

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
 Data File : BG019119.D
 Acq On : 10 Oct 2015 16:11
 Operator : UM/NP
 Sample : PB86050BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 06:34:42 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 06:30:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	14287	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	59713	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	42657	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	117740	20.00	ng	0.00
75) Chrysene-d12	21.68	240	151836	20.00	ng	0.00
86) Perylene-d12	24.90	264	145721	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	96432	137.43	ng	0.00
7) Phenol-d6	7.20	99	143171	132.82	ng	0.00
23) Nitrobenzene-d5	9.19	82	96693	89.47	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	75379	129.68	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	241795	87.16	ng	0.00
78) Terphenyl-d14	20.02	244	520282	90.52	ng	0.00

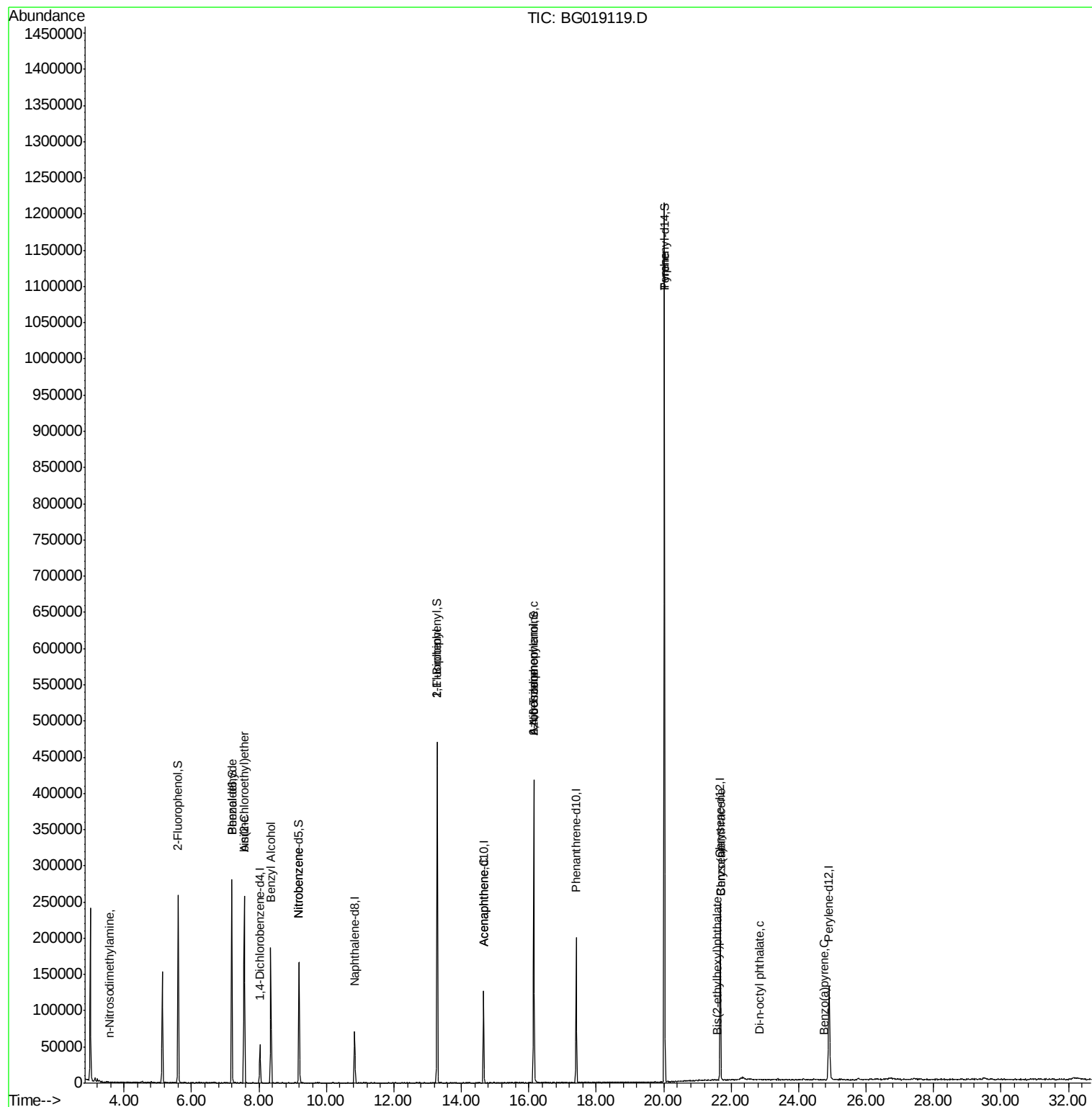
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.58	42	58	0.11	ng	# 1
6) Aniline	7.56	93	53	0.04	ng	# 1
9) Benzaldehyde	7.20	77	141	0.21	ng	# 3
11) bis(2-Chloroethyl)ether	7.56	93	53	0.06	ng	# 1
15) Benzyl Alcohol	8.35	79	1670	1.73	ng	# 56
24) Nitrobenzene	9.19	77	313	0.27	ng	# 43
45) 1,1'-Biphenyl	13.29	154	397	0.13	ng	# 1
51) Acenaphthene	14.66	154	75	0.03	ng	# 3
62) Azobenzene	16.15	77	307	0.09	ng	# 3
65) n-Nitrosodiphenylamine	16.14	169	2620	0.81	ng	# 53
77) Pyrene	20.02	202	2187	0.26	ng	# 57
80) Benzo(a)anthracene	21.69	228	470	0.06	ng	# 51
82) Chrysene	21.69	228	470	0.06	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.58	149	111	0.02	ng	# 52
84) Di-n-octyl phthalate	22.84	149	59	0.01	ng	# 1
89) Benzo(a)pyrene	24.76	252	55	0.01	ng	# 61

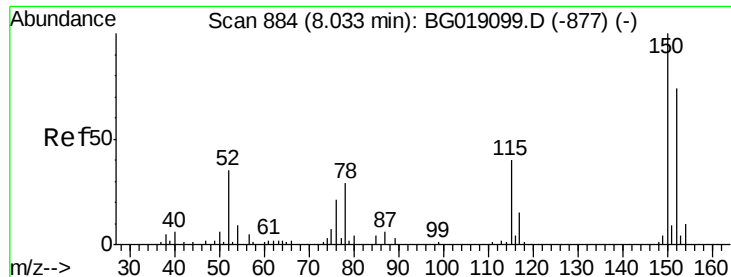
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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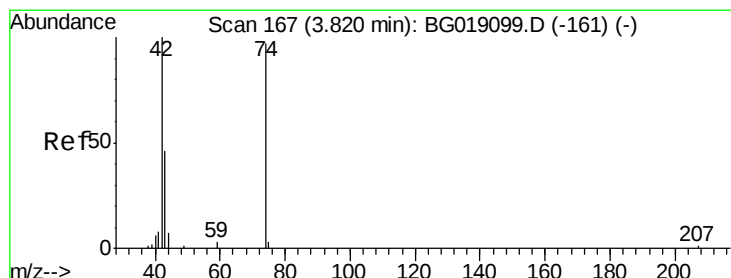
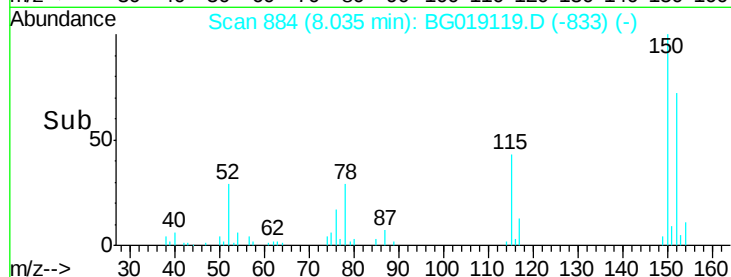
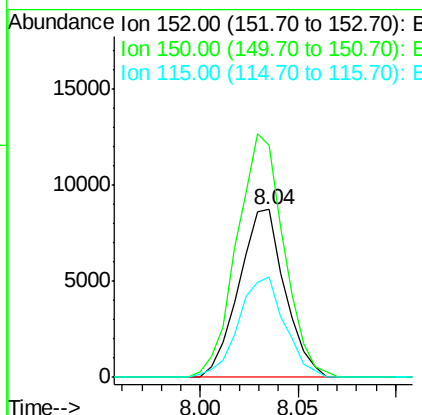
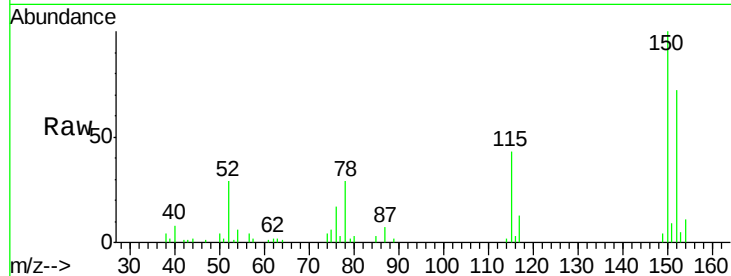


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 884
Delta R.T. -0.00 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

Instrument :
BNA_G
ClientSampleId :

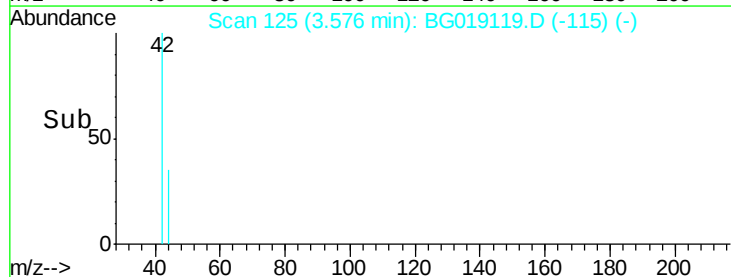
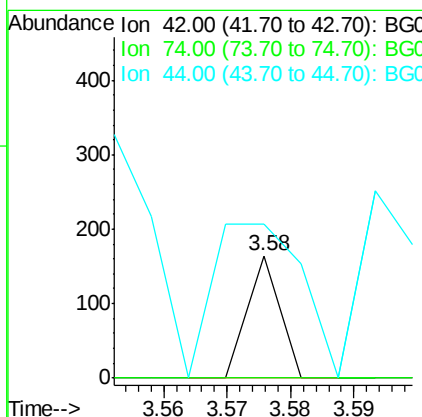
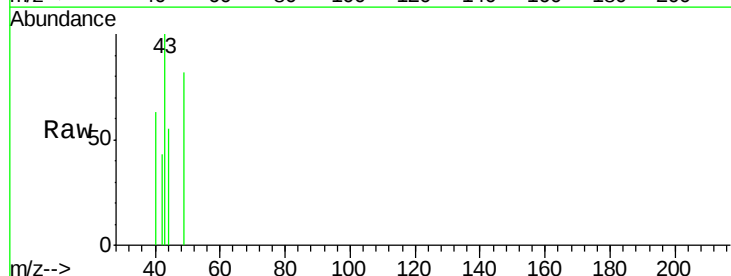
Tot Ion:152 Resp: 14287
Ion Ratio Lower Upper
152 100
150 138.3 108.2 162.2
115 59.5 43.2 64.8

