

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011718\
 Data File : BG032114.D
 Acq On : 17 Jan 2018 23:36
 Operator : SJ/JU
 Sample : J1163-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 18 05:20:33 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

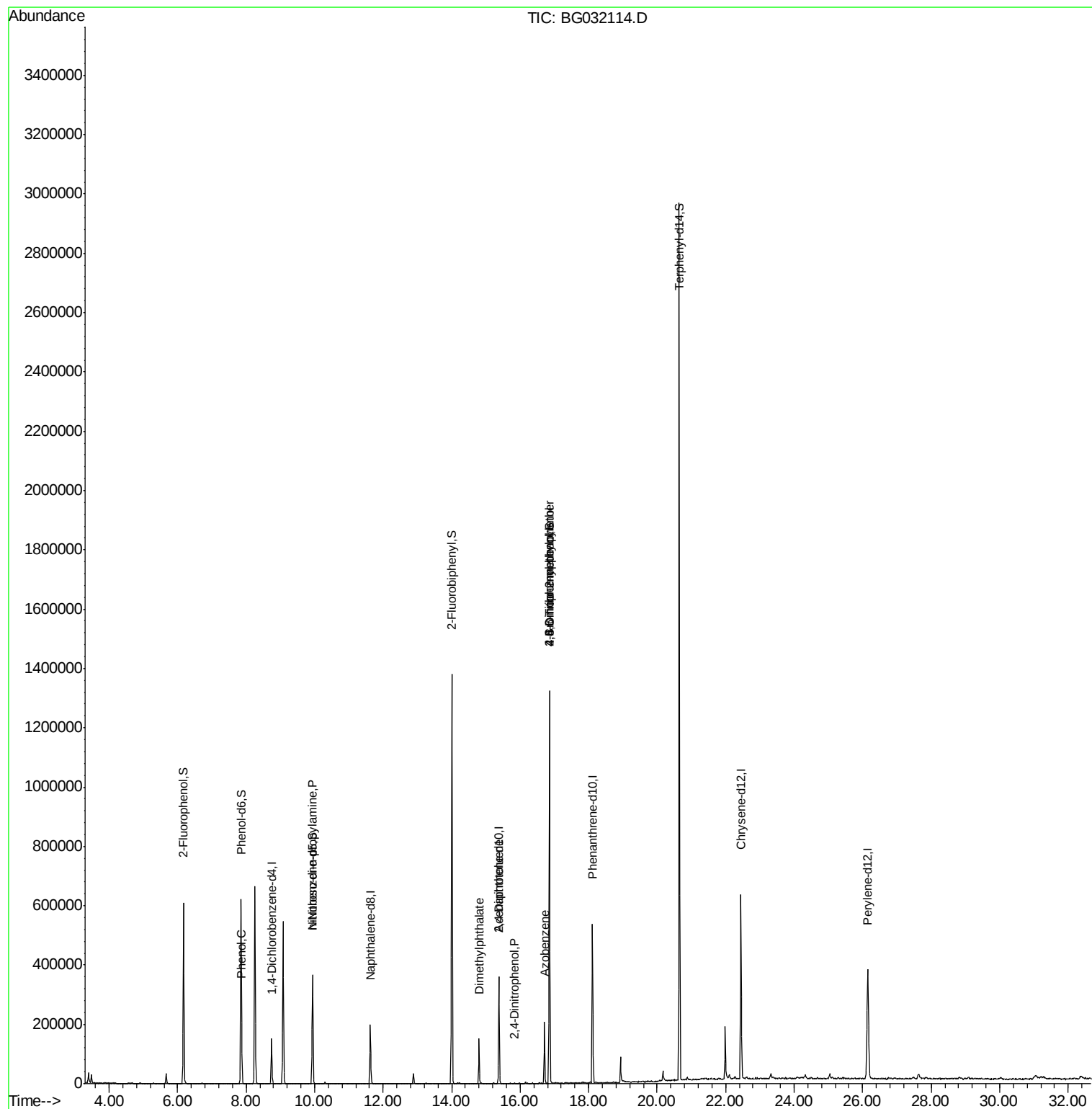
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	50343	20.00	ng	-0.03
21) Naphthalene-d8	11.63	136	201616	20.00	ng	-0.03
38) Acenaphthene-d10	15.38	164	139031	20.00	ng	-0.03
63) Phenanthrene-d10	18.11	188	386673	20.00	ng	-0.03
75) Chrysene-d12	22.44	240	472212	20.00	ng	-0.04
86) Perylene-d12	26.15	264	497501	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	316103	114.84	ng	-0.03
7) Phenol-d6	7.85	99	401941	115.94	ng	-0.03
23) Nitrobenzene-d5	9.94	82	236243	79.27	ng	-0.03
41) 2,4,6-Tribromophenol	16.86	330	298765	129.86	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	833546	74.34	ng	-0.03
78) Terphenyl-d14	20.65	244	1620198	75.76	ng	-0.03
Target Compounds						
10) Phenol	7.87	94	15858	4.644	ng	83
19) n-Nitroso-di-n-propylamine	9.94	70	34034	15.823	ng	# 67
49) Dimethylphthalate	14.80	163	107602	8.844	ng	99
53) 2,4-Dinitrophenol	15.81	184	61	7.008	ng	# 1
56) 2,4-Dinitrotoluene	15.38	165	18058	5.311	ng	# 18
62) Azobenzene	16.71	77	53510	7.248	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.86	198	948	5.228	ng	79
66) 4-Bromophenyl-phenylether	16.86	248	24910	4.528	ng	# 1

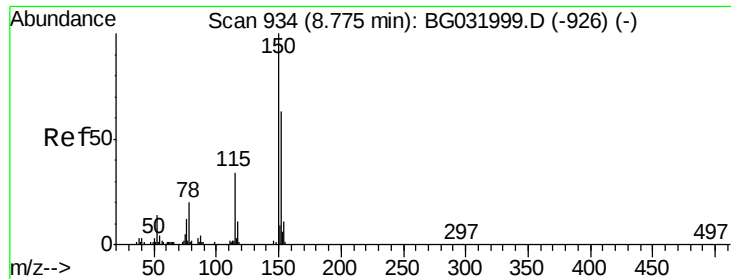
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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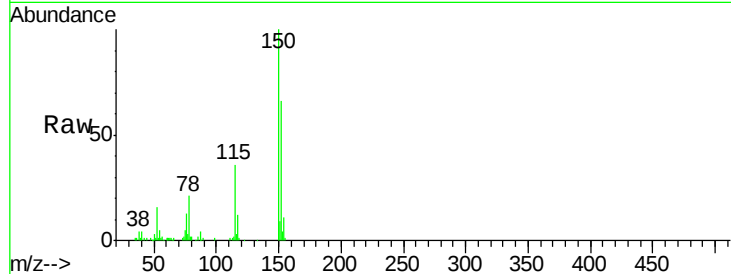


