

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021116\
 Data File : BG020879.D
 Acq On : 12 Feb 2016 5:54
 Operator : SJ/UM
 Sample : H1420-05
 Misc : L00 20PPM
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 12 09:56:26 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

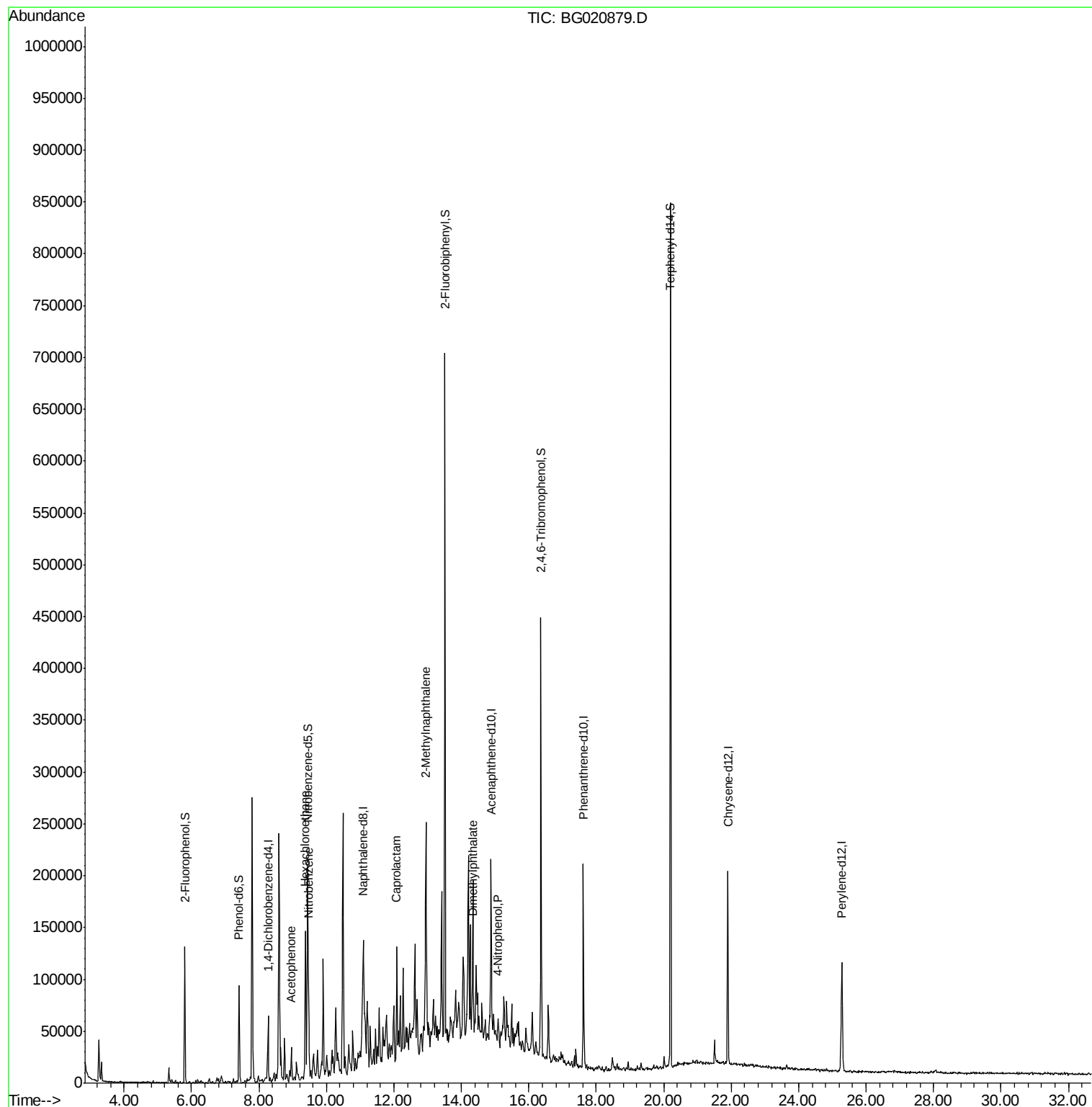
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	20272	20.00	ng	0.00
21) Naphthalene-d8	11.10	136	100048	20.00	ng	0.00
38) Acenaphthene-d10	14.89	164	59208	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	113914	20.00	ng	0.00
75) Chrysene-d12	21.90	240	108400	20.00	ng	0.00
86) Perylene-d12	25.28	264	102197	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	73623	61.16	ng	0.00
7) Phenol-d6	7.41	99	64940	36.91	ng	0.00
23) Nitrobenzene-d5	9.44	82	129895	85.37	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	79621	136.75	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	341424	81.00	ng	0.00
78) Terphenyl-d14	20.20	244	350404	75.41	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.38	117	16823	30.35	ng	# 1
22) Acetophenone	8.96	105	11000	4.56	ng	# 76
24) Nitrobenzene	9.47	77	3795	2.39	ng	# 8
35) Caprolactam	12.09	113	5832	10.62	ng	# 71
37) 2-Methylnaphthalene	12.95	142	94932	26.14	ng	# 96
49) Dimethylphthalate	14.32	163	23563	5.09	ng	# 97
55) 4-Nitrophenol	15.07	139	1989	2.28	ng	# 1

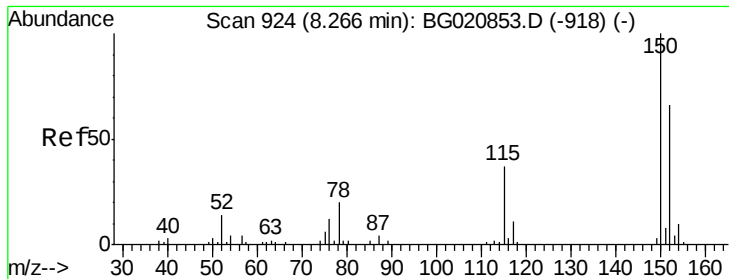
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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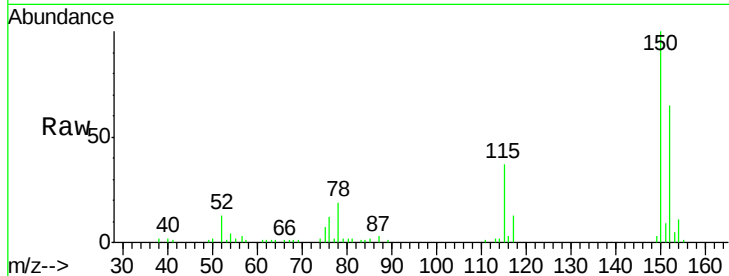


