

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021116\
 Data File : BG020861.D
 Acq On : 11 Feb 2016 18:09
 Operator : SJ/UM
 Sample : PB87601BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB87601BL

Quant Time: Feb 11 22:43:23 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

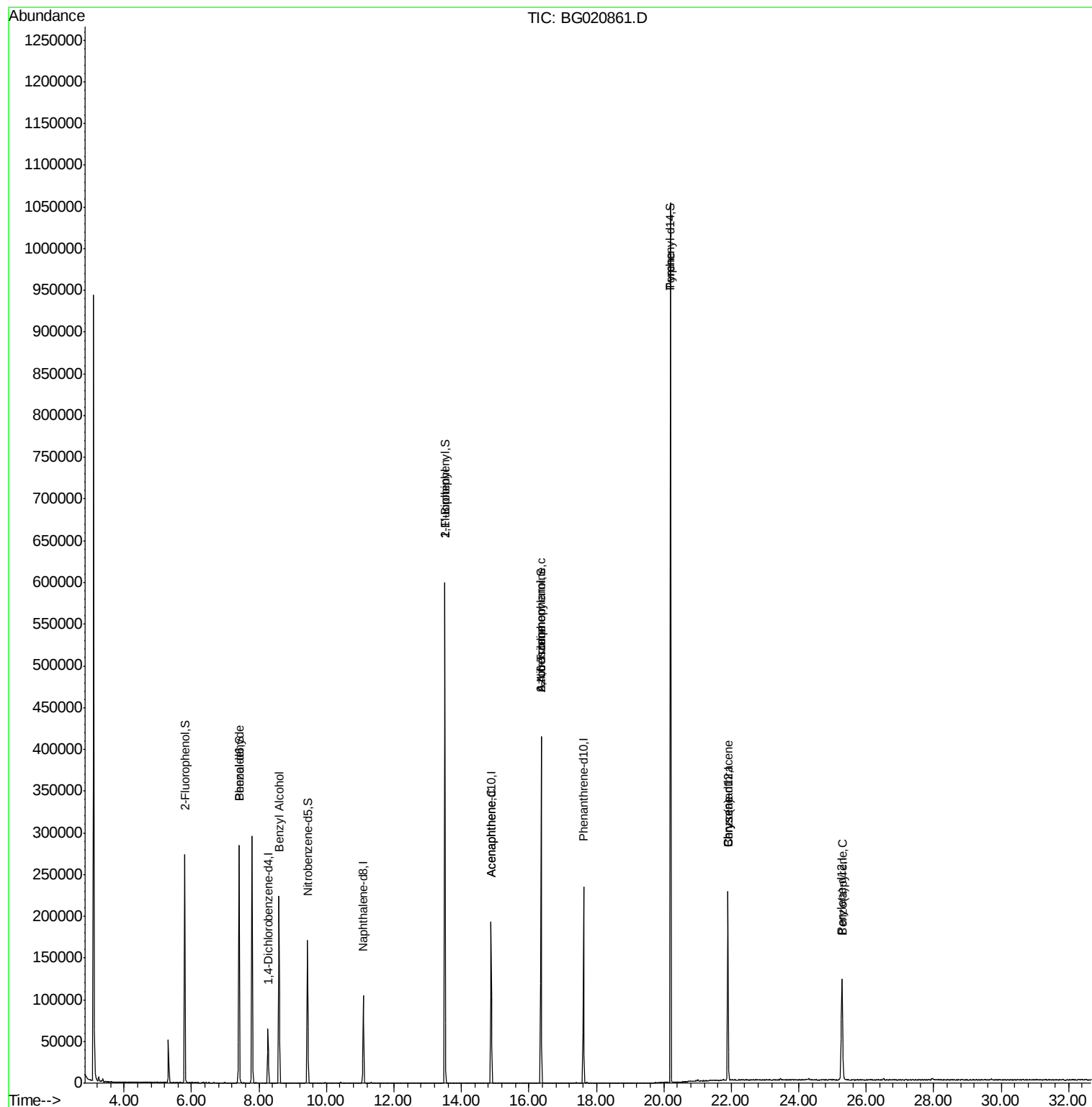
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	20893	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	101914	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	66258	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	141112	20.00	ng	0.00
75) Chrysene-d12	21.90	240	132761	20.00	ng	-0.01
86) Perylene-d12	25.28	264	121588	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	151244	121.91	ng	0.00
7) Phenol-d6	7.41	99	211727	116.76	ng	0.00
23) Nitrobenzene-d5	9.44	82	114492	73.87	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	78663	120.73	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	331610	70.30	ng	0.00
78) Terphenyl-d14	20.20	244	448535	78.82	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.41	77	54	0.06	ng	# 1
15) Benzyl Alcohol	8.60	79	1484	1.30	ng	# 41
45) 1,1'-Biphenyl	13.51	154	492	0.08	ng	# 1
51) Acenaphthene	14.88	154	139	0.03	ng	# 2
62) Azobenzene	16.36	77	424	0.10	ng	# 11
65) n-Nitrosodiphenylamine	16.36	169	2881	0.63	ng	# 40
77) Pyrene	20.20	202	1262	0.14	ng	# 62
80) Benzo(a)anthracene	21.90	228	407	0.05	ng	# 50
82) Chrysene	21.90	228	407	0.05	ng	# 48
89) Benzo(a)pyrene	25.29	252	259	0.04	ng	# 57

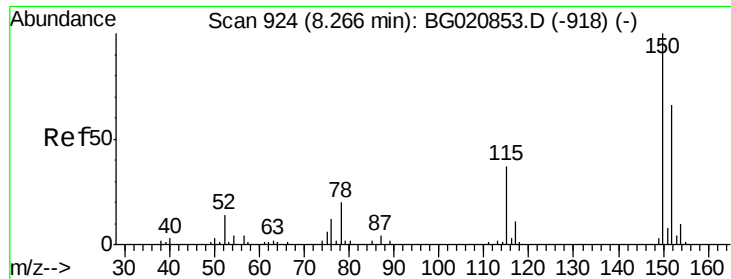
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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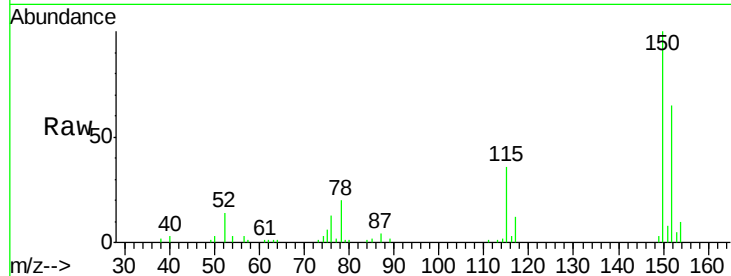




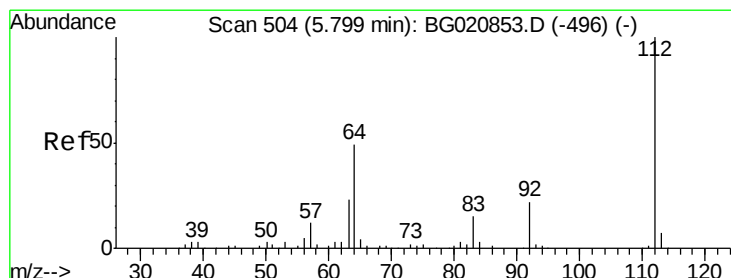
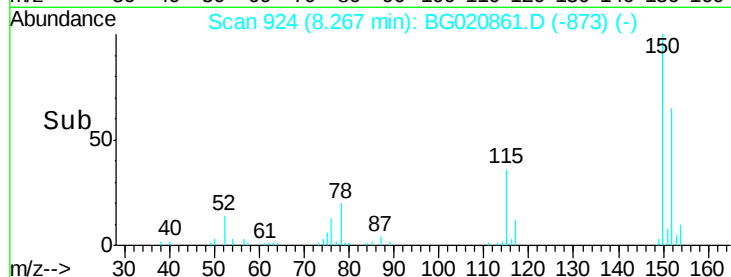
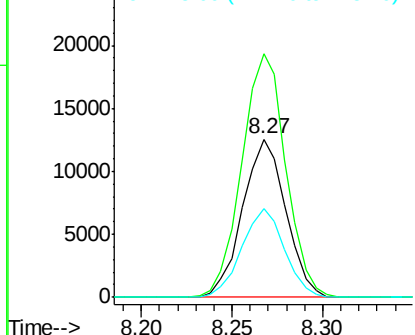
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.27 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BG020861.D
 Acq: 11 Feb 2016 18:09

