

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122717\
 Data File : BG031812.D
 Acq On : 28 Dec 2017 1:34
 Operator : SJ/JU
 Sample : I7058-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 28 07:22:21 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

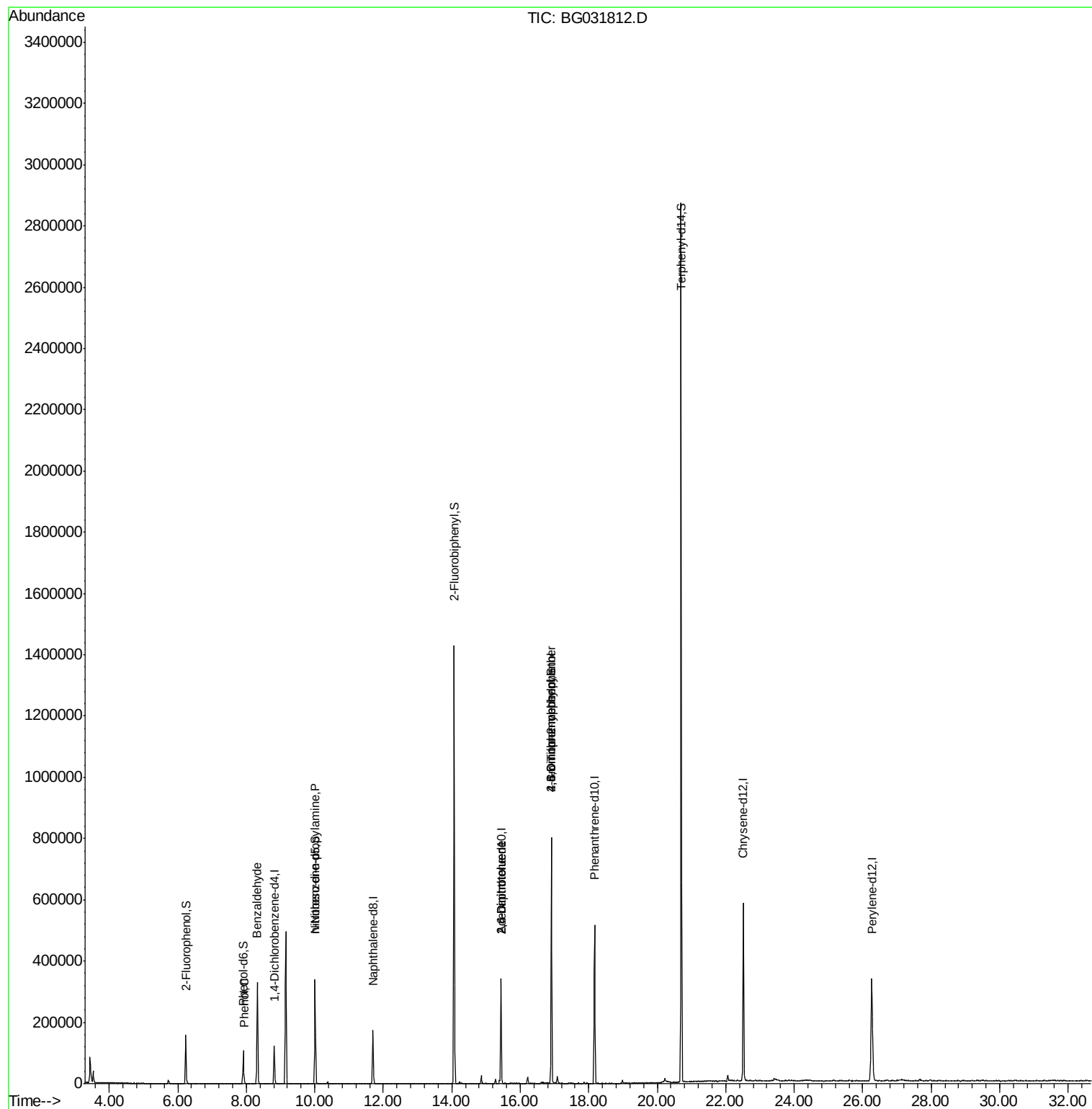
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	41884	20.00	ng	-0.03
21) Naphthalene-d8	11.70	136	180641	20.00	ng	-0.03
38) Acenaphthene-d10	15.44	164	134503	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	363043	20.00	ng	-0.03
75) Chrysene-d12	22.51	240	440824	20.00	ng	-0.06
86) Perylene-d12	26.27	264	461832	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	91065	39.60	ng	-0.01
7) Phenol-d6	7.91	99	73154	24.50	ng	-0.02
23) Nitrobenzene-d5	10.01	82	223275	93.33	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	197155	96.06	ng	-0.03
44) 2-Fluorobiphenyl	14.07	172	871310	81.31	ng	-0.03
78) Terphenyl-d14	20.70	244	1602426	83.05	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.32	77	3750	2.086	ng	# 79
10) Phenol	7.94	94	6092	2.021	ng	# 93
19) n-Nitroso-di-n-propylamine	10.01	70	29914	14.671	ng	# 70
50) 2,6-Dinitrotoluene	15.44	165	17817	8.174	ng	# 18
56) 2,4-Dinitrotoluene	15.44	165	17817	6.357	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.90	198	479	8.530	ng	# 78
66) 4-Bromophenyl-phenylether	16.91	248	15325	2.919	ng	# 1

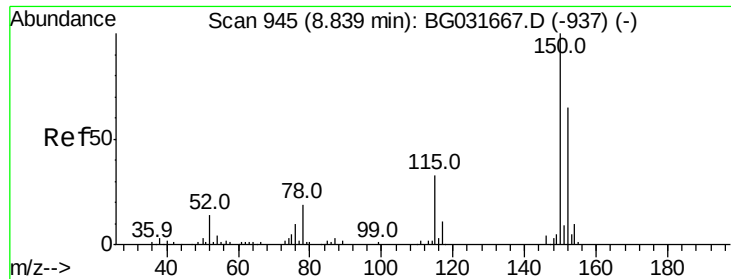
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 28 07:22:21 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.81 min Scan# 940

Delta R.T. -0.03 min

Lab File: BG031812.D

Acq: 28 Dec 2017 1:34

Instrument :

BNA_G

ClientSampleId :

