

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121215\
 Data File : BG020111.D
 Acq On : 11 Dec 2015 18:10
 Operator : UM/SJ
 Sample : G4729-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-15

Quant Time: Dec 11 23:31:21 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

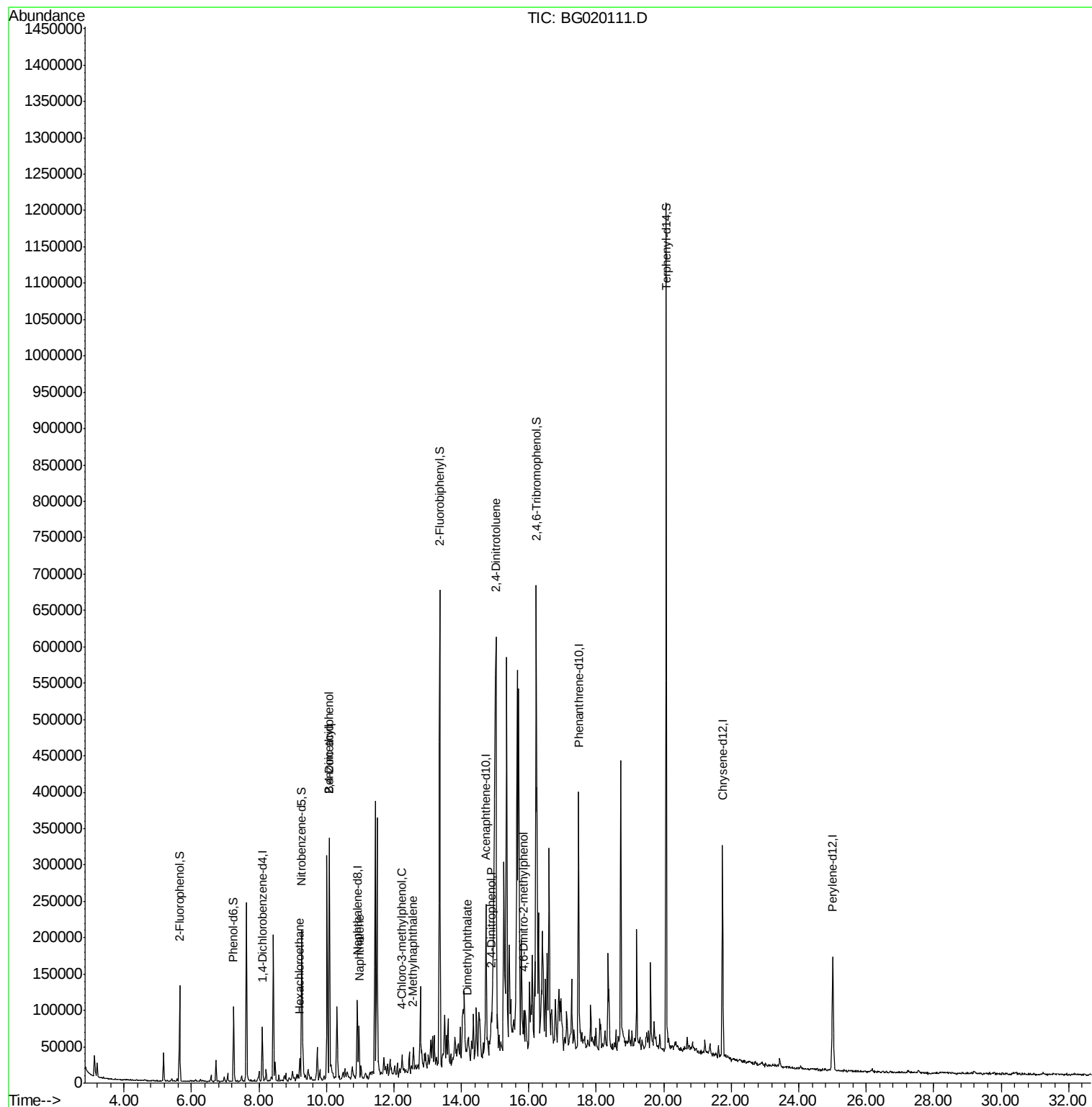
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	20148	20.00	ng	-0.04
21) Naphthalene-d8	10.92	136	86240	20.00	ng	-0.03
38) Acenaphthene-d10	14.73	164	67960	20.00	ng	-0.04
63) Phenanthrene-d10	17.48	188	151387	20.00	ng	-0.03
75) Chrysene-d12	21.74	240	181040	20.00	ng	-0.05
86) Perylene-d12	25.01	264	171275	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	56014	50.25	ng	-0.02
7) Phenol-d6	7.25	99	60503	35.95	ng	-0.03
23) Nitrobenzene-d5	9.27	82	125223	74.11	ng	-0.03
41) 2,4,6-Tribromophenol	16.22	330	115337	110.92	ng	-0.03
44) 2-Fluorobiphenyl	13.36	172	340853	68.48	ng	-0.03
78) Terphenyl-d14	20.07	244	516268	69.56	ng	-0.04
Target Compounds						Qvalue
18) Hexachloroethane	9.21	117	4706	7.90	ng	# 1
27) 2,4-Dimethylphenol	10.08	122	9238	6.27	ng	# 86
31) Naphthalene	10.97	128	49489	10.71	ng	# 95
32) Benzoic acid	10.08	122	9238	14.14	ng	# 22
36) 4-Chloro-3-methylphenol	12.24	107	5054	2.69	ng	# 20
37) 2-Methylnaphthalene	12.56	142	9556	2.82	ng	# 93
49) Dimethylphthalate	14.17	163	12751	2.09	ng	# 93
53) 2,4-Dinitrophenol	14.88	184	356	9.78	ng	# 1
56) 2,4-Dinitrotoluene	15.03	165	35323	22.03	ng	# 48
64) 4,6-Dinitro-2-methylphenol	15.84	198	226	6.34	ng	# 1

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

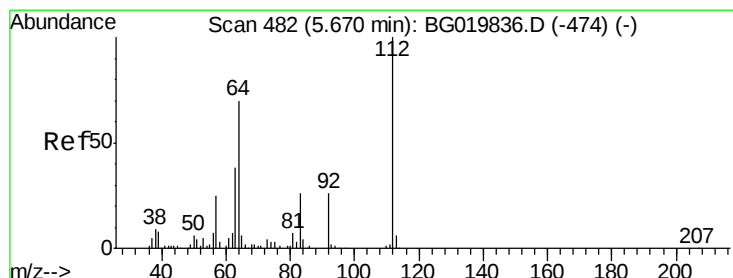
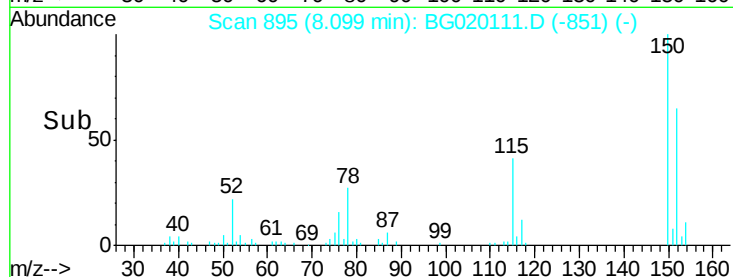
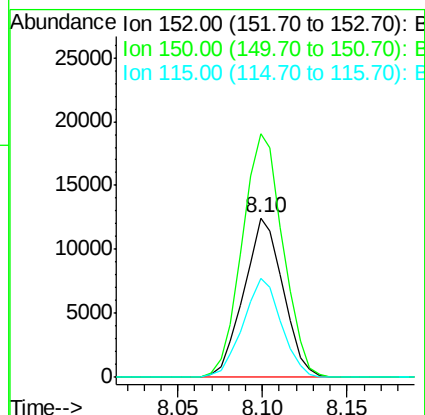
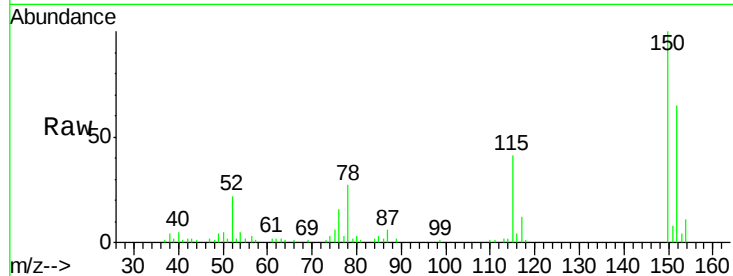




