

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032661.D
 Acq On : 13 Feb 2018 15:26
 Operator : SJ/JU
 Sample : J1517-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 13 17:31:08 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

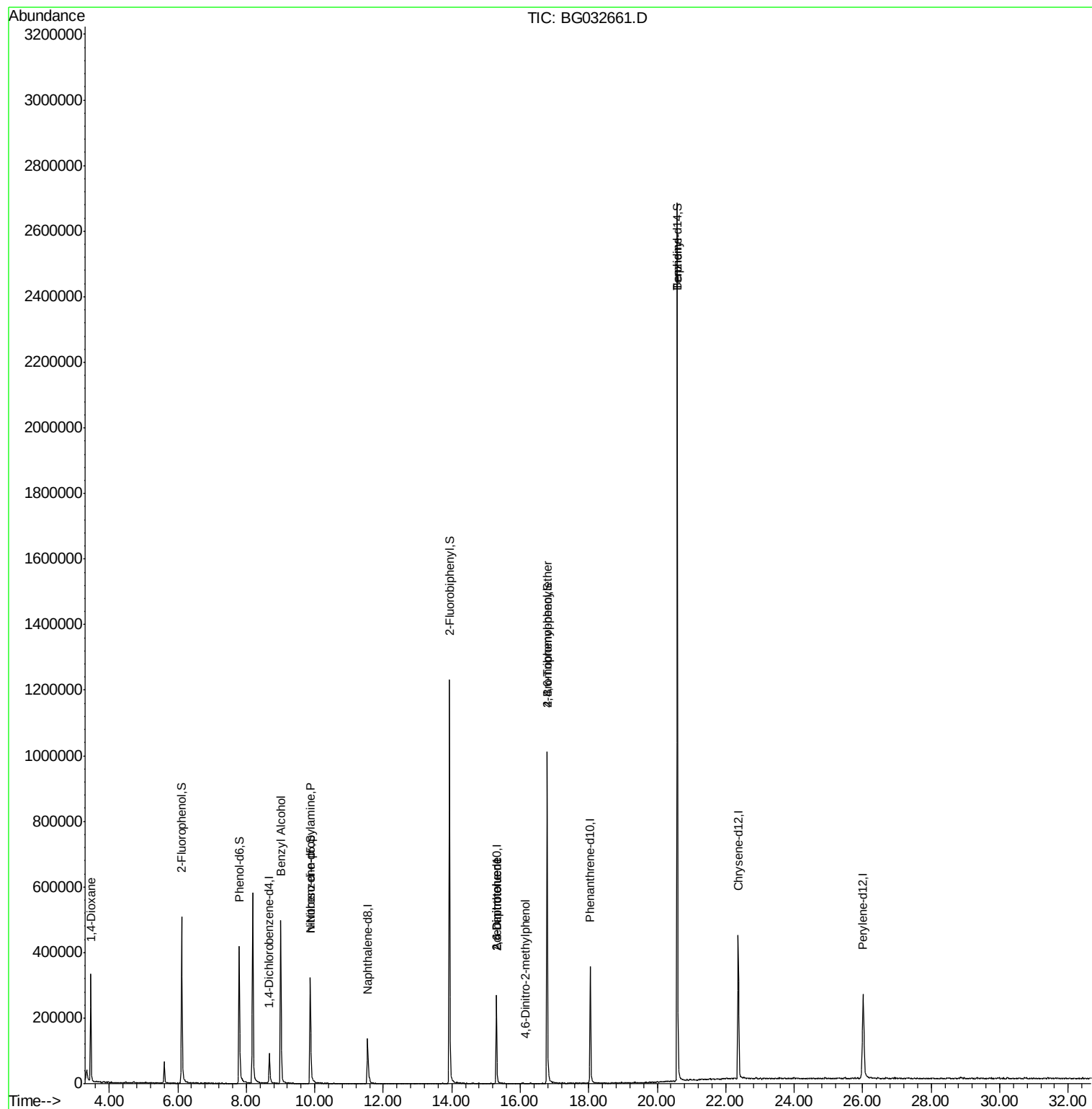
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	36847	20.00	ng	0.00
21) Naphthalene-d8	11.54	136	152368	20.00	ng	0.00
38) Acenaphthene-d10	15.31	164	108038	20.00	ng	0.00
63) Phenanthrene-d10	18.04	188	285146	20.00	ng	0.00
75) Chrysene-d12	22.37	240	358403	20.00	ng	0.00
86) Perylene-d12	26.01	264	361223	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.11	112	260044	141.60	ng	0.00
7) Phenol-d6	7.79	99	285906	113.85	ng	0.00
23) Nitrobenzene-d5	9.87	82	226037	94.28	ng	0.00
41) 2,4,6-Tribromophenol	16.78	330	223891	134.59	ng	0.00
44) 2-Fluorobiphenyl	13.93	172	760847	88.07	ng	0.00
78) Terphenyl-d14	20.58	244	1514753	96.33	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.45	88	3837	4.994	ng	# 1
15) Benzyl Alcohol	9.00	79	4091	2.173	ng	# 27
19) n-Nitroso-di-n-propylamine	9.87	70	34572	20.478	ng	# 81
50) 2,6-Dinitrotoluene	15.30	165	14419	7.497	ng	# 20
56) 2,4-Dinitrotoluene	15.30	165	14420	5.441	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.16	198	56	5.048	ng	# 29
66) 4-Bromophenyl-phenylether	16.78	248	19735	4.836	ng	# 1
76) Benzidine	20.58	184	22898	2.713	ng	# 93

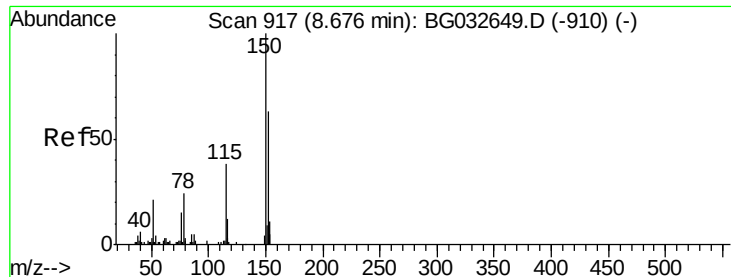
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
Data File : BG032661.D
Acq On : 13 Feb 2018 15:26
Operator : SJ/JU
Sample : J1517-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Feb 13 17:31:08 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



