

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
 Data File : BG019110.D
 Acq On : 10 Oct 2015 10:29
 Operator : UM/NP
 Sample : PB85978BL
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB85978BL

Quant Time: Oct 12 05:04:17 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 10 07:04:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	18320	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	77698	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	54814	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	149883	20.00	ng	0.00
75) Chrysene-d12	21.67	240	193284	20.00	ng	-0.01
86) Perylene-d12	24.91	264	181580	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	118224	131.39	ng	0.00
7) Phenol-d6	7.20	99	176073	127.38	ng	0.00
23) Nitrobenzene-d5	9.19	82	117327	83.44	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	93988	125.83	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	288189	80.84	ng	0.00
78) Terphenyl-d14	20.02	244	598699	81.82	ng	0.00

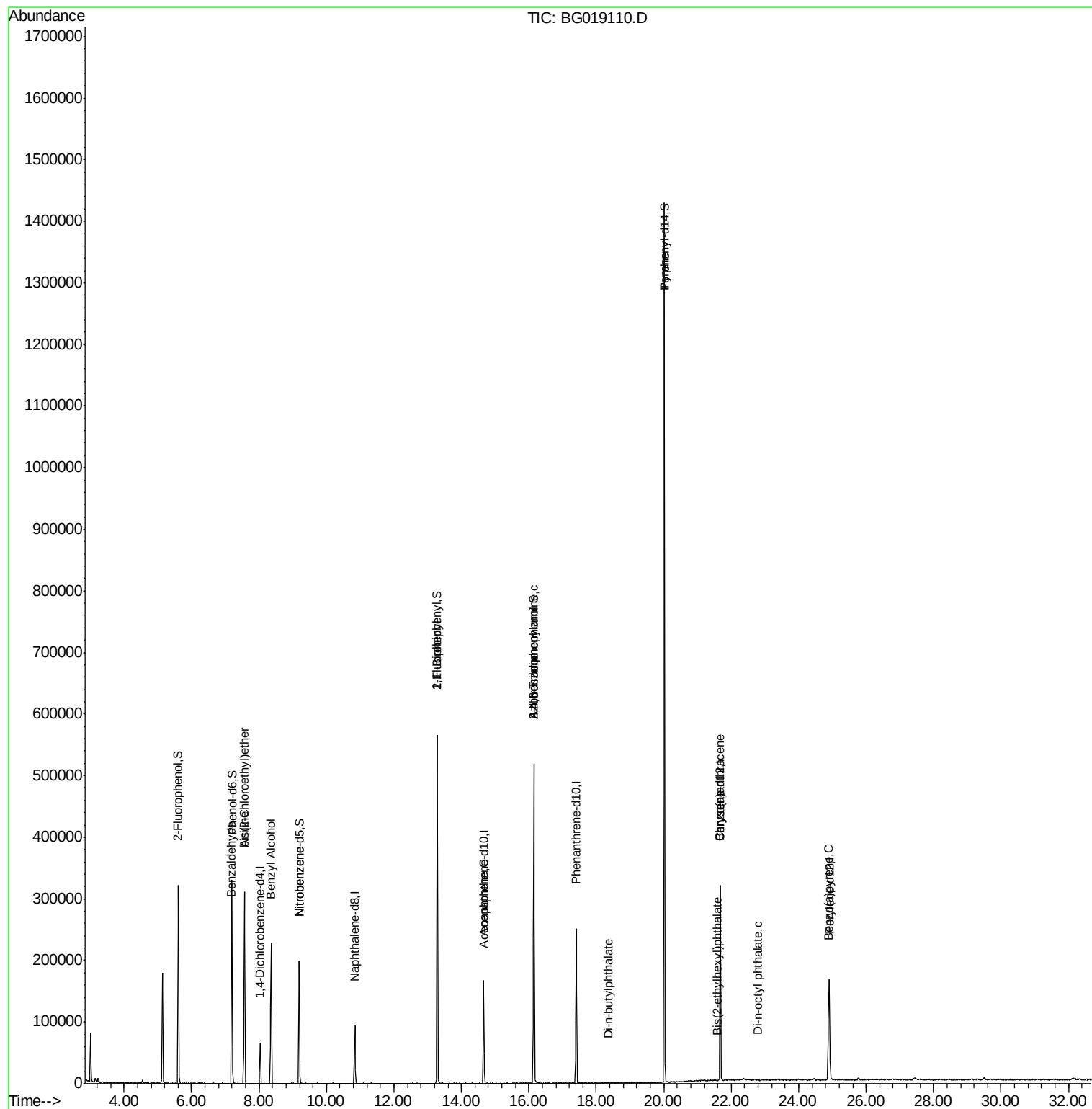
Target Compounds						Qvalue
6) Aniline	7.57	93	120	0.06	ng	# 1
9) Benzaldehyde	7.18	77	256	0.29	ng	# 3
11) bis(2-Chloroethyl)ether	7.57	93	120	0.11	ng	# 1
15) Benzyl Alcohol	8.36	79	1875	1.52	ng	# 49
24) Nitrobenzene	9.19	77	254	0.17	ng	# 43
45) 1,1'-Biphenyl	13.28	154	548	0.14	ng	# 1
51) Acenaphthene	14.67	154	54	0.02	ng	# 3
62) Azobenzene	16.15	77	321	0.08	ng	# 15
65) n-Nitrosodiphenylamine	16.15	169	3221	0.78	ng	# 50
73) Di-n-butylphthalate	18.37	149	131	0.01	ng	# 77
77) Pyrene	20.02	202	2313	0.21	ng	# 48
80) Benzo(a)anthracene	21.68	228	567	0.05	ng	# 57
82) Chrysene	21.68	228	567	0.06	ng	# 55
83) Bis(2-ethylhexyl)phthalate	21.58	149	117	0.02	ng	# 52
84) Di-n-octyl phthalate	22.78	149	54	0.01	ng	# 1
89) Benzo(a)pyrene	24.89	252	462	0.05	ng	# 61

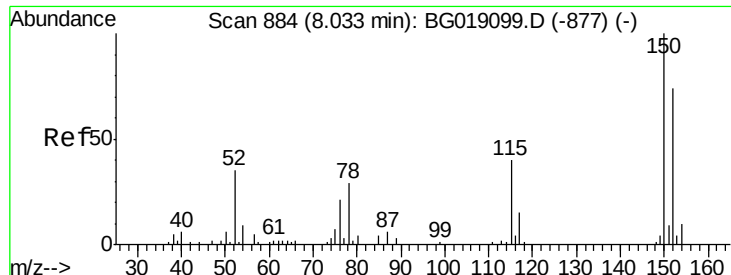
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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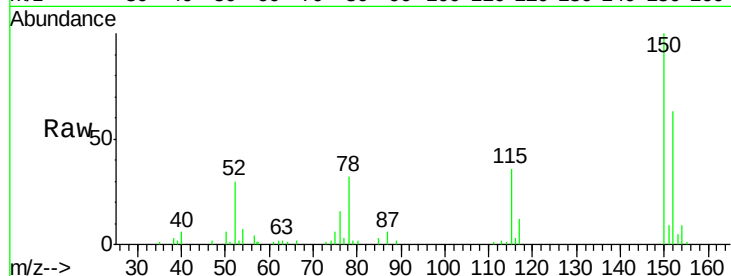


#1

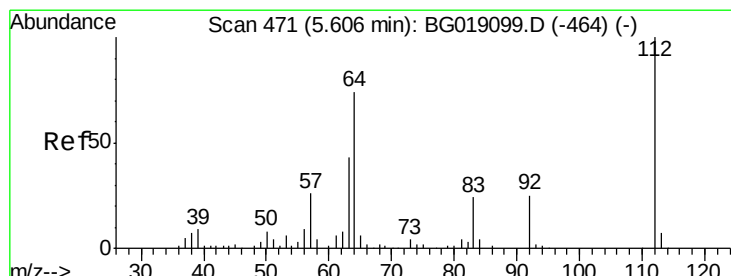
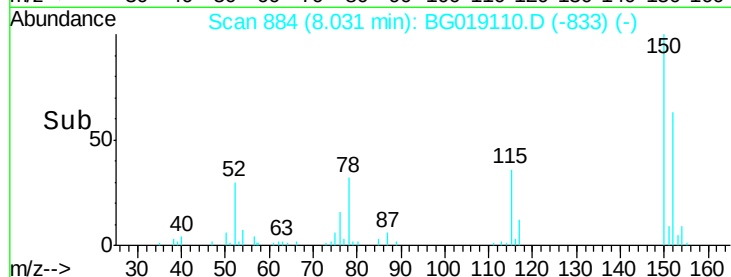
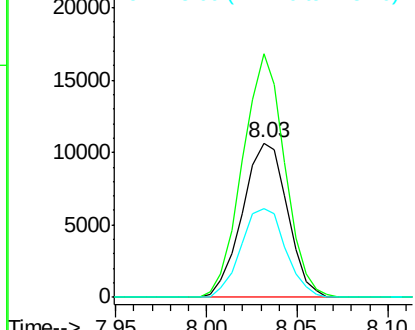
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 884
Delta R.T. -0.00 min
Lab File: BG019110.D
Acq: 10 Oct 2015 10:29

Instrument :
BNA_G
ClientSampleId :
PB85978BL

Tot Ion:152 Resp: 18320
Ion Ratio Lower Upper
152 100
150 158.0 108.2 162.2
115 57.5 43.2 64.8



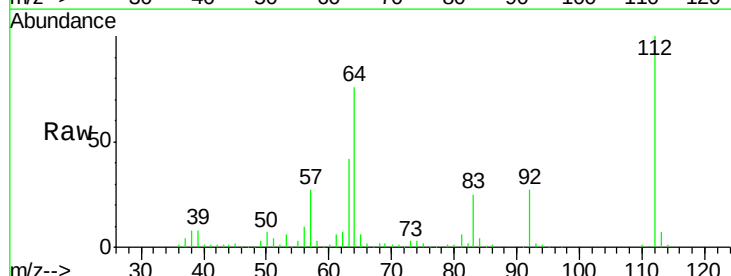
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