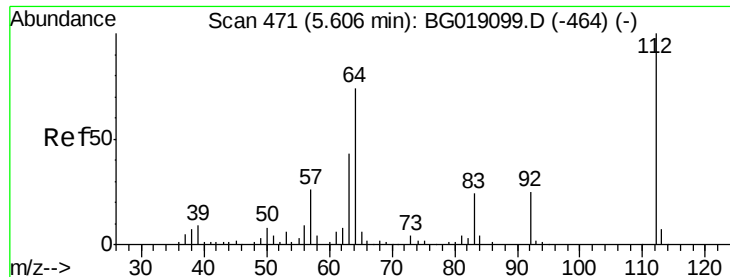


#4

n-Nitrosodimethylamine
Concen: 0.11 ng
RT: 3.58 min Scan# 125
Delta R.T. -0.24 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

Tgt Ion: 42 Resp: 58
Ion Ratio Lower Upper
42 100
74 0.0 77.3 115.9#
44 126.2 7.2 10.8#





#5

2-Fluorophenol

Concen: 137.43 ng

RT: 5.61 min Scan# 471

Delta R.T. 0.00 min

Lab File: BG019119.D

Acq: 10 Oct 2015 16:11

Instrument :

BNA_G

ClientSampleId :

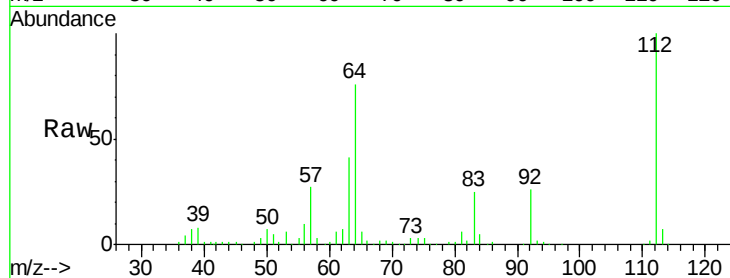
Tot Ion:112 Resp: 96432

Ion Ratio Lower Upper

112 100

64 75.6 59.0 88.4

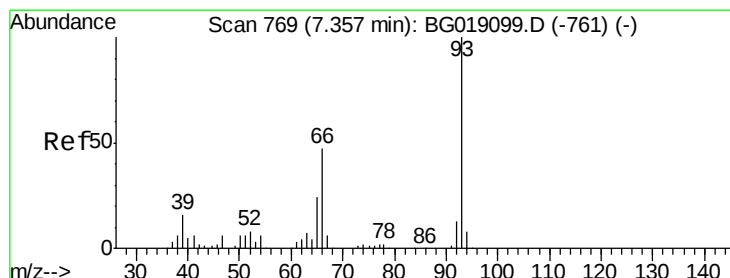
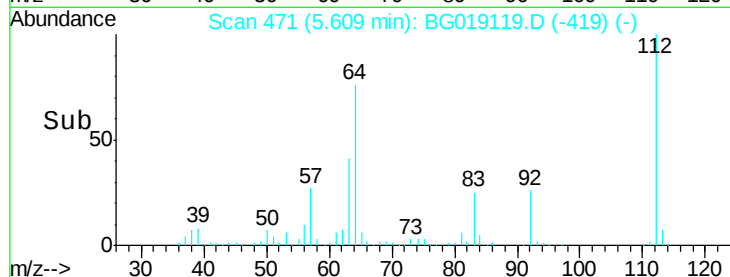
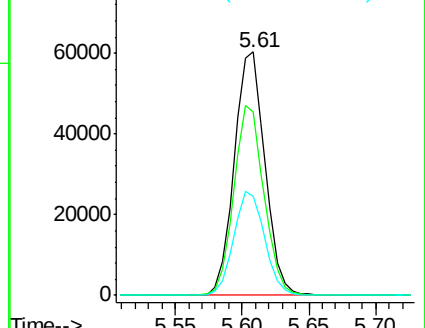
63 40.6 34.7 52.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.04 ng

RT: 7.56 min Scan# 803

Delta R.T. 0.20 min

Lab File: BG019119.D

Acq: 10 Oct 2015 16:11

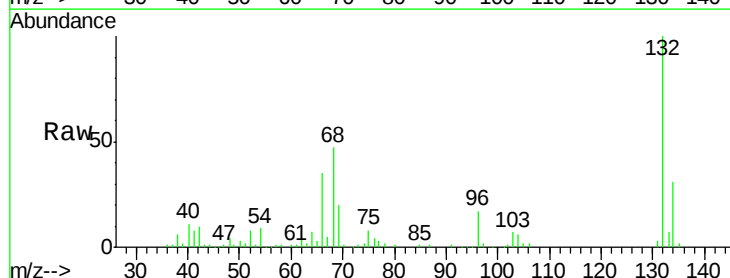
Tgt Ion: 93 Resp: 53

Ion Ratio Lower Upper

93 100

66 13434.7 37.4 56.2#

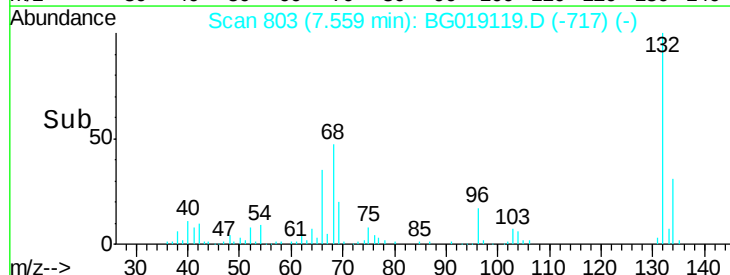
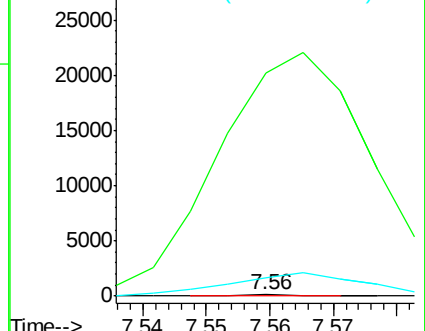
65 1136.7 19.6 29.4#

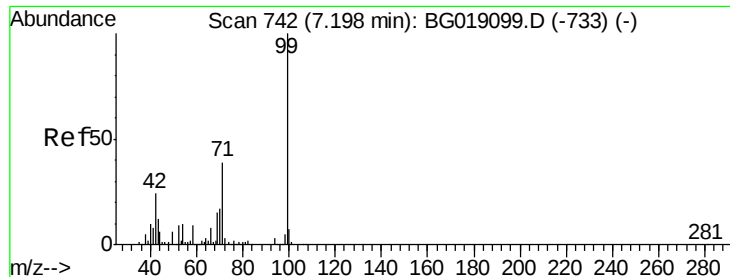


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 132.82 ng

RT: 7.20 min Scan# 741

Delta R.T. -0.00 min

Lab File: BG019119.D

Acq: 10 Oct 2015 16:11

Instrument :

BNA_G

ClientSampled :

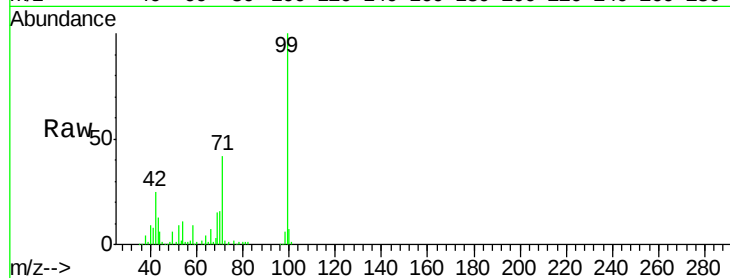
Tot Ion: 99 Resp: 143171

Ion Ratio Lower Upper

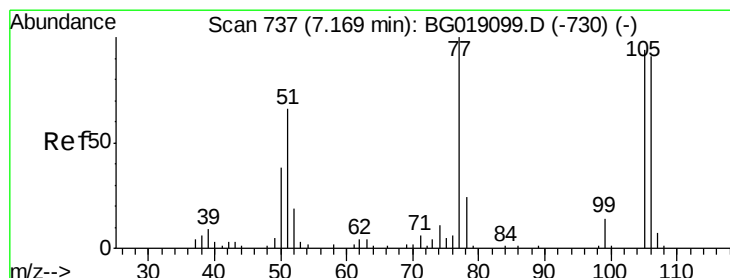
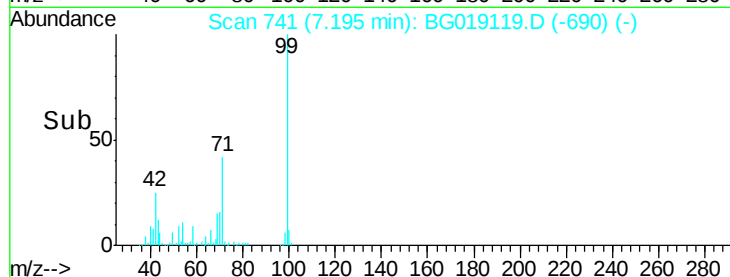
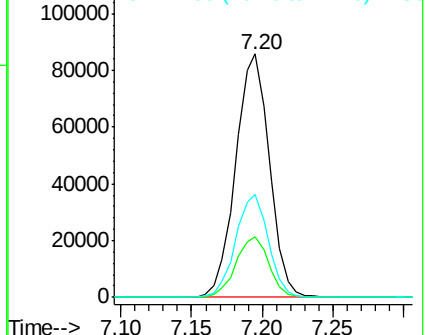
99 100

