

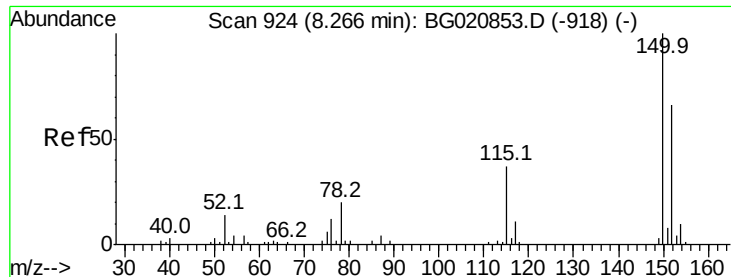
Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG020978.D
 Acq On : 19 Feb 2016 18:56
 Operator : SJ/UM
 Sample : H1509-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

Quant Time: Feb 19 21:49:54 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	8.26	152	23220	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	118034	20.00	ng	-0.01
38) Acenaphthene-d10	14.87	164	73940	20.00	ng	-0.01
63) Phenanthrene-d10	17.61	188	127011	20.00	ng	0.00
75) Chrysene-d12	21.88	240	122921	20.00	ng	-0.02
86) Perylene-d12	25.25	264	119336	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	93328	67.69	ng	0.00
7) Phenol-d6	7.40	99	82489	40.93	ng	0.00
23) Nitrobenzene-d5	9.43	82	189960	105.82	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	110450	151.90	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	508877	96.68	ng	-0.01
78) Terphenyl-d14	20.19	244	444205	84.30	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.87	42	1024	2.64	ng	# 1
18) Hexachloroethane	9.38	117	36688	57.79	ng	# 1
24) Nitrobenzene	9.45	77	7730	4.13	ng	# 1
35) Caprolactam	11.96	113	1329	2.05	ng	# 1
37) 2-Methylnaphthalene	12.94	142	315953	73.75	ng	96
49) Dimethylphthalate	14.32	163	19236	3.33	ng	# 93
53) 2,4-Dinitrophenol	15.06	184	127	8.64	ng	# 1
54) Dibenzofuran	15.27	168	17852	2.74	ng	# 77
57) Fluorene	15.91	166	16603	2.77	ng	# 95
64) 4,6-Dinitro-2-methylphenol	15.97	198	59	5.59	ng	# 1

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

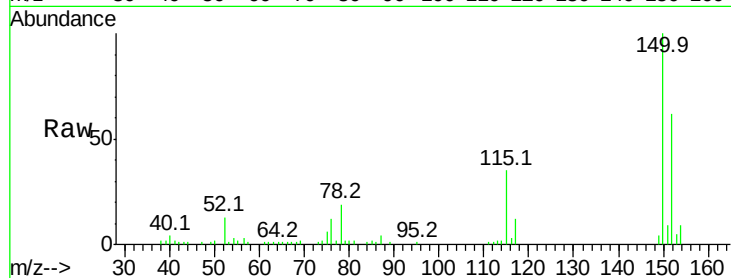


#1

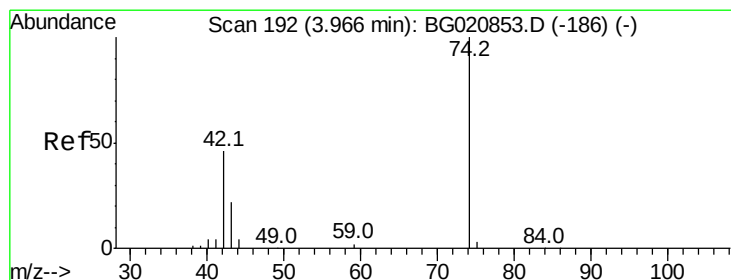
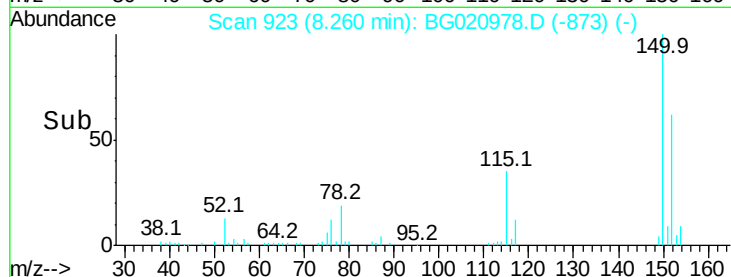
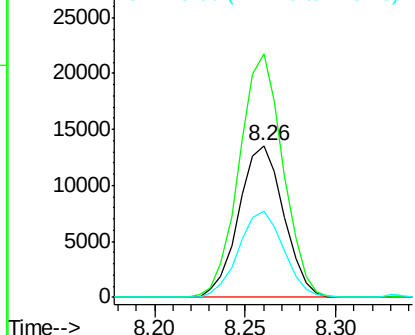
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.26 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG020978.D
Acq: 19 Feb 2016 18:56

Instrument :
BNA_G
ClientSampleId :
MW-2

Tot Ion:152 Resp: 23220
Ion Ratio Lower Upper
152 100
150 160.1 122.0 183.0
115 56.4 45.2 67.8



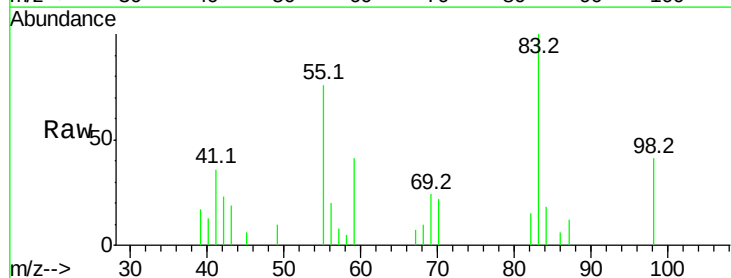
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



