

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032665.D
 Acq On : 13 Feb 2018 17:57
 Operator : SJ/JU
 Sample : J1517-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 03:06:35 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	33476	20.00	ng	0.00
21) Naphthalene-d8	11.55	136	143540	20.00	ng	0.00
38) Acenaphthene-d10	15.31	164	99332	20.00	ng	0.00
63) Phenanthrene-d10	18.04	188	269039	20.00	ng	0.00
75) Chrysene-d12	22.37	240	346949	20.00	ng	0.00
86) Perylene-d12	26.01	264	355478	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.12	112	279852	167.73	ng	0.00
7) Phenol-d6	7.79	99	322584	141.39	ng	0.00
23) Nitrobenzene-d5	9.87	82	249867	110.63	ng	0.00
41) 2,4,6-Tribromophenol	16.79	330	231708	151.49	ng	0.00
44) 2-Fluorobiphenyl	13.93	172	840039	105.76	ng	0.00
78) Terphenyl-d14	20.59	244	1670239	109.72	ng	0.00

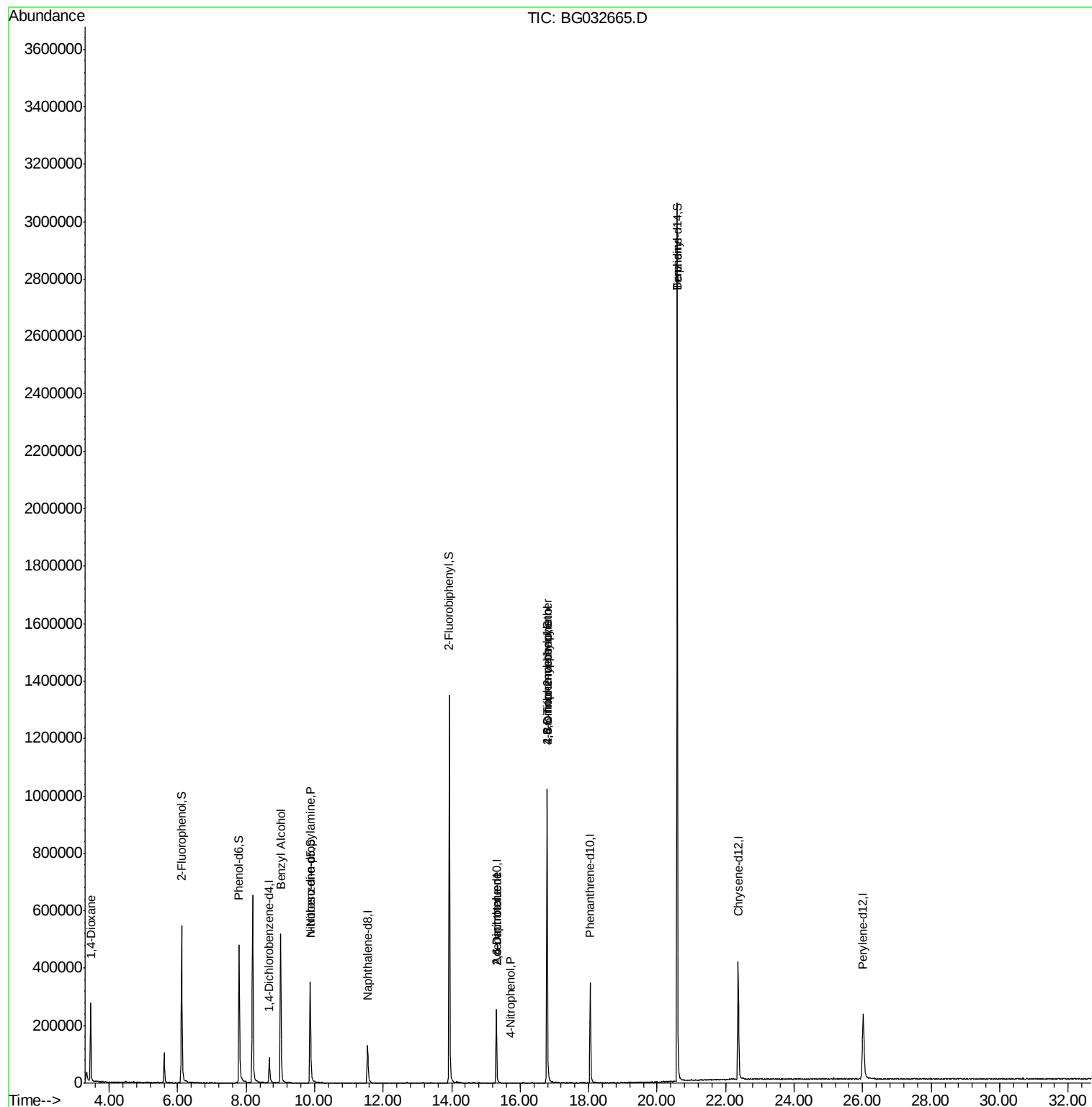
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	3496	5.01	ng	# 1
15) Benzyl Alcohol	9.01	79	4532	2.65	ng	# 58
19) n-Nitroso-di-n-propylamine	9.87	70	35666	23.25	ng	# 73
50) 2,6-Dinitrotoluene	15.31	165	13618	7.70	ng	# 18
55) 4-Nitrophenol	15.71	139	102	5.57	ng	# 1
56) 2,4-Dinitrotoluene	15.31	165	13618	5.59	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.79	198	851	5.41	ng	# 75
66) 4-Bromophenyl-phenylether	16.79	248	20464	5.31	ng	# 1
76) Benzidine	20.59	184	25697	3.15	ng	# 90

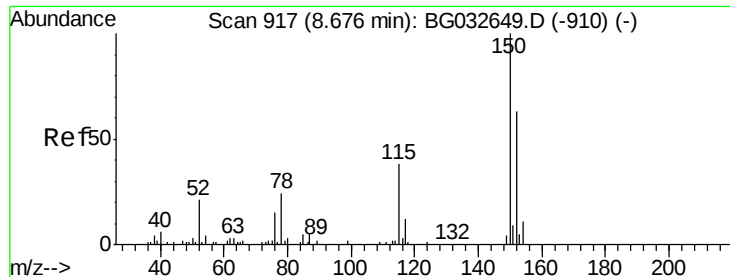
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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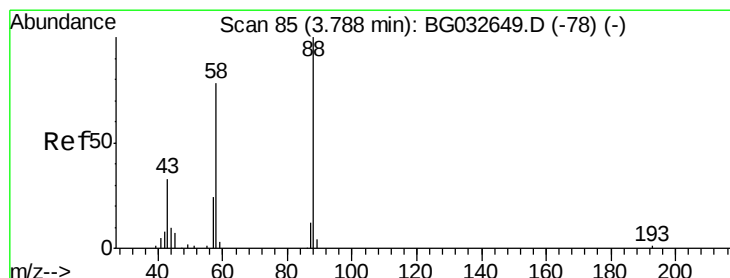
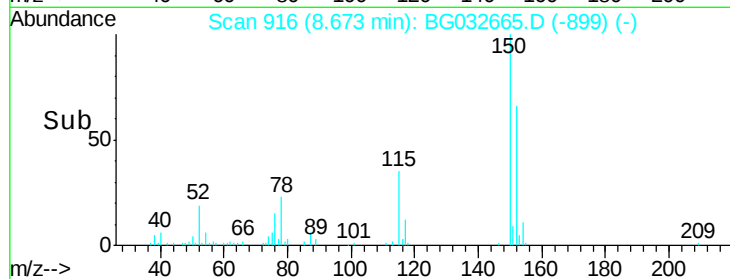
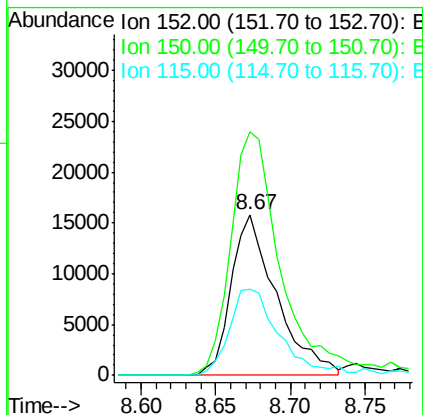
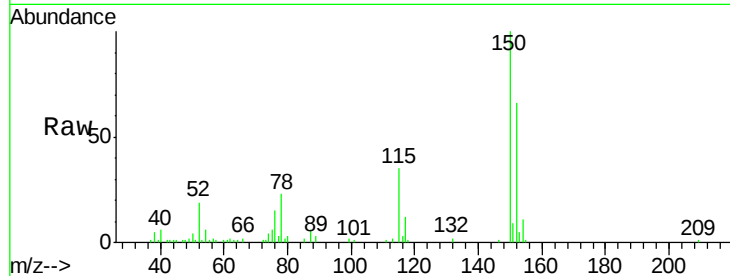