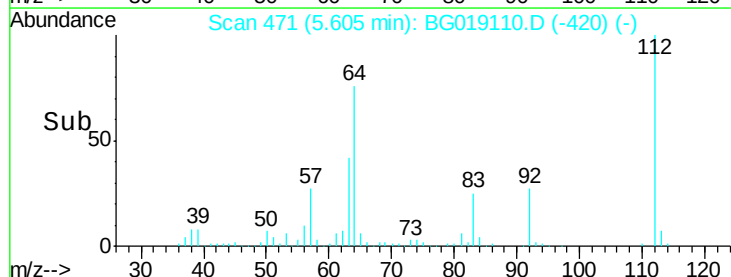
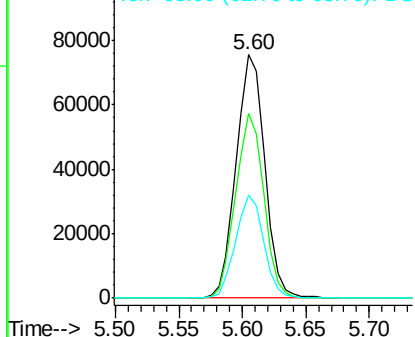
#5

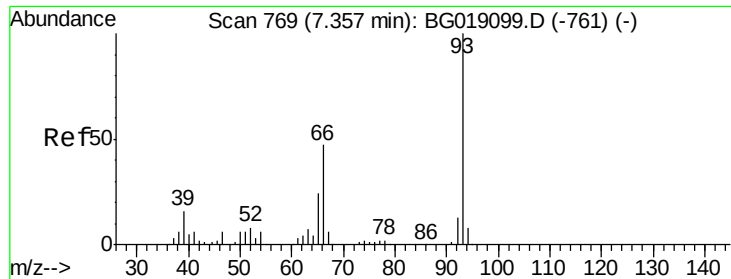
2-Fluorophenol
Concen: 131.39 ng
RT: 5.60 min Scan# 471
Delta R.T. -0.00 min
Lab File: BG019110.D
Acq: 10 Oct 2015 10:29

Tgt Ion:112 Resp: 118224
Ion Ratio Lower Upper
112 100
64 75.7 59.0 88.4
63 42.3 34.7 52.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 0.06 ng

RT: 7.57 min Scan# 806

Delta R.T. 0.22 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

Instrument :

BNA_G

ClientSampleId :

PB85978BL

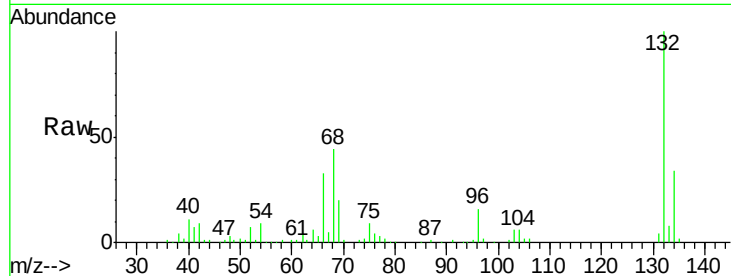
Tot Ion: 93 Resp: 120

Ion Ratio Lower Upper

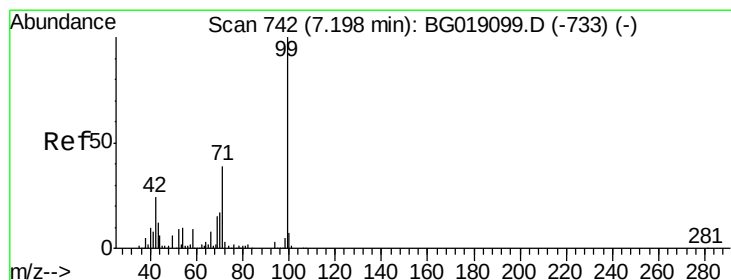
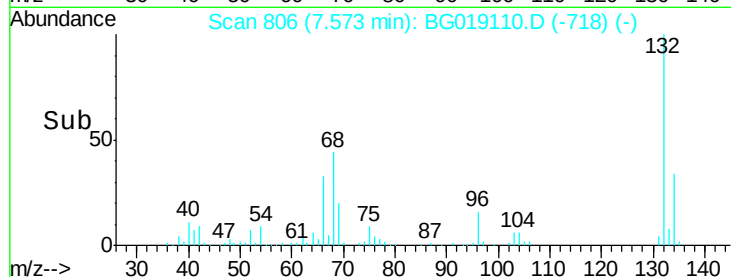
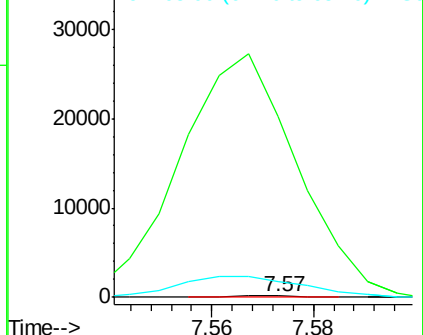
93 100

66 11338.5 37.4 56.2#

65 1013.4 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: 127.38 ng

RT: 7.20 min Scan# 742

Delta R.T. -0.00 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

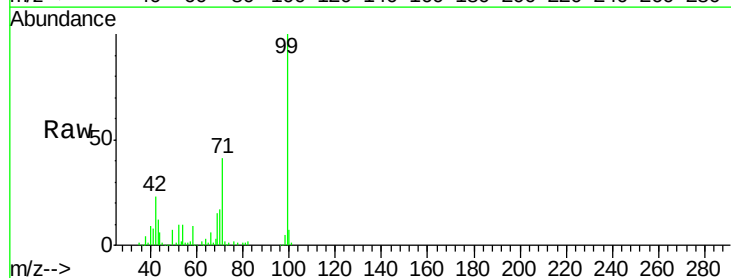
Tgt Ion: 99 Resp: 176073

Ion Ratio Lower Upper

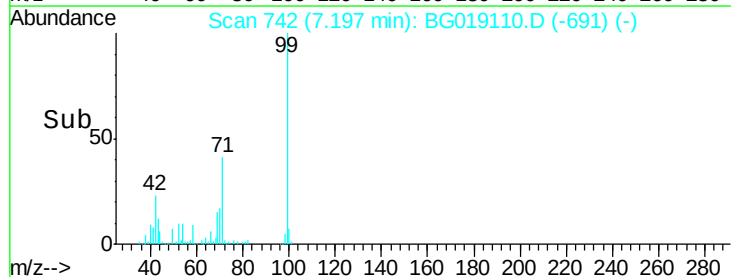
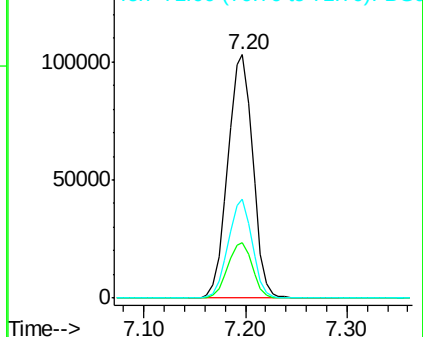
99 100

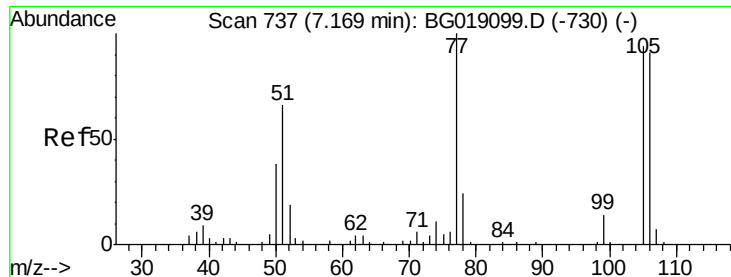
42 22.8 19.5 29.3

71 40.6 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: 0.29 ng

RT: 7.18 min Scan# 739

Delta R.T. 0.01 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

Instrument :

BNA_G

ClientSampled :

PB85978BL

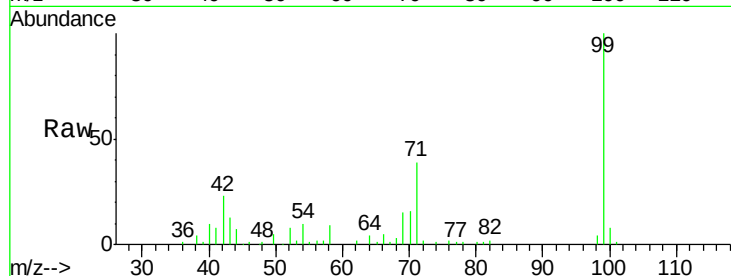
Tot Ion: 77 Resp: 256

Ion Ratio Lower Upper

77 100

105 0.0 73.7 113.7#

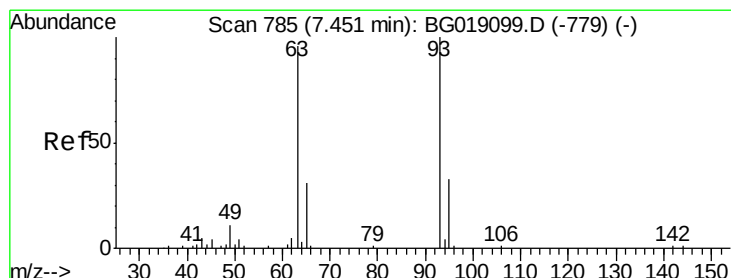
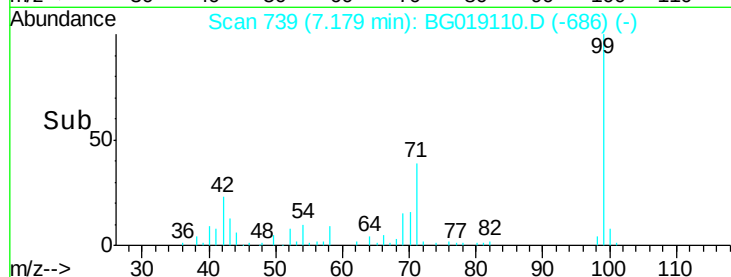
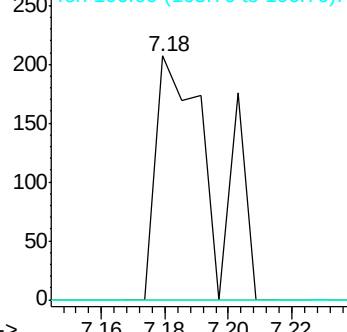
106 0.0 71.0 111.0#



