

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031701.D
 Acq On : 22 Dec 2017 8:38
 Operator : SJ/JU
 Sample : I6681-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 09:50:37 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 03:38:35 2017
 Response via : Initial Calibration

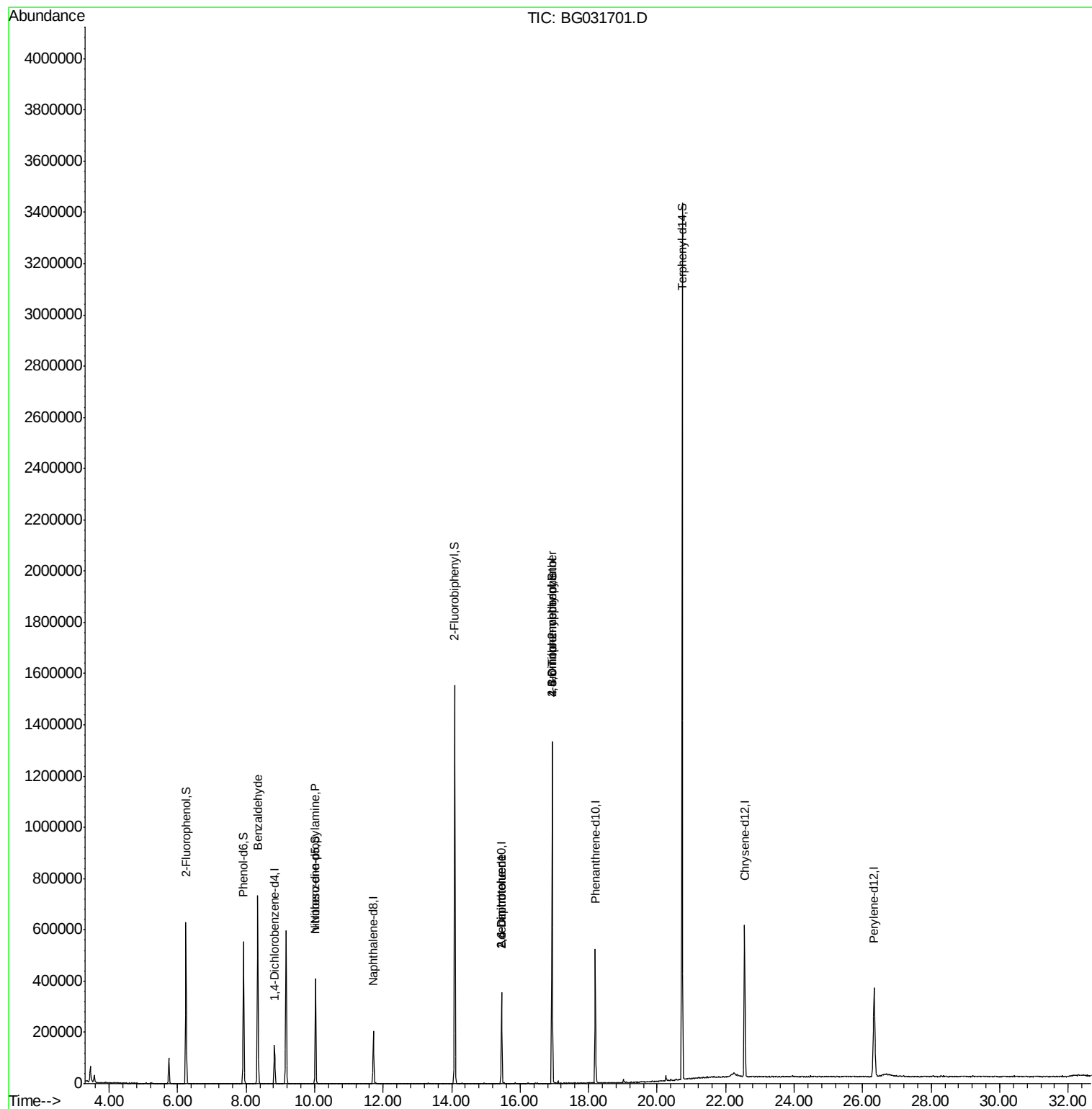
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	53121	20.00	ng	-0.01
21) Naphthalene-d8	11.72	136	205556	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	139291	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	371104	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	452116	20.00	ng	-0.02
86) Perylene-d12	26.34	264	476404	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	355473	121.88	ng	0.00
7) Phenol-d6	7.92	99	395414	104.42	ng	0.00
23) Nitrobenzene-d5	10.02	82	261655	96.12	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	326357	153.55	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	951538	85.74	ng	0.00
78) Terphenyl-d14	20.73	244	1866924	94.34	ng	0.00
Target Compounds						
9) Benzaldehyde	8.34	77	8704	3.817	ng	91
19) n-Nitroso-di-n-propylamine	10.02	70	33969	13.136	ng	# 69
50) 2,6-Dinitrotoluene	15.46	165	18075	8.007	ng	# 19
56) 2,4-Dinitrotoluene	15.46	165	18075	6.227	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.93	198	911	8.723	ng	# 67
66) 4-Bromophenyl-phenylether	16.93	248	26260	4.893	ng	# 1

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

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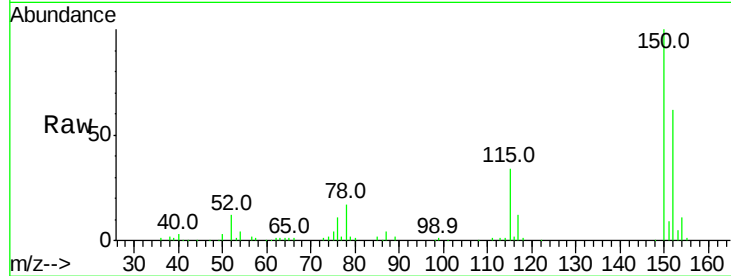