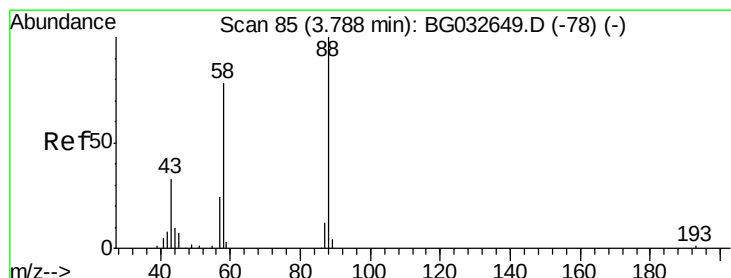
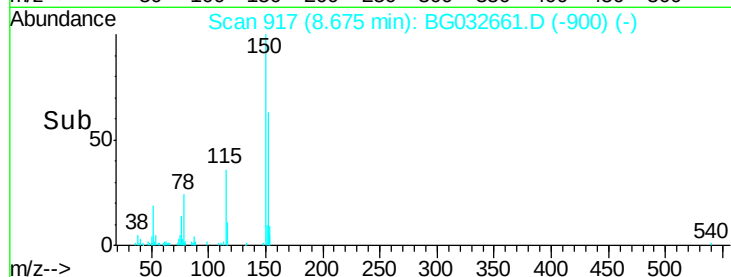
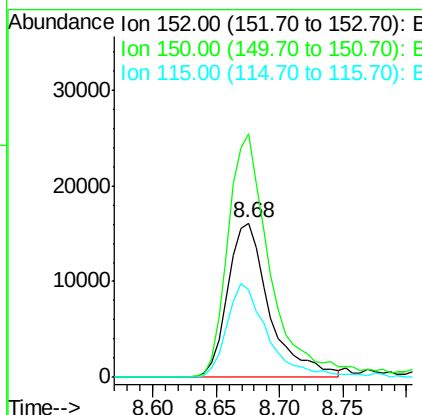
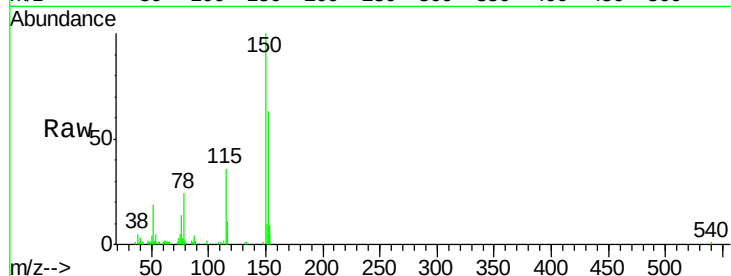


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.68 min Scan# 917
Delta R.T. -0.00 min
Lab File: BG032661.D
Acq: 13 Feb 2018 15:26

Instrument :
BNA_G
ClientSampleId :

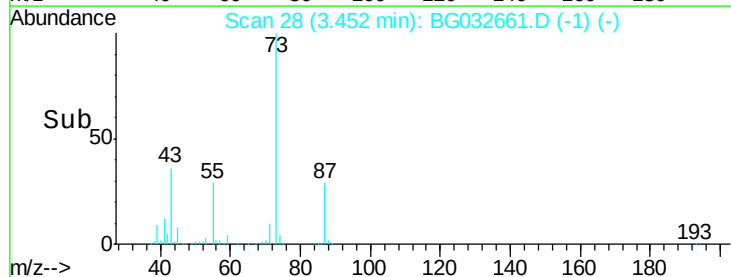
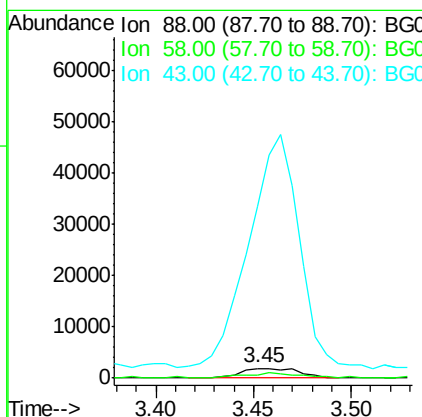
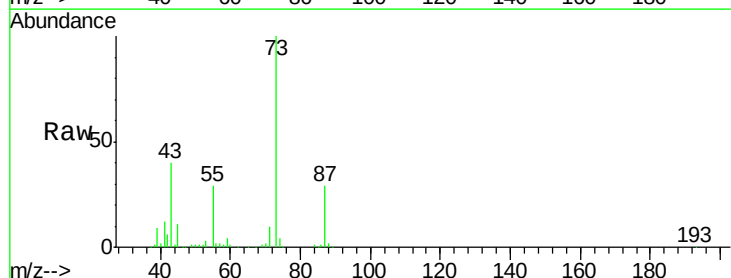
Tot Ion:152 Resp: 36847
Ion Ratio Lower Upper
152 100
150 157.9 126.6 189.8
115 56.3 53.0 79.4

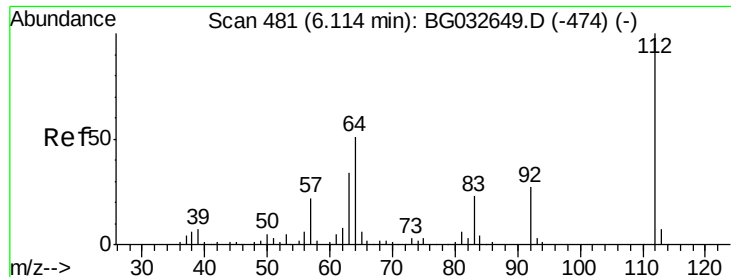


#2

1,4-Dioxane
Concen: 4.994 ng
RT: 3.45 min Scan# 28
Delta R.T. -0.34 min
Lab File: BG032661.D
Acq: 13 Feb 2018 15:26

Tgt Ion: 88 Resp: 3837
Ion Ratio Lower Upper
88 100
58 52.9 79.6 119.4#
43 2127.5 27.4 41.0#





#5

2-Fluorophenol

Concen: 141.596 ng

RT: 6.11 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG032661.D

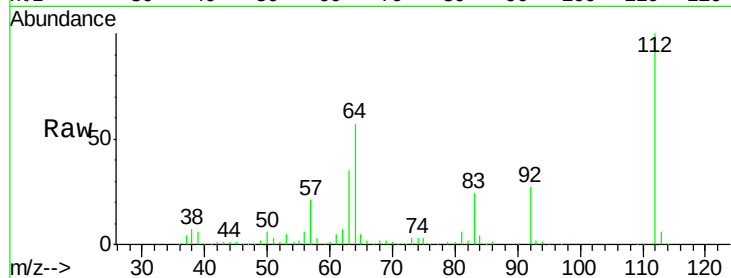
Acq: 13 Feb 2018 15:26

Instrument :

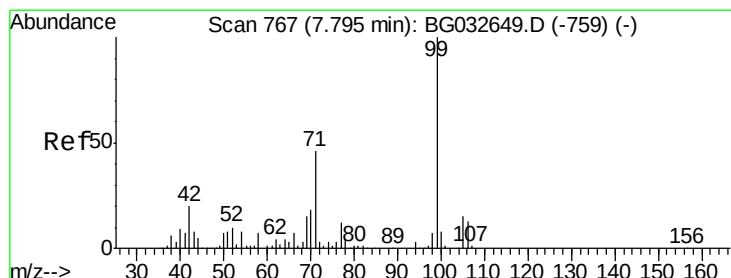
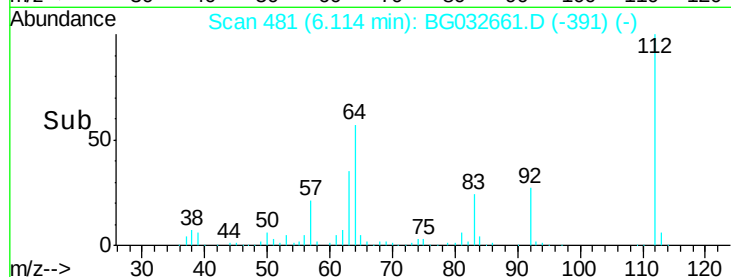
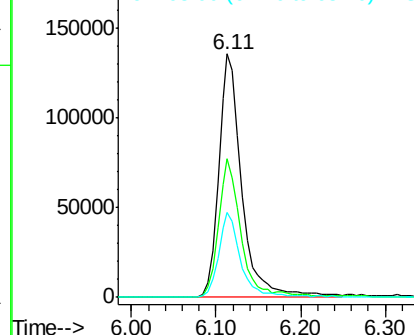
BNA_G

ClientSampled :

Tot Ion:	112	Resp:	260044
Ion	Ratio	Lower	Upper
112	100		
64	57.2	56.3	84.5
63	34.7	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: 113.850 ng