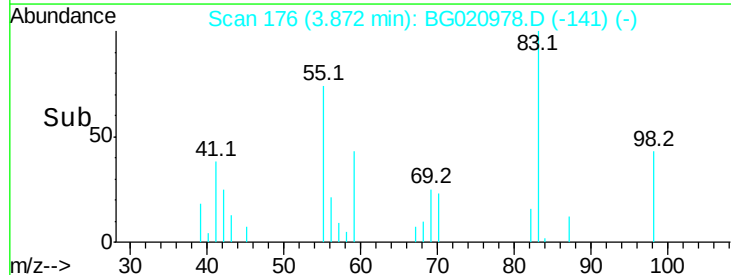
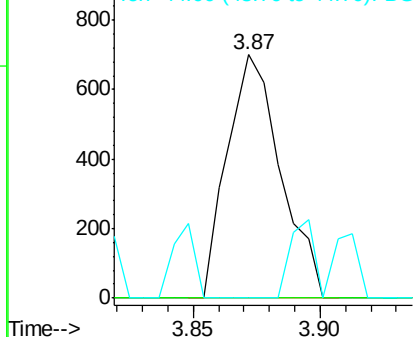
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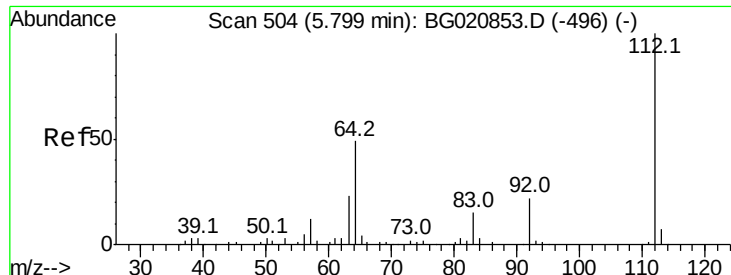
n-Nitrosodimethylamine
Concen: 2.64 ng
RT: 3.87 min Scan# 176
Delta R.T. -0.09 min
Lab File: BG020978.D
Acq: 19 Feb 2016 18:56

Tgt Ion: 42 Resp: 1024
Ion Ratio Lower Upper
42 100
74 0.0 173.8 260.6#
44 0.0 6.3 9.5#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 67.69 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.01 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

Instrument :

BNA_G

ClientSampleId :

MW-2

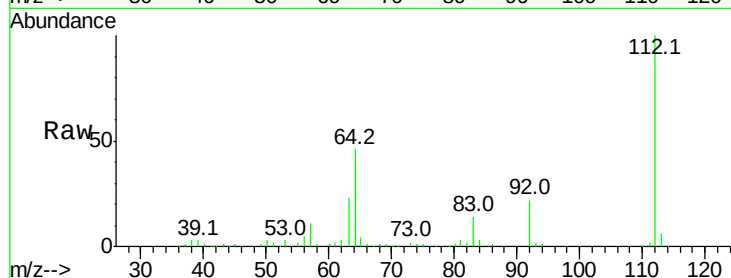
Tot Ion:112 Resp: 93328

Ion Ratio Lower Upper

112 100

64 45.7 39.3 58.9

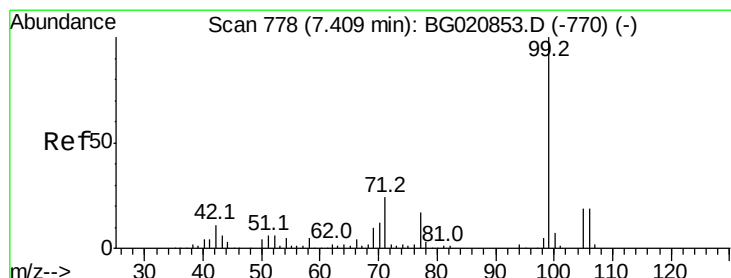
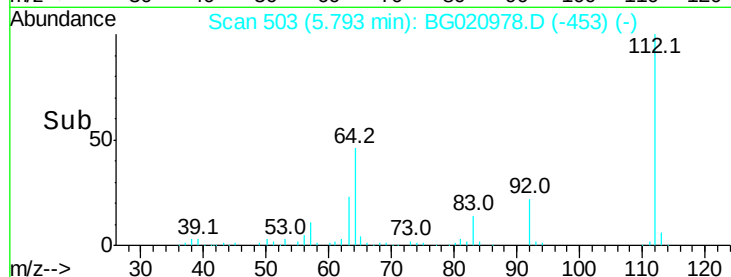
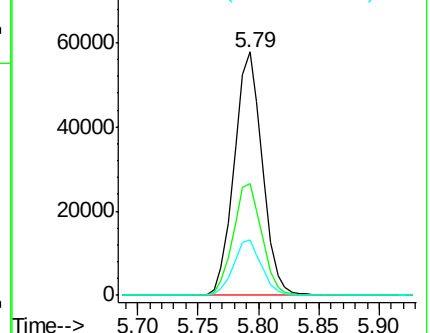
63 22.7 18.2 27.4



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 40.93 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.01 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