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.67 min Scan# 916
Delta R.T. -0.00 min
Lab File: BG032665.D
Acq: 13 Feb 2018 17:57

Instrument :
BNA_G
ClientSampleId :

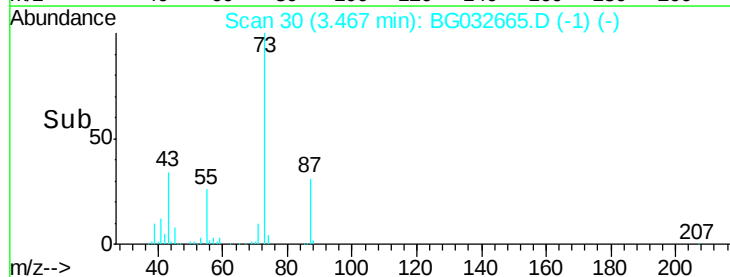
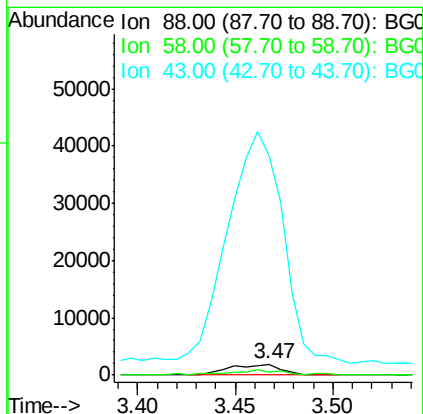
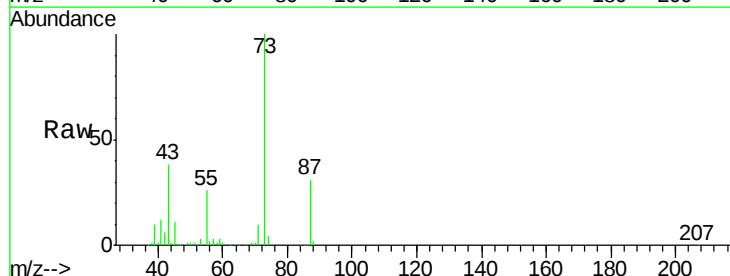
Tot Ion:152 Resp: 33476
Ion Ratio Lower Upper
152 100
150 151.8 126.6 189.8
115 53.9 53.0 79.4

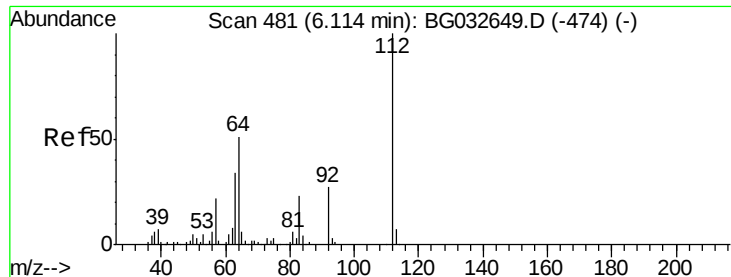


#2

1,4-Dioxane
Concen: 5.01 ng
RT: 3.47 min Scan# 30
Delta R.T. -0.32 min
Lab File: BG032665.D
Acq: 13 Feb 2018 17:57

Tgt Ion: 88 Resp: 3496
Ion Ratio Lower Upper
88 100
58 50.5 79.6 119.4#
43 2323.7 27.4 41.0#





#5

2-Fluorophenol

Concen: 167.73 ng

RT: 6.12 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG032665.D

Acq: 13 Feb 2018 17:57

Instrument :

BNA_G

ClientSampleId :

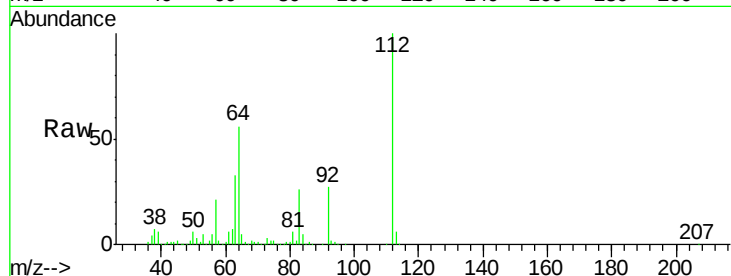
Tot Ion:112 Resp: 279852

Ion Ratio Lower Upper

112 100

64 56.2 56.3 84.5#

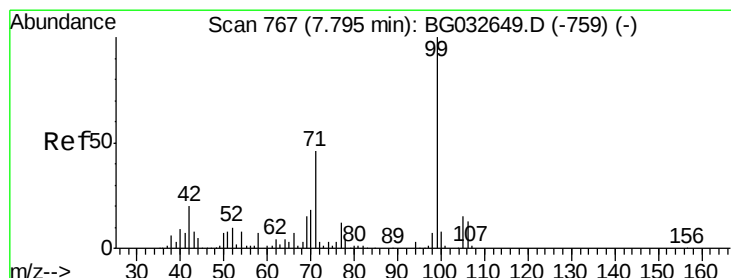
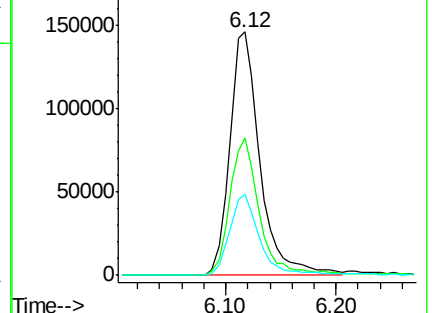
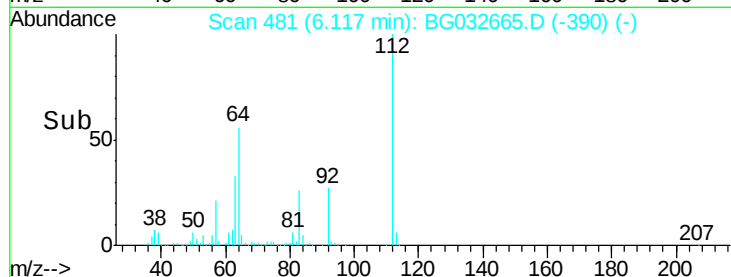
63 33.4 30.1 45.1



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: 141.39 ng

RT: 7.79 min Scan# 766

Delta R.T. -0.00 min

Lab File: BG032665.D

Acq: 13 Feb 2018 17:57

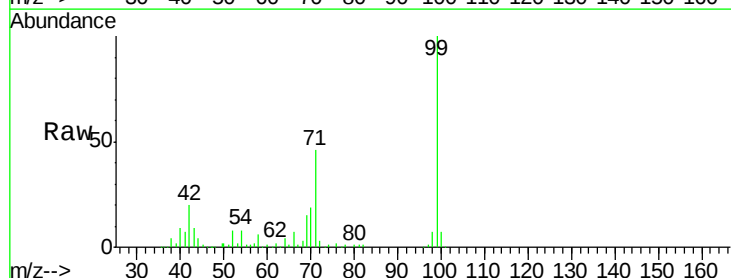
Tgt Ion: 99 Resp: 322584

Ion Ratio Lower Upper

99 100

42 20.2 14.1 21.1

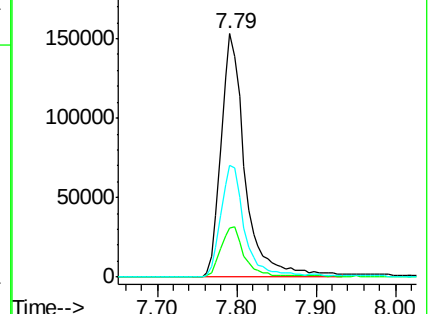
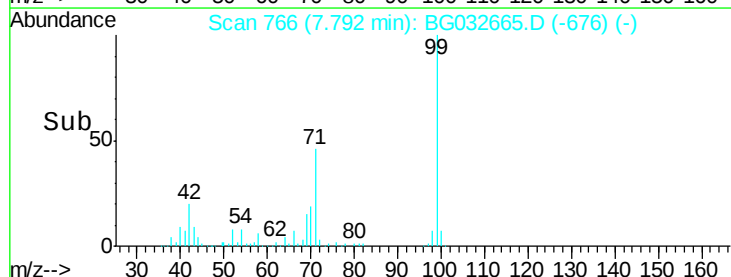
71 46.2 26.1 39.1#

