

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
 Data File : BG019120.D
 Acq On : 10 Oct 2015 16:49
 Operator : UM/NP
 Sample : PB86038BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB86038TB

Quant Time: Oct 12 06:34:59 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	15364	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	64717	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	46543	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	130237	20.00	ng	0.00
75) Chrysene-d12	21.68	240	172146	20.00	ng	0.00
86) Perylene-d12	24.91	264	163007	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	98932	131.11	ng	0.00
7) Phenol-d6	7.19	99	145620	125.62	ng	0.00
23) Nitrobenzene-d5	9.19	82	97242	83.02	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	78276	123.42	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	240823	79.56	ng	0.00
78) Terphenyl-d14	20.02	244	531691	81.59	ng	0.00

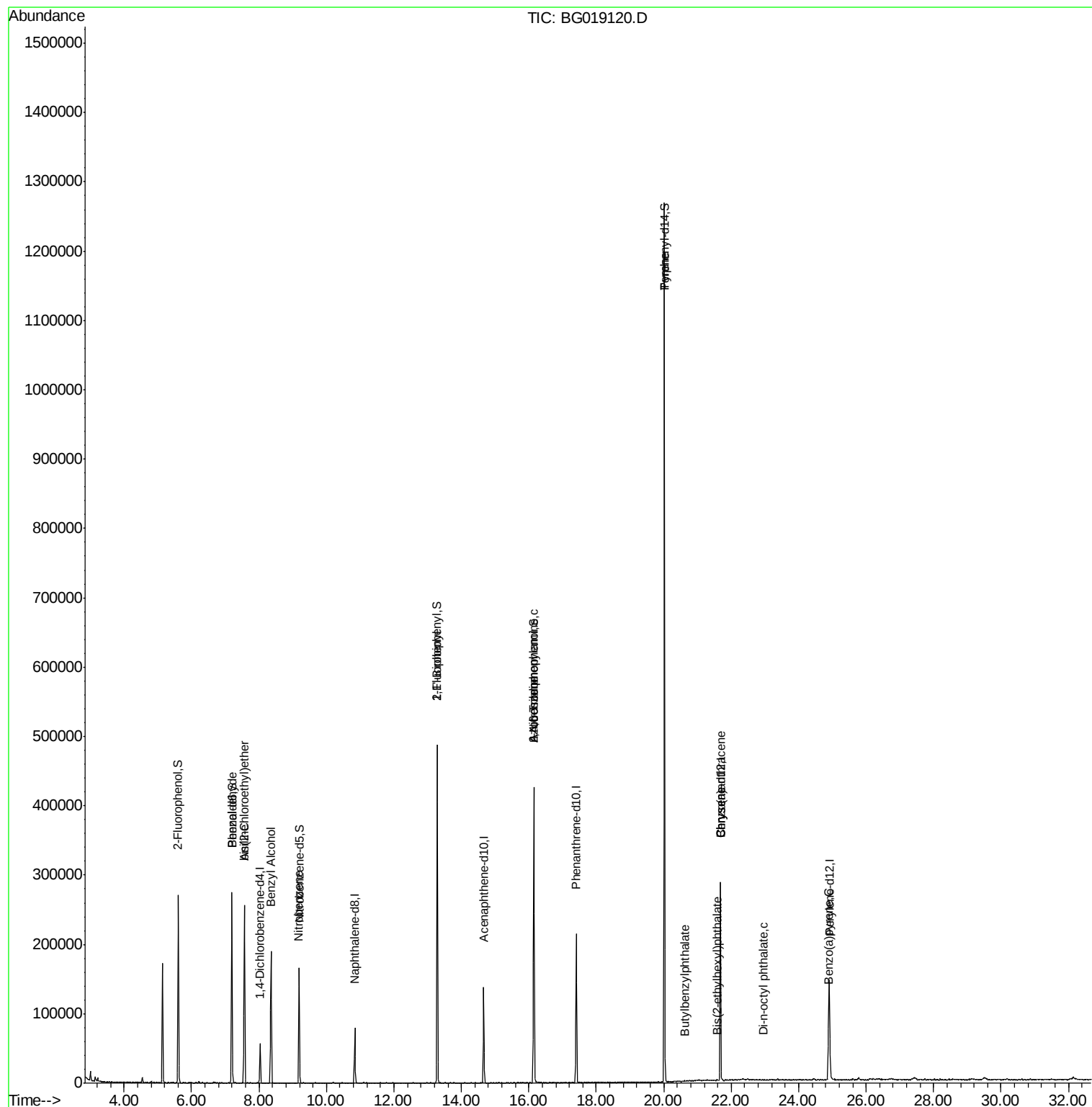
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.57	93	62	0.04	ng	# 1
9) Benzaldehyde	7.20	77	192	0.26	ng	# 3
11) bis(2-Chloroethyl)ether	7.57	93	62	0.07	ng	# 1
15) Benzyl Alcohol	8.35	79	1592	1.54	ng	# 57
24) Nitrobenzene	9.18	77	338	0.27	ng	# 43
45) 1,1'-Biphenyl	13.28	154	380	0.11	ng	# 1
62) Azobenzene	16.14	77	509	0.14	ng	# 1
65) n-Nitrosodiphenylamine	16.15	169	2865	0.80	ng	# 36
77) Pyrene	20.02	202	2221	0.23	ng	# 65
79) Butylbenzylphthalate	20.62	149	56	0.01	ng	# 22
80) Benzo(a)anthracene	21.69	228	616	0.07	ng	# 51
82) Chrysene	21.69	228	616	0.07	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.60	149	126	0.02	ng	# 52
84) Di-n-octyl phthalate	22.95	149	56	0.01	ng	# 1
89) Benzo(a)pyrene	24.88	252	59	0.01	ng	# 61

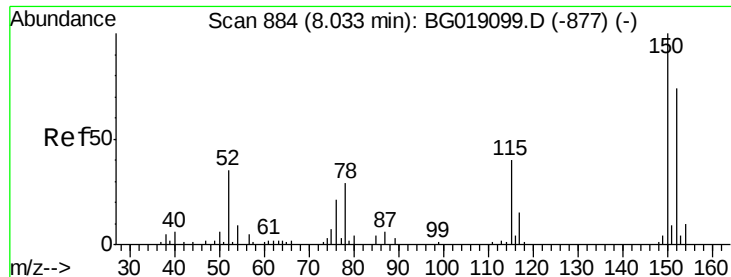
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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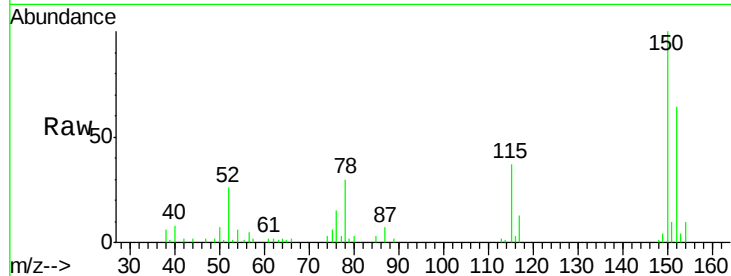


#1

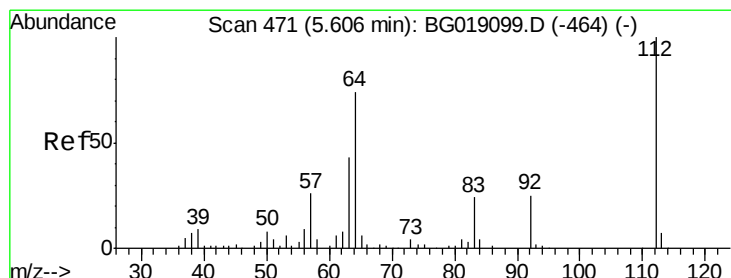
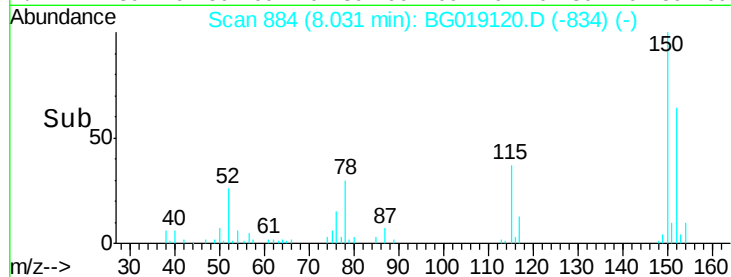
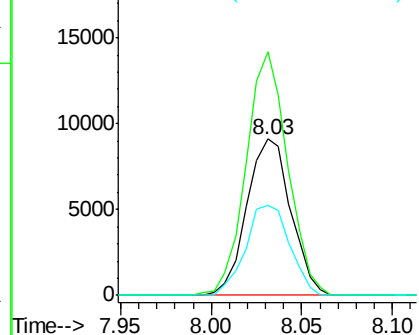
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 884
Delta R.T. -0.01 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Instrument :
BNA_G
ClientSampleId :
PB86038TB

Tot Ion:152 Resp: 15364
Ion Ratio Lower Upper
152 100
150 155.7 108.2 162.2
115 57.2 43.2 64.8



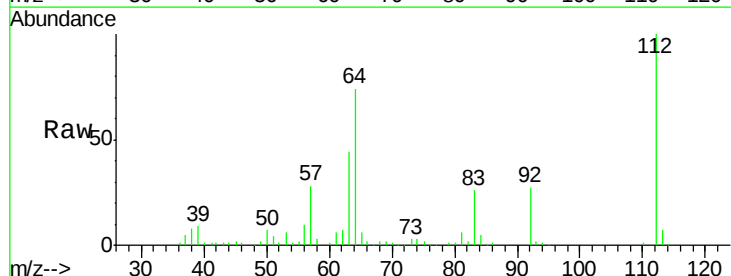
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



