

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101315\
 Data File : BG019173.D
 Acq On : 13 Oct 2015 00:54
 Operator : UM/NP
 Sample : PB85644BL
 Misc : LOD 1PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB85644BL

Quant Time: Oct 13 04:52:10 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 13 03:45:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	16687	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	74212	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	53649	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	146172	20.00	ng	0.00
75) Chrysene-d12	21.68	240	173502	20.00	ng	0.00
86) Perylene-d12	24.91	264	166203	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	115863	141.37	ng	0.00
7) Phenol-d6	7.20	99	174107	138.29	ng	0.00
23) Nitrobenzene-d5	9.19	82	117943	87.81	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	95478	130.60	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	290745	83.33	ng	0.00
78) Terphenyl-d14	20.02	244	552743	84.15	ng	0.00

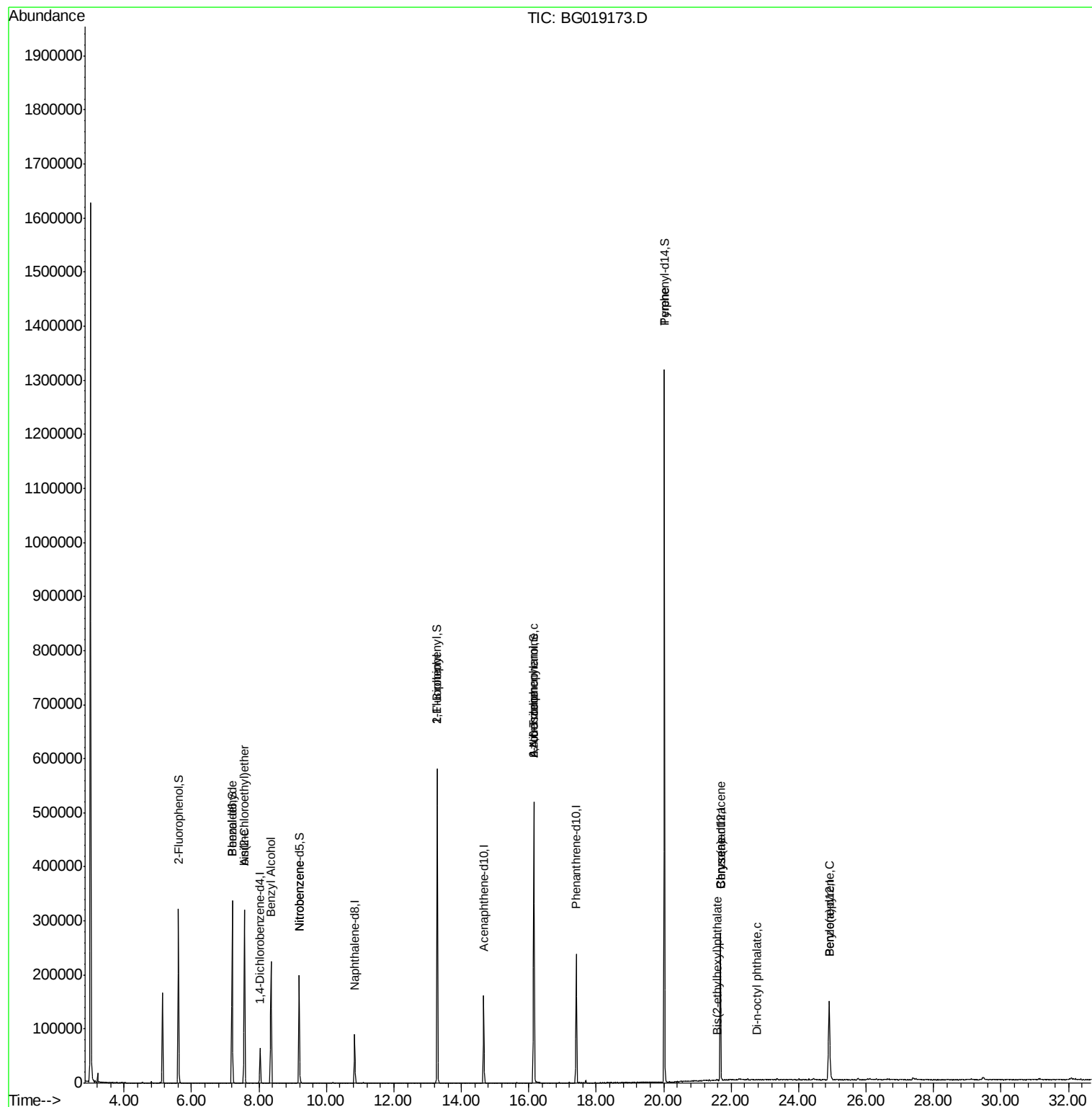
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.57	93	145	0.09	ng	# 1
9) Benzaldehyde	7.20	77	227	0.29	ng	# 3
11) bis(2-Chloroethyl)ether	7.57	93	145	0.15	ng	# 1
15) Benzyl Alcohol	8.35	79	1979	1.76	ng	# 52
24) Nitrobenzene	9.19	77	362	0.25	ng	# 43
45) 1,1'-Biphenyl	13.28	154	657	0.17	ng	# 1
62) Azobenzene	16.15	77	619	0.15	ng	# 1
65) n-Nitrosodiphenylamine	16.15	169	3221	0.80	ng	# 44
77) Pyrene	20.02	202	2192	0.23	ng	# 59
80) Benzo(a)anthracene	21.67	228	480	0.05	ng	# 51
82) Chrysene	21.67	228	480	0.05	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.57	149	372	0.07	ng	# 52
84) Di-n-octyl phthalate	22.77	149	71	0.01	ng	# 71
89) Benzo(a)pyrene	24.90	252	456	0.05	ng	# 40

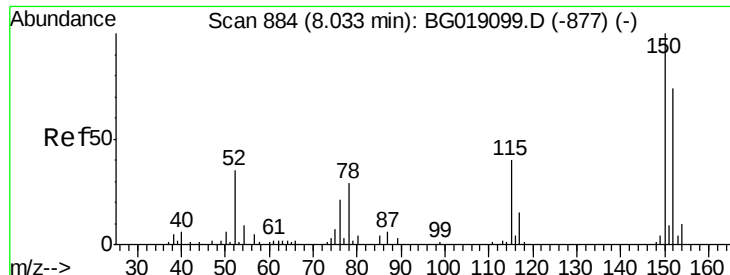
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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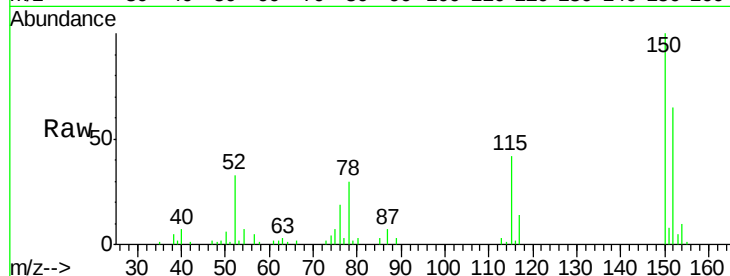


#1

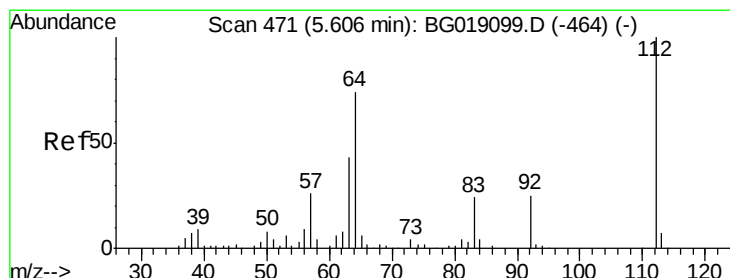
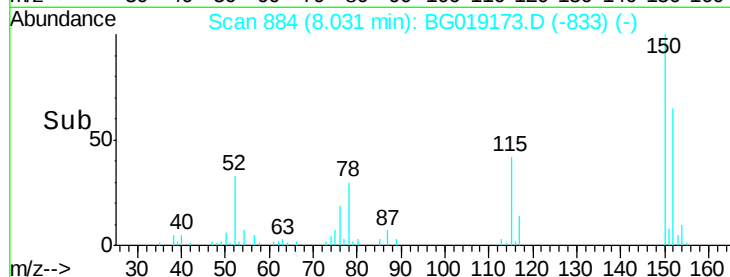
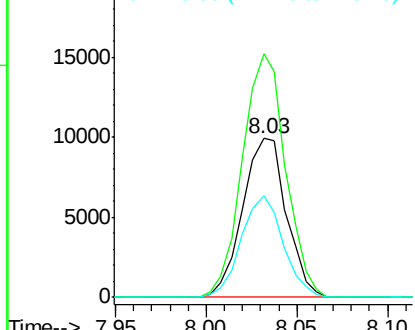
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 884
Delta R.T. -0.00 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Instrument :
BNA_G
ClientSampleId :
PB85644BL

Tot Ion:152 Resp: 16687
Ion Ratio Lower Upper
152 100
150 153.5 108.2 162.2
115 64.2 43.2 64.8



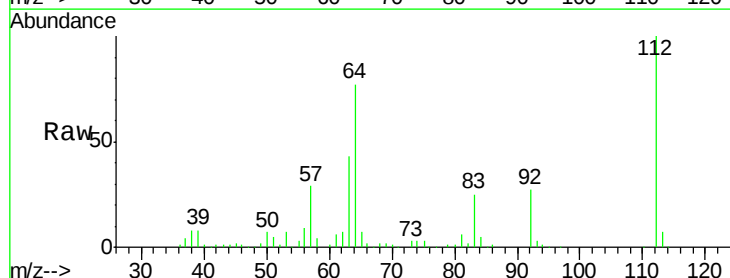
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



