

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\
 Data File : BG032086.D
 Acq On : 17 Jan 2018 1:30
 Operator : SJ/JU
 Sample : J1122-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 17 02:33:39 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

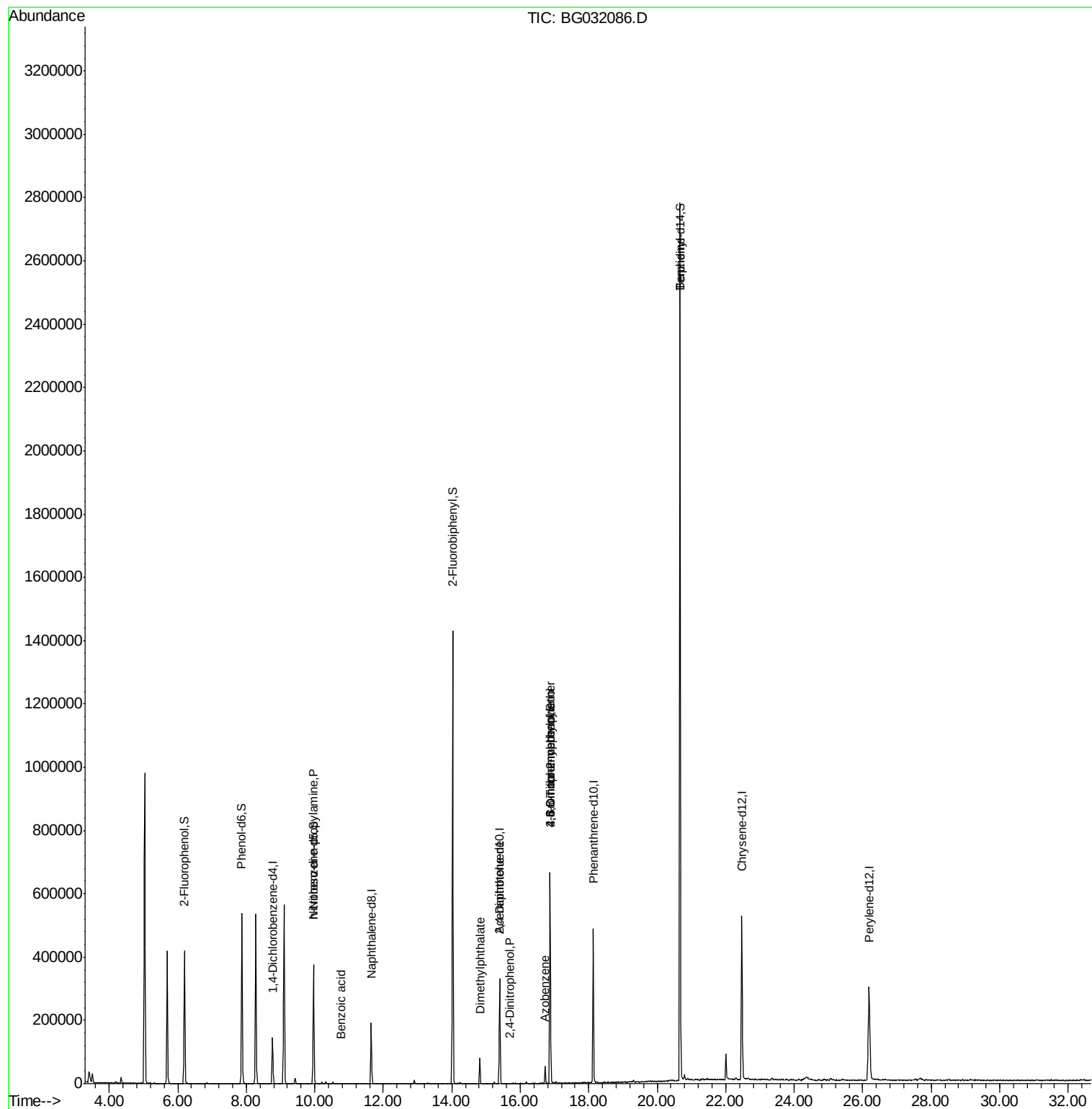
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.76	152	50153	20.00	ng	-0.01
21) Naphthalene-d8	11.65	136	191450	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	127338	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	329019	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	398842	20.00	ng	-0.02
86) Perylene-d12	26.18	264	413969	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	222211	81.03	ng	0.00
7) Phenol-d6	7.87	99	353279	102.29	ng	0.00
23) Nitrobenzene-d5	9.96	82	241256	85.25	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	155807	73.94	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	857925	83.54	ng	0.00
78) Terphenyl-d14	20.66	244	1570077	86.92	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.96	70	33886	15.814	ng	# 70
32) Benzoic acid	10.76	122	60	5.281	ng	# 29
49) Dimethylphthalate	14.82	163	61230	5.495	ng	100
53) 2,4-Dinitrophenol	15.70	184	70	7.019	ng	# 1
56) 2,4-Dinitrotoluene	15.40	165	15854	5.091	ng	# 18
62) Azobenzene	16.72	77	14474	2.141	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.87	198	269	4.999	ng	# 5
66) 4-Bromophenyl-phenylether	16.87	248	13148	2.809	ng	# 1
76) Benzidine	20.67	184	20956	2.101	ng	# 90

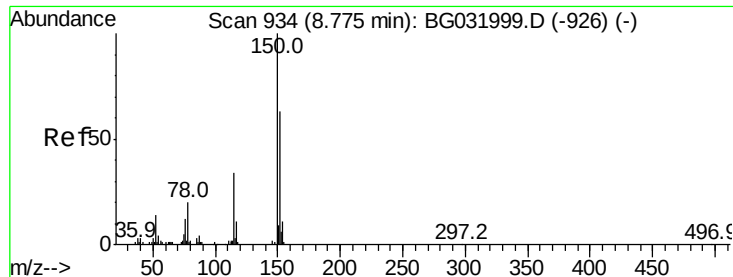
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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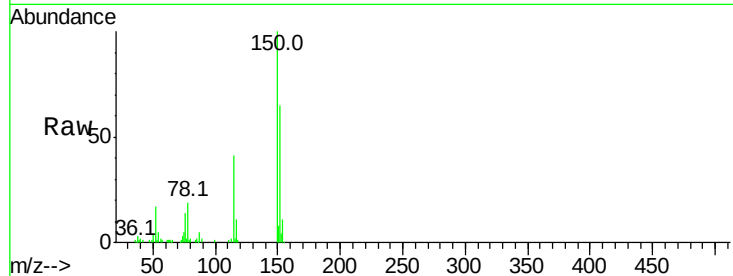


#1

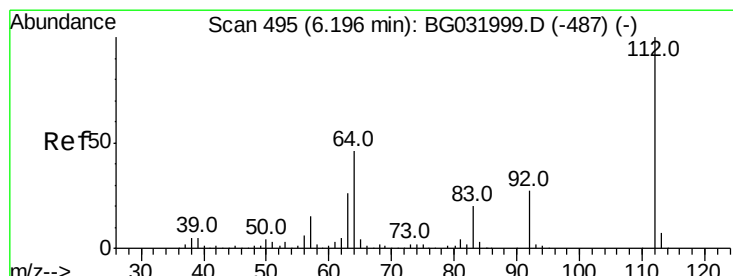
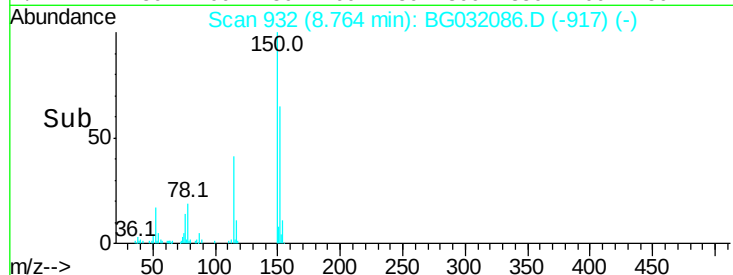
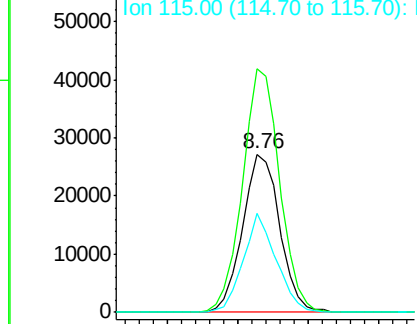
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.76 min Scan# 932
Delta R.T. -0.01 min
Lab File: BG032086.D
Acq: 17 Jan 2018 1:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	126.6	189.8
115	62.4	53.0	79.4



