

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
 Data File : BG019118.D
 Acq On : 10 Oct 2015 15:33
 Operator : UM/NP
 Sample : PB86035BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 06:34:25 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	8.03	152	14937	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	65691	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	46037	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	129882	20.00	ng	0.00
75) Chrysene-d12	21.67	240	169592	20.00	ng	0.00
86) Perylene-d12	24.90	264	163688	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	95587	130.29	ng	0.00
7) Phenol-d6	7.19	99	142126	126.11	ng	0.00
23) Nitrobenzene-d5	9.19	82	94817	79.75	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	73230	116.73	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	233539	78.00	ng	0.00
78) Terphenyl-d14	20.02	244	500357	77.94	ng	0.00

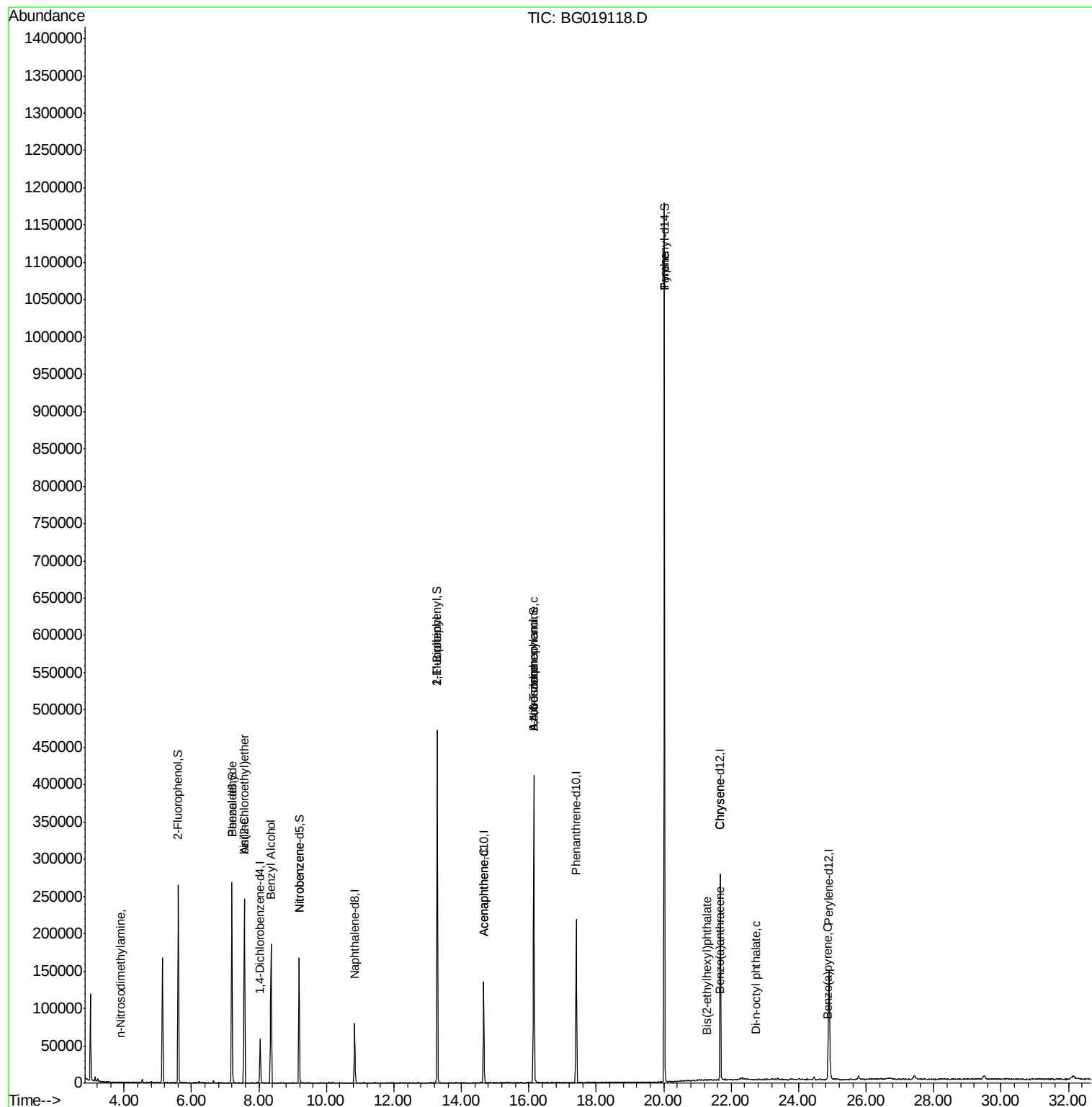
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.89	42	61	0.11	ng	# 1
6) Aniline	7.57	93	57	0.04	ng	# 1
9) Benzaldehyde	7.19	77	124	0.17	ng	# 3
11) bis(2-Chloroethyl)ether	7.57	93	57	0.06	ng	# 1
15) Benzyl Alcohol	8.36	79	1549	1.54	ng	# 64
24) Nitrobenzene	9.18	77	143	0.11	ng	# 43
45) 1,1'-Biphenyl	13.28	154	495	0.15	ng	# 1
51) Acenaphthene	14.65	154	126	0.05	ng	# 3
62) Azobenzene	16.15	77	217	0.06	ng	# 1
65) n-Nitrosodiphenylamine	16.15	169	2420	0.67	ng	# 49
77) Pyrene	20.02	202	1950	0.21	ng	# 46
80) Benzo(a)anthracene	21.65	228	61	0.01	ng	# 51
82) Chrysene	21.68	228	472	0.05	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.29	149	60	0.01	ng	# 52
84) Di-n-octyl phthalate	22.73	149	59	0.01	ng	# 71
89) Benzo(a)pyrene	24.86	252	55	0.01	ng	# 61

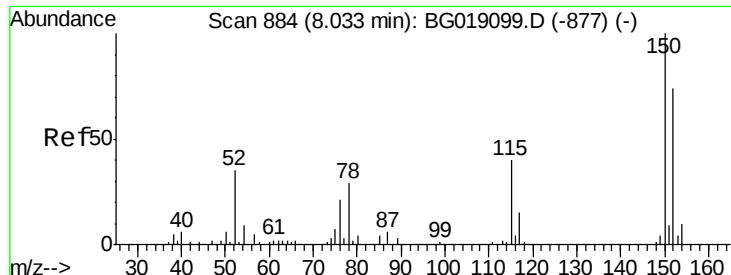
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 884

Delta R.T. -0.01 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

Instrument :

BNA_G

ClientSampleId :

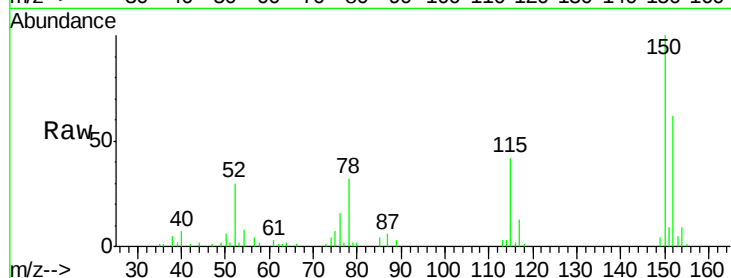
Tot Ion:152 Resp: 14937

Ion Ratio Lower Upper

152 100

150 160.2 108.2 162.2

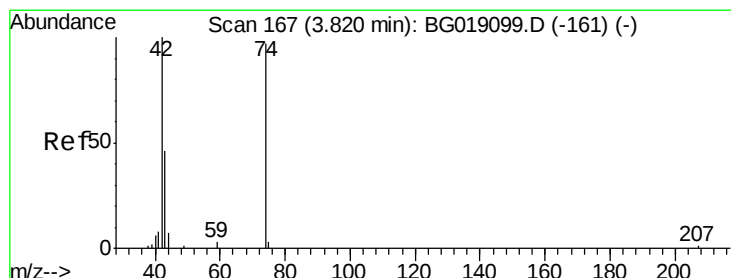
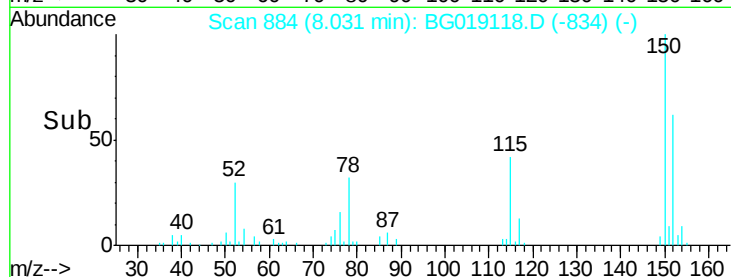
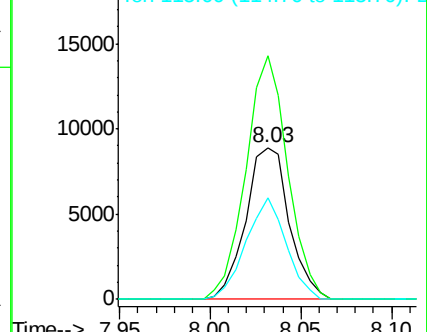
115 66.6 43.2 64.8#



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



#4

n-Nitrosodimethylamine

Concen: 0.11 ng

RT: 3.89 min Scan# 179

Delta R.T. 0.07 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

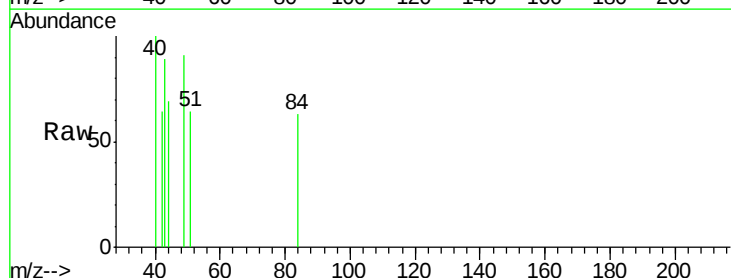
Tgt Ion: 42 Resp: 61

Ion Ratio Lower Upper

42 100

74 0.0 77.3 115.9#

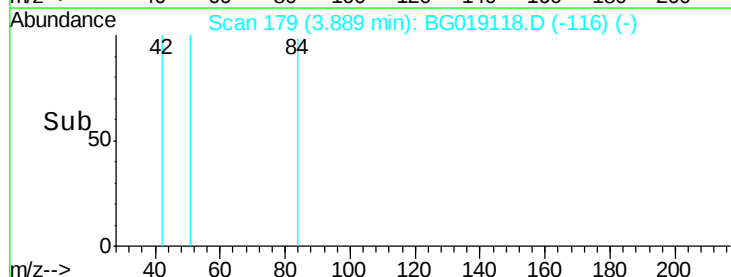
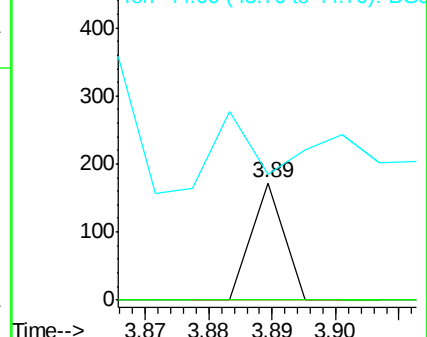
44 107.6 7.2 10.8#