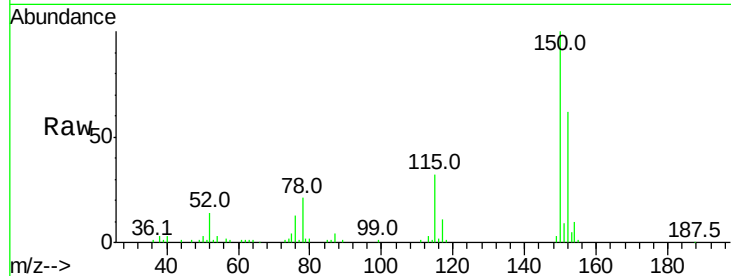
Tot Ion:152 Resp: 41884

Ion Ratio Lower Upper

152 100

150 162.5 126.6 189.8

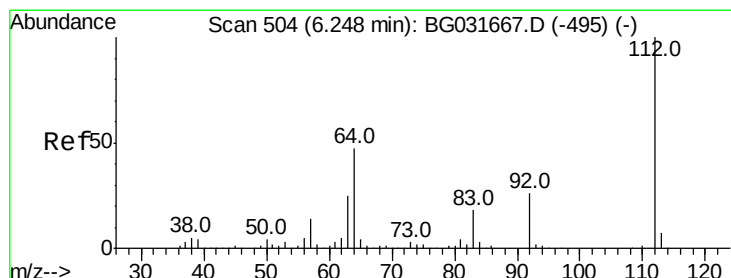
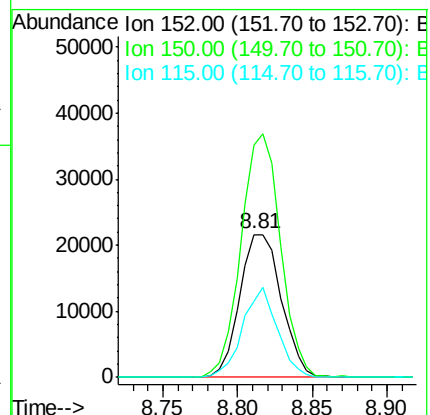
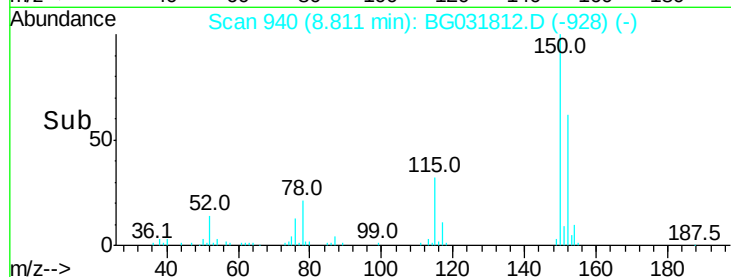
115 52.8 53.0 79.4#



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: 39.601 ng

RT: 6.24 min Scan# 502

Delta R.T. -0.01 min

Lab File: BG031812.D

Acq: 28 Dec 2017 1:34

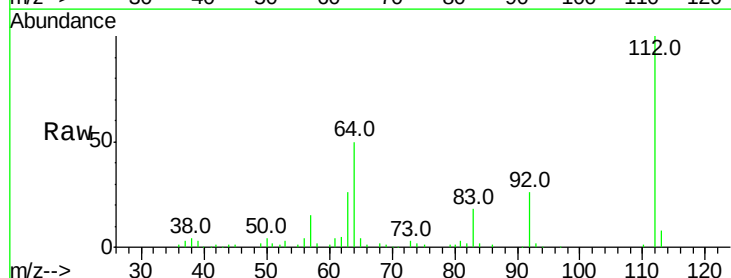
Tgt Ion:112 Resp: 91065

Ion Ratio Lower Upper

112 100

64 49.5 56.3 84.5#

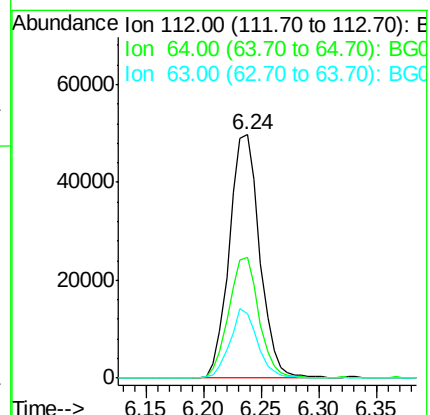
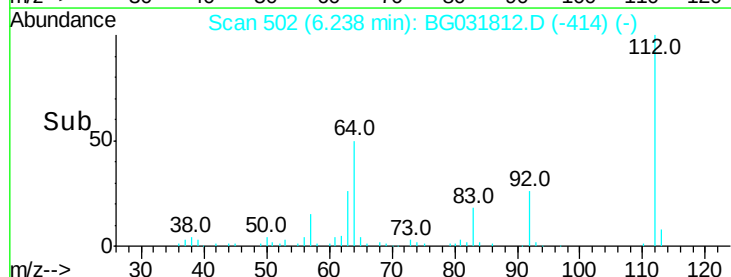
63 26.4 30.1 45.1#

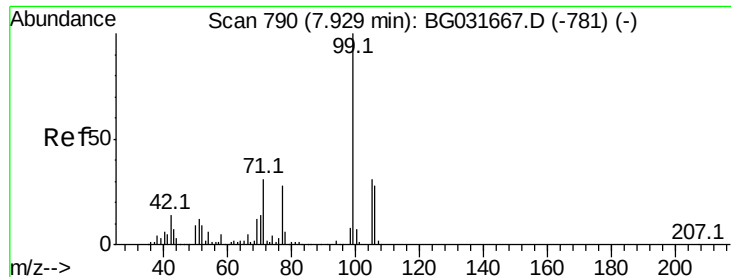


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 24.502 ng

RT: 7.91 min Scan# 787

Delta R.T. -0.02 min

Lab File: BG031812.D

Acq: 28 Dec 2017 1:34

Instrument :

BNA_G

ClientSampled :

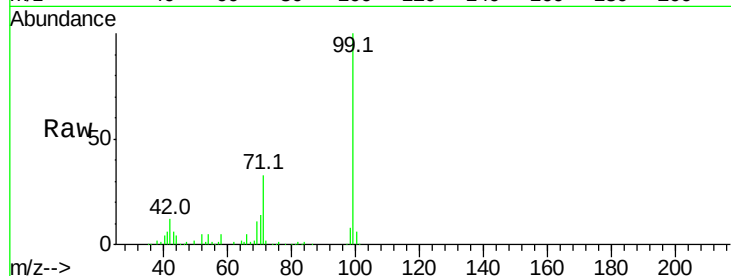
Tot Ion: 99 Resp: 73154

Ion Ratio Lower Upper

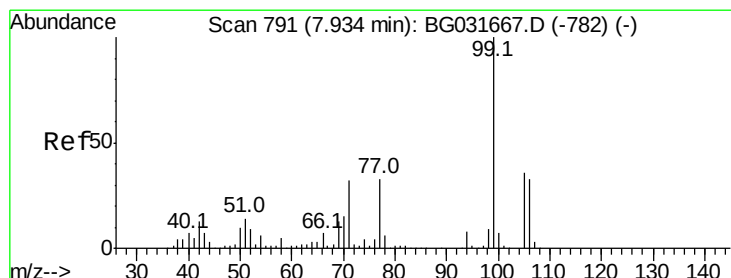
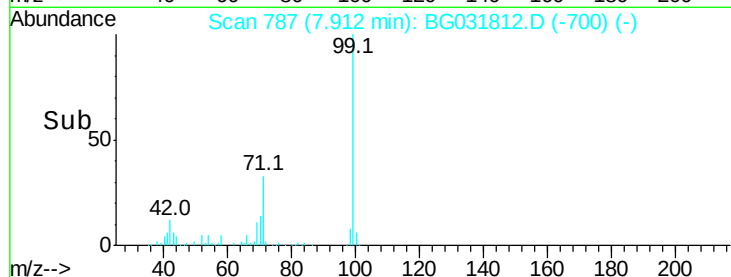
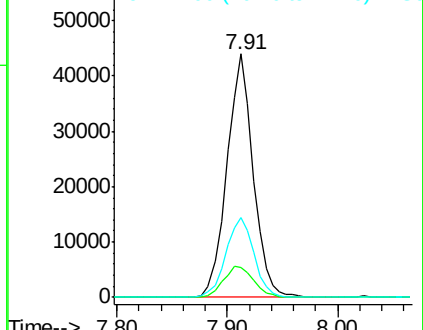
99 100