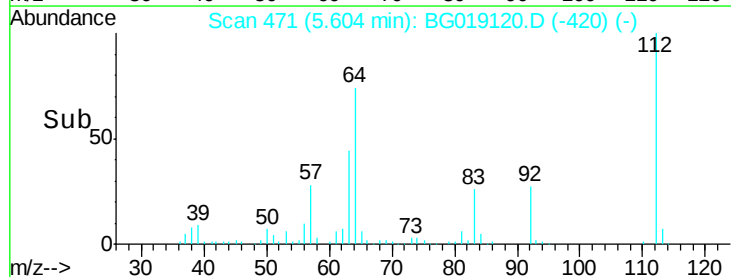
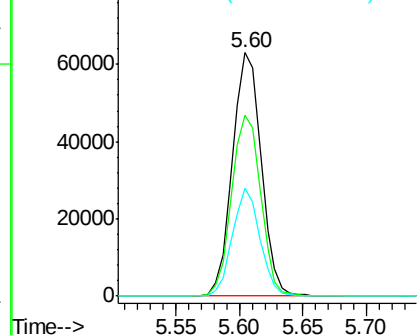
#5

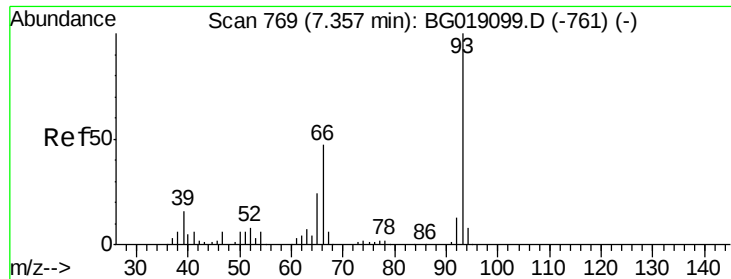
2-Fluorophenol
Concen: 131.11 ng
RT: 5.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Tgt Ion:112 Resp: 98932
Ion Ratio Lower Upper
112 100
64 74.3 59.0 88.4
63 44.1 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: 0.04 ng

RT: 7.57 min Scan# 806

Delta R.T. 0.22 min

Lab File: BG019120.D

Acq: 10 Oct 2015 16:49

Instrument :

BNA_G

ClientSampleId :

PB86038TB

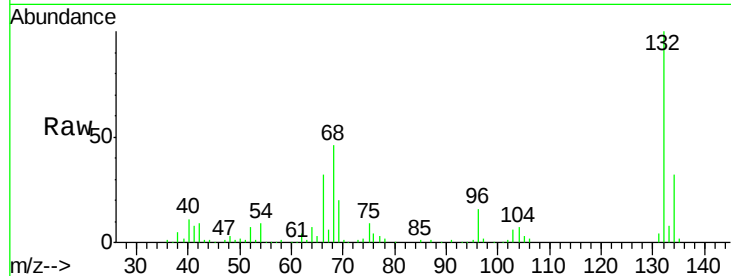
Tot Ion: 93 Resp: 62

Ion Ratio Lower Upper

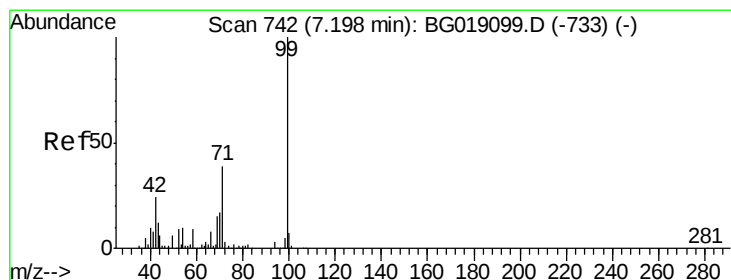
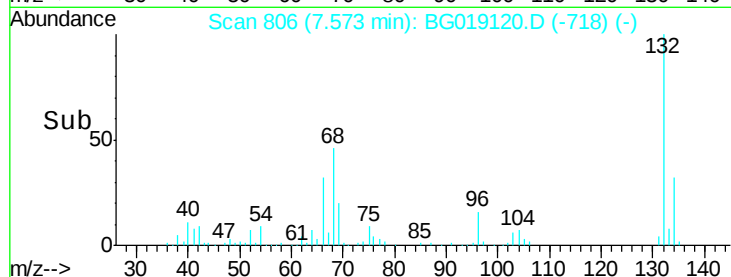
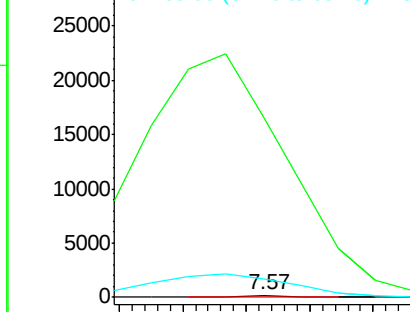
93 100

66 9342.4 37.4 56.2#

65 931.1 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: 125.62 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.01 min

Lab File: BG019120.D

Acq: 10 Oct 2015 16:49

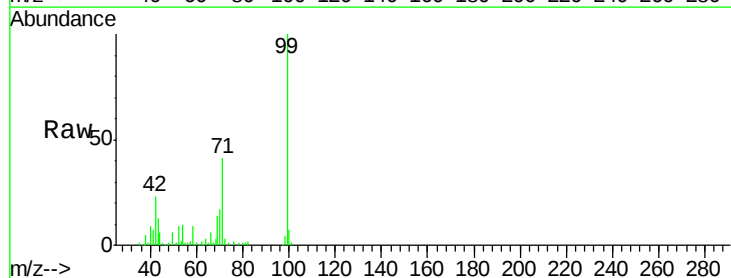
Tgt Ion: 99 Resp: 145620

Ion Ratio Lower Upper

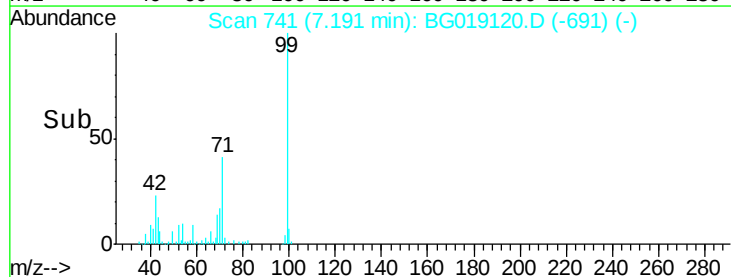
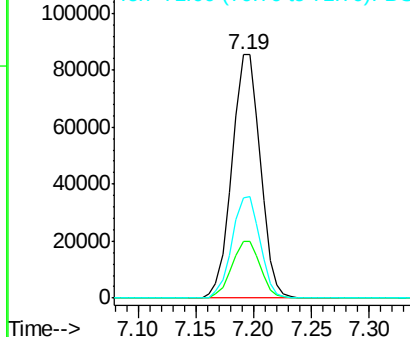
99 100

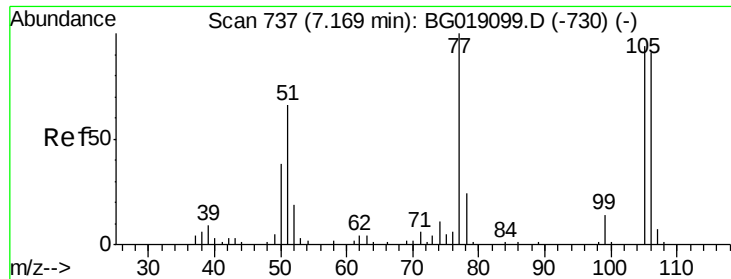
42 23.2 19.5 29.3

71 41.1 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: 0.26 ng

RT: 7.20 min Scan# 742

Delta R.T. 0.03 min

Lab File: BG019120.D

Acq: 10 Oct 2015 16:49

Instrument :

BNA_G

ClientSampled :

PB86038TB

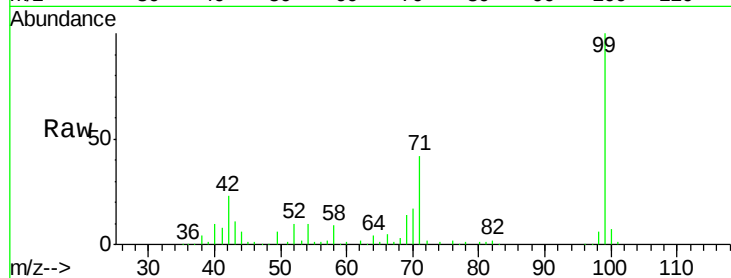
Tot Ion: 77 Resp: 192

Ion Ratio Lower Upper

77 100

105 0.0 73.7 113.7#

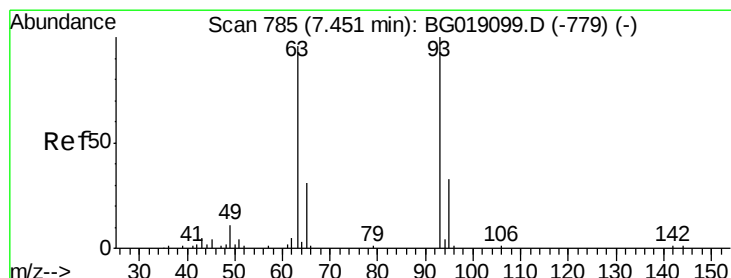
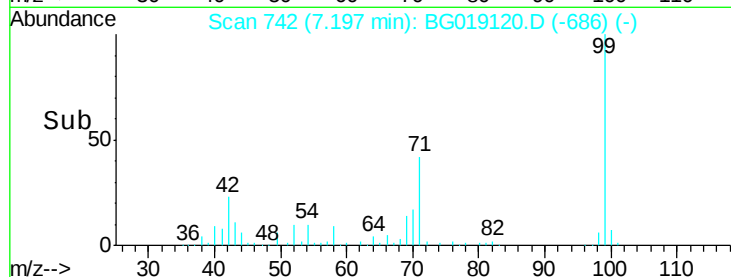
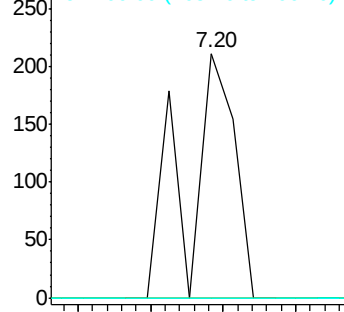
106 0.0 71.0 111.0#