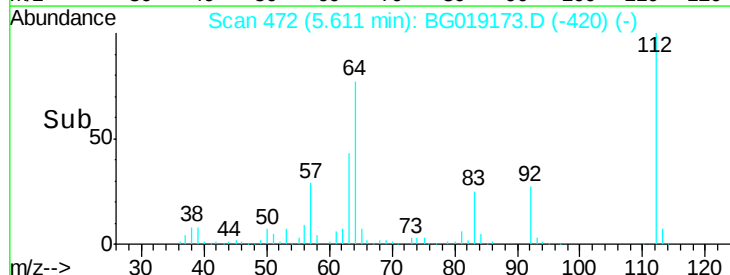
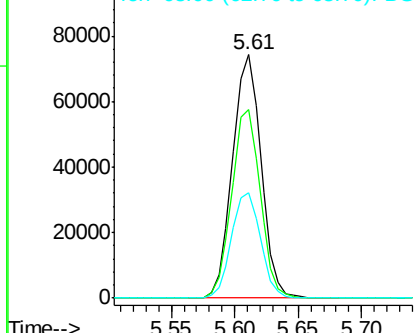
#5

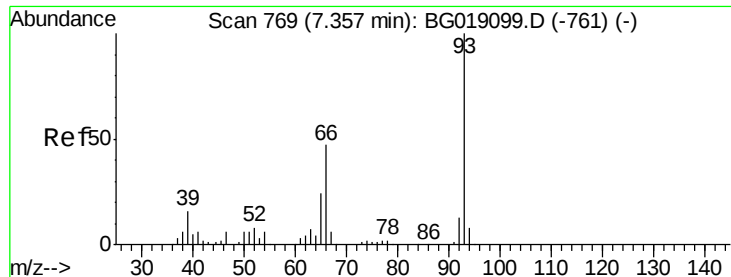
2-Fluorophenol
Concen: 141.37 ng
RT: 5.61 min Scan# 472
Delta R.T. 0.00 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Tgt Ion:112 Resp: 115863
Ion Ratio Lower Upper
112 100
64 77.5 59.0 88.4
63 43.2 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: 0.09 ng

RT: 7.57 min Scan# 805

Delta R.T. 0.20 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

Instrument :

BNA_G

ClientSampled :

PB85644BL

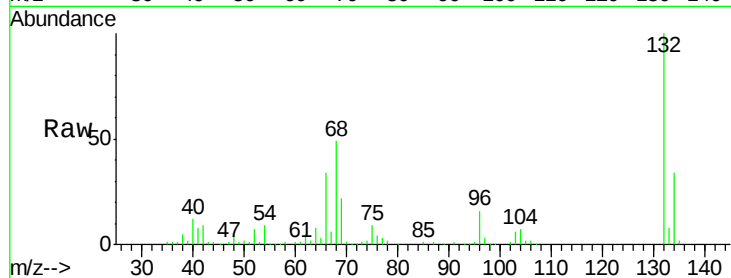
Tot Ion: 93 Resp: 145

Ion Ratio Lower Upper

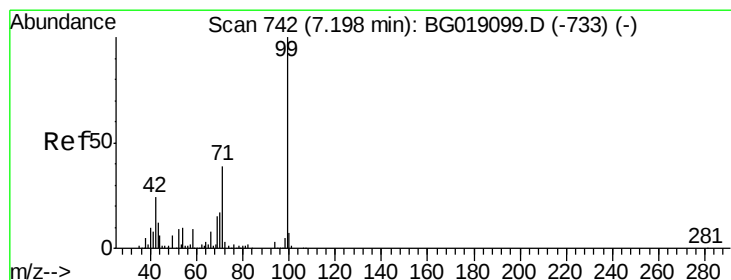
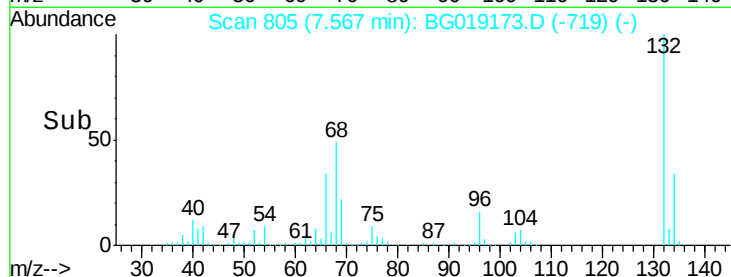
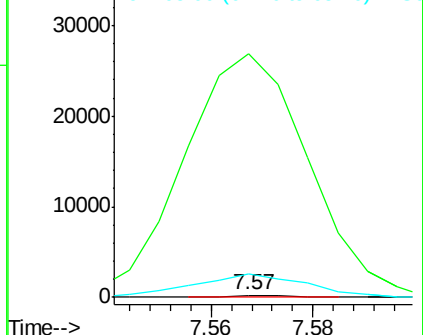
93 100

66 11480.3 37.4 56.2#

65 1095.7 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: 138.29 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.00 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

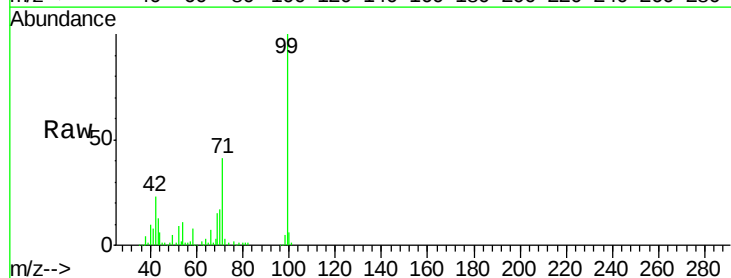
Tgt Ion: 99 Resp: 174107

Ion Ratio Lower Upper

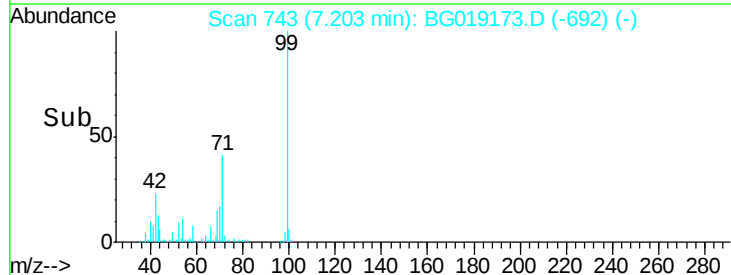
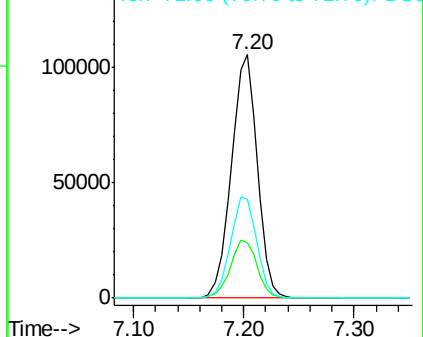
99 100

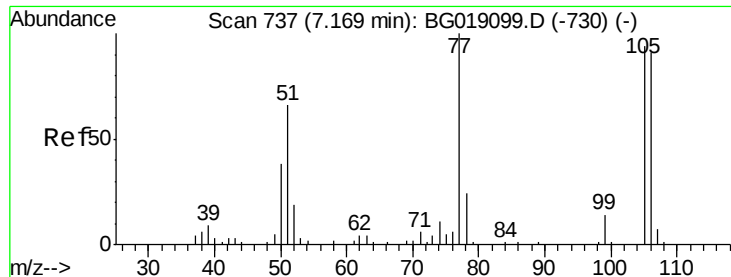
42 23.0 19.5 29.3

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: 0.29 ng

RT: 7.20 min Scan# 742

Delta R.T. 0.03 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

Instrument :

BNA_G

ClientSampleID :

PB85644BL

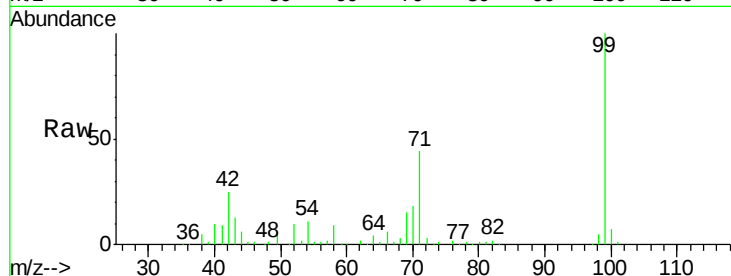
Tot Ion: 77 Resp: 227

Ion Ratio Lower Upper

77 100

105 0.0 73.7 113.7#

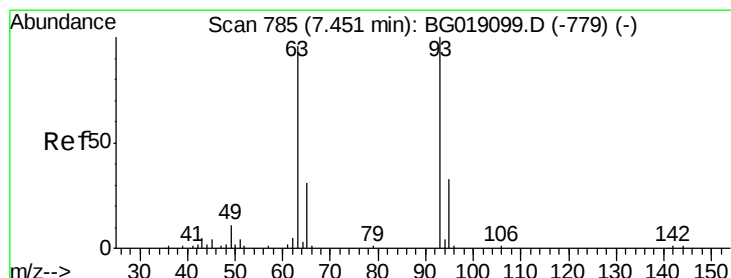
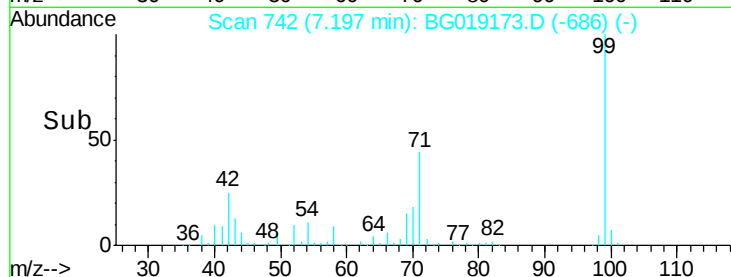
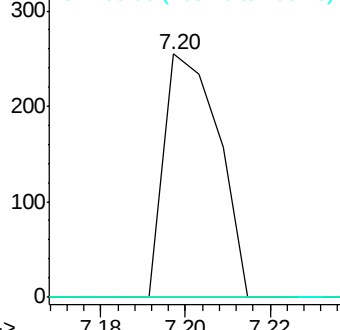
106 0.0 71.0 111.0#