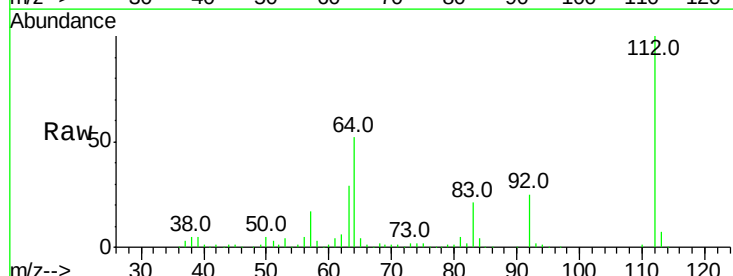
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



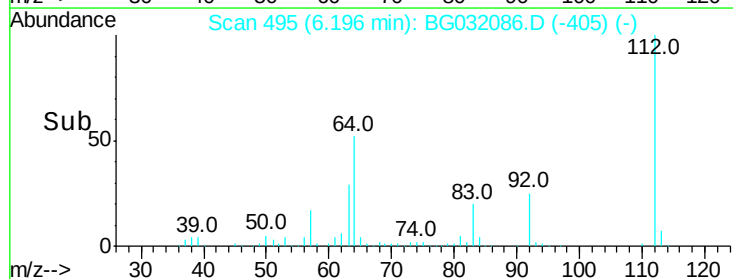
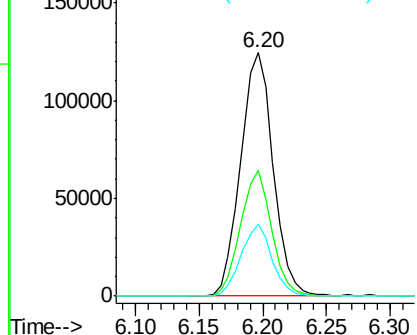
#5

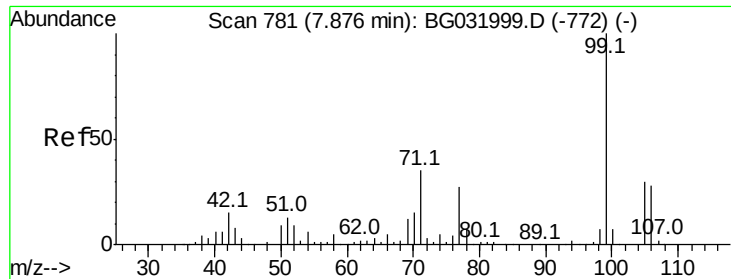
2-Fluorophenol
Concen: 81.034 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032086.D
Acq: 17 Jan 2018 1:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	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: 102.292 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

Instrument :

BNA_G

ClientSampleId :

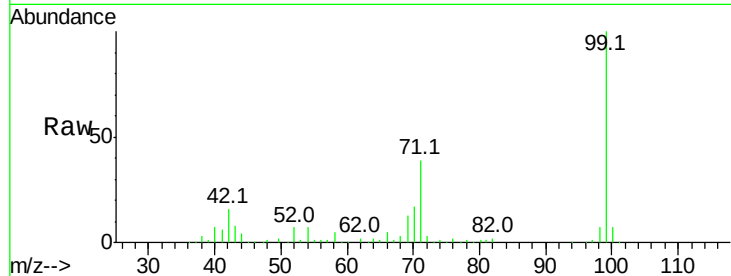
Tot Ion: 99 Resp: 353279

Ion Ratio Lower Upper

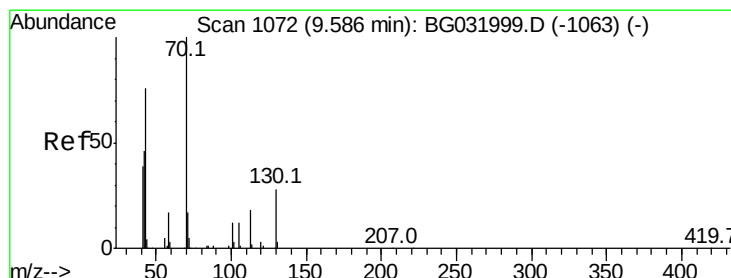
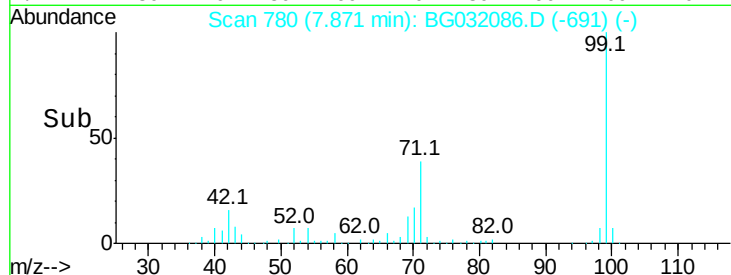
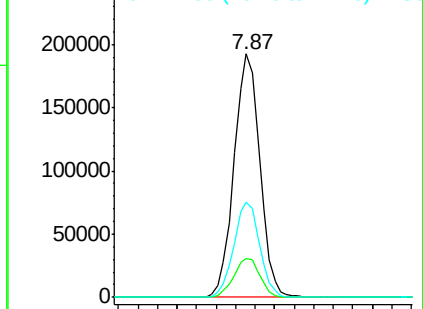
99 100

42 15.8 14.1 21.1

71 39.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.814 ng

RT: 9.96 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

Tgt Ion: 70 Resp: 33886

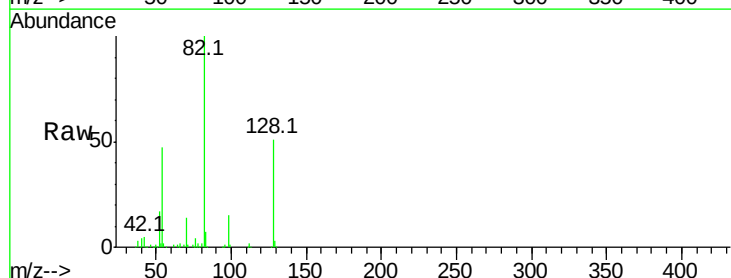
Ion Ratio Lower Upper

70 100

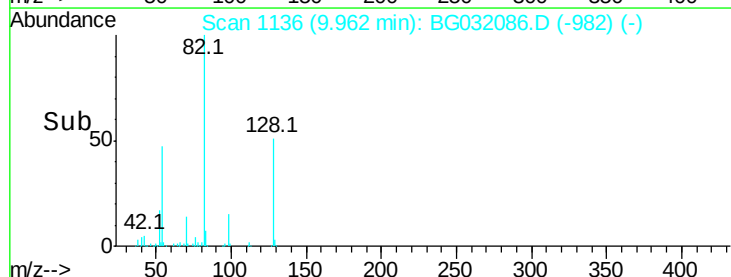
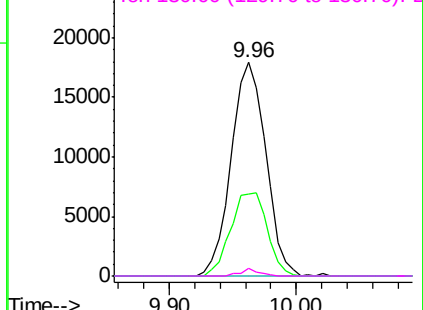
42 38.1 49.1 73.7#

