

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041618\
 Data File : BG033821.D
 Acq On : 16 Apr 2018 18:06
 Operator : SJ/JU
 Sample : J2391-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 16 18:50:29 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 11:44:01 2018
 Response via : Initial Calibration

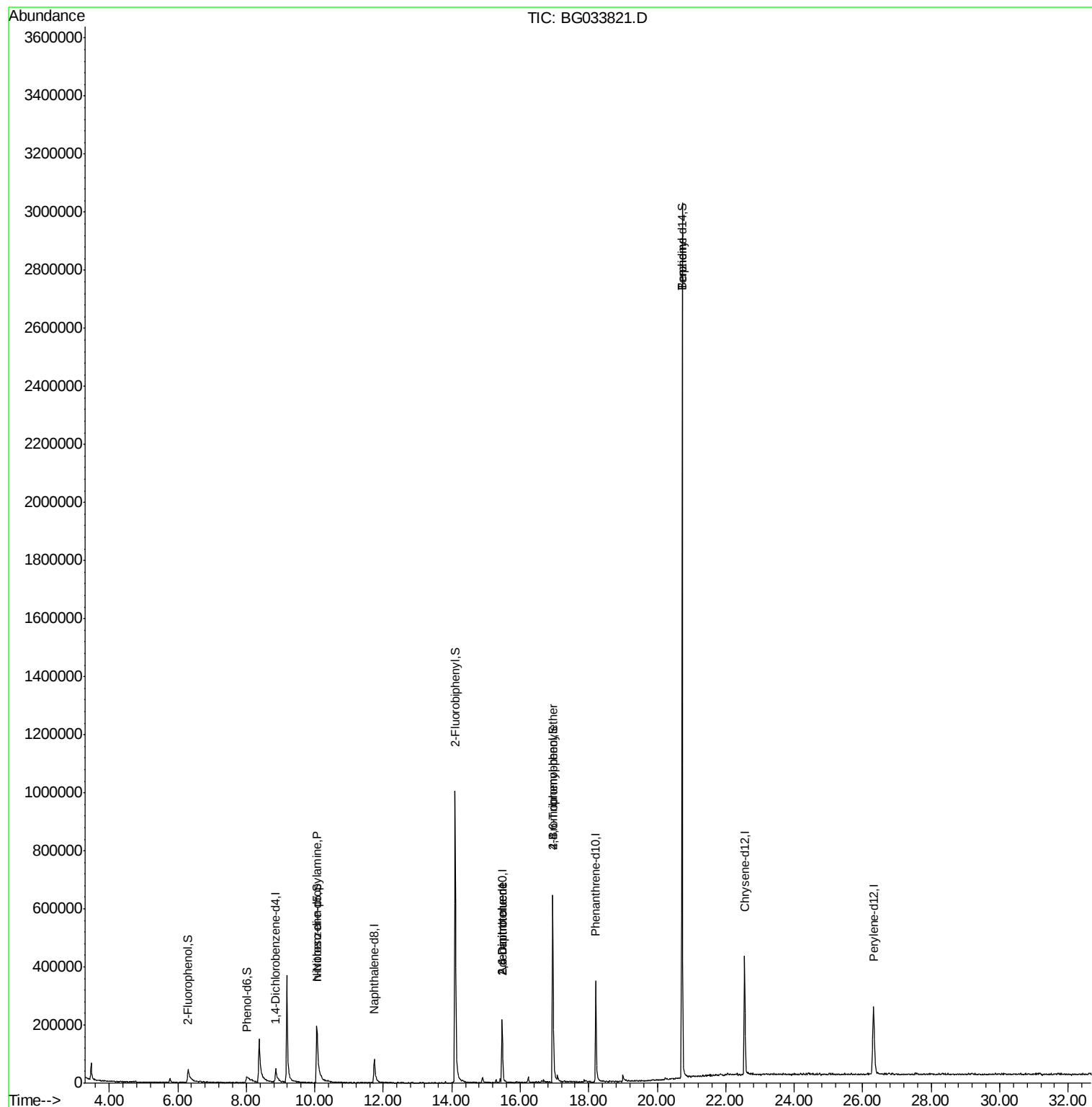
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	22041	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	115764	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	96340	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	281688	20.00	ng	0.00
75) Chrysene-d12	22.55	240	305704	20.00	ng	0.00
86) Perylene-d12	26.32	264	334151	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	48158	40.97	ng	0.01
7) Phenol-d6	8.02	99	25760	12.75	ng	0.03
23) Nitrobenzene-d5	10.06	82	251384	99.77	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	157776	109.50	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	706186	105.82	ng	0.00
78) Terphenyl-d14	20.73	244	1510345	105.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	30658	20.716	ng	# 78
50) 2,6-Dinitrotoluene	15.47	165	11555	6.740	ng	# 21
56) 2,4-Dinitrotoluene	15.47	165	11555	4.578	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	11803	3.568	ng	# 1
76) Benzidine	20.73	184	25697	3.100	ng	# 95

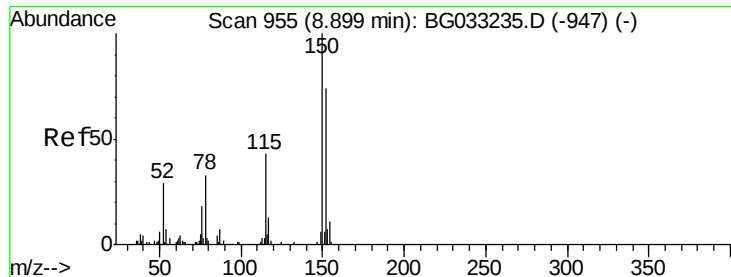
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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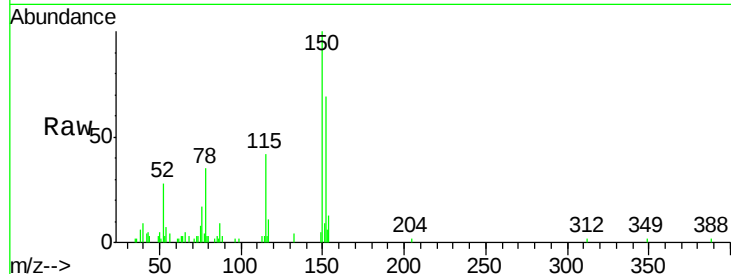