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.10 min Scan# 895
Delta R.T. -0.04 min
Lab File: BG020111.D
Acq: 11 Dec 2015 18:10

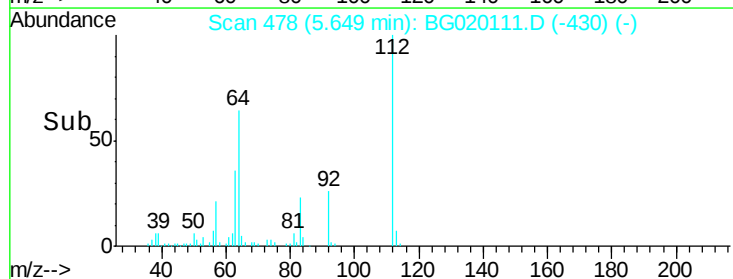
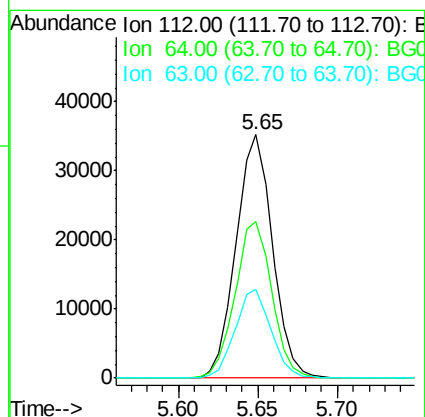
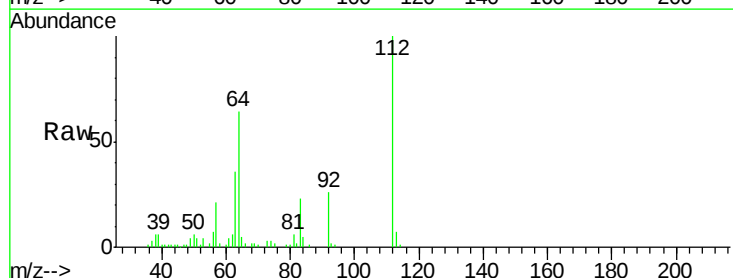
Instrument :
BNA_G
ClientSampled :
W-15

Tgt Ion:152 Resp: 20148
Ion Ratio Lower Upper
152 100
150 152.8 115.0 172.4
115 62.1 43.9 65.9



#5
2-Fluorophenol
Concen: 50.25 ng
RT: 5.65 min Scan# 478
Delta R.T. -0.02 min
Lab File: BG020111.D
Acq: 11 Dec 2015 18:10

Tgt Ion:112 Resp: 56014
Ion Ratio Lower Upper
112 100
64 64.4 43.7 65.5
63 36.2 24.0 36.0#





#7

Phenol-d6

Concen: 35.95 ng

RT: 7.25 min Scan# 750

Delta R.T. -0.03 min

Lab File: BG020111.D

Acq: 11 Dec 2015 18:10

Instrument :

BNA_G

ClientSampleId :

W-15

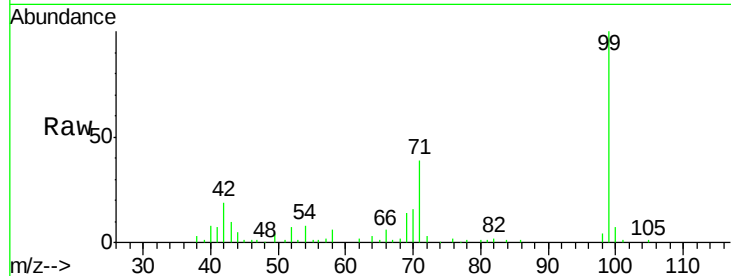
Tgt Ion: 99 Resp: 60503

Ion Ratio Lower Upper

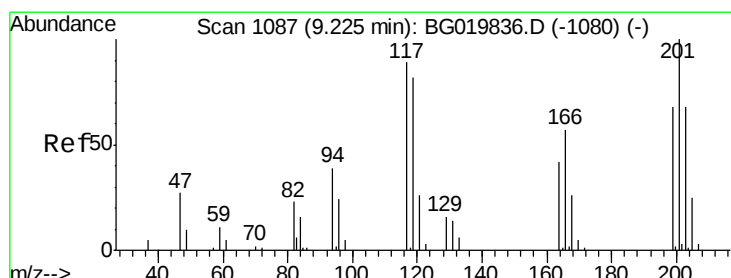
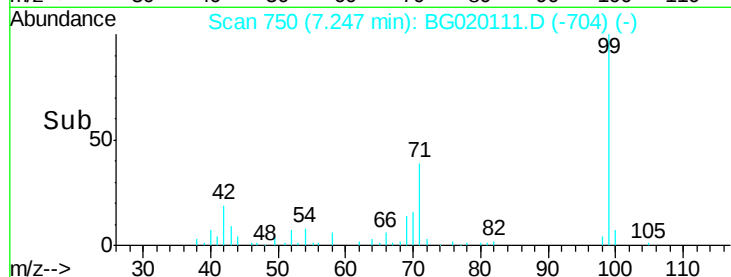
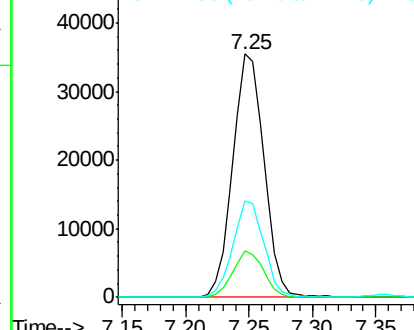
99 100

42 18.9 11.5 17.3#

71 39.4 22.6 34.0#



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



#18

Hexachloroethane

Concen: 7.90 ng

RT: 9.21 min Scan# 1084

Delta R.T. -0.02 min

Lab File: BG020111.D

Acq: 11 Dec 2015 18:10

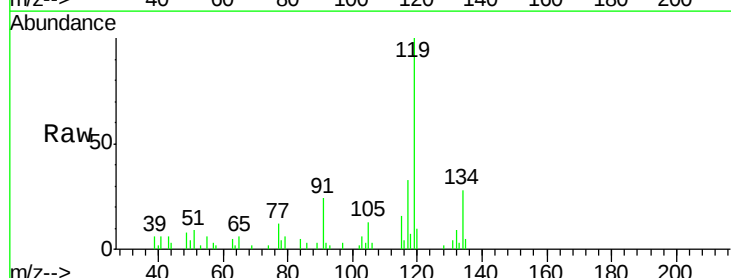
Tgt Ion: 117 Resp: 4706

Ion Ratio Lower Upper

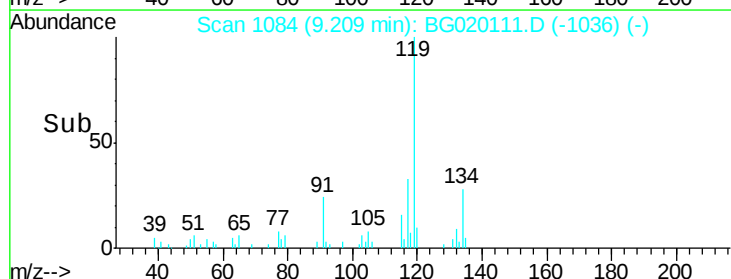
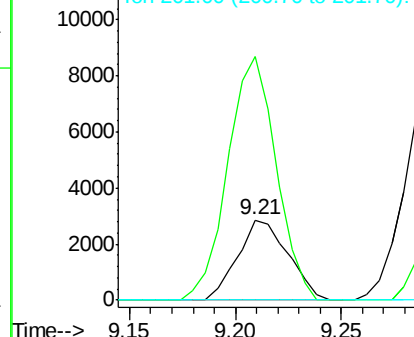
117 100

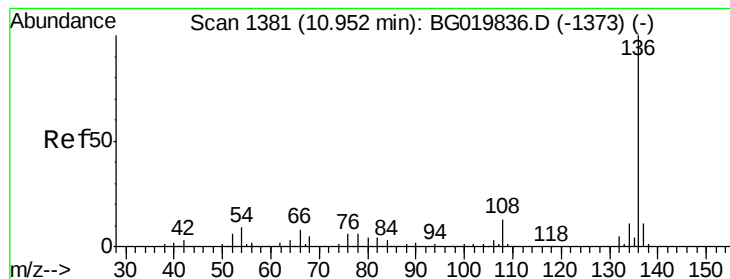
119 304.4 71.7 107.5#

201 0.0 90.9 136.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.92 min Scan# 1375

