

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033039.D
 Acq On : 8 Mar 2018 14:05
 Operator : SJ/JU
 Sample : J1819-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 08 16:29:33 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

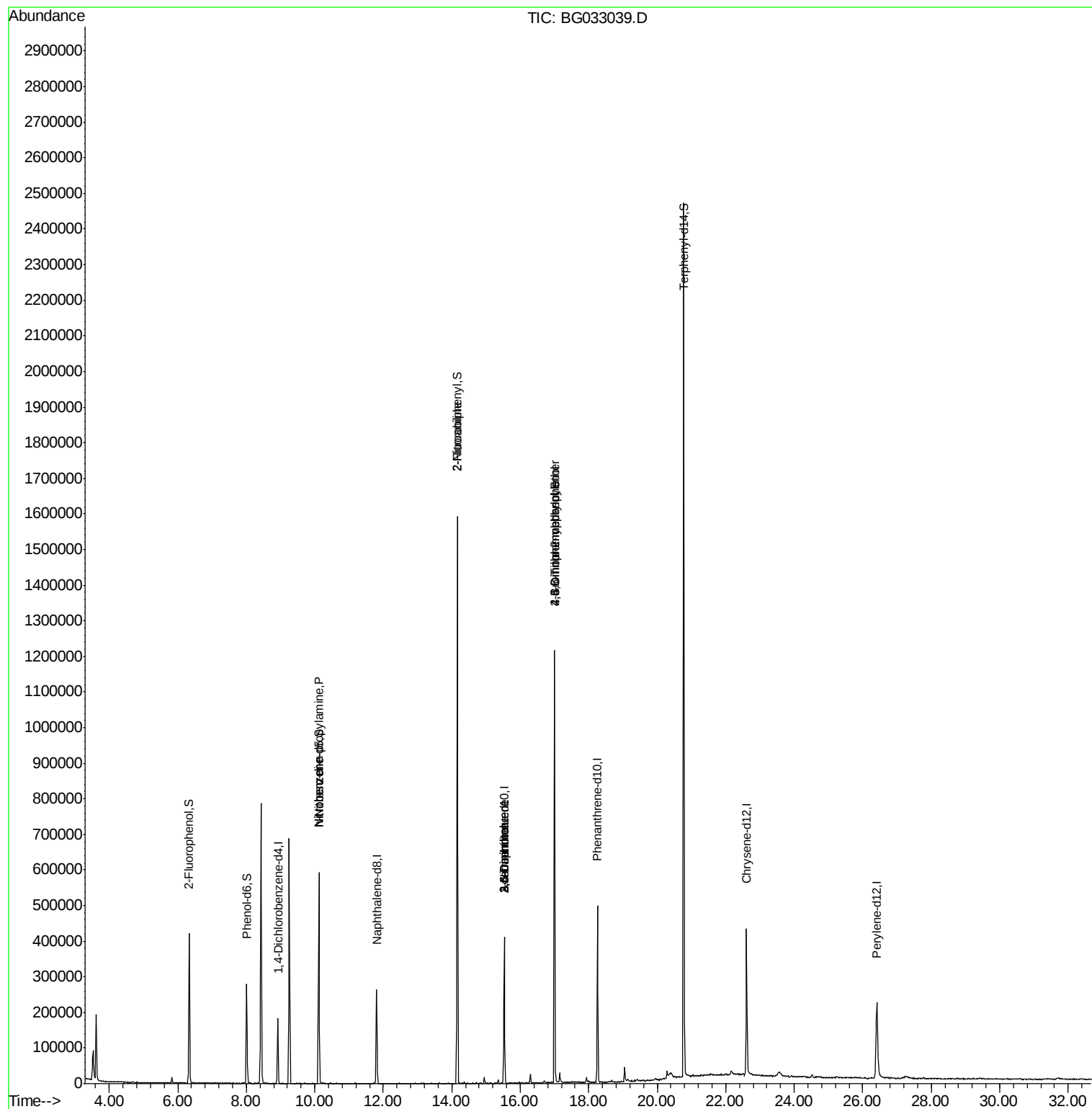
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	53045	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	243142	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	137870	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	296046	20.00	ng	0.00
75) Chrysene-d12	22.61	240	271796	20.00	ng	0.00
86) Perylene-d12	26.42	264	271319	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	201677	60.83	ng	0.01
7) Phenol-d6	8.01	99	170673	36.93	ng	0.00
23) Nitrobenzene-d5	10.12	82	377307	105.04	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	218042	150.41	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	818264	85.60	ng	0.00
78) Terphenyl-d14	20.78	244	1191096	98.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	50192	15.384	ng	# 82
24) Nitrobenzene	10.12	77	937	6.590	ng	# 38
47) 2-Nitroaniline	14.17	65	1708	10.434	ng	# 15
50) 2,6-Dinitrotoluene	15.53	165	17862	16.408	ng	# 20
52) 3-Nitroaniline	15.53	138	56	7.563	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	17862	14.606	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	475	5.631	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	15474	4.943	ng	# 1

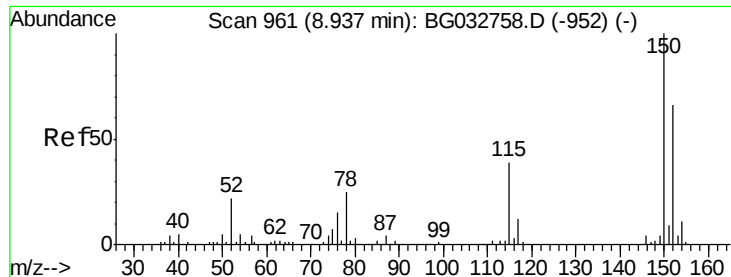
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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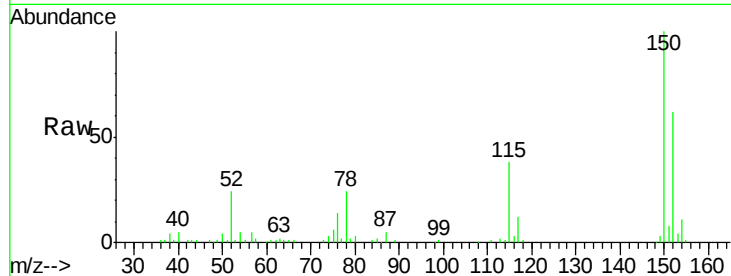


#1

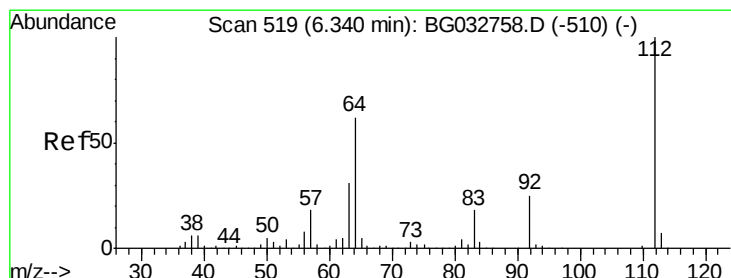
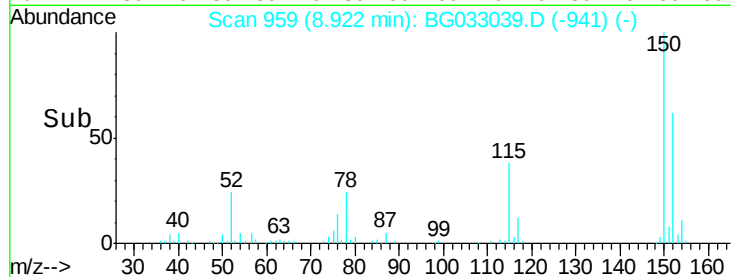
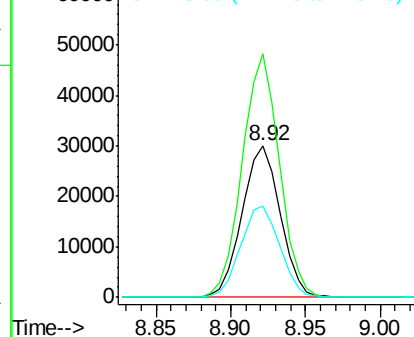
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.01 min
Lab File: BG033039.D
Acq: 8 Mar 2018 14:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53045
Ion Ratio Lower Upper
152 100
150 160.2 126.6 189.8
115 60.1 53.0 79.4



