

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
 Data File : BG033755.D
 Acq On : 11 Apr 2018 21:18
 Operator : SJ/JU
 Sample : J2320-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 12 01:36:42 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

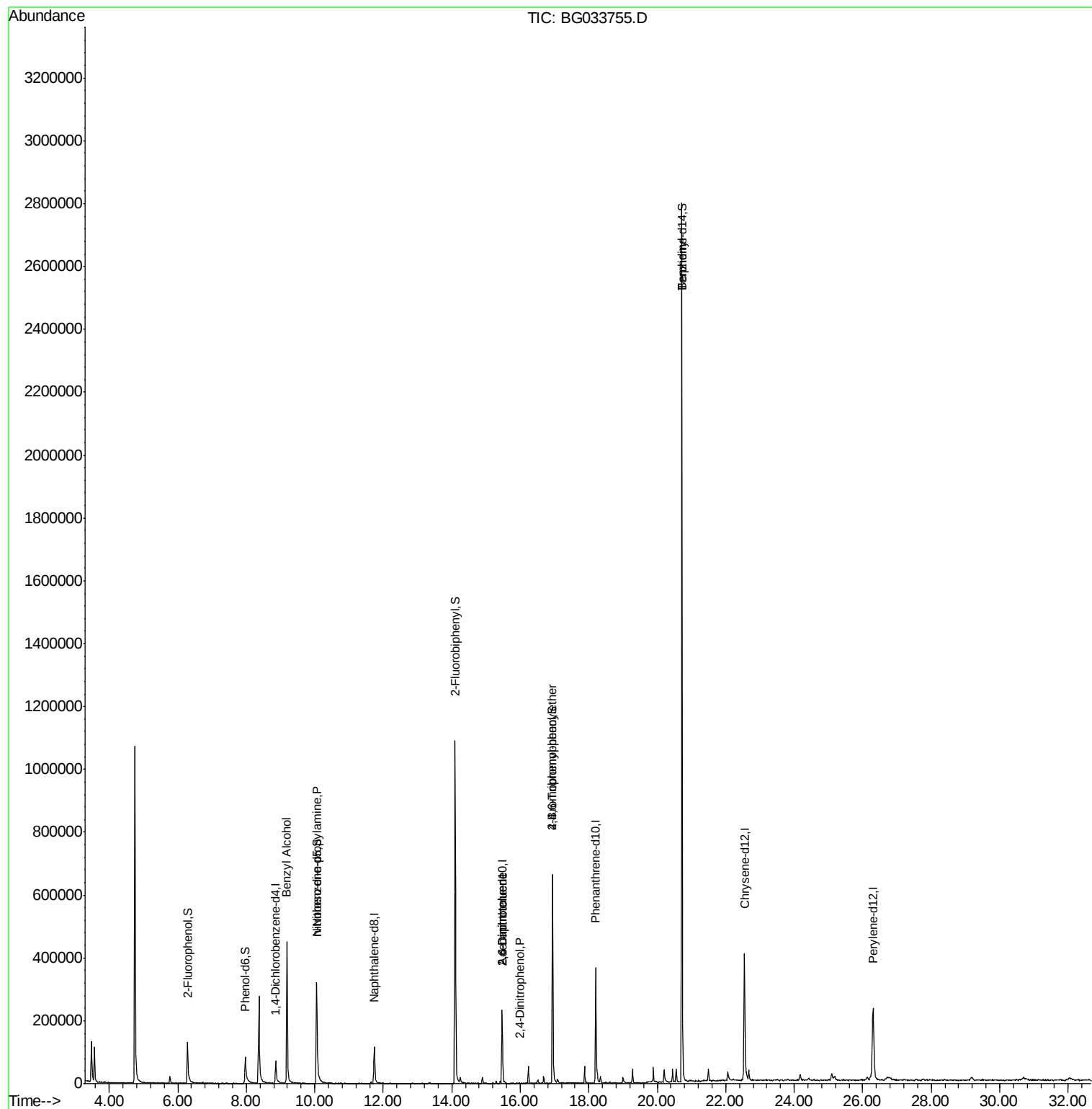
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	27002	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	115512	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	90176	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	261800	20.00	ng	0.00
75) Chrysene-d12	22.55	240	286166	20.00	ng	0.00
86) Perylene-d12	26.30	264	312207	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	73063	50.74	ng	0.00
7) Phenol-d6	7.97	99	76638	30.97	ng	0.00
23) Nitrobenzene-d5	10.05	82	263734	104.90	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	132501	98.24	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	637823	102.11	ng	0.00
78) Terphenyl-d14	20.72	244	1349189	100.83	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	4390	2.254	ng	# 39
19) n-Nitroso-di-n-propylamine	10.06	70	36265	20.002	ng	# 74
50) 2,6-Dinitrotoluene	15.47	165	11377	7.090	ng	# 21
53) 2,4-Dinitrophenol	16.00	184	55	7.703	ng	# 1
56) 2,4-Dinitrotoluene	15.47	165	11377	4.815	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	9675	3.147	ng	# 1
76) Benizidine	20.72	184	22793	2.937	ng	# 93

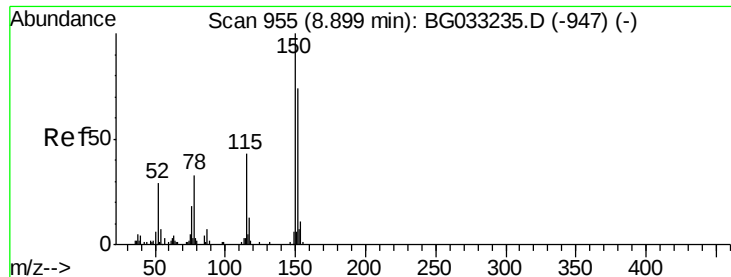
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.86 min Scan# 948

Delta R.T. 0.00 min

Lab File: BG033755.D

Acq: 11 Apr 2018 21:18

Instrument :

BNA_G

ClientSampleId :