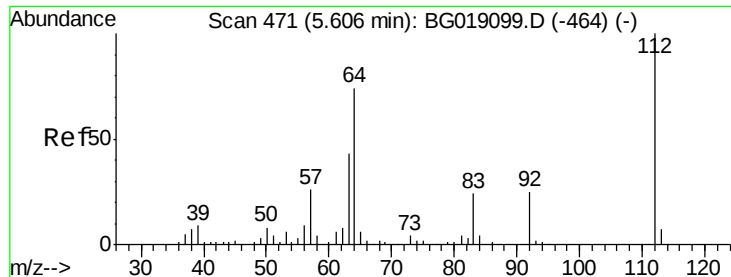


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 130.29 ng

RT: 5.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

Instrument :

BNA_G

ClientSampleId :

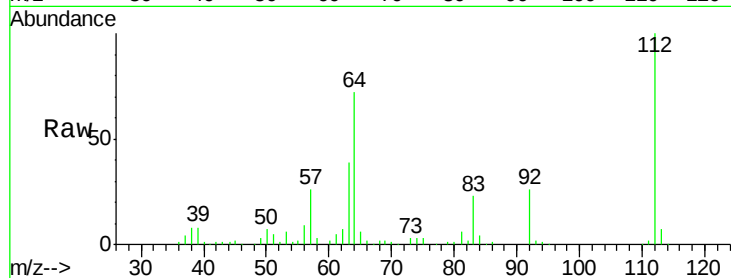
Tot Ion:112 Resp: 95587

Ion Ratio Lower Upper

112 100

64 72.4 59.0 88.4

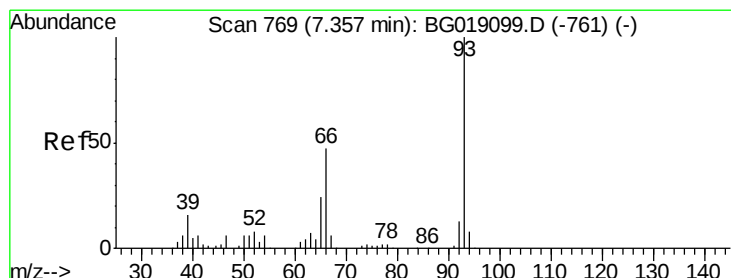
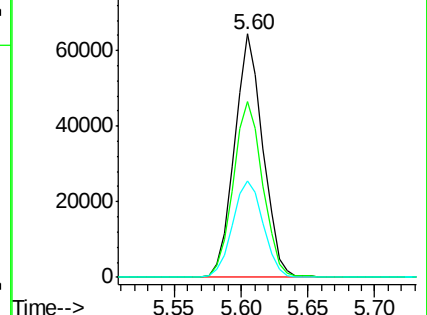
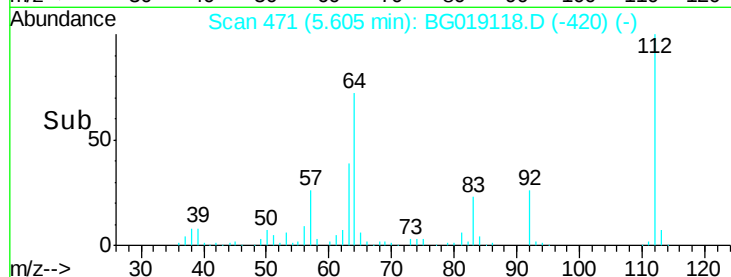
63 39.5 34.7 52.1



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: 7.57 min Scan# 805

Delta R.T. 0.21 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

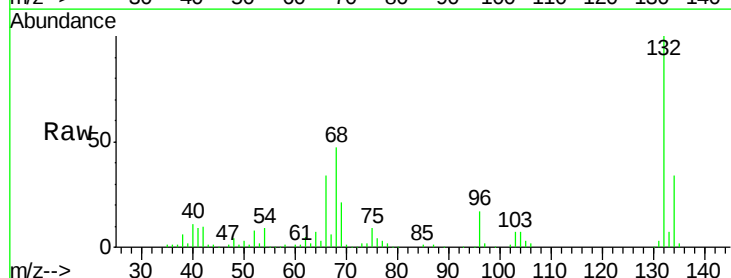
Tgt Ion: 93 Resp: 57

Ion Ratio Lower Upper

93 100

66 12715.5 37.4 56.2#

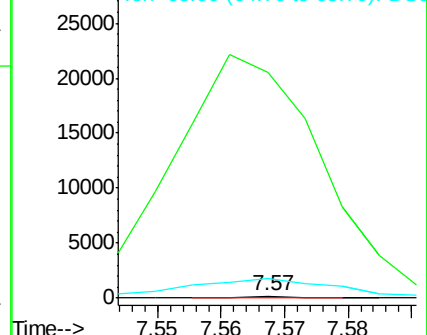
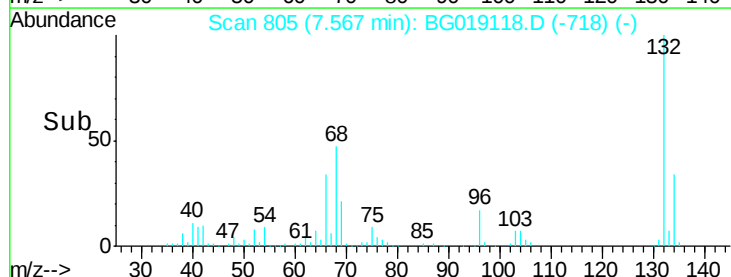
65 1116.8 19.6 29.4#

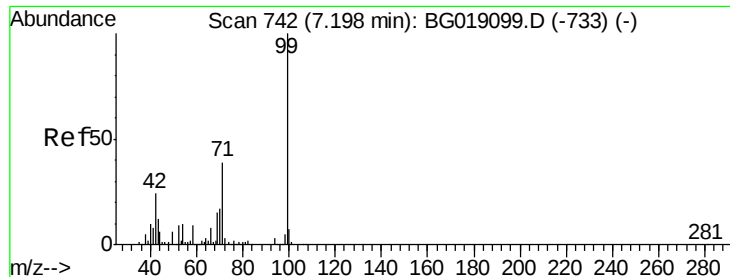


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 126.11 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.01 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

Instrument :

BNA_G

ClientSampled :

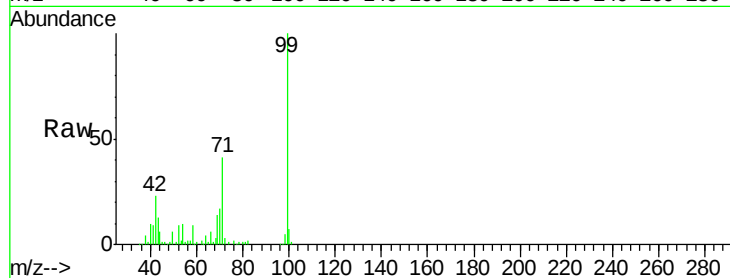
Tot Ion: 99 Resp: 142126

Ion Ratio Lower Upper

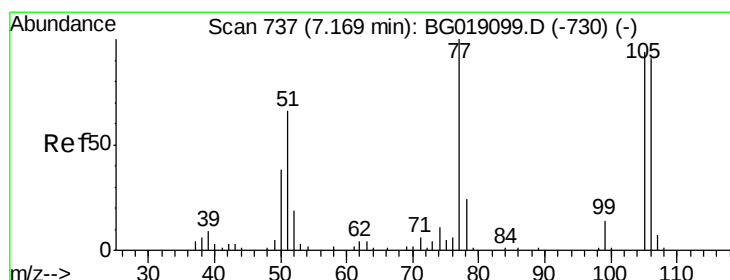
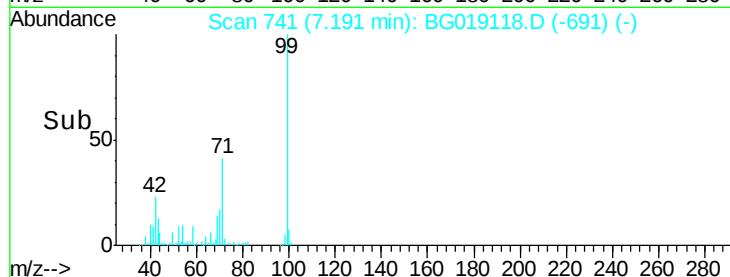
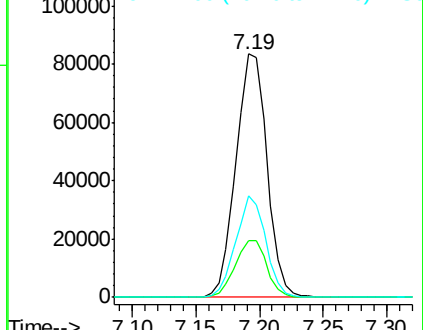
99 100