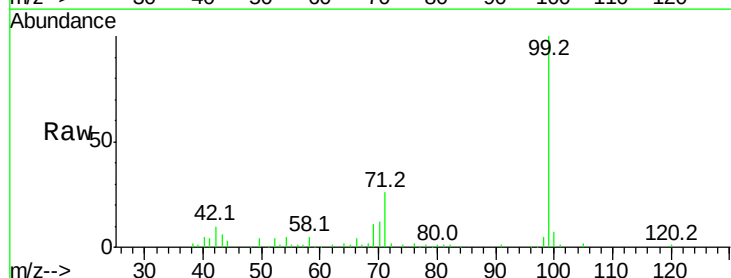
Tgt Ion: 99 Resp: 82489

Ion Ratio Lower Upper

99 100

42 10.0 8.4 12.6

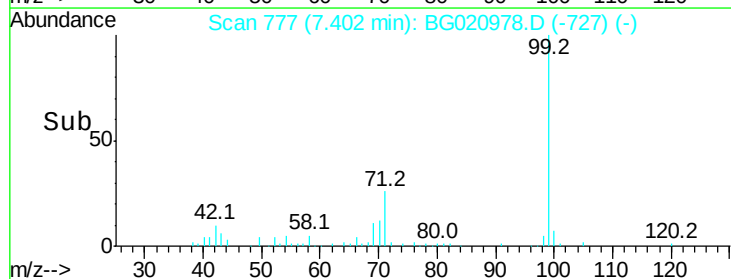
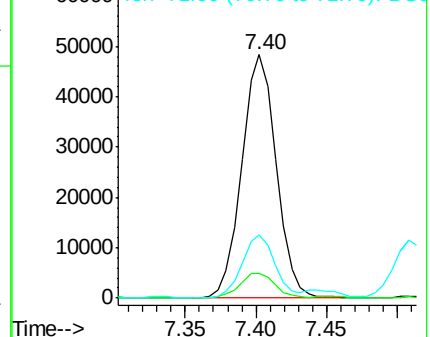
71 25.7 19.4 29.0

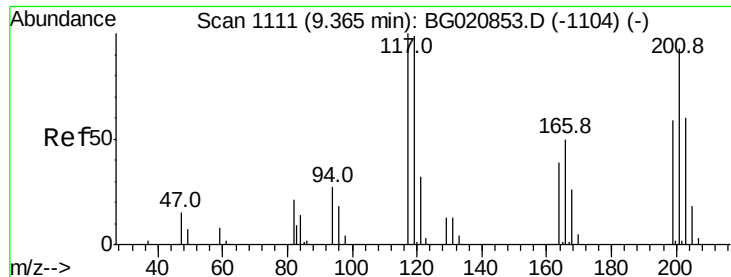


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#18

Hexachloroethane

Concen: 57.79 ng

RT: 9.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

Instrument :

BNA_G

ClientSampleId :

MW-2

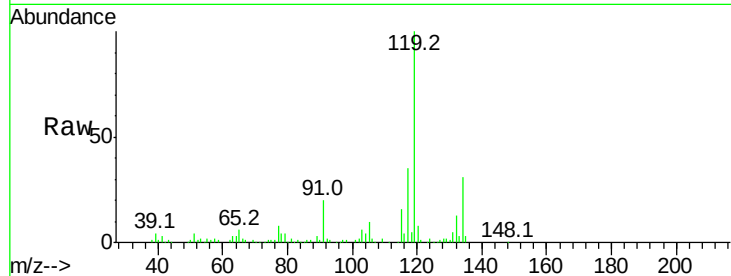
Tot Ion:117 Resp: 36688

Ion Ratio Lower Upper

117 100

119 283.0 79.6 119.4#

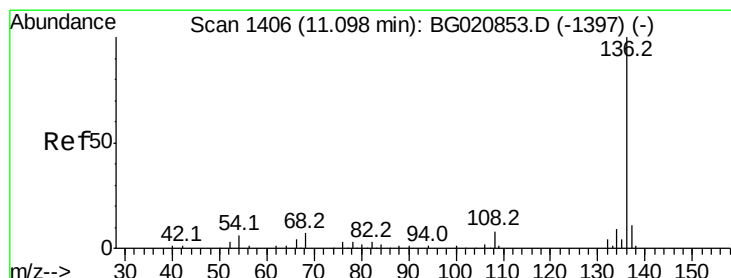
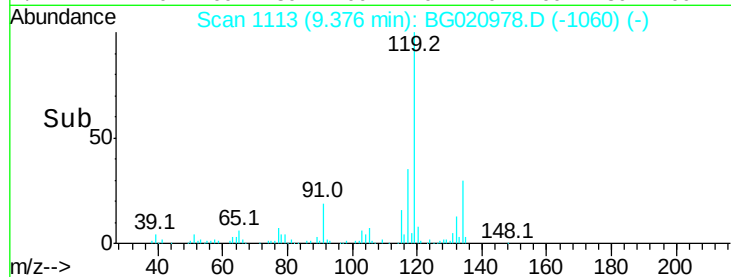
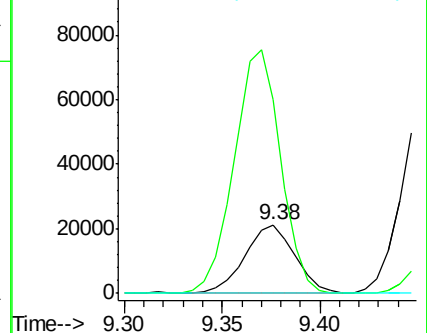
201 0.0 74.5 111.7#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.09 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