Instrument :
 BNA_G
 ClientSampleId :
 PB87601BL

Tgt Ion:152 Resp: 20893
 Ion Ratio Lower Upper
 152 100
 150 154.1 122.0 183.0
 115 56.1 45.2 67.8

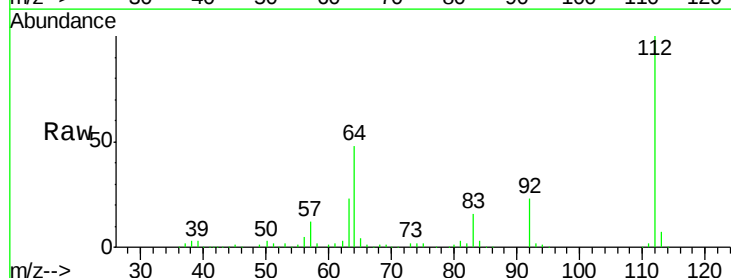


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

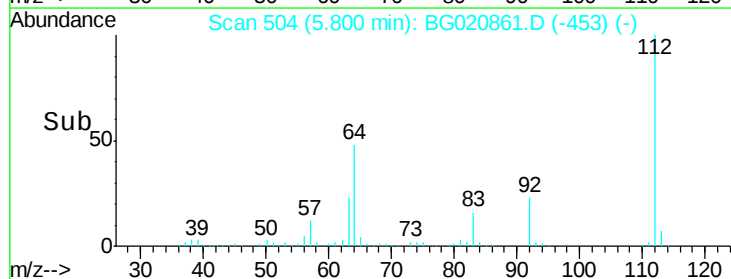
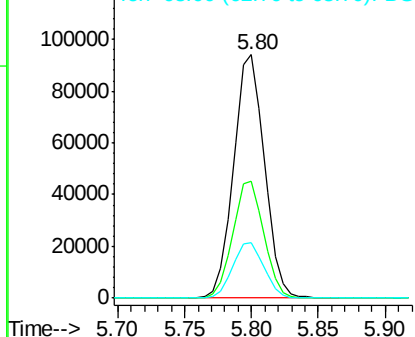


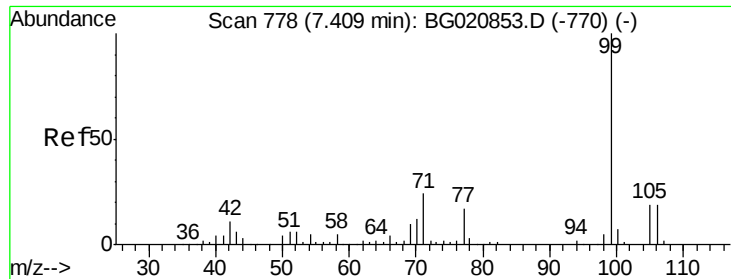
#5
 2-Fluorophenol
 Concen: 121.91 ng
 RT: 5.80 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BG020861.D
 Acq: 11 Feb 2016 18:09

Tgt Ion:112 Resp: 151244
 Ion Ratio Lower Upper
 112 100
 64 48.1 39.3 58.9
 63 22.7 18.2 27.4



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





#7

Phenol-d6

Concen: 116.76 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.00 min

Lab File: BG020861.D

Acq: 11 Feb 2016 18:09

Instrument :

BNA_G

ClientSampleId :

PB87601BL

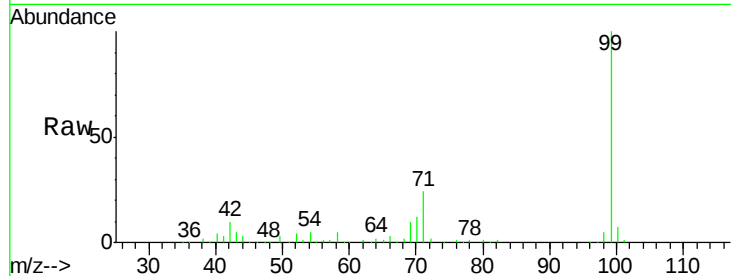
Tgt Ion: 99 Resp: 211727

Ion Ratio Lower Upper

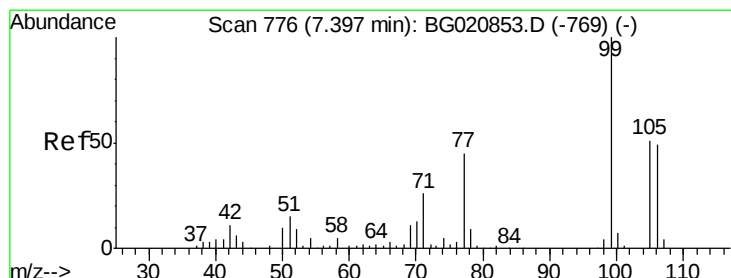
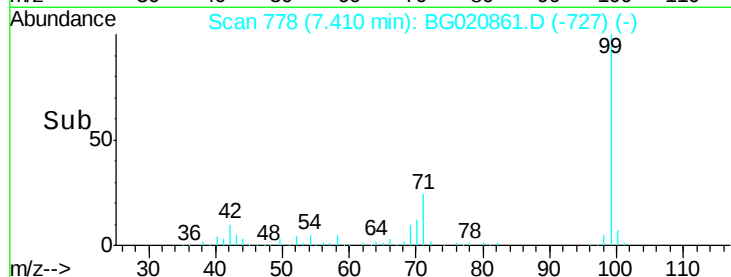
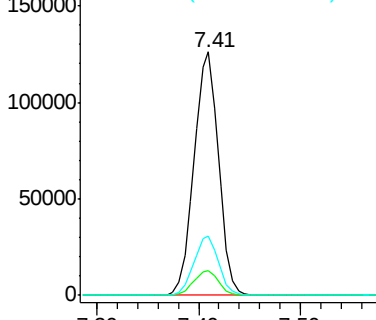
99 100

42 10.1 8.4 12.6

71 24.1 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: 0.06 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.01 min

Lab File: BG020861.D

Acq: 11 Feb 2016 18:09

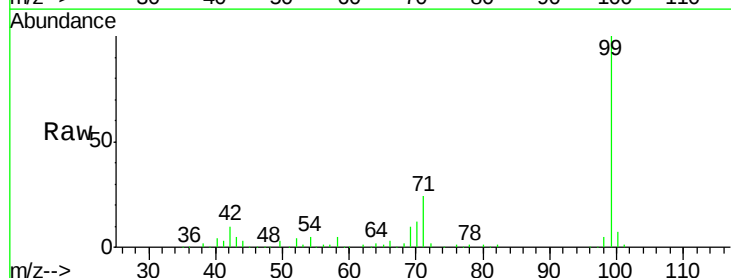
Tgt Ion: 77 Resp: 54

Ion Ratio Lower Upper

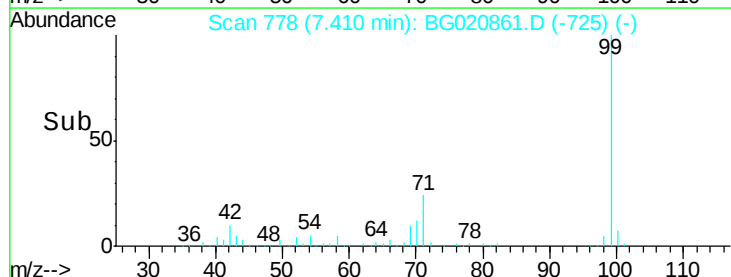
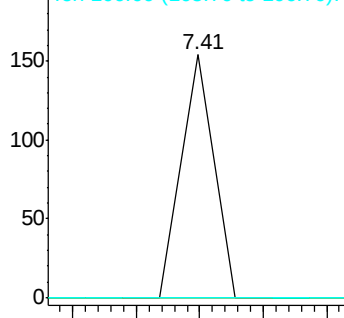
77 100