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: 0.15 ng

RT: 7.57 min Scan# 805

Delta R.T. 0.12 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

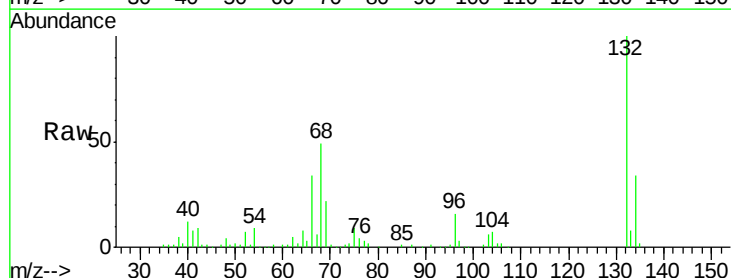
Tgt Ion: 93 Resp: 145

Ion Ratio Lower Upper

93 100

63 585.5 75.3 115.3#

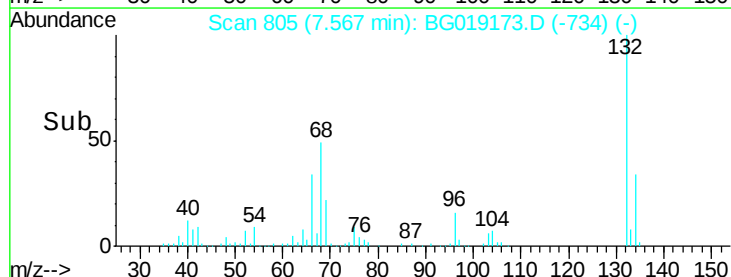
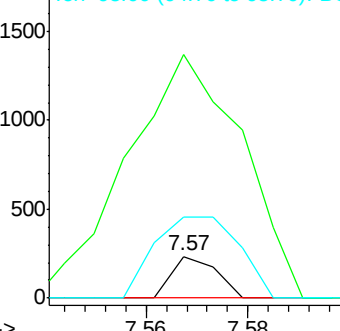
95 194.0 12.9 52.9#

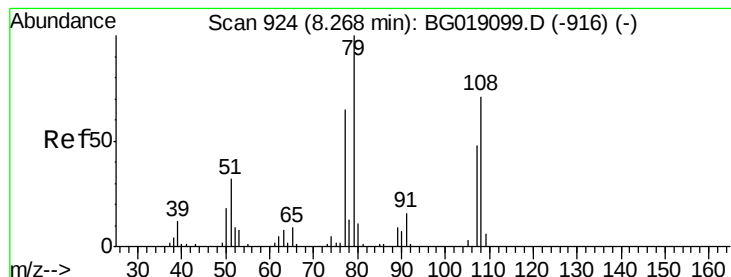


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.76 ng

RT: 8.35 min Scan# 938

Delta R.T. 0.08 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

Instrument :

BNA_G

ClientSampleId :

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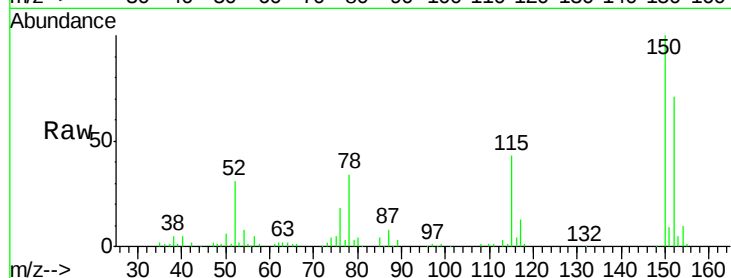
Tot Ion: 79 Resp: 1979

Ion Ratio Lower Upper

79 100

108 33.1 56.6 84.8#

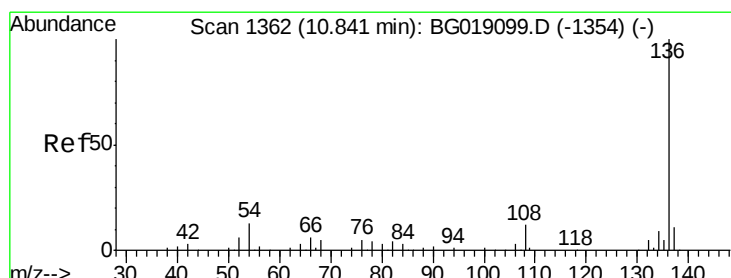
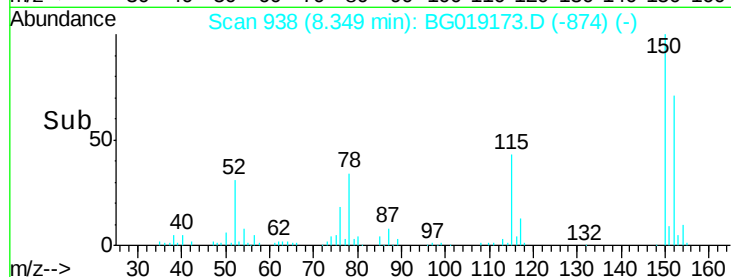
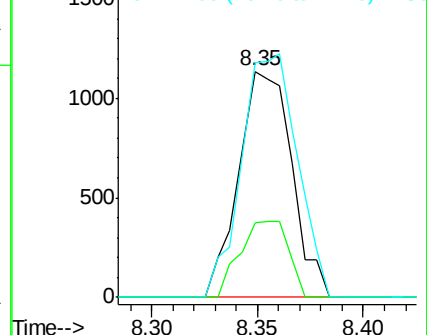
77 103.9 51.6 77.4#



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: BG019173.D

Acq: 13 Oct 2015 00:54

Tgt Ion: 136 Resp: 74212

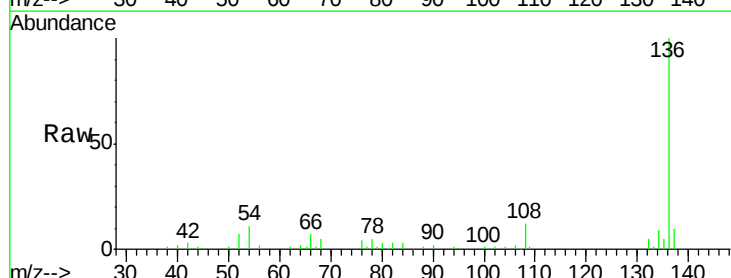
Ion Ratio Lower Upper

136 100

137 10.0 9.0 13.4

54 11.0 10.1 15.1

68 5.2 4.4 6.6

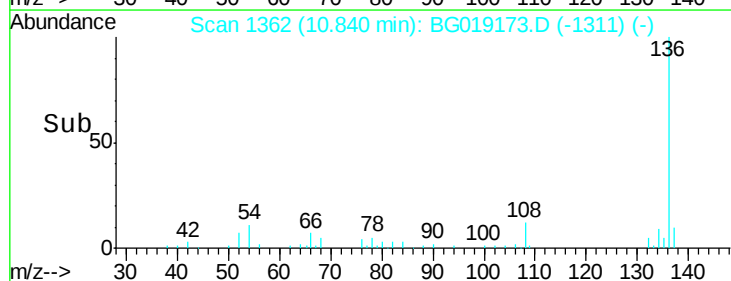
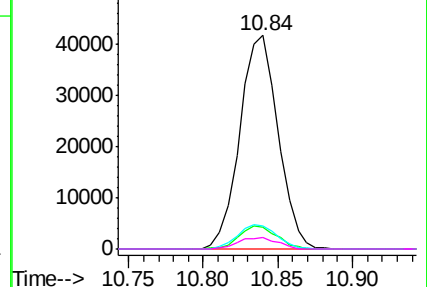


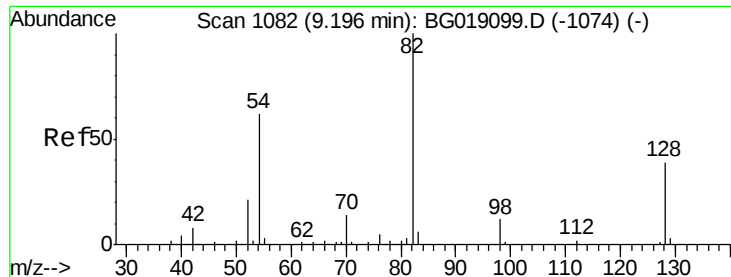
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