42 12.3 14.1 21.1#

71 32.7 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: 2.086 ng

RT: 8.32 min Scan# 857

Delta R.T. 0.39 min

Lab File: BG031812.D

Acq: 28 Dec 2017 1:34

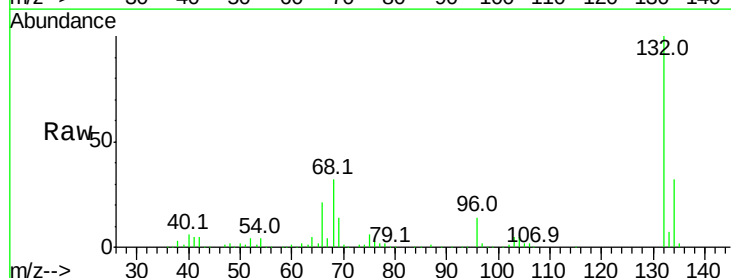
Tgt Ion: 77 Resp: 3750

Ion Ratio Lower Upper

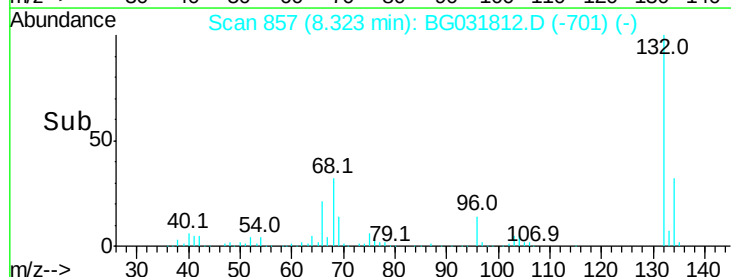
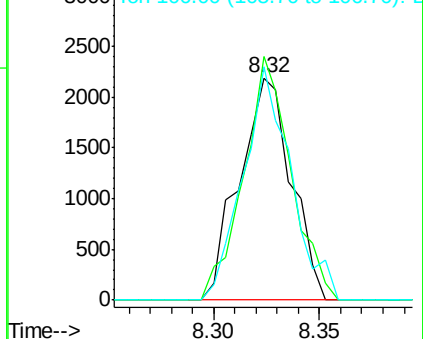
77 100

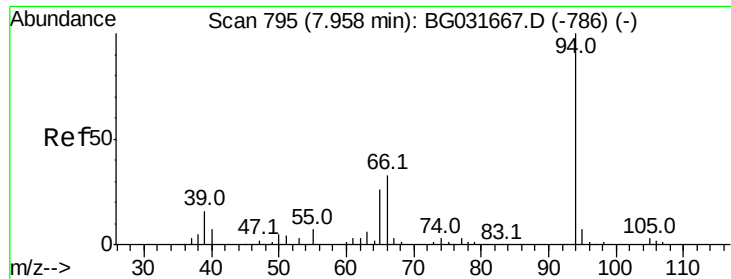
105 109.6 71.3 111.3

106 104.9 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





#10

Phenol

Concen: 2.021 ng

RT: 7.94 min Scan# 791

Delta R.T. -0.02 min

Lab File: BG031812.D

Acq: 28 Dec 2017 1:34

Instrument :

BNA_G

ClientSampleId :

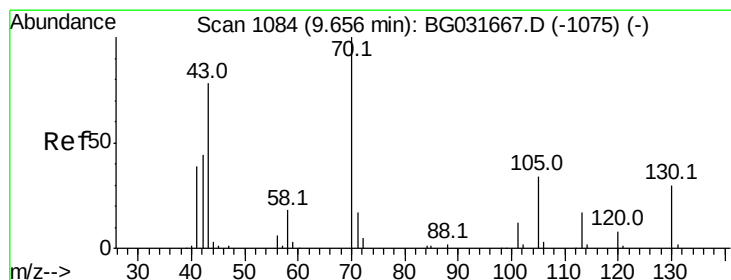
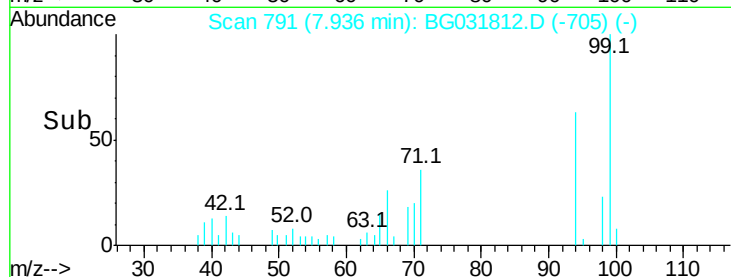
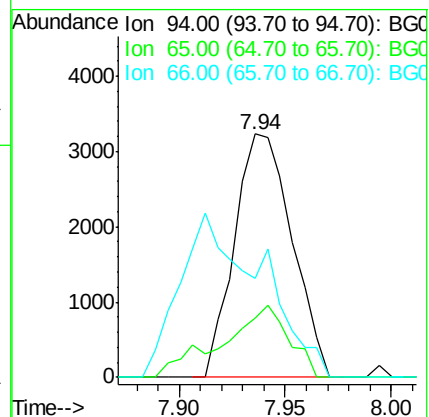
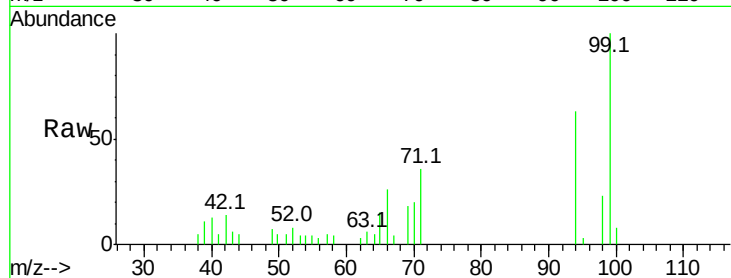
Tot Ion: 94 Resp: 6092

Ion Ratio Lower Upper

94 100

65 24.3 11.9 51.9

66 40.7 22.2 62.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.671 ng

RT: 10.01 min Scan# 1144

Delta R.T. 0.35 min

Lab File: BG031812.D

Acq: 28 Dec 2017 1:34

Tgt Ion: 70 Resp: 29914

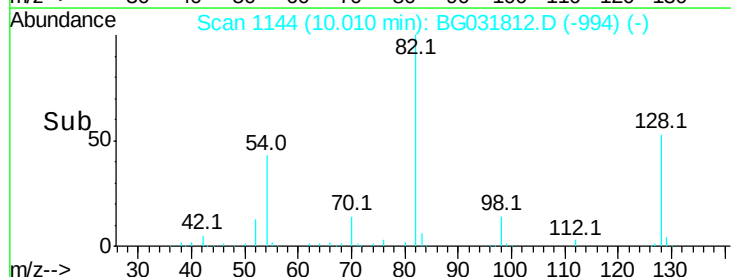
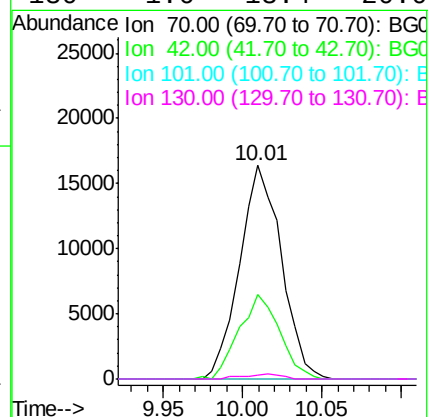
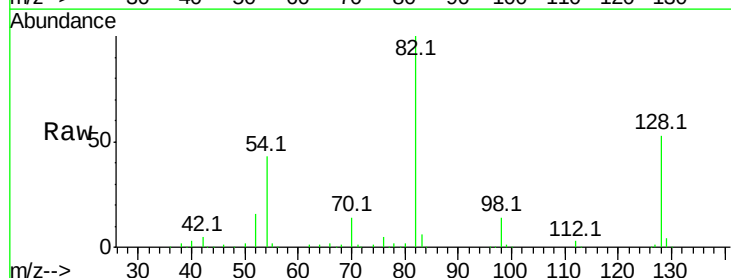
Ion Ratio Lower Upper