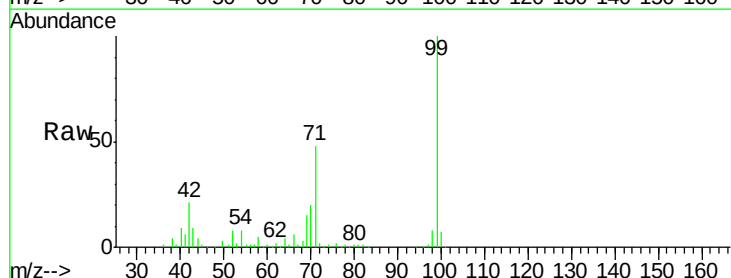
RT: 7.79 min Scan# 767

Delta R.T. -0.00 min

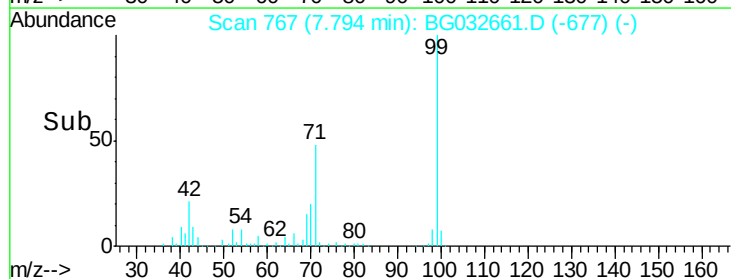
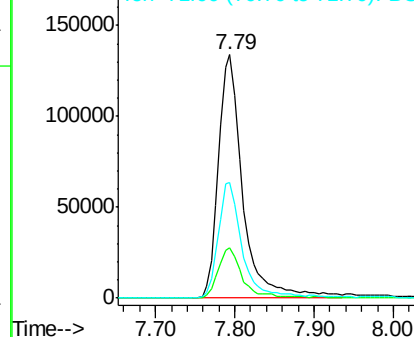
Lab File: BG032661.D

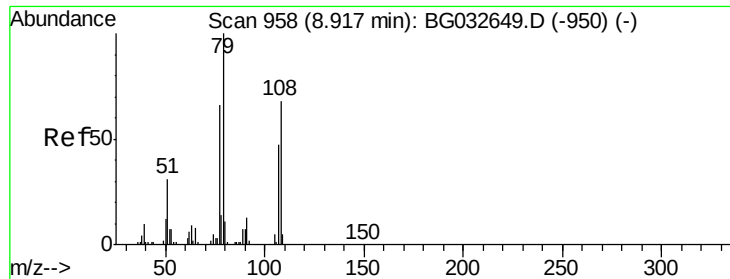
Acq: 13 Feb 2018 15:26

Tgt Ion:	99	Resp:	285906
Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.1	21.1
71	47.6	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: 2.173 ng

RT: 9.00 min Scan# 973

Delta R.T. 0.09 min

Lab File: BG032661.D

Acq: 13 Feb 2018 15:26

Instrument :

BNA_G

ClientSampleId :

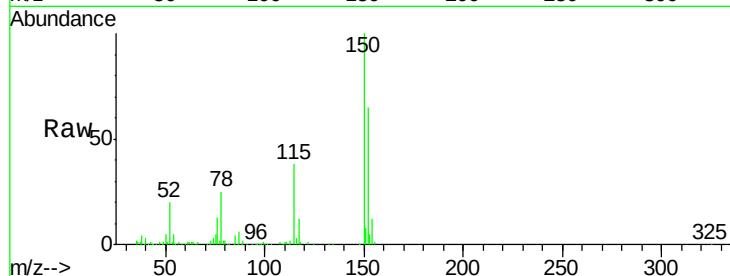
Tot Ion: 79 Resp: 4091

Ion Ratio Lower Upper

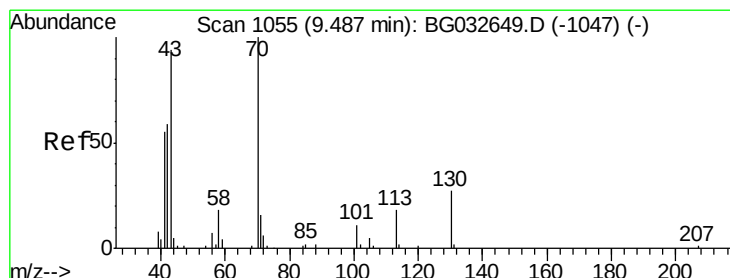
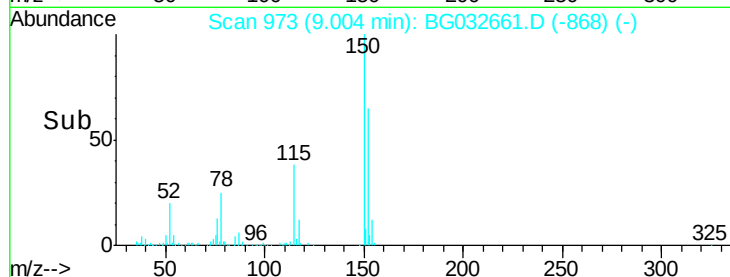
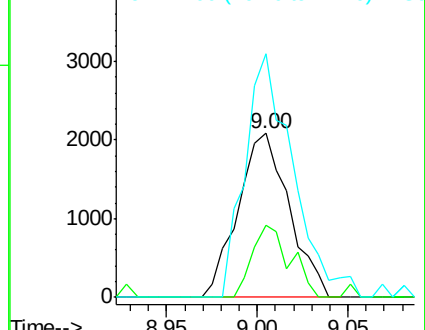
79 100

108 43.6 57.2 85.8#

77 148.7 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: 20.478 ng

RT: 9.87 min Scan# 1120

Delta R.T. 0.38 min

Lab File: BG032661.D

Acq: 13 Feb 2018 15:26

Tgt Ion: 70 Resp: 34572

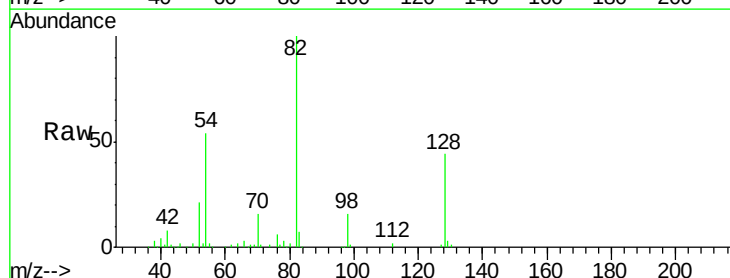
Ion Ratio Lower Upper

70 100

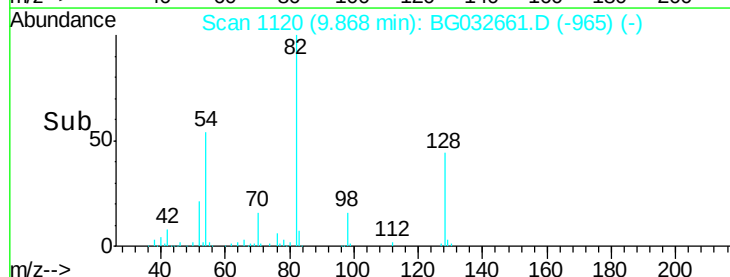
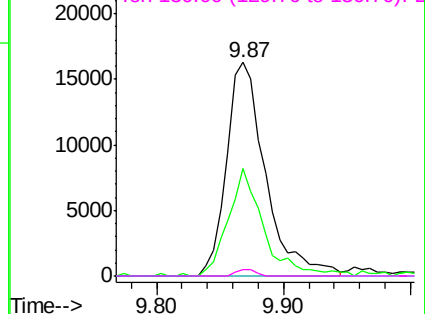
42 50.6 49.1 73.7