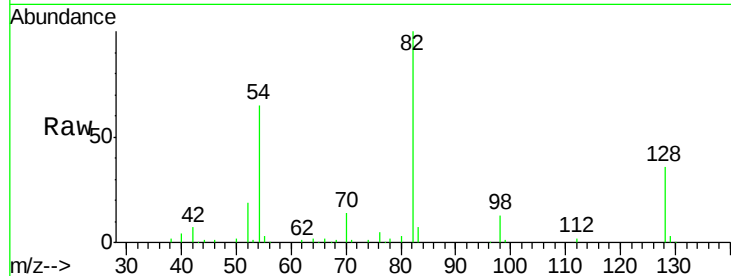




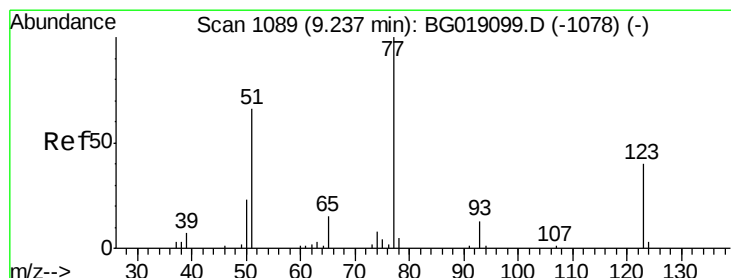
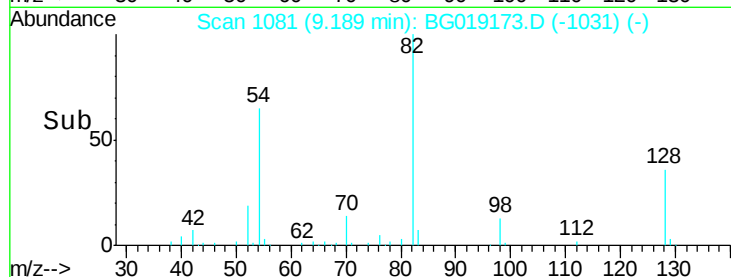
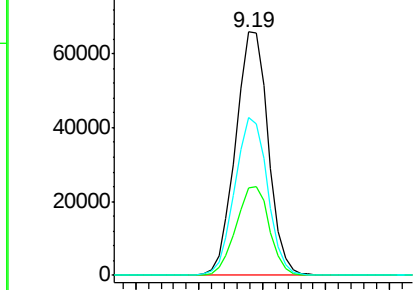
#23
Nitrobenzene-d5
Concen: 87.81 ng
RT: 9.19 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Instrument :
BNA_G
ClientSampleId :
PB85644BL

Tot Ion: 82 Resp: 117943
Ion Ratio Lower Upper
82 100
128 35.7 31.4 47.2
54 65.1 50.0 75.0

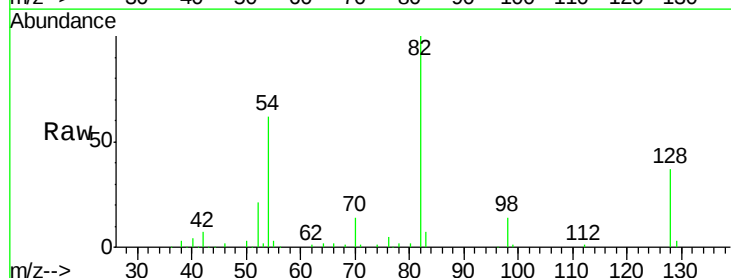


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

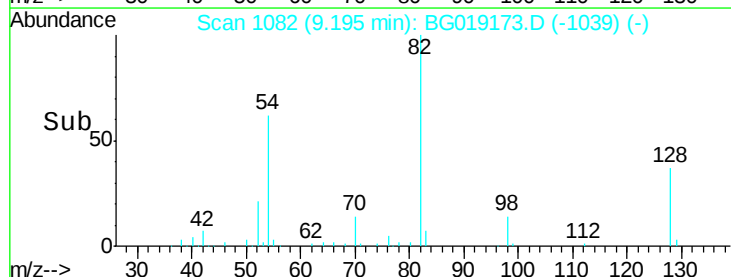
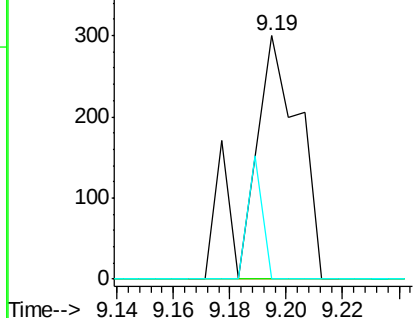


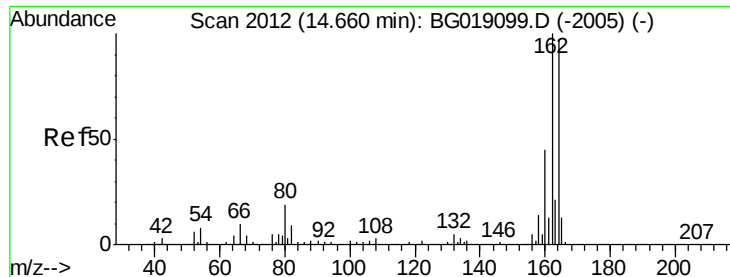
#24
Nitrobenzene
Concen: 0.25 ng
RT: 9.19 min Scan# 1082
Delta R.T. -0.05 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Tgt Ion: 77 Resp: 362
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# 2012

Delta R.T. -0.01 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

Instrument :

BNA_G

ClientSampleId :

PB85644BL

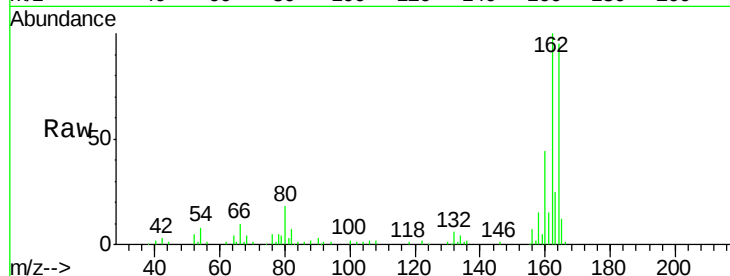
Tot Ion:164 Resp: 53649

Ion Ratio Lower Upper

164 100

162 104.7 82.6 124.0

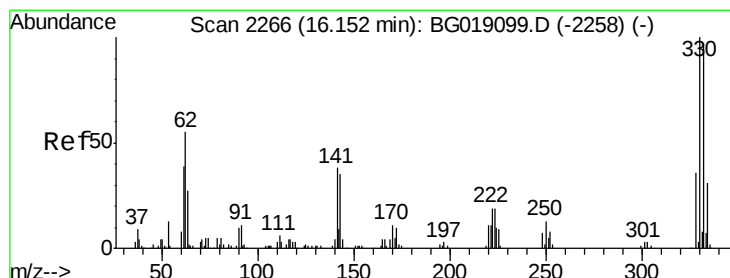
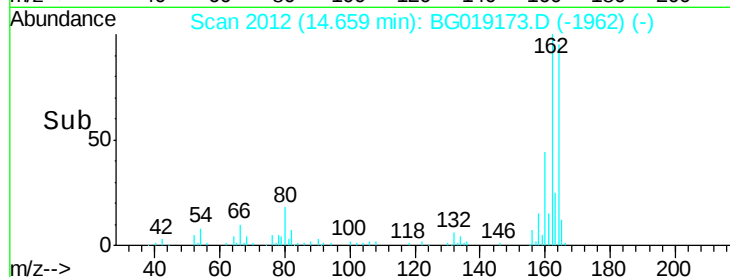
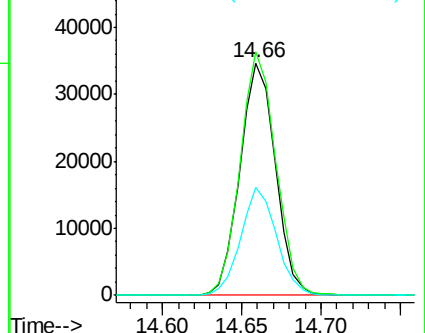
160 46.2 36.9 55.3



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: 130.60 ng

RT: 16.15 min Scan# 2266

Delta R.T. -0.00 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

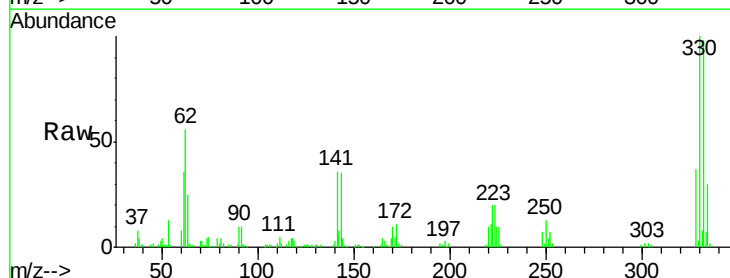
Tgt Ion:330 Resp: 95478

Ion Ratio Lower Upper

330 100

332 98.1 77.3 115.9

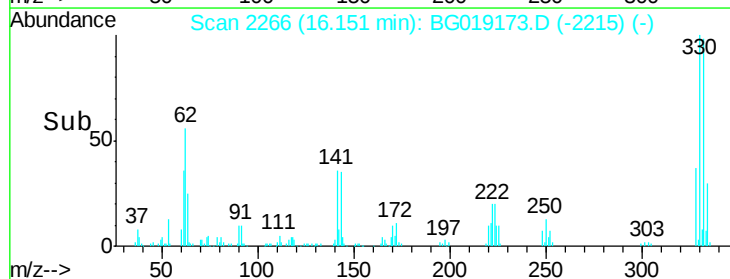
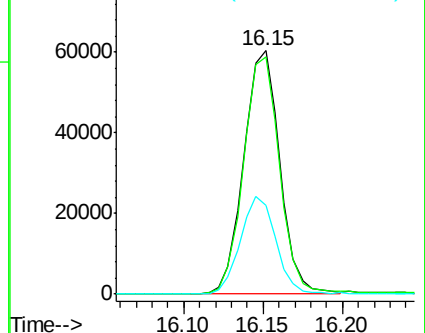
141 39.8 30.7 46.1

