

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021518\
 Data File : BG032726.D
 Acq On : 15 Feb 2018 22:56
 Operator : SJ/JU
 Sample : J1565-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 16 02:27:14 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

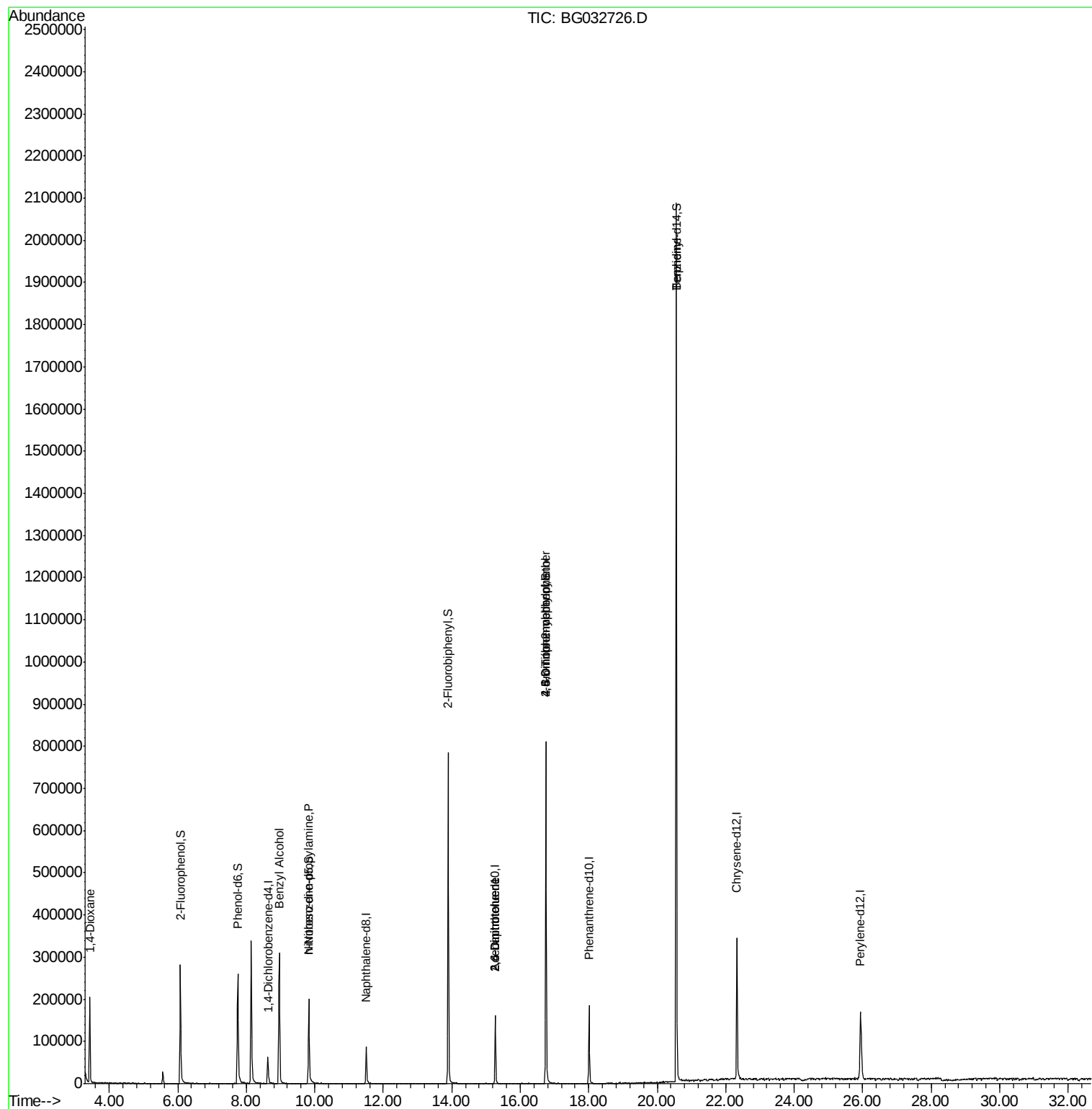
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.63	152	23891	20.00	ng	-0.05
21) Naphthalene-d8	11.50	136	93466	20.00	ng	-0.05
38) Acenaphthene-d10	15.27	164	64512	20.00	ng	-0.04
63) Phenanthrene-d10	18.01	188	140903	20.00	ng	-0.04
75) Chrysene-d12	22.32	240	274149	20.00	ng	-0.05
86) Perylene-d12	25.93	264	235262	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.07	112	154563	129.80	ng	-0.04
7) Phenol-d6	7.75	99	170049	104.44	ng	-0.04
23) Nitrobenzene-d5	9.83	82	138697	94.31	ng	-0.05
41) 2,4,6-Tribromophenol	16.75	330	194091	195.39	ng	-0.04
44) 2-Fluorobiphenyl	13.89	172	450249	87.28	ng	-0.04
78) Terphenyl-d14	20.56	244	1188617	98.82	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.43	88	2546	5.11	ng	# 1
15) Benzyl Alcohol	8.96	79	2968	2.43	ng	# 45
19) n-Nitroso-di-n-propylamine	9.83	70	19490	17.81	ng	# 84
50) 2,6-Dinitrotoluene	15.27	165	9030	7.86	ng	# 18
56) 2,4-Dinitrotoluene	15.27	165	9030	5.71	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.75	198	471	5.43	ng	# 21
66) 4-Bromophenyl-phenylether	16.75	248	15925	7.90	ng	# 1
76) Benzidine	20.56	184	17363	2.69	ng	# 93

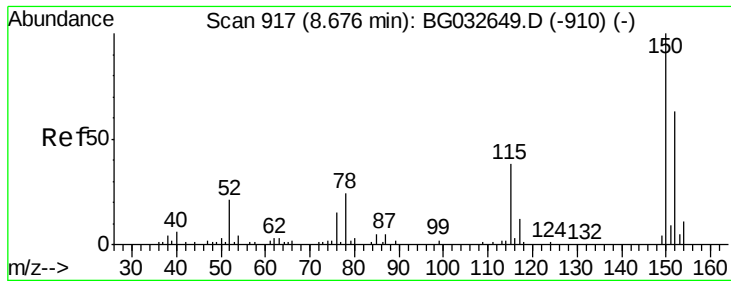
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 16 02:27:14 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 12 18:08:01 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.63 min Scan# 909

Delta R.T. -0.05 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

Instrument :

BNA_G

ClientSampleId :