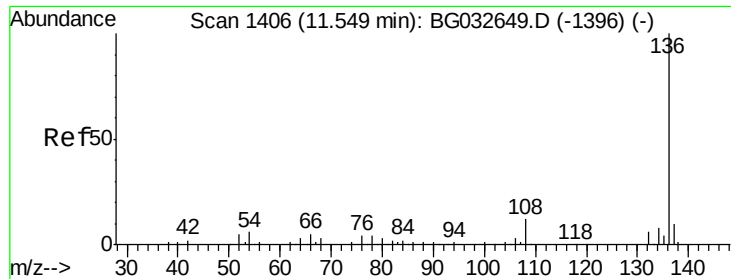
101 0.0 8.5 12.7#

130 3.3 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

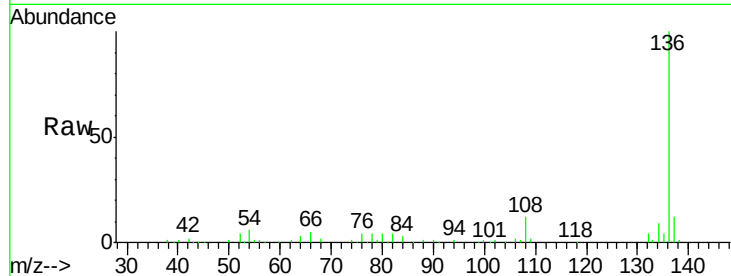




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.54 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG032661.D
Acq: 13 Feb 2018 15:26

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.2	13.8
54	5.8	10.3	15.5#
68	1.7	4.5	6.7#



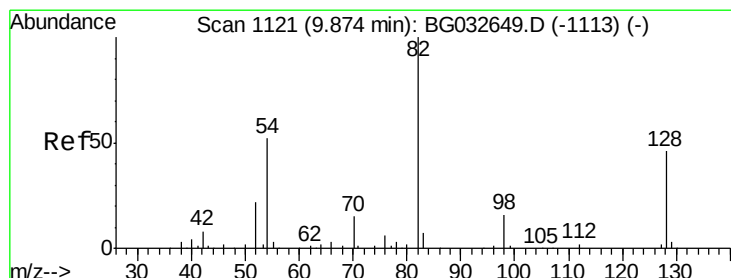
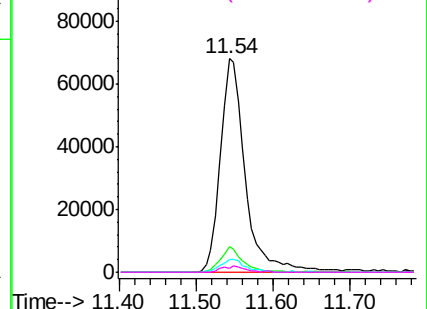
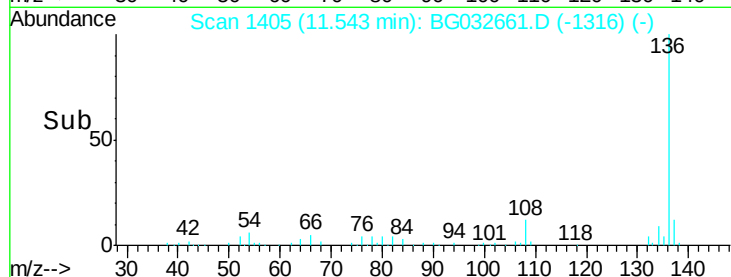
Abundance

Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

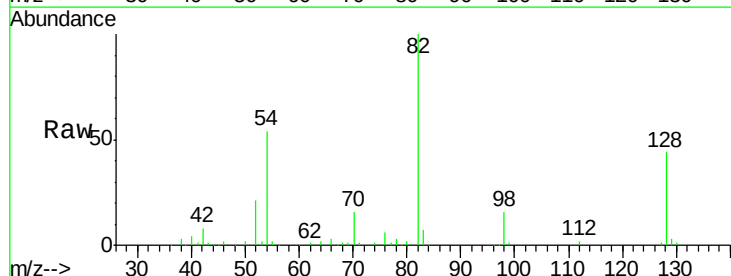
Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23
Nitrobenzene-d5
Concen: 94.284 ng
RT: 9.87 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BG032661.D
Acq: 13 Feb 2018 15:26

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.5	29.7	44.5
54	53.6	43.1	64.7

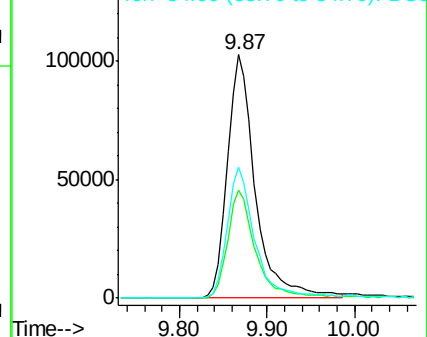
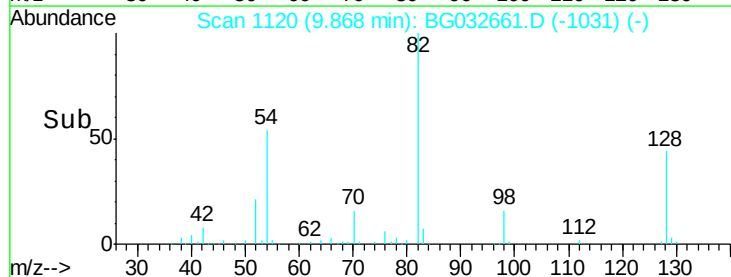


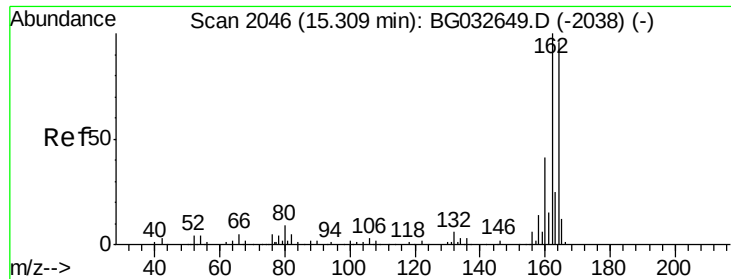
Abundance

Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.31 min Scan# 2046

Delta R.T. -0.00 min

Lab File: BG032661.D

Acq: 13 Feb 2018 15:26

Instrument :

BNA_G

ClientSampleId :