#1

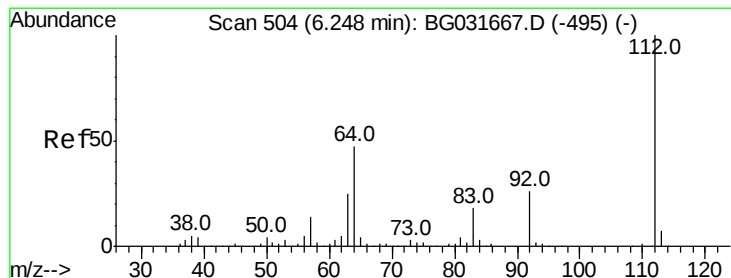
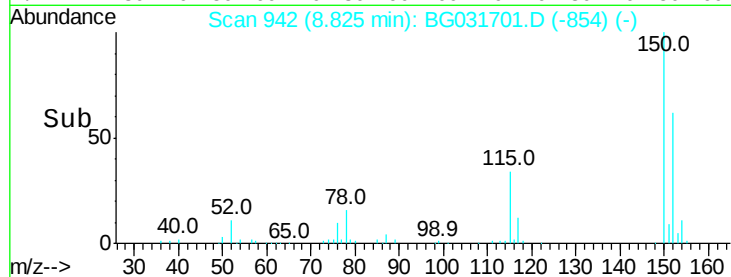
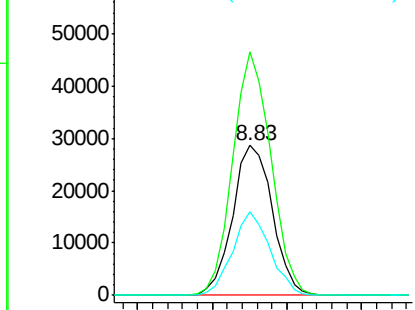
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: BG031701.D
Acq: 22 Dec 2017 8:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.3	126.6	189.8
115	55.7	53.0	79.4



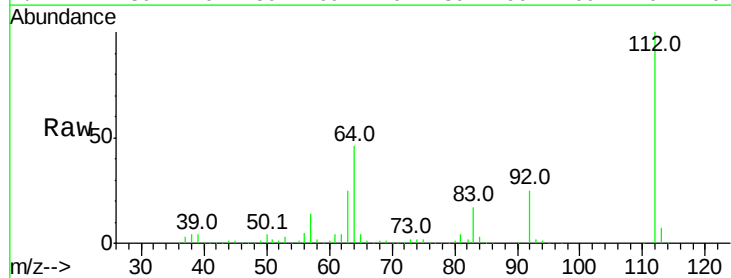
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



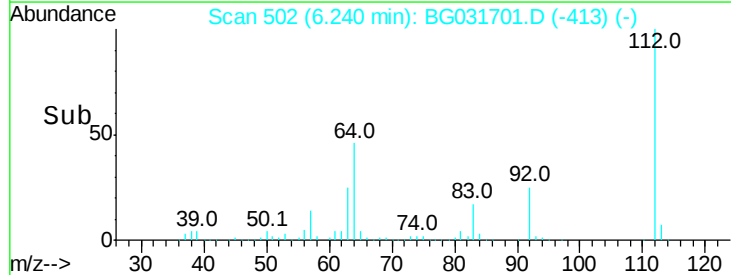
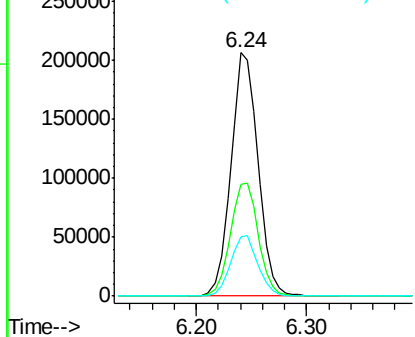
#5

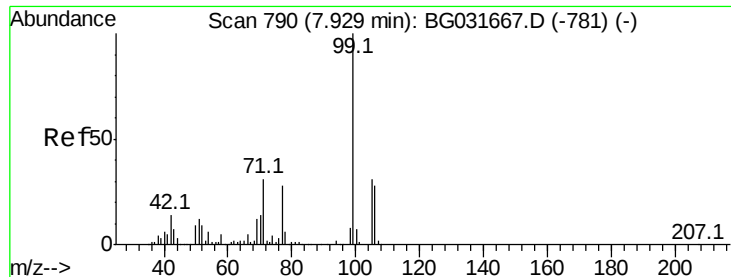
2-Fluorophenol
Concen: 121.883 ng
RT: 6.24 min Scan# 502
Delta R.T. -0.01 min
Lab File: BG031701.D
Acq: 22 Dec 2017 8:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.2	56.3	84.5#
63	24.6	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: 104.424 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031701.D

Acq: 22 Dec 2017 8:38

Instrument :

BNA_G

ClientSampled :

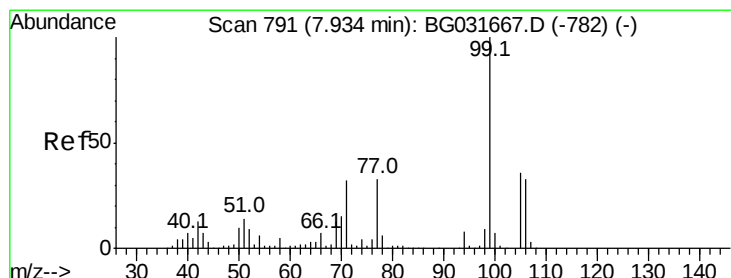
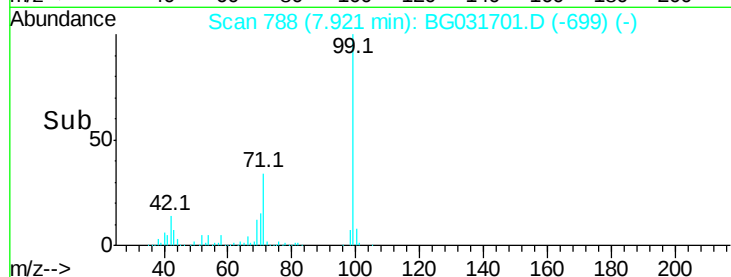
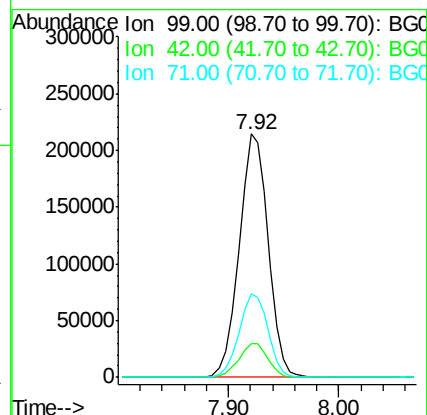
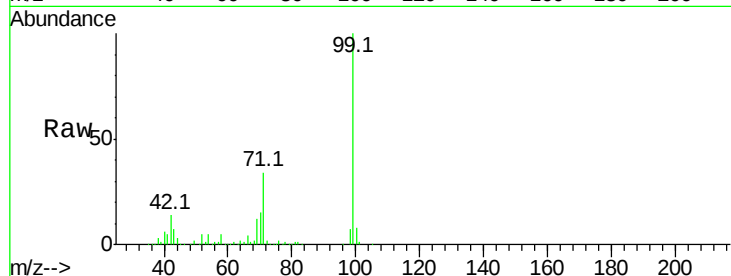
Tot Ion: 99 Resp: 395414

