

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
 Data File : BG019115.D
 Acq On : 10 Oct 2015 13:39
 Operator : UM/NP
 Sample : PB86035TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB86035TB

Quant Time: Oct 12 06:33:36 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	16888	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	70678	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	49909	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	139961	20.00	ng	0.00
75) Chrysene-d12	21.68	240	182987	20.00	ng	0.00
86) Perylene-d12	24.90	264	175193	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	110557	133.29	ng	0.00
7) Phenol-d6	7.19	99	163630	128.42	ng	0.00
23) Nitrobenzene-d5	9.19	82	108198	84.59	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	84568	124.34	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	262669	80.92	ng	0.00
78) Terphenyl-d14	20.02	244	562538	81.21	ng	0.00

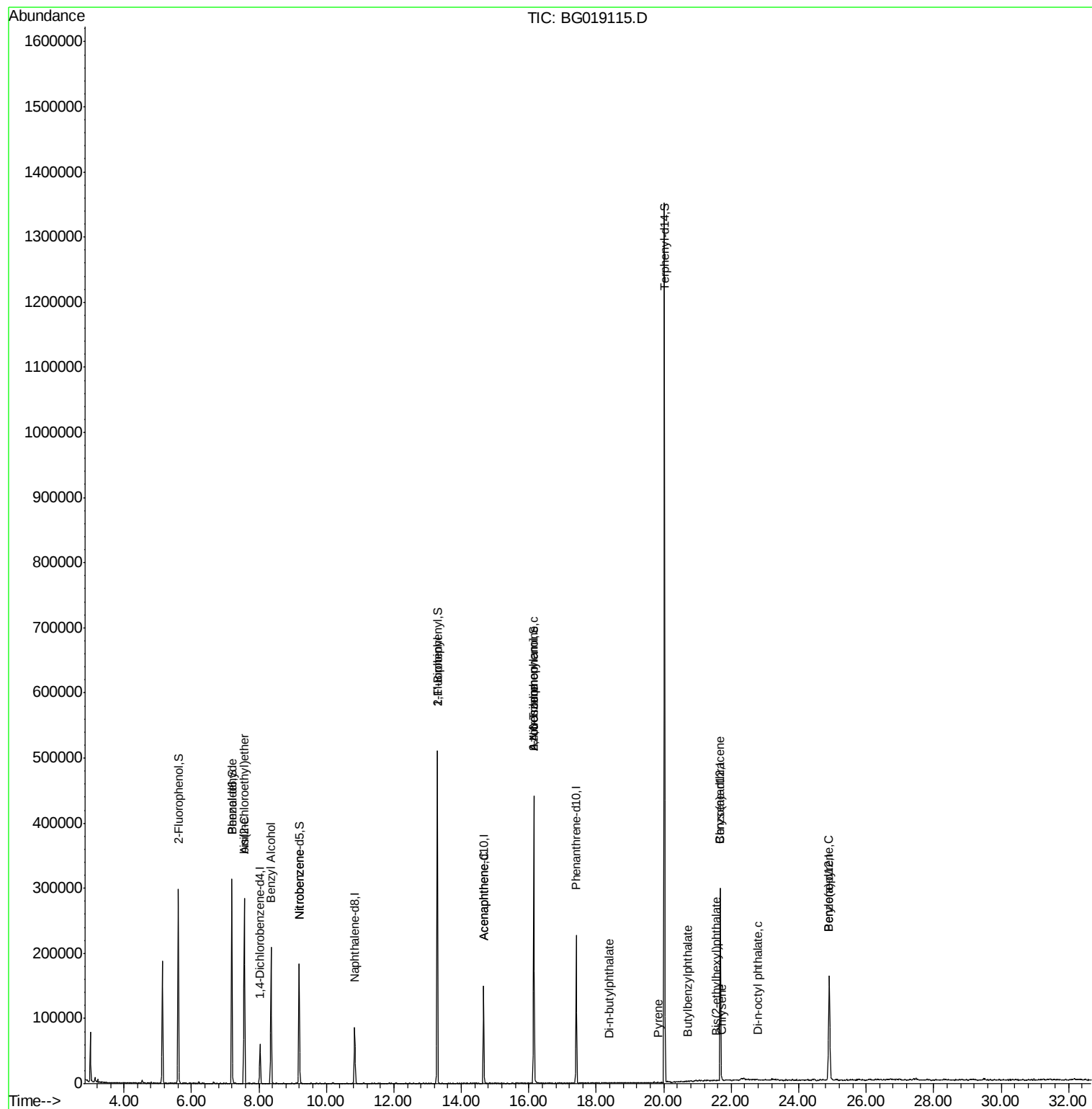
Target Compounds						Qvalue
6) Aniline	7.56	93	172	0.10	ng	# 1
9) Benzaldehyde	7.19	77	158	0.20	ng	# 3
11) bis(2-Chloroethyl)ether	7.56	93	172	0.17	ng	# 1
15) Benzyl Alcohol	8.36	79	1692	1.49	ng	# 44
24) Nitrobenzene	9.19	77	146	0.11	ng	# 43
45) 1,1'-Biphenyl	13.28	154	453	0.12	ng	# 1
51) Acenaphthene	14.66	154	54	0.02	ng	# 3
62) Azobenzene	16.14	77	409	0.11	ng	# 28
65) n-Nitrosodiphenylamine	16.15	169	3040	0.79	ng	# 46
73) Di-n-butylphthalate	18.37	149	249	0.03	ng	# 77
77) Pyrene	19.82	202	66	0.01	ng	# 56
79) Butylbenzylphthalate	20.71	149	55	0.01	ng	# 22
80) Benzo(a)anthracene	21.68	228	724	0.07	ng	# 51
82) Chrysene	21.72	228	140	0.02	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.57	149	53	0.01	ng	# 52
84) Di-n-octyl phthalate	22.79	149	85	0.01	ng	# 1
89) Benzo(a)pyrene	24.90	252	452	0.05	ng	# 61

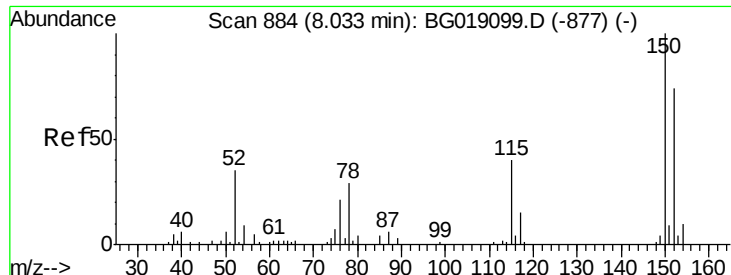
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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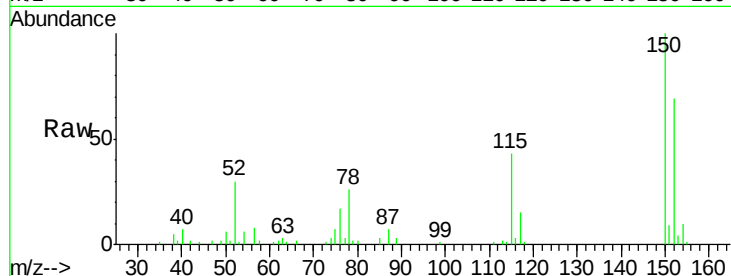


#1

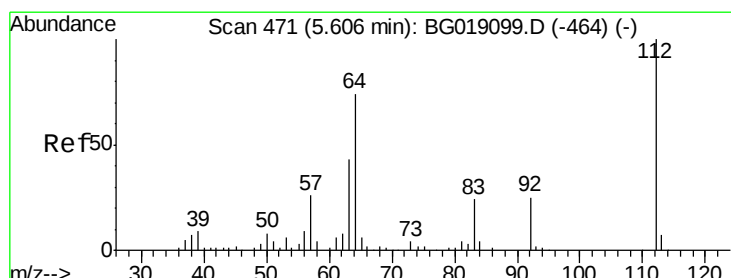
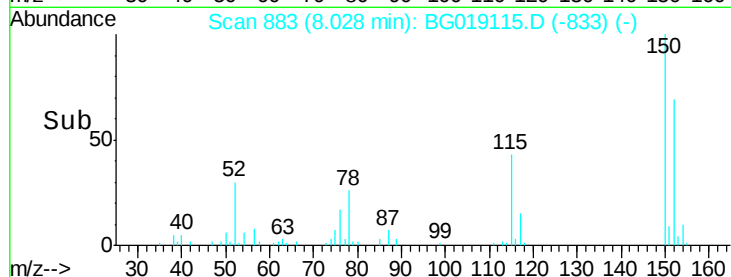
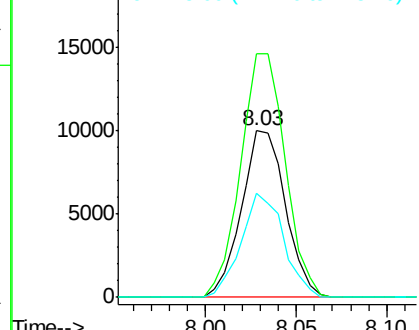
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 883
Delta R.T. -0.01 min
Lab File: BG019115.D
Acq: 10 Oct 2015 13:39

Instrument :
BNA_G
ClientSampleId :
PB86035TB

Tot Ion:152 Resp: 16888
Ion Ratio Lower Upper
152 100
150 145.8 108.2 162.2
115 62.8 43.2 64.8



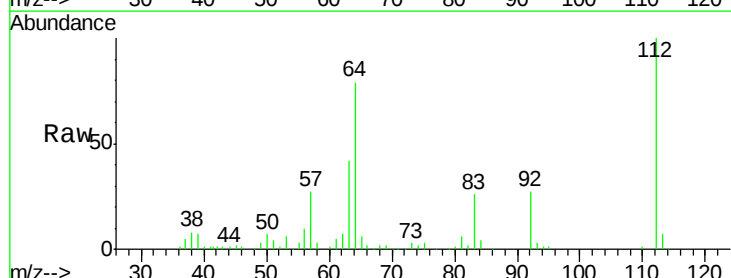
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



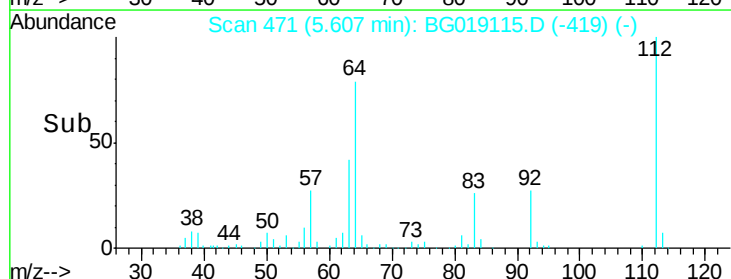
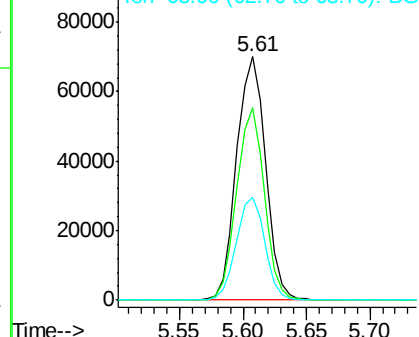
#5

