

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
 Data File : BG032662.D
 Acq On : 13 Feb 2018 16:04
 Operator : SJ/JU
 Sample : J1517-22
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 13 17:31:27 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

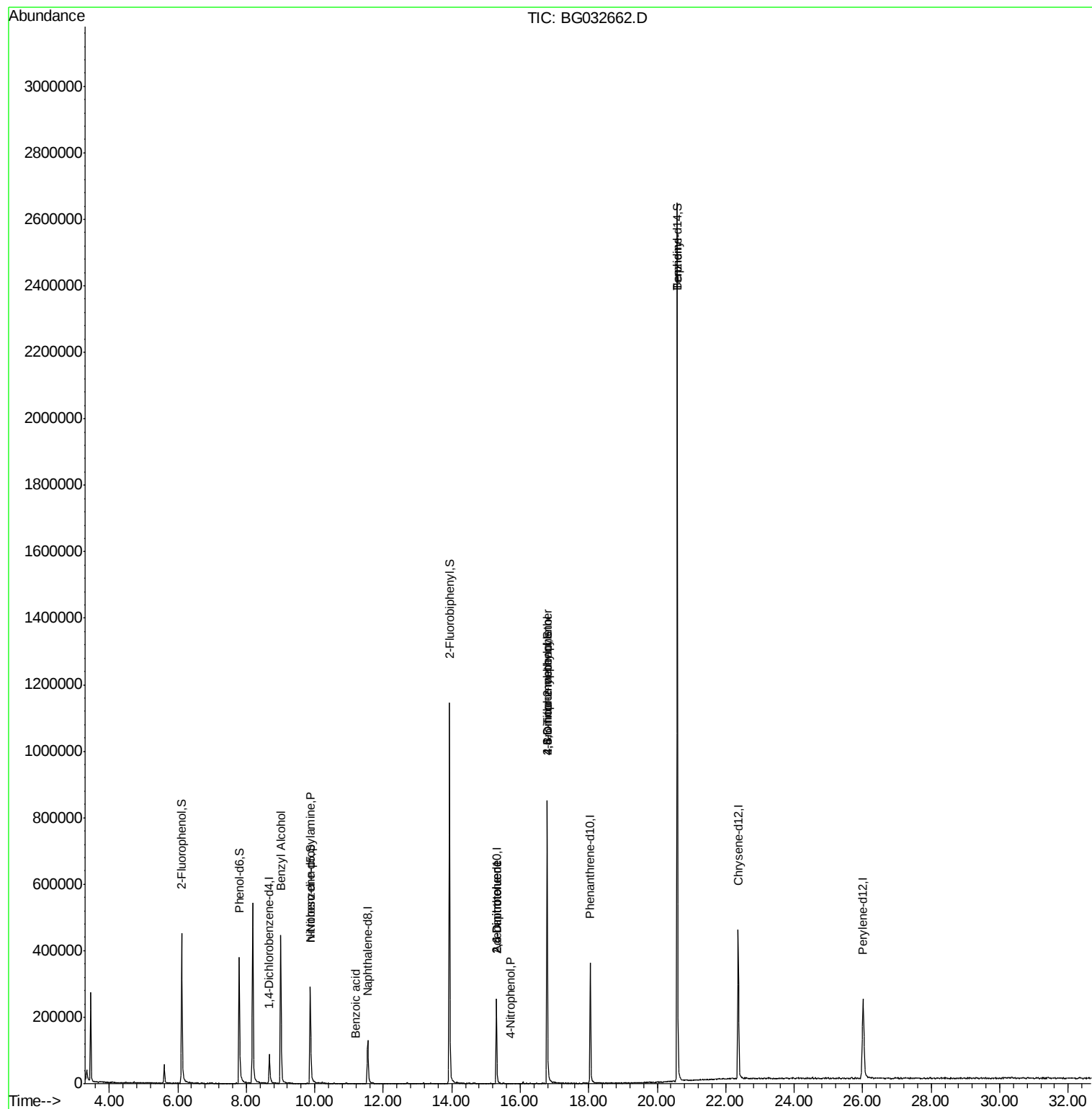
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	36541	20.00	ng	0.00
21) Naphthalene-d8	11.55	136	145034	20.00	ng	0.00
38) Acenaphthene-d10	15.31	164	106884	20.00	ng	0.00
63) Phenanthrene-d10	18.04	188	277349	20.00	ng	0.00
75) Chrysene-d12	22.37	240	357674	20.00	ng	0.00
86) Perylene-d12	26.01	264	363231	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.11	112	237601	130.46	ng	0.00
7) Phenol-d6	7.79	99	253413	101.76	ng	0.00
23) Nitrobenzene-d5	9.87	82	213292	93.47	ng	0.00
41) 2,4,6-Tribromophenol	16.78	330	185329	112.61	ng	0.00
44) 2-Fluorobiphenyl	13.93	172	717690	83.97	ng	0.00
78) Terphenyl-d14	20.59	244	1459340	92.99	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.00	79	4120	2.207	ng	# 47
19) n-Nitroso-di-n-propylamine	9.87	70	31243	18.661	ng	# 80
32) Benzoic acid	11.21	122	56	4.421	ng	# 1
50) 2,6-Dinitrotoluene	15.30	165	13262	6.970	ng	# 18
55) 4-Nitrophenol	15.72	139	59	5.530	ng	# 1
56) 2,4-Dinitrotoluene	15.30	165	13262	5.058	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.79	198	661	5.317	ng	# 61
66) 4-Bromophenyl-phenylether	16.78	248	16217	4.086	ng	# 1
76) Benzidine	20.59	184	21684	2.575	ng	# 95

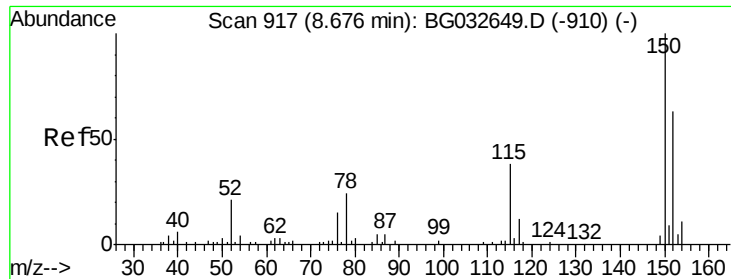
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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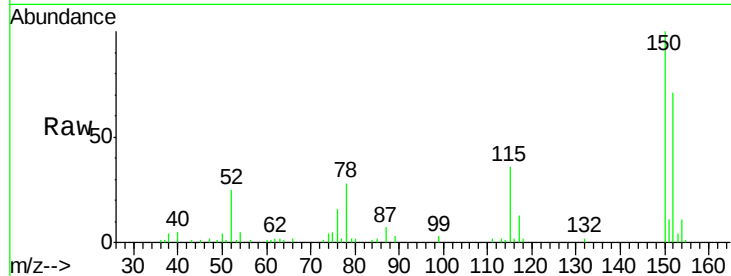