42 24.7 19.5 29.3

71 42.1 31.4 47.0



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



#9

Benzaldehyde

Concen: 0.21 ng

RT: 7.20 min Scan# 741

Delta R.T. 0.03 min

Lab File: BG019119.D

Acq: 10 Oct 2015 16:11

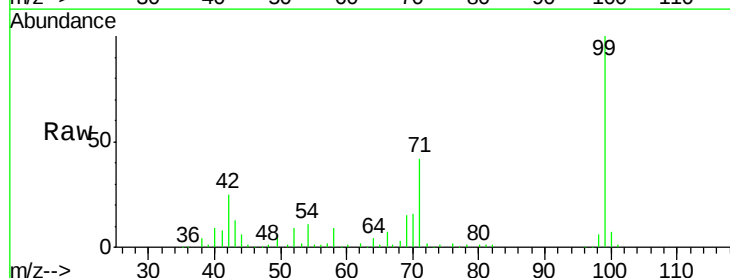
Tgt Ion: 77 Resp: 141

Ion Ratio Lower Upper

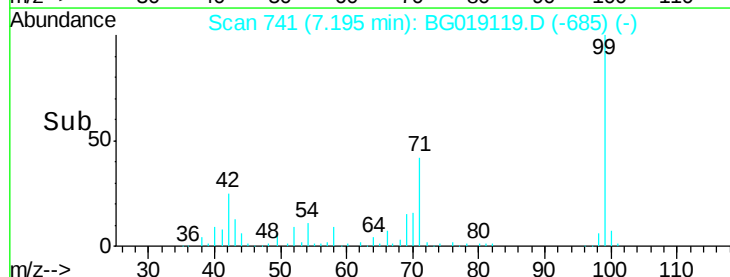
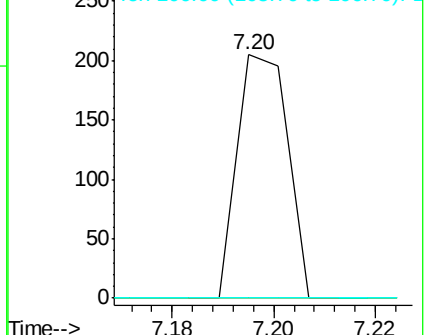
77 100

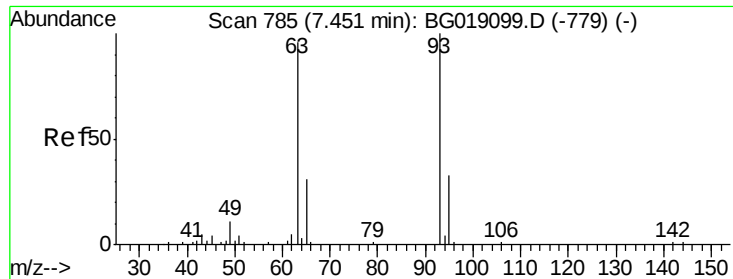
105 0.0 73.7 113.7#

106 0.0 71.0 111.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

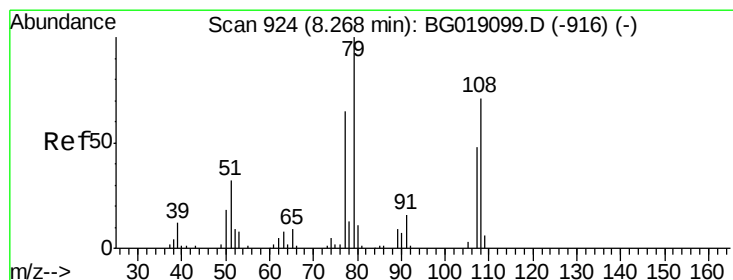
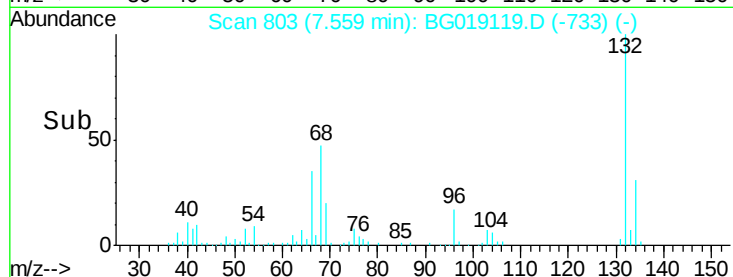
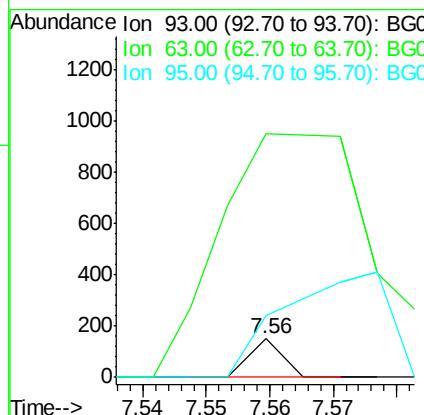
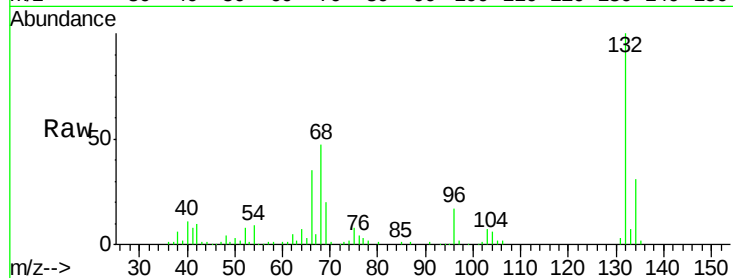




#11
bis(2-Chloroethyl)ether
Concen: 0.06 ng
RT: 7.56 min Scan# 803
Delta R.T. 0.11 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

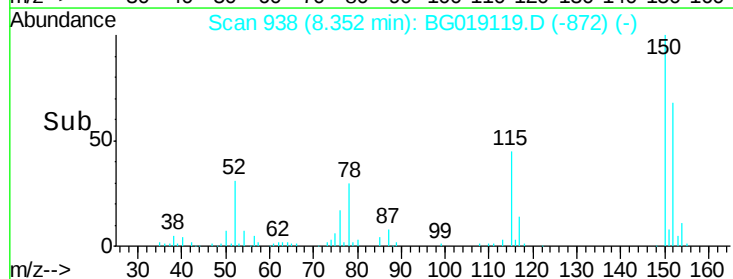
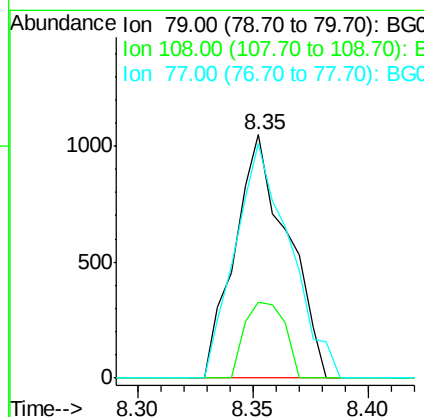
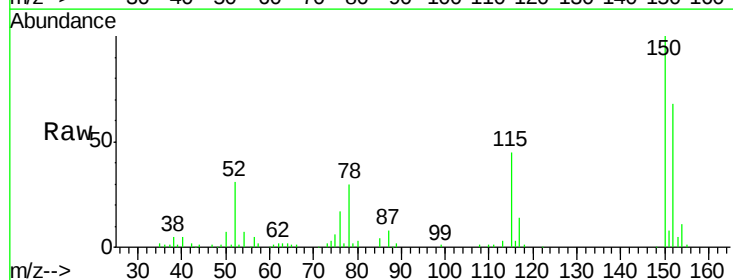
Instrument :
BNA_G
ClientSampleId :

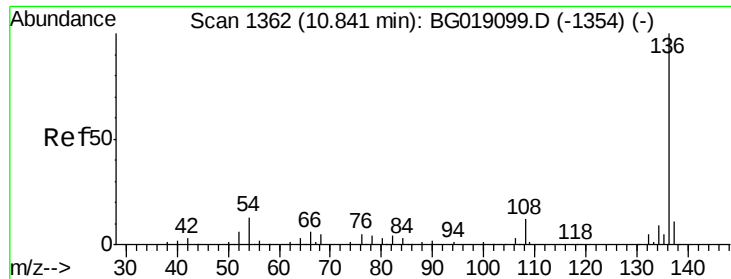
Tot Ion: 93 Resp: 53
Ion Ratio Lower Upper
93 100
63 632.7 75.3 115.3#
95 162.0 12.9 52.9#



#15
Benzyl Alcohol
Concen: 1.73 ng
RT: 8.35 min Scan# 938
Delta R.T. 0.09 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

Tgt Ion: 79 Resp: 1670
Ion Ratio Lower Upper
79 100
108 31.2 56.6 84.8#
77 96.3 51.6 77.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.84 min Scan# 1361

Delta R.T. -0.00 min

Lab File: BG019119.D

Acq: 10 Oct 2015 16:11

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 59713

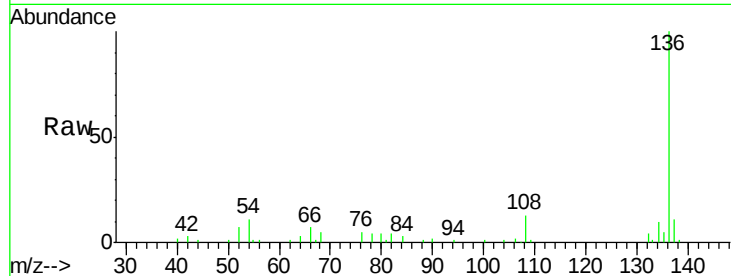
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 11.0 10.1 15.1