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: 0.07 ng

RT: 7.57 min Scan# 806

Delta R.T. 0.12 min

Lab File: BG019120.D

Acq: 10 Oct 2015 16:49

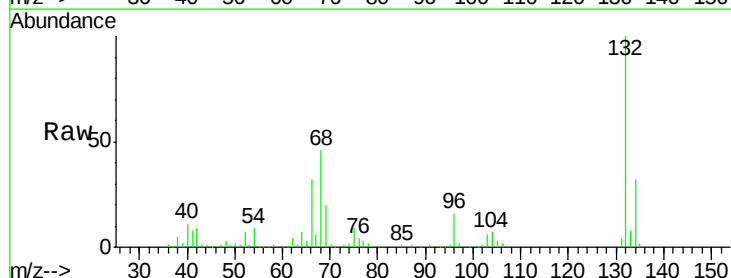
Tgt Ion: 93 Resp: 62

Ion Ratio Lower Upper

93 100

63 435.6 75.3 115.3#

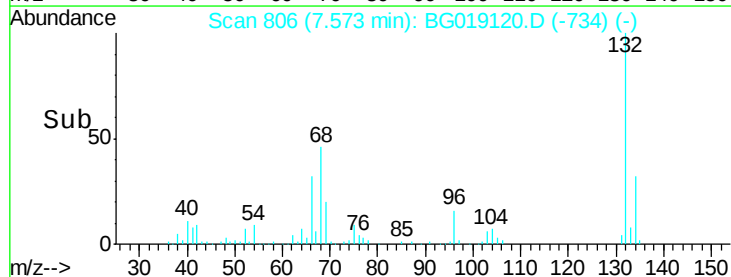
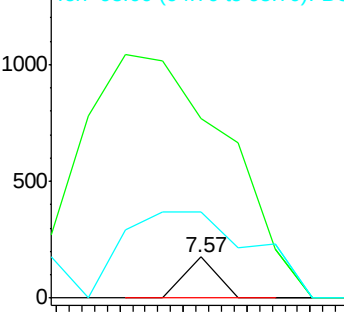
95 209.0 12.9 52.9#

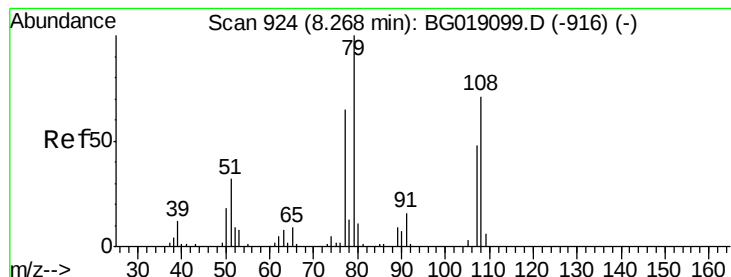


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.54 ng

RT: 8.35 min Scan# 939

Delta R.T. 0.09 min

Lab File: BG019120.D

Acq: 10 Oct 2015 16:49

Instrument :

BNA_G

ClientSampleId :

PB86038TB

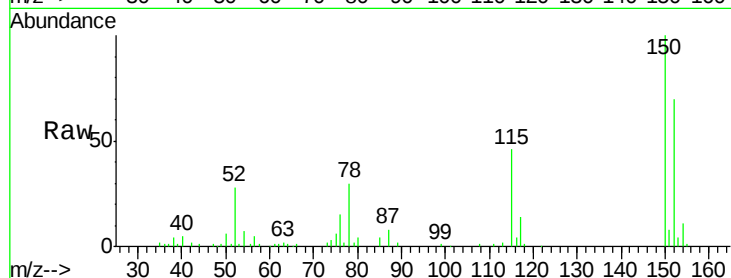
Tot Ion: 79 Resp: 1592

Ion Ratio Lower Upper

79 100

108 41.9 56.6 84.8#

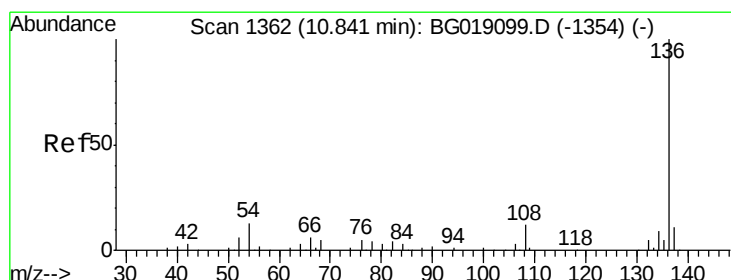
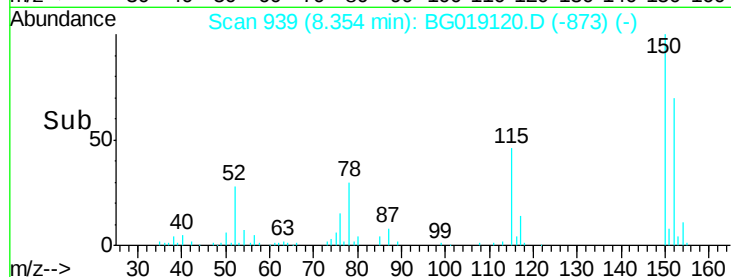
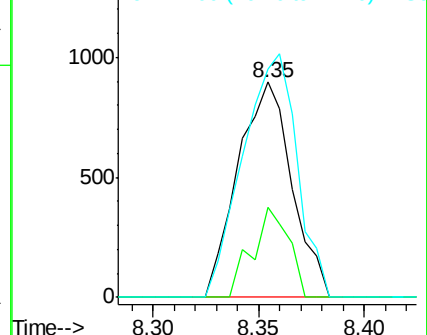
77 105.9 51.6 77.4#



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: BG019120.D

Acq: 10 Oct 2015 16:49

Tgt Ion: 136 Resp: 64717

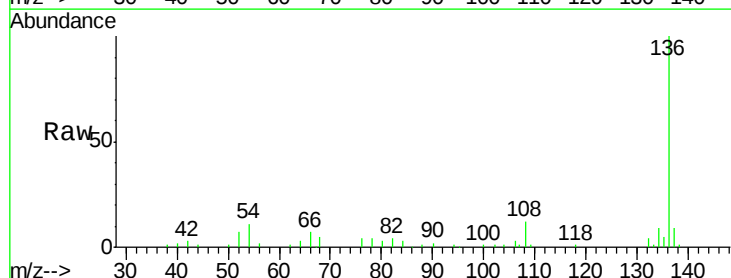
Ion Ratio Lower Upper

136 100

137 9.4 9.0 13.4

54 11.4 10.1 15.1

68 5.0 4.4 6.6

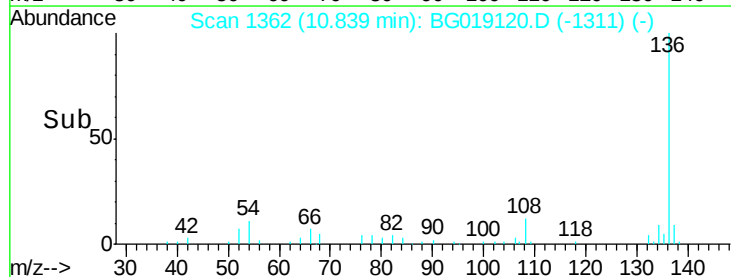
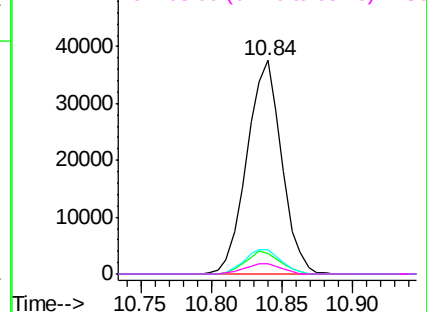


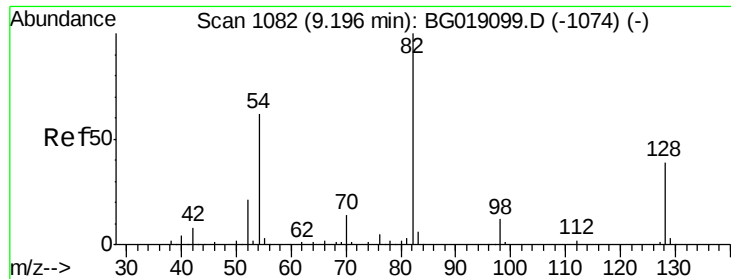
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