Delta R.T. -0.03 min

Lab File: BG020111.D

Acq: 11 Dec 2015 18:10

Instrument :

BNA_G

ClientSampleId :

W-15

Tgt Ion:136 Resp: 86240

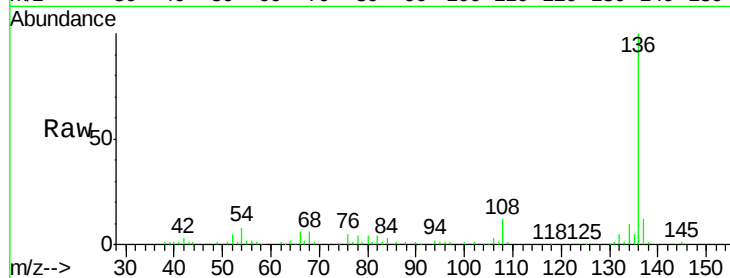
Ion Ratio Lower Upper

136 100

137 11.7 8.6 12.8

54 8.1 5.4 8.2

68 5.8 5.3 7.9

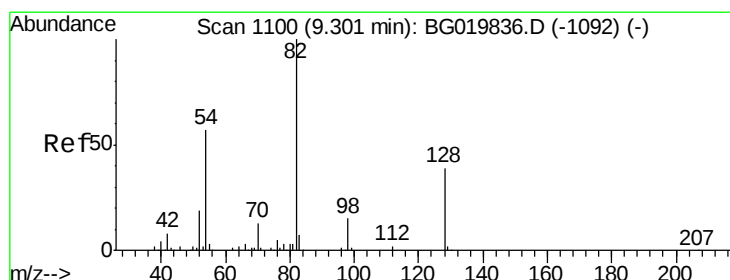
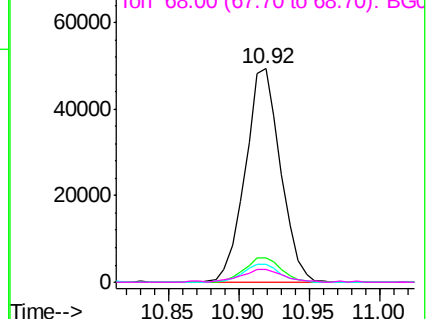
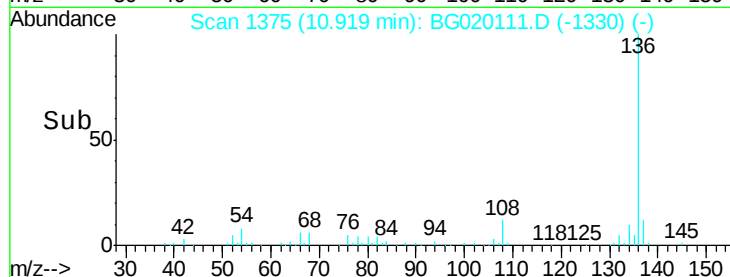


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.11 ng

RT: 9.27 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BG020111.D

Acq: 11 Dec 2015 18:10

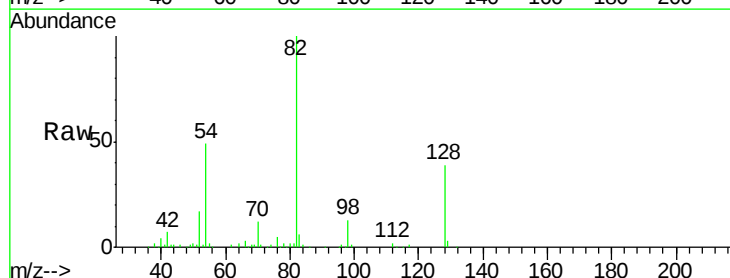
Tgt Ion: 82 Resp: 125223

Ion Ratio Lower Upper

82 100

128 38.8 36.7 55.1

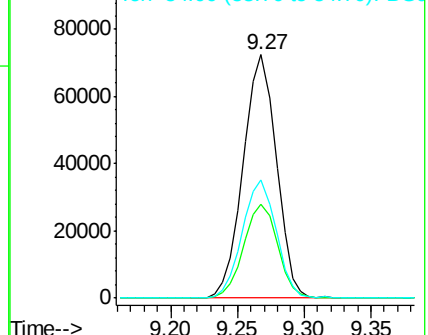
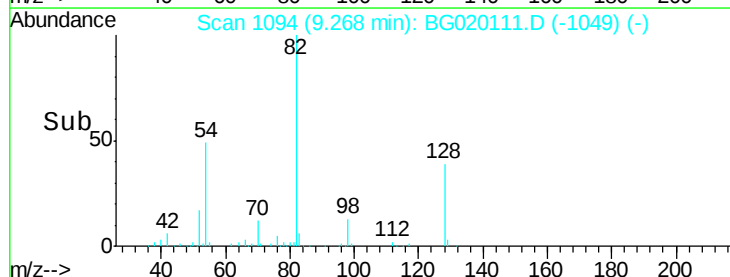
54 48.8 33.8 50.8

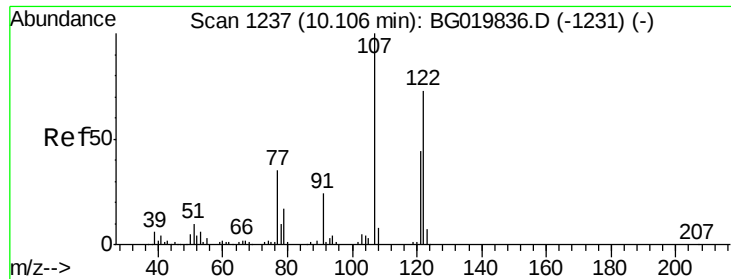


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

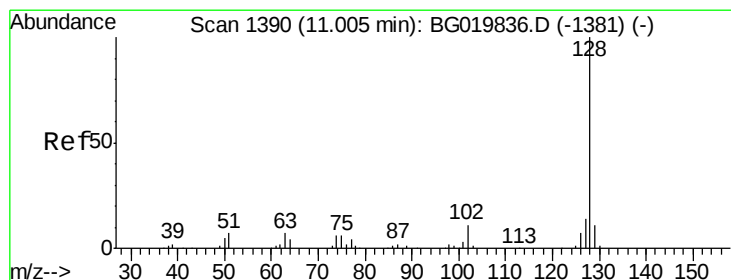
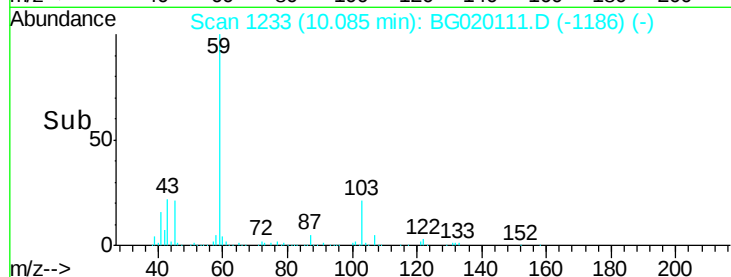
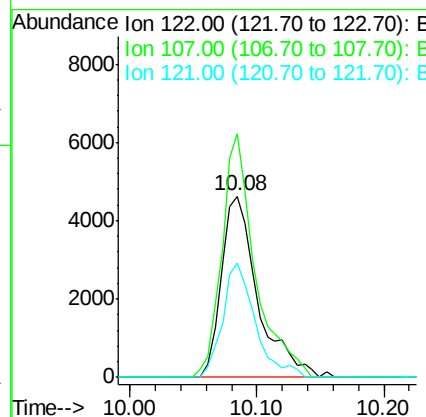
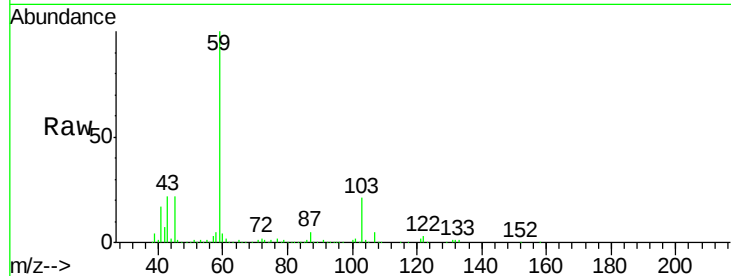