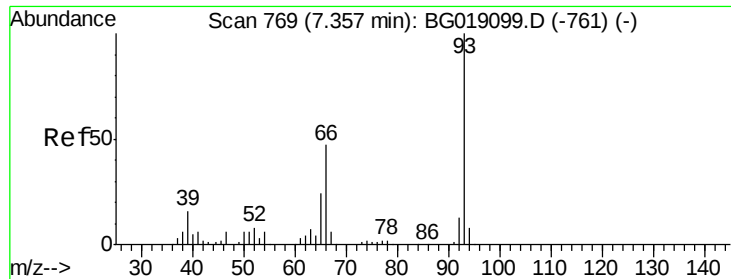
2-Fluorophenol
Concen: 133.29 ng
RT: 5.61 min Scan# 471
Delta R.T. 0.00 min
Lab File: BG019115.D
Acq: 10 Oct 2015 13:39

Tgt Ion:112 Resp: 110557
Ion Ratio Lower Upper
112 100
64 78.8 59.0 88.4
63 42.0 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: 0.10 ng

RT: 7.56 min Scan# 804

Delta R.T. 0.21 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

Instrument :

BNA_G

ClientSampleId :

PB86035TB

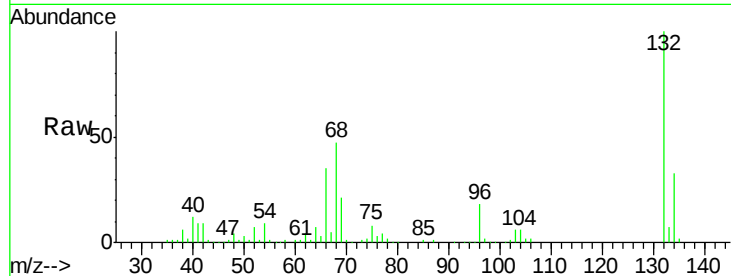
Tot Ion: 93 Resp: 172

Ion Ratio Lower Upper

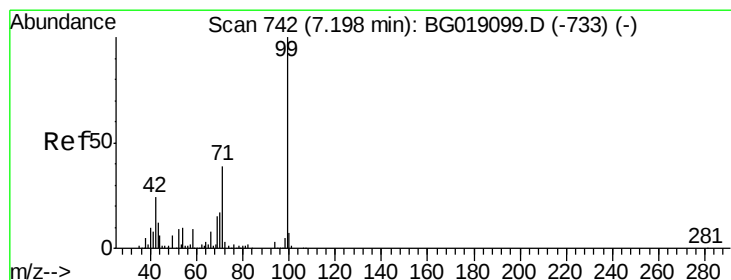
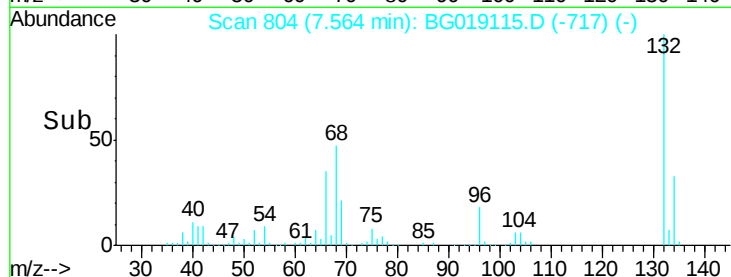
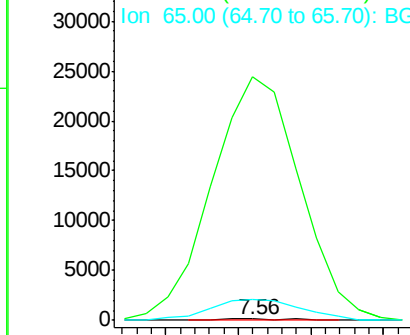
93 100

66 14620.4 37.4 56.2#

65 1227.5 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: 128.42 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.00 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

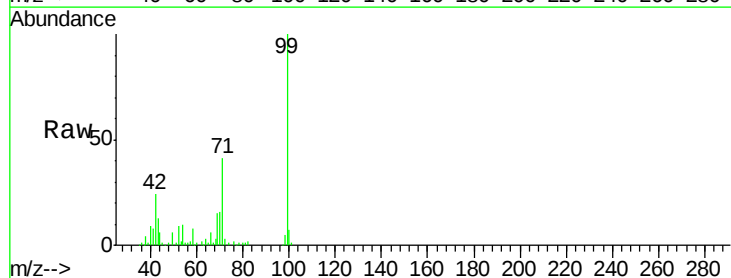
Tgt Ion: 99 Resp: 163630

Ion Ratio Lower Upper

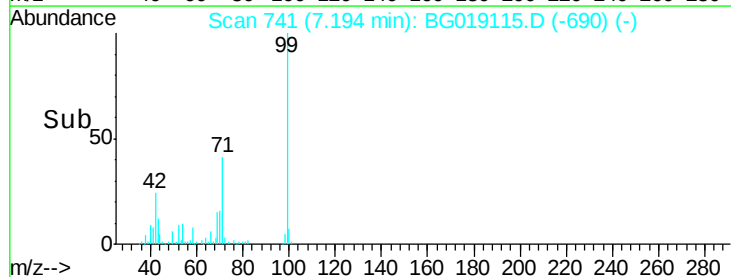
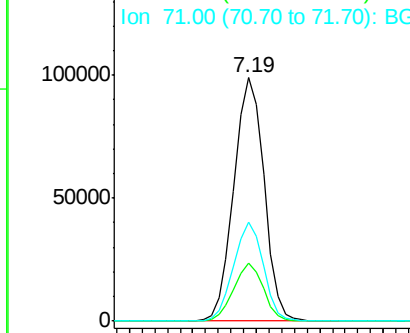
99 100

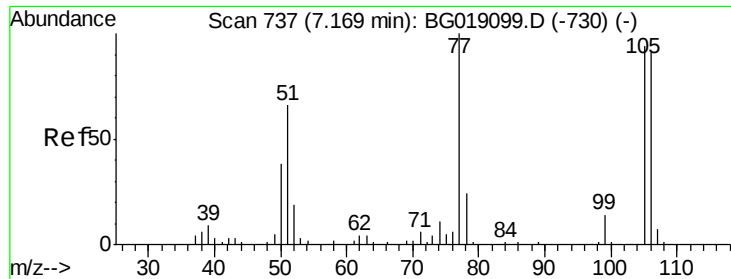
42 23.7 19.5 29.3

71 40.8 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: 0.20 ng

RT: 7.19 min Scan# 741

Delta R.T. 0.03 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

Instrument :

BNA_G

ClientSampled :

PB86035TB

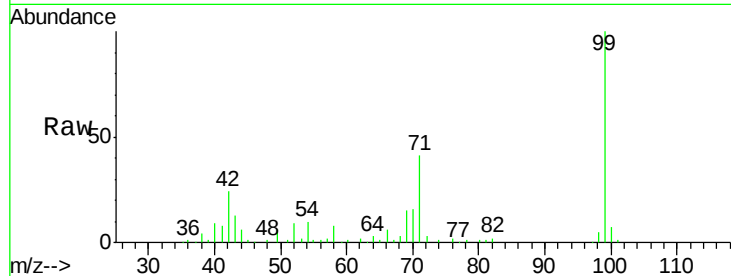
Tot Ion: 77 Resp: 158

Ion Ratio Lower Upper

77 100

105 0.0 73.7 113.7#

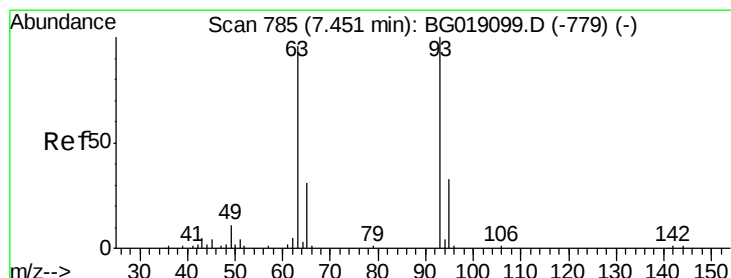
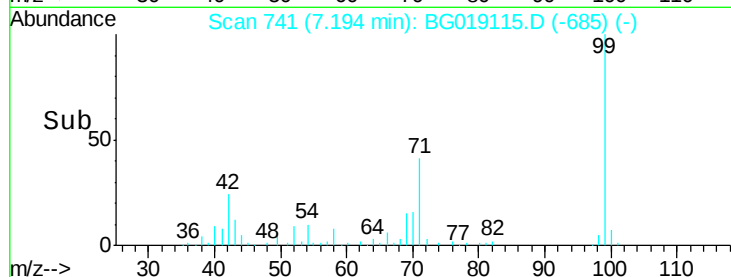
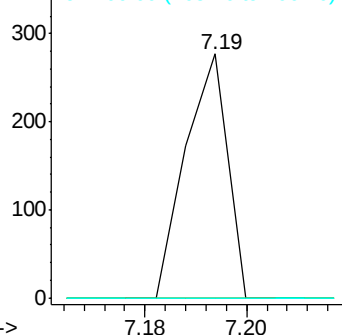
106 0.0 71.0 111.0#



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: 0.17 ng

RT: 7.56 min Scan# 804

Delta R.T. 0.11 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

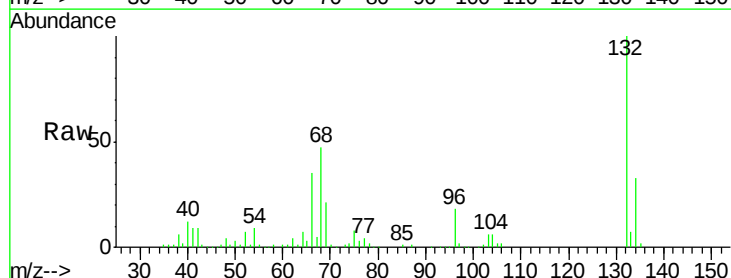
Tgt Ion: 93 Resp: 172

Ion Ratio Lower Upper

93 100

63 596.4 75.3 115.3#

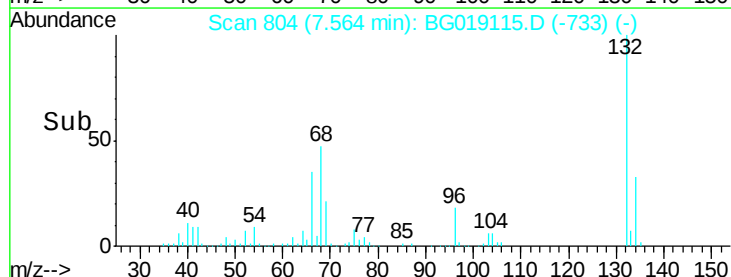
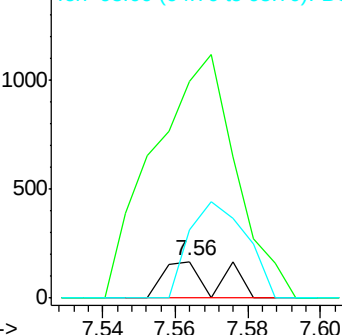
95 186.2 12.9 52.9#

