

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041118\
 Data File : BG033770.D
 Acq On : 12 Apr 2018 7:34
 Operator : SJ/JU
 Sample : J2321-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 12 08:10:00 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

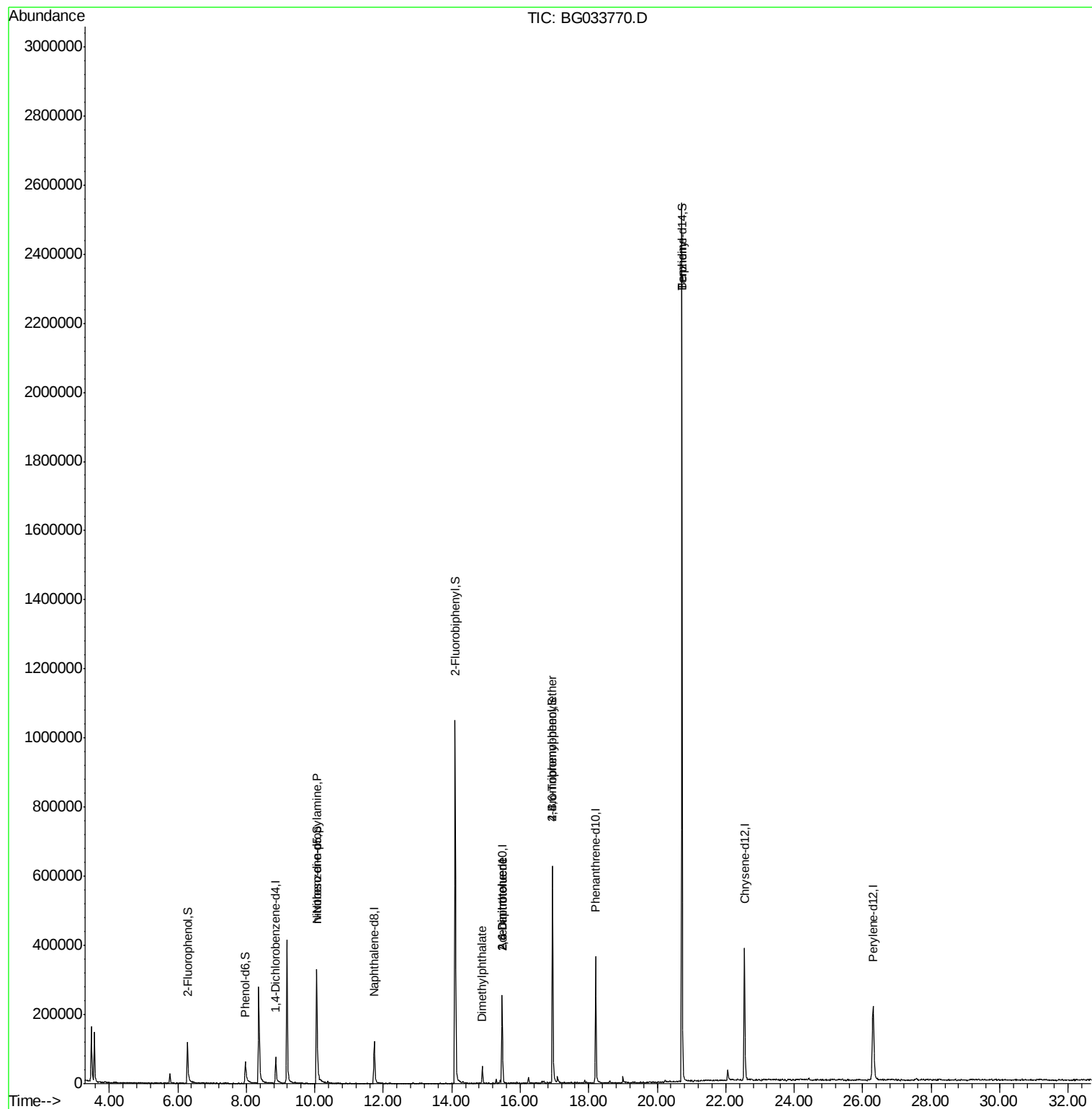
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	29326	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	123865	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	95761	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	265231	20.00	ng	0.00
75) Chrysene-d12	22.55	240	283073	20.00	ng	0.00
86) Perylene-d12	26.30	264	303785	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	63934	40.88	ng	0.00
7) Phenol-d6	7.97	99	54869	20.42	ng	0.00
23) Nitrobenzene-d5	10.06	82	265030	98.31	ng	0.00
41) 2,4,6-Tribromophenol	16.94	330	121933	85.14	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	619370	93.37	ng	0.00
78) Terphenyl-d14	20.72	244	1240924	93.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.05	70	35761	18.161	ng	# 76
49) Dimethylphthalate	14.89	163	34866	4.184	ng	# 97
50) 2,6-Dinitrotoluene	15.47	165	12702	7.454	ng	# 20
56) 2,4-Dinitrotoluene	15.47	165	12700	5.062	ng	# 17
66) 4-Bromophenyl-phenylether	16.94	248	9840	3.159	ng	# 1
76) Benzidine	20.72	184	21358	2.782	ng	# 94

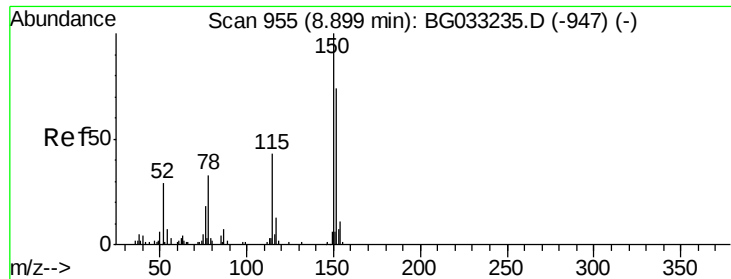
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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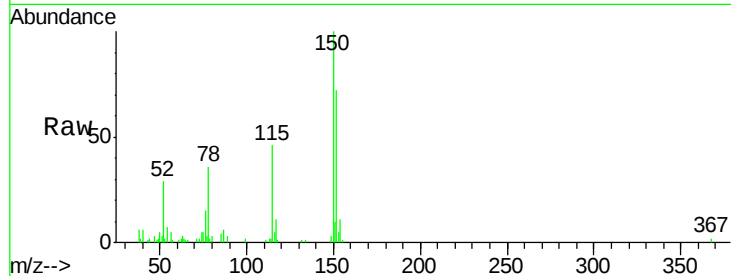