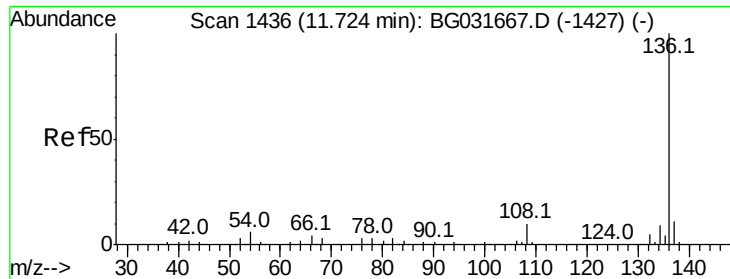
70 100

42 39.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

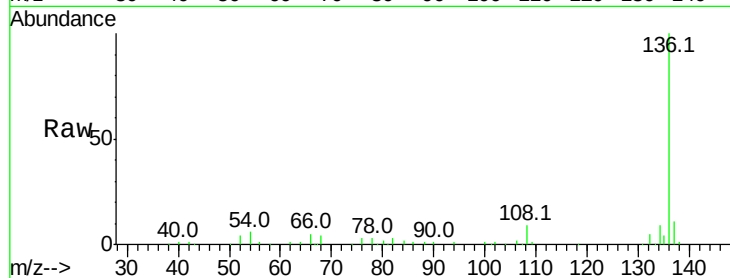




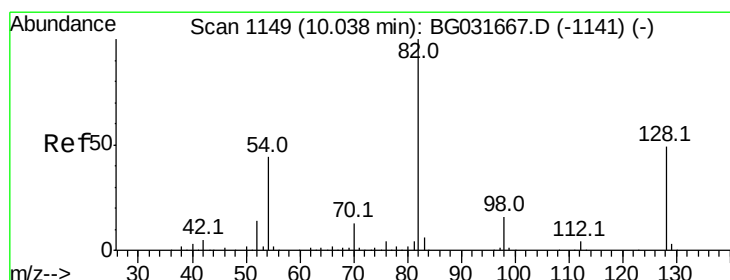
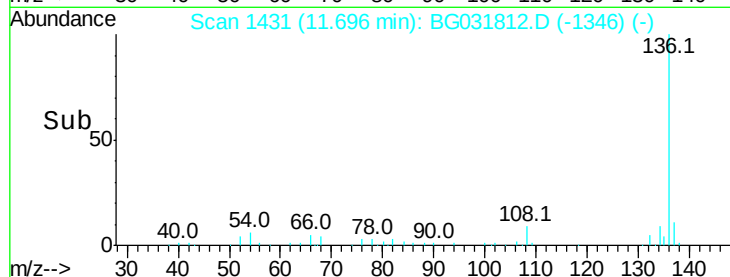
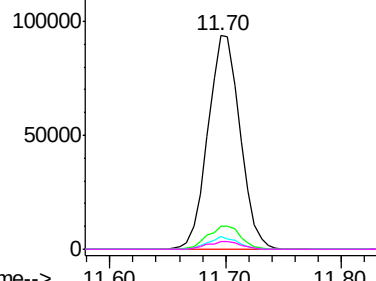
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.70 min Scan# 1431
Delta R.T. -0.03 min
Lab File: BG031812.D
Acq: 28 Dec 2017 1:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	180641
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.0	10.3	15.5#
68	3.5	4.5	6.7#

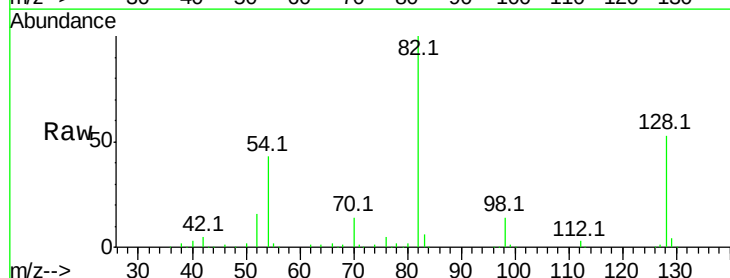


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

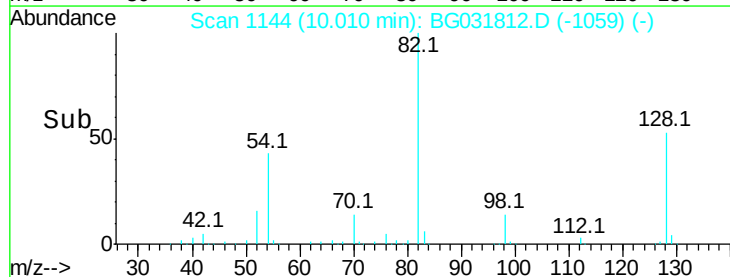
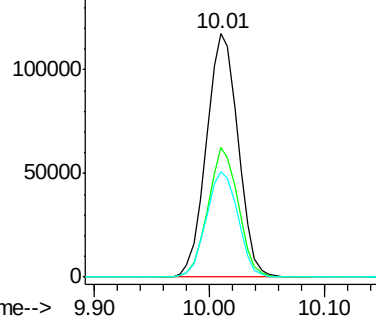


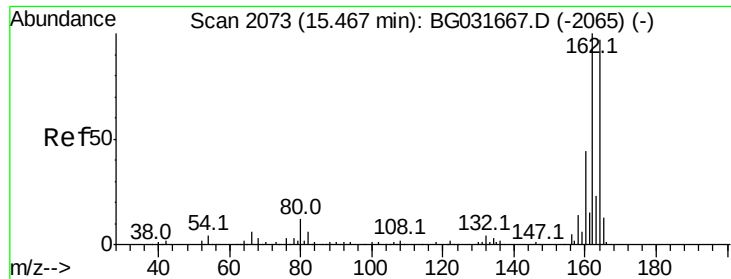
#23
Nitrobenzene-d5
Concen: 93.334 ng
RT: 10.01 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BG031812.D
Acq: 28 Dec 2017 1:34

Tgt Ion:	82	Resp:	223275
Ion	Ratio	Lower	Upper
82	100		
128	53.1	29.7	44.5#
54	43.2	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.44 min Scan# 2068

Delta R.T. -0.03 min

Lab File: BG031812.D

Acq: 28 Dec 2017 1:34

Instrument :

BNA_G

ClientSampleId :

