

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021116\
 Data File : BG020875.D
 Acq On : 12 Feb 2016 3:17
 Operator : SJ/UM
 Sample : H1420-01
 Misc : LOQ 20PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HW-27

Quant Time: Feb 12 04:52:22 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	19490	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	99300	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	62087	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	123257	20.00	ng	0.00
75) Chrysene-d12	21.89	240	115458	20.00	ng	-0.01
86) Perylene-d12	25.27	264	110359	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	60415	52.20	ng	0.00
7) Phenol-d6	7.40	99	54050	31.95	ng	0.00
23) Nitrobenzene-d5	9.44	82	131584	87.13	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	90913	148.90	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	397737	89.99	ng	0.00
78) Terphenyl-d14	20.20	244	495680	100.15	ng	0.00

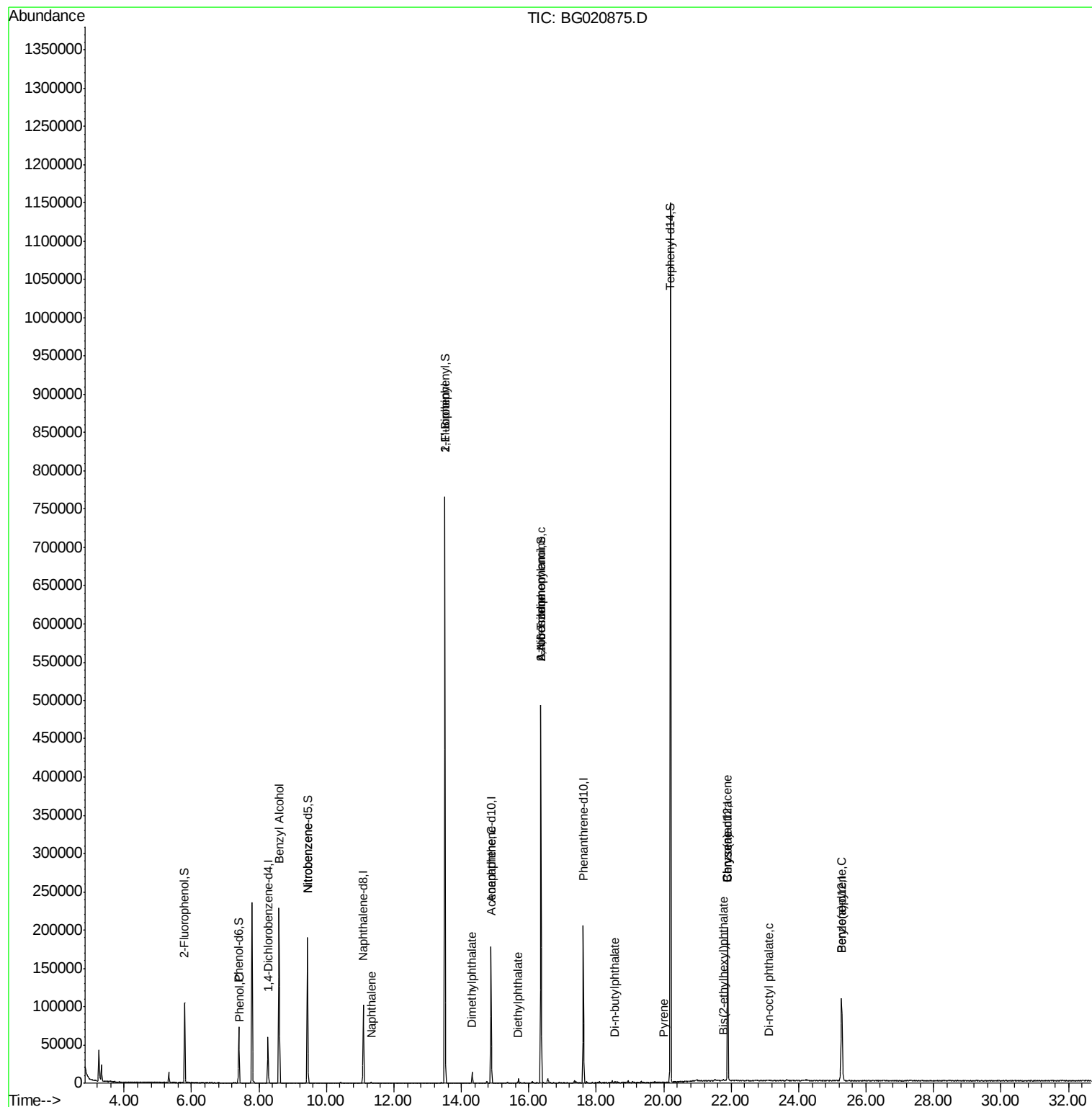
Target Compounds						Qvalue
10) Phenol	7.43	94	477	0.27	ng	# 54
15) Benzyl Alcohol	8.59	79	1465	1.37	ng	# 40
24) Nitrobenzene	9.44	77	246	0.16	ng	# 33
31) Naphthalene	11.33	128	53	0.01	ng	# 1
45) 1,1'-Biphenyl	13.51	154	660	0.12	ng	# 1
49) Dimethylphthalate	14.32	163	10793	2.22	ng	99
51) Acenaphthene	14.89	154	131	0.03	ng	# 2
59) Diethylphthalate	15.67	149	612	0.12	ng	# 60
62) Azobenzene	16.36	77	362	0.09	ng	# 1
65) n-Nitrosodiphenylamine	16.36	169	3348	0.84	ng	# 36
73) Di-n-butylphthalate	18.55	149	844	0.10	ng	# 78
77) Pyrene	20.01	202	65	0.01	ng	# 56
80) Benzo(a)anthracene	21.89	228	312	0.05	ng	# 50
82) Chrysene	21.89	228	312	0.05	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.77	149	601	0.11	ng	# 54
84) Di-n-octyl phthalate	23.11	149	60	0.01	ng	# 1
89) Benzo(a)pyrene	25.28	252	185	0.03	ng	# 57

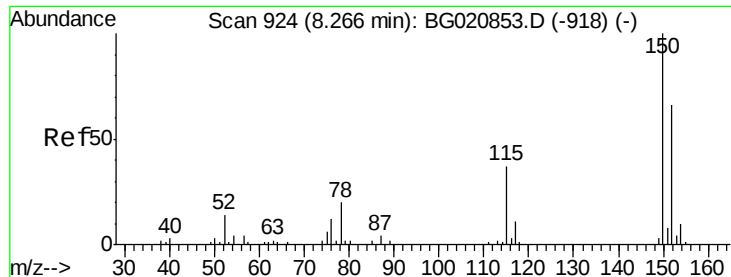
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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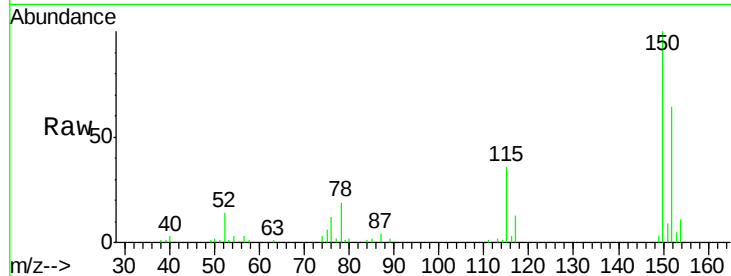


#1

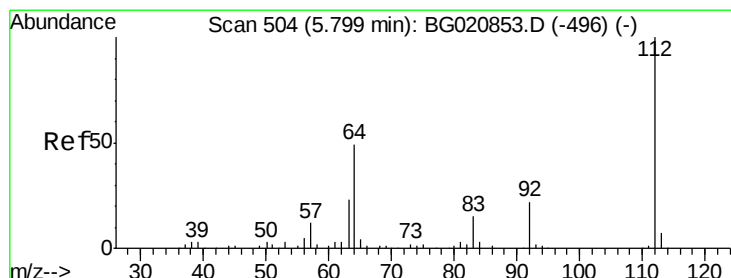
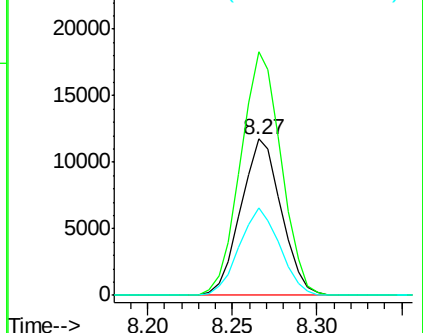
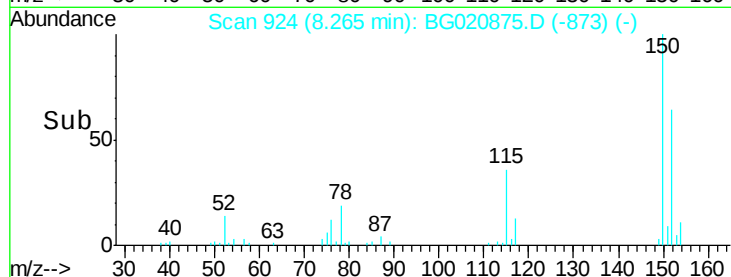
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG020875.D
Acq: 12 Feb 2016 3:17

Instrument :
BNA_G
ClientSampleId :
HW-27

Tgt Ion:152 Resp: 19490
Ion Ratio Lower Upper
152 100
150 155.9 122.0 183.0
115 55.8 45.2 67.8



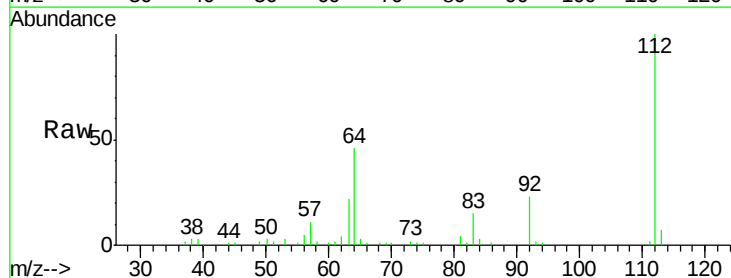
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



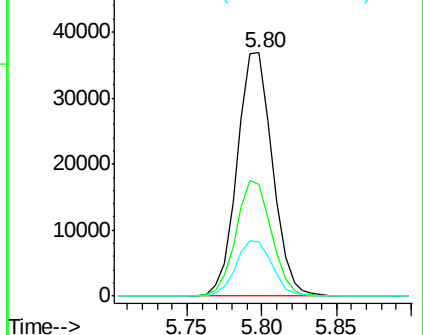
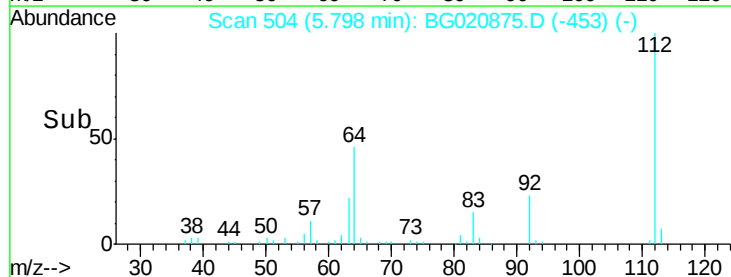
#5

