

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032666.D
 Acq On : 13 Feb 2018 18:35
 Operator : SJ/JU
 Sample : J1398-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 03:06:50 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

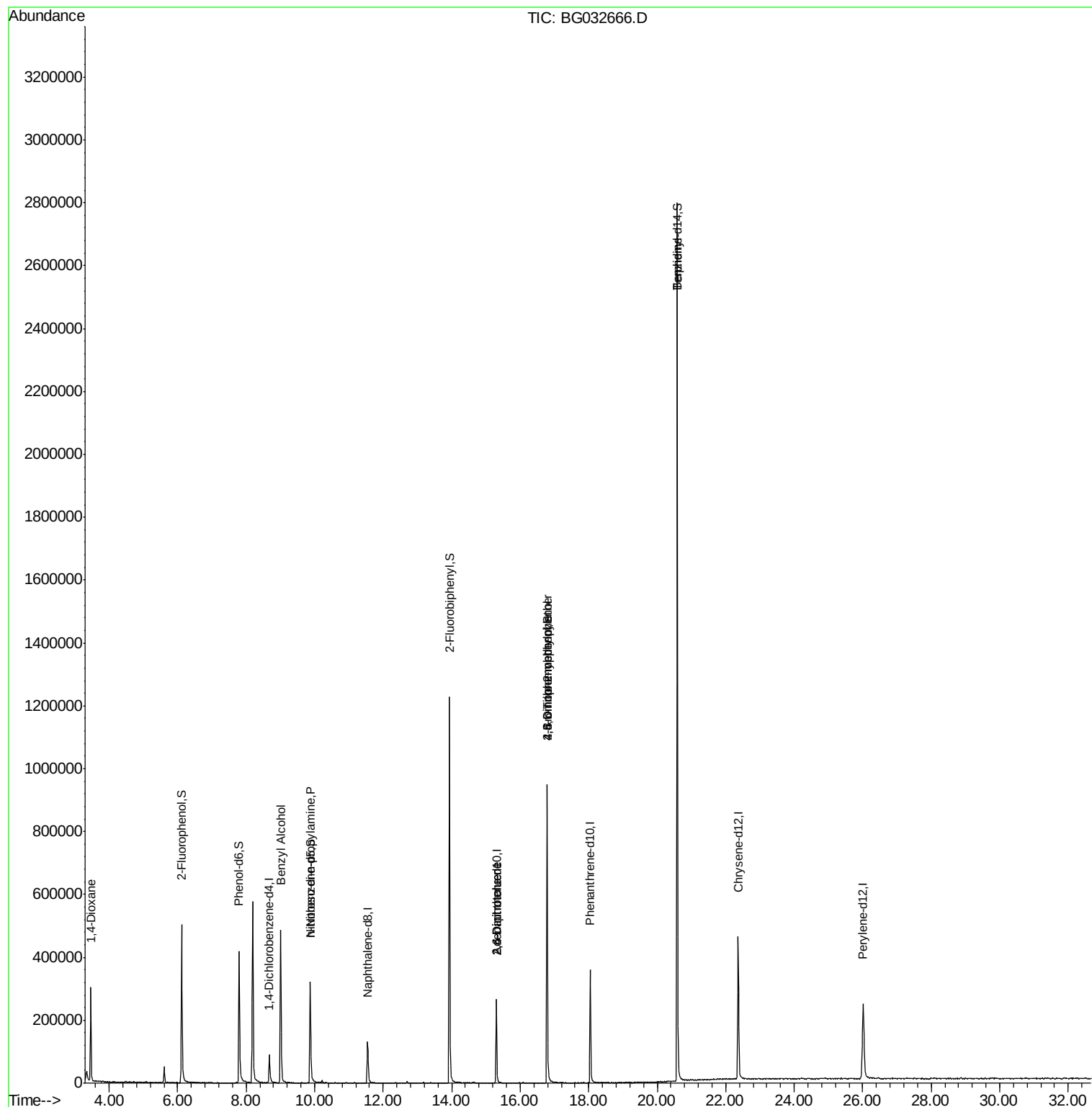
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.67	152	35501	20.00	ng	0.00
21) Naphthalene-d8	11.54	136	144547	20.00	ng	0.00
38) Acenaphthene-d10	15.31	164	106658	20.00	ng	0.00
63) Phenanthrene-d10	18.04	188	277309	20.00	ng	0.00
75) Chrysene-d12	22.37	240	357235	20.00	ng	0.00
86) Perylene-d12	26.02	264	364571	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	258371	146.02	ng	0.00
7) Phenol-d6	7.79	99	280034	115.74	ng	0.00
23) Nitrobenzene-d5	9.87	82	225932	99.34	ng	0.00
41) 2,4,6-Tribromophenol	16.79	330	216512	131.83	ng	0.00
44) 2-Fluorobiphenyl	13.93	172	785190	92.06	ng	0.00
78) Terphenyl-d14	20.59	244	1556269	99.29	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.47	88	3476	4.70	ng	# 1
15) Benzyl Alcohol	9.00	79	4712	2.60	ng	# 49
19) n-Nitroso-di-n-propylamine	9.87	70	33518	20.61	ng	# 77
50) 2,6-Dinitrotoluene	15.31	165	13750	7.24	ng	# 20
56) 2,4-Dinitrotoluene	15.31	165	13750	5.26	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.78	198	581	5.28	ng	# 1
66) 4-Bromophenyl-phenylether	16.79	248	19435	4.90	ng	# 1
76) Benzidine	20.59	184	23615	2.81	ng	# 93

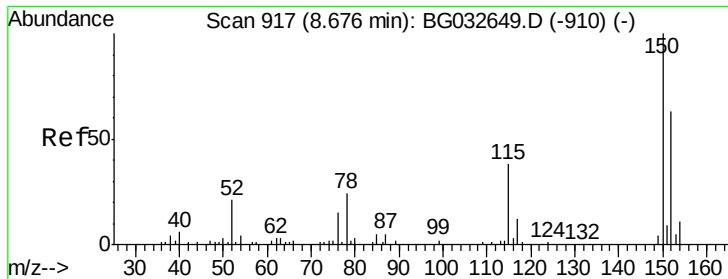
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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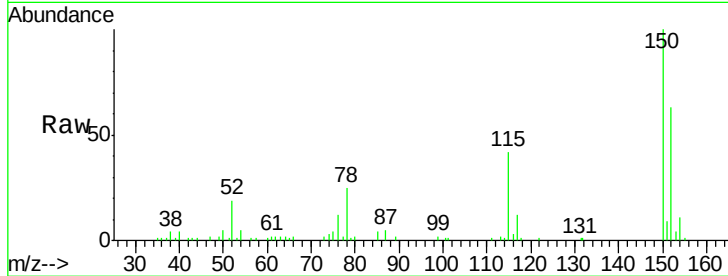