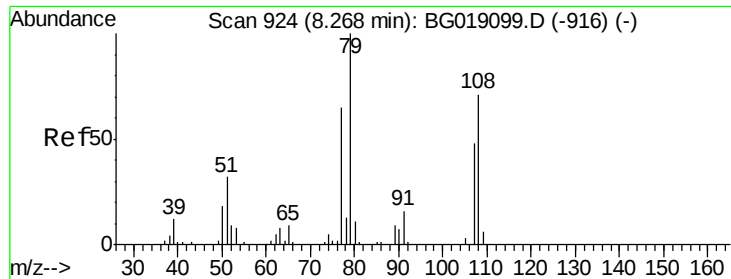


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.49 ng

RT: 8.36 min Scan# 939

Delta R.T. 0.09 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

Instrument :

BNA_G

ClientSampleId :

PB86035TB

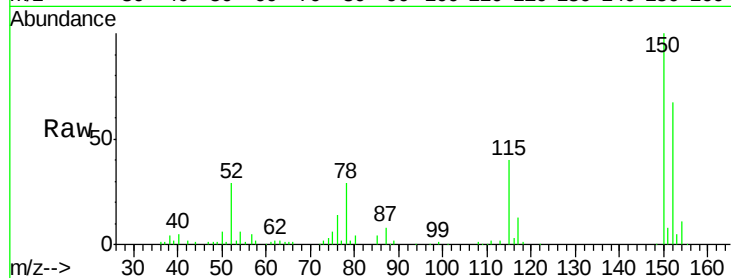
Tot Ion: 79 Resp: 1692

Ion Ratio Lower Upper

79 100

108 26.9 56.6 84.8#

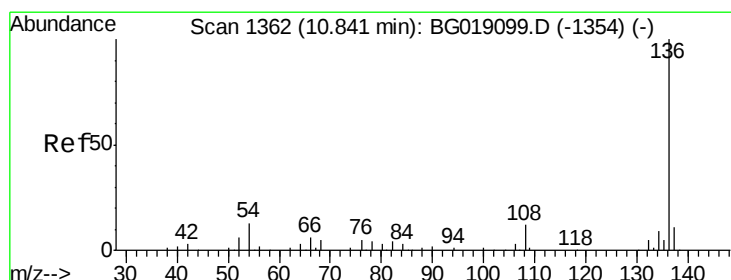
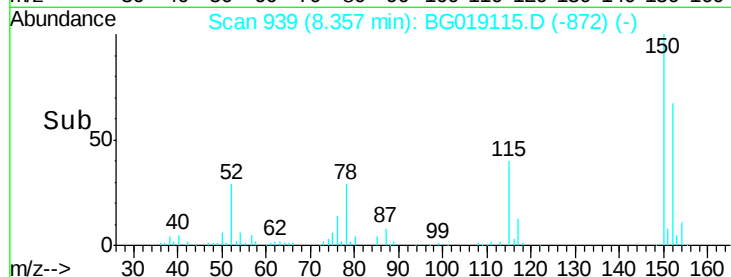
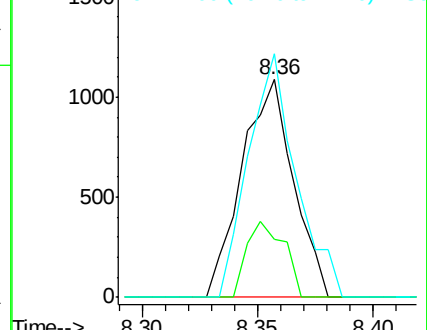
77 111.8 51.6 77.4#



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: 10.84 min Scan# 1361

Delta R.T. -0.00 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

Tgt Ion: 136 Resp: 70678

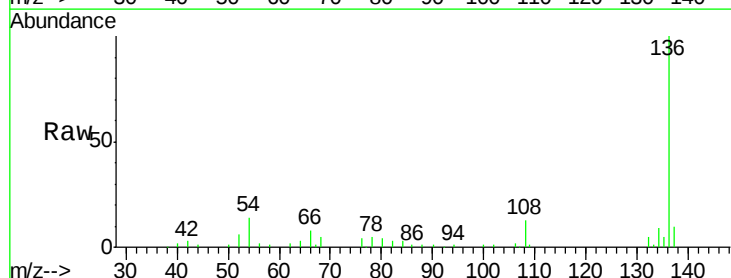
Ion Ratio Lower Upper

136 100

137 9.9 9.0 13.4

54 13.6 10.1 15.1

68 5.3 4.4 6.6

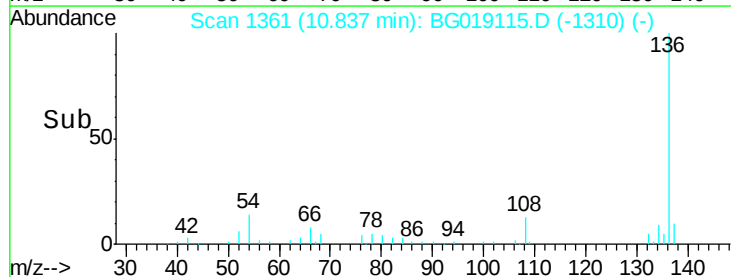
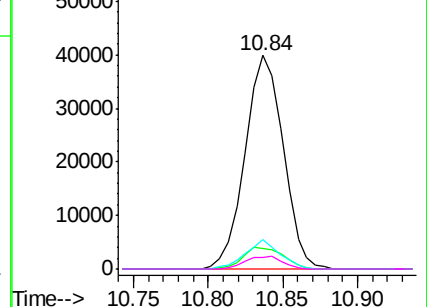


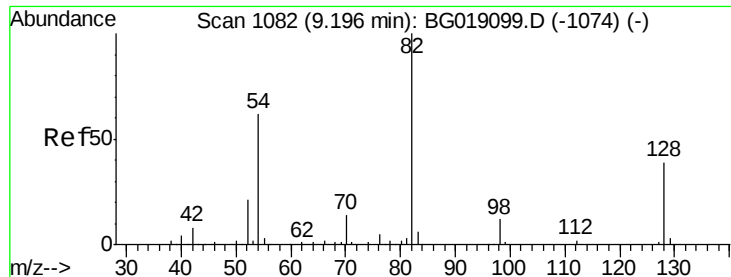
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

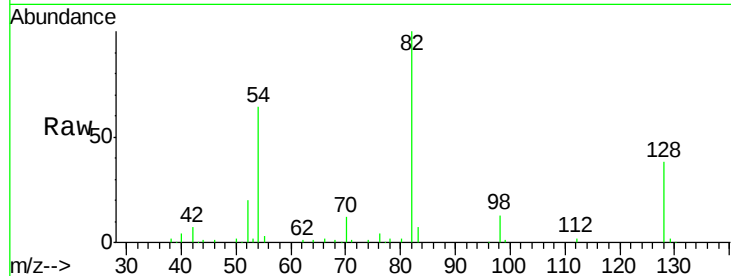




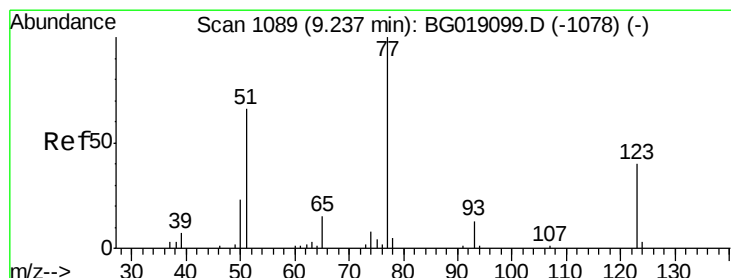
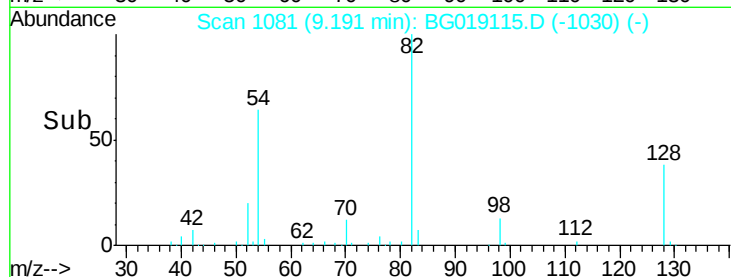
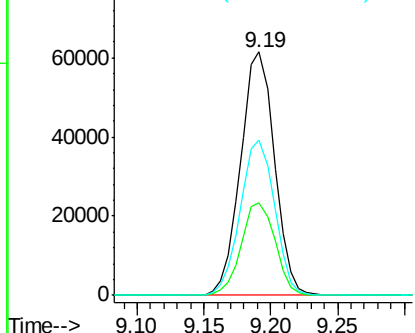
#23
Nitrobenzene-d5
Concen: 84.59 ng
RT: 9.19 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BG019115.D
Acq: 10 Oct 2015 13:39

Instrument :
BNA_G
ClientSampleId :
PB86035TB

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.0	31.4	47.2
54	64.0	50.0	75.0

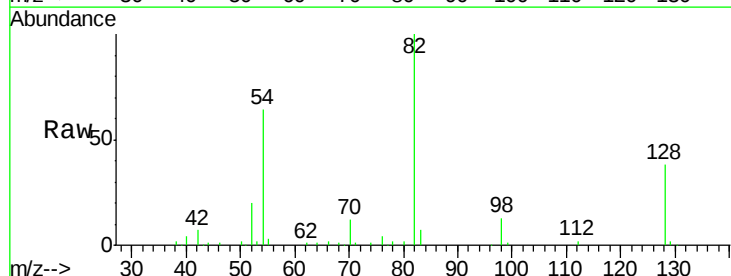


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

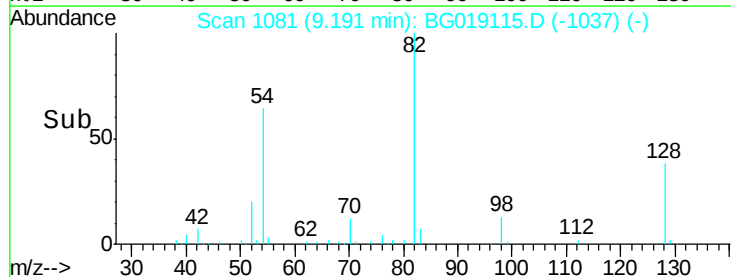
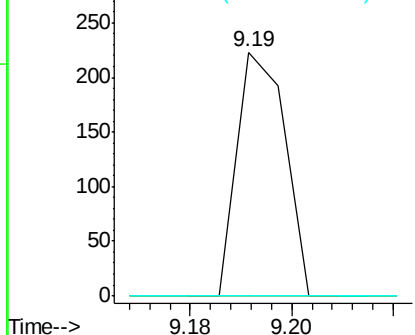