#1

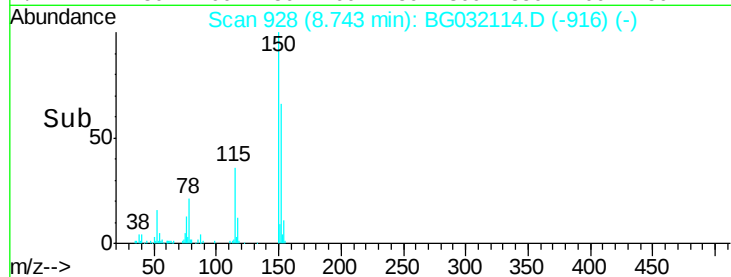
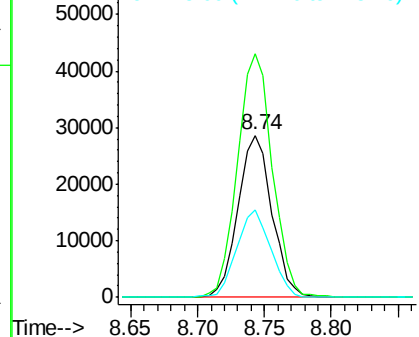
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.03 min
Lab File: BG032114.D
Acq: 17 Jan 2018 23:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50343
Ion Ratio Lower Upper
152 100
150 150.5 126.6 189.8
115 53.8 53.0 79.4



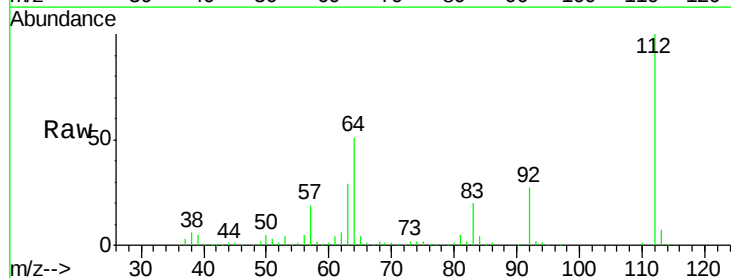
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



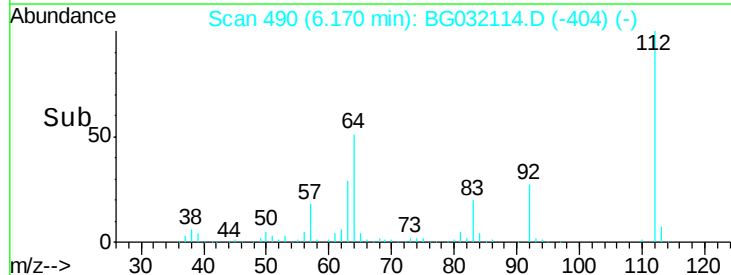
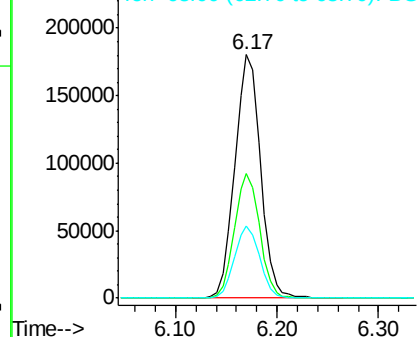
#5

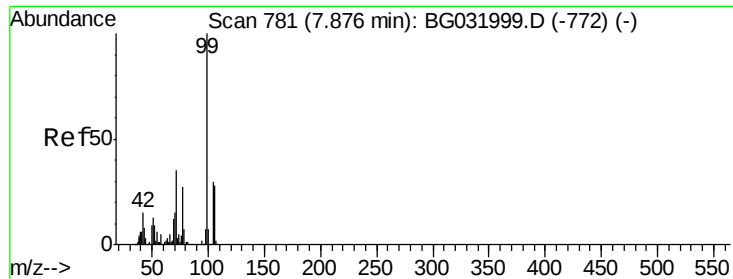
2-Fluorophenol
Concen: 114.838 ng
RT: 6.17 min Scan# 490
Delta R.T. -0.03 min
Lab File: BG032114.D
Acq: 17 Jan 2018 23:36

Tgt Ion:112 Resp: 316103
Ion Ratio Lower Upper
112 100
64 51.2 56.3 84.5#
63 29.5 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: 115.943 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.03 min

Lab File: BG032114.D

Acq: 17 Jan 2018 23:36

Instrument :

BNA_G

ClientSampled :

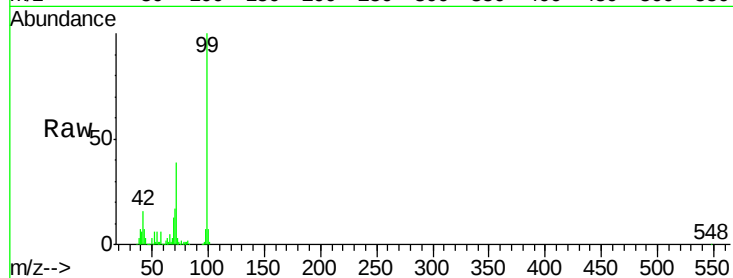
Tot Ion: 99 Resp: 401941

Ion Ratio Lower Upper

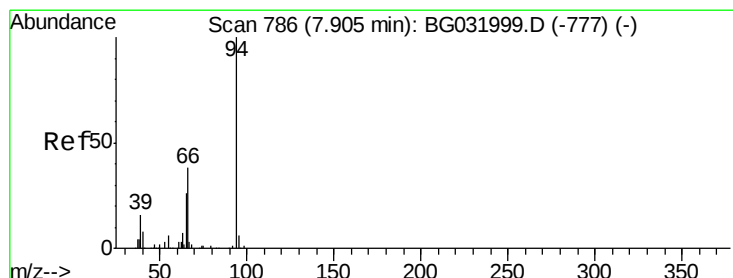
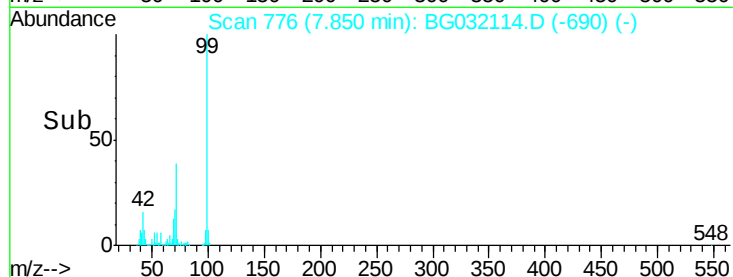
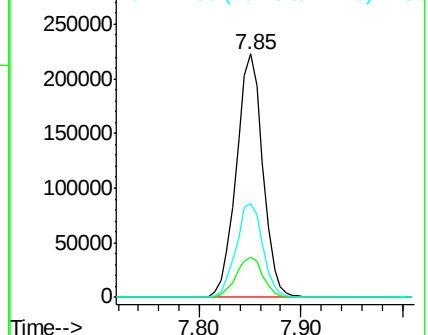
99 100