42 23.4 19.5 29.3

71 41.5 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: 0.17 ng

RT: 7.19 min Scan# 741

Delta R.T. 0.02 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

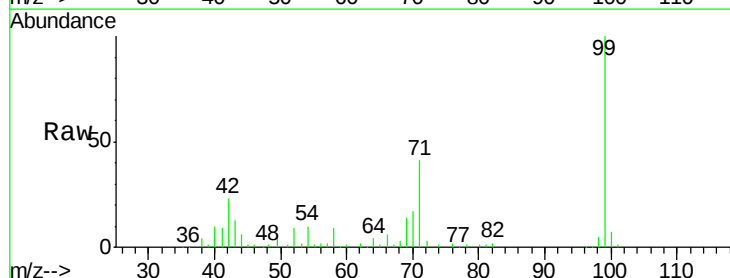
Tgt Ion: 77 Resp: 124

Ion Ratio Lower Upper

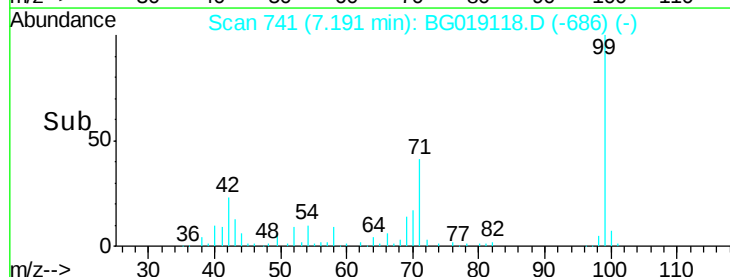
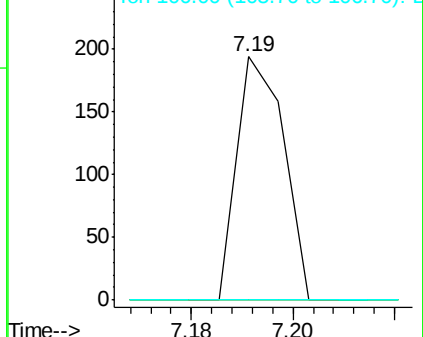
77 100

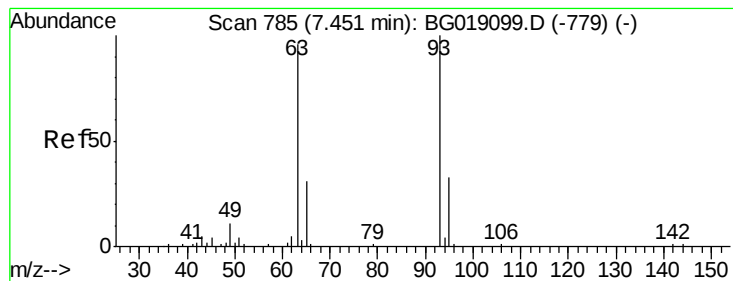
105 0.0 73.7 113.7#

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: 7.57 min Scan# 805

Delta R.T. 0.12 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

Instrument :

BNA_G

ClientSampleId :

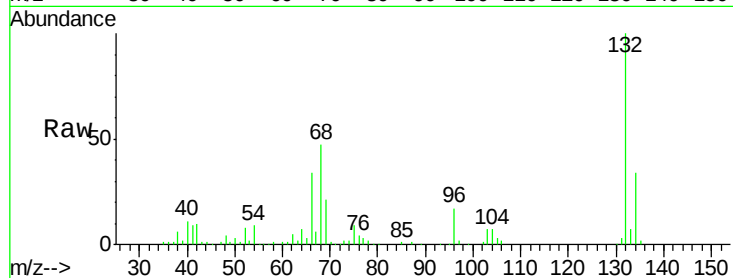
Tot Ion: 93 Resp: 57

Ion Ratio Lower Upper

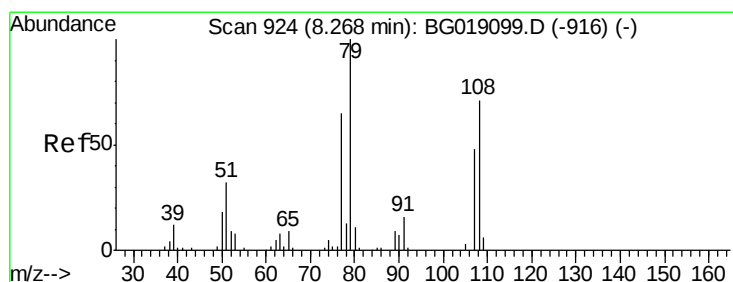
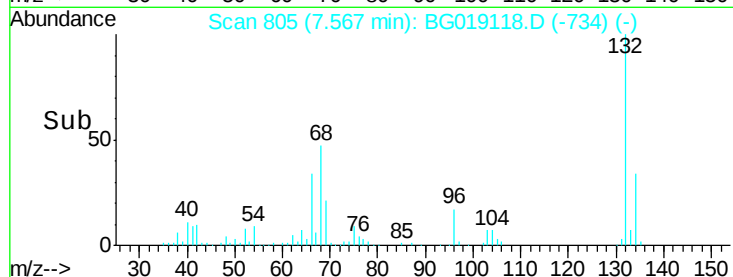
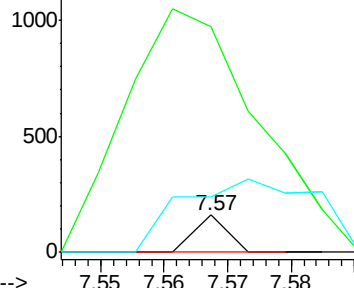
93 100

63 604.3 75.3 115.3#

95 147.8 12.9 52.9#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#15

Benzyl Alcohol

Concen: 1.54 ng

RT: 8.36 min Scan# 940

Delta R.T. 0.09 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

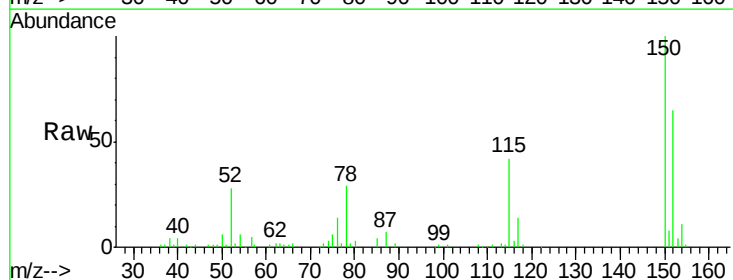
Tgt Ion: 79 Resp: 1549

Ion Ratio Lower Upper

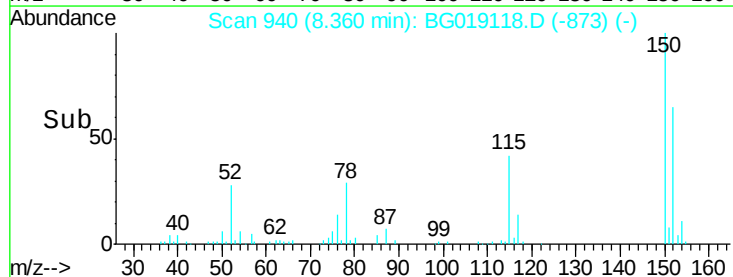
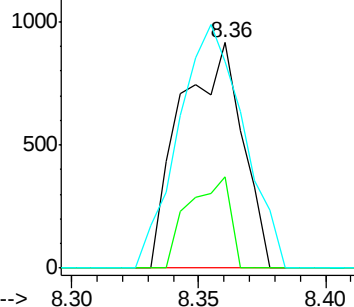
79 100

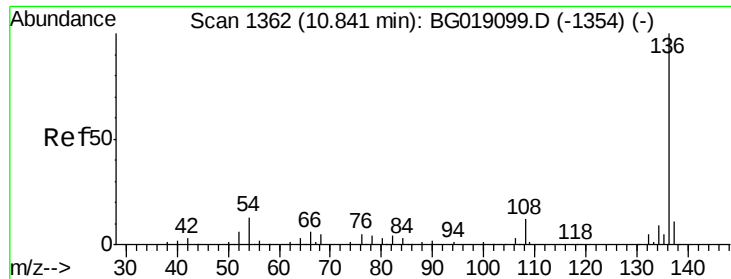
108 40.3 56.6 84.8#

77 91.8 51.6 77.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

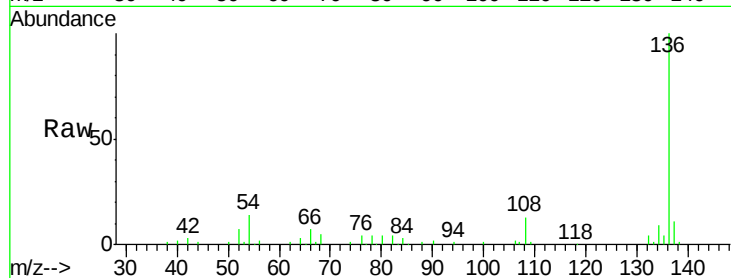




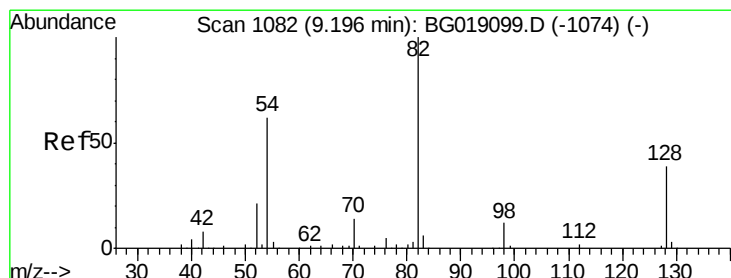
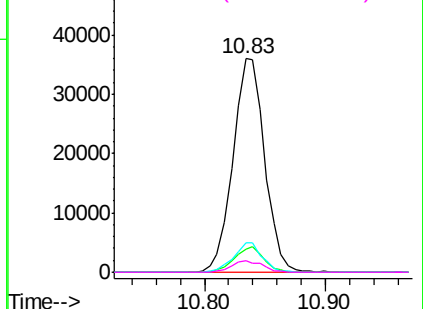
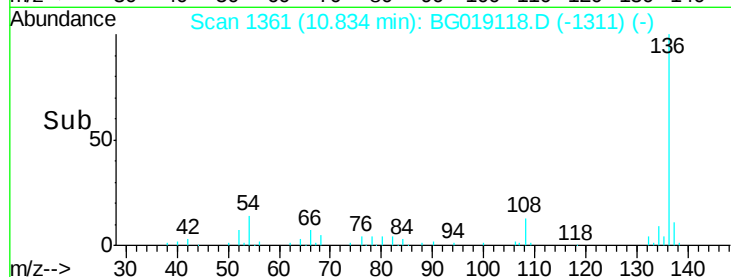
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.83 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BG019118.D
Acq: 10 Oct 2015 15:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	65691
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.0 13.4
54	14.0	10.1 15.1
68	5.5	4.4 6.6