Ion Ratio Lower Upper

99 100

42 13.7 14.1 21.1#

71 34.3 26.1 39.1



#9

Benzaldehyde

Concen: 3.817 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031701.D

Acq: 22 Dec 2017 8:38

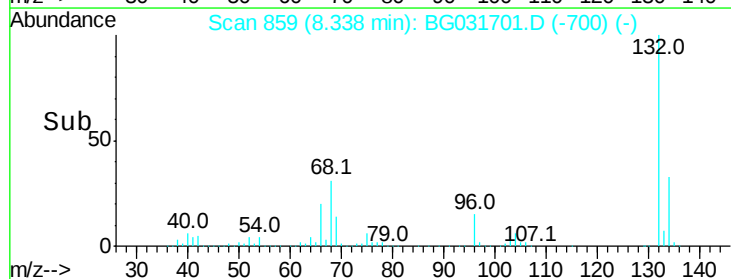
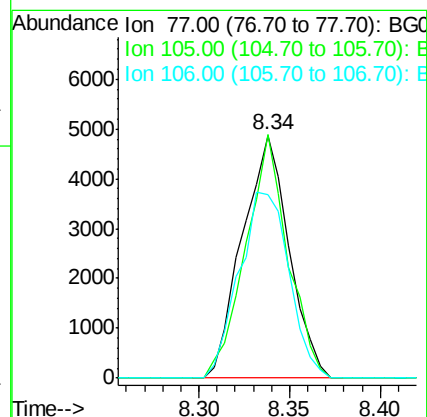
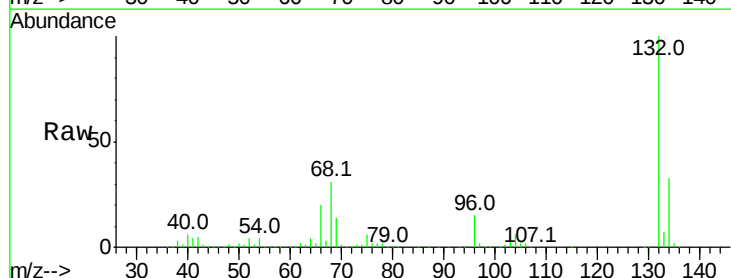
Tgt Ion: 77 Resp: 8704

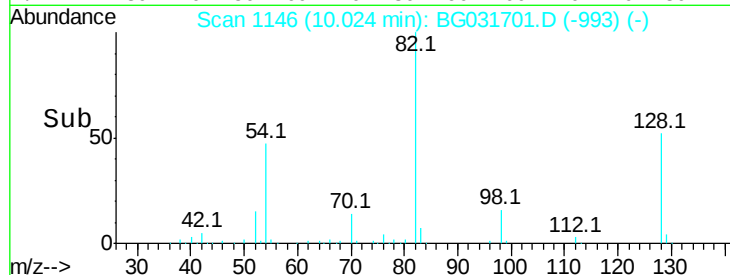
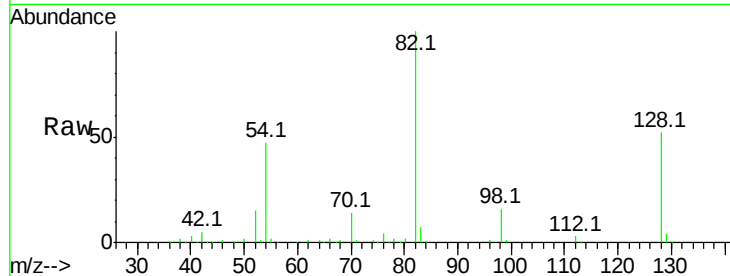
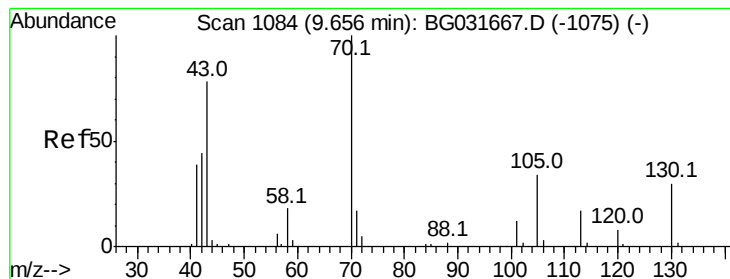
Ion Ratio Lower Upper

77 100

105 100.4 71.3 111.3

106 75.7 64.2 104.2





#19

n-Nitroso-di-n-propylamine

Concen: 13.136 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.37 min

Lab File: BG031701.D

Acq: 22 Dec 2017 8:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 33969

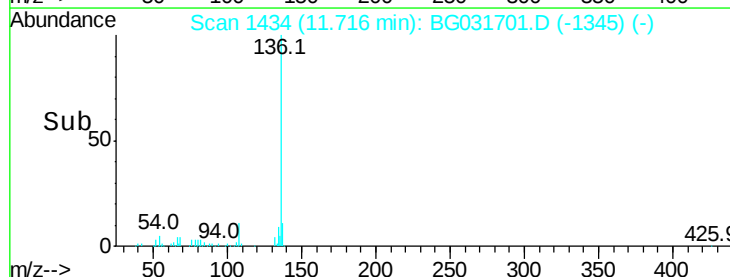
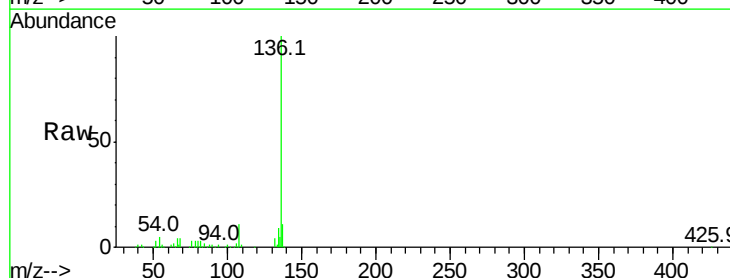
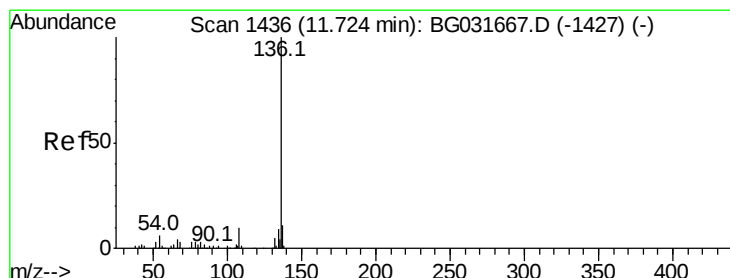
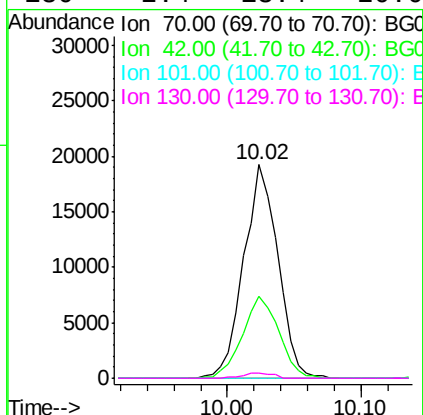
Ion Ratio Lower Upper