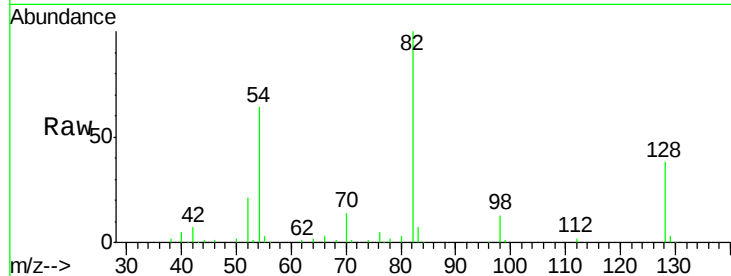




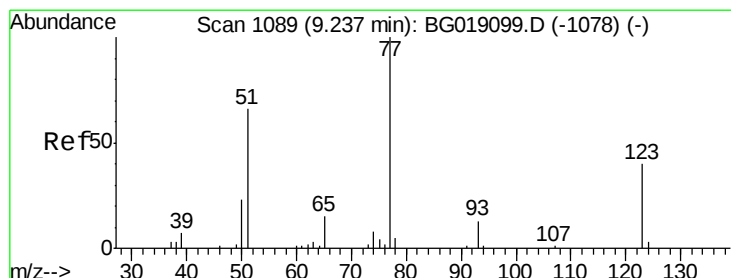
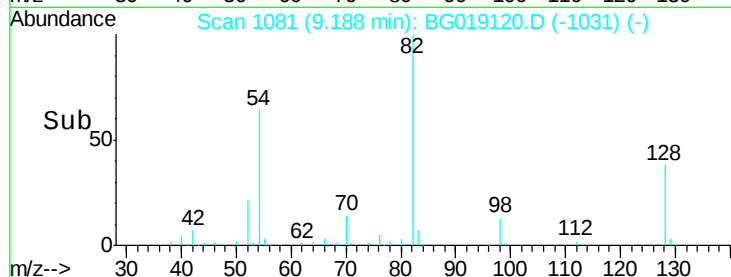
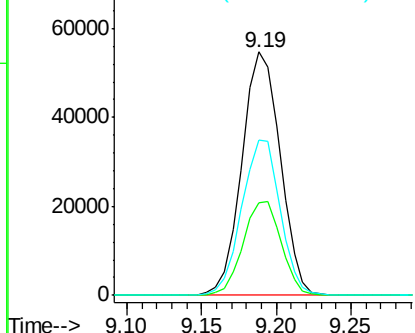
#23
Nitrobenzene-d5
Concen: 83.02 ng
RT: 9.19 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Instrument :
BNA_G
ClientSampleId :
PB86038TB

Tot Ion: 82 Resp: 97242
Ion Ratio Lower Upper
82 100
128 38.1 31.4 47.2
54 63.9 50.0 75.0

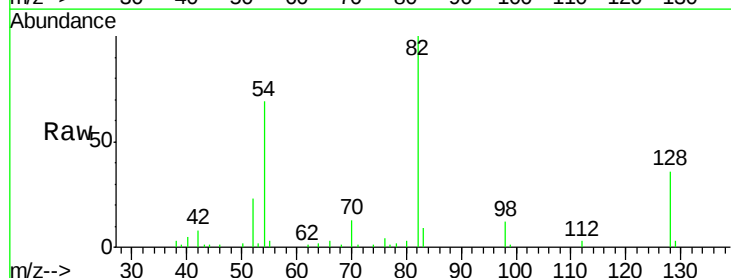


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

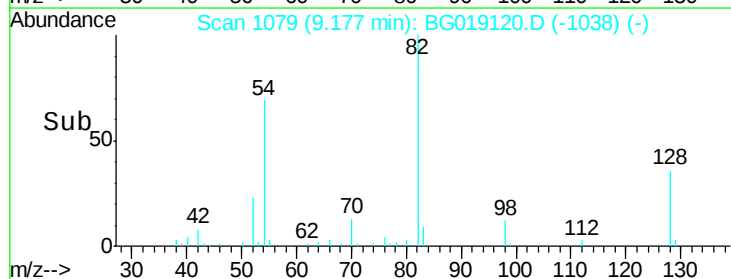
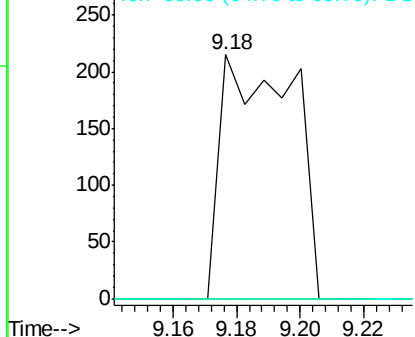


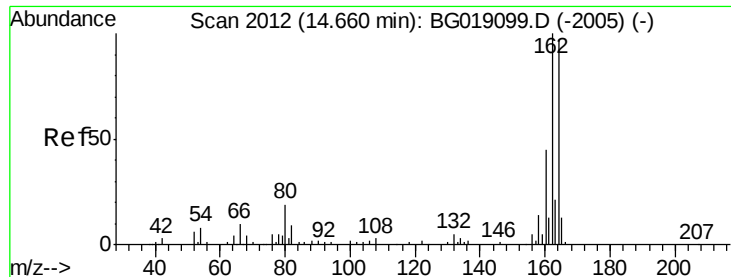
#24
Nitrobenzene
Concen: 0.27 ng
RT: 9.18 min Scan# 1079
Delta R.T. -0.06 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Tgt Ion: 77 Resp: 338
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: BG019120.D

Acq: 10 Oct 2015 16:49

Instrument :

BNA_G

ClientSampleId :

PB86038TB

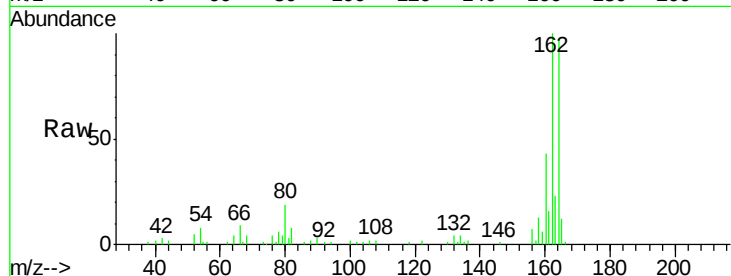
Tot Ion:164 Resp: 46543

Ion Ratio Lower Upper

164 100

162 103.0 82.6 124.0

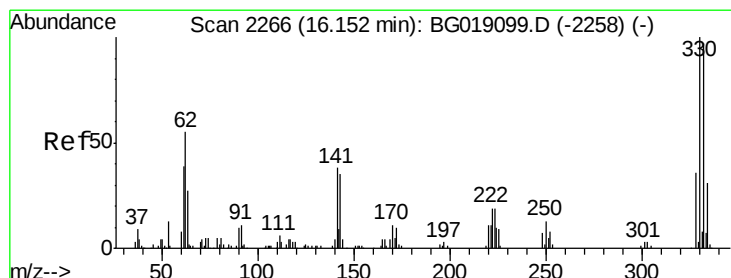
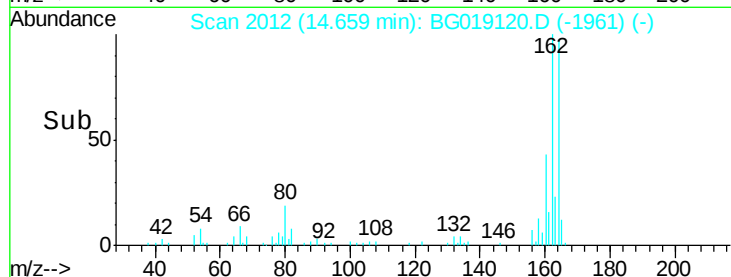
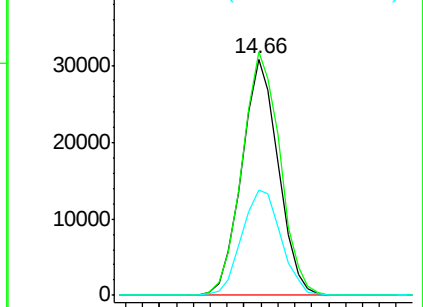
160 44.6 36.9 55.3



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: 123.42 ng

RT: 16.15 min Scan# 2266

Delta R.T. 0.00 min

Lab File: BG019120.D

Acq: 10 Oct 2015 16:49

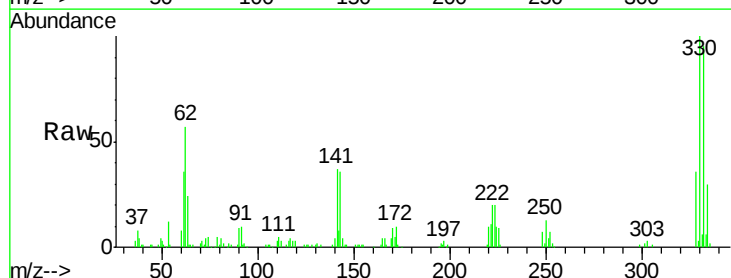
Tgt Ion:330 Resp: 78276

Ion Ratio Lower Upper

330 100

332 94.1 77.3 115.9

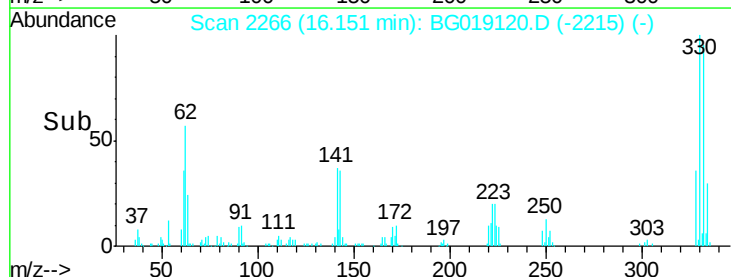
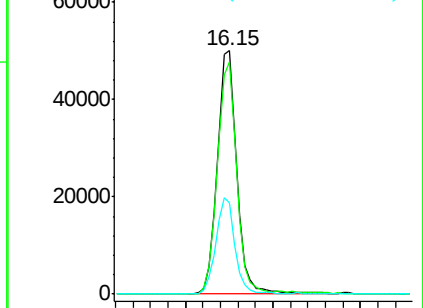
141 38.2 30.7 46.1