#1

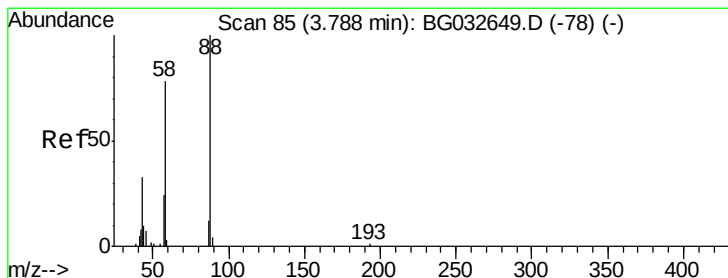
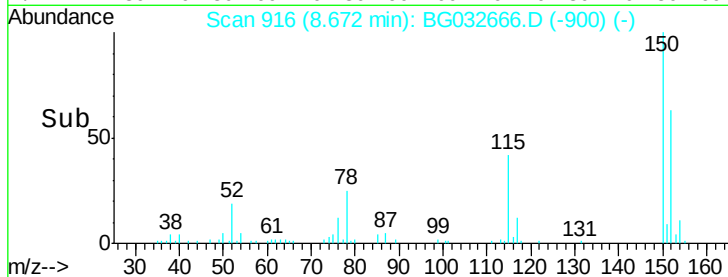
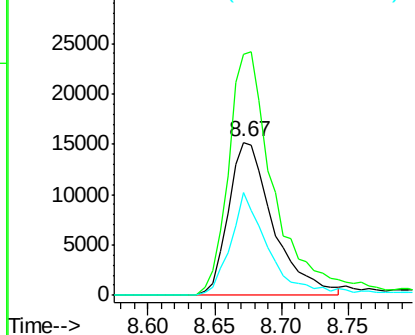
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.67 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BG032666.D
 Acq: 13 Feb 2018 18:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 35501
 Ion Ratio Lower Upper
 152 100
 150 157.9 126.6 189.8
 115 67.1 53.0 79.4



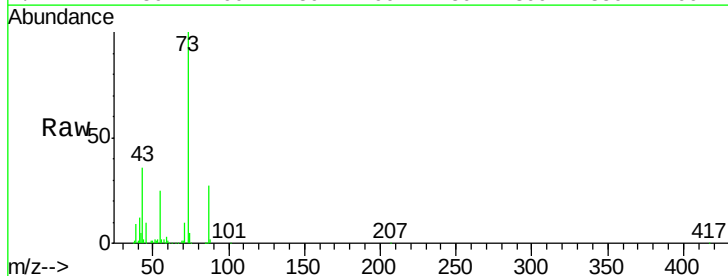
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



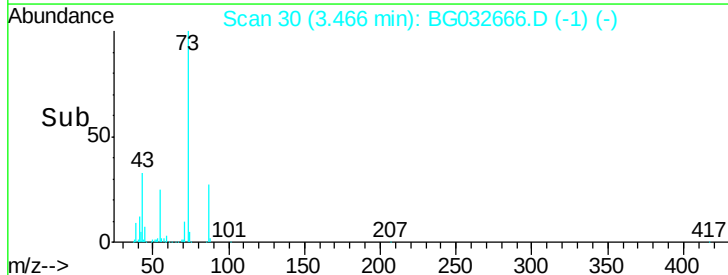
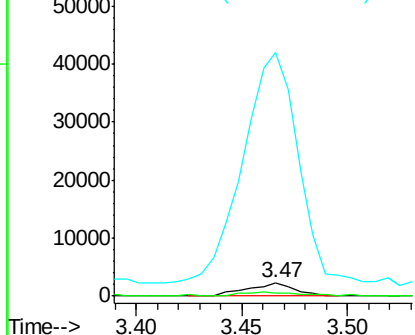
#2

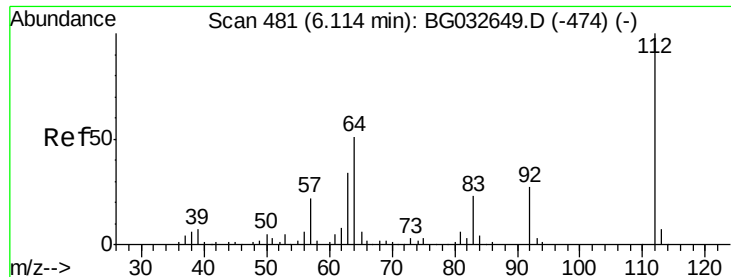
1,4-Dioxane
 Concen: 4.70 ng
 RT: 3.47 min Scan# 30
 Delta R.T. -0.32 min
 Lab File: BG032666.D
 Acq: 13 Feb 2018 18:35

Tgt Ion: 88 Resp: 3476
 Ion Ratio Lower Upper
 88 100
 58 37.3 79.6 119.4#
 43 2079.5 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: 146.02 ng

RT: 6.12 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG032666.D

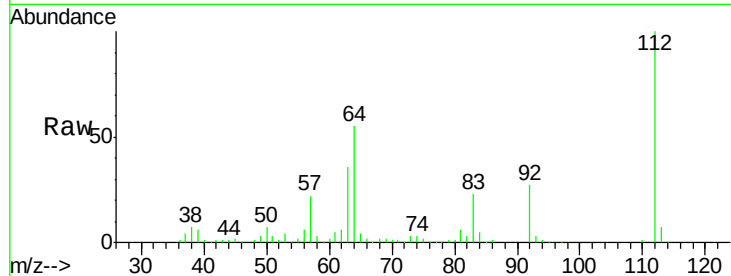
Acq: 13 Feb 2018 18:35

Instrument :

BNA_G

ClientSampled :

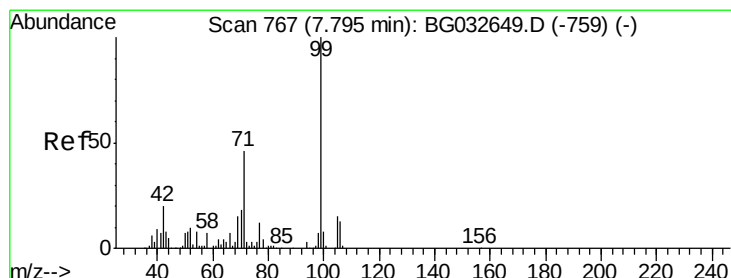
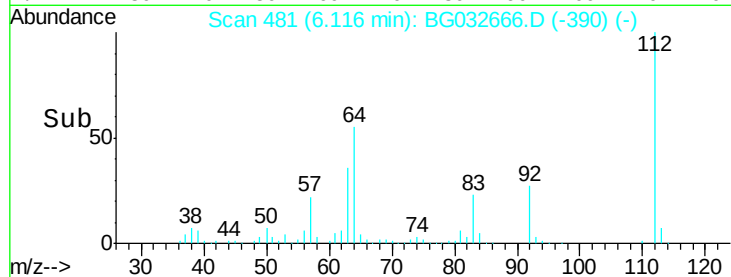
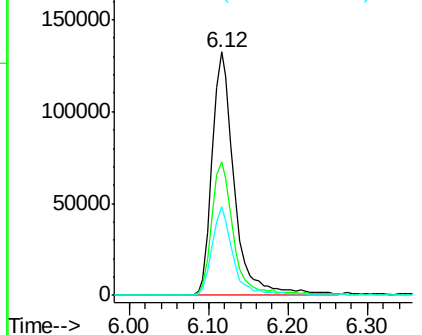
Tot Ion:	112	Resp:	258371
Ion Ratio	Lower	Upper	
112	100		
64	54.9	56.3	84.5#
63	36.3	30.1	45.1