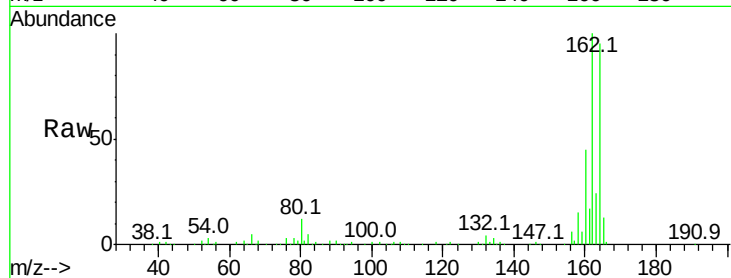
Tot Ion:164 Resp: 134503

Ion Ratio Lower Upper

164 100

162 105.3 78.8 118.2

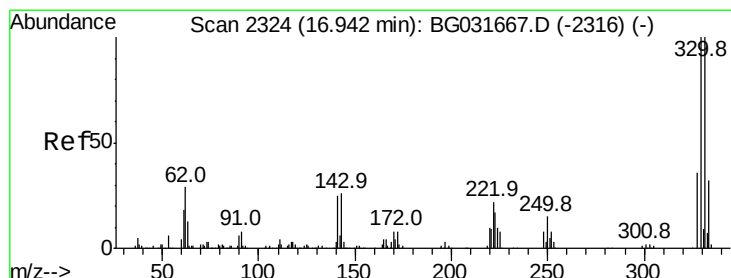
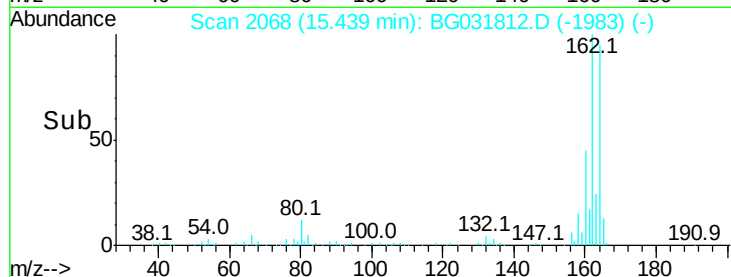
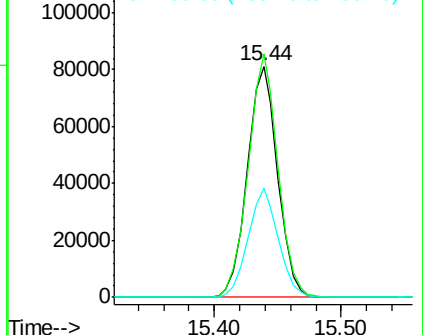
160 47.1 35.4 53.0



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: 96.064 ng

RT: 16.91 min Scan# 2318

Delta R.T. -0.03 min

Lab File: BG031812.D

Acq: 28 Dec 2017 1:34

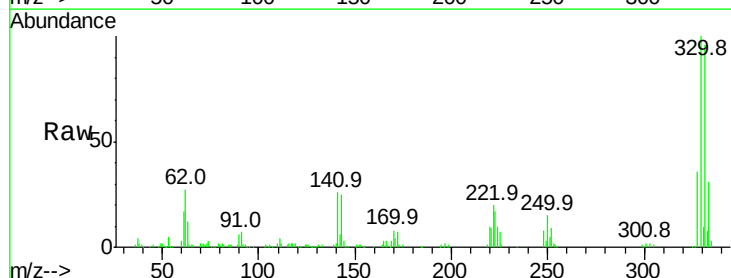
Tgt Ion:330 Resp: 197155

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

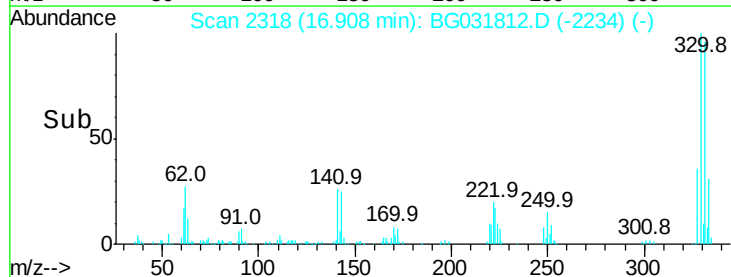
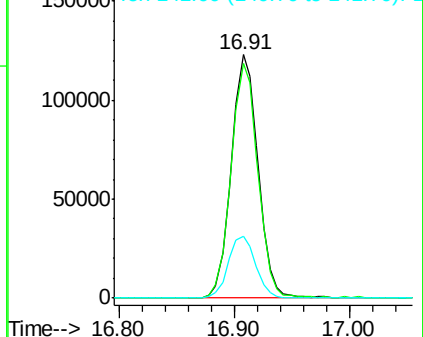
141 26.2 25.2 37.8

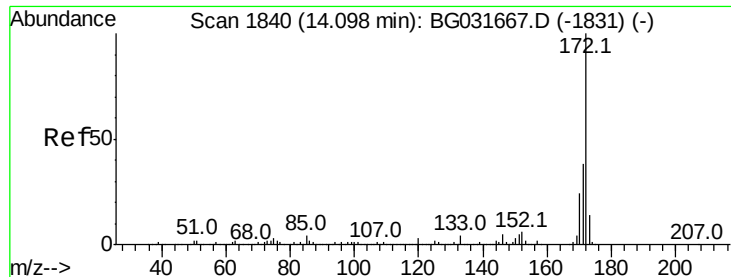


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

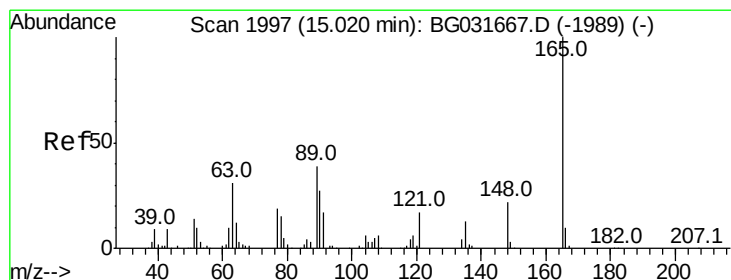
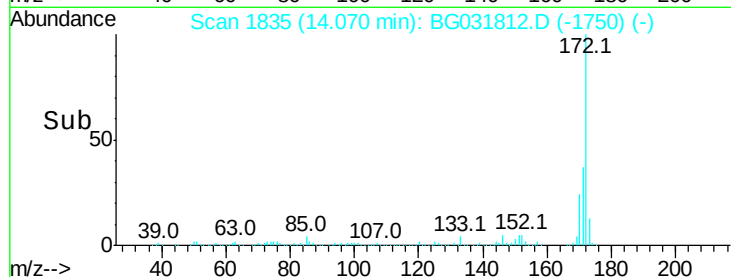
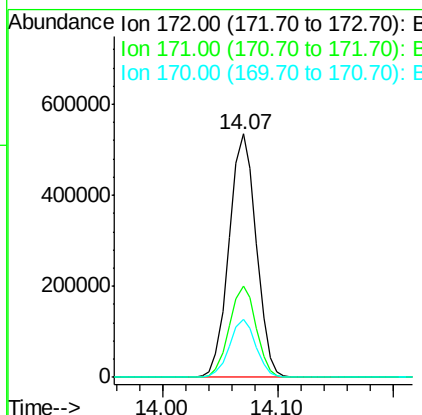
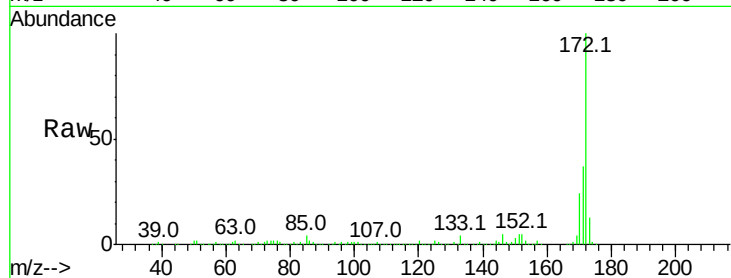