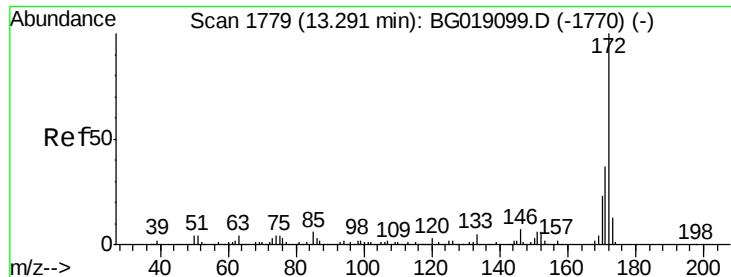


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

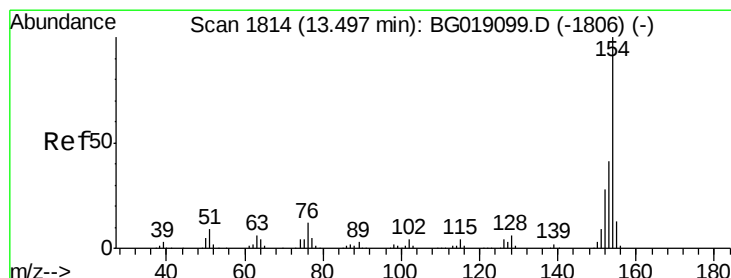
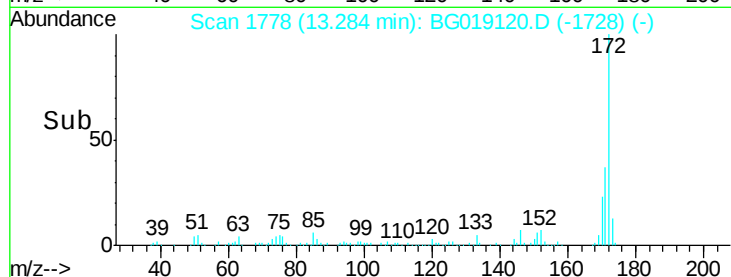
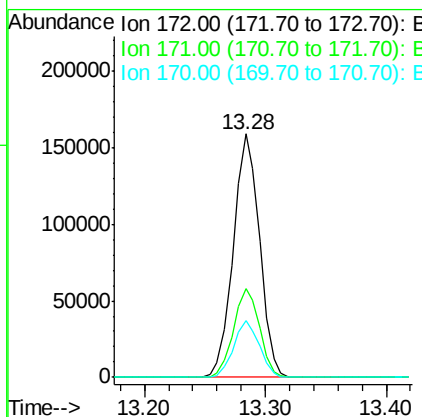
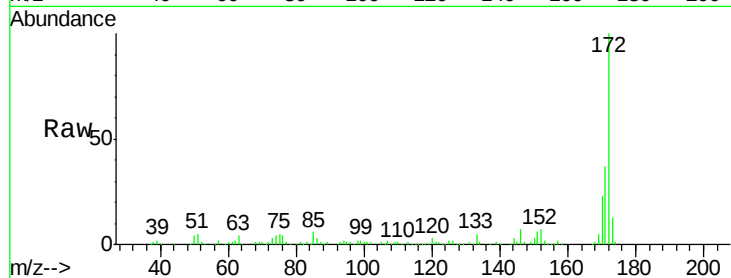




#44
2-Fluorobiphenyl
Concen: 79.56 ng
RT: 13.28 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

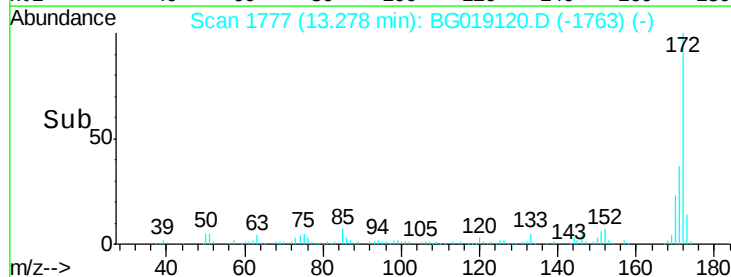
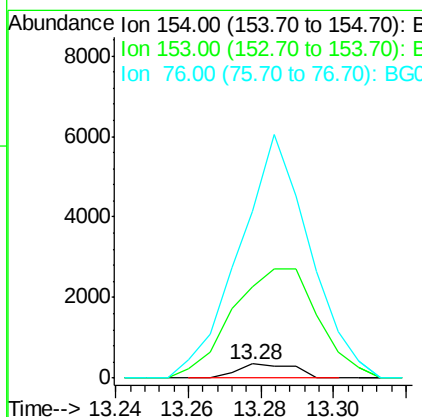
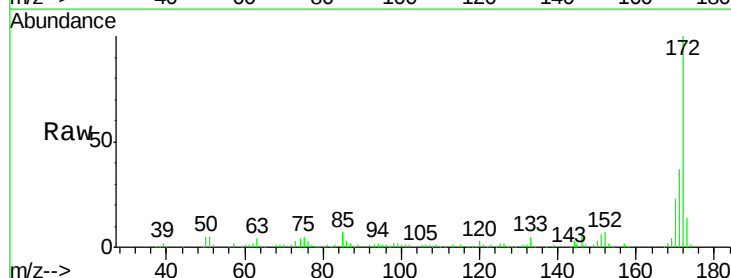
Instrument :
BNA_G
ClientSampleId :
PB86038TB

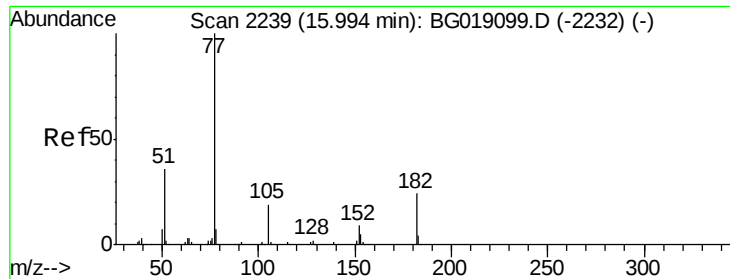
Tot Ion:172 Resp: 240823
Ion Ratio Lower Upper
172 100
171 36.5 29.9 44.9
170 23.3 18.6 27.8



#45
1,1'-Biphenyl
Concen: 0.11 ng
RT: 13.28 min Scan# 1777
Delta R.T. -0.22 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Tgt Ion:154 Resp: 380
Ion Ratio Lower Upper
154 100
153 653.9 20.6 60.6#
76 1196.5 0.0 32.2#

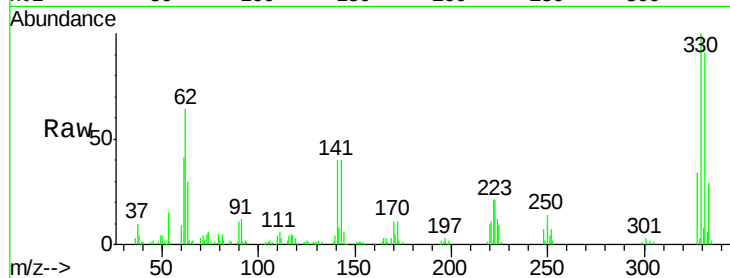




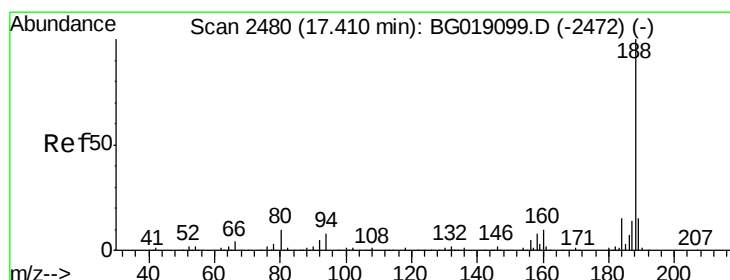
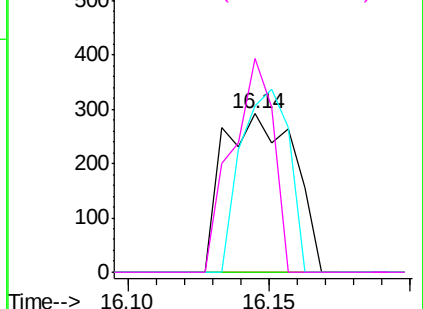
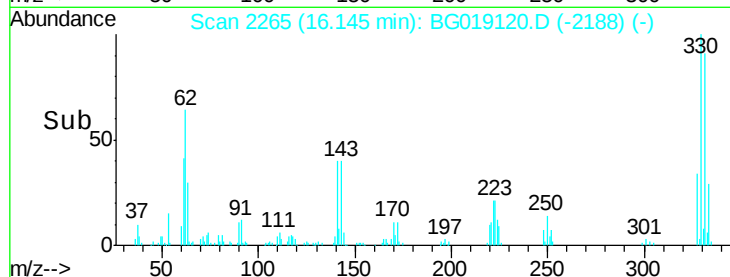
#62
Azobenzene
Concen: 0.14 ng
RT: 16.14 min Scan# 2265
Delta R.T. 0.15 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Instrument :
BNA_G
ClientSampleId :
PB86038TB

Tot Ion: 77 Resp: 509
Ion Ratio Lower Upper
77 100
182 0.0 4.4 44.4#
105 105.2 0.0 39.1#
51 135.1 15.9 55.9#

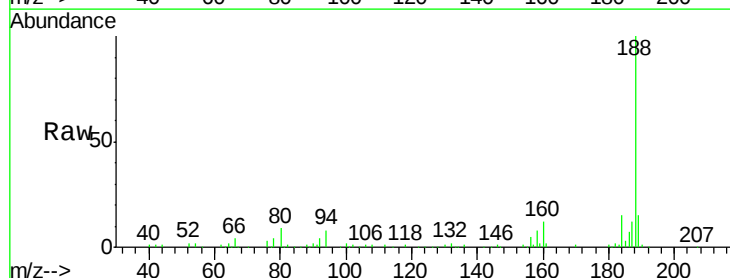


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

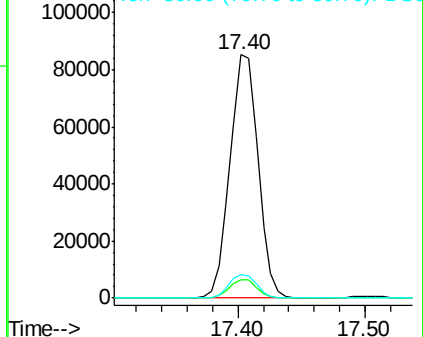
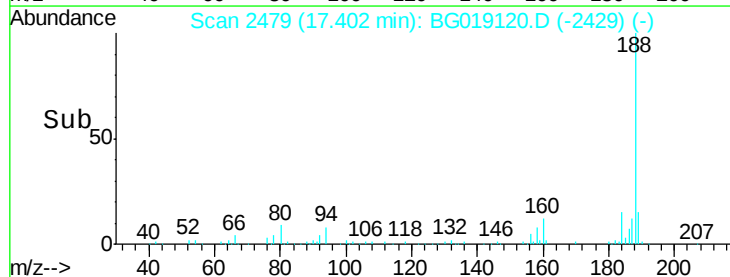