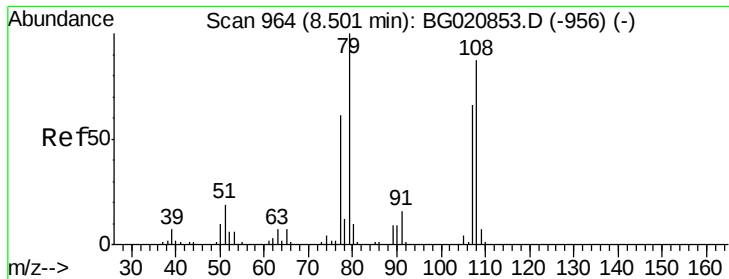
105 0.0 93.4 133.4#

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: 1.30 ng

RT: 8.60 min Scan# 981

Delta R.T. 0.10 min

Lab File: BG020861.D

Acq: 11 Feb 2016 18:09

Instrument :

BNA_G

ClientSampleId :

PB87601BL

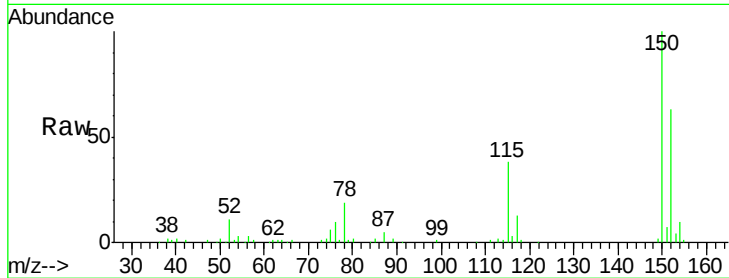
Tgt Ion: 79 Resp: 1484

Ion Ratio Lower Upper

79 100

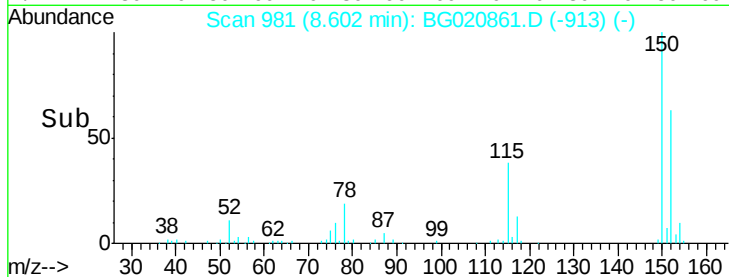
108 33.8 69.4 104.2#

77 106.7 48.6 73.0#

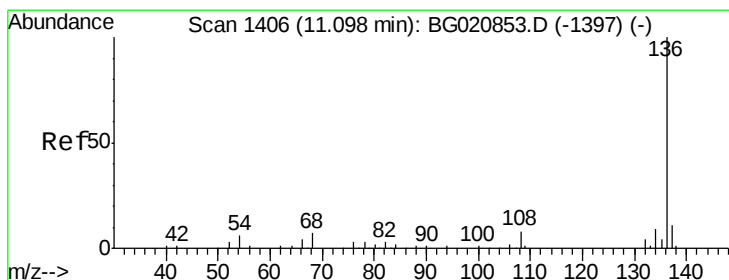


Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

8.60



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.09 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BG020861.D

Acq: 11 Feb 2016 18:09

Tgt Ion: 136 Resp: 101914

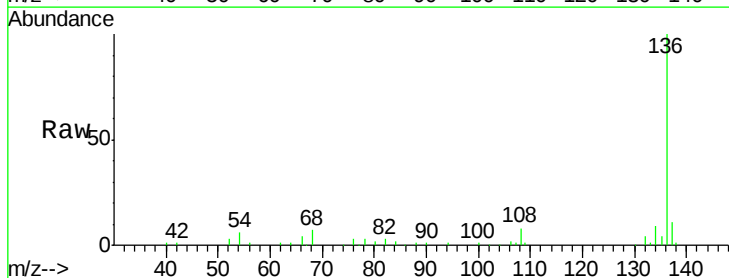
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

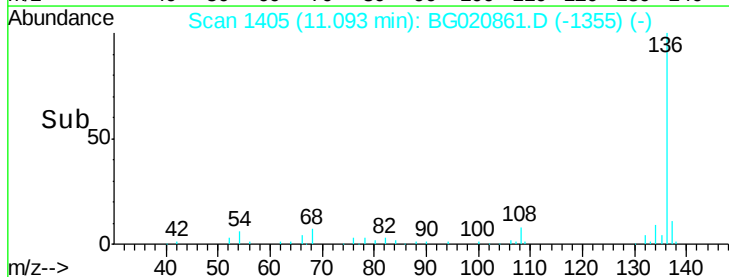
54 6.1 5.0 7.4

68 6.8 5.2 7.8

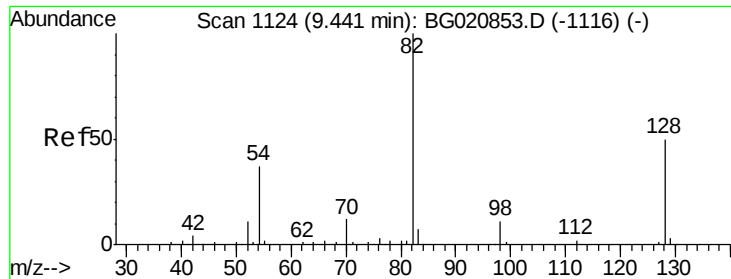


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

11.09



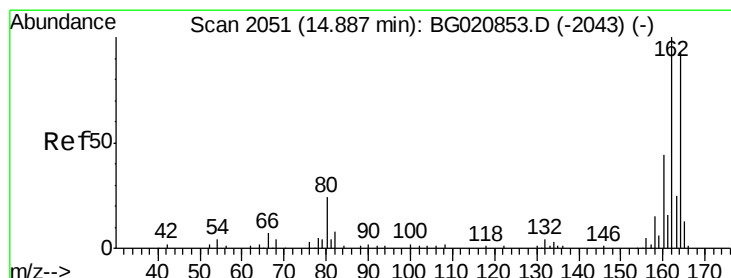
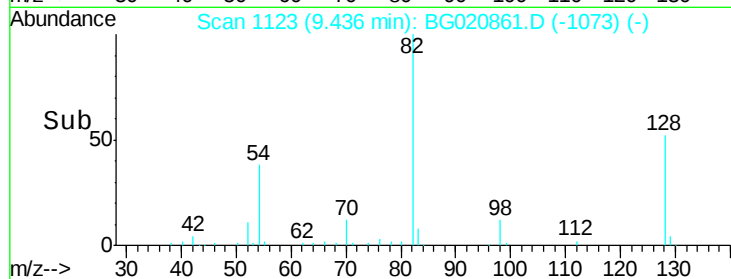
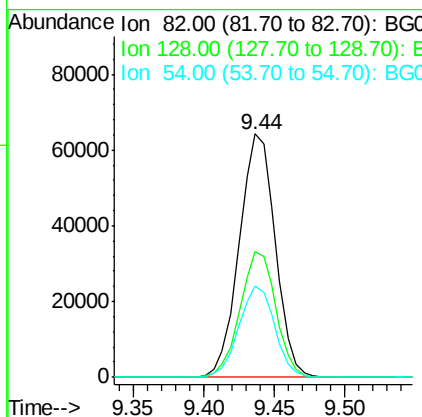
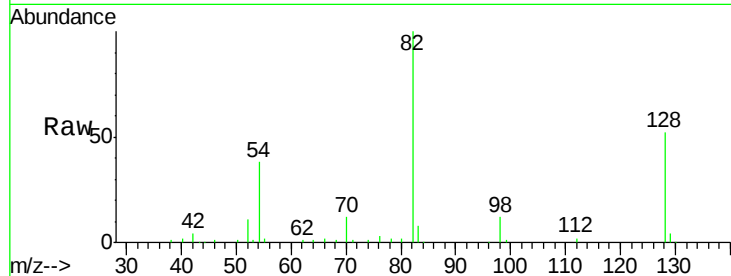
Time-->