42 16.2 14.1 21.1

71 38.5 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



#10

Phenol

Concen: 4.644 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.03 min

Lab File: BG032114.D

Acq: 17 Jan 2018 23:36

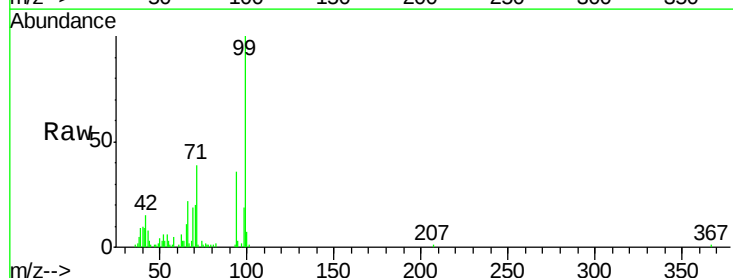
Tgt Ion: 94 Resp: 15858

Ion Ratio Lower Upper

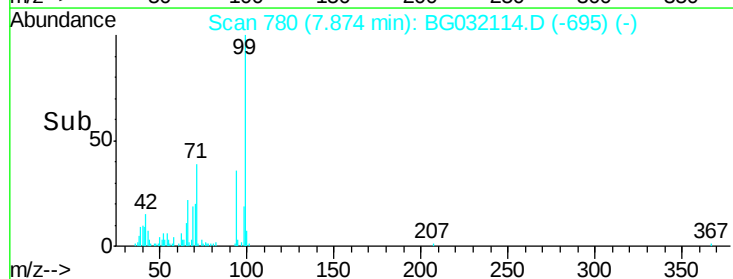
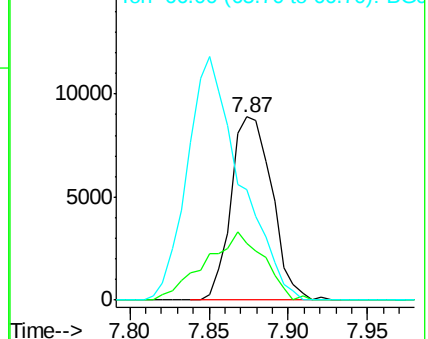
94 100

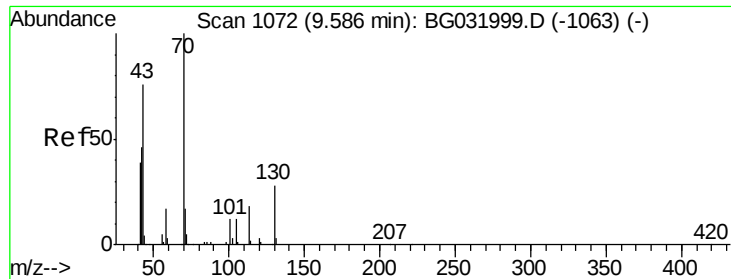
65 31.3 11.9 51.9

66 60.3 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

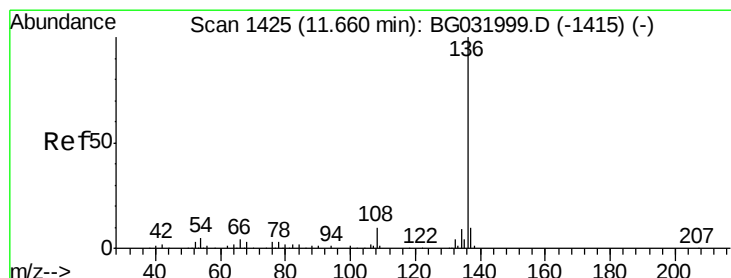
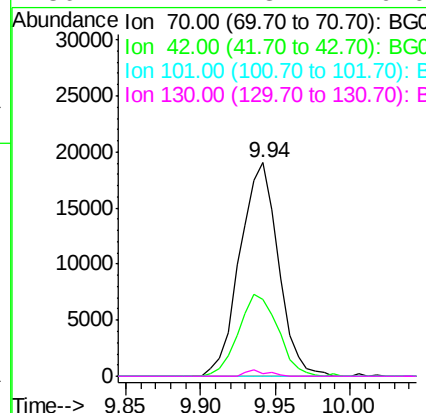
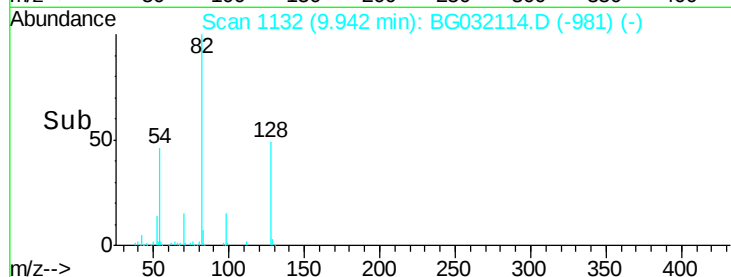
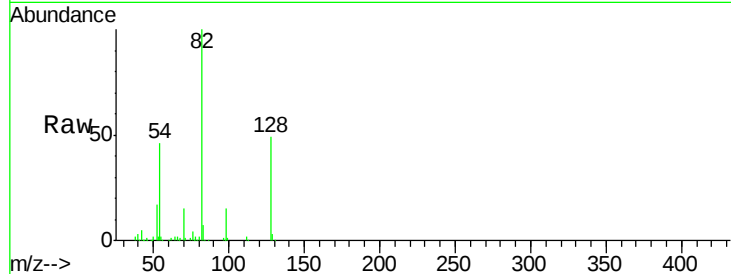




#19
n-Nitroso-di-n-propylamine
Concen: 15.823 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.36 min
Lab File: BG032114.D
Acq: 17 Jan 2018 23:36

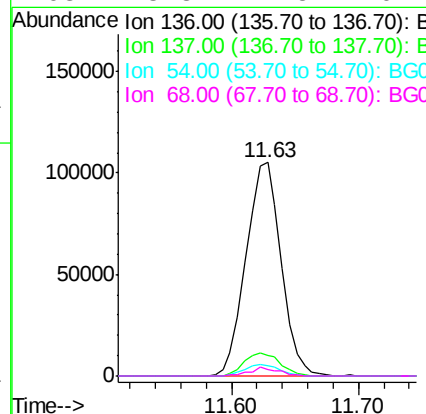
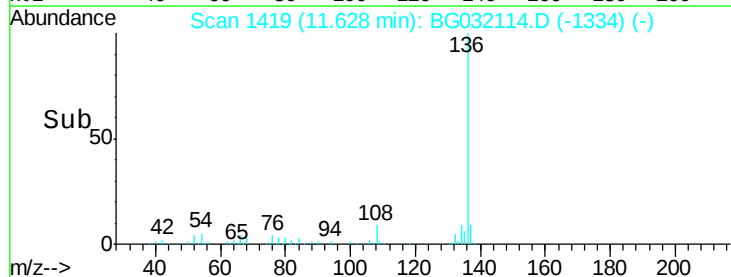
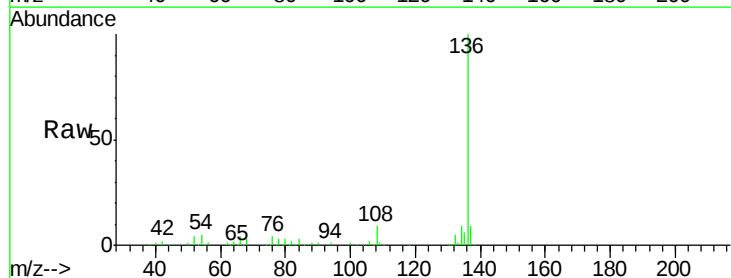
Instrument :
BNA_G
ClientSampleId :

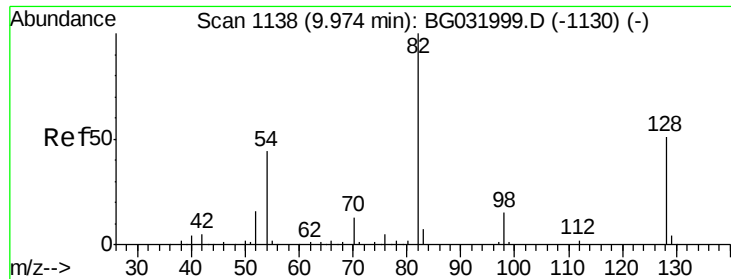
Tot Ion: 70 Resp: 34034
Ion Ratio Lower Upper
70 100
42 35.7 49.1 73.7#
101 0.0 8.5 12.7#
130 1.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.03 min
Lab File: BG032114.D
Acq: 17 Jan 2018 23:36

