

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
 Data File : BG019121.D
 Acq On : 10 Oct 2015 17:27
 Operator : UM/NP
 Sample : PB86017BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB86017BL

Quant Time: Oct 12 06:35:15 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	14335	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	63594	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	44036	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	122047	20.00	ng	0.00
75) Chrysene-d12	21.67	240	154642	20.00	ng	0.00
86) Perylene-d12	24.90	264	135765	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	104391	148.27	ng	0.00
7) Phenol-d6	7.20	99	155264	143.55	ng	0.00
23) Nitrobenzene-d5	9.19	82	103347	89.79	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	79939	133.21	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	257274	89.83	ng	0.00
78) Terphenyl-d14	20.02	244	542090	92.60	ng	0.00

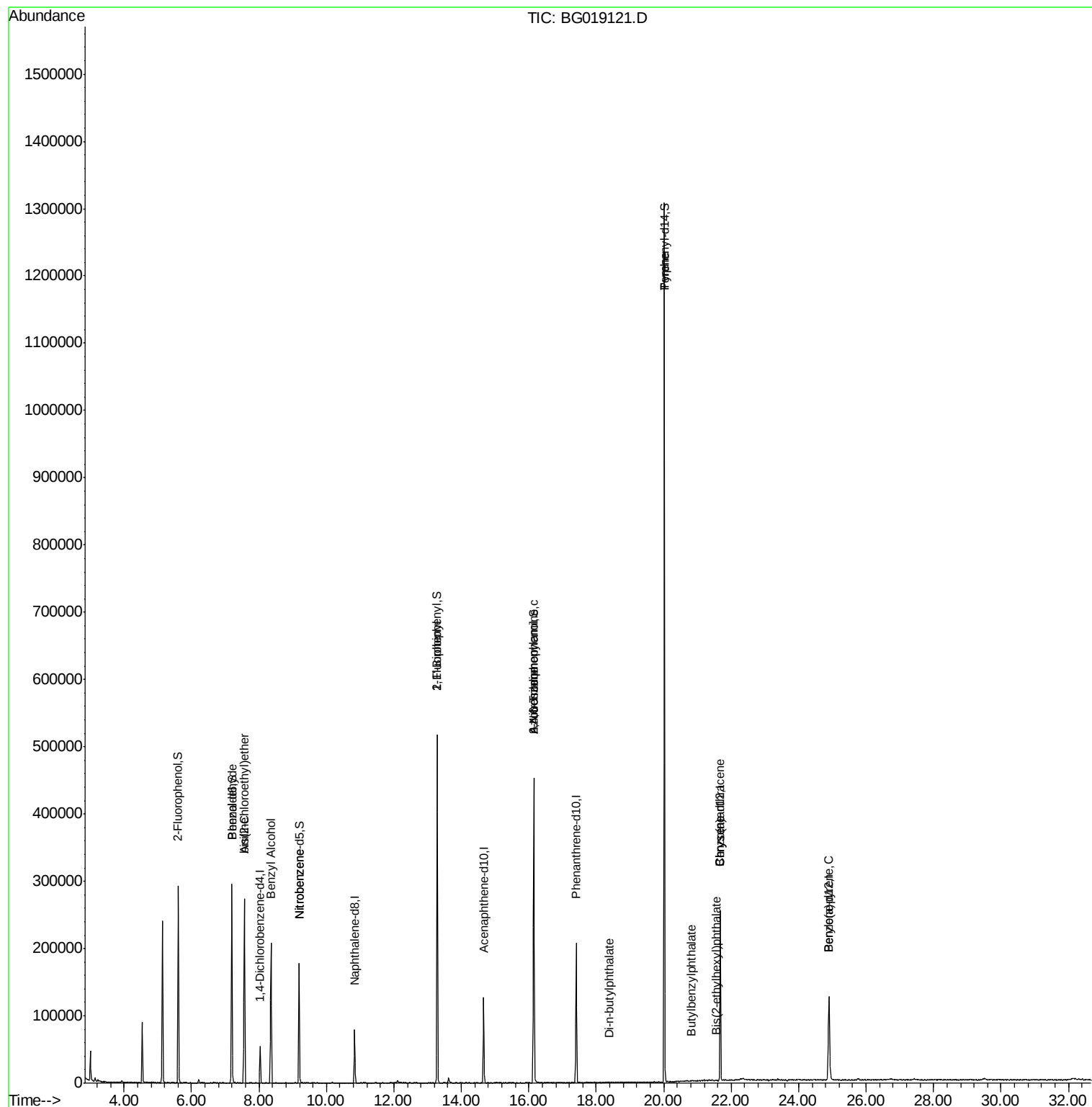
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.57	93	182	0.12	ng	# 1
9) Benzaldehyde	7.19	77	233	0.34	ng	# 3
11) bis(2-Chloroethyl)ether	7.57	93	182	0.21	ng	# 1
15) Benzyl Alcohol	8.36	79	1577	1.63	ng	# 47
24) Nitrobenzene	9.18	77	377	0.31	ng	# 43
45) 1,1'-Biphenyl	13.28	154	390	0.12	ng	# 1
62) Azobenzene	16.15	77	386	0.12	ng	# 59
65) n-Nitrosodiphenylamine	16.15	169	2594	0.77	ng	# 53
73) Di-n-butylphthalate	18.37	149	272	0.04	ng	# 77
77) Pyrene	20.02	202	2035	0.23	ng	# 58
79) Butylbenzylphthalate	20.81	149	56	0.02	ng	# 22
80) Benzo(a)anthracene	21.67	228	531	0.06	ng	# 51
82) Chrysene	21.67	228	531	0.07	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.57	149	59	0.01	ng	# 52
89) Benzo(a)pyrene	24.90	252	152	0.02	ng	# 61

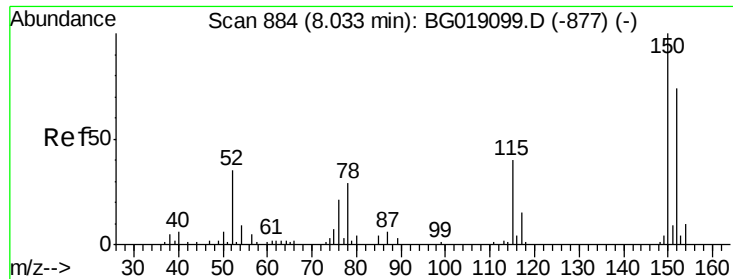
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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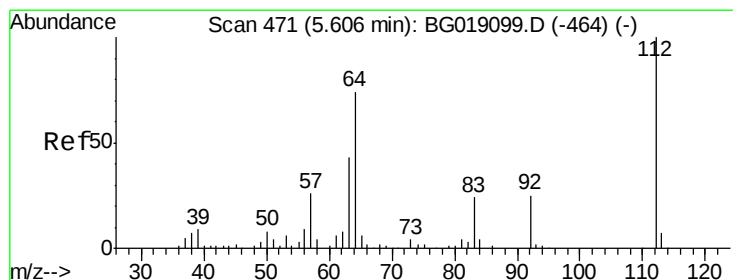
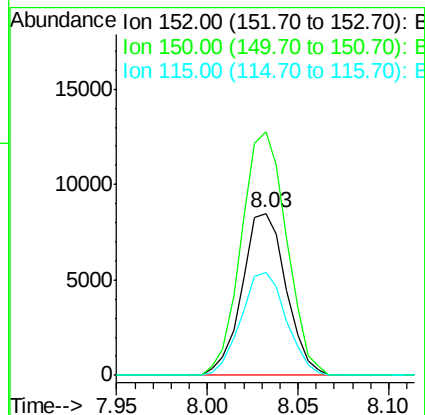
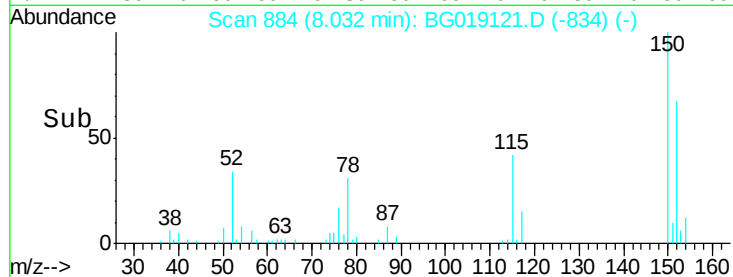
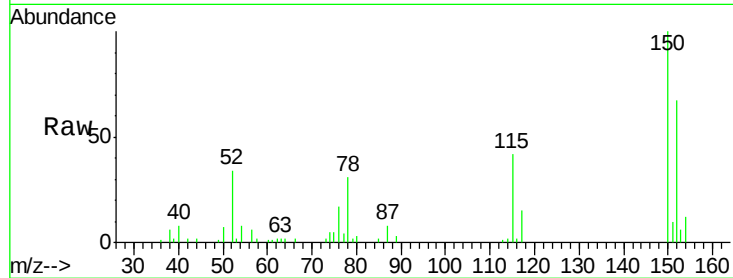


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 884
Delta R.T. -0.00 min
Lab File: BG019121.D
Acq: 10 Oct 2015 17:27