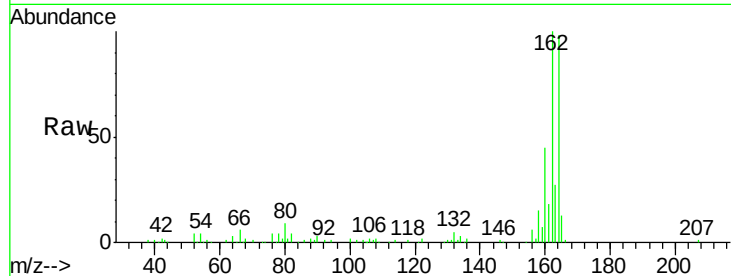
Tot Ion:164 Resp: 108038

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

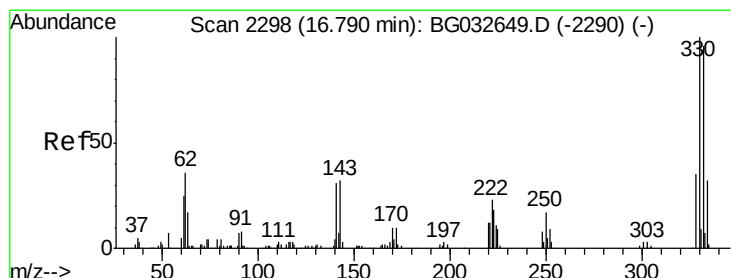
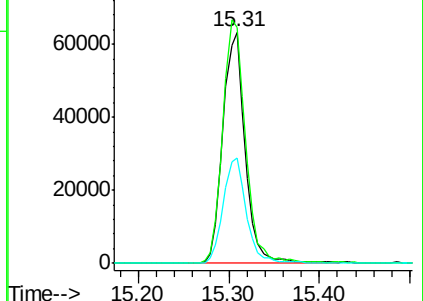
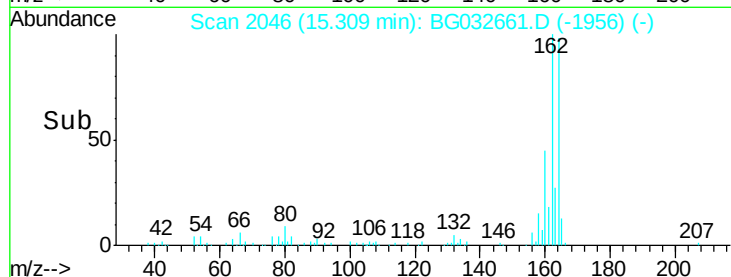
160 45.5 35.4 53.0



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: 134.586 ng

RT: 16.78 min Scan# 2297

Delta R.T. -0.01 min

Lab File: BG032661.D

Acq: 13 Feb 2018 15:26

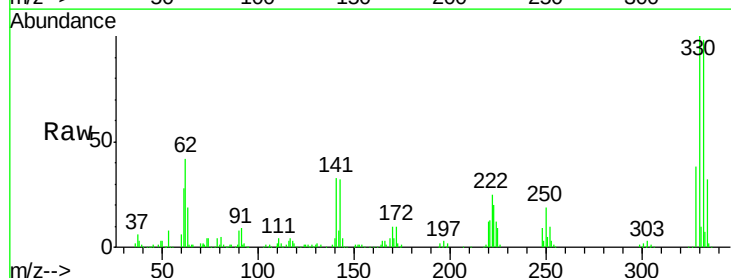
Tgt Ion:330 Resp: 223891

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

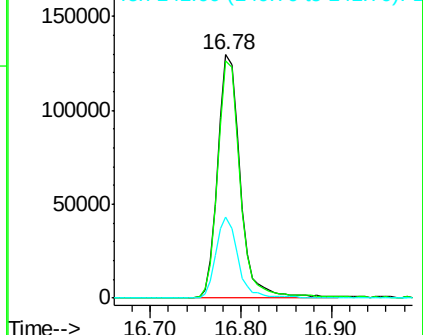
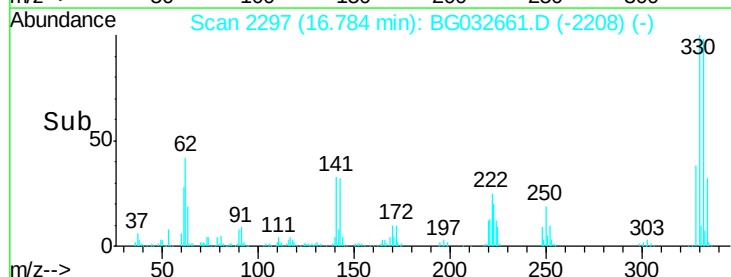
141 32.6 25.2 37.8

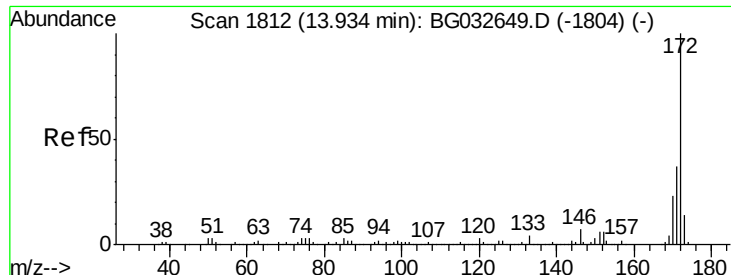


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

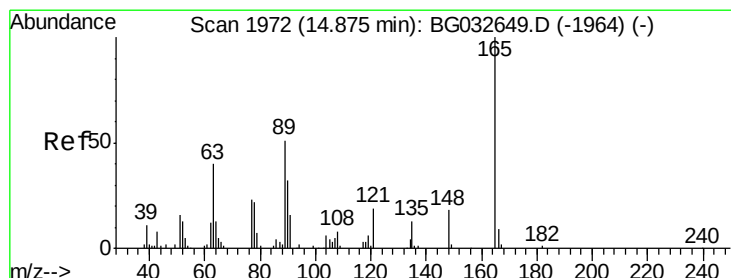
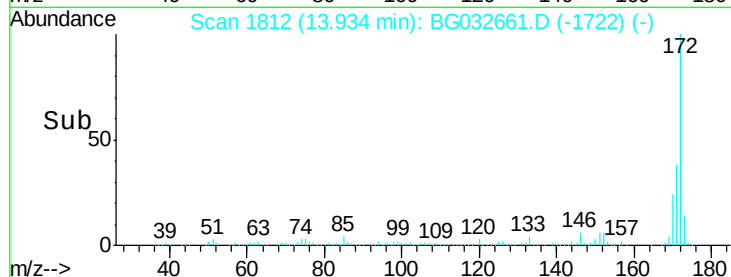
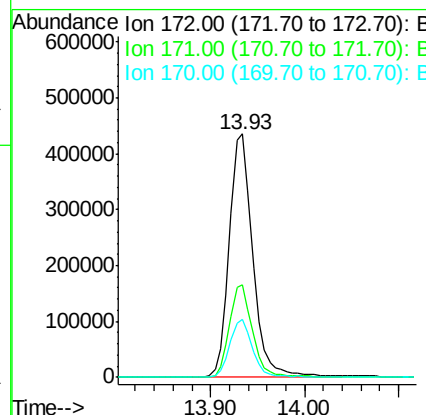
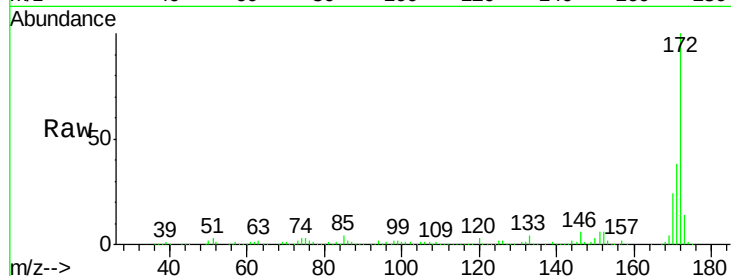




#44
2-Fluorobiphenyl
Concen: 88.067 ng
RT: 13.93 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BG032661.D
Acq: 13 Feb 2018 15:26

