

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033040.D
 Acq On : 8 Mar 2018 14:43
 Operator : SJ/JU
 Sample : J1821-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 08 16:30:01 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

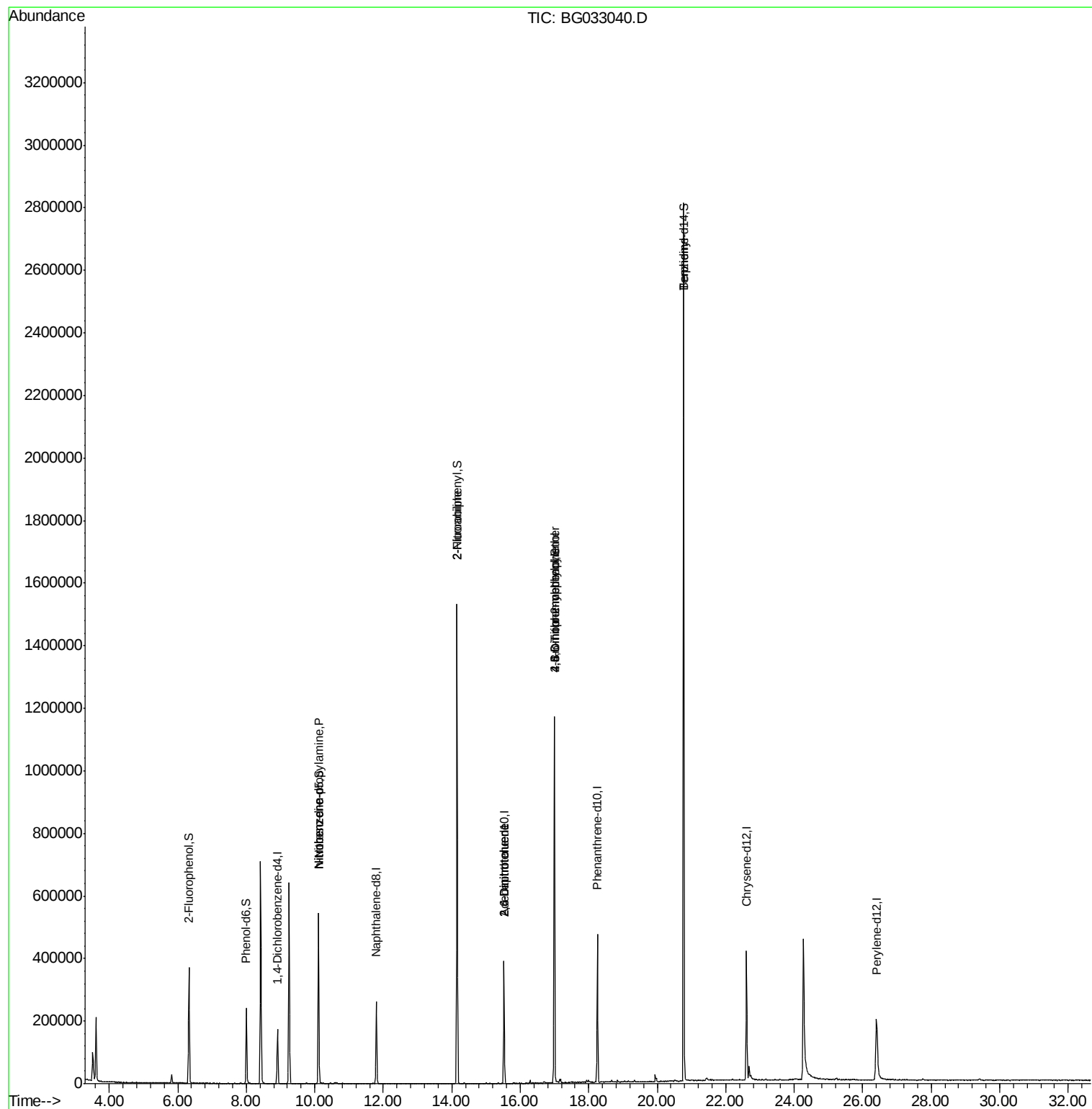
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	52093	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	232522	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	132566	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	293405	20.00	ng	0.00
75) Chrysene-d12	22.61	240	271045	20.00	ng	0.00
86) Perylene-d12	26.40	264	274698	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	171391	52.64	ng	0.00
7) Phenol-d6	8.00	99	146467	32.27	ng	0.00
23) Nitrobenzene-d5	10.11	82	348700	101.84	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	218677	156.88	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	790772	86.03	ng	0.00
78) Terphenyl-d14	20.77	244	1261297	104.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	46139	14.400	ng	# 81
24) Nitrobenzene	10.11	77	1068	6.630	ng	# 42
47) 2-Nitroaniline	14.15	65	1417	10.352	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	16919	16.296	ng	# 19
56) 2,4-Dinitrotoluene	15.52	165	16919	14.493	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.99	198	701	5.962	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	15888	5.121	ng	# 1
76) Benzidine	20.77	184	21947	2.375	ng	# 93

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

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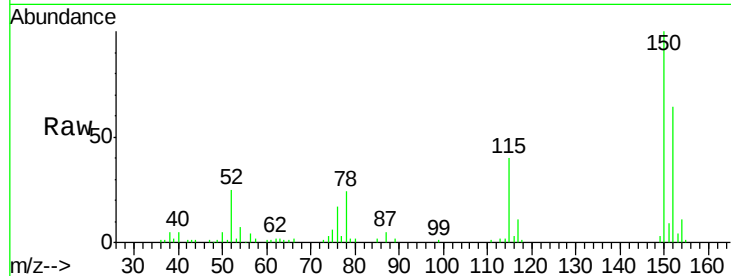


#1

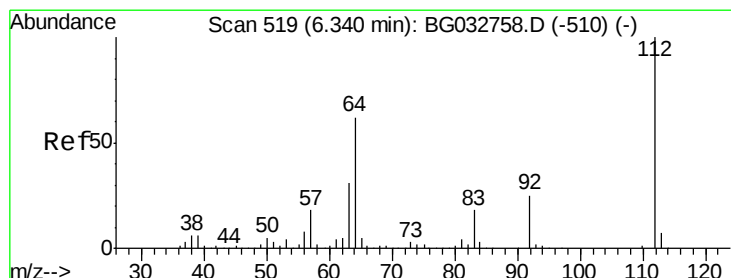
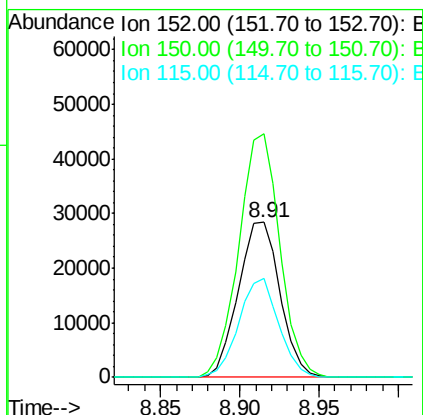
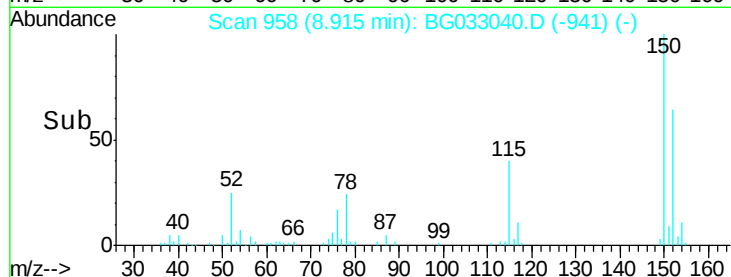
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 958
Delta R.T. 0.00 min
Lab File: BG033040.D
Acq: 8 Mar 2018 14:43