Instrument :
BNA_G
ClientSampleId :
PB86017BL

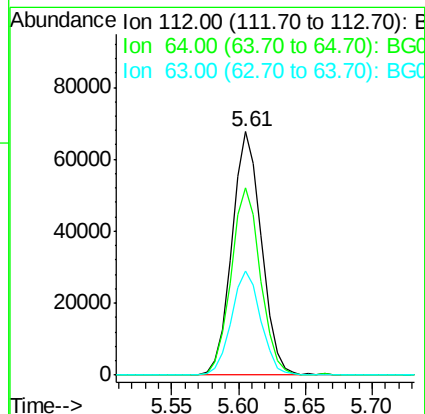
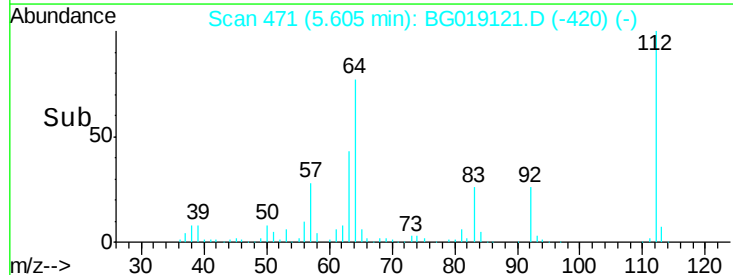
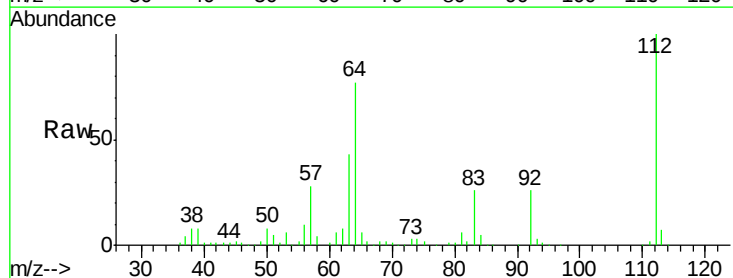
Tot Ion:152 Resp: 14335
Ion Ratio Lower Upper
152 100
150 150.3 108.2 162.2
115 63.5 43.2 64.8

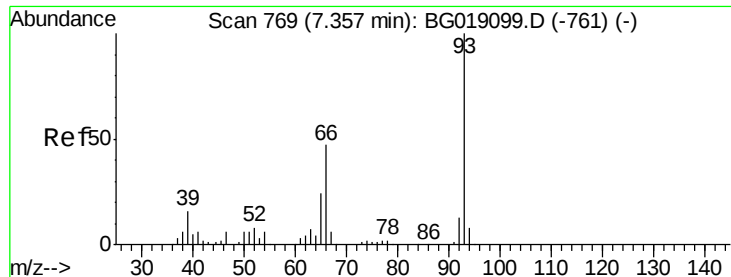


#5

2-Fluorophenol
Concen: 148.27 ng
RT: 5.61 min Scan# 471
Delta R.T. 0.00 min
Lab File: BG019121.D
Acq: 10 Oct 2015 17:27

Tgt Ion:112 Resp: 104391
Ion Ratio Lower Upper
112 100
64 76.8 59.0 88.4
63 43.0 34.7 52.1





#6

Aniline

Concen: 0.12 ng

RT: 7.57 min Scan# 805

Delta R.T. 0.21 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

Instrument :

BNA_G

ClientSampled :

PB86017BL

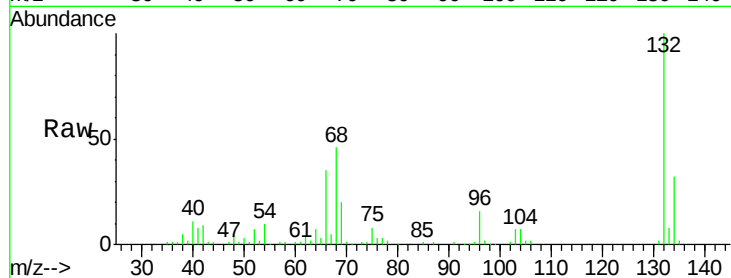
Tot Ion: 93 Resp: 182

Ion Ratio Lower Upper

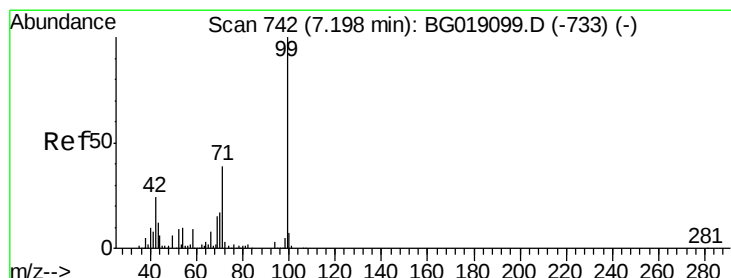
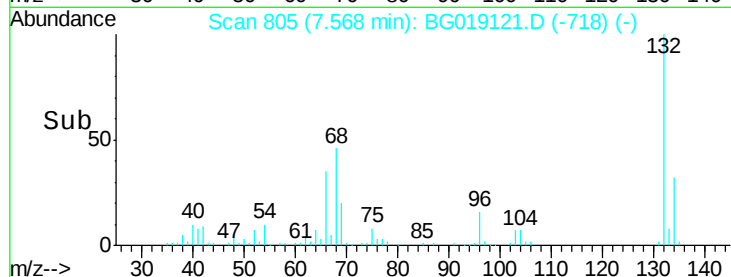
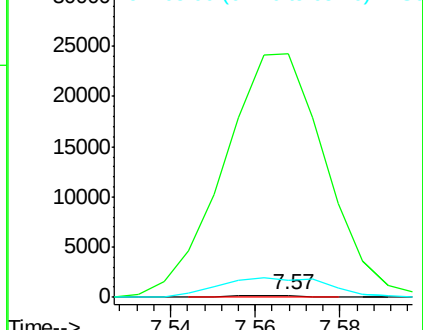
93 100

66 12124.0 37.4 56.2#

65 871.0 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: 143.55 ng

RT: 7.20 min Scan# 742

Delta R.T. 0.00 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

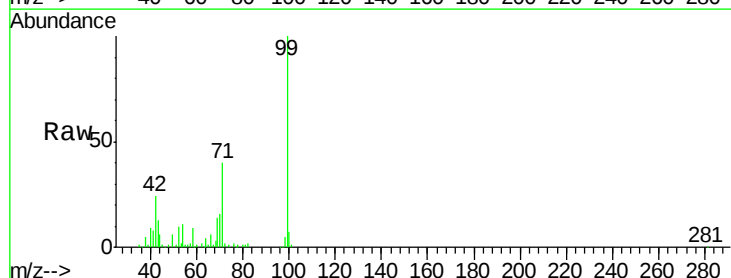
Tgt Ion: 99 Resp: 155264

Ion Ratio Lower Upper

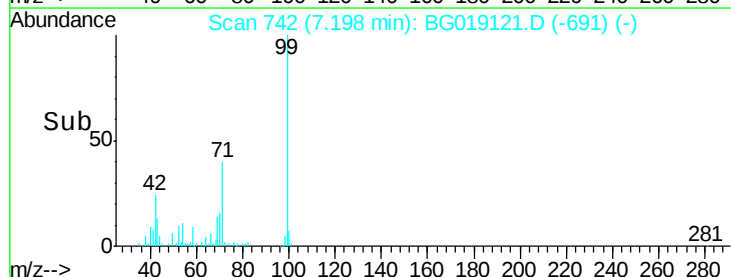
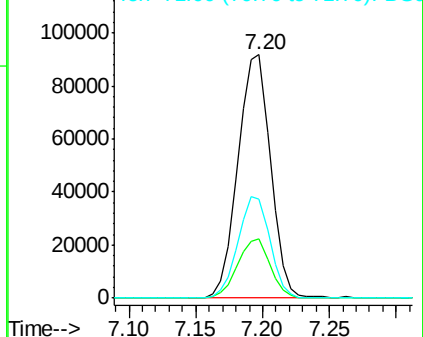
99 100

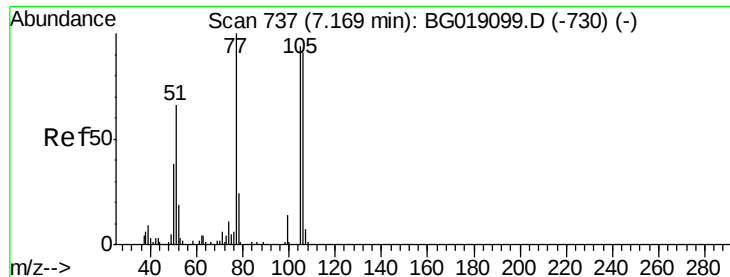
42 24.3 19.5 29.3

71 40.5 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

Benzaldehyd

Concen: 0.34 ng

RT: 7.19 min Scan# 741

Delta R.T. 0.02 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

Instrument :

BNA_G

ClientSampleId :

PB86017BL

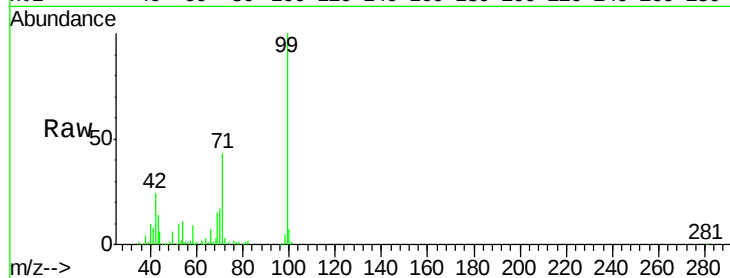
Tot Ion: 77 Resp: 233

Ion Ratio Lower Upper

77 100

105 0.0 73.7 113.7#

106 0.0 71.0 111.0#



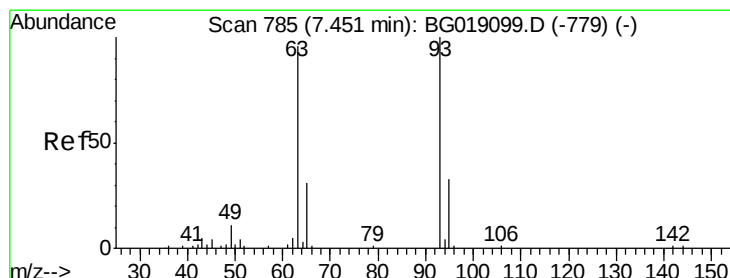
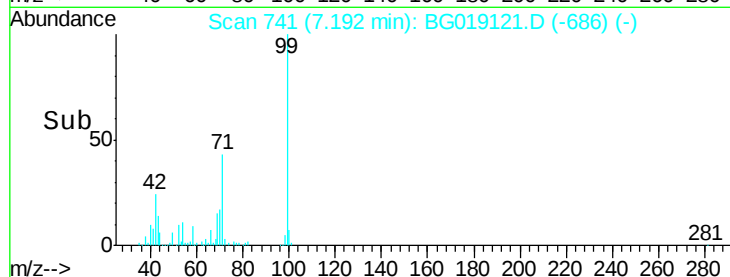
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