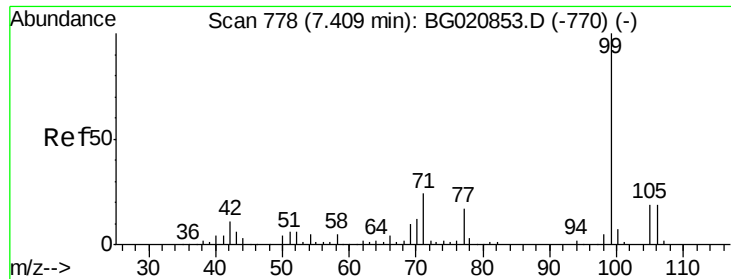
2-Fluorophenol
Concen: 52.20 ng
RT: 5.80 min Scan# 504
Delta R.T. -0.00 min
Lab File: BG020875.D
Acq: 12 Feb 2016 3:17

Tgt Ion:112 Resp: 60415
Ion Ratio Lower Upper
112 100
64 46.0 39.3 58.9
63 22.0 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: 31.95 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.01 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

Instrument :

BNA_G

ClientSampleId :

HW-27

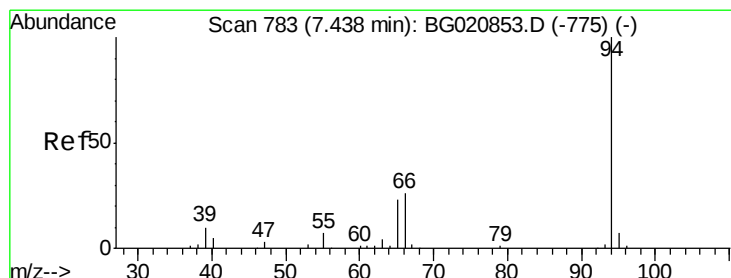
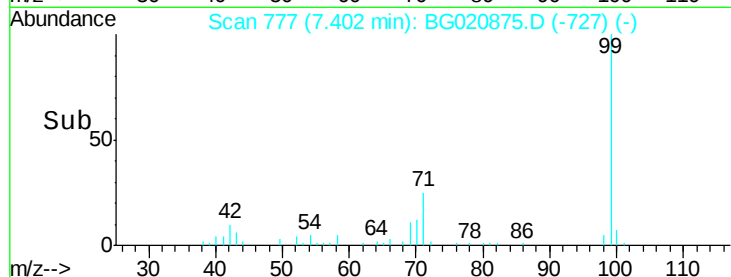
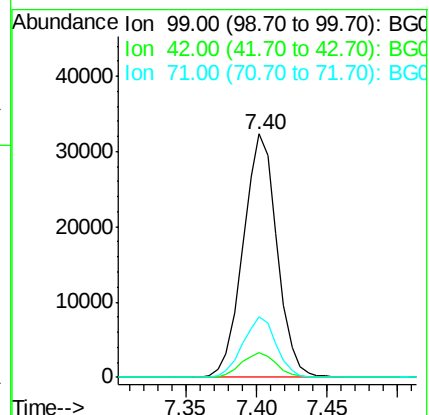
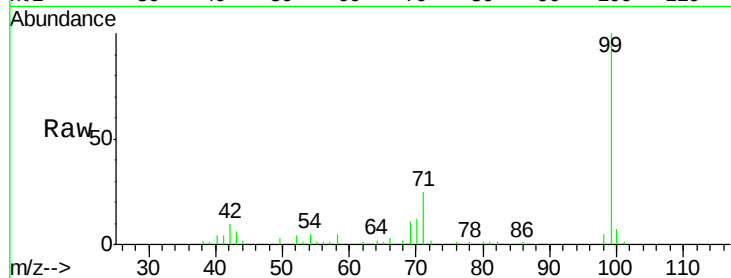
Tgt Ion: 99 Resp: 54050

Ion Ratio Lower Upper

99 100

42 10.3 8.4 12.6

71 25.0 19.4 29.0



#10

Phenol

Concen: 0.27 ng

RT: 7.43 min Scan# 781

Delta R.T. -0.01 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

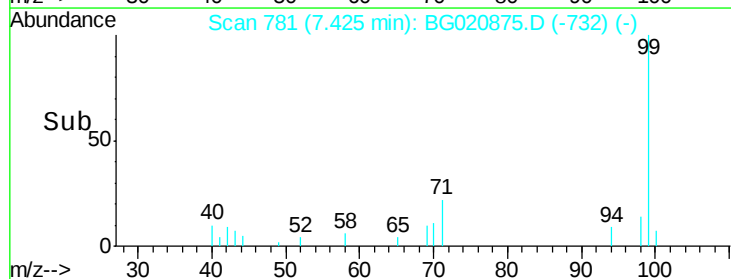
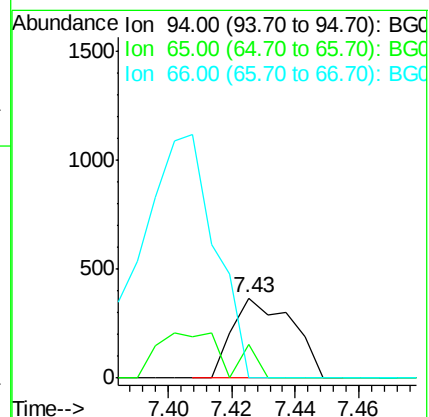
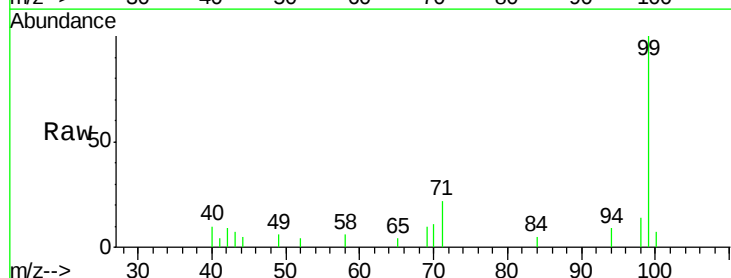
Tgt Ion: 94 Resp: 477

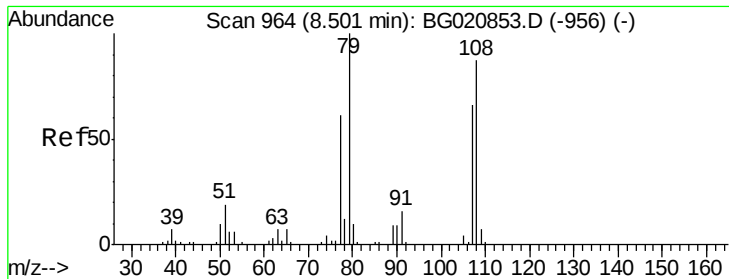
Ion Ratio Lower Upper

94 100

65 41.7 2.8 42.8

66 0.0 7.2 47.2#





#15

Benzyl Alcohol

Concen: 1.37 ng

RT: 8.59 min Scan# 980

Delta R.T. 0.09 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

Instrument :

BNA_G

ClientSampled :

HW-27

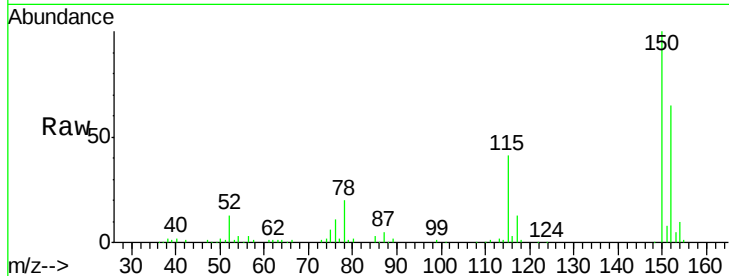
Tgt Ion: 79 Resp: 1465

Ion Ratio Lower Upper

79 100

108 36.0 69.4 104.2#

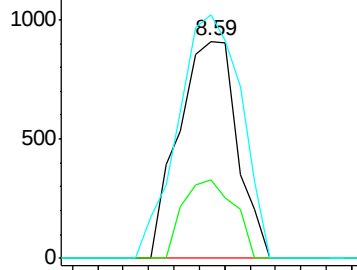
77 112.1 48.6 73.0#



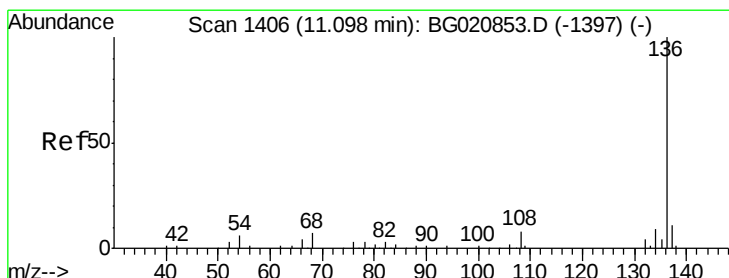
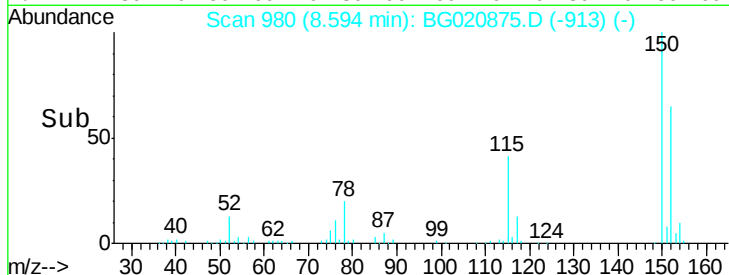
Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.09 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

Tgt Ion: 136 Resp: 99300

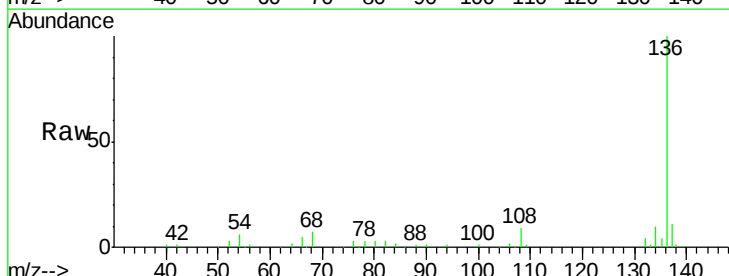
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.0 5.0 7.4