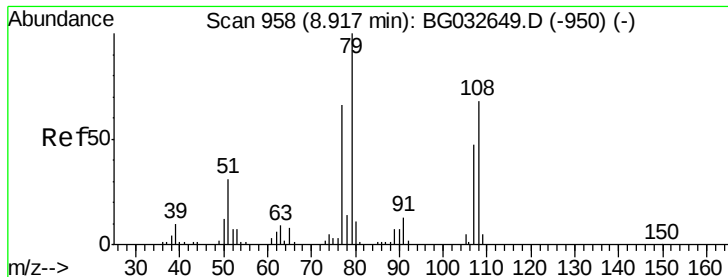


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.65 ng

RT: 9.01 min Scan# 974

Delta R.T. 0.10 min

Lab File: BG032665.D

Acq: 13 Feb 2018 17:57

Instrument :

BNA_G

ClientSampleId :

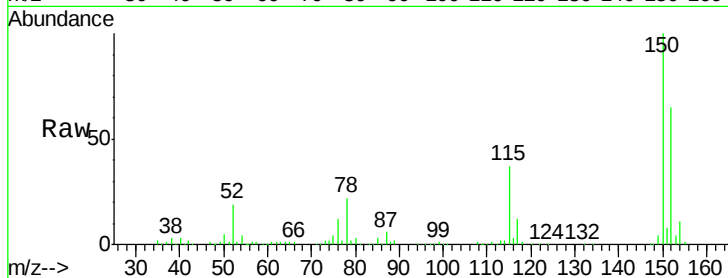
Tot Ion: 79 Resp: 4532

Ion Ratio Lower Upper

79 100

108 46.0 57.2 85.8#

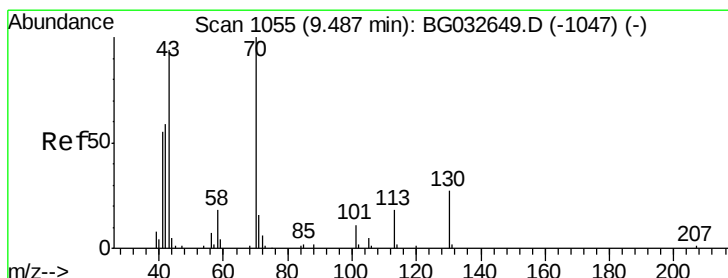
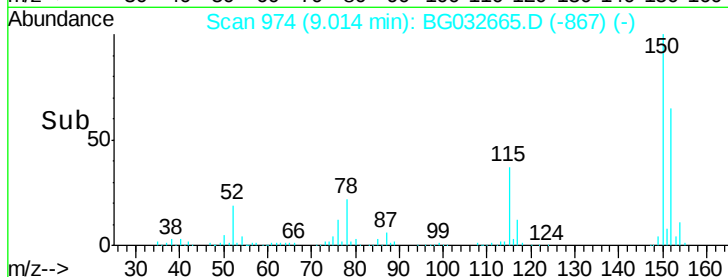
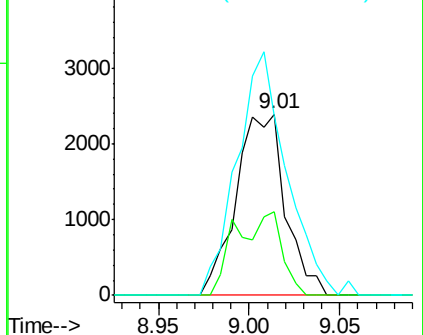
77 99.0 46.1 69.1#



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: 23.25 ng

RT: 9.87 min Scan# 1120

Delta R.T. 0.38 min

Lab File: BG032665.D

Acq: 13 Feb 2018 17:57

Tgt Ion: 70 Resp: 35666

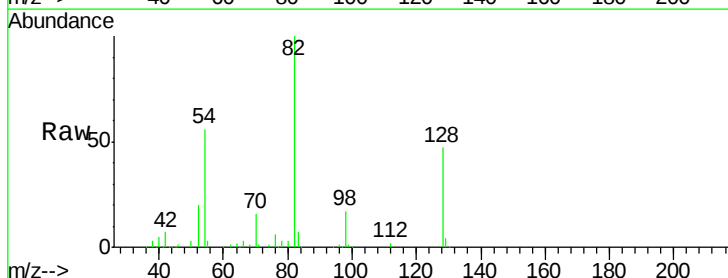
Ion Ratio Lower Upper

70 100

42 42.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

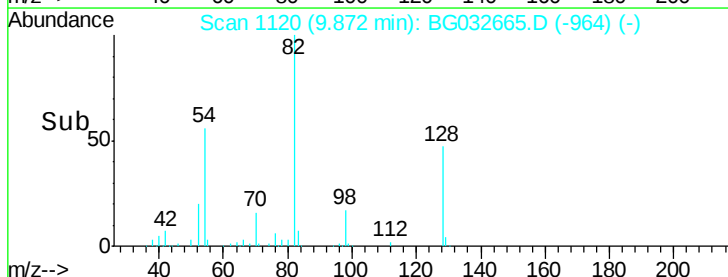
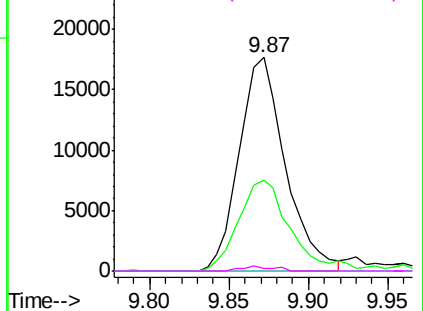


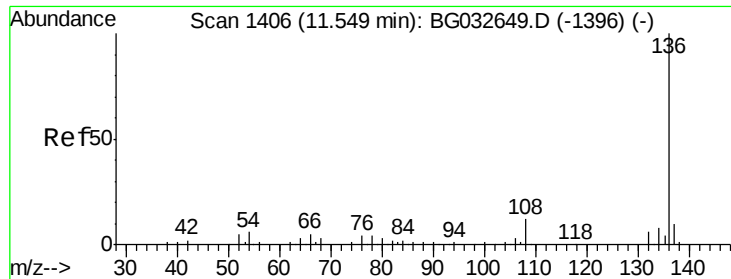
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