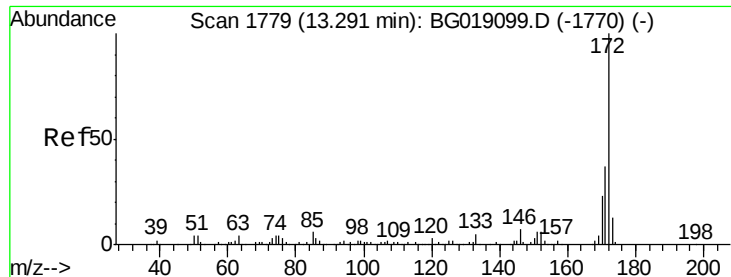


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

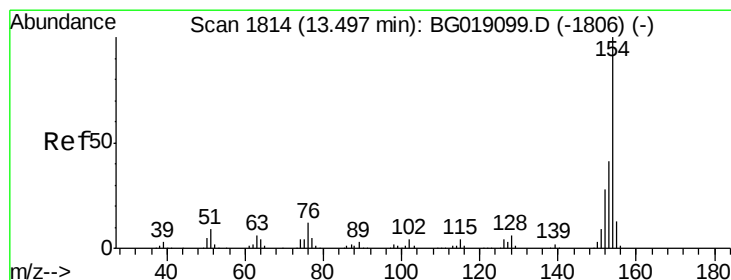
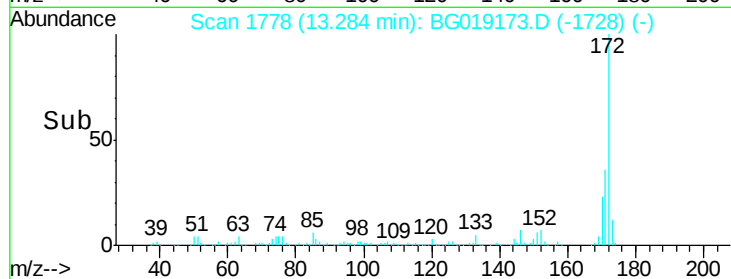
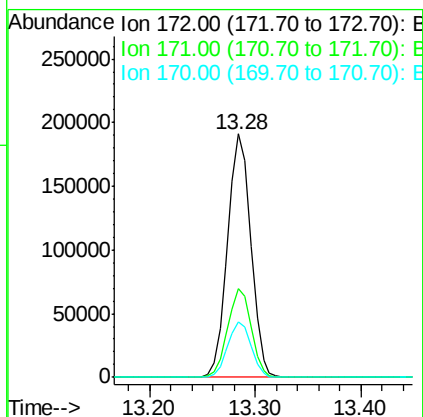
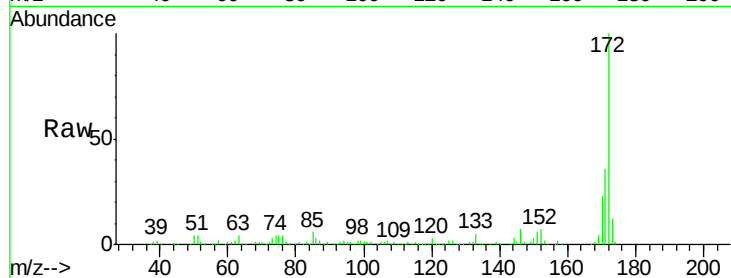




#44
2-Fluorobiphenyl
Concen: 83.33 ng
RT: 13.28 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

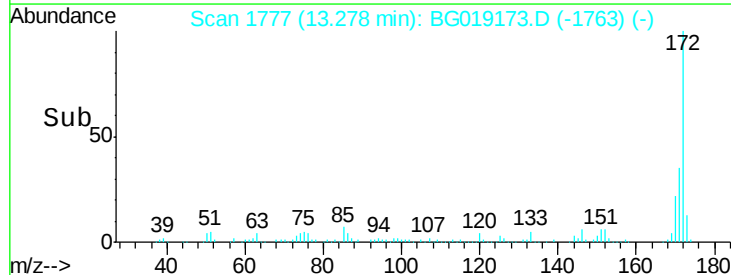
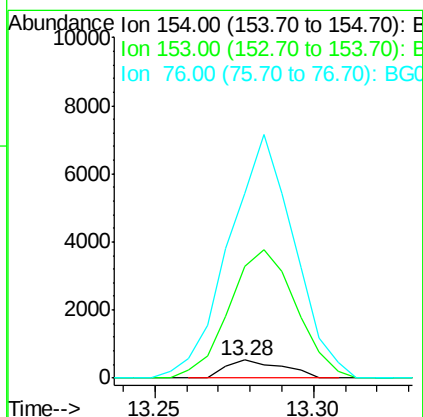
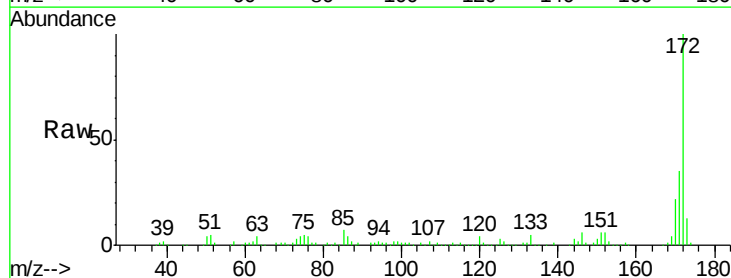
Instrument :
BNA_G
ClientSampleId :
PB85644BL

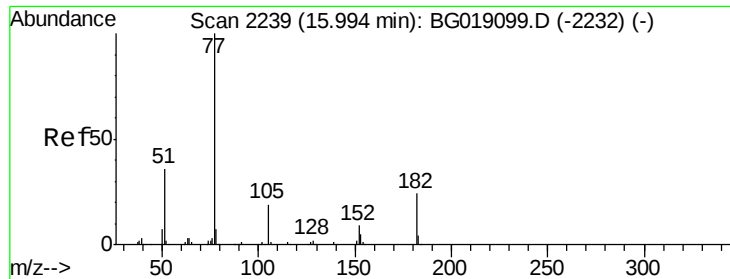
Tot Ion:172 Resp: 290745
Ion Ratio Lower Upper
172 100
171 36.3 29.9 44.9
170 22.9 18.6 27.8



#45
1,1'-Biphenyl
Concen: 0.17 ng
RT: 13.28 min Scan# 1777
Delta R.T. -0.22 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Tgt Ion:154 Resp: 657
Ion Ratio Lower Upper
154 100
153 618.4 20.6 60.6#
76 1014.0 0.0 32.2#

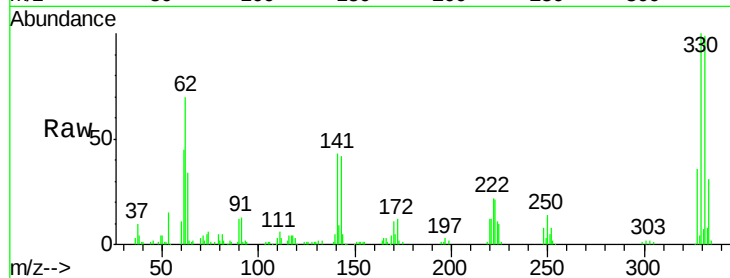




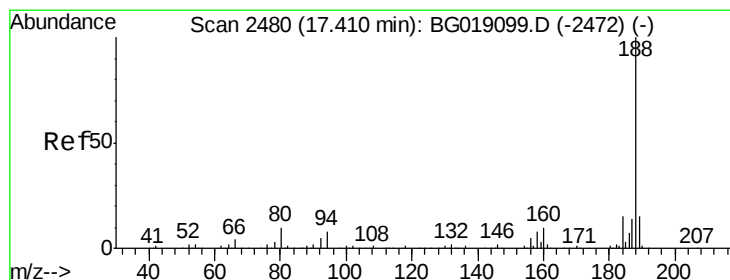
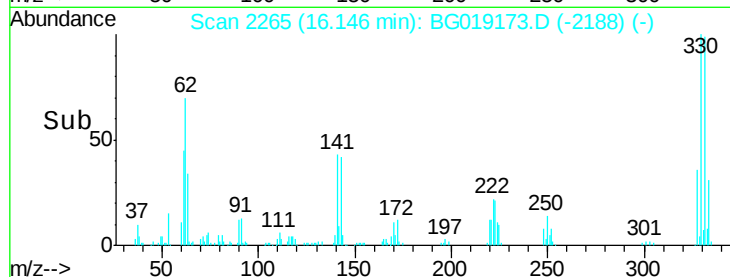
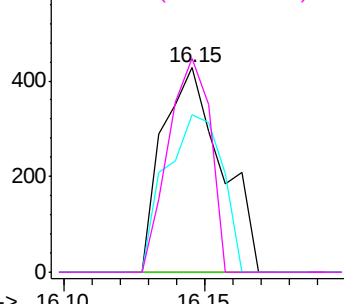
#62
Azobenzene
Concen: 0.15 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.15 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Instrument :
BNA_G
ClientSampleId :
PB85644BL