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: 0.11 ng

RT: 7.57 min Scan# 806

Delta R.T. 0.12 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

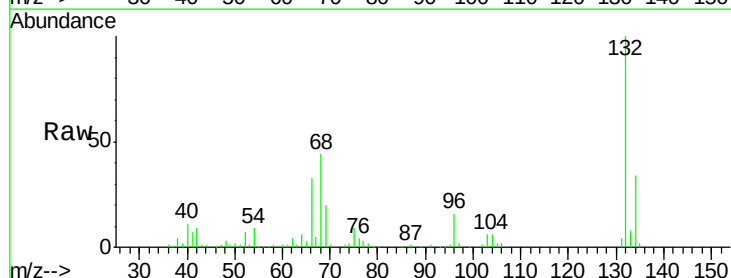
Tgt Ion: 93 Resp: 120

Ion Ratio Lower Upper

93 100

63 438.5 75.3 115.3#

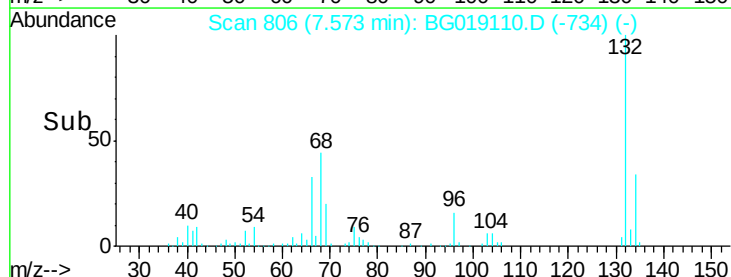
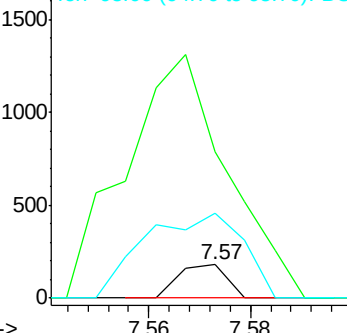
95 254.2 12.9 52.9#

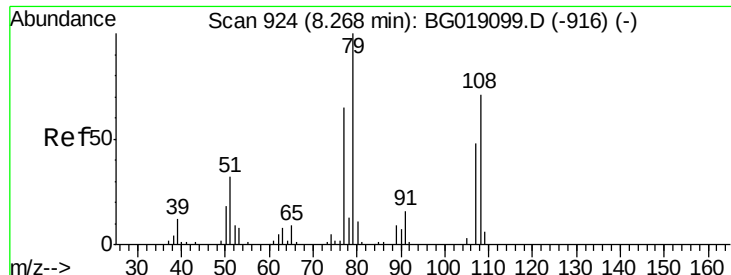


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.52 ng

RT: 8.36 min Scan# 940

Delta R.T. 0.09 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

Instrument :

BNA_G

ClientSampled :

PB85978BL

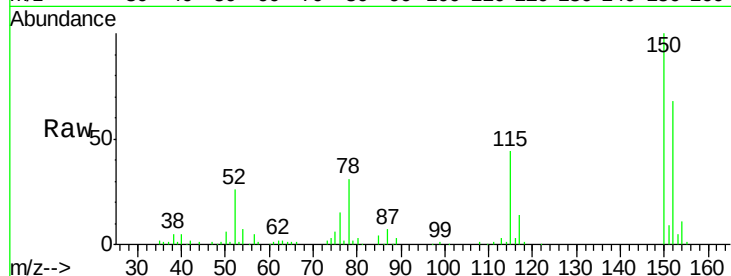
Tot Ion: 79 Resp: 1875

Ion Ratio Lower Upper

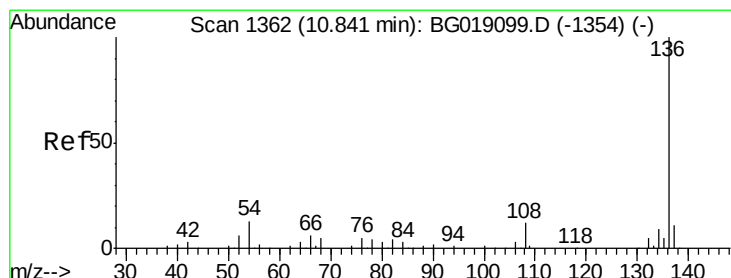
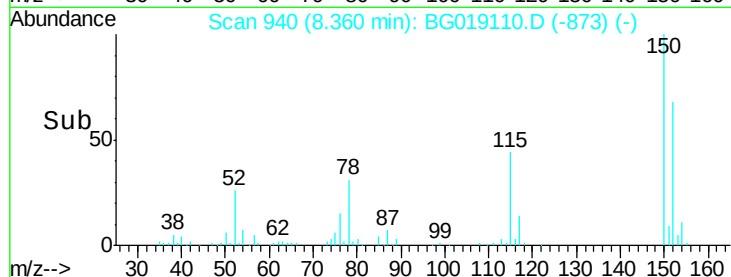
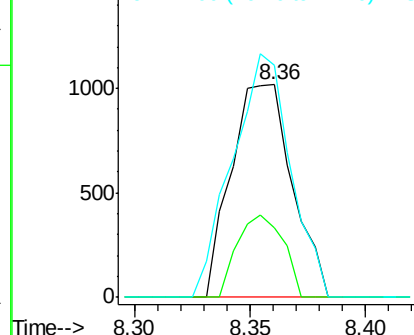
79 100

108 32.6 56.6 84.8#

77 109.3 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: 10.84 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

Tgt Ion: 136 Resp: 77698

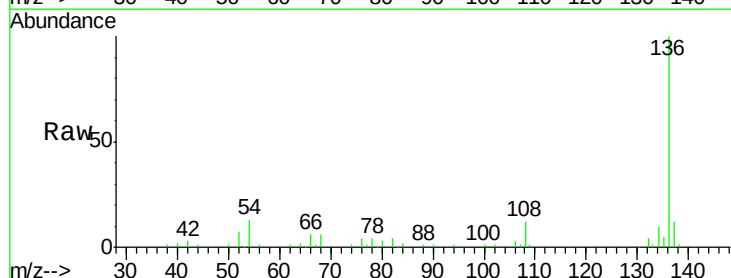
Ion Ratio Lower Upper

136 100

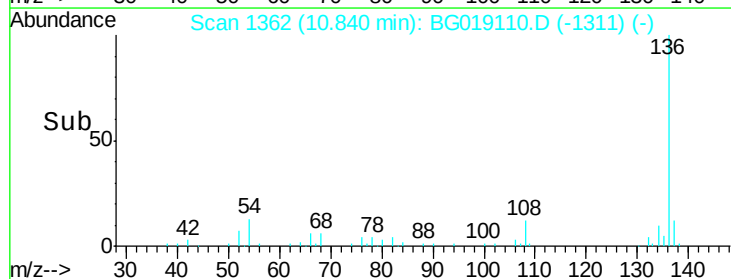
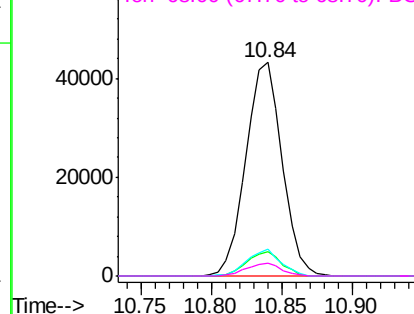
137 11.5 9.0 13.4

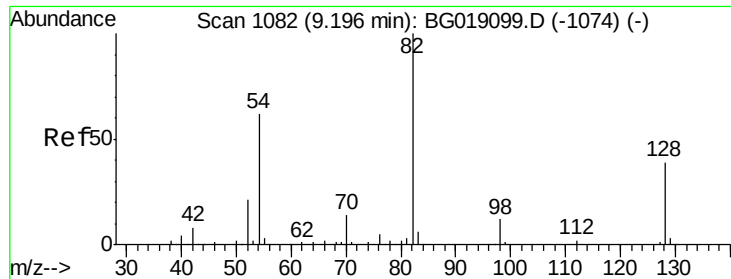
54 12.6 10.1 15.1

68 5.8 4.4 6.6



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

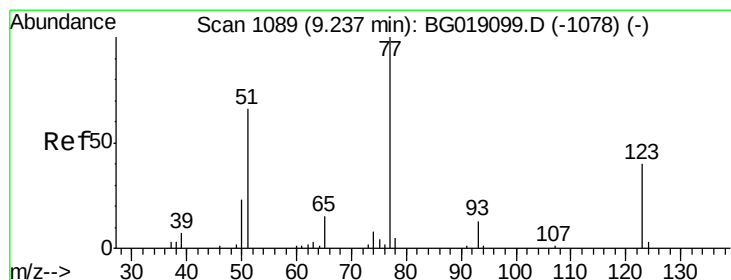
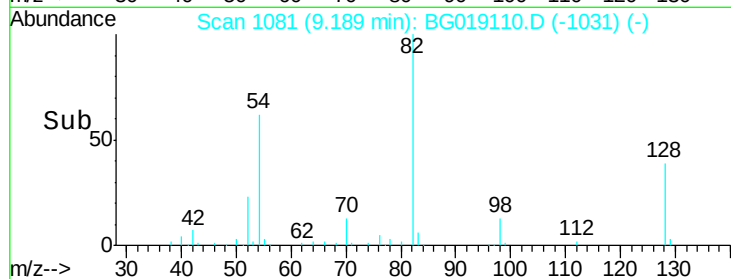
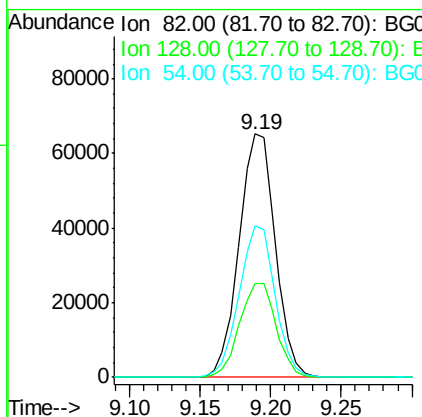
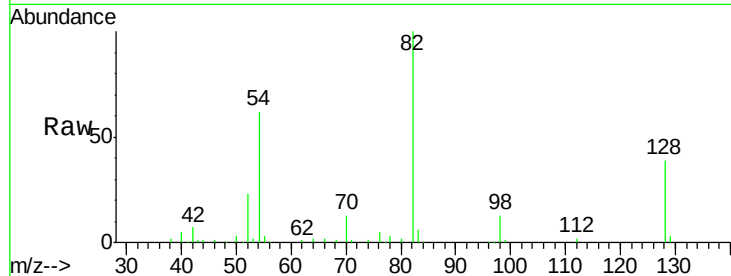