#23
 Nitrobenzene-d5
 Concen: 73.87 ng
 RT: 9.44 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: BG020861.D
 Acq: 11 Feb 2016 18:09

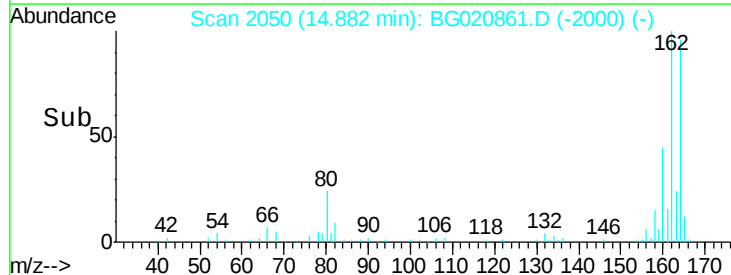
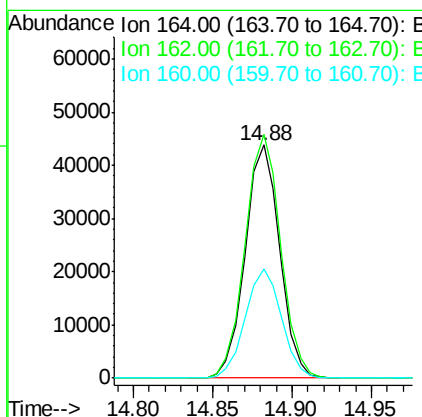
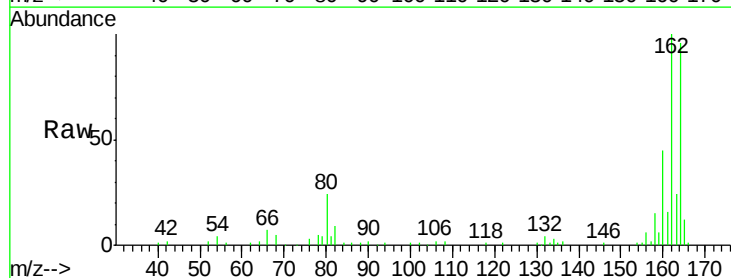
Instrument :
 BNA_G
 ClientSampled :
 PB87601BL

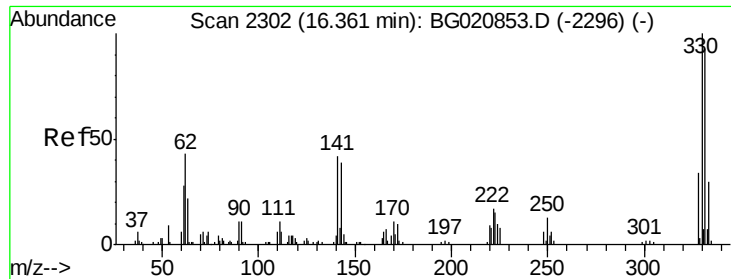
Tgt Ion: 82 Resp: 114492
 Ion Ratio Lower Upper
 82 100
 128 51.8 40.1 60.1
 54 37.7 29.5 44.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: BG020861.D
 Acq: 11 Feb 2016 18:09

Tgt Ion: 164 Resp: 66258
 Ion Ratio Lower Upper
 164 100
 162 104.6 85.7 128.5
 160 46.9 37.4 56.0

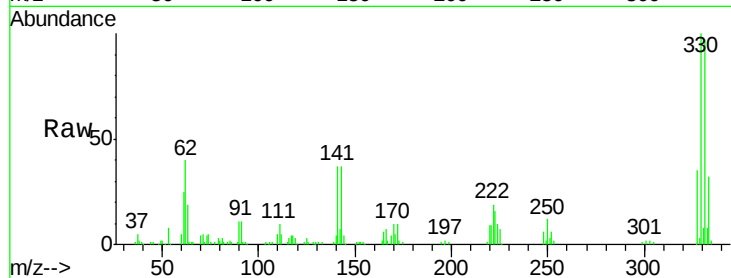




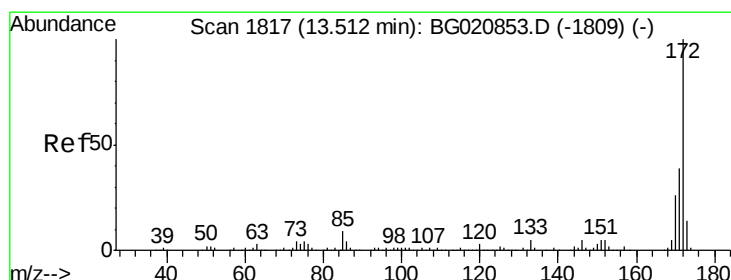
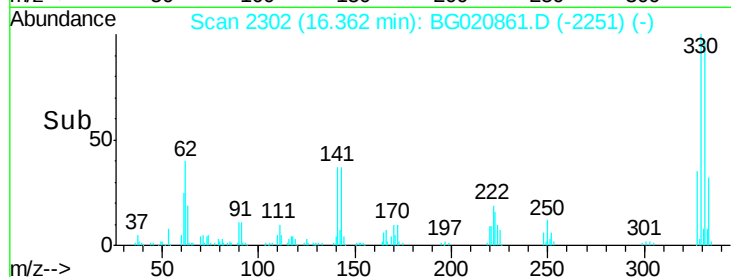
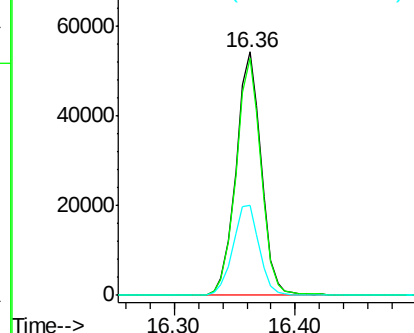
#41
 2,4,6-Tribromophenol
 Concen: 120.73 ng
 RT: 16.36 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: BG020861.D
 Acq: 11 Feb 2016 18:09

Instrument :
 BNA_G
 ClientSampleId :
 PB87601BL

Tgt Ion:330 Resp: 78663
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.1 114.1
 141 38.6 32.0 48.0

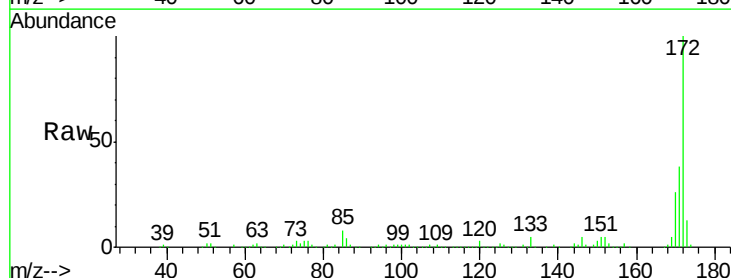


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

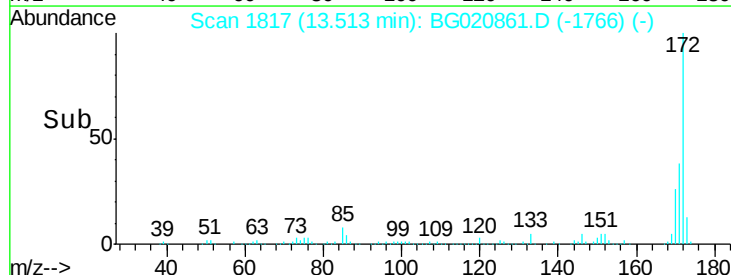
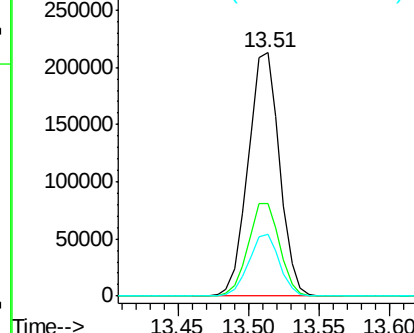