70 100

42 38.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.72 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031701.D

Acq: 22 Dec 2017 8:38

Tgt Ion: 136 Resp: 205556

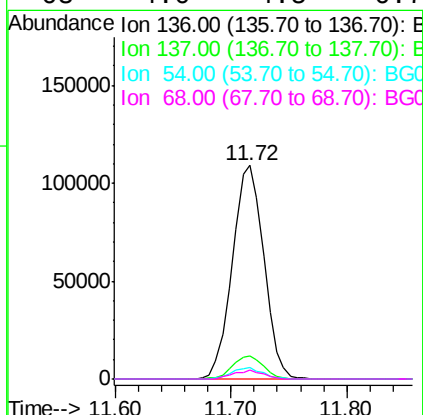
Ion Ratio Lower Upper

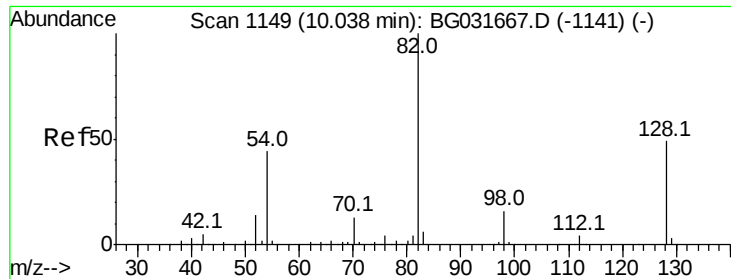
136 100

137 10.9 9.2 13.8

54 5.4 10.3 15.5#

68 4.0 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 96.120 ng

RT: 10.02 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BG031701.D

Acq: 22 Dec 2017 8:38

Instrument :

BNA_G

ClientSampleId :

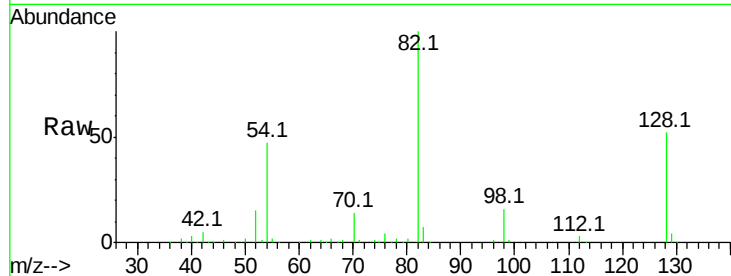
Tot Ion: 82 Resp: 261655

Ion Ratio Lower Upper

82 100

128 52.0 29.7 44.5#

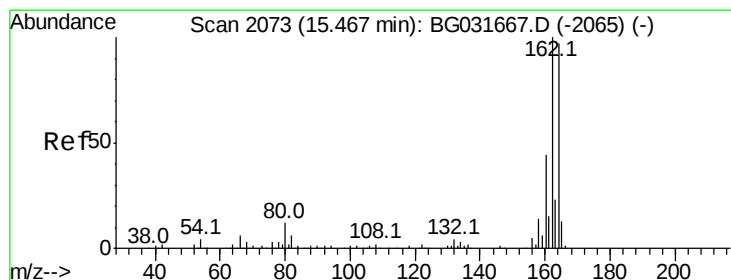
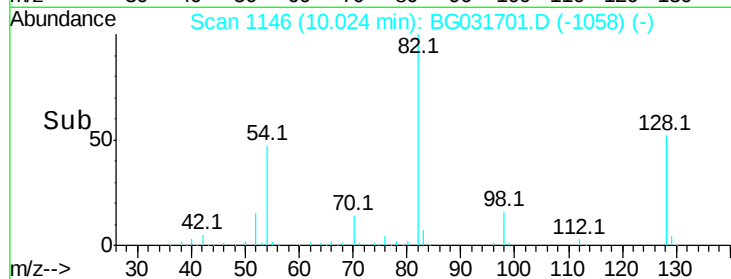
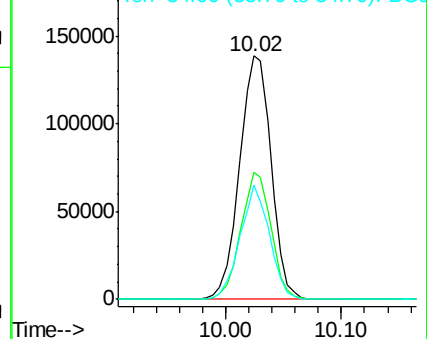
54 46.7 43.1 64.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BG031701.D

Acq: 22 Dec 2017 8:38

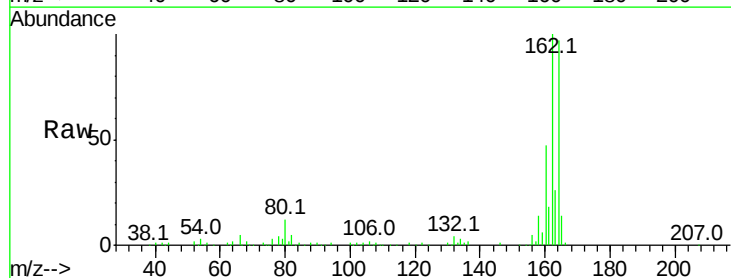
Tgt Ion:164 Resp: 139291

Ion Ratio Lower Upper

164 100

162 102.8 78.8 118.2

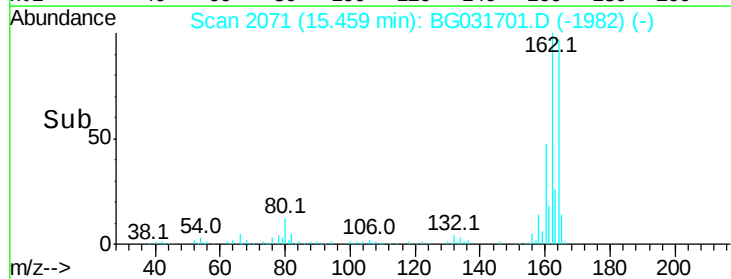
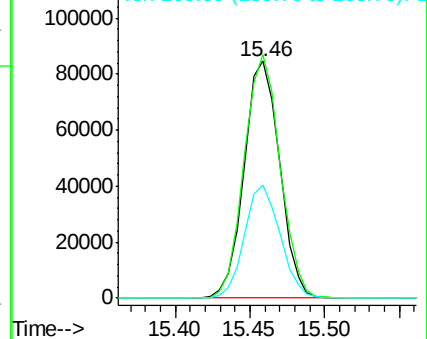
160 47.8 35.4 53.0