Tgt Ion:136 Resp: 118034

Ion Ratio Lower Upper

136 100

137 11.8 8.8 13.2

54 7.1 5.0 7.4

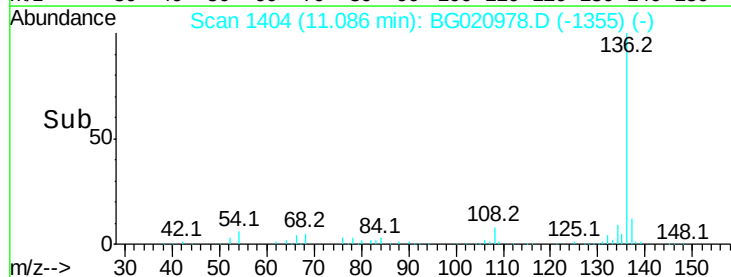
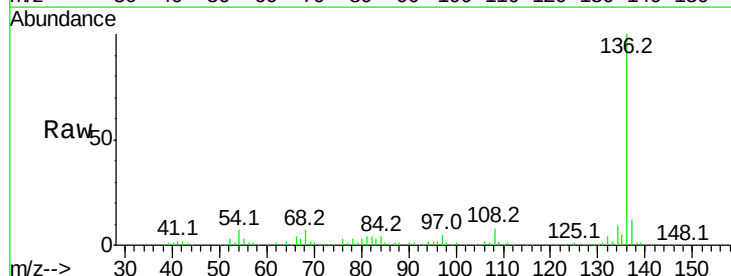
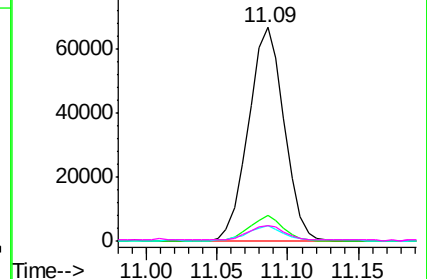
68 6.9 5.2 7.8

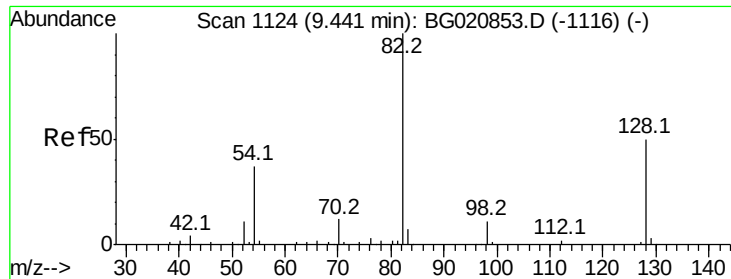
Abundance Ion 136.00 (135.70 to 136.70): E

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

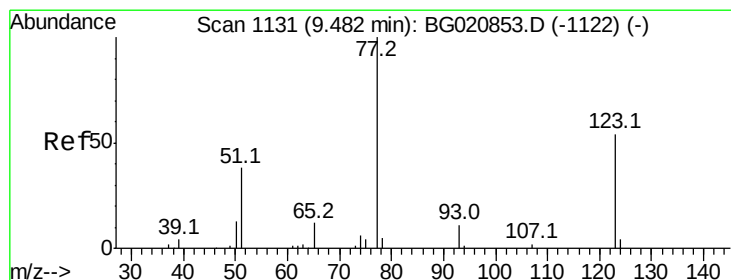
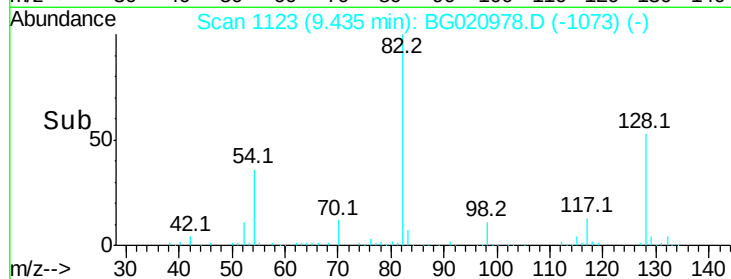
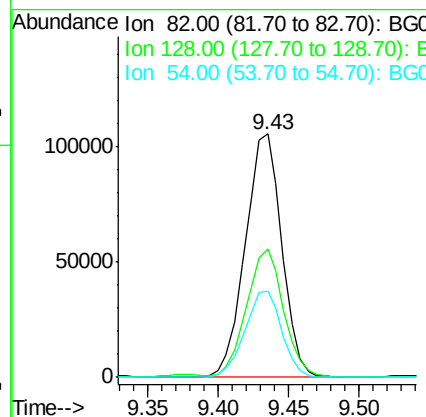
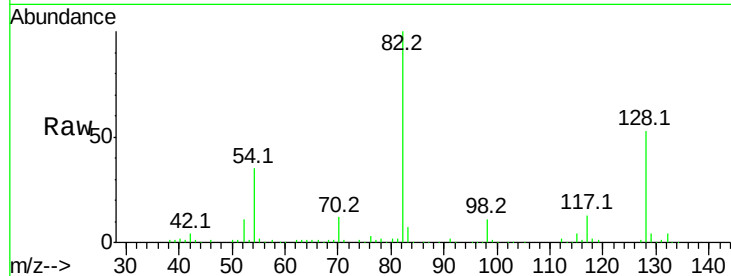




#23
 Nitrobenzene-d5
 Concen: 105.82 ng
 RT: 9.43 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: BG020978.D
 Acq: 19 Feb 2016 18:56

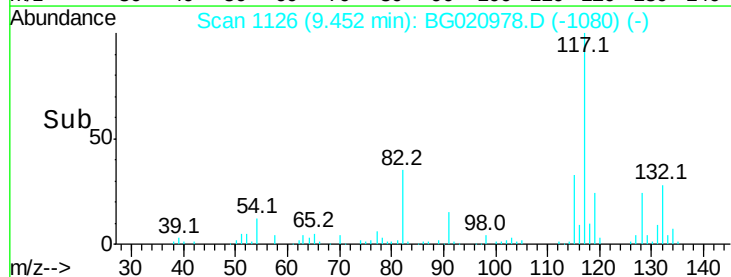
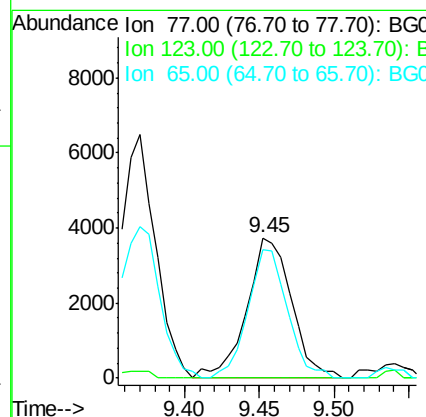
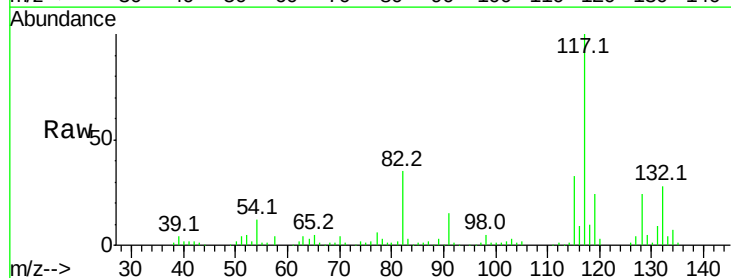
Instrument :
 BNA_G
 ClientSampleId :
 MW-2