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 52093
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 63.6 53.0 79.4



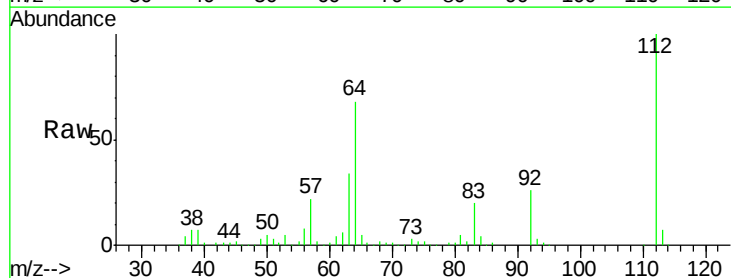
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



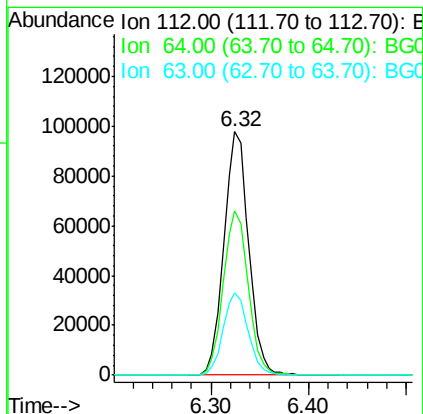
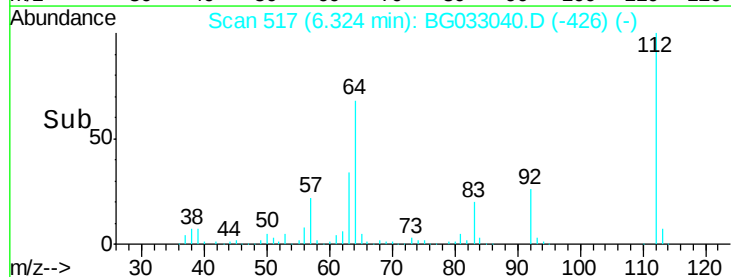
#5

2-Fluorophenol
Concen: 52.637 ng
RT: 6.32 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033040.D
Acq: 8 Mar 2018 14:43

Tgt Ion:112 Resp: 171391
Ion Ratio Lower Upper
112 100
64 67.7 56.3 84.5
63 33.6 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: 32.272 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033040.D

Acq: 8 Mar 2018 14:43

Instrument :

BNA_G

ClientSampled :

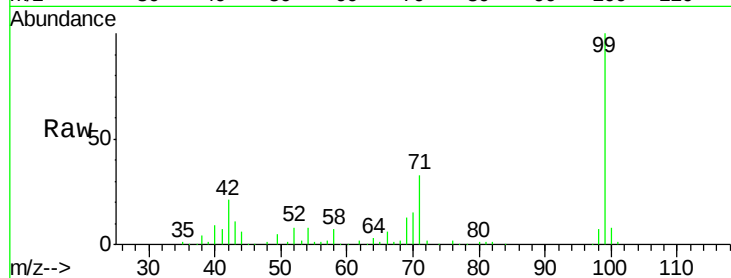
Tot Ion: 99 Resp: 146467

Ion Ratio Lower Upper

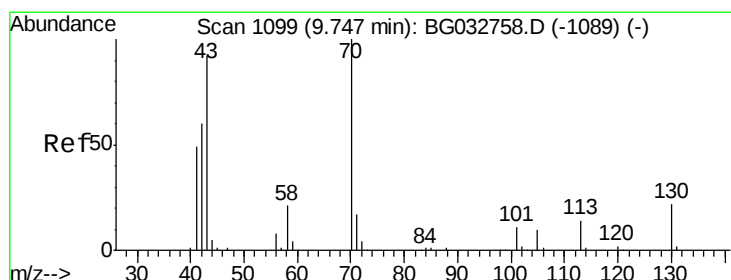
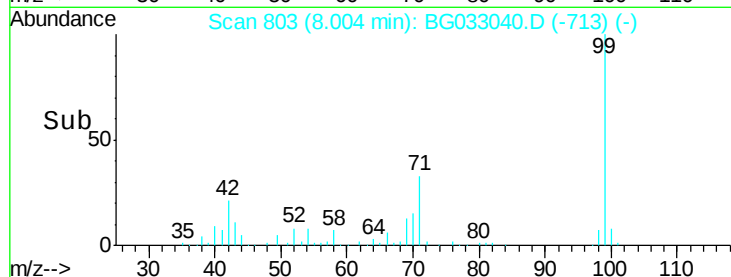
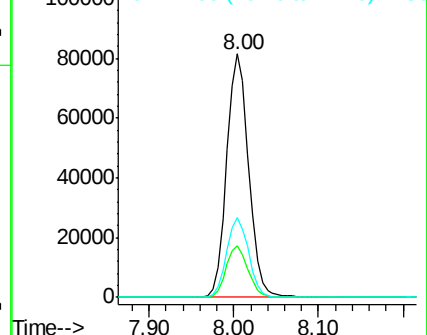
99 100

42 21.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.400 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033040.D

Acq: 8 Mar 2018 14:43

Tgt Ion: 70 Resp: 46139

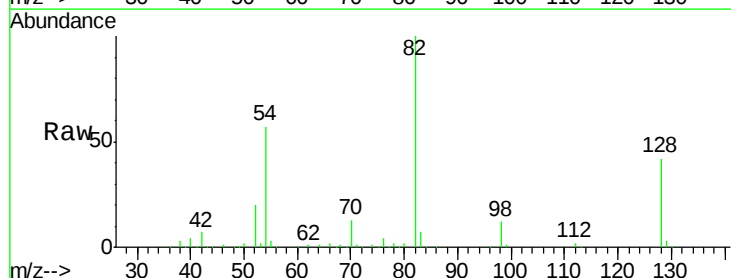
Ion Ratio Lower Upper

70 100

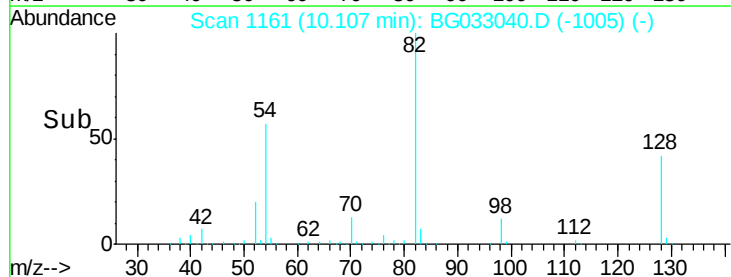
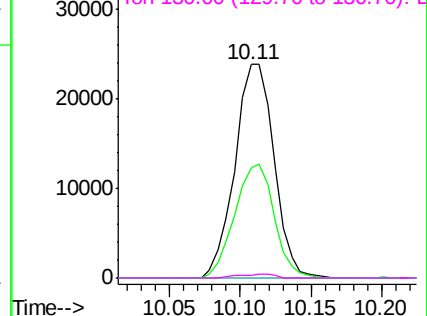
42 51.5 49.1 73.7