#1

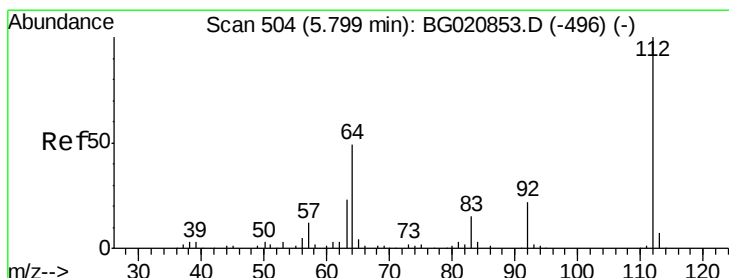
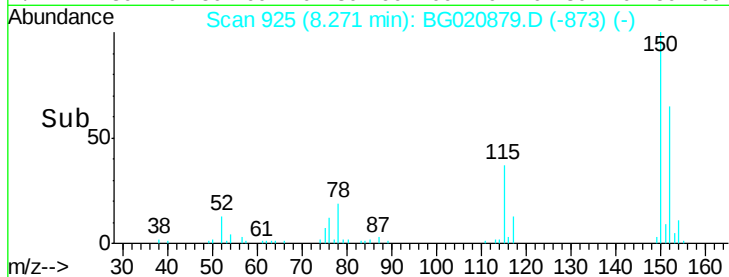
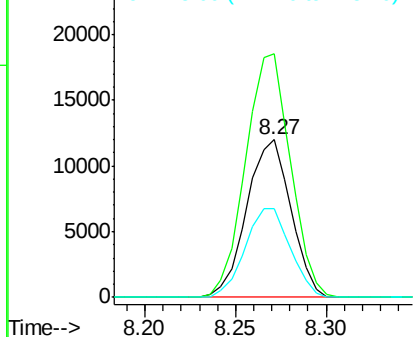
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG020879.D
Acq: 12 Feb 2016 5:54

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 20272
Ion Ratio Lower Upper
152 100
150 154.3 122.0 183.0
115 56.5 45.2 67.8



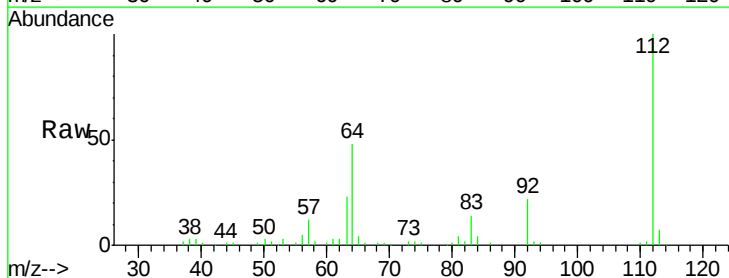
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



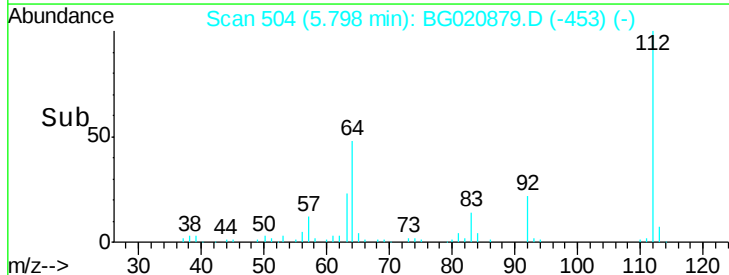
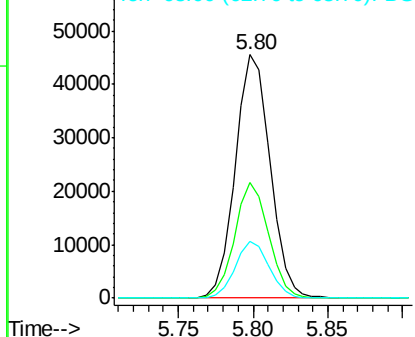
#5

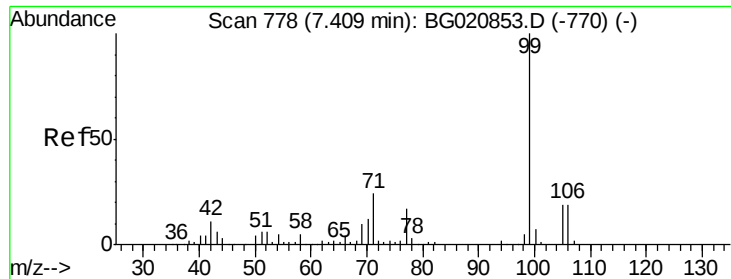
2-Fluorophenol
Concen: 61.16 ng
RT: 5.80 min Scan# 504
Delta R.T. -0.00 min
Lab File: BG020879.D
Acq: 12 Feb 2016 5:54

Tgt Ion:112 Resp: 73623
Ion Ratio Lower Upper
112 100
64 47.6 39.3 58.9
63 23.5 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: 36.91 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG020879.D

Acq: 12 Feb 2016 5:54

Instrument :

BNA_G

ClientSampled :

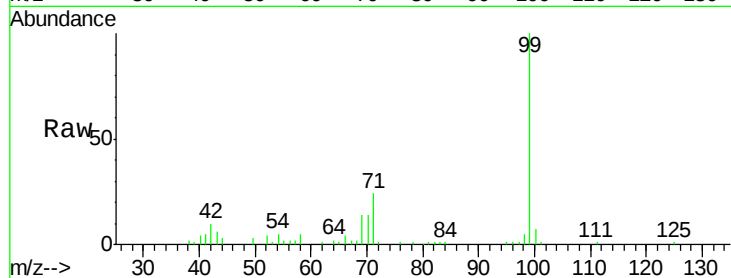
Tot Ion: 99 Resp: 64940

Ion Ratio Lower Upper

99 100

42 10.4 8.4 12.6

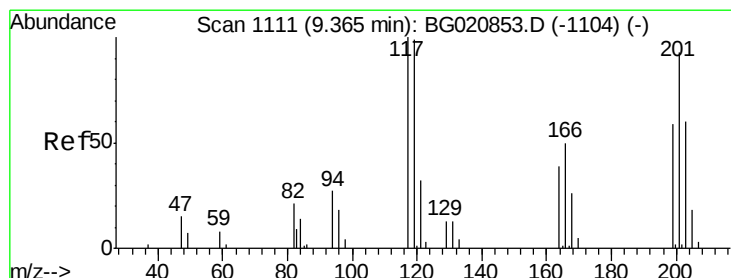
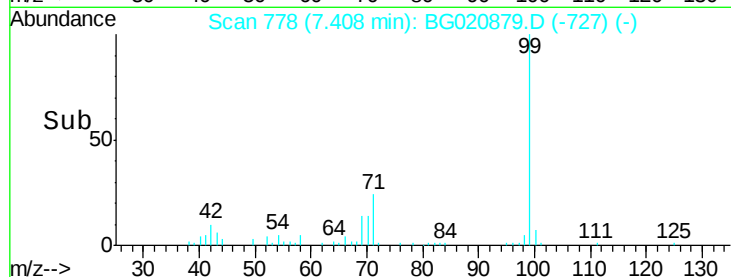
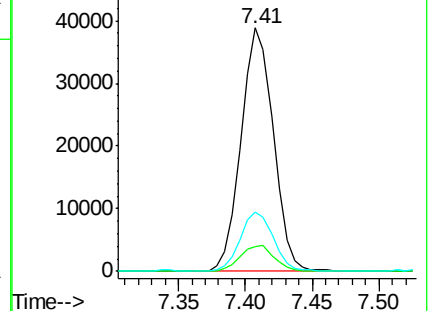
71 24.2 19.4 29.0



Abundance Ion 99.00 (98.70 to 99.70): BG020853.D (-770) (-)

Ion 42.00 (41.70 to 42.70): BG020853.D (-770) (-)

Ion 71.00 (70.70 to 71.70): BG020853.D (-770) (-)