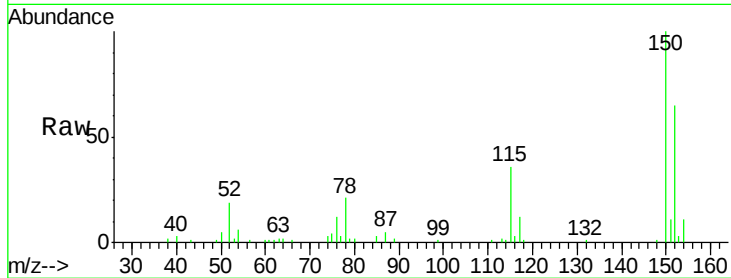
Tot Ion:152 Resp: 23891

Ion Ratio Lower Upper

152 100

150 152.8 126.6 189.8

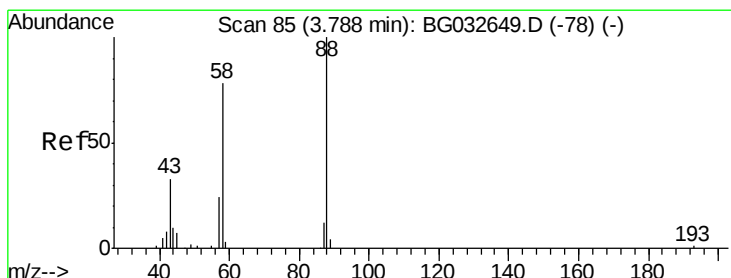
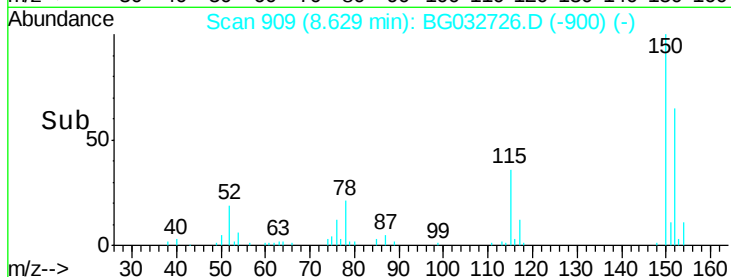
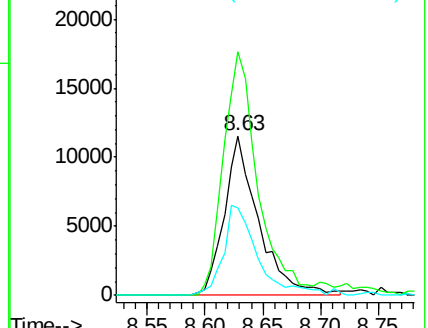
115 54.6 53.0 79.4



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



#2

1,4-Dioxane

Concen: 5.11 ng

RT: 3.43 min Scan# 25

Delta R.T. -0.35 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

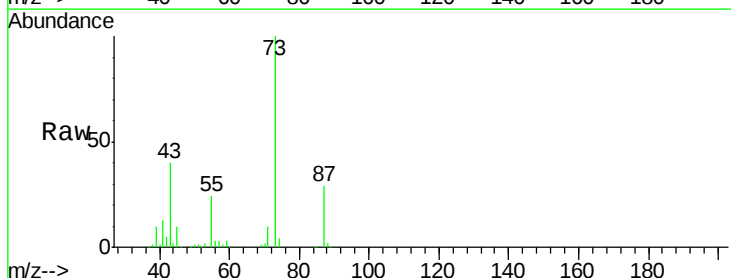
Tgt Ion: 88 Resp: 2546

Ion Ratio Lower Upper

88 100

58 39.1 79.6 119.4#

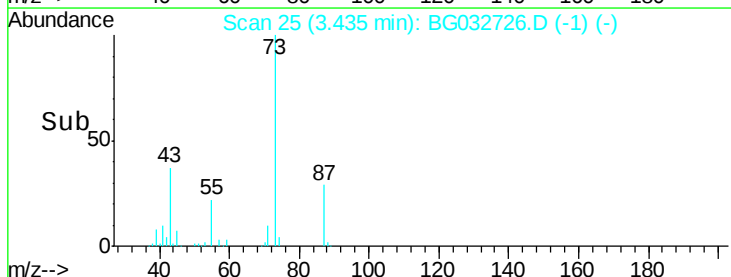
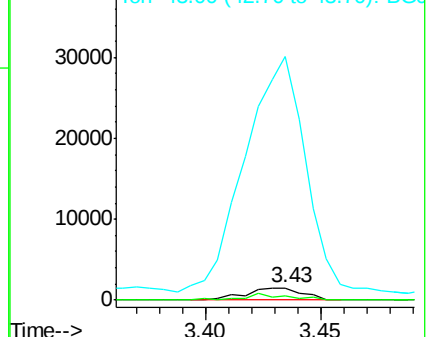
43 2112.9 27.4 41.0#

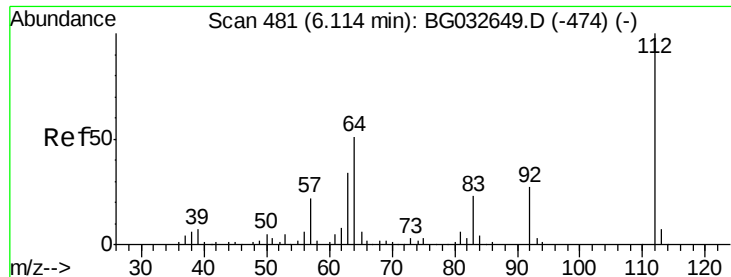


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 129.80 ng

RT: 6.07 min Scan# 474

Delta R.T. -0.04 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

Instrument :

BNA_G

ClientSampleId :

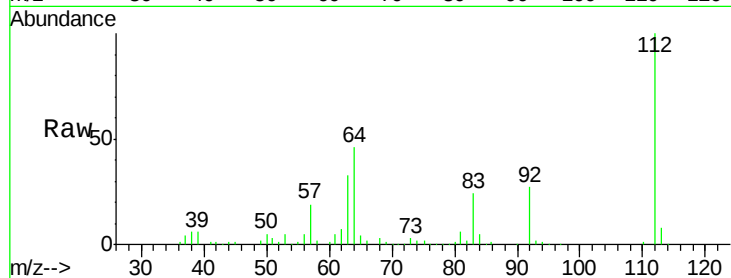
Tot Ion: 112 Resp: 154563

Ion Ratio Lower Upper

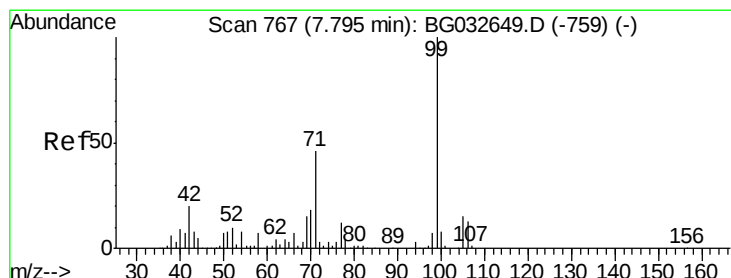
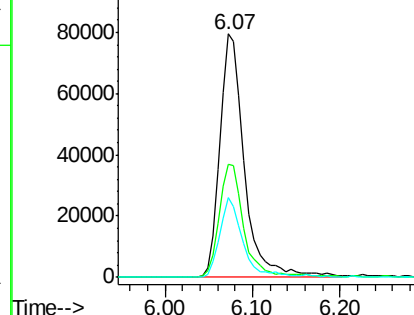
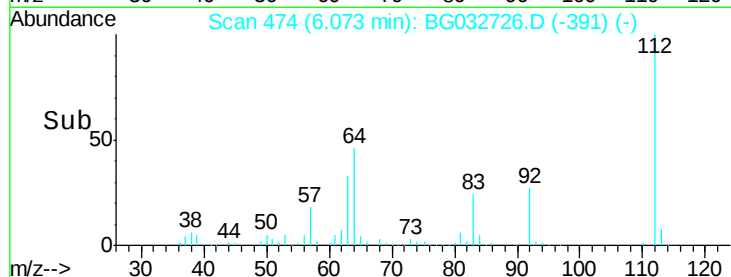
112 100