7.19

Time-->



#11

bis(2-Chloroethyl)ether

Concen: 0.21 ng

RT: 7.57 min Scan# 805

Delta R.T. 0.12 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

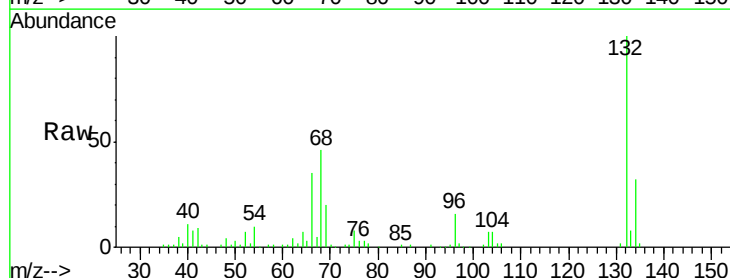
Tgt Ion: 93 Resp: 182

Ion Ratio Lower Upper

93 100

63 532.0 75.3 115.3#

95 239.5 12.9 52.9#



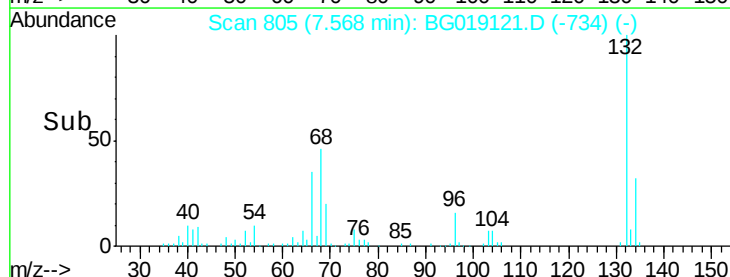
Abundance Ion 93.00 (92.70 to 93.70): BGC

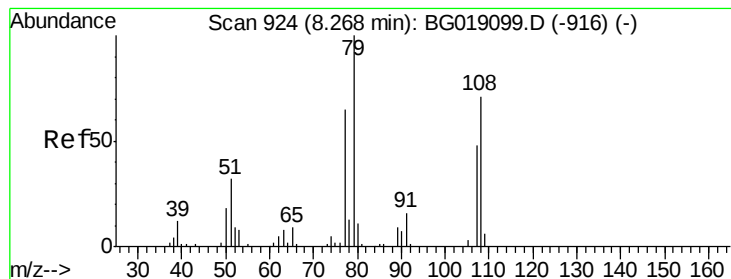
Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

7.57

Time-->





#15

Benzyl Alcohol

Concen: 1.63 ng

RT: 8.36 min Scan# 939

Delta R.T. 0.09 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

Instrument :

BNA_G

ClientSampleID :

PB86017BL

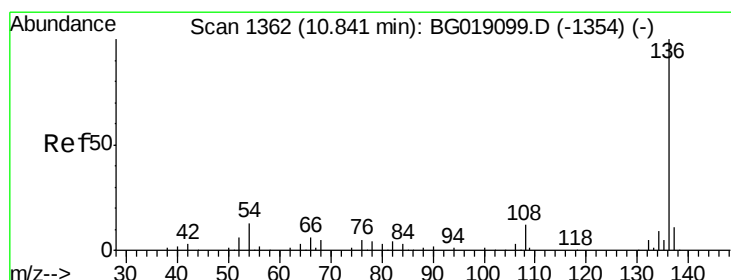
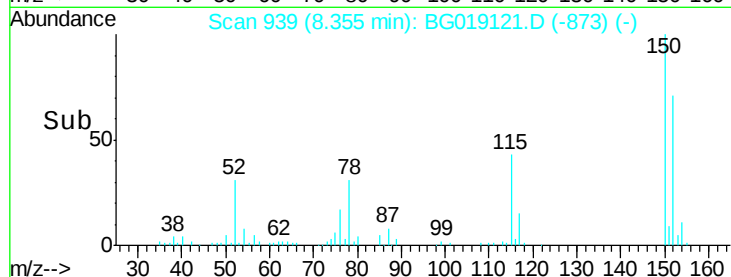
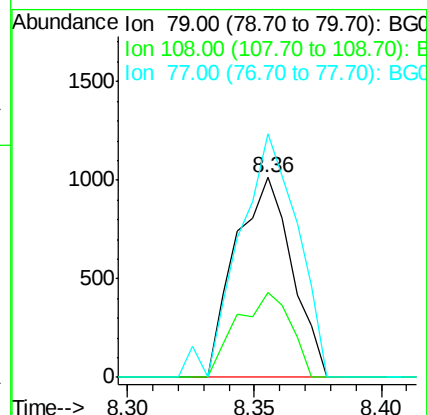
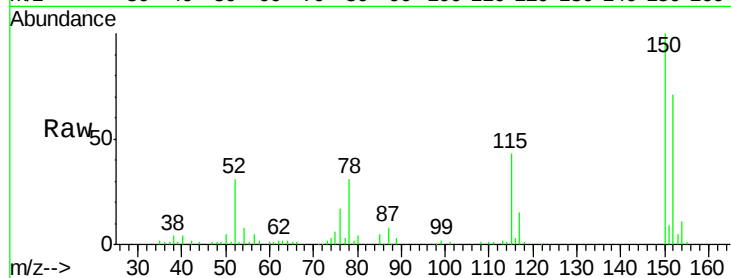
Tot Ion: 79 Resp: 1577

Ion Ratio Lower Upper

79 100

108 42.8 56.6 84.8#

77 122.0 51.6 77.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.83 min Scan# 1361

Delta R.T. -0.00 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

Tgt Ion: 136 Resp: 63594

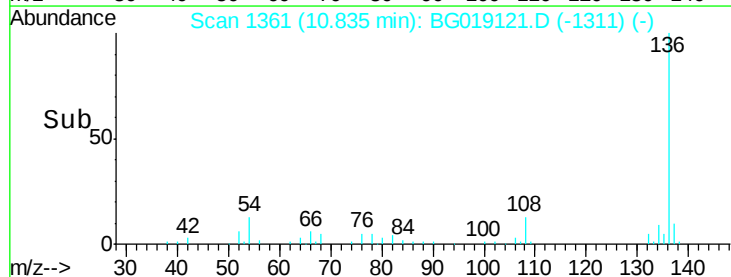
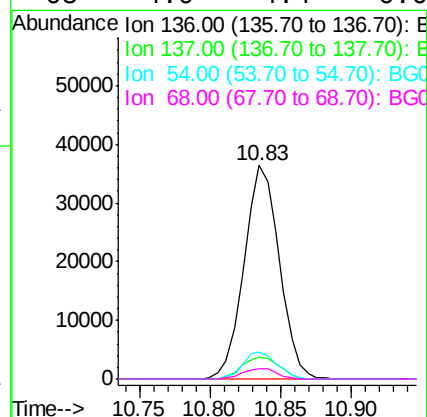
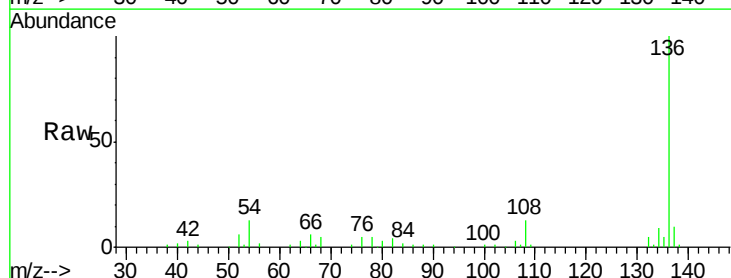
Ion Ratio Lower Upper

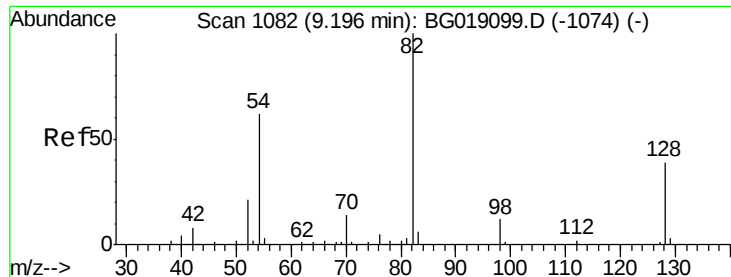
136 100

137 10.2 9.0 13.4

54 12.6 10.1 15.1

68 4.9 4.4 6.6

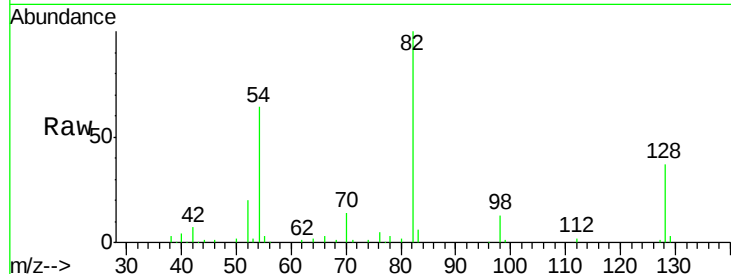




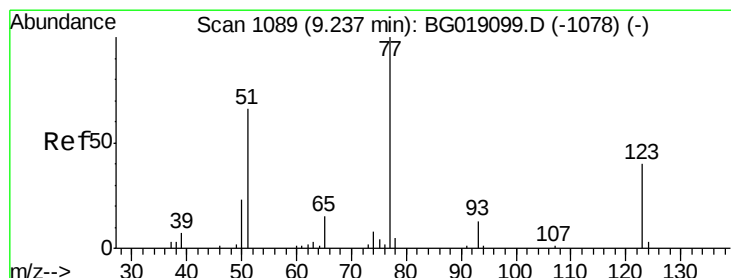
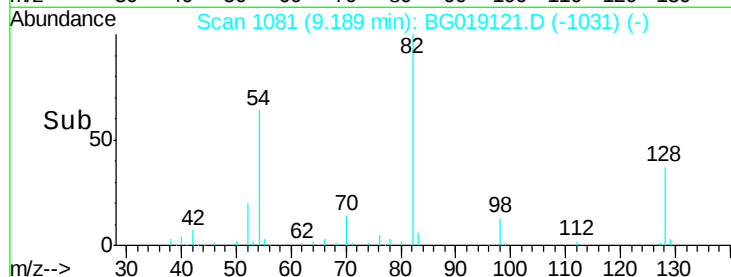
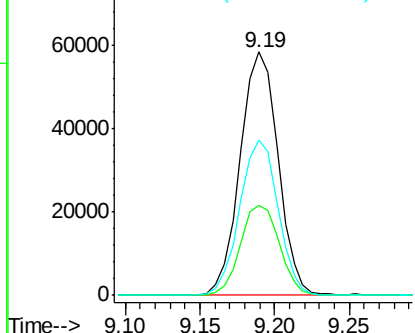
#23
 Nitrobenzene-d5
 Concen: 89.79 ng
 RT: 9.19 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: BG019121.D
 Acq: 10 Oct 2015 17:27