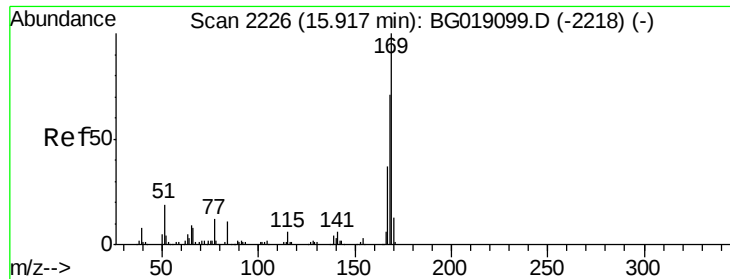
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.40 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Tgt Ion: 188 Resp: 130237
Ion Ratio Lower Upper
188 100
94 7.7 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

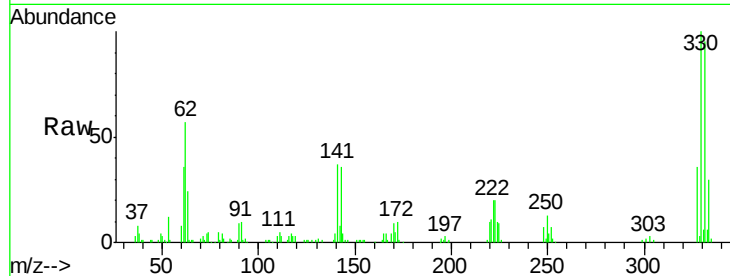




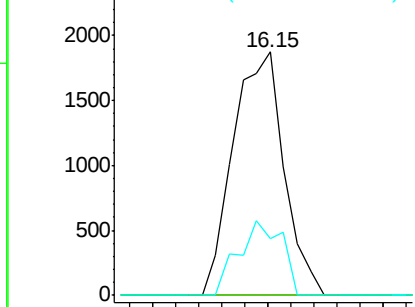
#65
 n-Nitrosodiphenylamine
 Concen: 0.80 ng
 RT: 16.15 min Scan# 2266
 Delta R.T. 0.24 min
 Lab File: BG019120.D
 Acq: 10 Oct 2015 16:49

Instrument :
 BNA_G
 ClientSampleID :
 PB86038TB

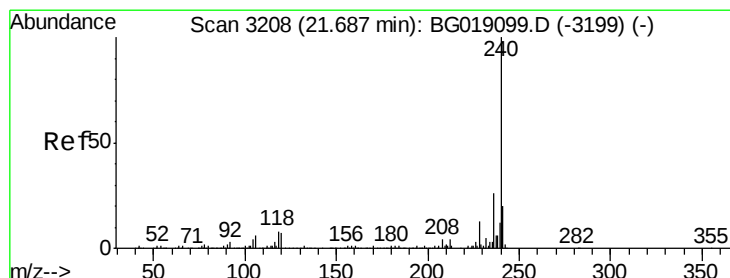
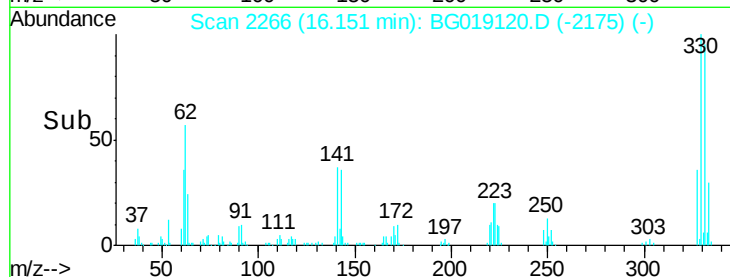
Tot Ion	Ratio	Lower	Upper
169	100		
168	0.0	56.6	84.8#
167	23.5	30.0	45.0#



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

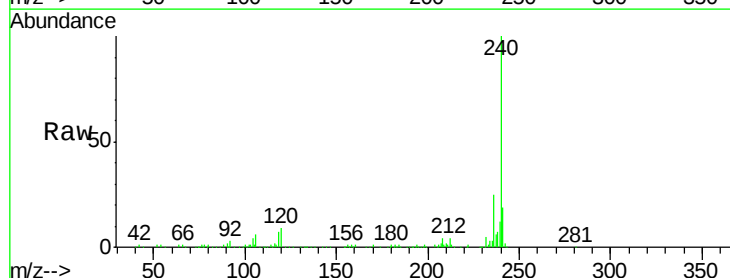


Time-->

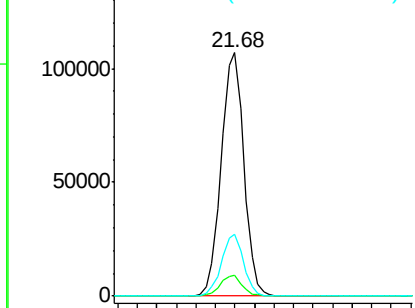


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: BG019120.D
 Acq: 10 Oct 2015 16:49

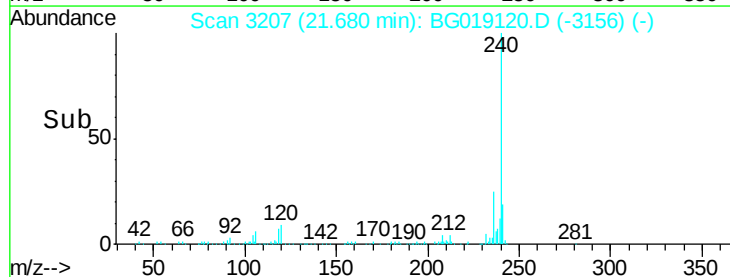
Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.7	5.8	8.6#
236	25.2	21.2	31.8

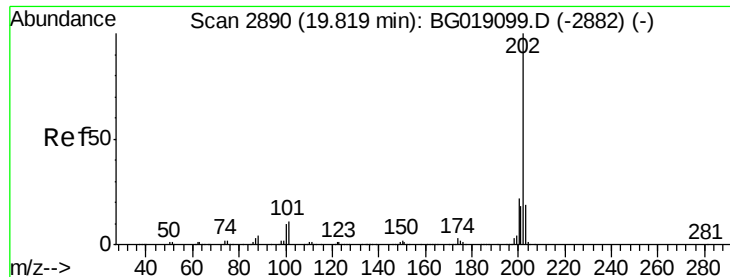


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 0.23 ng

RT: 20.02 min Scan# 2925

Delta R.T. 0.21 min

Lab File: BG019120.D

Acq: 10 Oct 2015 16:49

Instrument :

BNA_G

ClientSampleId :

PB86038TB

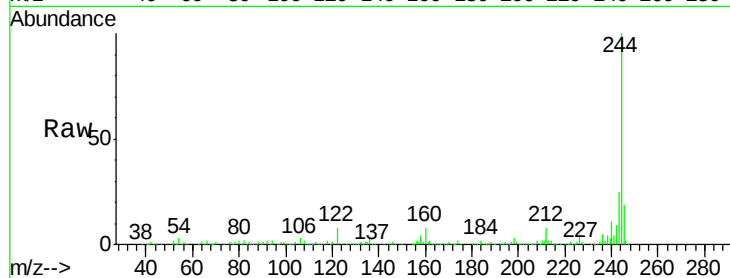
Tot Ion:202 Resp: 2221

Ion Ratio Lower Upper

202 100

200 45.9 17.4 26.2#

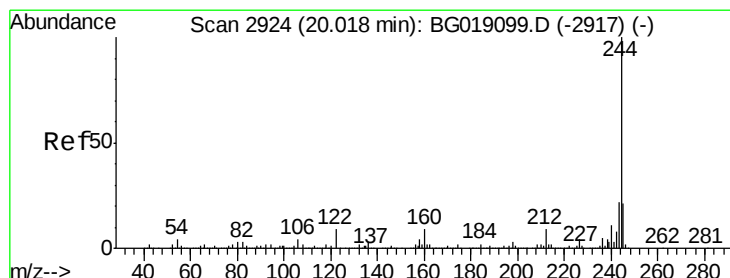
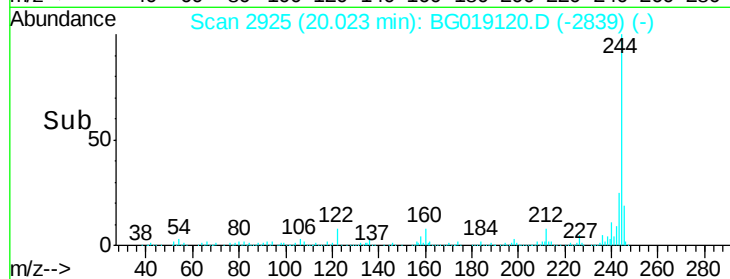
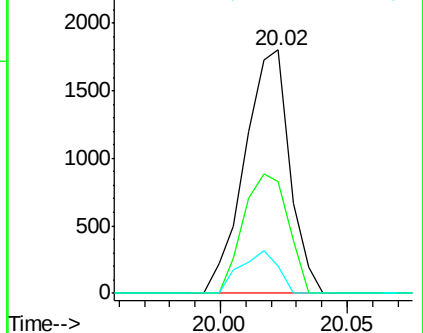
203 11.4 14.8 22.2#



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: 81.59 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BG019120.D