#1

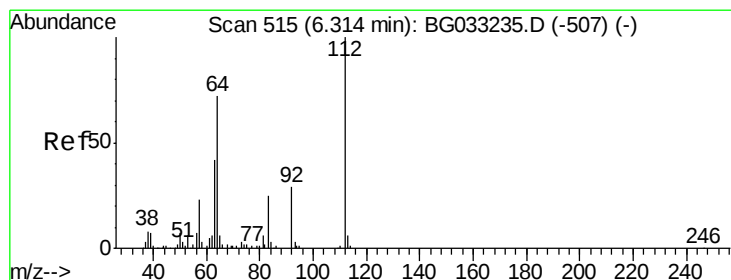
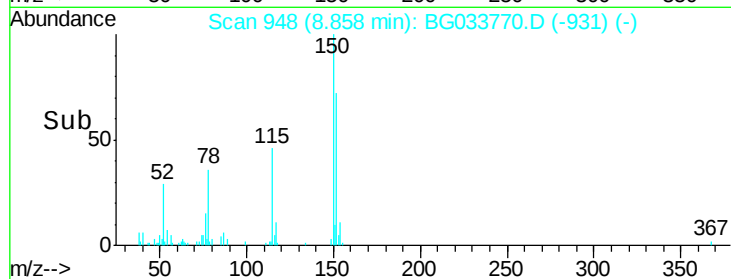
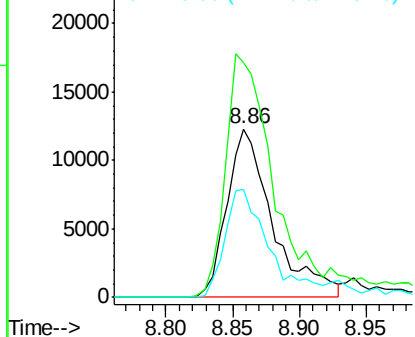
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.00 min
Lab File: BG033770.D
Acq: 12 Apr 2018 7:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.7	126.6	189.8
115	64.1	53.0	79.4



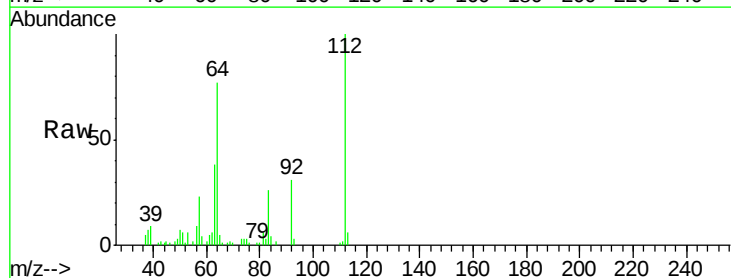
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



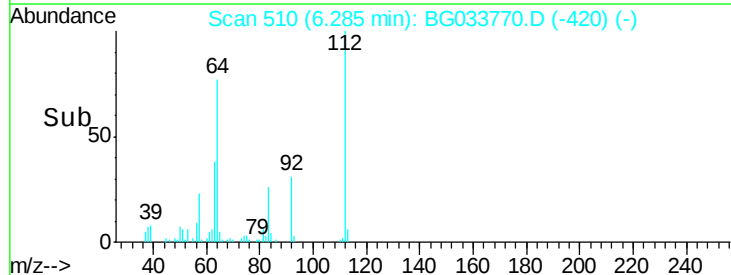
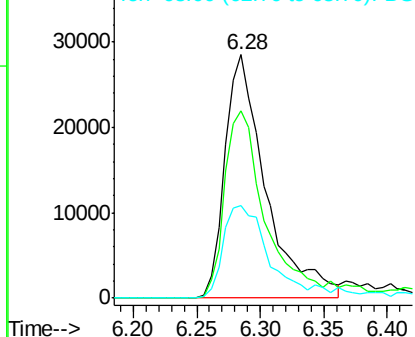
#5

2-Fluorophenol
Concen: 40.880 ng
RT: 6.28 min Scan# 510
Delta R.T. 0.00 min
Lab File: BG033770.D
Acq: 12 Apr 2018 7:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.7	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: 20.419 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033770.D

Acq: 12 Apr 2018 7:34

Instrument :

BNA_G

ClientSampleId :

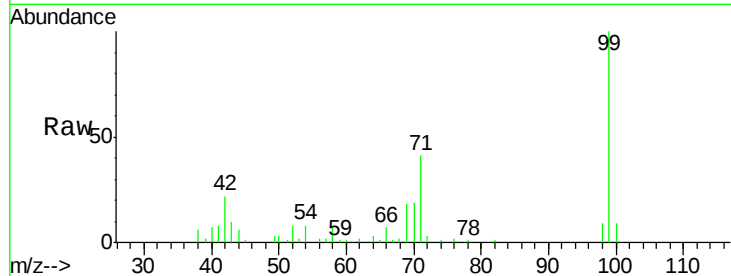
Tot Ion: 99 Resp: 54869

Ion Ratio Lower Upper

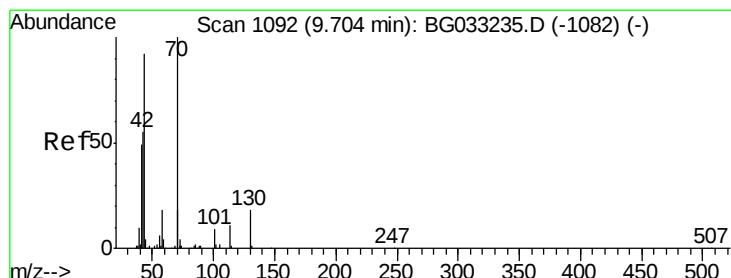
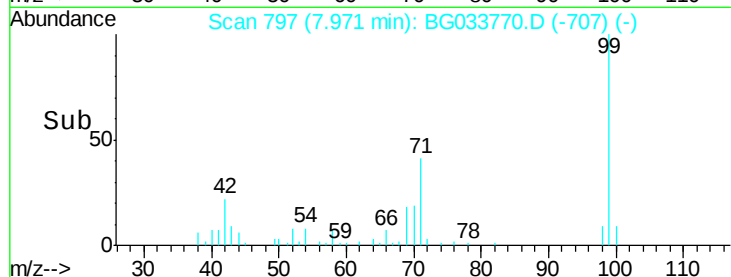
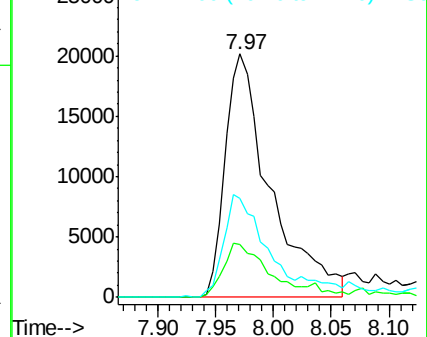
99 100