Instrument :
 BNA_G
 ClientSampleId :
 PB86017BL

Tot Ion	82	Resp	103347
Ion Ratio	100	Lower	Upper
128	37.2	31.4	47.2
54	63.8	50.0	75.0

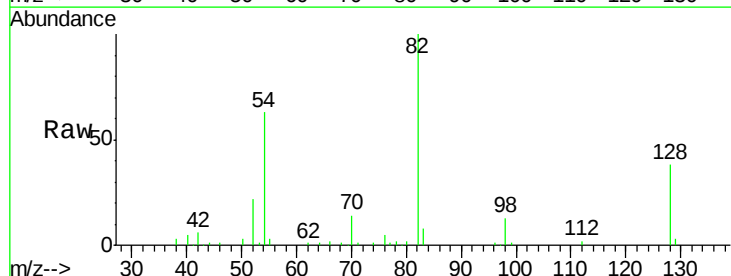


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

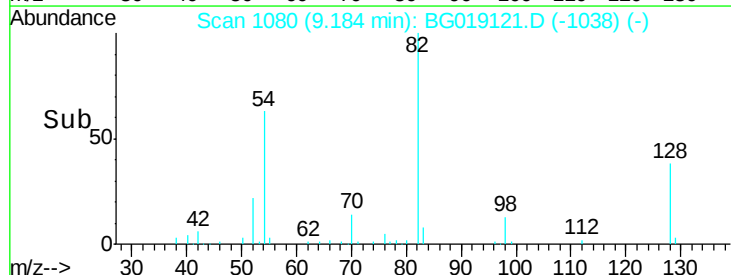
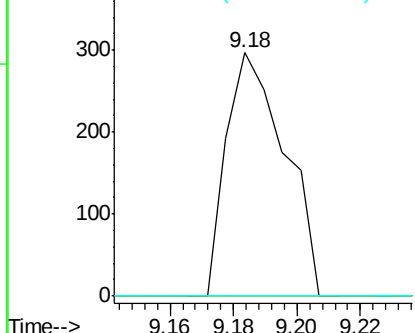


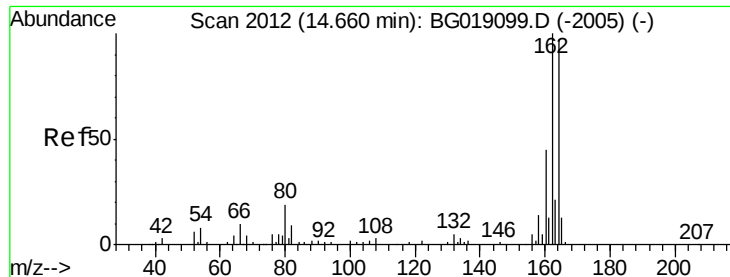
#24
 Nitrobenzene
 Concen: 0.31 ng
 RT: 9.18 min Scan# 1080
 Delta R.T. -0.05 min
 Lab File: BG019121.D
 Acq: 10 Oct 2015 17:27

Tgt Ion	77	Resp	377
Ion Ratio	100	Lower	Upper
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# 1212

Delta R.T. 0.00 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

Instrument :

BNA_G

ClientSampleId :

PB86017BL

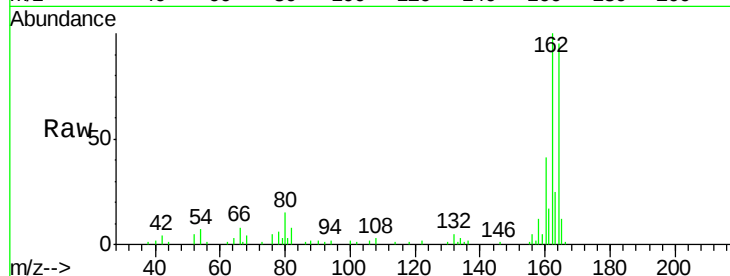
Tot Ion:164 Resp: 44036

Ion Ratio Lower Upper

164 100

162 104.9 82.6 124.0

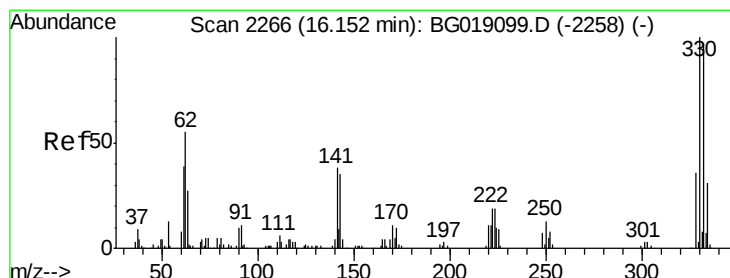
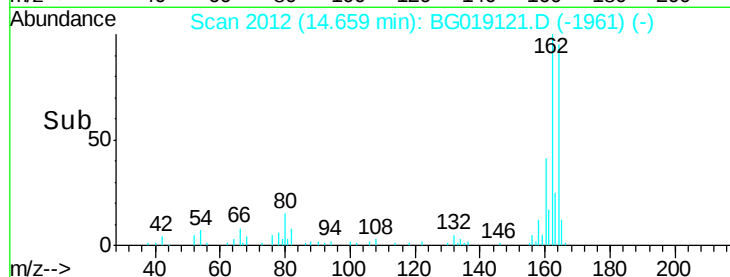
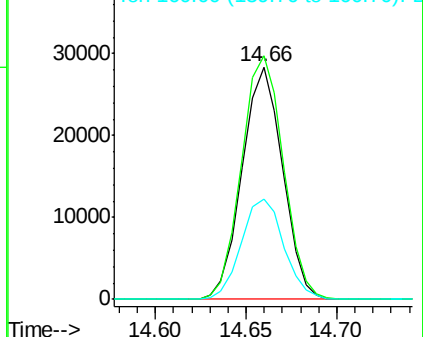
160 43.4 36.9 55.3



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: 133.21 ng

RT: 16.15 min Scan# 2265

Delta R.T. -0.00 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

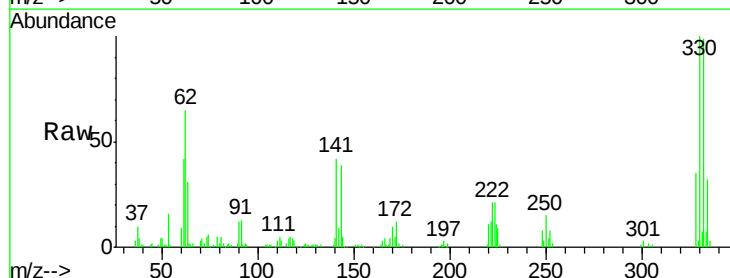
Tgt Ion:330 Resp: 79939

Ion Ratio Lower Upper

330 100

332 95.7 77.3 115.9

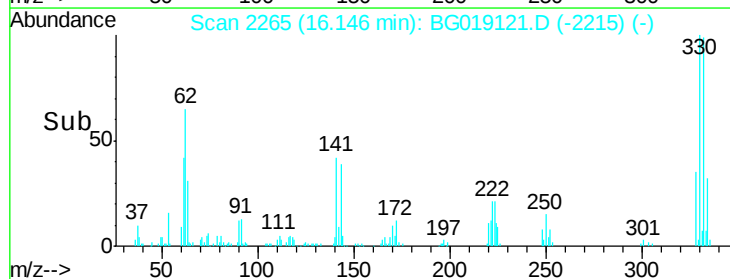
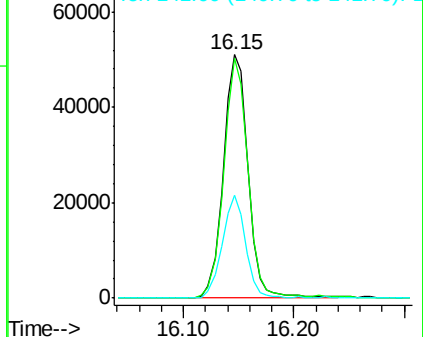
141 39.6 30.7 46.1