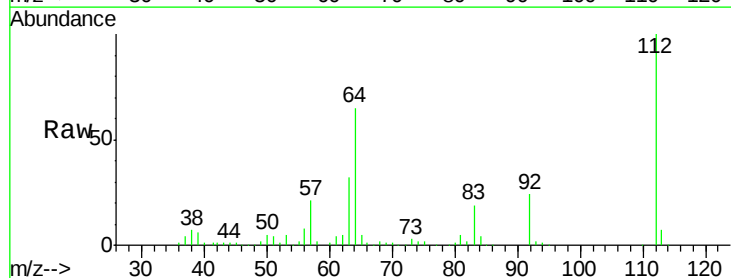
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



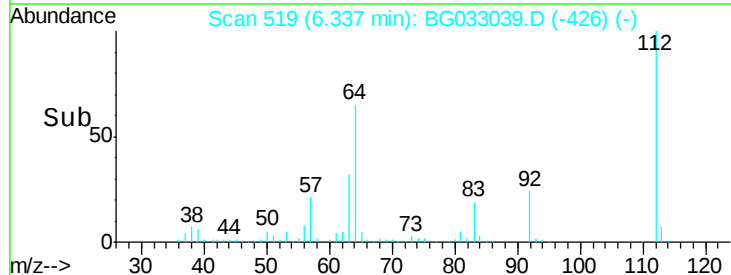
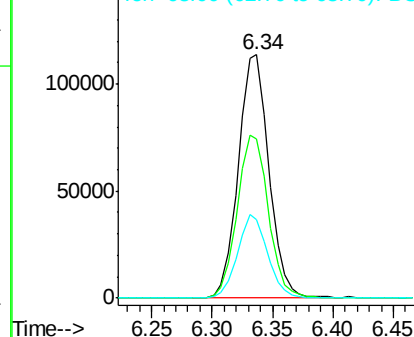
#5

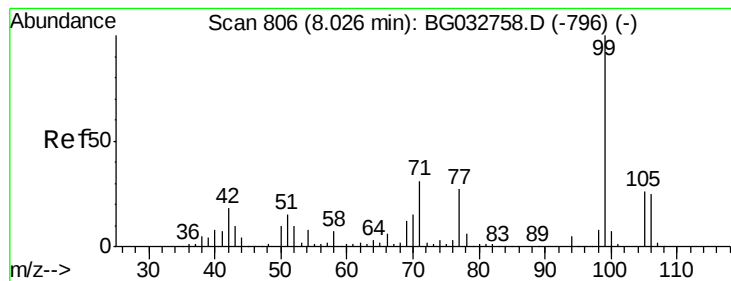
2-Fluorophenol
Concen: 60.826 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG033039.D
Acq: 8 Mar 2018 14:05

Tgt Ion:112 Resp: 201677
Ion Ratio Lower Upper
112 100
64 65.2 56.3 84.5
63 32.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGO
Ion 63.00 (62.70 to 63.70): BGO





#7

Phenol-d6

Concen: 36.930 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.00 min

Lab File: BG033039.D

Acq: 8 Mar 2018 14:05

Instrument :

BNA_G

ClientSampleId :

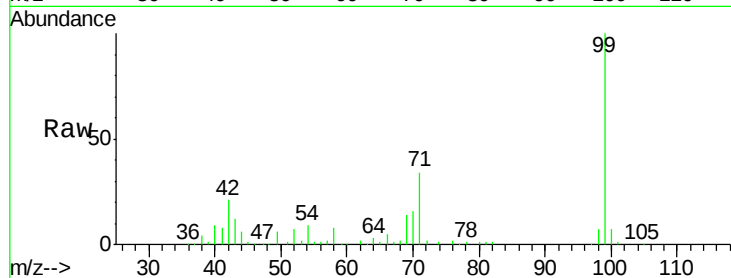
Tot Ion: 99 Resp: 170673

Ion Ratio Lower Upper

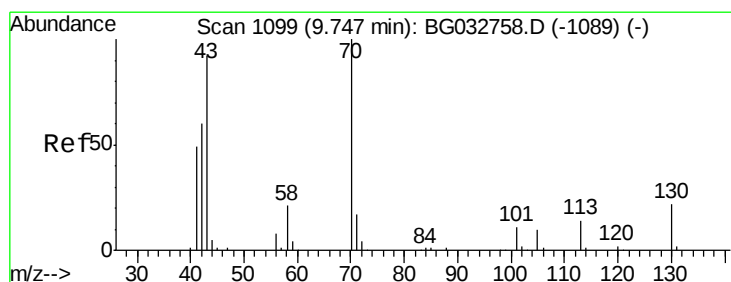
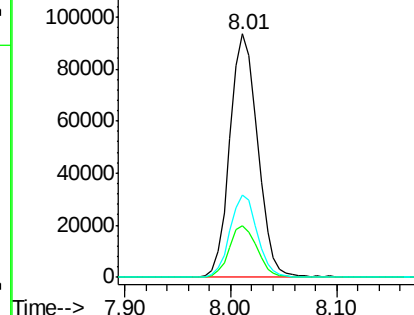
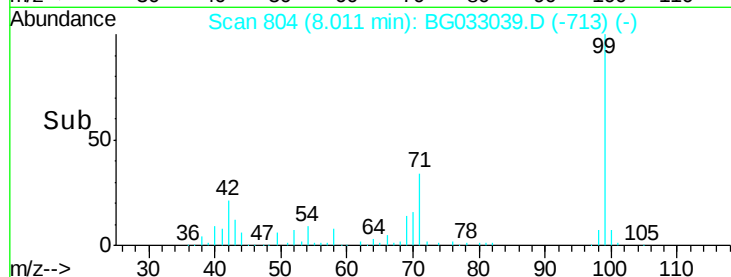
99 100

42 21.3 14.1 21.1#

71 33.8 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: 15.384 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.40 min