#23
 Nitrobenzene-d5
 Concen: 83.44 ng
 RT: 9.19 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: BG019110.D
 Acq: 10 Oct 2015 10:29

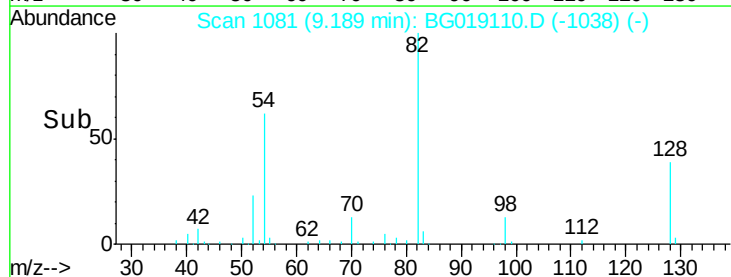
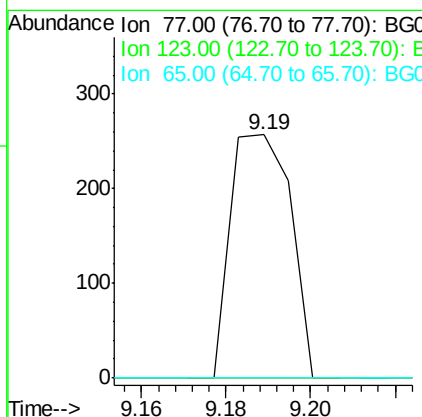
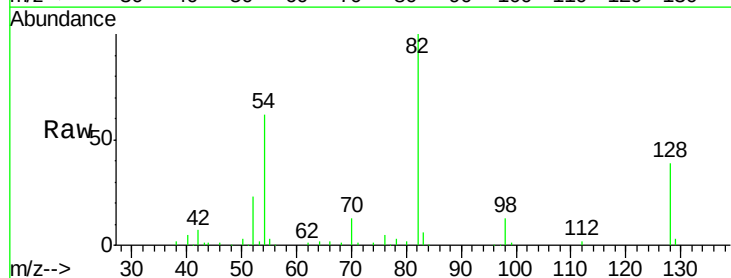
Instrument :
 BNA_G
 ClientSampleId :
 PB85978BL

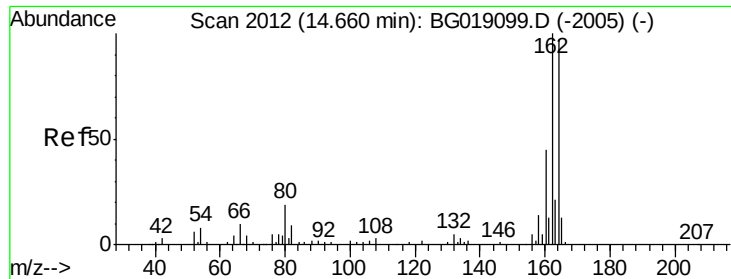
Tot Ion	82	Resp	117327
Ion Ratio	100		
Lower	31.4		
Upper	47.2		
54	62.4	50.0	75.0



#24
 Nitrobenzene
 Concen: 0.17 ng
 RT: 9.19 min Scan# 1081
 Delta R.T. -0.05 min
 Lab File: BG019110.D
 Acq: 10 Oct 2015 10:29

Tgt Ion	77	Resp	254
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>31.8</td> <td></td> <td></td>	31.8		
Upper <td>47.6#</td> <td></td> <td></td>	47.6#		
123	0.0	11.8	17.6#
65	0.0		





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.66 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

Instrument :

BNA_G

ClientSampleId :

PB85978BL

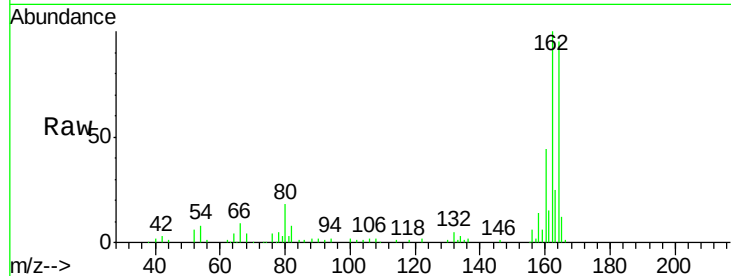
Tot Ion:164 Resp: 54814

Ion Ratio Lower Upper

164 100

162 105.5 82.6 124.0

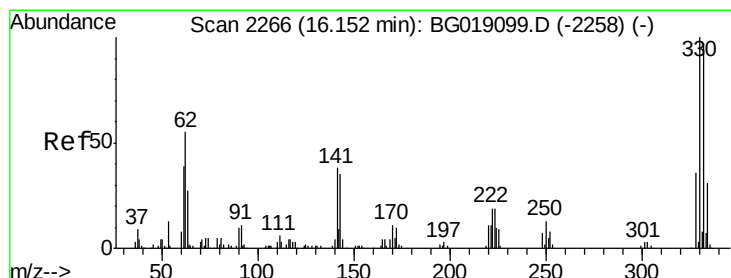
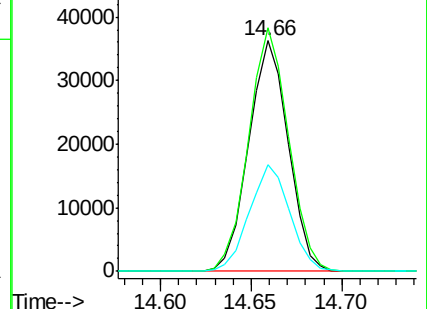
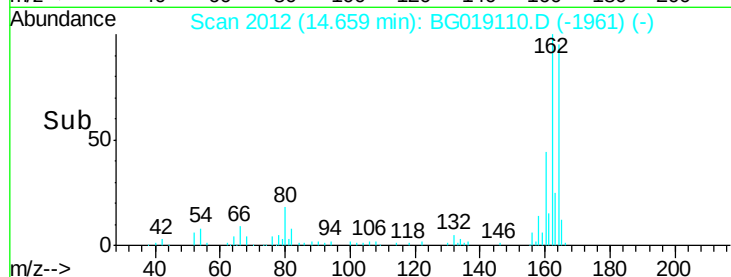
160 46.5 36.9 55.3



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: 125.83 ng

RT: 16.15 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

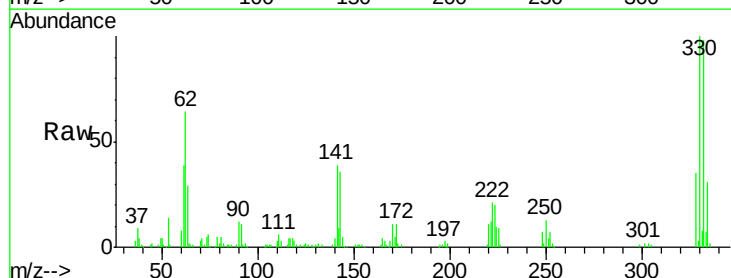
Tgt Ion:330 Resp: 93988

Ion Ratio Lower Upper

330 100

332 95.7 77.3 115.9

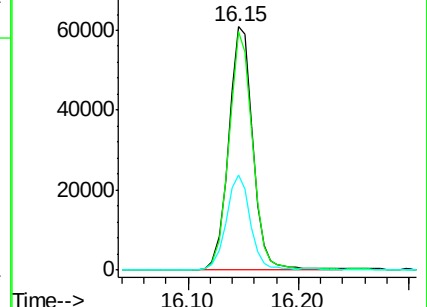
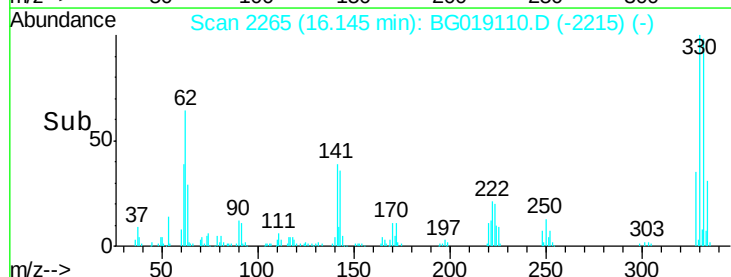
141 38.2 30.7 46.1

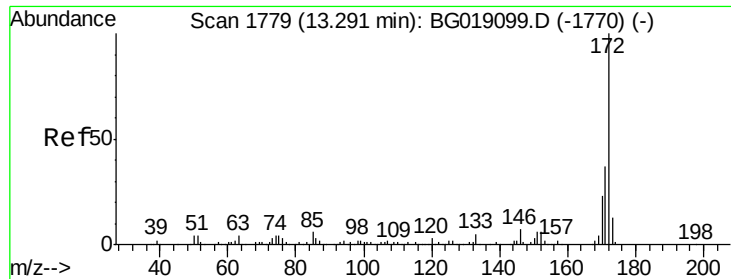


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

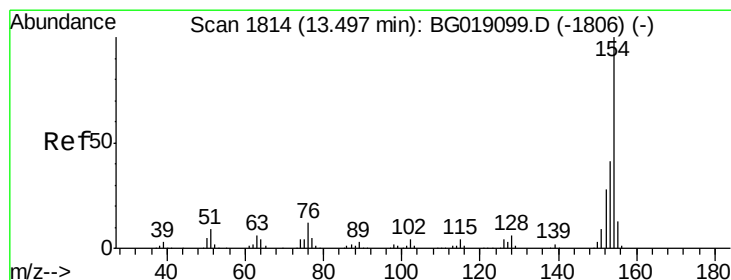
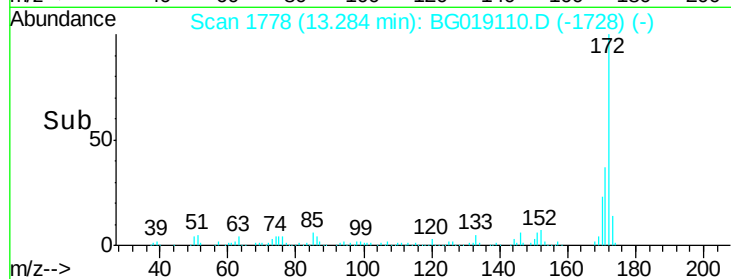
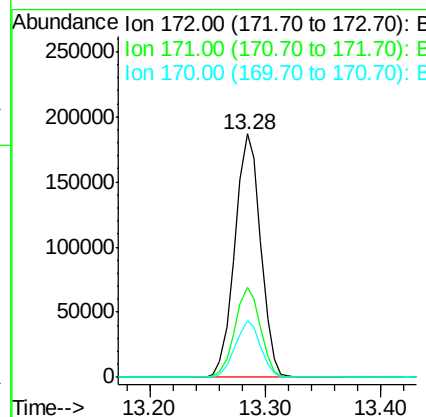
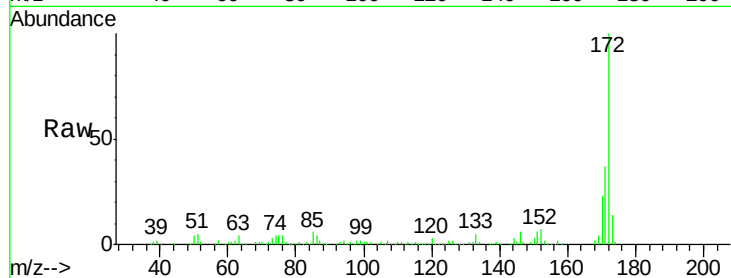