42 21.7 14.1 21.1#

71 40.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.161 ng

RT: 10.05 min Scan# 1151

Delta R.T. 0.39 min

Lab File: BG033770.D

Acq: 12 Apr 2018 7:34

Tgt Ion: 70 Resp: 35761

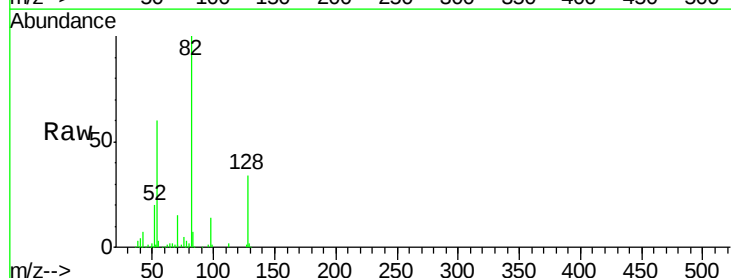
Ion Ratio Lower Upper

70 100

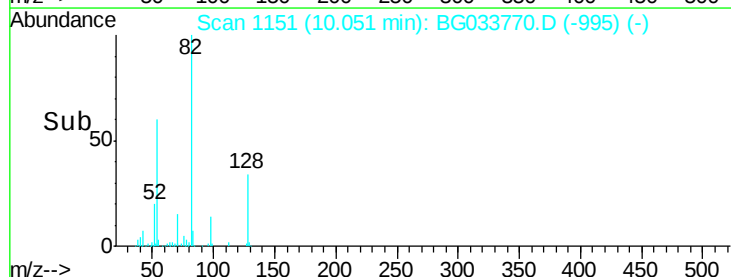
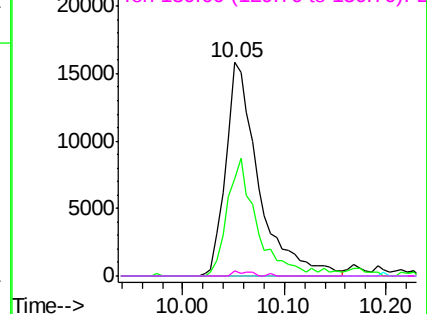
42 45.5 49.1 73.7#

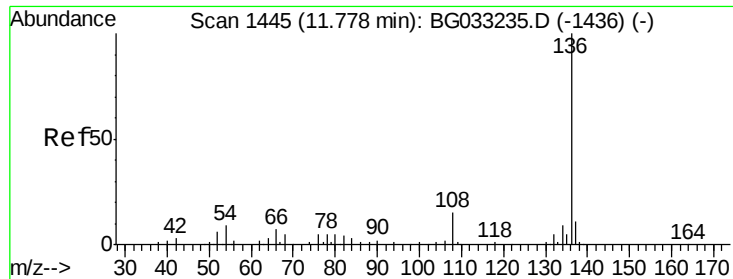
101 0.0 8.5 12.7#

130 2.6 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.74 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BG033770.D

Acq: 12 Apr 2018 7:34

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 123865

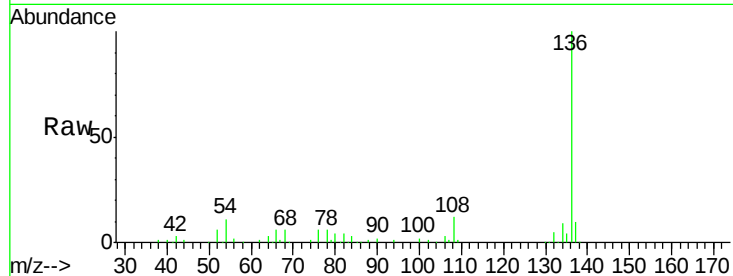
Ion Ratio Lower Upper

136 100

137 10.2 9.2 13.8

54 10.8 10.3 15.5

68 5.8 4.5 6.7

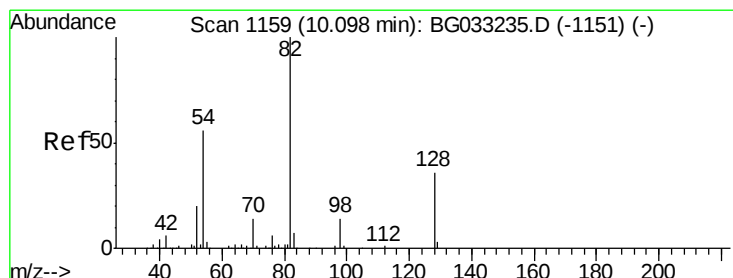
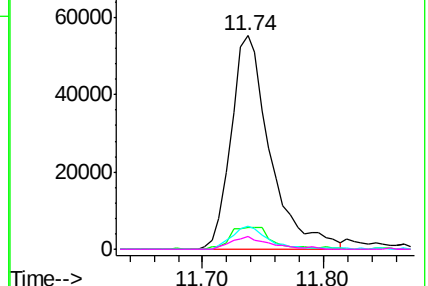
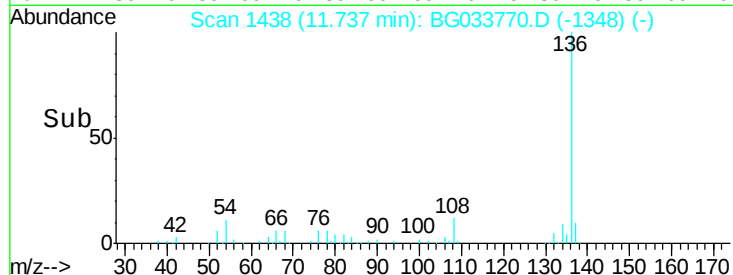


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.305 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BG033770.D