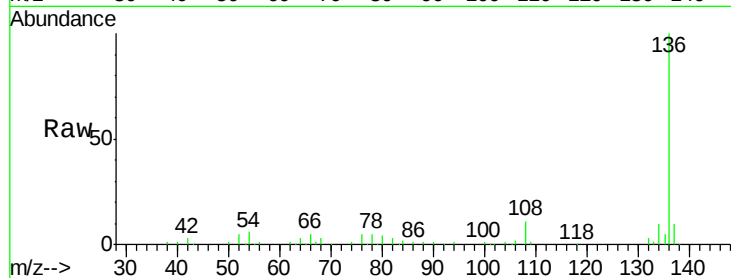




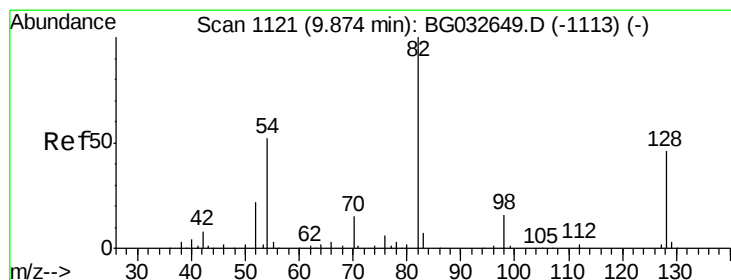
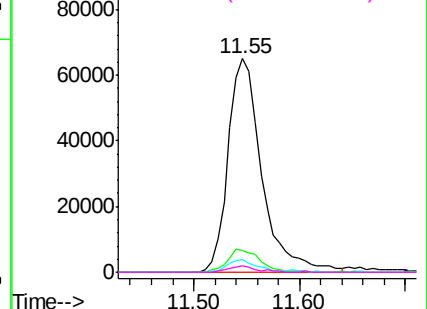
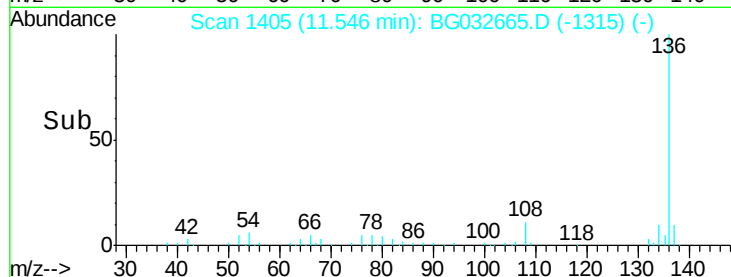
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.55 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BG032665.D
Acq: 13 Feb 2018 17:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	143540
Ion	Ratio	Lower Upper
136	100	
137	10.3	9.2 13.8
54	6.1	10.3 15.5#
68	2.9	4.5 6.7#

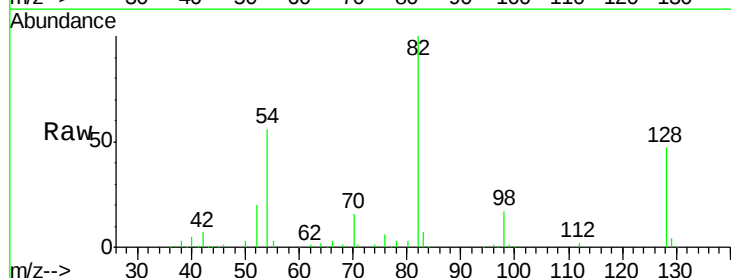


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

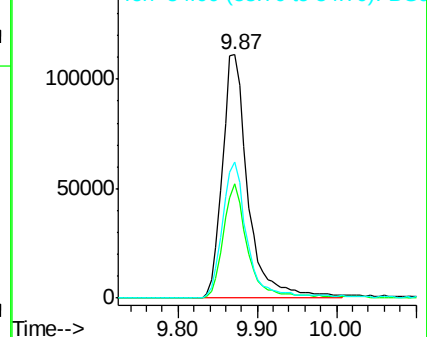
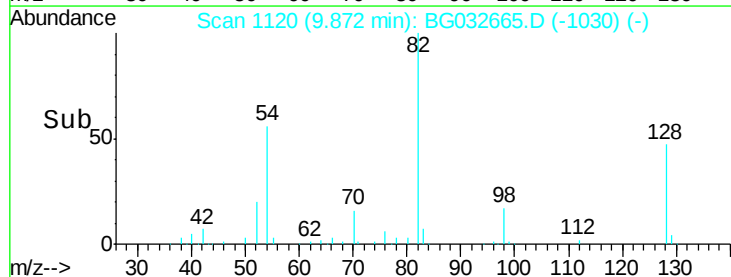


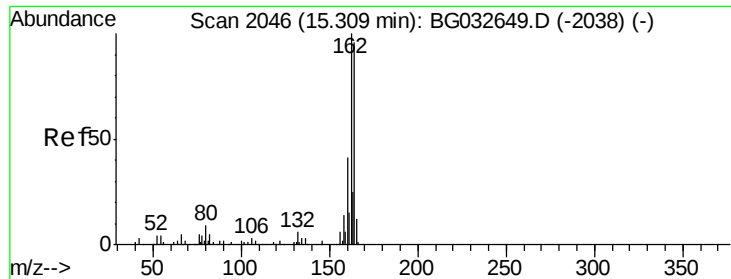
#23
Nitrobenzene-d5
Concen: 110.63 ng
RT: 9.87 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BG032665.D
Acq: 13 Feb 2018 17:57

Tgt Ion: 82	Resp:	249867
Ion	Ratio	Lower Upper
82	100	
128	46.8	29.7 44.5#
54	56.1	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: BG032665.D

Acq: 13 Feb 2018 17:57

Instrument :

BNA_G

ClientSampleId :

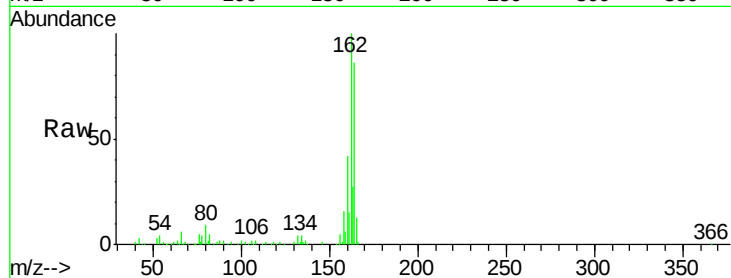
Tot Ion:164 Resp: 99332

Ion Ratio Lower Upper

164 100

162 116.7 78.8 118.2

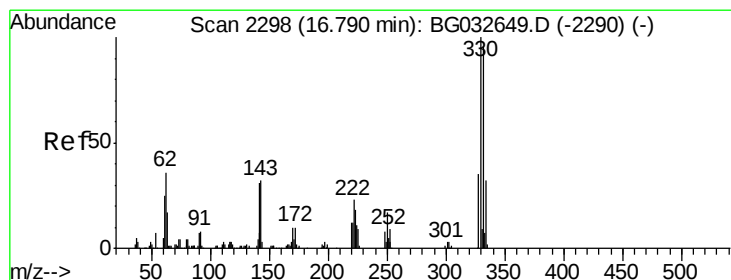
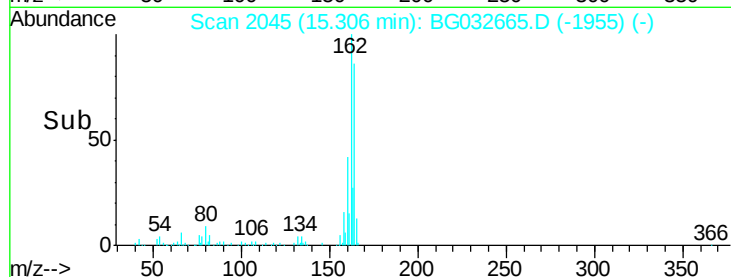
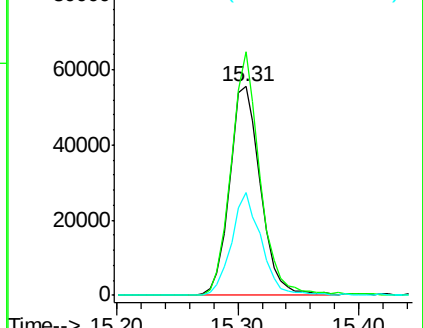
160 49.3 35.4 53.0