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: 115.74 ng

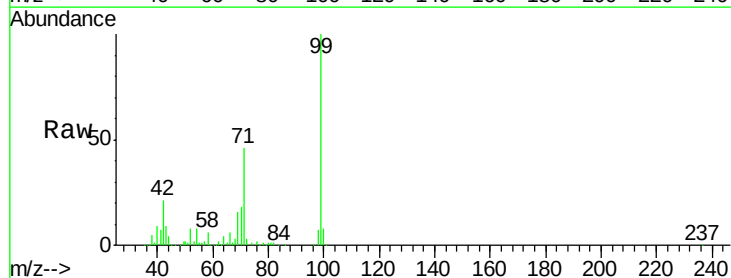
RT: 7.79 min Scan# 766

Delta R.T. -0.00 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

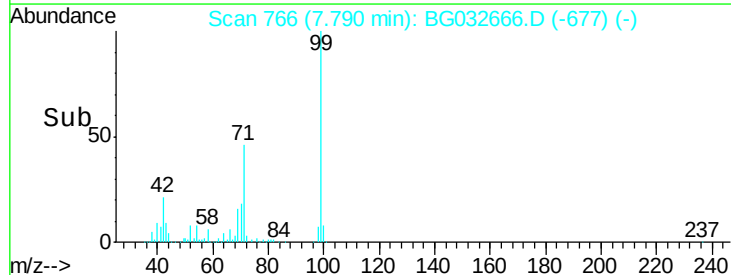
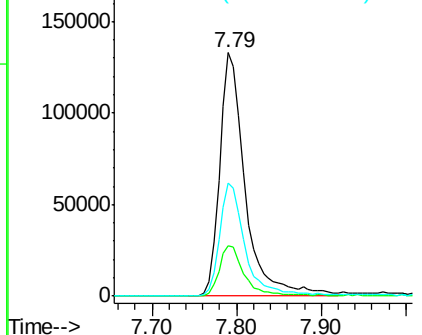
Tgt Ion:	99	Resp:	280034
Ion Ratio	Lower	Upper	
99	100		
42	20.8	14.1	21.1
71	46.5	26.1	39.1#

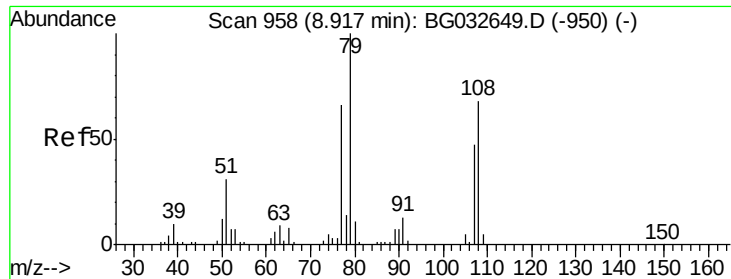


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.60 ng

RT: 9.00 min Scan# 972

Delta R.T. 0.08 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

Instrument :

BNA_G

ClientSampleId :

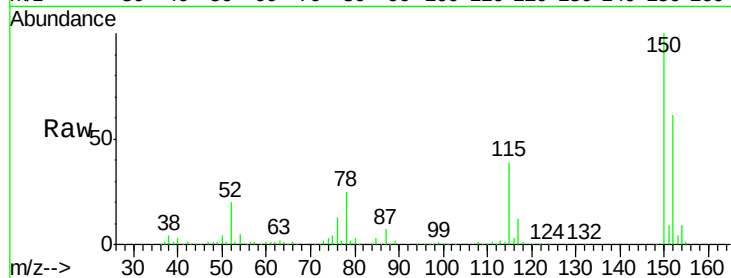
Tot Ion: 79 Resp: 4712

Ion Ratio Lower Upper

79 100

108 30.6 57.2 85.8#

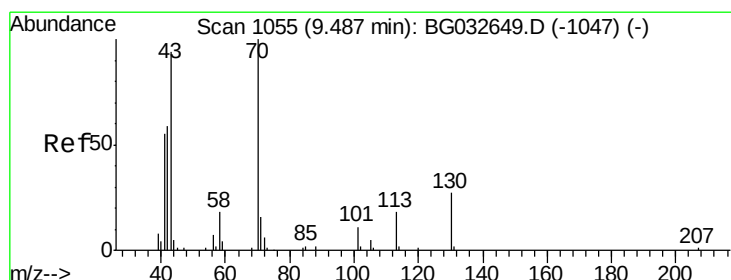
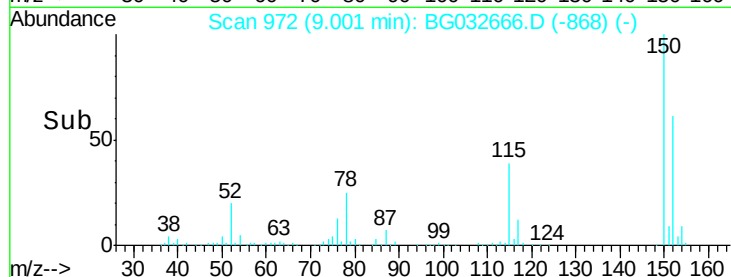
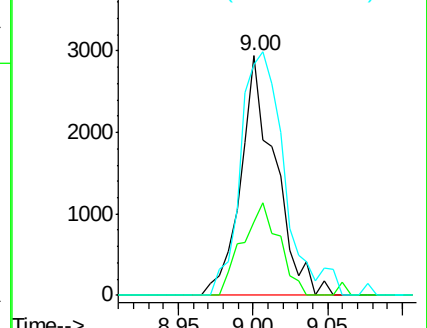
77 96.2 46.1 69.1#



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: 20.61 ng

RT: 9.87 min Scan# 1120

Delta R.T. 0.38 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

Tgt Ion: 70 Resp: 33518

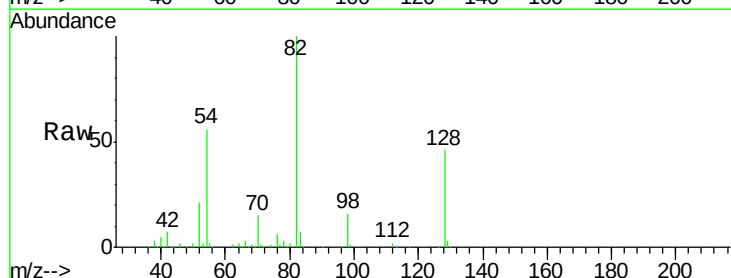
Ion Ratio Lower Upper

70 100

42 47.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

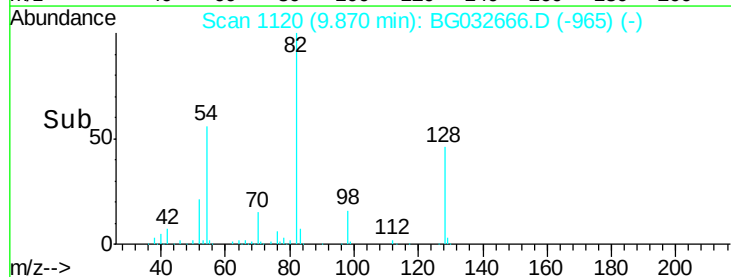
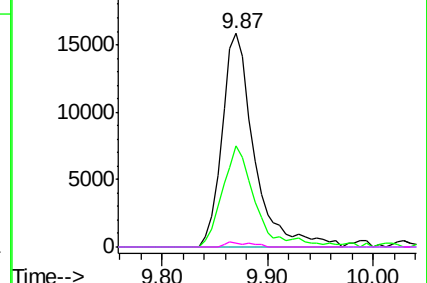