#27
2,4-Dimethylphenol
Concen: 6.27 ng
RT: 10.08 min Scan# 1233
Delta R.T. -0.02 min
Lab File: BG020111.D
Acq: 11 Dec 2015 18:10

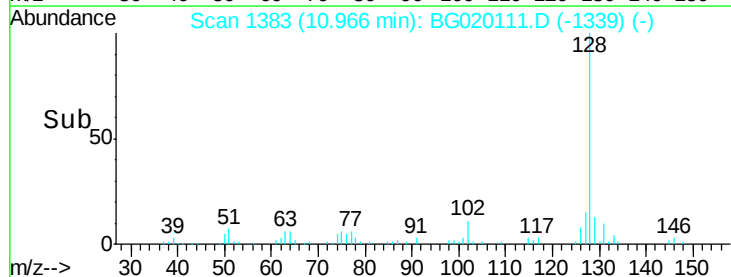
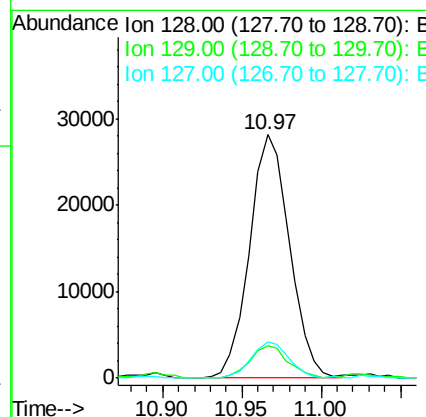
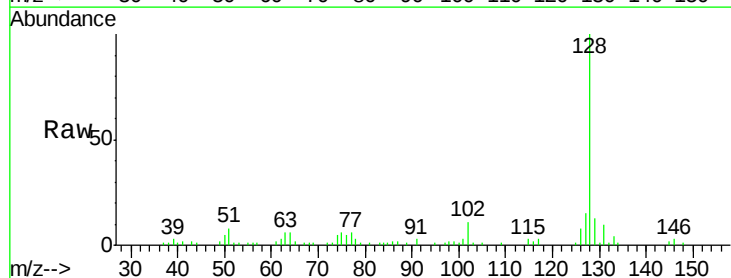
Instrument :
BNA_G
ClientSampleId :
W-15

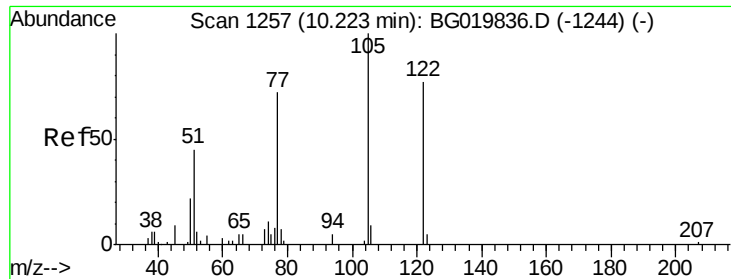
Tgt Ion:122 Resp: 9238
Ion Ratio Lower Upper
122 100
107 134.5 91.6 137.4
121 63.4 47.3 70.9



#31
Naphthalene
Concen: 10.71 ng
RT: 10.97 min Scan# 1383
Delta R.T. -0.04 min
Lab File: BG020111.D
Acq: 11 Dec 2015 18:10

Tgt Ion:128 Resp: 49489
Ion Ratio Lower Upper
128 100
129 13.4 8.5 12.7#
127 14.8 10.6 16.0

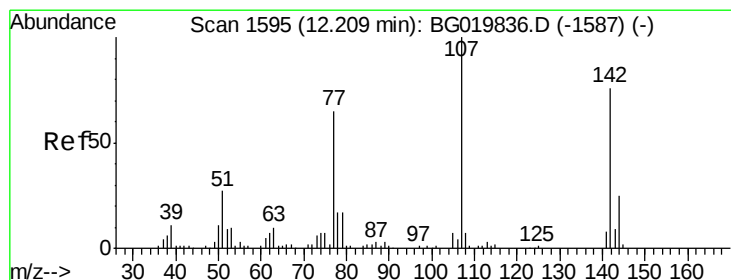
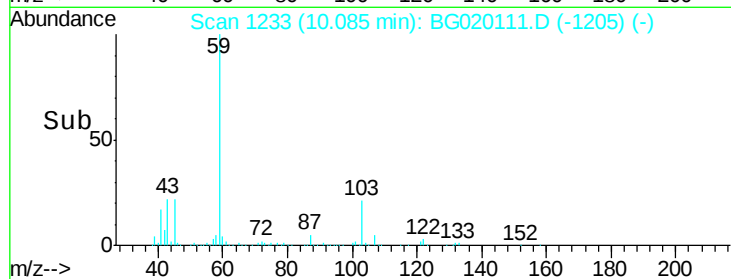
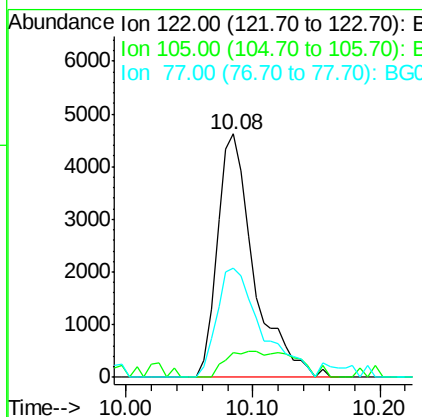
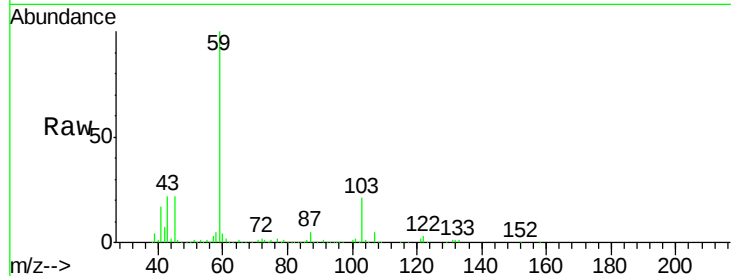




#32
Benzoic acid
Concen: 14.14 ng
RT: 10.08 min Scan# 1233
Delta R.T. -0.14 min
Lab File: BG020111.D
Acq: 11 Dec 2015 18:10

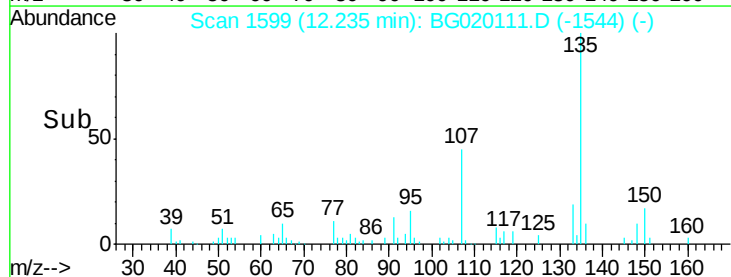
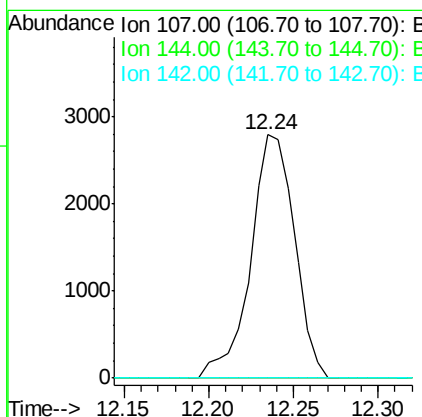
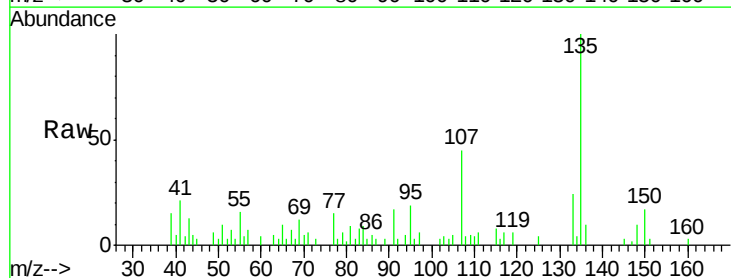
Instrument :
BNA_G
ClientSampleId :
W-15