Acq: 12 Apr 2018 7:34

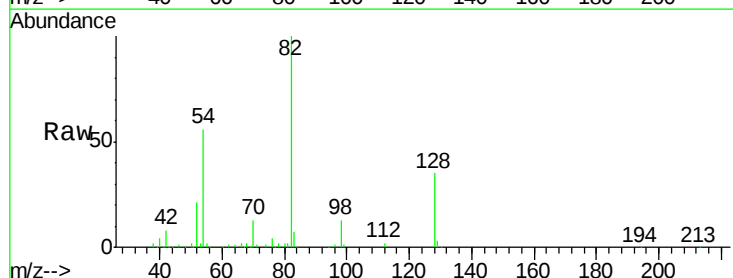
Tgt Ion: 82 Resp: 265030

Ion Ratio Lower Upper

82 100

128 35.1 29.7 44.5

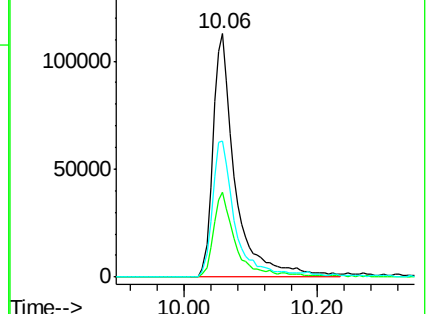
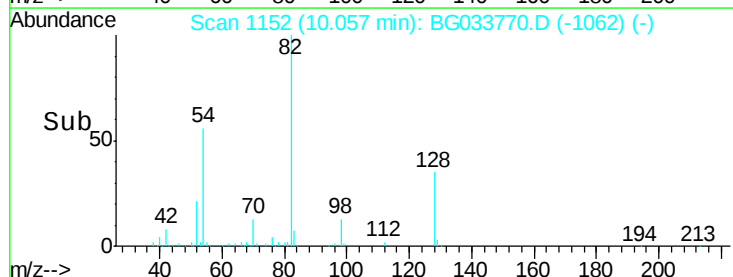
54 55.9 43.1 64.7



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: BG033770.D

Acq: 12 Apr 2018 7:34

Instrument :

BNA_G

ClientSampleId :

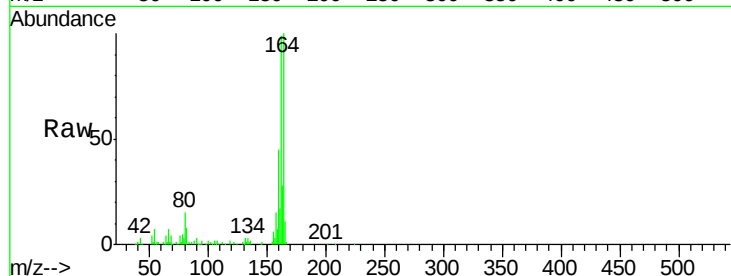
Tot Ion:164 Resp: 95761

Ion Ratio Lower Upper

164 100

162 98.8 78.8 118.2

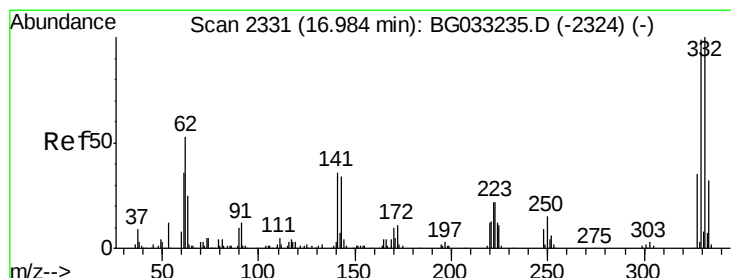
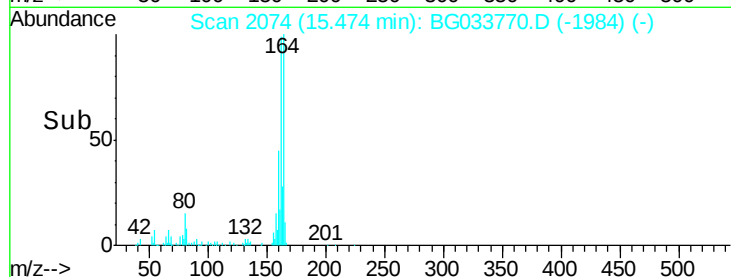
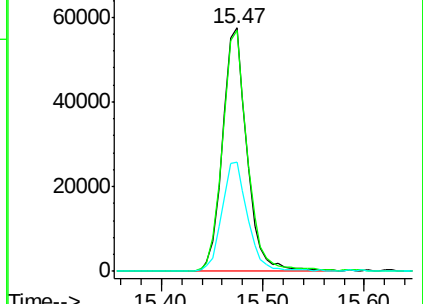
160 44.9 35.4 53.0



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: 85.136 ng

RT: 16.94 min Scan# 2324

Delta R.T. -0.00 min

Lab File: BG033770.D

Acq: 12 Apr 2018 7:34

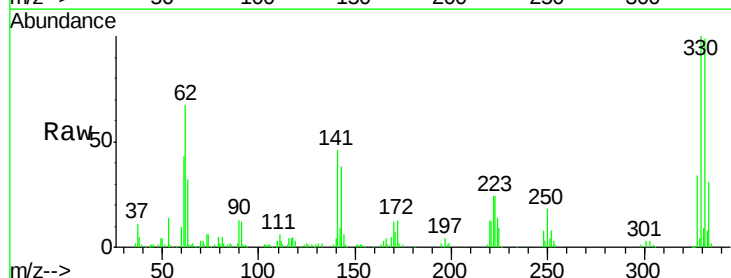
Tgt Ion:330 Resp: 121933

Ion Ratio Lower Upper

330 100

332 99.0 77.0 115.6

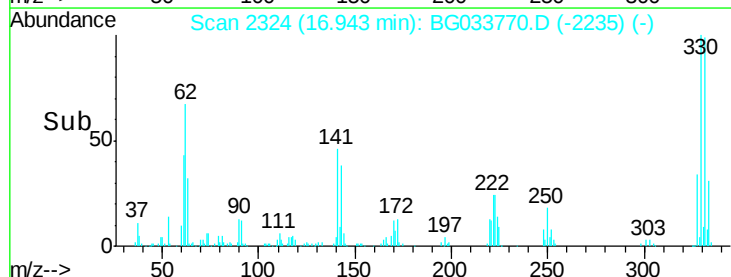
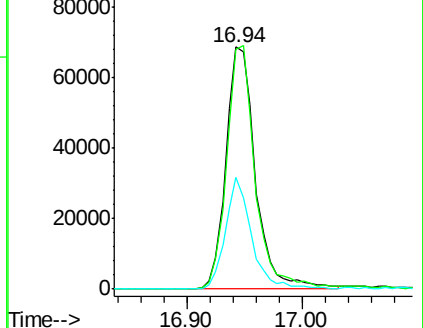
141 40.8 25.2 37.8#