#44
 2-Fluorobiphenyl
 Concen: 81.308 ng
 RT: 14.07 min Scan# 1835
 Delta R.T. -0.03 min
 Lab File: BG031812.D
 Acq: 28 Dec 2017 1:34

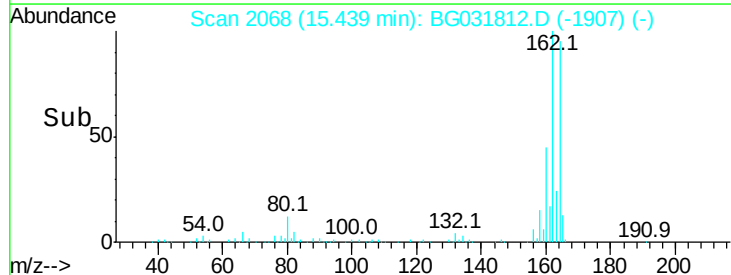
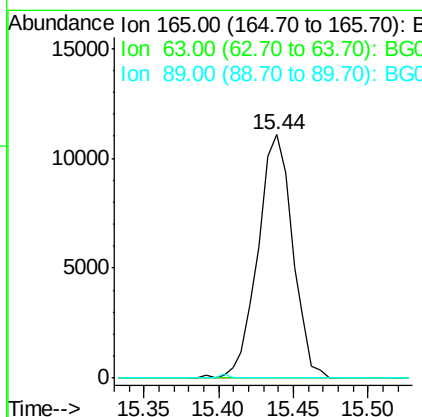
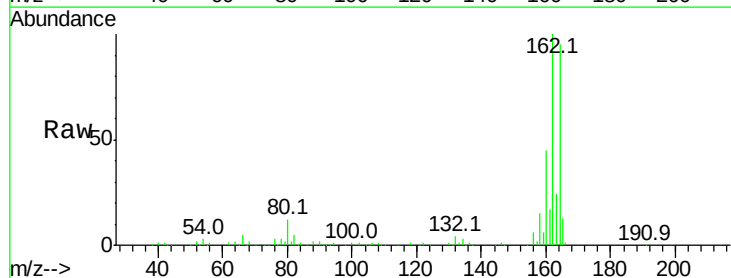
Instrument :
 BNA_G
 ClientSampleId :

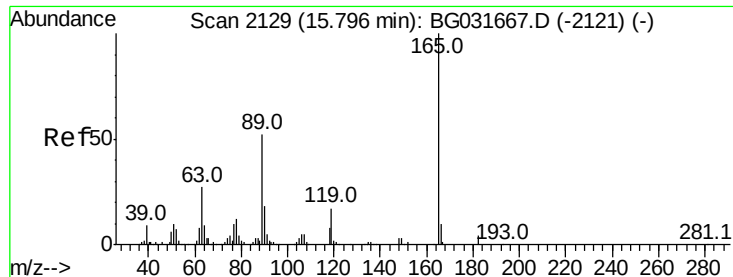
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	24.1	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.174 ng
 RT: 15.44 min Scan# 2068
 Delta R.T. 0.42 min
 Lab File: BG031812.D
 Acq: 28 Dec 2017 1:34

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

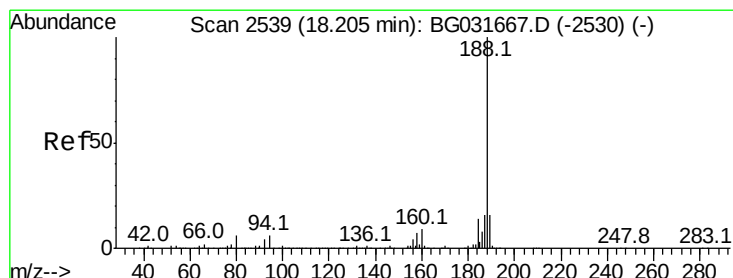
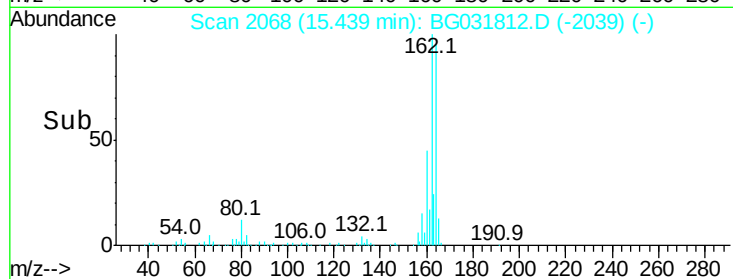
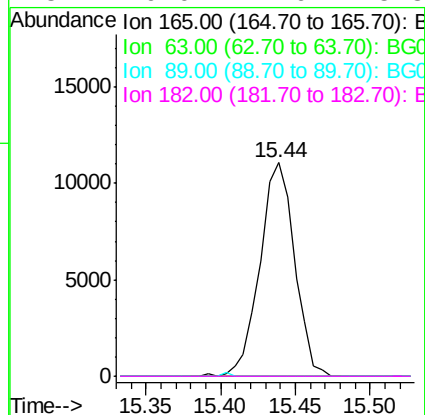
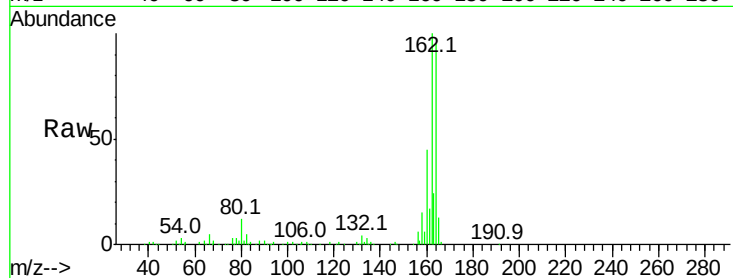




#56
 2,4-Dinitrotoluene
 Concen: 6.357 ng
 RT: 15.44 min Scan# 2068
 Delta R.T. -0.36 min
 Lab File: BG031812.D
 Acq: 28 Dec 2017 1:34