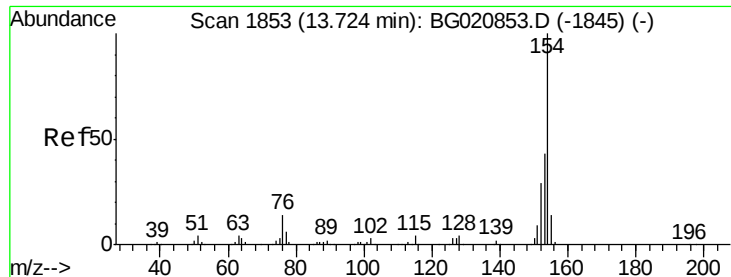
#44
 2-Fluorobiphenyl
 Concen: 70.30 ng
 RT: 13.51 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: BG020861.D
 Acq: 11 Feb 2016 18:09

Tgt Ion:172 Resp: 331610
 Ion Ratio Lower Upper
 172 100
 171 38.0 31.2 46.8
 170 25.5 20.6 30.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

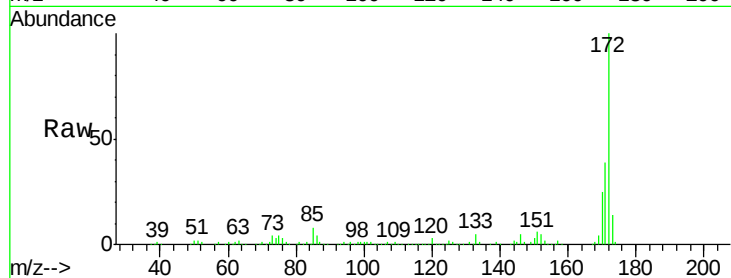




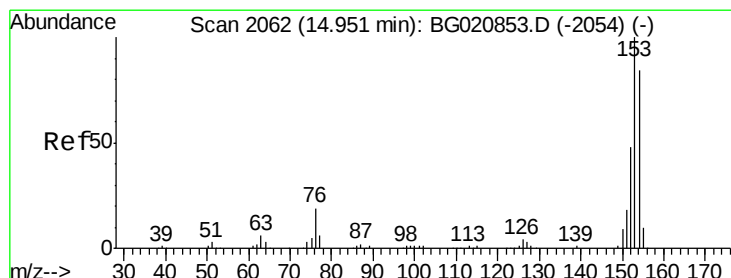
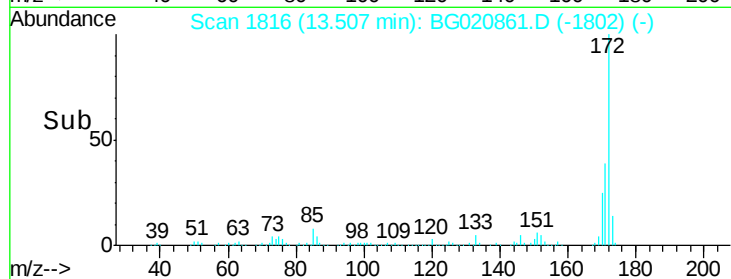
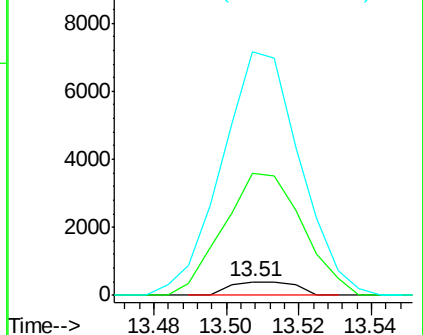
#45
 1,1'-Biphenyl
 Concen: 0.08 ng
 RT: 13.51 min Scan# 1816
 Delta R.T. -0.22 min
 Lab File: BG020861.D
 Acq: 11 Feb 2016 18:09

Instrument :
 BNA_G
 ClientSampleId :
 PB87601BL

Tgt Ion:154 Resp: 492
 Ion Ratio Lower Upper
 154 100
 153 889.1 22.5 62.5#
 76 1780.3 0.0 33.8#

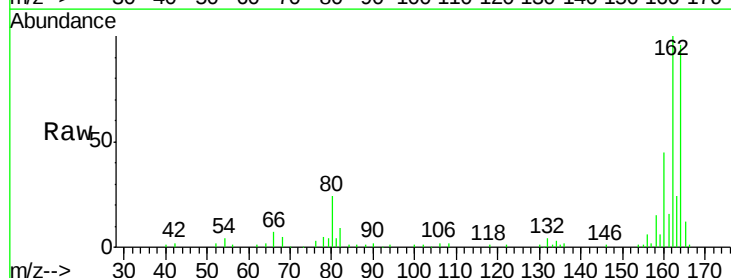


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

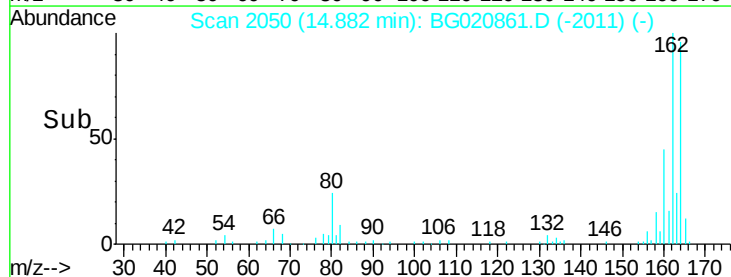
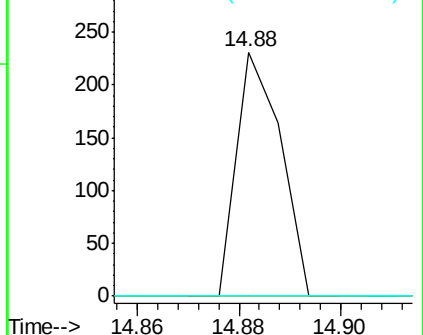


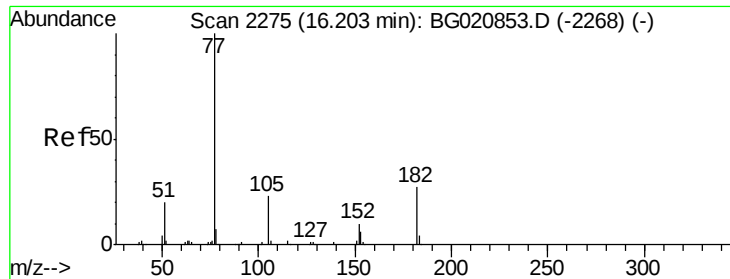
#51
 Acenaphthene
 Concen: 0.03 ng
 RT: 14.88 min Scan# 2050
 Delta R.T. -0.07 min
 Lab File: BG020861.D
 Acq: 11 Feb 2016 18:09

Tgt Ion:154 Resp: 139
 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





#62

Azobenzene

Concen: 0.10 ng

RT: 16.36 min Scan# 2301

Delta R.T. 0.15 min

Lab File: BG020861.D

Acq: 11 Feb 2016 18:09

Instrument :

BNA_G

ClientSampleId :