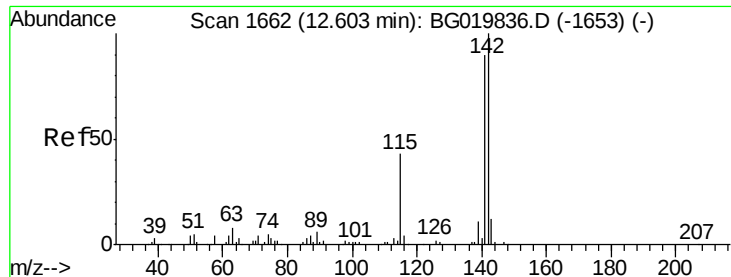
Tgt Ion	Ratio	Lower	Upper
122	100		
105	10.1	103.8	143.8#
77	44.7	68.8	108.8#



#36
4-Chloro-3-methylphenol
Concen: 2.69 ng
RT: 12.24 min Scan# 1599
Delta R.T. 0.03 min
Lab File: BG020111.D
Acq: 11 Dec 2015 18:10

Tgt Ion	Ratio	Lower	Upper
107	100		
144	0.0	20.6	31.0#
142	0.0	62.6	93.8#

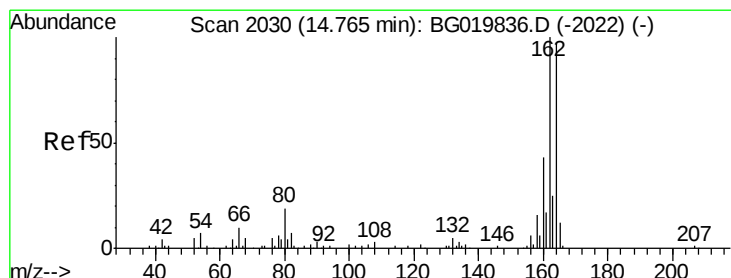
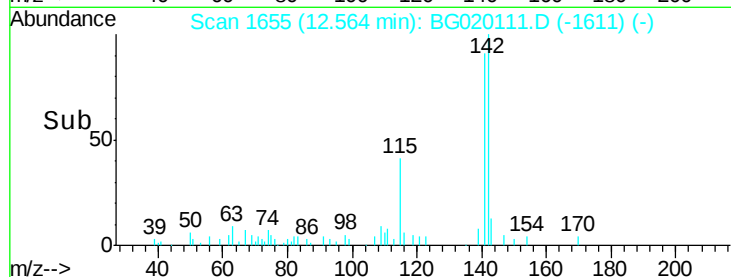
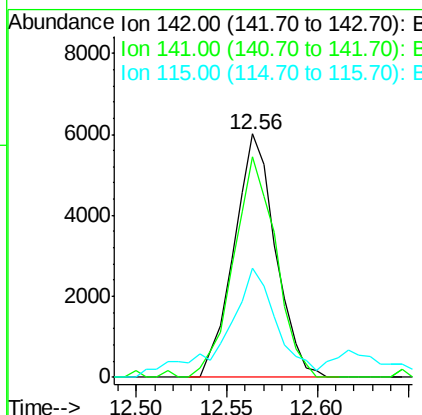
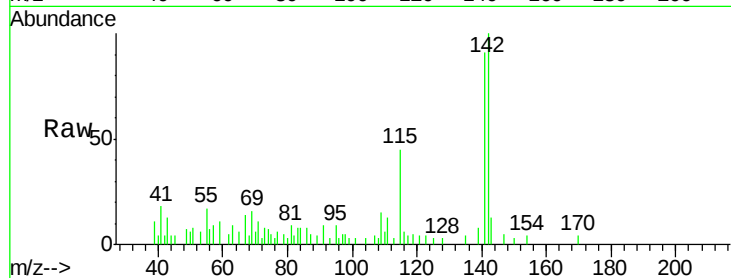




#37
 2-Methylnaphthalene
 Concen: 2.82 ng
 RT: 12.56 min Scan# 1655
 Delta R.T. -0.04 min
 Lab File: BG020111.D
 Acq: 11 Dec 2015 18:10

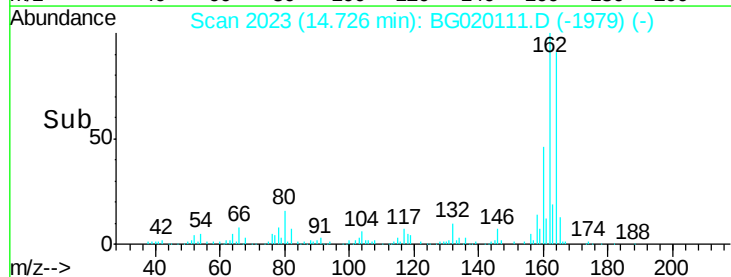
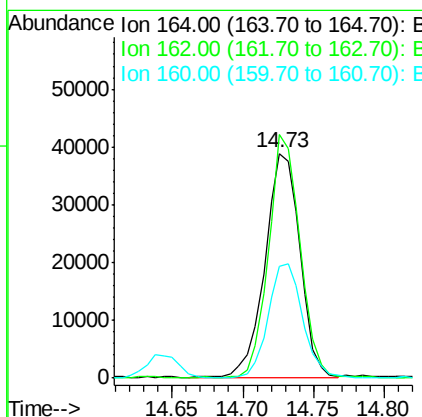
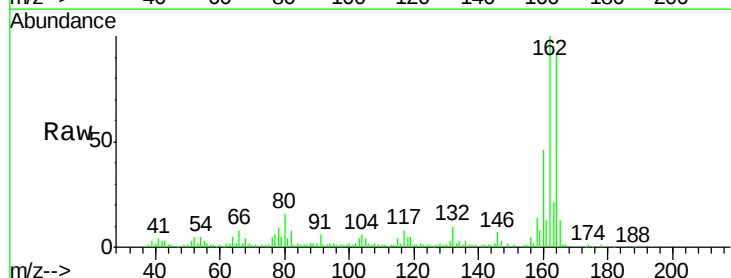
Instrument :
 BNA_G
 ClientSampleId :
 W-15

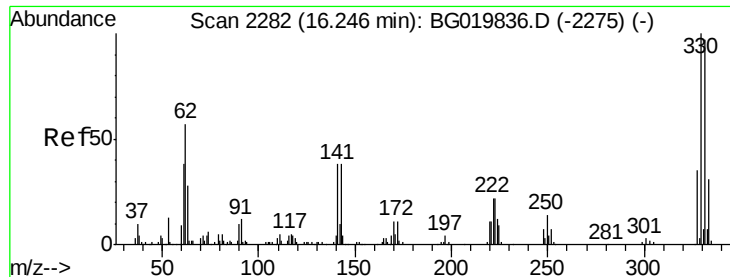
Tgt Ion:142 Resp: 9556
 Ion Ratio Lower Upper
 142 100
 141 90.5 74.6 112.0
 115 45.0 27.4 41.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.73 min Scan# 2023
 Delta R.T. -0.04 min
 Lab File: BG020111.D
 Acq: 11 Dec 2015 18:10

Tgt Ion:164 Resp: 67960
 Ion Ratio Lower Upper
 164 100
 162 108.2 78.8 118.2
 160 49.4 36.4 54.6

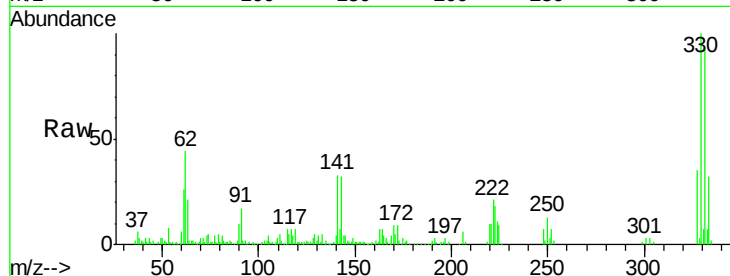




#41
 2,4,6-Tribromophenol
 Concen: 110.92 ng
 RT: 16.22 min Scan# 2277
 Delta R.T. -0.03 min
 Lab File: BG020111.D
 Acq: 11 Dec 2015 18:10

Instrument :
 BNA_G
 ClientSampleId :
 W-15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.1	117.1
141	36.4	28.2	42.2