#1

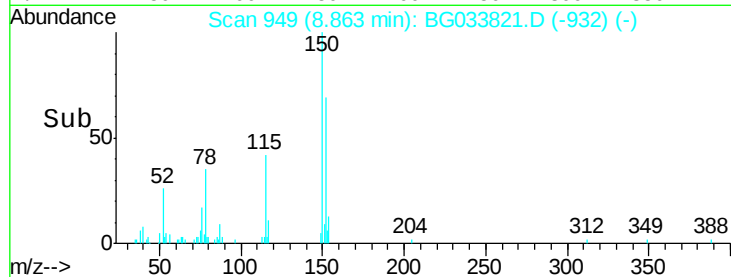
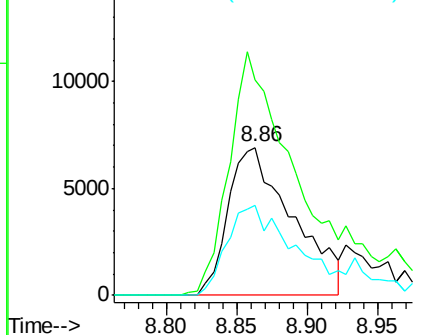
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG033821.D
Acq: 16 Apr 2018 18:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 22041
Ion Ratio Lower Upper
152 100
150 145.3 126.6 189.8
115 60.6 53.0 79.4



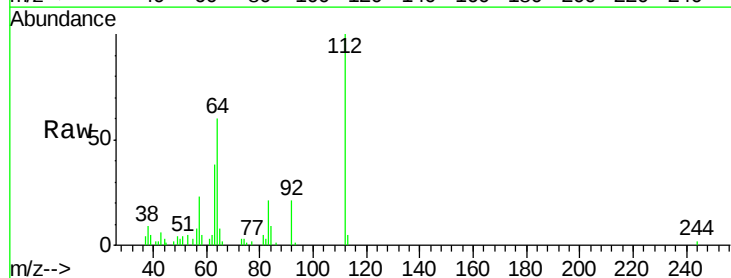
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



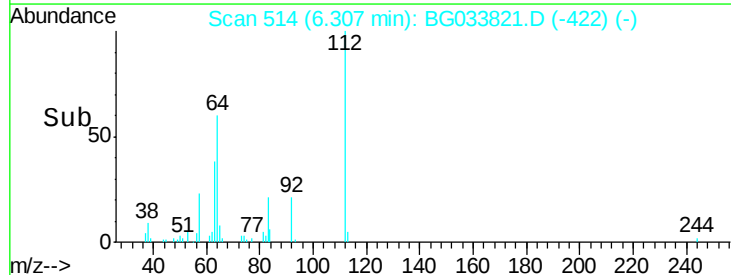
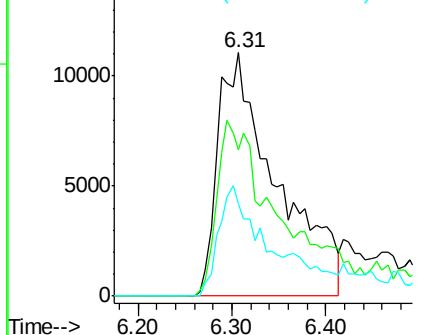
#5

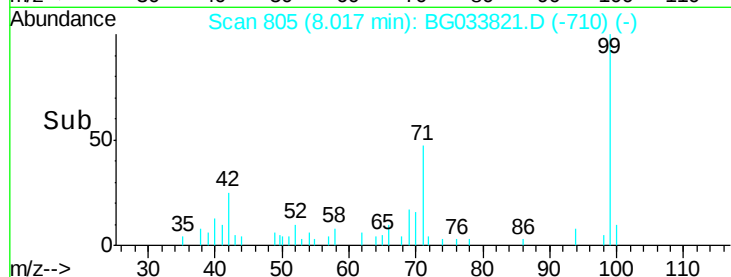
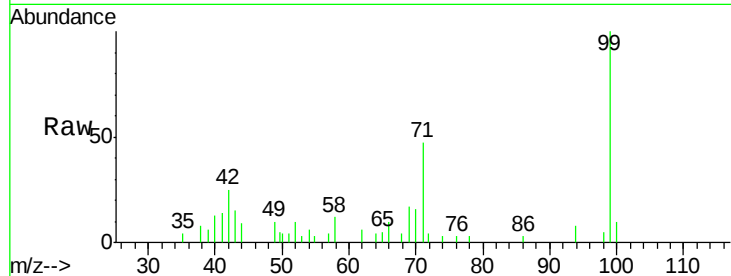
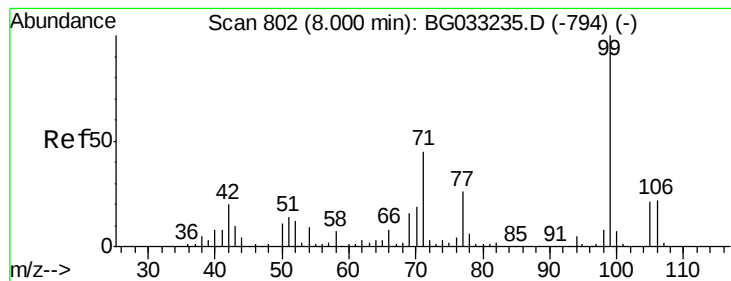
2-Fluorophenol
Concen: 40.970 ng
RT: 6.31 min Scan# 514
Delta R.T. 0.01 min
Lab File: BG033821.D
Acq: 16 Apr 2018 18:06

Tgt Ion:112 Resp: 48158
Ion Ratio Lower Upper
112 100
64 59.9 56.3 84.5
63 38.1 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: 12.755 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.03 min

Lab File: BG033821.D

Acq: 16 Apr 2018 18:06

Instrument :

BNA_G

ClientSampleId :