64 46.4 56.3 84.5#

63 32.5 30.1 45.1



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



#7

Phenol-d6

Concen: 104.44 ng

RT: 7.75 min Scan# 760

Delta R.T. -0.04 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

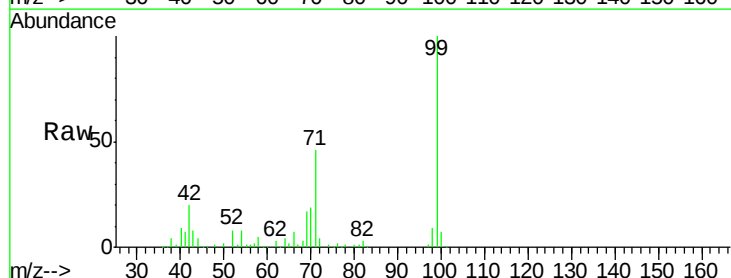
Tgt Ion: 99 Resp: 170049

Ion Ratio Lower Upper

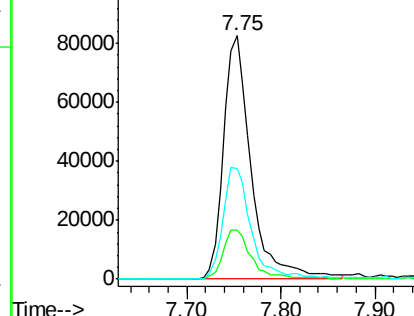
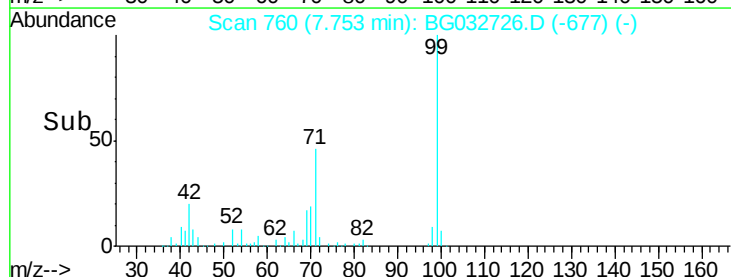
99 100

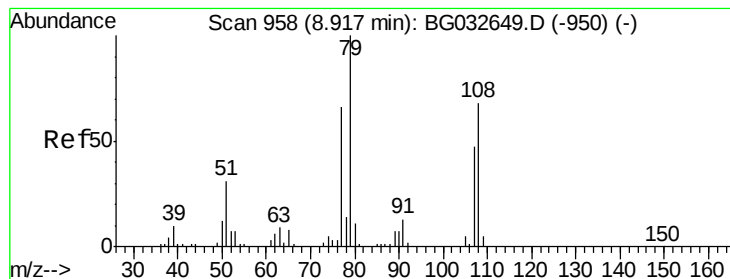
42 20.3 14.1 21.1

71 45.5 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: 2.43 ng

RT: 8.96 min Scan# 965

Delta R.T. 0.04 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

Instrument :

BNA_G

ClientSampled :

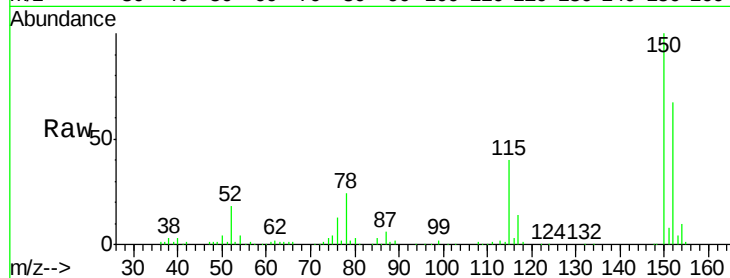
Tot Ion: 79 Resp: 2968

Ion Ratio Lower Upper

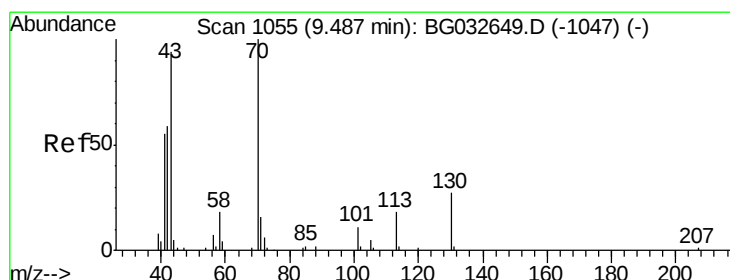
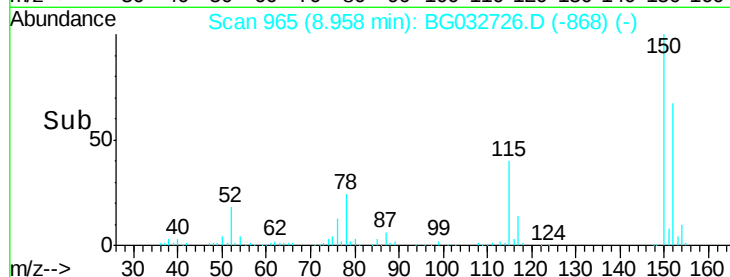
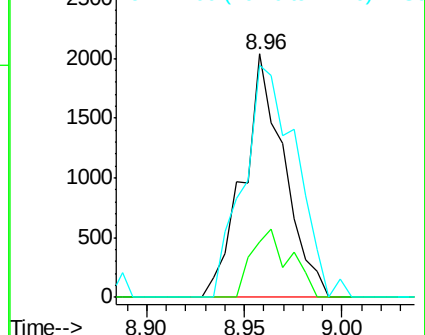
79 100

108 22.6 57.2 85.8#

77 95.1 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: 17.81 ng

RT: 9.83 min Scan# 1113

Delta R.T. 0.34 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

Tgt Ion: 70 Resp: 19490

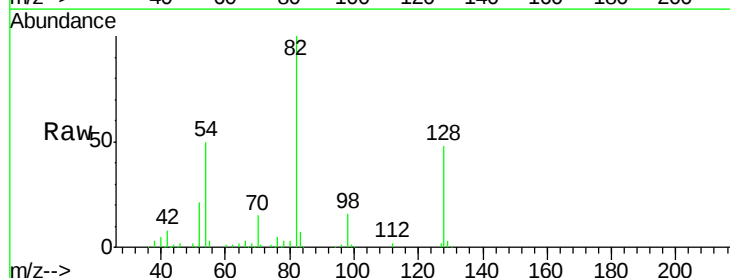
Ion Ratio Lower Upper

70 100

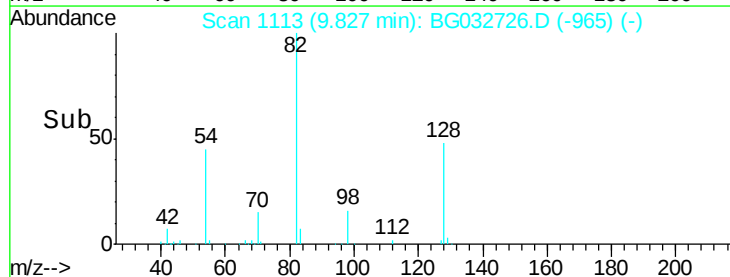
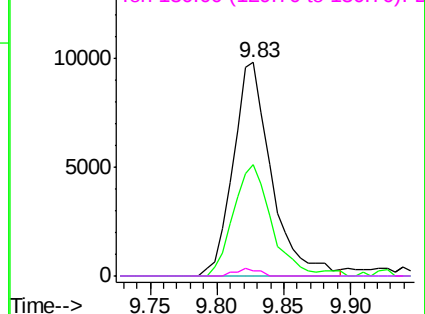
42 54.6 49.1 73.7