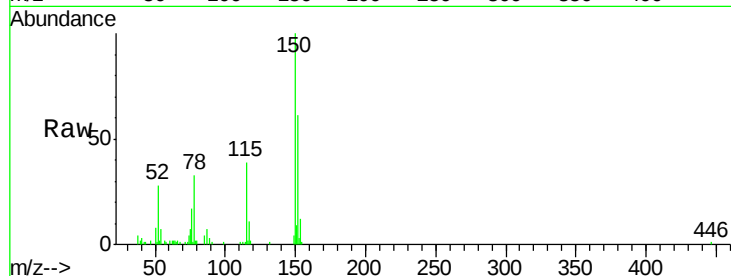
Tot Ion:152 Resp: 27002

Ion Ratio Lower Upper

152 100

150 164.2 126.6 189.8

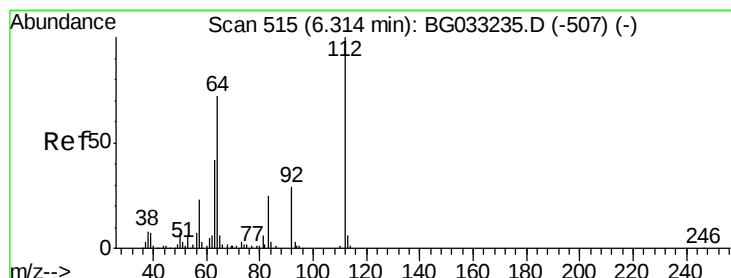
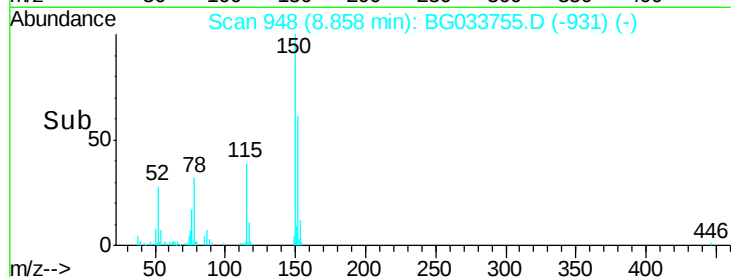
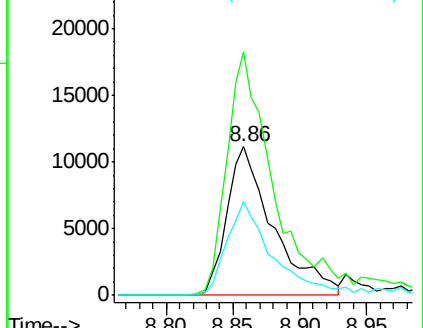
115 63.2 53.0 79.4



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: 50.738 ng

RT: 6.28 min Scan# 510

Delta R.T. 0.00 min

Lab File: BG033755.D

Acq: 11 Apr 2018 21:18

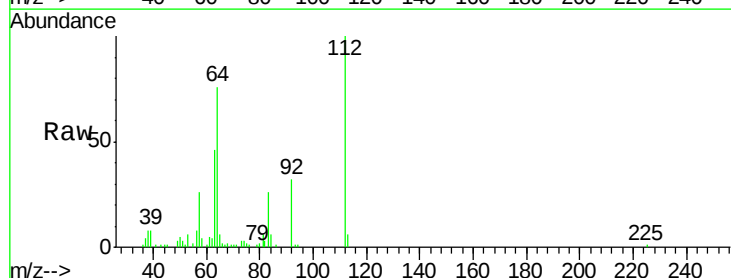
Tgt Ion:112 Resp: 73063

Ion Ratio Lower Upper

112 100

64 75.6 56.3 84.5

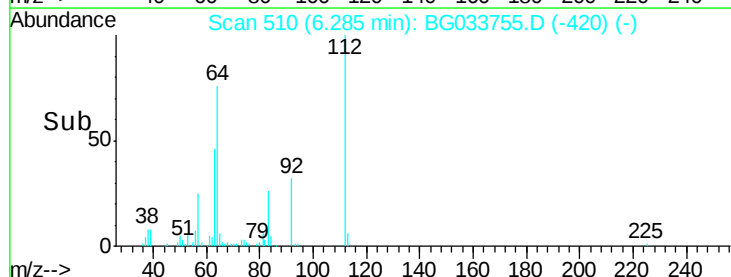
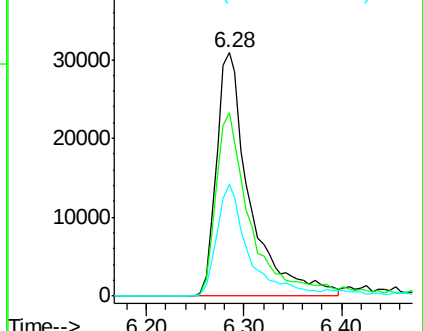
63 46.1 30.1 45.1#

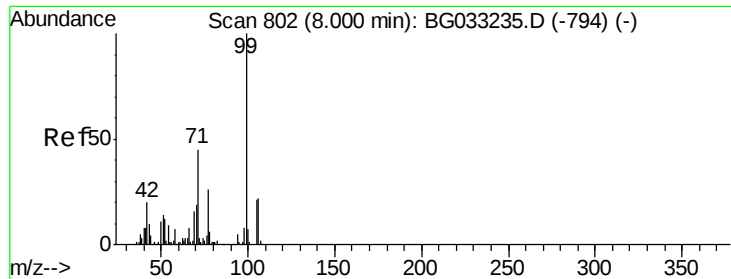


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 30.974 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033755.D

Acq: 11 Apr 2018 21:18

Instrument :

BNA_G

ClientSampleId :

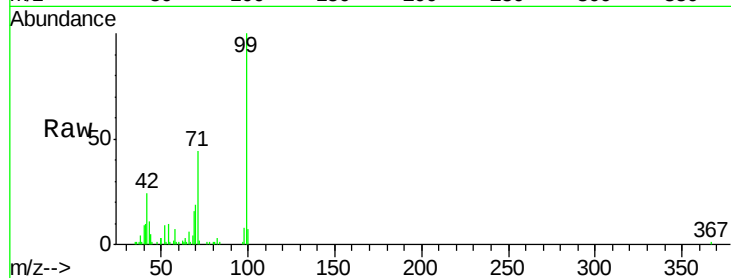
Tot Ion: 99 Resp: 76638

Ion Ratio Lower Upper

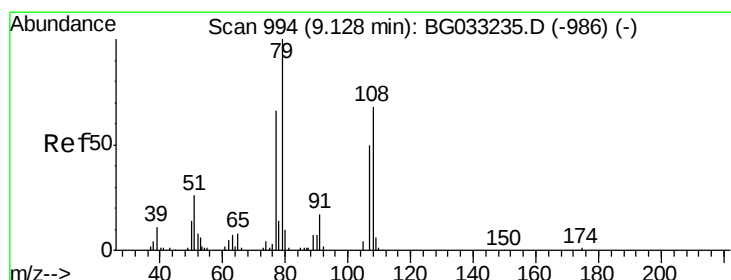
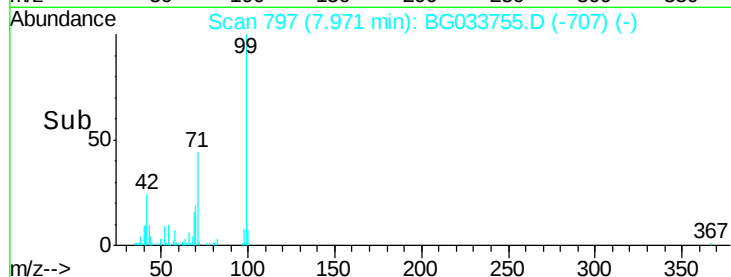
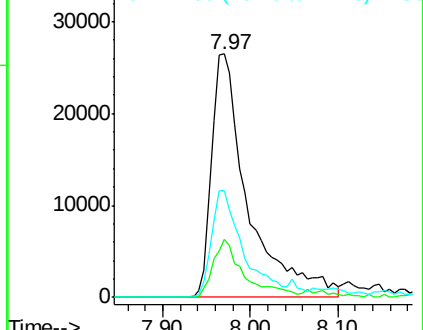
99 100

