

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021116\
 Data File : BG020858.D
 Acq On : 11 Feb 2016 16:11
 Operator : SJ/UM
 Sample : PB87600BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB87600BL

Quant Time: Feb 11 22:42:31 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	20167	20.00	ng	0.00
21) Naphthalene-d8	11.10	136	97446	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	62916	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	138477	20.00	ng	0.00
75) Chrysene-d12	21.90	240	133344	20.00	ng	0.00
86) Perylene-d12	25.28	264	122886	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.80	112	145488	121.49	ng	0.00
7) Phenol-d6	7.41	99	200439	114.52	ng	0.00
23) Nitrobenzene-d5	9.44	82	109204	73.68	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	76958	124.38	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	311862	69.63	ng	0.00
78) Terphenyl-d14	20.20	244	450754	78.86	ng	0.00

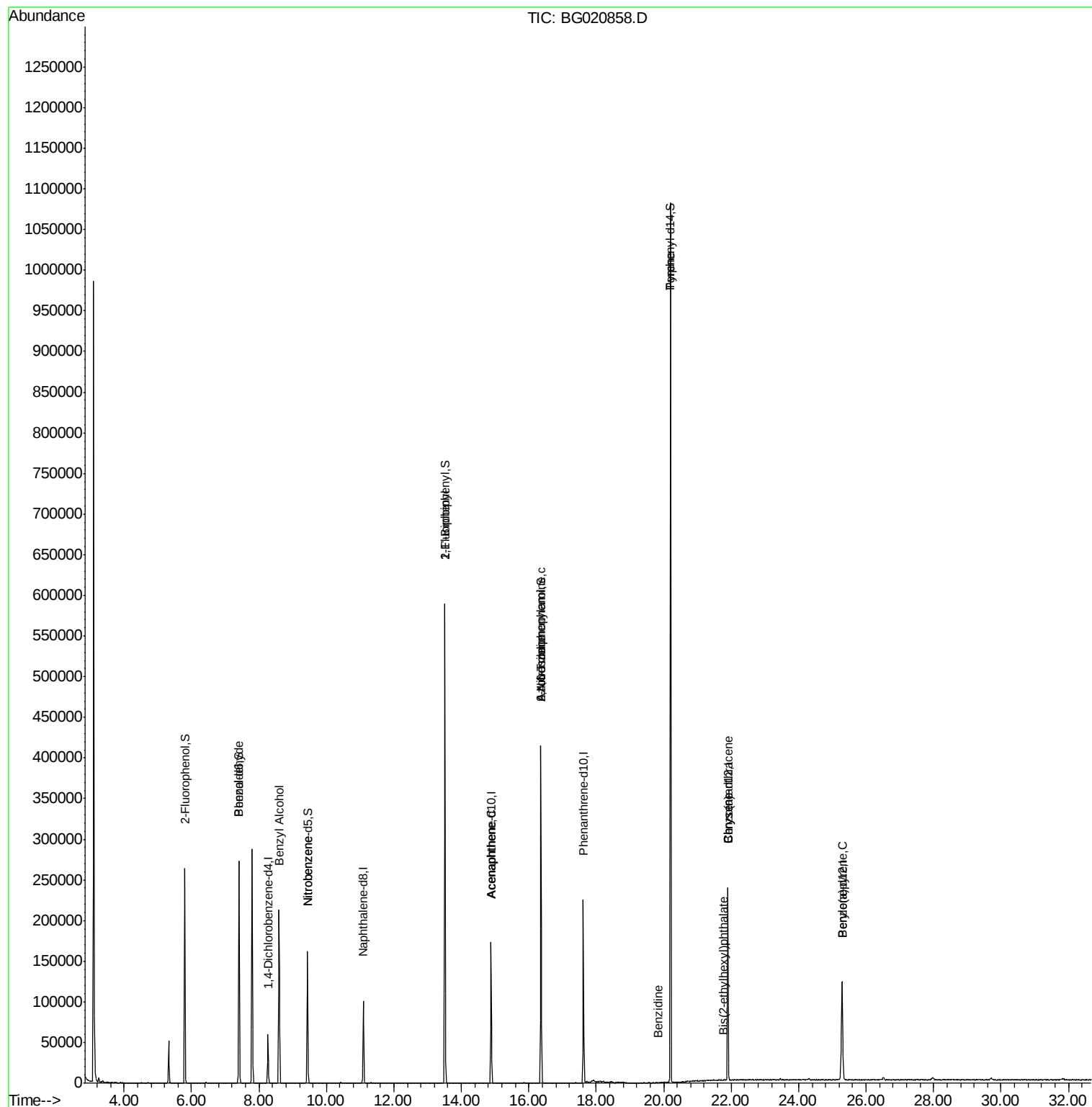
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.41	77	60	0.07	ng	# 1
15) Benzyl Alcohol	8.60	79	1406	1.27	ng	# 32
24) Nitrobenzene	9.44	77	62	0.04	ng	# 33
45) 1,1'-Biphenyl	13.51	154	499	0.09	ng	# 1
51) Acenaphthene	14.89	154	111	0.03	ng	# 2
62) Azobenzene	16.36	77	310	0.08	ng	# 4
65) n-Nitrosodiphenylamine	16.36	169	2607	0.58	ng	# 30
76) Benzidine	19.82	184	58	0.01	ng	# 64
77) Pyrene	20.20	202	1402	0.16	ng	# 66
80) Benzo(a)anthracene	21.89	228	512	0.06	ng	# 50
82) Chrysene	21.89	228	512	0.07	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.77	149	62	0.01	ng	# 54
89) Benzo(a)pyrene	25.29	252	327	0.05	ng	# 57

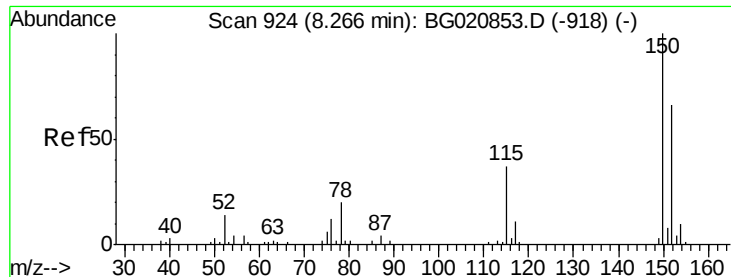
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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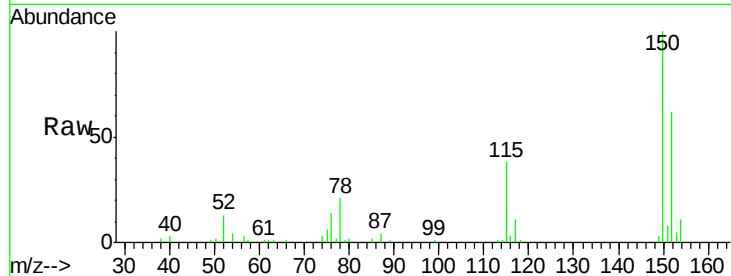


#1

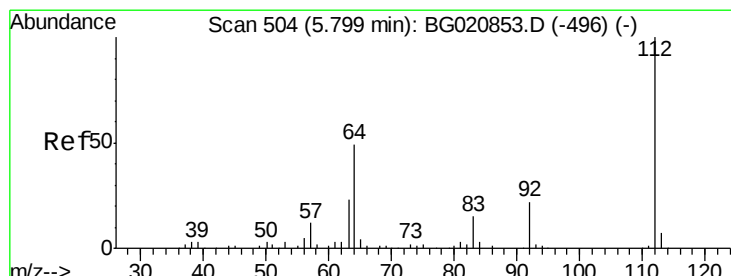
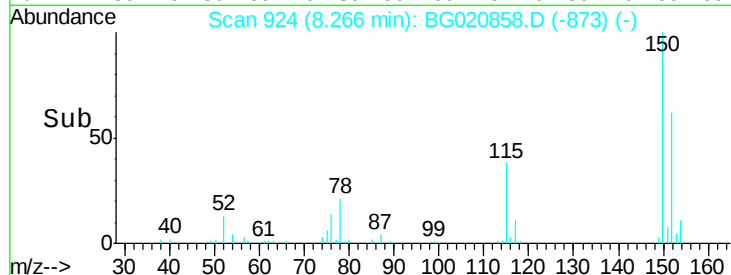
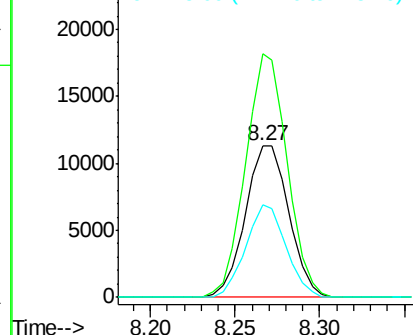
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG020858.D
Acq: 11 Feb 2016 16:11

Instrument :
BNA_G
ClientSampleId :
PB87600BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.4	122.0	183.0
115	60.9	45.2	67.8



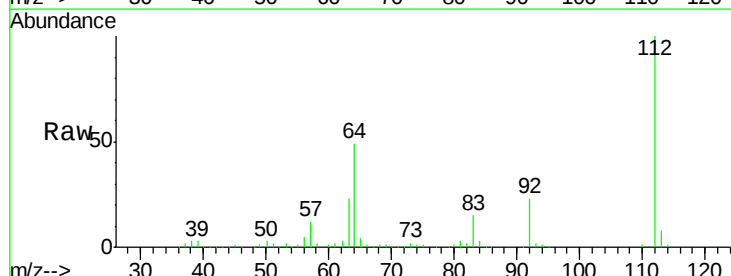
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