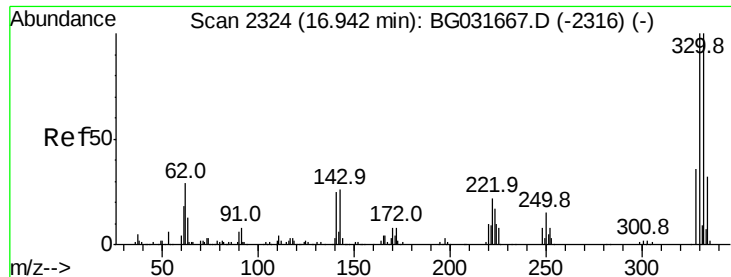


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 153.552 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031701.D

Acq: 22 Dec 2017 8:38

Instrument :

BNA_G

ClientSampled :

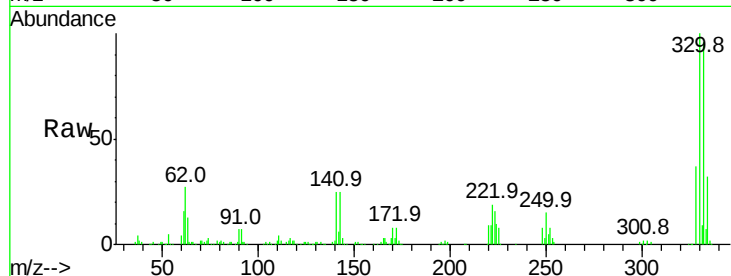
Tot Ion:330 Resp: 326357

Ion Ratio Lower Upper

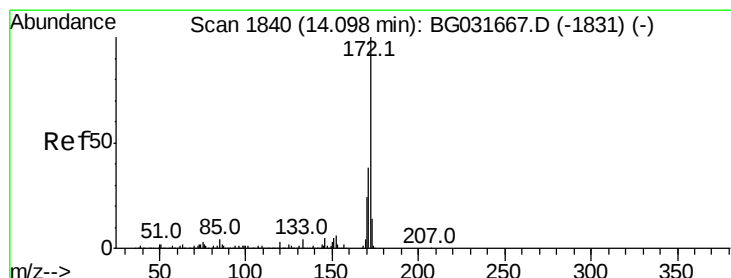
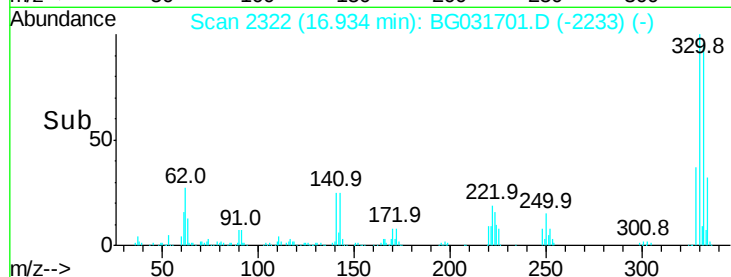
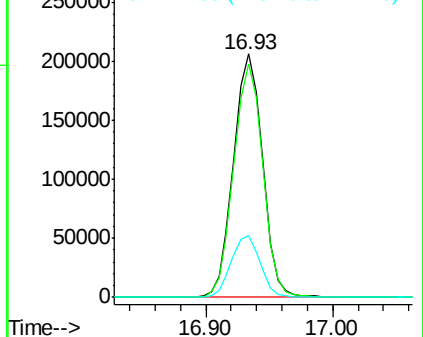
330 100

332 96.3 77.0 115.6

141 25.4 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: 85.742 ng

RT: 14.09 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BG031701.D

Acq: 22 Dec 2017 8:38

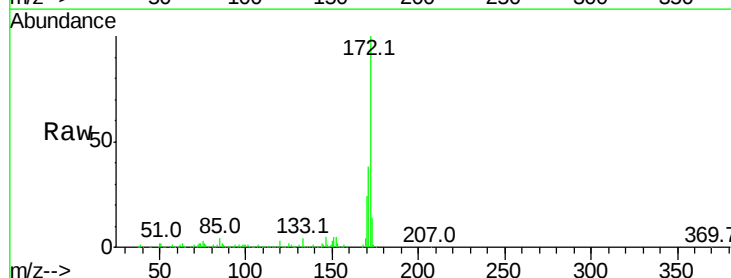
Tgt Ion:172 Resp: 951538

Ion Ratio Lower Upper

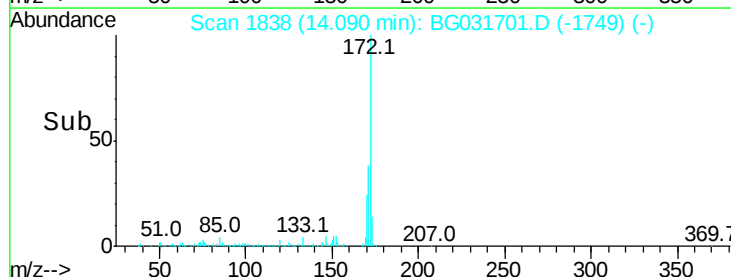
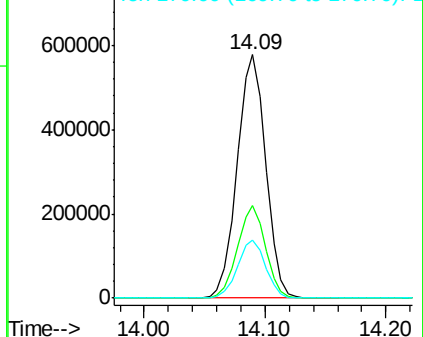
172 100