#1

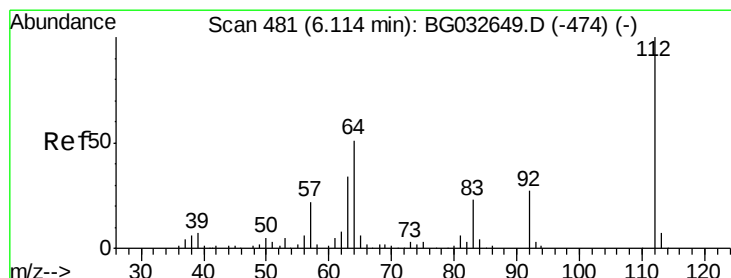
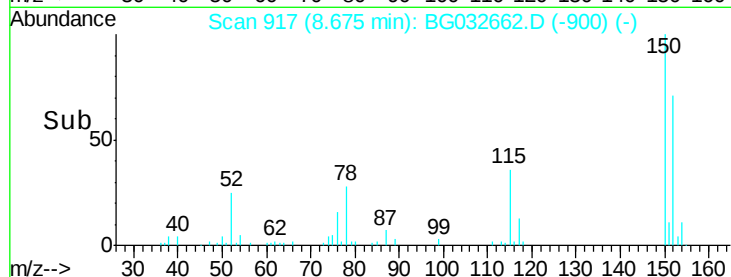
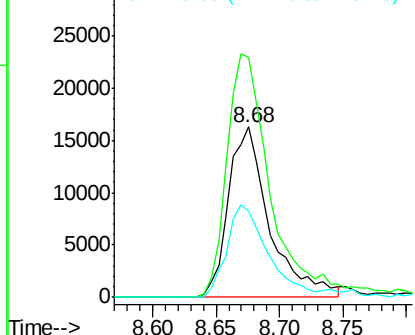
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.68 min Scan# 917
Delta R.T. -0.00 min
Lab File: BG032662.D
Acq: 13 Feb 2018 16:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36541
Ion Ratio Lower Upper
152 100
150 140.9 126.6 189.8
115 50.4 53.0 79.4#



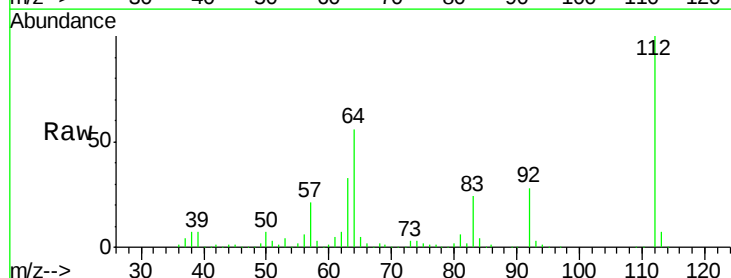
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



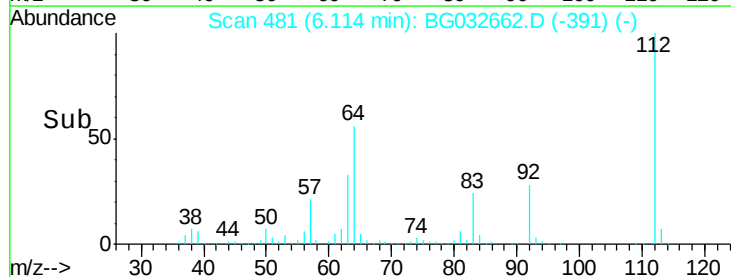
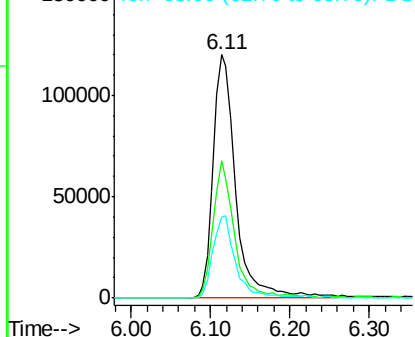
#5

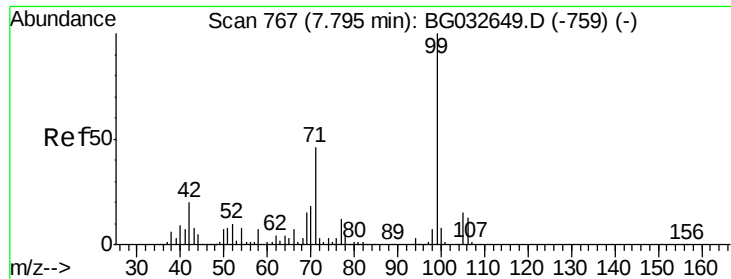
2-Fluorophenol
Concen: 130.459 ng
RT: 6.11 min Scan# 481
Delta R.T. -0.00 min
Lab File: BG032662.D
Acq: 13 Feb 2018 16:04

Tgt Ion:112 Resp: 237601
Ion Ratio Lower Upper
112 100
64 56.4 56.3 84.5
63 33.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 101.756 ng

RT: 7.79 min Scan# 767

Delta R.T. -0.00 min

Lab File: BG032662.D

Acq: 13 Feb 2018 16:04

Instrument :

BNA_G

ClientSampleId :

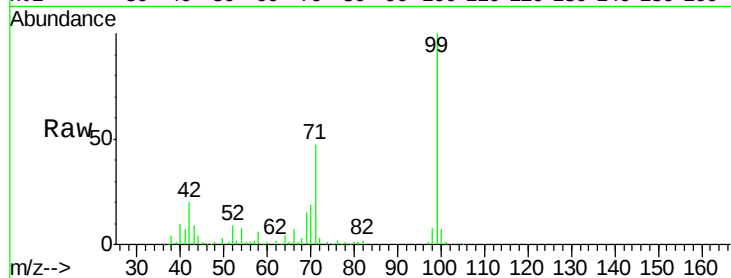
Tot Ion: 99 Resp: 253413

Ion Ratio Lower Upper

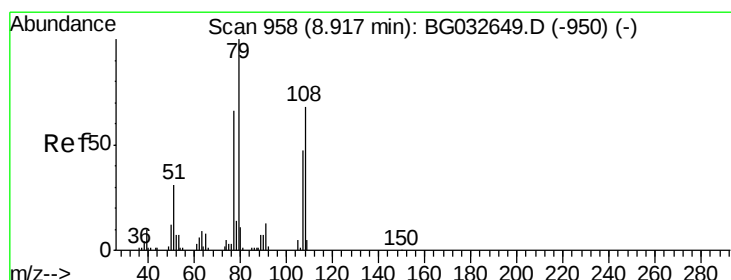
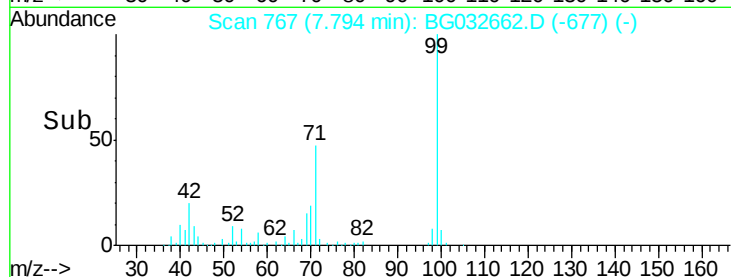
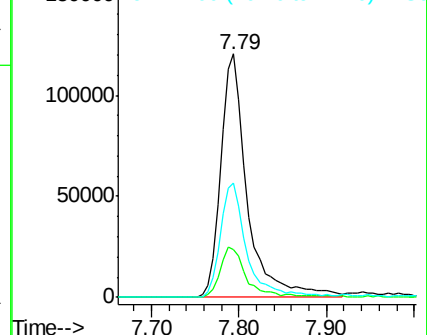
99 100