Tot Ion: 77 Resp: 619
Ion Ratio Lower Upper
77 100
182 0.0 4.4 44.4#
105 77.3 0.0 39.1#
51 104.4 15.9 55.9#

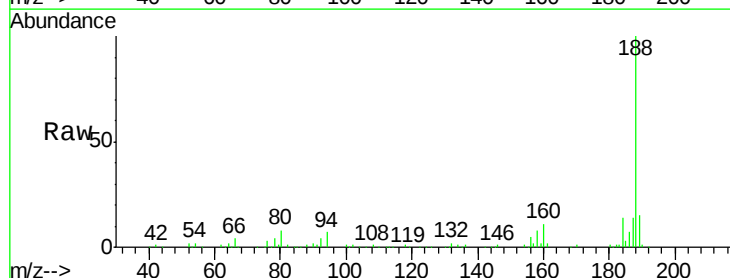


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

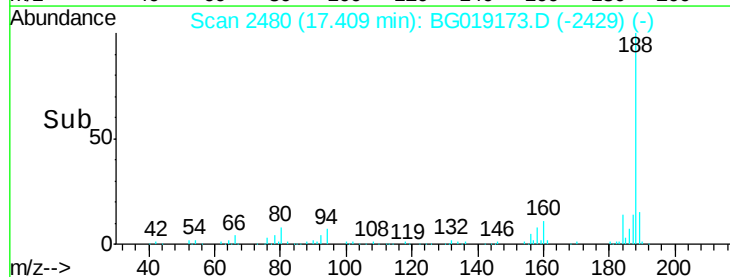
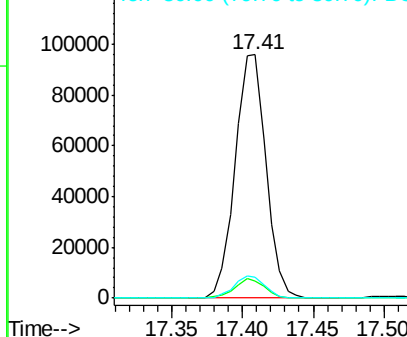


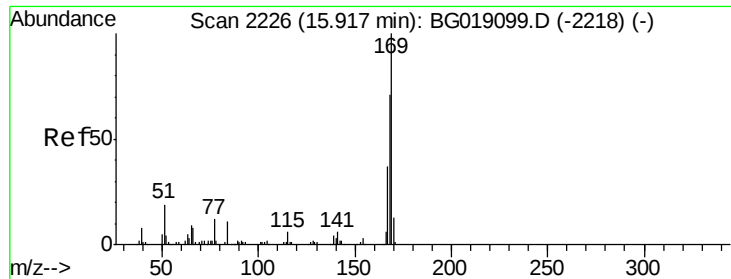
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.41 min Scan# 2480
Delta R.T. -0.00 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Tgt Ion: 188 Resp: 146172
Ion Ratio Lower Upper
188 100
94 7.3 6.4 9.6
80 8.3 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

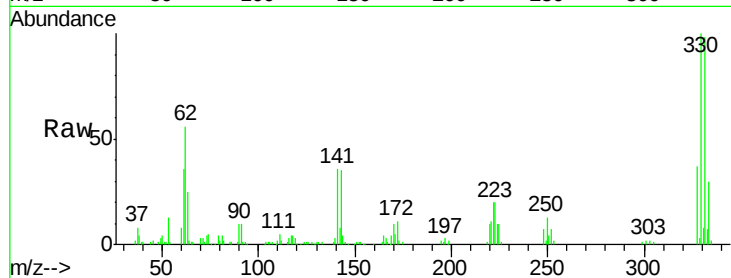




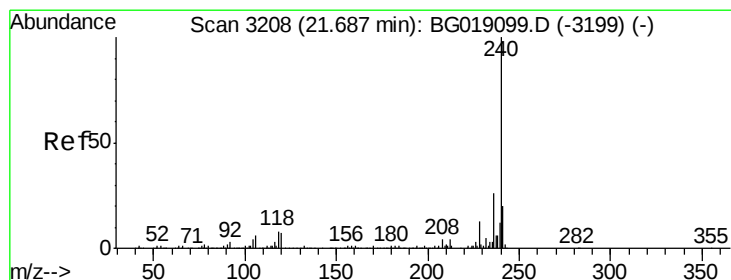
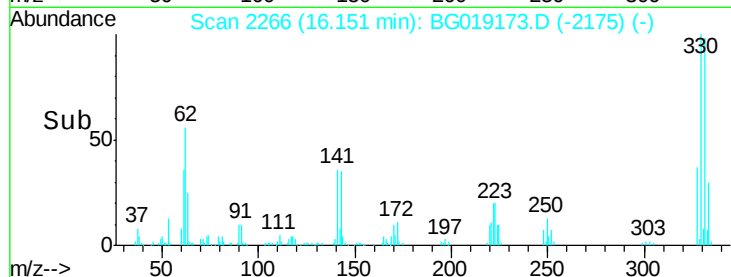
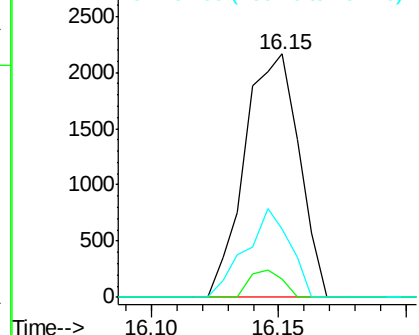
#65
 n-Nitrosodiphenylamine
 Concen: 0.80 ng
 RT: 16.15 min Scan# 2266
 Delta R.T. 0.23 min
 Lab File: BG019173.D
 Acq: 13 Oct 2015 00:54

Instrument :
 BNA_G
 ClientSampleId :
 PB85644BL

Tot Ion	Ratio	Lower	Upper
169	100		
168	7.5	56.6	84.8#
167	27.9	30.0	45.0#

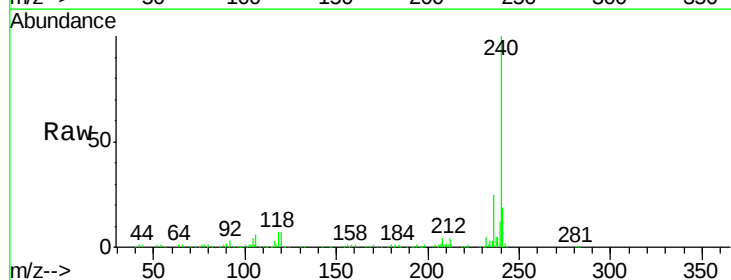


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

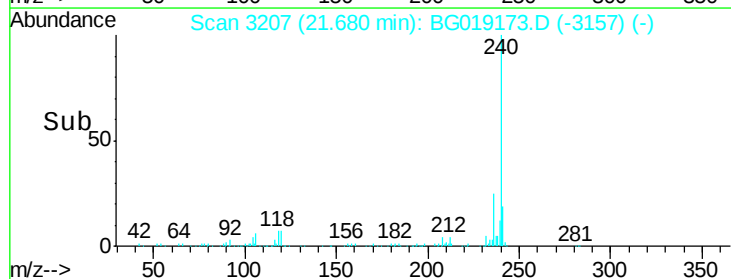
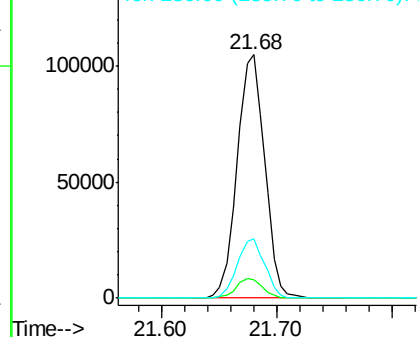


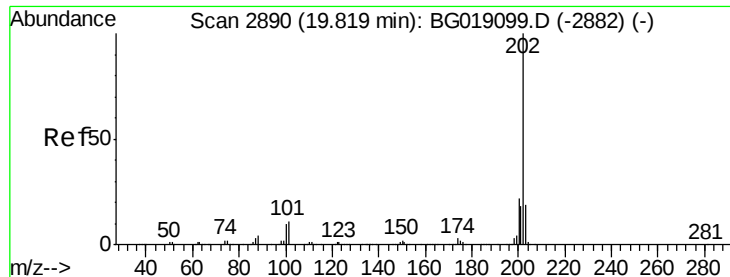
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3207
 Delta R.T. -0.01 min
 Lab File: BG019173.D
 Acq: 13 Oct 2015 00:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	5.8	8.6
236	24.6	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: 0.23 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.19 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

Instrument :

BNA_G

ClientSampleId :