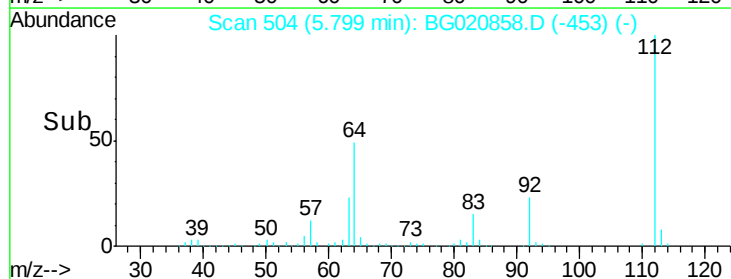
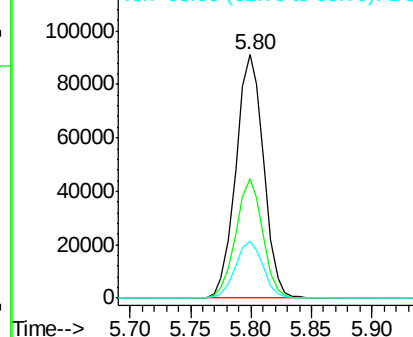
#5

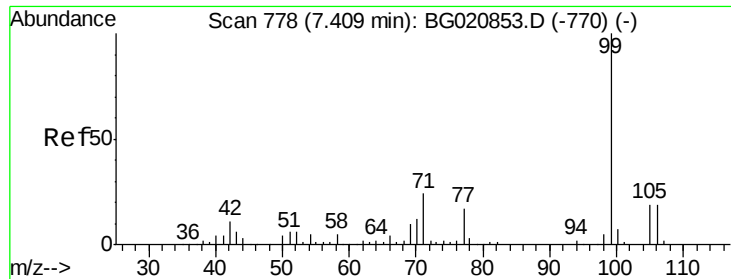
2-Fluorophenol
Concen: 121.49 ng
RT: 5.80 min Scan# 504
Delta R.T. -0.00 min
Lab File: BG020858.D
Acq: 11 Feb 2016 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.9	39.3	58.9
63	23.2	18.2	27.4



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





#7

Phenol-d6

Concen: 114.52 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

Instrument :

BNA_G

ClientSampleId :

PB87600BL

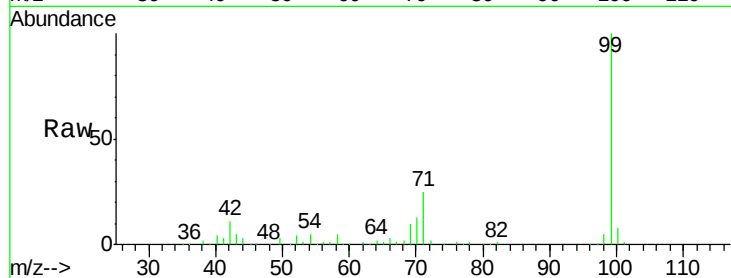
Tgt Ion: 99 Resp: 200439

Ion Ratio Lower Upper

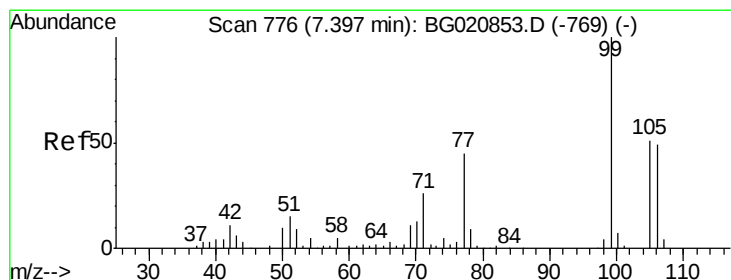
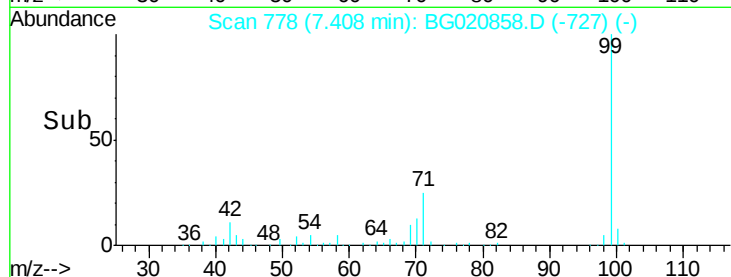
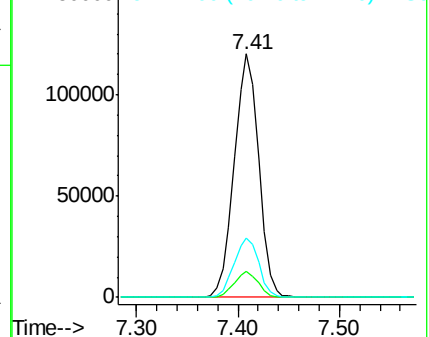
99 100

42 10.7 8.4 12.6

71 24.5 19.4 29.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 0.07 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.01 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

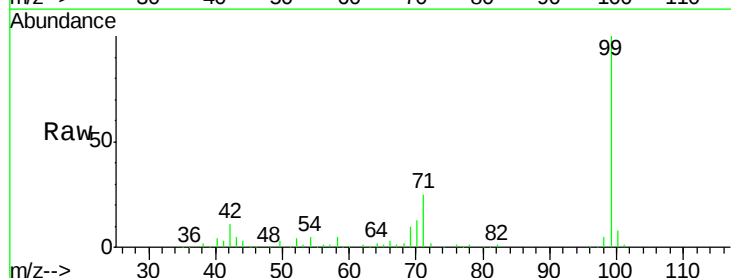
Tgt Ion: 77 Resp: 60

Ion Ratio Lower Upper

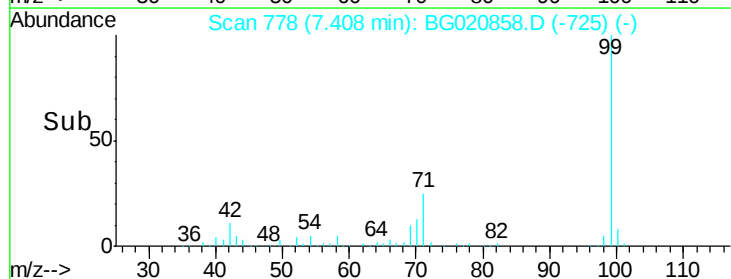
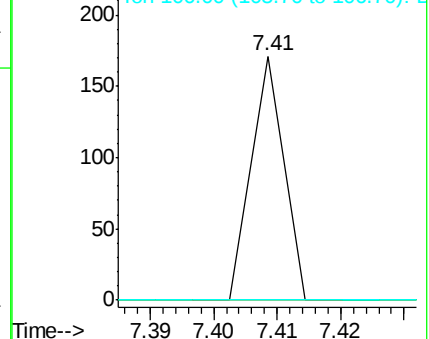
77 100

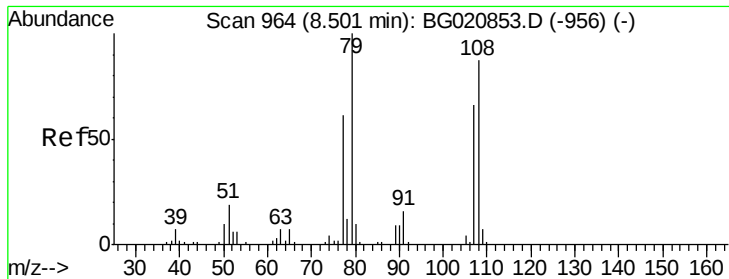
105 0.0 93.4 133.4#

106 0.0 88.7 128.7#



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





#15

Benzyl Alcohol

Concen: 1.27 ng

RT: 8.60 min Scan# 980

Delta R.T. 0.09 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

Instrument :

BNA_G

ClientSampled :