Lab File: BG033039.D

Acq: 8 Mar 2018 14:05

Tgt Ion: 70 Resp: 50192

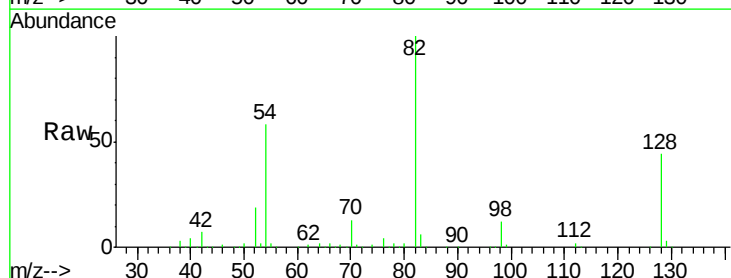
Ion Ratio Lower Upper

70 100

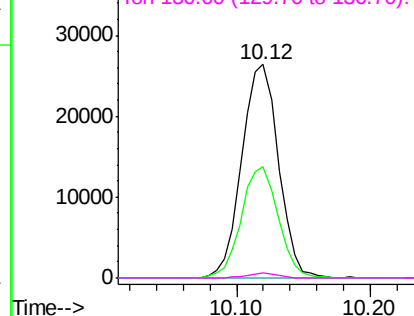
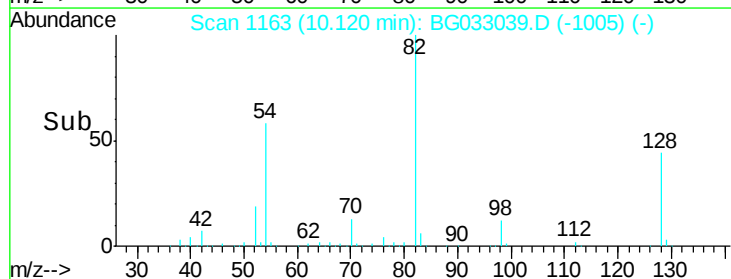
42 52.4 49.1 73.7

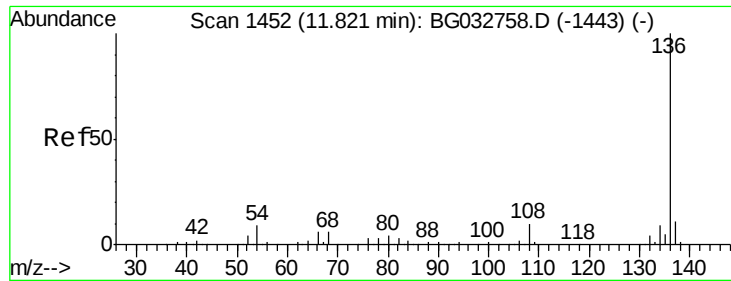
101 0.0 8.5 12.7#

130 2.4 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

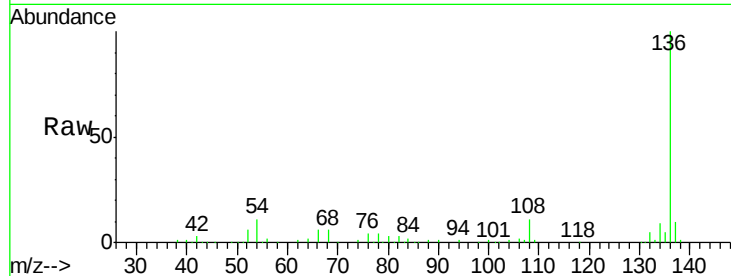




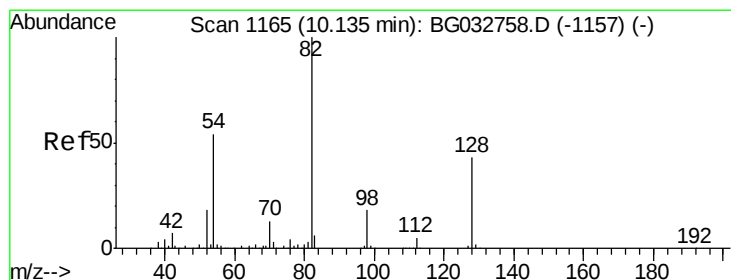
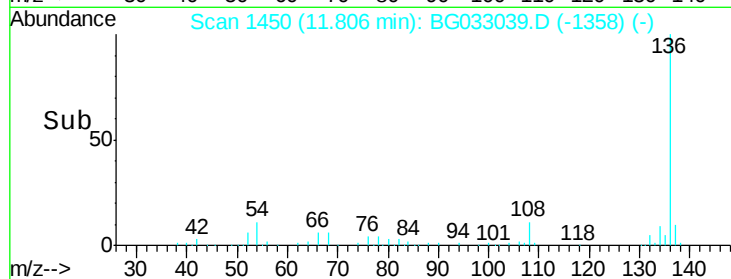
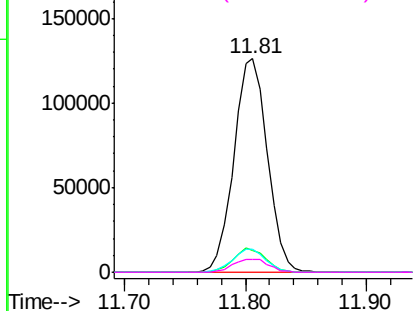
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BG033039.D
Acq: 8 Mar 2018 14:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	243142
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.2 13.8
54	10.6	10.3 15.5
68	6.2	4.5 6.7

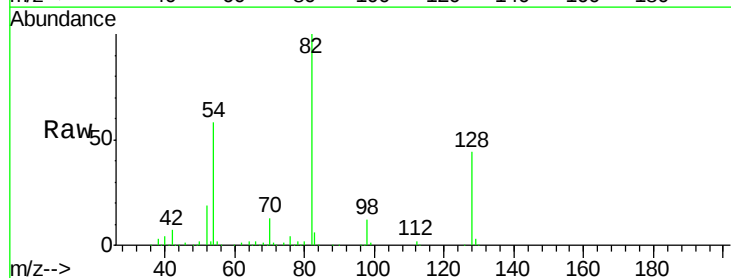


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

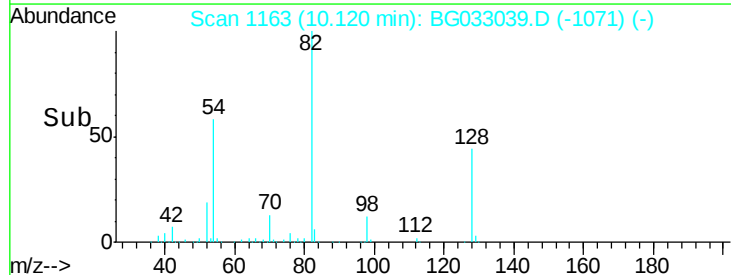
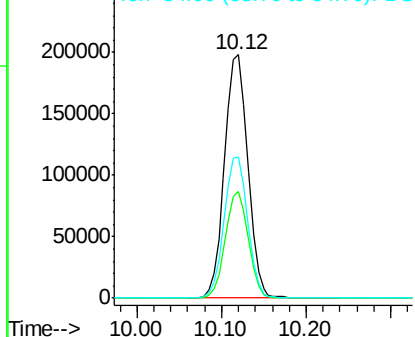


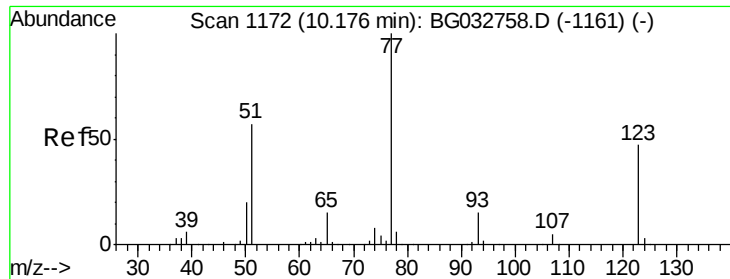
#23
Nitrobenzene-d5
Concen: 105.041 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BG033039.D
Acq: 8 Mar 2018 14:05

Tgt Ion: 82	Resp:	377307
Ion Ratio	Lower	Upper
82	100	
128	43.7	29.7 44.5
54	58.2	43.1 64.7