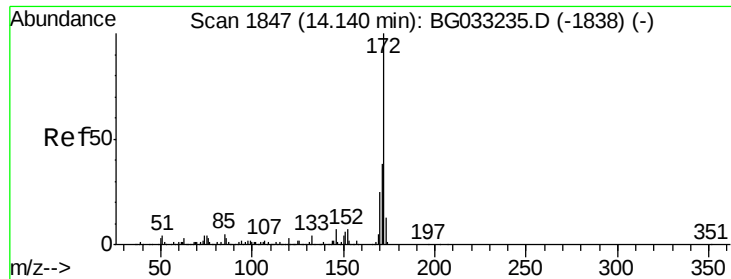


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

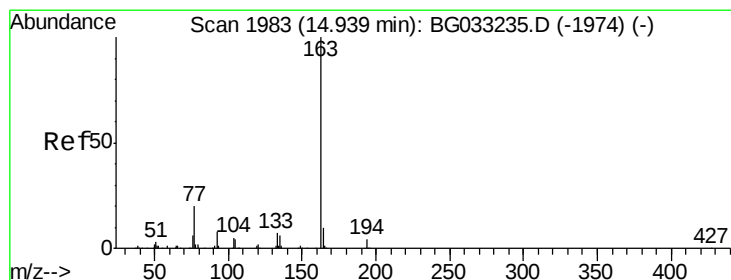
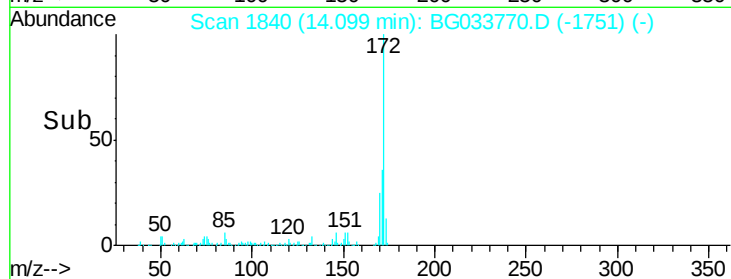
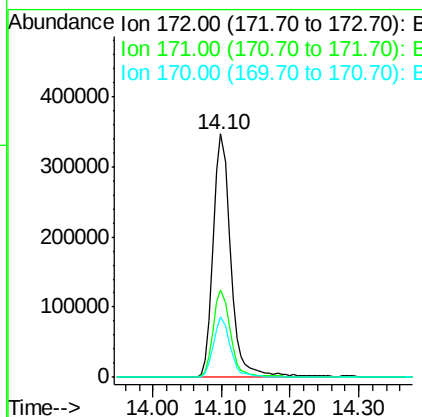
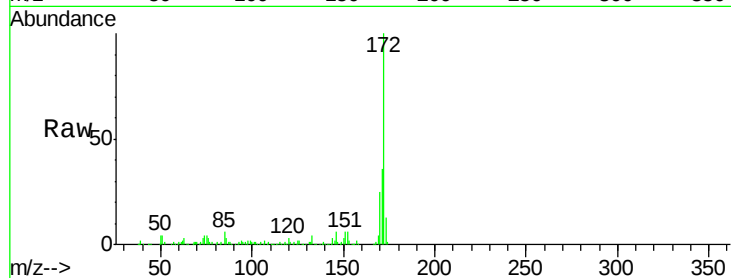




#44
2-Fluorobiphenyl
Concen: 93.372 ng
RT: 14.10 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BG033770.D
Acq: 12 Apr 2018 7:34

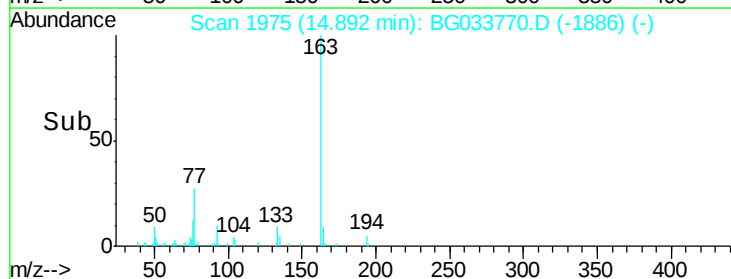
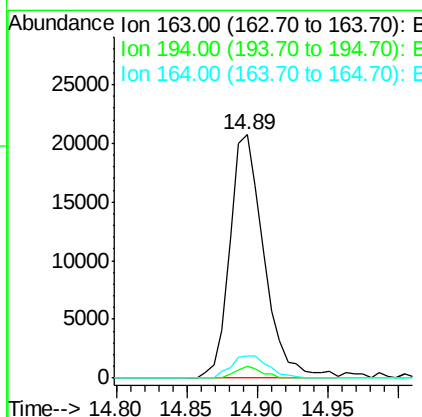
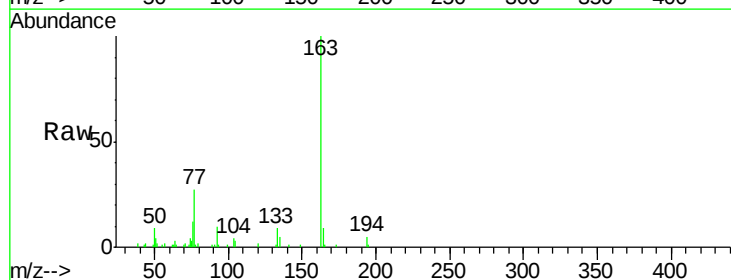
Instrument :
BNA_G
ClientSampleId :

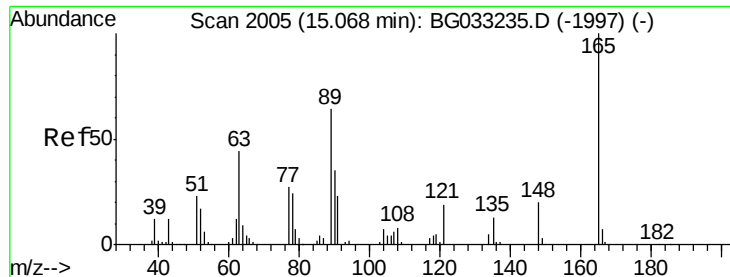
Tot Ion:172 Resp: 619370
Ion Ratio Lower Upper
172 100
171 35.7 30.0 45.0
170 24.8 19.5 29.3



#49
Dimethylphthalate
Concen: 4.184 ng
RT: 14.89 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG033770.D
Acq: 12 Apr 2018 7:34

Tgt Ion:163 Resp: 34866
Ion Ratio Lower Upper
163 100
194 4.9 3.4 5.2
164 9.1 8.2 12.4