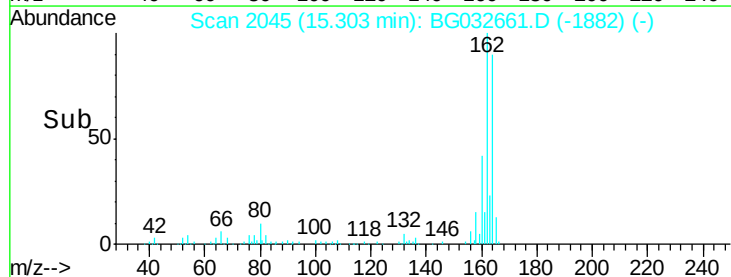
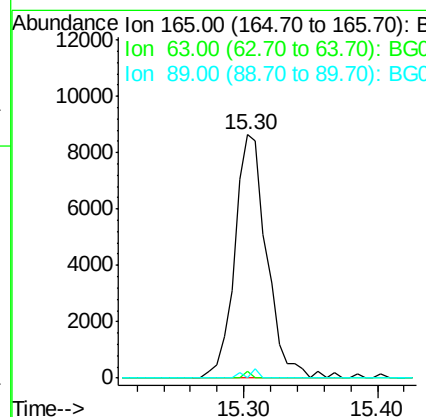
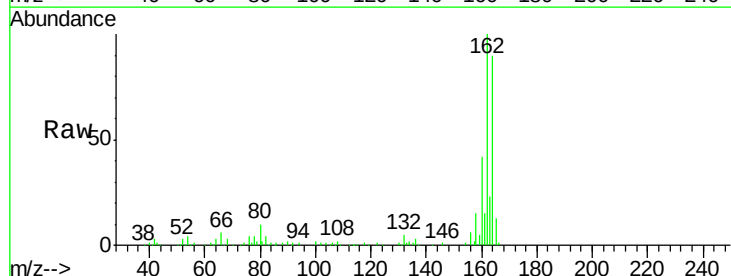
Instrument :
BNA_G
ClientSampled :

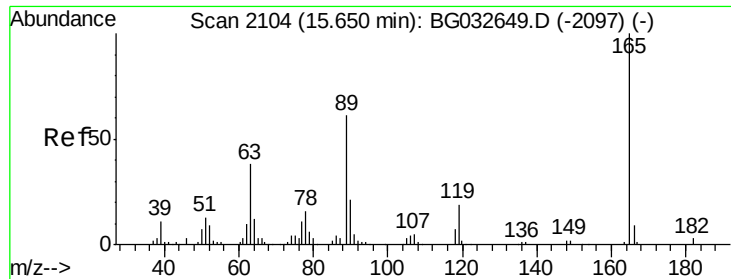
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	23.7	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 7.497 ng
RT: 15.30 min Scan# 2045
Delta R.T. 0.43 min
Lab File: BG032661.D
Acq: 13 Feb 2018 15:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	52.7	79.1#
89	0.0	49.2	73.8#

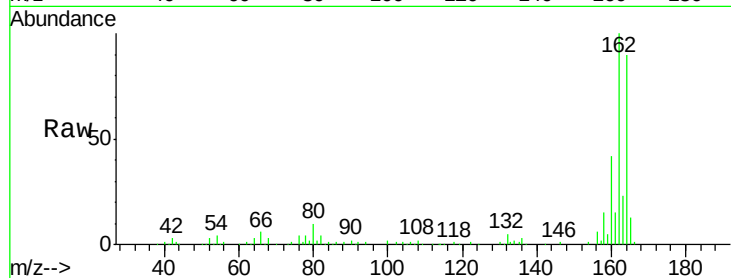




#56
 2,4-Dinitrotoluene
 Concen: 5.441 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. -0.35 min
 Lab File: BG032661.D
 Acq: 13 Feb 2018 15:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.9	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

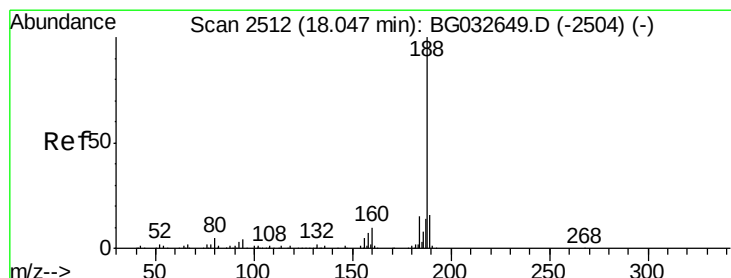
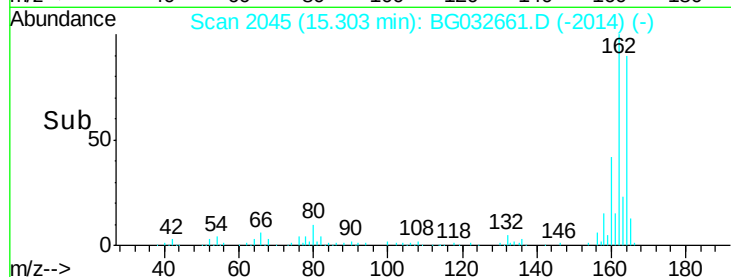
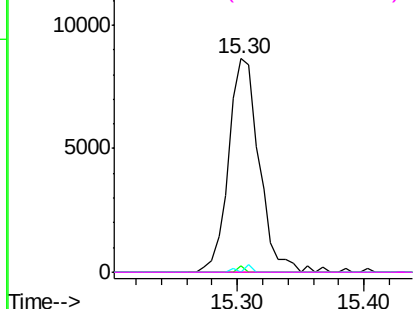


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

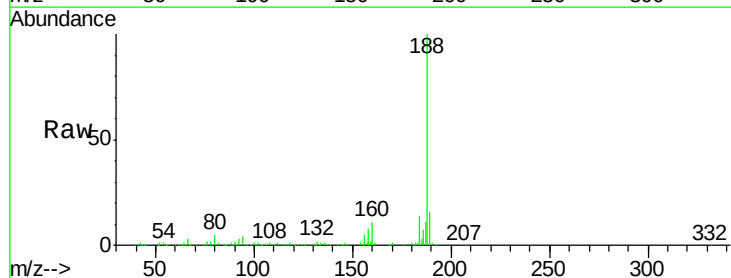
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.04 min Scan# 2511
 Delta R.T. -0.01 min
 Lab File: BG032661.D
 Acq: 13 Feb 2018 15:26

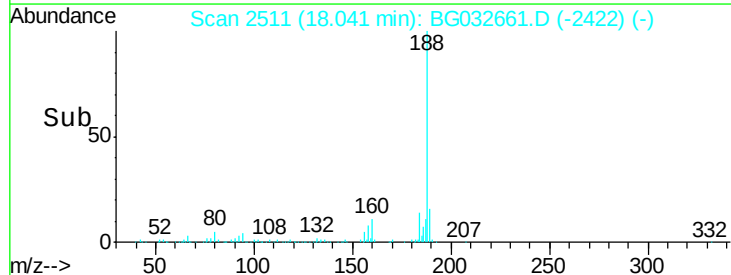
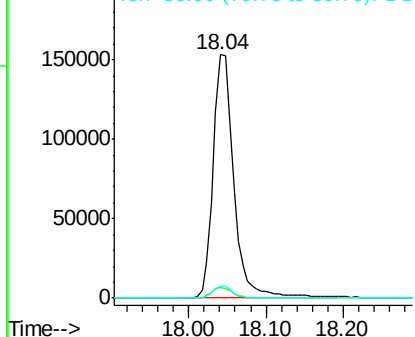
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.4	6.9	10.3#
80	5.1	7.7	11.5#