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

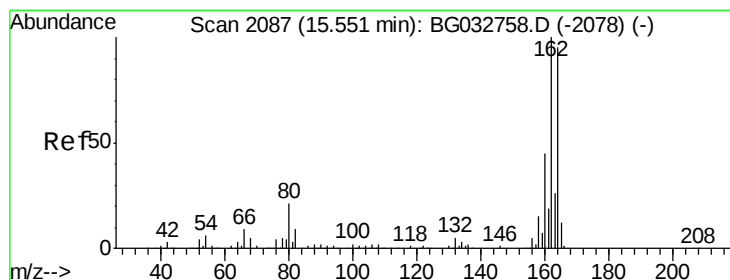
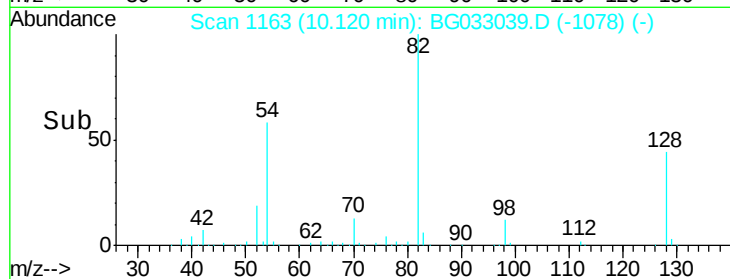
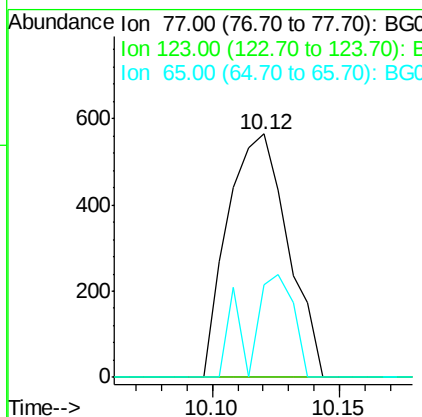
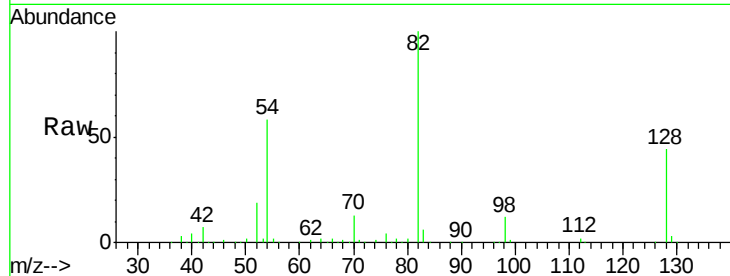




#24
 Nitrobenzene
 Concen: 6.590 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.03 min
 Lab File: BG033039.D
 Acq: 8 Mar 2018 14:05

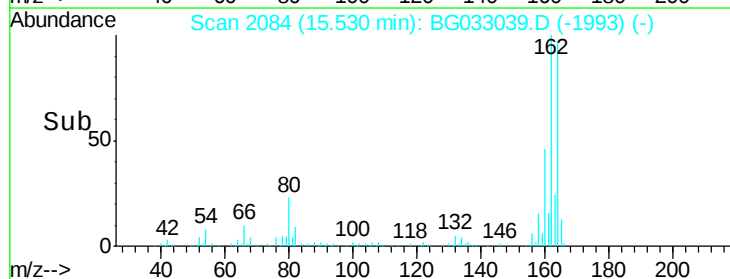
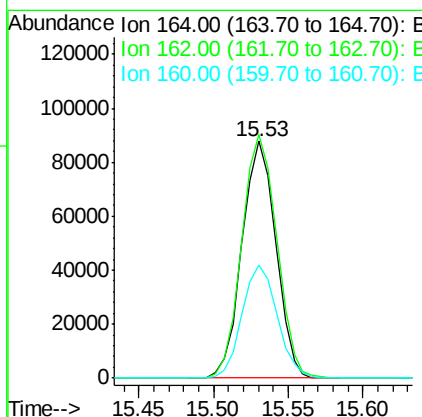
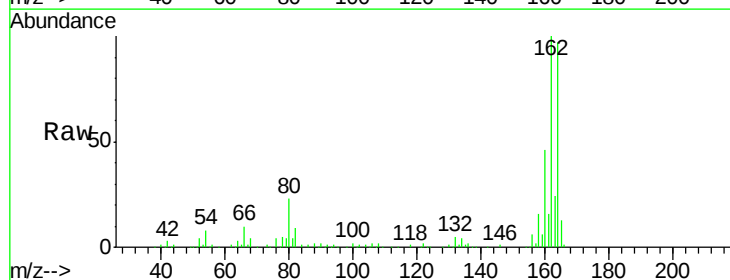
Instrument :
 BNA_G
 ClientSampled :

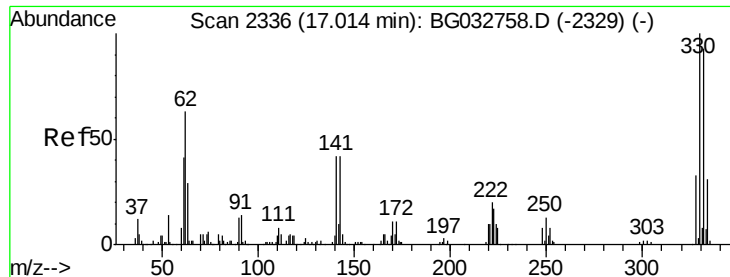
Tot Ion: 77 Resp: 937
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 38.2 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. 0.00 min
 Lab File: BG033039.D
 Acq: 8 Mar 2018 14:05

Tgt Ion:164 Resp: 137870
 Ion Ratio Lower Upper
 164 100
 162 102.7 78.8 118.2
 160 47.5 35.4 53.0

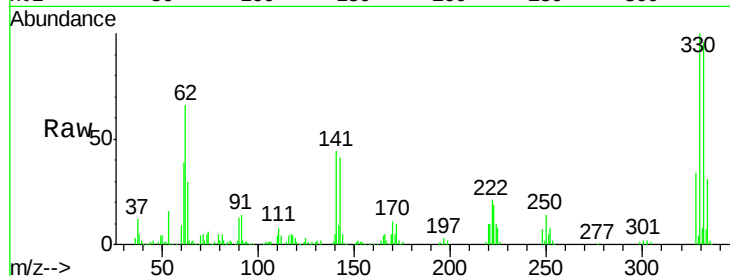




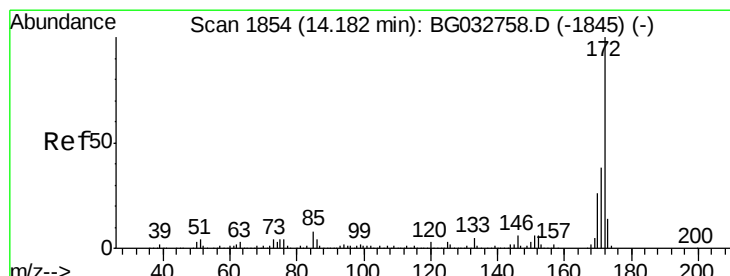
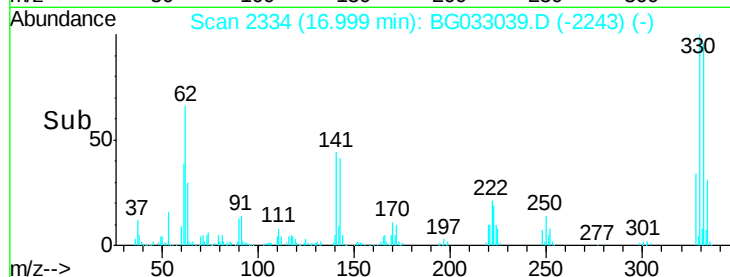
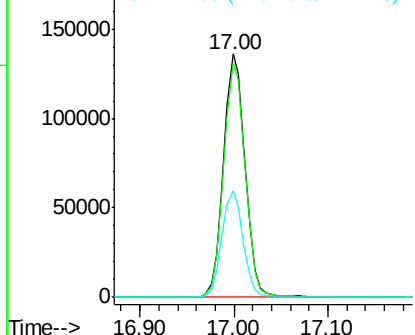
#41
 2,4,6-Tribromophenol
 Concen: 150.410 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: BG033039.D
 Acq: 8 Mar 2018 14:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 218042
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 43.6 25.2 37.8#