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: 151.49 ng

RT: 16.79 min Scan# 2297

Delta R.T. -0.00 min

Lab File: BG032665.D

Acq: 13 Feb 2018 17:57

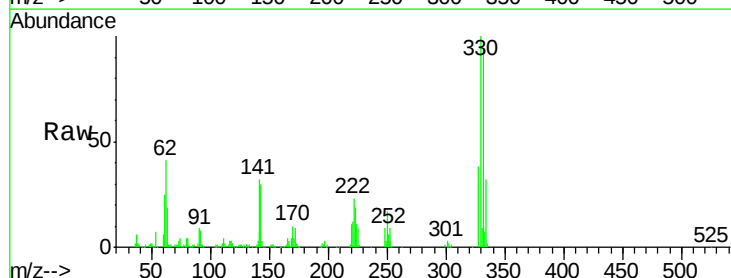
Tgt Ion:330 Resp: 231708

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

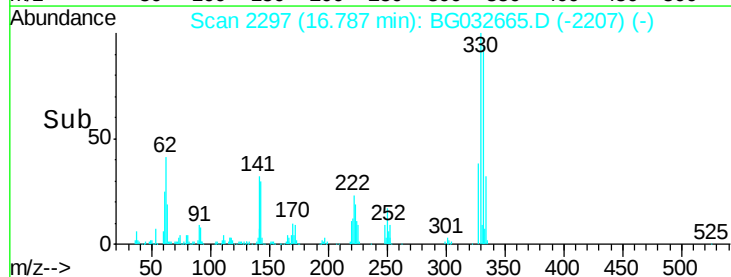
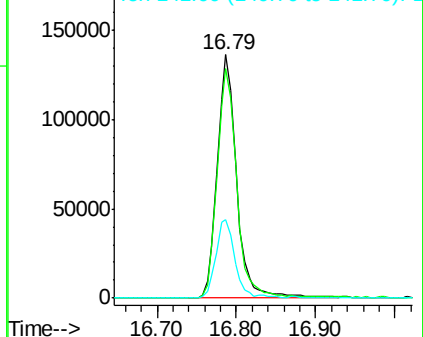
141 32.0 25.2 37.8

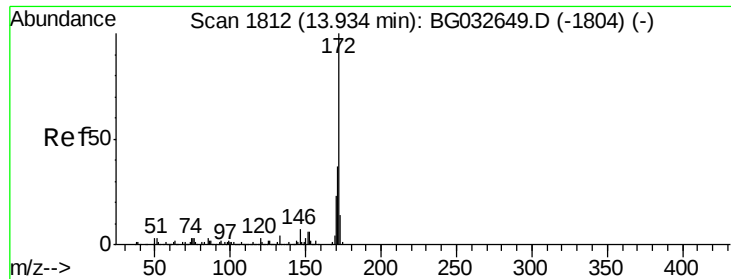


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

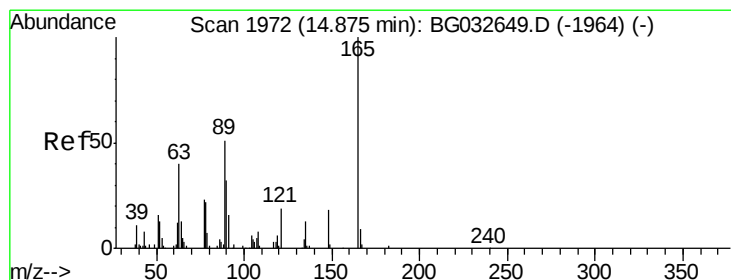
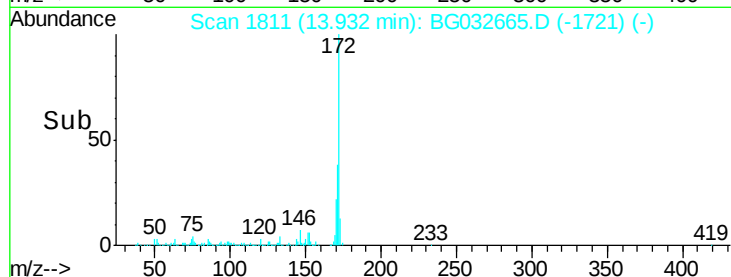
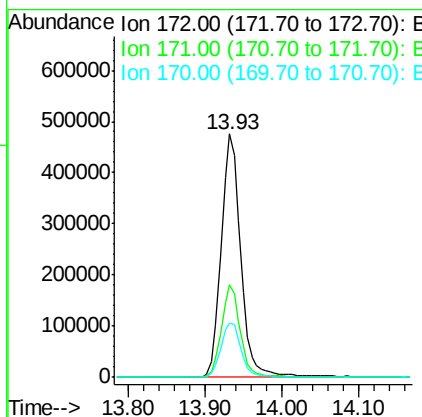
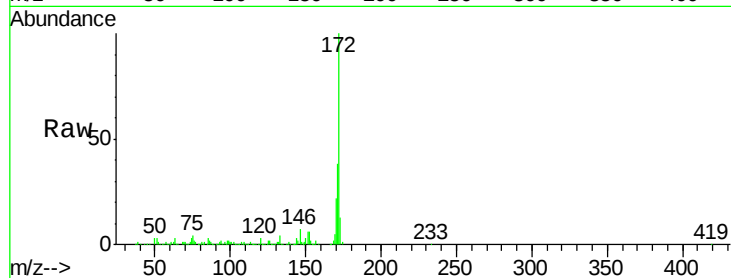




#44
 2-Fluorobiphenyl
 Concen: 105.76 ng
 RT: 13.93 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: BG032665.D
 Acq: 13 Feb 2018 17:57

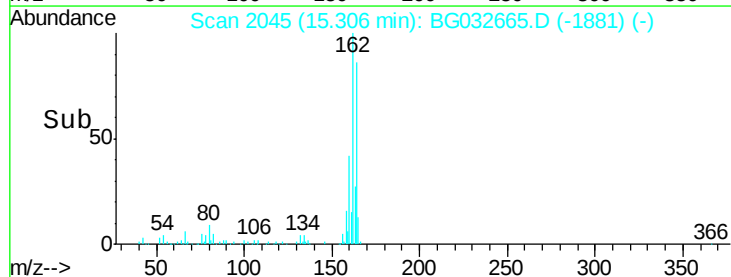
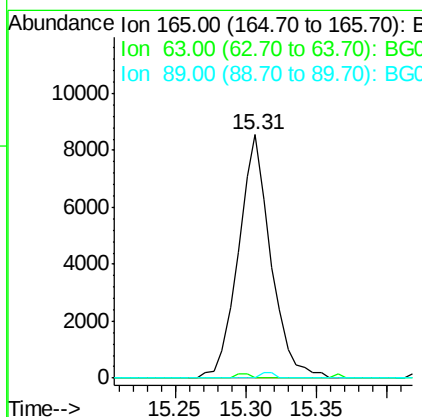
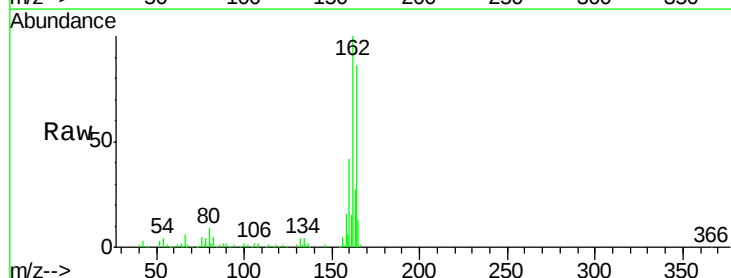
Instrument :
 BNA_G
 ClientSampleId :

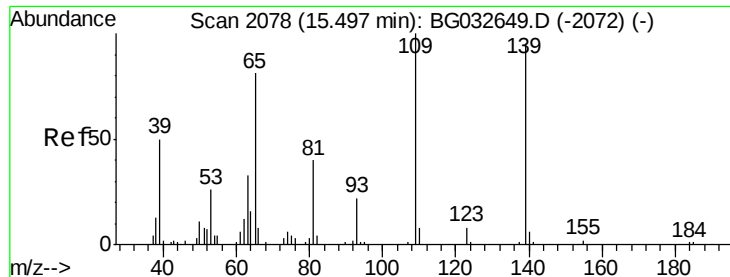
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	22.5	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.70 ng
 RT: 15.31 min Scan# 2045
 Delta R.T. 0.43 min
 Lab File: BG032665.D
 Acq: 13 Feb 2018 17:57