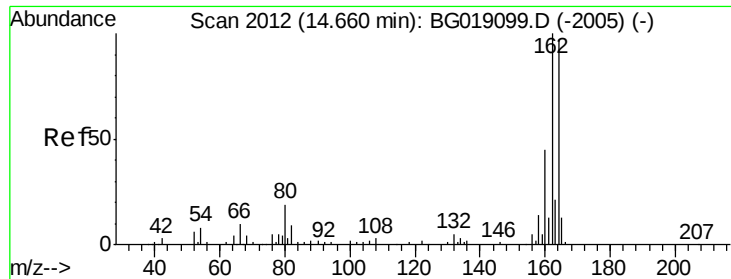
#24
Nitrobenzene
Concen: 0.11 ng
RT: 9.19 min Scan# 1081
Delta R.T. -0.04 min
Lab File: BG019115.D
Acq: 10 Oct 2015 13:39

Tgt 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. 0.00 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

Instrument :

BNA_G

ClientSampleId :

PB86035TB

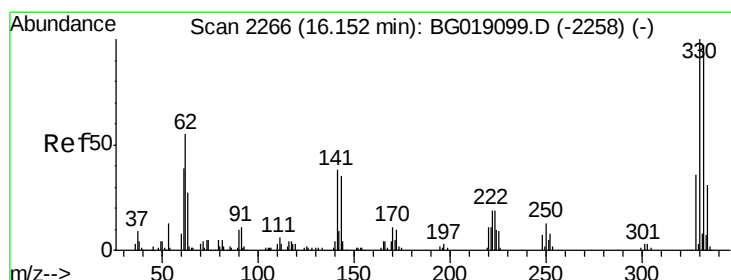
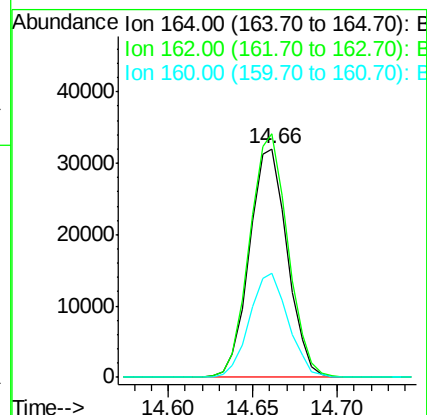
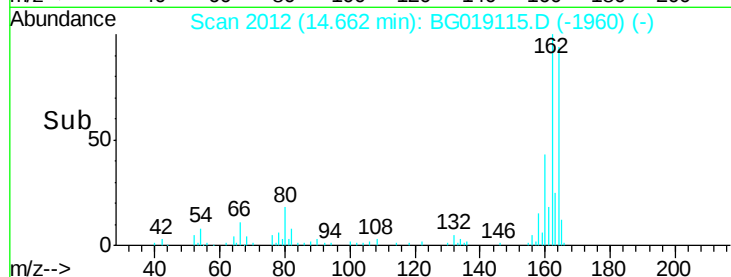
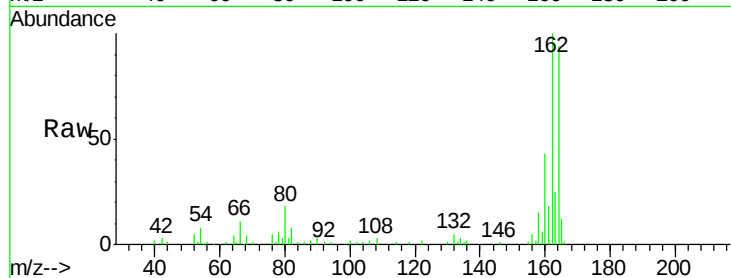
Tot Ion:164 Resp: 49909

Ion Ratio Lower Upper

164 100

162 106.5 82.6 124.0

160 45.6 36.9 55.3



#41

2,4,6-Tribromophenol

Concen: 124.34 ng

RT: 16.15 min Scan# 2265

Delta R.T. -0.00 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

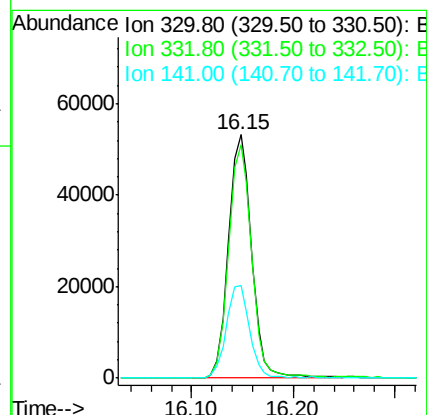
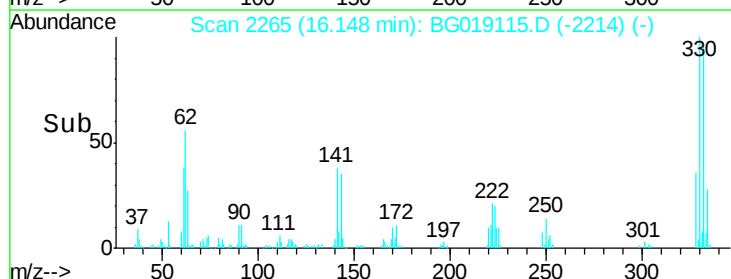
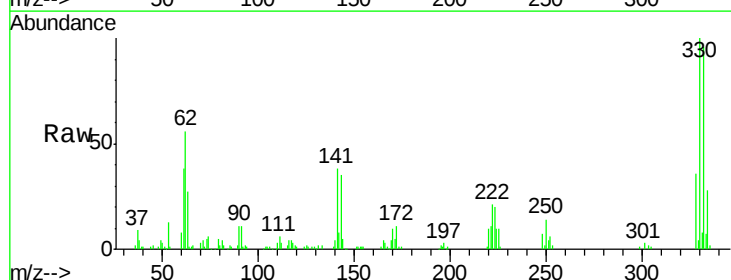
Tgt Ion:330 Resp: 84568

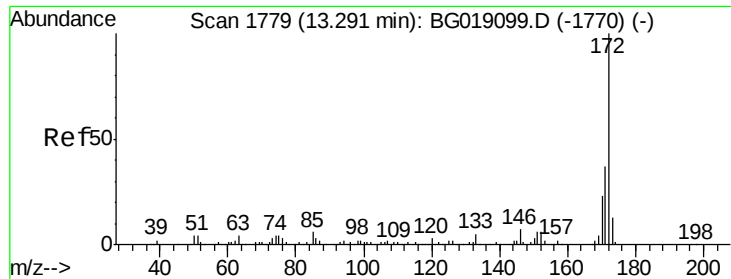
Ion Ratio Lower Upper

330 100

332 95.8 77.3 115.9

141 38.8 30.7 46.1

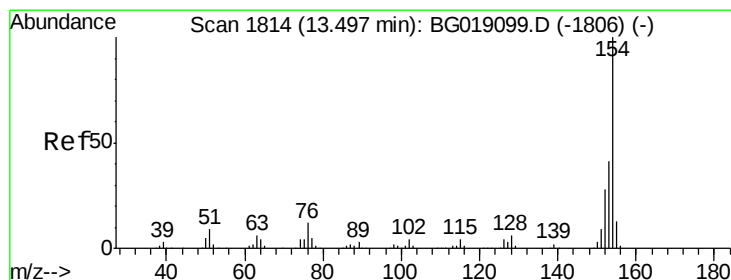
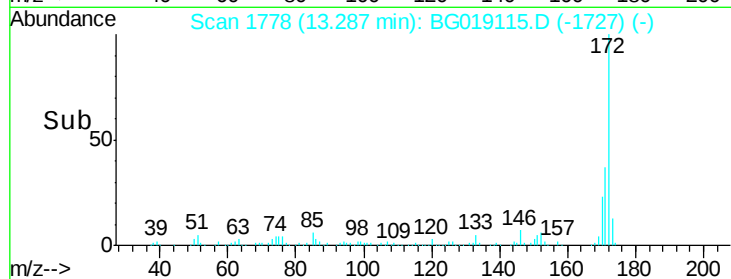
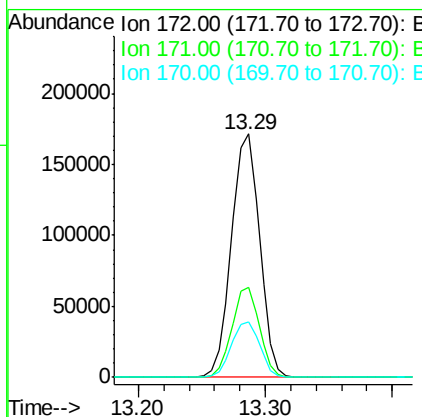
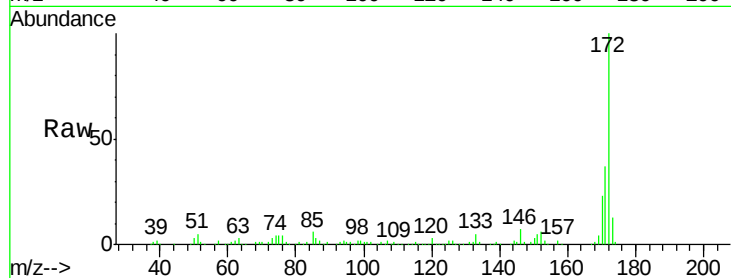




#44
2-Fluorobiphenyl
Concen: 80.92 ng
RT: 13.29 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BG019115.D
Acq: 10 Oct 2015 13:39