101 0.0 8.5 12.7#

130 1.4 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

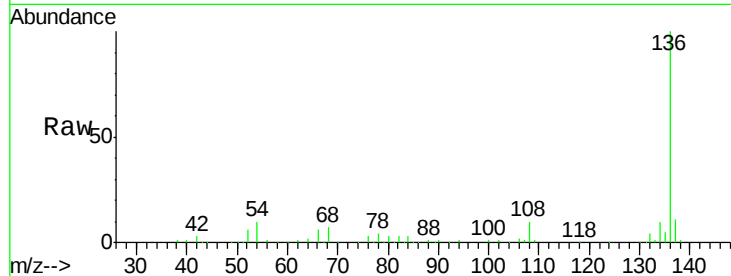




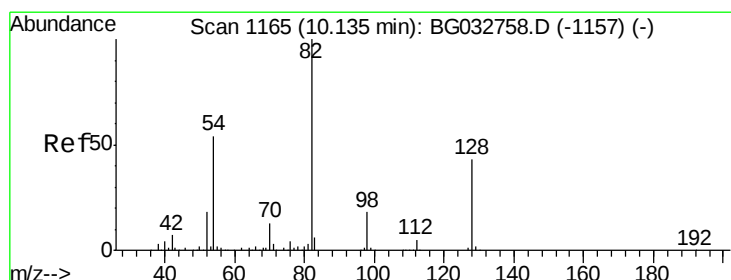
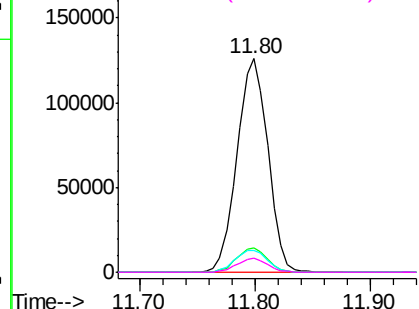
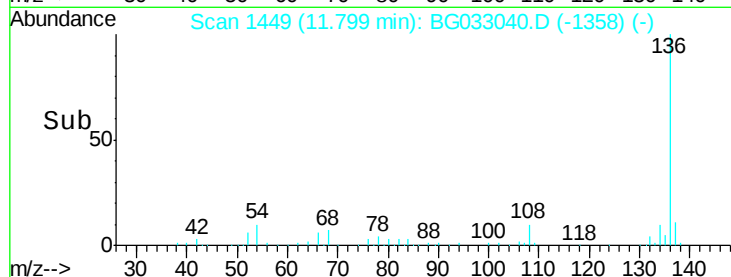
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BG033040.D
Acq: 8 Mar 2018 14:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 232522
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 10.1 10.3 15.5#
68 6.8 4.5 6.7#

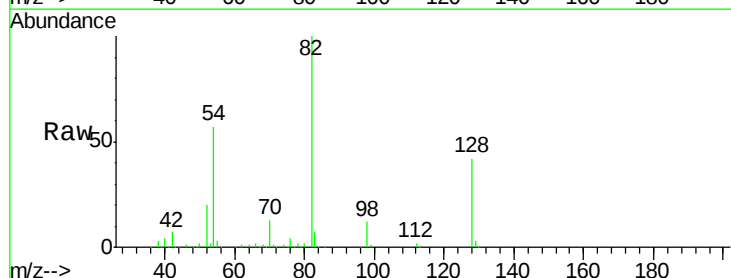


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

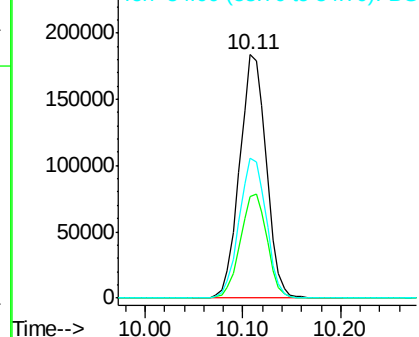
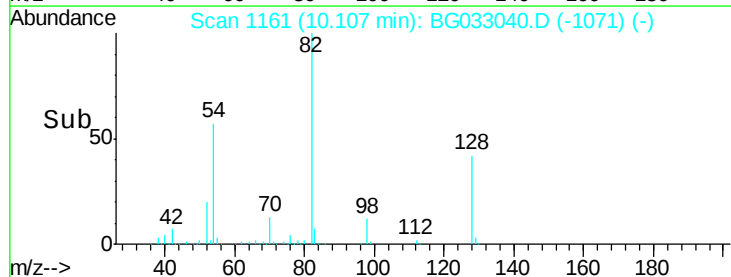


#23
Nitrobenzene-d5
Concen: 101.844 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033040.D
Acq: 8 Mar 2018 14:43

Tgt Ion: 82 Resp: 348700
Ion Ratio Lower Upper
82 100
128 41.9 29.7 44.5
54 57.3 43.1 64.7



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





#24

Nitrobenzene

Concen: 6.630 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.05 min

Lab File: BG033040.D

Acq: 8 Mar 2018 14:43

Instrument :

BNA_G

ClientSampled :