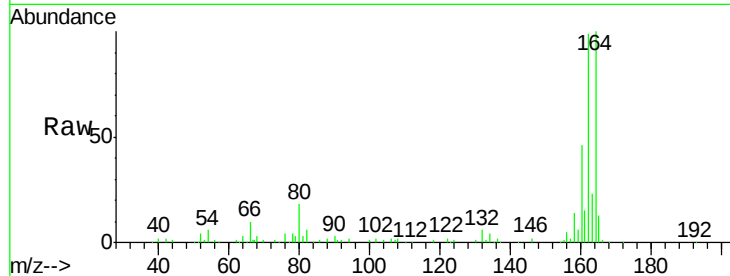




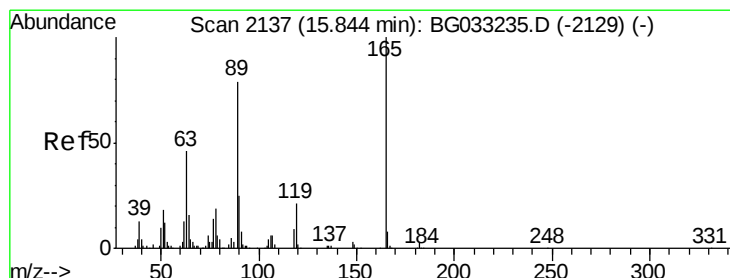
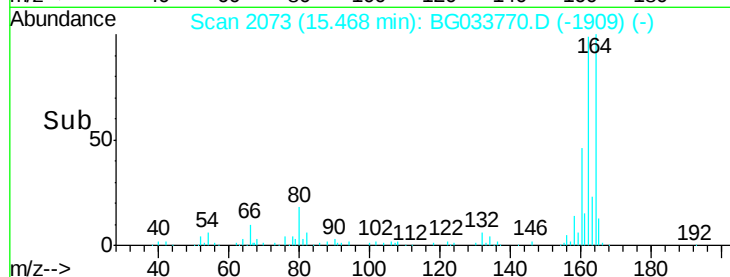
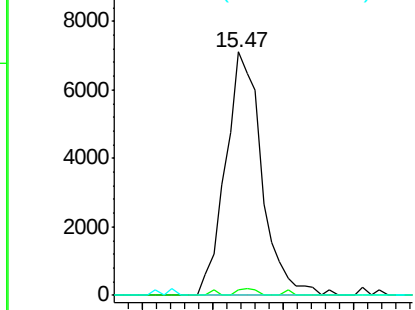
#50
 2,6-Dinitrotoluene
 Concen: 7.454 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. 0.44 min
 Lab File: BG033770.D
 Acq: 12 Apr 2018 7:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 12702
 Ion Ratio Lower Upper
 165 100
 63 2.3 52.7 79.1#
 89 0.0 49.2 73.8#

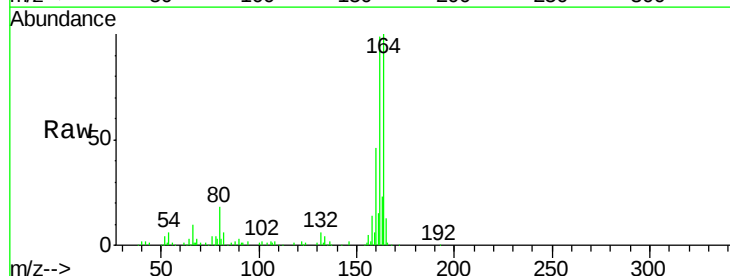


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

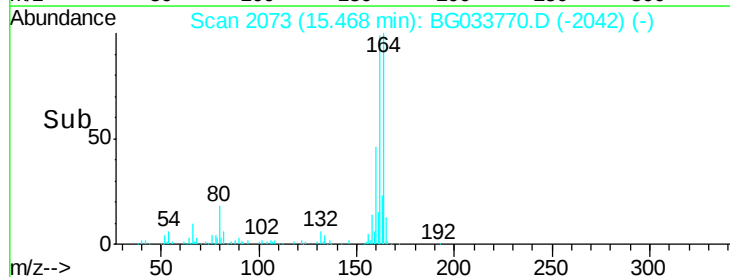
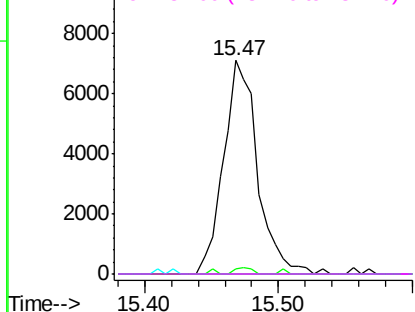


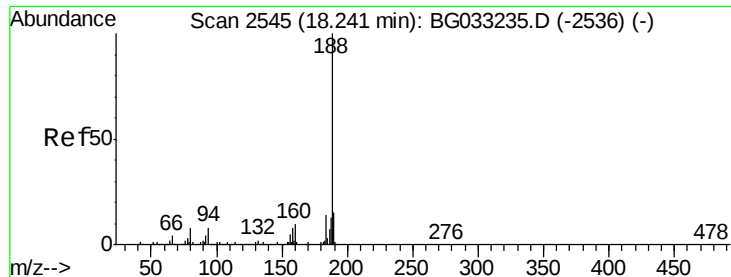
#56
 2,4-Dinitrotoluene
 Concen: 5.062 ng
 RT: 15.47 min Scan# 2073
 Delta R.T. -0.35 min
 Lab File: BG033770.D
 Acq: 12 Apr 2018 7:34

Tgt Ion:165 Resp: 12700
 Ion Ratio Lower Upper
 165 100
 63 2.3 42.0 63.0#
 89 0.0 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

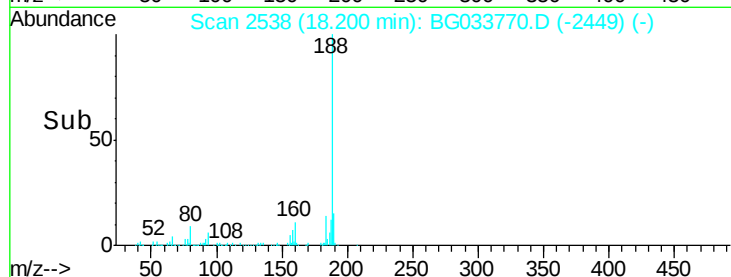
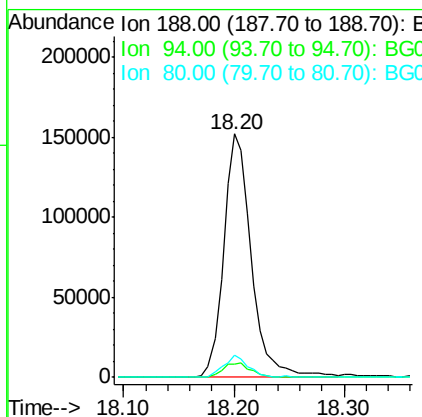
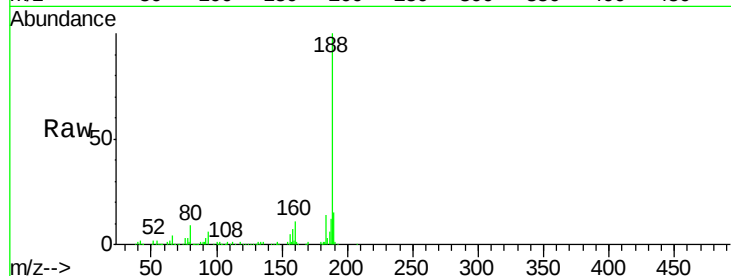