68 5.4 4.4 6.6

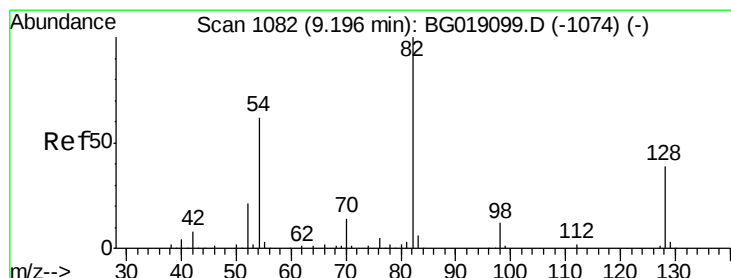
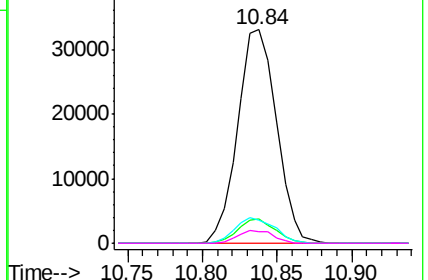
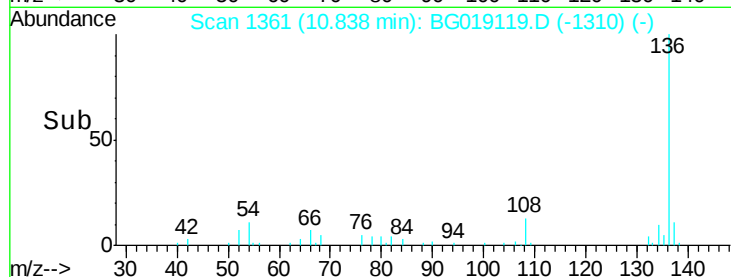


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.47 ng

RT: 9.19 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BG019119.D

Acq: 10 Oct 2015 16:11

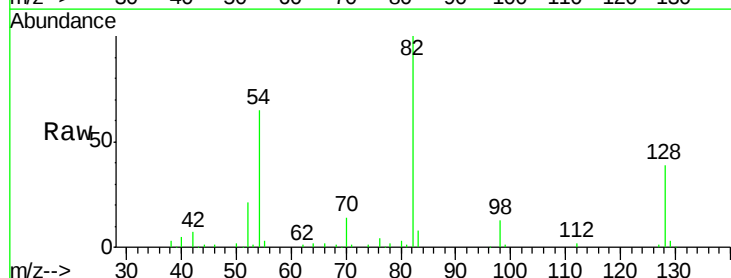
Tgt Ion: 82 Resp: 96693

Ion Ratio Lower Upper

82 100

128 38.8 31.4 47.2

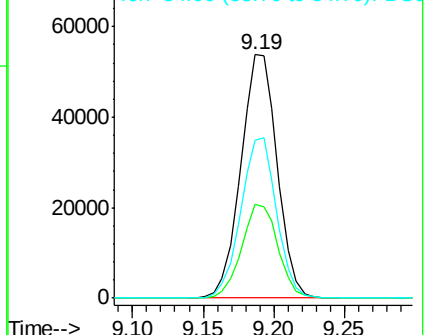
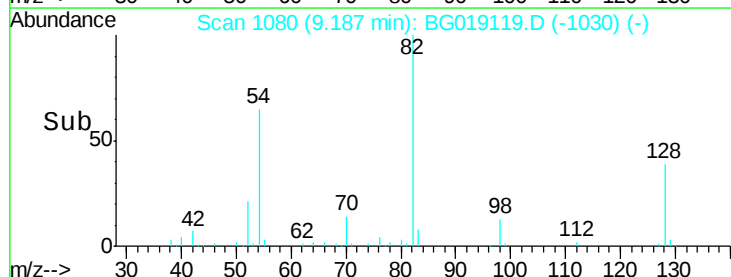
54 65.1 50.0 75.0

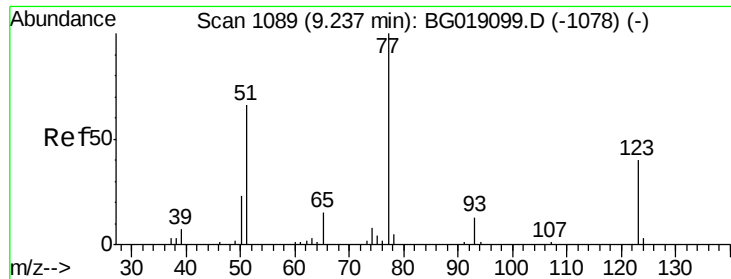


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

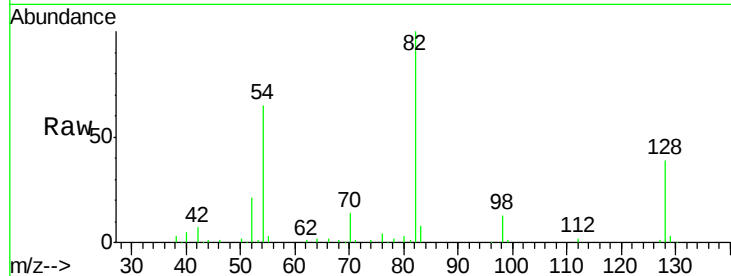




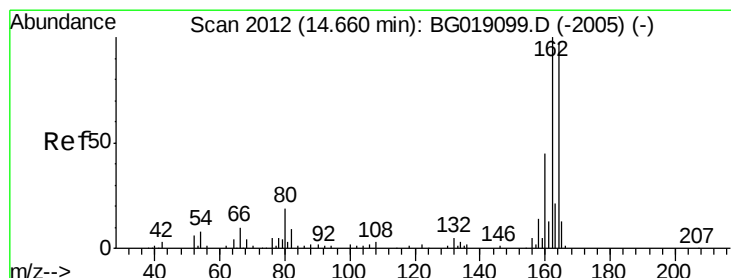
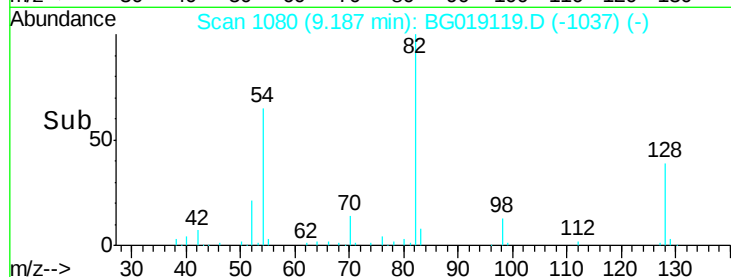
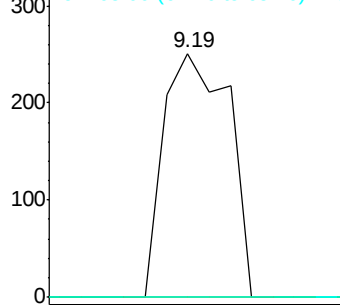
#24
Nitrobenzene
Concen: 0.27 ng
RT: 9.19 min Scan# 1080
Delta R.T. -0.05 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 313
Ion Ratio Lower Upper
77 100
123 0.0 31.8 47.6#
65 0.0 11.8 17.6#

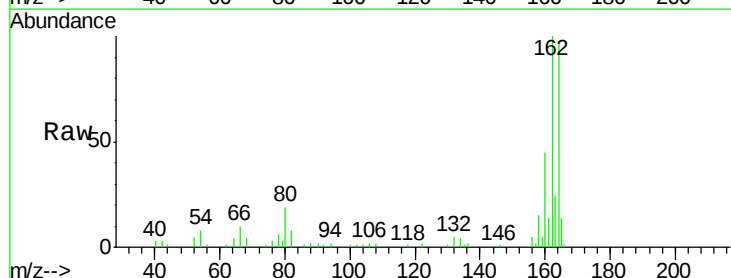


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

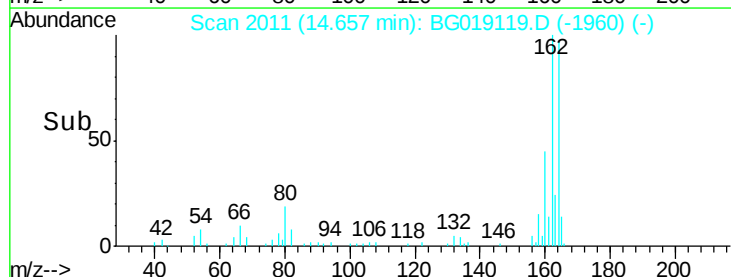
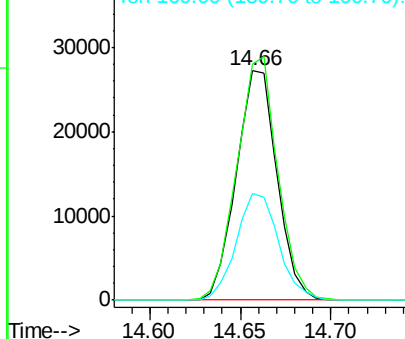


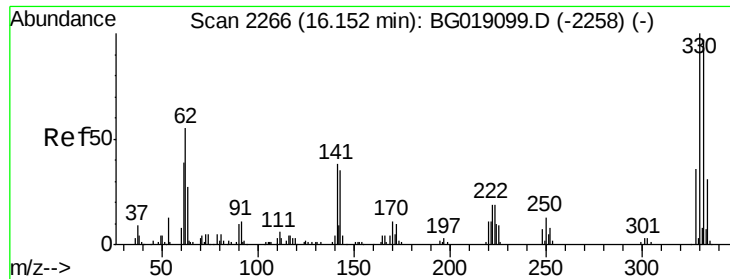
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

Tgt Ion: 164 Resp: 42657
Ion Ratio Lower Upper
164 100
162 102.8 82.6 124.0
160 46.7 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