68 7.2 5.2 7.8

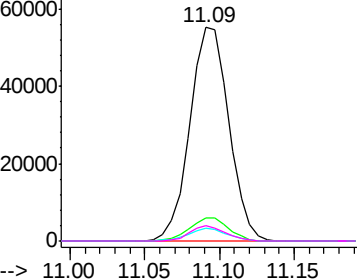


Abundance Ion 136.00 (135.70 to 136.70): BGC

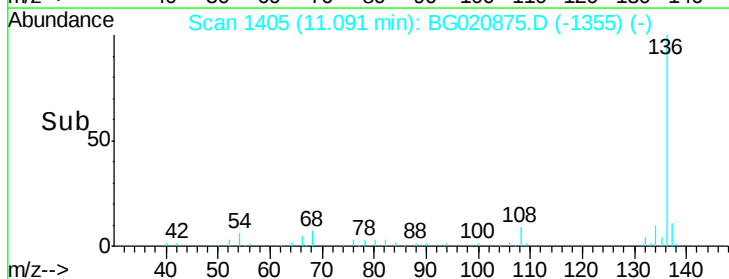
Ion 137.00 (136.70 to 137.70): BGC

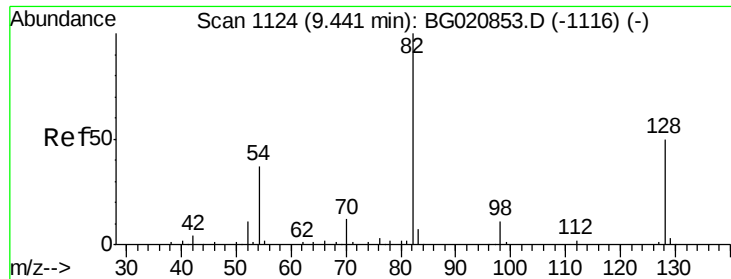
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->

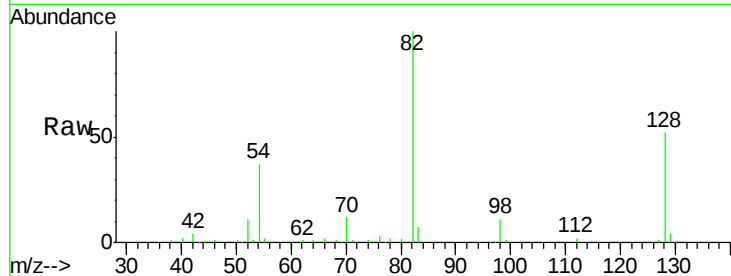




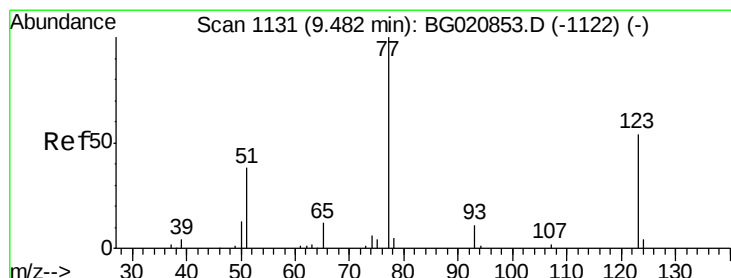
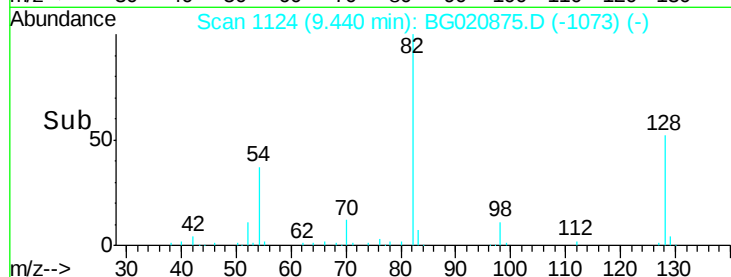
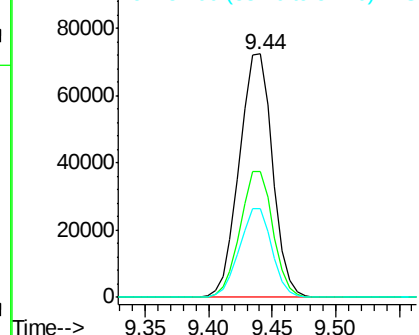
#23
 Nitrobenzene-d5
 Concen: 87.13 ng
 RT: 9.44 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BG020875.D
 Acq: 12 Feb 2016 3:17

Instrument :
 BNA_G
 ClientSampled :
 HW-27

Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.5	40.1	60.1
54	36.7	29.5	44.3

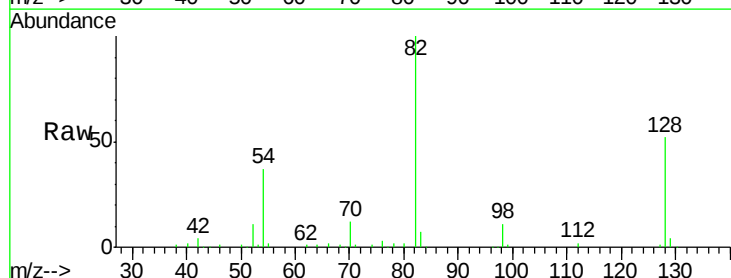


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

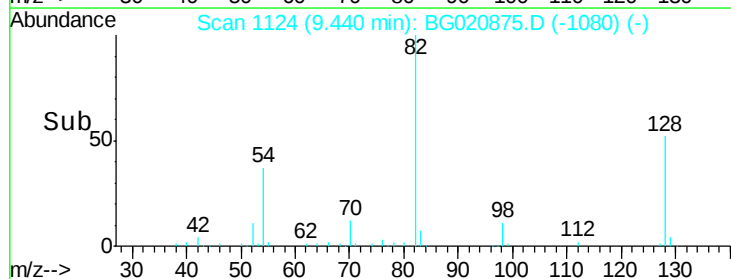
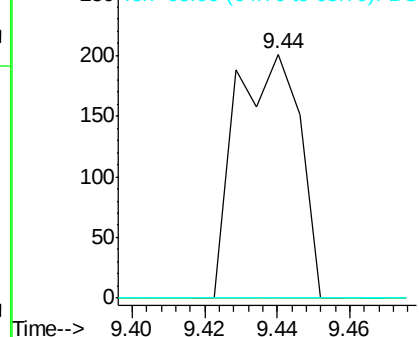


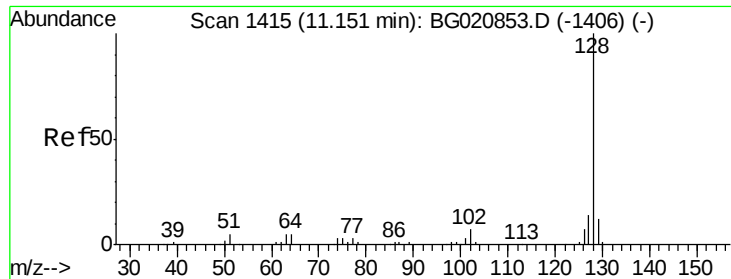
#24
 Nitrobenzene
 Concen: 0.16 ng
 RT: 9.44 min Scan# 1124
 Delta R.T. -0.04 min
 Lab File: BG020875.D
 Acq: 12 Feb 2016 3:17

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

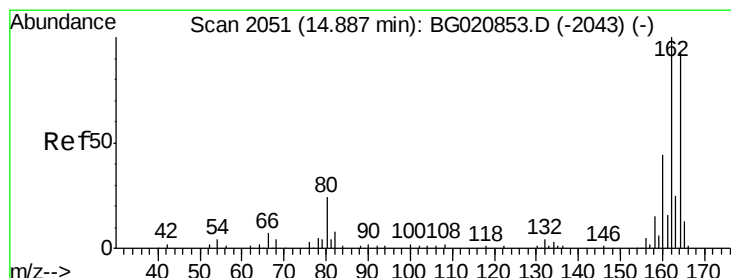
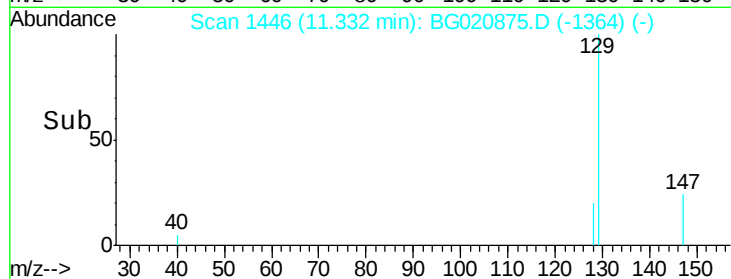
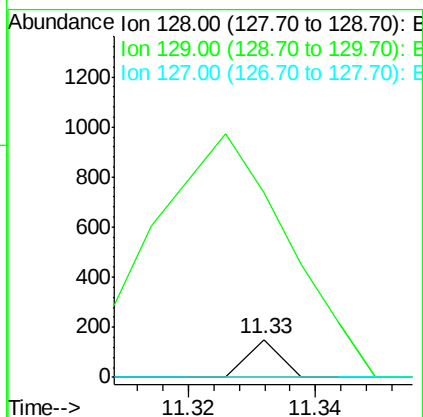
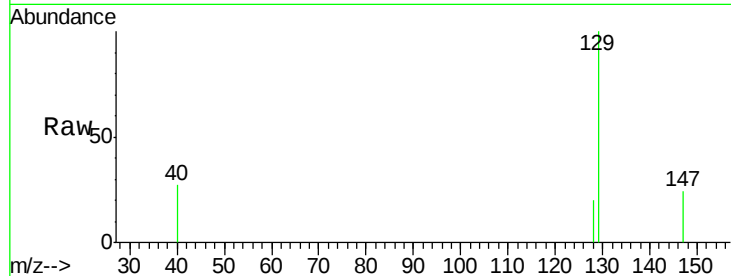




#31
Naphthalene
Concen: 0.01 ng
RT: 11.33 min Scan# 1446
Delta R.T. 0.18 min
Lab File: BG020875.D
Acq: 12 Feb 2016 3:17