#44
 2-Fluorobiphenyl
 Concen: 80.84 ng
 RT: 13.28 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BG019110.D
 Acq: 10 Oct 2015 10:29

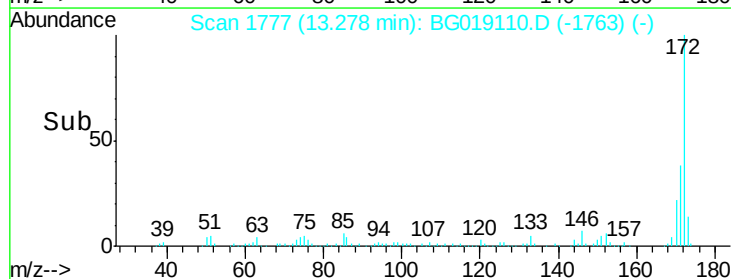
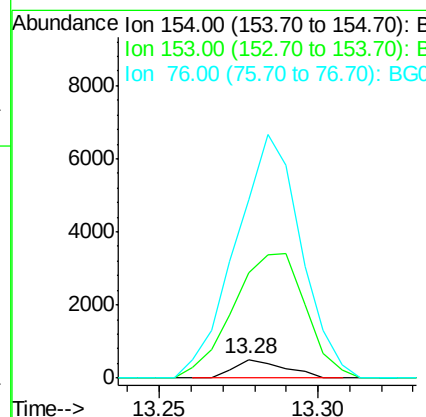
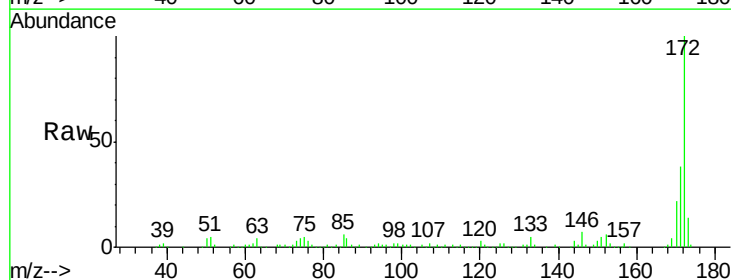
Instrument :
 BNA_G
 ClientSampleId :
 PB85978BL

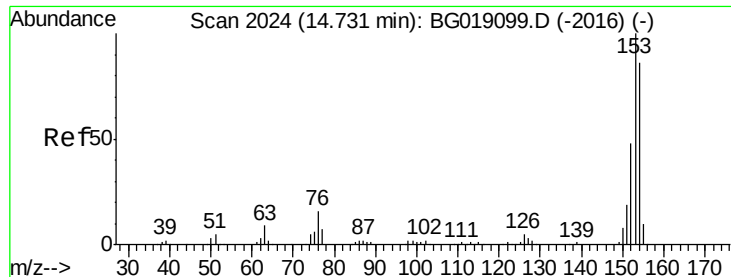
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.9	44.9
170	23.2	18.6	27.8



#45
 1,1'-Biphenyl
 Concen: 0.14 ng
 RT: 13.28 min Scan# 1777
 Delta R.T. -0.22 min
 Lab File: BG019110.D
 Acq: 10 Oct 2015 10:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	559.2	20.6	60.6#
76	945.4	0.0	32.2#





#51

Acenaphthene

Concen: 0.02 ng

RT: 14.67 min Scan# 2014

Delta R.T. -0.06 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

Instrument :

BNA_G

ClientSampleId :

PB85978BL

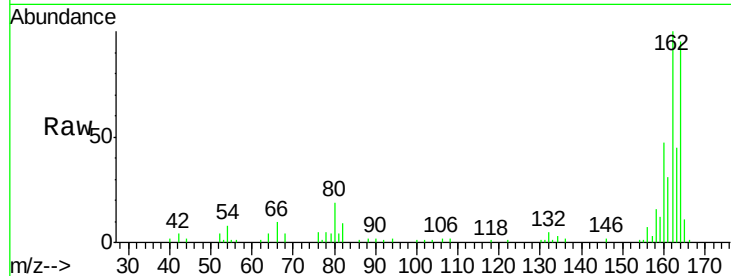
Tot Ion:154 Resp: 54

Ion Ratio Lower Upper

154 100

153 0.0 93.4 140.2#

152 0.0 44.9 67.3#

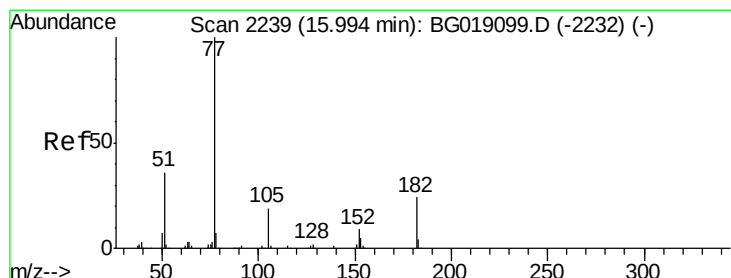
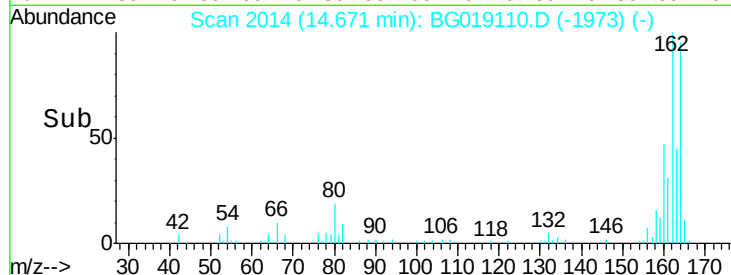
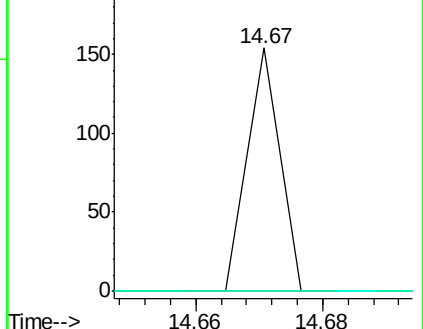


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.67



#62

Azobenzene

Concen: 0.08 ng

RT: 16.15 min Scan# 2266

Delta R.T. 0.16 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

Tgt Ion: 77 Resp: 321

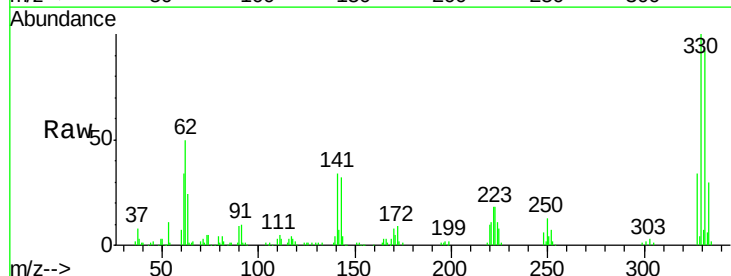
Ion Ratio Lower Upper

77 100

182 0.0 4.4 44.4#

105 85.9 0.0 39.1#

51 80.5 15.9 55.9#



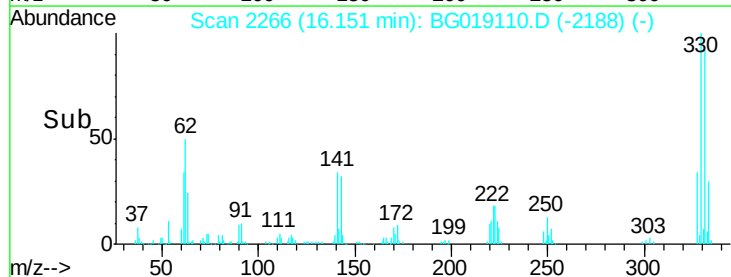
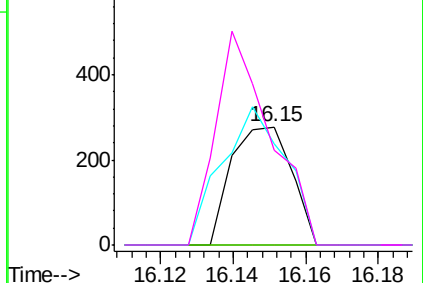
Abundance Ion 77.00 (76.70 to 77.70): BGC

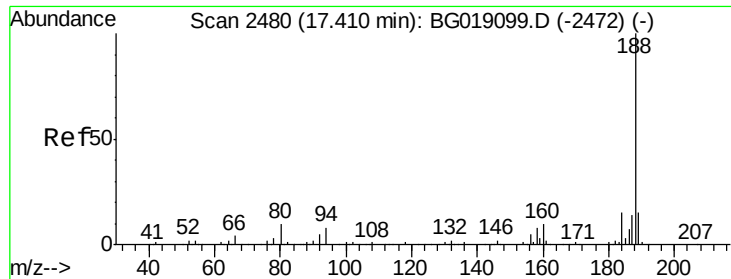
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