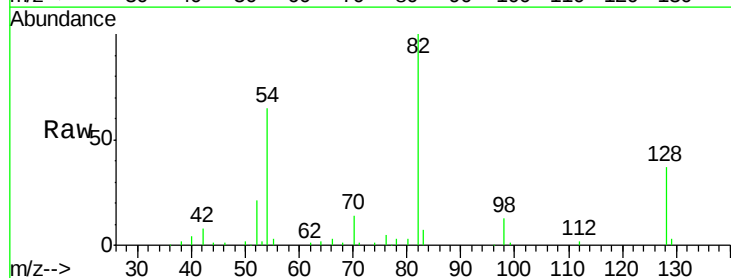


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

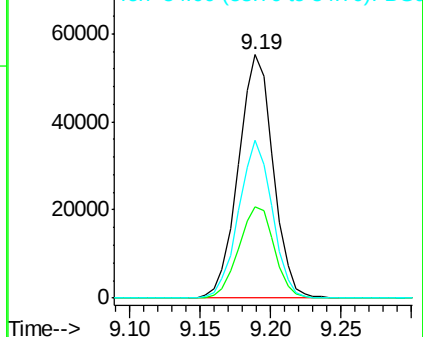
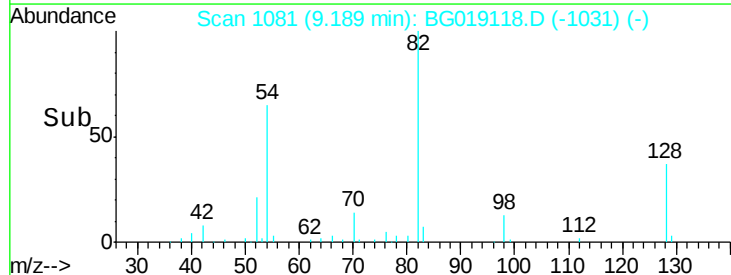


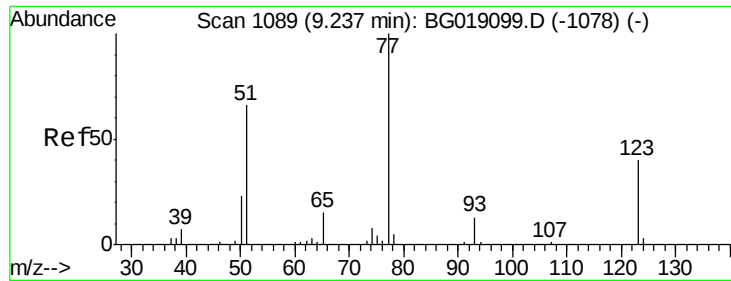
#23
Nitrobenzene-d5
Concen: 79.75 ng
RT: 9.19 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BG019118.D
Acq: 10 Oct 2015 15:33

Tgt Ion: 82	Resp:	94817
Ion Ratio	Lower	Upper
82	100	
128	37.3	31.4 47.2
54	65.0	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

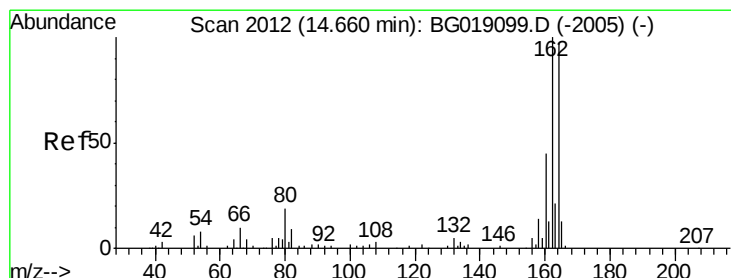
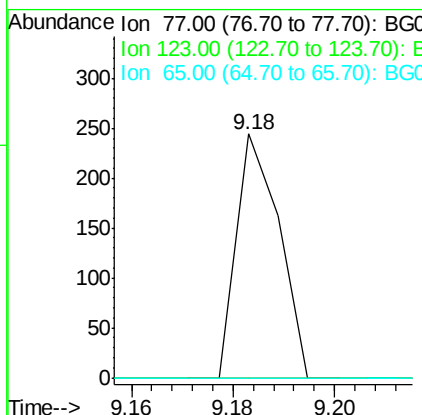
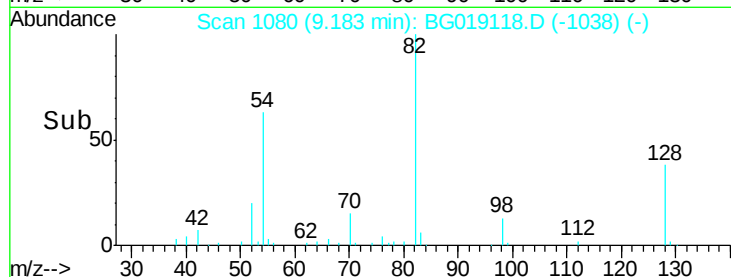
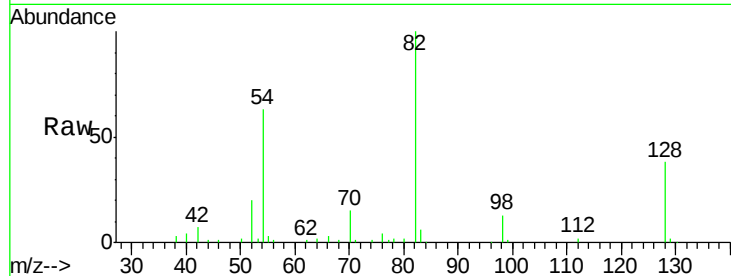




#24
 Nitrobenzene
 Concen: 0.11 ng
 RT: 9.18 min Scan# 1080
 Delta R.T. -0.05 min
 Lab File: BG019118.D
 Acq: 10 Oct 2015 15:33

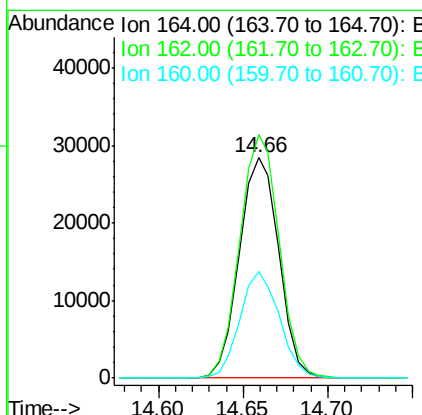
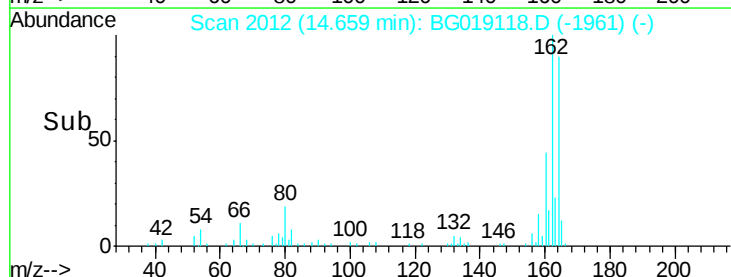
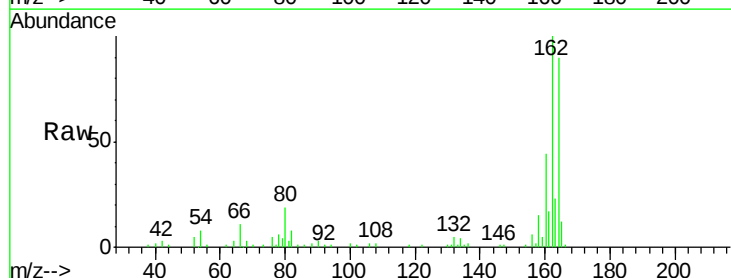
Instrument :
 BNA_G
 ClientSampleId :

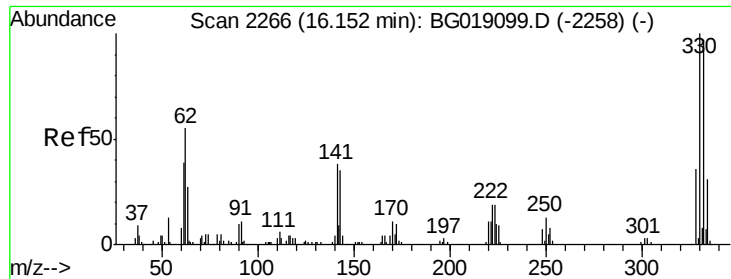
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	31.8	47.6#
65	0.0	11.8	17.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.66 min Scan# 2012
 Delta R.T. 0.00 min
 Lab File: BG019118.D
 Acq: 10 Oct 2015 15:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.6	82.6	124.0
160	48.5	36.9	55.3