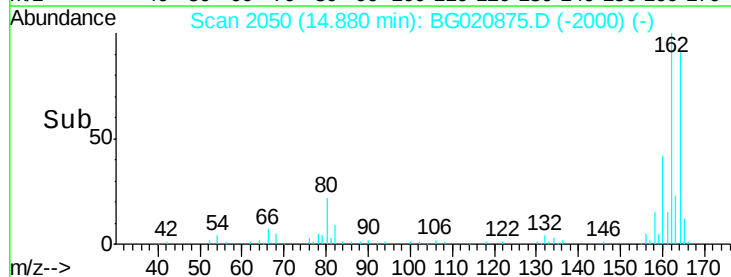
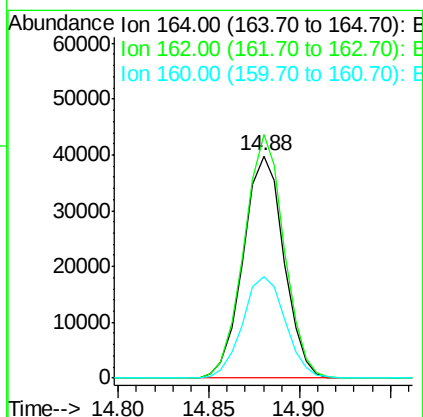
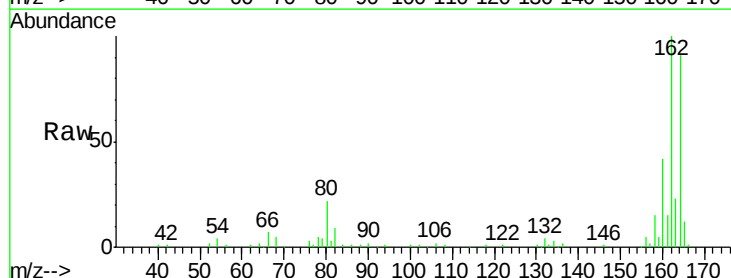
Instrument :
BNA_G
ClientSampled :
HW-27

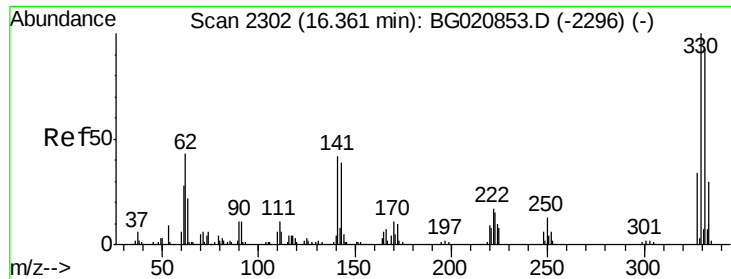
Tgt Ion:128 Resp: 53
Ion Ratio Lower Upper
128 100
129 490.1 9.3 13.9#
127 0.0 11.4 17.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.88 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BG020875.D
Acq: 12 Feb 2016 3:17

Tgt Ion:164 Resp: 62087
Ion Ratio Lower Upper
164 100
162 109.6 85.7 128.5
160 46.0 37.4 56.0

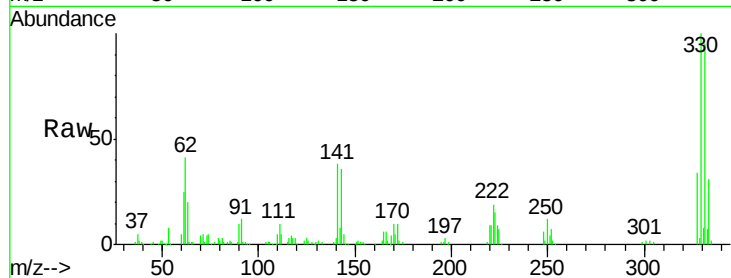




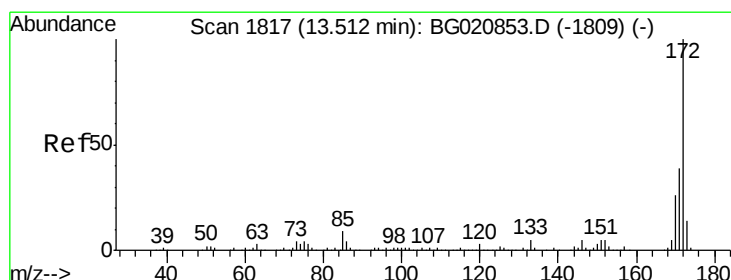
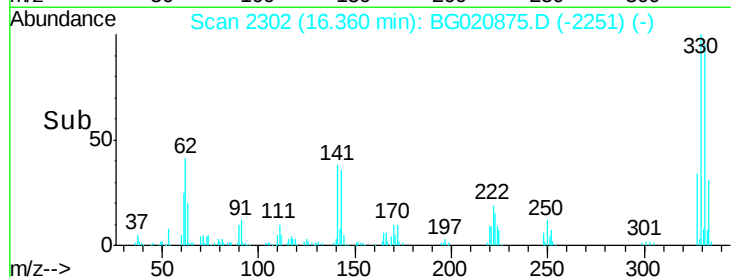
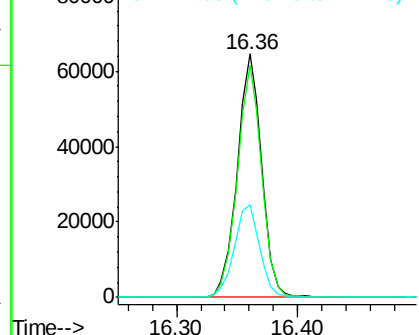
#41
 2,4,6-Tribromophenol
 Concen: 148.90 ng
 RT: 16.36 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: BG020875.D
 Acq: 12 Feb 2016 3:17

Instrument :
 BNA_G
 ClientSampleId :
 HW-27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.1	114.1
141	39.2	32.0	48.0

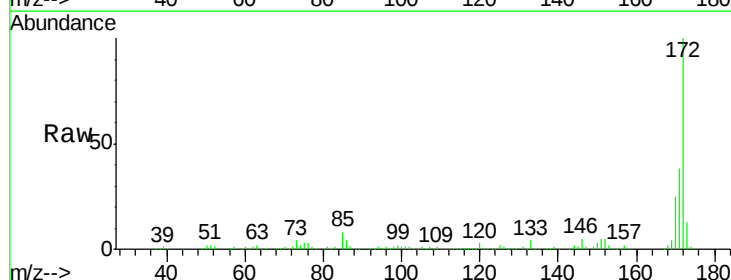


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

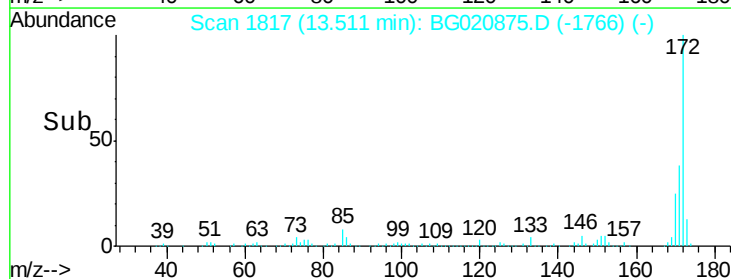
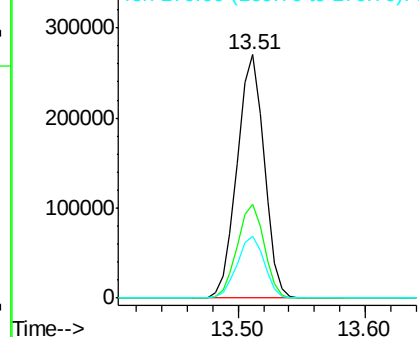


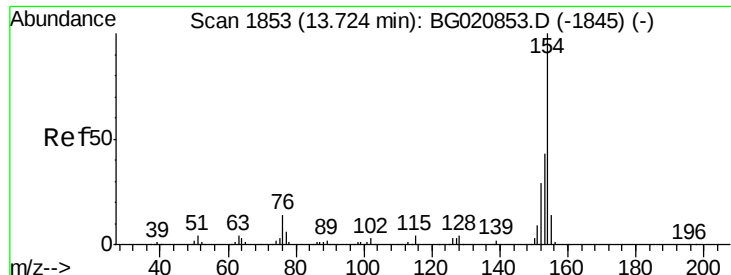
#44
 2-Fluorobiphenyl
 Concen: 89.99 ng
 RT: 13.51 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: BG020875.D
 Acq: 12 Feb 2016 3:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.2	46.8
170	25.4	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

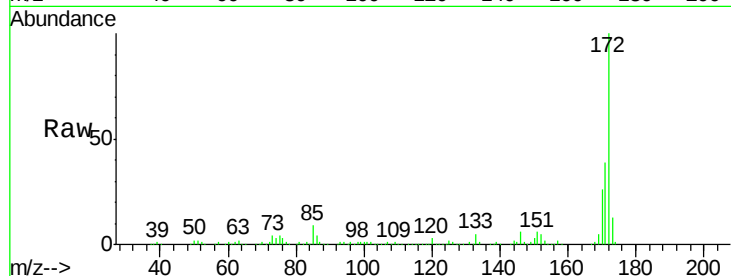




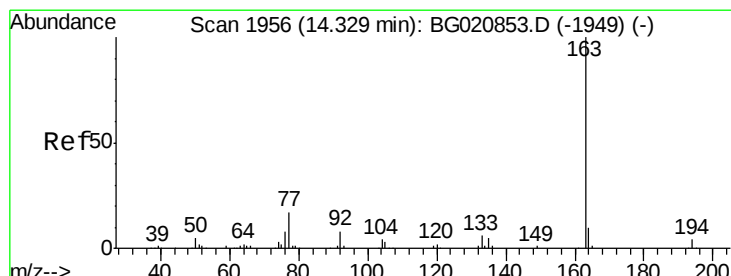
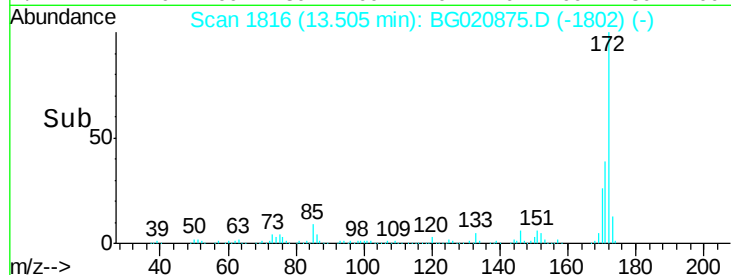
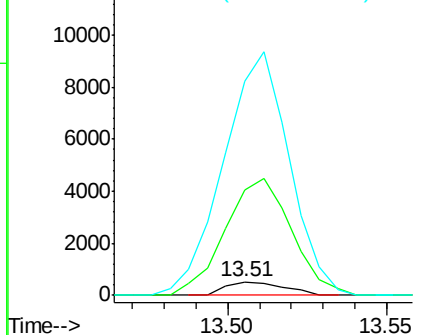
#45
1,1'-Biphenyl
Concen: 0.12 ng
RT: 13.51 min Scan# 1816
Delta R.T. -0.22 min
Lab File: BG020875.D
Acq: 12 Feb 2016 3:17