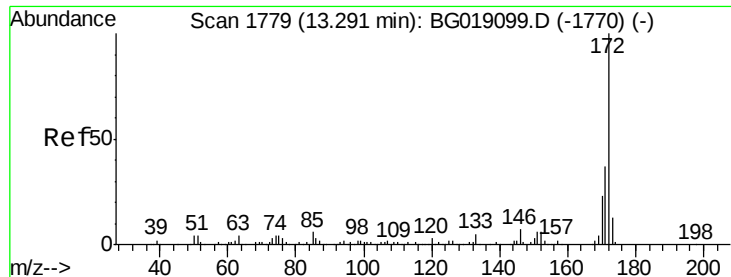


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

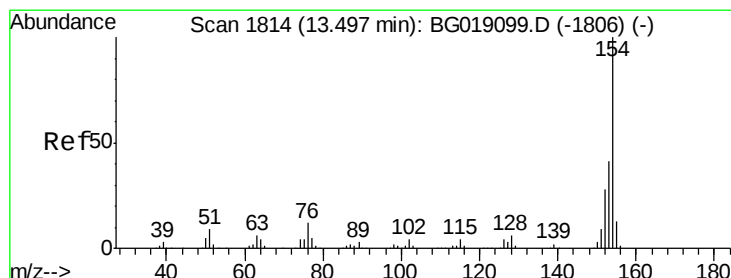
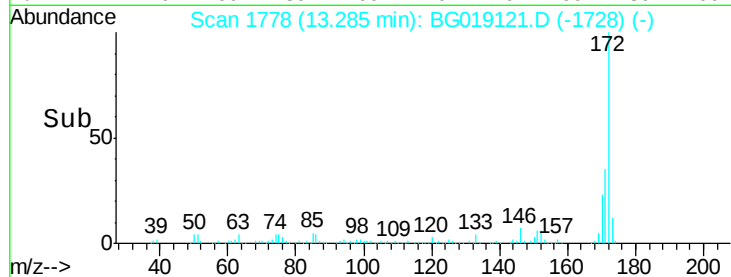
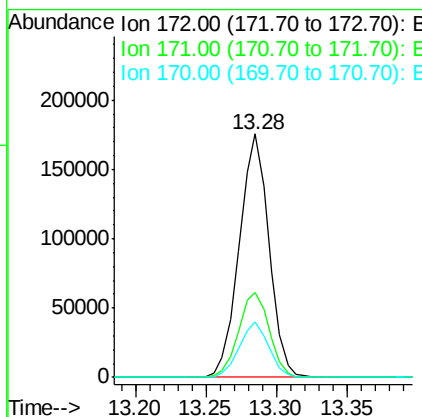
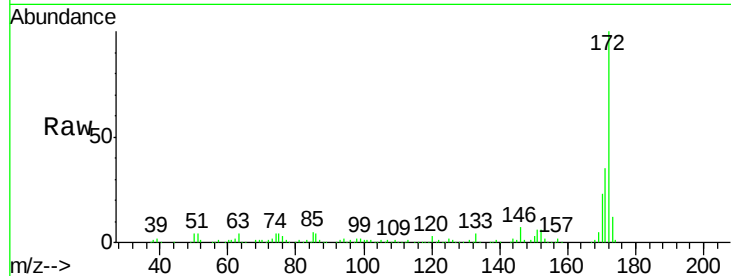




#44
2-Fluorobiphenyl
Concen: 89.83 ng
RT: 13.28 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BG019121.D
Acq: 10 Oct 2015 17:27

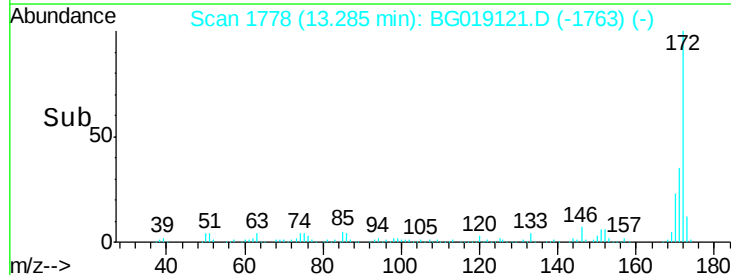
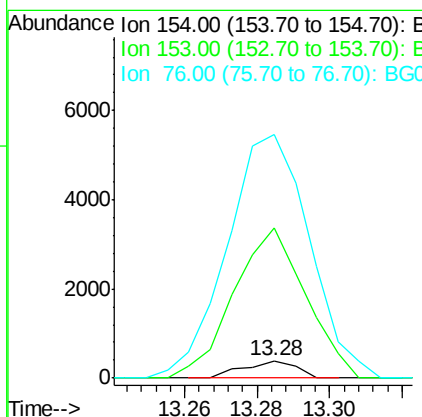
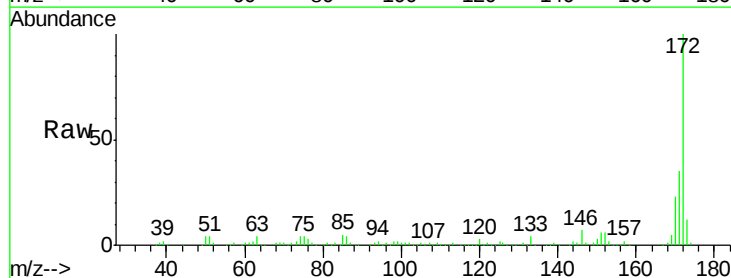
Instrument :
BNA_G
ClientSampleId :
PB86017BL

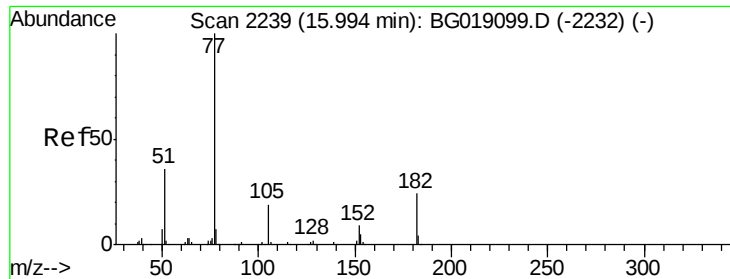
Tot Ion:172 Resp: 257274
Ion Ratio Lower Upper
172 100
171 35.1 29.9 44.9
170 22.9 18.6 27.8



#45
1,1'-Biphenyl
Concen: 0.12 ng
RT: 13.28 min Scan# 1778
Delta R.T. -0.21 min
Lab File: BG019121.D
Acq: 10 Oct 2015 17:27

Tgt Ion:154 Resp: 390
Ion Ratio Lower Upper
154 100
153 866.8 20.6 60.6#
76 1407.5 0.0 32.2#





#62

Azobenzene

Concen: 0.12 ng

RT: 16.15 min Scan# 2266

Delta R.T. 0.16 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

Instrument :

BNA_G

ClientSampleId :

PB86017BL

Tot Ion: 77 Resp: 386

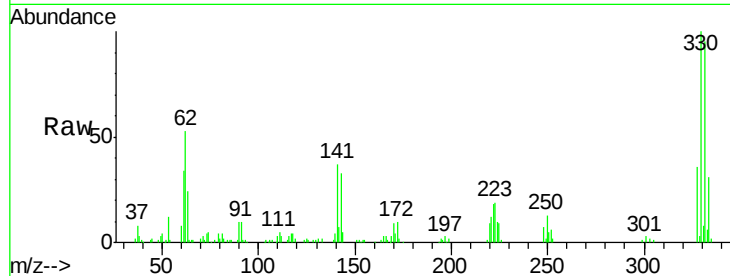
Ion Ratio Lower Upper

77 100

182 0.0 4.4 44.4#

105 53.4 0.0 39.1#

51 46.1 15.9 55.9

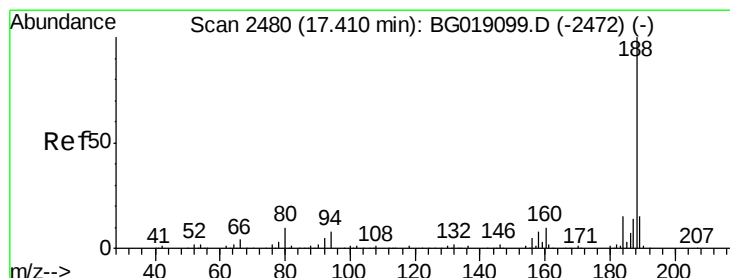
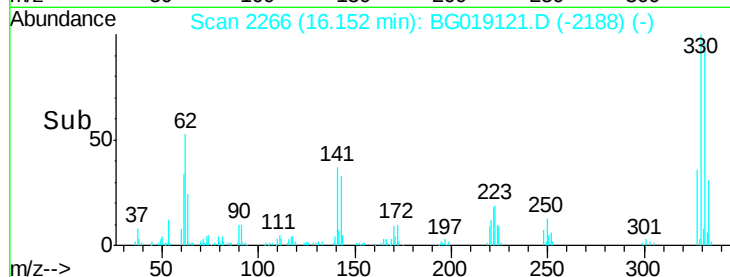
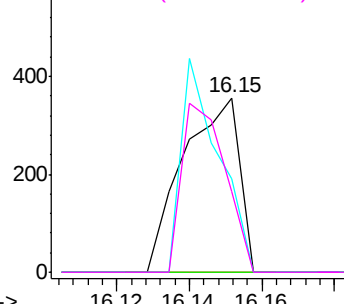


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.40 min Scan# 2479

Delta R.T. -0.00 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

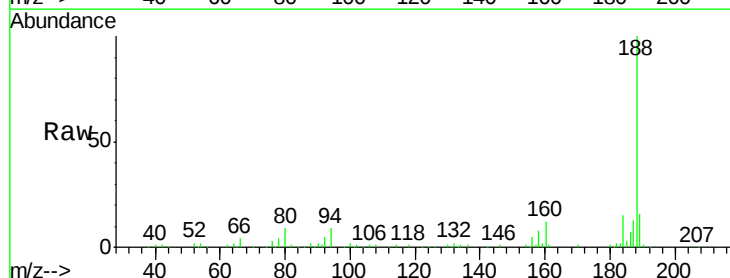
Tgt Ion: 188 Resp: 122047

Ion Ratio Lower Upper

188 100

94 8.5 6.4 9.6

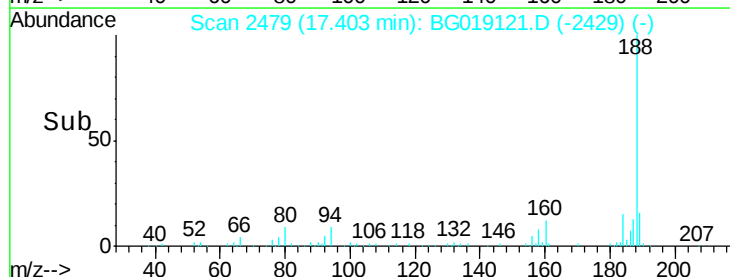
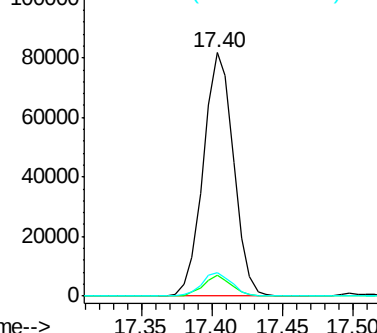
80 9.4 7.6 11.4