42 19.9 14.1 21.1

71 47.2 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: 2.207 ng

RT: 9.00 min Scan# 972

Delta R.T. 0.08 min

Lab File: BG032662.D

Acq: 13 Feb 2018 16:04

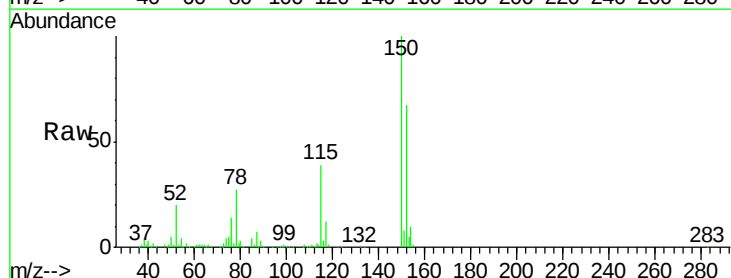
Tgt Ion: 79 Resp: 4120

Ion Ratio Lower Upper

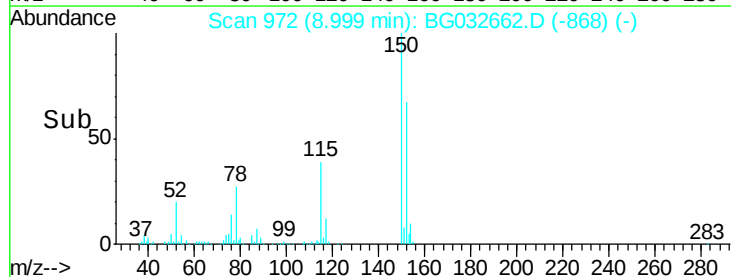
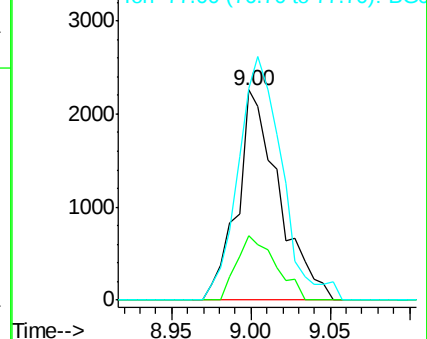
79 100

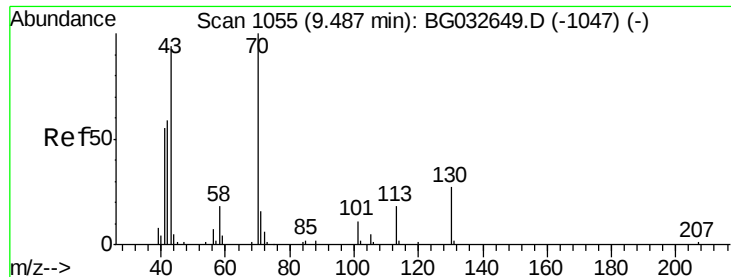
108 31.0 57.2 85.8#

77 100.6 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

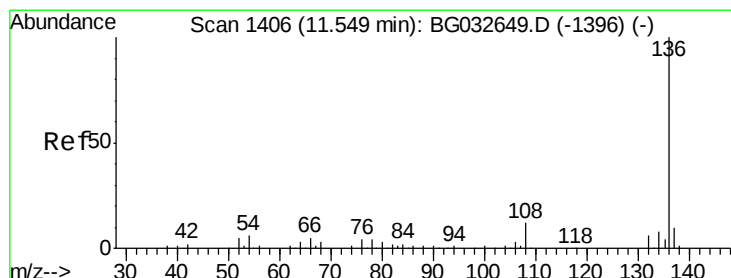
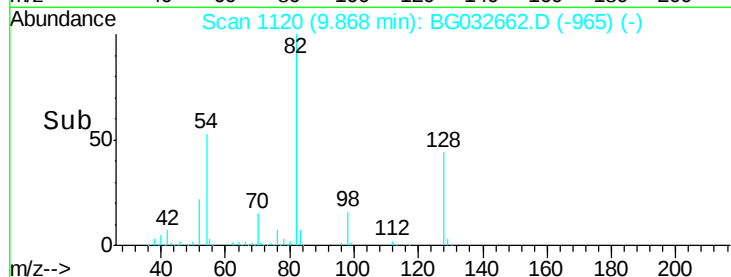
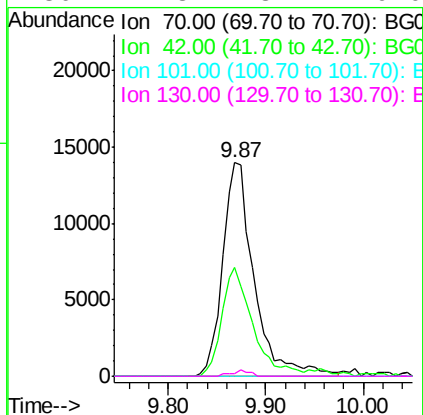
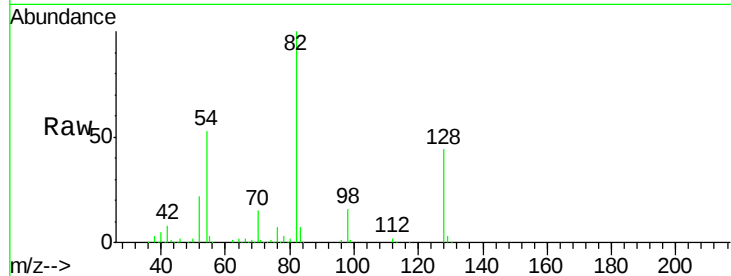




#19
n-Nitroso-di-n-propylamine
Concen: 18.661 ng
RT: 9.87 min Scan# 1120
Delta R.T. 0.38 min
Lab File: BG032662.D
Acq: 13 Feb 2018 16:04

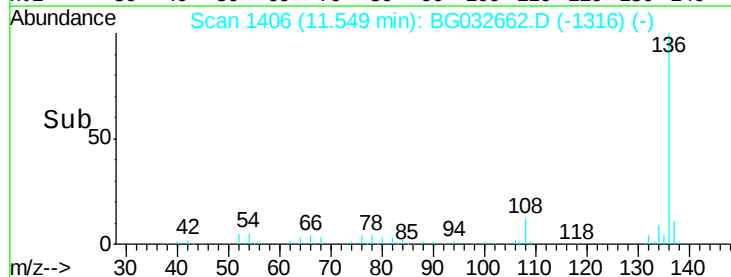
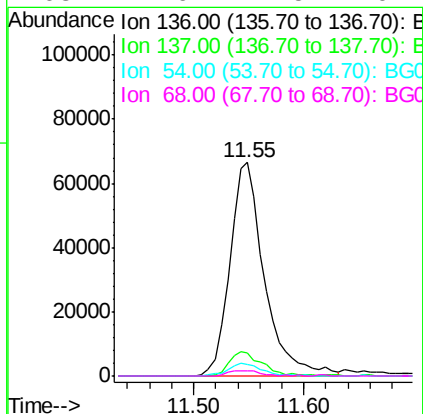
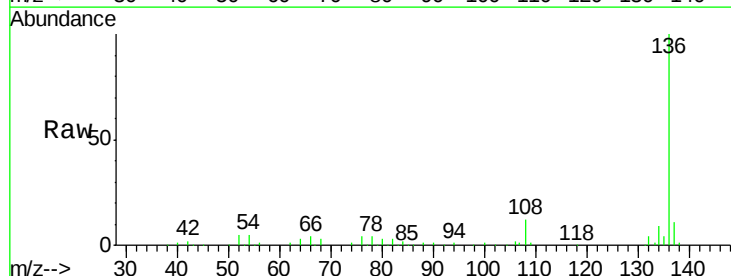
Instrument :
BNA_G
ClientSampleId :

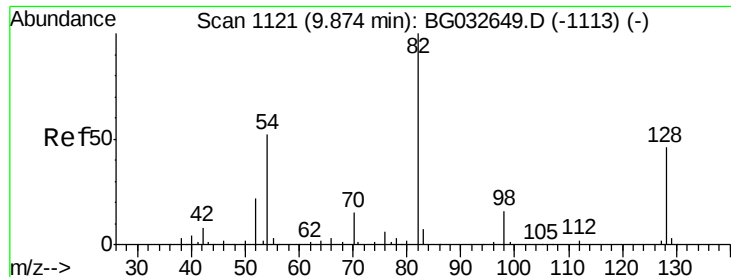
Tot Ion: 70 Resp: 31243
Ion Ratio Lower Upper
70 100
42 50.9 49.1 73.7
101 0.0 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.55 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BG032662.D
Acq: 13 Feb 2018 16:04

Tgt Ion: 136 Resp: 145034
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 5.4 10.3 15.5#
68 2.6 4.5 6.7#