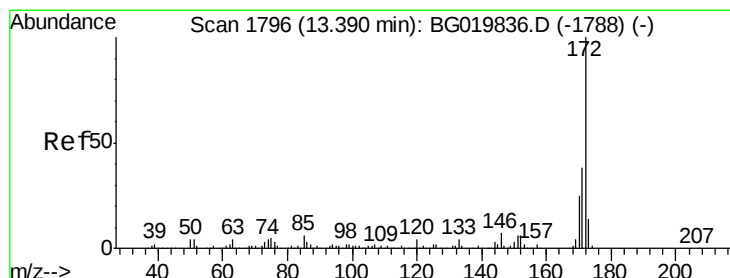
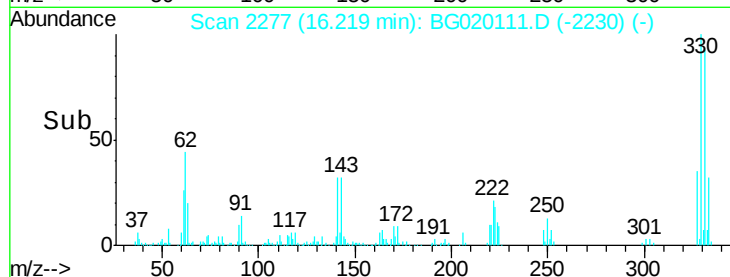
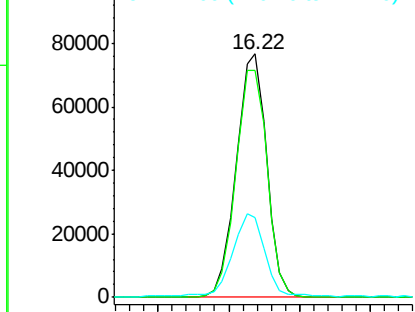


Abundance

Ion 329.80 (329.50 to 330.50): E

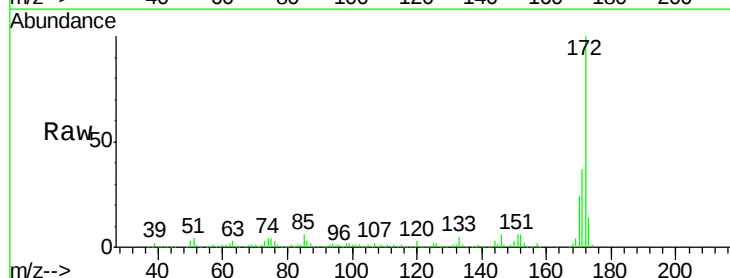
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 68.48 ng
 RT: 13.36 min Scan# 1790
 Delta R.T. -0.03 min
 Lab File: BG020111.D
 Acq: 11 Dec 2015 18:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.0	43.6
170	24.2	19.9	29.9

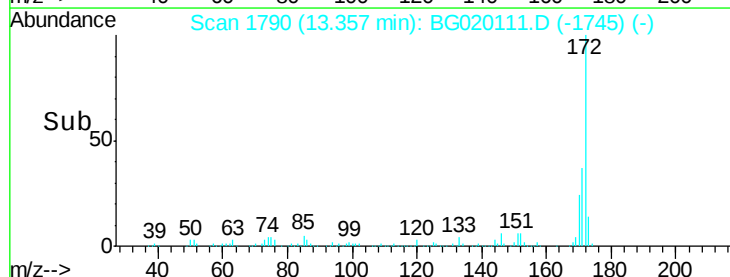
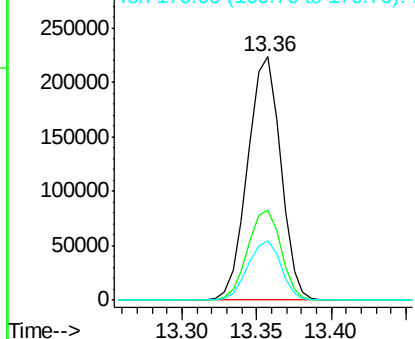


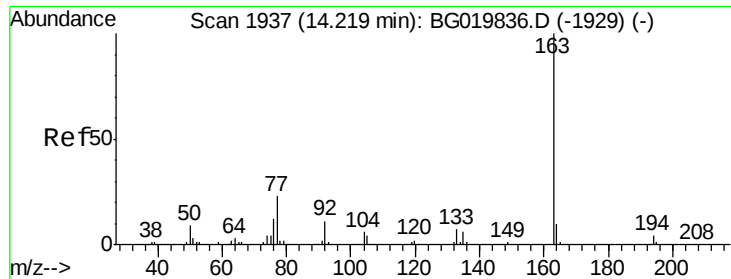
Abundance

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: 2.09 ng

RT: 14.17 min Scan# 1929

Delta R.T. -0.04 min

Lab File: BG020111.D

Acq: 11 Dec 2015 18:10

Instrument :

BNA_G

ClientSampleId :

W-15

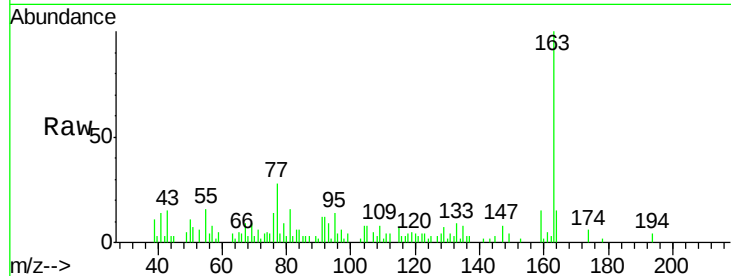
Tgt Ion:163 Resp: 12751

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

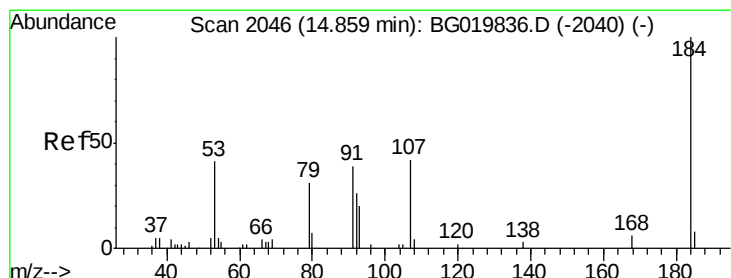
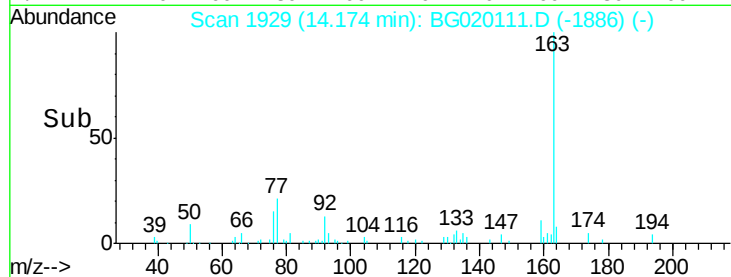
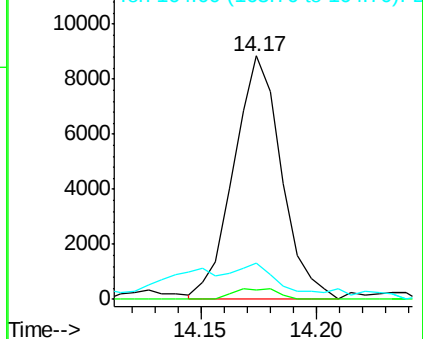
164 14.7 8.8 13.2#



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: 9.78 ng

RT: 14.88 min Scan# 2049

Delta R.T. 0.02 min

Lab File: BG020111.D

Acq: 11 Dec 2015 18:10

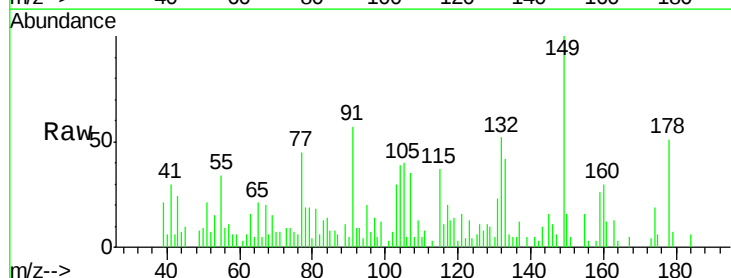
Tgt Ion:184 Resp: 356

Ion Ratio Lower Upper

184 100

63 268.2 42.7 64.1#

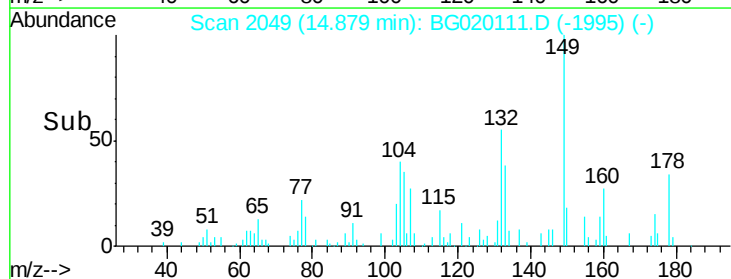
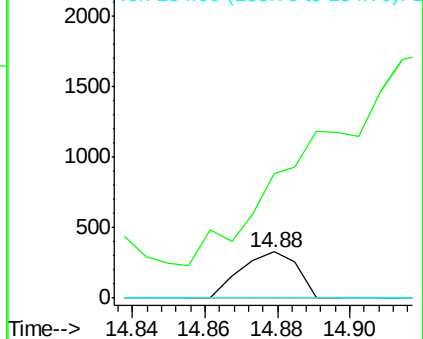
154 0.0 44.3 66.5#