16.15

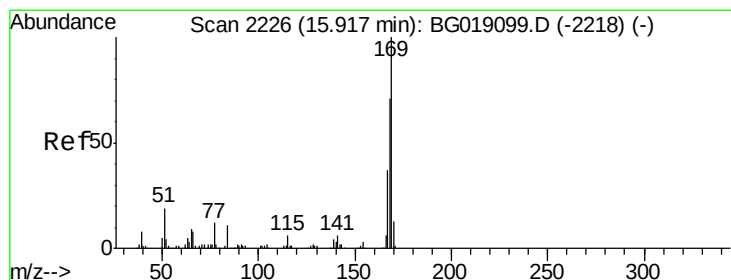
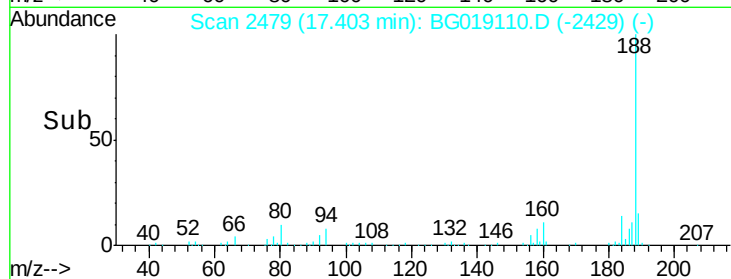
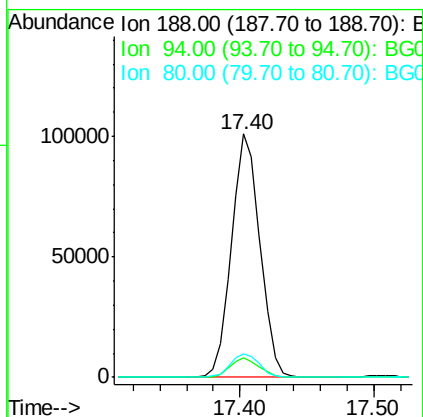
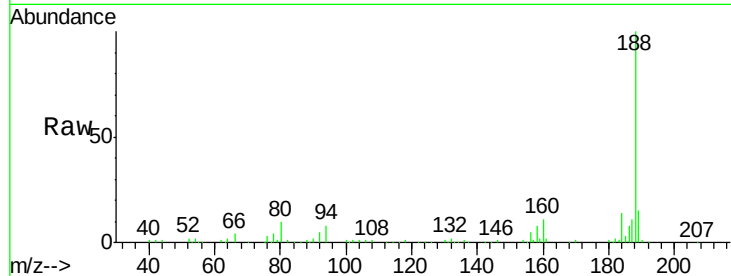




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.40 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BG019110.D
Acq: 10 Oct 2015 10:29

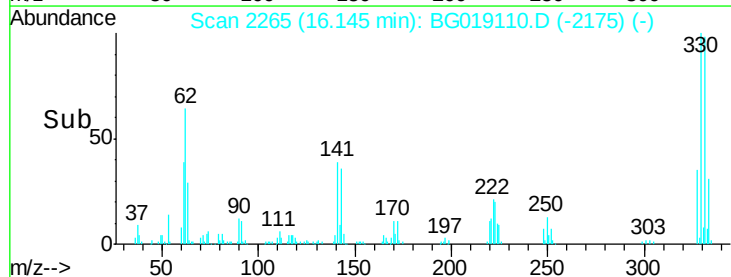
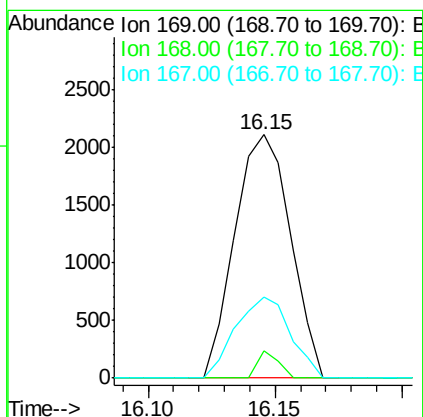
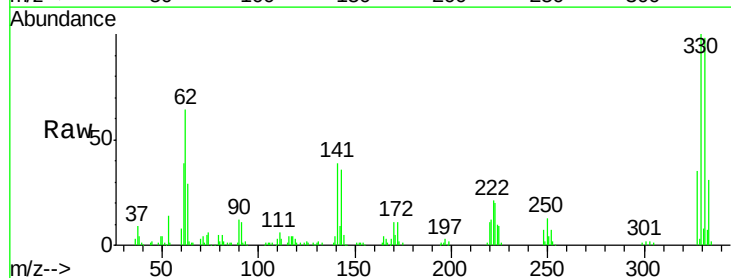
Instrument :
BNA_G
ClientSampleId :
PB85978BL

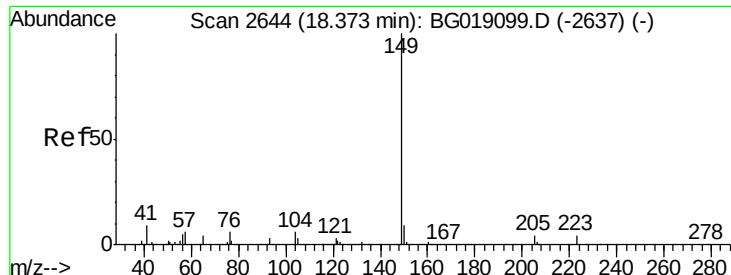
Tot Ion:188 Resp: 149883
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 9.5 7.6 11.4



#65
n-Nitrosodiphenylamine
Concen: 0.78 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.23 min
Lab File: BG019110.D
Acq: 10 Oct 2015 10:29

Tgt Ion:169 Resp: 3221
Ion Ratio Lower Upper
169 100
168 11.0 56.6 84.8#
167 33.2 30.0 45.0

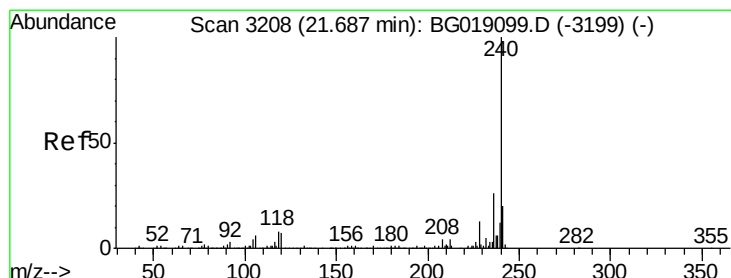
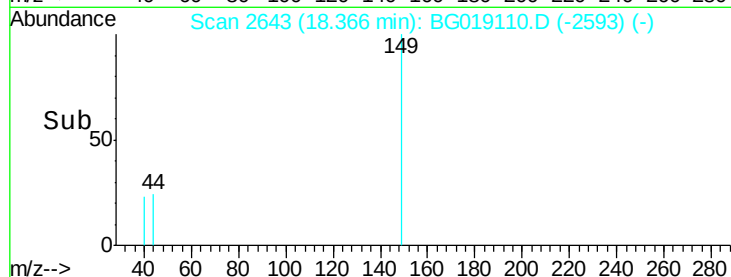
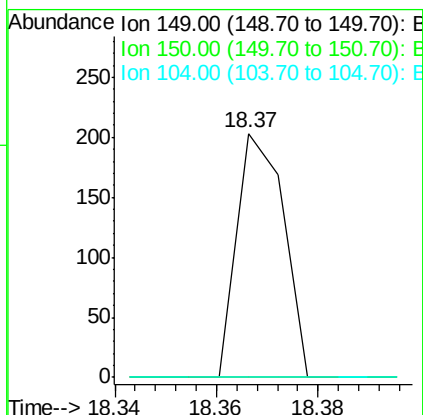
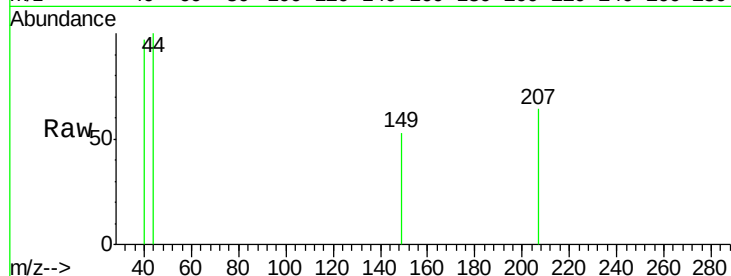




#73
Di-n-butylphthalate
Concen: 0.01 ng
RT: 18.37 min Scan# 2643
Delta R.T. -0.01 min
Lab File: BG019110.D
Acq: 10 Oct 2015 10:29

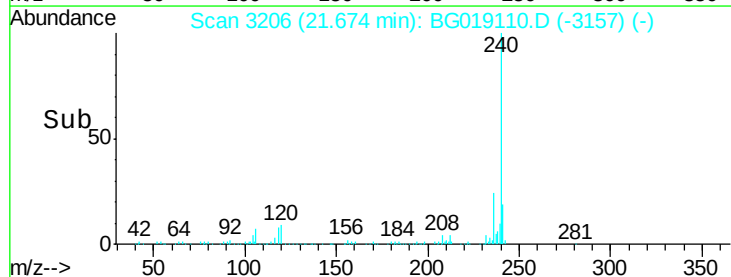
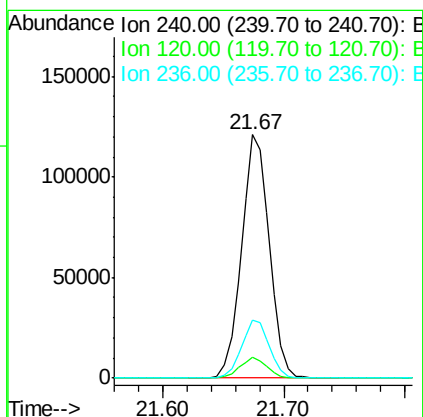
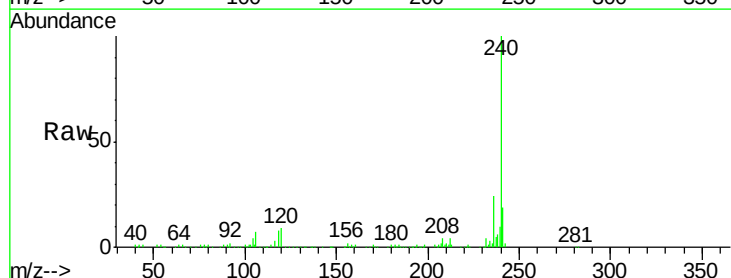
Instrument :
BNA_G
ClientSampleId :
PB85978BL