42 23.7 14.1 21.1#

71 43.6 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



#15

Benzyl Alcohol

Concen: 2.254 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.10 min

Lab File: BG033755.D

Acq: 11 Apr 2018 21:18

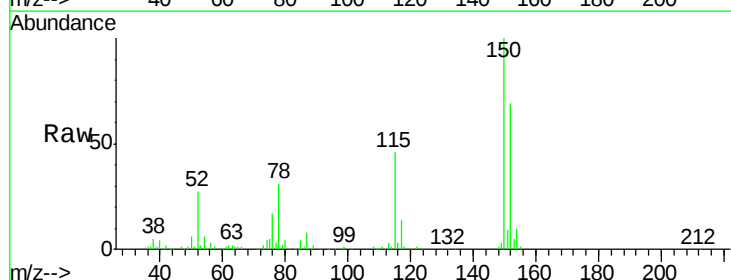
Tgt Ion: 79 Resp: 4390

Ion Ratio Lower Upper

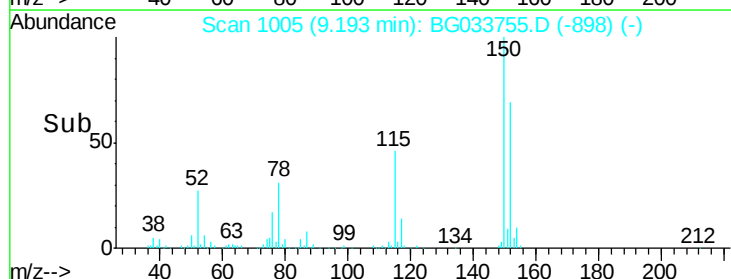
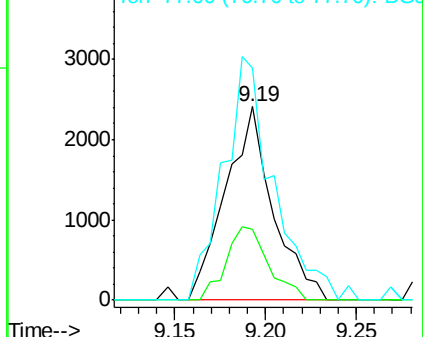
79 100

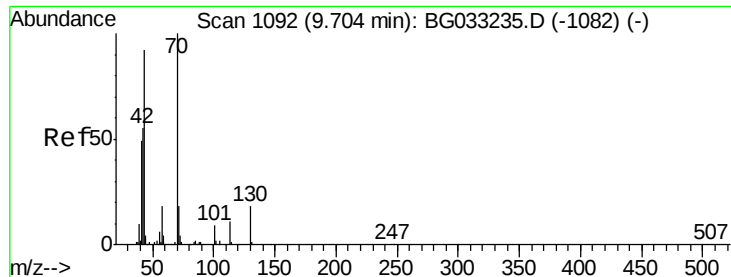
108 36.4 57.2 85.8#

77 120.2 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

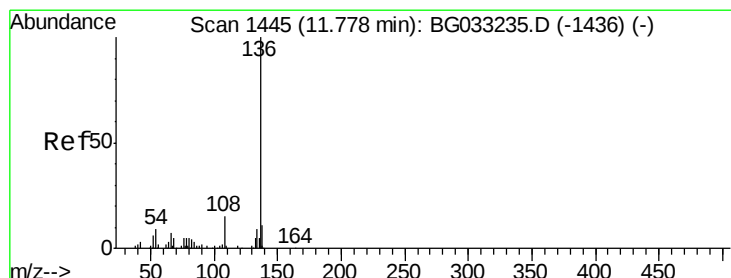
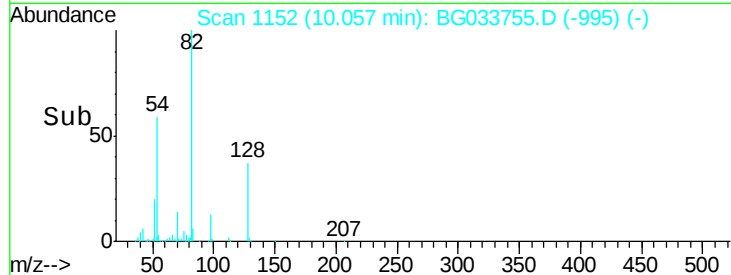
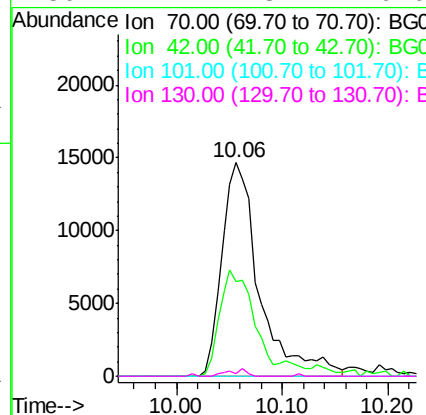
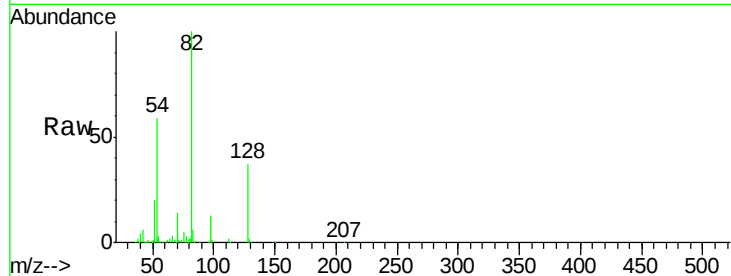




#19
n-Nitroso-di-n-propylamine
Concen: 20.002 ng
RT: 10.06 min Scan# 1152
Delta R.T. 0.39 min
Lab File: BG033755.D
Acq: 11 Apr 2018 21:18

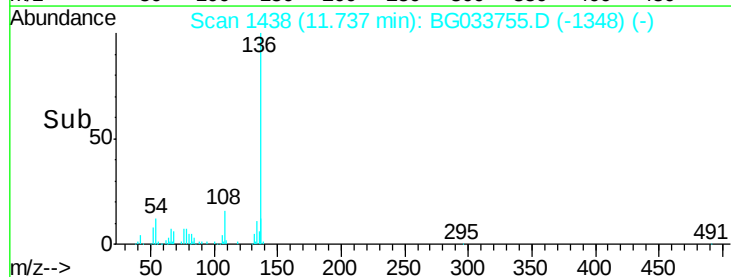
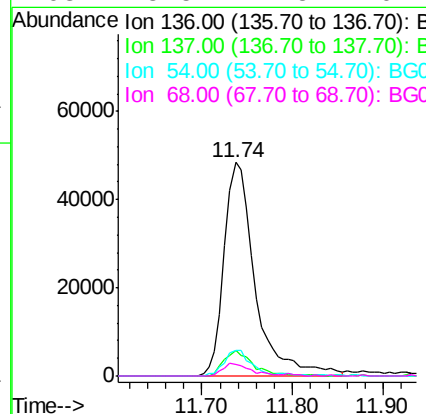
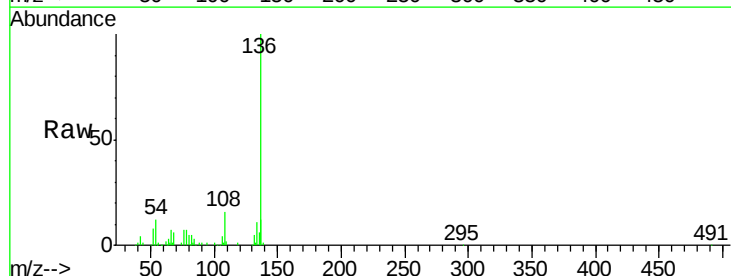
Instrument :
BNA_G
ClientSampleId :