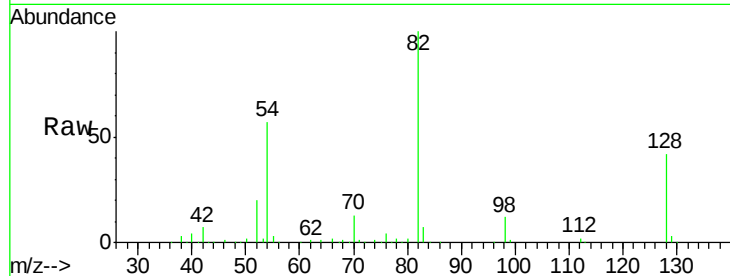
Tot Ion: 77 Resp: 1068

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

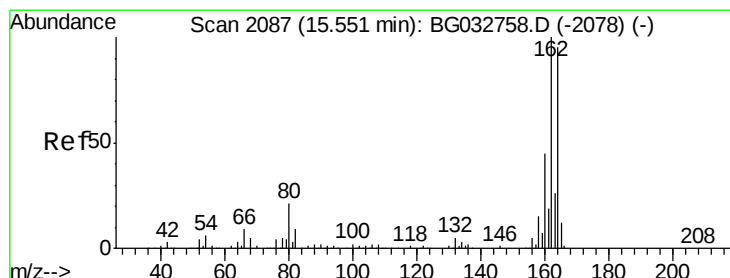
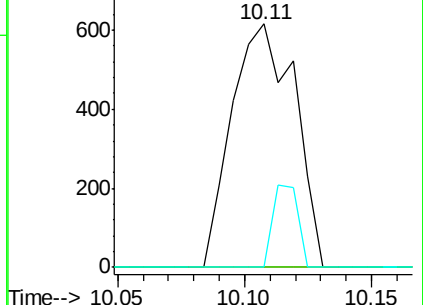
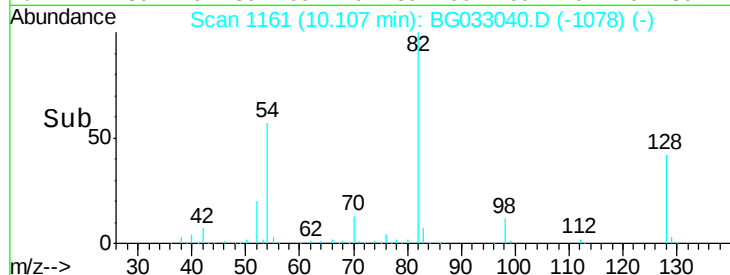
65 0.0 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BG033040.D (-1078) (-)

Ion 123.00 (122.70 to 123.70): BG033040.D (-1078) (-)

Ion 65.00 (64.70 to 65.70): BG033040.D (-1078) (-)



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033040.D

Acq: 8 Mar 2018 14:43

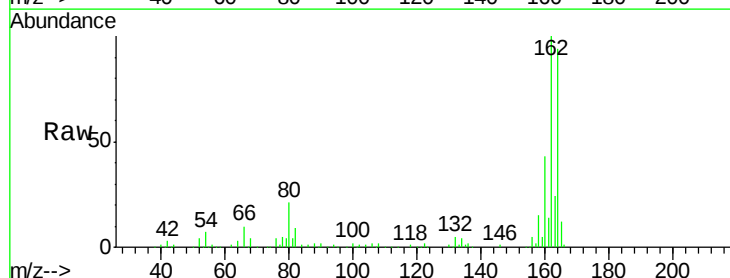
Tgt Ion: 164 Resp: 132566

Ion Ratio Lower Upper

164 100

162 106.2 78.8 118.2

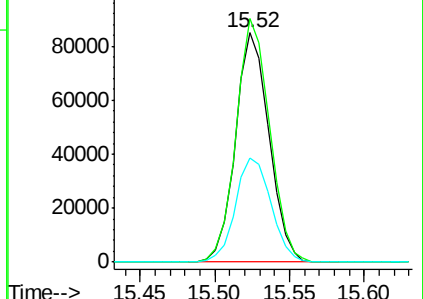
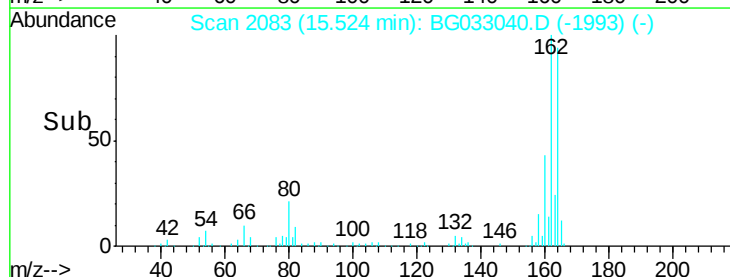
160 45.4 35.4 53.0

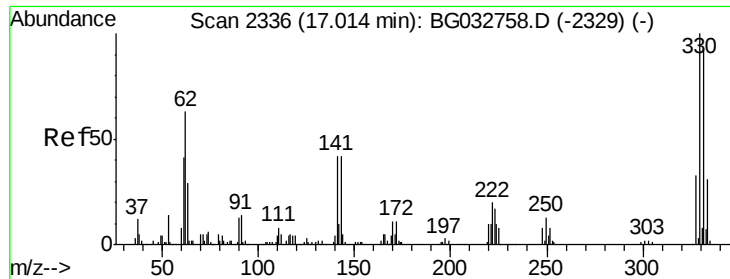


Abundance Ion 164.00 (163.70 to 164.70): BG033040.D (-1993) (-)

Ion 162.00 (161.70 to 162.70): BG033040.D (-1993) (-)

Ion 160.00 (159.70 to 160.70): BG033040.D (-1993) (-)

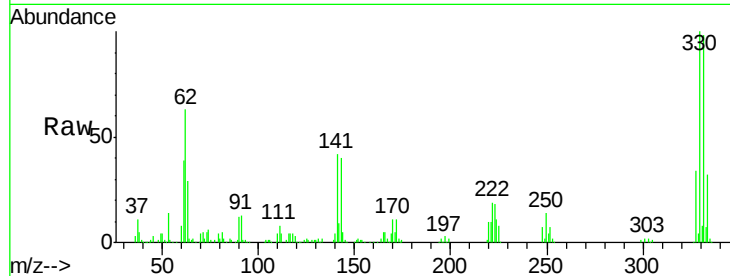




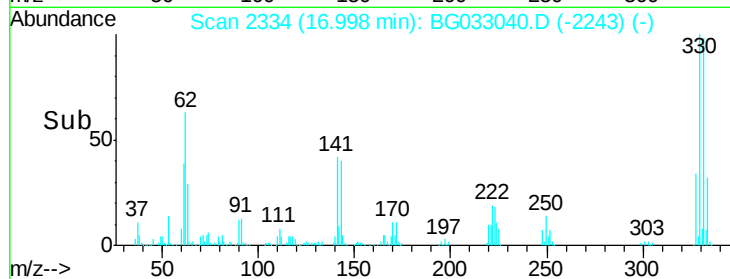
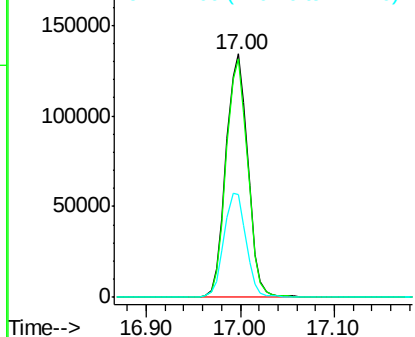
#41
 2,4,6-Tribromophenol
 Concen: 156.883 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: BG033040.D
 Acq: 8 Mar 2018 14:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 218677
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 43.0 25.2 37.8#