Tgt Ion: 136 Resp: 201616
Ion Ratio Lower Upper
136 100
137 9.4 9.2 13.8
54 4.9 10.3 15.5#
68 3.3 4.5 6.7#

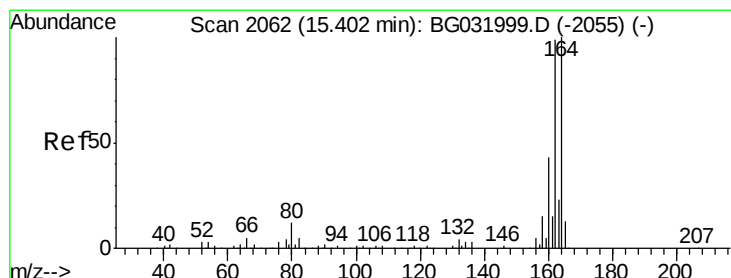
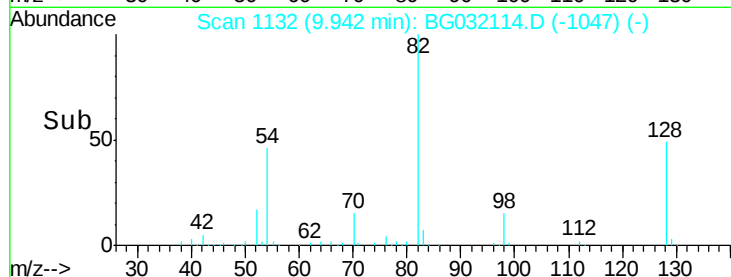
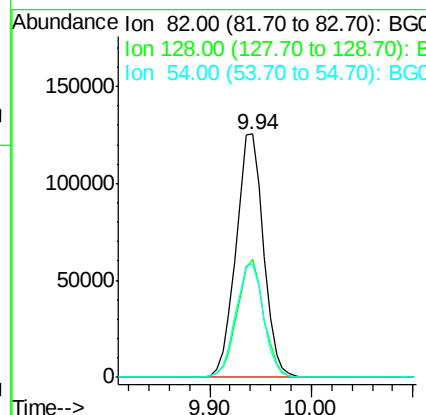
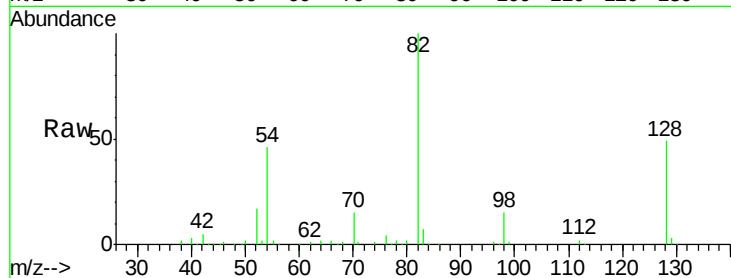




#23
 Nitrobenzene-d5
 Concen: 79.274 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.03 min
 Lab File: BG032114.D
 Acq: 17 Jan 2018 23:36

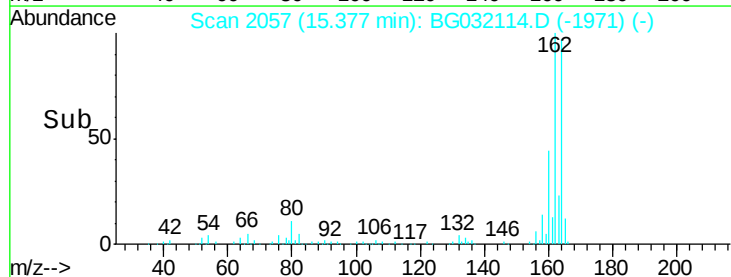
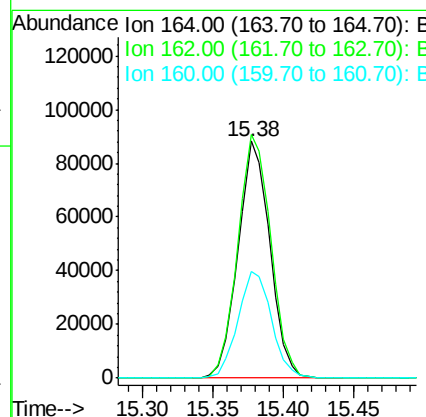
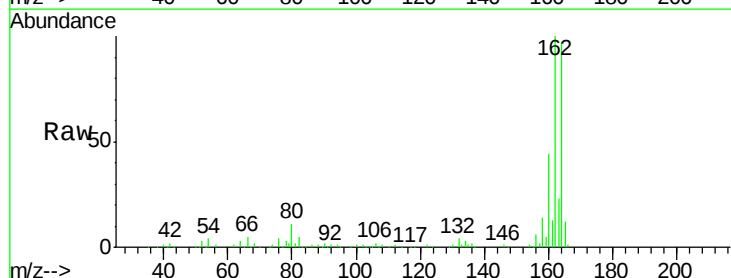
Instrument :
 BNA_G
 ClientSampleId :

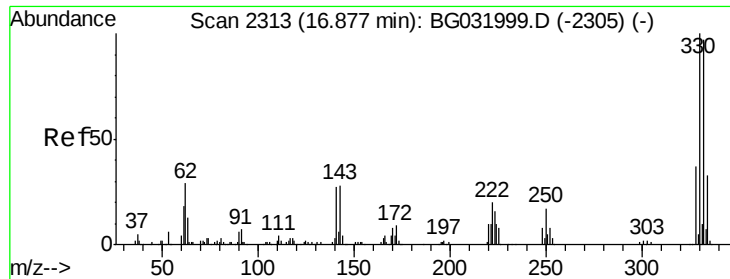
Tot Ion: 82 Resp: 236243
 Ion Ratio Lower Upper
 82 100
 128 48.7 29.7 44.5#
 54 46.3 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. -0.03 min
 Lab File: BG032114.D
 Acq: 17 Jan 2018 23:36

Tgt Ion:164 Resp: 139031
 Ion Ratio Lower Upper
 164 100
 162 102.7 78.8 118.2
 160 44.9 35.4 53.0