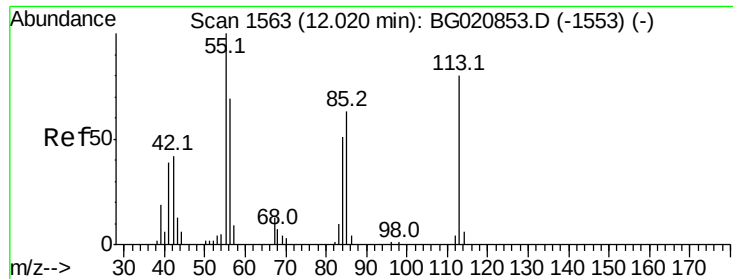
Tot Ion:	82	Resp:	189960
Ion Ratio	Lower	Upper	
82	100		
128	52.6	40.1	60.1
54	35.5	29.5	44.3



#24
 Nitrobenzene
 Concen: 4.13 ng
 RT: 9.45 min Scan# 1126
 Delta R.T. -0.03 min
 Lab File: BG020978.D
 Acq: 19 Feb 2016 18:56

Tgt Ion:	77	Resp:	7730
Ion Ratio	Lower	Upper	
77	100		
123	0.0	43.2	64.8#
65	92.0	9.2	13.8#

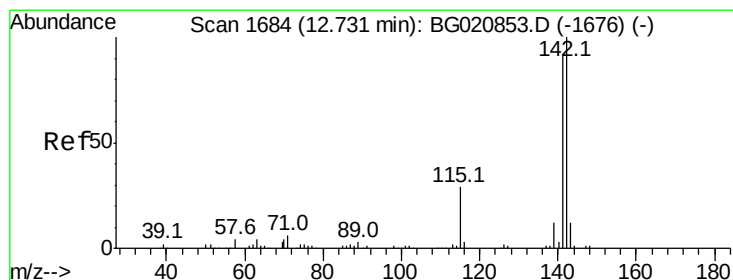
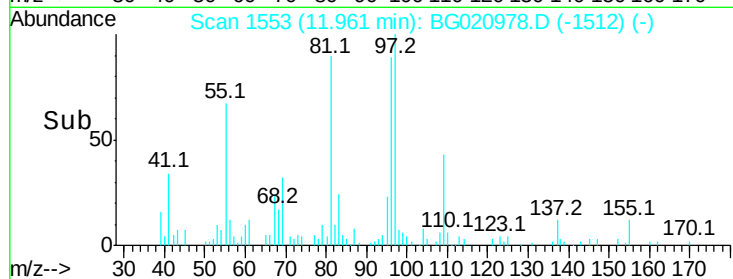
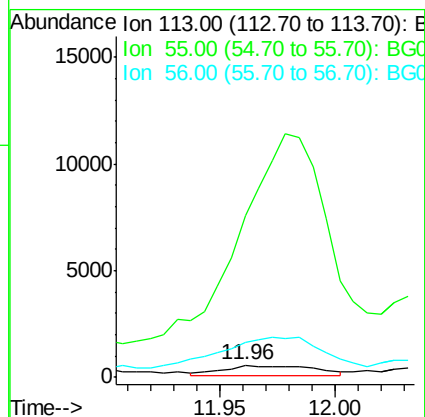
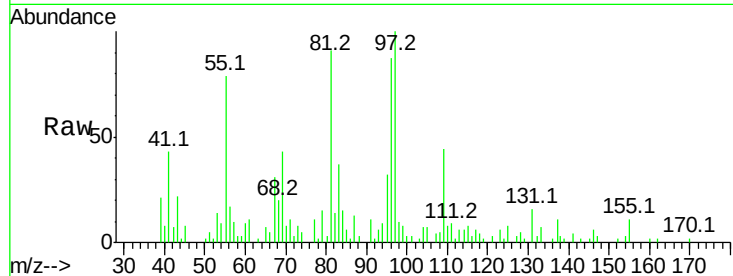




#35
 Caprolactam
 Concen: 2.05 ng
 RT: 11.96 min Scan# 1553
 Delta R.T. -0.06 min
 Lab File: BG020978.D
 Acq: 19 Feb 2016 18:56