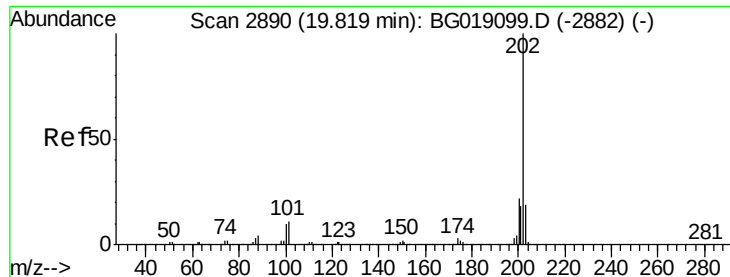
Tot Ion:149 Resp: 131
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 5.0 7.6#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.67 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BG019110.D
Acq: 10 Oct 2015 10:29

Tgt Ion:240 Resp: 193284
Ion Ratio Lower Upper
240 100
120 8.6 5.8 8.6#
236 23.6 21.2 31.8





#77

Pvrene

Concen: 0.21 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.20 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

Instrument :

BNA_G

ClientSampleId :

PB85978BL

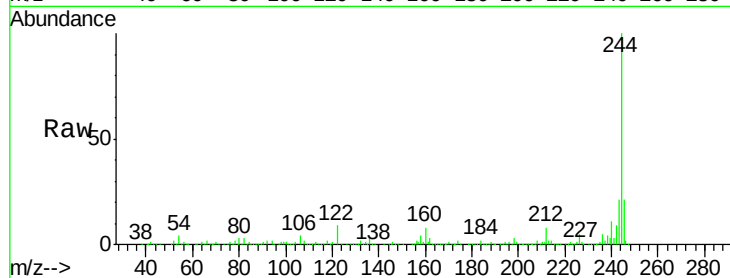
Tot Ion:202 Resp: 2313

Ion Ratio Lower Upper

202 100

200 57.5 17.4 26.2#

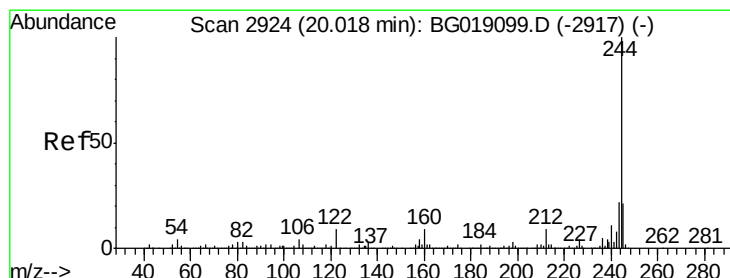
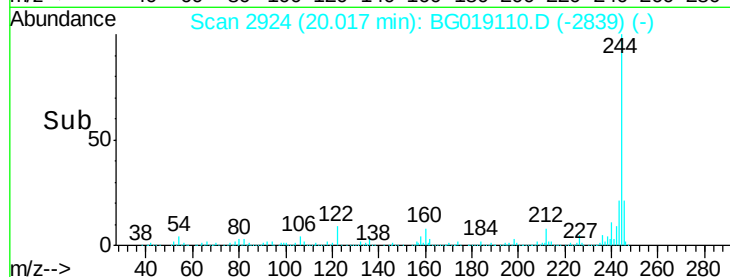
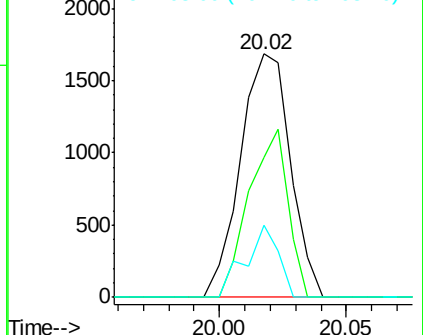
203 29.4 14.8 22.2#



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: 81.82 ng

RT: 20.02 min Scan# 2924

Delta R.T. -0.00 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

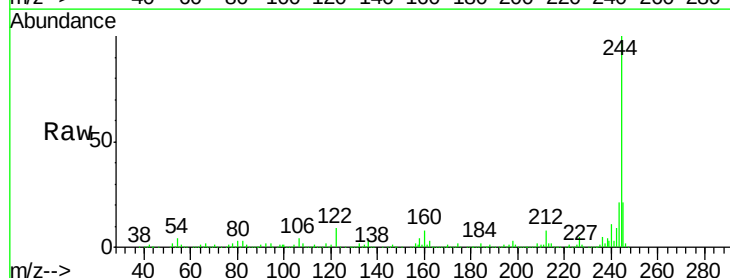
Tgt Ion:244 Resp: 598699

Ion Ratio Lower Upper

244 100

212 8.3 6.8 10.2

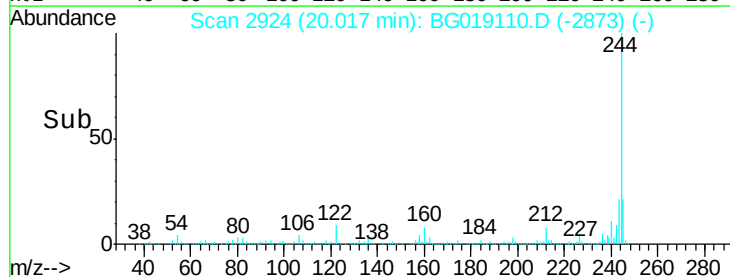
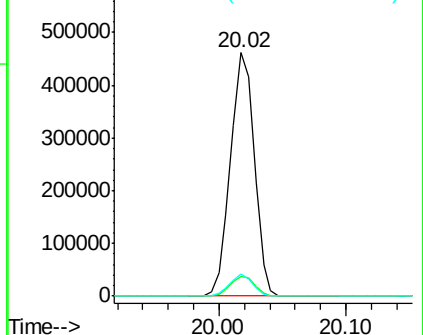
122 9.0 7.4 11.2

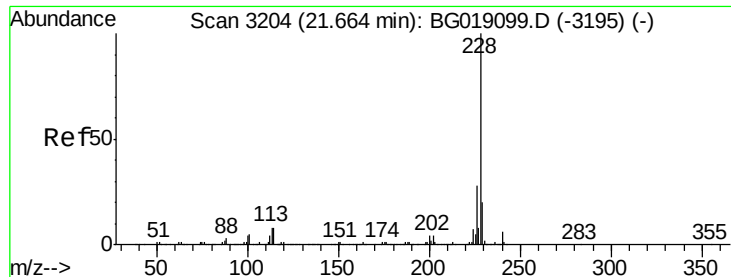


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

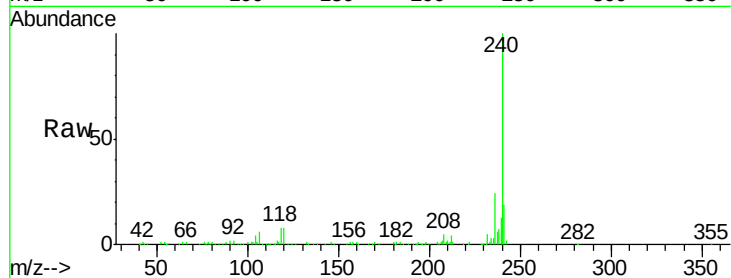




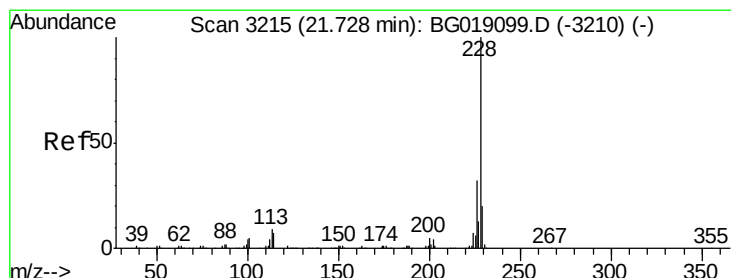
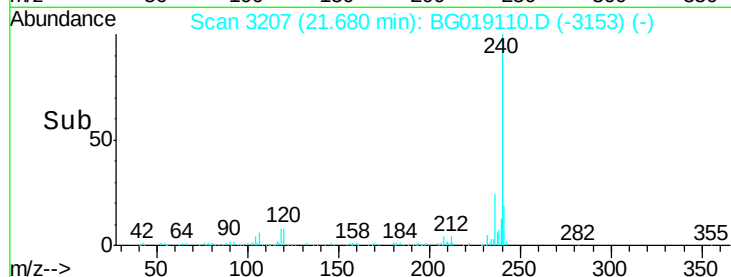
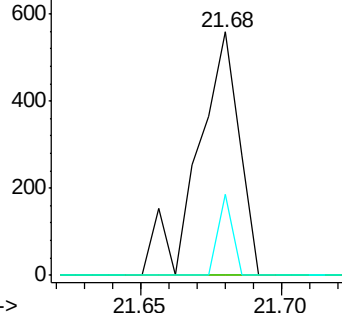
#80
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.68 min Scan# 3207
Delta R.T. 0.02 min
Lab File: BG019110.D
Acq: 10 Oct 2015 10:29

Instrument :
BNA_G
ClientSampleId :
PB85978BL

Tot Ion:228 Resp: 567
Ion Ratio Lower Upper
228 100
226 0.0 22.4 33.6#
229 33.3 16.2 24.2#

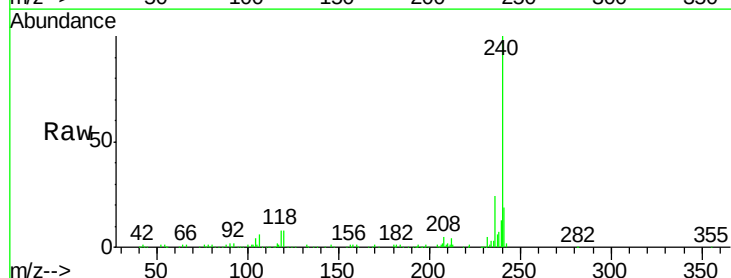


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

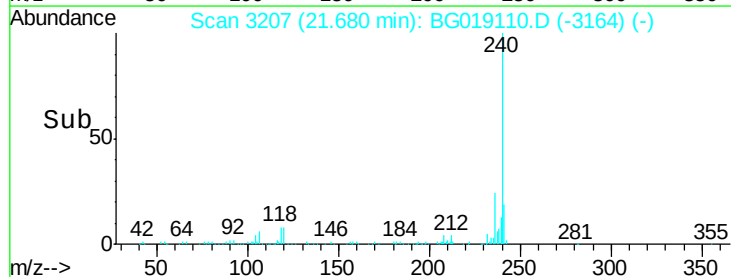
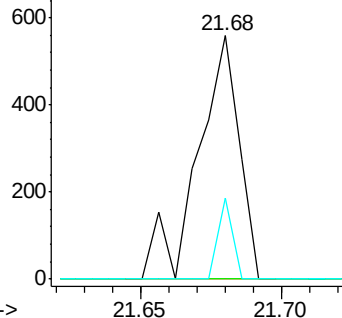