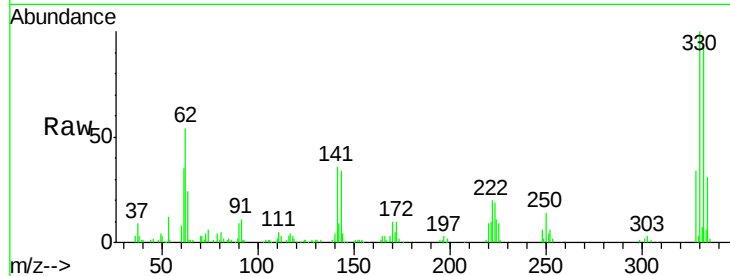




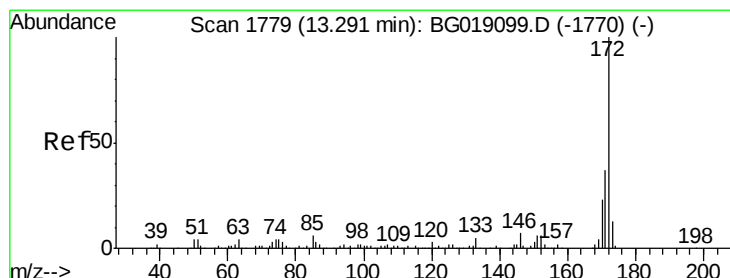
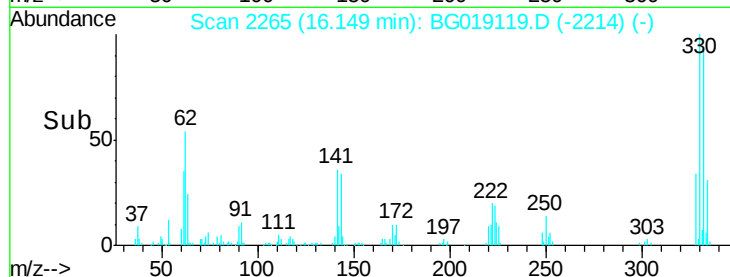
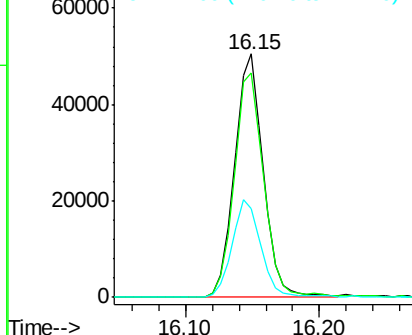
#41
 2,4,6-Tribromophenol
 Concen: 129.68 ng
 RT: 16.15 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: BG019119.D
 Acq: 10 Oct 2015 16:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	330	Resp	75379
Ion Ratio	100	Lower	Upper
330	100		
332	94.6	77.3	115.9
141	40.4	30.7	46.1

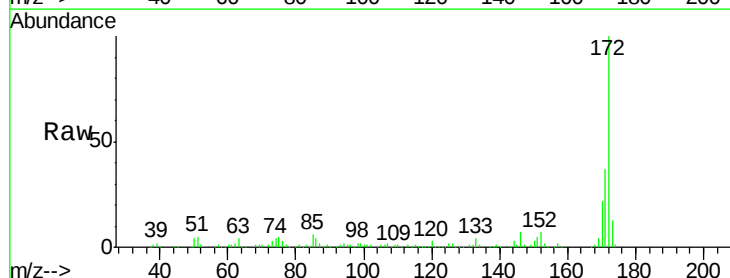


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

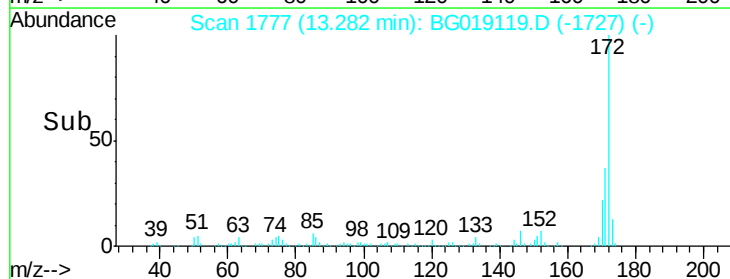
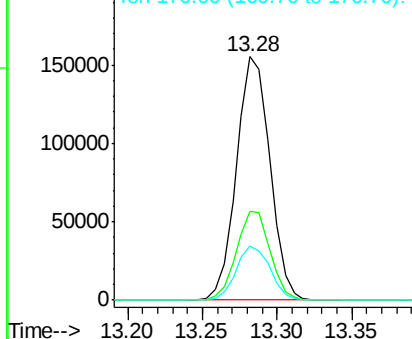


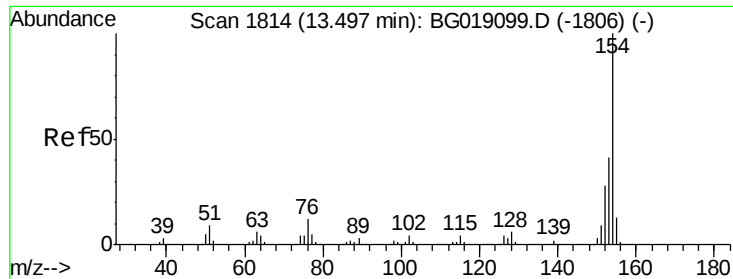
#44
 2-Fluorobiphenyl
 Concen: 87.16 ng
 RT: 13.28 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BG019119.D
 Acq: 10 Oct 2015 16:11

Tgt Ion	172	Resp	241795
Ion Ratio	100	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	22.4	18.6	27.8



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





#45

1,1'-Biphenyl

Concen: 0.13 ng

RT: 13.29 min Scan# 1778

Delta R.T. -0.21 min

Lab File: BG019119.D

Acq: 10 Oct 2015 16:11

Instrument :

BNA_G

ClientSampleId :

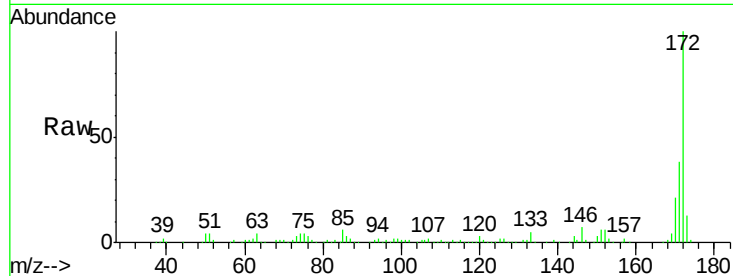
Tot Ion:154 Resp: 397

Ion Ratio Lower Upper

154 100

153 879.7 20.6 60.6#

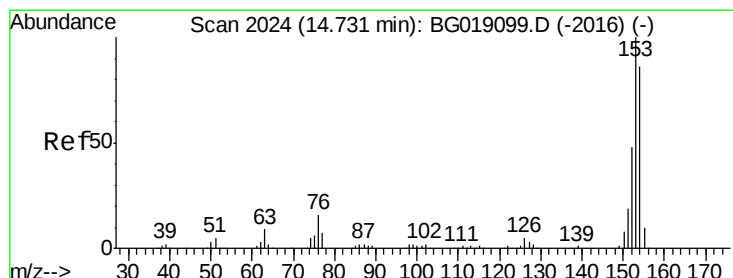
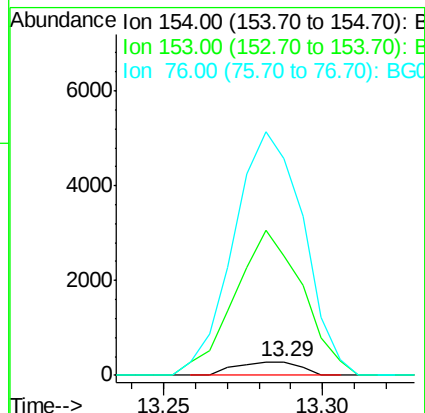
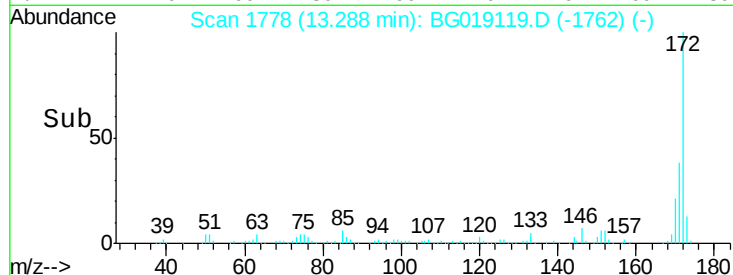
76 1599.0 0.0 32.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#51

Acenaphthene

Concen: 0.03 ng

RT: 14.66 min Scan# 2012

Delta R.T. -0.07 min

Lab File: BG019119.D

Acq: 10 Oct 2015 16:11

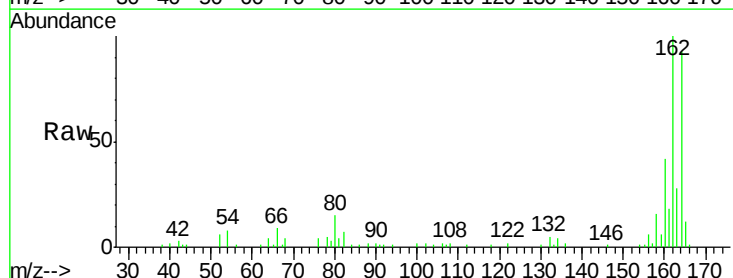
Tgt Ion:154 Resp: 75

Ion Ratio Lower Upper

154 100

153 0.0 93.4 140.2#

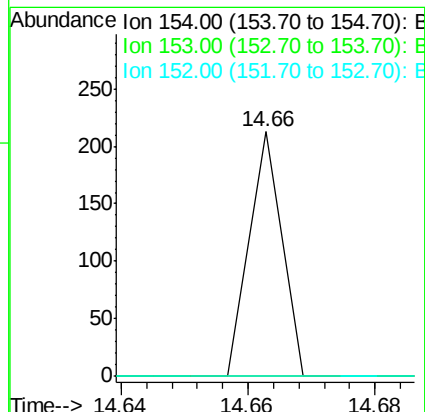
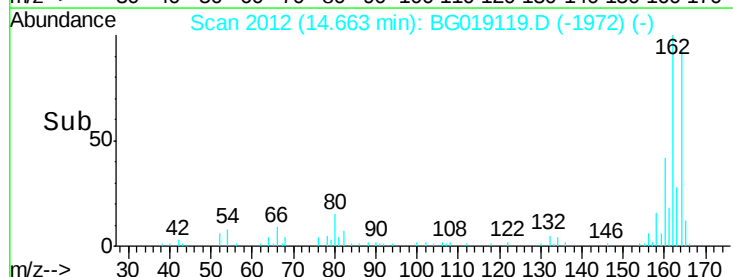
152 0.0 44.9 67.3#