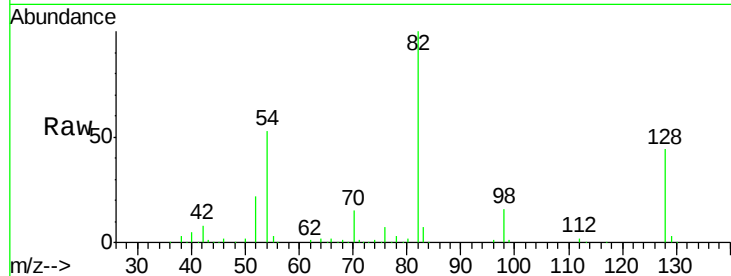




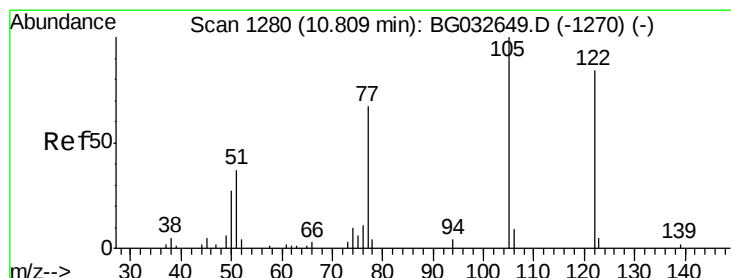
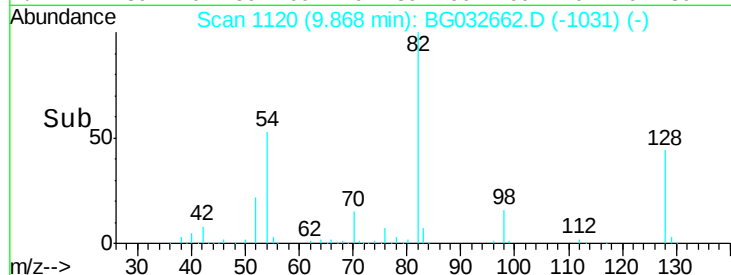
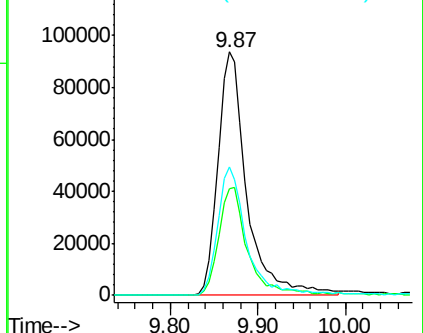
#23
 Nitrobenzene-d5
 Concen: 93.466 ng
 RT: 9.87 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BG032662.D
 Acq: 13 Feb 2018 16:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	213292
Ion Ratio	100	Lower	Upper
128	43.8	29.7	44.5
54	52.9	43.1	64.7

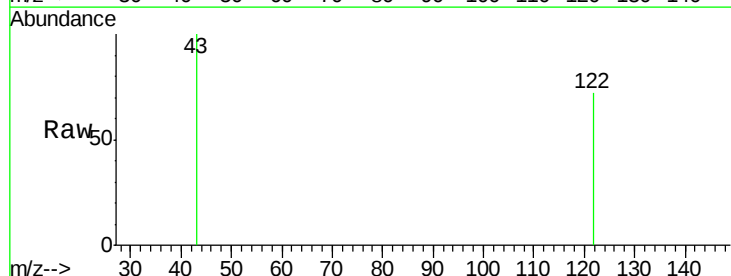


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

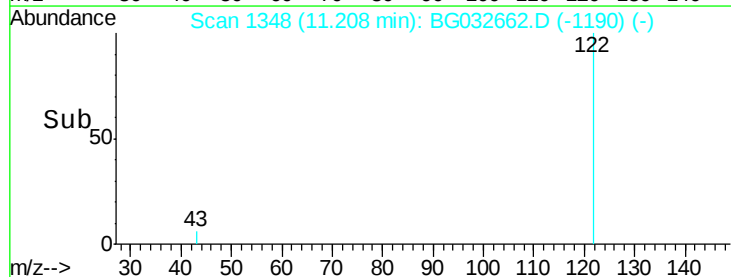
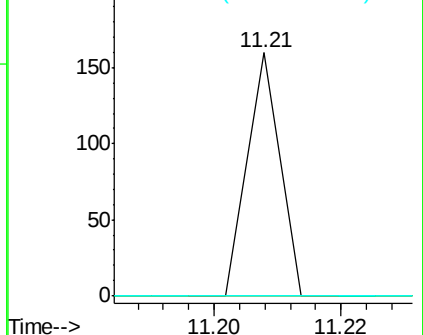


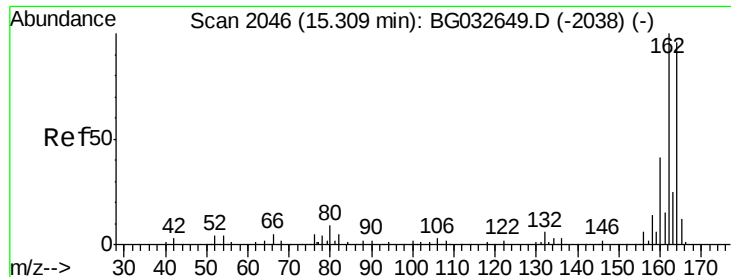
#32
 Benzoic acid
 Concen: 4.421 ng
 RT: 11.21 min Scan# 1348
 Delta R.T. 0.40 min
 Lab File: BG032662.D
 Acq: 13 Feb 2018 16:04

Tgt Ion	122	Resp	56
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.31 min Scan# 2046

Delta R.T. -0.00 min

Lab File: BG032662.D

Acq: 13 Feb 2018 16:04

Instrument :

BNA_G

ClientSampleId :

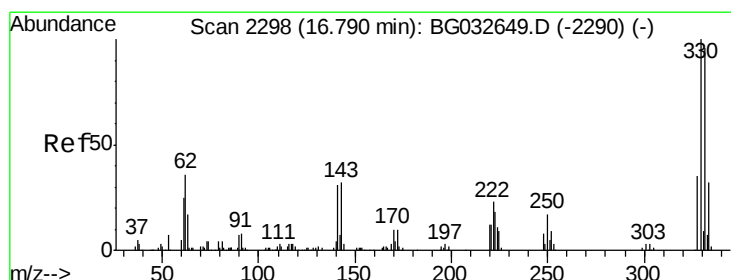
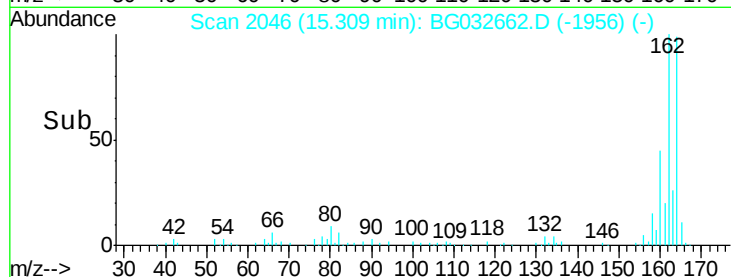
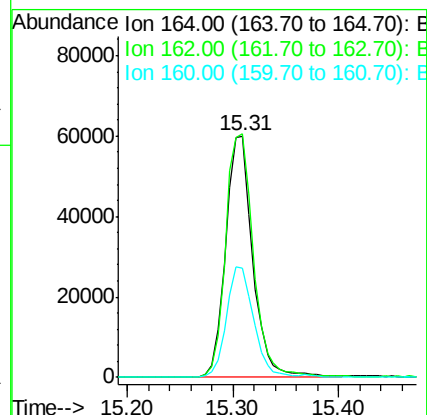
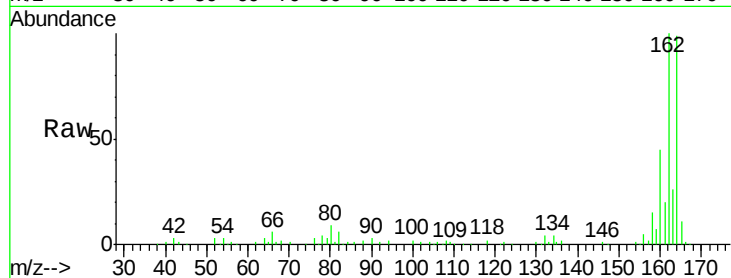
Tot Ion:164 Resp: 106884