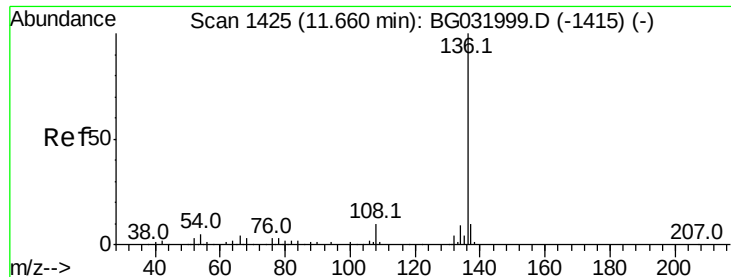
101 0.0 8.5 12.7#

130 3.4 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

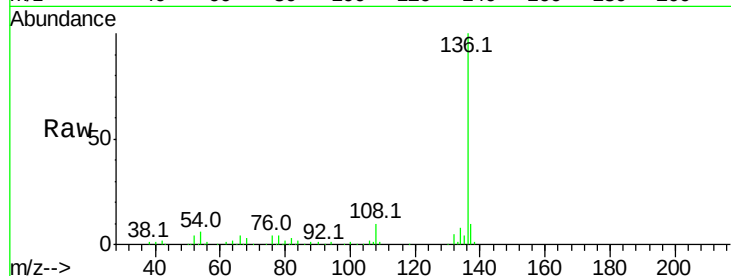




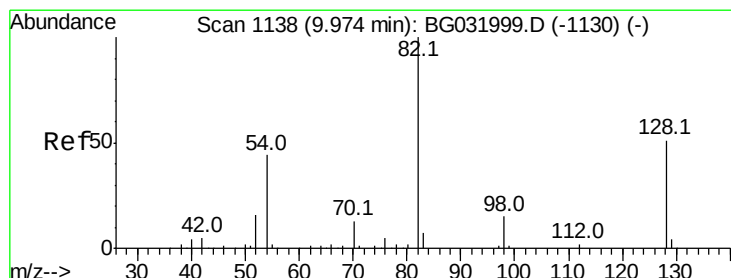
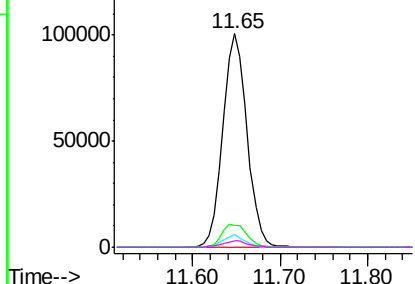
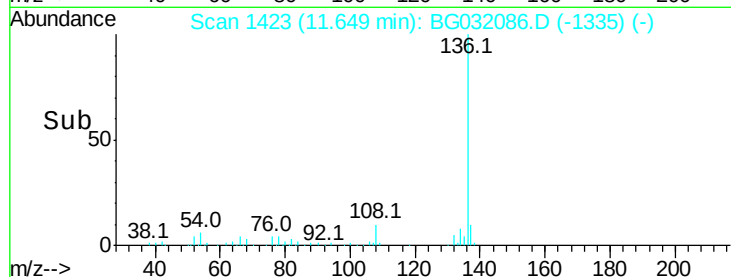
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032086.D
Acq: 17 Jan 2018 1:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	191450
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.2 13.8
54	6.0	10.3 15.5#
68	2.9	4.5 6.7#

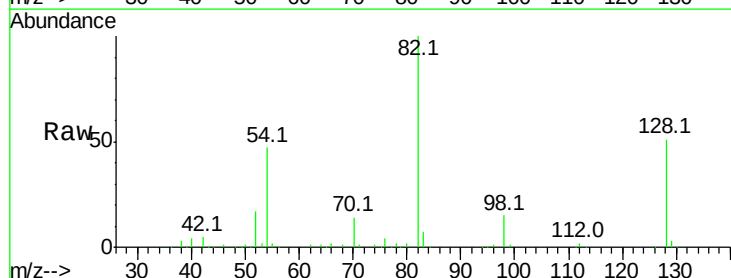


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

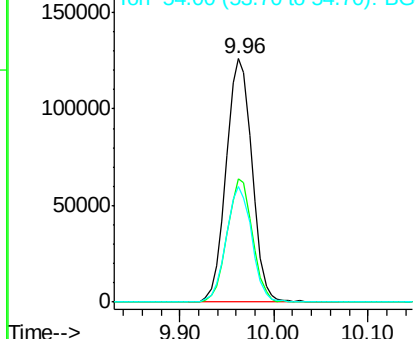
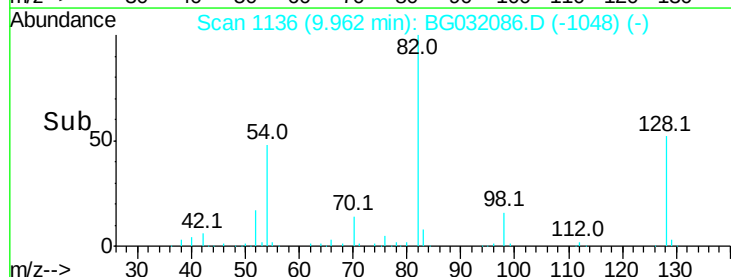


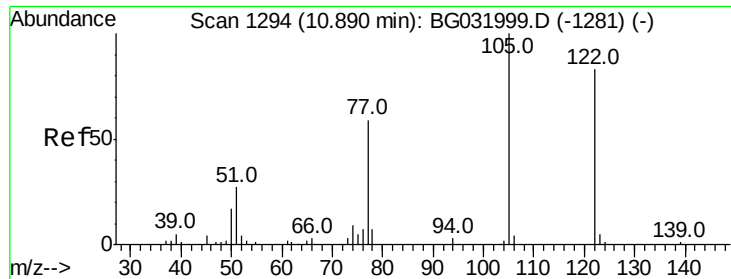
#23
Nitrobenzene-d5
Concen: 85.255 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032086.D
Acq: 17 Jan 2018 1:30

Tgt Ion: 82	Resp:	241256
Ion Ratio	Lower	Upper
82	100	
128	50.8	29.7 44.5#
54	47.4	43.1 64.7



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





#32

Benzoic acid

Concen: 5.281 ng

RT: 10.76 min Scan# 1271

Delta R.T. -0.13 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

Instrument :

BNA_G

ClientSampleId :