Acq: 10 Oct 2015 16:49

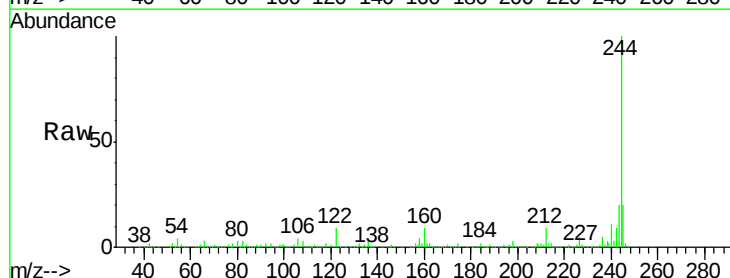
Tgt Ion:244 Resp: 531691

Ion Ratio Lower Upper

244 100

212 8.6 6.8 10.2

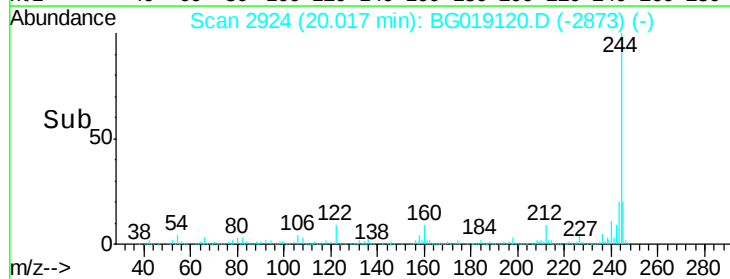
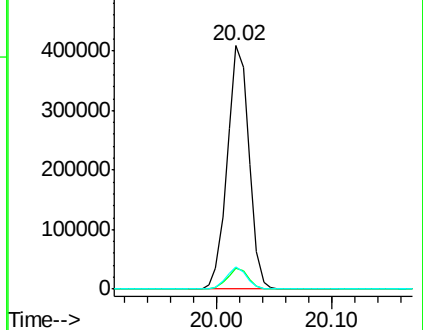
122 9.0 7.4 11.2

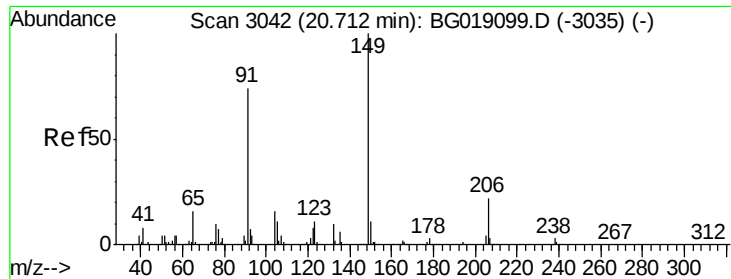


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

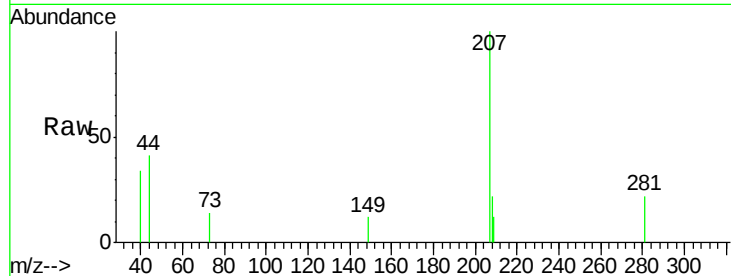




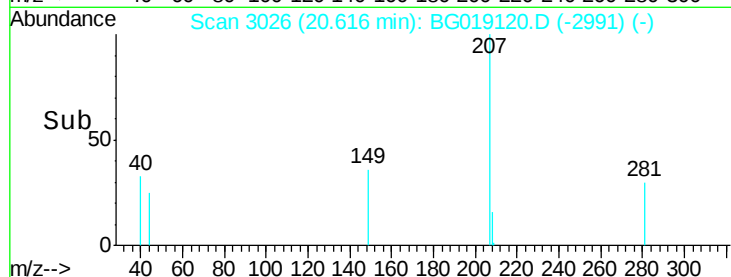
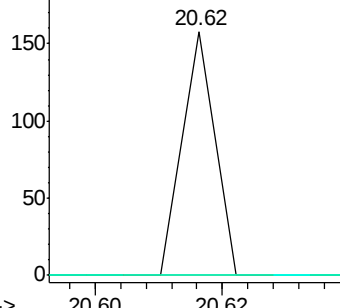
#79
Butylbenzylphthalate
Concen: 0.01 ng
RT: 20.62 min Scan# 3026
Delta R.T. -0.09 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Instrument :
BNA_G
ClientSampleId :
PB86038TB

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

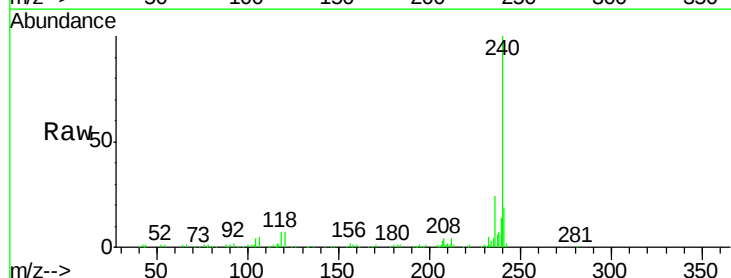
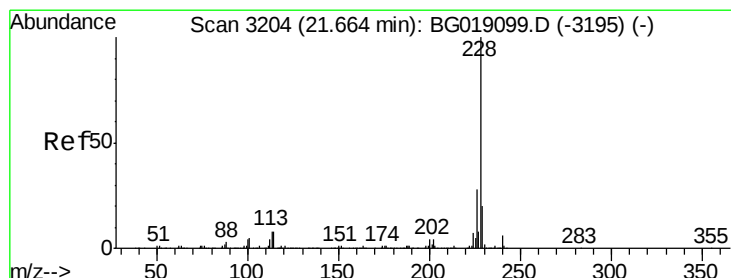


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BGC
Ion 206.00 (205.70 to 206.70): E

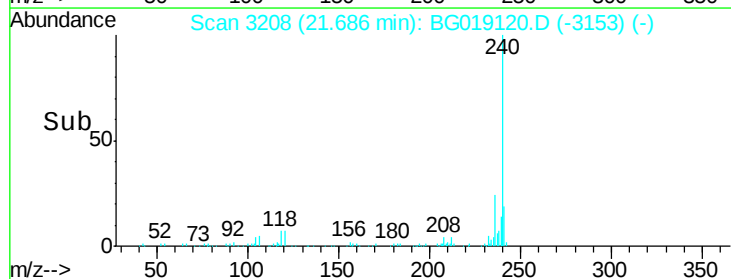
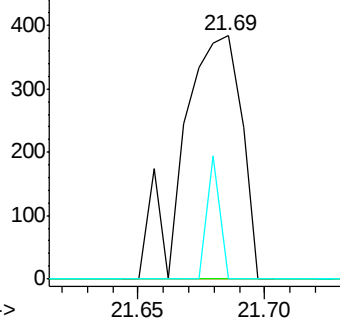


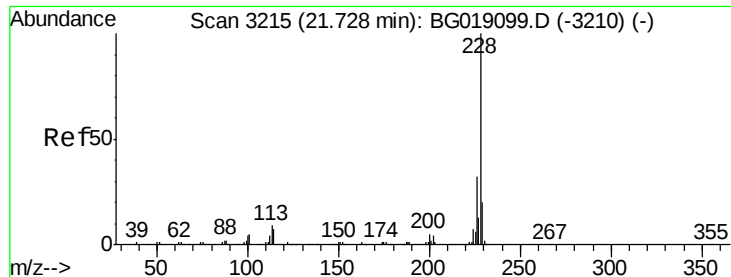
#80
Benzo(a)anthracene
Concen: 0.07 ng
RT: 21.69 min Scan# 3208
Delta R.T. 0.02 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Tgt 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: 21.69 min Scan# 3208

Delta R.T. -0.04 min

Lab File: BG019120.D

Acq: 10 Oct 2015 16:49

Instrument :

BNA_G

ClientSampleId :

PB86038TB

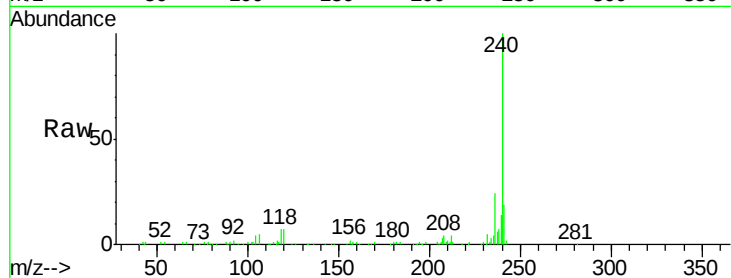
Tot Ion:228 Resp: 616

Ion Ratio Lower Upper

228 100

226 0.0 25.2 37.8#

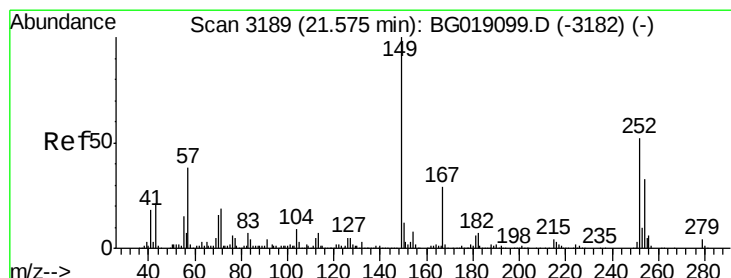
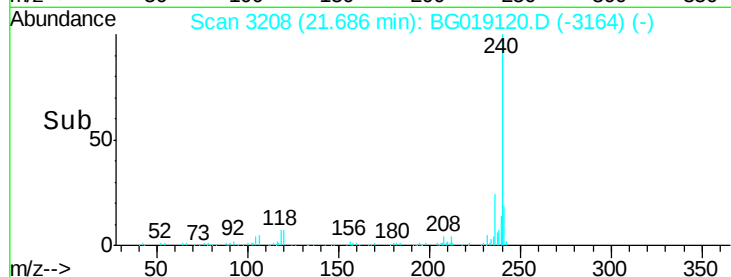
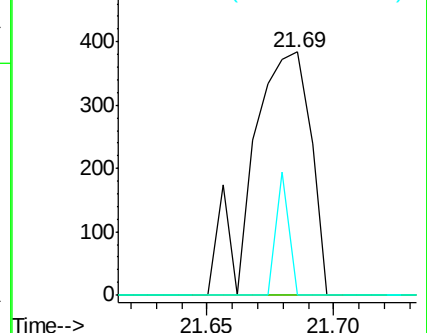
229 0.0 16.3 24.5#