Ion Ratio Lower Upper

164 100

162 100.9 78.8 118.2

160 45.5 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 112.608 ng

RT: 16.78 min Scan# 2297

Delta R.T. -0.01 min

Lab File: BG032662.D

Acq: 13 Feb 2018 16:04

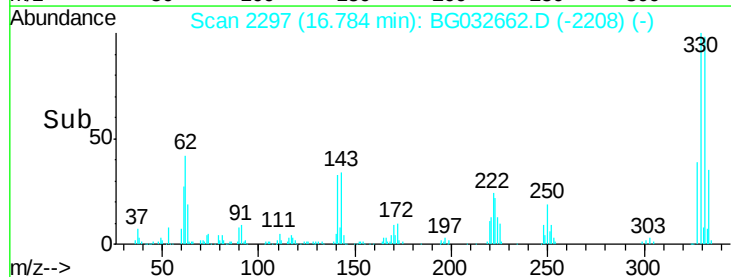
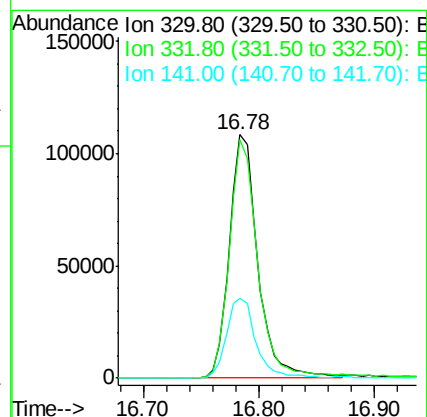
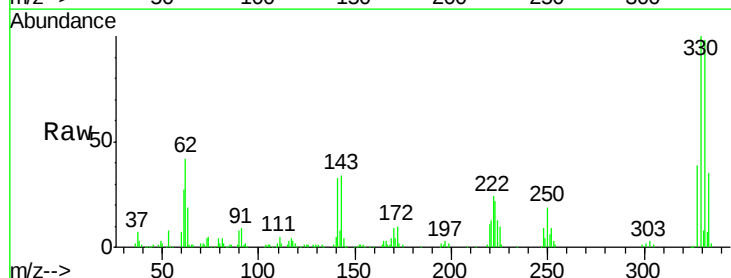
Tgt Ion:330 Resp: 185329

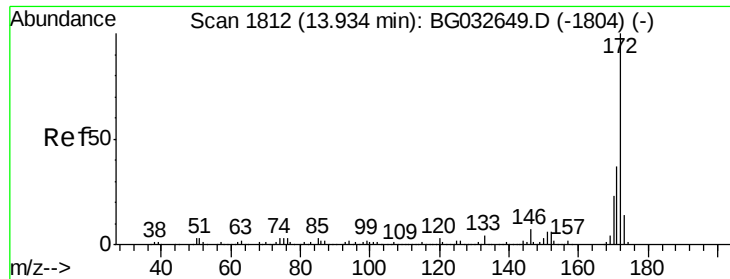
Ion Ratio Lower Upper

330 100

332 99.0 77.0 115.6

141 33.8 25.2 37.8

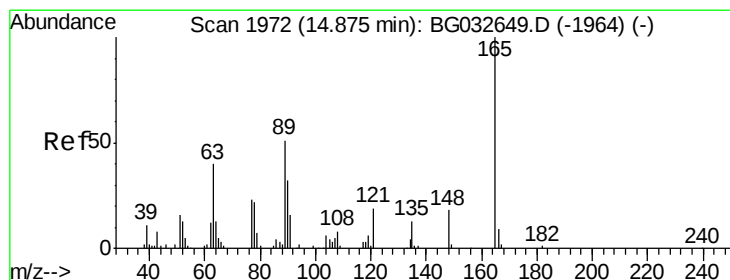
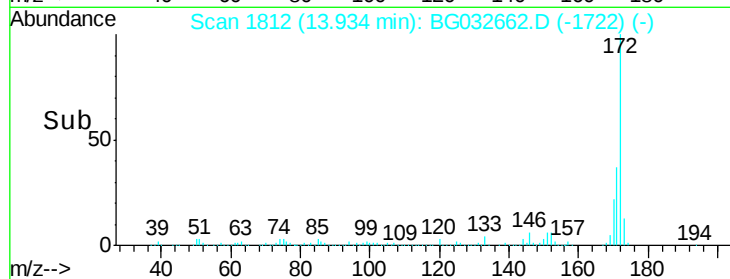
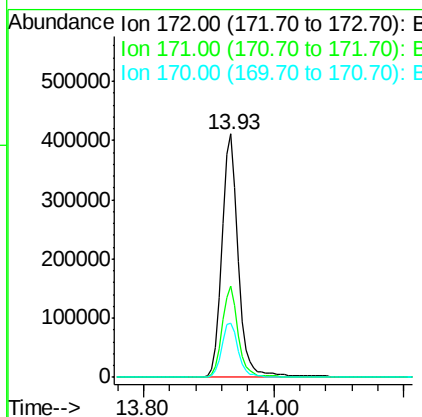
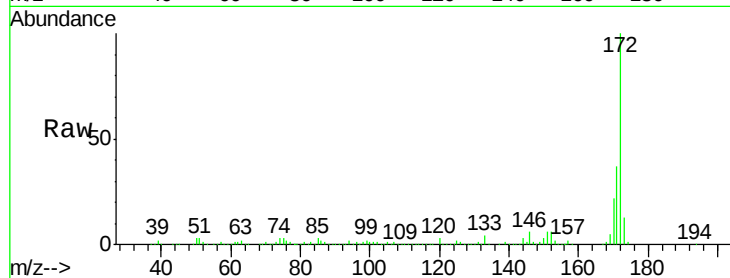




#44
 2-Fluorobiphenyl
 Concen: 83.969 ng
 RT: 13.93 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BG032662.D
 Acq: 13 Feb 2018 16:04

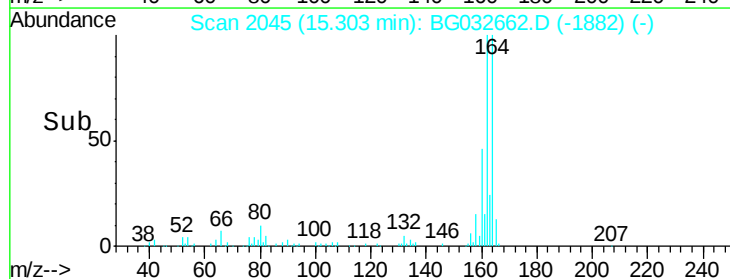
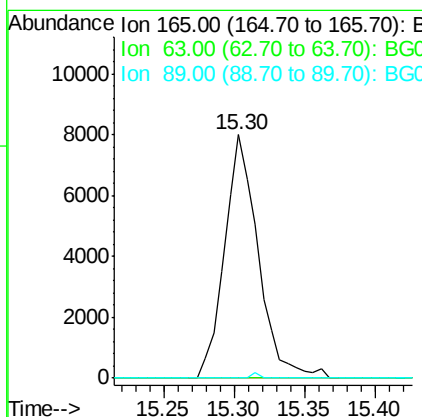
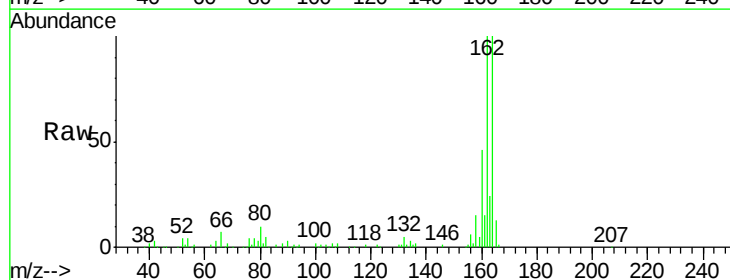
Instrument :
 BNA_G
 ClientSampleId :