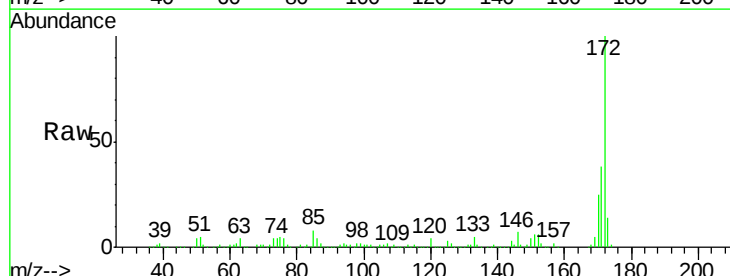


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

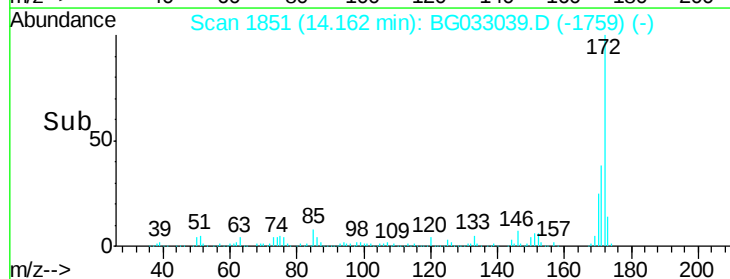
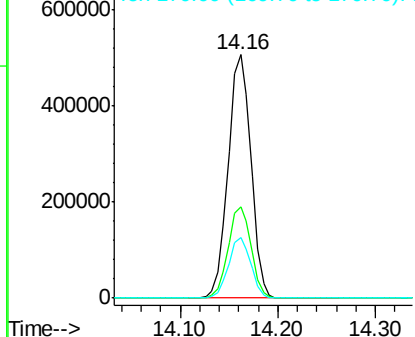


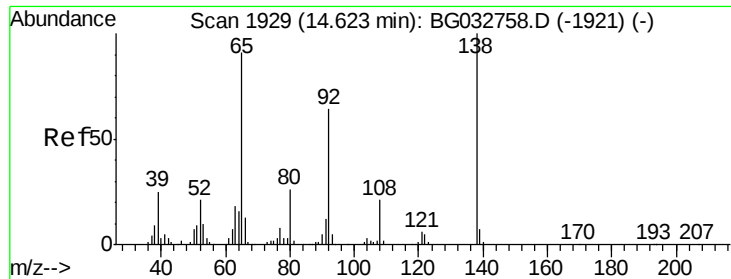
#44
 2-Fluorobiphenyl
 Concen: 85.598 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. 0.01 min
 Lab File: BG033039.D
 Acq: 8 Mar 2018 14:05

Tgt Ion:172 Resp: 818264
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.0 45.0
 170 25.0 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: 10.434 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.44 min

Lab File: BG033039.D

Acq: 8 Mar 2018 14:05

Instrument :

BNA_G

ClientSampleId :

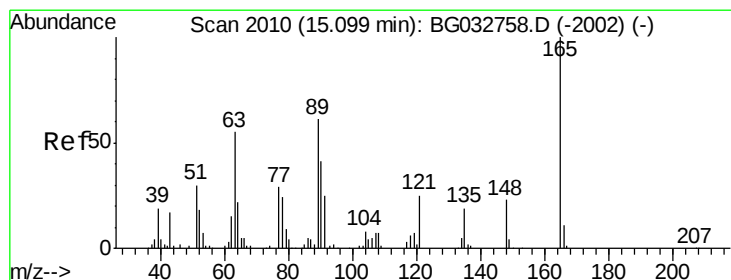
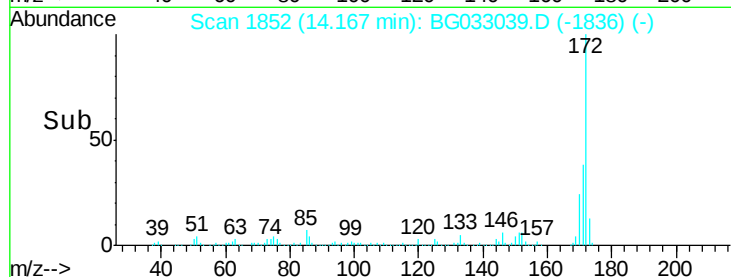
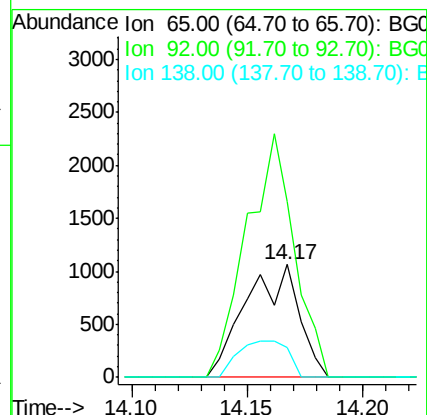
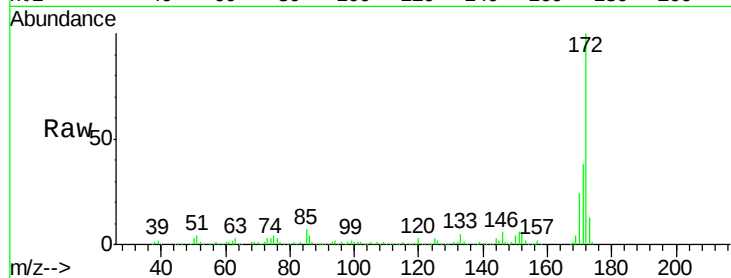
Tot Ion: 65 Resp: 1708