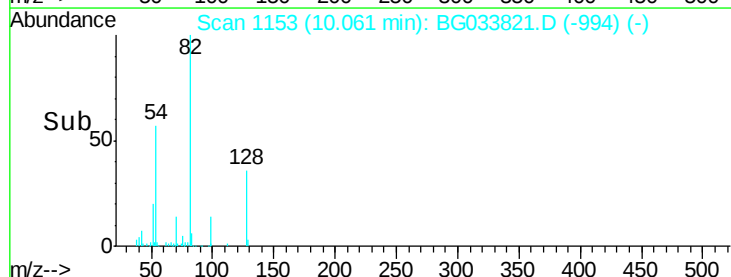
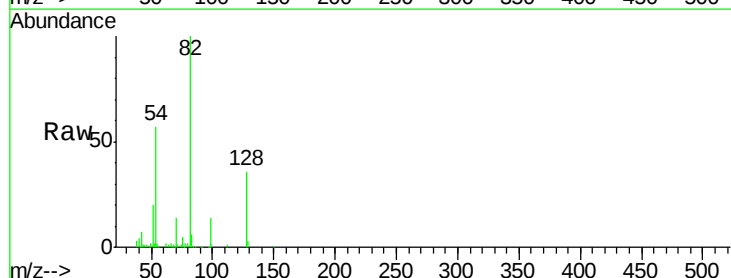
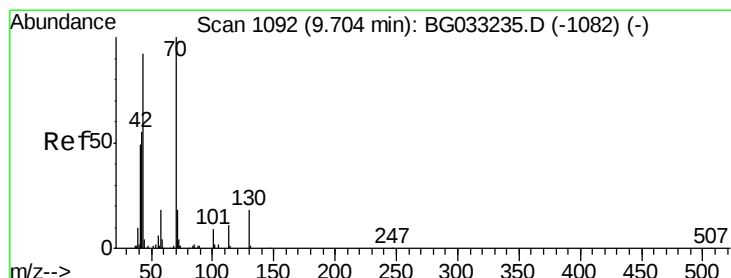
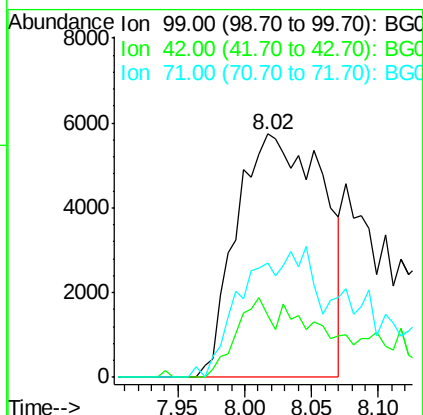
Tot Ion: 99 Resp: 25760

Ion Ratio Lower Upper

99 100

42 25.4 14.1 21.1#

71 47.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.716 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.40 min

Lab File: BG033821.D

Acq: 16 Apr 2018 18:06

Tgt Ion: 70 Resp: 30658

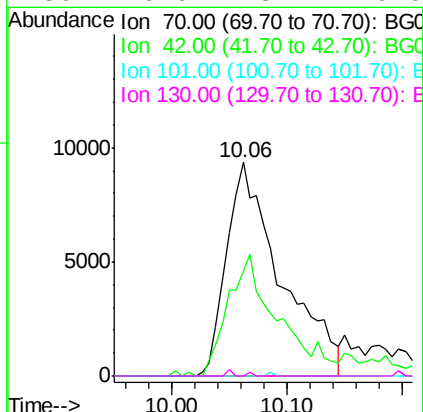
Ion Ratio Lower Upper

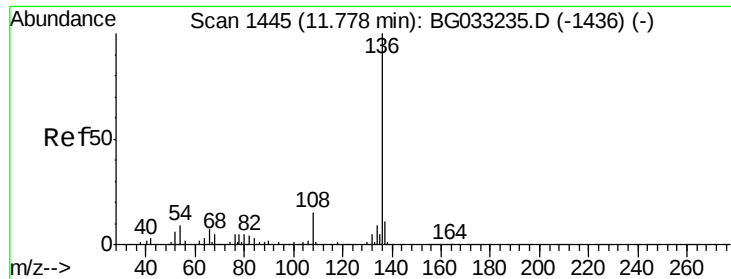
70 100

42 49.0 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.74 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BG033821.D

Acq: 16 Apr 2018 18:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 115764

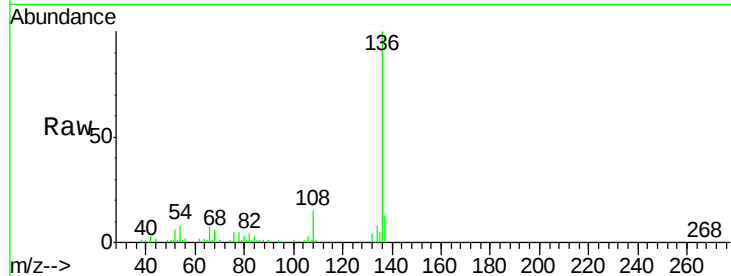
Ion Ratio Lower Upper

136 100

137 13.1 9.2 13.8

54 8.9 10.3 15.5#

68 5.6 4.5 6.7

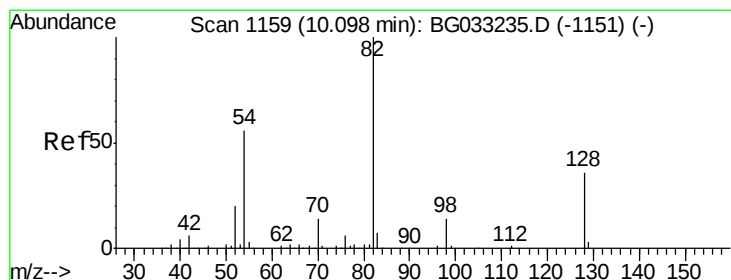
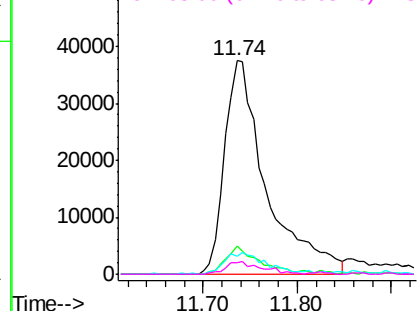
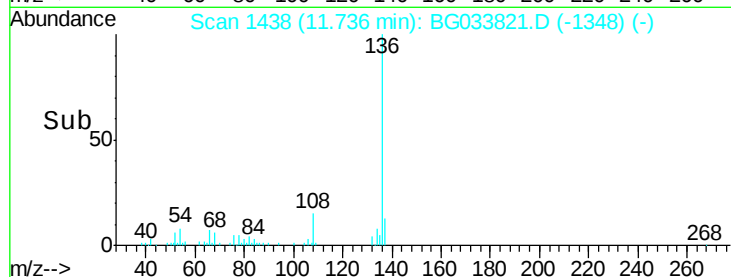