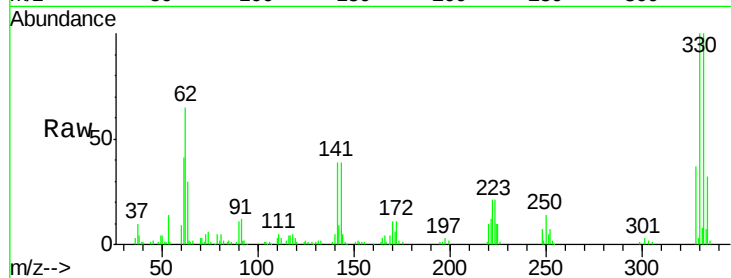




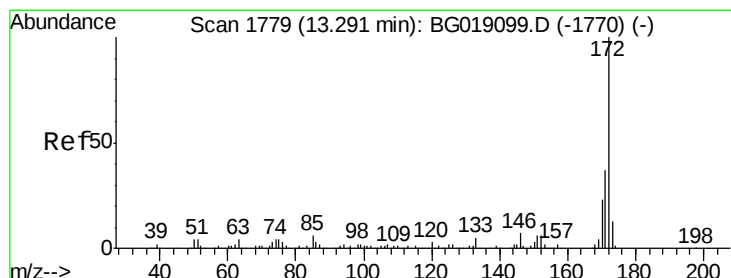
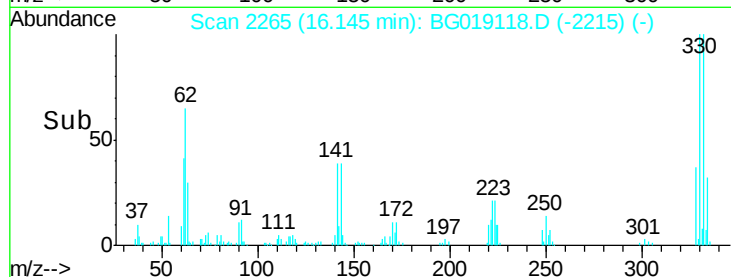
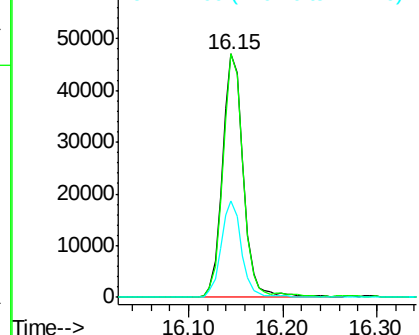
#41
 2,4,6-Tribromophenol
 Concen: 116.73 ng
 RT: 16.15 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BG019118.D
 Acq: 10 Oct 2015 15:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 73230
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.3 115.9
 141 38.8 30.7 46.1

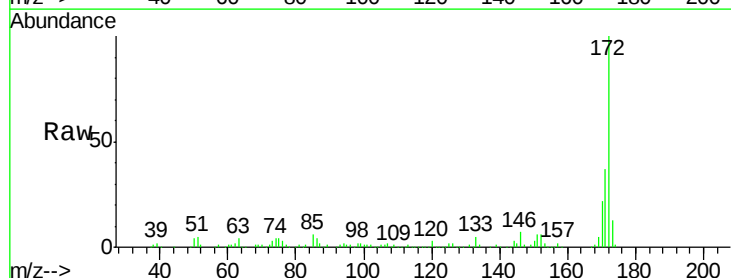


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

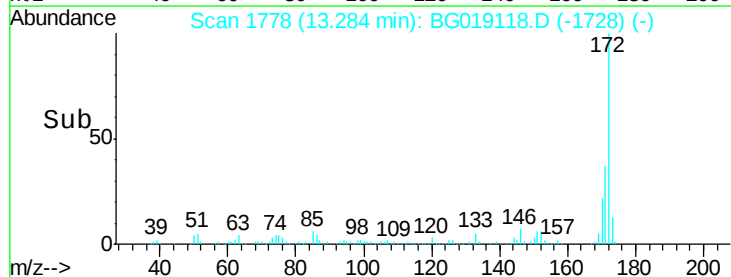
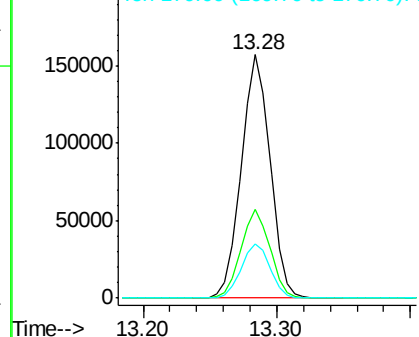


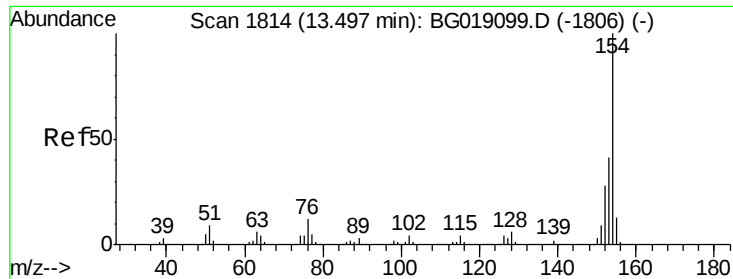
#44
 2-Fluorobiphenyl
 Concen: 78.00 ng
 RT: 13.28 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BG019118.D
 Acq: 10 Oct 2015 15:33

Tgt Ion:172 Resp: 233539
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.9 44.9
 170 22.3 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: 0.15 ng

RT: 13.28 min Scan# 1778

Delta R.T. -0.21 min

Lab File: BG019118.D

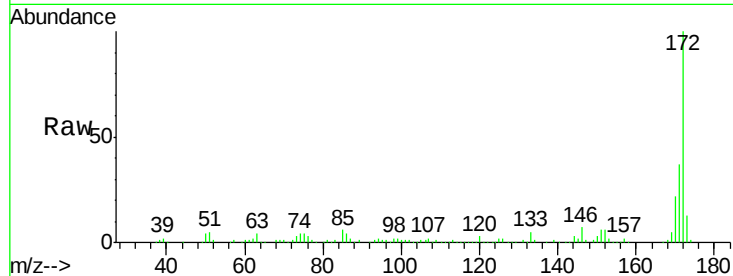
Acq: 10 Oct 2015 15:33

Instrument :

BNA_G

ClientSampleId :

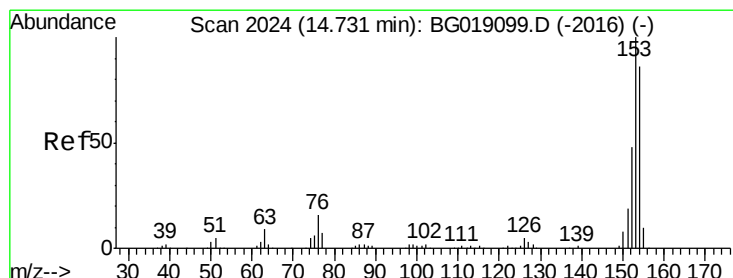
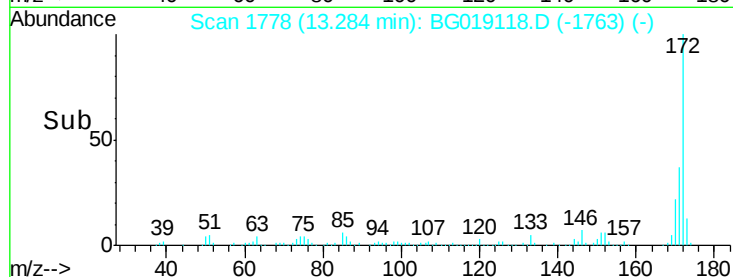
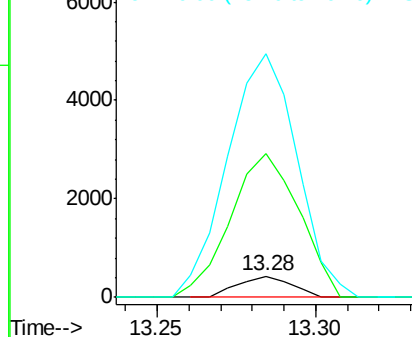
Tot Ion	Ratio	Lower	Upper
154	100		
153	683.2	20.6	60.6#
76	1152.7	0.0	32.2#



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): BGC



#51

Acenaphthene

Concen: 0.05 ng

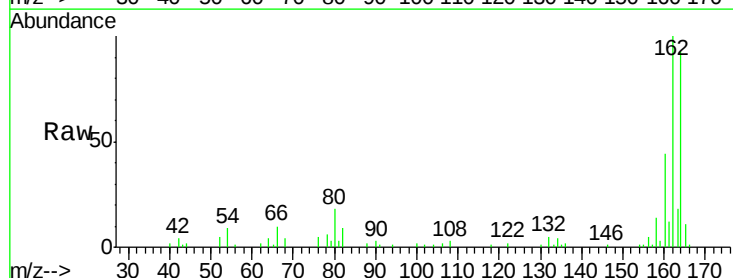
RT: 14.65 min Scan# 2011

Delta R.T. -0.08 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

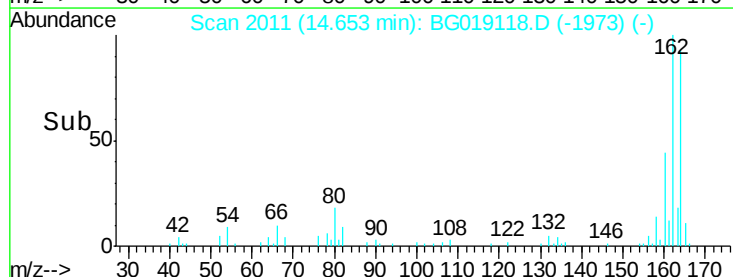
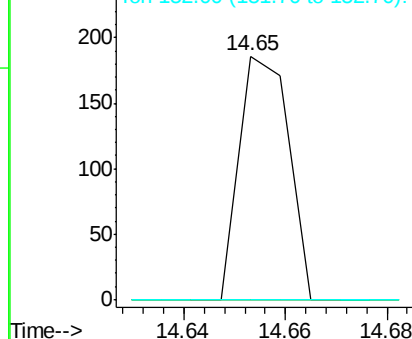
Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	93.4	140.2#
152	0.0	44.9	67.3#

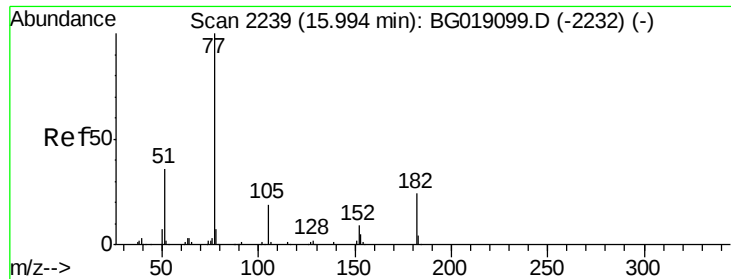


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

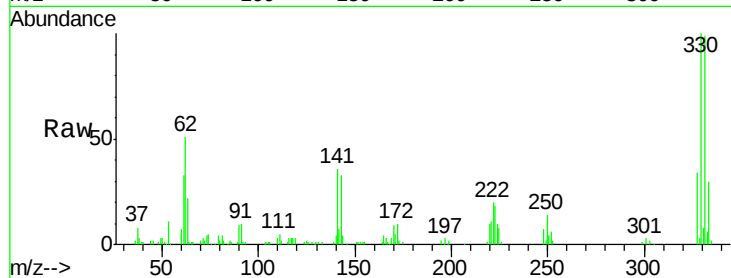




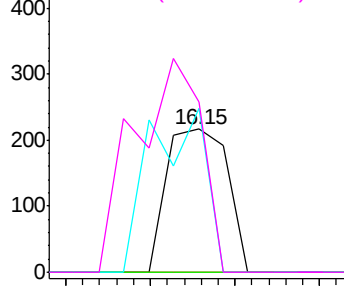
#62
Azobenzene
Concen: 0.06 ng
RT: 16.15 min Scan# 2266
Delta R.T. 0.16 min
Lab File: BG019118.D
Acq: 10 Oct 2015 15:33