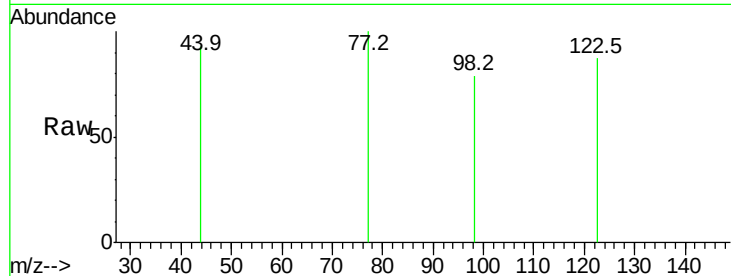
Tot Ion:122 Resp: 60

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

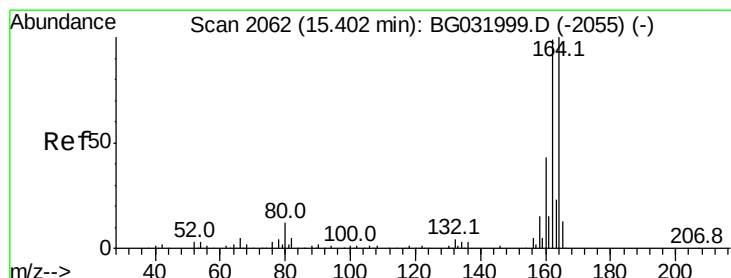
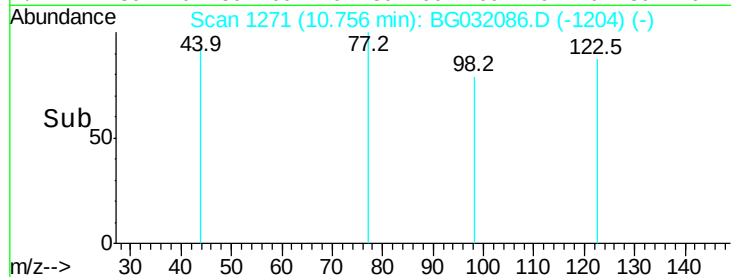
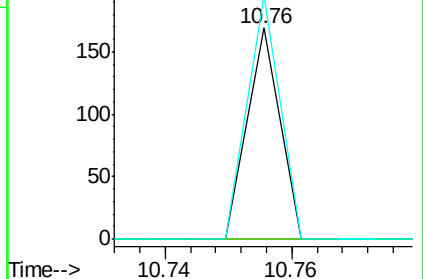
77 115.4 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

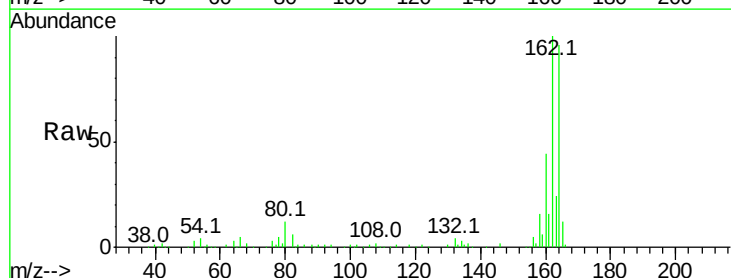
Tgt Ion:164 Resp: 127338

Ion Ratio Lower Upper

164 100

162 104.4 78.8 118.2

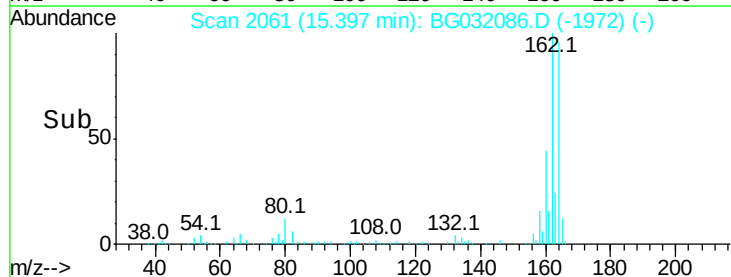
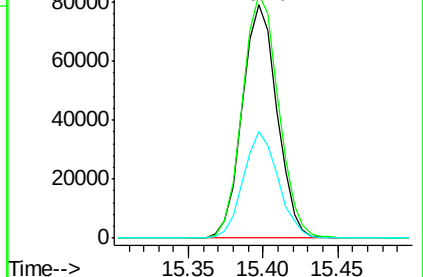
160 45.6 35.4 53.0

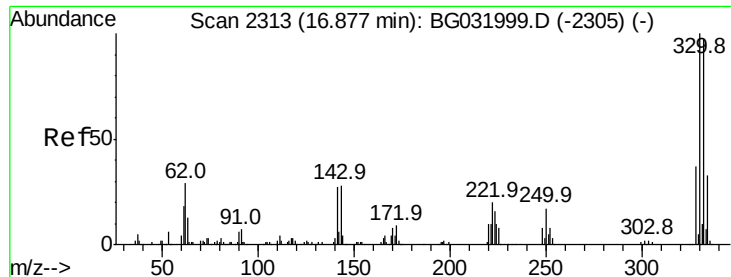


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

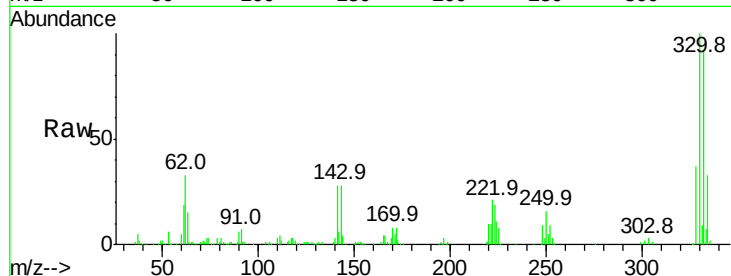




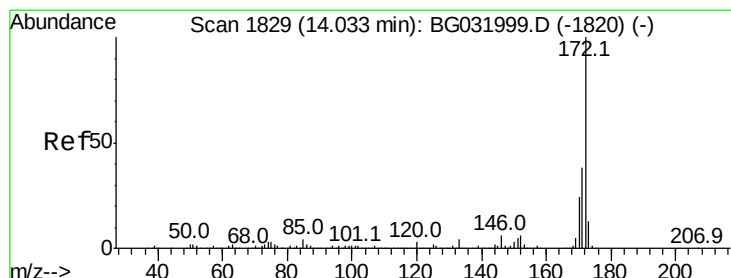
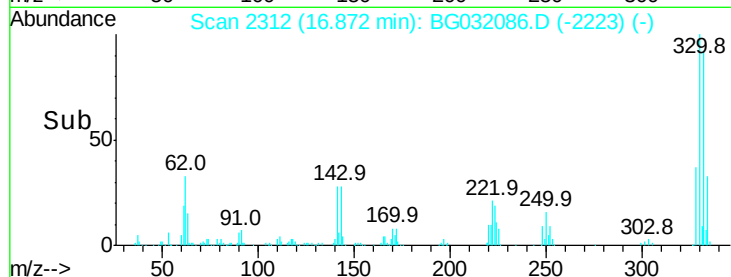
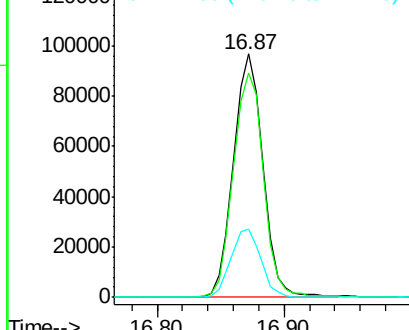
#41
 2,4,6-Tribromophenol
 Concen: 73.942 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BG032086.D
 Acq: 17 Jan 2018 1:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	28.5	25.2	37.8