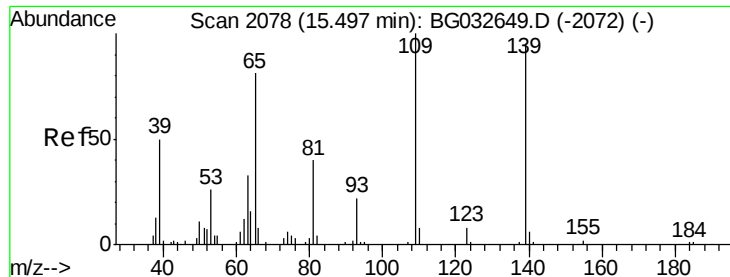
Tot Ion:172 Resp: 717690
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 22.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.970 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. 0.43 min
 Lab File: BG032662.D
 Acq: 13 Feb 2018 16:04

Tgt Ion:165 Resp: 13262
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#





#55

4-Nitrophenol

Concen: 5.530 ng

RT: 15.72 min Scan# 2116

Delta R.T. 0.22 min

Lab File: BG032662.D

Acq: 13 Feb 2018 16:04

Instrument :

BNA_G

ClientSampleId :

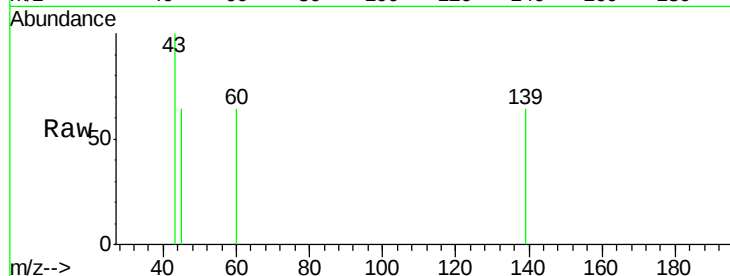
Tot Ion:139 Resp: 59

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

65 0.0 97.2 137.2#



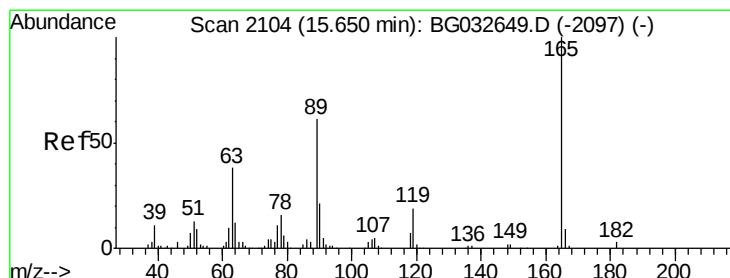
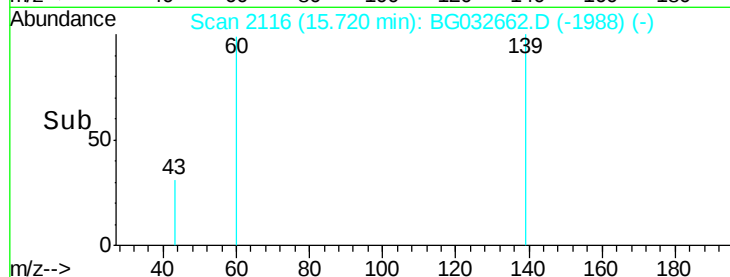
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

15.72

Time-->



#56

2,4-Dinitrotoluene

Concen: 5.058 ng

RT: 15.30 min Scan# 2045

Delta R.T. -0.35 min

Lab File: BG032662.D

Acq: 13 Feb 2018 16:04

Tgt Ion:165 Resp: 13262

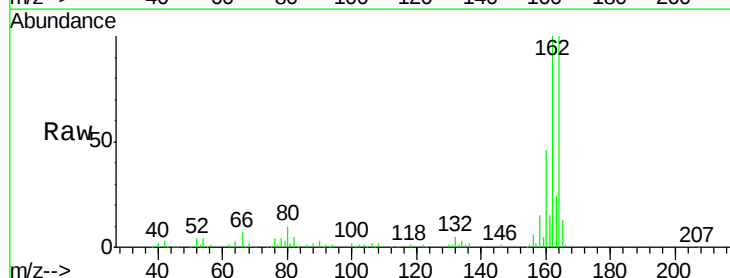
Ion Ratio Lower Upper

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

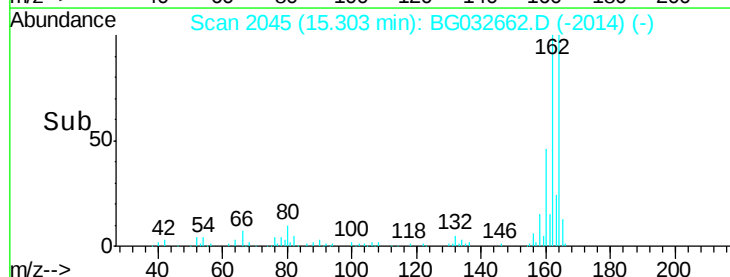
Ion 63.00 (62.70 to 63.70): BGC

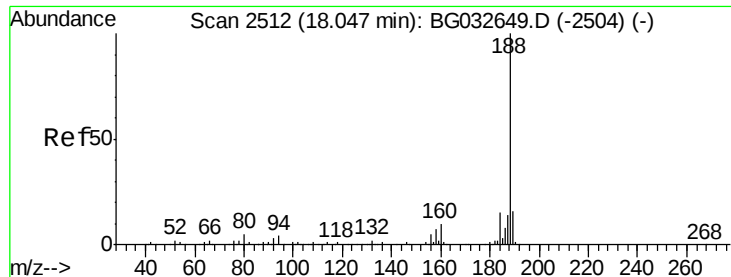
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

15.30

Time-->

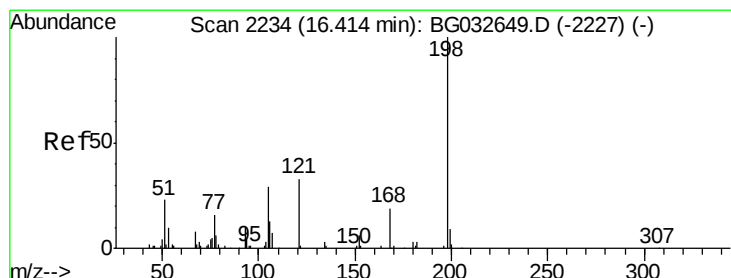
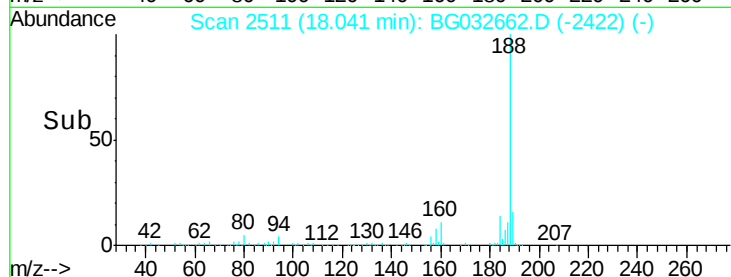
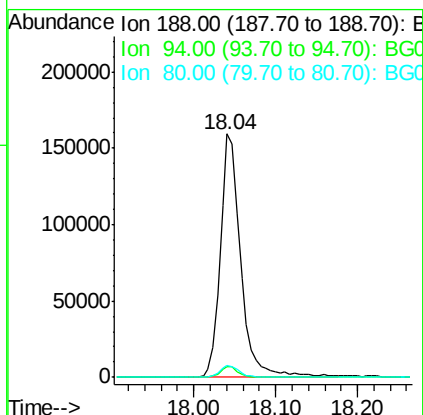
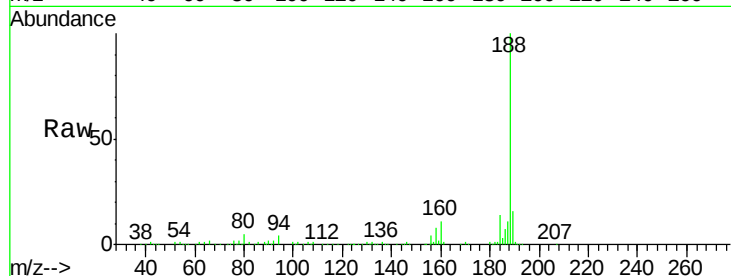