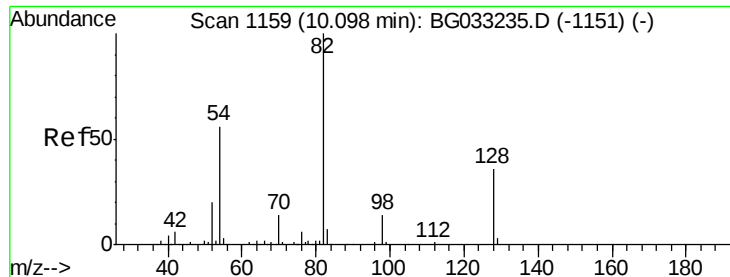
Tot Ion: 70 Resp: 36265
Ion Ratio Lower Upper
70 100
42 44.2 49.1 73.7#
101 0.0 8.5 12.7#
130 1.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033755.D
Acq: 11 Apr 2018 21:18

Tgt Ion: 136 Resp: 115512
Ion Ratio Lower Upper
136 100
137 12.3 9.2 13.8
54 11.8 10.3 15.5
68 5.5 4.5 6.7





#23

Nitrobenzene-d5

Concen: 104.898 ng

RT: 10.05 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BG033755.D

Acq: 11 Apr 2018 21:18

Instrument :

BNA_G

ClientSampleId :

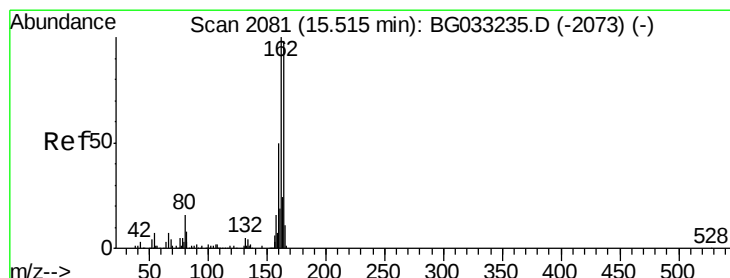
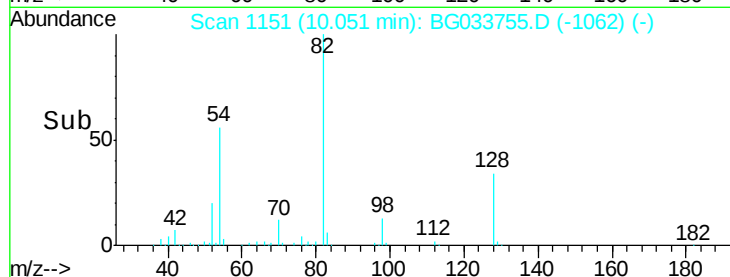
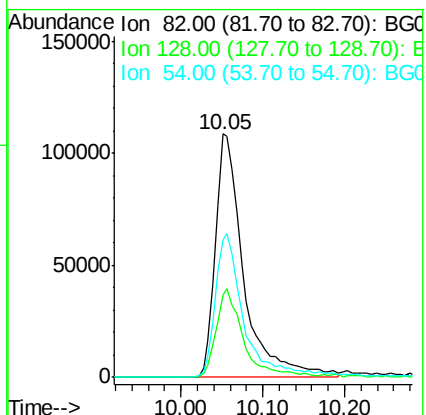
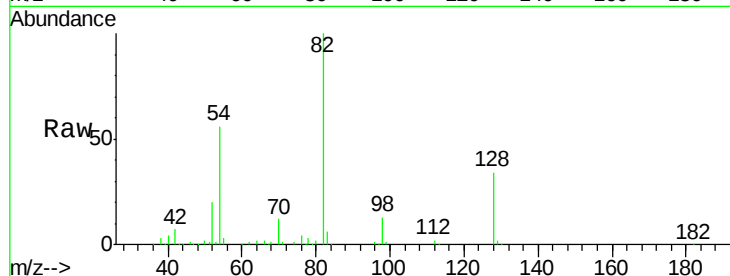
Tot Ion: 82 Resp: 263734

Ion Ratio Lower Upper

82 100

128 33.9 29.7 44.5

54 56.2 43.1 64.7



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.47 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BG033755.D

Acq: 11 Apr 2018 21:18

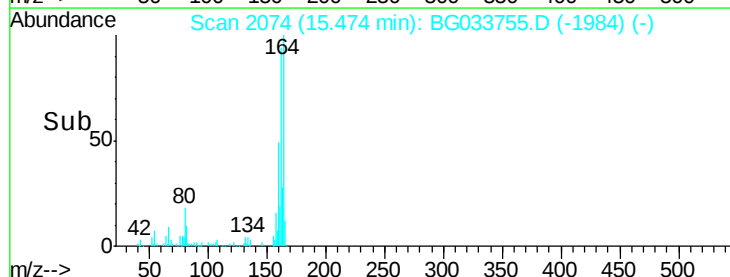
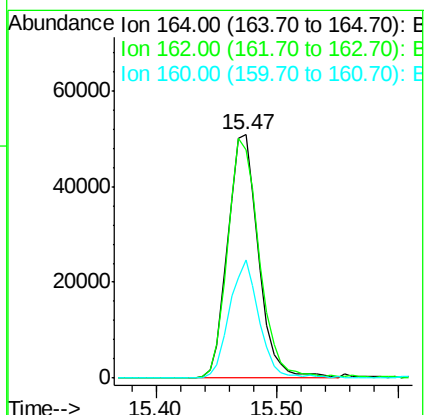
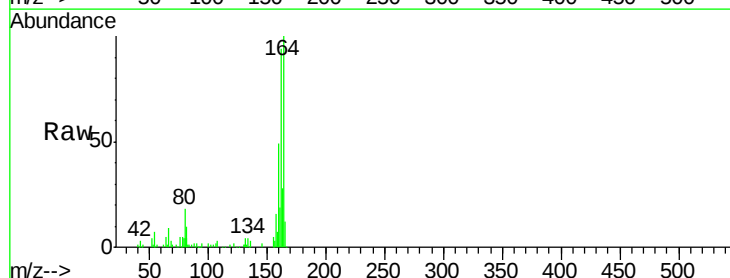
Tgt Ion:164 Resp: 90176