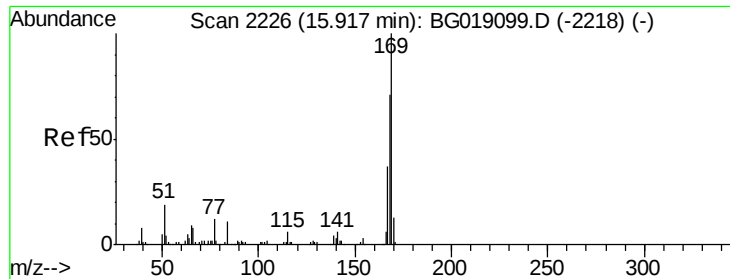


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

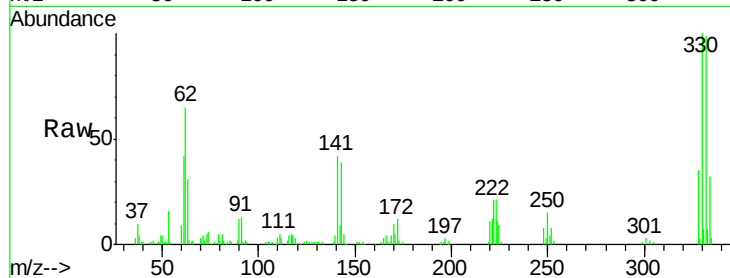




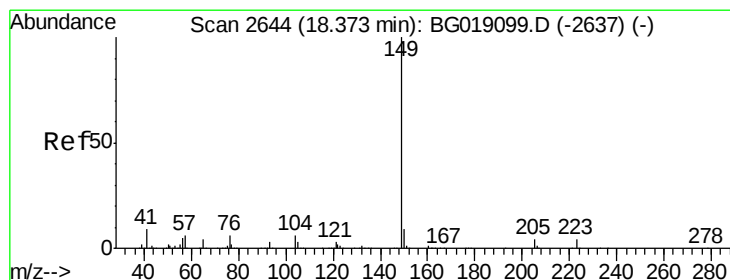
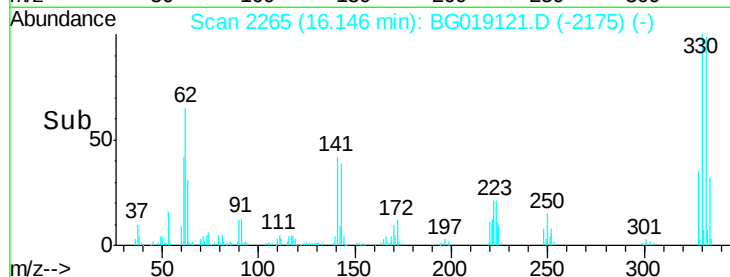
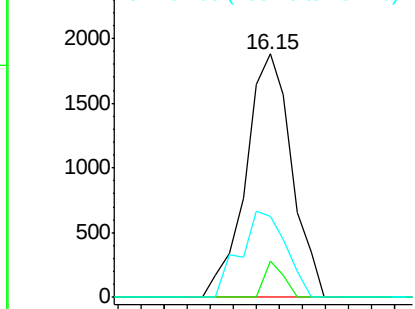
#65
n-Nitrosodiphenylamine
Concen: 0.77 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.23 min
Lab File: BG019121.D
Acq: 10 Oct 2015 17:27

Instrument :
BNA_G
ClientSampleId :
PB86017BL

Tot Ion	Ratio	Lower	Upper
169	100		
168	14.8	56.6	84.8#
167	33.4	30.0	45.0

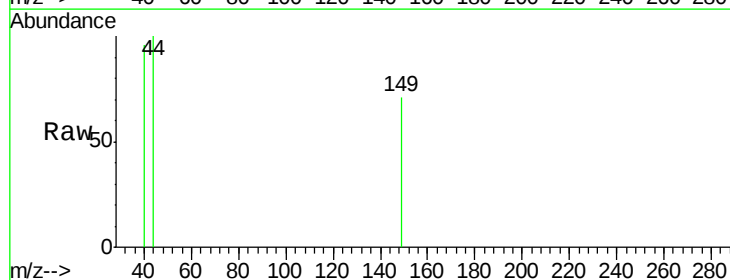


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

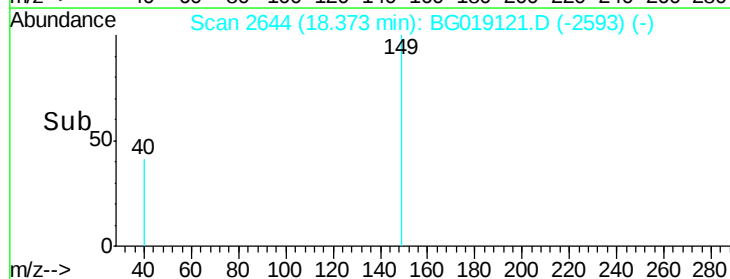
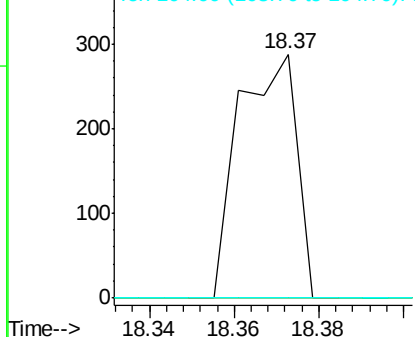


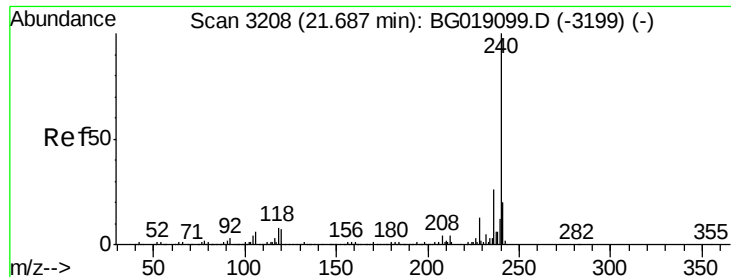
#73
Di-n-butylphthalate
Concen: 0.04 ng
RT: 18.37 min Scan# 2644
Delta R.T. 0.00 min
Lab File: BG019121.D
Acq: 10 Oct 2015 17:27

Tgt Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.5	11.3#
104	0.0	5.0	7.6#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.67 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

Instrument :

BNA_G

ClientSampleId :

PB86017BL

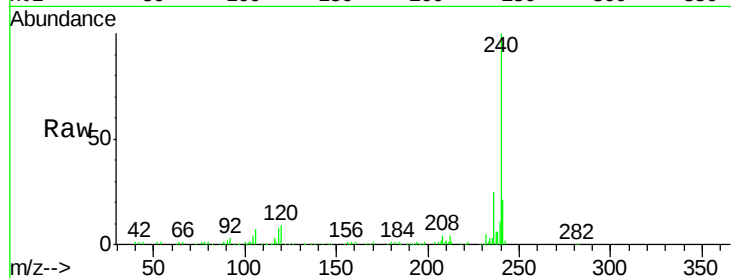
Tot Ion:240 Resp: 154642

Ion Ratio Lower Upper

240 100

120 8.5 5.8 8.6

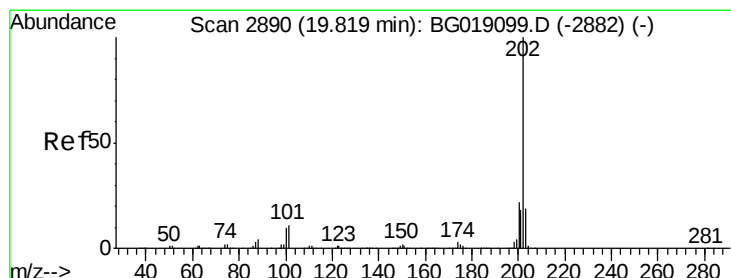
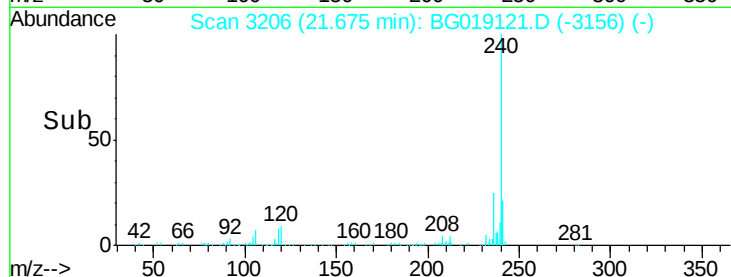
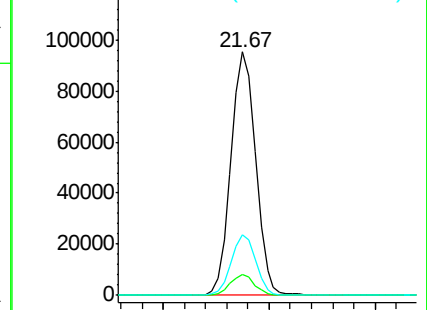
236 24.7 21.2 31.8



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

Pyrene

Concen: 0.23 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.20 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