#18

Hexachloroethane

Concen: 30.35 ng

RT: 9.38 min Scan# 1114

Delta R.T. 0.02 min

Lab File: BG020879.D

Acq: 12 Feb 2016 5:54

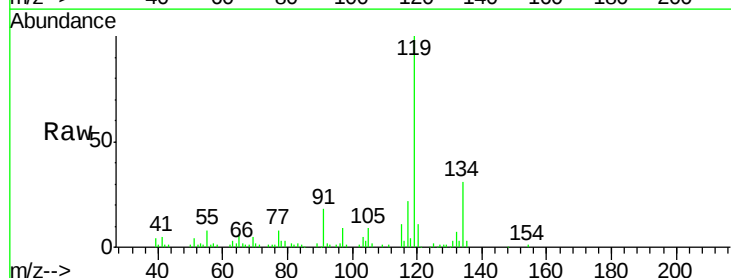
Tgt Ion: 117 Resp: 16823

Ion Ratio Lower Upper

117 100

119 457.2 79.6 119.4#

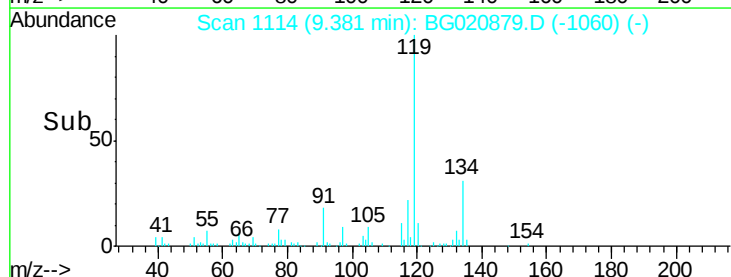
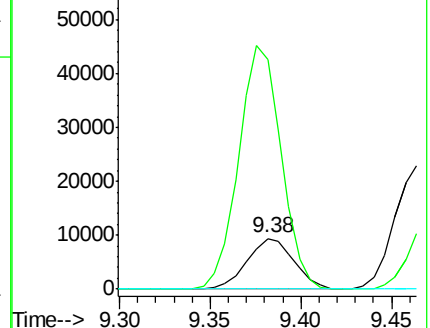
201 0.0 74.5 111.7#

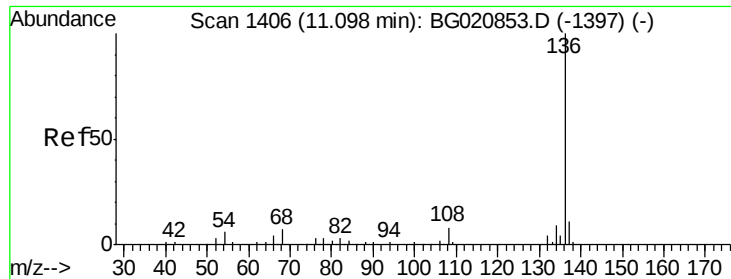


Abundance Ion 117.00 (116.70 to 117.70): BG020853.D (-1104) (-)

Ion 119.00 (118.70 to 119.70): BG020853.D (-1104) (-)

Ion 201.00 (200.70 to 201.70): BG020853.D (-1104) (-)





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.10 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BG020879.D

Acq: 12 Feb 2016 5:54

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 100048

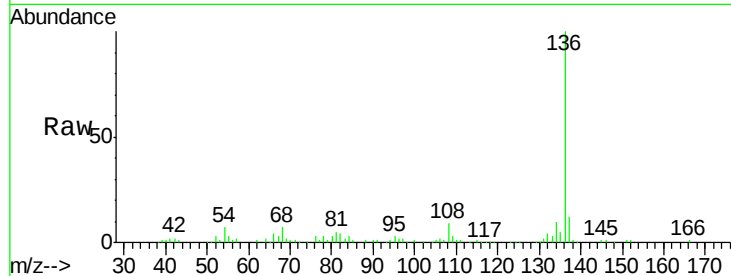
Ion Ratio Lower Upper

136 100

137 11.8 8.8 13.2

54 6.9 5.0 7.4

68 7.1 5.2 7.8

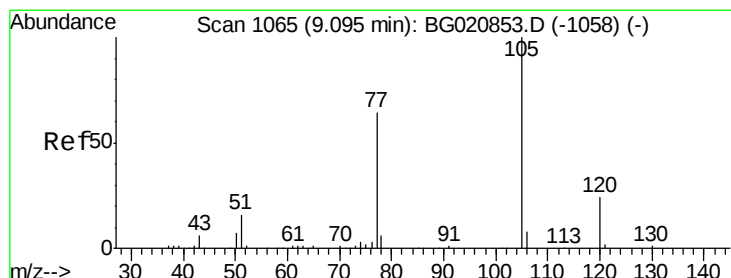
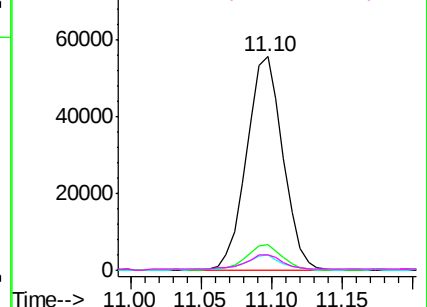
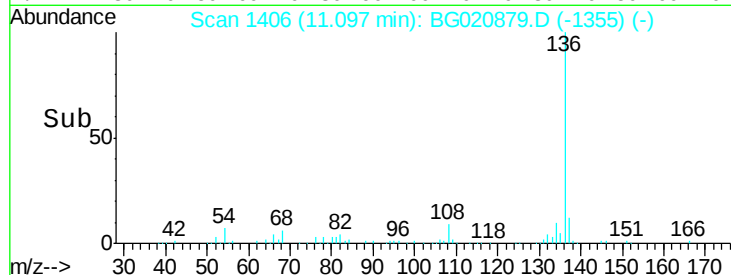


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 4.56 ng

RT: 8.96 min Scan# 1042

Delta R.T. -0.14 min

Lab File: BG020879.D

Acq: 12 Feb 2016 5:54

Tgt Ion:105 Resp: 11000

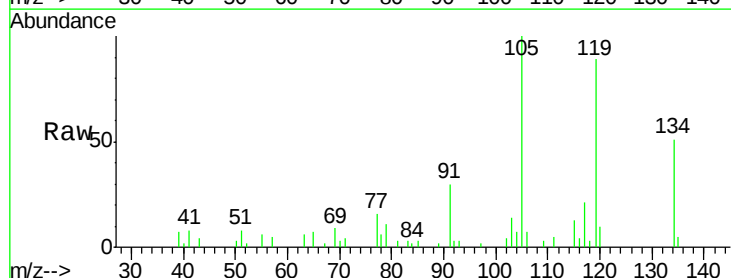
Ion Ratio Lower Upper

105 100

71 3.8 1.4 2.0#

51 8.1 13.7 20.5#

120 10.1 19.0 28.6#

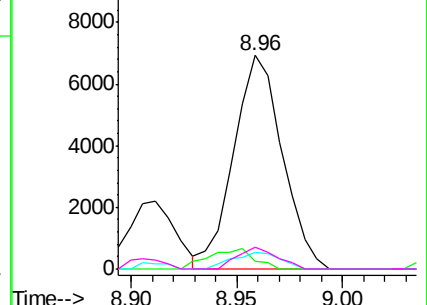
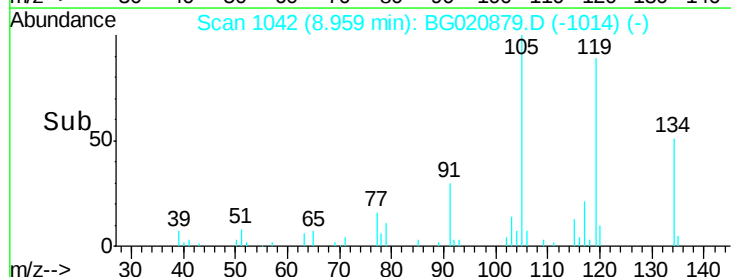