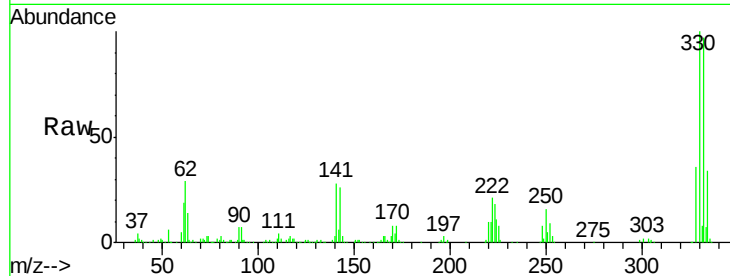




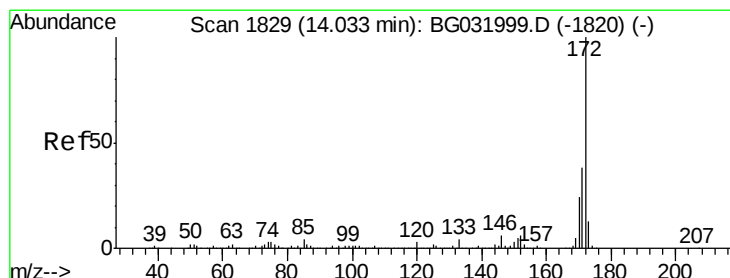
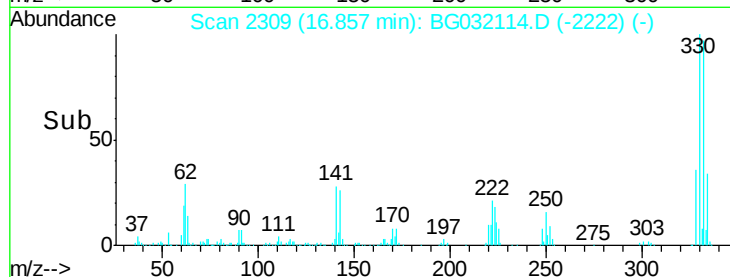
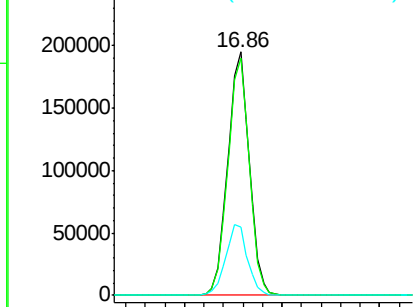
#41
 2,4,6-Tribromophenol
 Concen: 129.862 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. -0.02 min
 Lab File: BG032114.D
 Acq: 17 Jan 2018 23:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	29.2	25.2	37.8

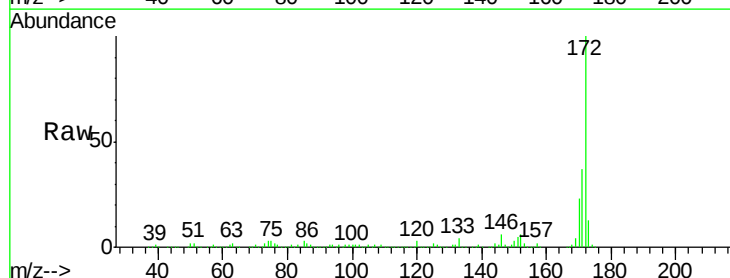


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

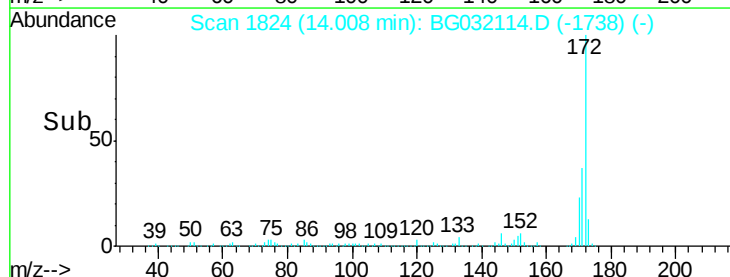
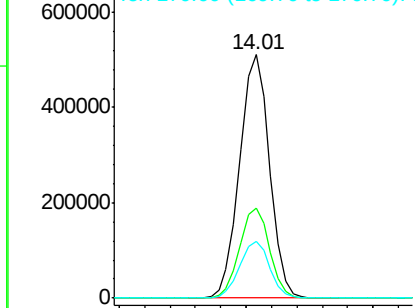


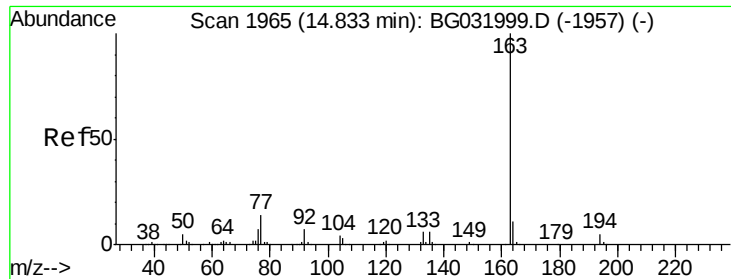
#44
 2-Fluorobiphenyl
 Concen: 74.340 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. -0.03 min
 Lab File: BG032114.D
 Acq: 17 Jan 2018 23:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	23.4	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





#49

Dimethylphthalate

Concen: 8.844 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.03 min

Lab File: BG032114.D

Acq: 17 Jan 2018 23:36

Instrument :

BNA_G

ClientSampleId :

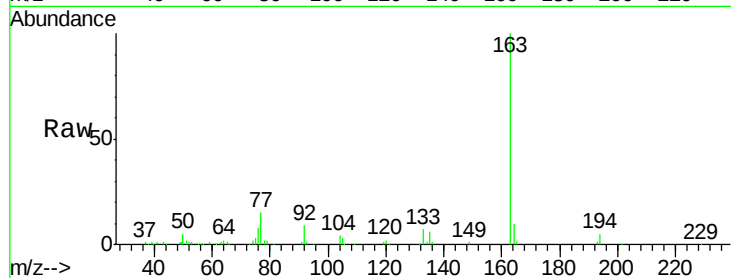
Tot Ion:163 Resp: 107602

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.2

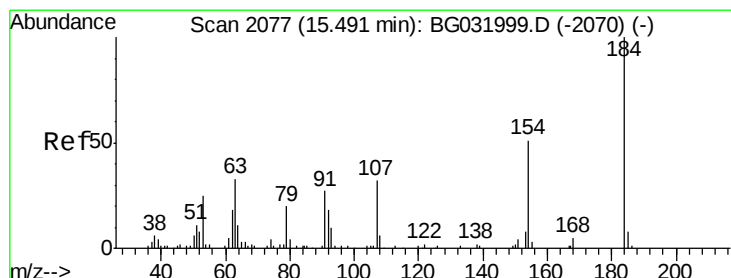
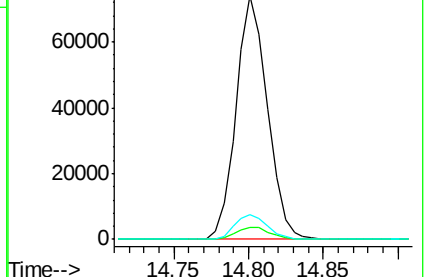
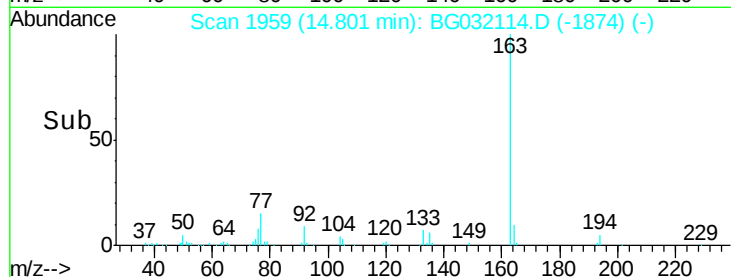
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 7.008 ng

RT: 15.81 min Scan# 2131

Delta R.T. 0.32 min

Lab File: BG032114.D

Acq: 17 Jan 2018 23:36

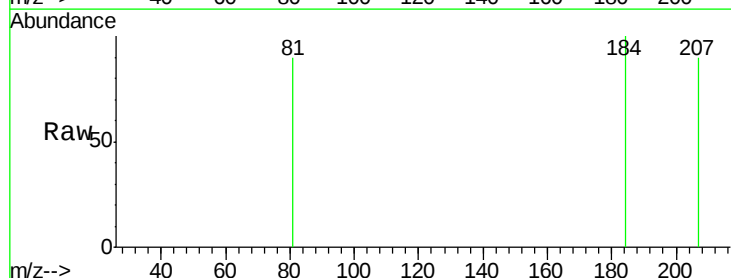
Tgt Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