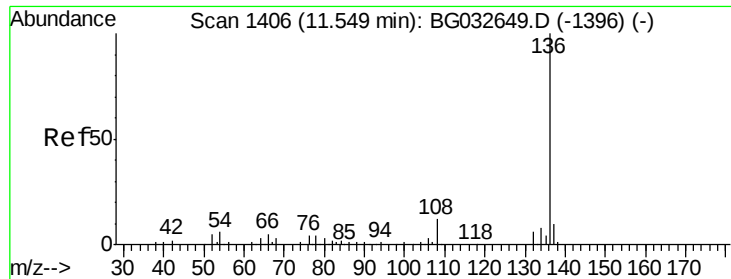
101 0.0 8.5 12.7#

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: 20.00 ng

RT: 11.50 min Scan# 1398

Delta R.T. -0.05 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 93466

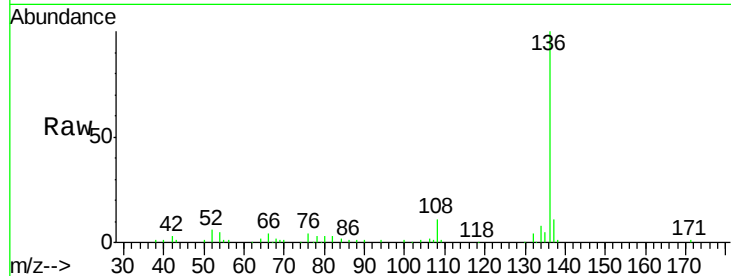
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 4.9 10.3 15.5#

68 2.2 4.5 6.7#

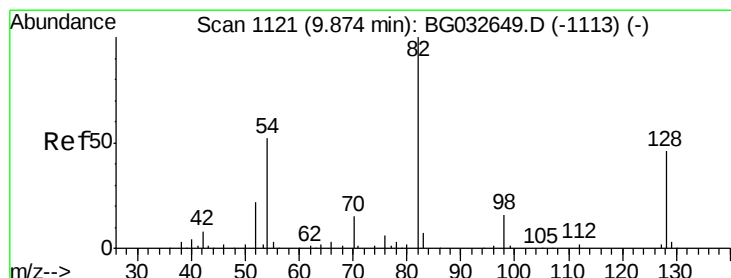
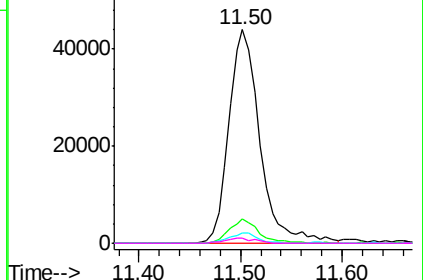
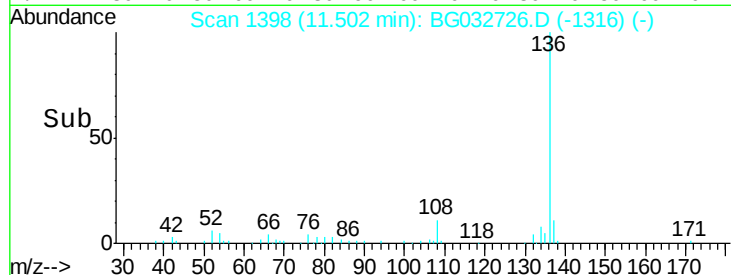


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.31 ng

RT: 9.83 min Scan# 1113

Delta R.T. -0.05 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

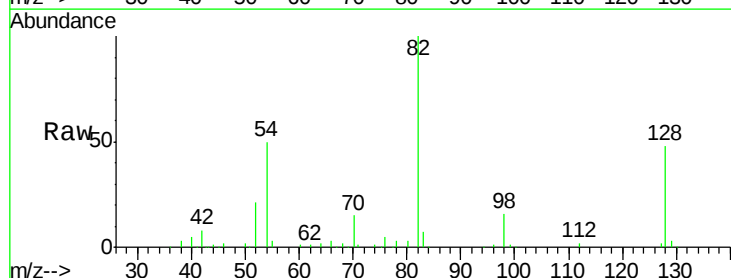
Tgt Ion: 82 Resp: 138697

Ion Ratio Lower Upper

82 100

128 48.0 29.7 44.5#

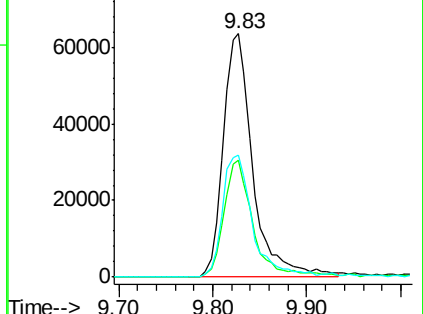
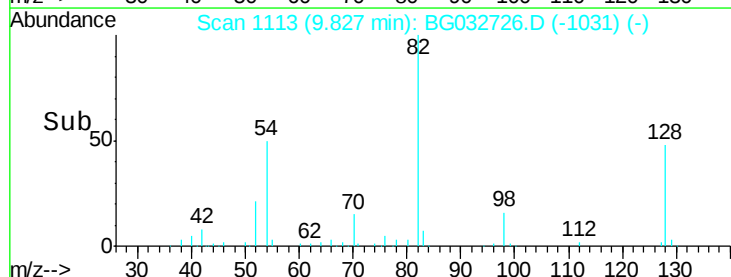
54 50.1 43.1 64.7

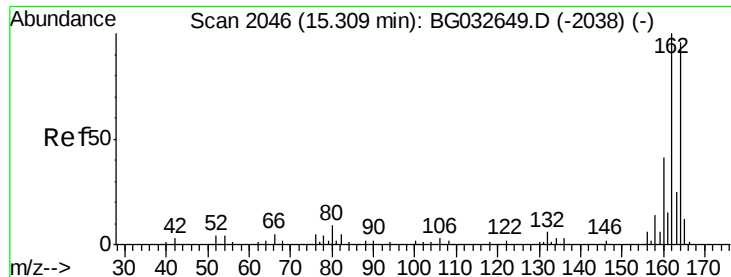


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

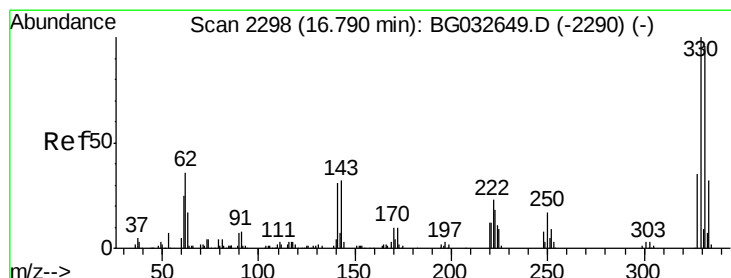
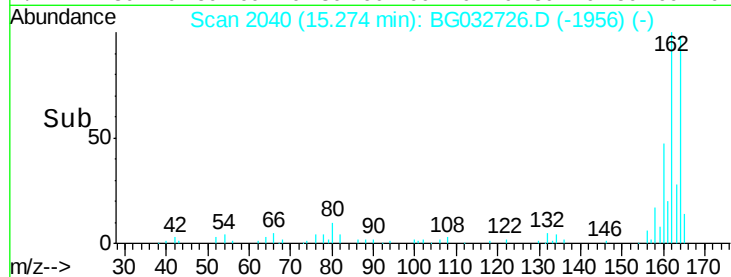
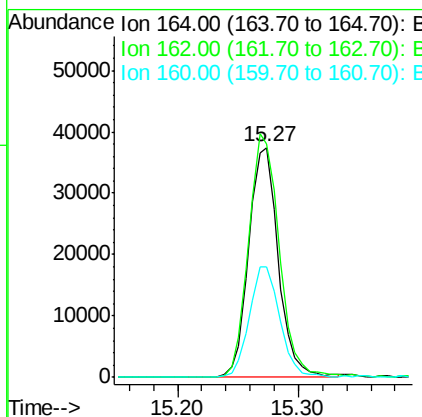
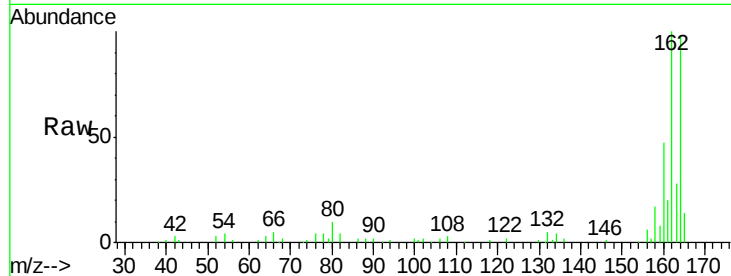