PB87601BL

Tgt Ion: 77 Resp: 424

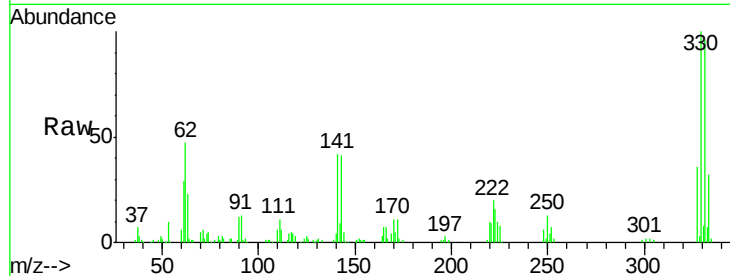
Ion Ratio Lower Upper

77 100

182 0.0 6.8 46.8#

105 86.7 3.4 43.4#

51 61.8 0.0 39.9#

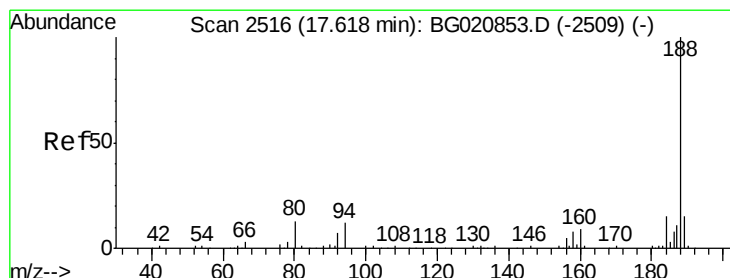
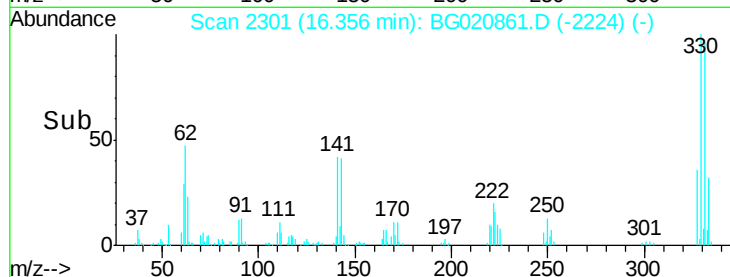
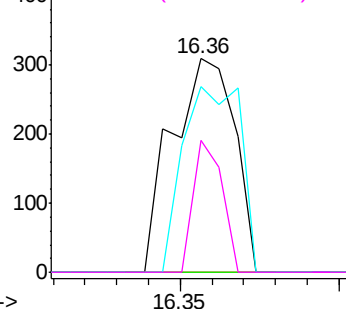


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.62 min Scan# 2516

Delta R.T. 0.00 min

Lab File: BG020861.D

Acq: 11 Feb 2016 18:09

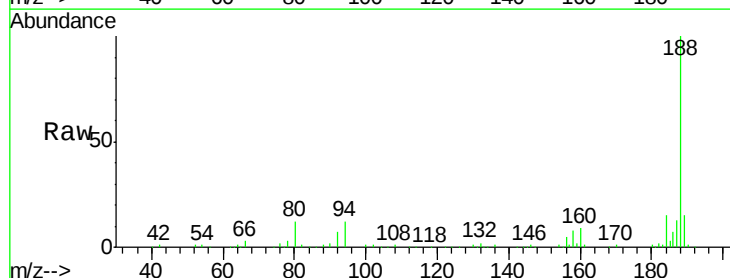
Tgt Ion: 188 Resp: 141112

Ion Ratio Lower Upper

188 100

94 12.0 9.4 14.0

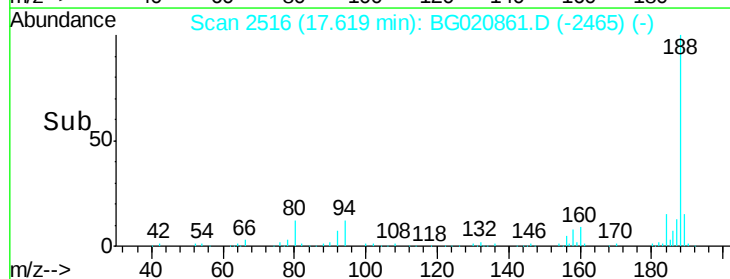
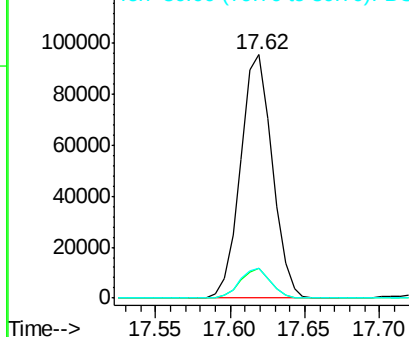
80 12.1 10.2 15.4

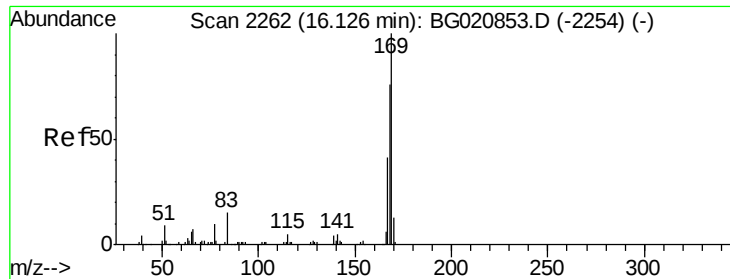


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

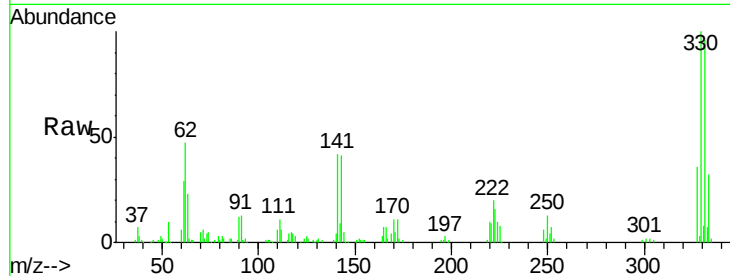




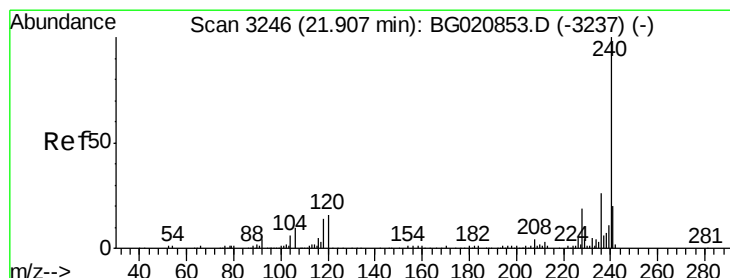
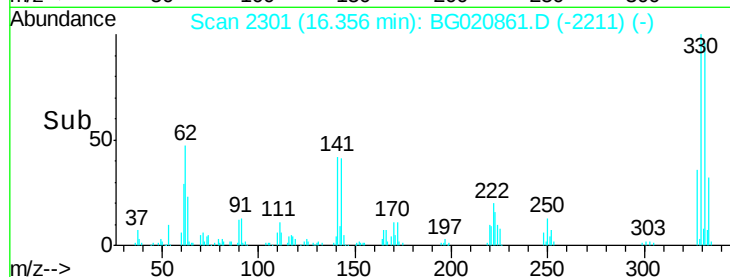
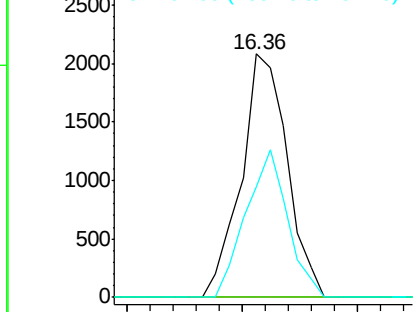
#65
 n-Nitrosodiphenylamine
 Concen: 0.63 ng
 RT: 16.36 min Scan# 2301
 Delta R.T. 0.23 min
 Lab File: BG020861.D
 Acq: 11 Feb 2016 18:09

Instrument :
 BNA_G
 ClientSampled :
 PB87601BL

Tgt Ion:169 Resp: 2881
 Ion Ratio Lower Upper
 169 100
 168 0.0 60.7 91.1#
 167 45.4 32.8 49.2

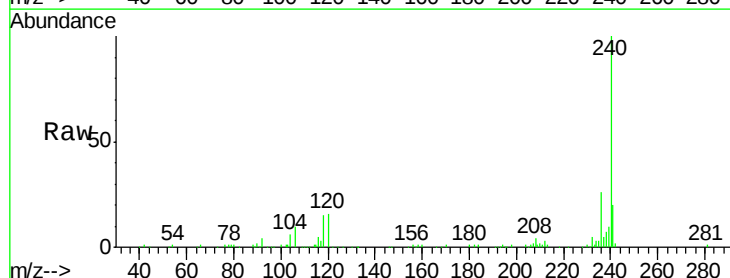


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

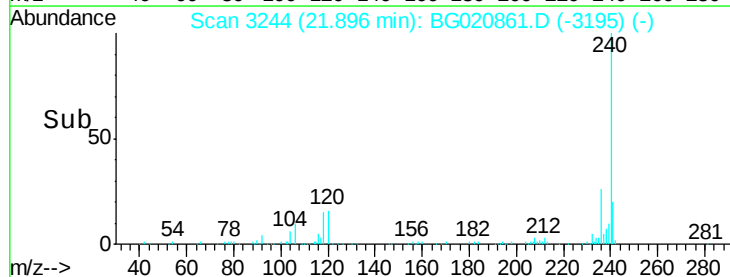
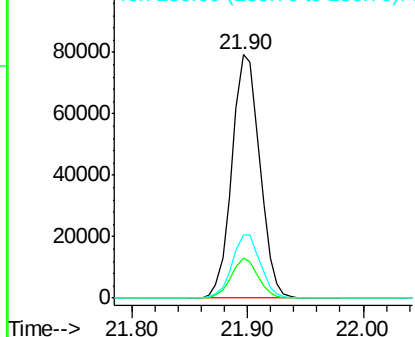