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.04 min Scan# 2511
Delta R.T. -0.01 min
Lab File: BG032662.D
Acq: 13 Feb 2018 16:04

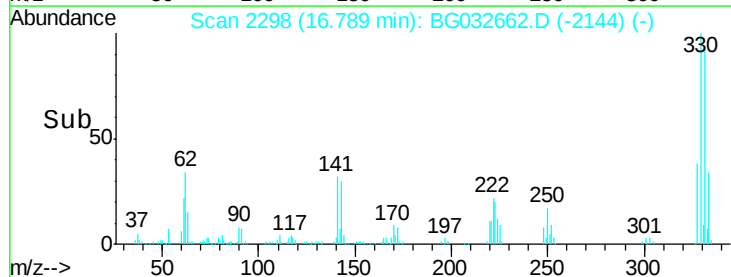
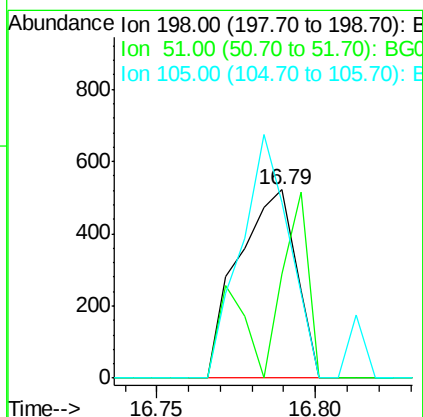
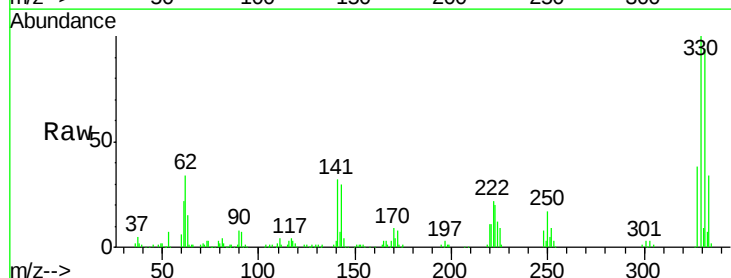
Instrument :
BNA_G
ClientSampleId :

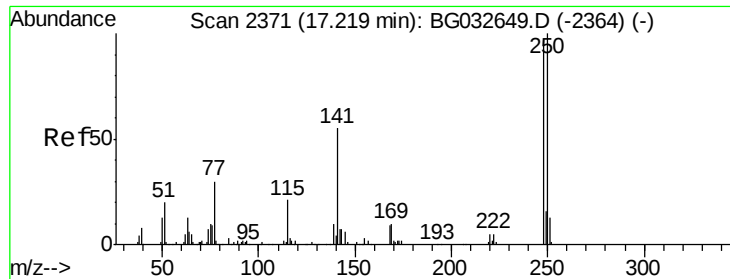
Tot Ion:188 Resp: 277349
Ion Ratio Lower Upper
188 100
94 4.4 6.9 10.3#
80 5.0 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.317 ng
RT: 16.79 min Scan# 2298
Delta R.T. 0.38 min
Lab File: BG032662.D
Acq: 13 Feb 2018 16:04

Tgt Ion:198 Resp: 661
Ion Ratio Lower Upper
198 100
51 55.1 30.6 70.6
105 93.5 23.8 63.8#

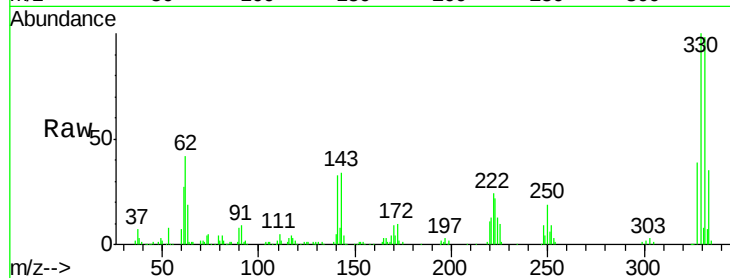




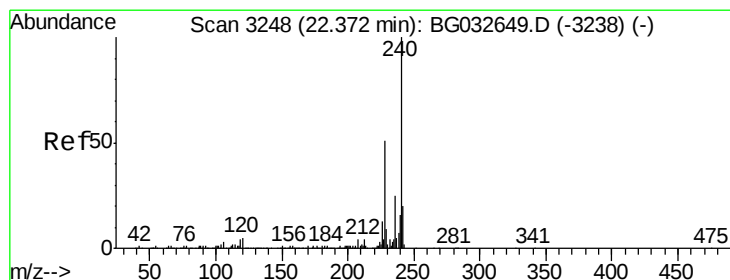
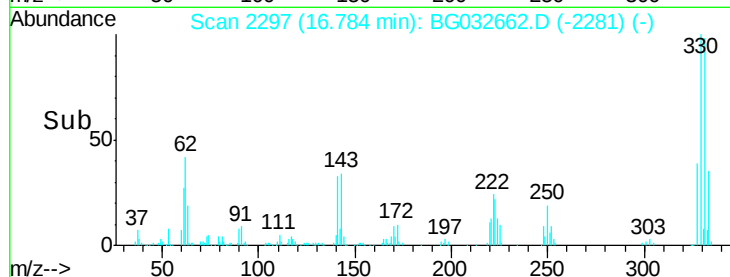
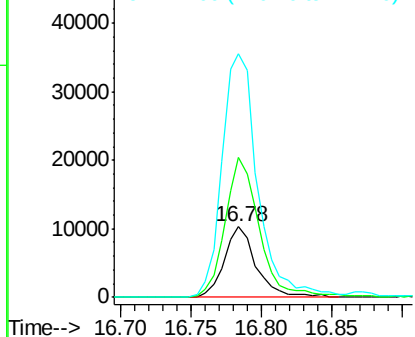
#66
 4-Bromophenyl-phenylether
 Concen: 4.086 ng
 RT: 16.78 min Scan# 2297
 Delta R.T. -0.44 min
 Lab File: BG032662.D
 Acq: 13 Feb 2018 16:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 16217
 Ion Ratio Lower Upper
 248 100
 250 197.8 77.1 115.7#
 141 345.4 50.8 76.2#