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.27 min Scan# 2040
Delta R.T. -0.04 min
Lab File: BG032726.D
Acq: 15 Feb 2018 22:56

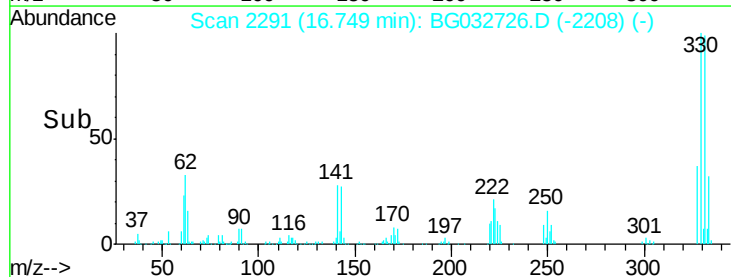
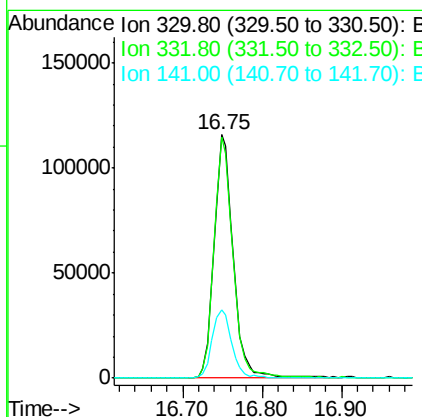
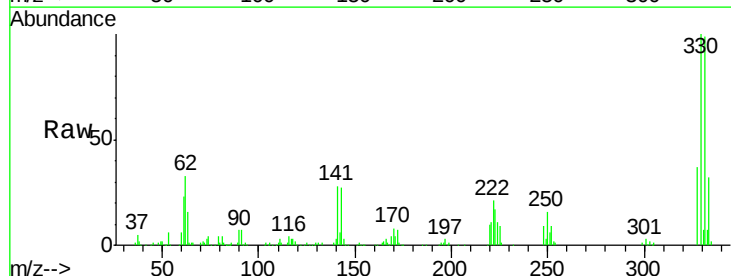
Instrument :
BNA_G
ClientSampleId :

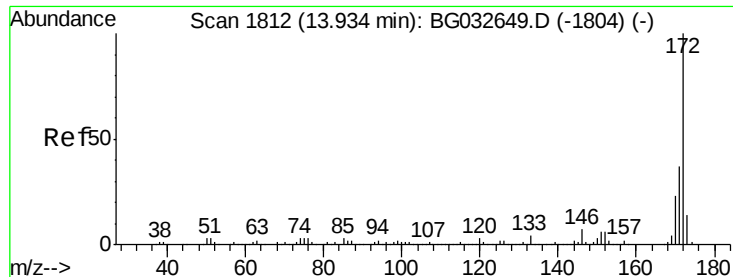
Tot Ion:164 Resp: 64512
Ion Ratio Lower Upper
164 100
162 101.8 78.8 118.2
160 48.3 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 195.39 ng
RT: 16.75 min Scan# 2291
Delta R.T. -0.04 min
Lab File: BG032726.D
Acq: 15 Feb 2018 22:56

Tgt Ion:330 Resp: 194091
Ion Ratio Lower Upper
330 100
332 98.1 77.0 115.6
141 29.0 25.2 37.8

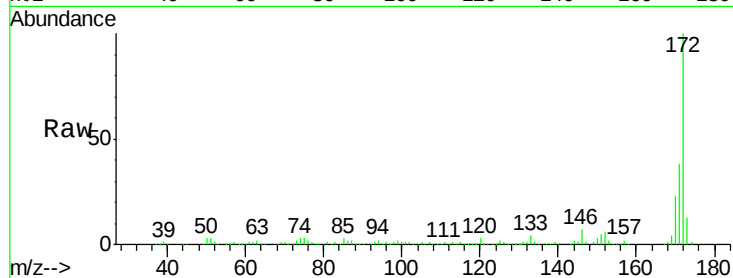




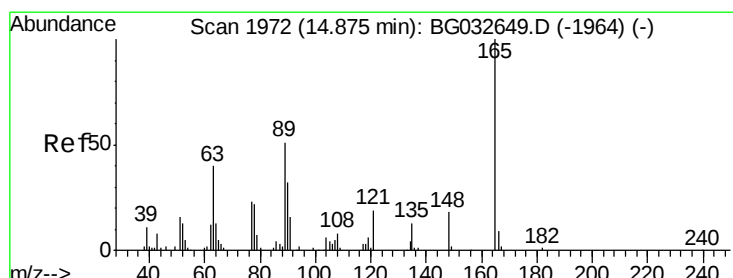
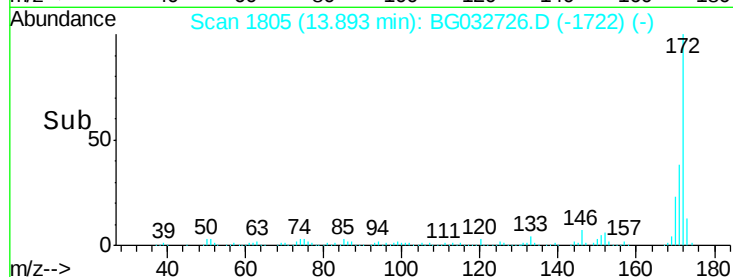
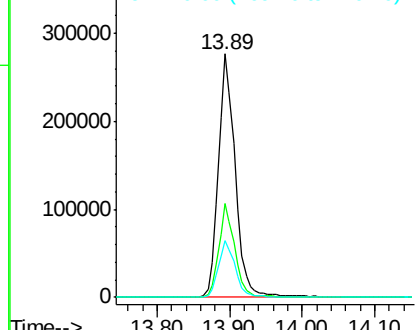
#44
 2-Fluorobiphenyl
 Concen: 87.28 ng
 RT: 13.89 min Scan# 1805
 Delta R.T. -0.04 min
 Lab File: BG032726.D
 Acq: 15 Feb 2018 22:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 450249
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.0 45.0
 170 23.2 19.5 29.3