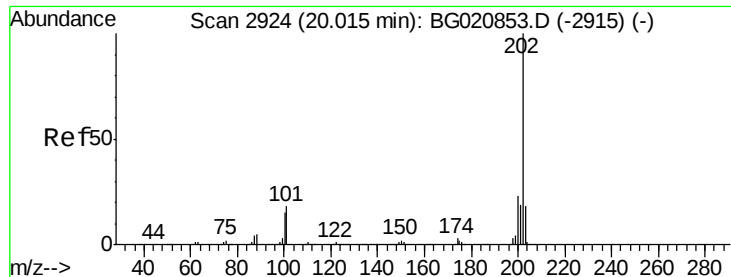
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.90 min Scan# 3244
 Delta R.T. -0.01 min
 Lab File: BG020861.D
 Acq: 11 Feb 2016 18:09

Tgt Ion:240 Resp: 132761
 Ion Ratio Lower Upper
 240 100
 120 16.3 13.0 19.4
 236 26.0 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





#77

Pyrene

Concen: 0.14 ng

RT: 20.20 min Scan# 2955

Delta R.T. 0.18 min

Lab File: BG020861.D

Acq: 11 Feb 2016 18:09

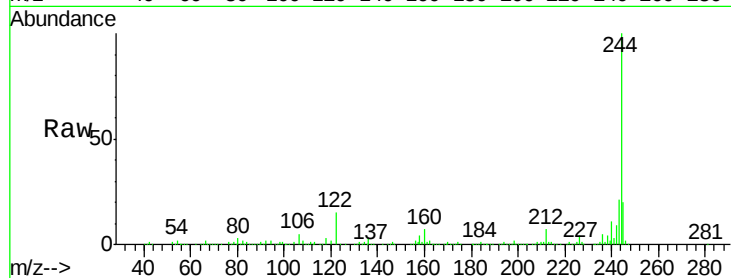
Instrument :

BNA_G

ClientSampled :

PB87601BL

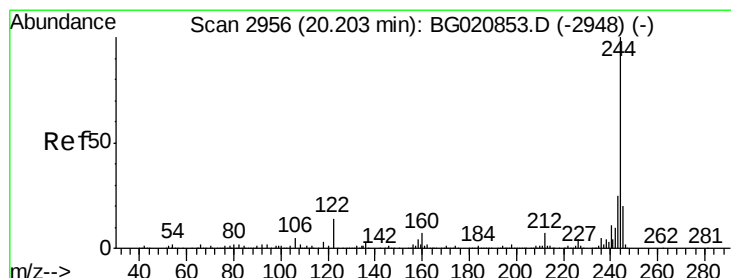
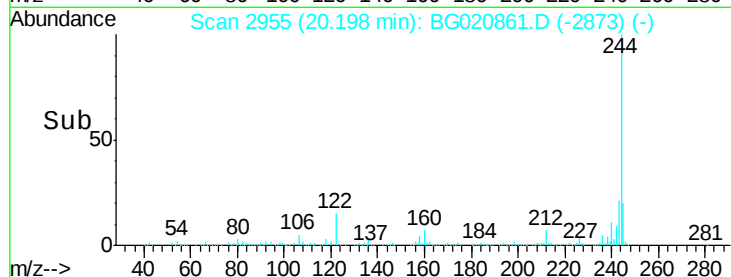
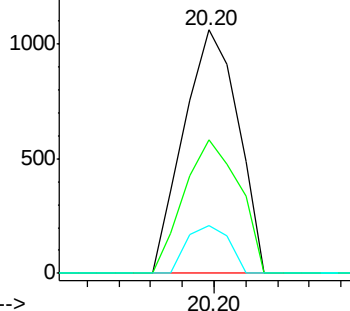
Tgt Ion:	202	Resp:	1262
Ion	Ratio	Lower	Upper
202	100		
200	54.8	18.5	27.7#
203	19.6	14.3	21.5



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: 78.82 ng

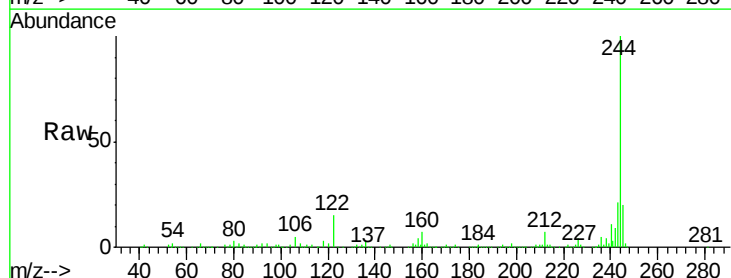
RT: 20.20 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG020861.D

Acq: 11 Feb 2016 18:09

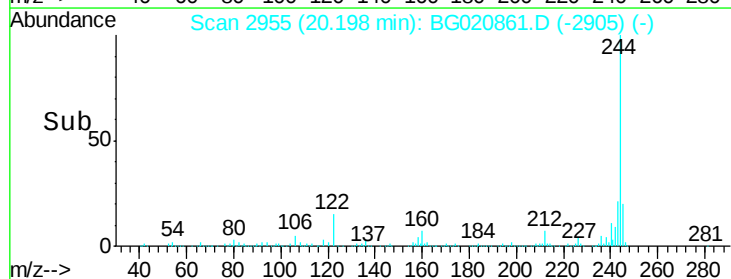
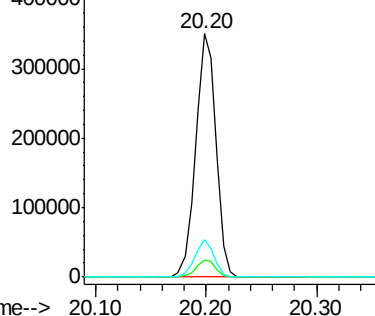
Tgt Ion:	244	Resp:	448535
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	15.2	11.4	17.2

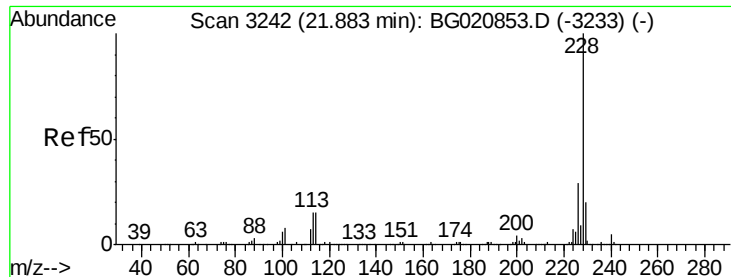


Abundance Ion 244.00 (243.70 to 244.70): E

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: 21.90 min Scan# 3244

Delta R.T. 0.01 min

Lab File: BG020861.D

Acq: 11 Feb 2016 18:09

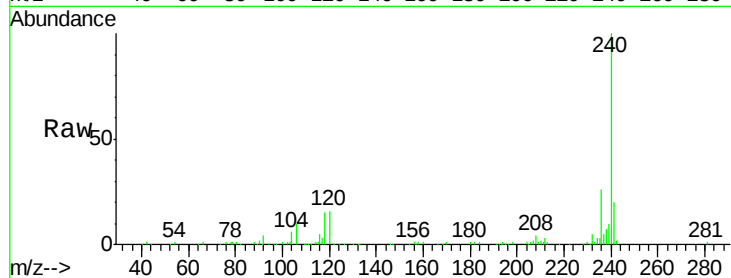
Instrument :

BNA_G

ClientSampleId :