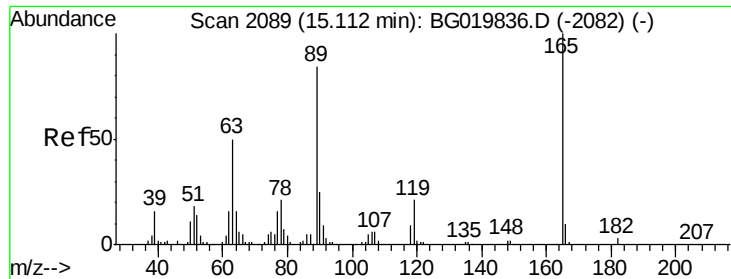


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

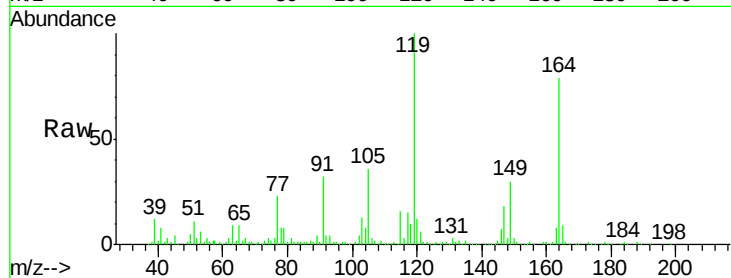




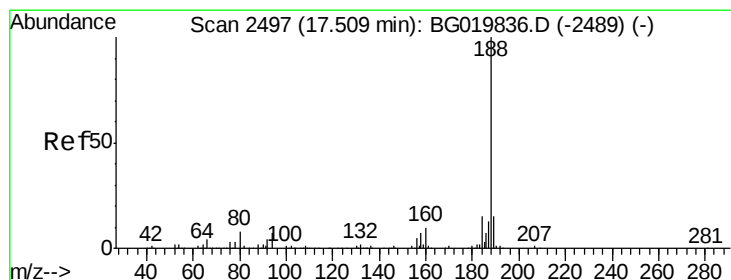
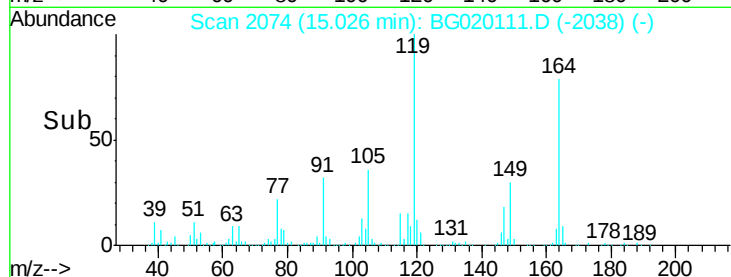
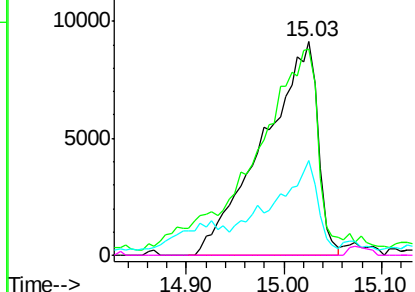
#56
2,4-Dinitrotoluene
Concen: 22.03 ng
RT: 15.03 min Scan# 2074
Delta R.T. -0.09 min
Lab File: BG020111.D
Acq: 11 Dec 2015 18:10

Instrument :
BNA_G
ClientSampleId :
W-15

Tgt Ion:165 Resp: 35323
Ion Ratio Lower Upper
165 100
63 96.5 31.0 46.4#
89 44.1 54.4 81.6#
182 0.0 1.6 2.4#

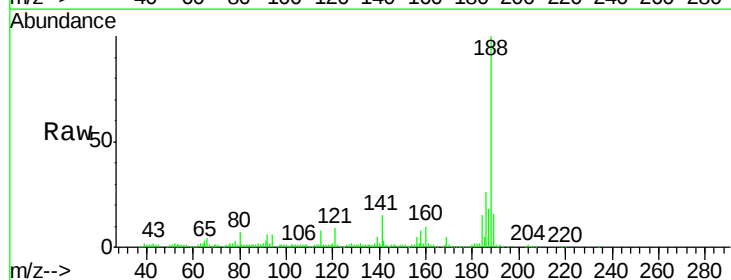


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

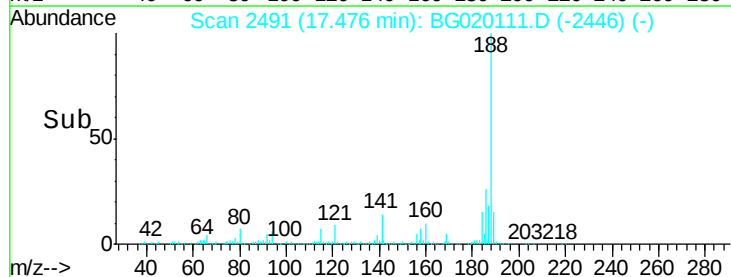
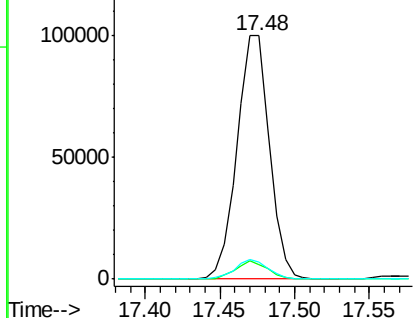


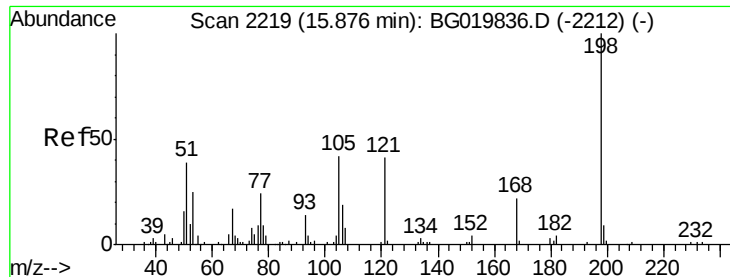
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2491
Delta R.T. -0.03 min
Lab File: BG020111.D
Acq: 11 Dec 2015 18:10

Tgt Ion:188 Resp: 151387
Ion Ratio Lower Upper
188 100
94 6.0 7.7 11.5#
80 6.8 7.8 11.8#



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: 6.34 ng

RT: 15.84 min Scan# 2212

Delta R.T. -0.04 min

Lab File: BG020111.D

Acq: 11 Dec 2015 18:10

Instrument :

BNA_G

ClientSampled :