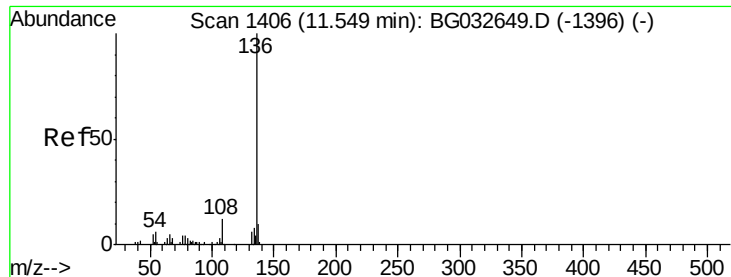
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.54 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 144547

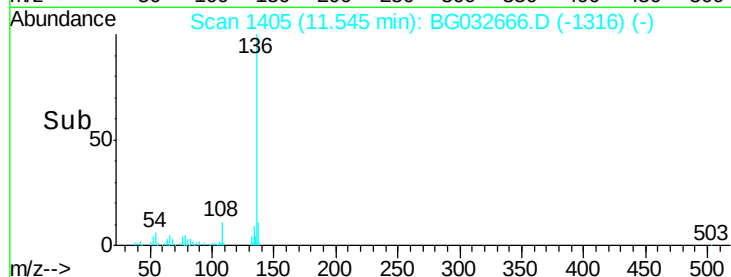
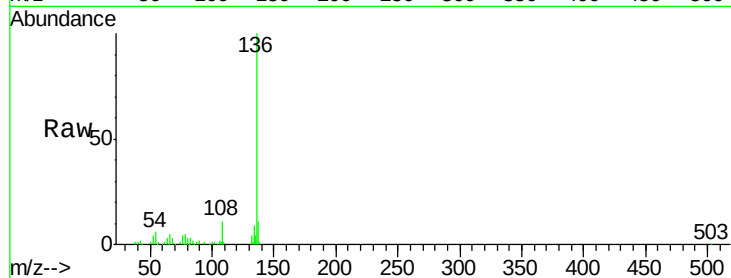
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 5.8 10.3 15.5#

68 2.5 4.5 6.7#

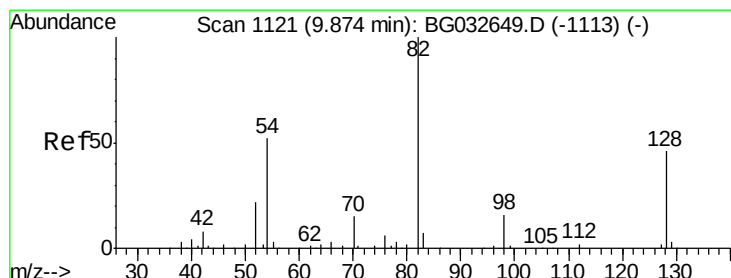
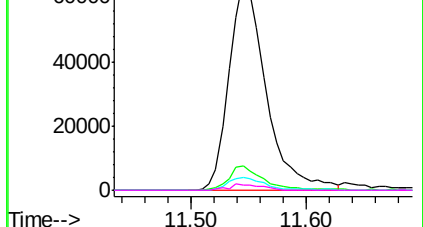


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 99.34 ng

RT: 9.87 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

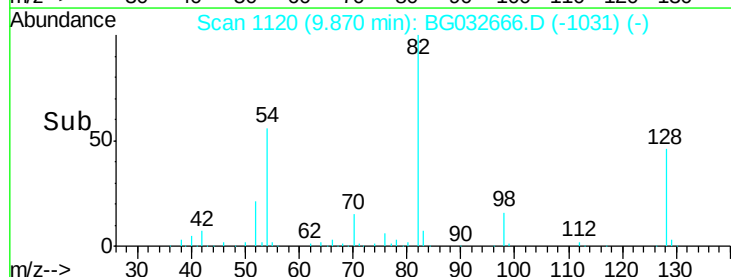
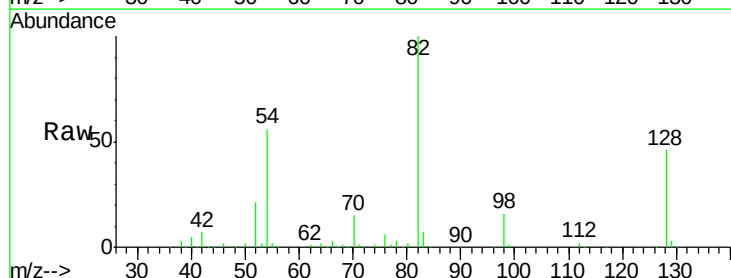
Tgt Ion: 82 Resp: 225932

Ion Ratio Lower Upper

82 100

128 45.6 29.7 44.5#

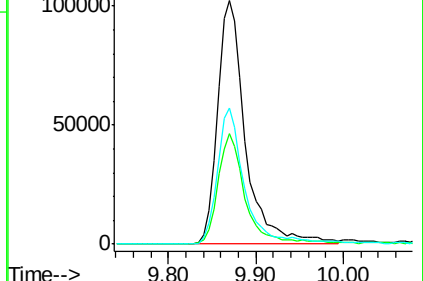
54 55.7 43.1 64.7

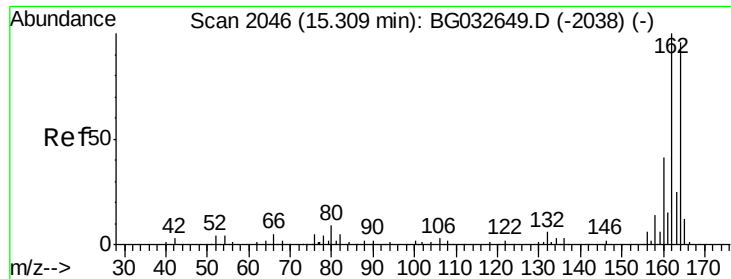


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.31 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

Instrument :

BNA_G

ClientSampleId :

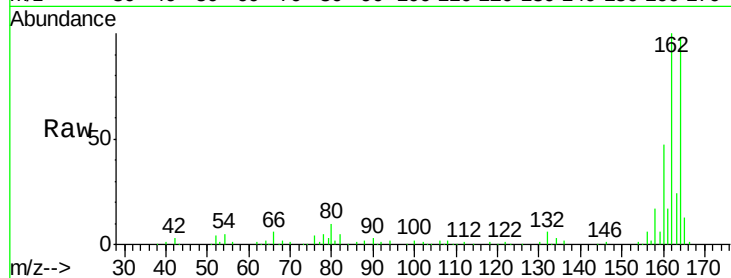
Tot Ion:164 Resp: 106658

Ion Ratio Lower Upper

164 100

162 102.2 78.8 118.2

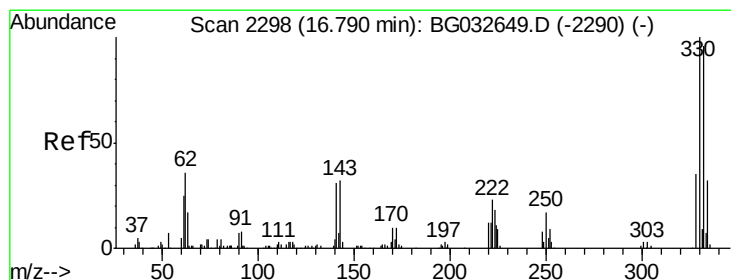
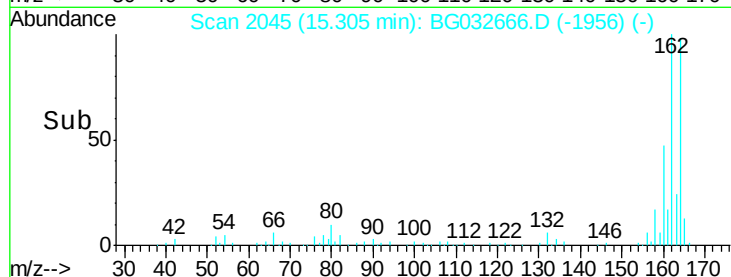
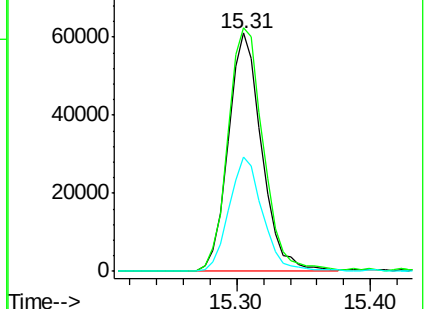
160 48.0 35.4 53.0