Instrument :
BNA_G
ClientSampleId :

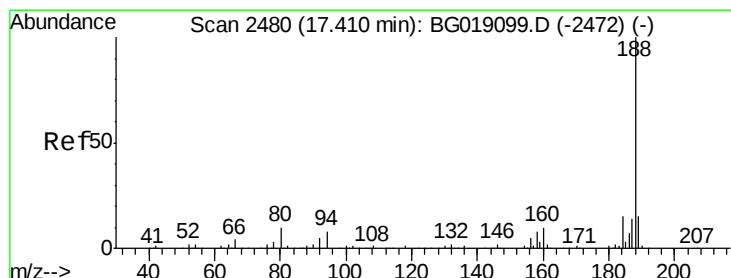
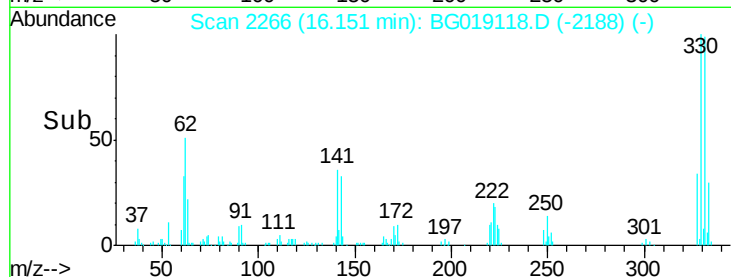
Tot Ion: 77 Resp: 217
Ion Ratio Lower Upper
77 100
182 0.0 4.4 44.4#
105 114.3 0.0 39.1#
51 118.4 15.9 55.9#



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

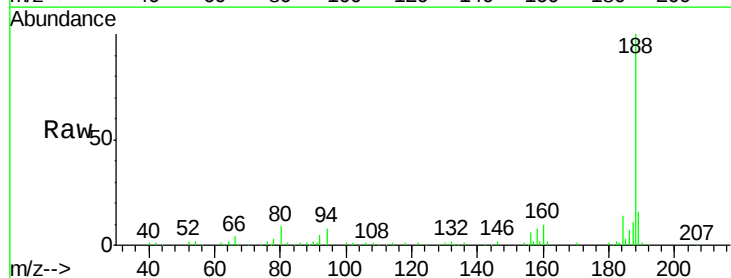


Time--> 16.12 16.14 16.16 16.18

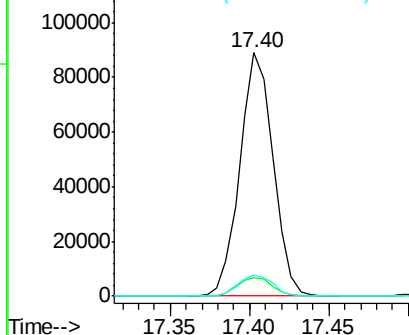


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.40 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BG019118.D
Acq: 10 Oct 2015 15:33

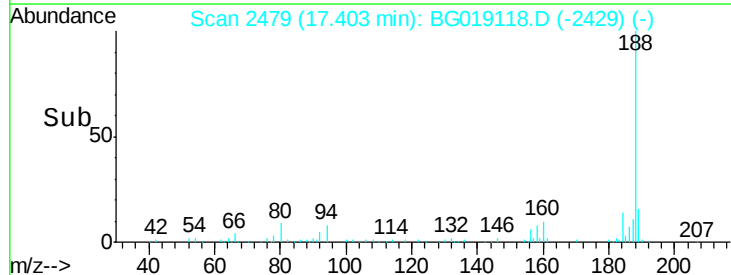
Tgt Ion: 188 Resp: 129882
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.5 7.6 11.4

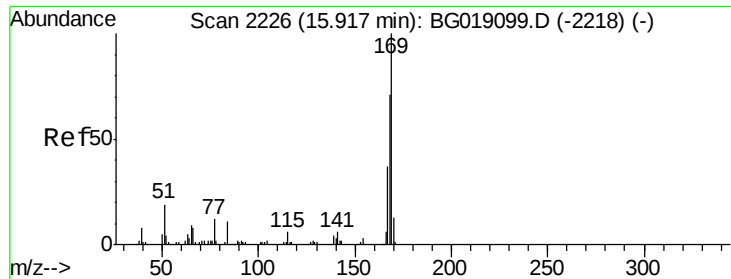


Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.35 17.40 17.45

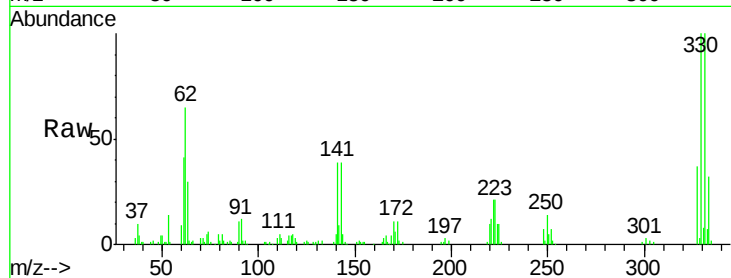




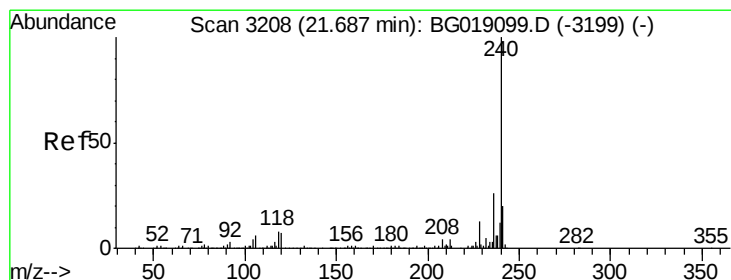
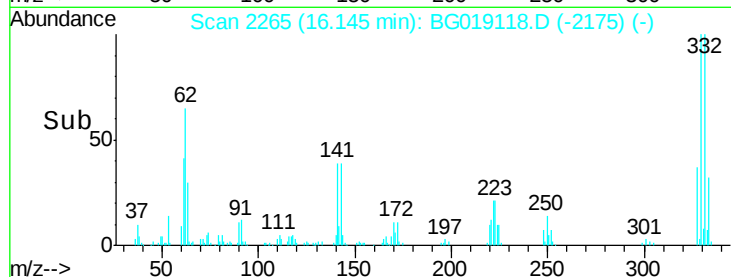
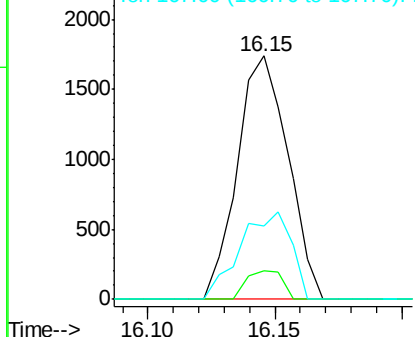
#65
n-Nitrosodiphenylamine
Concen: 0.67 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.23 min
Lab File: BG019118.D
Acq: 10 Oct 2015 15:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:169 Resp: 2420
Ion Ratio Lower Upper
169 100
168 11.8 56.6 84.8#
167 30.1 30.0 45.0

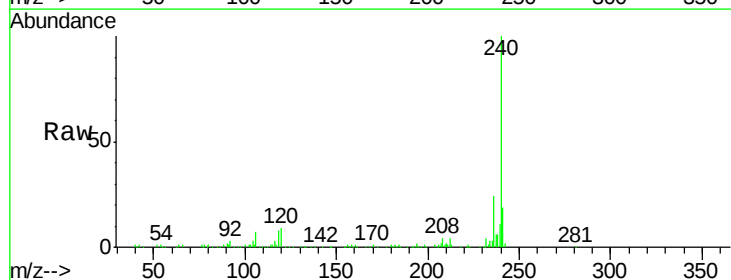


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

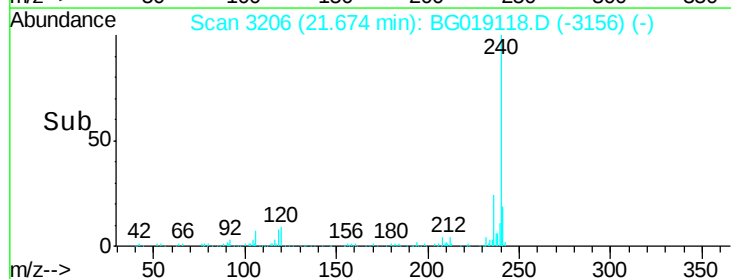
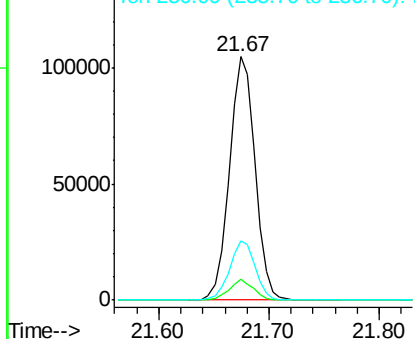