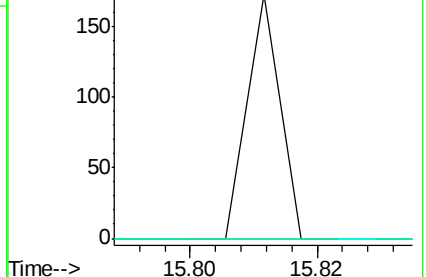
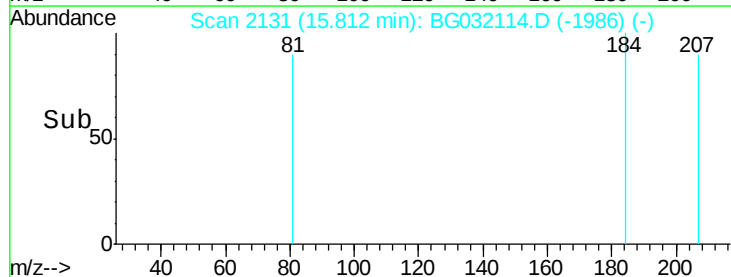
154 0.0 101.8 152.8#

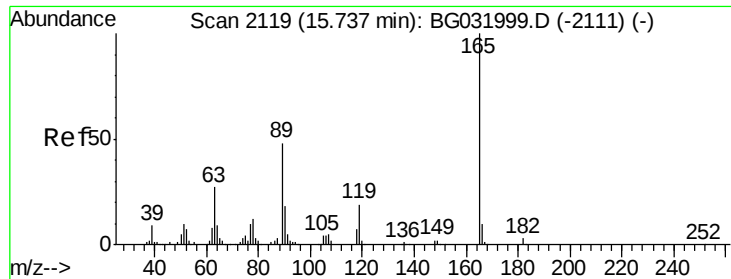


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

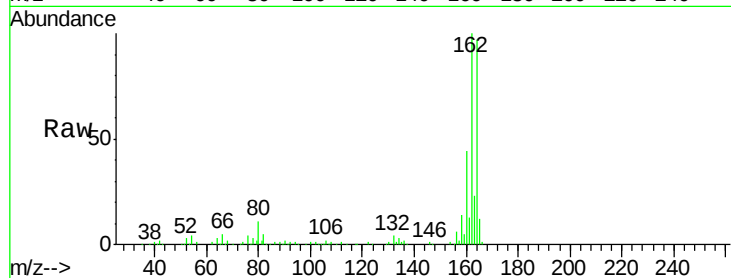




#56
 2,4-Dinitrotoluene
 Concen: 5.311 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. -0.36 min
 Lab File: BG032114.D
 Acq: 17 Jan 2018 23:36

Instrument :
 BNA_G
 ClientSampleId :

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



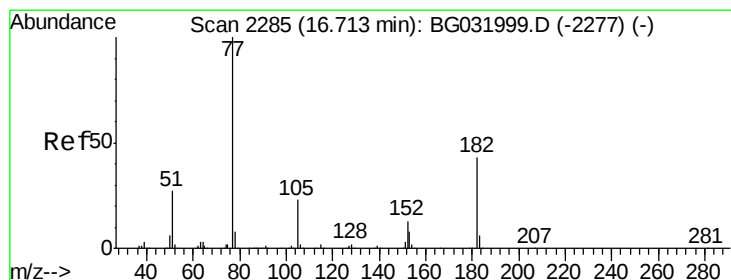
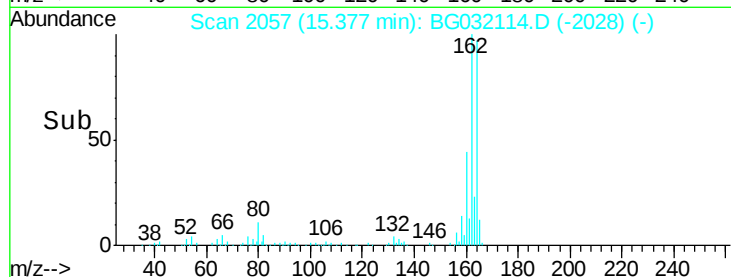
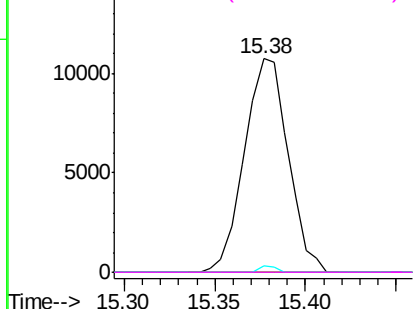
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

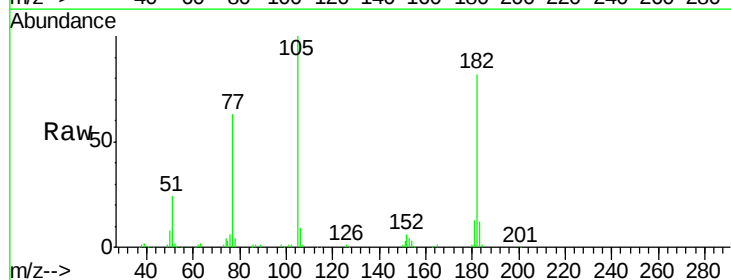
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#62
 Azobenzene
 Concen: 7.248 ng
 RT: 16.71 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: BG032114.D
 Acq: 17 Jan 2018 23:36

Tgt Ion	Ratio	Lower	Upper
77	100		
182	130.5	7.4	47.4#
105	159.4	0.3	40.3#
51	37.7	11.6	51.6



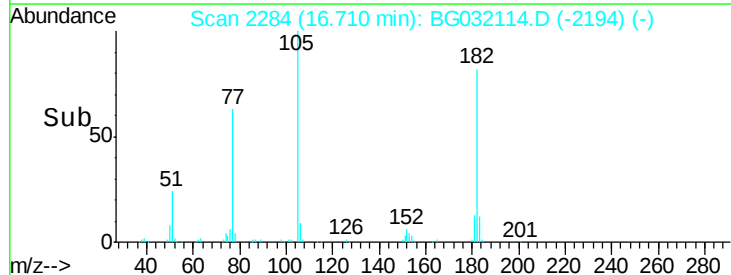
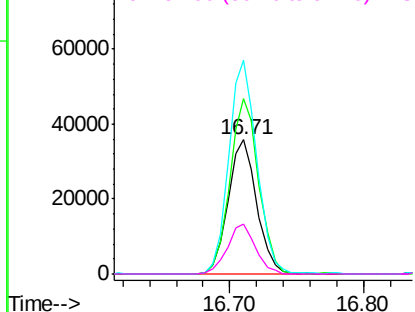
Abundance

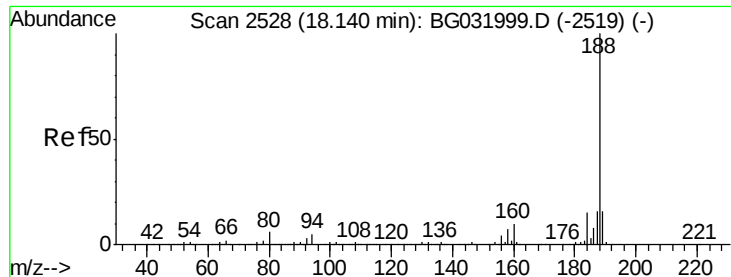
Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2522