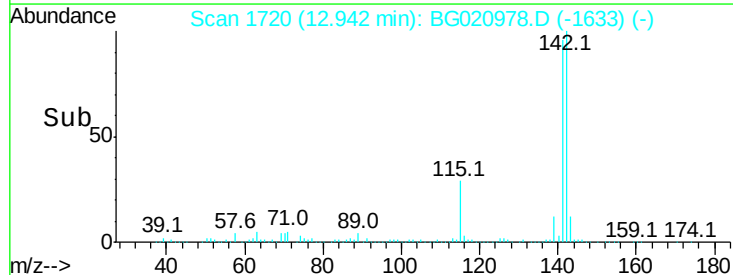
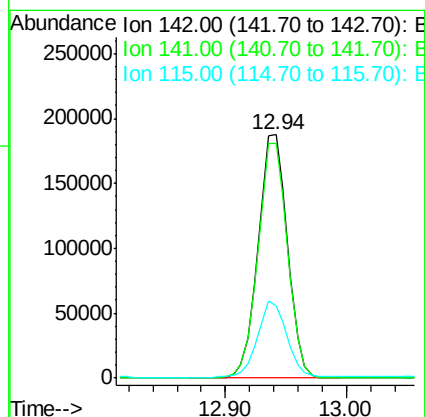
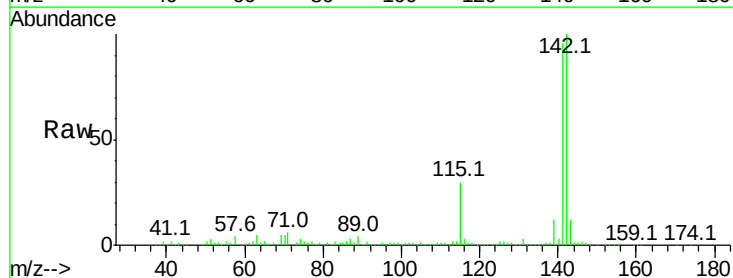
Instrument :
 BNA_G
 ClientSampleId :
 MW-2

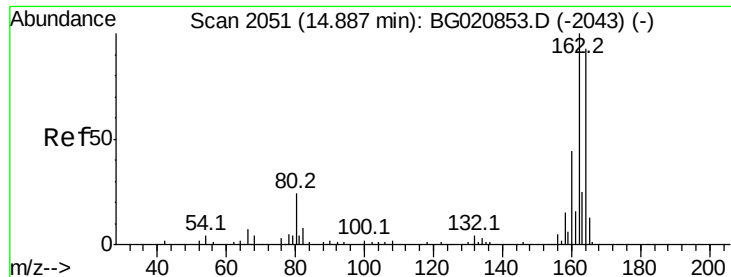
Tot Ion:113 Resp: 1329
 Ion Ratio Lower Upper
 113 100
 55 1316.2 104.4 144.4#
 56 280.5 65.4 105.4#



#37
 2-Methylnaphthalene
 Concen: 73.75 ng
 RT: 12.94 min Scan# 1720
 Delta R.T. 0.21 min
 Lab File: BG020978.D
 Acq: 19 Feb 2016 18:56

Tgt Ion:142 Resp: 315953
 Ion Ratio Lower Upper
 142 100
 141 96.4 73.4 110.2
 115 29.8 23.0 34.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.87 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

Instrument :

BNA_G

ClientSampleId :

MW-2

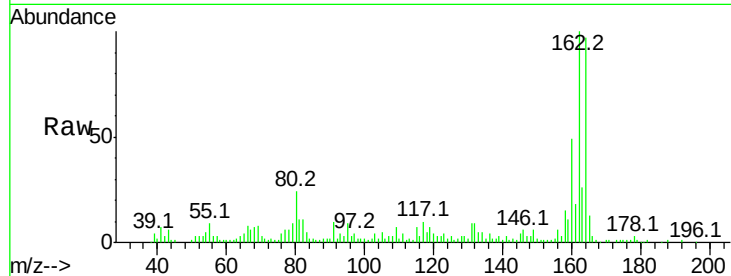
Tot Ion:164 Resp: 73940

Ion Ratio Lower Upper

164 100

162 103.1 85.7 128.5

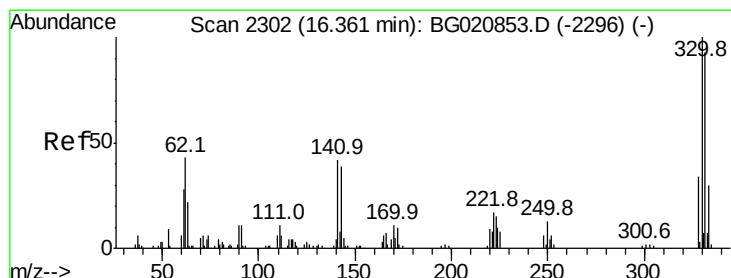
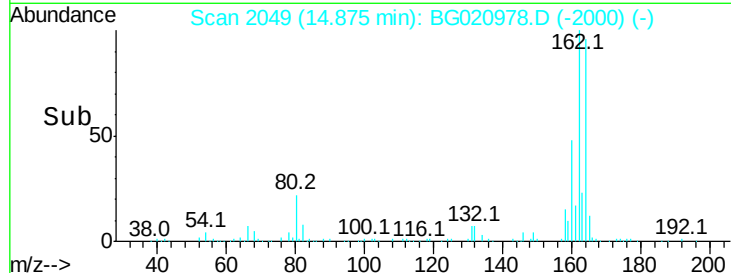
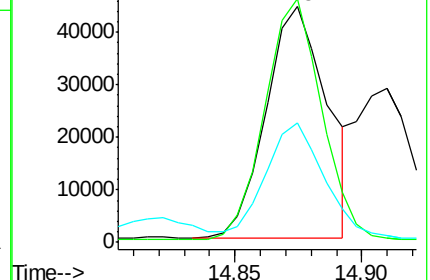
160 50.5 37.4 56.0