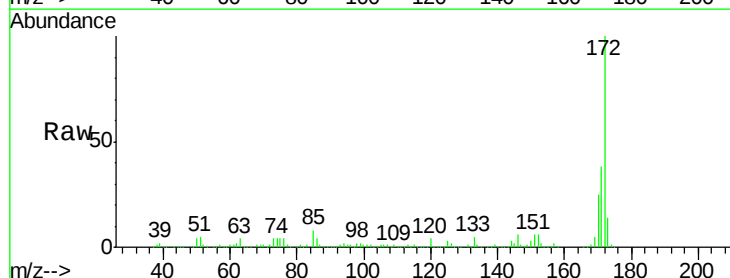


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

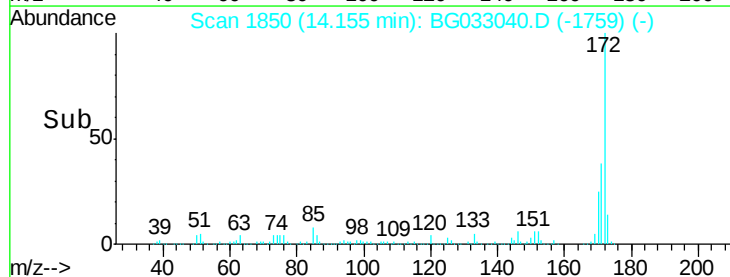
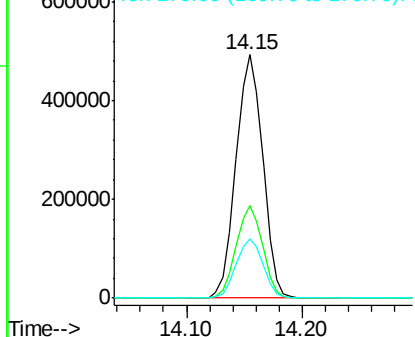


#44
 2-Fluorobiphenyl
 Concen: 86.032 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033040.D
 Acq: 8 Mar 2018 14:43

Tgt Ion:172 Resp: 790772
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 24.6 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

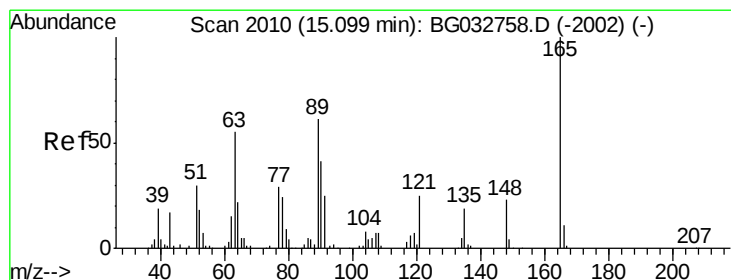
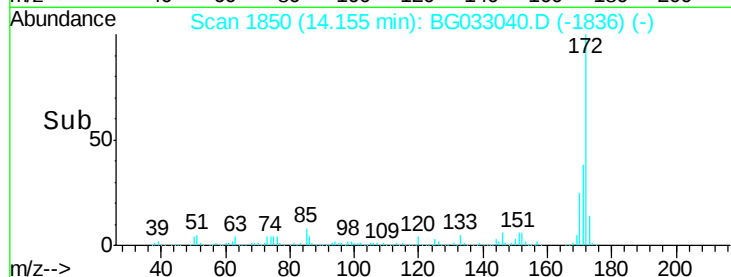
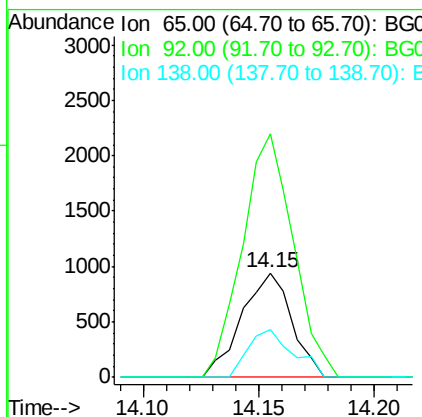
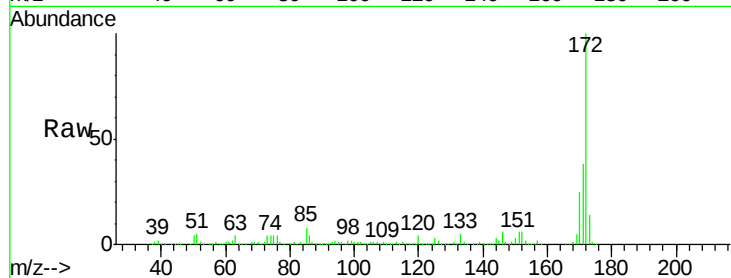




#47
2-Nitroaniline
Concen: 10.352 ng
RT: 14.15 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG033040.D
Acq: 8 Mar 2018 14:43

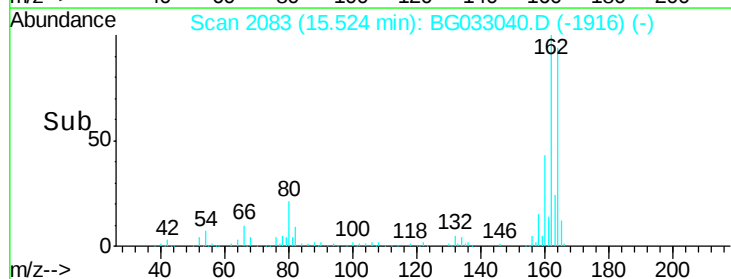
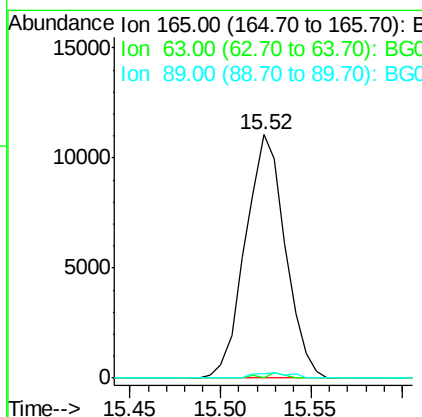
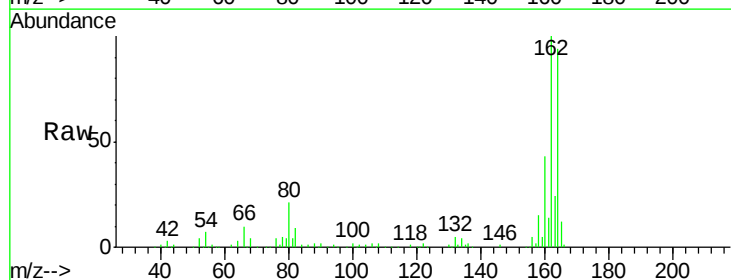
Instrument :
BNA_G
ClientSampled :

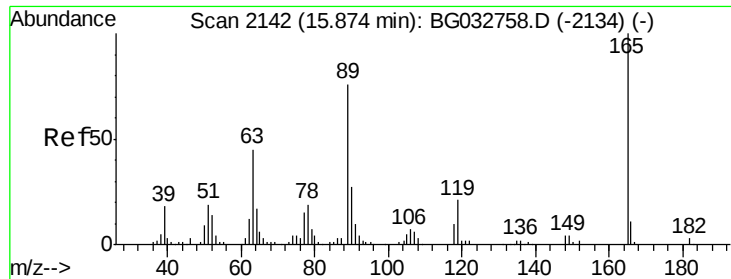
Tot Ion: 65 Resp: 1417
Ion Ratio Lower Upper
65 100
92 232.7 54.6 82.0#
138 46.0 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.296 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.45 min
Lab File: BG033040.D
Acq: 8 Mar 2018 14:43