Ion Ratio Lower Upper

65 100

92 155.7 54.6 82.0#

138 26.9 72.9 109.3#



#50

2,6-Dinitrotoluene

Concen: 16.408 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.45 min

Lab File: BG033039.D

Acq: 8 Mar 2018 14:05

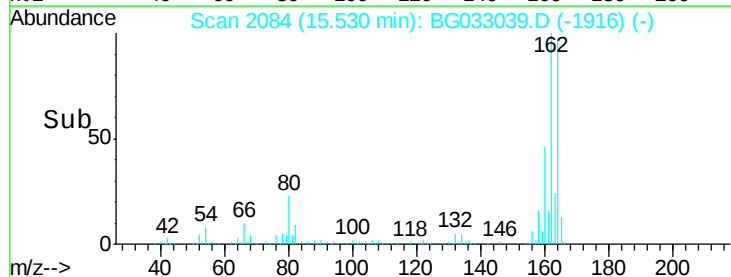
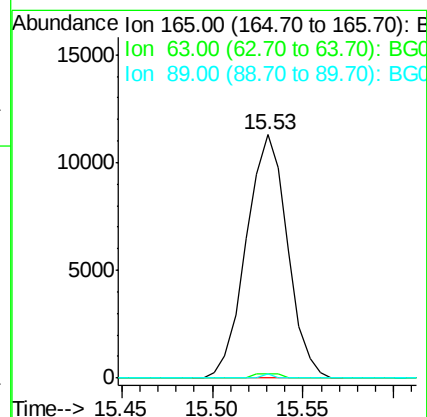
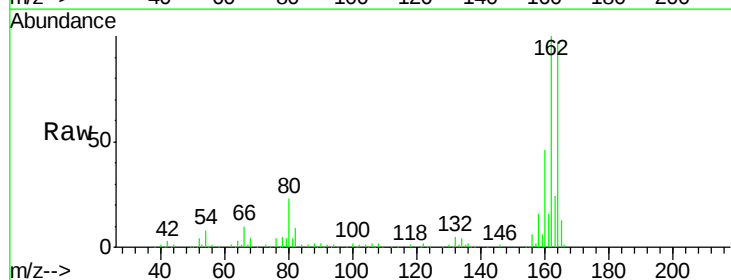
Tgt Ion: 165 Resp: 17862

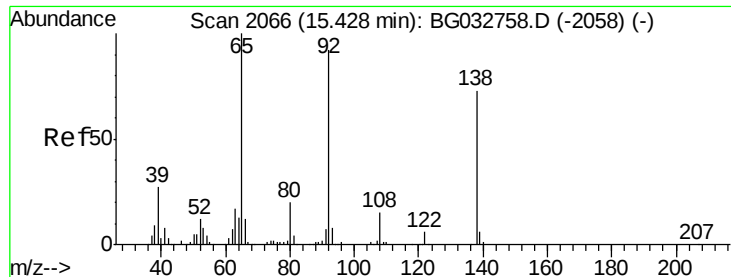
Ion Ratio Lower Upper

165 100

63 1.5 52.7 79.1#

89 1.6 49.2 73.8#

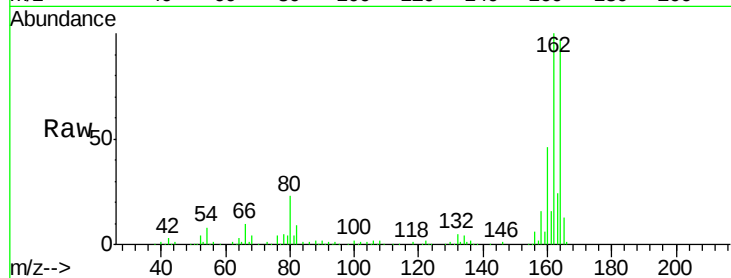




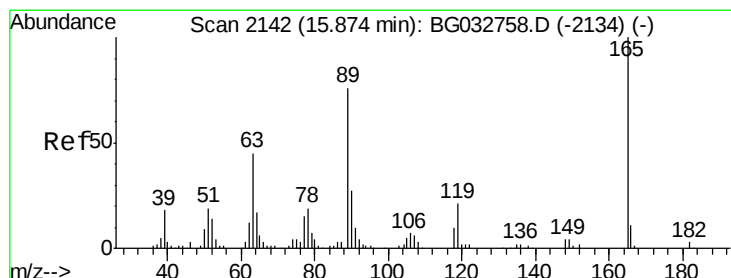
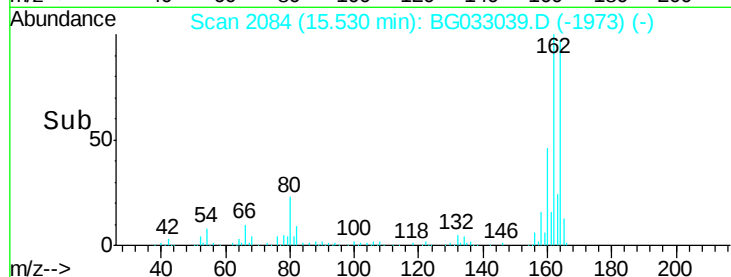
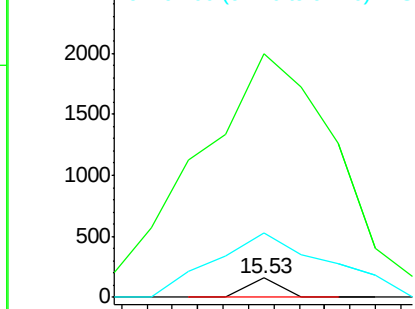
#52
3-Nitroaniline
Concen: 7.563 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.12 min
Lab File: BG033039.D
Acq: 8 Mar 2018 14:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 1262.7 17.5 26.3#
92 334.2 105.8 158.8#

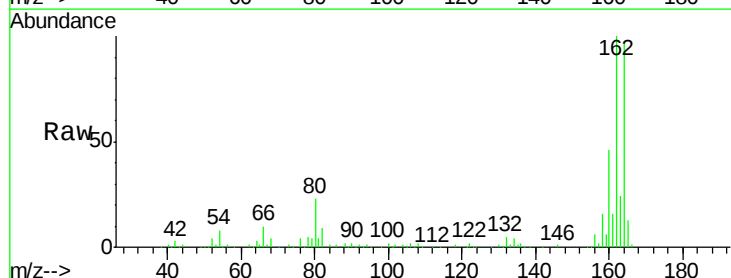


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

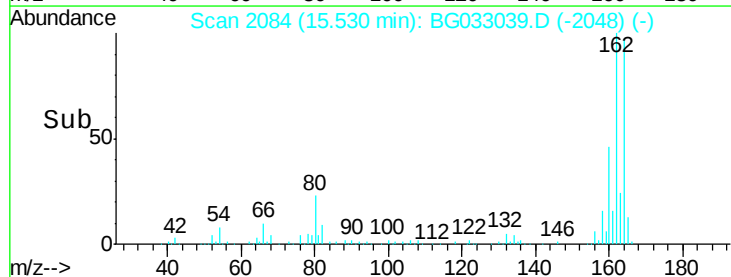
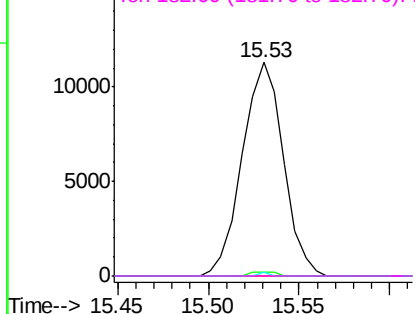


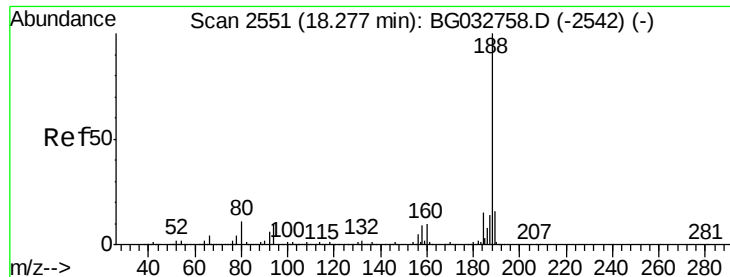
#56
2,4-Dinitrotoluene
Concen: 14.606 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.32 min
Lab File: BG033039.D
Acq: 8 Mar 2018 14:05