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: 151.90 ng

RT: 16.36 min Scan# 2302

Delta R.T. -0.00 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

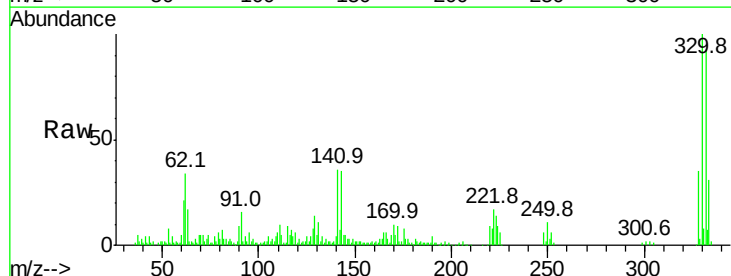
Tgt Ion:330 Resp: 110450

Ion Ratio Lower Upper

330 100

332 94.6 76.1 114.1

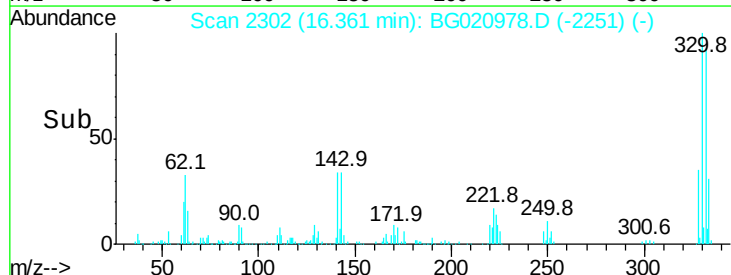
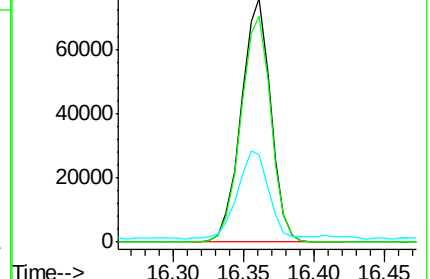
141 38.0 32.0 48.0

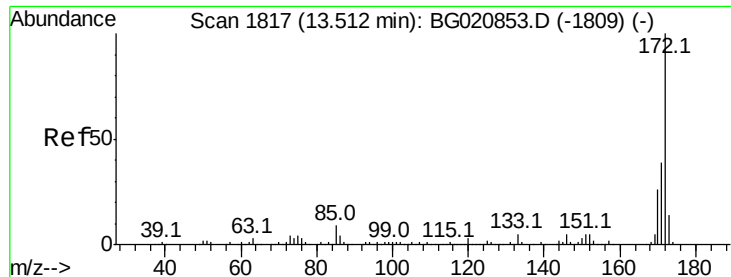


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

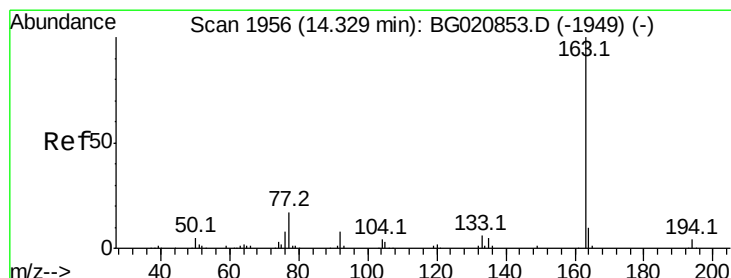
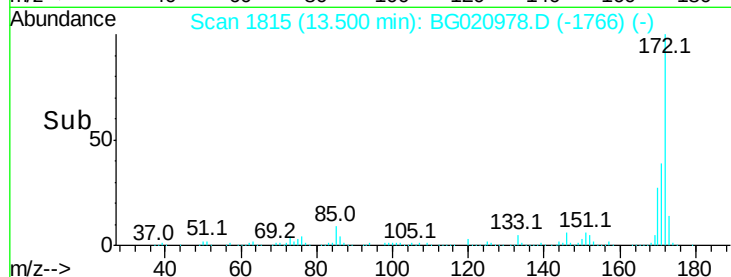
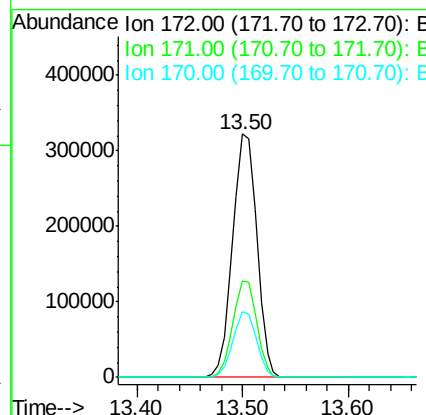
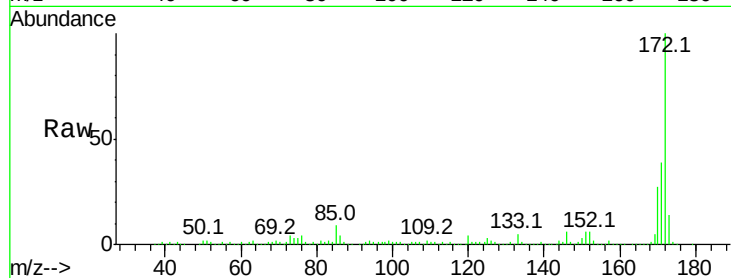




#44
2-Fluorobiphenyl
Concen: 96.68 ng
RT: 13.50 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BG020978.D
Acq: 19 Feb 2016 18:56