Tgt Ion:165 Resp: 16919
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.7 49.2 73.8#

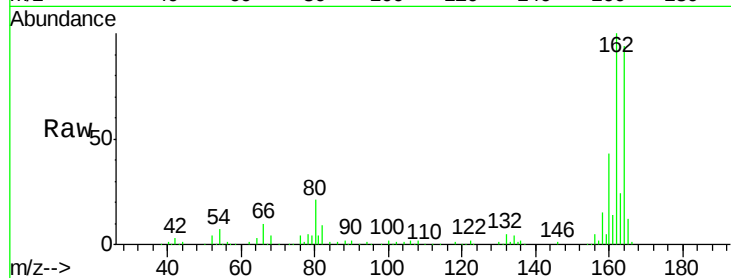




#56
2,4-Dinitrotoluene
Concen: 14.493 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033040.D
Acq: 8 Mar 2018 14:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165	Resp:	16919
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.0 63.0#
89	1.7	66.9 100.3#
182	0.0	2.6 3.8#

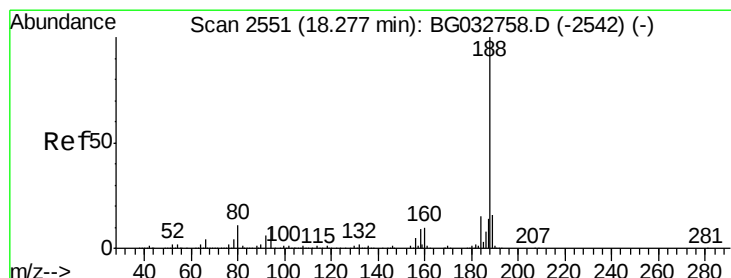
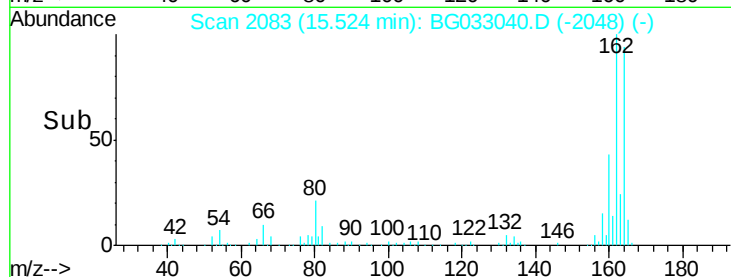
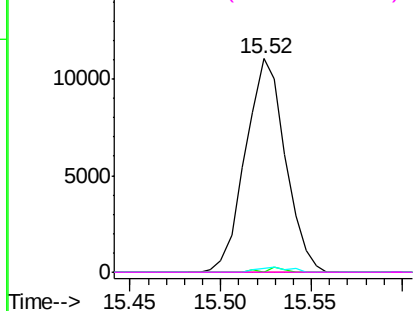


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

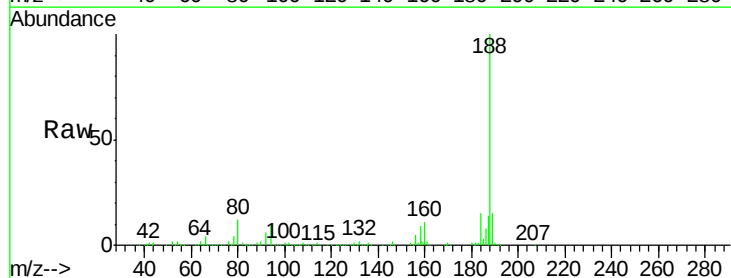
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. 0.00 min
Lab File: BG033040.D
Acq: 8 Mar 2018 14:43

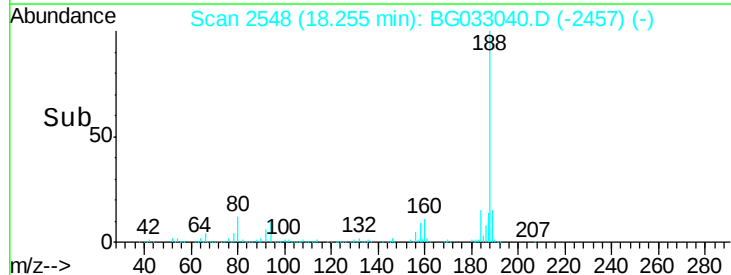
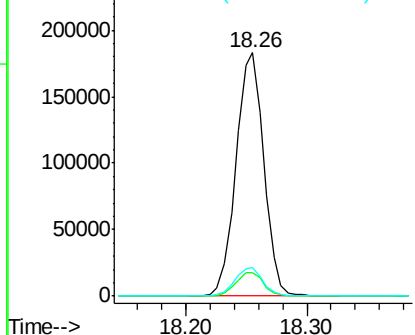
Tgt Ion:188	Resp:	293405
Ion Ratio	Lower	Upper
188	100	
94	9.8	6.9 10.3
80	11.6	7.7 11.5#

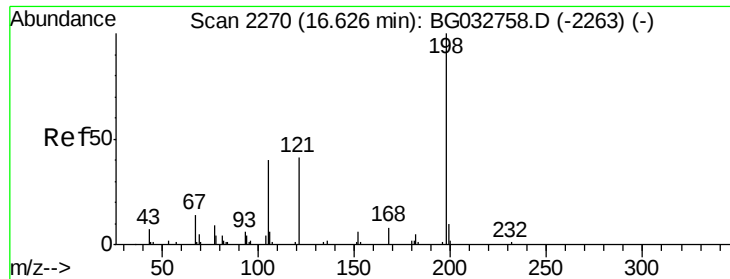


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.962 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG033040.D

Acq: 8 Mar 2018 14:43

Instrument :

BNA_G

ClientSampled :