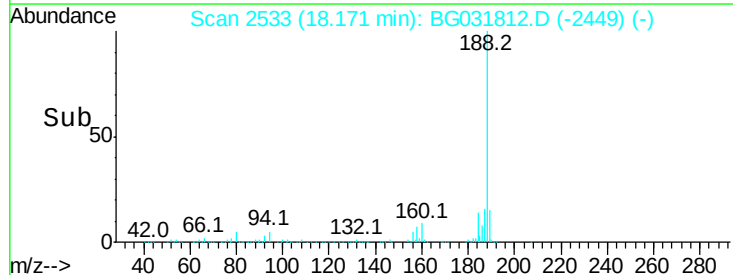
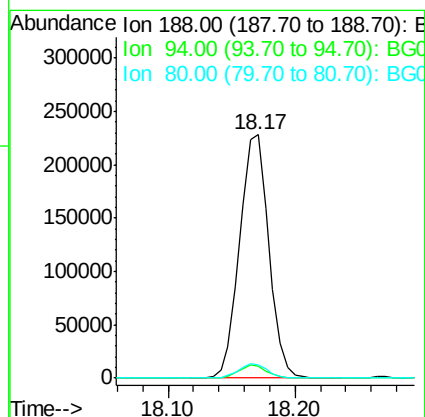
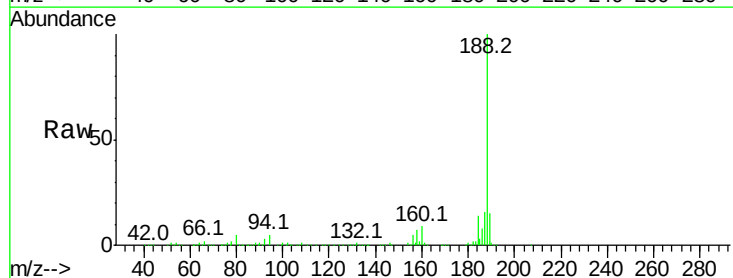
Instrument :
 BNA_G
 ClientSampleId :

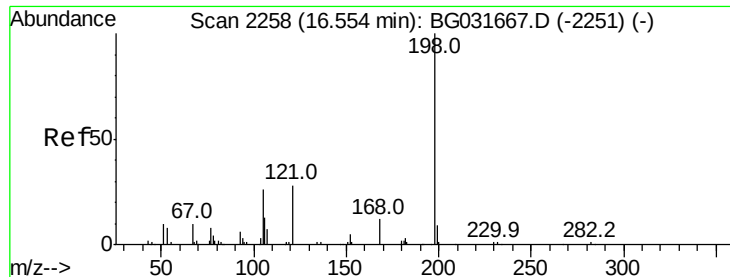
Tot Ion:	165	Resp:	17817
Ion Ratio	Lower	Upper	
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.17 min Scan# 2533
 Delta R.T. -0.03 min
 Lab File: BG031812.D
 Acq: 28 Dec 2017 1:34

Tgt Ion:	188	Resp:	363043
Ion Ratio	Lower	Upper	
188	100		
94	5.1	6.9	10.3#
80	5.4	7.7	11.5#

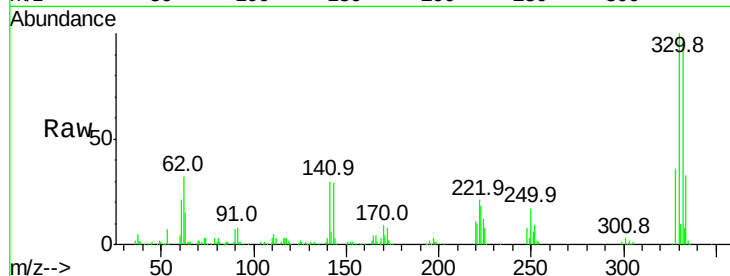




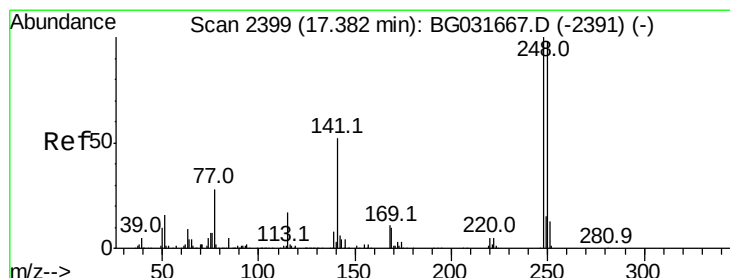
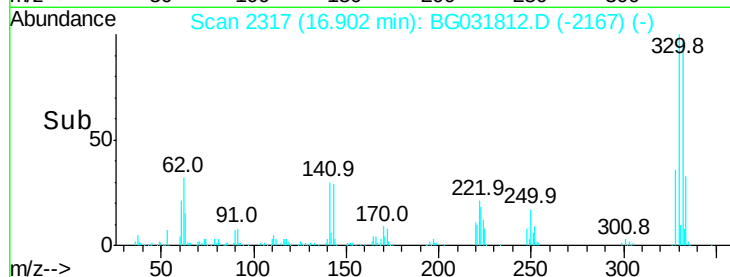
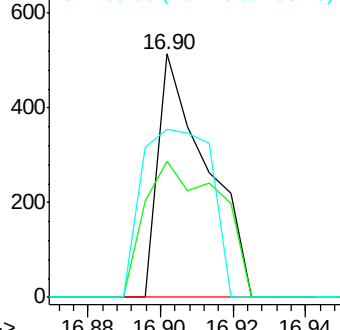
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.530 ng
 RT: 16.90 min Scan# 2317
 Delta R.T. 0.35 min
 Lab File: BG031812.D
 Acq: 28 Dec 2017 1:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 479
 Ion Ratio Lower Upper
 198 100
 51 56.0 30.6 70.6
 105 69.1 23.8 63.8#

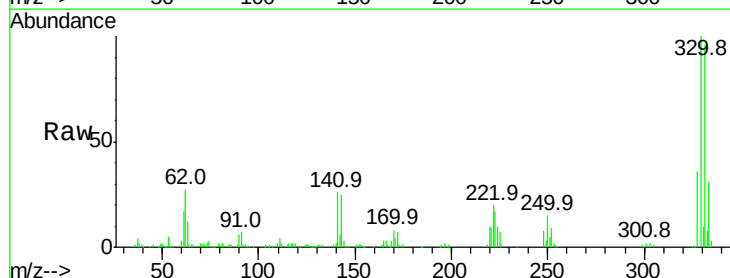


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

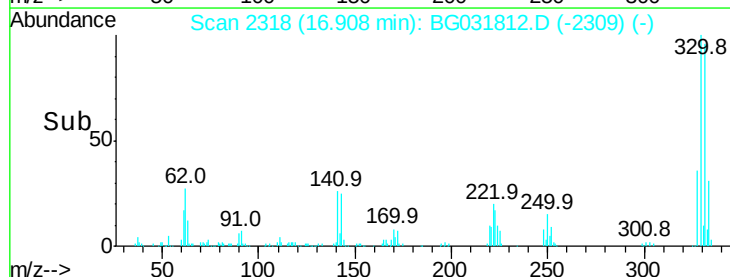
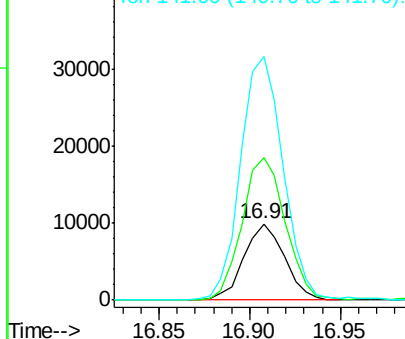


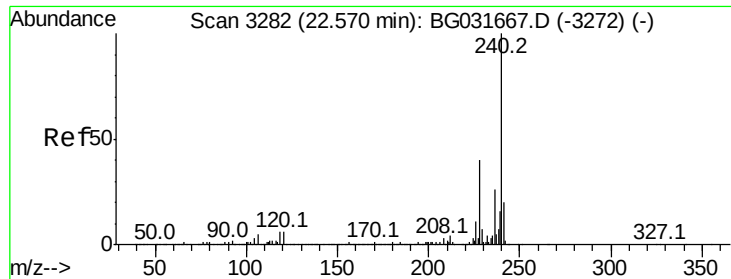
#66
 4-Bromophenyl-phenylether
 Concen: 2.919 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. -0.47 min
 Lab File: BG031812.D
 Acq: 28 Dec 2017 1:34