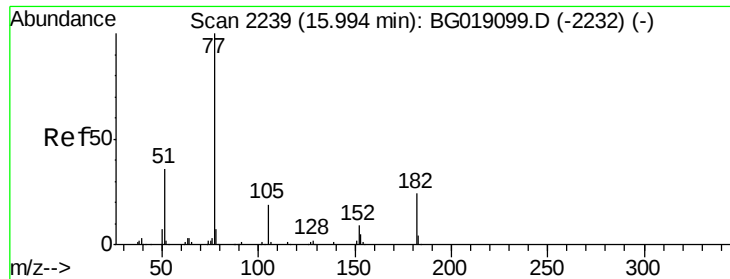


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

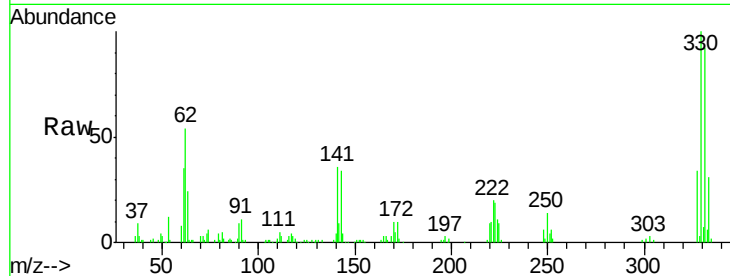




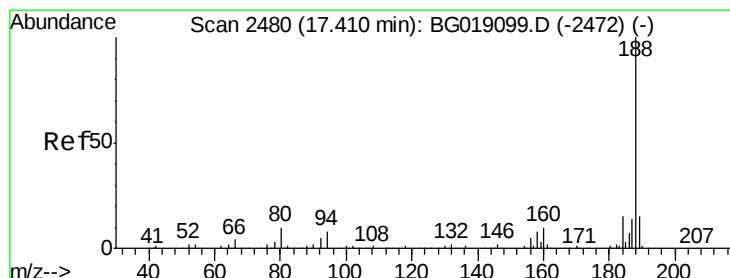
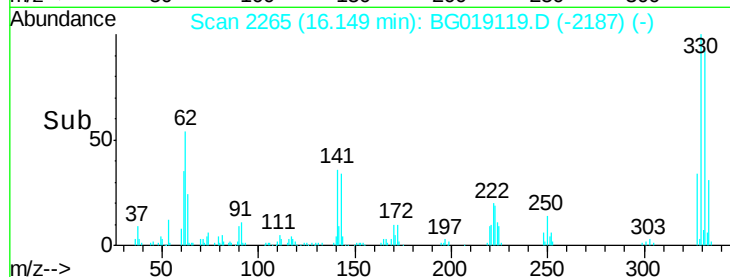
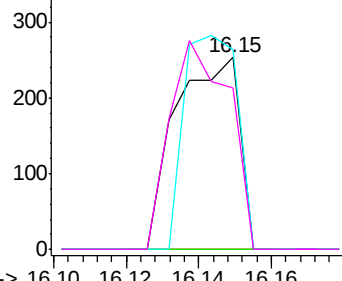
#62
Azobenzene
Concen: 0.09 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.16 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 307
Ion Ratio Lower Upper
77 100
182 0.0 4.4 44.4#
105 104.0 0.0 39.1#
51 84.2 15.9 55.9#

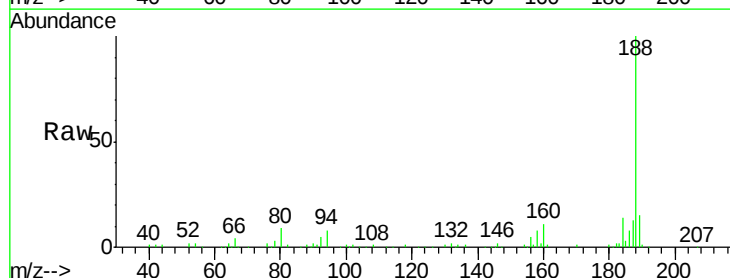


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

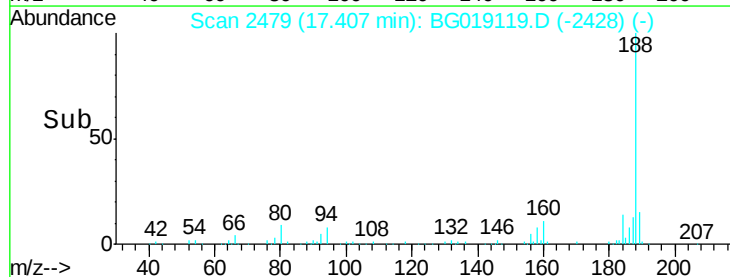
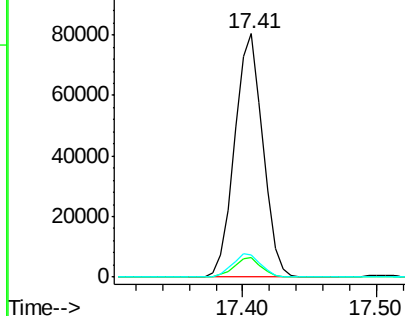


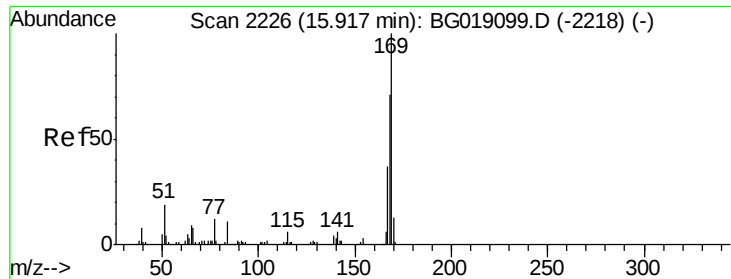
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.41 min Scan# 2479
Delta R.T. -0.00 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

Tgt Ion: 188 Resp: 117740
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 9.1 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

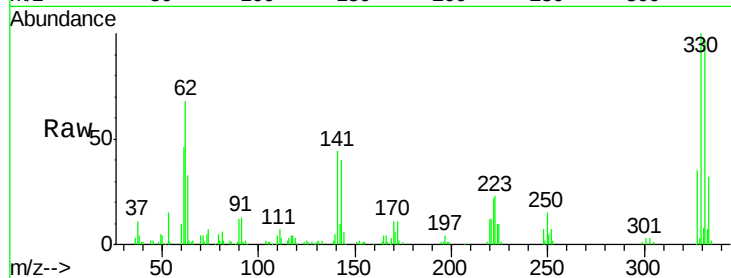




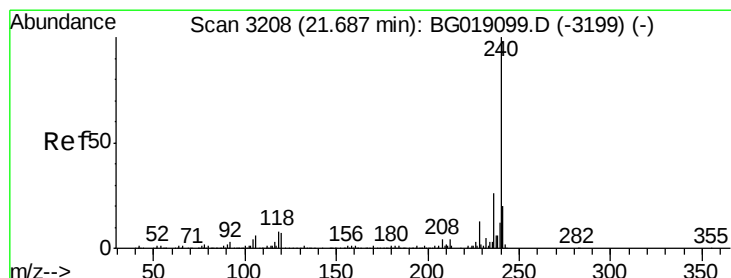
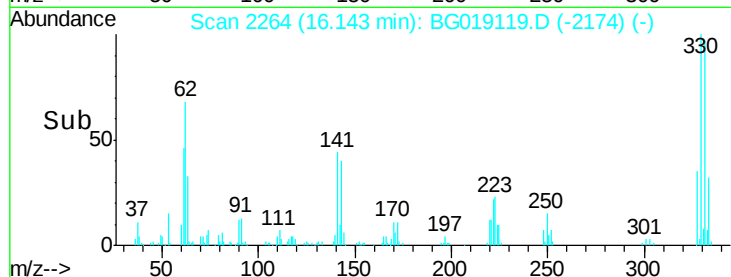
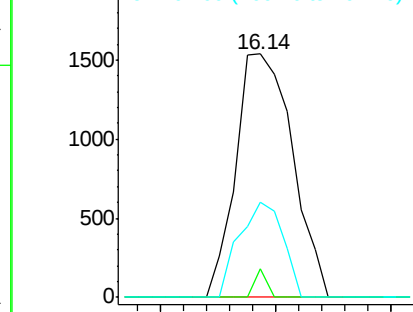
#65
 n-Nitrosodiphenylamine
 Concen: 0.81 ng
 RT: 16.14 min Scan# 2264
 Delta R.T. 0.23 min
 Lab File: BG019119.D
 Acq: 10 Oct 2015 16:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 2620
 Ion Ratio Lower Upper
 169 100
 168 11.9 56.6 84.8#
 167 39.1 30.0 45.0

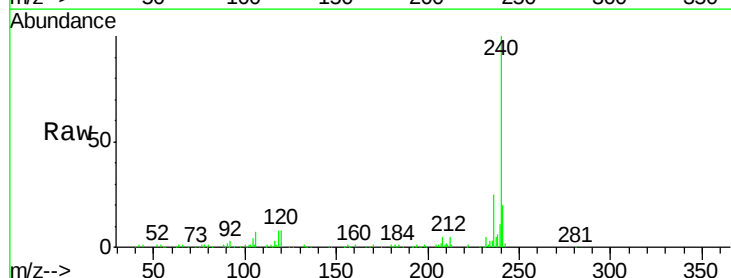


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

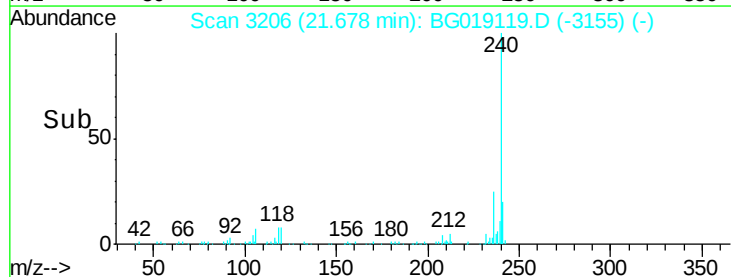
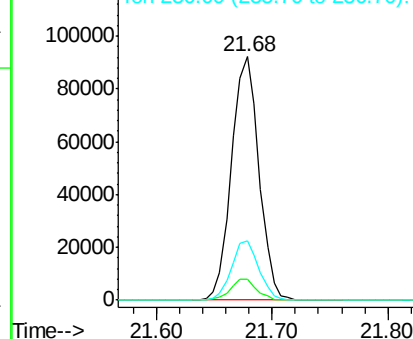