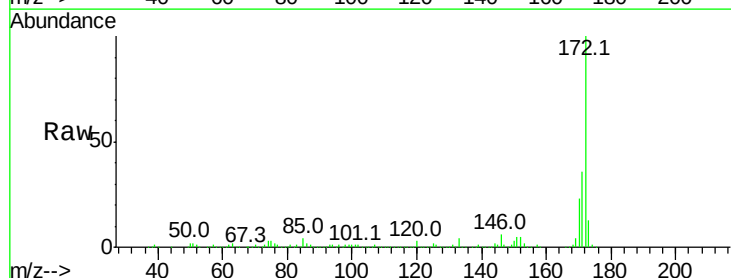


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

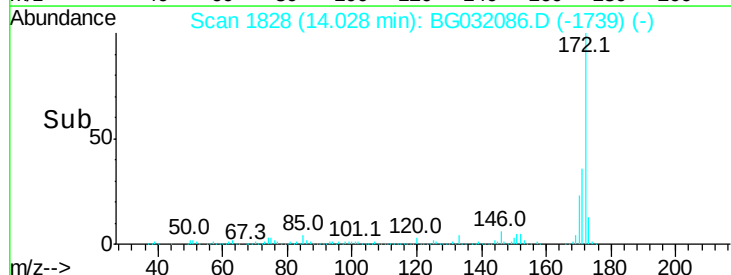
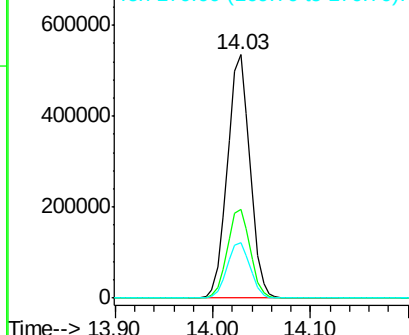


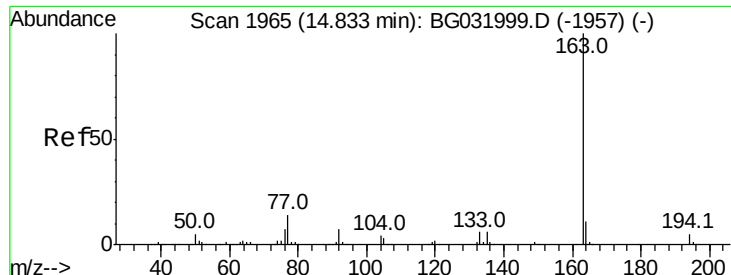
#44
 2-Fluorobiphenyl
 Concen: 83.540 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BG032086.D
 Acq: 17 Jan 2018 1:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.0	45.0
170	22.9	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: 5.495 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

Instrument :

BNA_G

ClientSampled :

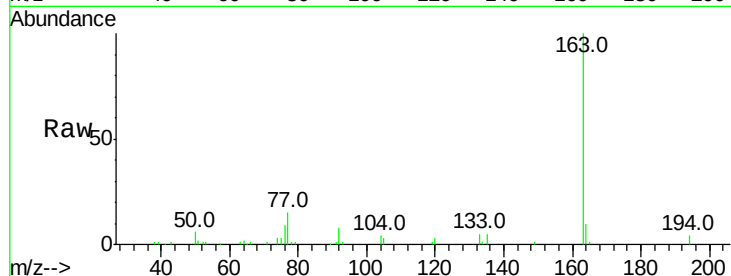
Tot Ion:163 Resp: 61230

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

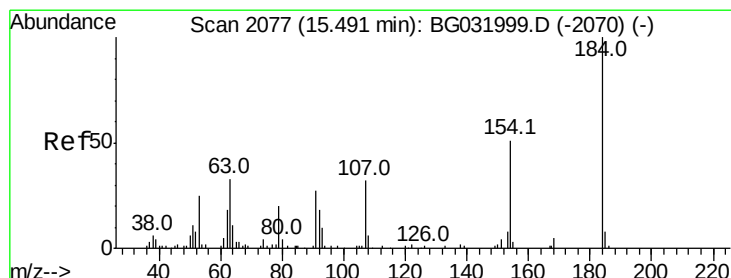
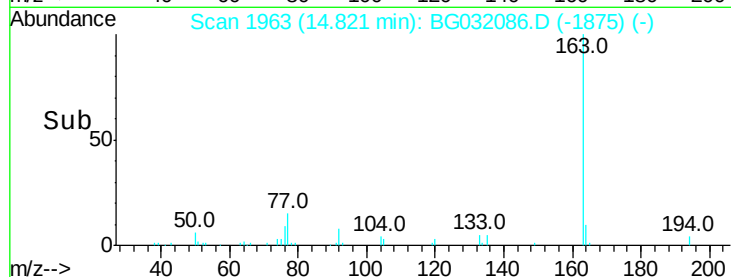
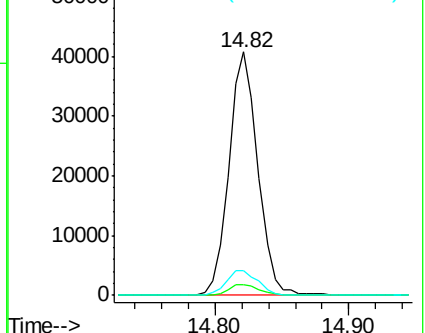
164 10.4 8.2 12.4



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: 7.019 ng

RT: 15.70 min Scan# 2112

Delta R.T. 0.21 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

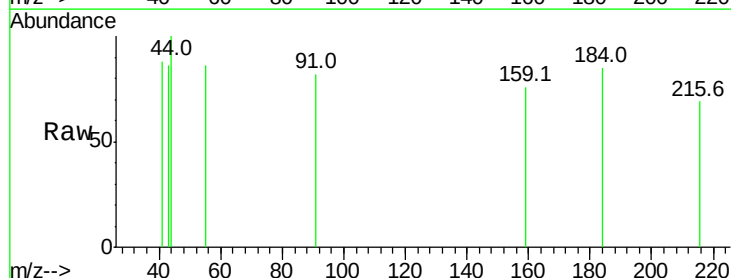
Tgt Ion:184 Resp: 70

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

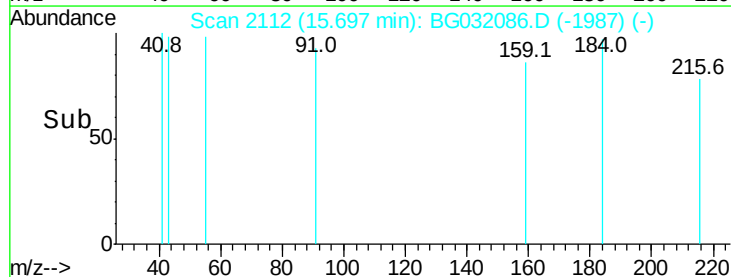
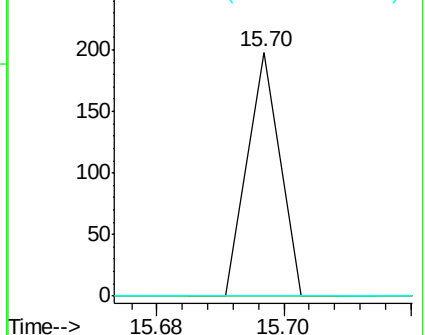
154 0.0 101.8 152.8#

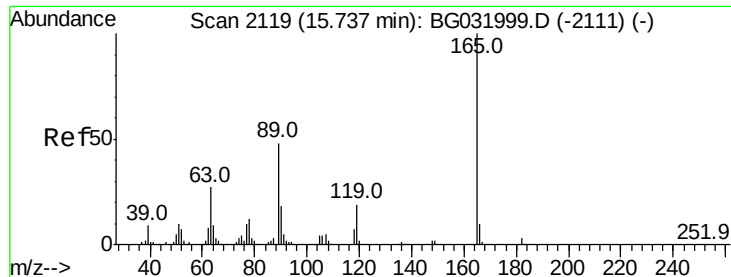


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#56

2,4-Dinitrotoluene

Concen: 5.091 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.34 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 15854