PB87601BL

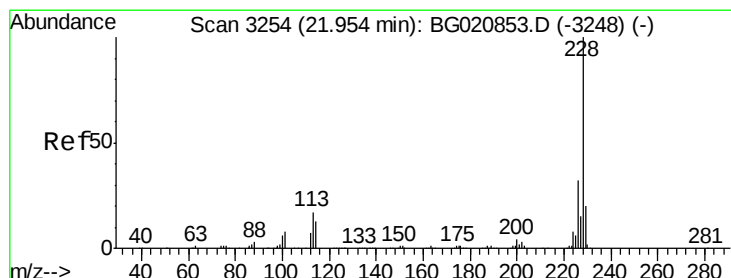
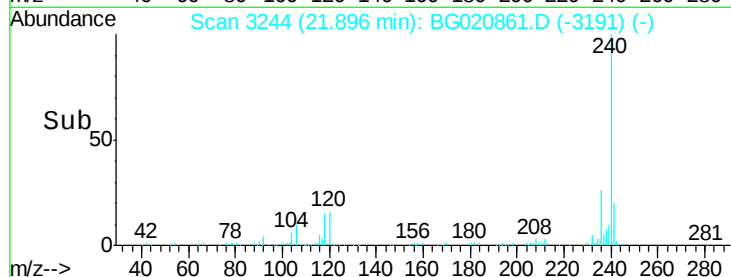
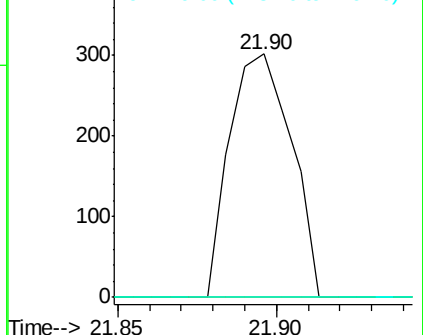
Tgt Ion:	228	Resp:	407
Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.1	34.7#
229	0.0	16.2	24.2#



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



#82

Chrysene

Concen: 0.05 ng

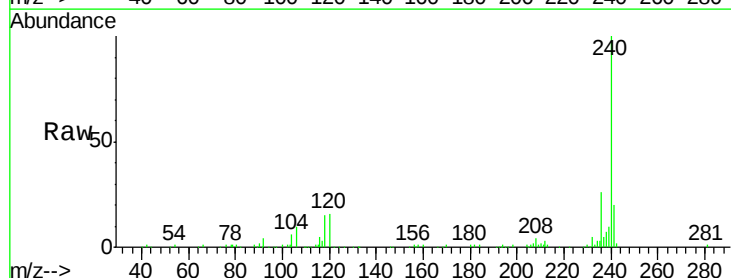
RT: 21.90 min Scan# 3244

Delta R.T. -0.06 min

Lab File: BG020861.D

Acq: 11 Feb 2016 18:09

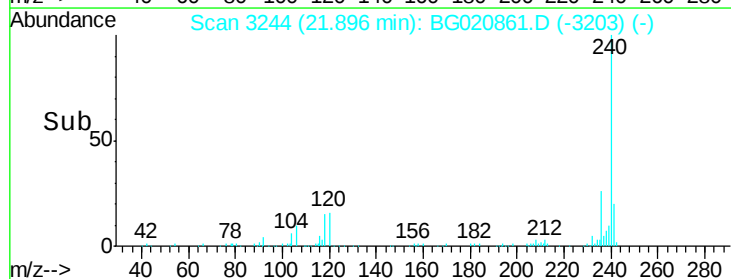
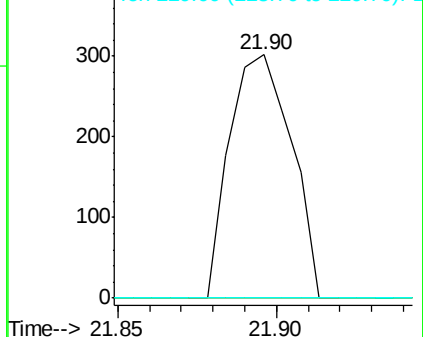
Tgt Ion:	228	Resp:	407
Ion	Ratio	Lower	Upper
228	100		
226	0.0	25.3	37.9#
229	0.0	16.2	24.2#

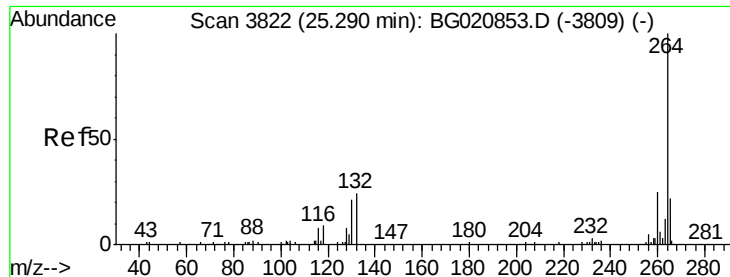


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

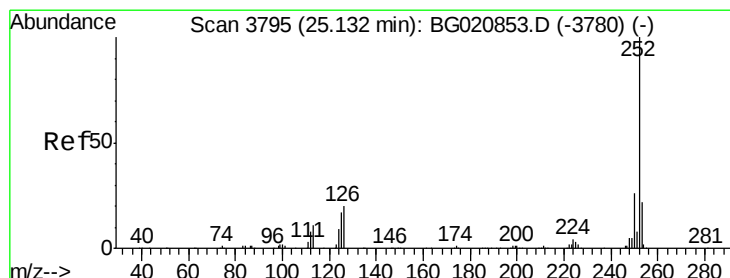
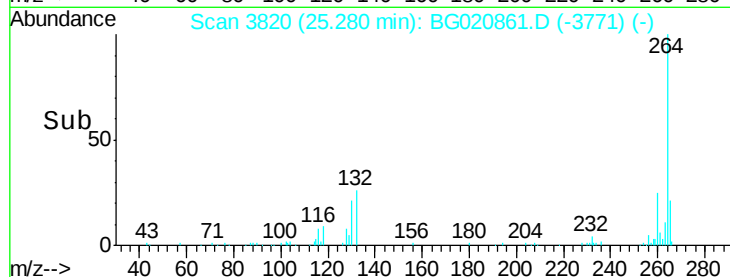
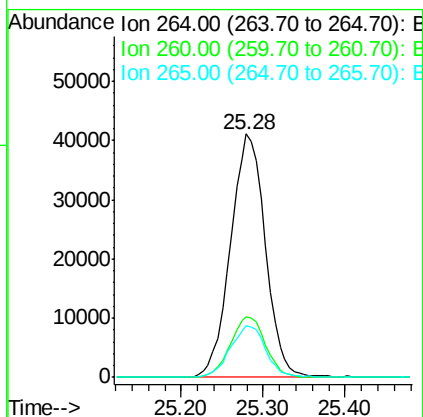
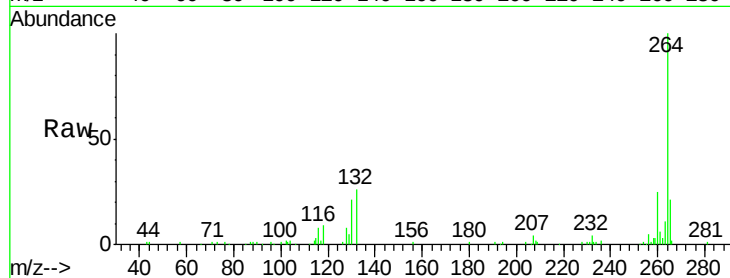




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.28 min Scan# 3820
Delta R.T. -0.01 min
Lab File: BG020861.D
Acq: 11 Feb 2016 18:09

Instrument :
BNA_G
ClientSampled :
PB87601BL

Tgt Ion:264 Resp: 121588
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 21.3 18.0 27.0



#89
Benzo(a)pyrene
Concen: 0.04 ng
RT: 25.29 min Scan# 3822
Delta R.T. 0.16 min
Lab File: BG020861.D
Acq: 11 Feb 2016 18:09

Tgt Ion:252 Resp: 259
Ion Ratio Lower Upper
252 100
253 0.0 17.4 26.2#
125 0.0 13.6 20.4#