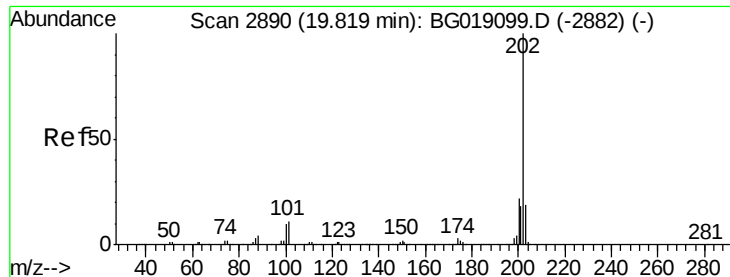
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: BG019119.D
 Acq: 10 Oct 2015 16:11

Tgt Ion:240 Resp: 151836
 Ion Ratio Lower Upper
 240 100
 120 8.4 5.8 8.6
 236 24.5 21.2 31.8



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





#77

Pvrene

Concen: 0.26 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.20 min

Lab File: BG019119.D

Acq: 10 Oct 2015 16:11

Instrument :

BNA_G

ClientSampled :

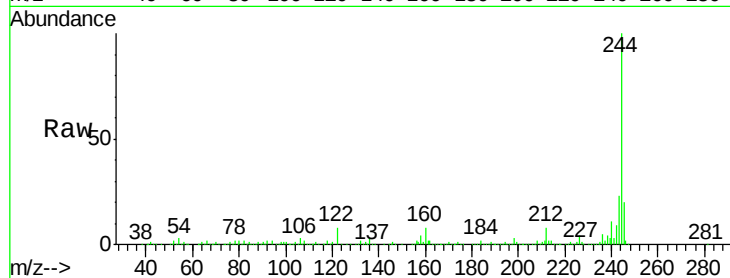
Tot Ion:202 Resp: 2187

Ion Ratio Lower Upper

202 100

200 55.4 17.4 26.2#

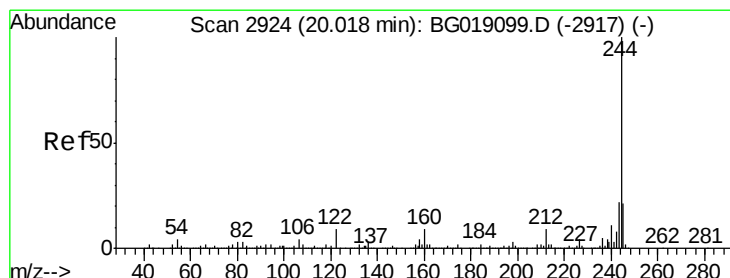
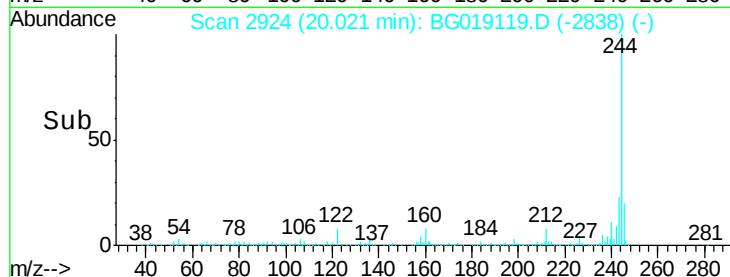
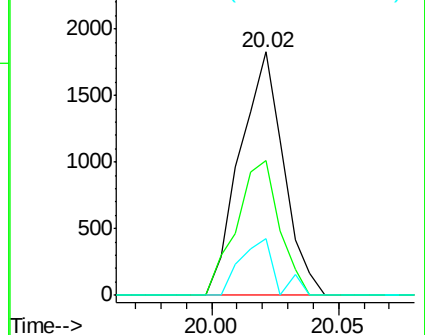
203 23.4 14.8 22.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 90.52 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BG019119.D

Acq: 10 Oct 2015 16:11

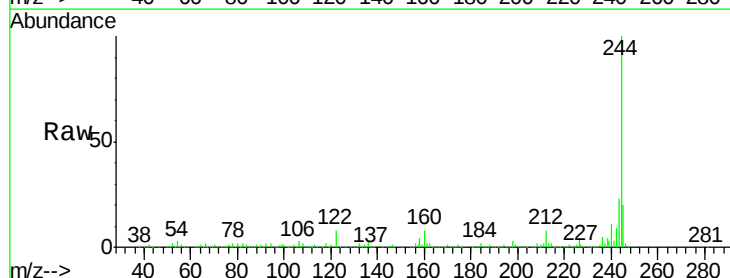
Tgt Ion:244 Resp: 520282

Ion Ratio Lower Upper

244 100

212 8.2 6.8 10.2

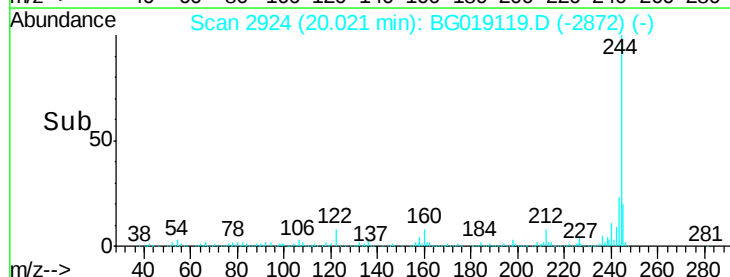
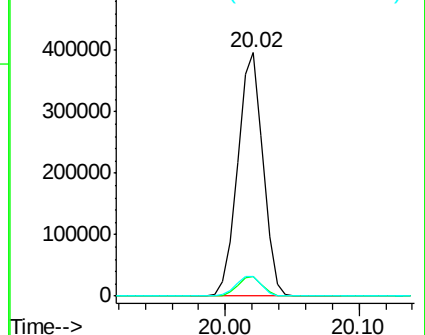
122 8.2 7.4 11.2

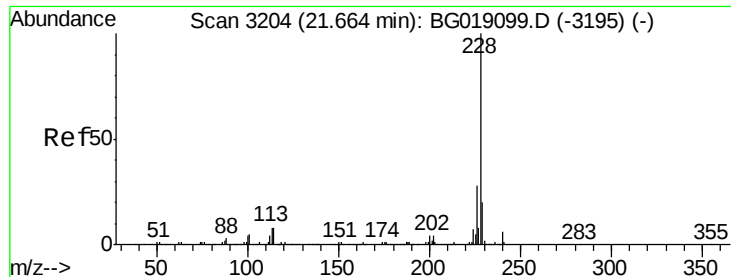


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

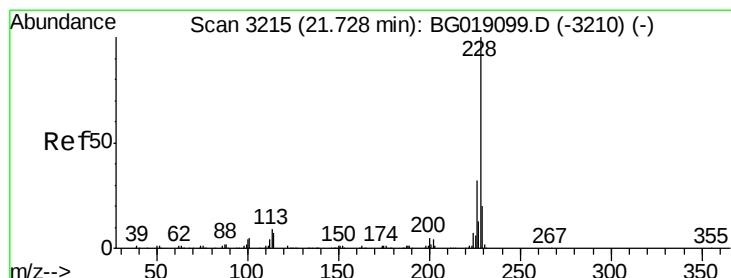
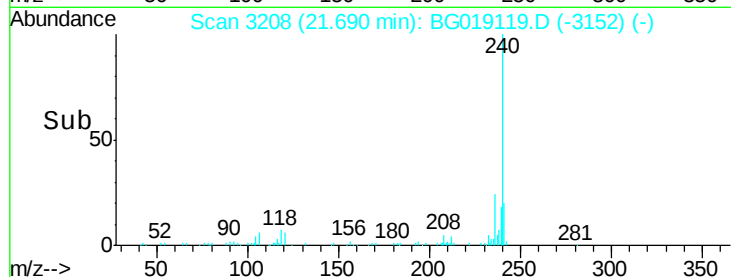
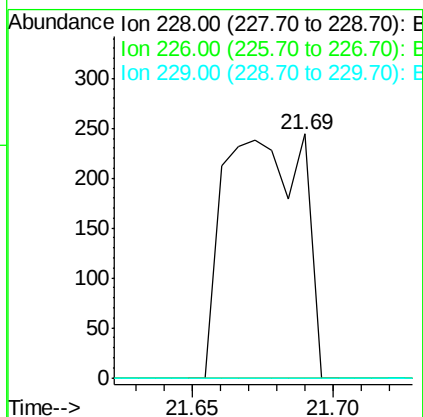
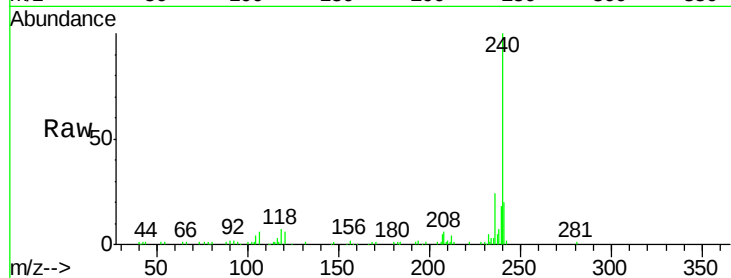




#80
Benzo(a)anthracene
Concen: 0.06 ng
RT: 21.69 min Scan# 3208
Delta R.T. 0.03 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

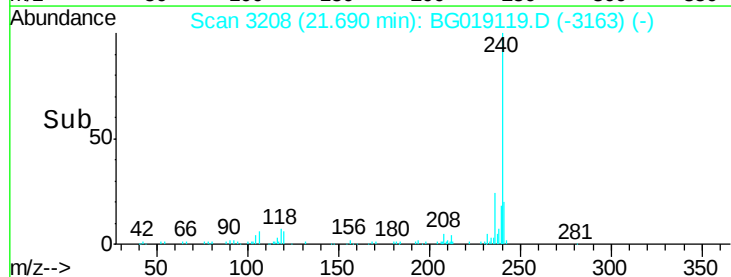
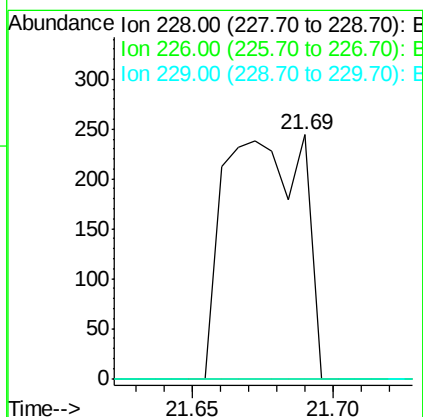
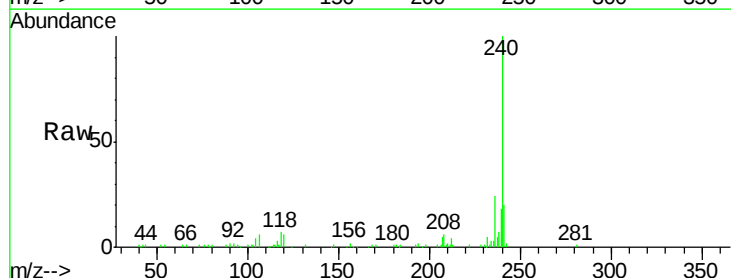
Instrument :
BNA_G
ClientSampleId :