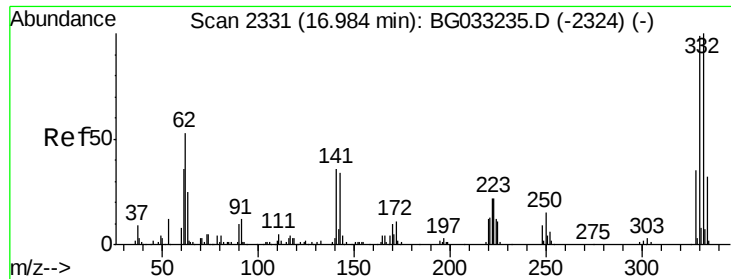
Ion Ratio Lower Upper

164 100

162 93.7 78.8 118.2

160 48.7 35.4 53.0

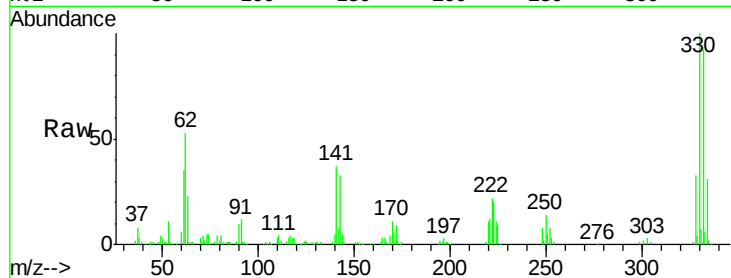




#41
 2,4,6-Tribromophenol
 Concen: 98.244 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: BG033755.D
 Acq: 11 Apr 2018 21:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	39.5	25.2	37.8#

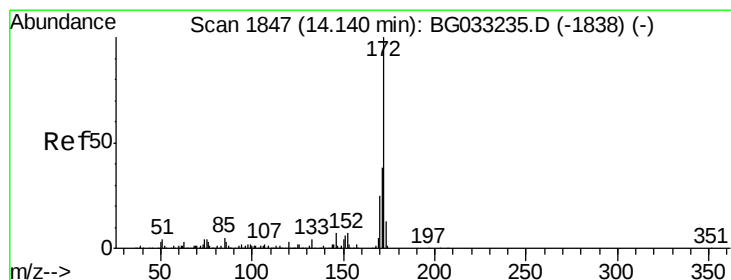
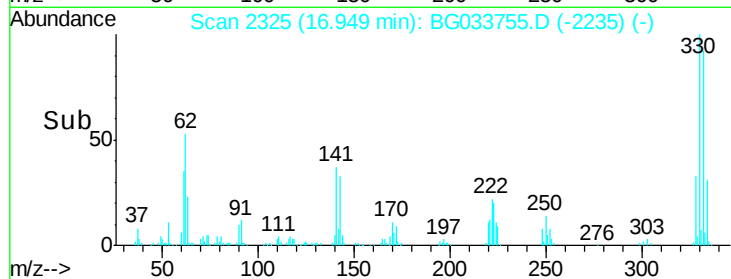
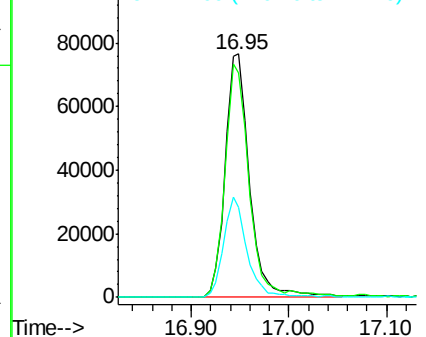


Abundance

Ion 329.80 (329.50 to 330.50): E

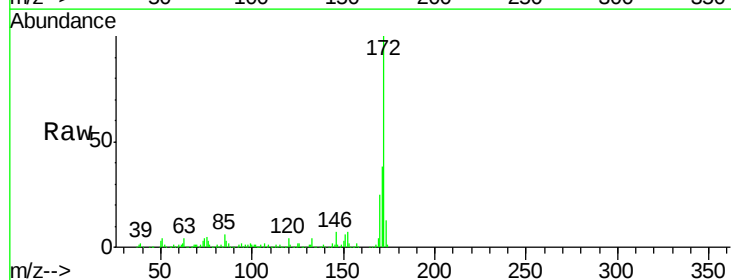
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 102.110 ng
 RT: 14.10 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BG033755.D
 Acq: 11 Apr 2018 21:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	25.3	19.5	29.3

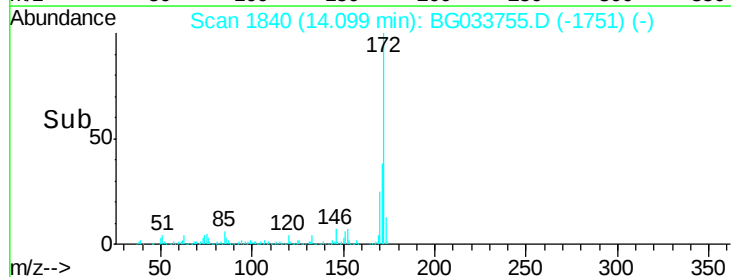
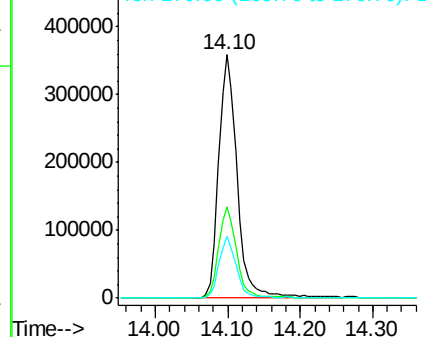