PB87600BL

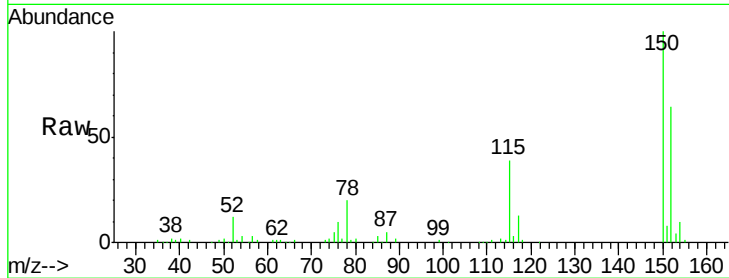
Tgt Ion: 79 Resp: 1406

Ion Ratio Lower Upper

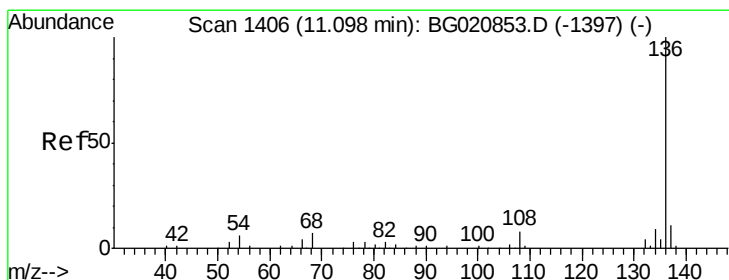
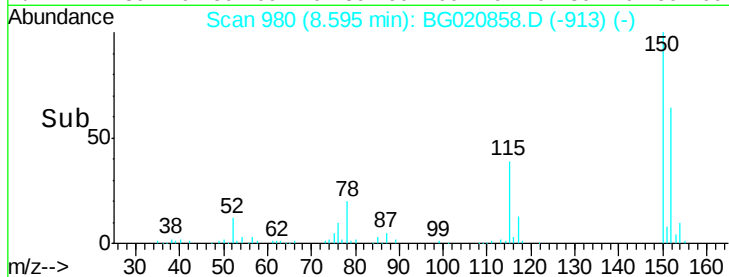
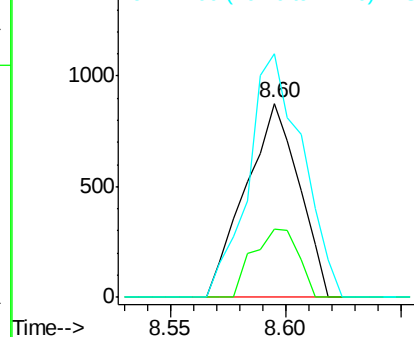
79 100

108 35.2 69.4 104.2#

77 125.3 48.6 73.0#



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: 11.10 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

Tgt Ion: 136 Resp: 97446

Ion Ratio Lower Upper

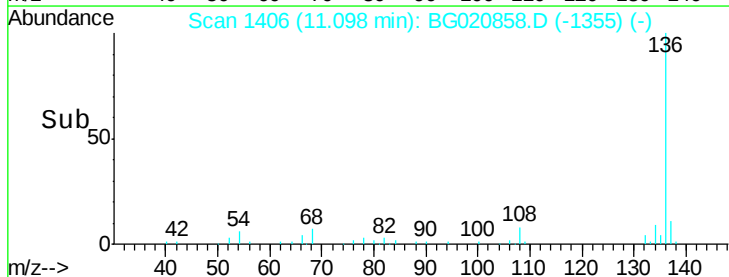
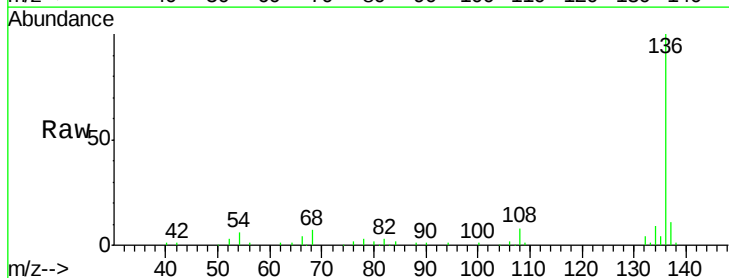
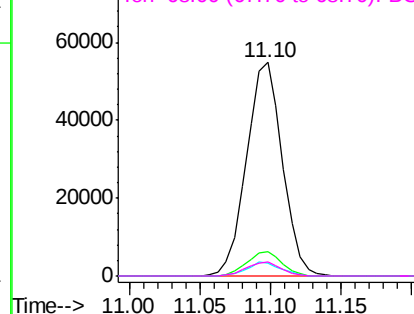
136 100

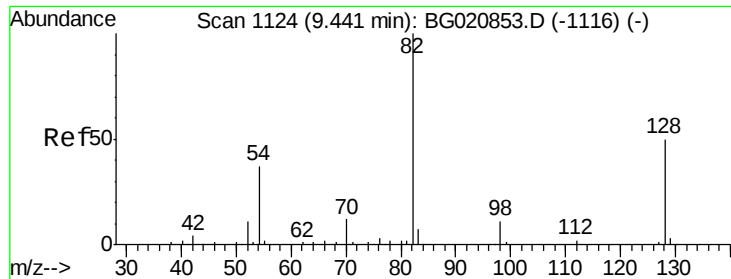
137 11.4 8.8 13.2

54 5.8 5.0 7.4

68 6.7 5.2 7.8

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

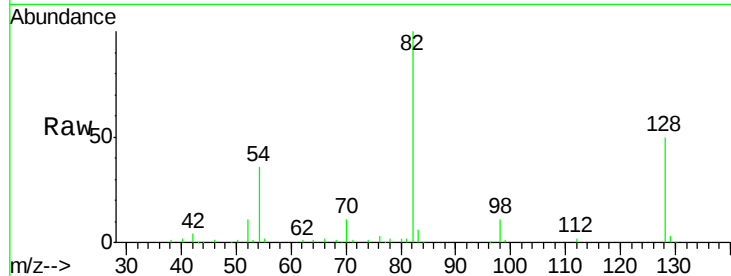




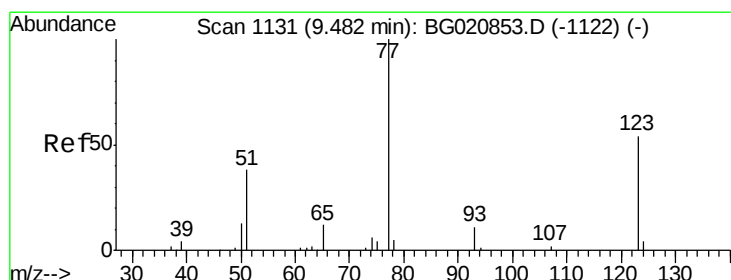
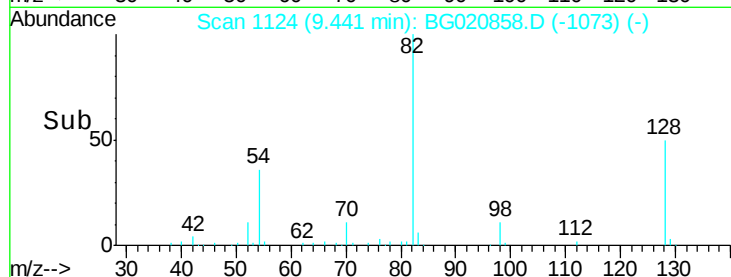
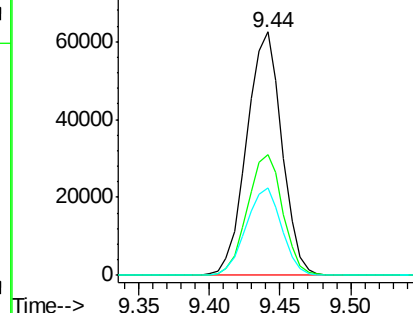
#23
 Nitrobenzene-d5
 Concen: 73.68 ng
 RT: 9.44 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BG020858.D
 Acq: 11 Feb 2016 16:11

Instrument :
 BNA_G
 ClientSampleId :
 PB87600BL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.8	40.1	60.1
54	36.0	29.5	44.3

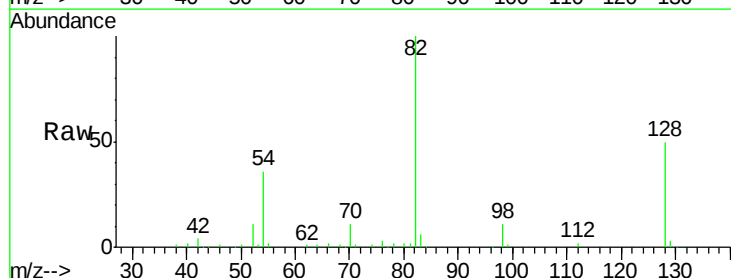


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

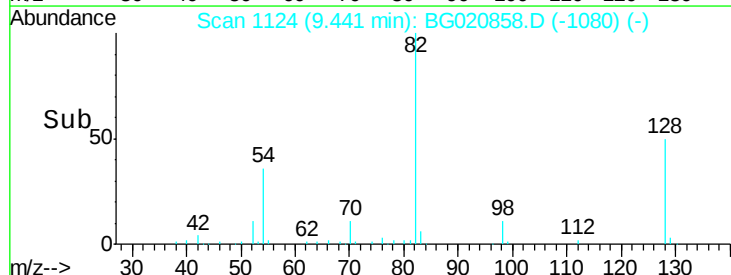
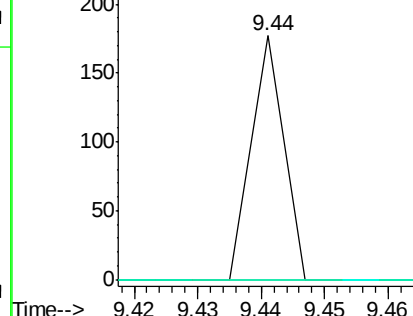