Instrument :
BNA_G
ClientSampleId :
HW-27

Tgt Ion:154 Resp: 660
Ion Ratio Lower Upper
154 100
153 796.7 22.5 62.5#
76 1614.1 0.0 33.8#

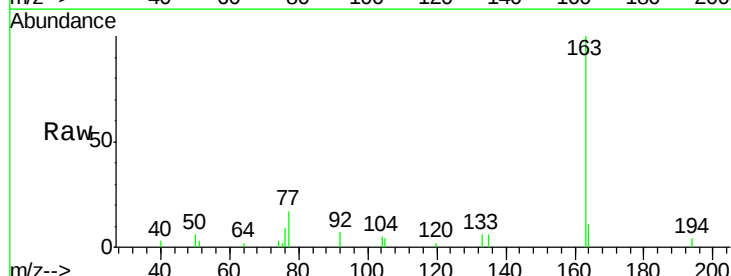


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

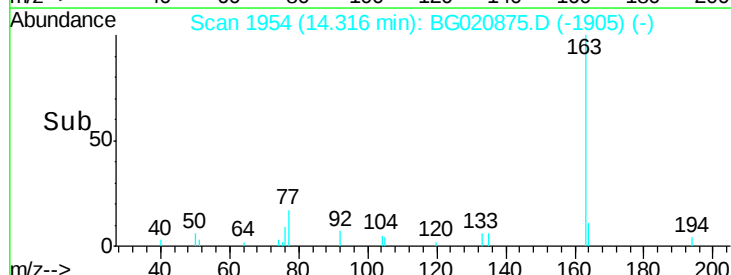
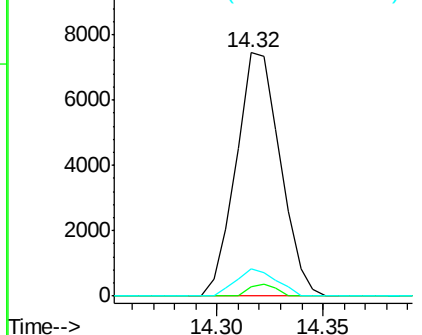


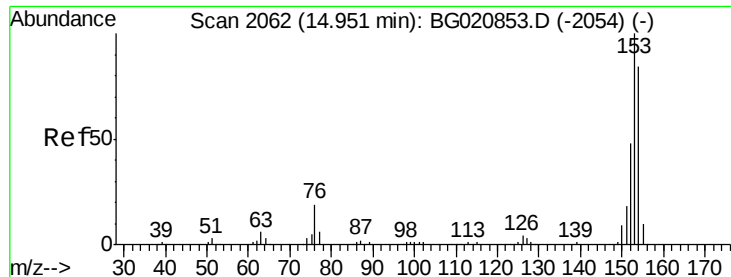
#49
Dimethylphthalate
Concen: 2.22 ng
RT: 14.32 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BG020875.D
Acq: 12 Feb 2016 3:17

Tgt Ion:163 Resp: 10793
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 11.1 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 0.03 ng

RT: 14.89 min Scan# 2052

Delta R.T. -0.06 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

Instrument :

BNA_G

ClientSampled :

HW-27

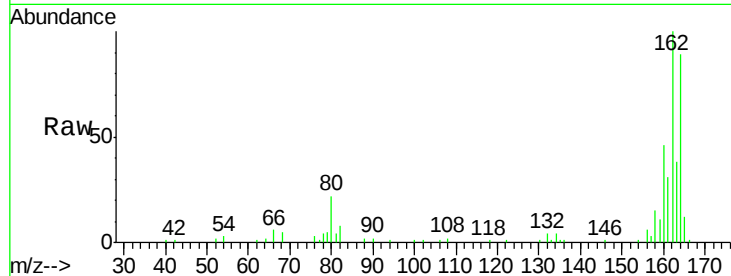
Tgt Ion:154 Resp: 131

Ion Ratio Lower Upper

154 100

153 0.0 95.4 143.0#

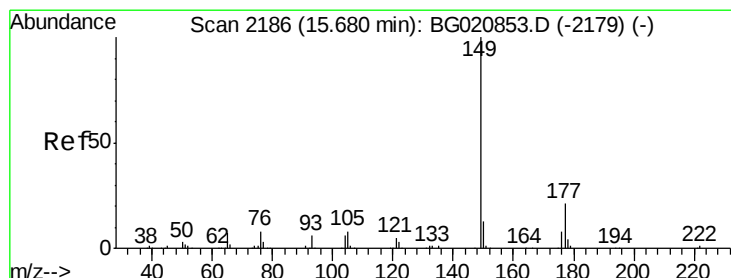
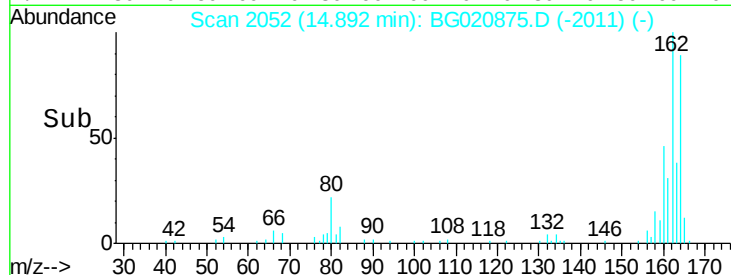
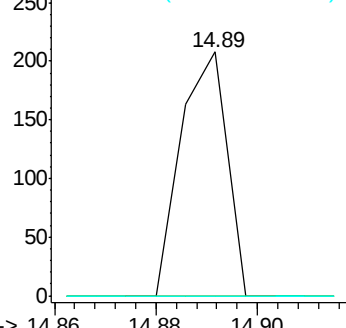
152 0.0 46.1 69.1#



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



#59

Diethylphthalate

Concen: 0.12 ng

RT: 15.67 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

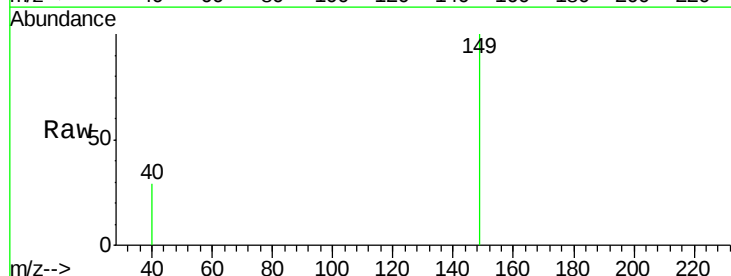
Tgt Ion:149 Resp: 612

Ion Ratio Lower Upper

149 100

177 0.0 16.9 25.3#

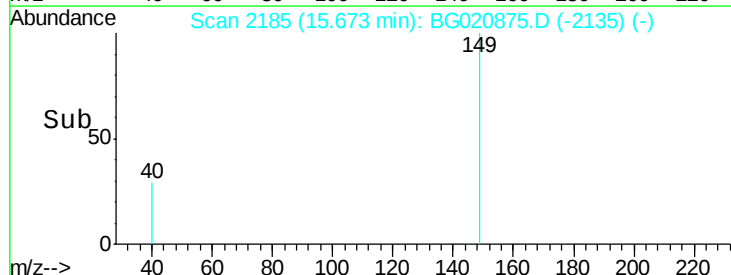
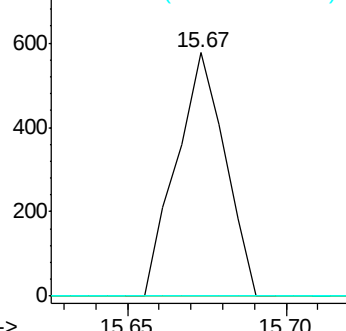
150 0.0 10.1 15.1#

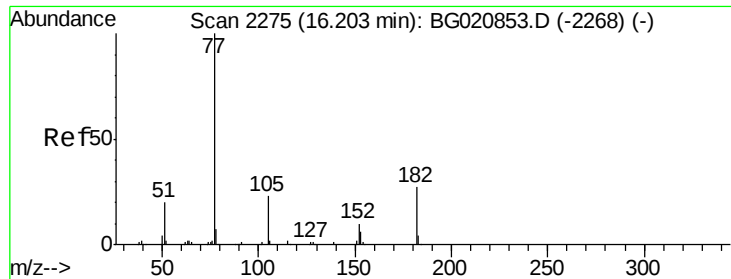


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.09 ng

RT: 16.36 min Scan# 2302

Delta R.T. 0.16 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

Instrument :

BNA_G

ClientSampleId :

HW-27

Tgt Ion: 77 Resp: 362

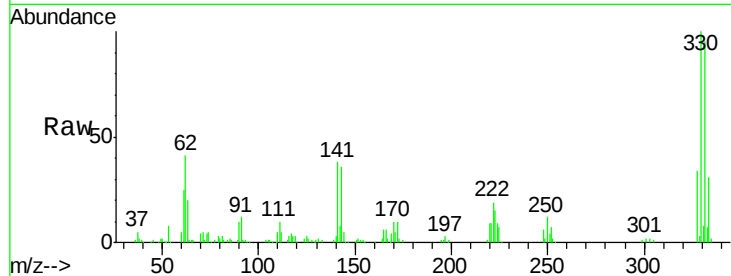
Ion Ratio Lower Upper

77 100

182 0.0 6.8 46.8#

105 113.9 3.4 43.4#

51 72.0 0.0 39.9#

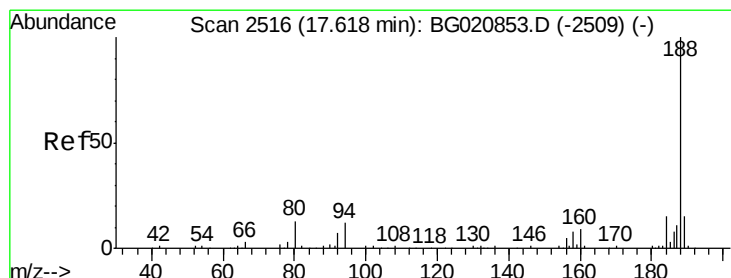
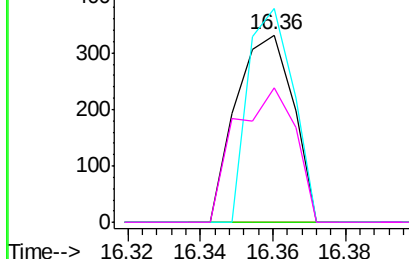
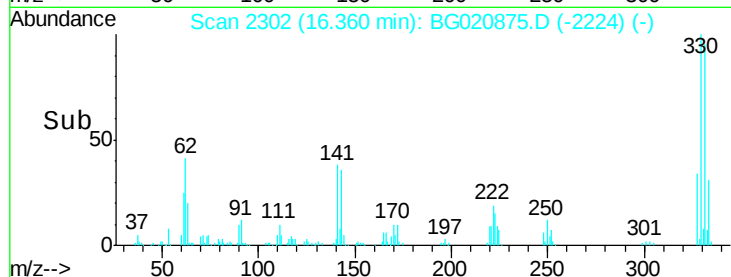