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.769 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BG033821.D

Acq: 16 Apr 2018 18:06

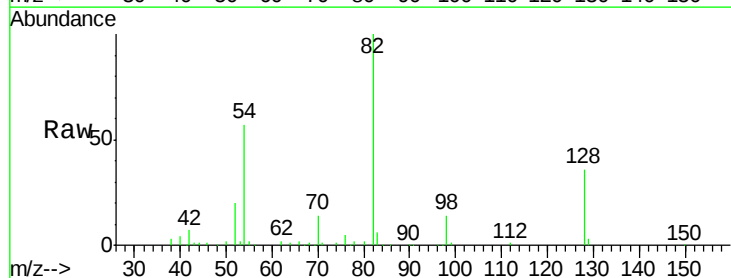
Tgt Ion: 82 Resp: 251384

Ion Ratio Lower Upper

82 100

128 35.9 29.7 44.5

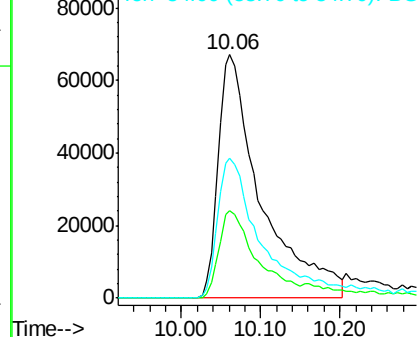
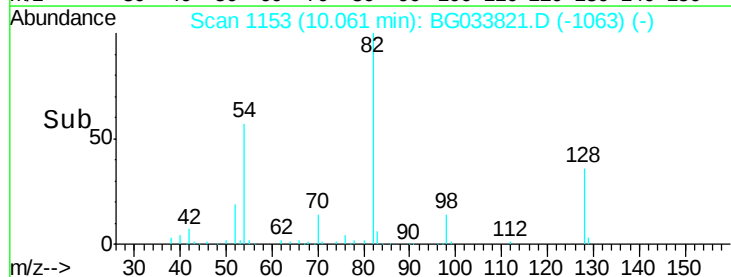
54 57.3 43.1 64.7



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

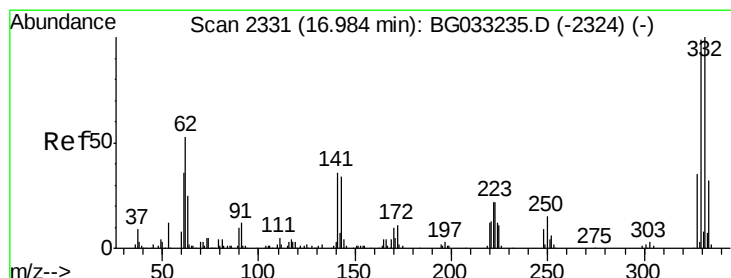
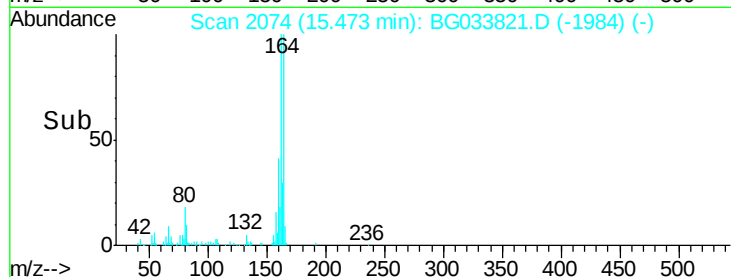
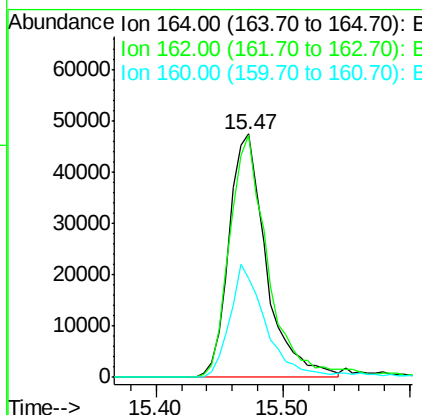
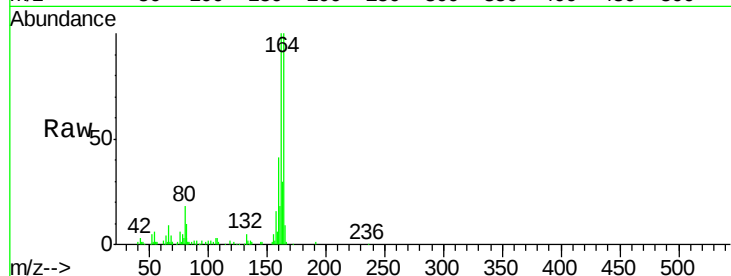




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: BG033821.D
 Acq: 16 Apr 2018 18:06