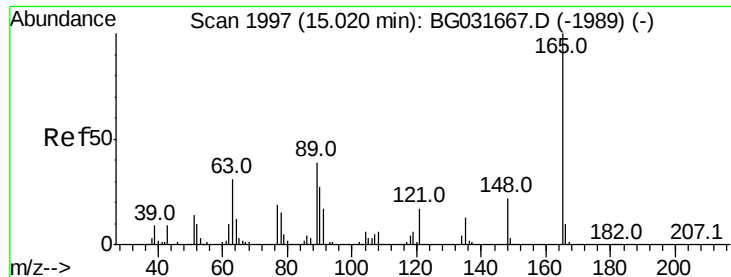
171 38.2 30.0 45.0

170 23.8 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

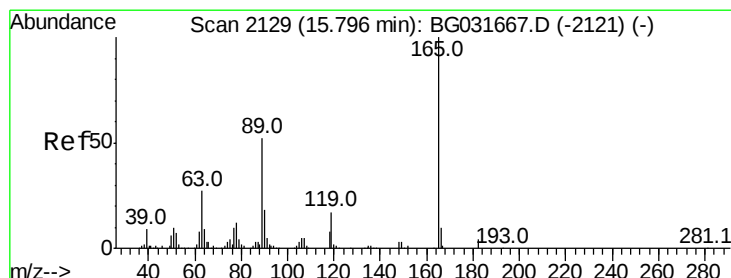
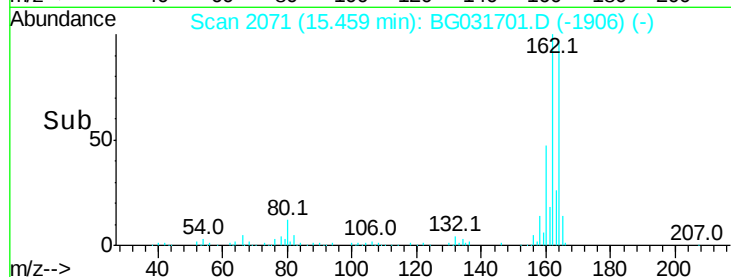
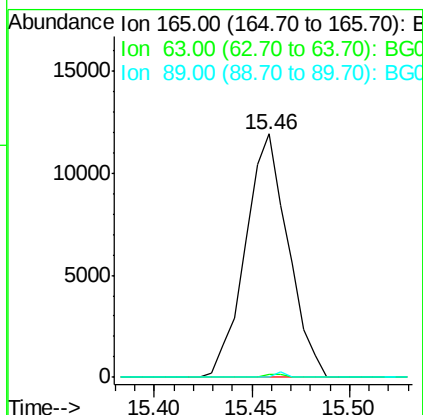
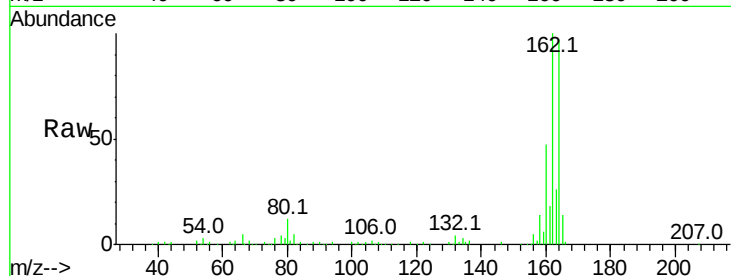




#50
2,6-Dinitrotoluene
Concen: 8.007 ng
RT: 15.46 min Scan# 2071
Delta R.T. 0.44 min
Lab File: BG031701.D
Acq: 22 Dec 2017 8:38

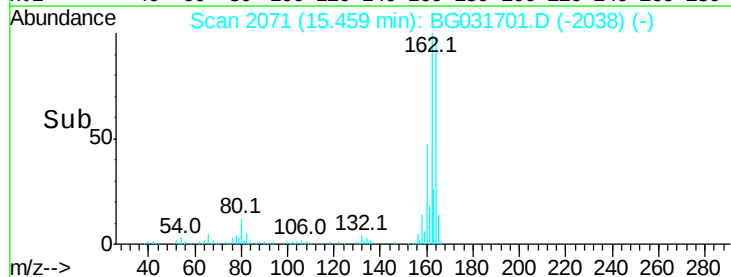
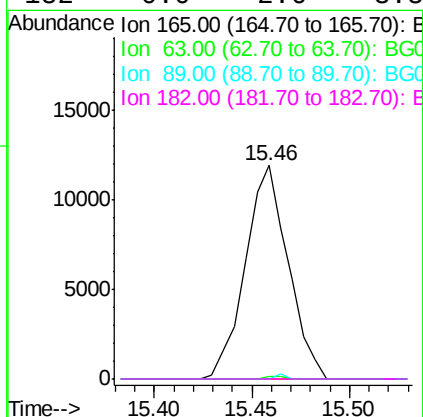
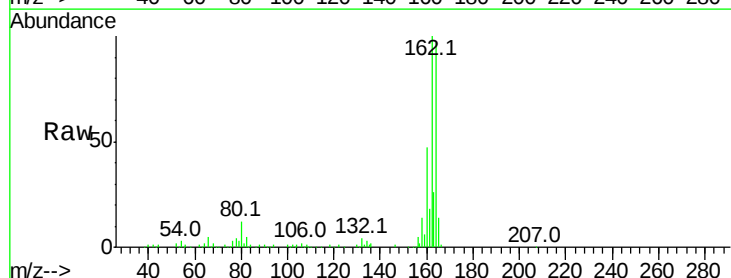
Instrument :
BNA_G
ClientSampleId :

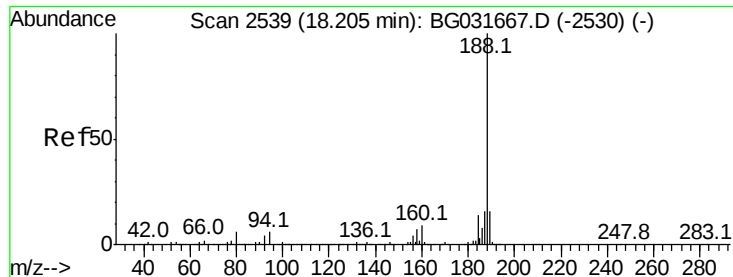
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	52.7	79.1#
89	0.0	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 6.227 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.34 min
Lab File: BG031701.D
Acq: 22 Dec 2017 8:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

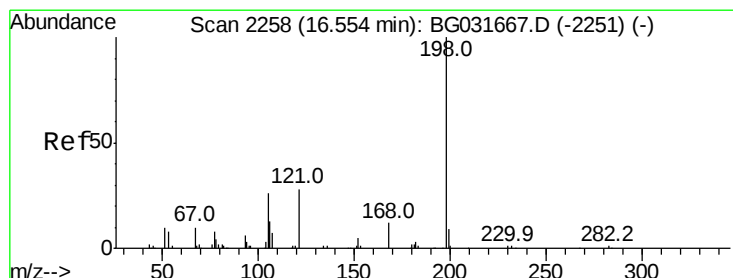
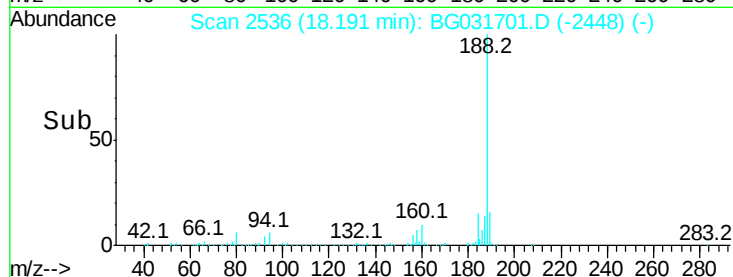
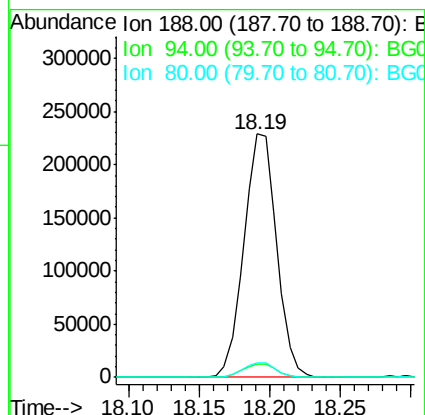
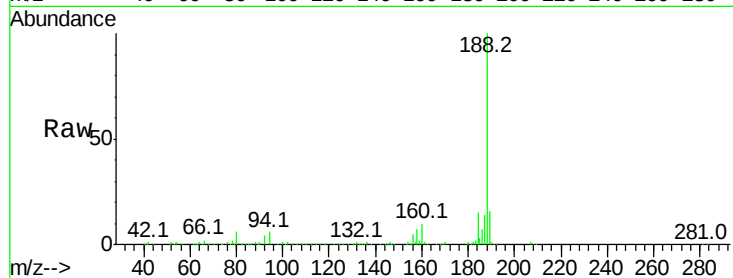