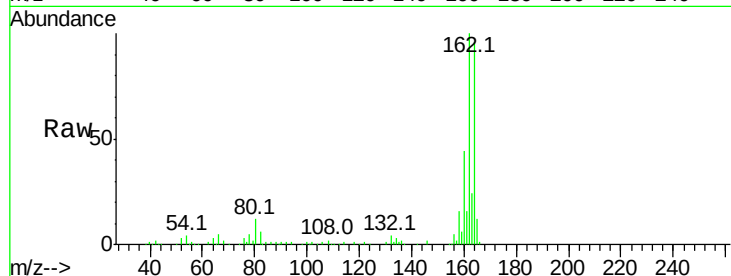
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.0 66.9 100.3#

182 0.0 2.6 3.8#

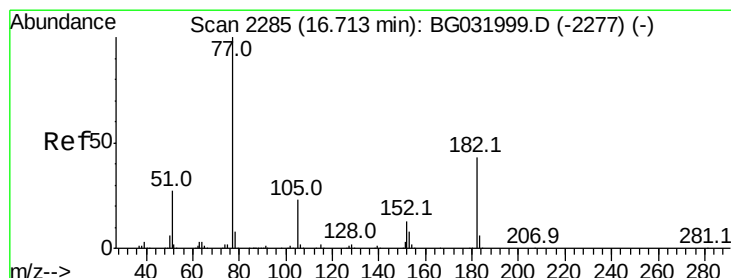
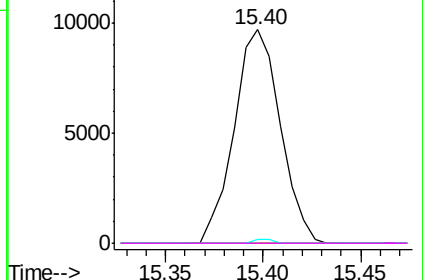
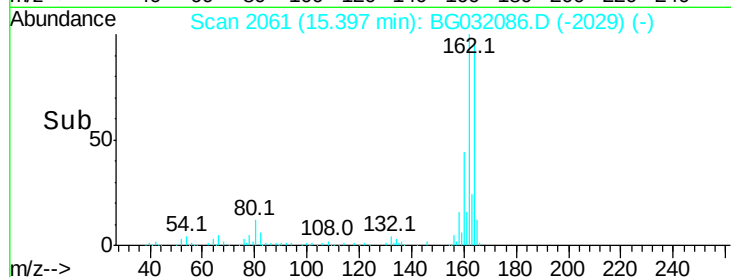


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62

Azobenzene

Concen: 2.141 ng

RT: 16.72 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

Tgt Ion: 77 Resp: 14474

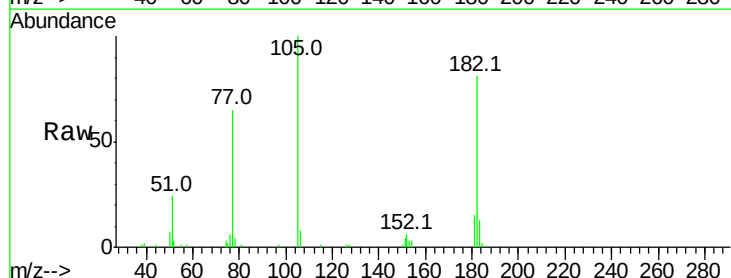
Ion Ratio Lower Upper

77 100

182 123.5 7.4 47.4#

105 153.2 0.3 40.3#

51 37.2 11.6 51.6

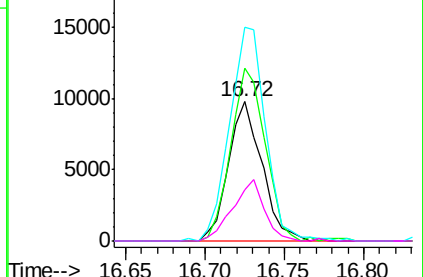
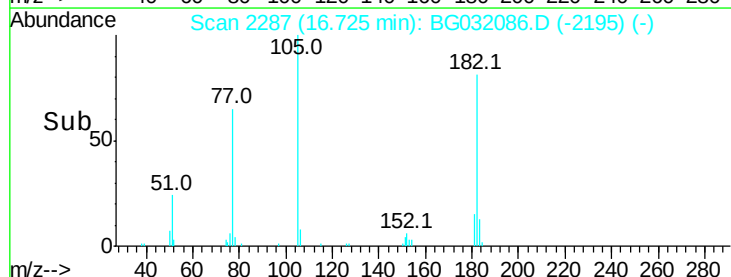


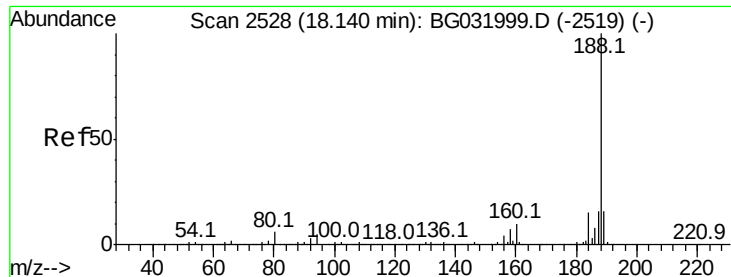
Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 18.13 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

Instrument :

BNA_G

ClientSampleId :

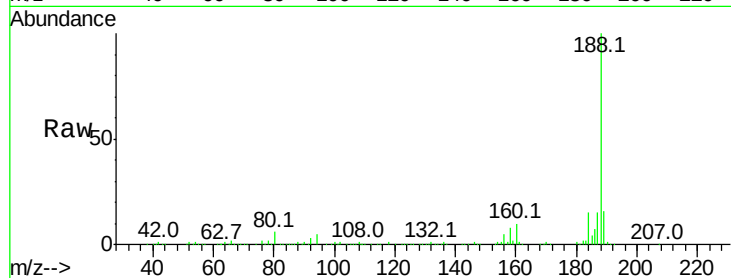
Tot Ion:188 Resp: 329019

Ion Ratio Lower Upper

188 100

94 4.9 6.9 10.3#

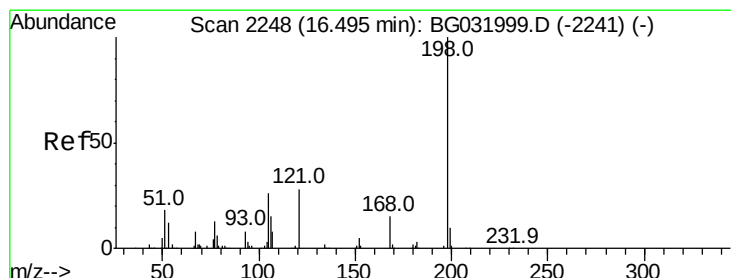
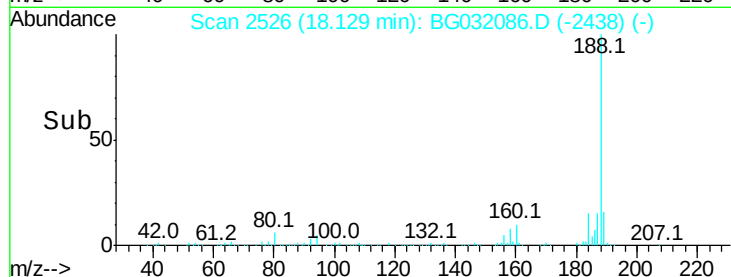
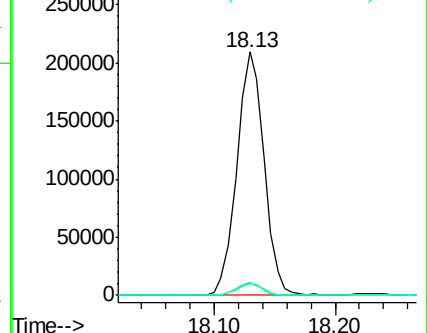
80 5.5 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#64