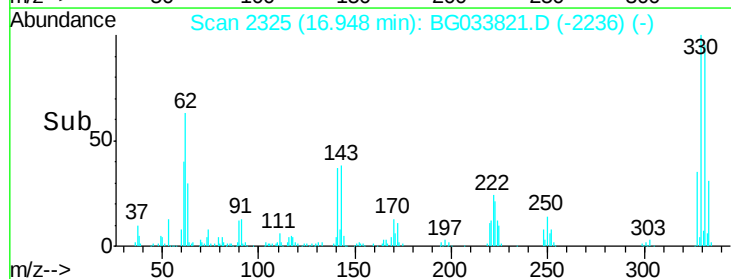
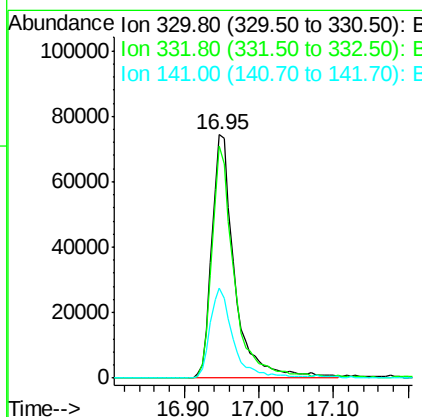
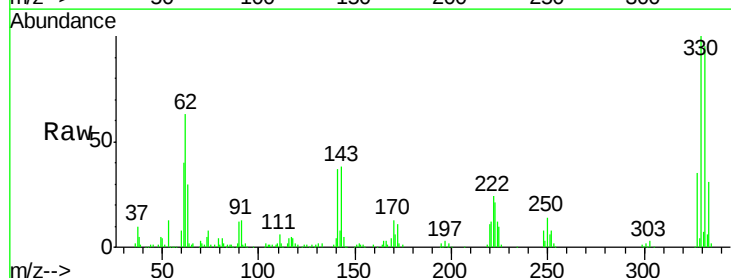
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 96340
 Ion Ratio Lower Upper
 164 100
 162 99.7 78.8 118.2
 160 40.9 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 109.500 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: BG033821.D
 Acq: 16 Apr 2018 18:06

Tgt Ion:330 Resp: 157776
 Ion Ratio Lower Upper
 330 100
 332 92.6 77.0 115.6
 141 37.3 25.2 37.8

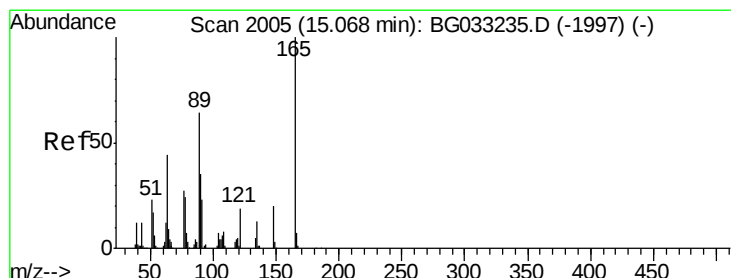
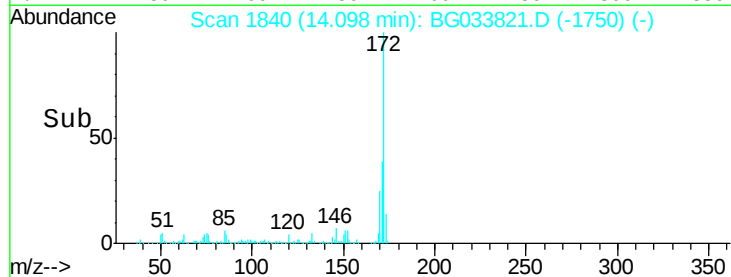
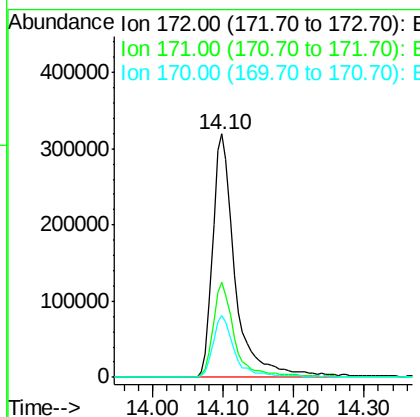
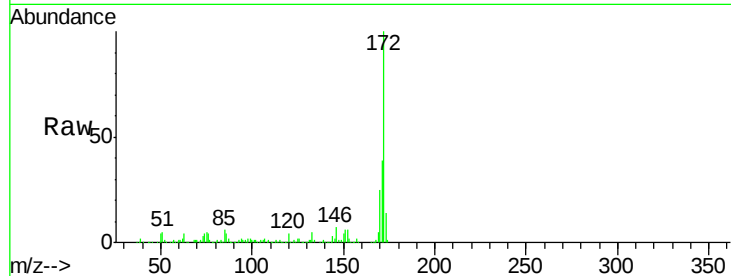




#44
 2-Fluorobiphenyl
 Concen: 105.820 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG033821.D
 Acq: 16 Apr 2018 18:06

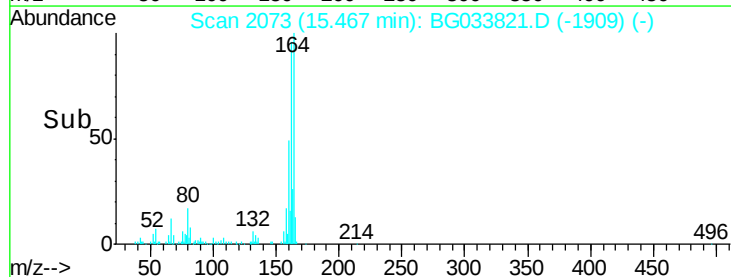
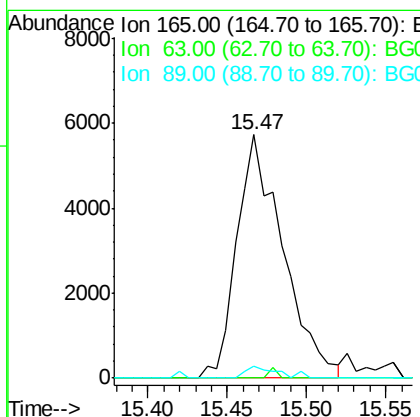
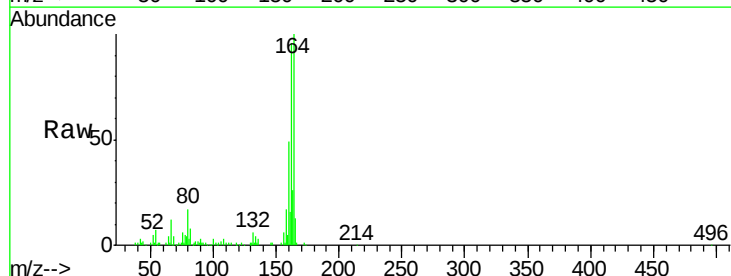
Instrument :
 BNA_G
 ClientSampleId :