Delta R.T. -0.03 min

Lab File: BG032114.D

Acq: 17 Jan 2018 23:36

Instrument :

BNA_G

ClientSampleId :

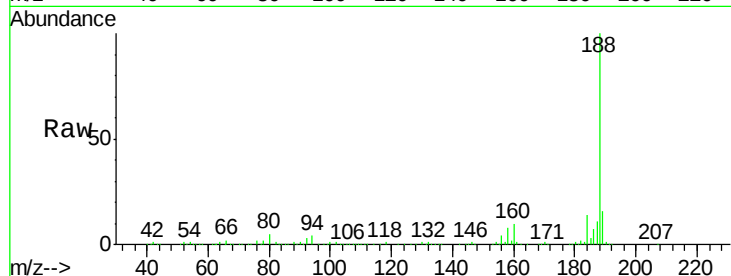
Tot Ion:188 Resp: 386673

Ion Ratio Lower Upper

188 100

94 4.4 6.9 10.3#

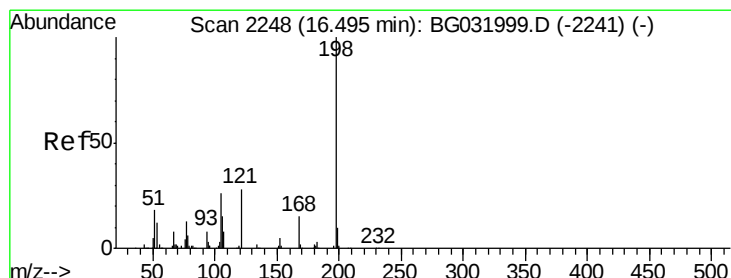
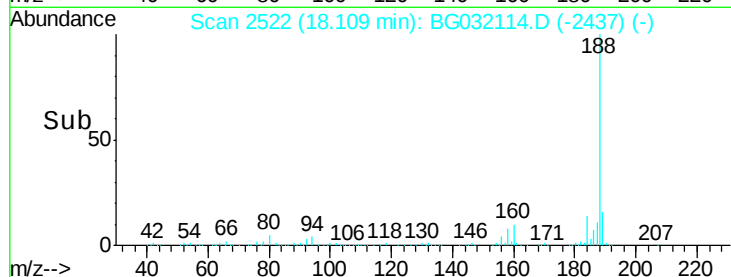
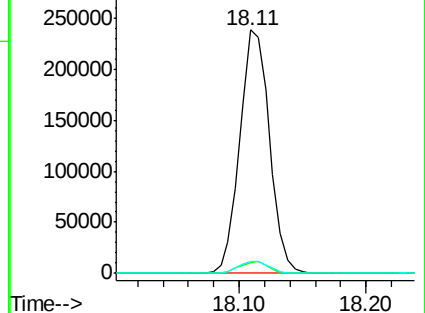
80 5.0 7.7 11.5#



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: 5.228 ng

RT: 16.86 min Scan# 2310

Delta R.T. 0.37 min

Lab File: BG032114.D

Acq: 17 Jan 2018 23:36

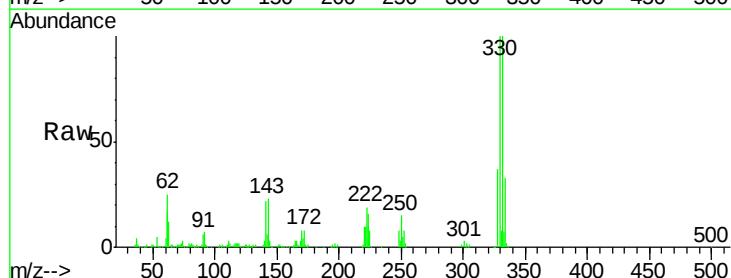
Tgt Ion:198 Resp: 948

Ion Ratio Lower Upper

198 100

51 62.0 30.6 70.6

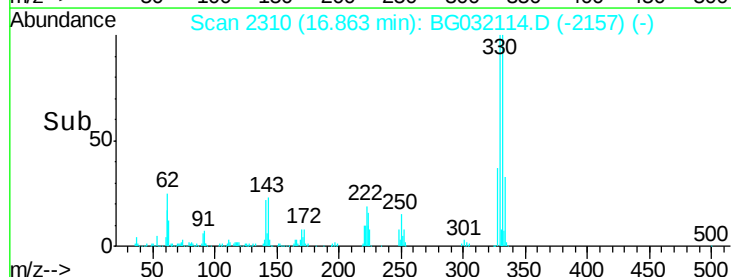
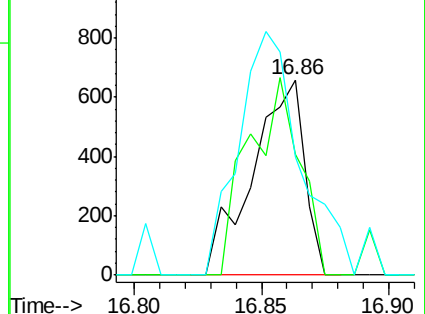
105 60.5 23.8 63.8

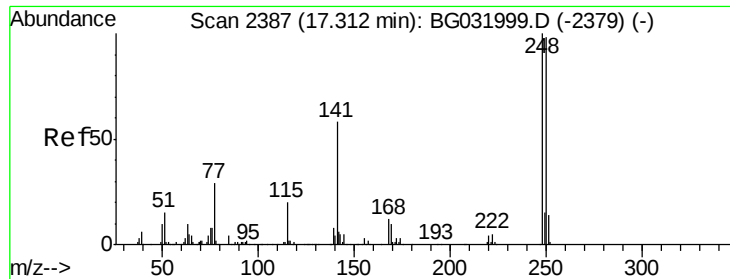


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

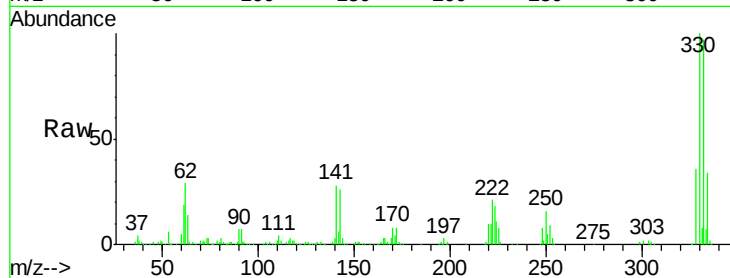




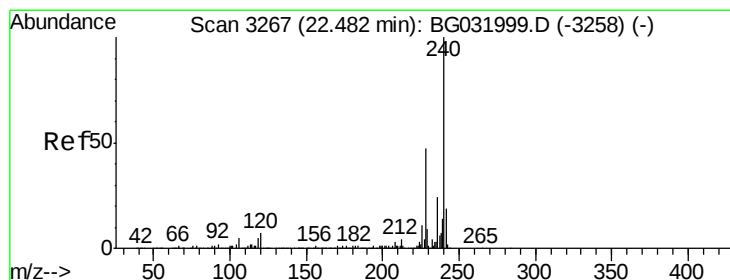
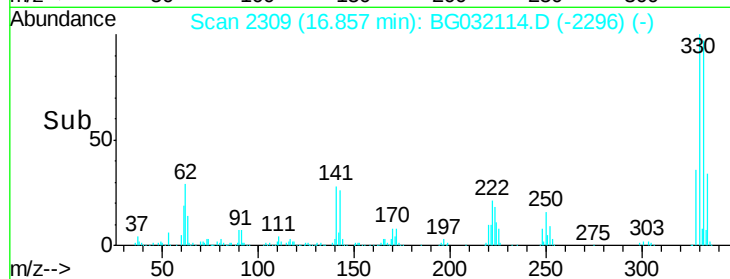
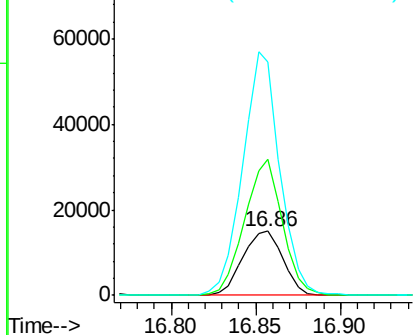
#66
 4-Bromophenyl-phenylether
 Concen: 4.528 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. -0.45 min
 Lab File: BG032114.D
 Acq: 17 Jan 2018 23:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 24910
 Ion Ratio Lower Upper
 248 100
 250 211.7 77.1 115.7#
 141 364.1 50.8 76.2#