4,6-Dinitro-2-methylphenol

Concen: 4.999 ng

RT: 16.87 min Scan# 2312

Delta R.T. 0.38 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

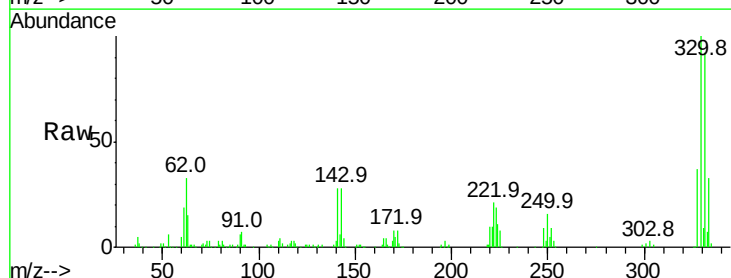
Tgt Ion:198 Resp: 269

Ion Ratio Lower Upper

198 100

51 110.3 30.6 70.6#

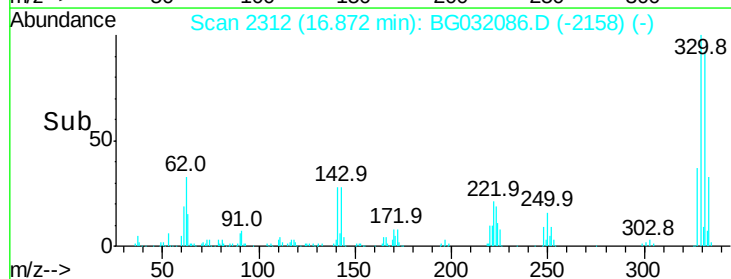
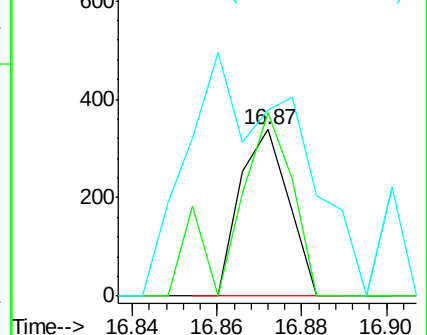
105 111.8 23.8 63.8#

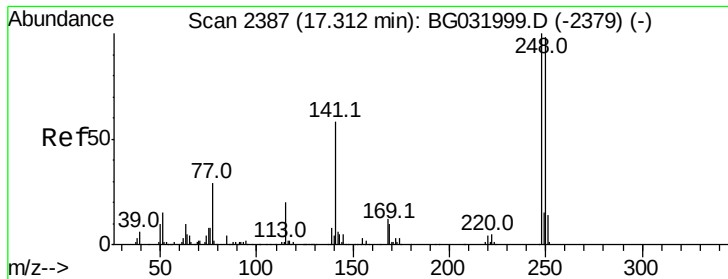


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

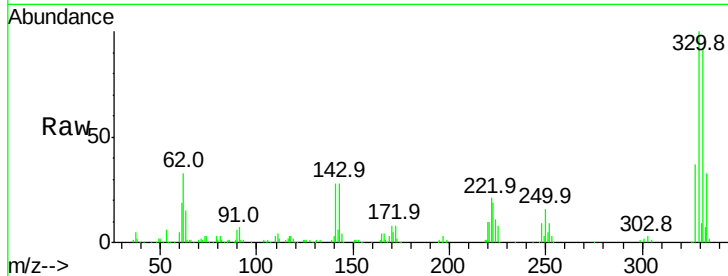




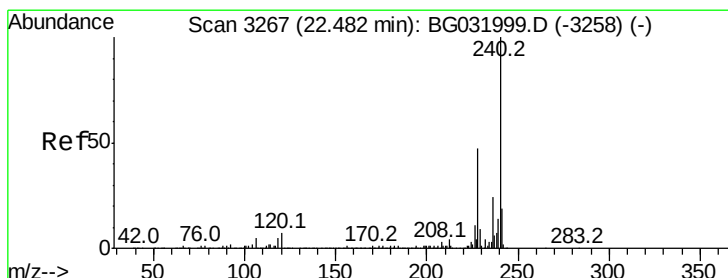
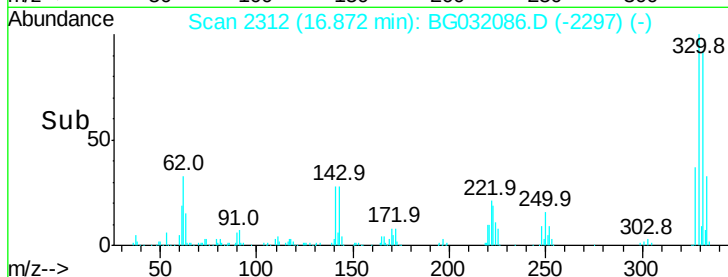
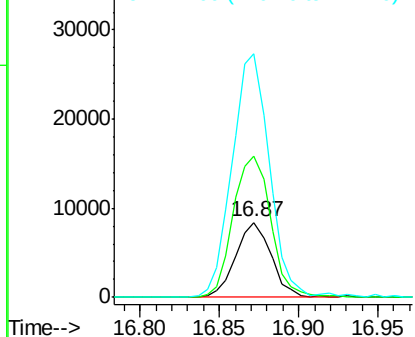
#66
 4-Bromophenyl-phenylether
 Concen: 2.809 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032086.D
 Acq: 17 Jan 2018 1:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13148
 Ion Ratio Lower Upper
 248 100
 250 189.0 77.1 115.7#
 141 324.7 50.8 76.2#

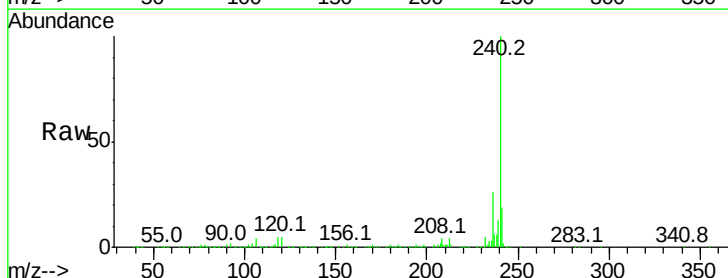


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

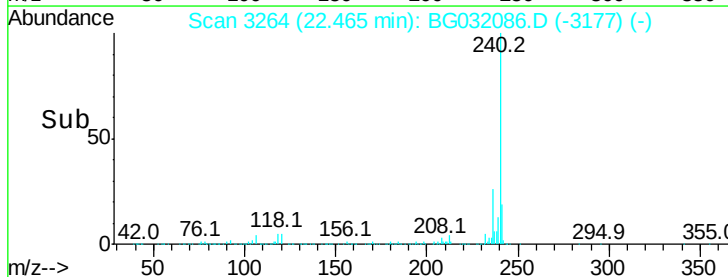
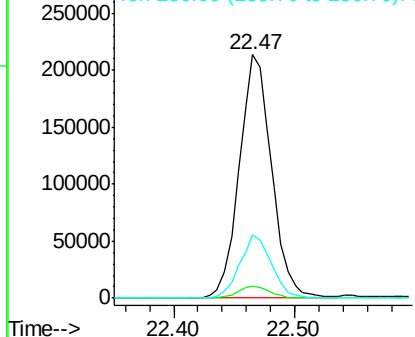