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: 131.83 ng

RT: 16.79 min Scan# 2297

Delta R.T. -0.00 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

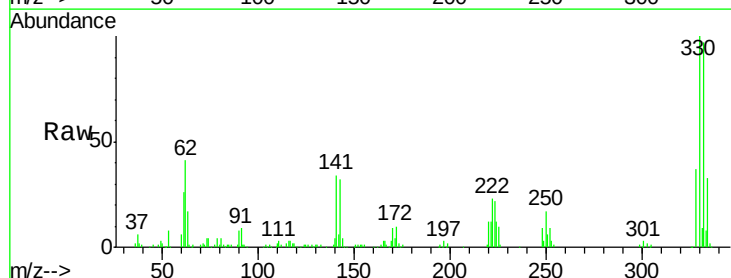
Tgt Ion:330 Resp: 216512

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

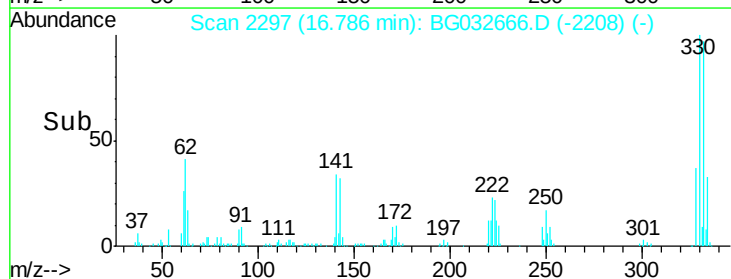
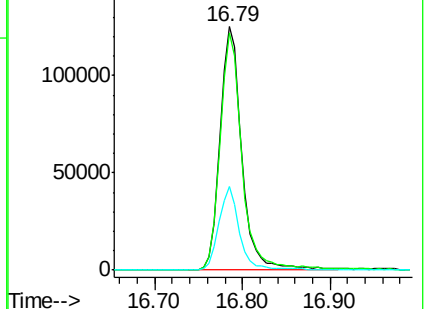
141 31.9 25.2 37.8

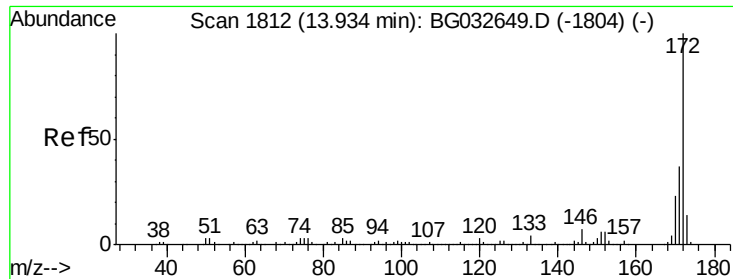


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

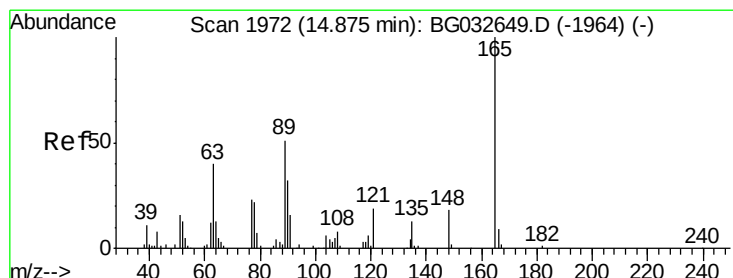
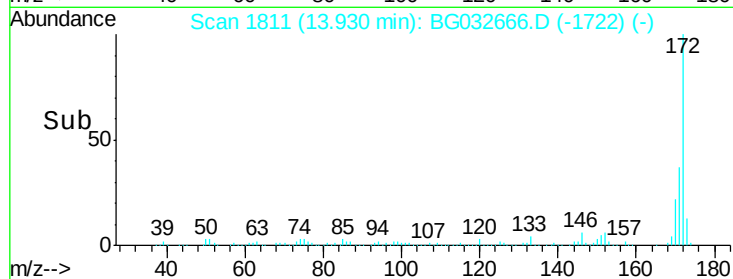
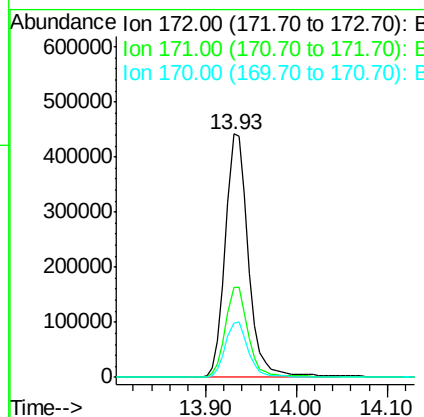
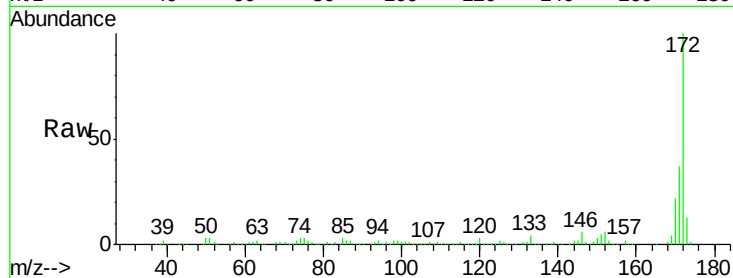




#44
 2-Fluorobiphenyl
 Concen: 92.06 ng
 RT: 13.93 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: BG032666.D
 Acq: 13 Feb 2018 18:35