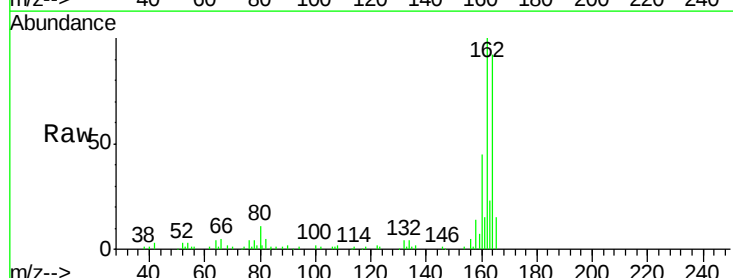


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

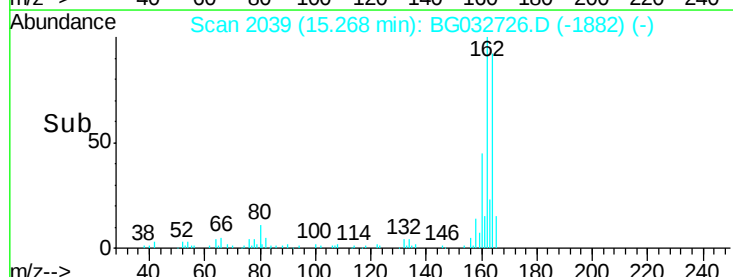
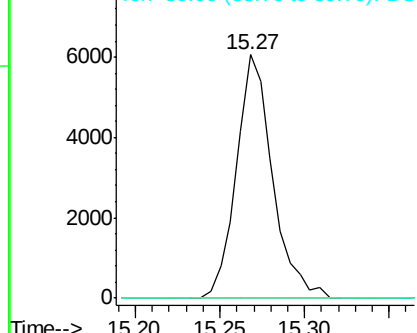


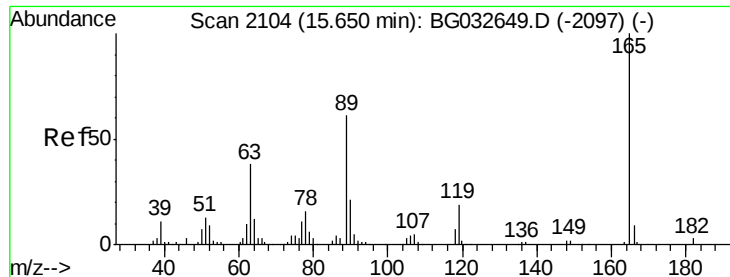
#50
 2,6-Dinitrotoluene
 Concen: 7.86 ng
 RT: 15.27 min Scan# 2039
 Delta R.T. 0.39 min
 Lab File: BG032726.D
 Acq: 15 Feb 2018 22:56

Tgt Ion:165 Resp: 9030
 Ion Ratio Lower Upper
 165 100
 63 0.0 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): BG
 Ion 89.00 (88.70 to 89.70): BG

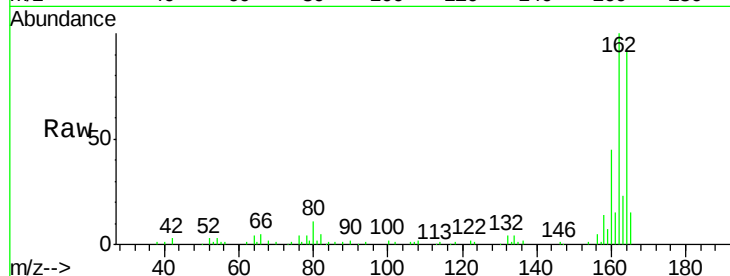




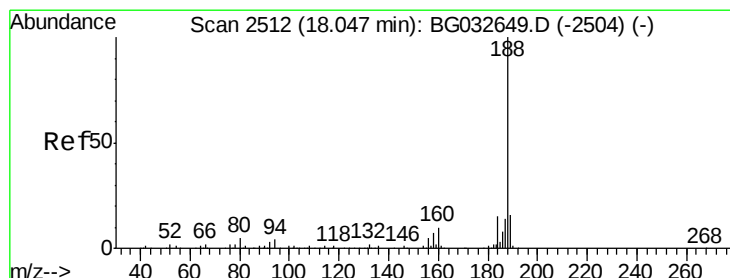
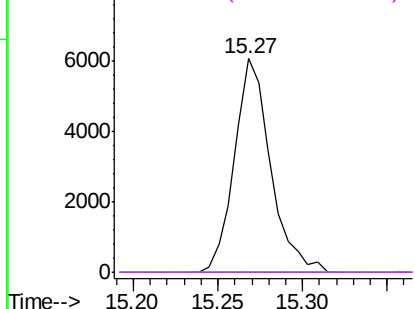
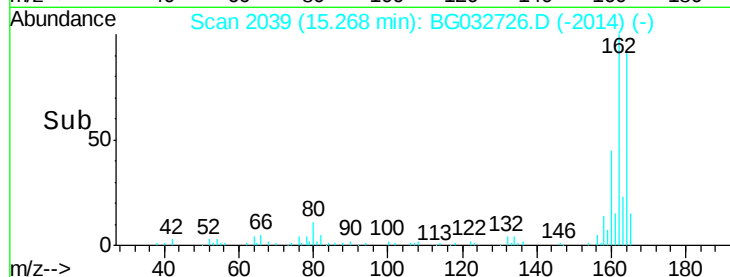
#56
2,4-Dinitrotoluene
Concen: 5.71 ng
RT: 15.27 min Scan# 2039
Delta R.T. -0.38 min
Lab File: BG032726.D
Acq: 15 Feb 2018 22:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 9030
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

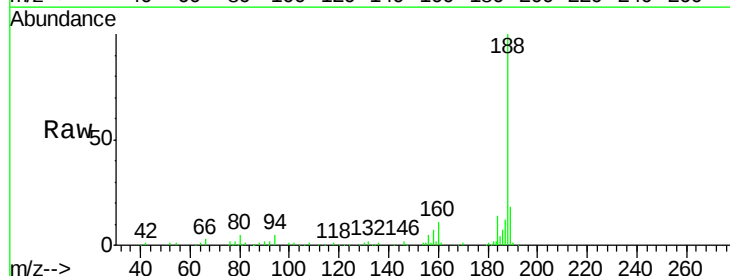


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

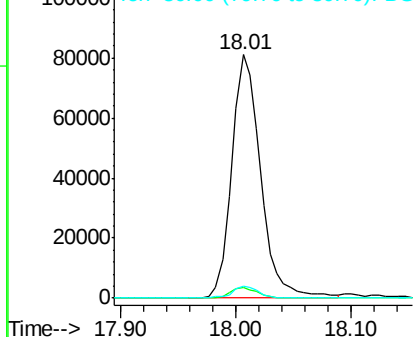
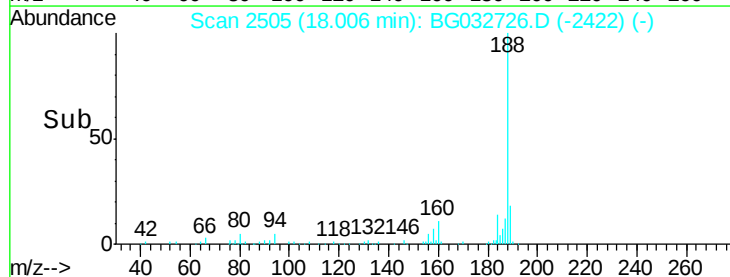


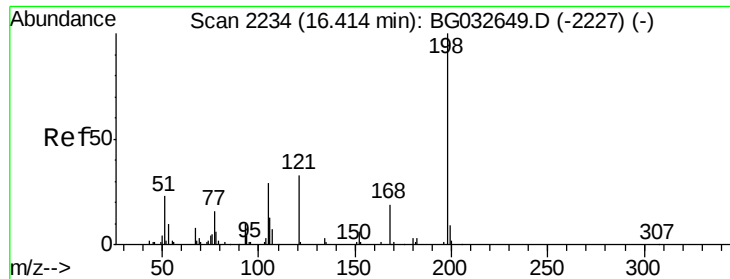
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.01 min Scan# 2505
Delta R.T. -0.04 min
Lab File: BG032726.D
Acq: 15 Feb 2018 22:56