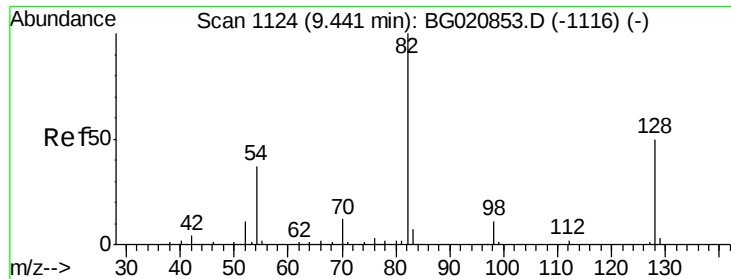
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

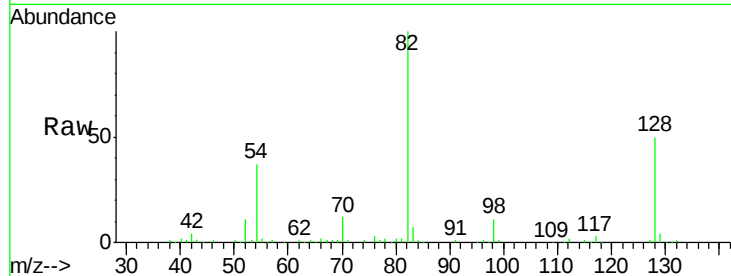




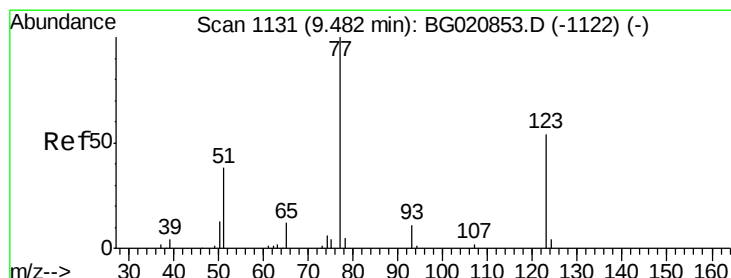
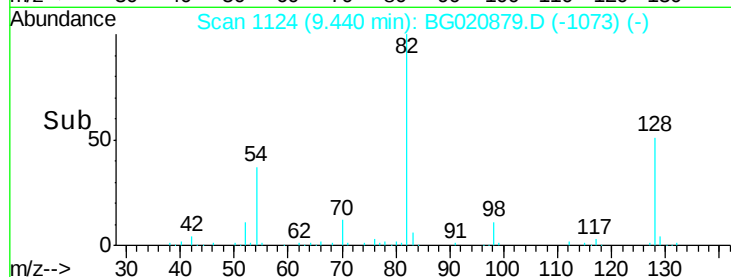
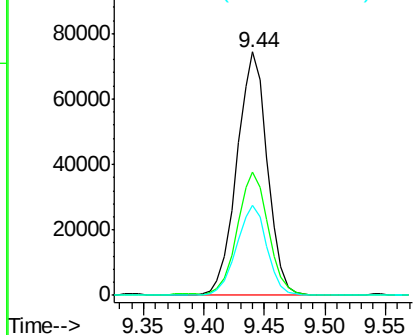
#23
Nitrobenzene-d5
Concen: 85.37 ng
RT: 9.44 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BG020879.D
Acq: 12 Feb 2016 5:54

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	129895
Ion Ratio	Lower	Upper	
82	100		
128	50.5	40.1	60.1
54	37.0	29.5	44.3

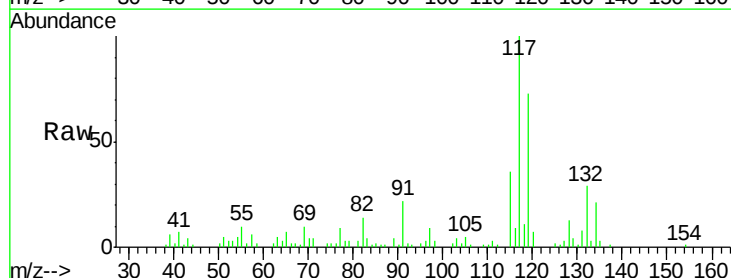


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

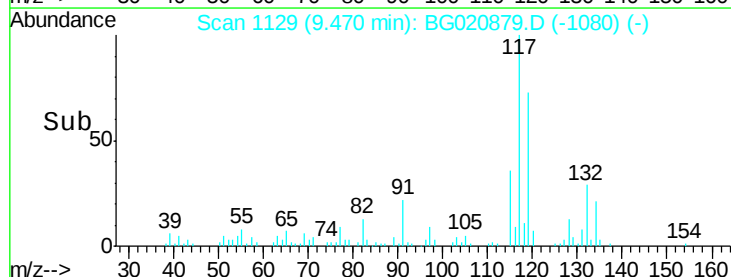
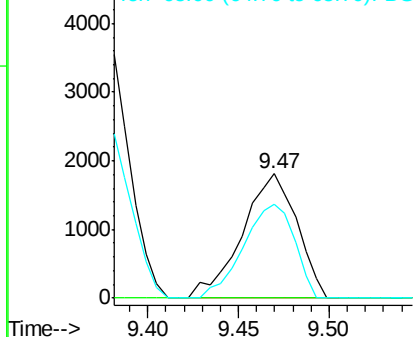


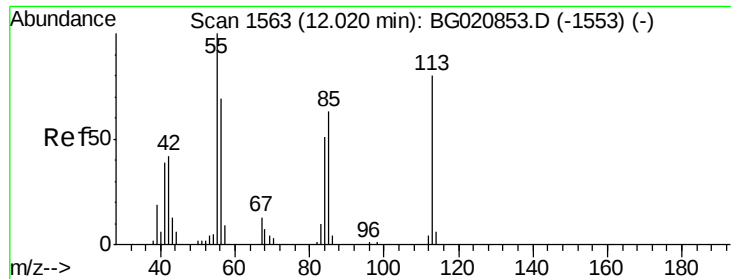
#24
Nitrobenzene
Concen: 2.39 ng
RT: 9.47 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BG020879.D
Acq: 12 Feb 2016 5:54

Tgt Ion	77	Resp	3795
Ion Ratio	Lower	Upper	
77	100		
123	0.0	43.2	64.8#
65	76.1	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





#35

Caprolactam

Concen: 10.62 ng

RT: 12.09 min Scan# 1575

Delta R.T. 0.07 min

Lab File: BG020879.D

Acq: 12 Feb 2016 5:54

Instrument :