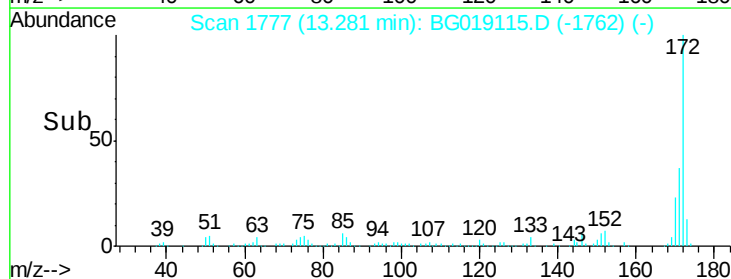
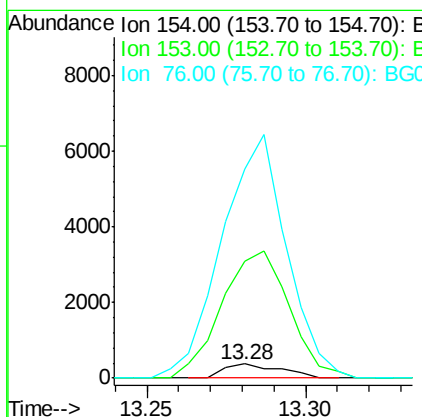
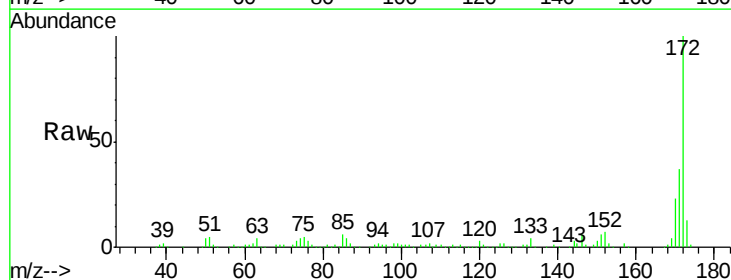
Instrument :
BNA_G
ClientSampleId :
PB86035TB

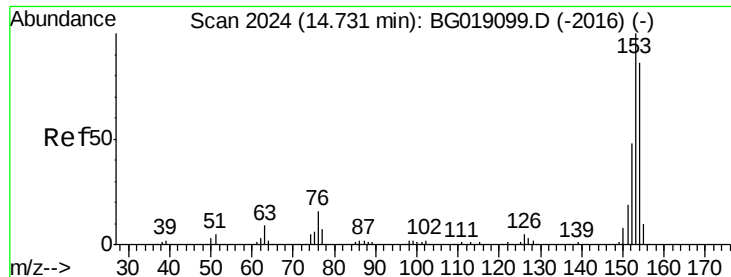
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.9	44.9
170	22.6	18.6	27.8



#45
1,1'-Biphenyl
Concen: 0.12 ng
RT: 13.28 min Scan# 1777
Delta R.T. -0.21 min
Lab File: BG019115.D
Acq: 10 Oct 2015 13:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	831.3	20.6	60.6#
76	1491.9	0.0	32.2#





#51

Acenaphthene

Concen: 0.02 ng

RT: 14.66 min Scan# 2011

Delta R.T. -0.07 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

Instrument :

BNA_G

ClientSampleId :

PB86035TB

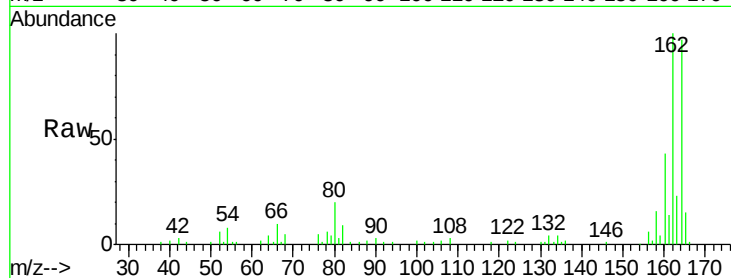
Tot Ion:154 Resp: 54

Ion Ratio Lower Upper

154 100

153 0.0 93.4 140.2#

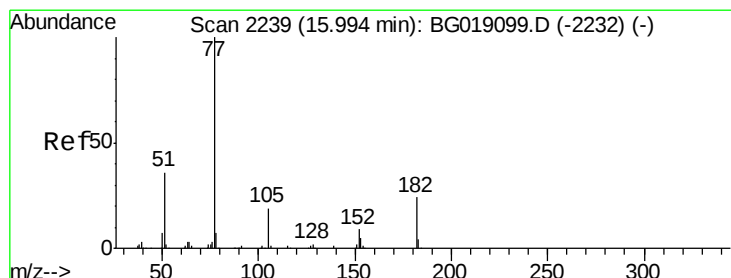
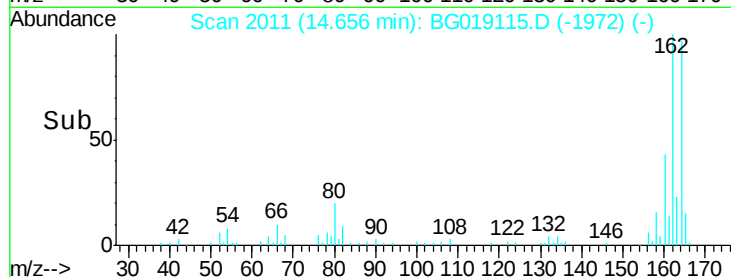
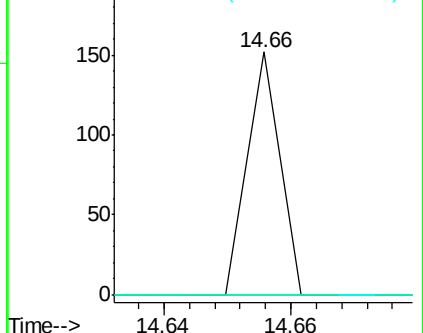
152 0.0 44.9 67.3#



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



#62

Azobenzene

Concen: 0.11 ng

RT: 16.14 min Scan# 2264

Delta R.T. 0.15 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

Tgt Ion: 77 Resp: 409

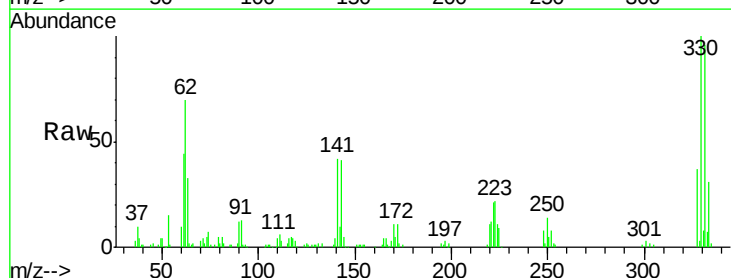
Ion Ratio Lower Upper

77 100

182 0.0 4.4 44.4#

105 89.1 0.0 39.1#

51 61.5 15.9 55.9#

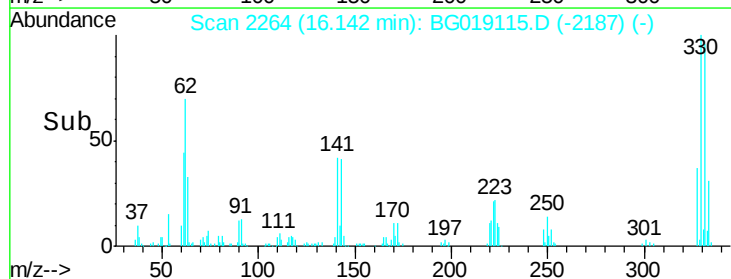
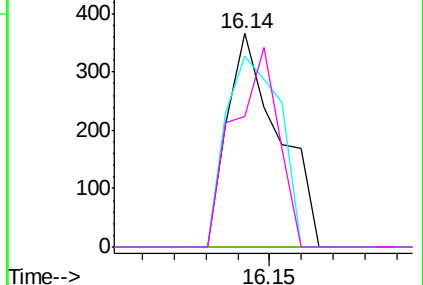


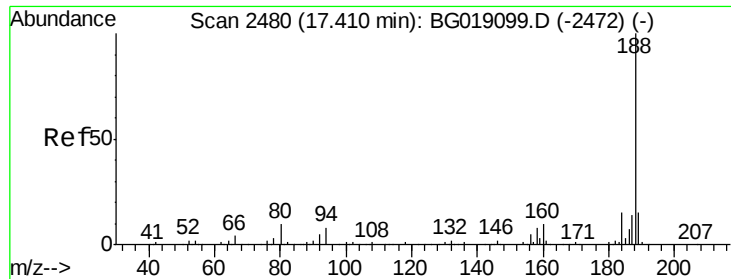
Abundance Ion 77.00 (76.70 to 77.70): BGC

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

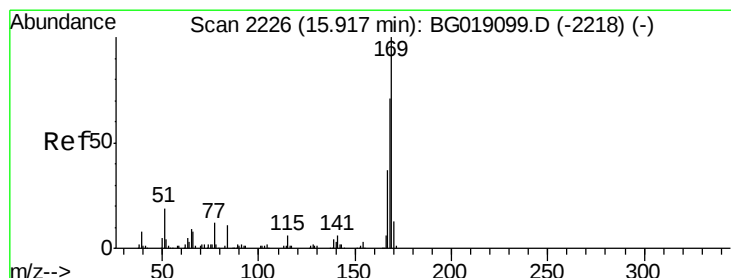
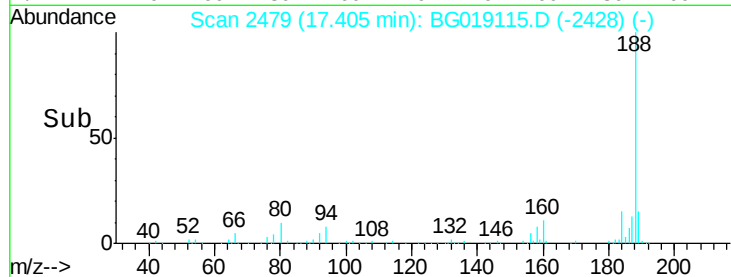
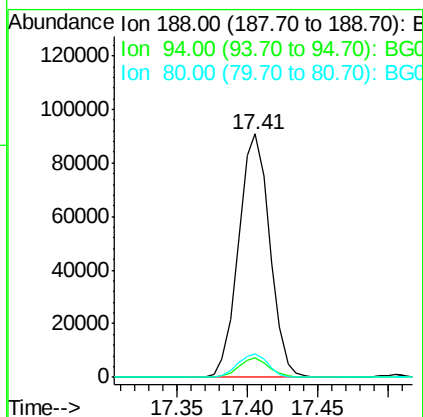
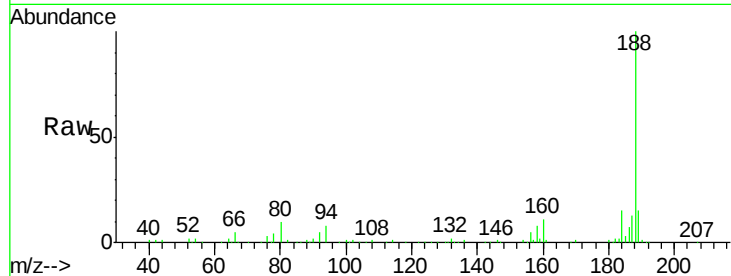