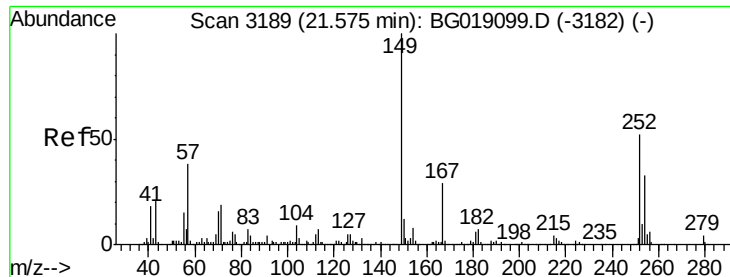
#82
Chrysene
Concen: 0.06 ng
RT: 21.68 min Scan# 3207
Delta R.T. -0.05 min
Lab File: BG019110.D
Acq: 10 Oct 2015 10:29

Tgt Ion:228 Resp: 567
Ion Ratio Lower Upper
228 100
226 0.0 25.2 37.8#
229 33.3 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: 0.02 ng

RT: 21.58 min Scan# 3190

Delta R.T. 0.00 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

Instrument :

BNA_G

ClientSampleId :

PB85978BL

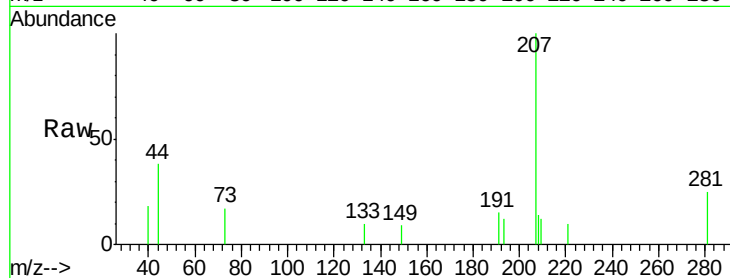
Tot Ion:149 Resp: 117

Ion Ratio Lower Upper

149 100

167 0.0 22.8 34.2#

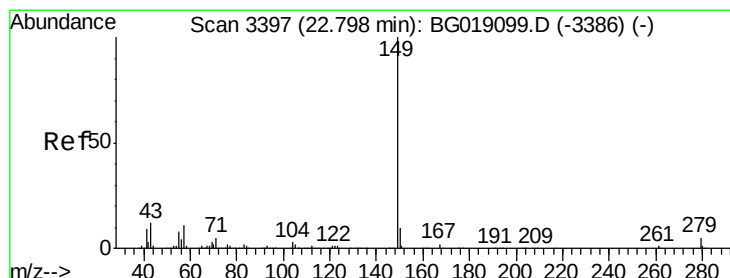
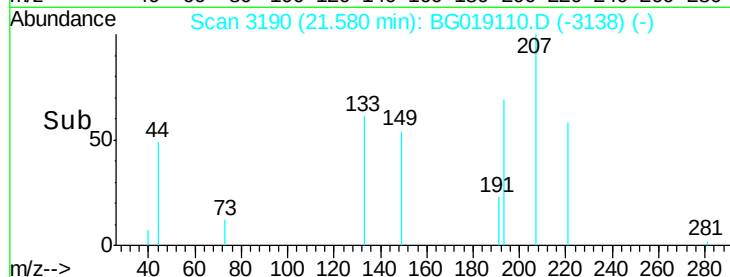
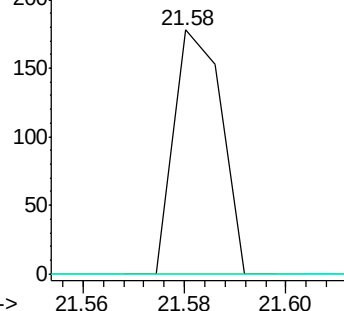
279 0.0 3.6 5.4#



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: 22.78 min Scan# 3395

Delta R.T. -0.01 min

Lab File: BG019110.D

Acq: 10 Oct 2015 10:29

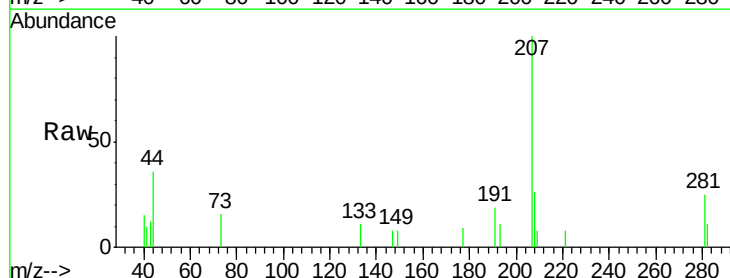
Tgt Ion:149 Resp: 54

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

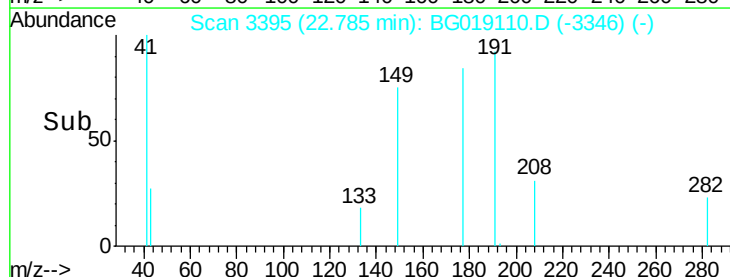
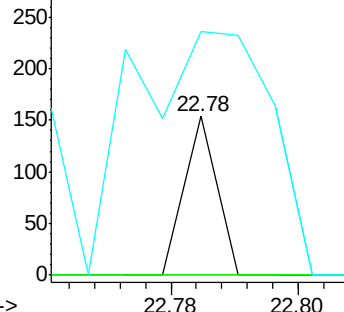
43 655.6 10.1 15.1#

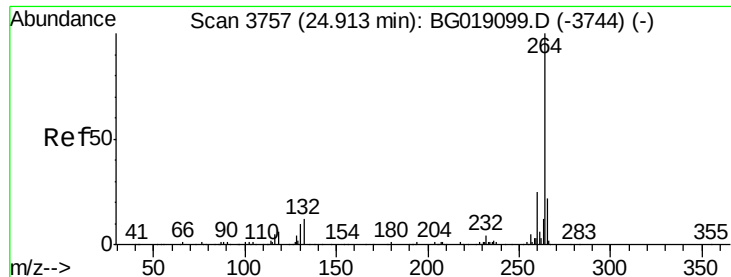


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

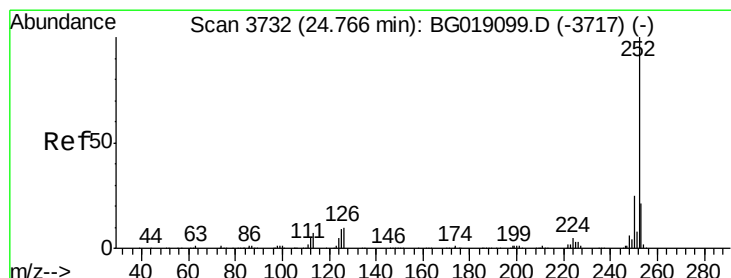
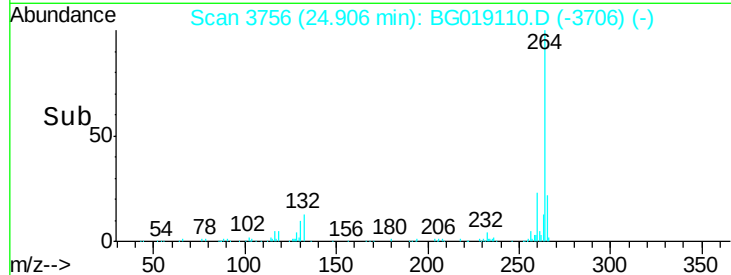
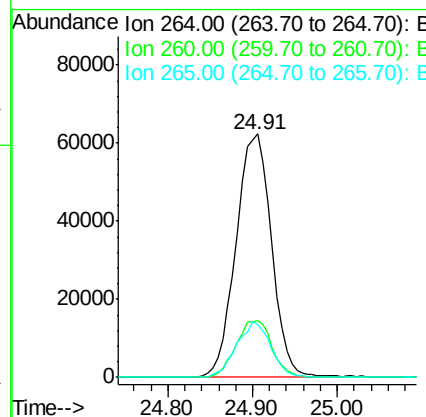
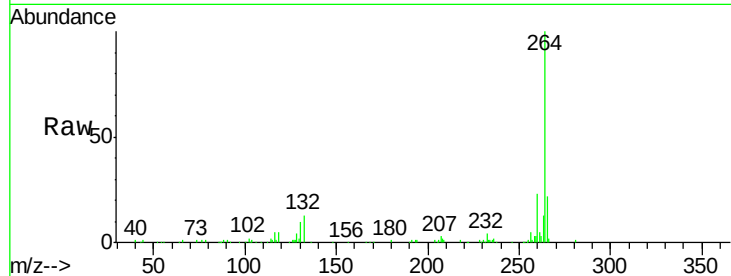




#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.91 min Scan# 3756
Delta R.T. -0.01 min
Lab File: BG019110.D
Acq: 10 Oct 2015 10:29

Instrument :
BNA_G
ClientSampleId :
PB85978BL

Tot Ion:264 Resp: 181580
Ion Ratio Lower Upper
264 100
260 23.1 20.1 30.1
265 21.9 17.2 25.8



#89
Benzo(a)pyrene
Concen: 0.05 ng
RT: 24.89 min Scan# 3753
Delta R.T. 0.12 min
Lab File: BG019110.D
Acq: 10 Oct 2015 10:29

Tgt Ion:252 Resp: 462
Ion Ratio Lower Upper
252 100
253 0.0 17.0 25.4#
125 0.0 7.2 10.8#