BNA_G

ClientSampleId :

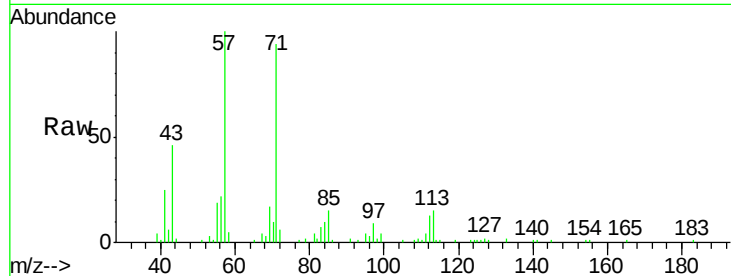
Tot Ion:113 Resp: 5832

Ion Ratio Lower Upper

113 100

55 128.3 104.4 144.4

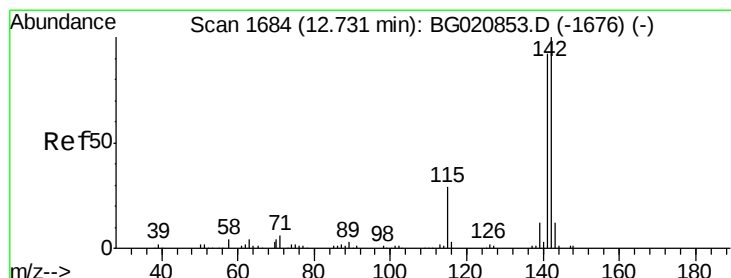
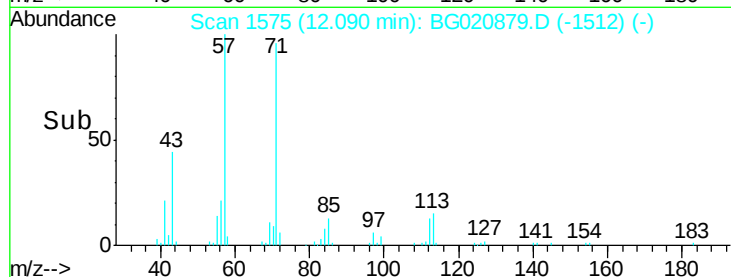
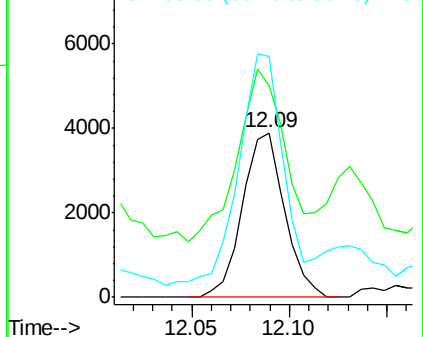
56 146.3 65.4 105.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#37

2-Methylnaphthalene

Concen: 26.14 ng

RT: 12.95 min Scan# 1721

Delta R.T. 0.22 min

Lab File: BG020879.D

Acq: 12 Feb 2016 5:54

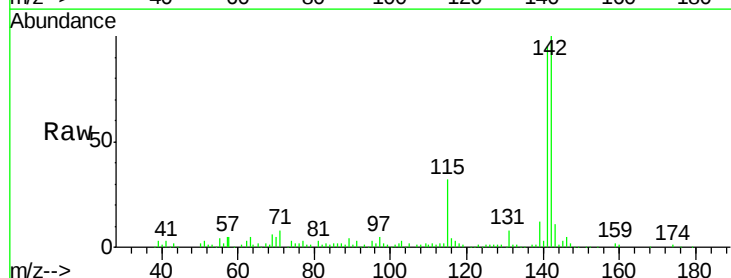
Tgt Ion:142 Resp: 94932

Ion Ratio Lower Upper

142 100

141 94.7 73.4 110.2

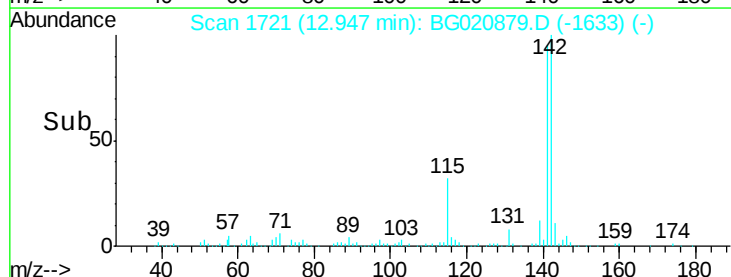
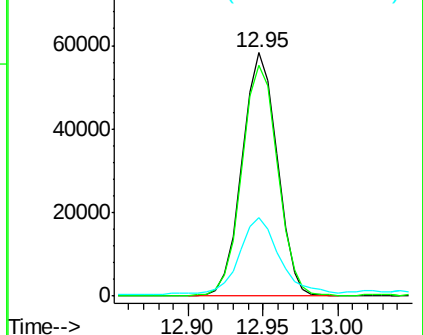
115 32.1 23.0 34.6

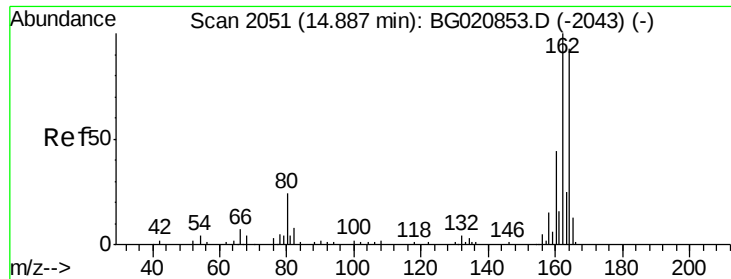


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

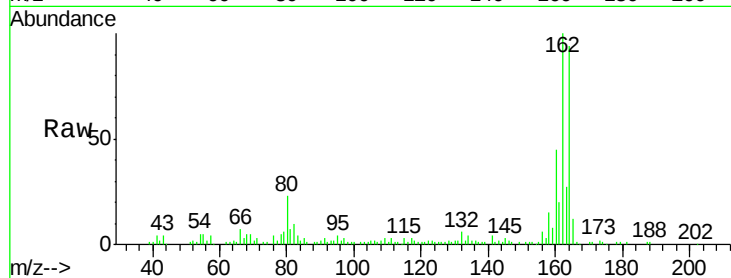




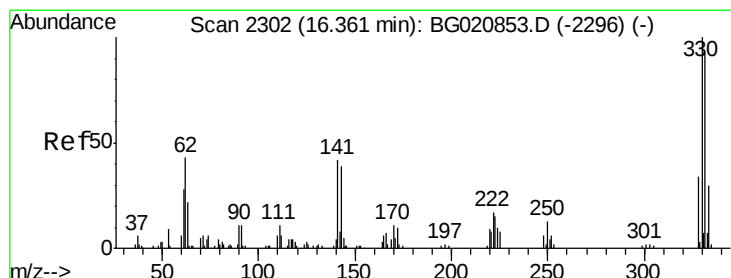
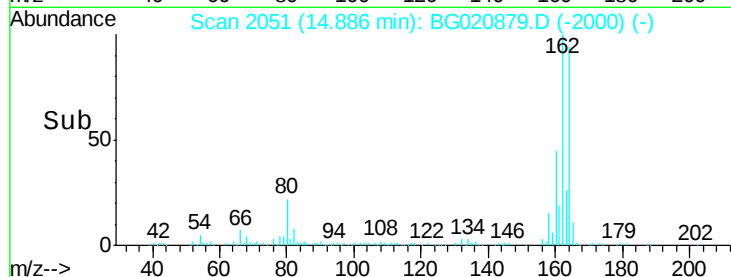
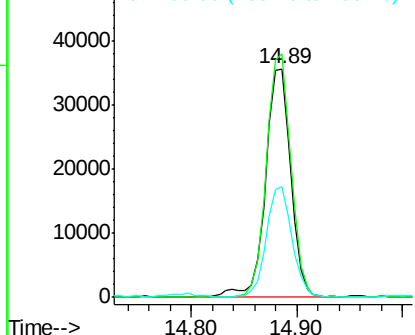
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.89 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BG020879.D
 Acq: 12 Feb 2016 5:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 59208
 Ion Ratio Lower Upper
 164 100
 162 106.6 85.7 128.5
 160 48.3 37.4 56.0