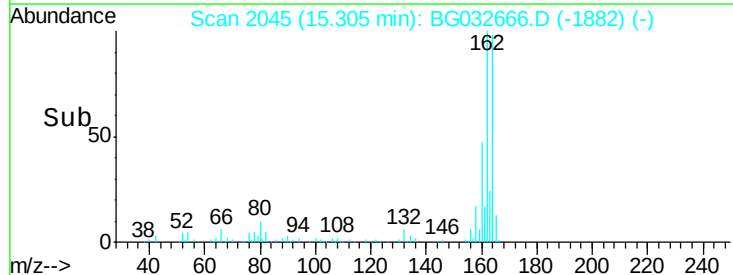
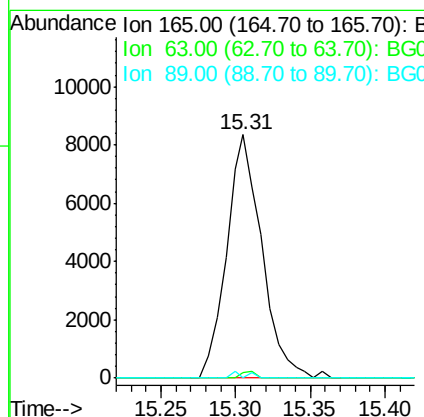
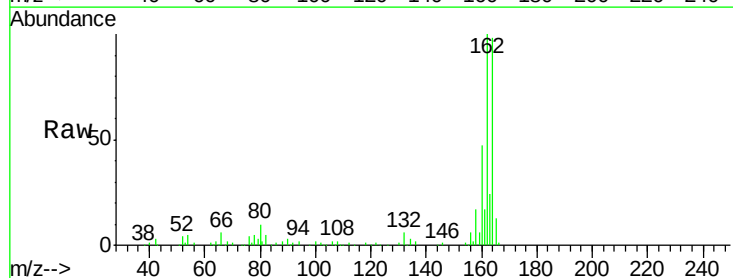
Instrument :
 BNA_G
 ClientSampled :

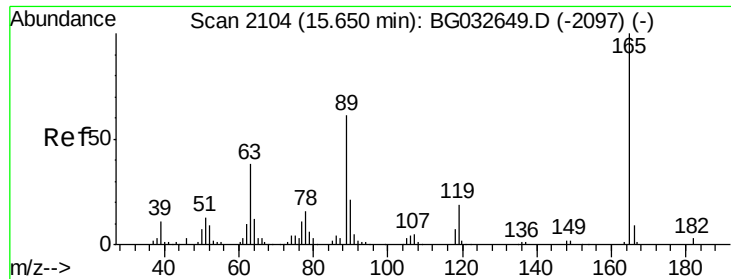
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	22.3	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.24 ng
 RT: 15.31 min Scan# 2045
 Delta R.T. 0.43 min
 Lab File: BG032666.D
 Acq: 13 Feb 2018 18:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	52.7	79.1#
89	0.0	49.2	73.8#

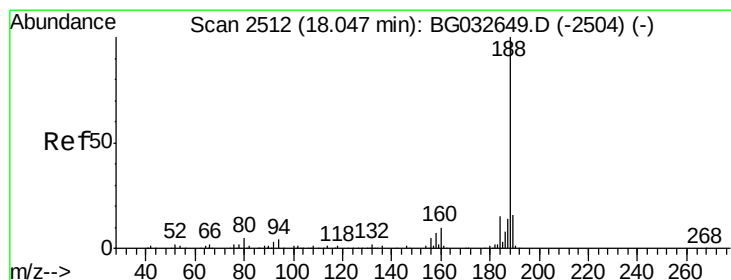
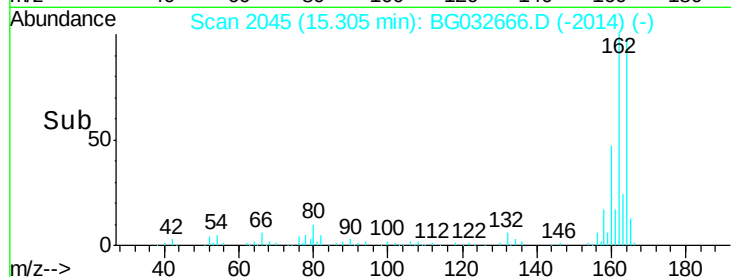
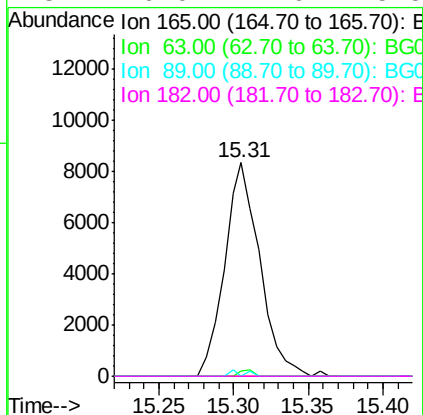
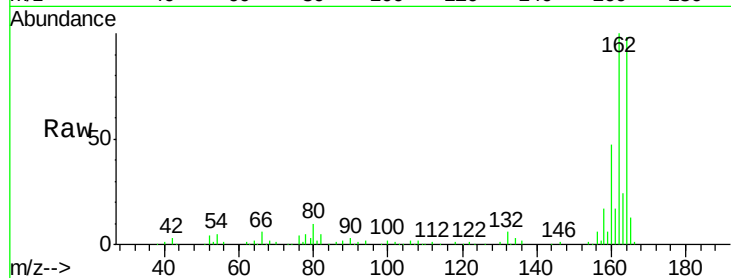




#56
 2,4-Dinitrotoluene
 Concen: 5.26 ng
 RT: 15.31 min Scan# 2045
 Delta R.T. -0.34 min
 Lab File: BG032666.D
 Acq: 13 Feb 2018 18:35

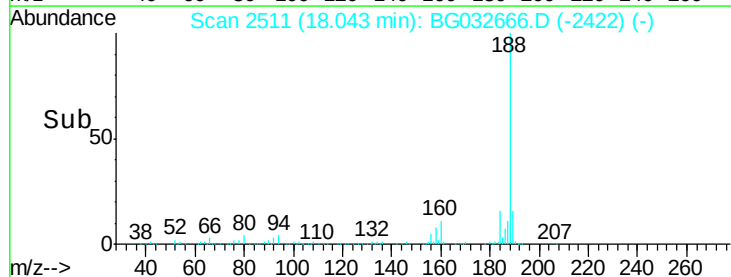
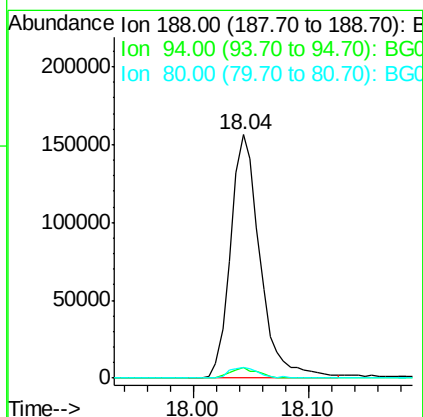
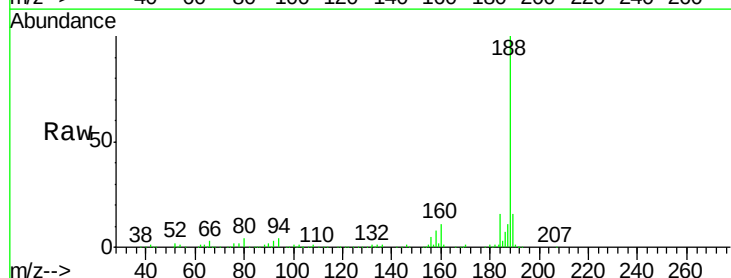
Instrument :
 BNA_G
 ClientSampleId :

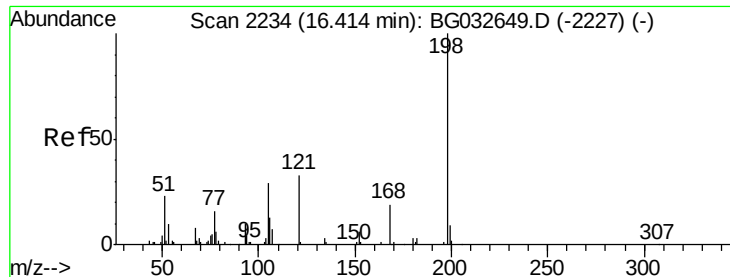
Tot Ion:165 Resp: 13750
 Ion Ratio Lower Upper
 165 100
 63 2.4 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.04 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: BG032666.D
 Acq: 13 Feb 2018 18:35