Tgt Ion:188 Resp: 140903
Ion Ratio Lower Upper
188 100
94 4.5 6.9 10.3#
80 5.3 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

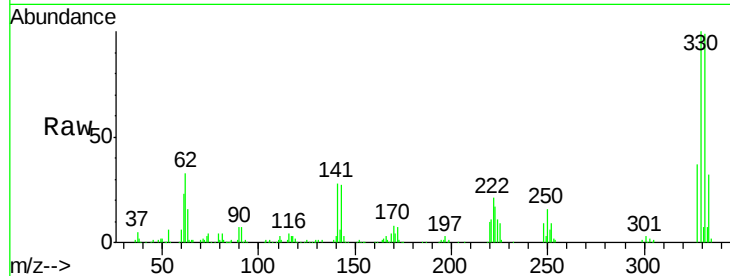




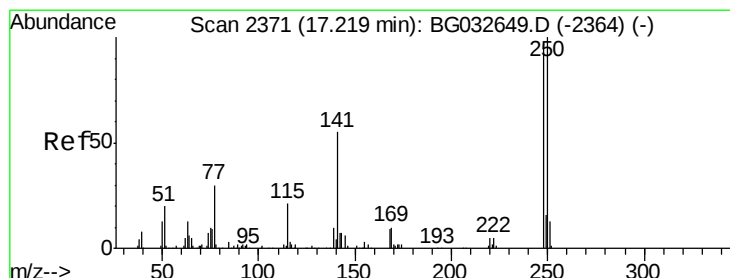
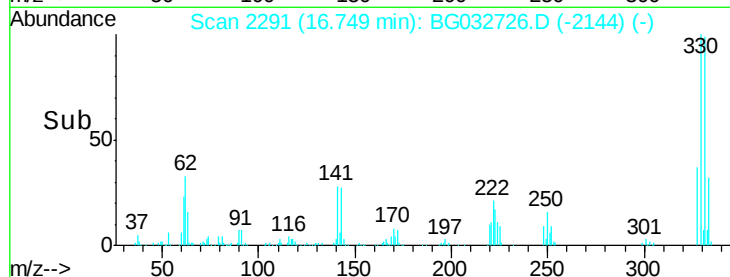
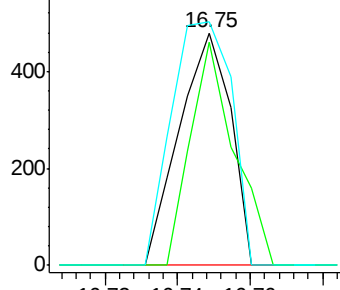
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.43 ng
 RT: 16.75 min Scan# 2291
 Delta R.T. 0.34 min
 Lab File: BG032726.D
 Acq: 15 Feb 2018 22:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 471
 Ion Ratio Lower Upper
 198 100
 51 95.8 30.6 70.6#
 105 104.8 23.8 63.8#

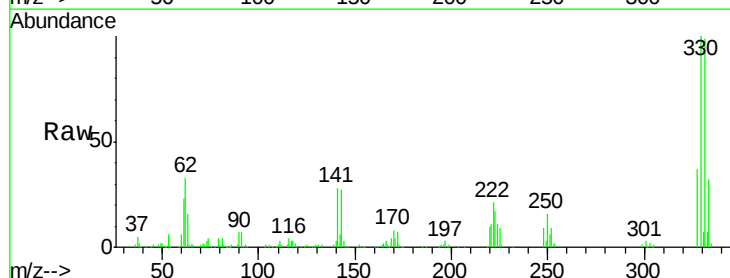


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGO
 Ion 105.00 (104.70 to 105.70): E

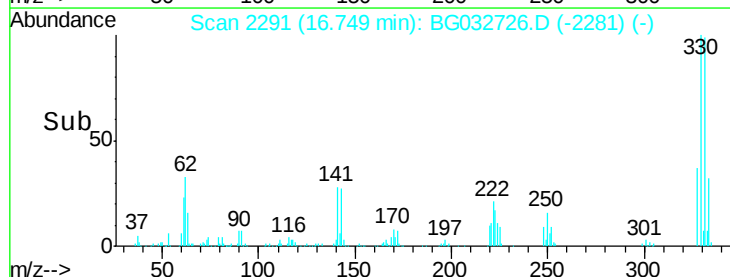
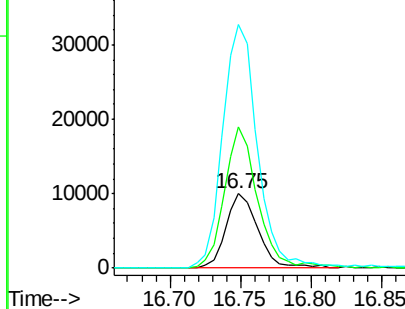


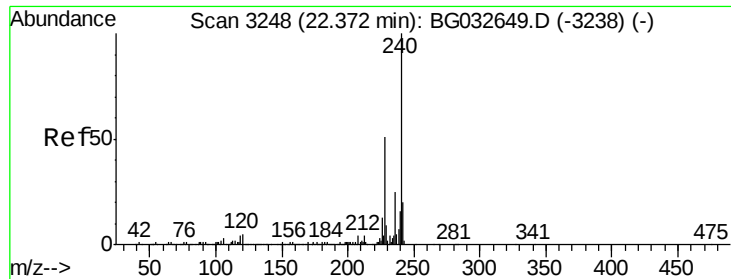
#66
 4-Bromophenyl-phenylether
 Concen: 7.90 ng
 RT: 16.75 min Scan# 2291
 Delta R.T. -0.47 min
 Lab File: BG032726.D
 Acq: 15 Feb 2018 22:56

Tgt Ion:248 Resp: 15925
 Ion Ratio Lower Upper
 248 100
 250 190.2 77.1 115.7#
 141 326.7 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: 20.00 ng

RT: 22.32 min Scan# 3240

Delta R.T. -0.05 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

Instrument :

BNA_G

ClientSampleId :