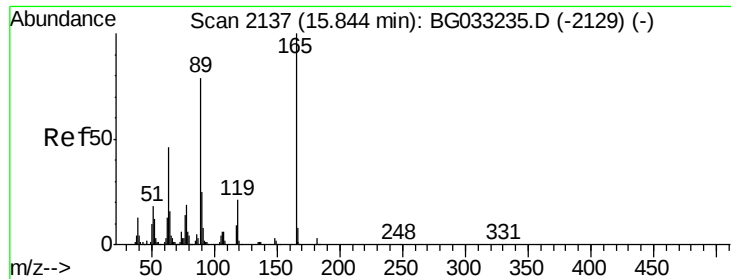
Tot Ion	172	Resp	706186
Ion	Ratio	Lower	Upper
172	100		
171	39.0	30.0	45.0
170	25.4	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.740 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. 0.43 min
 Lab File: BG033821.D
 Acq: 16 Apr 2018 18:06

Tgt Ion	165	Resp	11555
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	4.7	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 4.578 ng

RT: 15.47 min Scan# 2073

Delta R.T. -0.35 min

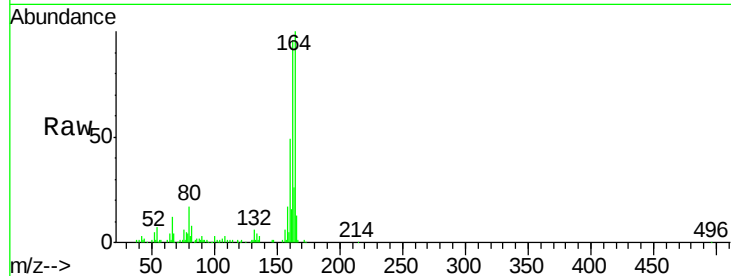
Lab File: BG033821.D

Acq: 16 Apr 2018 18:06

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 11555

Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 4.7 66.9 100.3#

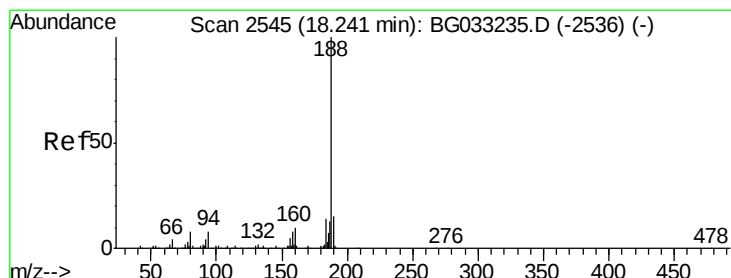
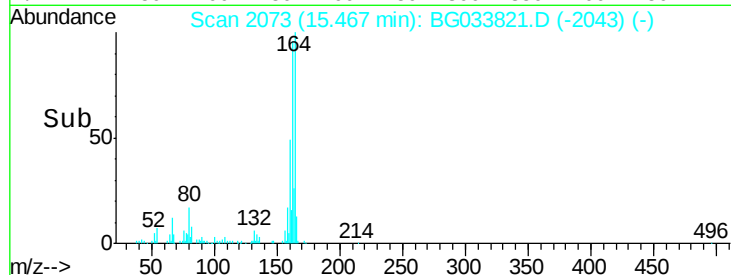
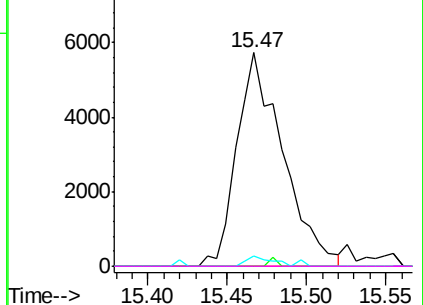
182 0.0 2.6 3.8#

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: 18.20 min Scan# 2539

Delta R.T. -0.00 min

Lab File: BG033821.D

Acq: 16 Apr 2018 18:06

Tgt Ion:188 Resp: 281688

Ion Ratio Lower Upper

188 100

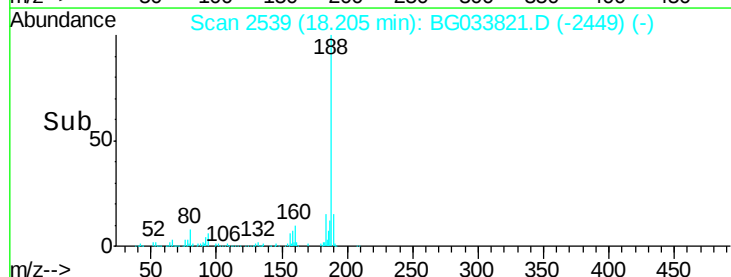
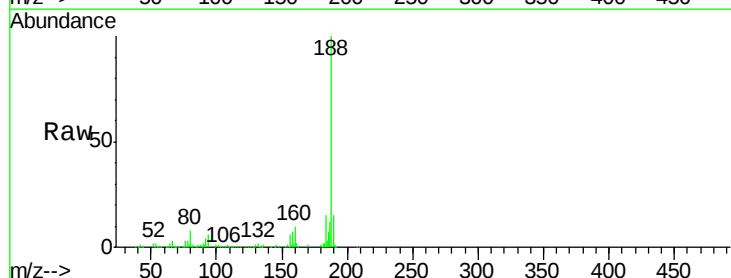
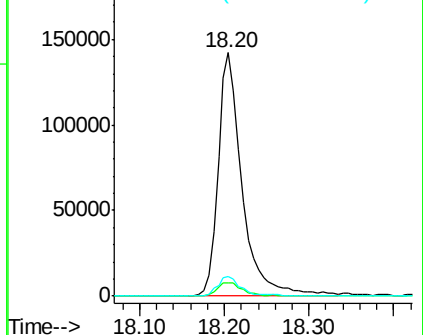
94 5.7 6.9 10.3#