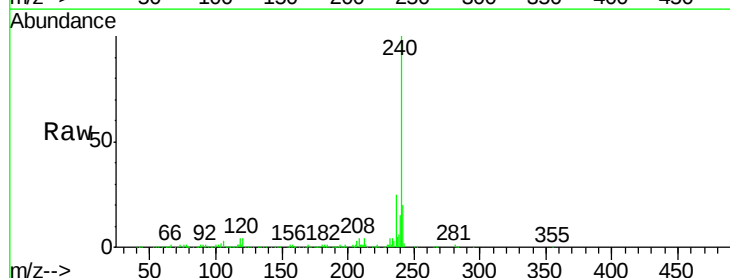


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

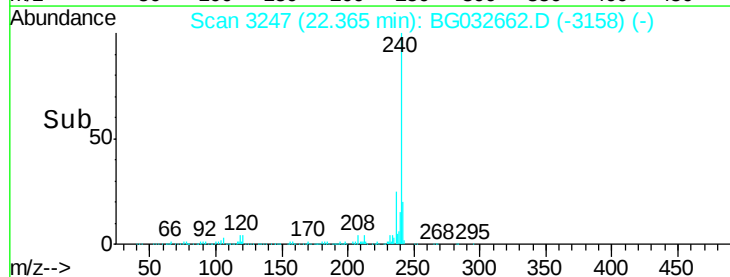
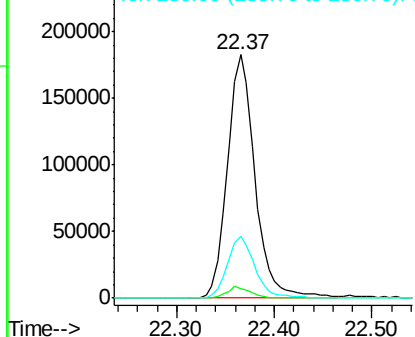


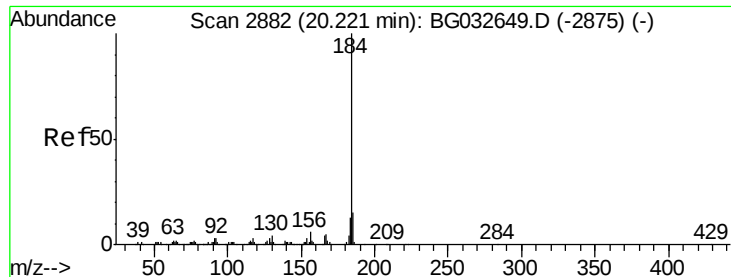
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.37 min Scan# 3247
 Delta R.T. -0.01 min
 Lab File: BG032662.D
 Acq: 13 Feb 2018 16:04

Tgt Ion:240 Resp: 357674
 Ion Ratio Lower Upper
 240 100
 120 3.9 6.8 10.2#
 236 25.3 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: 2.575 ng

RT: 20.59 min Scan# 2944

Delta R.T. 0.36 min

Lab File: BG032662.D

Acq: 13 Feb 2018 16:04

Instrument :

BNA_G

ClientSampleId :

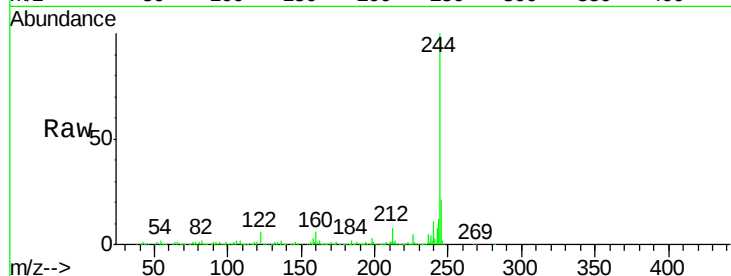
Tot Ion:184 Resp: 21684

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

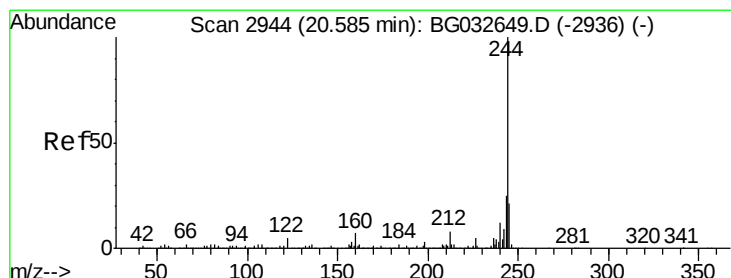
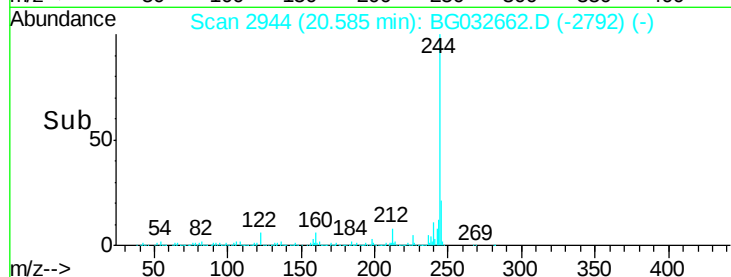
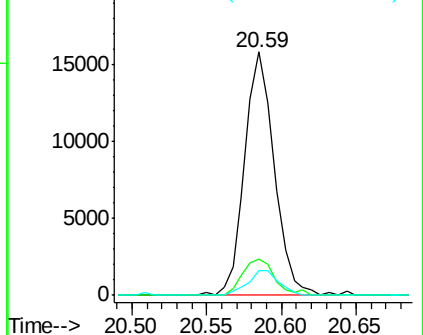
183 10.2 10.6 16.0#



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: 92.994 ng

RT: 20.59 min Scan# 2944

Delta R.T. -0.00 min

Lab File: BG032662.D

Acq: 13 Feb 2018 16:04

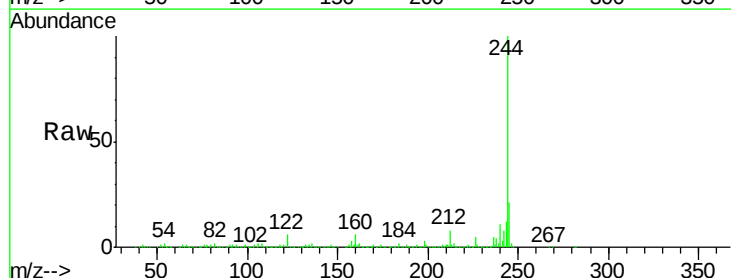
Tgt Ion:244 Resp: 1459340

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

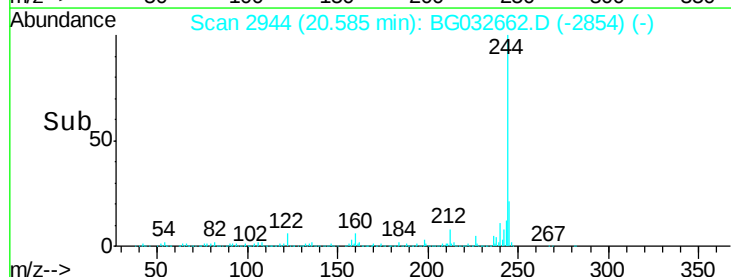
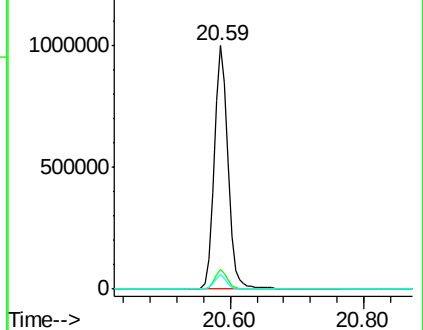
122 5.7 7.0 10.4#

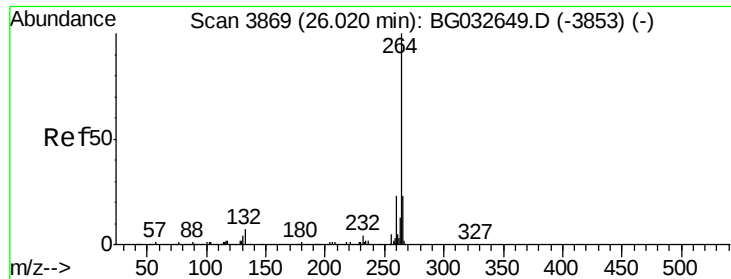


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.01 min Scan# 3867
Delta R.T. -0.01 min
Lab File: BG032662.D
Acq: 13 Feb 2018 16:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	23.0	17.7	26.5