Tgt Ion:165 Resp: 17862
Ion Ratio Lower Upper
165 100
63 1.5 42.0 63.0#
89 1.6 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: BG033039.D

Acq: 8 Mar 2018 14:05

Instrument :

BNA_G

ClientSampleId :

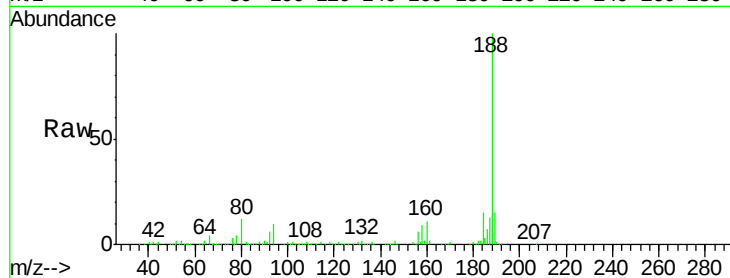
Tot Ion:188 Resp: 296046

Ion Ratio Lower Upper

188 100

94 9.7 6.9 10.3

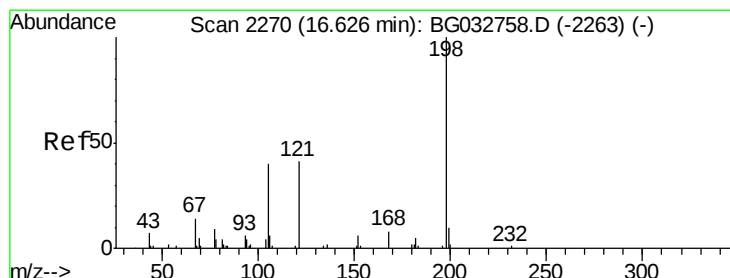
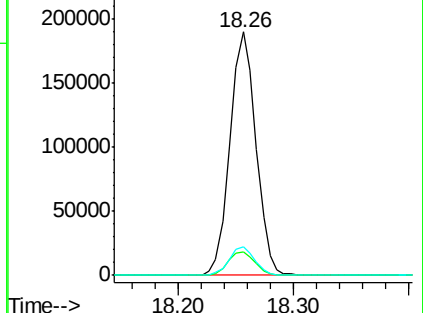
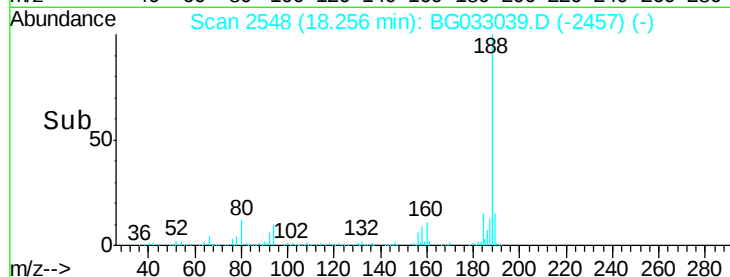
80 11.8 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG033039.D (-2457) (-)

Ion 80.00 (79.70 to 80.70): BG033039.D (-2457) (-)



#64

4,6-Dinitro-2-methylphenol

Concen: 5.631 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.39 min

Lab File: BG033039.D

Acq: 8 Mar 2018 14:05

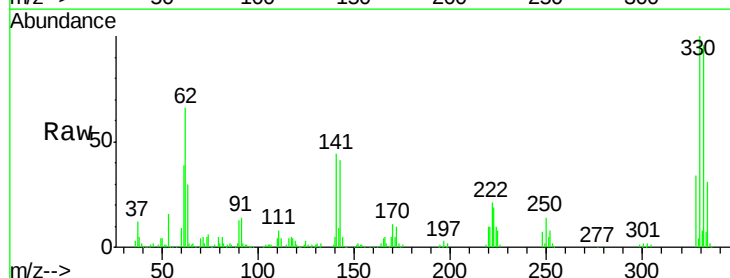
Tgt Ion:198 Resp: 475

Ion Ratio Lower Upper

198 100

51 180.1 30.6 70.6#

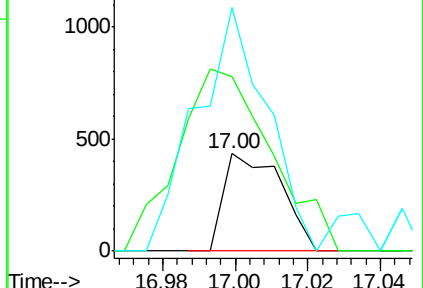
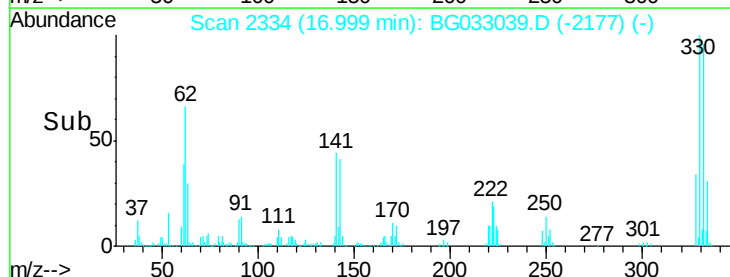
105 250.8 23.8 63.8#

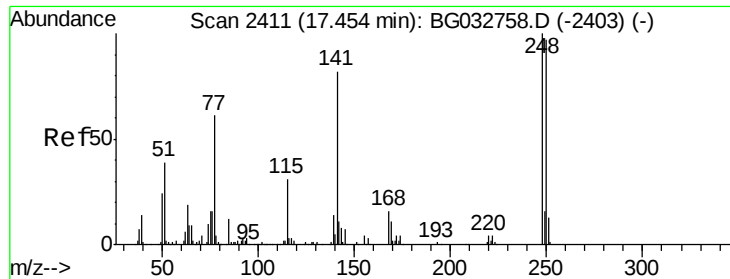


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG033039.D (-2177) (-)

Ion 105.00 (104.70 to 105.70): BG033039.D (-2177) (-)