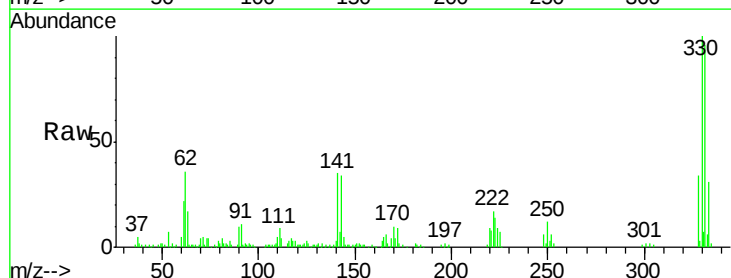


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

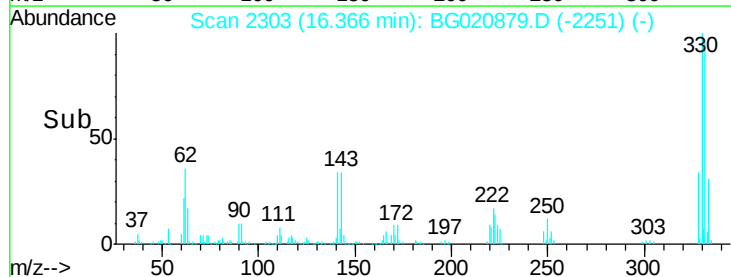
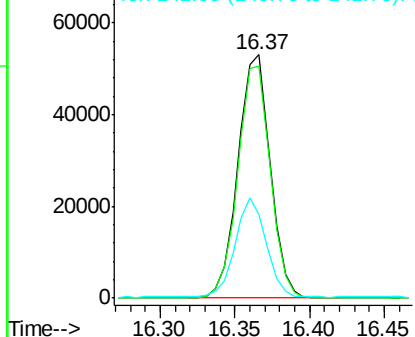


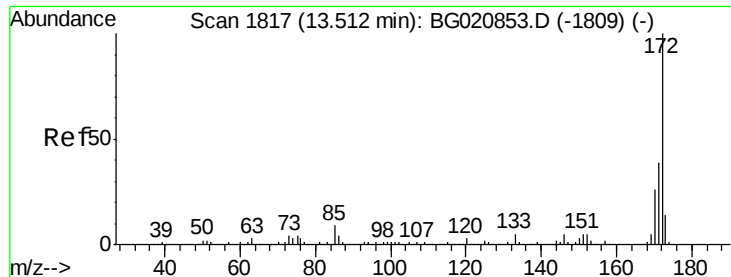
#41
 2,4,6-Tribromophenol
 Concen: 136.75 ng
 RT: 16.37 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: BG020879.D
 Acq: 12 Feb 2016 5:54

Tgt Ion:330 Resp: 79621
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.1 114.1
 141 38.9 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

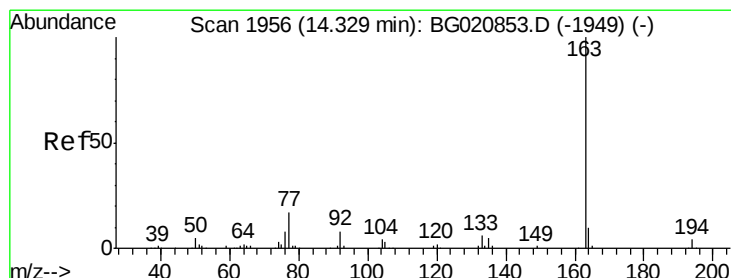
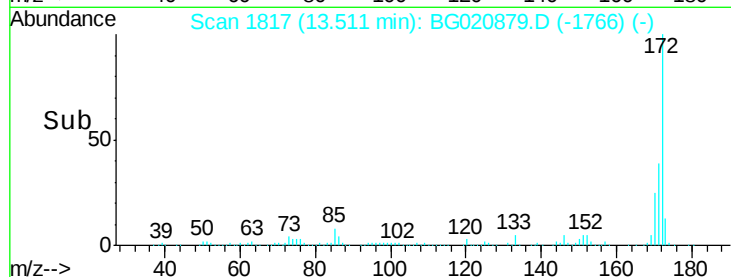
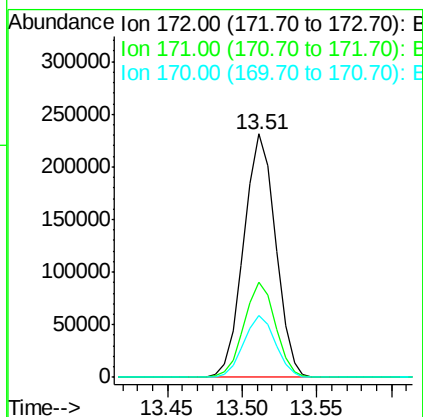
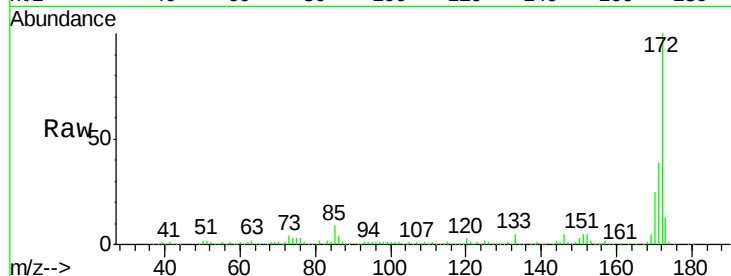




#44
2-Fluorobiphenyl
Concen: 81.00 ng
RT: 13.51 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BG020879.D
Acq: 12 Feb 2016 5:54