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





#55

4-Nitrophenol

Concen: 5.57 ng

RT: 15.71 min Scan# 2114

Delta R.T. 0.21 min

Lab File: BG032665.D

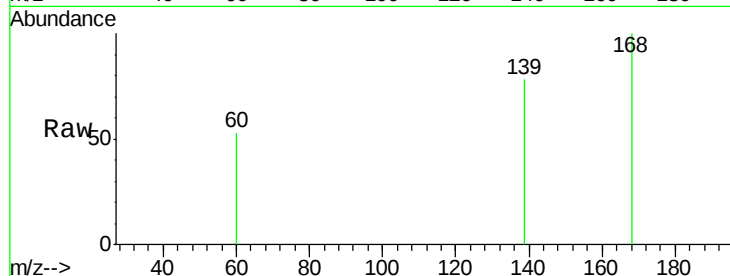
Acq: 13 Feb 2018 17:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

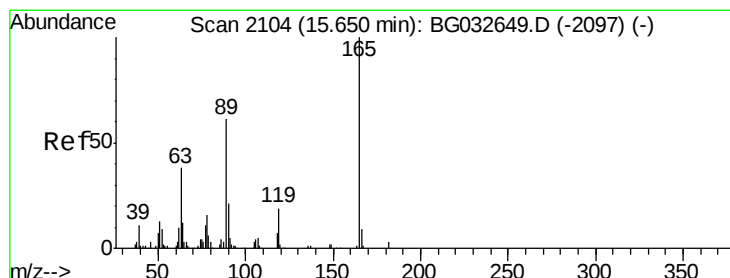
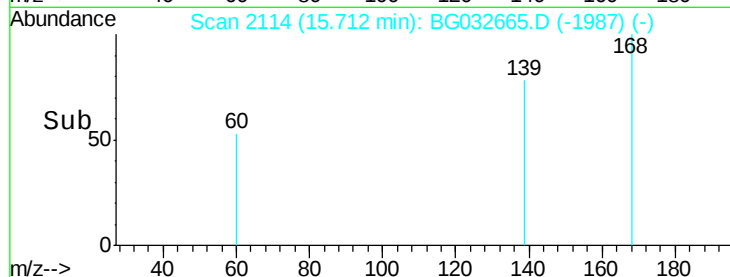
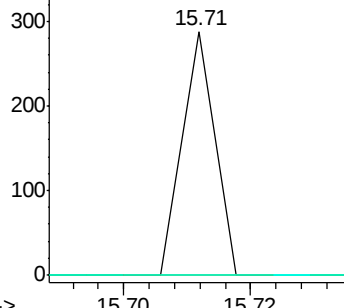


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 5.59 ng

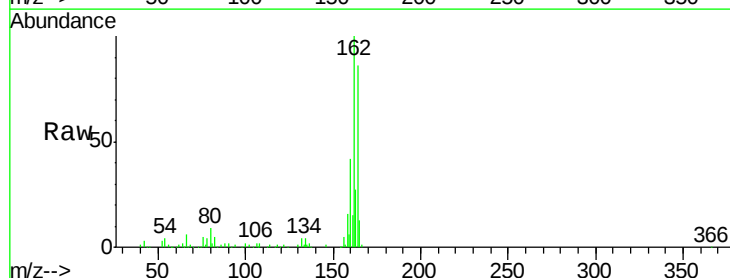
RT: 15.31 min Scan# 2045

Delta R.T. -0.34 min

Lab File: BG032665.D

Acq: 13 Feb 2018 17:57

Tgt 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#



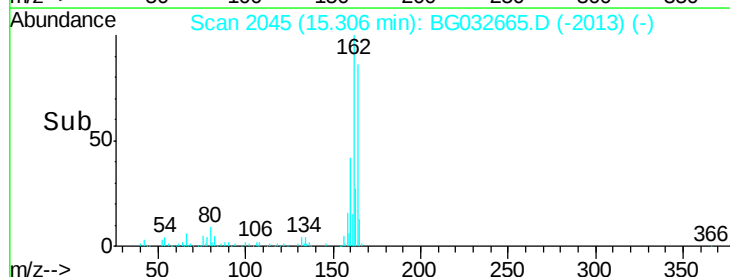
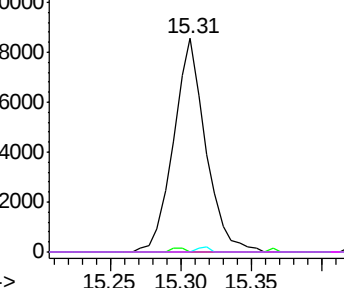
Abundance

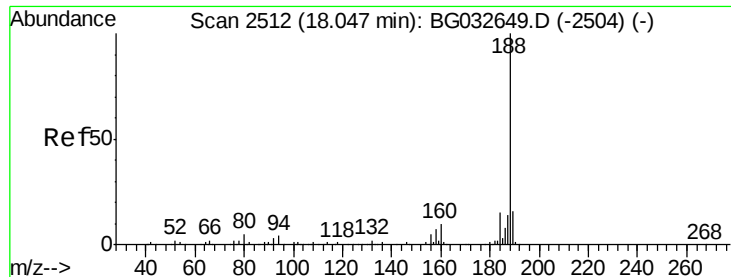
Ion 165.00 (164.70 to 165.70): E

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

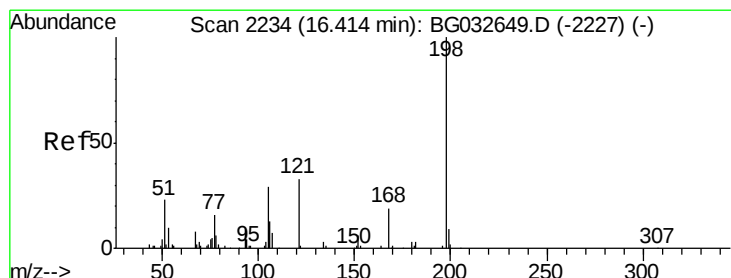
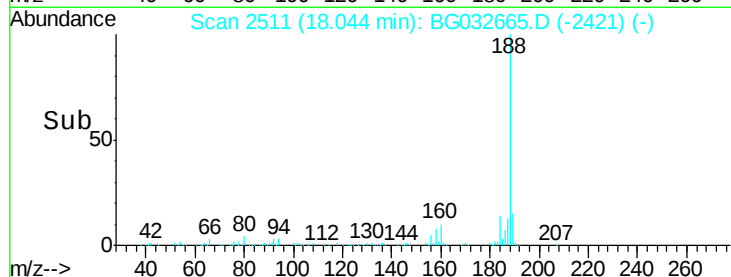
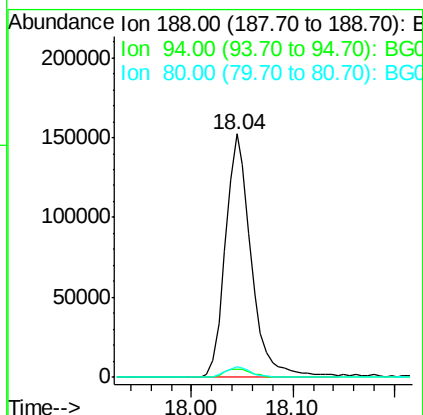
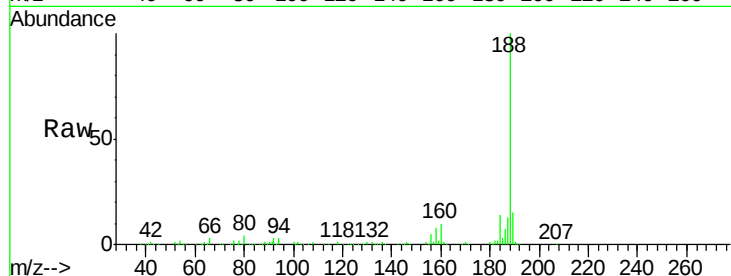




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.04 min Scan# 2511
Delta R.T. -0.00 min
Lab File: BG032665.D
Acq: 13 Feb 2018 17:57