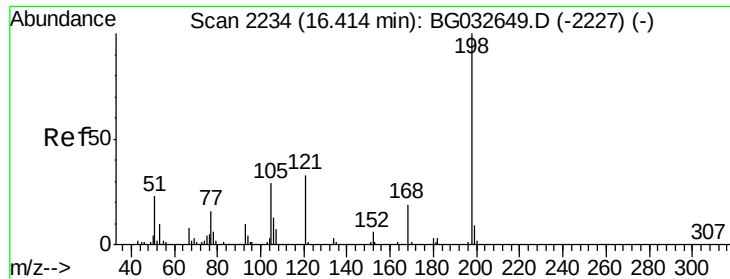


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

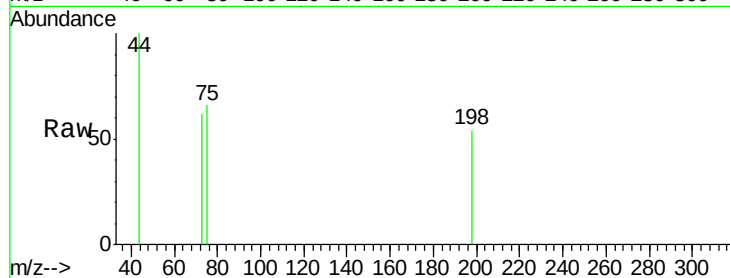




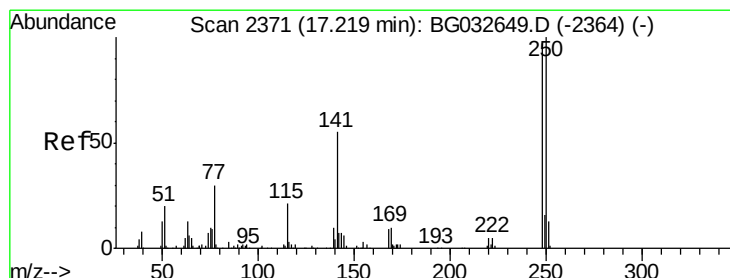
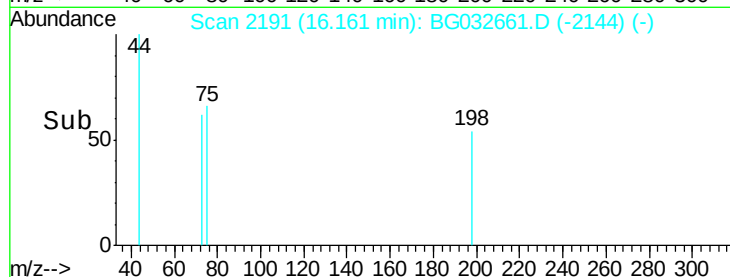
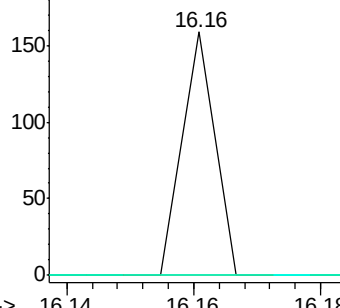
#64
4,6-Dinitro-2-methylphenol
Concen: 5.048 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.25 min
Lab File: BG032661.D
Acq: 13 Feb 2018 15:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 56
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#

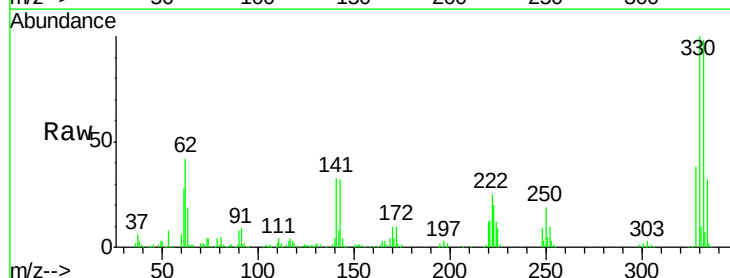


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

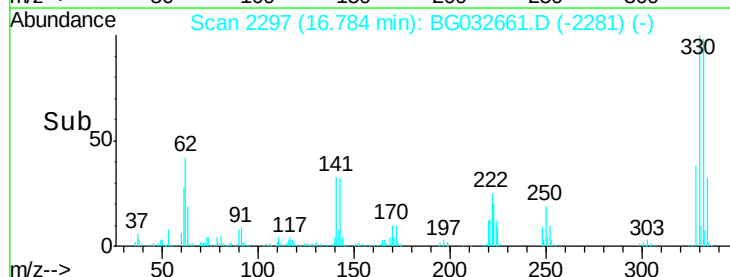
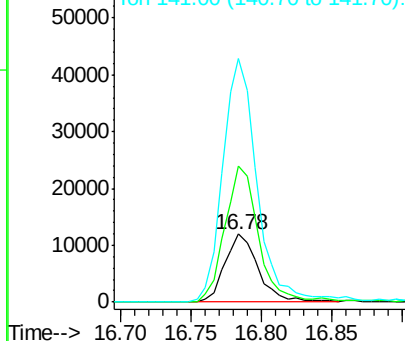


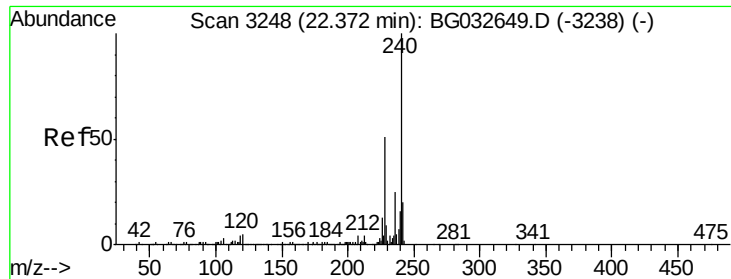
#66
4-Bromophenyl-phenylether
Concen: 4.836 ng
RT: 16.78 min Scan# 2297
Delta R.T. -0.44 min
Lab File: BG032661.D
Acq: 13 Feb 2018 15:26

Tgt Ion:248 Resp: 19735
Ion Ratio Lower Upper
248 100
250 201.4 77.1 115.7#
141 358.9 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: 22.37 min Scan# 3247

Delta R.T. -0.01 min

Lab File: BG032661.D

Acq: 13 Feb 2018 15:26

Instrument :

BNA_G

ClientSampleId :

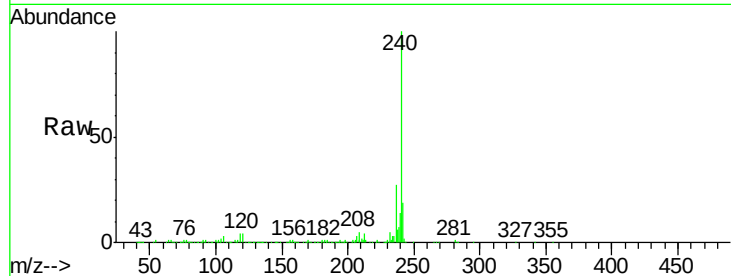
Tot Ion:240 Resp: 358403

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

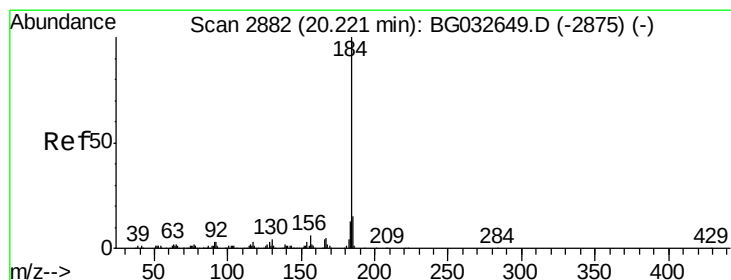
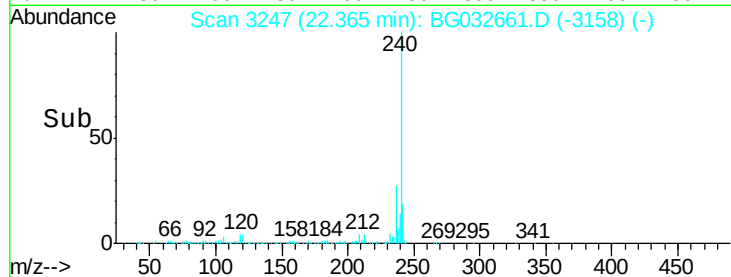
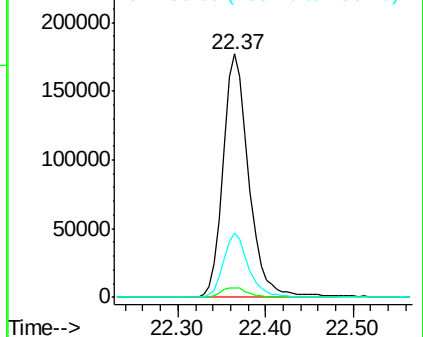
236 26.6 20.9 31.3