Tgt Ion:188 Resp: 277309
 Ion Ratio Lower Upper
 188 100
 94 4.5 6.9 10.3#
 80 4.5 7.7 11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.28 ng

RT: 16.78 min Scan# 2296

Delta R.T. 0.37 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

Instrument :

BNA_G

ClientSampled :

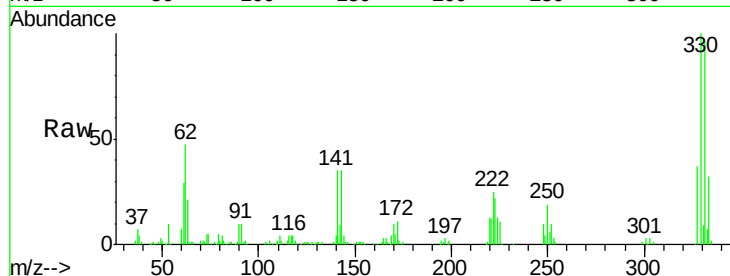
Tot Ion:198 Resp: 581

Ion Ratio Lower Upper

198 100

51 119.3 30.6 70.6#

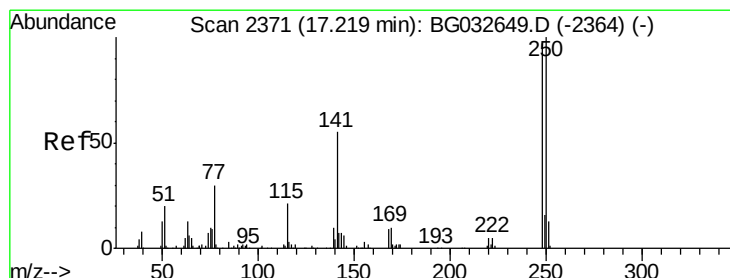
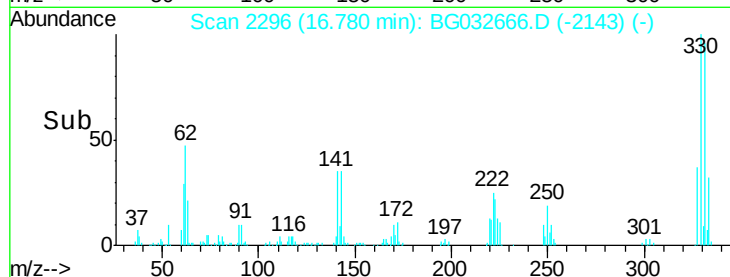
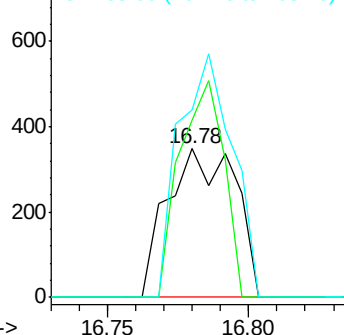
105 125.9 23.8 63.8#



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: 4.90 ng

RT: 16.79 min Scan# 2297

Delta R.T. -0.43 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

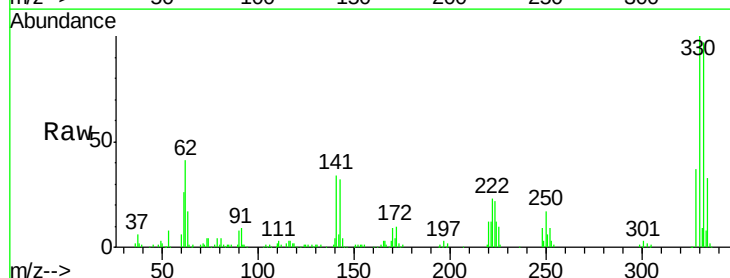
Tgt Ion:248 Resp: 19435

Ion Ratio Lower Upper

248 100

250 197.9 77.1 115.7#

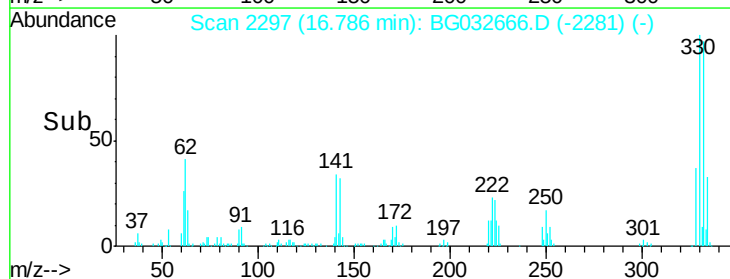
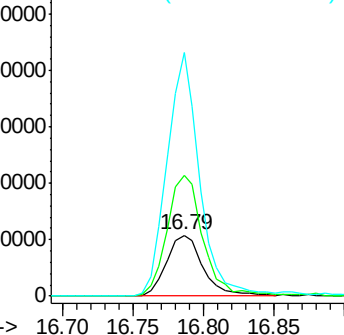
141 398.5 50.8 76.2#

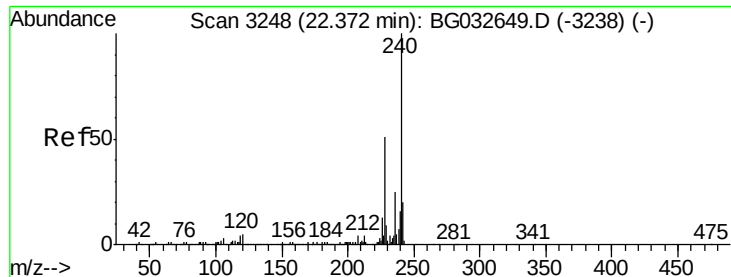


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.37 min Scan# 3247

Delta R.T. -0.00 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

Instrument :

BNA_G

ClientSampleId :