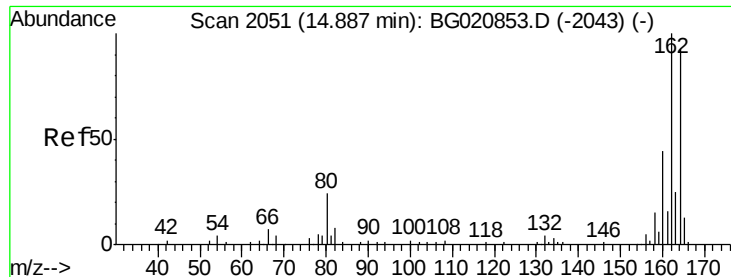
#24
 Nitrobenzene
 Concen: 0.04 ng
 RT: 9.44 min Scan# 1124
 Delta R.T. -0.04 min
 Lab File: BG020858.D
 Acq: 11 Feb 2016 16:11

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	43.2	64.8#
65	0.0	9.2	13.8#



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: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

Instrument :

BNA_G

ClientSampled :

PB87600BL

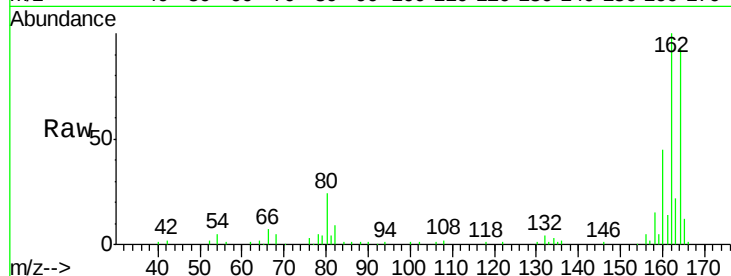
Tgt Ion:164 Resp: 62916

Ion Ratio Lower Upper

164 100

162 107.1 85.7 128.5

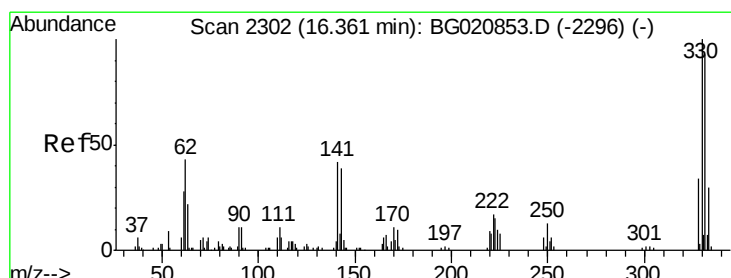
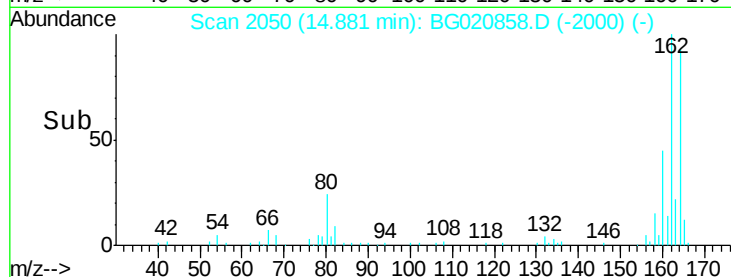
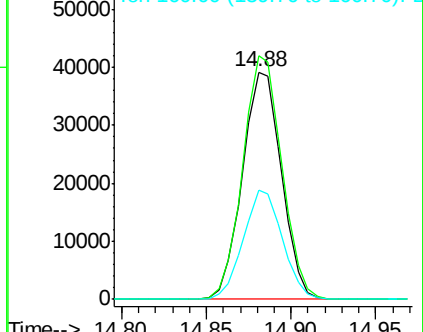
160 47.8 37.4 56.0



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: 124.38 ng

RT: 16.36 min Scan# 2302

Delta R.T. -0.00 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

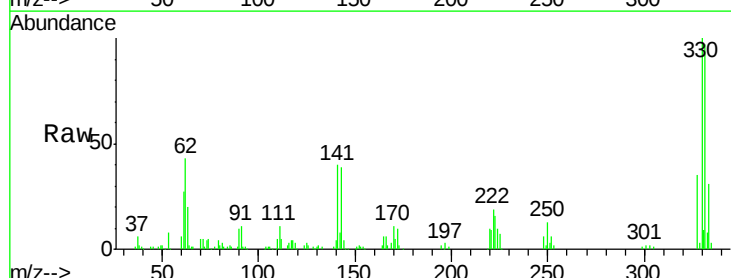
Tgt Ion:330 Resp: 76958

Ion Ratio Lower Upper

330 100

332 96.0 76.1 114.1

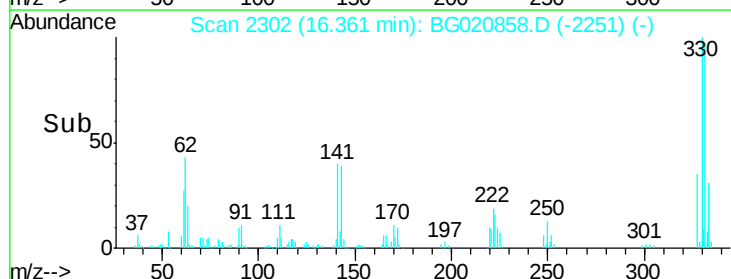
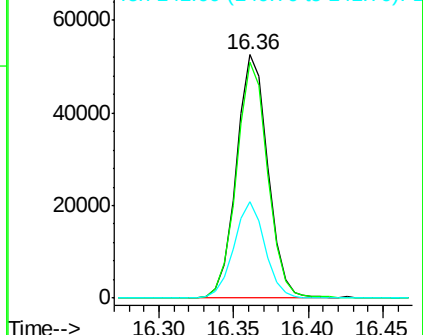
141 39.2 32.0 48.0

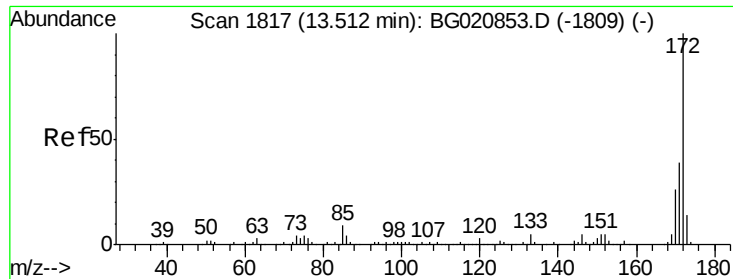


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

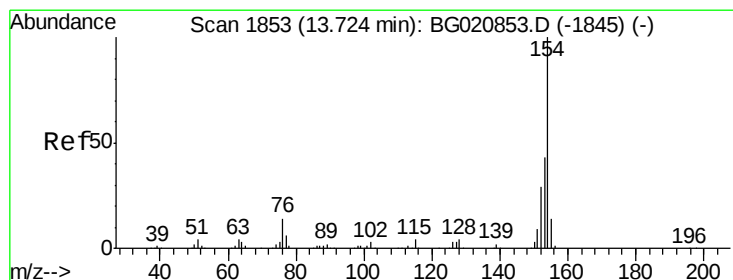
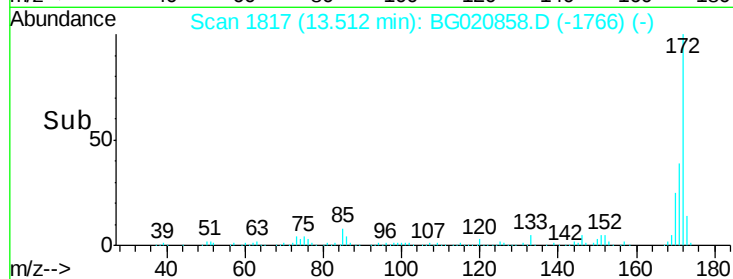
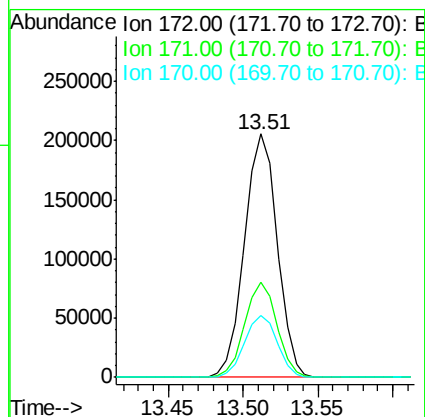
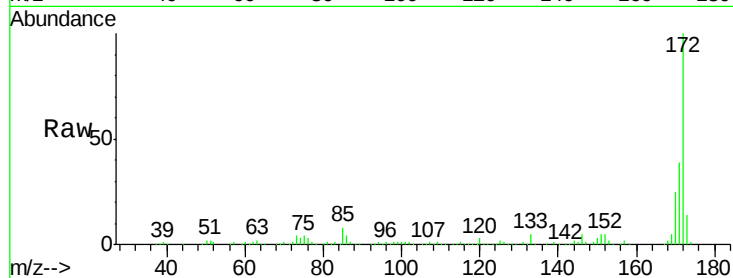




#44
2-Fluorobiphenyl
Concen: 69.63 ng
RT: 13.51 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BG020858.D
Acq: 11 Feb 2016 16:11