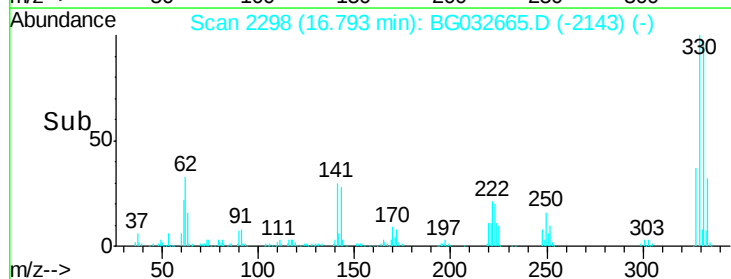
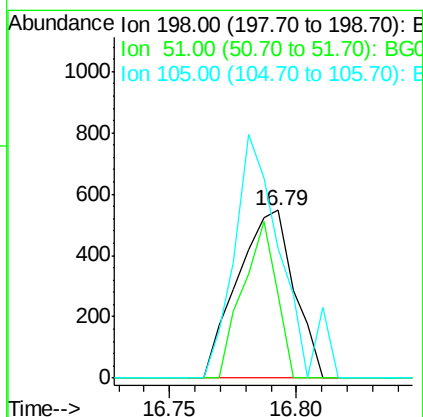
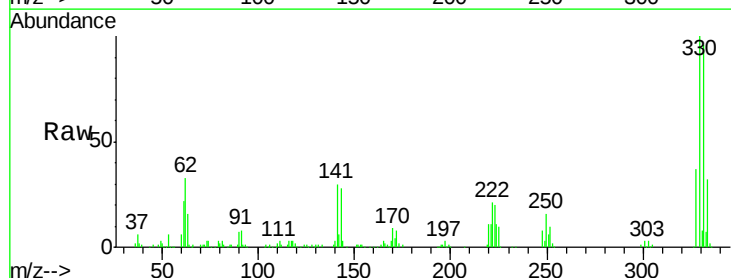
Instrument :
BNA_G
ClientSampleId :

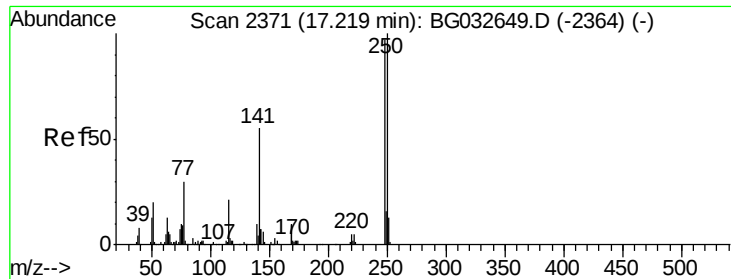
Tot Ion:188 Resp: 269039
Ion Ratio Lower Upper
188 100
94 3.4 6.9 10.3#
80 4.2 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.41 ng
RT: 16.79 min Scan# 2298
Delta R.T. 0.38 min
Lab File: BG032665.D
Acq: 13 Feb 2018 17:57

Tgt Ion:198 Resp: 851
Ion Ratio Lower Upper
198 100
51 49.9 30.6 70.6
105 77.7 23.8 63.8#

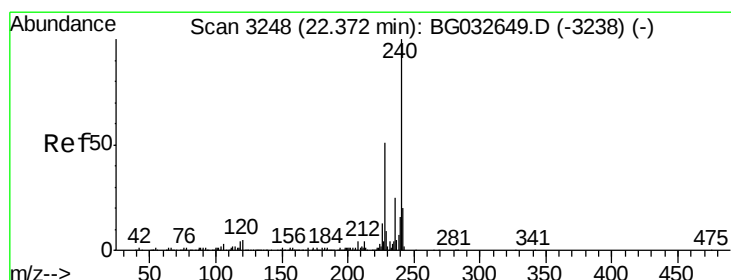
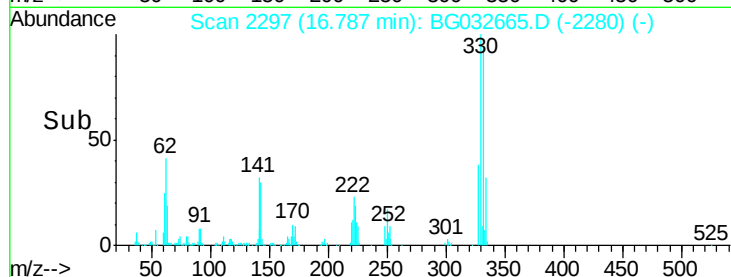
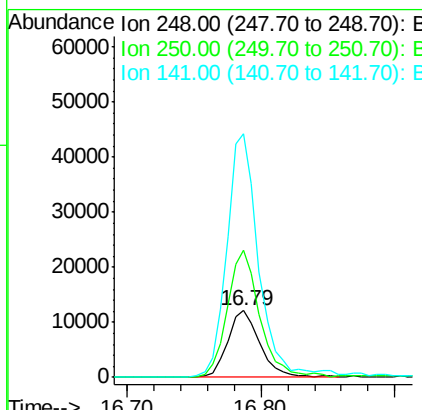
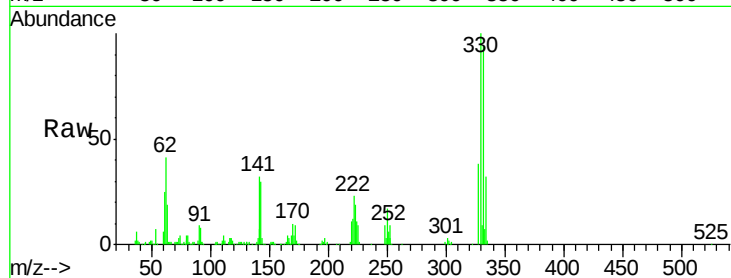




#66
 4-Bromophenyl-phenylether
 Concen: 5.31 ng
 RT: 16.79 min Scan# 2297
 Delta R.T. -0.43 min
 Lab File: BG032665.D
 Acq: 13 Feb 2018 17:57

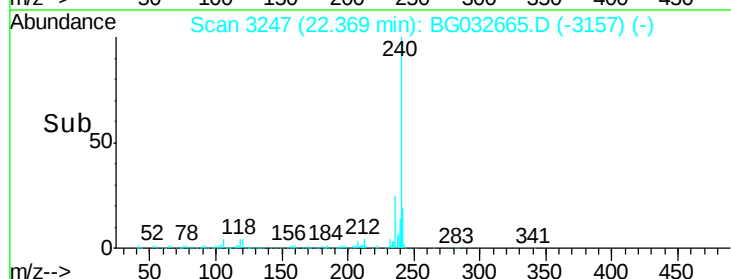
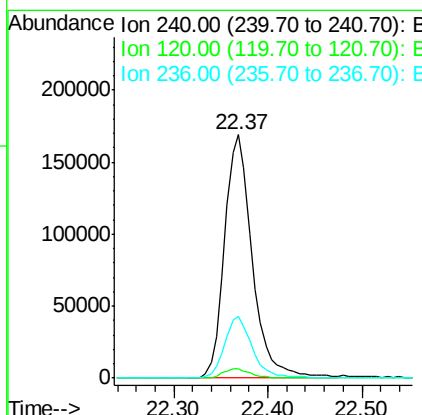
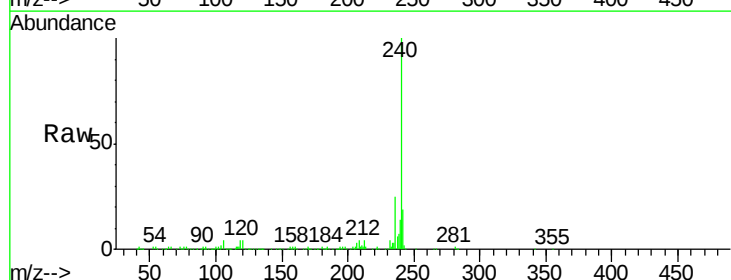
Instrument :
 BNA_G
 ClientSampleId :

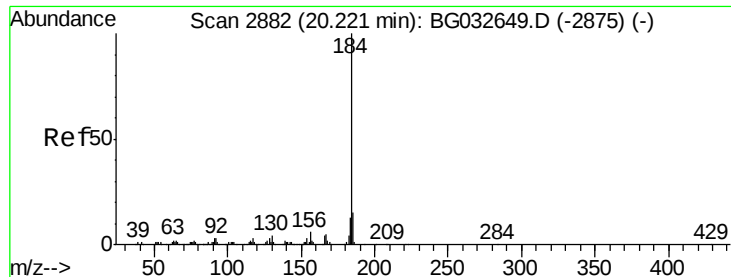
Tot Ion:248 Resp: 20464
 Ion Ratio Lower Upper
 248 100
 250 192.0 77.1 115.7#
 141 366.2 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.37 min Scan# 3247
 Delta R.T. -0.00 min
 Lab File: BG032665.D
 Acq: 13 Feb 2018 17:57