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BG033770.D
Acq: 12 Apr 2018 7:34

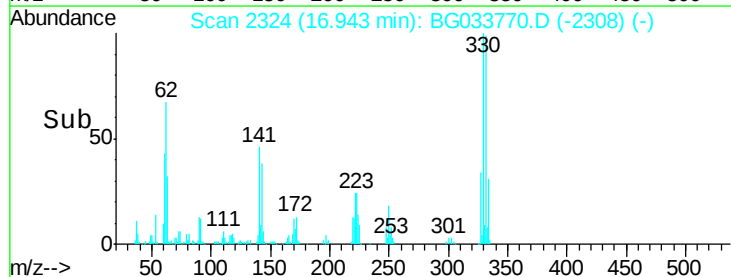
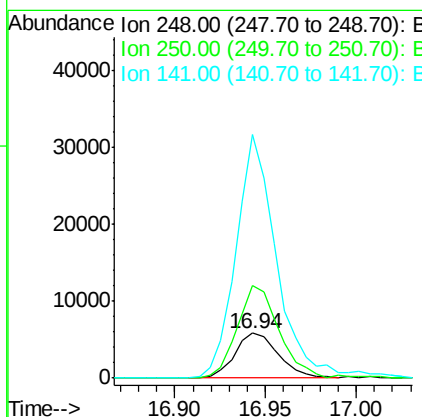
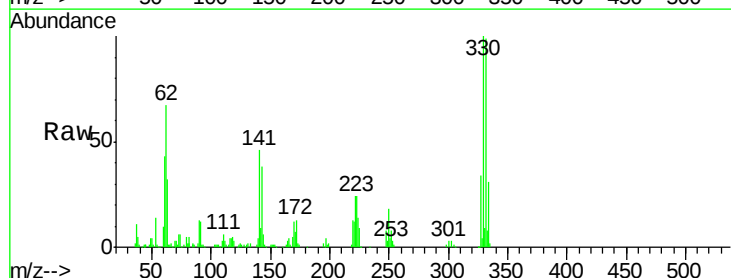
Instrument :
BNA_G
ClientSampleId :

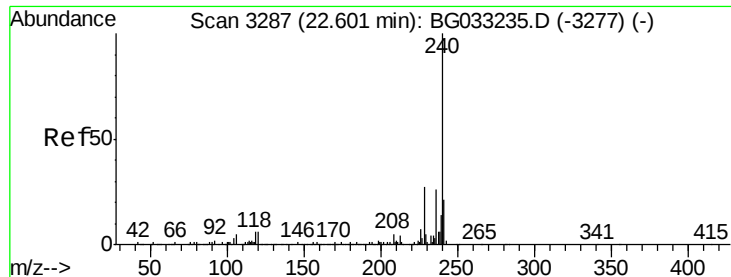
Tot Ion	Ratio	Lower	Upper
188	100		
94	5.7	6.9	10.3#
80	9.1	7.7	11.5



#66
4-Bromophenyl-phenylether
Concen: 3.159 ng
RT: 16.94 min Scan# 2324
Delta R.T. -0.43 min
Lab File: BG033770.D
Acq: 12 Apr 2018 7:34

Tgt Ion	Ratio	Lower	Upper
248	100		
250	207.5	77.1	115.7#
141	545.0	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033770.D

Acq: 12 Apr 2018 7:34

Instrument :

BNA_G

ClientSampleId :

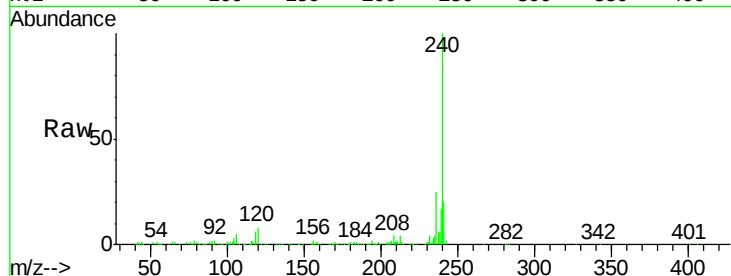
Tot Ion:240 Resp: 283073

Ion Ratio Lower Upper

240 100

120 7.5 6.8 10.2

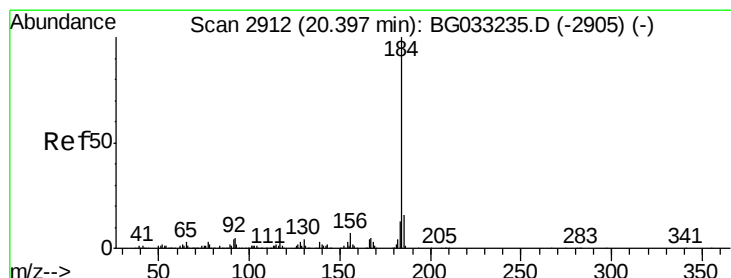
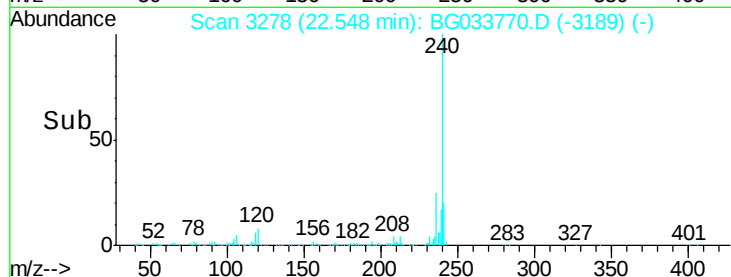
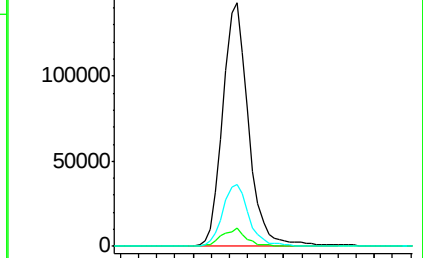
236 25.2 20.9 31.3