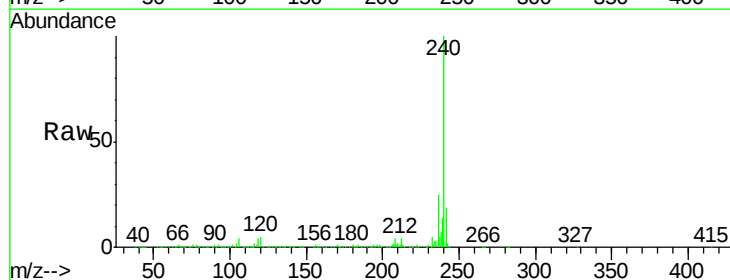


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

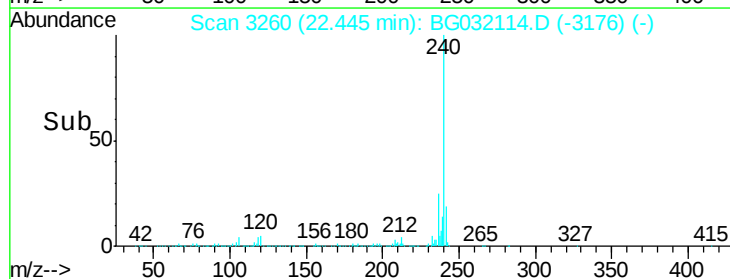
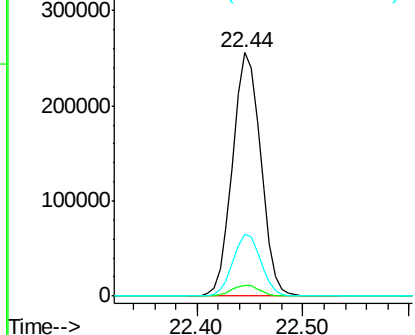


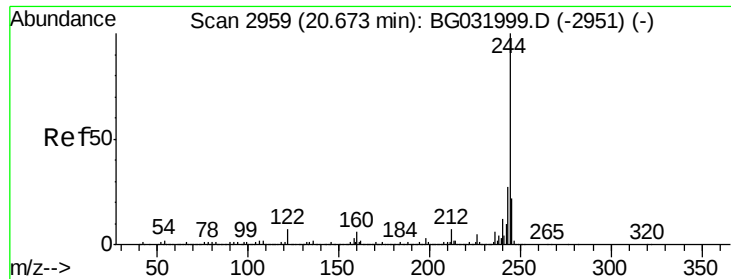
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.44 min Scan# 3260
 Delta R.T. -0.04 min
 Lab File: BG032114.D
 Acq: 17 Jan 2018 23:36

Tgt Ion:240 Resp: 472212
 Ion Ratio Lower Upper
 240 100
 120 4.6 6.8 10.2#
 236 25.5 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





#78

Terphenyl-d14

Concen: 75.760 ng

RT: 20.65 min Scan# 2954

Delta R.T. -0.03 min

Lab File: BG032114.D

Acq: 17 Jan 2018 23:36

Instrument :

BNA_G

ClientSampled :

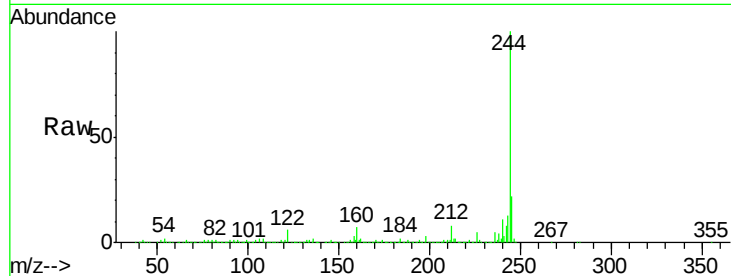
Tot Ion:244 Resp: 1620198

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

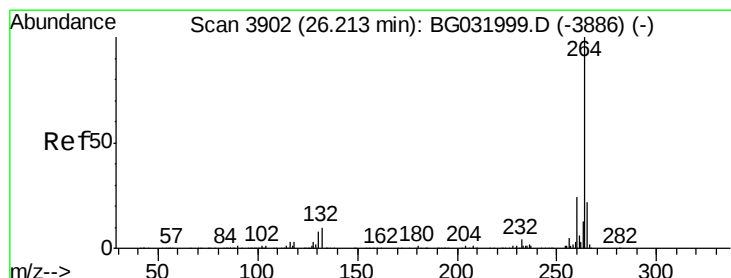
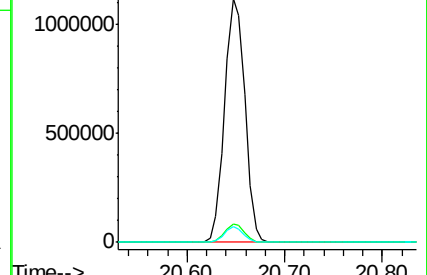
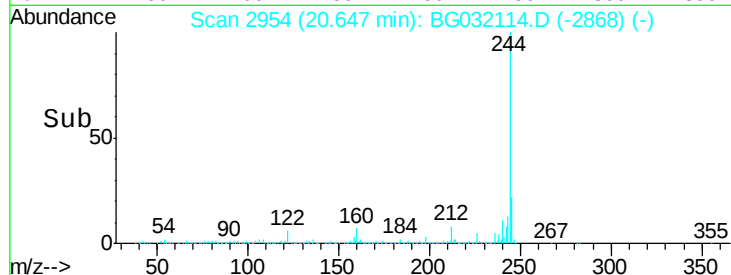
122 6.3 7.0 10.4#



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: 26.15 min Scan# 3891

Delta R.T. -0.06 min

Lab File: BG032114.D

Acq: 17 Jan 2018 23:36

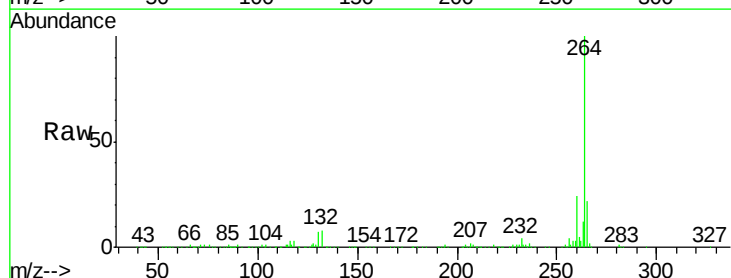
Tgt Ion:264 Resp: 497501

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 22.3 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