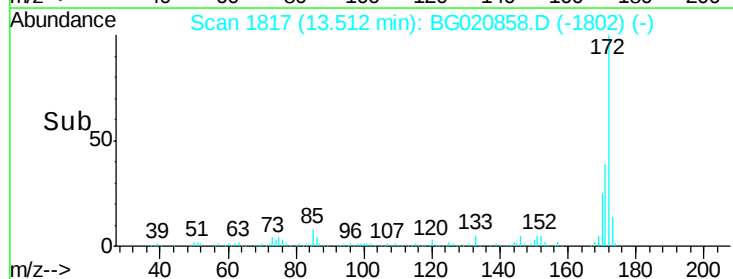
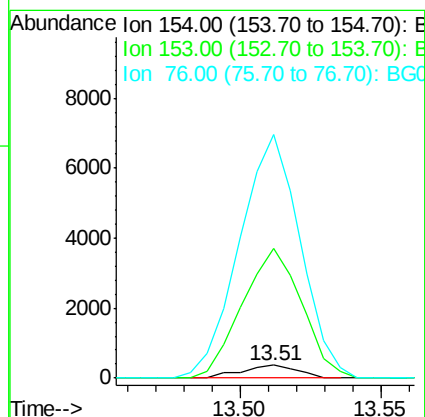
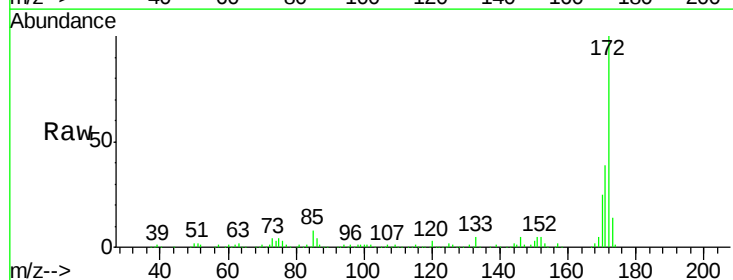
Instrument :
BNA_G
ClientSampleId :
PB87600BL

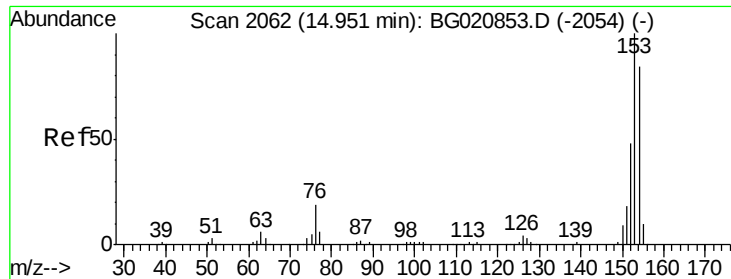
Tgt Ion:172 Resp: 311862
Ion Ratio Lower Upper
172 100
171 39.3 31.2 46.8
170 25.3 20.6 30.8



#45
1,1'-Biphenyl
Concen: 0.09 ng
RT: 13.51 min Scan# 1817
Delta R.T. -0.21 min
Lab File: BG020858.D
Acq: 11 Feb 2016 16:11

Tgt Ion:154 Resp: 499
Ion Ratio Lower Upper
154 100
153 995.7 22.5 62.5#
76 1861.5 0.0 33.8#





#51

Acenaphthene

Concen: 0.03 ng

RT: 14.89 min Scan# 2052

Delta R.T. -0.06 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

Instrument :

BNA_G

ClientSampleId :

PB87600BL

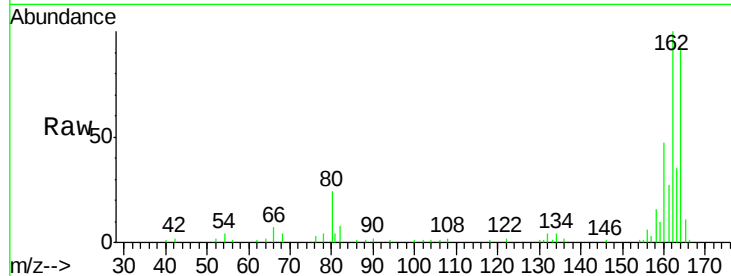
Tgt Ion:154 Resp: 111

Ion Ratio Lower Upper

154 100

153 0.0 95.4 143.0#

152 0.0 46.1 69.1#



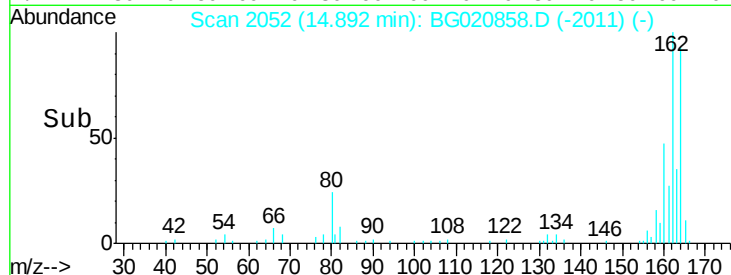
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

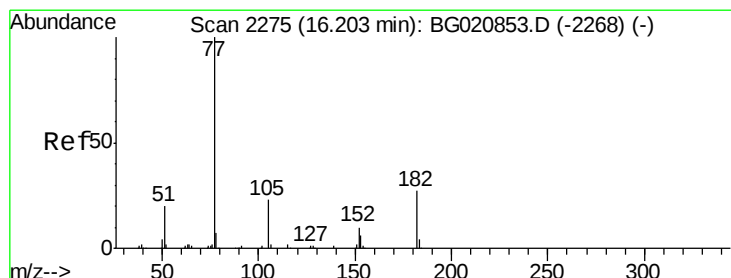
Ion 152.00 (151.70 to 152.70): E

14.89

14.86 14.88 14.90



Time-->



#62

Azobenzene

Concen: 0.08 ng

RT: 16.36 min Scan# 2302

Delta R.T. 0.16 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

Tgt Ion: 77 Resp: 310

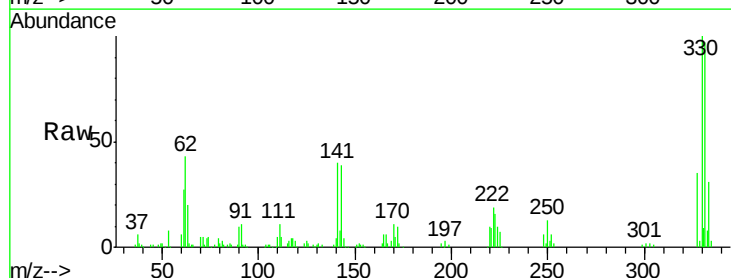
Ion Ratio Lower Upper

77 100

182 0.0 6.8 46.8#

105 107.0 3.4 43.4#

51 50.6 0.0 39.9#



Abundance Ion 77.00 (76.70 to 77.70): BGC

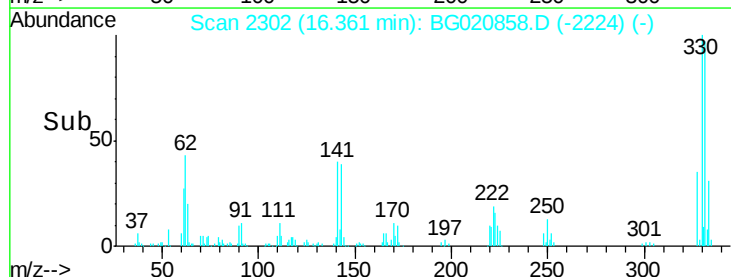
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

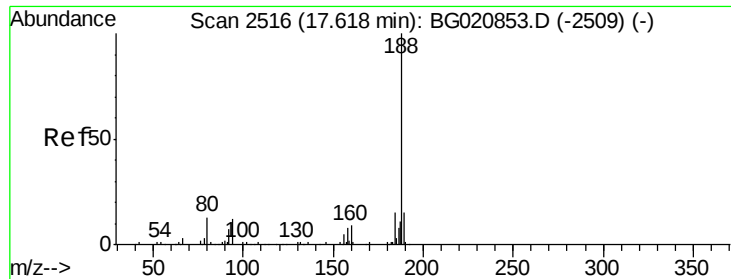
Ion 51.00 (50.70 to 51.70): BGC

16.36

16.32 16.34 16.36 16.38



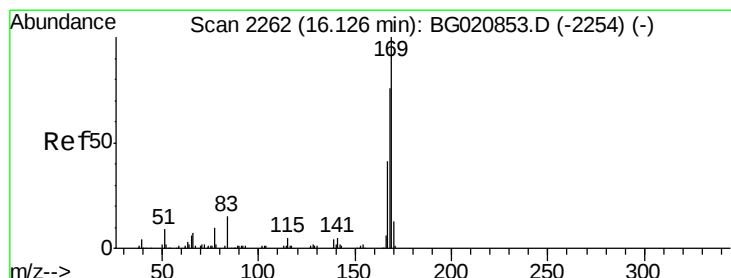
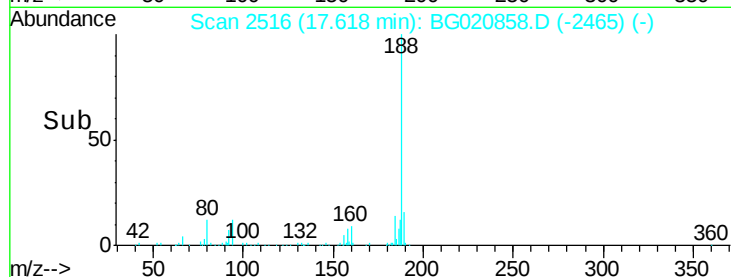
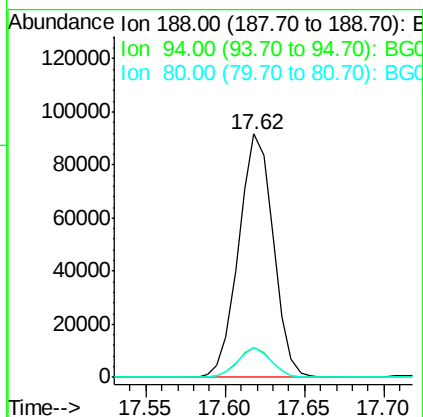
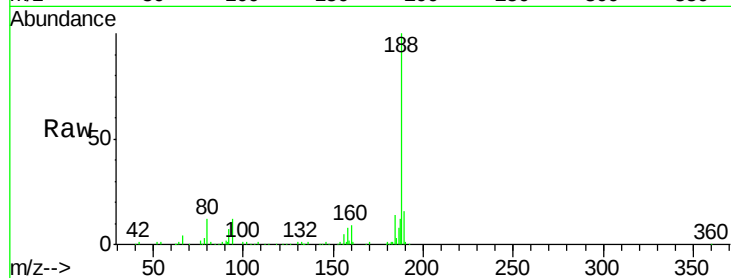
Time-->