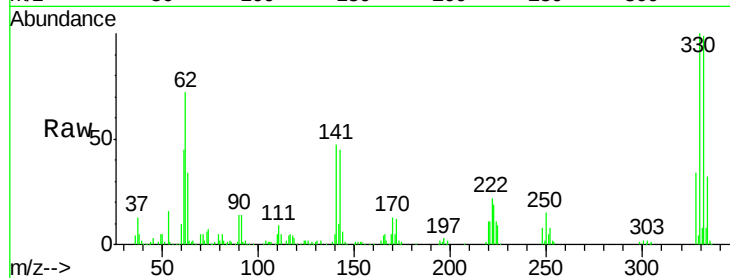
Tot Ion:198 Resp: 701

Ion Ratio Lower Upper

198 100

51 144.5 30.6 70.6#

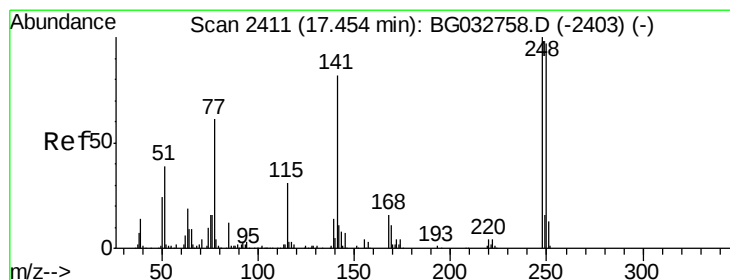
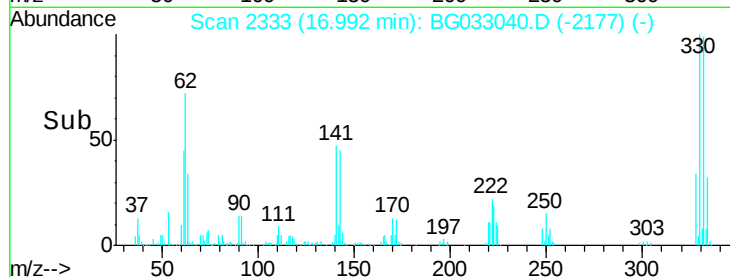
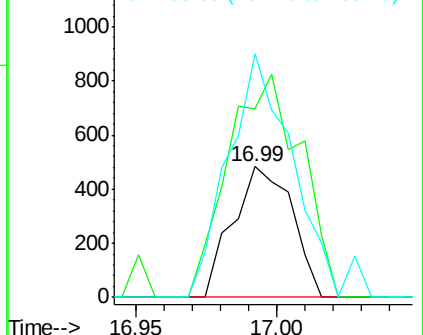
105 186.3 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.121 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG033040.D

Acq: 8 Mar 2018 14:43

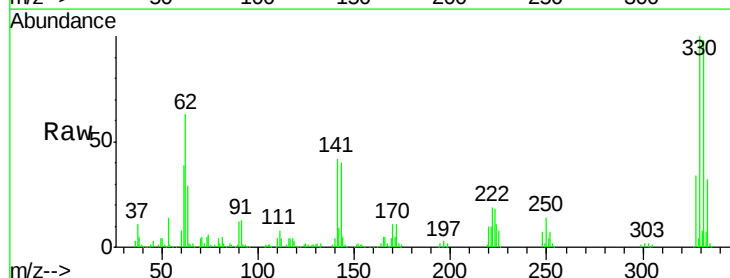
Tgt Ion:248 Resp: 15888

Ion Ratio Lower Upper

248 100

250 189.1 77.1 115.7#

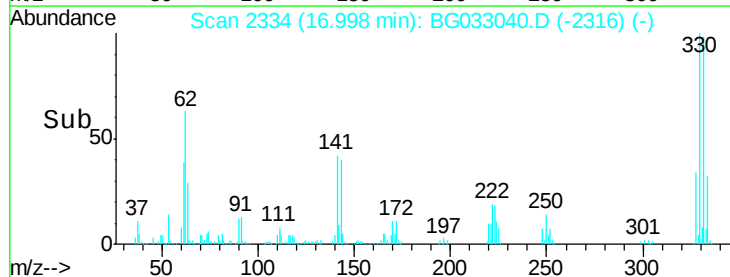
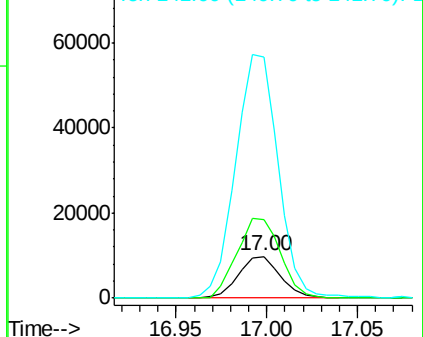
141 576.0 50.8 76.2#

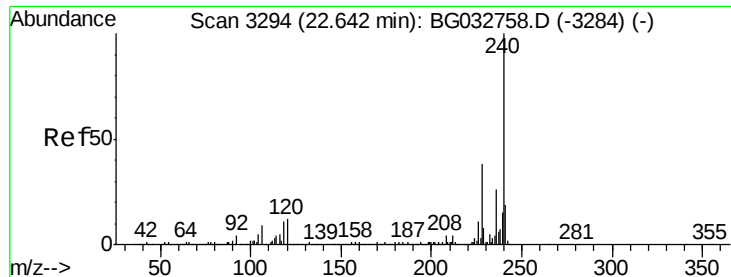


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.61 min Scan# 3289

Delta R.T. -0.00 min

Lab File: BG033040.D

Acq: 8 Mar 2018 14:43

Instrument :

BNA_G

ClientSampleId :

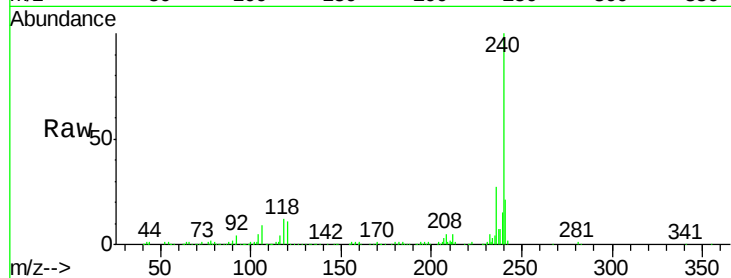
Tot Ion:240 Resp: 271045

Ion Ratio Lower Upper

240 100

120 11.1 6.8 10.2#

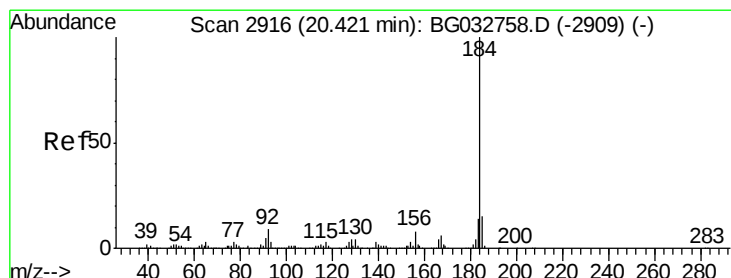
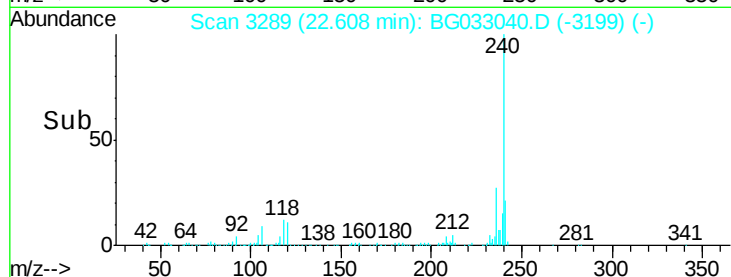
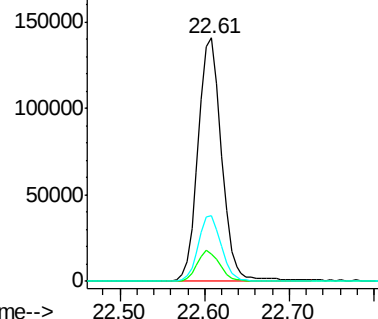
236 27.2 20.9 31.3