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.19 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BG031701.D
Acq: 22 Dec 2017 8:38

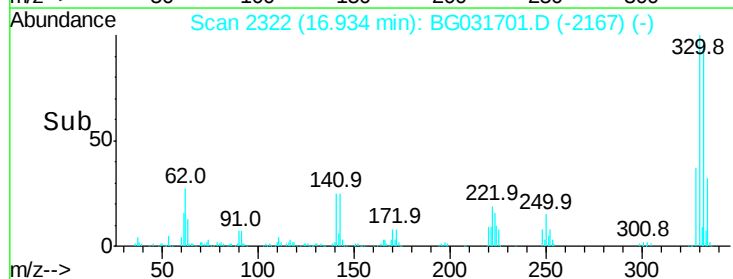
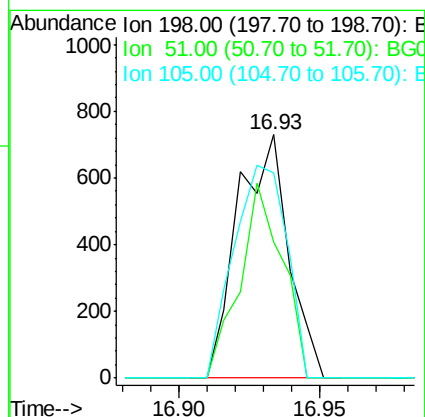
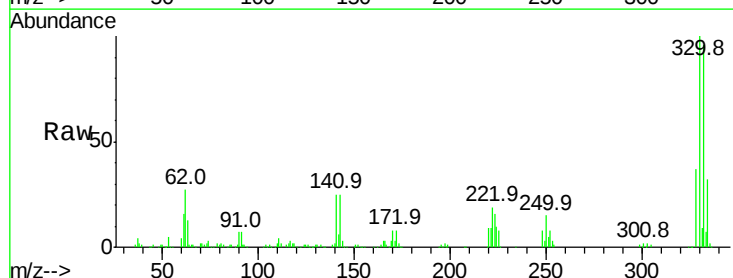
Instrument :
BNA_G
ClientSampleId :

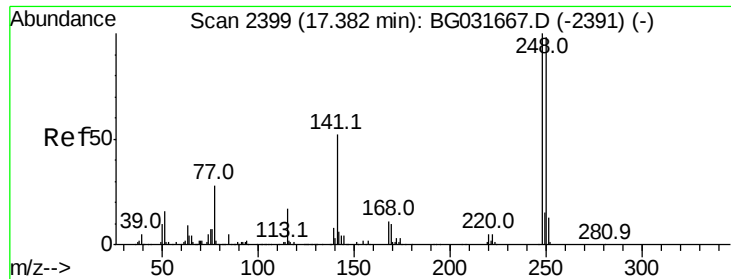
Tot Ion:188 Resp: 371104
Ion Ratio Lower Upper
188 100
94 5.7 6.9 10.3#
80 5.7 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.723 ng
RT: 16.93 min Scan# 2322
Delta R.T. 0.38 min
Lab File: BG031701.D
Acq: 22 Dec 2017 8:38

Tgt Ion:198 Resp: 911
Ion Ratio Lower Upper
198 100
51 55.9 30.6 70.6
105 84.1 23.8 63.8#

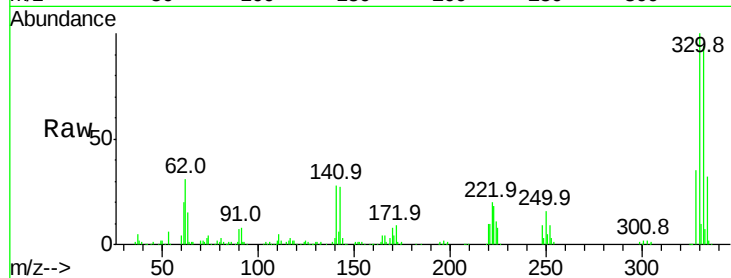




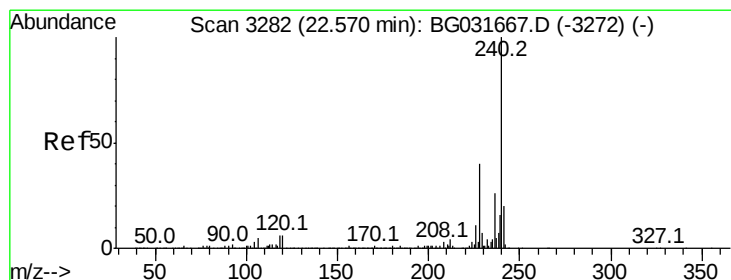
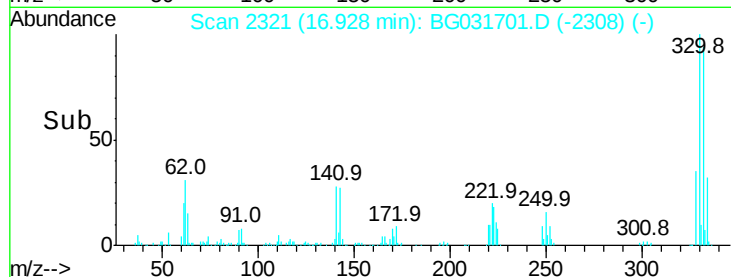
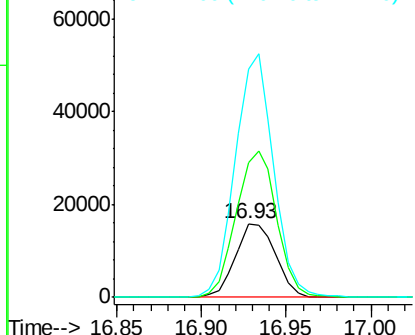
#66
 4-Bromophenyl-phenylether
 Concen: 4.893 ng
 RT: 16.93 min Scan# 2321
 Delta R.T. -0.45 min
 Lab File: BG031701.D
 Acq: 22 Dec 2017 8:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 26260
 Ion Ratio Lower Upper
 248 100
 250 182.7 77.1 115.7#
 141 309.3 50.8 76.2#