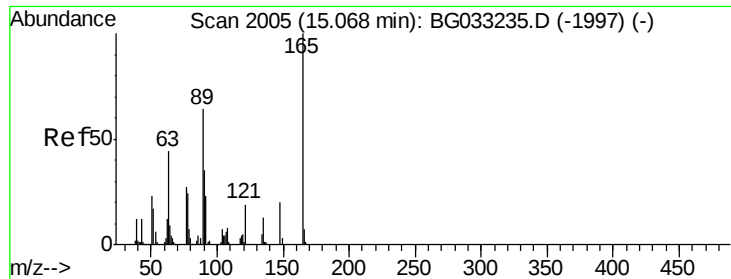
Abundance

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

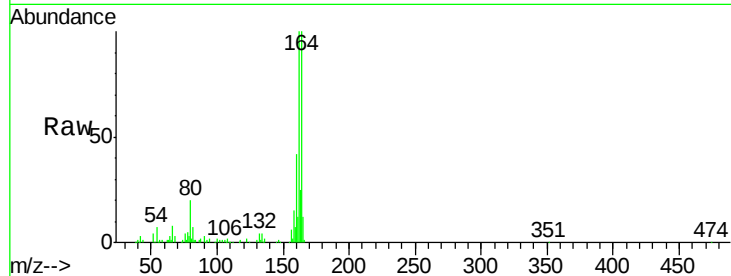




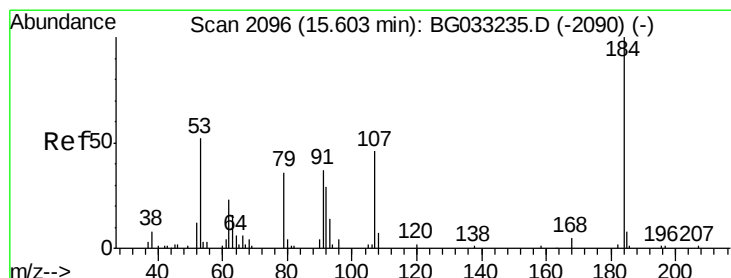
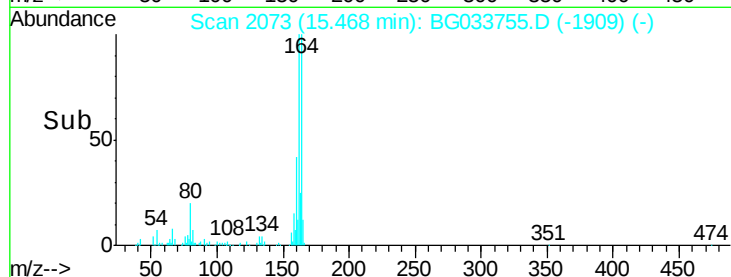
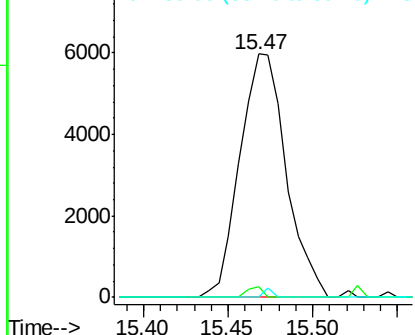
#50
 2,6-Dinitrotoluene
 Concen: 7.090 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. 0.44 min
 Lab File: BG033755.D
 Acq: 11 Apr 2018 21:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 11377
 Ion Ratio Lower Upper
 165 100
 63 4.5 52.7 79.1#
 89 0.0 49.2 73.8#

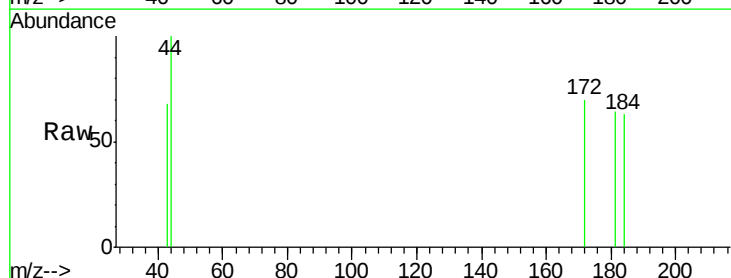


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

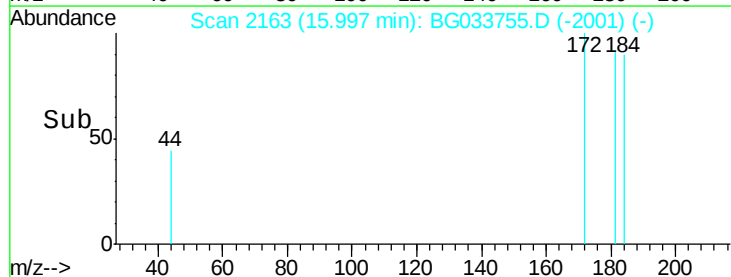
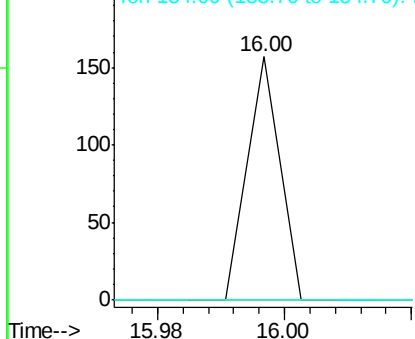


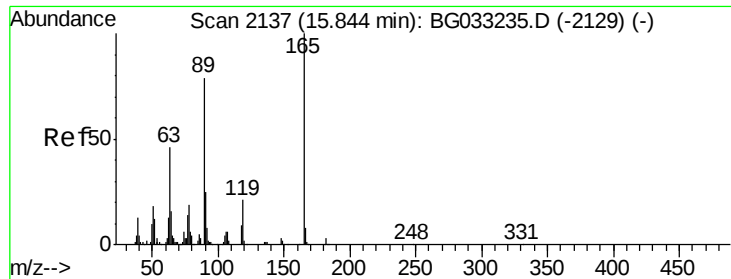
#53
 2,4-Dinitrophenol
 Concen: 7.703 ng
 RT: 16.00 min Scan# 2163
 Delta R.T. 0.42 min
 Lab File: BG033755.D
 Acq: 11 Apr 2018 21:18

Tgt Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

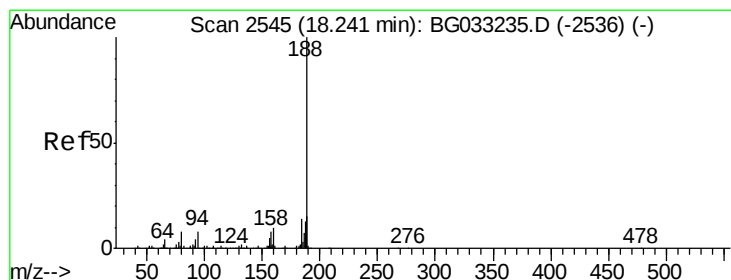
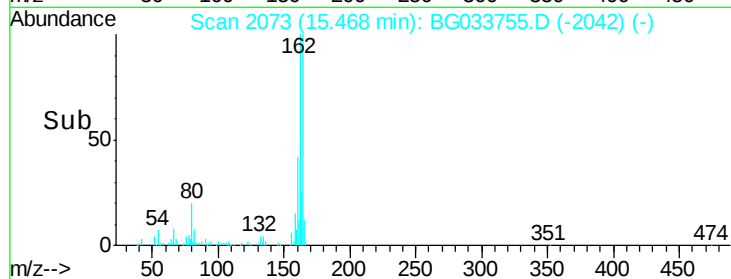
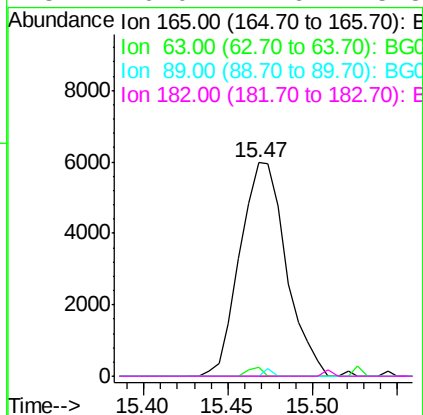
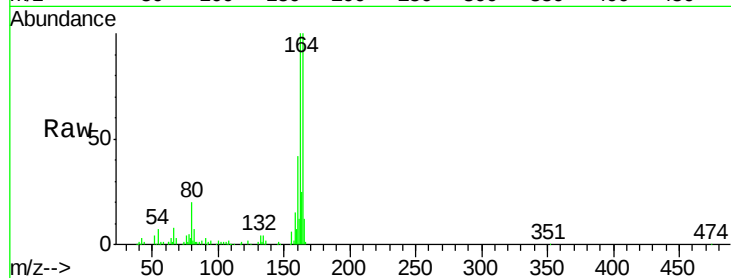




#56
 2,4-Dinitrotoluene
 Concen: 4.815 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. -0.35 min
 Lab File: BG033755.D
 Acq: 11 Apr 2018 21:18