W-15

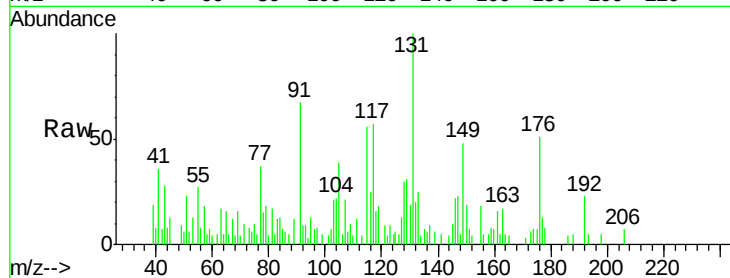
Tgt Ion:198 Resp: 226

Ion Ratio Lower Upper

198 100

51 452.6 14.2 54.2#

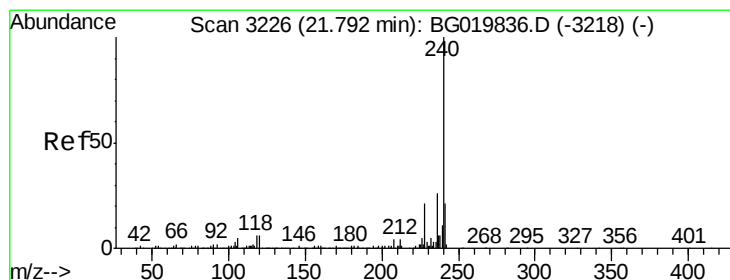
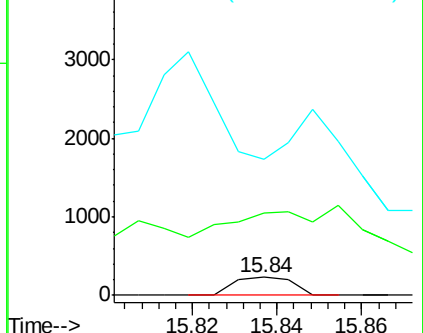
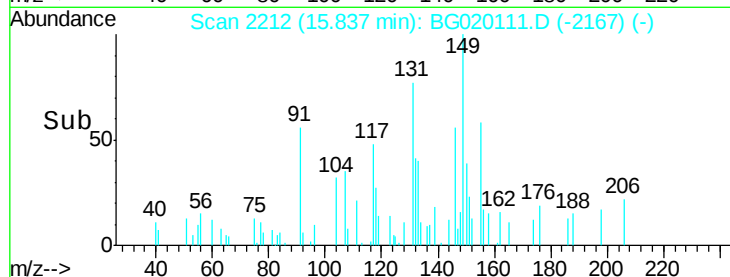
105 754.8 21.1 61.1#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.74 min Scan# 3217

Delta R.T. -0.05 min

Lab File: BG020111.D

Acq: 11 Dec 2015 18:10

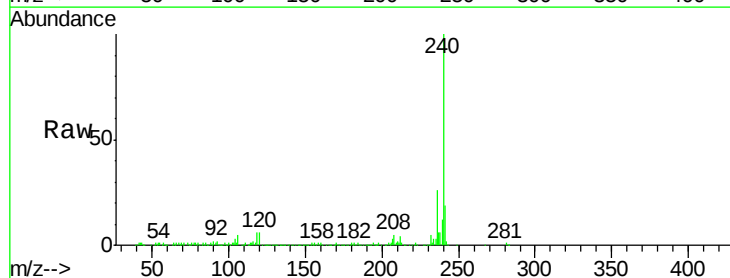
Tgt Ion:240 Resp: 181040

Ion Ratio Lower Upper

240 100

120 6.2 7.4 11.0#

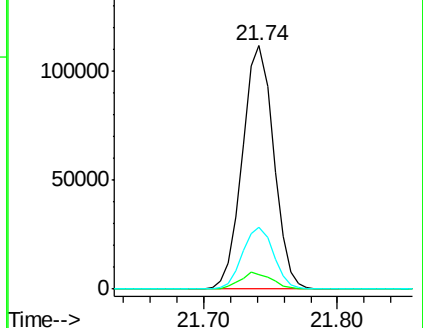
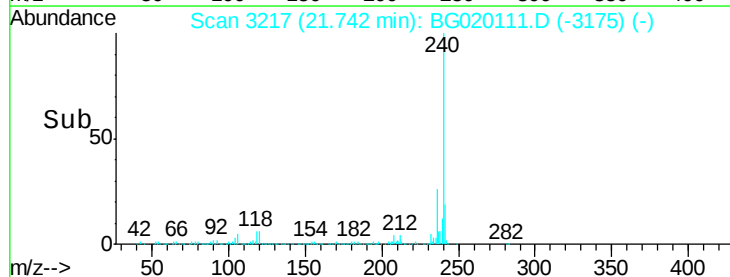
236 25.5 20.7 31.1

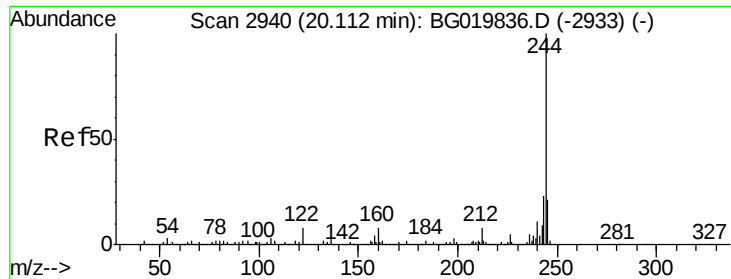


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 69.56 ng

RT: 20.07 min Scan# 2933

Delta R.T. -0.04 min

Lab File: BG020111.D

Acq: 11 Dec 2015 18:10

Instrument :

BNA_G

ClientSampleId :

W-15

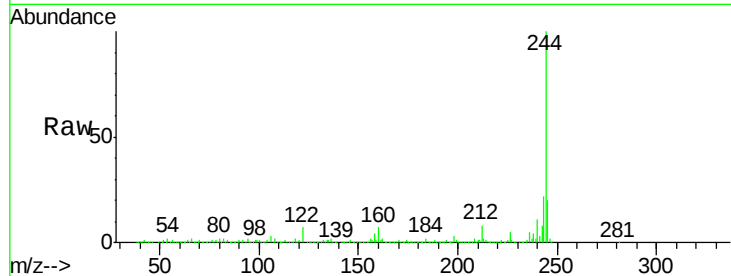
Tgt Ion:244 Resp: 516268

Ion Ratio Lower Upper

244 100

212 7.7 6.9 10.3

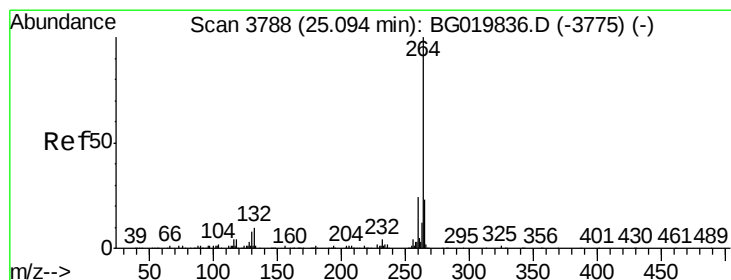
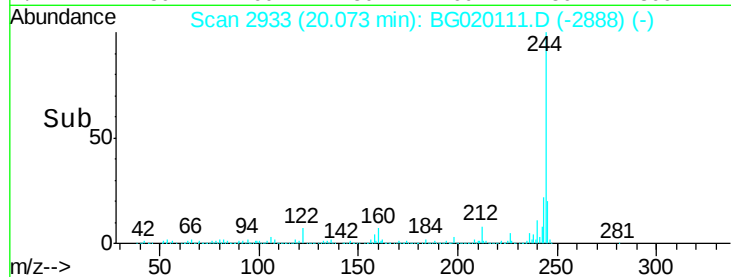
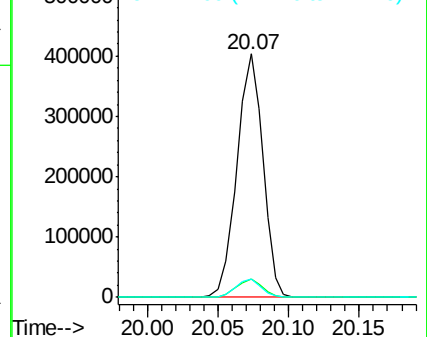
122 7.4 10.2 15.2#



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: 20.00 ng

RT: 25.01 min Scan# 3773

Delta R.T. -0.09 min

Lab File: BG020111.D

Acq: 11 Dec 2015 18:10

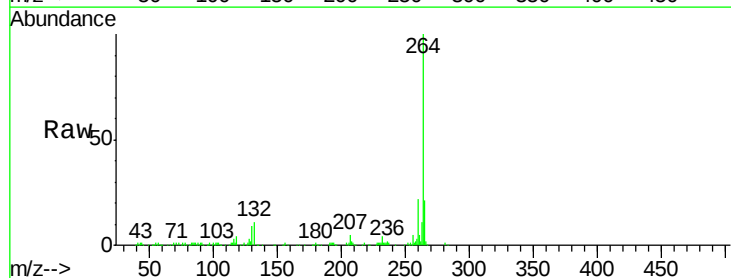
Tgt Ion:264 Resp: 171275

Ion Ratio Lower Upper

264 100

260 22.2 18.5 27.7

265 21.0 17.2 25.8



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