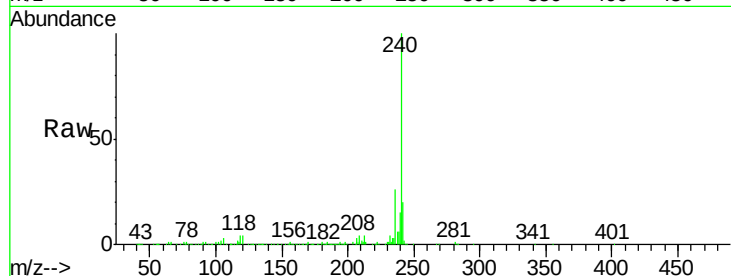
Tot Ion:240 Resp: 357235

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

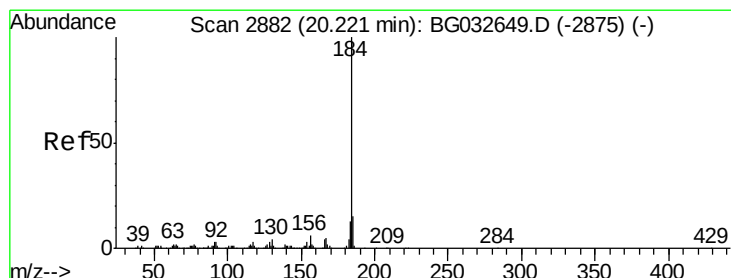
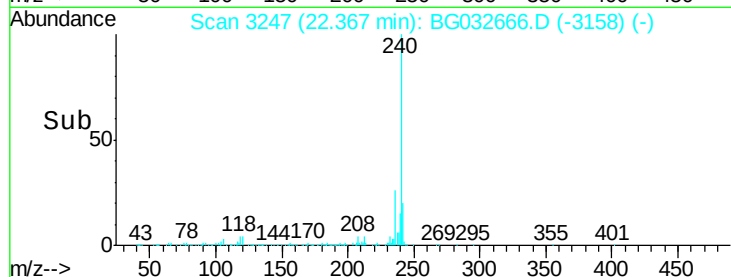
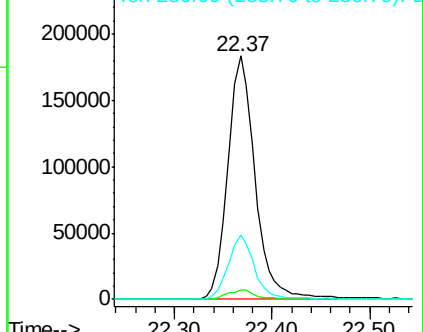
236 26.5 20.9 31.3



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: 2.81 ng

RT: 20.59 min Scan# 2944

Delta R.T. 0.37 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

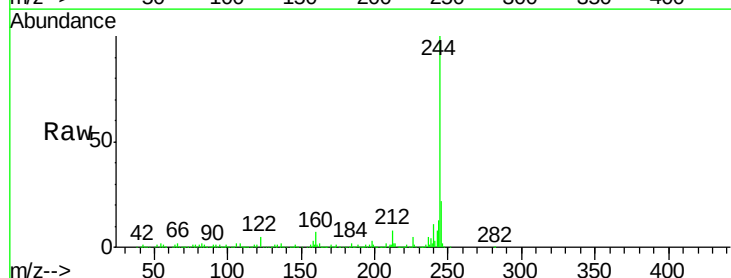
Tgt Ion:184 Resp: 23615

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

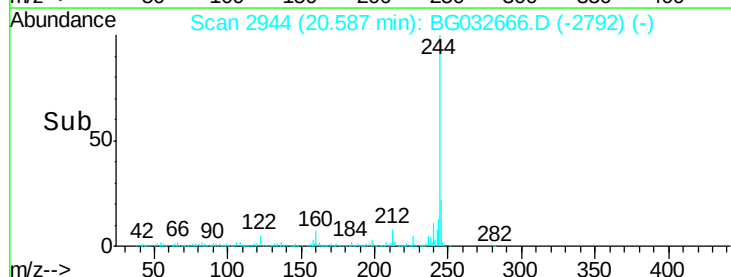
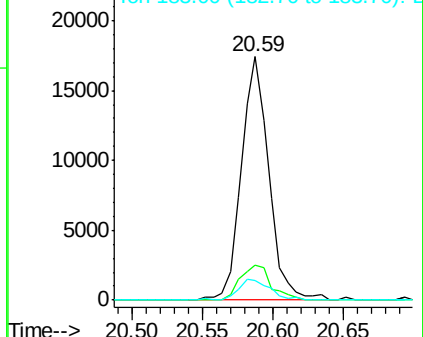
183 8.2 10.6 16.0#

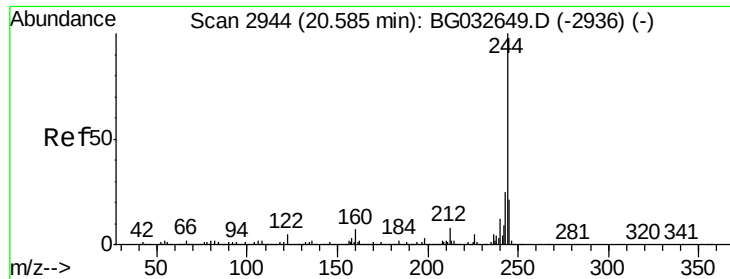


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.29 ng

RT: 20.59 min Scan# 2944

Delta R.T. 0.00 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

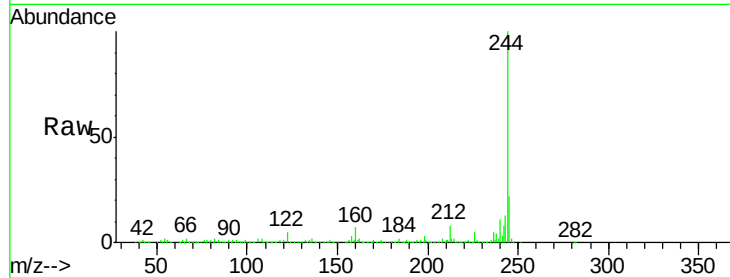
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1556269

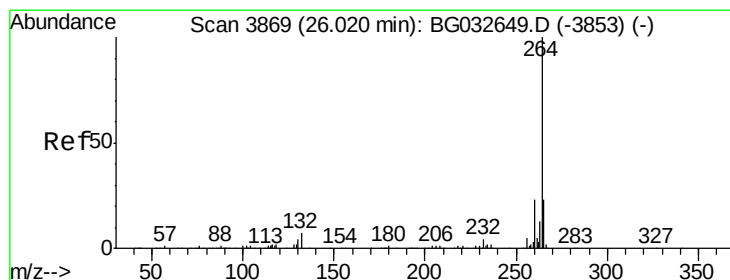
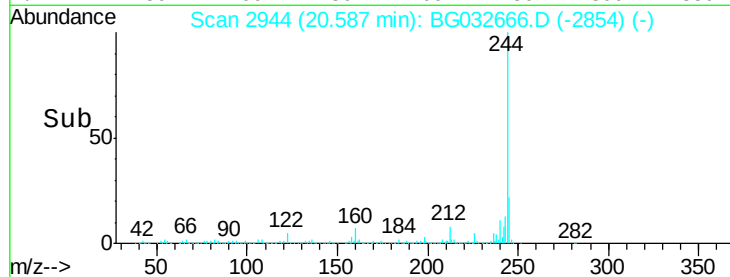
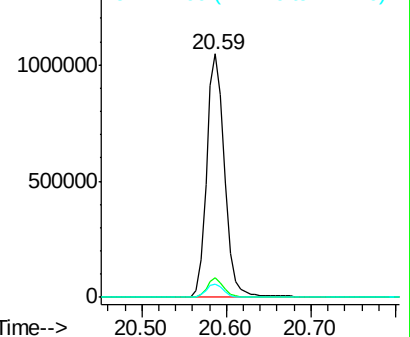
Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	5.4	7.0	10.4



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: 26.02 min Scan# 3868

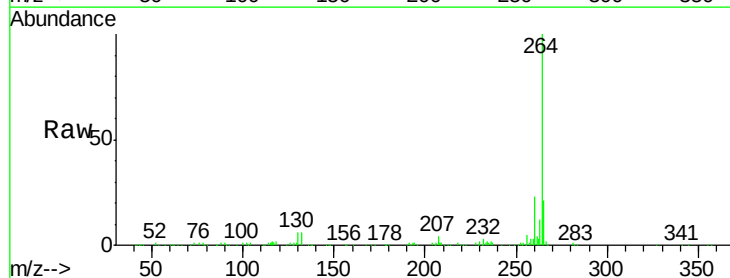
Delta R.T. -0.00 min

Lab File: BG032666.D

Acq: 13 Feb 2018 18:35

Tgt Ion:264 Resp: 364571

Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	21.4	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