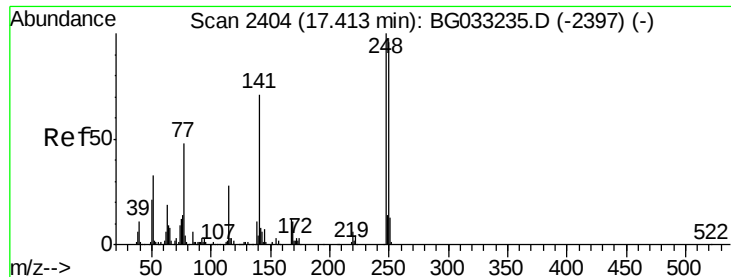
80 7.9 7.7 11.5

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

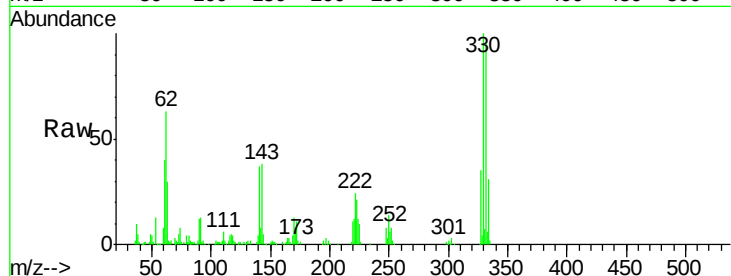




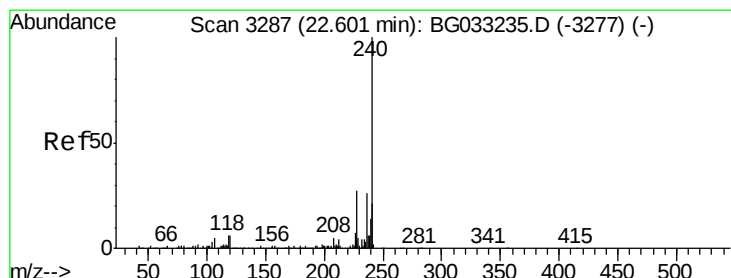
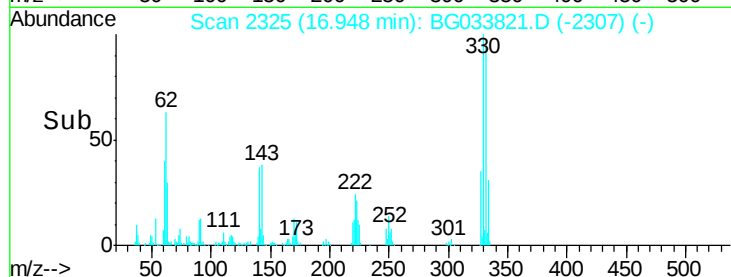
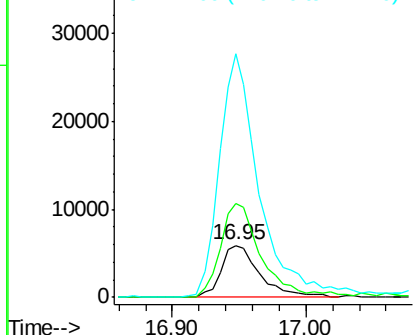
#66
4-Bromophenyl-phenylether
Concen: 3.568 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.42 min
Lab File: BG033821.D
Acq: 16 Apr 2018 18:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 11803
Ion Ratio Lower Upper
248 100
250 180.4 77.1 115.7#
141 467.0 50.8 76.2#

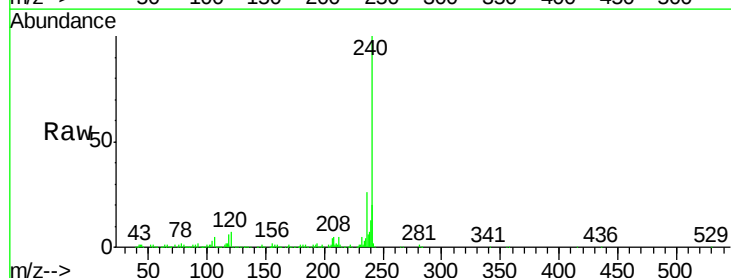


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

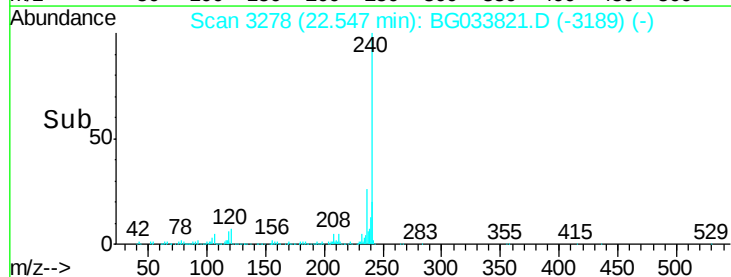
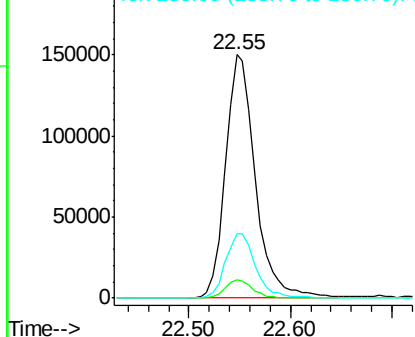


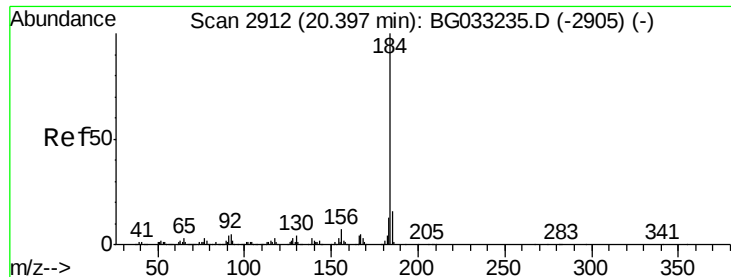
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3278
Delta R.T. -0.01 min
Lab File: BG033821.D
Acq: 16 Apr 2018 18:06