PB85644BL

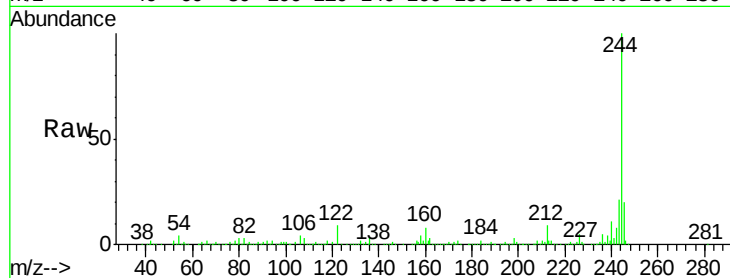
Tot Ion:202 Resp: 2192

Ion Ratio Lower Upper

202 100

200 54.2 17.4 26.2#

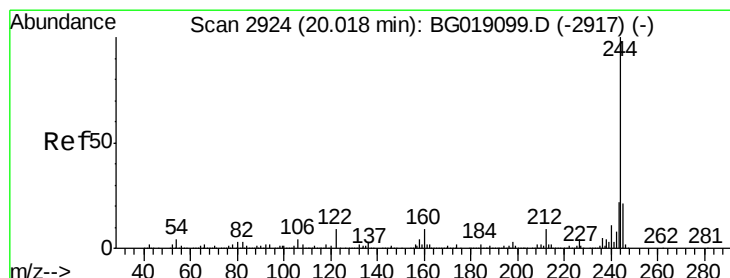
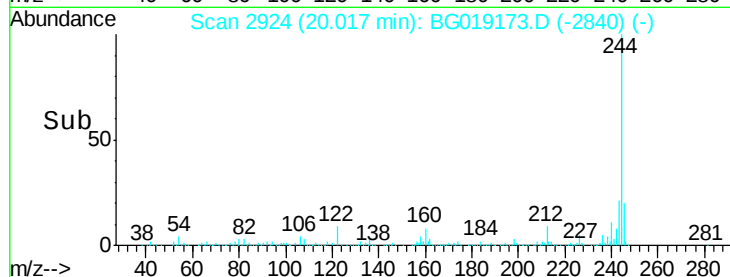
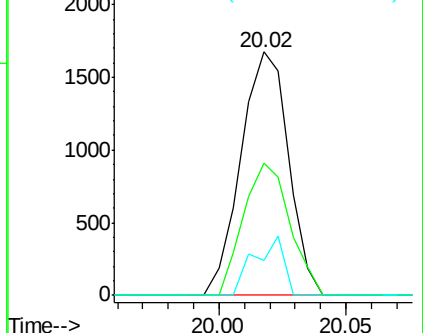
203 14.4 14.8 22.2#



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: 84.15 ng

RT: 20.02 min Scan# 2924

Delta R.T. -0.01 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

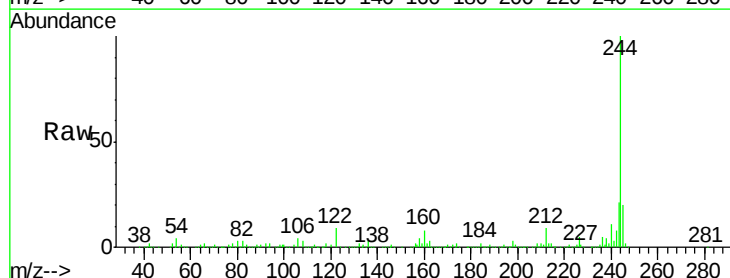
Tgt Ion:244 Resp: 552743

Ion Ratio Lower Upper

244 100

212 8.6 6.8 10.2

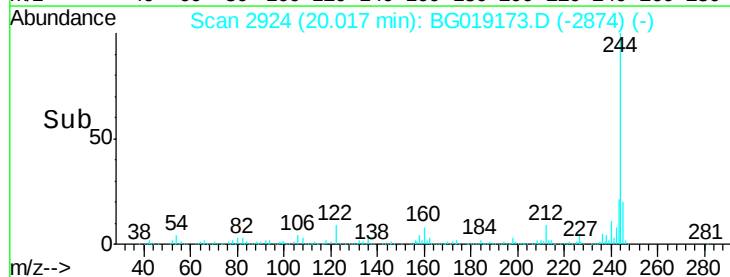
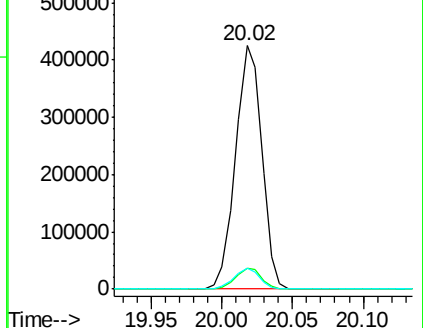
122 8.7 7.4 11.2

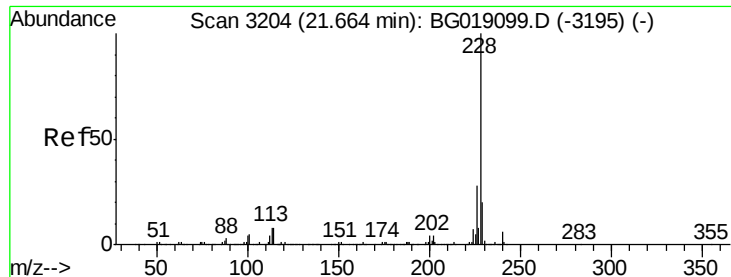


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

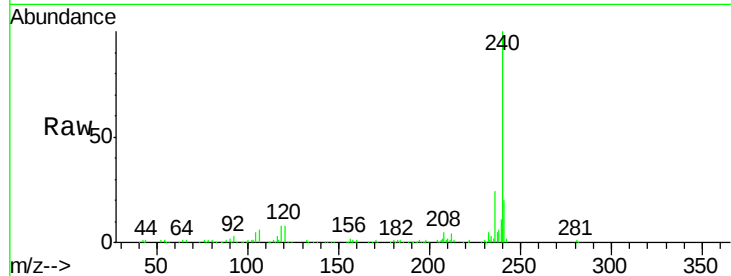




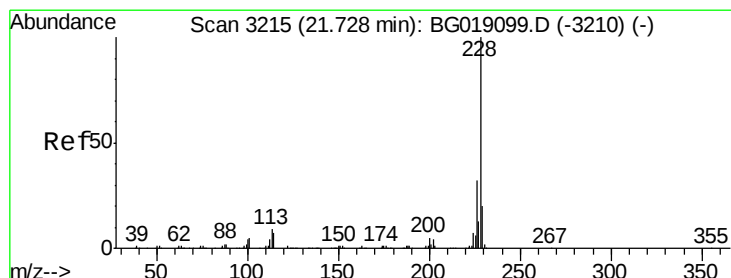
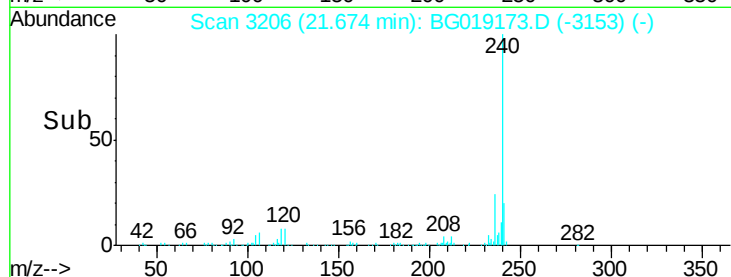
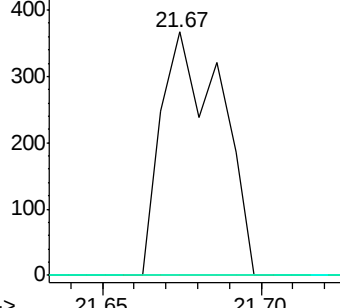
#80
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.67 min Scan# 3206
Delta R.T. 0.01 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Instrument :
BNA_G
ClientSampleId :
PB85644BL

Tot Ion:228 Resp: 480
Ion Ratio Lower Upper
228 100
226 0.0 22.4 33.6#
229 0.0 16.2 24.2#

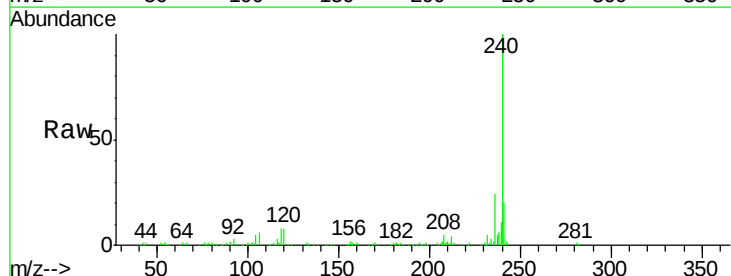


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

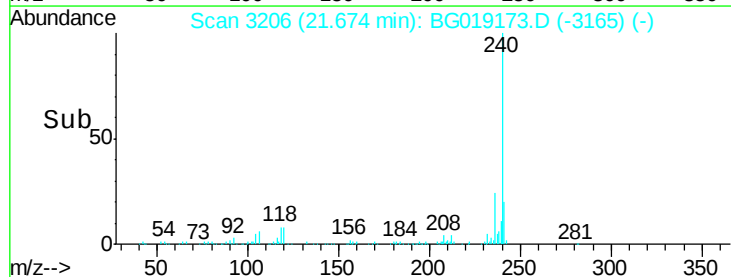
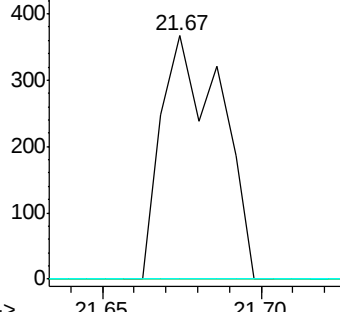