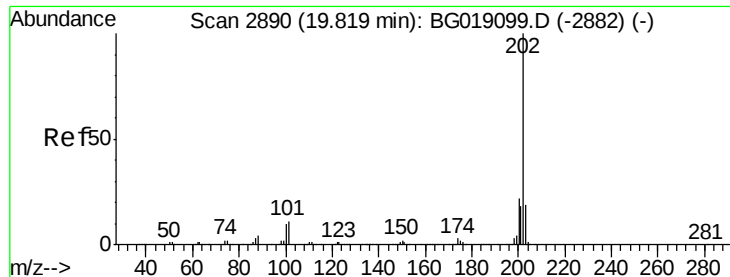
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.67 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BG019118.D
Acq: 10 Oct 2015 15:33

Tgt Ion:240 Resp: 169592
Ion Ratio Lower Upper
240 100
120 8.8 5.8 8.6#
236 24.4 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: 0.21 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.20 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

Instrument :

BNA_G

ClientSampleId :

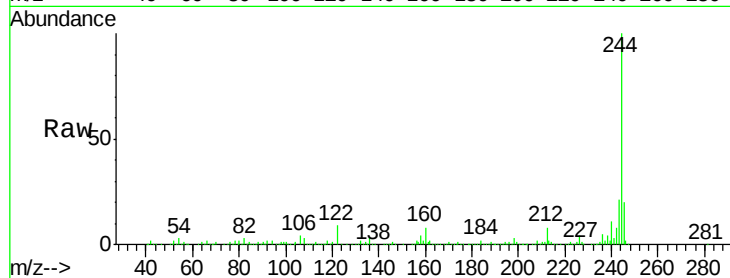
Tot Ion:202 Resp: 1950

Ion Ratio Lower Upper

202 100

200 65.5 17.4 26.2#

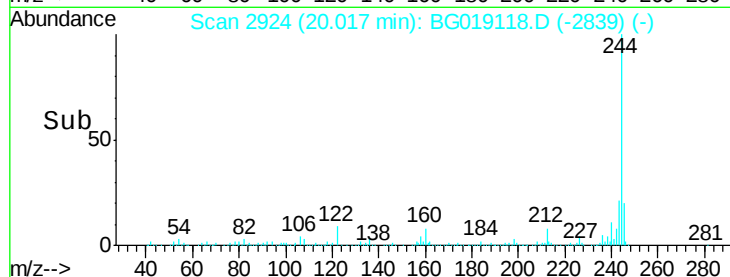
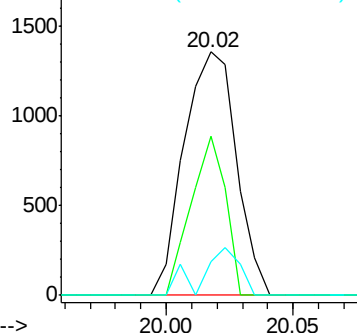
203 14.0 14.8 22.2#



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: 77.94 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BG019118.D

Acq: 10 Oct 2015 15:33

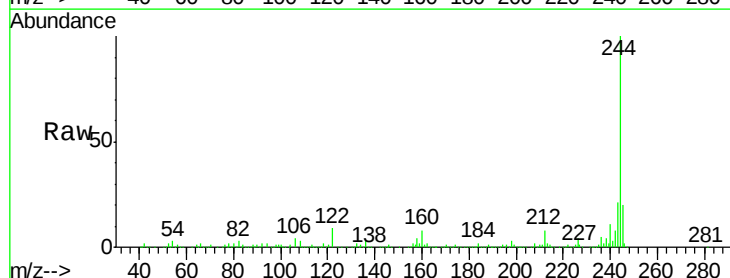
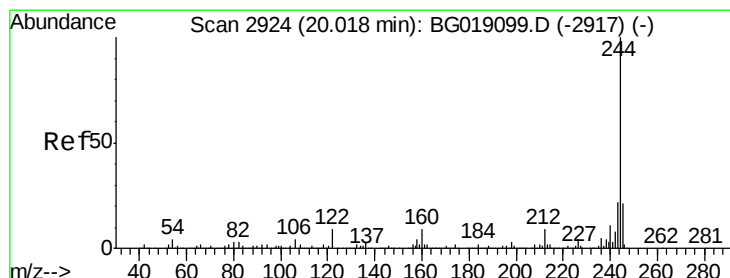
Tgt Ion:244 Resp: 500357

Ion Ratio Lower Upper

244 100

212 8.2 6.8 10.2

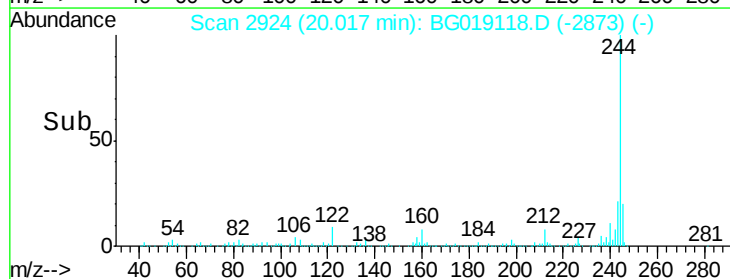
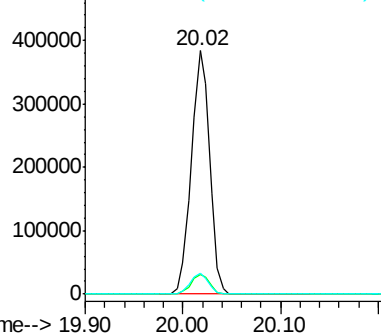
122 8.7 7.4 11.2

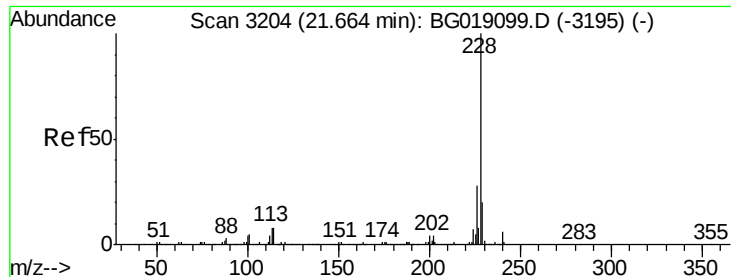


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

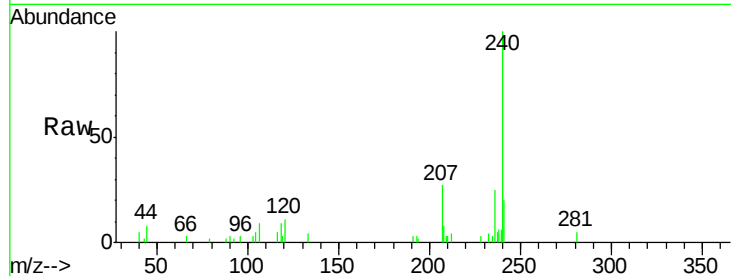




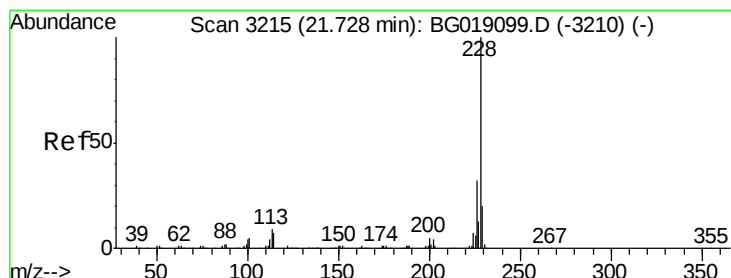
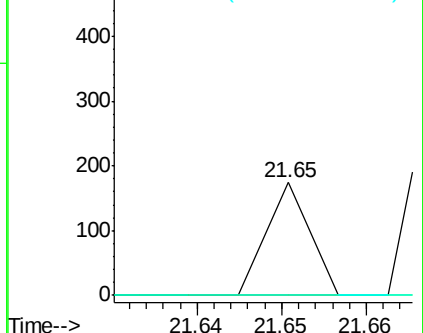
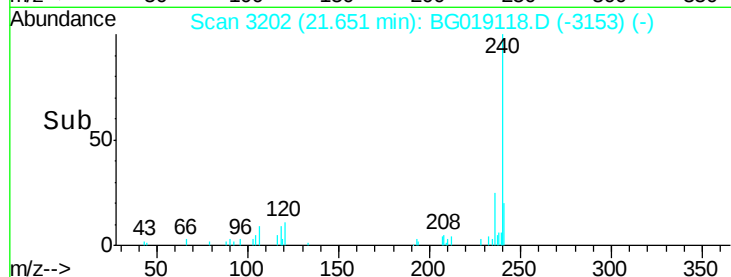
#80
Benzo(a)anthracene
Concen: 0.01 ng
RT: 21.65 min Scan# 3202
Delta R.T. -0.01 min
Lab File: BG019118.D
Acq: 10 Oct 2015 15:33

Instrument :
BNA_G
ClientSampled :

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

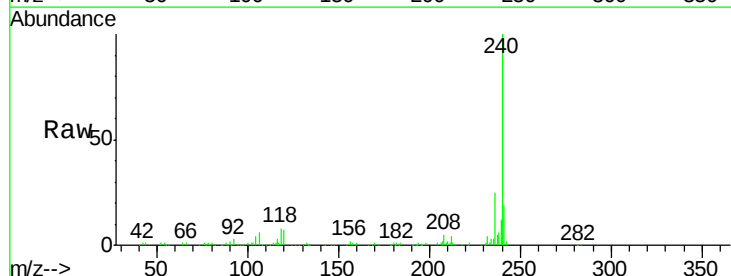


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

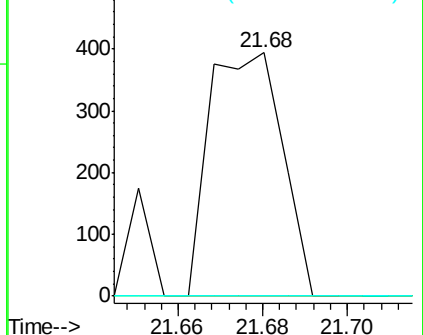
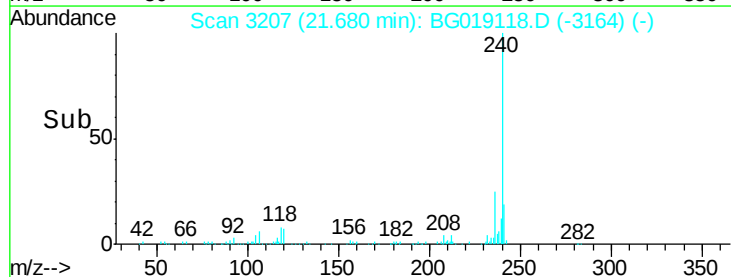