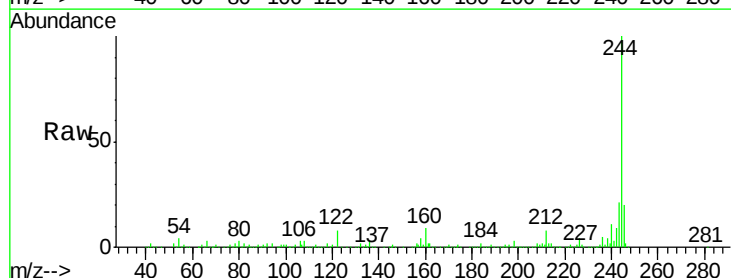
Tgt Ion:202 Resp: 2035

Ion Ratio Lower Upper

202 100

200 58.3 17.4 26.2#

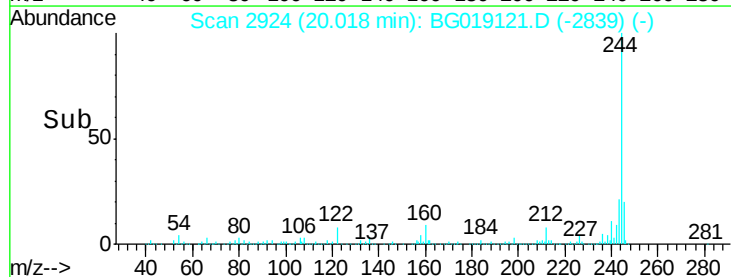
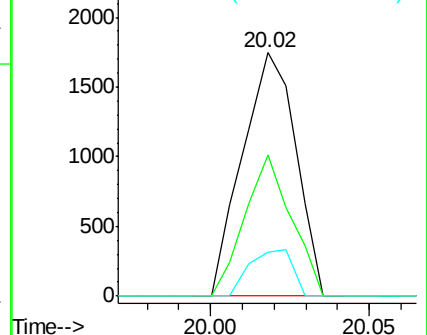
203 18.0 14.8 22.2

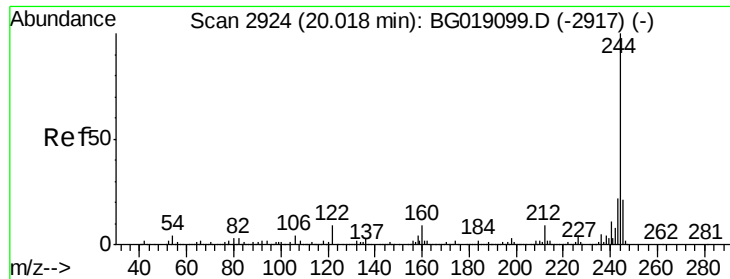


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 92.60 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

Instrument :

BNA_G

ClientSampled :

PB86017BL

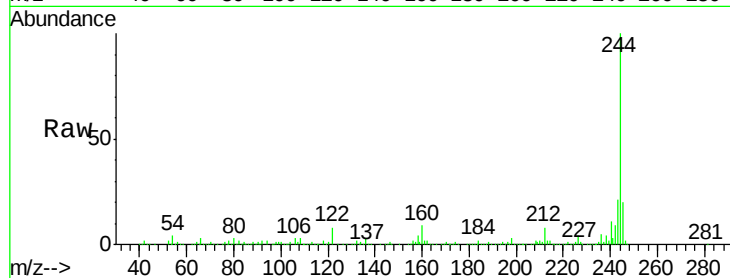
Tot Ion:244 Resp: 542090

Ion Ratio Lower Upper

244 100

212 8.4 6.8 10.2

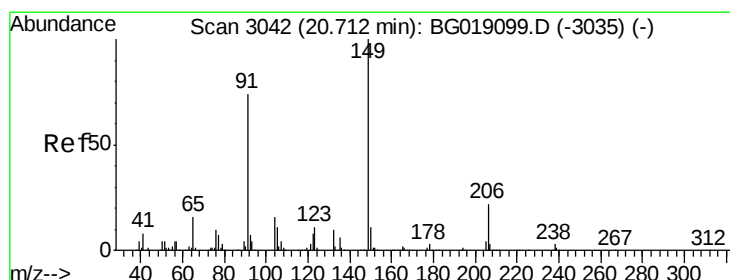
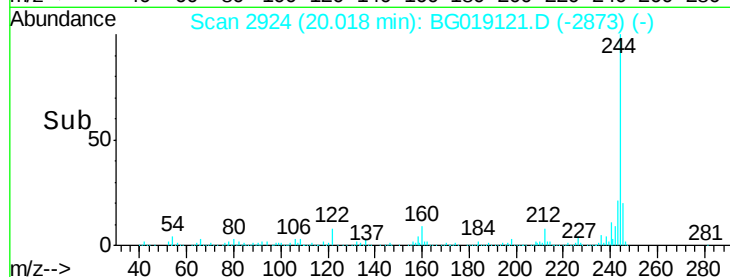
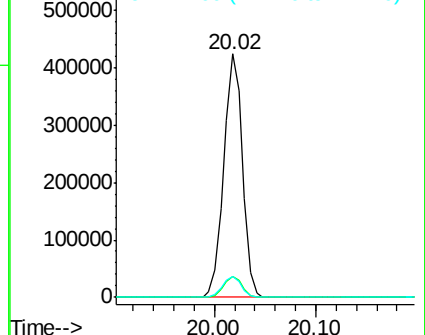
122 8.5 7.4 11.2



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



#79

Butylbenzylphthalate

Concen: 0.02 ng

RT: 20.81 min Scan# 3059

Delta R.T. 0.10 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

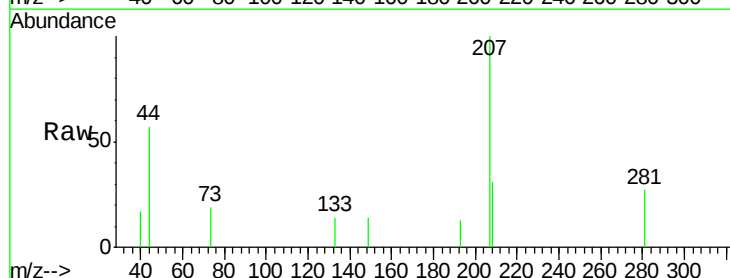
Tgt Ion:149 Resp: 56

Ion Ratio Lower Upper

149 100

91 0.0 59.2 88.8#

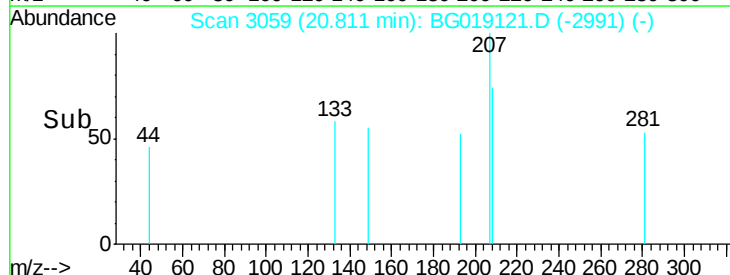
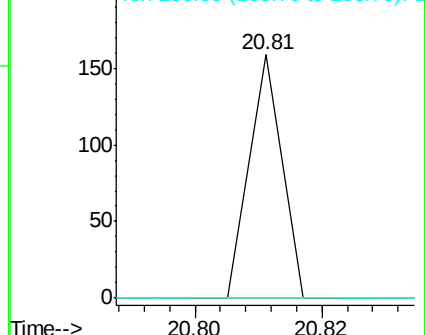
206 0.0 17.5 26.3#

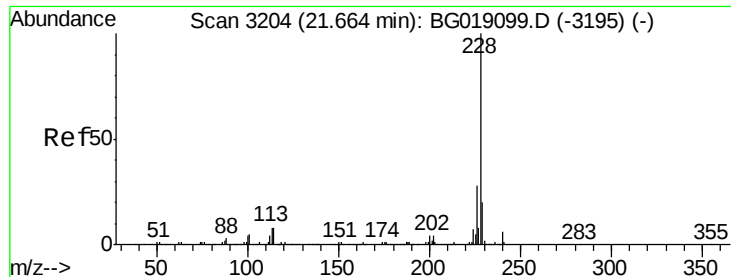


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.06 ng

RT: 21.67 min Scan# 3206

Delta R.T. 0.01 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

Instrument :

BNA_G

ClientSampleId :

PB86017BL

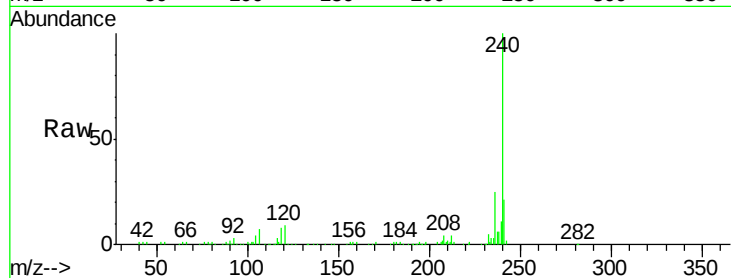
Tot Ion:228 Resp: 531

Ion Ratio Lower Upper

228 100

226 0.0 22.4 33.6#

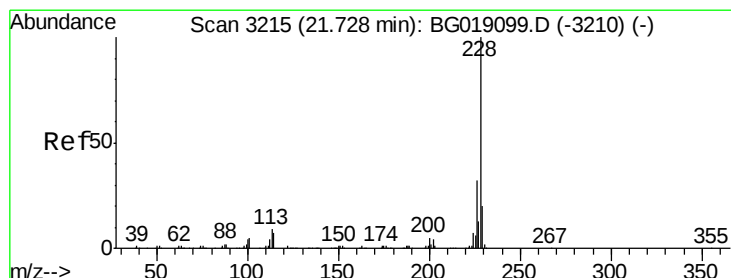
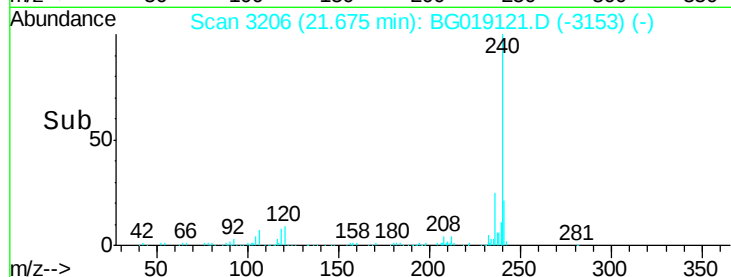
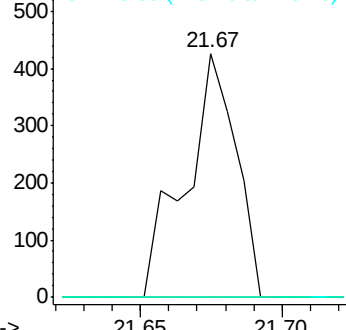
229 0.0 16.2 24.2#