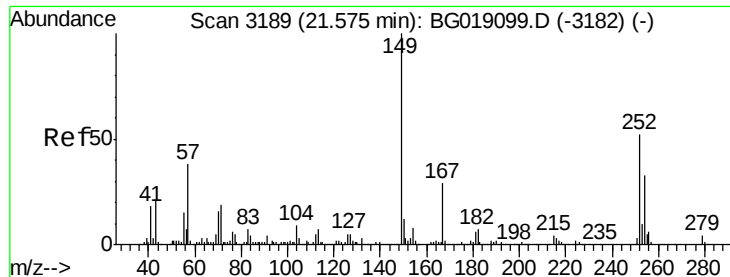
Tot Ion:228 Resp: 470
Ion Ratio Lower Upper
228 100
226 0.0 22.4 33.6#
229 0.0 16.2 24.2#



#82
Chrysene
Concen: 0.06 ng
RT: 21.69 min Scan# 3208
Delta R.T. -0.04 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

Tgt Ion:228 Resp: 470
Ion Ratio Lower Upper
228 100
226 0.0 25.2 37.8#
229 0.0 16.3 24.5#

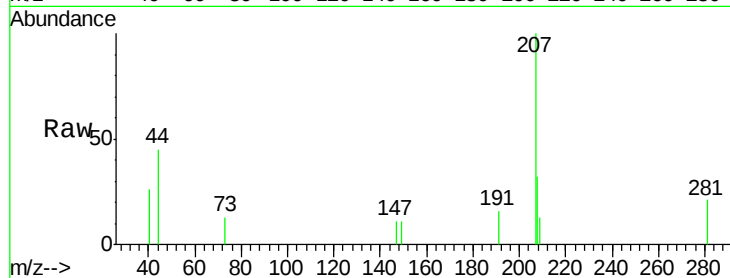




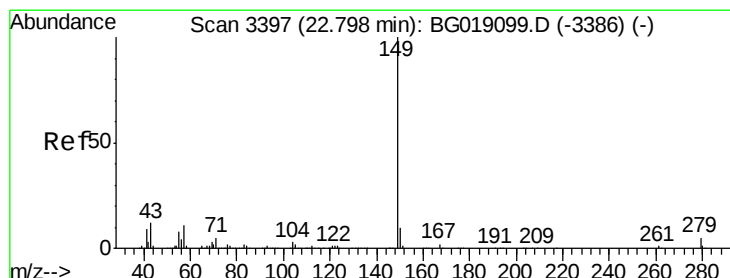
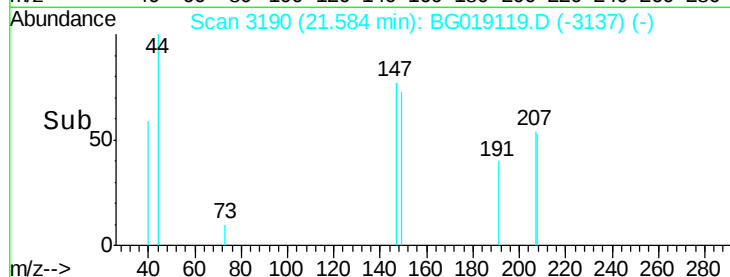
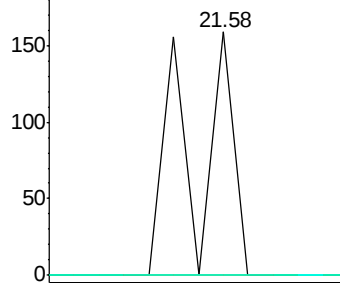
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.02 ng
 RT: 21.58 min Scan# 3190
 Delta R.T. 0.01 min
 Lab File: BG019119.D
 Acq: 10 Oct 2015 16:11

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:149 Resp: 111
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.8 34.2#
 279 0.0 3.6 5.4#

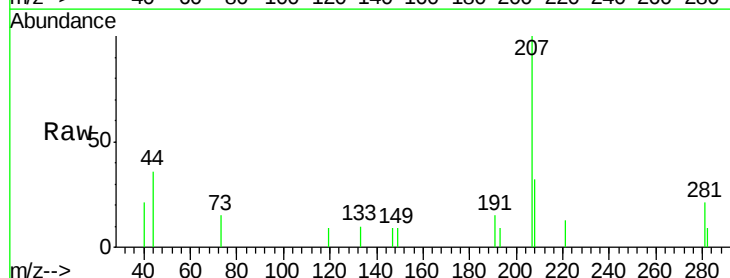


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

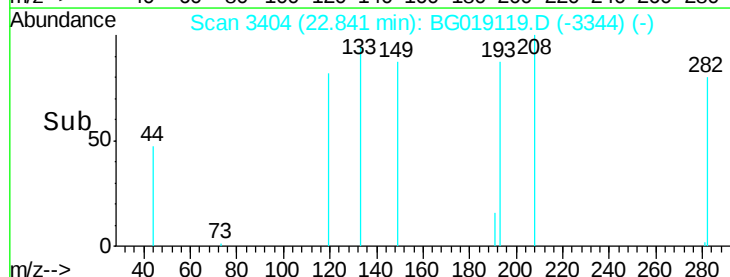
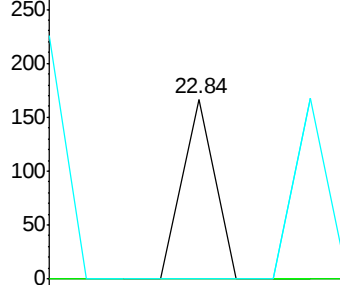


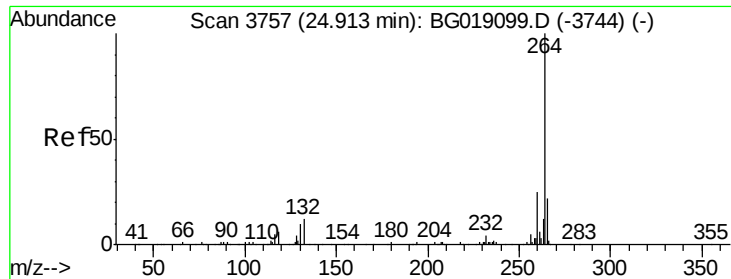
#84
 Di-n-octyl phthalate
 Concen: 0.01 ng
 RT: 22.84 min Scan# 3404
 Delta R.T. 0.05 min
 Lab File: BG019119.D
 Acq: 10 Oct 2015 16:11

Tgt Ion:149 Resp: 59
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 100.0 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BGC

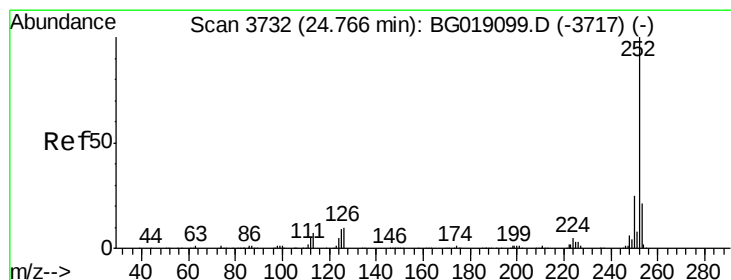
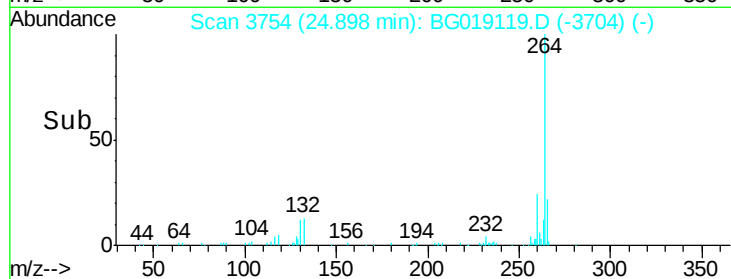
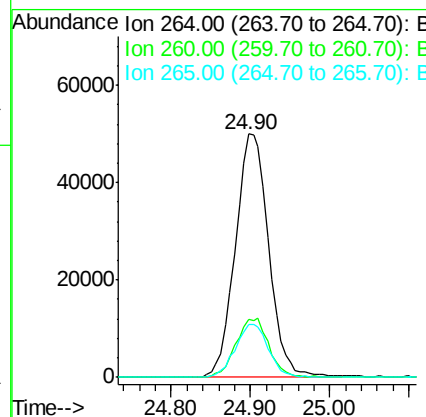
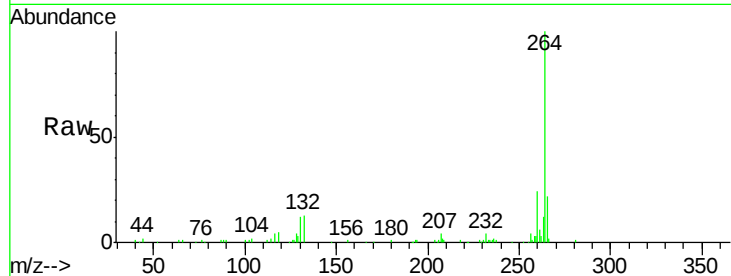




#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.90 min Scan# 3754
Delta R.T. -0.01 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 145721
Ion Ratio Lower Upper
264 100
260 23.7 20.1 30.1
265 21.5 17.2 25.8



#89
Benzo(a)pyrene
Concen: 0.01 ng
RT: 24.76 min Scan# 3731
Delta R.T. 0.01 min
Lab File: BG019119.D
Acq: 10 Oct 2015 16:11

Tgt Ion:252 Resp: 55
Ion Ratio Lower Upper
252 100
253 0.0 17.0 25.4#
125 0.0 7.2 10.8#