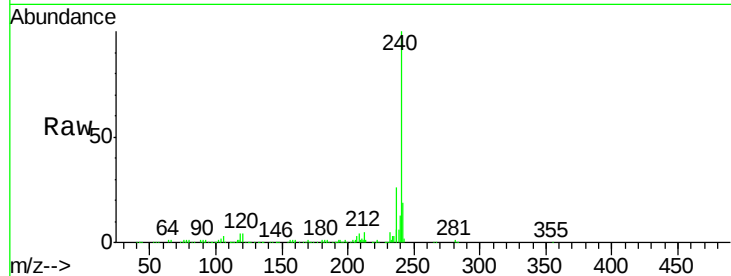
Tot Ion:240 Resp: 274149

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

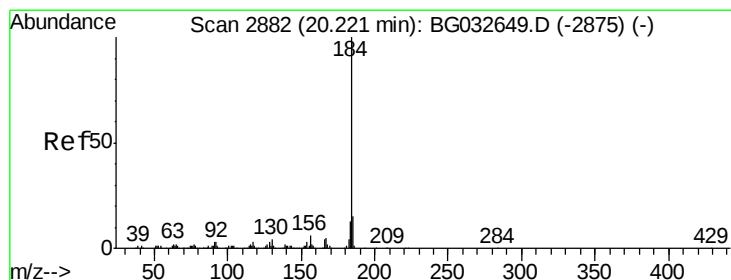
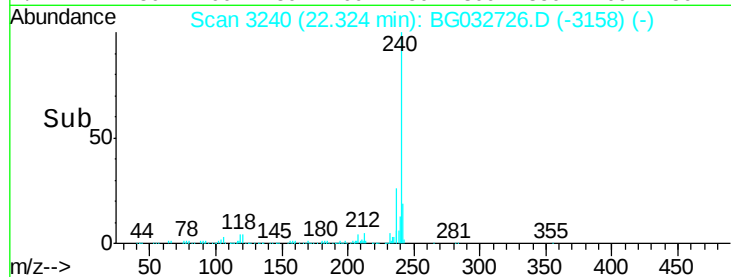
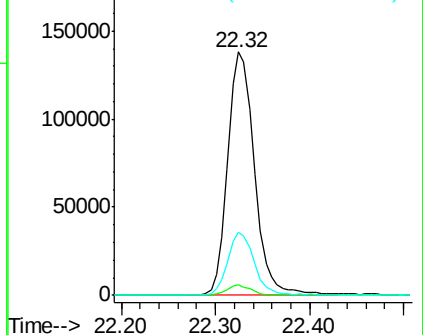
236 25.9 20.9 31.3



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: 2.69 ng

RT: 20.56 min Scan# 2940

Delta R.T. 0.34 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

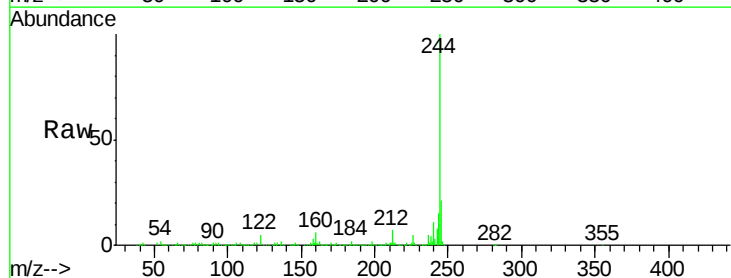
Tgt Ion:184 Resp: 17363

Ion Ratio Lower Upper

184 100

185 14.7 11.1 16.7

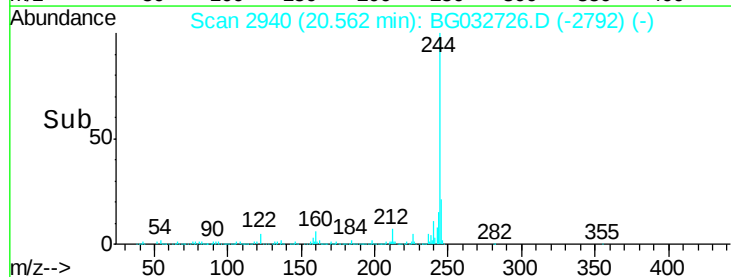
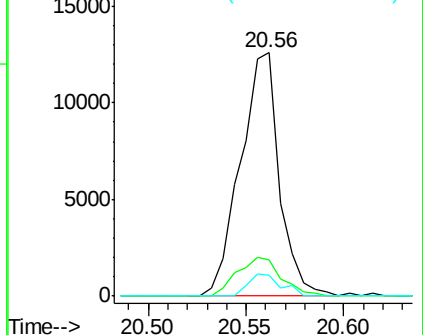
183 8.5 10.6 16.0#

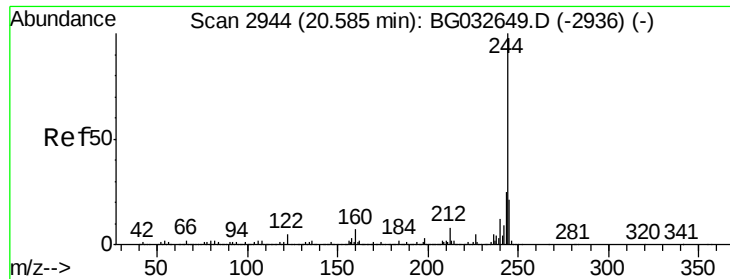


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 98.82 ng

RT: 20.56 min Scan# 2939

Delta R.T. -0.03 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

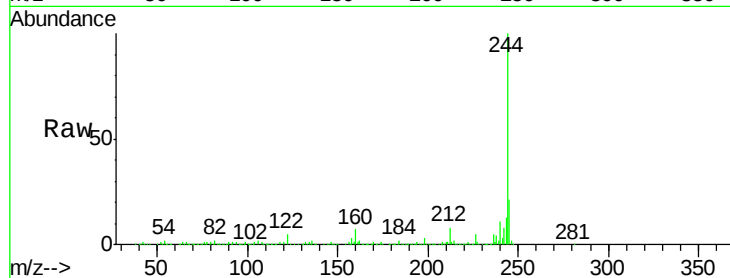
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1188617

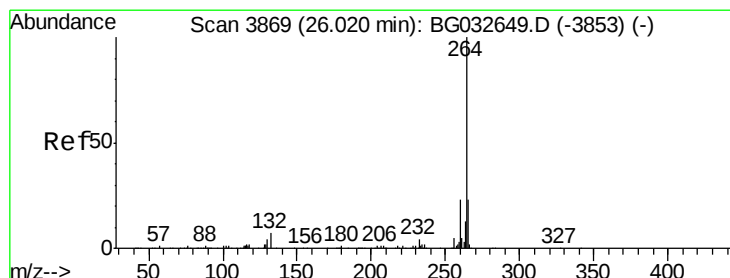
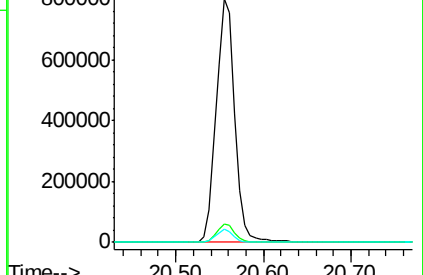
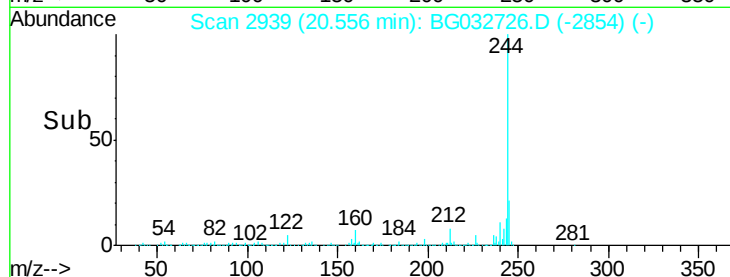
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	5.4	7.0	10.4



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: 20.00 ng

RT: 25.93 min Scan# 3854

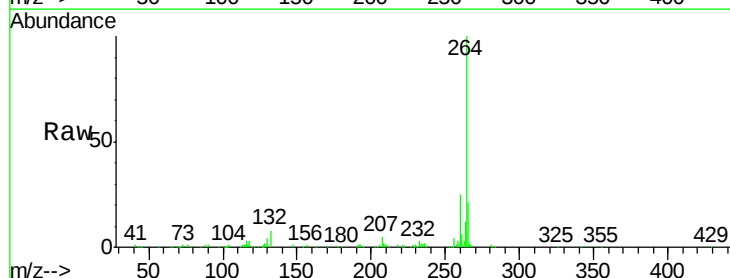
Delta R.T. -0.09 min

Lab File: BG032726.D

Acq: 15 Feb 2018 22:56

Tgt Ion:264 Resp: 235262

Ion	Ratio	Lower	Upper
264	100		
260	25.3	17.4	26.0
265	21.0	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

