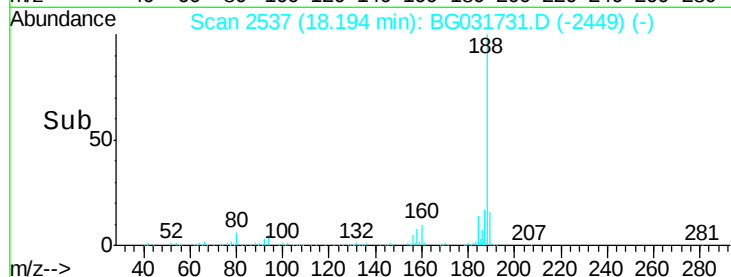
80 6.3 7.7 11.5#



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: 8.634 ng

RT: 16.93 min Scan# 2322

Delta R.T. 0.38 min

Lab File: BG031731.D

Acq: 23 Dec 2017 3:33

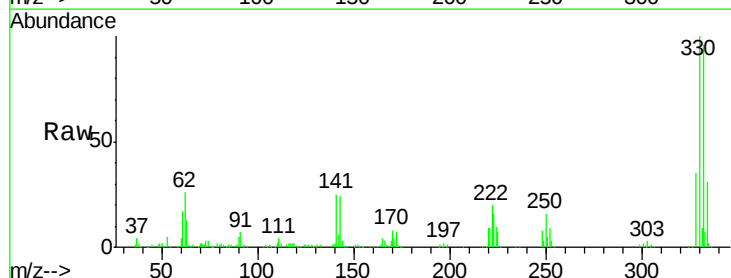
Tgt Ion:198 Resp: 745

Ion Ratio Lower Upper

198 100

51 123.7 30.6 70.6#

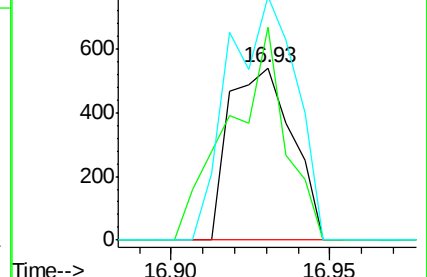
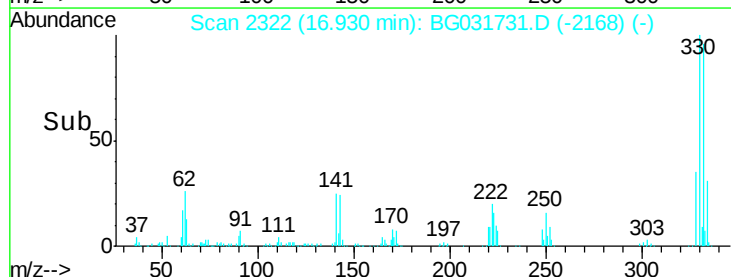
105 141.4 23.8 63.8#