Tgt Ion:240 Resp: 305704
Ion Ratio Lower Upper
240 100
120 7.4 6.8 10.2
236 26.3 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





#76

Benzidine

Concen: 3.100 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.35 min

Lab File: BG033821.D

Acq: 16 Apr 2018 18:06

Instrument :

BNA_G

ClientSampleId :

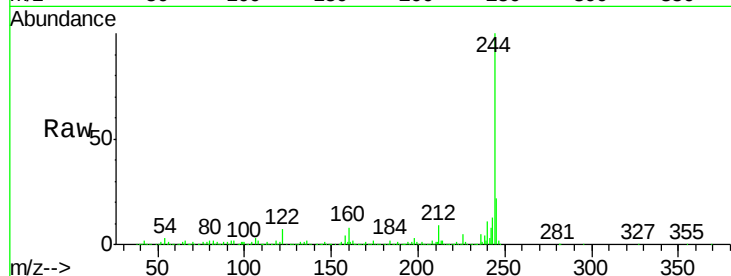
Tot Ion:184 Resp: 25697

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

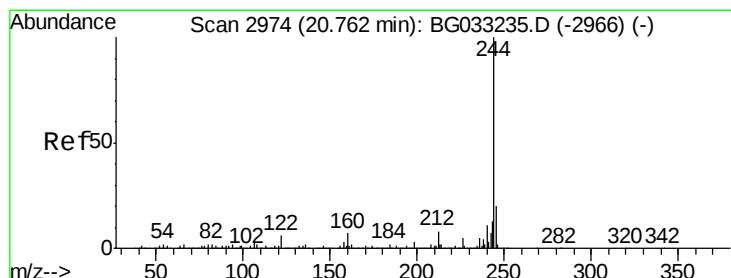
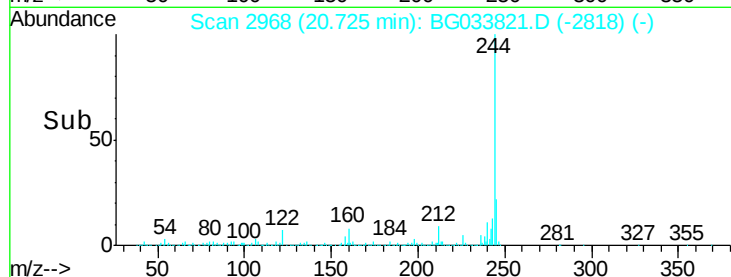
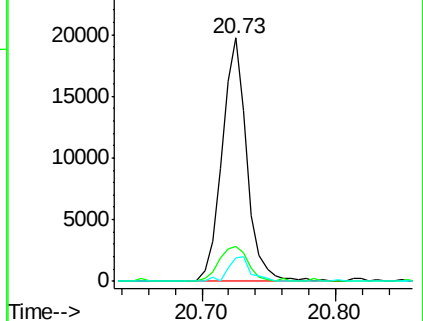
183 9.8 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 105.659 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.00 min

Lab File: BG033821.D

Acq: 16 Apr 2018 18:06

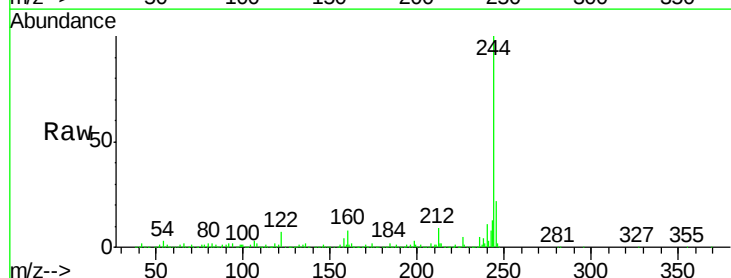
Tgt Ion:244 Resp: 1510345

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

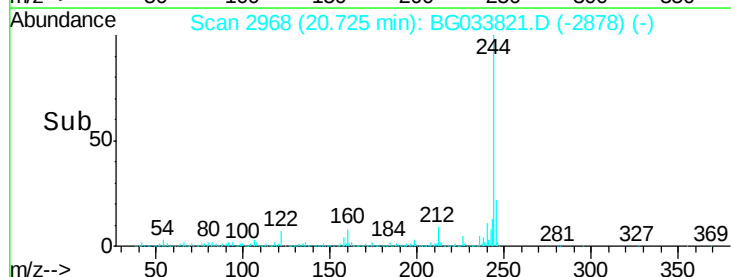
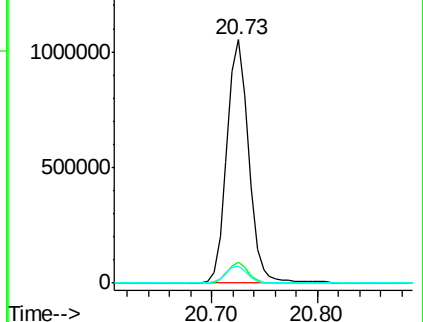
122 7.3 7.0 10.4

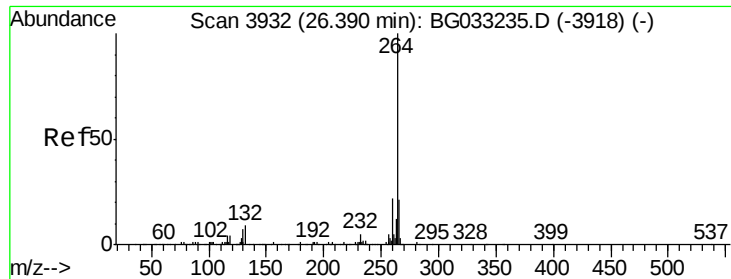


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.32 min Scan# 3920
 Delta R.T. -0.01 min
 Lab File: BG033821.D
 Acq: 16 Apr 2018 18:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	20.1	17.7	26.5