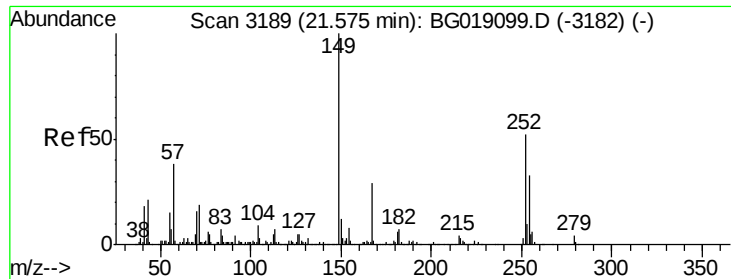
#82
Chrysene
Concen: 0.05 ng
RT: 21.67 min Scan# 3206
Delta R.T. -0.06 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Tgt Ion:228 Resp: 480
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: 0.07 ng

RT: 21.57 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

Instrument :

BNA_G

ClientSampleId :

PB85644BL

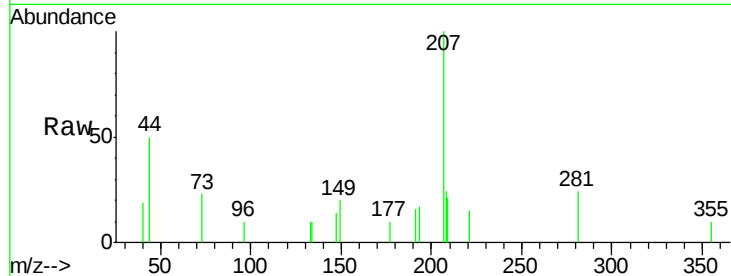
Tot Ion:149 Resp: 372

Ion Ratio Lower Upper

149 100

167 0.0 22.8 34.2#

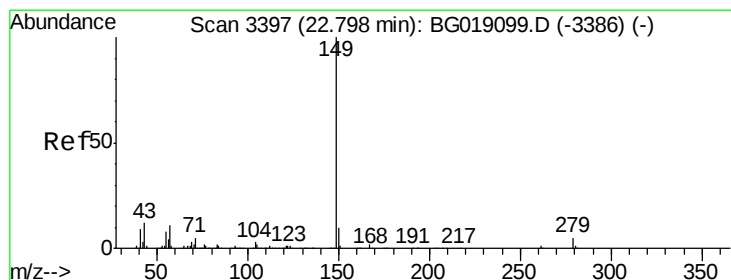
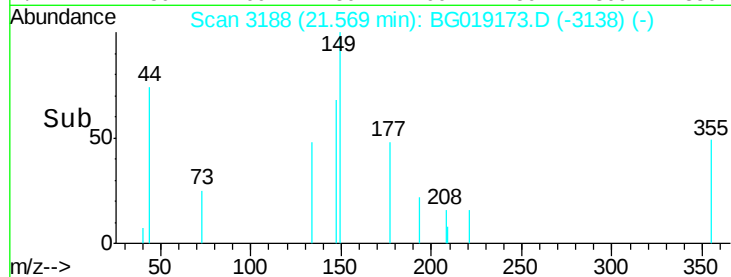
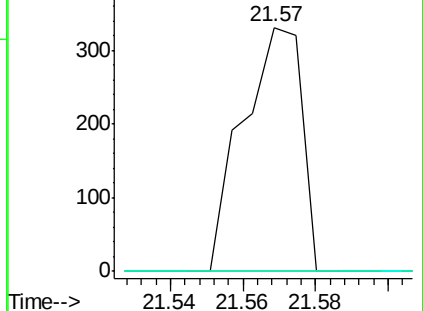
279 0.0 3.6 5.4#



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: 22.77 min Scan# 3392

Delta R.T. -0.02 min

Lab File: BG019173.D

Acq: 13 Oct 2015 00:54

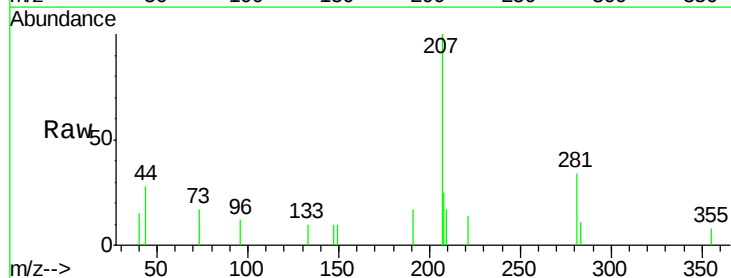
Tgt Ion:149 Resp: 71

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

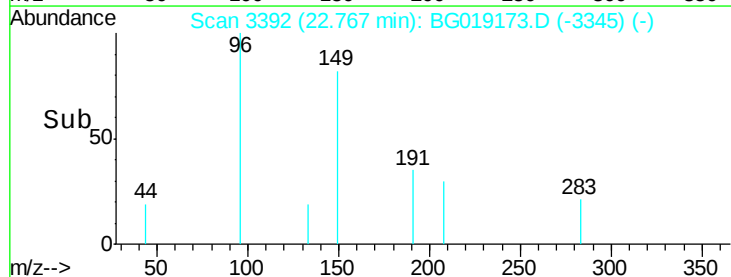
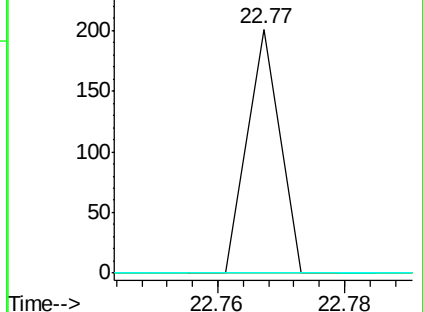
43 0.0 10.1 15.1#

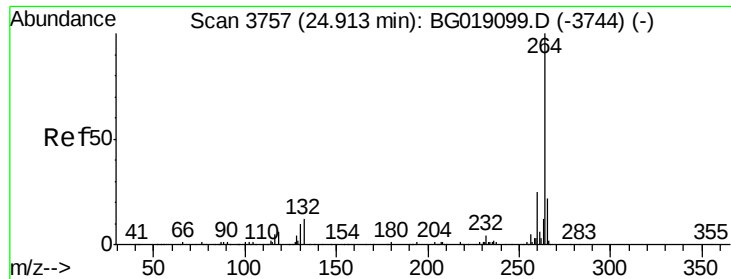


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

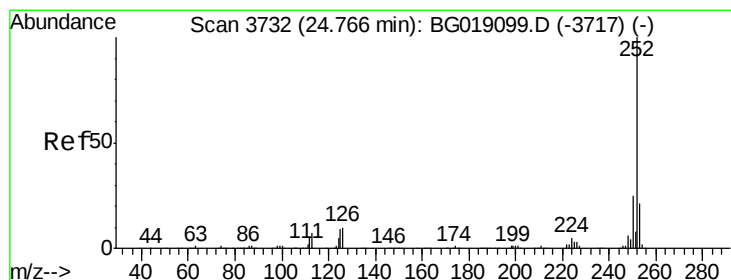
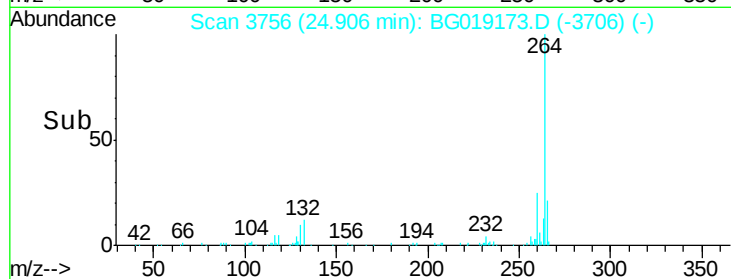
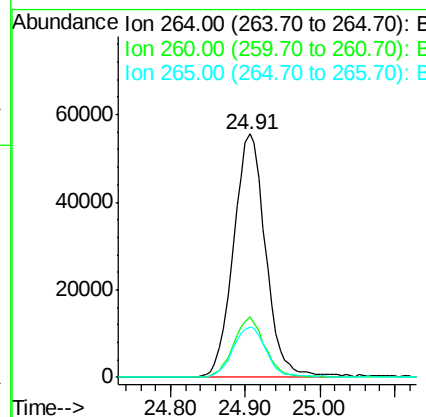
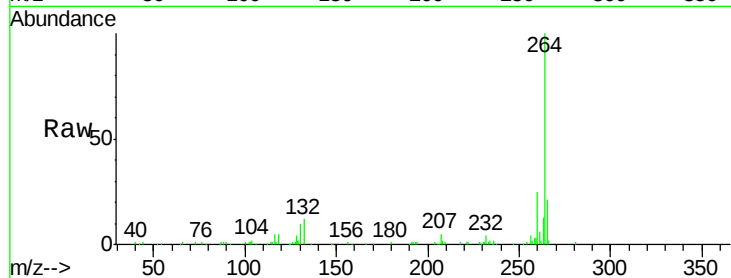




#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.91 min Scan# 3756
Delta R.T. -0.01 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Instrument :
BNA_G
ClientSampleId :
PB85644BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.1	30.1
265	20.8	17.2	25.8



#89
Benzo(a)pyrene
Concen: 0.05 ng
RT: 24.90 min Scan# 3755
Delta R.T. 0.13 min
Lab File: BG019173.D
Acq: 13 Oct 2015 00:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	56.1	17.0	25.4#
125	0.0	7.2	10.8#