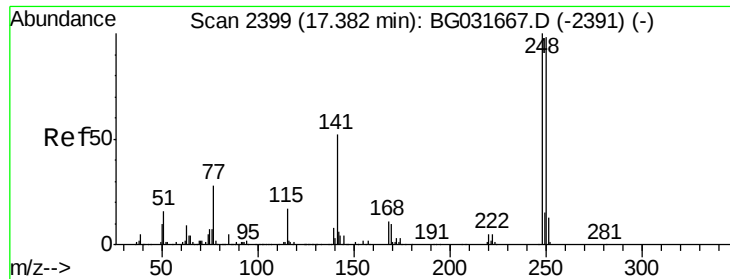


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

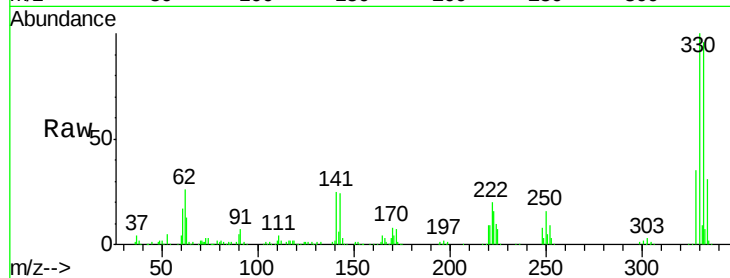




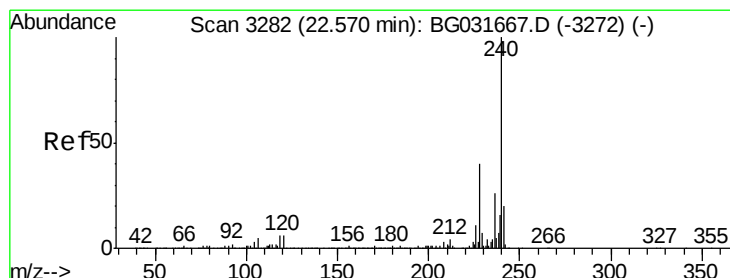
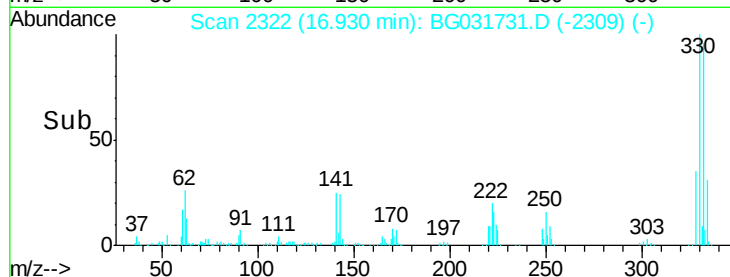
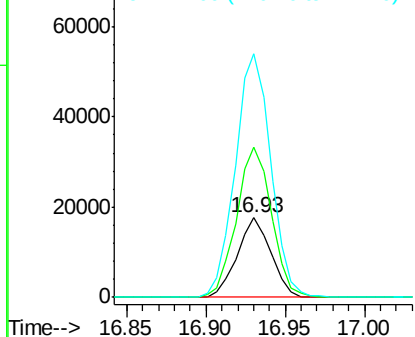
#66
4-Bromophenyl-phenylether
Concen: 4.653 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031731.D
Acq: 23 Dec 2017 3:33

Instrument :
BNA_G
ClientSampleId :
C-MW-9-121917

Tot Ion:248 Resp: 25991
Ion Ratio Lower Upper
248 100
250 189.6 77.1 115.7#
141 306.9 50.8 76.2#

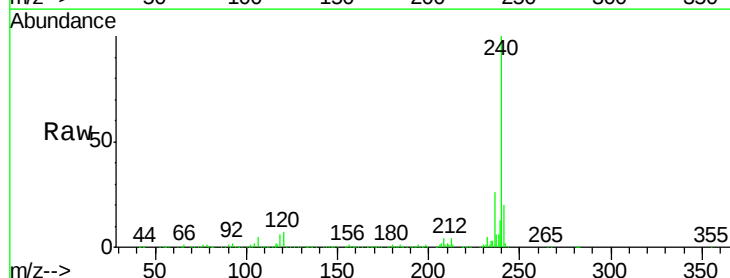


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

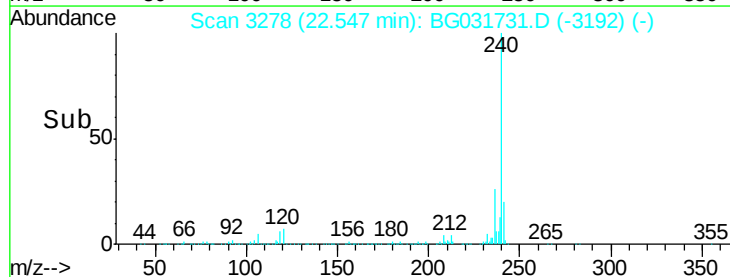
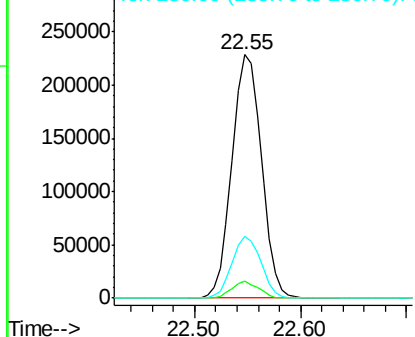