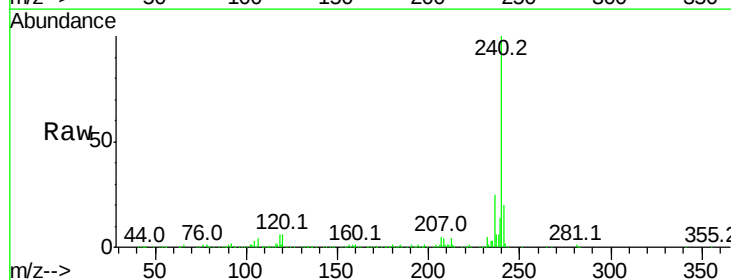


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

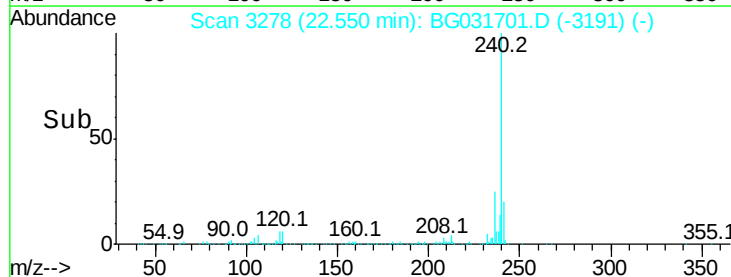
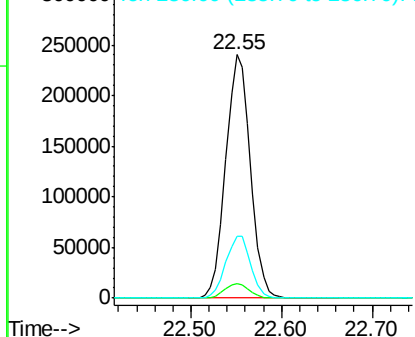


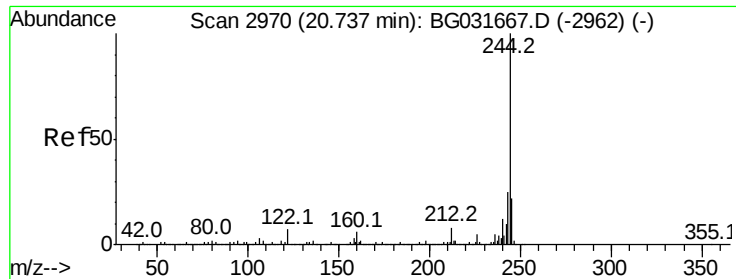
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.55 min Scan# 3278
 Delta R.T. -0.02 min
 Lab File: BG031701.D
 Acq: 22 Dec 2017 8:38

Tgt Ion:240 Resp: 452116
 Ion Ratio Lower Upper
 240 100
 120 6.1 6.8 10.2#
 236 25.2 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: 94.340 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031701.D

Acq: 22 Dec 2017 8:38

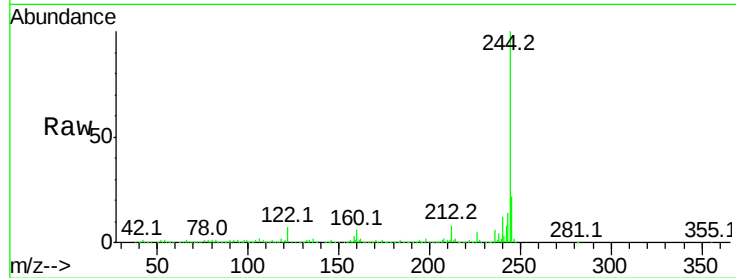
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1866924

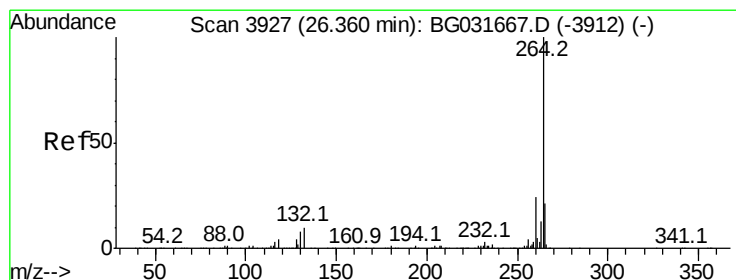
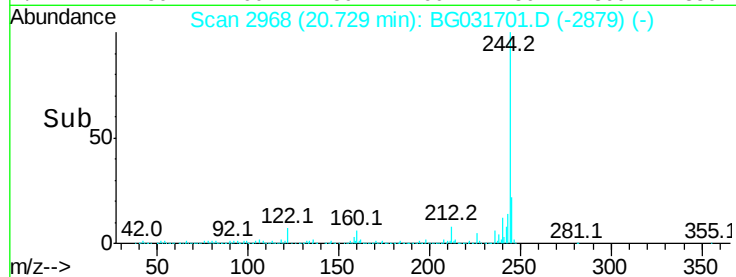
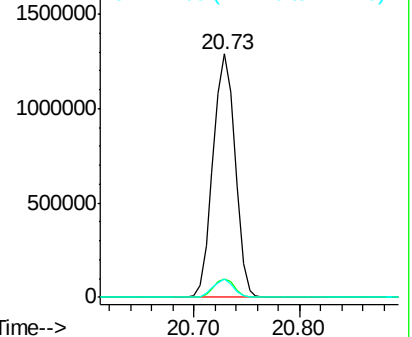
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	7.3	7.0	10.4



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: 26.34 min Scan# 3923

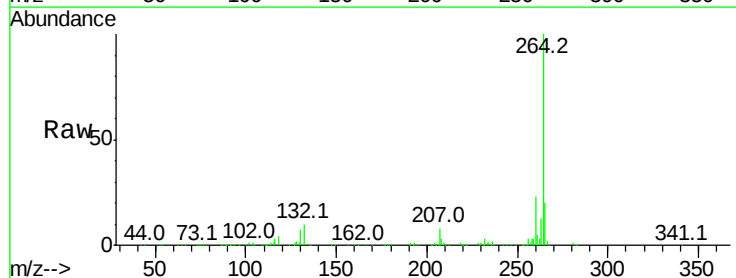
Delta R.T. -0.02 min

Lab File: BG031701.D

Acq: 22 Dec 2017 8:38

Tgt Ion:264 Resp: 476404

Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	19.8	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