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: BG020875.D

Acq: 12 Feb 2016 3:17

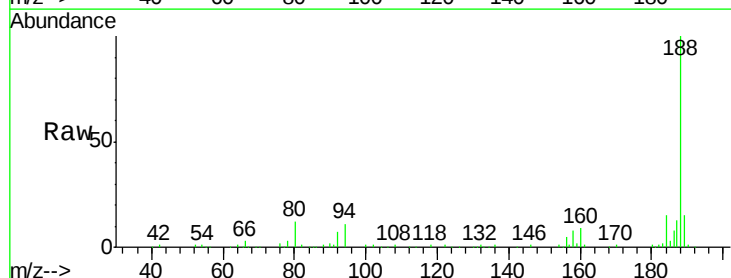
Tgt Ion: 188 Resp: 123257

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.0

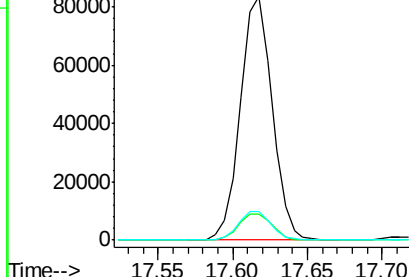
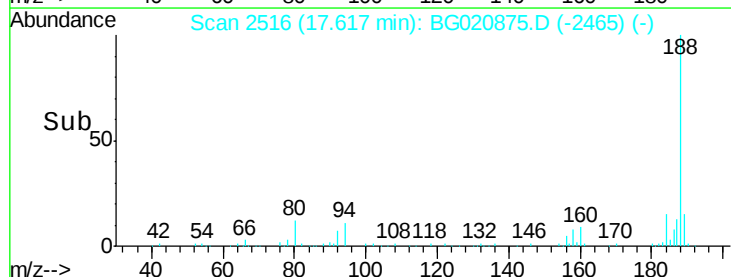
80 11.7 10.2 15.4

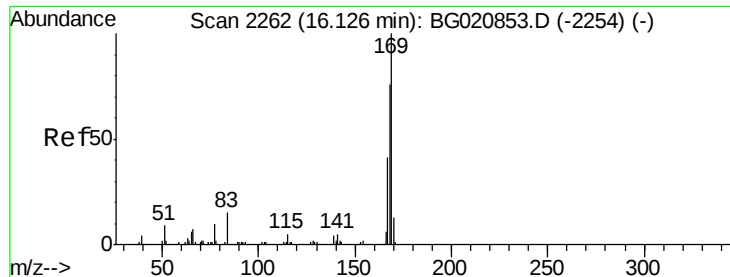


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

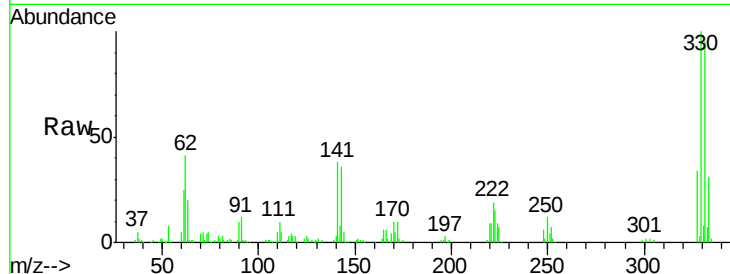




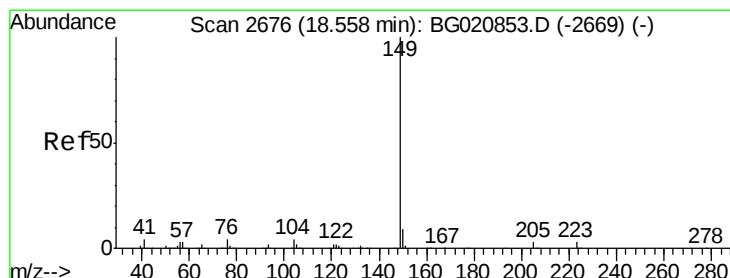
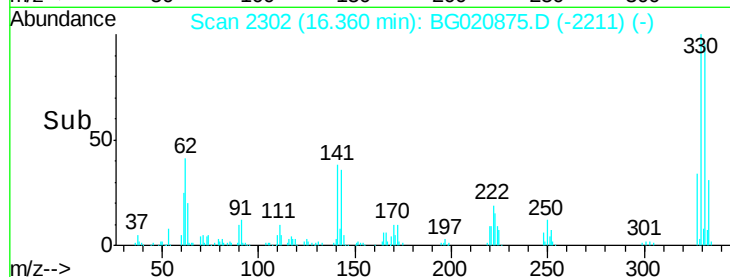
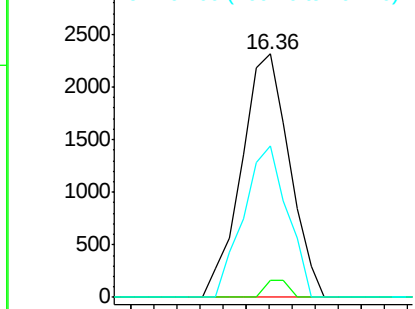
#65
 n-Nitrosodiphenylamine
 Concen: 0.84 ng
 RT: 16.36 min Scan# 2302
 Delta R.T. 0.23 min
 Lab File: BG020875.D
 Acq: 12 Feb 2016 3:17

Instrument :
 BNA_G
 ClientSampleId :
 HW-27

Tgt Ion:169 Resp: 3348
 Ion Ratio Lower Upper
 169 100
 168 7.0 60.7 91.1#
 167 62.3 32.8 49.2#

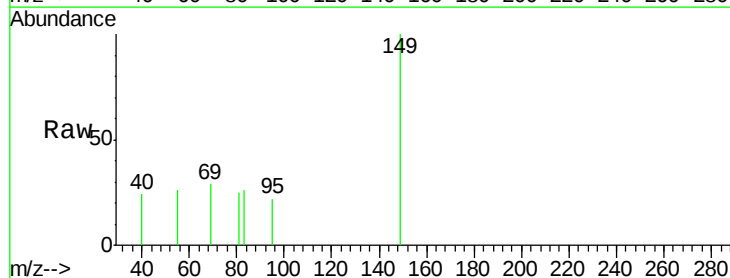


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

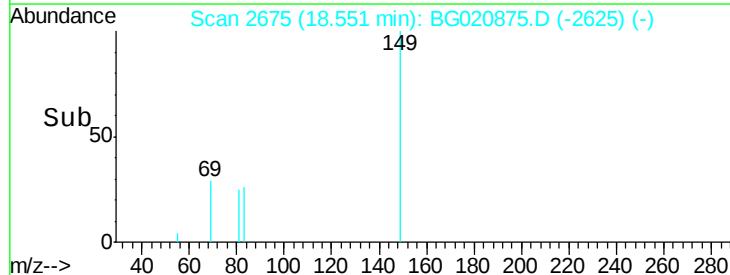
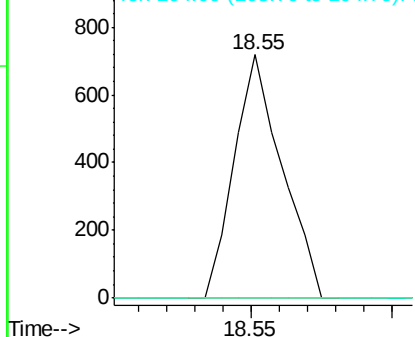


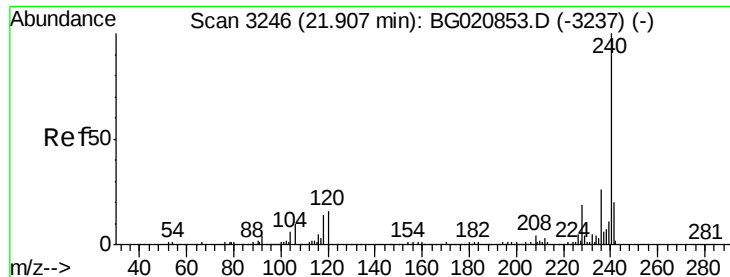
#73
 Di-n-butylphthalate
 Concen: 0.10 ng
 RT: 18.55 min Scan# 2675
 Delta R.T. -0.01 min
 Lab File: BG020875.D
 Acq: 12 Feb 2016 3:17

Tgt Ion:149 Resp: 844
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.6 11.4#
 104 0.0 3.4 5.0#



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: 21.89 min Scan# 3244

Delta R.T. -0.01 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

Instrument :

BNA_G

ClientSampleId :

HW-27

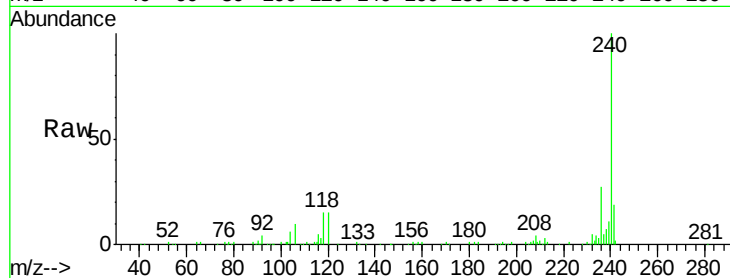
Tgt Ion:240 Resp: 115458

Ion Ratio Lower Upper

240 100

120 15.3 13.0 19.4

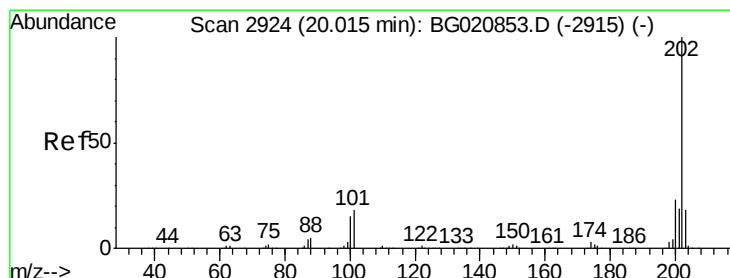
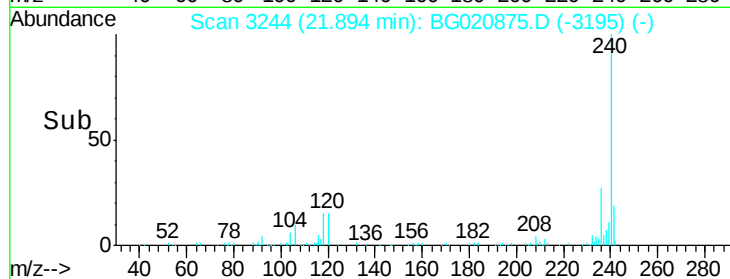
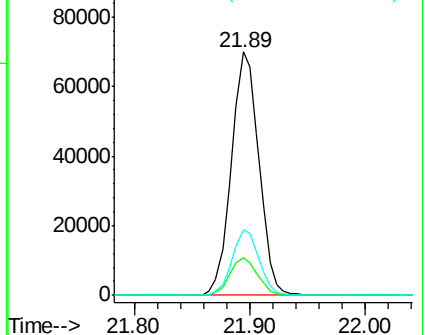
236 26.9 21.0 31.4