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.41 min Scan# 2479
 Delta R.T. -0.00 min
 Lab File: BG019115.D
 Acq: 10 Oct 2015 13:39

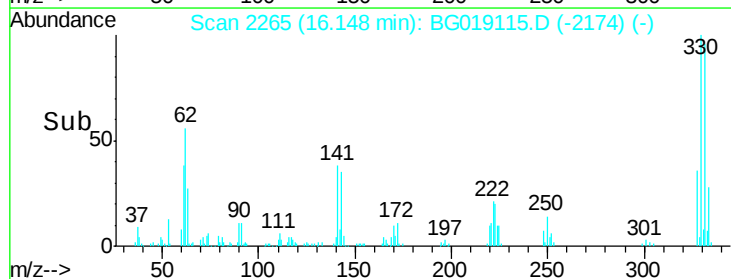
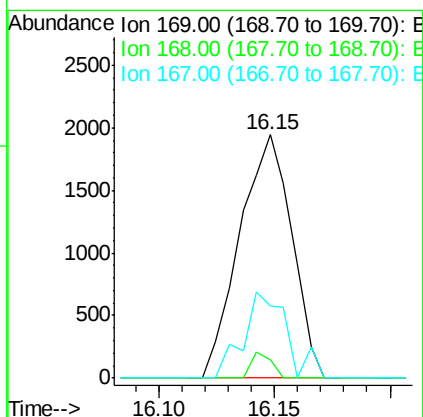
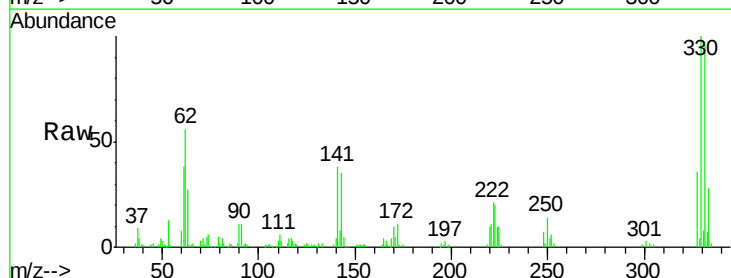
Instrument :
 BNA_G
 ClientSampleId :
 PB86035TB

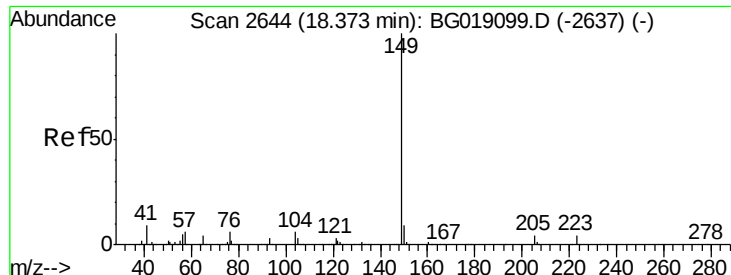
Tot Ion:188 Resp: 139961
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.4 9.6
 80 9.6 7.6 11.4



#65
 n-Nitrosodiphenylamine
 Concen: 0.79 ng
 RT: 16.15 min Scan# 2265
 Delta R.T. 0.23 min
 Lab File: BG019115.D
 Acq: 10 Oct 2015 13:39

Tgt Ion:169 Resp: 3040
 Ion Ratio Lower Upper
 169 100
 168 7.7 56.6 84.8#
 167 29.7 30.0 45.0#





#73

Di-n-butylphthalate

Concen: 0.03 ng

RT: 18.37 min Scan# 2644

Delta R.T. 0.00 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

Instrument :

BNA_G

ClientSampleId :

PB86035TB

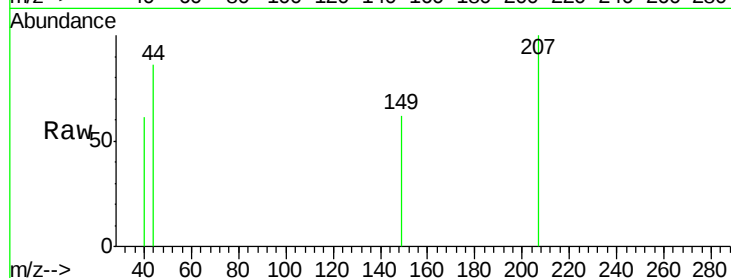
Tot Ion:149 Resp: 249

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

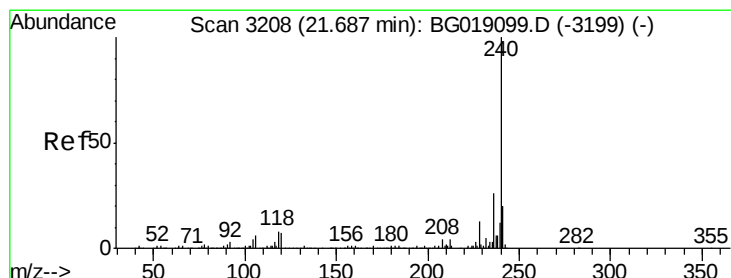
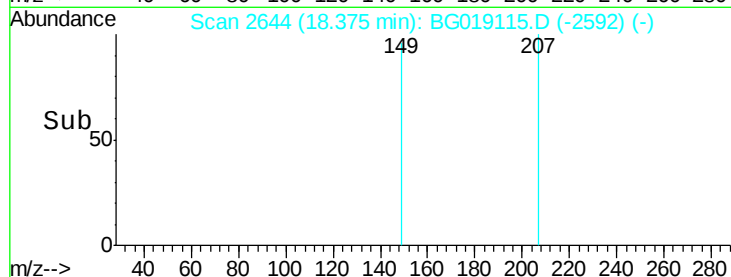
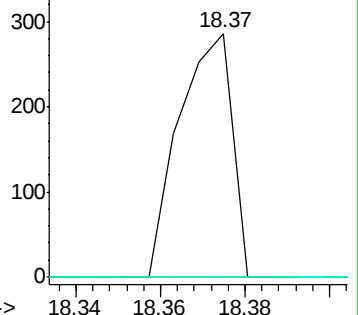
104 0.0 5.0 7.6#



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: 21.68 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

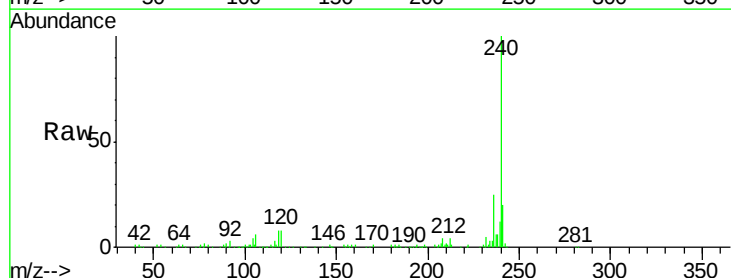
Tgt Ion:240 Resp: 182987

Ion Ratio Lower Upper

240 100

120 8.0 5.8 8.6

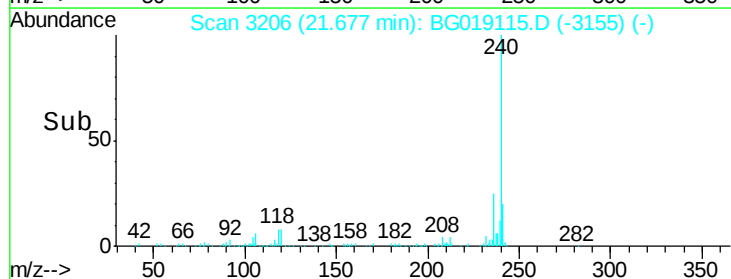
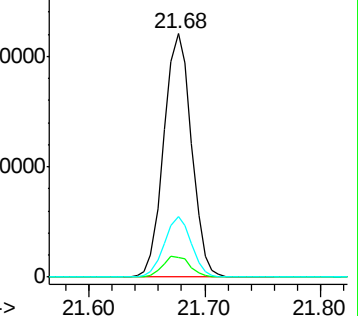
236 25.0 21.2 31.8

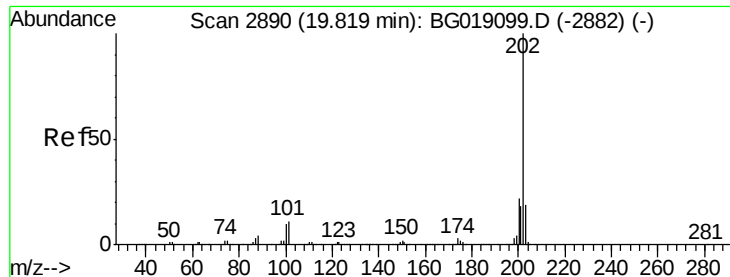


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

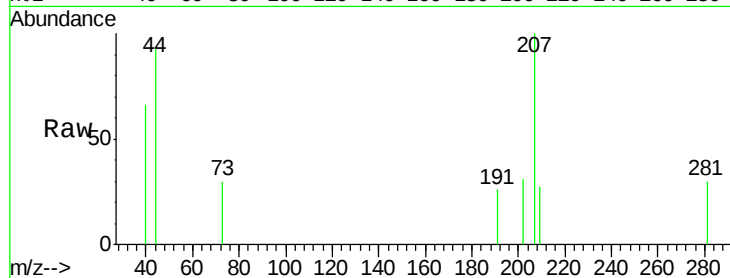




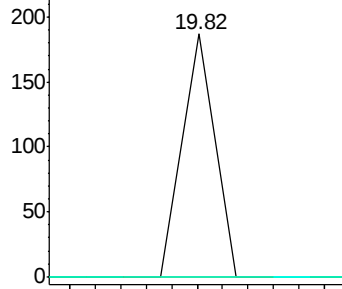
#77
Pvrene
Concen: 0.01 ng
RT: 19.82 min Scan# 2890
Delta R.T. 0.00 min
Lab File: BG019115.D
Acq: 10 Oct 2015 13:39

Instrument :
BNA_G
ClientSampleId :
PB86035TB

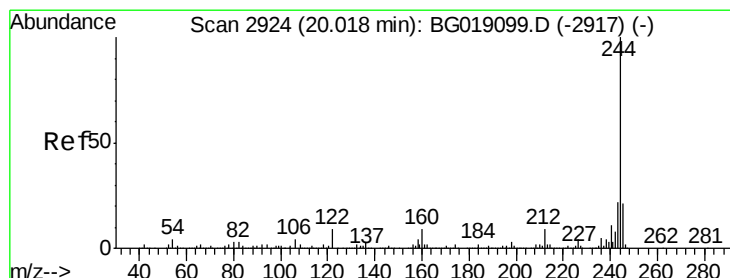
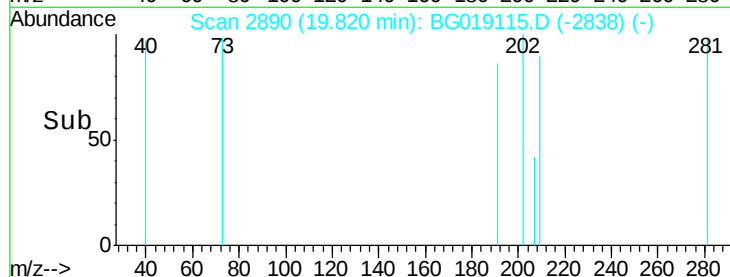
Tot Ion	Ratio	Lower	Upper
202	100		
200	0.0	17.4	26.2#
203	0.0	14.8	22.2#