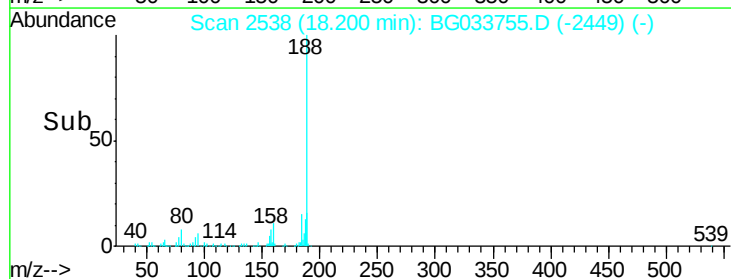
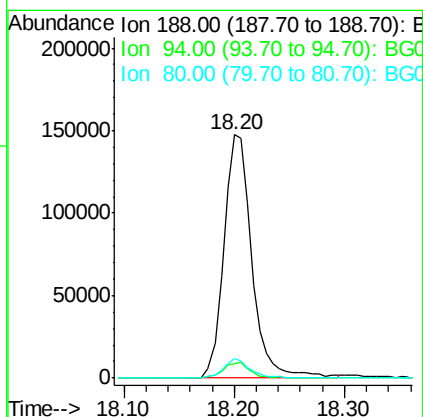
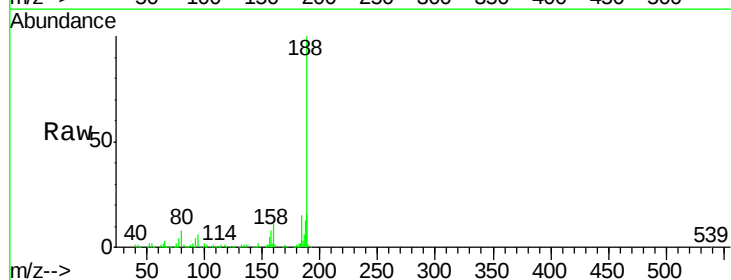
Instrument :
 BNA_G
 ClientSampleId :

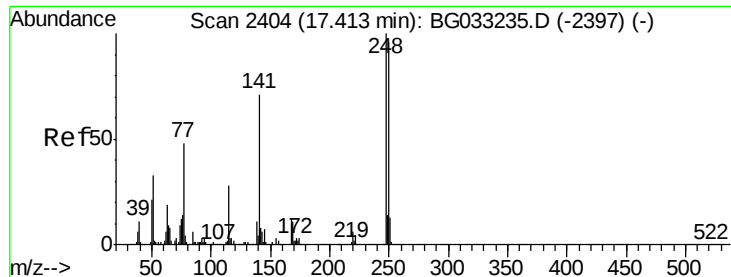
Tot Ion:165 Resp: 11377
 Ion Ratio Lower Upper
 165 100
 63 4.5 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.20 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BG033755.D
 Acq: 11 Apr 2018 21:18

Tgt Ion:188 Resp: 261800
 Ion Ratio Lower Upper
 188 100
 94 5.7 6.9 10.3#
 80 7.9 7.7 11.5

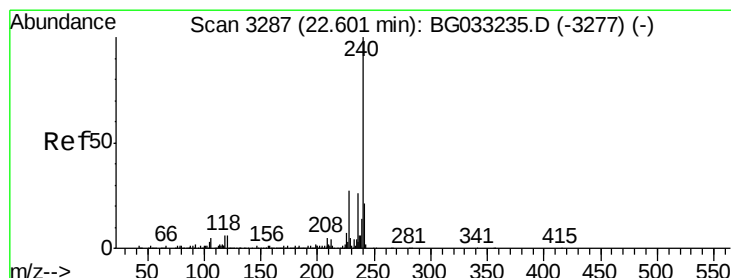
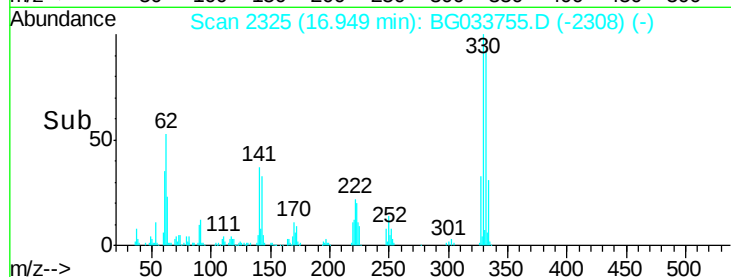
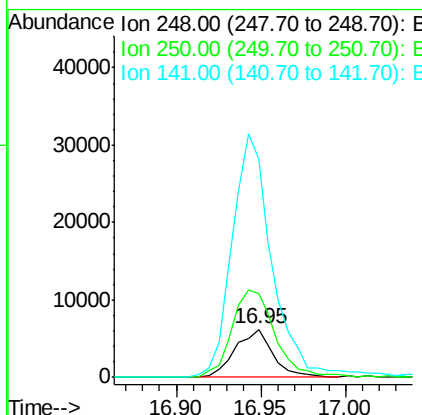
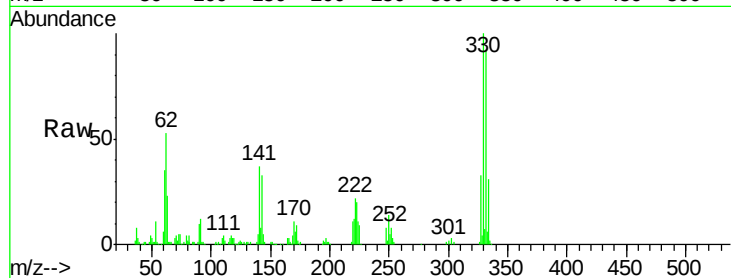




#66
 4-Bromophenyl-phenylether
 Concen: 3.147 ng
 RT: 16.95 min Scan# 2325
 Delta R.T. -0.43 min
 Lab File: BG033755.D
 Acq: 11 Apr 2018 21:18

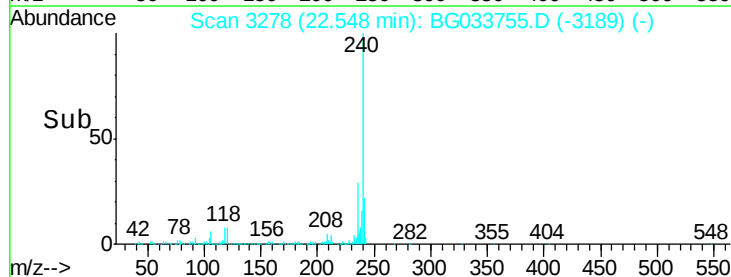
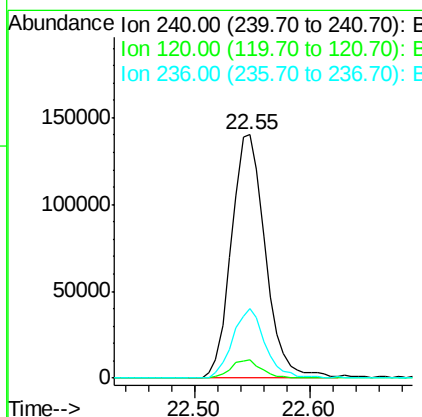
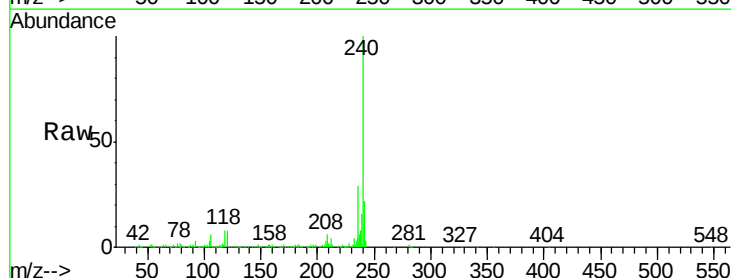
Instrument :
 BNA_G
 ClientSampleId :