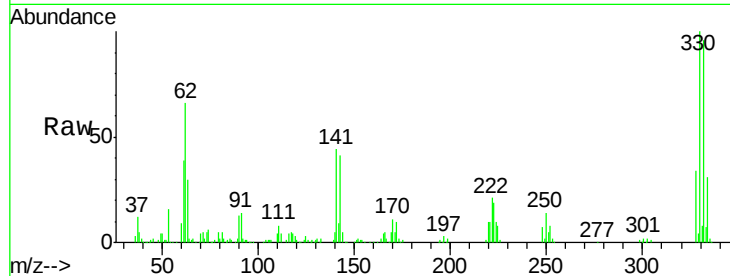




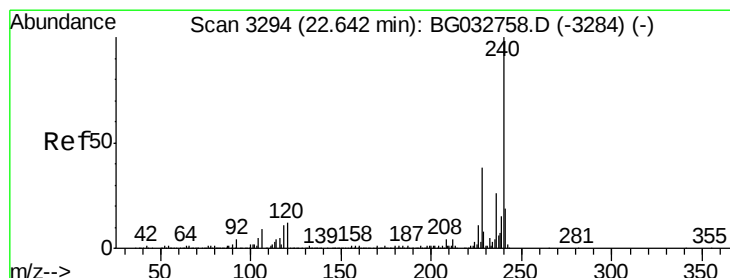
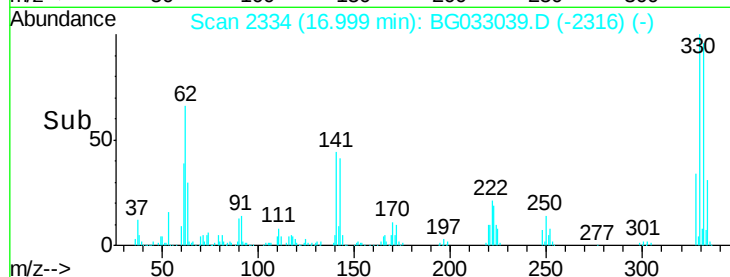
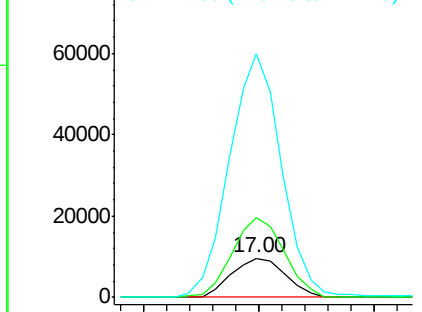
#66
 4-Bromophenyl-phenylether
 Concen: 4.943 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG033039.D
 Acq: 8 Mar 2018 14:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15474
 Ion Ratio Lower Upper
 248 100
 250 203.2 77.1 115.7#
 141 618.7 50.8 76.2#

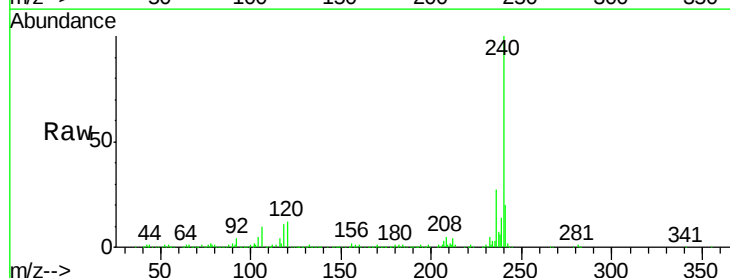


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

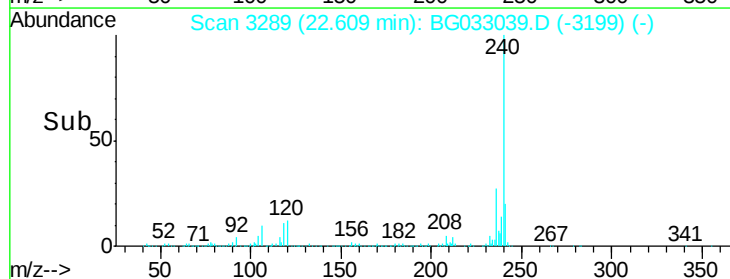
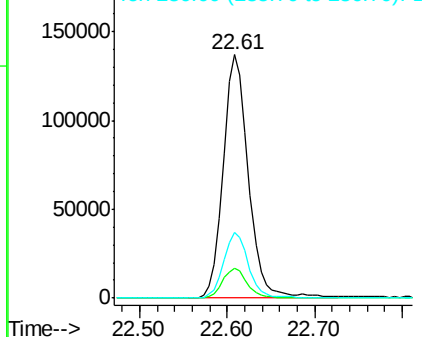


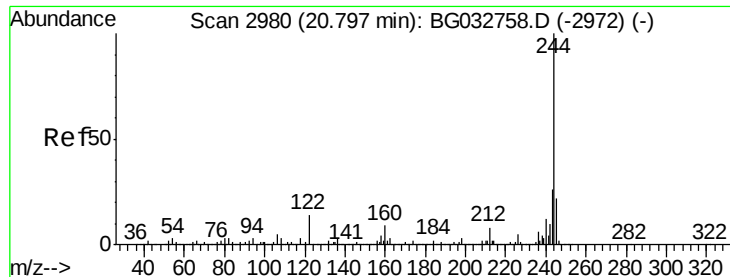
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: BG033039.D
 Acq: 8 Mar 2018 14:05

Tgt Ion:240 Resp: 271796
 Ion Ratio Lower Upper
 240 100
 120 12.5 6.8 10.2#
 236 27.0 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: 98.459 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.01 min

Lab File: BG033039.D

Acq: 8 Mar 2018 14:05

Instrument :

BNA_G

ClientSampleId :

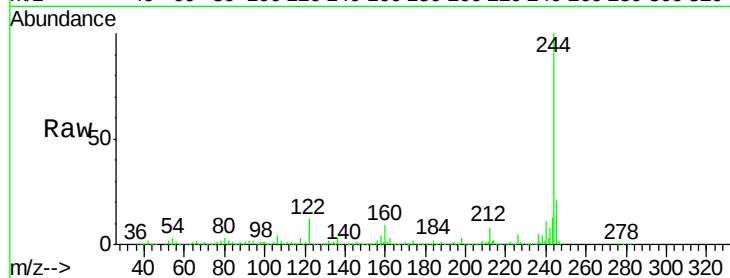
Tot Ion:244 Resp: 1191096

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

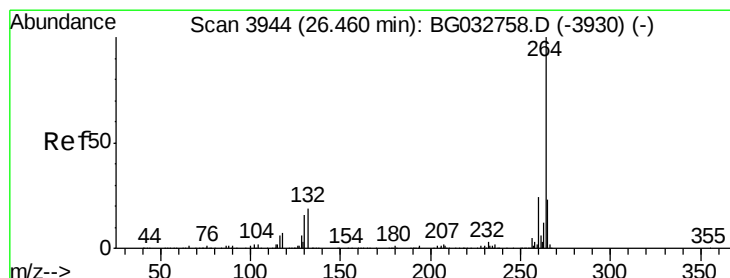
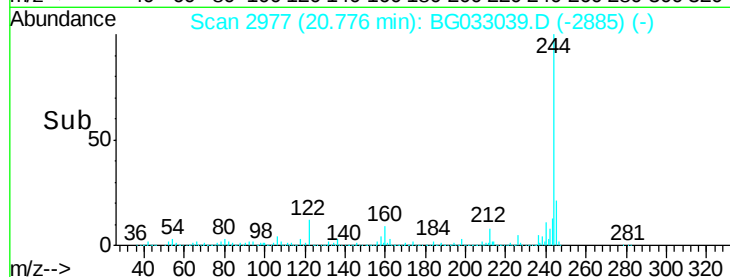
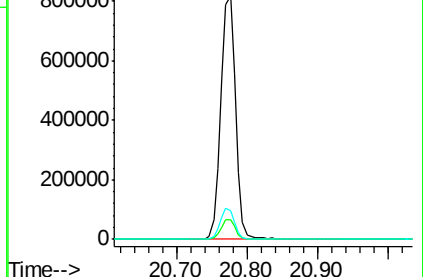
122 12.0 7.0 10.4#



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: 26.42 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BG033039.D

Acq: 8 Mar 2018 14:05

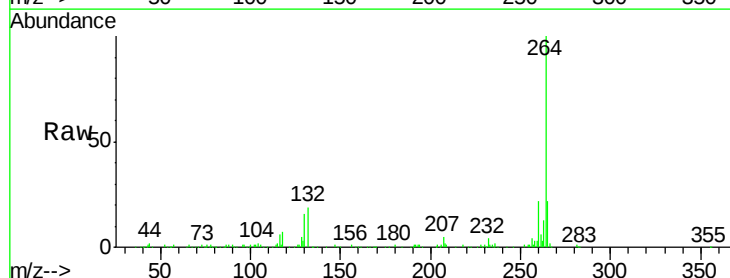
Tgt Ion:264 Resp: 271319

Ion Ratio Lower Upper

264 100

260 22.5 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