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.62 min Scan# 2516
Delta R.T. -0.00 min
Lab File: BG020858.D
Acq: 11 Feb 2016 16:11

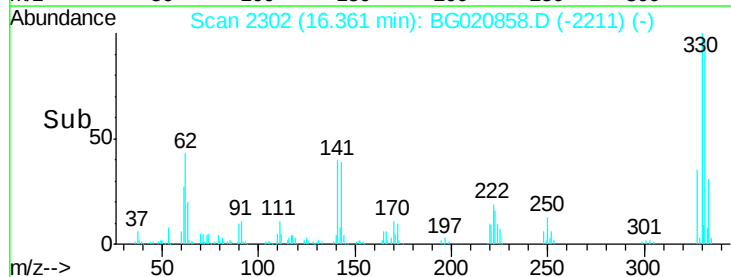
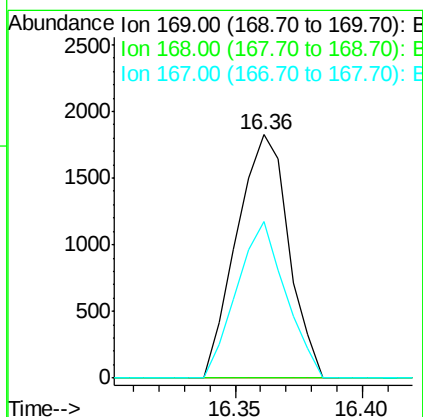
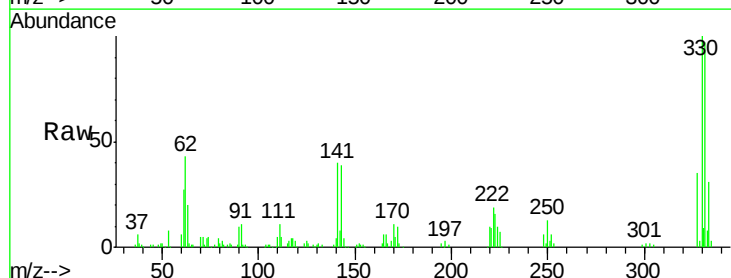
Instrument :
BNA_G
ClientSampleId :
PB87600BL

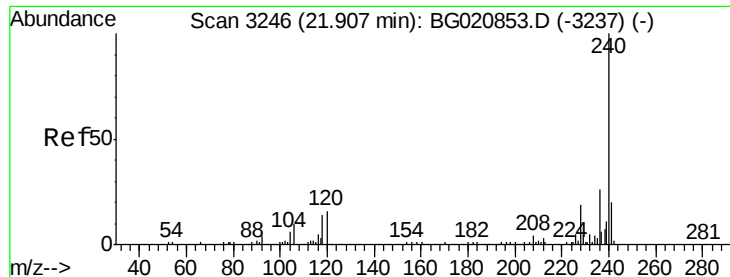
Tgt Ion:188 Resp: 138477
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.0
80 12.3 10.2 15.4



#65
n-Nitrosodiphenylamine
Concen: 0.58 ng
RT: 16.36 min Scan# 2302
Delta R.T. 0.23 min
Lab File: BG020858.D
Acq: 11 Feb 2016 16:11

Tgt Ion:169 Resp: 2607
Ion Ratio Lower Upper
169 100
168 0.0 60.7 91.1#
167 64.1 32.8 49.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.90 min Scan# 3245

Delta R.T. -0.01 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

Instrument :

BNA_G

ClientSampleId :

PB87600BL

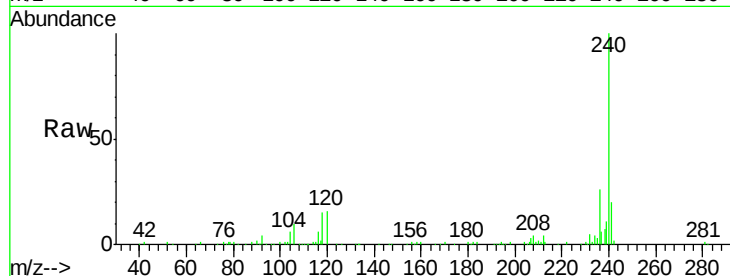
Tgt Ion:240 Resp: 133344

Ion Ratio Lower Upper

240 100

120 15.5 13.0 19.4

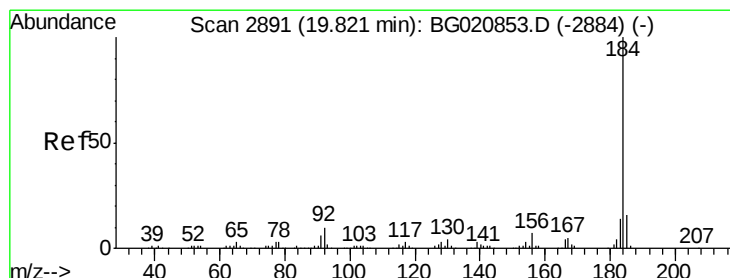
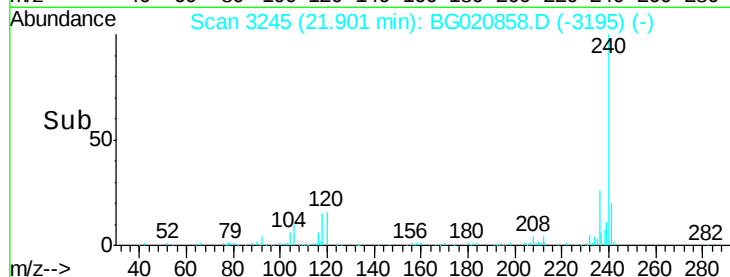
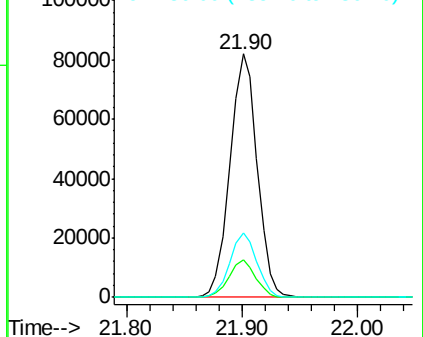
236 26.4 21.0 31.4



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



#76

Benzidine

Concen: 0.01 ng

RT: 19.82 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

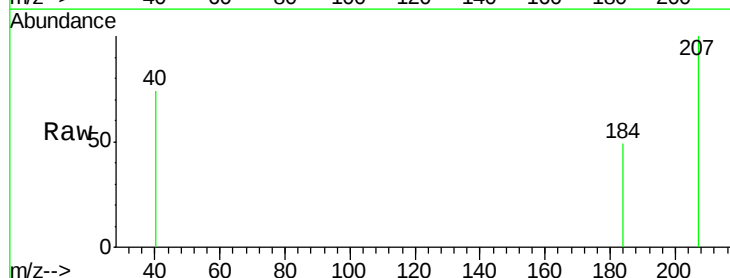
Tgt Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

185 0.0 12.6 19.0#

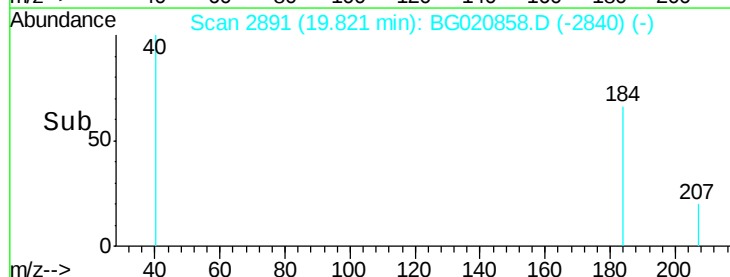
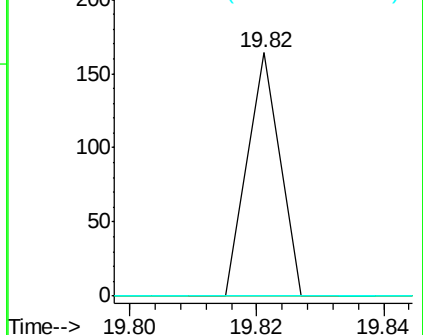
183 0.0 11.0 16.4#