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: 0.07 ng

RT: 21.67 min Scan# 3206

Delta R.T. -0.05 min

Lab File: BG019121.D

Acq: 10 Oct 2015 17:27

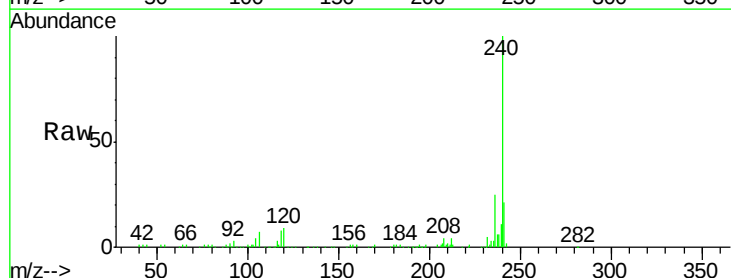
Tgt Ion:228 Resp: 531

Ion Ratio Lower Upper

228 100

226 0.0 25.2 37.8#

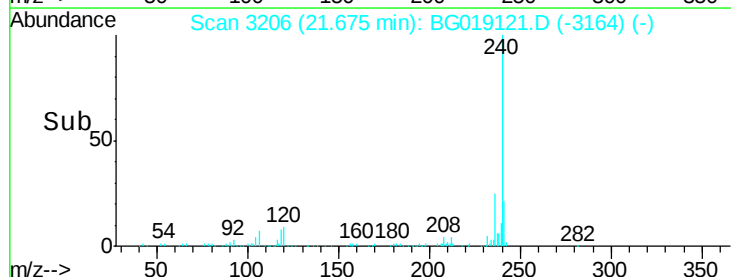
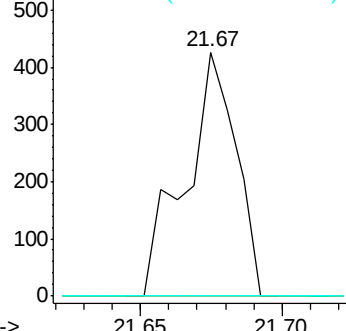
229 0.0 16.3 24.5#

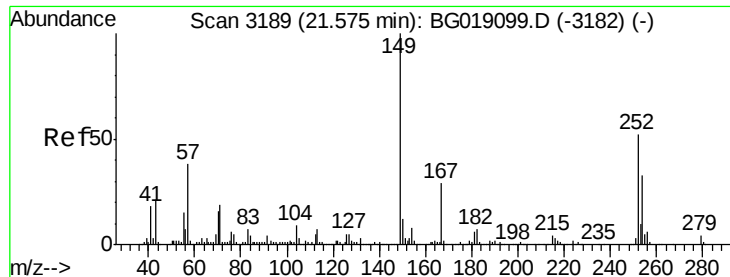


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

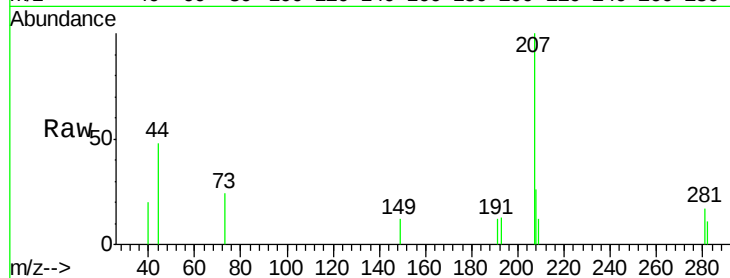




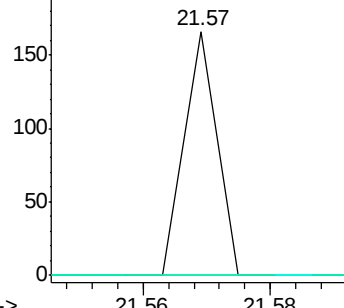
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.01 ng
 RT: 21.57 min Scan# 3188
 Delta R.T. -0.00 min
 Lab File: BG019121.D
 Acq: 10 Oct 2015 17:27

Instrument :
 BNA_G
 ClientSampleId :
 PB86017BL

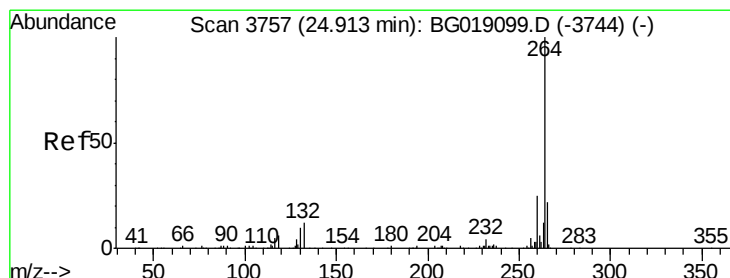
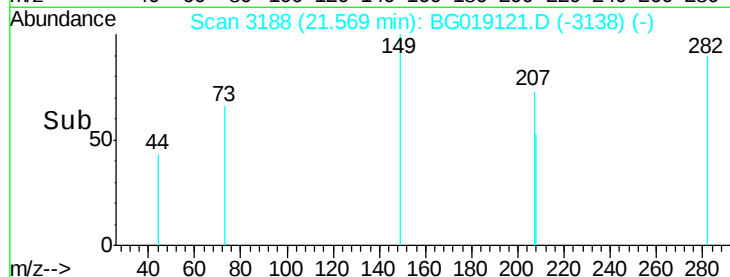
Tot Ion:149 Resp: 59
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.8 34.2#
 279 0.0 3.6 5.4#



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

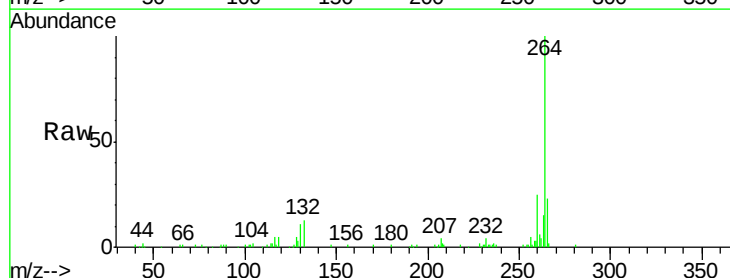


Time-->

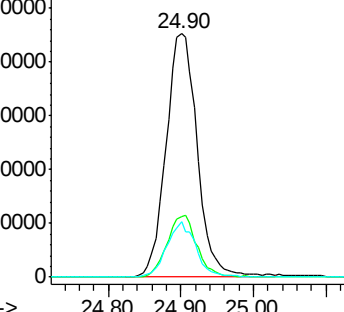


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.90 min Scan# 3755
 Delta R.T. -0.00 min
 Lab File: BG019121.D
 Acq: 10 Oct 2015 17:27

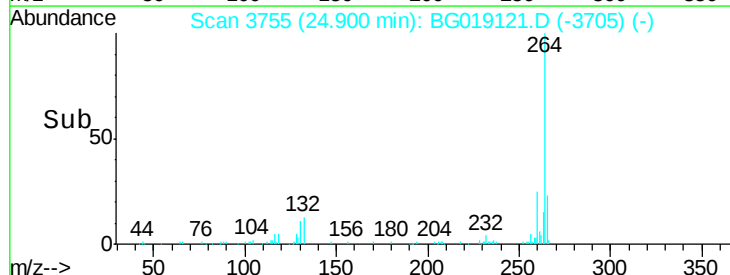
Tgt Ion:264 Resp: 135765
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.1 30.1
 265 22.8 17.2 25.8

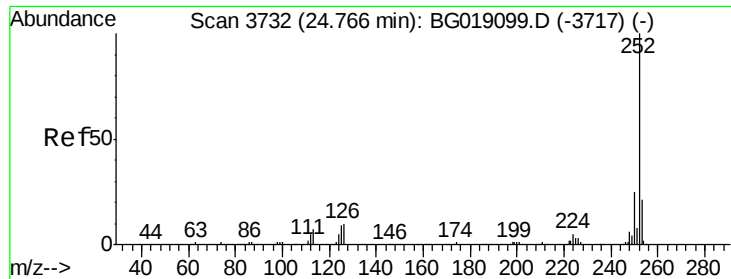


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->





#89

Benzo(a)pyrene

Concen: 0.02 ng

RT: 24.90 min Scan# 3755

Delta R.T. 0.15 min

Lab File: BG019121.D

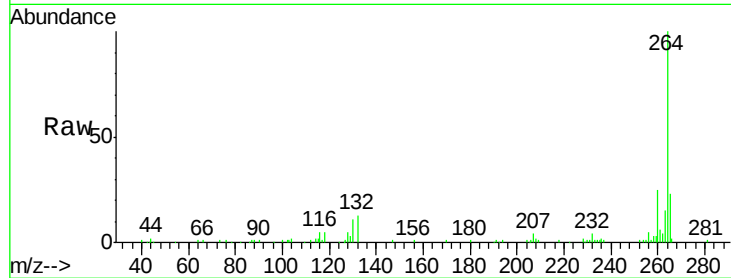
Acq: 10 Oct 2015 17:27

Instrument :

BNA_G

ClientSampleId :

PB86017BL



Tot Ion:	252	Resp:	152
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.0	25.4#
125	0.0	7.2	10.8#