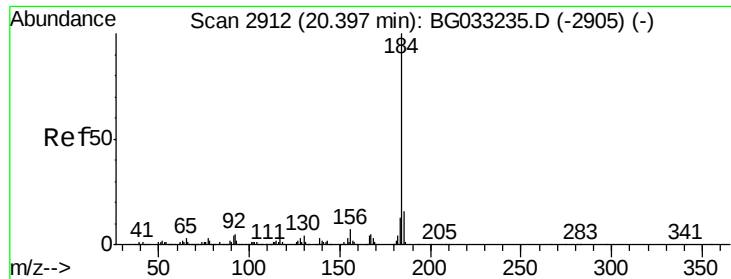
Tot Ion:248 Resp: 9675
 Ion Ratio Lower Upper
 248 100
 250 174.1 77.1 115.7#
 141 455.6 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.55 min Scan# 3278
 Delta R.T. -0.01 min
 Lab File: BG033755.D
 Acq: 11 Apr 2018 21:18

Tgt Ion:240 Resp: 286166
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.8 10.2
 236 28.8 20.9 31.3





#76

Benzidine

Concen: 2.937 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.36 min

Lab File: BG033755.D

Acq: 11 Apr 2018 21:18

Instrument :

BNA_G

ClientSampleId :

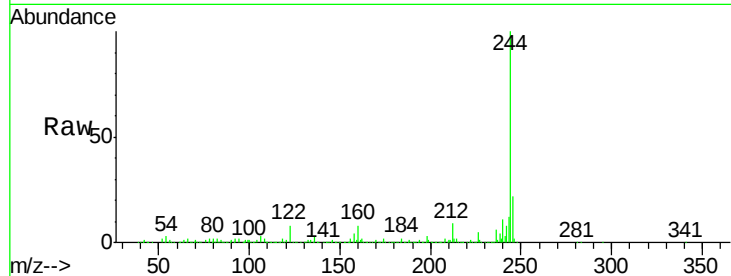
Tot Ion:184 Resp: 22793

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

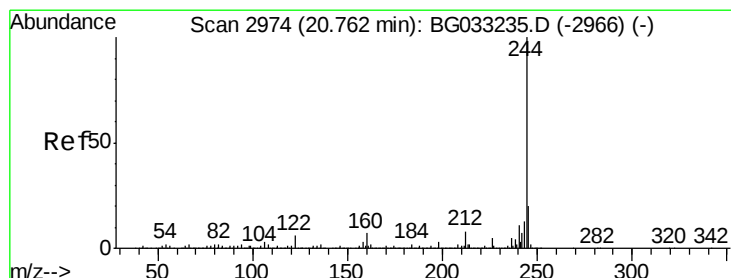
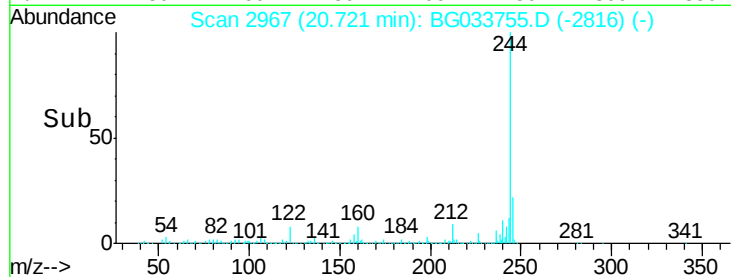
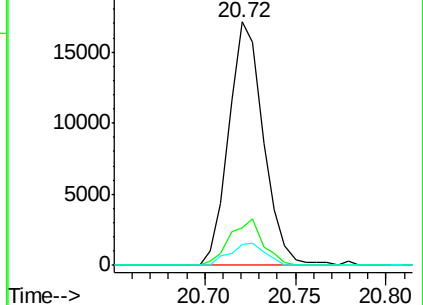
183 8.6 10.6 16.0#



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: 100.829 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.01 min

Lab File: BG033755.D

Acq: 11 Apr 2018 21:18

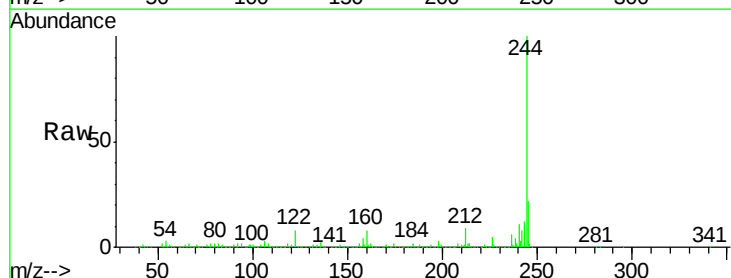
Tgt Ion:244 Resp: 1349189

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

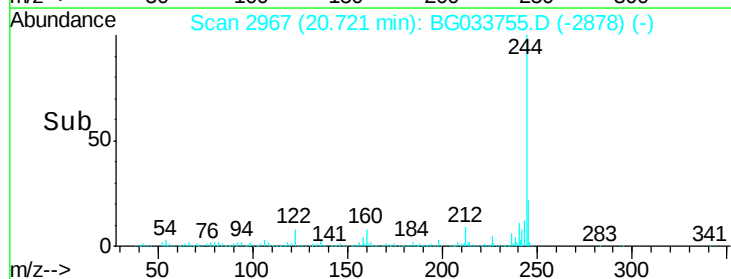
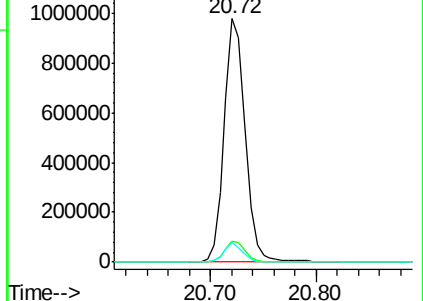
122 7.9 7.0 10.4

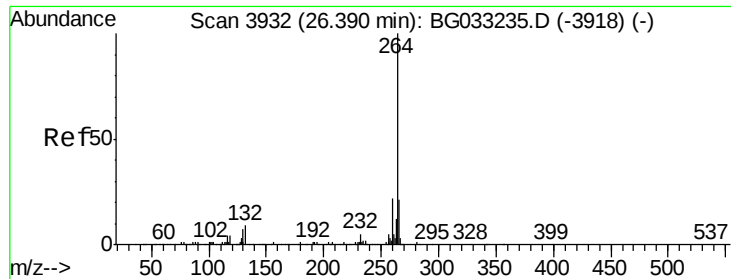


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.30 min Scan# 3917
 Delta R.T. -0.01 min
 Lab File: BG033755.D
 Acq: 11 Apr 2018 21:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	22.4	17.7	26.5