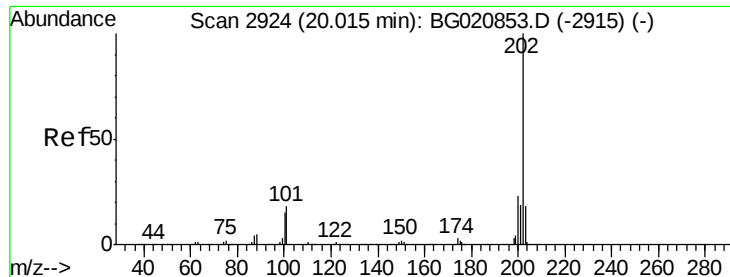


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

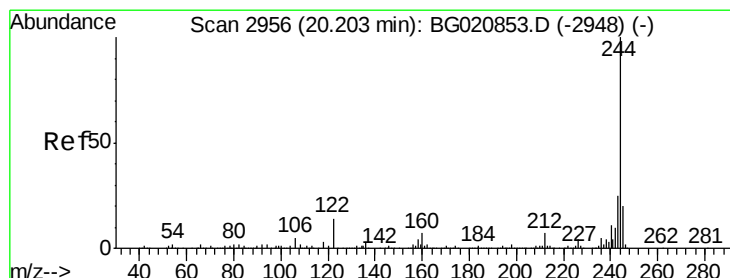
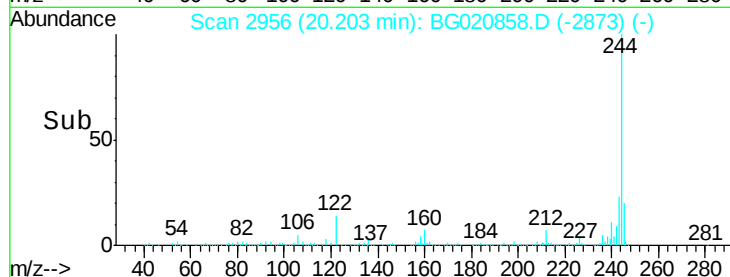
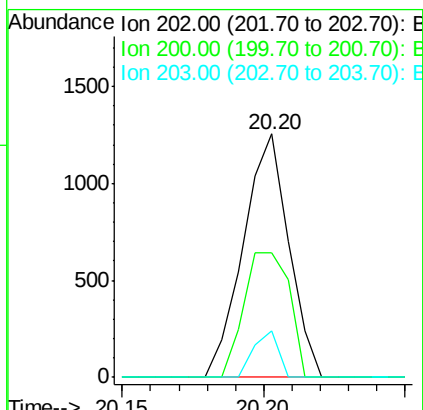
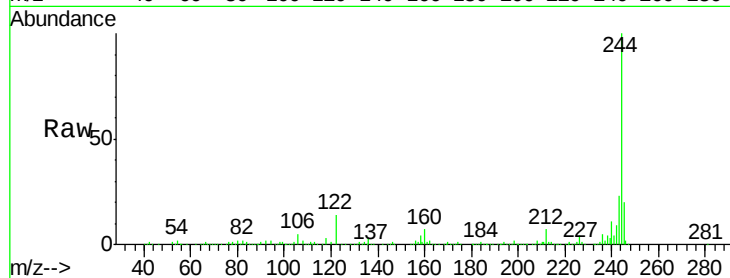




#77
 Pyrene
 Concen: 0.16 ng
 RT: 20.20 min Scan# 2956
 Delta R.T. 0.19 min
 Lab File: BG020858.D
 Acq: 11 Feb 2016 16:11

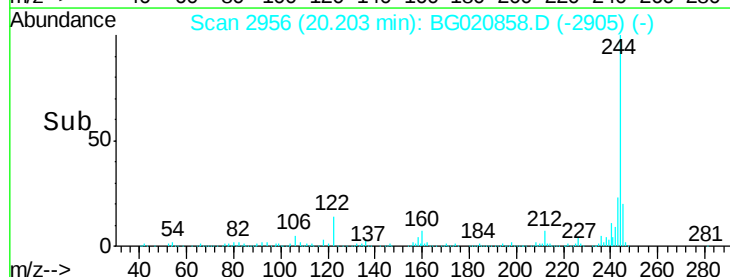
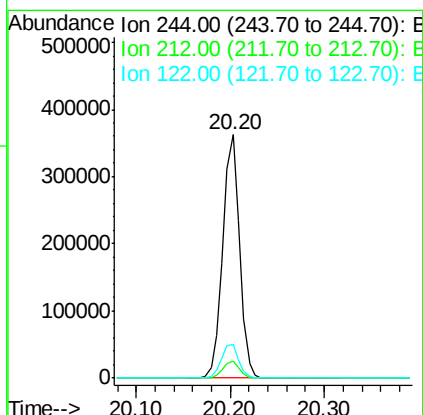
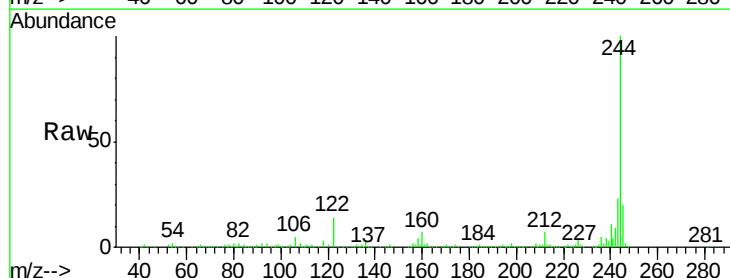
Instrument :
 BNA_G
 ClientSampleId :
 PB87600BL

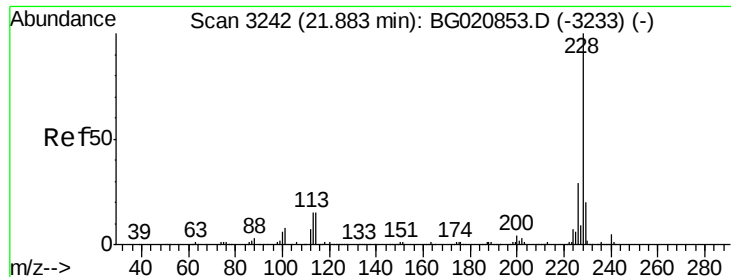
Tgt Ion: 202 Resp: 1402
 Ion Ratio Lower Upper
 202 100
 200 51.3 18.5 27.7#
 203 18.9 14.3 21.5



#78
 Terphenyl-d14
 Concen: 78.86 ng
 RT: 20.20 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: BG020858.D
 Acq: 11 Feb 2016 16:11

Tgt Ion: 244 Resp: 450754
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 13.6 11.4 17.2





#80

Benzo(a)anthracene

Concen: 0.06 ng

RT: 21.89 min Scan# 3244

Delta R.T. 0.01 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

Instrument :

BNA_G

ClientSampleId :

PB87600BL

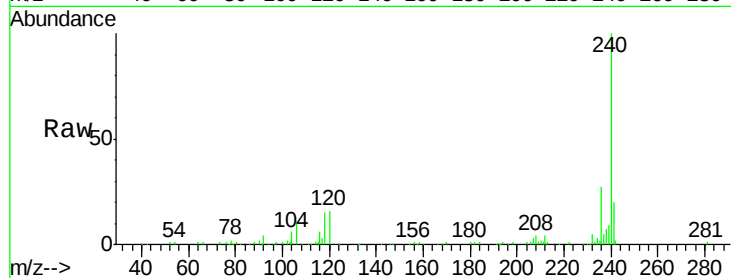
Tgt Ion:228 Resp: 512

Ion Ratio Lower Upper

228 100

226 0.0 23.1 34.7#

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

21.89

300

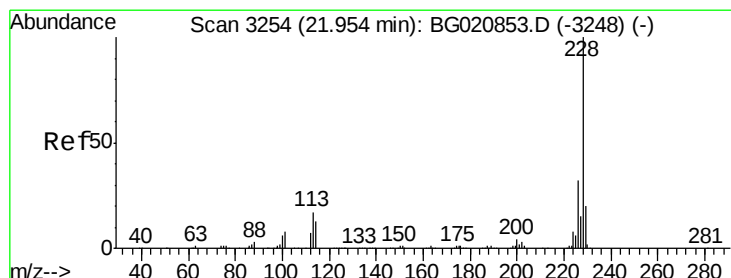
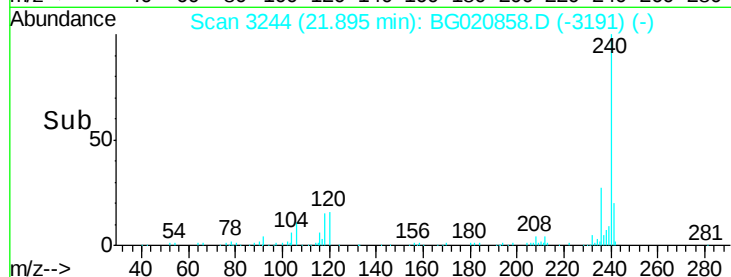
200