Tgt Ion:248 Resp: 15325
 Ion Ratio Lower Upper
 248 100
 250 186.7 77.1 115.7#
 141 318.5 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: 22.51 min Scan# 3272

Delta R.T. -0.06 min

Lab File: BG031812.D

Acq: 28 Dec 2017 1:34

Instrument :

BNA_G

ClientSampleId :

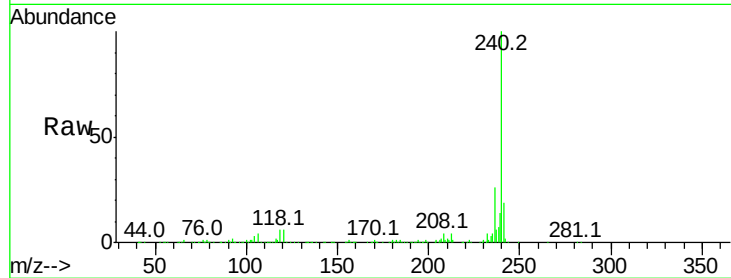
Tot Ion:240 Resp: 440824

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

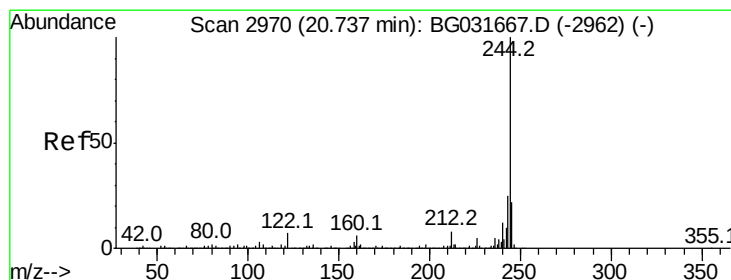
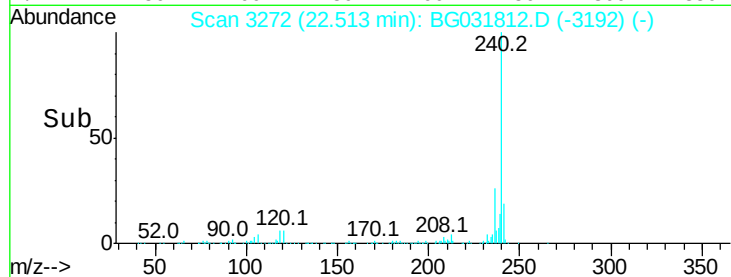
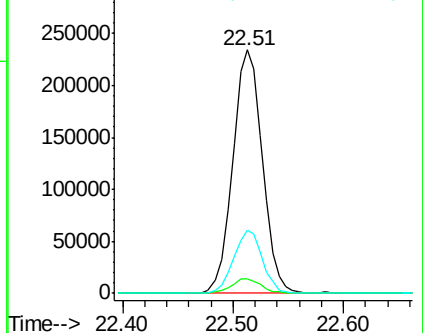
236 26.2 20.9 31.3



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: 83.049 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031812.D

Acq: 28 Dec 2017 1:34

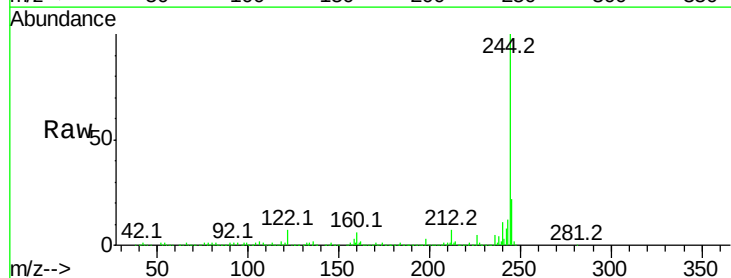
Tgt Ion:244 Resp: 1602426

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

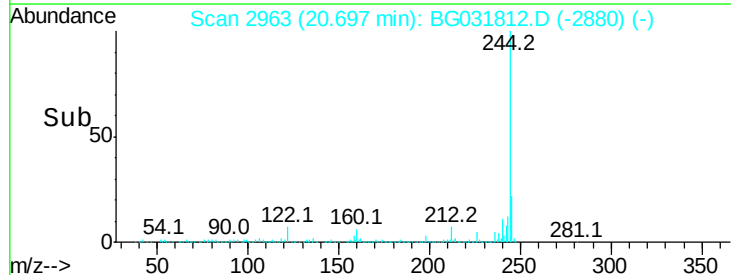
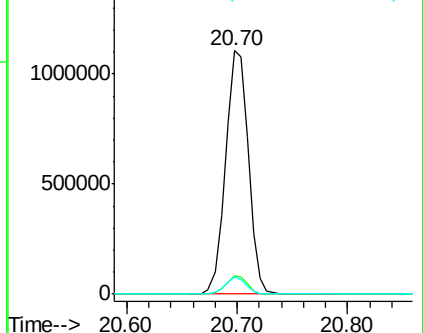
122 7.2 7.0 10.4

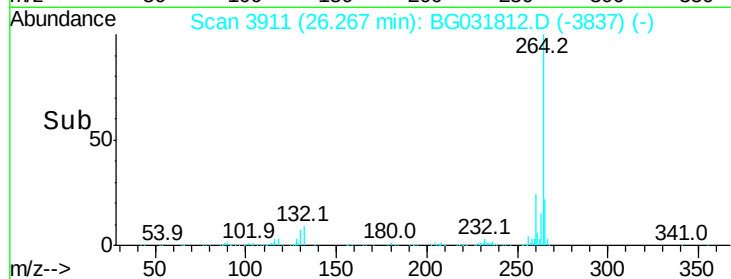
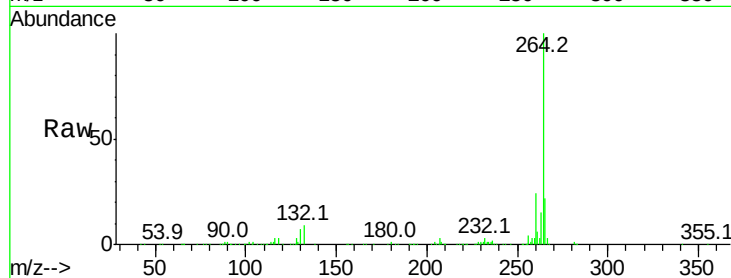
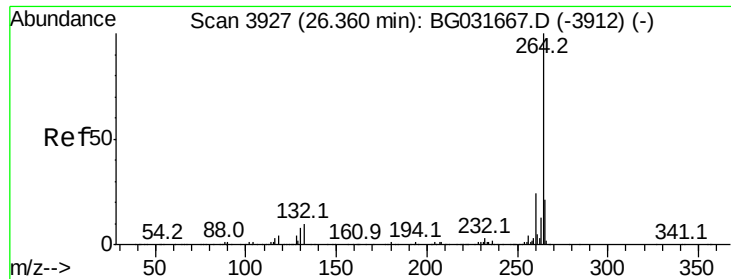


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.27 min Scan# 3911
 Delta R.T. -0.09 min
 Lab File: BG031812.D
 Acq: 28 Dec 2017 1:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.2	17.7	26.5