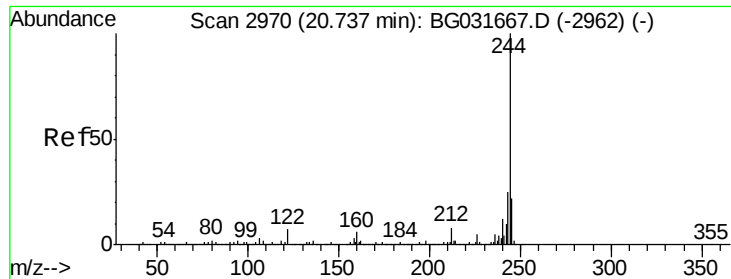
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3278
Delta R.T. -0.02 min
Lab File: BG031731.D
Acq: 23 Dec 2017 3:33

Tgt Ion:240 Resp: 443576
Ion Ratio Lower Upper
240 100
120 6.8 6.8 10.2
236 25.6 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

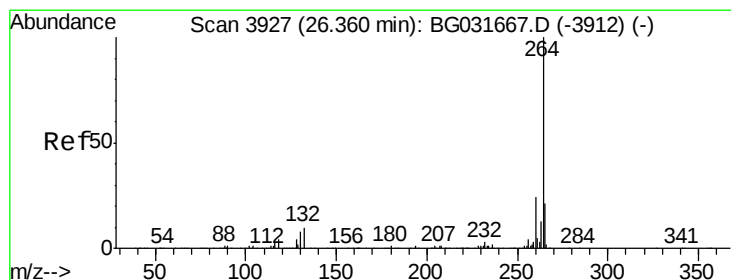
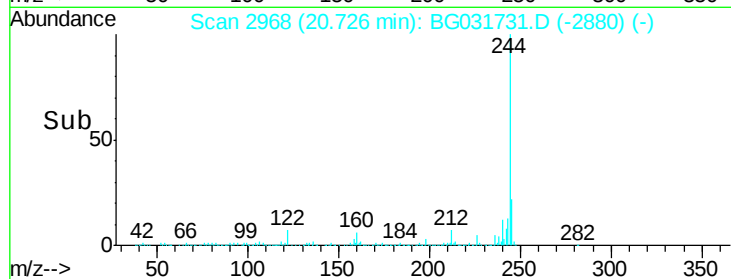
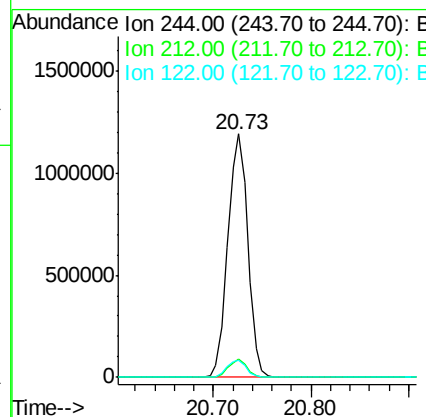
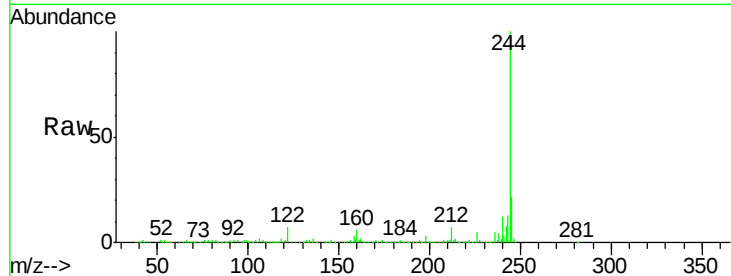




#78
 Terphenyl-d14
 Concen: 86.927 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. -0.01 min
 Lab File: BG031731.D
 Acq: 23 Dec 2017 3:33

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-9-121917

Tot Ion:244 Resp: 1687732
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 6.9 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.34 min Scan# 3923
 Delta R.T. -0.02 min
 Lab File: BG031731.D
 Acq: 23 Dec 2017 3:33

Tgt Ion:264 Resp: 474705
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.4 26.0
 265 20.8 17.7 26.5