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: 0.01 ng

RT: 20.01 min Scan# 2923

Delta R.T. -0.01 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

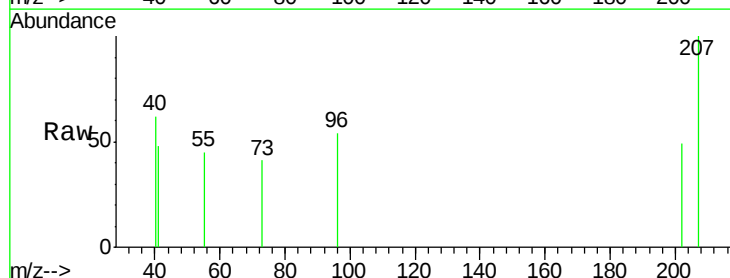
Tgt Ion:202 Resp: 65

Ion Ratio Lower Upper

202 100

200 0.0 18.5 27.7#

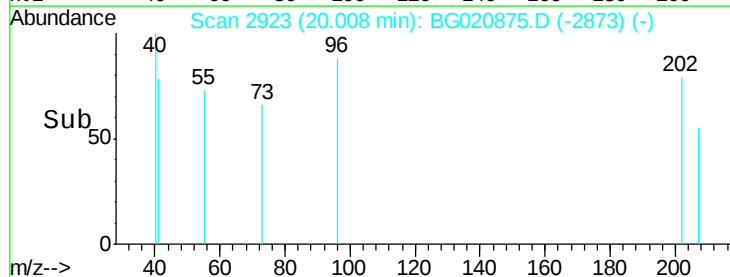
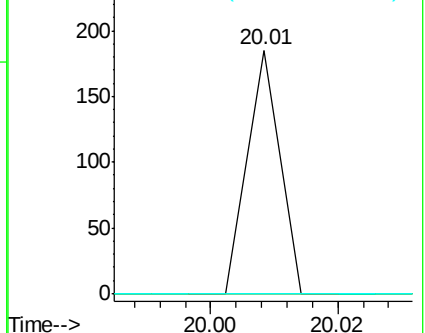
203 0.0 14.3 21.5#

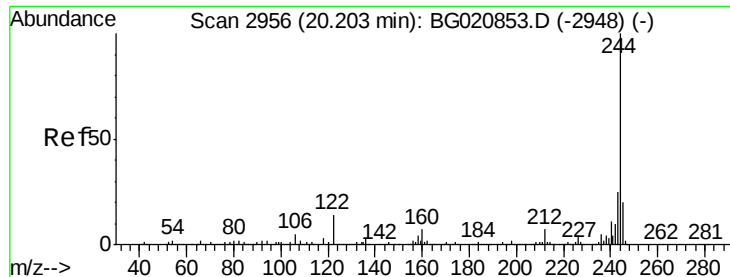


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 100.15 ng

RT: 20.20 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

Instrument :

BNA_G

ClientSampleId :

HW-27

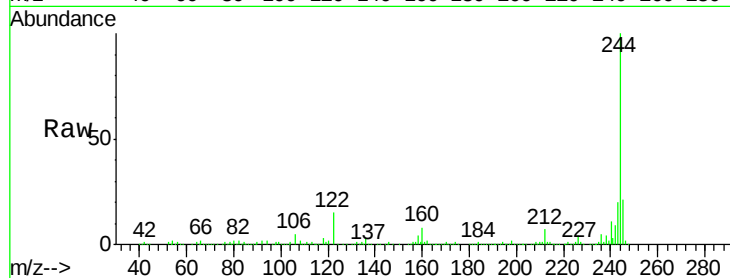
Tgt Ion:244 Resp: 495680

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

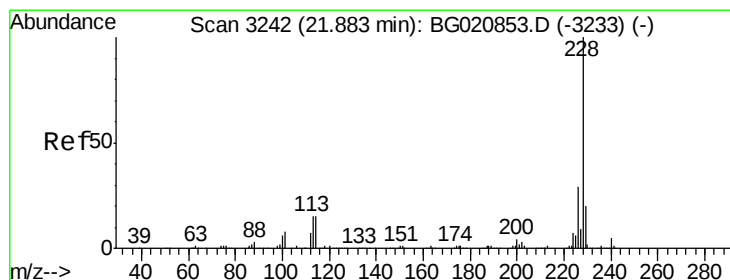
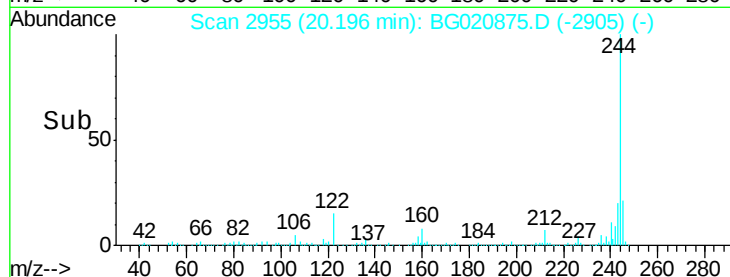
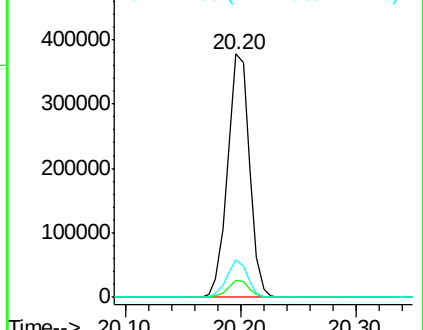
122 15.3 11.4 17.2



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: 21.89 min Scan# 3243

Delta R.T. 0.00 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

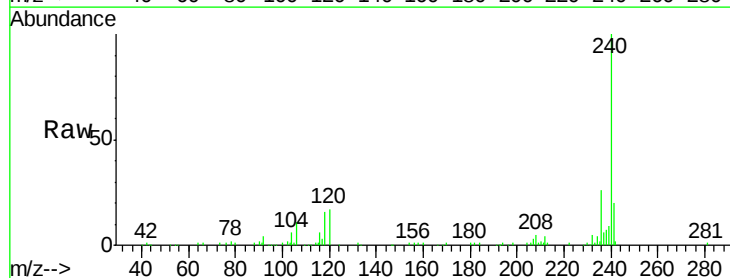
Tgt Ion:228 Resp: 312

Ion Ratio Lower Upper

228 100

226 0.0 23.1 34.7#

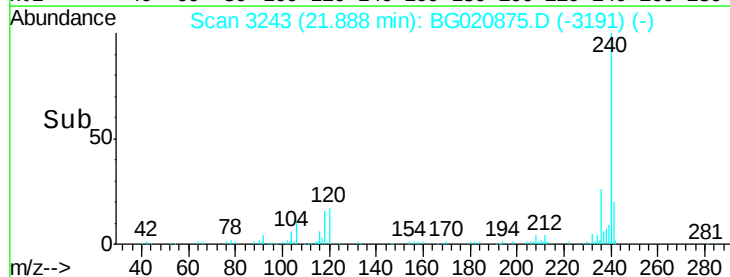
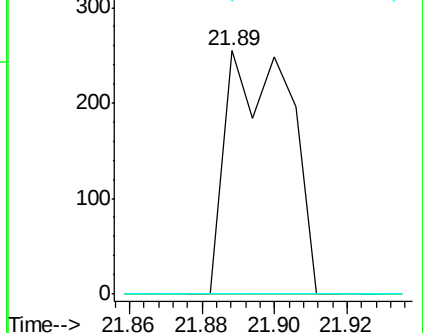
229 0.0 16.2 24.2#

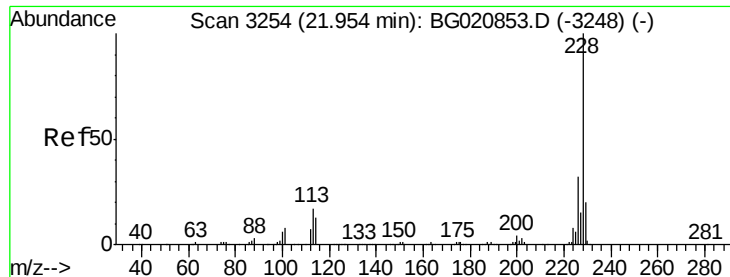


Abundance Ion 228.00 (227.70 to 228.70): E

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: 21.89 min Scan# 3243

Delta R.T. -0.07 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

Instrument :

BNA_G

ClientSampleId :

HW-27

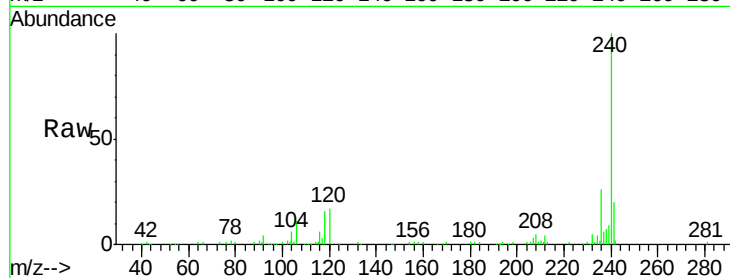
Tgt Ion:228 Resp: 312

Ion Ratio Lower Upper

228 100

226 0.0 25.3 37.9#

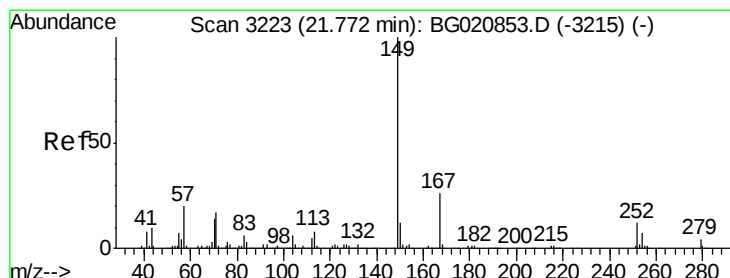
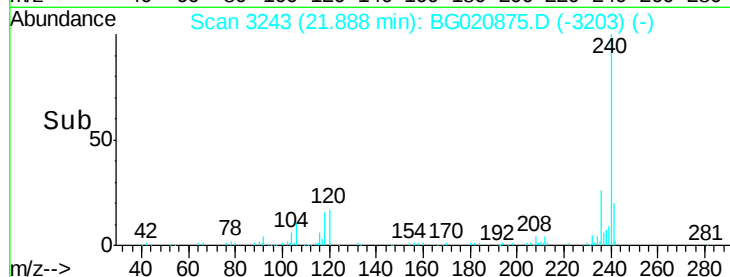
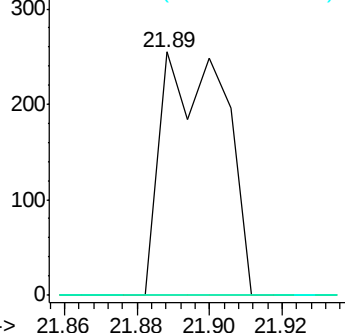
229 0.0 16.2 24.2#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 21.77 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