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



#76

Benzidine

Concen: 2.782 ng

RT: 20.72 min Scan# 2967

Delta R.T. 0.36 min

Lab File: BG033770.D

Acq: 12 Apr 2018 7:34

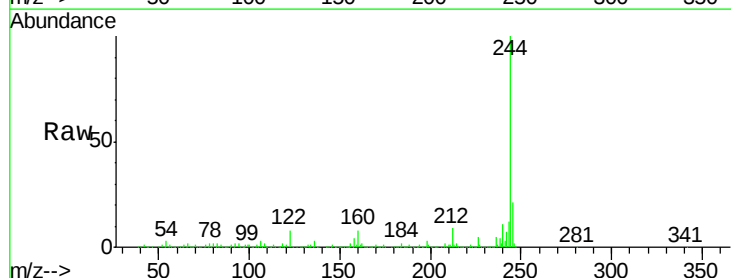
Tgt Ion:184 Resp: 21358

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

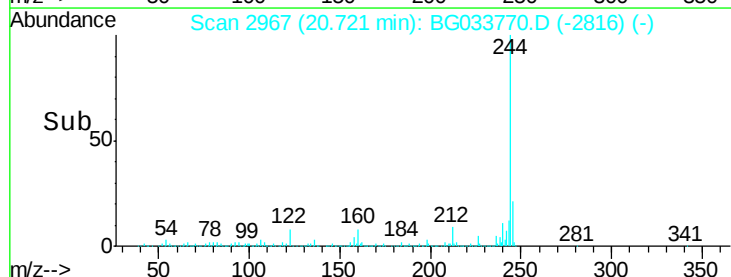
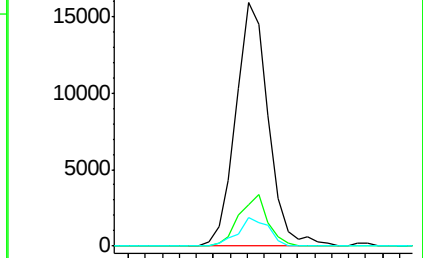
183 11.8 10.6 16.0

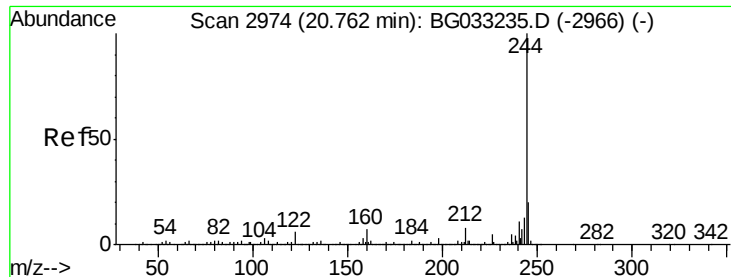


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.751 ng

RT: 20.72 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BG033770.D

Acq: 12 Apr 2018 7:34

Instrument :

BNA_G

ClientSampled :

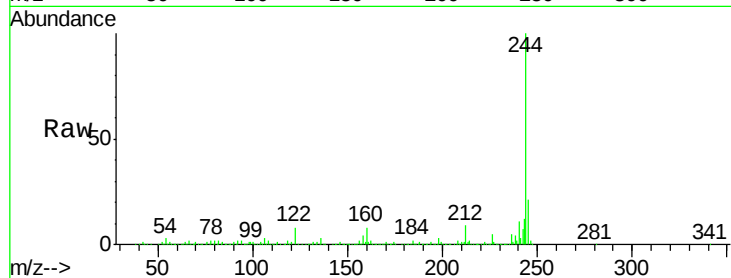
Tot Ion:244 Resp: 1240924

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

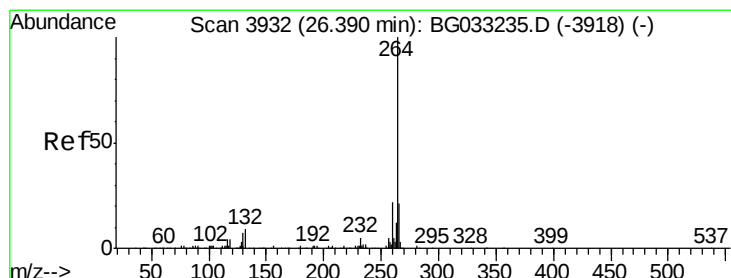
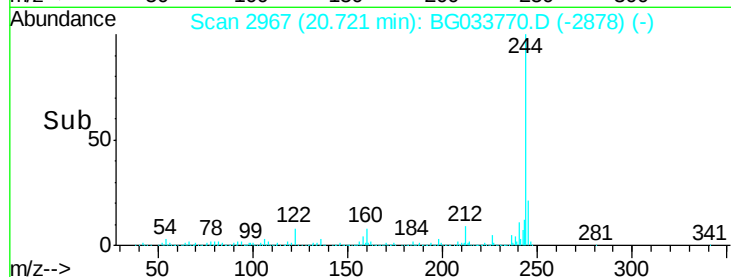
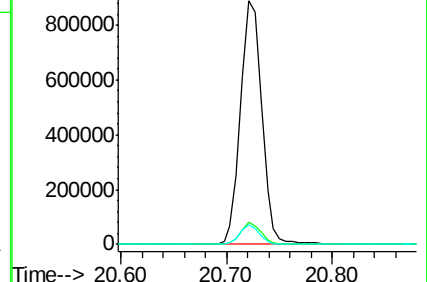
122 7.8 7.0 10.4



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: 26.30 min Scan# 3917

Delta R.T. -0.00 min

Lab File: BG033770.D

Acq: 12 Apr 2018 7:34

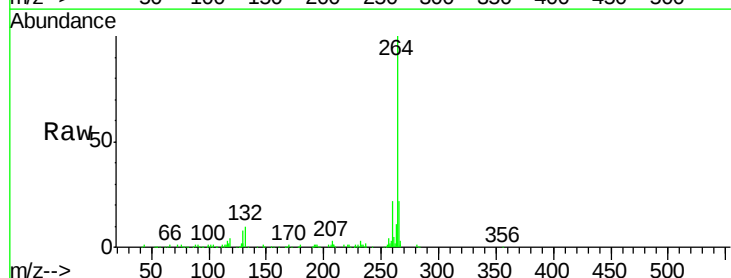
Tgt Ion:264 Resp: 303785

Ion Ratio Lower Upper

264 100

260 21.6 17.4 26.0

265 21.7 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