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: 0.02 ng

RT: 21.60 min Scan# 3193

Delta R.T. 0.02 min

Lab File: BG019120.D

Acq: 10 Oct 2015 16:49

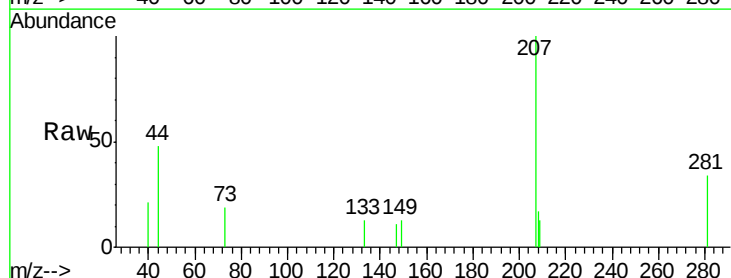
Tgt Ion:149 Resp: 126

Ion Ratio Lower Upper

149 100

167 0.0 22.8 34.2#

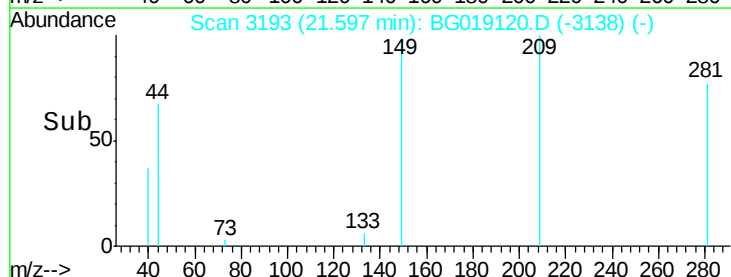
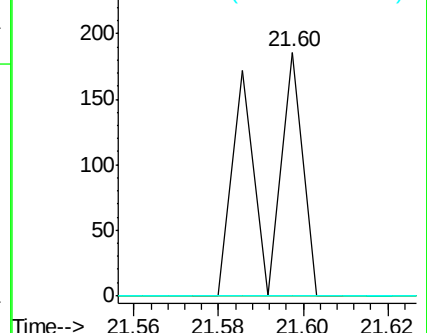
279 0.0 3.6 5.4#

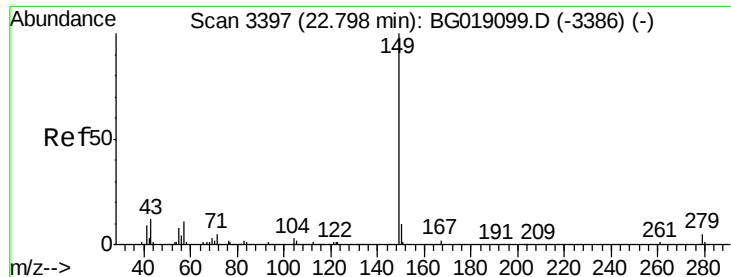


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

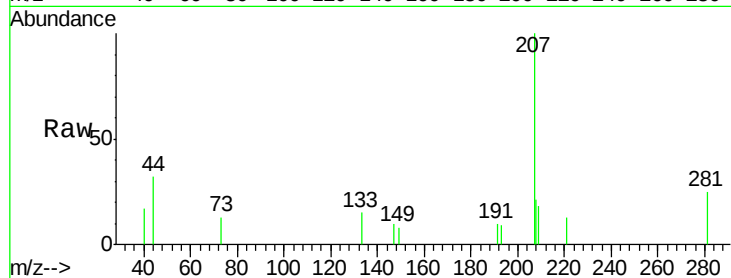




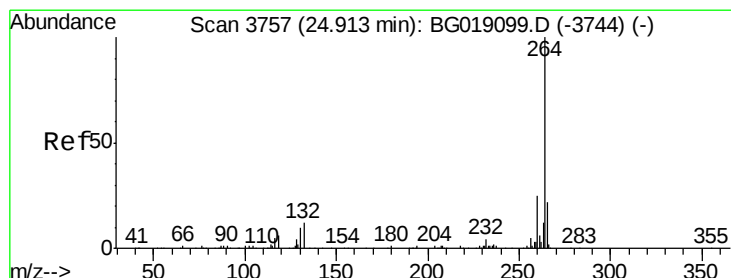
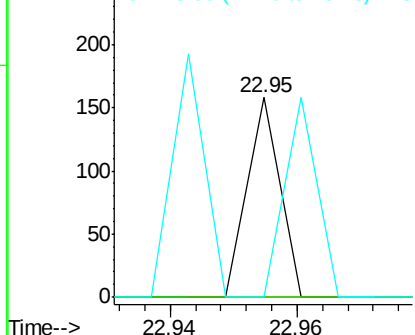
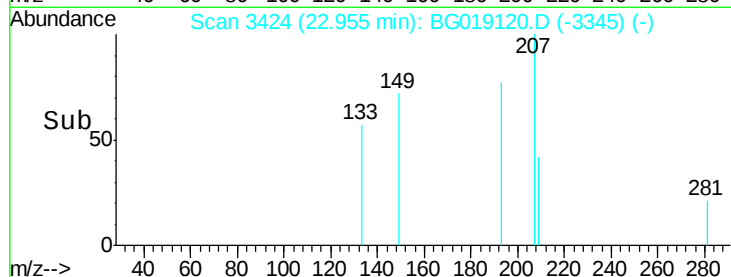
#84
Di-n-octyl phthalate
Concen: 0.01 ng
RT: 22.95 min Scan# 3424
Delta R.T. 0.16 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Instrument :
BNA_G
ClientSampleId :
PB86038TB

Tot Ion:149 Resp: 56
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 100.0 10.1 15.1#

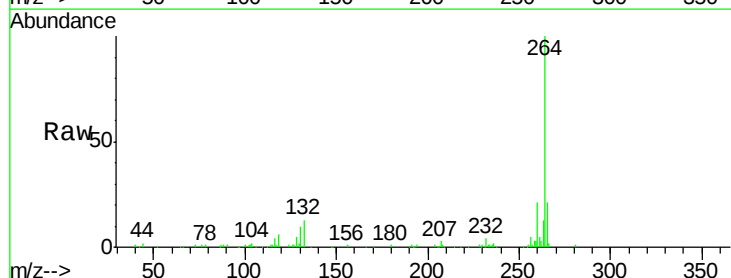


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

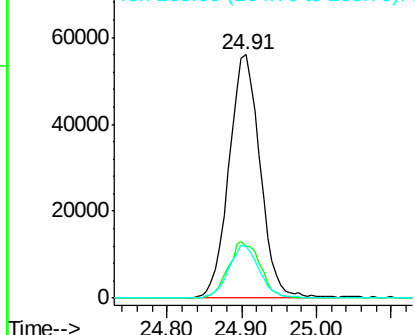
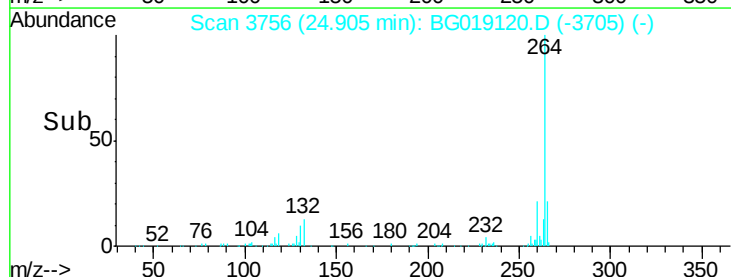


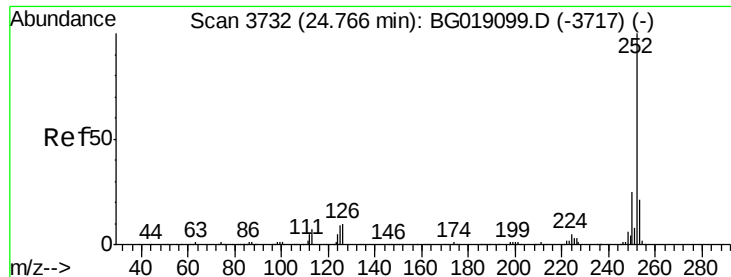
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.91 min Scan# 3756
Delta R.T. 0.00 min
Lab File: BG019120.D
Acq: 10 Oct 2015 16:49

Tgt Ion:264 Resp: 163007
Ion Ratio Lower Upper
264 100
260 21.4 20.1 30.1
265 21.2 17.2 25.8



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





#89

Benzo(a)pyrene

Concen: 0.01 ng

RT: 24.88 min Scan# 3751

Delta R.T. 0.12 min

Lab File: BG019120.D

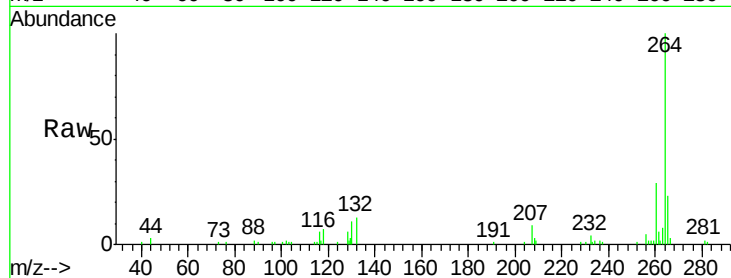
Acq: 10 Oct 2015 16:49

Instrument :

BNA_G

ClientSampleId :

PB86038TB



Tot Ion:	252	Resp:	59
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.0	25.4#
125	0.0	7.2	10.8#