Tgt Ion:240 Resp: 346949
 Ion Ratio Lower Upper
 240 100
 120 4.1 6.8 10.2#
 236 25.5 20.9 31.3

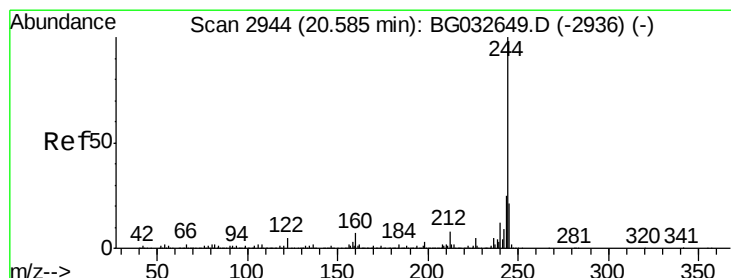
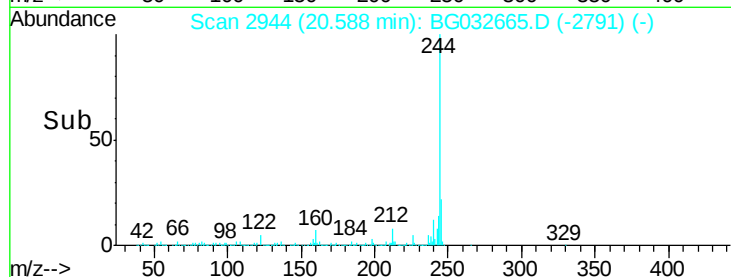
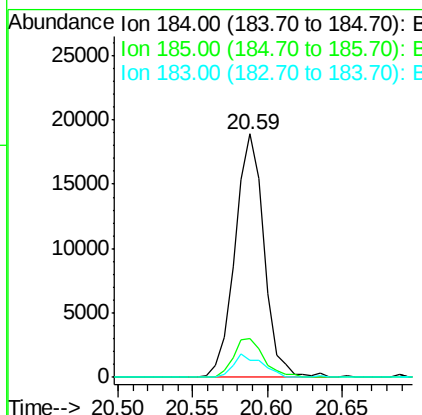
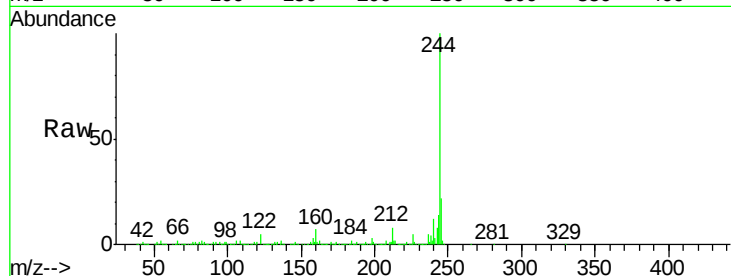




#76
Benzidine
Concen: 3.15 ng
RT: 20.59 min Scan# 2944
Delta R.T. 0.37 min
Lab File: BG032665.D
Acq: 13 Feb 2018 17:57

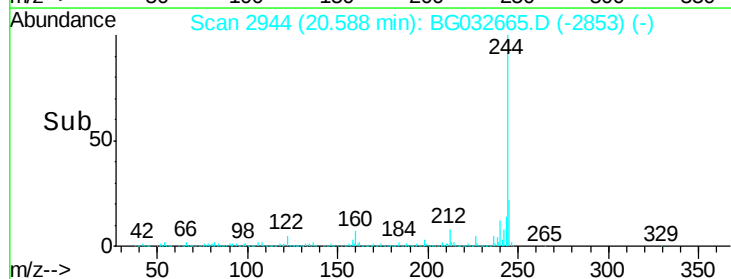
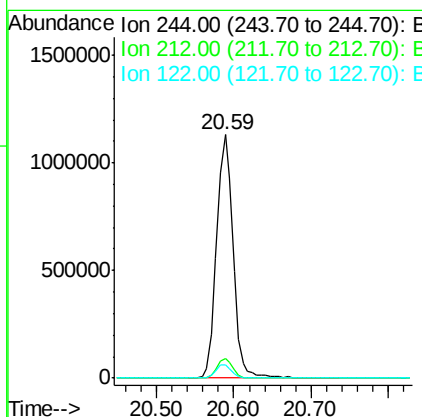
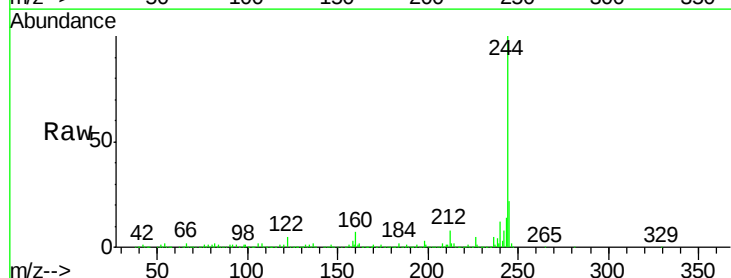
Instrument :
BNA_G
ClientSampleId :

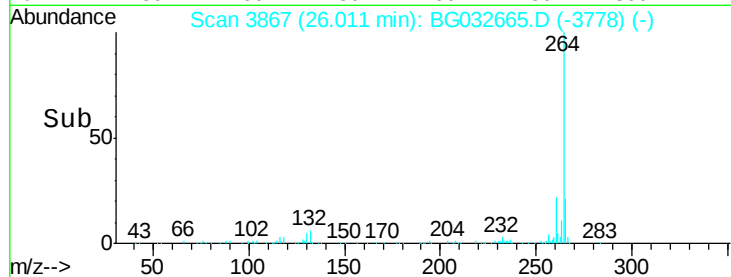
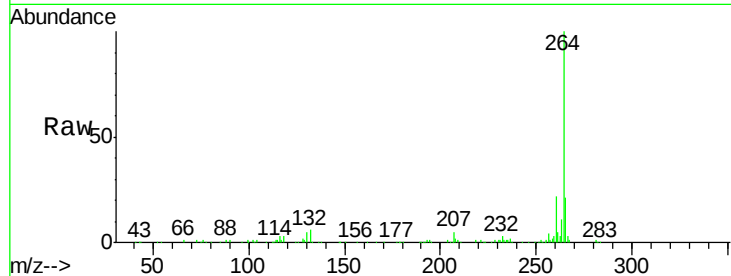
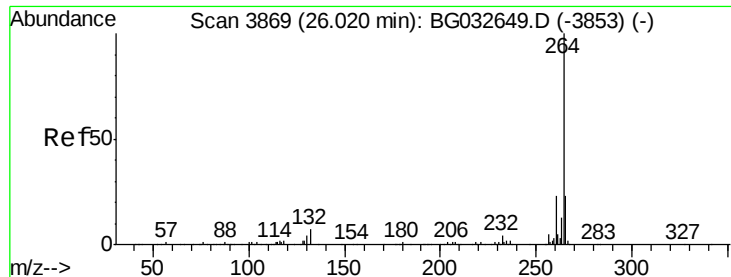
Tot Ion:184 Resp: 25697
Ion Ratio Lower Upper
184 100
185 16.1 11.1 16.7
183 7.1 10.6 16.0#



#78
Terphenyl-d14
Concen: 109.72 ng
RT: 20.59 min Scan# 2944
Delta R.T. 0.00 min
Lab File: BG032665.D
Acq: 13 Feb 2018 17:57

Tgt Ion:244 Resp: 1670239
Ion Ratio Lower Upper
244 100
212 8.3 5.8 8.8
122 5.5 7.0 10.4#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.01 min Scan# 3867
 Delta R.T. -0.01 min
 Lab File: BG032665.D
 Acq: 13 Feb 2018 17:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.4	26.0
265	20.8	17.7	26.5