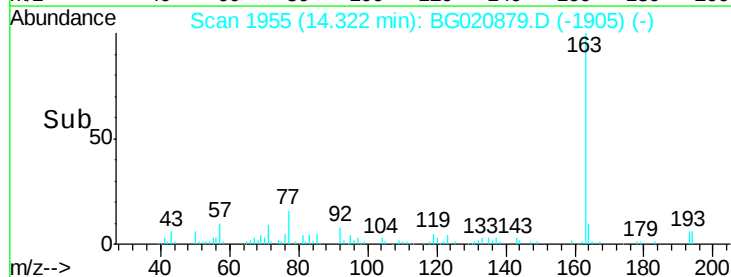
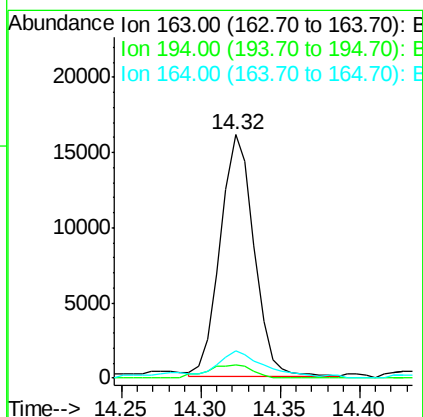
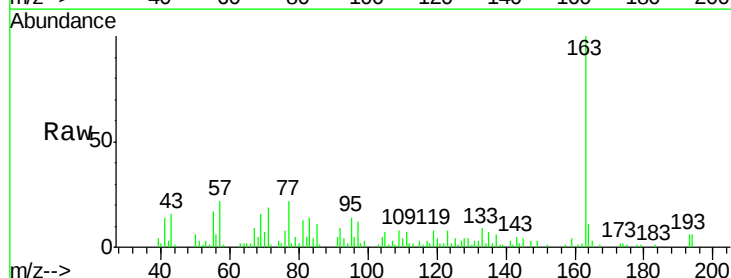
Instrument :
BNA_G
ClientSampleId :

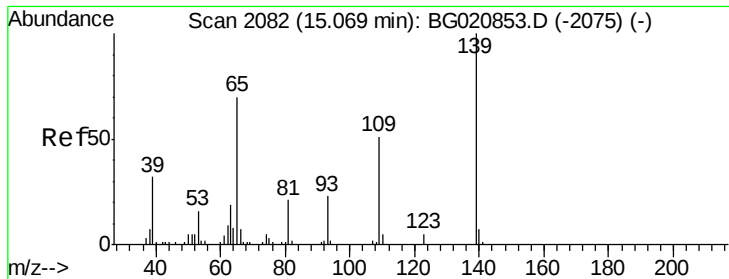
Tot Ion:172 Resp: 341424
Ion Ratio Lower Upper
172 100
171 39.3 31.2 46.8
170 25.4 20.6 30.8



#49
Dimethylphthalate
Concen: 5.09 ng
RT: 14.32 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BG020879.D
Acq: 12 Feb 2016 5:54

Tgt Ion:163 Resp: 23563
Ion Ratio Lower Upper
163 100
194 5.5 3.1 4.7#
164 11.2 8.3 12.5





#55

4-Nitrophenol

Concen: 2.28 ng

RT: 15.07 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BG020879.D

Acq: 12 Feb 2016 5:54

Instrument :

BNA_G

ClientSampleId :

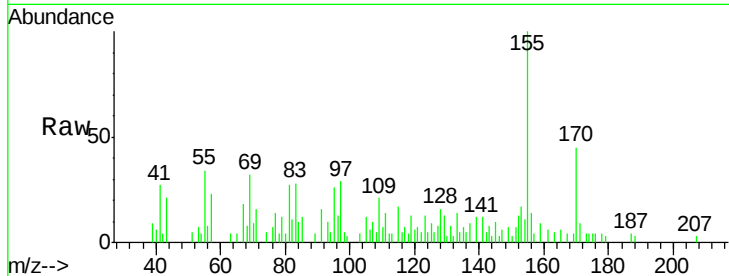
Tot Ion:139 Resp: 1989

Ion Ratio Lower Upper

139 100

109 181.8 31.0 71.0#

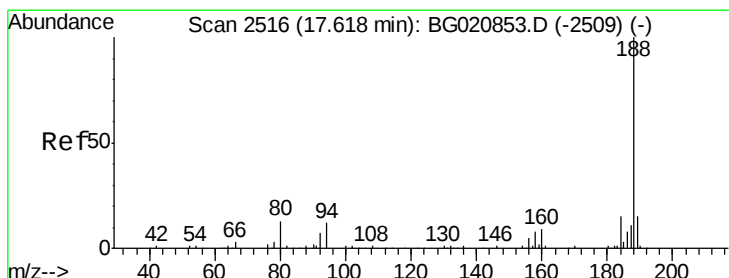
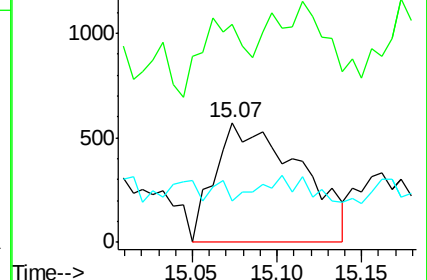
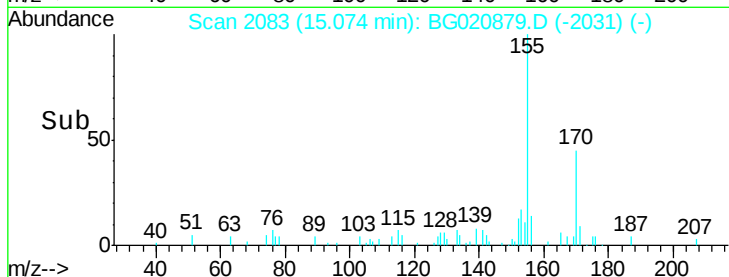
65 34.7 49.6 89.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.62 min Scan# 2516

Delta R.T. -0.00 min

Lab File: BG020879.D

Acq: 12 Feb 2016 5:54

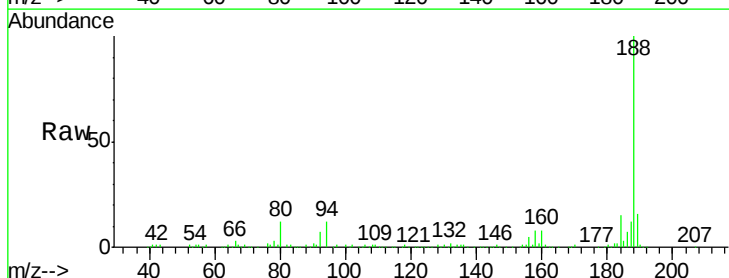
Tgt Ion:188 Resp: 113914

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.0

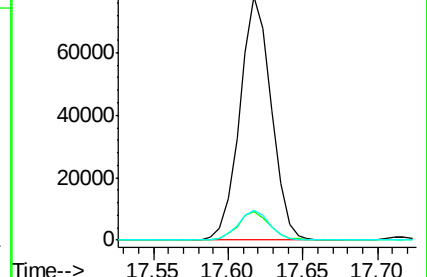
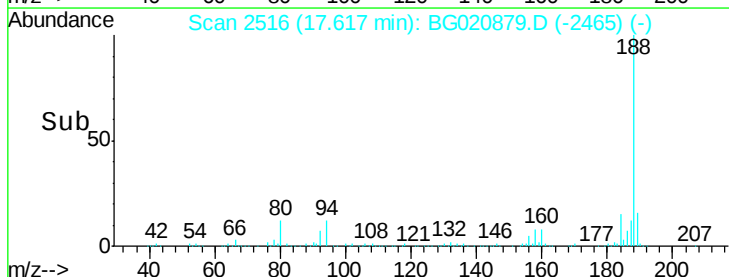
80 12.1 10.2 15.4