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: 2.375 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033040.D

Acq: 8 Mar 2018 14:43

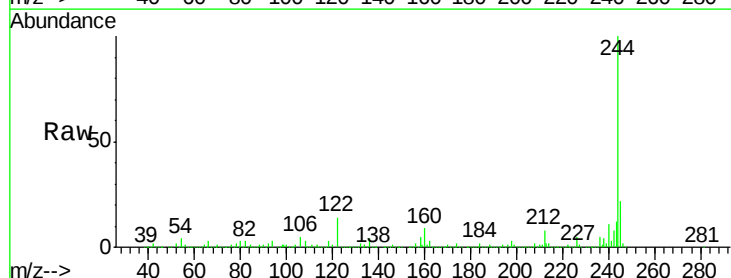
Tgt Ion:184 Resp: 21947

Ion Ratio Lower Upper

184 100

185 14.8 11.1 16.7

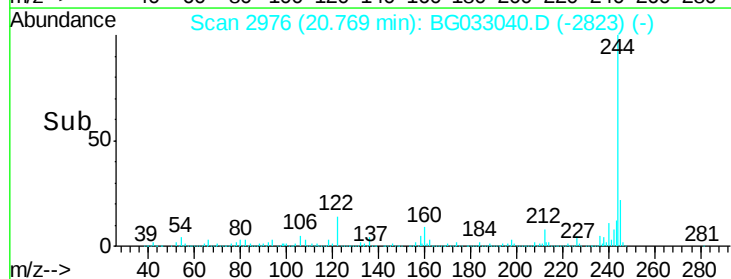
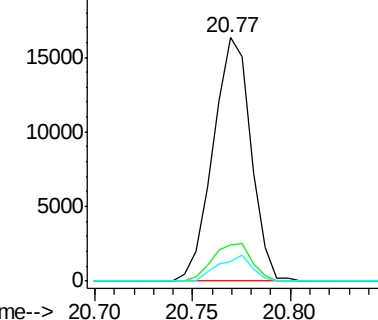
183 8.3 10.6 16.0#

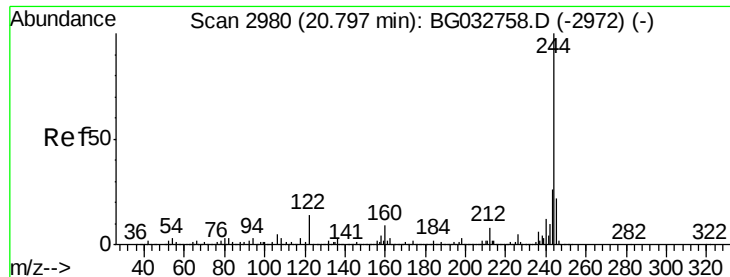


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 104.551 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033040.D

Acq: 8 Mar 2018 14:43

Instrument :

BNA_G

ClientSampleId :

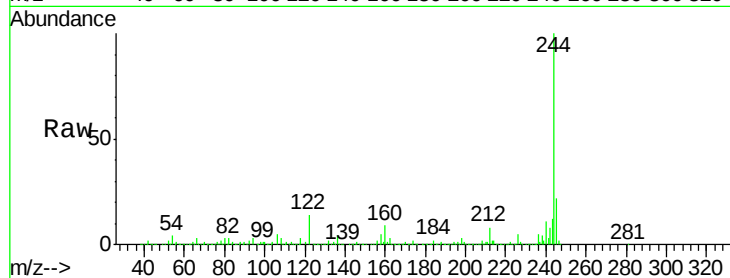
Tot Ion:244 Resp: 1261297

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

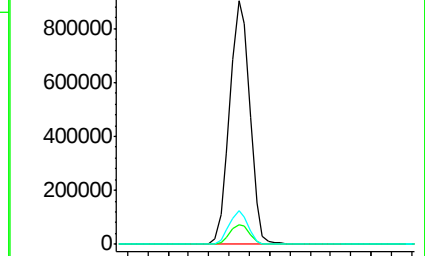
122 13.9 7.0 10.4#



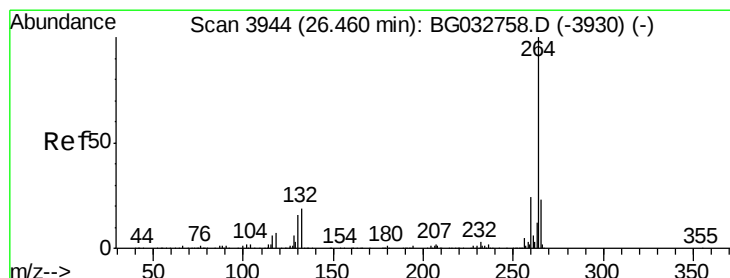
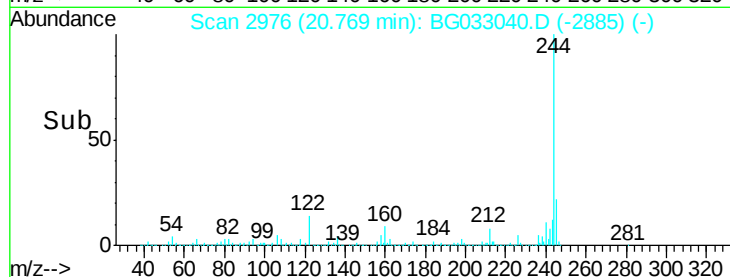
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033040.D

Acq: 8 Mar 2018 14:43

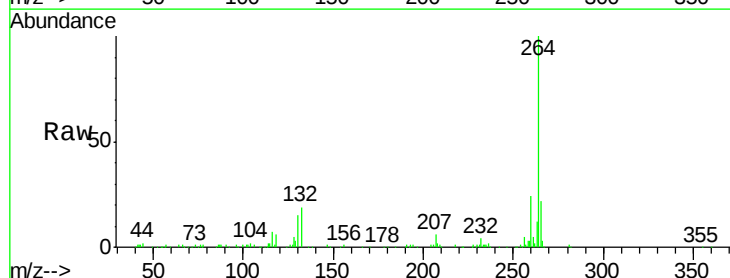
Tgt Ion:264 Resp: 274698

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

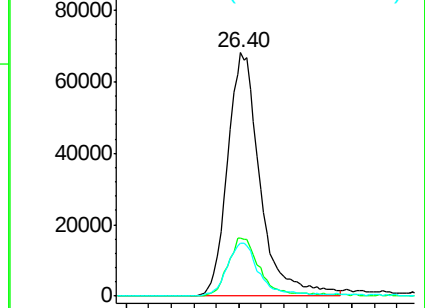
265 21.6 17.7 26.5



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



Time-->