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: 2.713 ng

RT: 20.58 min Scan# 2944

Delta R.T. 0.36 min

Lab File: BG032661.D

Acq: 13 Feb 2018 15:26

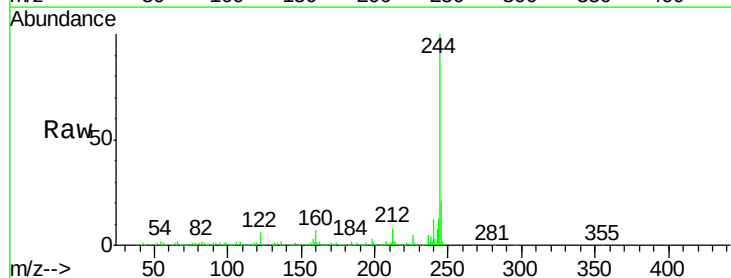
Tgt Ion:184 Resp: 22898

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

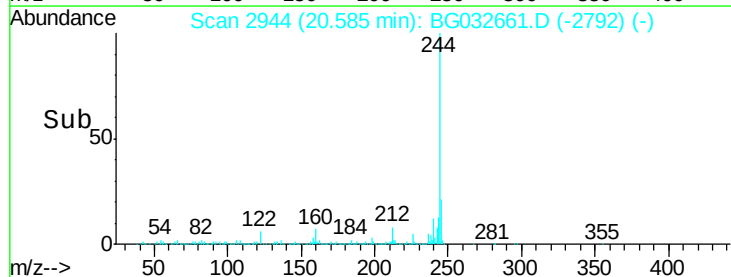
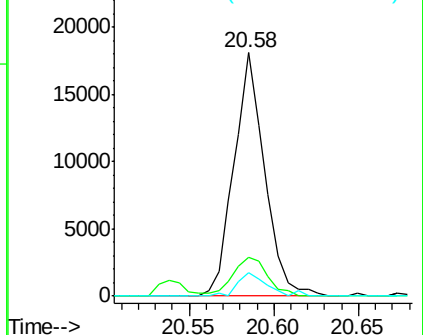
183 9.7 10.6 16.0#

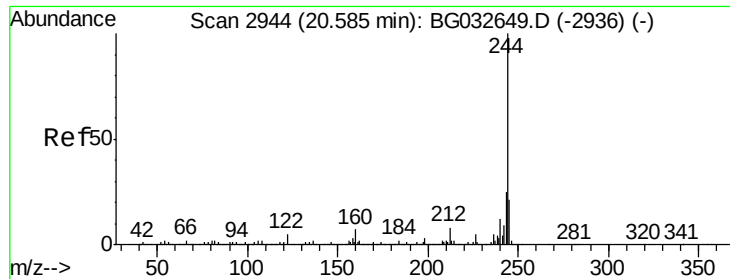


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.328 ng

RT: 20.58 min Scan# 2944

Delta R.T. -0.00 min

Lab File: BG032661.D

Acq: 13 Feb 2018 15:26

Instrument :

BNA_G

ClientSampled :

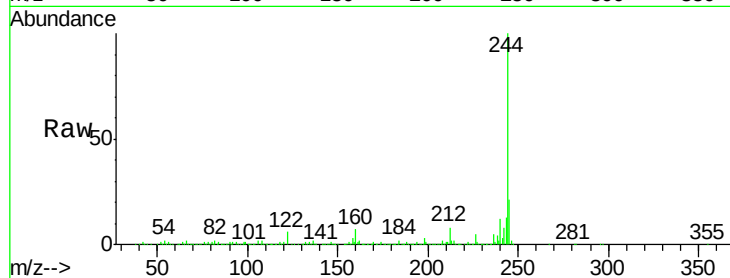
Tot Ion:244 Resp: 1514753

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

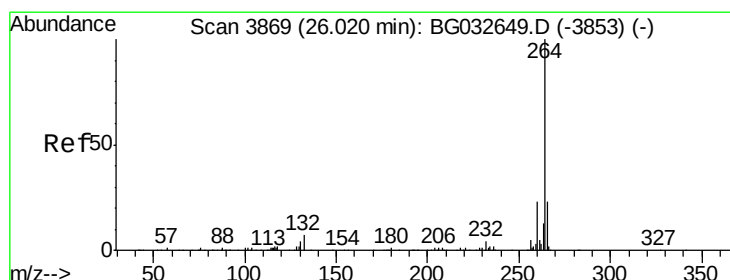
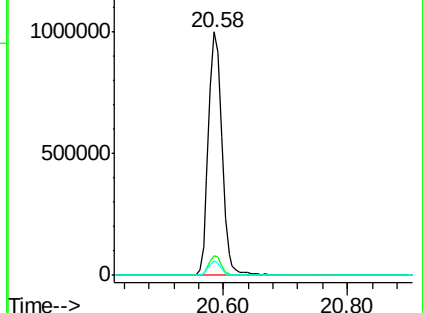
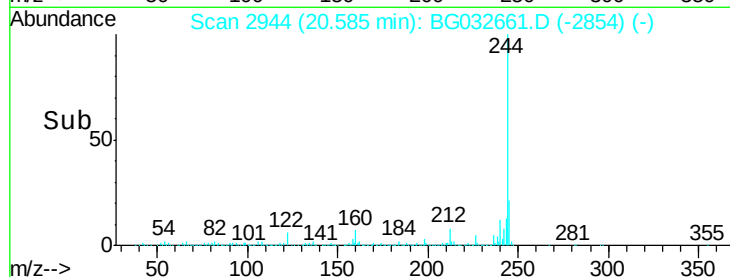
122 6.0 7.0 10.4#



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: 26.01 min Scan# 3868

Delta R.T. -0.01 min

Lab File: BG032661.D

Acq: 13 Feb 2018 15:26

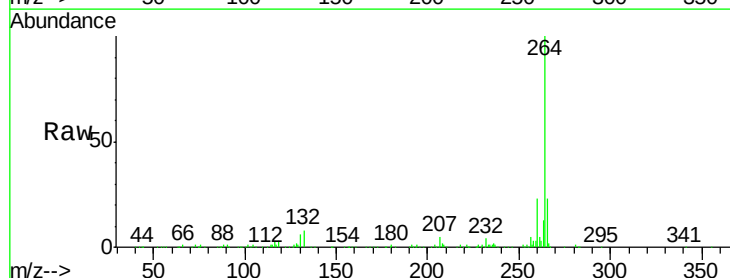
Tgt Ion:264 Resp: 361223

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 22.9 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