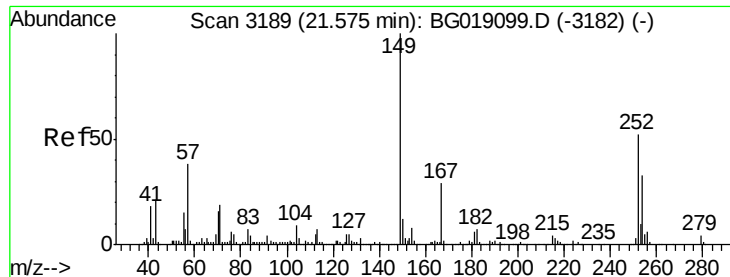
#82
Chrysene
Concen: 0.05 ng
RT: 21.68 min Scan# 3207
Delta R.T. -0.05 min
Lab File: BG019118.D
Acq: 10 Oct 2015 15:33

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



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

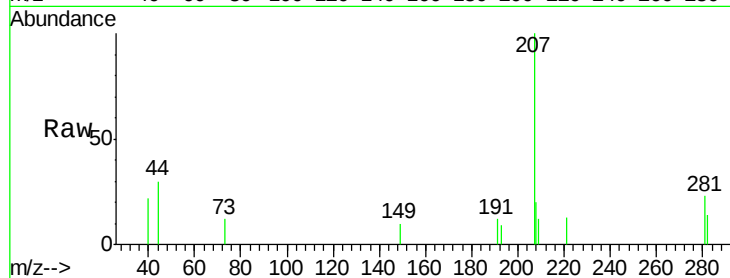




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.01 ng
 RT: 21.29 min Scan# 3140
 Delta R.T. -0.29 min
 Lab File: BG019118.D
 Acq: 10 Oct 2015 15:33

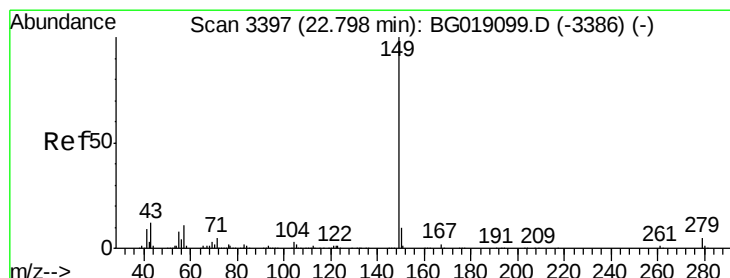
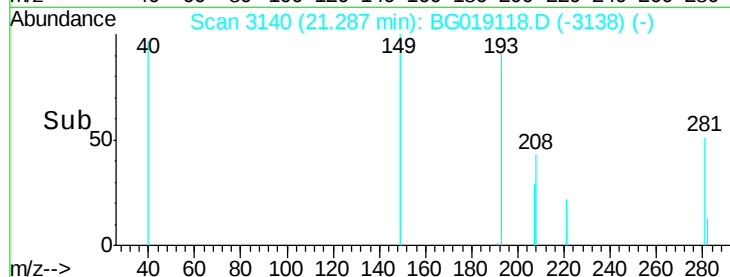
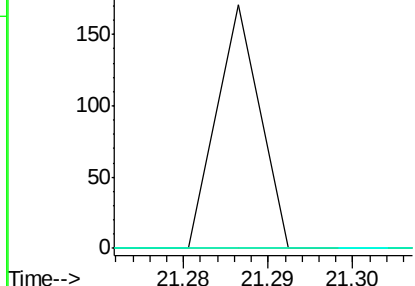
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:149 Resp: 60
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.8 34.2#
 279 0.0 3.6 5.4#



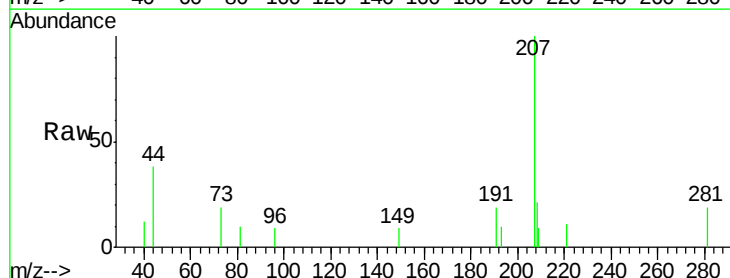
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

21.29



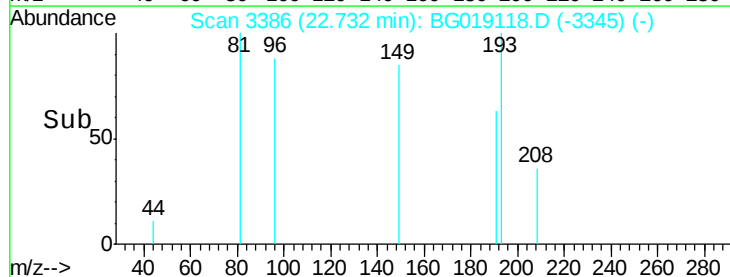
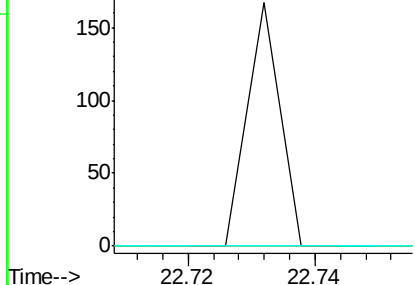
#84
 Di-n-octyl phthalate
 Concen: 0.01 ng
 RT: 22.73 min Scan# 3386
 Delta R.T. -0.06 min
 Lab File: BG019118.D
 Acq: 10 Oct 2015 15:33

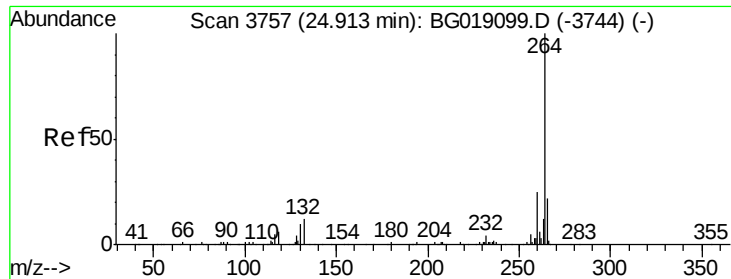
Tgt Ion:149 Resp: 59
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 0.0 10.1 15.1#



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): BGO

22.73

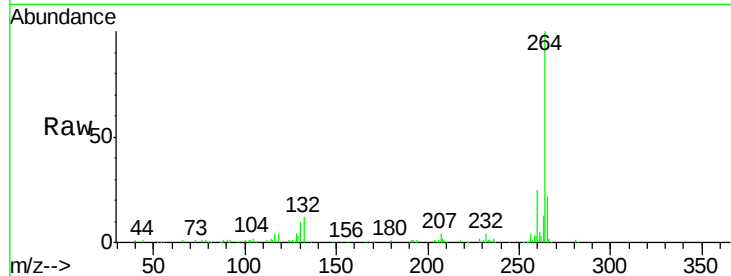




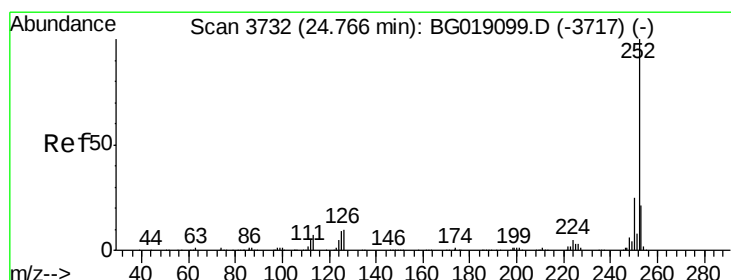
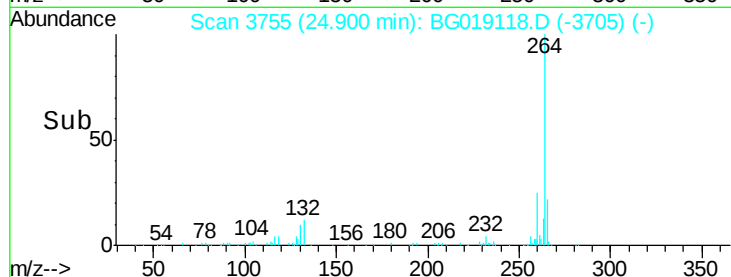
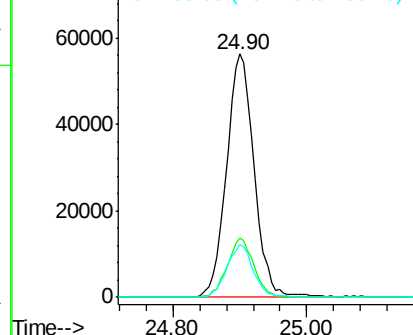
#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.90 min Scan# 3755
Delta R.T. -0.01 min
Lab File: BG019118.D
Acq: 10 Oct 2015 15:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 163688
Ion Ratio Lower Upper
264 100
260 24.6 20.1 30.1
265 21.6 17.2 25.8

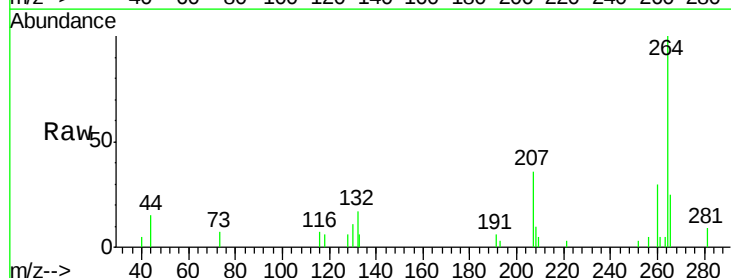


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#89
Benzo(a)pyrene
Concen: 0.01 ng
RT: 24.86 min Scan# 3748
Delta R.T. 0.11 min
Lab File: BG019118.D
Acq: 10 Oct 2015 15:33

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#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