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

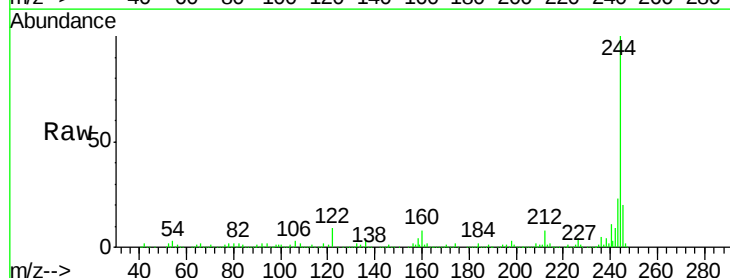


Time--> 19.80 19.82

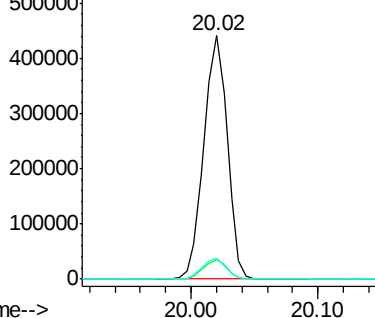


#78
Terphenyl-d14
Concen: 81.21 ng
RT: 20.02 min Scan# 2924
Delta R.T. 0.00 min
Lab File: BG019115.D
Acq: 10 Oct 2015 13:39

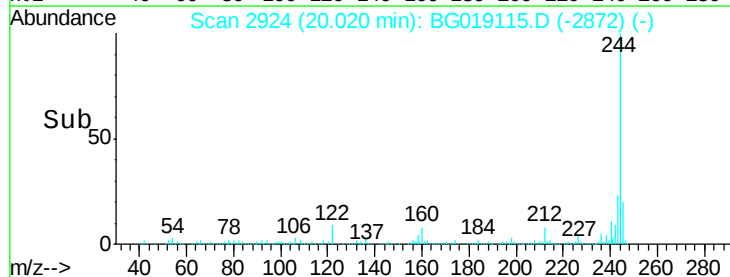
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.8	10.2
122	8.7	7.4	11.2

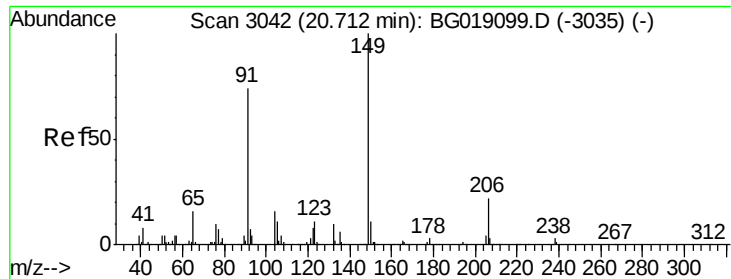


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 20.00 20.10

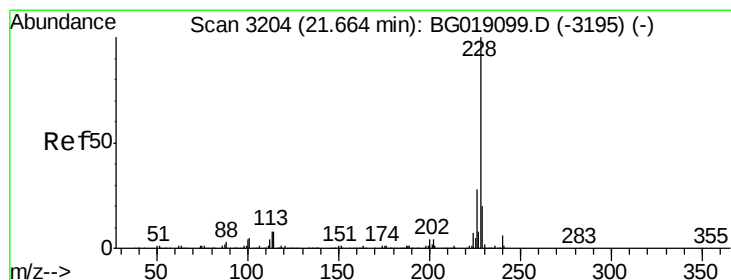
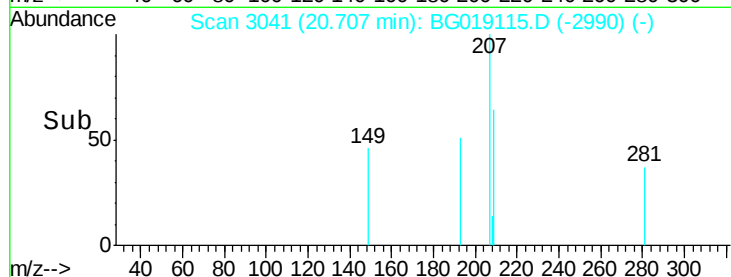
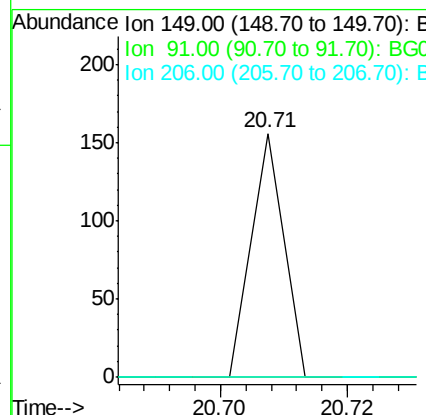
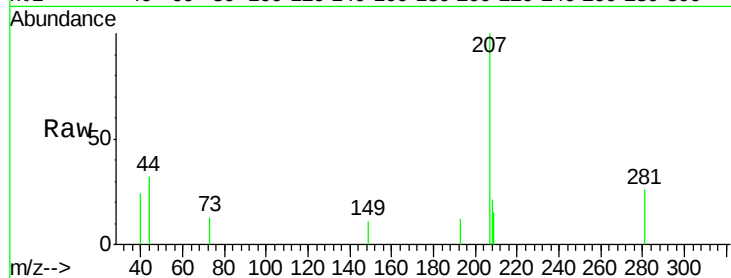




#79
 Butylbenzylphthalate
 Concen: 0.01 ng
 RT: 20.71 min Scan# 3041
 Delta R.T. -0.00 min
 Lab File: BG019115.D
 Acq: 10 Oct 2015 13:39

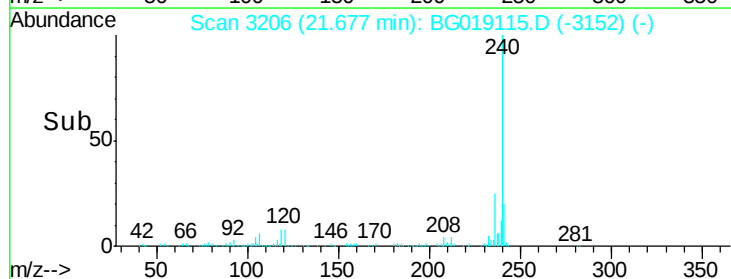
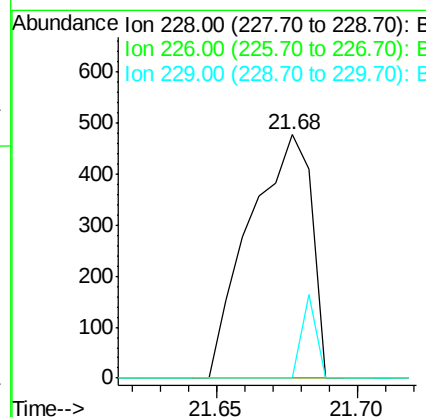
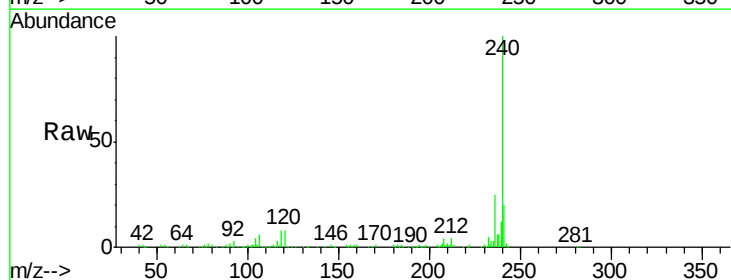
Instrument :
 BNA_G
 ClientSampleId :
 PB86035TB

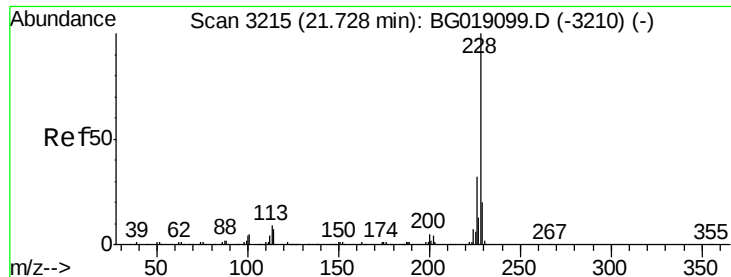
Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	59.2	88.8#
206	0.0	17.5	26.3#



#80
 Benzo(a)anthracene
 Concen: 0.07 ng
 RT: 21.68 min Scan# 3206
 Delta R.T. 0.01 min
 Lab File: BG019115.D
 Acq: 10 Oct 2015 13:39

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





#82

Chrysene

Concen: 0.02 ng

RT: 21.72 min Scan# 3214

Delta R.T. -0.00 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

Instrument :

BNA_G

ClientSampled :