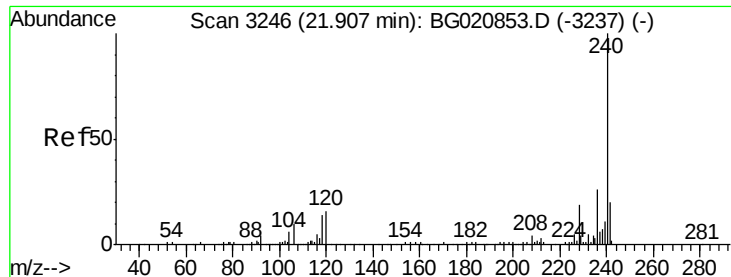


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

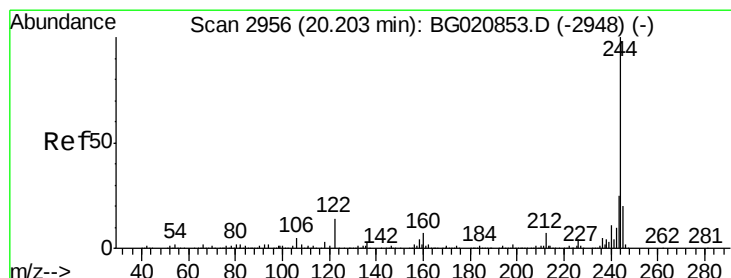
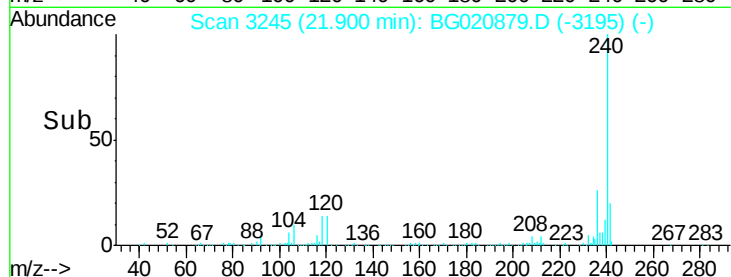
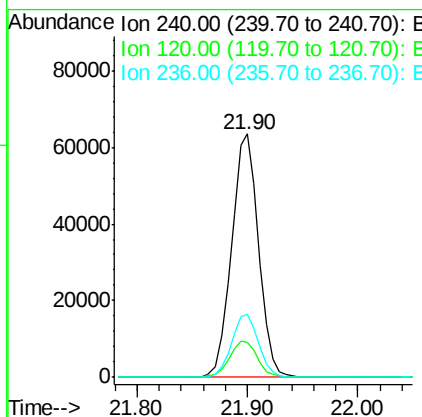
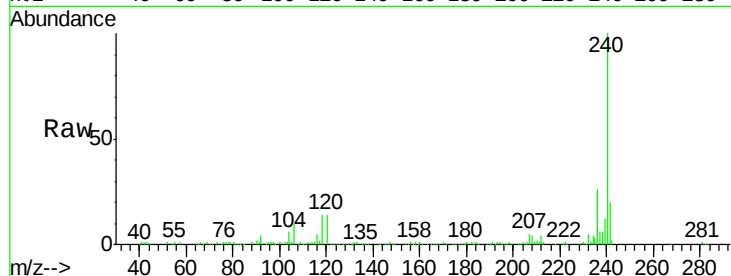




#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 21.90 min Scan# 3245
 Delta R.T. -0.01 min
 Lab File: BG020879.D
 Acq: 12 Feb 2016 5:54

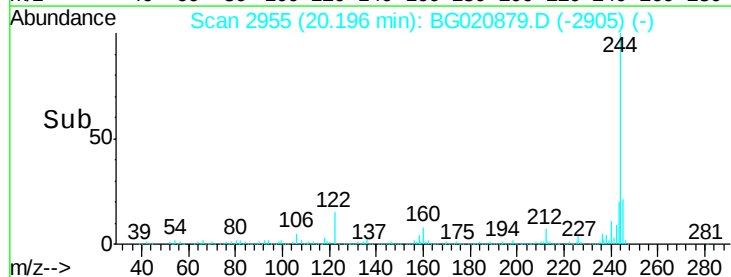
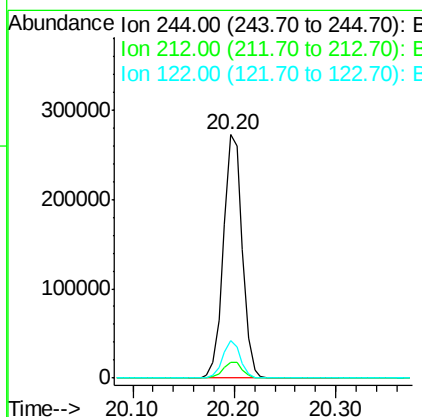
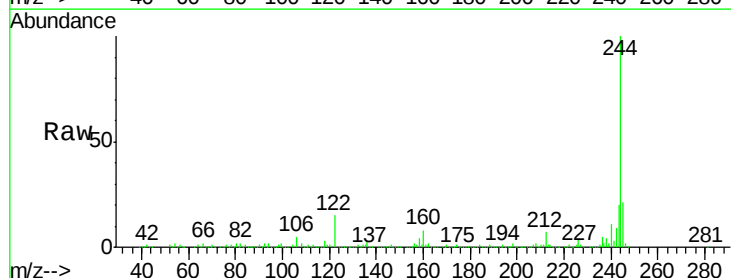
Instrument :
 BNA_G
 ClientSampleId :

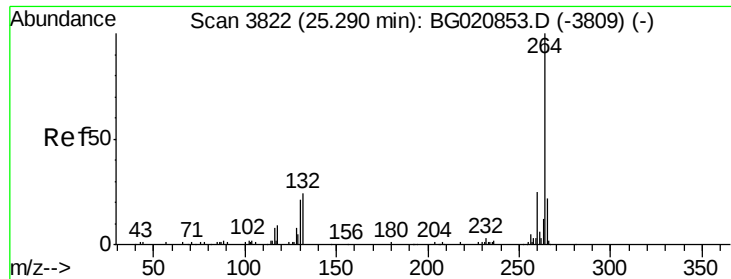
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	13.0	19.4
236	26.1	21.0	31.4



#78
 Terphenyl-d14
 Concen: 75.41 ng
 RT: 20.20 min Scan# 2955
 Delta R.T. -0.01 min
 Lab File: BG020879.D
 Acq: 12 Feb 2016 5:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	15.4	11.4	17.2

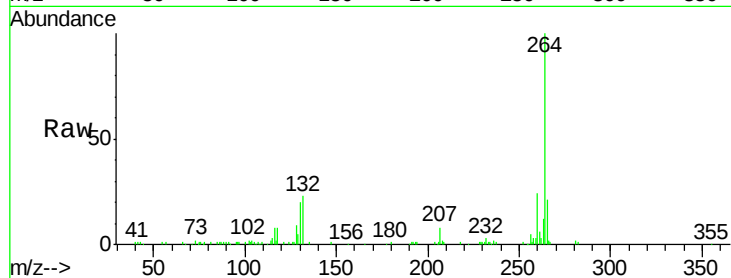




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.28 min Scan# 3820
Delta R.T. -0.01 min
Lab File: BG020879.D
Acq: 12 Feb 2016 5:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.9	29.9
265	20.6	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