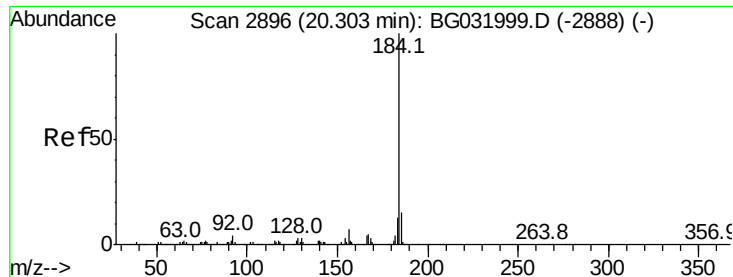
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.47 min Scan# 3264
 Delta R.T. -0.02 min
 Lab File: BG032086.D
 Acq: 17 Jan 2018 1:30

Tgt Ion:240 Resp: 398842
 Ion Ratio Lower Upper
 240 100
 120 4.7 6.8 10.2#
 236 25.9 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: 2.101 ng

RT: 20.67 min Scan# 2958

Delta R.T. 0.36 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

Instrument :

BNA_G

ClientSampleId :

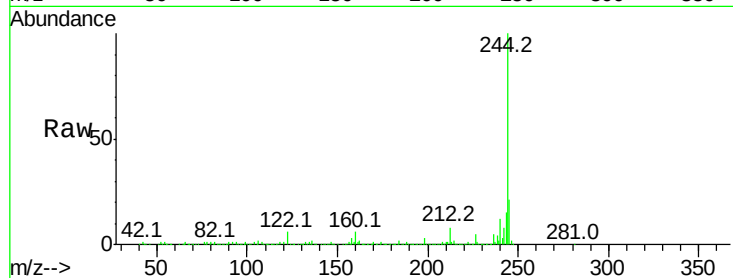
Tot Ion:184 Resp: 20956

Ion Ratio Lower Upper

184 100

185 17.4 11.1 16.7#

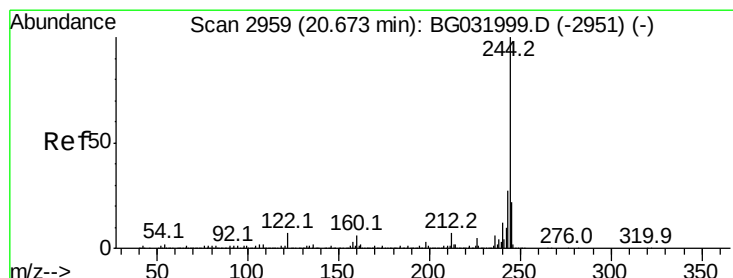
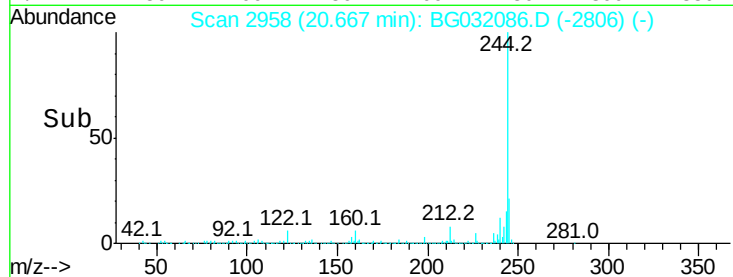
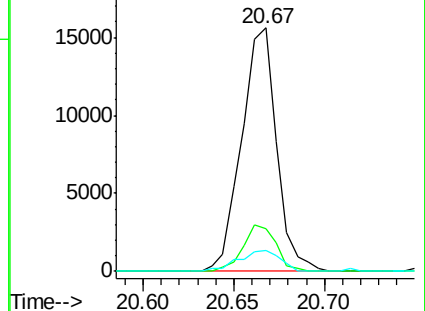
183 8.6 10.6 16.0#



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: 86.922 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032086.D

Acq: 17 Jan 2018 1:30

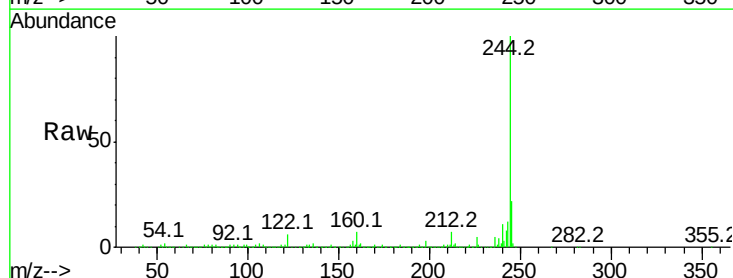
Tgt Ion:244 Resp: 1570077

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

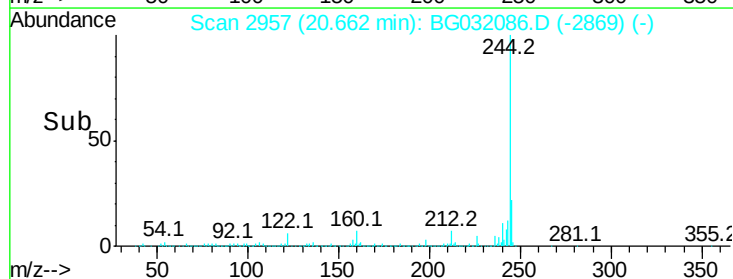
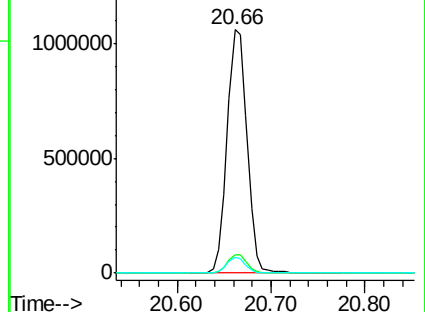
122 6.5 7.0 10.4#

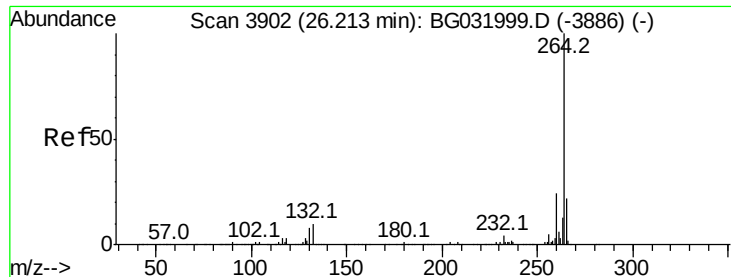


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

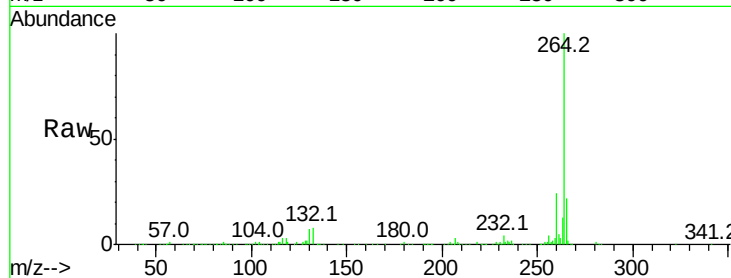




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.18 min Scan# 3897
Delta R.T. -0.03 min
Lab File: BG032086.D
Acq: 17 Jan 2018 1:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	22.4	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