PB86035TB

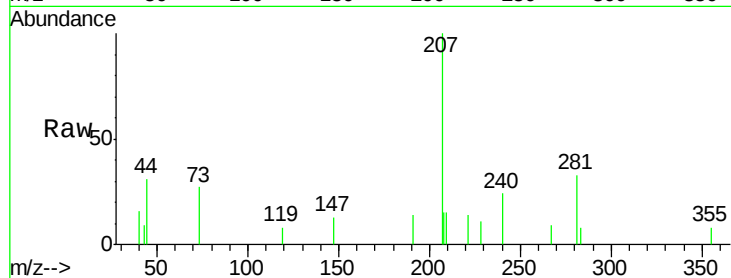
Tot Ion:228 Resp: 140

Ion Ratio Lower Upper

228 100

226 0.0 25.2 37.8#

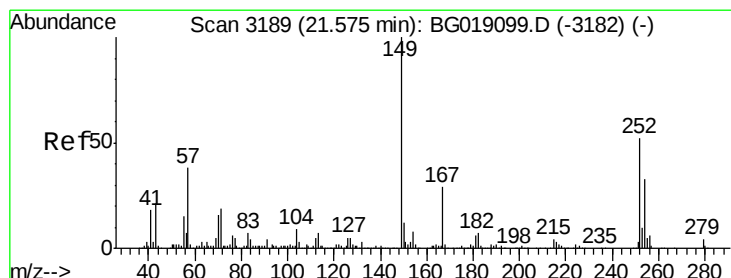
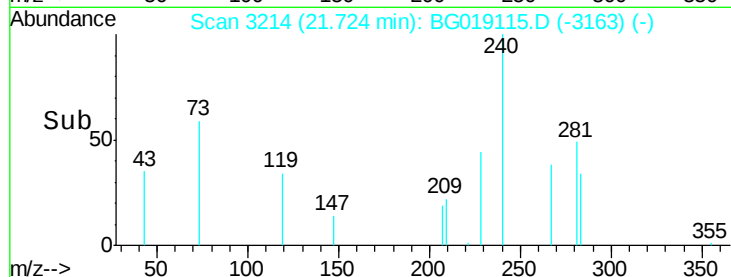
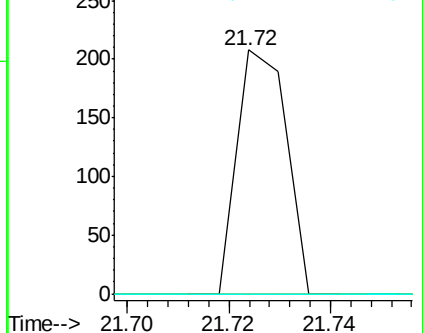
229 0.0 16.3 24.5#



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# 3187

Delta R.T. -0.01 min

Lab File: BG019115.D

Acq: 10 Oct 2015 13:39

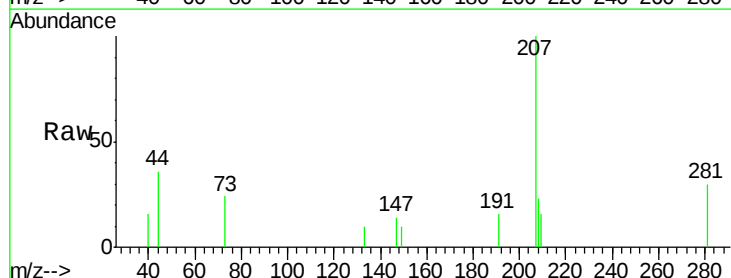
Tgt Ion:149 Resp: 53

Ion Ratio Lower Upper

149 100

167 0.0 22.8 34.2#

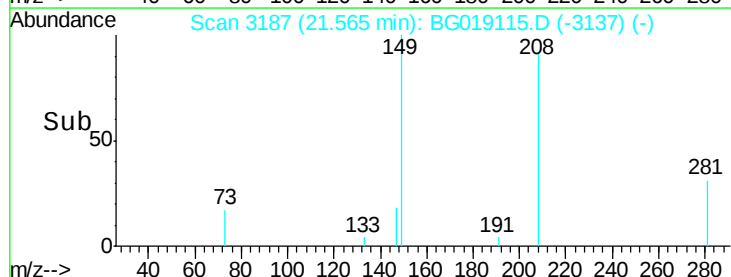
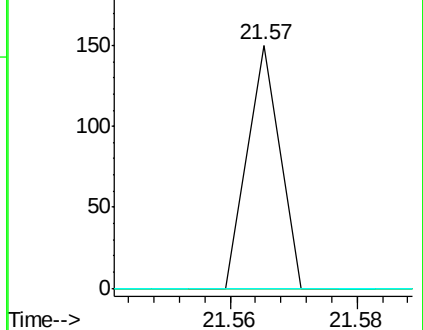
279 0.0 3.6 5.4#

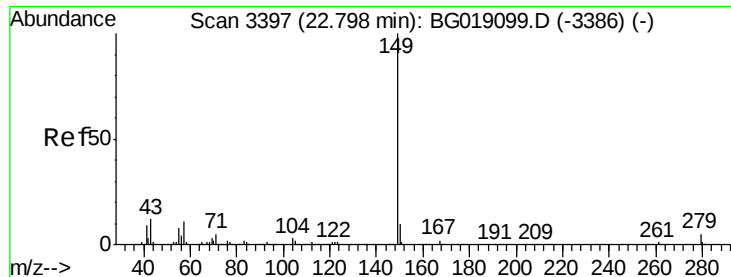


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

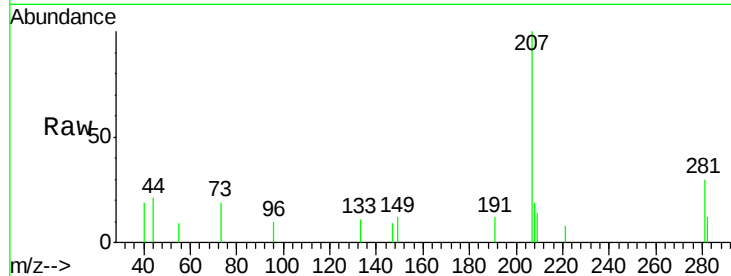




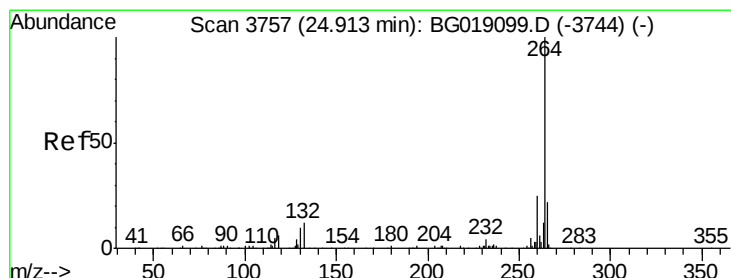
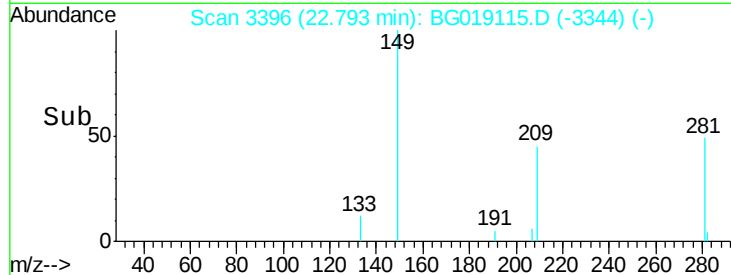
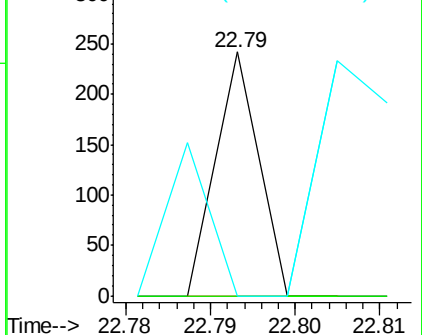
#84
Di-n-octyl phthalate
Concen: 0.01 ng
RT: 22.79 min Scan# 3396
Delta R.T. 0.00 min
Lab File: BG019115.D
Acq: 10 Oct 2015 13:39

Instrument :
BNA_G
ClientSampleId :
PB86035TB

Tot Ion:149 Resp: 85
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 63.5 10.1 15.1#

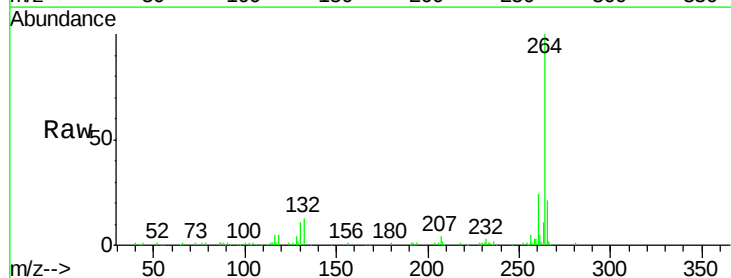


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

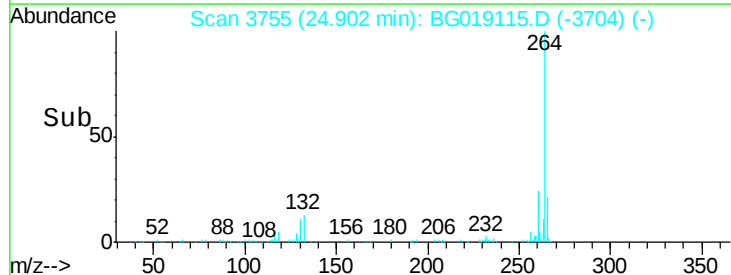
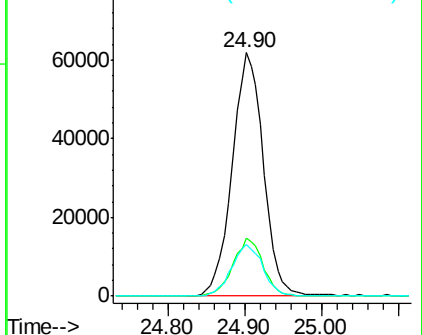


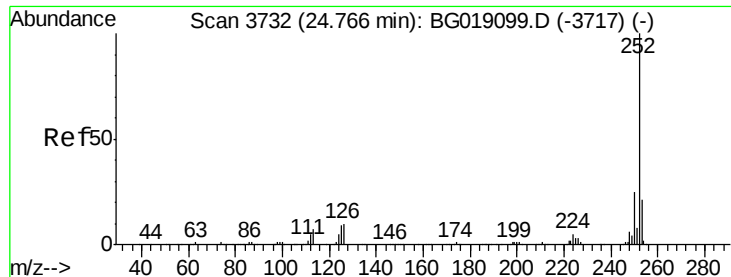
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.90 min Scan# 3755
Delta R.T. -0.00 min
Lab File: BG019115.D
Acq: 10 Oct 2015 13:39

Tgt Ion:264 Resp: 175193
Ion Ratio Lower Upper
264 100
260 23.6 20.1 30.1
265 21.1 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: 0.05 ng

RT: 24.90 min Scan# 3755

Delta R.T. 0.15 min

Lab File: BG019115.D

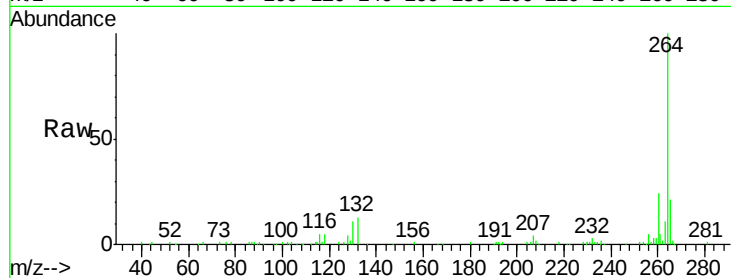
Acq: 10 Oct 2015 13:39

Instrument :

BNA_G

ClientSampleId :

PB86035TB



Tot Ion:	252	Resp:	452
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.0	25.4#
125	0.0	7.2	10.8#