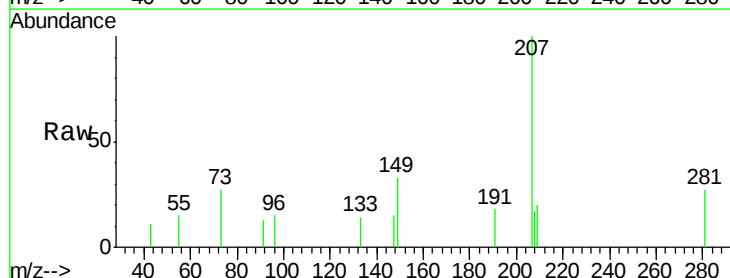
Tgt Ion:149 Resp: 601

Ion Ratio Lower Upper

149 100

167 0.0 20.9 31.3#

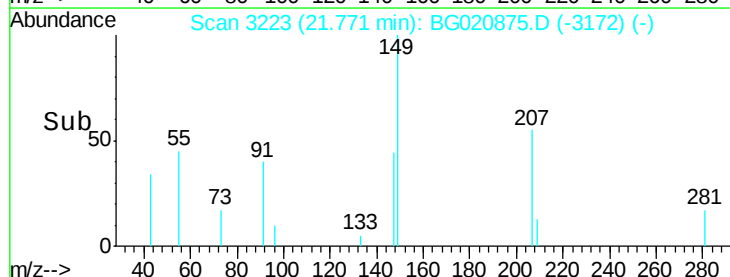
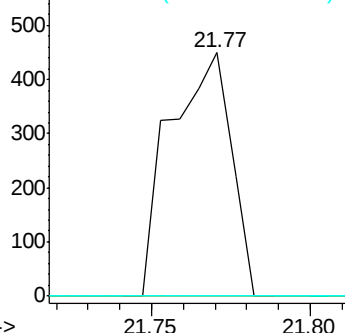
279 0.0 3.0 4.4#

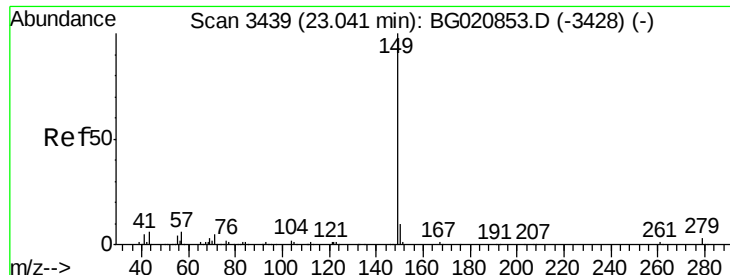


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.01 ng

RT: 23.11 min Scan# 3451

Delta R.T. 0.07 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

Instrument :

BNA_G

ClientSampleId :

HW-27

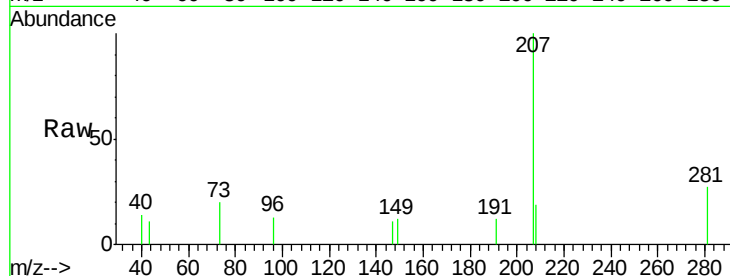
Tgt Ion:149 Resp: 60

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

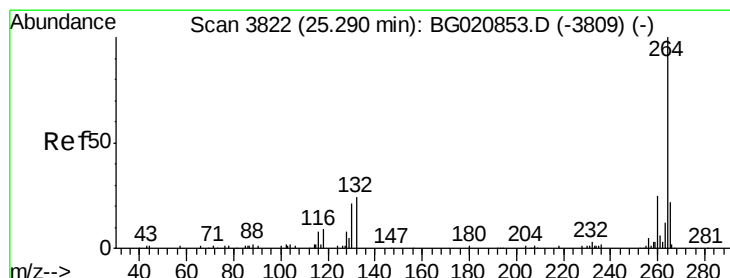
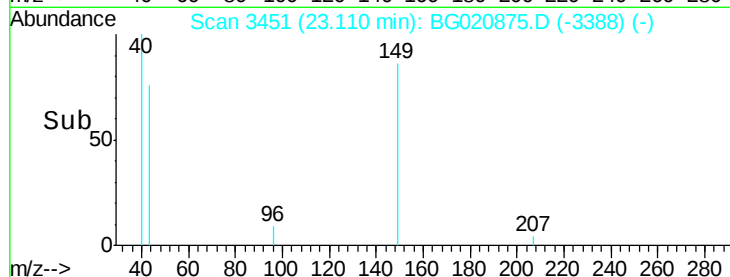
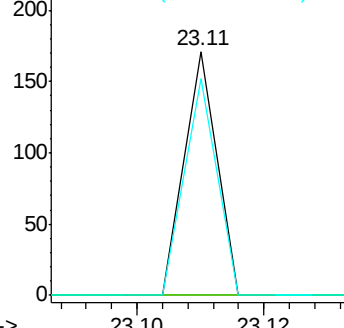
43 90.0 5.1 7.7#



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: 25.27 min Scan# 3819

Delta R.T. -0.02 min

Lab File: BG020875.D

Acq: 12 Feb 2016 3:17

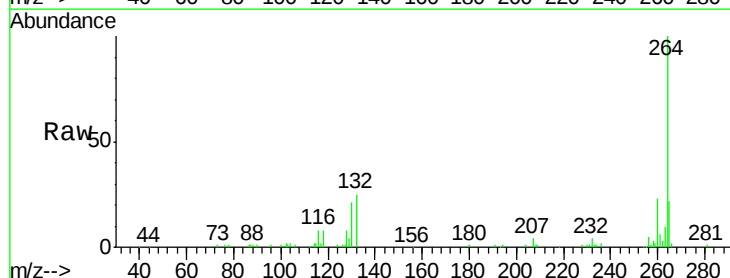
Tgt Ion:264 Resp: 110359

Ion Ratio Lower Upper

264 100

260 23.4 19.9 29.9

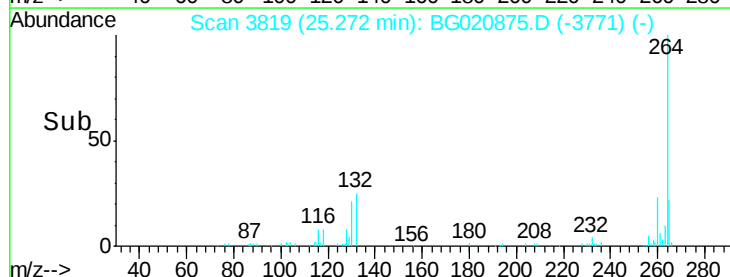
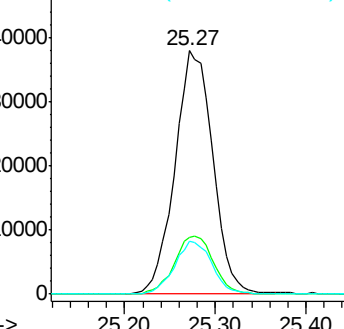
265 21.7 18.0 27.0

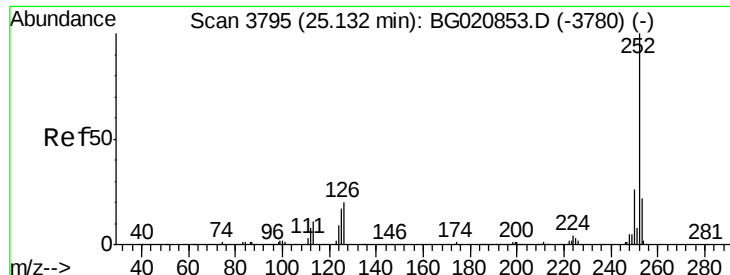


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.03 ng

RT: 25.28 min Scan# 3820

Delta R.T. 0.15 min

Lab File: BG020875.D

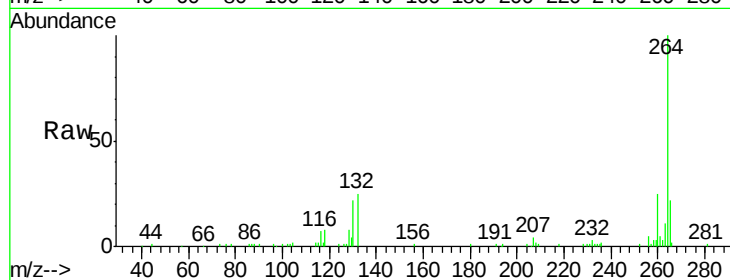
Acq: 12 Feb 2016 3:17

Instrument :

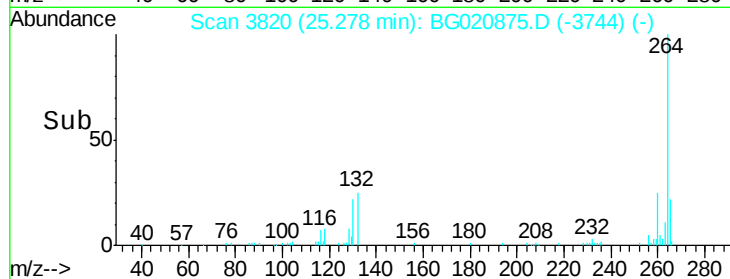
BNA_G

ClientSampleId :

HW-27



Tgt Ion:	252	Resp:	185
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