100

0

21.85 21.90

Time-->



#82

Chrysene

Concen: 0.07 ng

RT: 21.89 min Scan# 3244

Delta R.T. -0.06 min

Lab File: BG020858.D

Acq: 11 Feb 2016 16:11

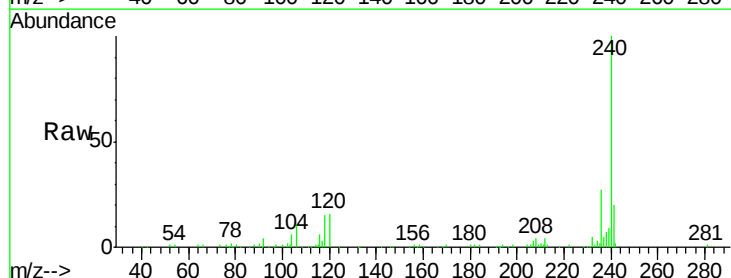
Tgt Ion:228 Resp: 512

Ion Ratio Lower Upper

228 100

226 0.0 25.3 37.9#

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

21.89

300

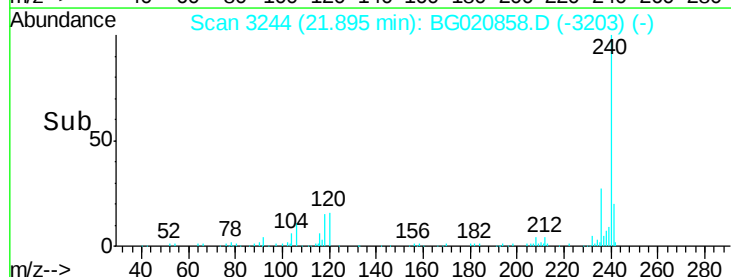
200

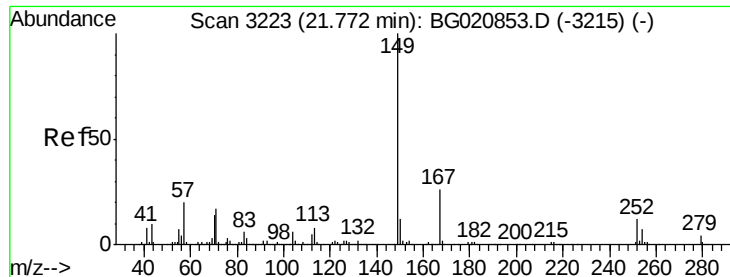
100

0

21.85 21.90

Time-->

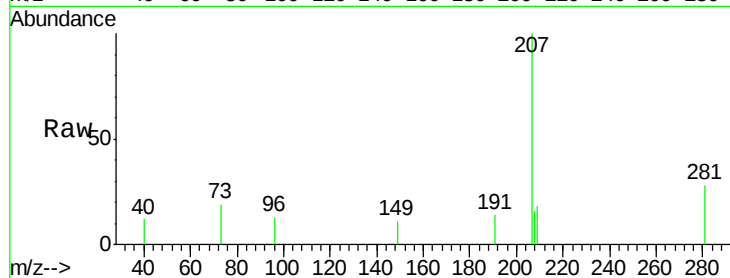




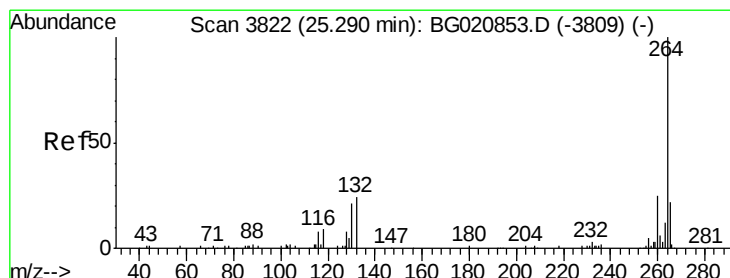
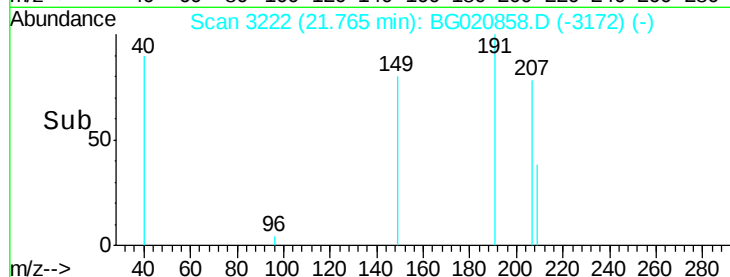
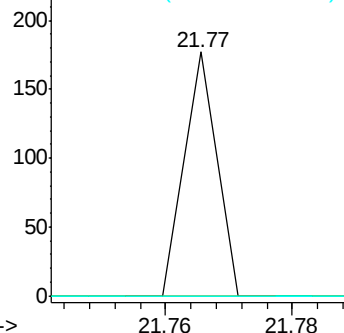
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.01 ng
 RT: 21.77 min Scan# 3222
 Delta R.T. -0.01 min
 Lab File: BG020858.D
 Acq: 11 Feb 2016 16:11

Instrument :
 BNA_G
 ClientSampleId :
 PB87600BL

Tgt Ion:149 Resp: 62
 Ion Ratio Lower Upper
 149 100
 167 0.0 20.9 31.3#
 279 0.0 3.0 4.4#

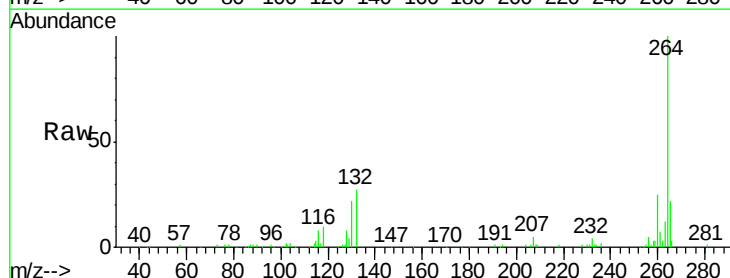


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

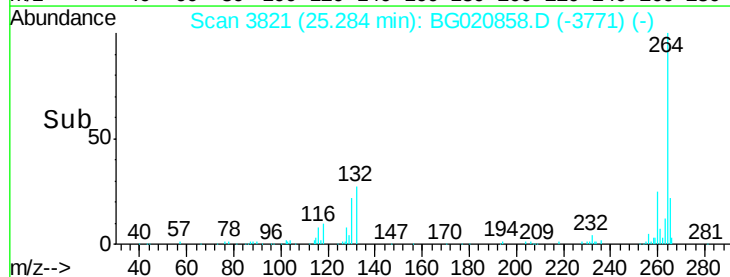
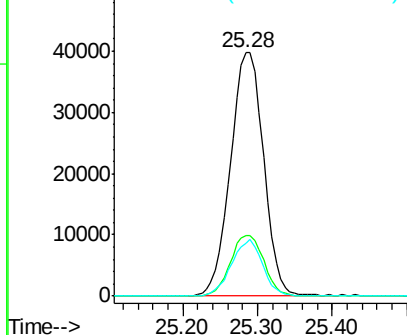


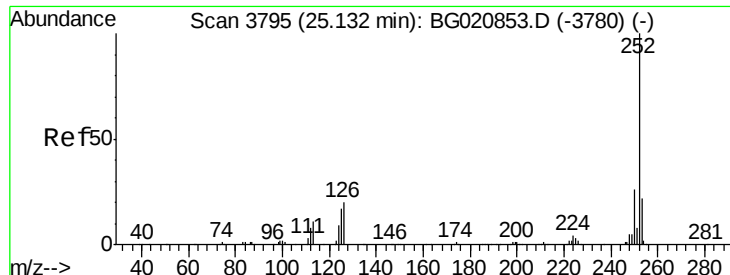
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.28 min Scan# 3821
 Delta R.T. -0.01 min
 Lab File: BG020858.D
 Acq: 11 Feb 2016 16:11

Tgt Ion:264 Resp: 122886
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.9 29.9
 265 21.8 18.0 27.0



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: 25.29 min Scan# 3822

Delta R.T. 0.16 min

Lab File: BG020858.D

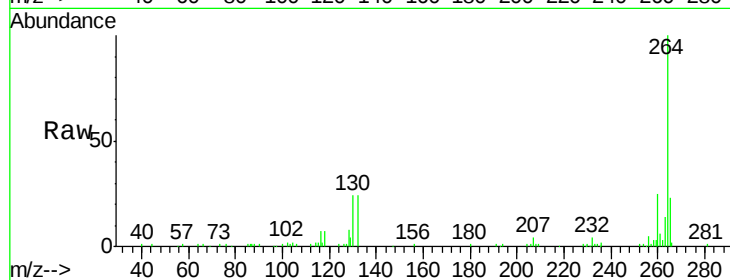
Acq: 11 Feb 2016 16:11

Instrument :

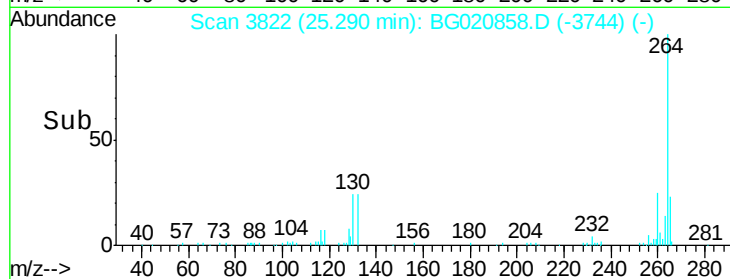
BNA_G

ClientSampleId :

PB87600BL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.4	26.2#
125	0.0	13.6	20.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