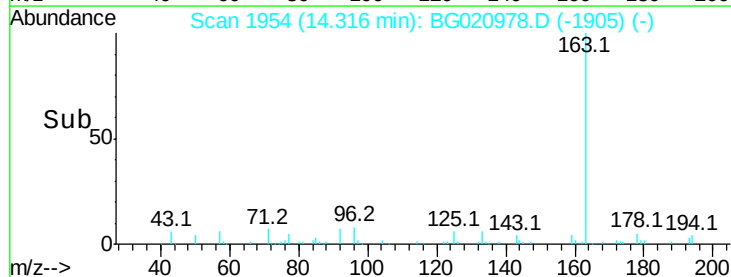
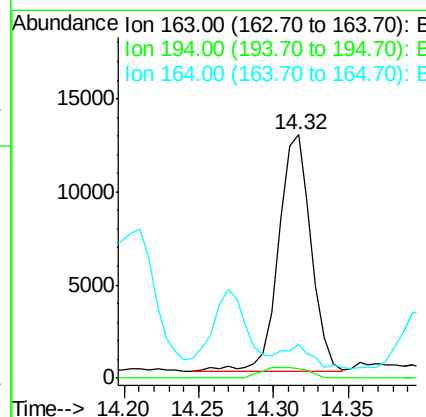
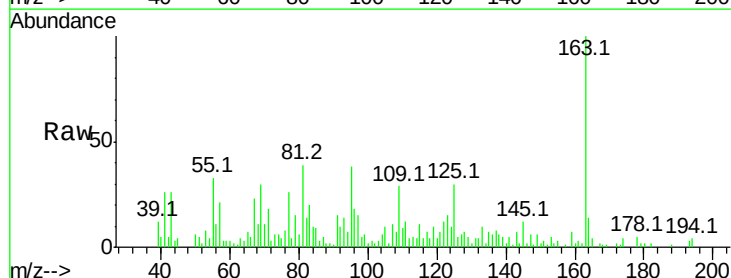
Instrument :
BNA_G
ClientSampleId :
MW-2

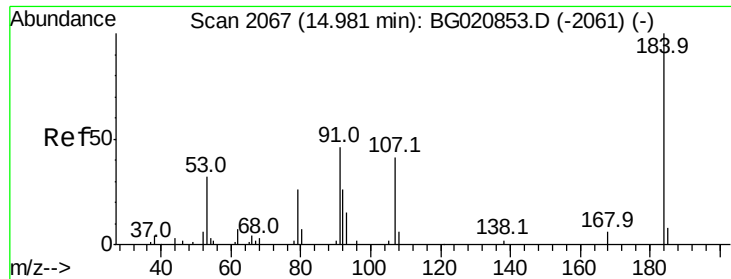
Tot Ion:172 Resp: 508877
Ion Ratio Lower Upper
172 100
171 39.5 31.2 46.8
170 26.7 20.6 30.8



#49
Dimethylphthalate
Concen: 3.33 ng
RT: 14.32 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BG020978.D
Acq: 19 Feb 2016 18:56

Tgt Ion:163 Resp: 19236
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 13.7 8.3 12.5#

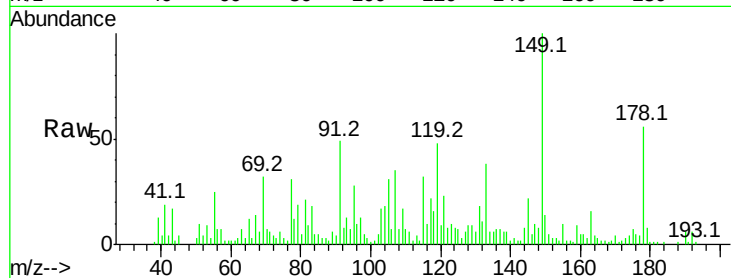




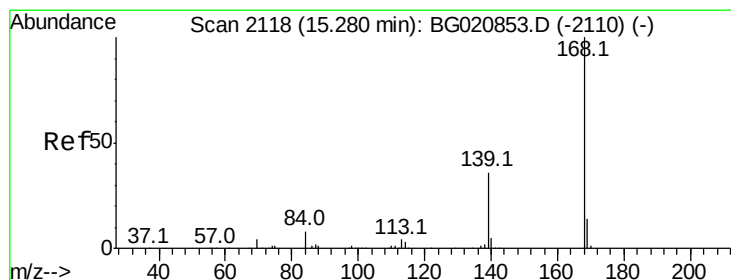
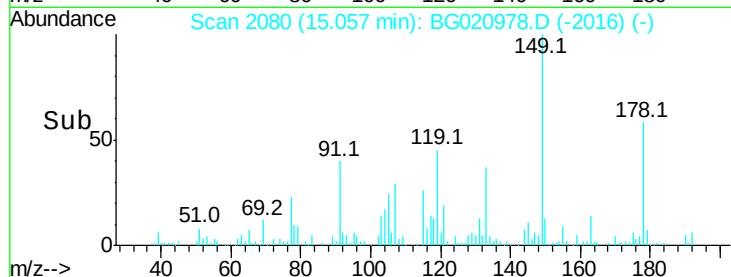
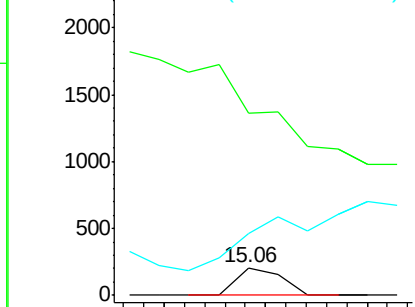
#53
 2,4-Dinitrophenol
 Concen: 8.64 ng
 RT: 15.06 min Scan# 2080
 Delta R.T. 0.08 min
 Lab File: BG020978.D
 Acq: 19 Feb 2016 18:56

Instrument :
 BNA_G
 ClientSampled :
 MW-2

Tot Ion:184 Resp: 127
 Ion Ratio Lower Upper
 184 100
 63 665.9 39.8 59.6#
 154 225.4 48.1 72.1#

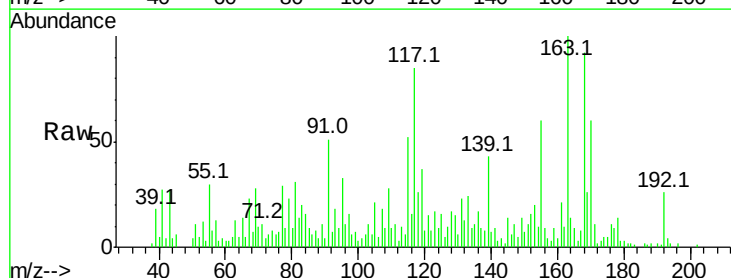


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

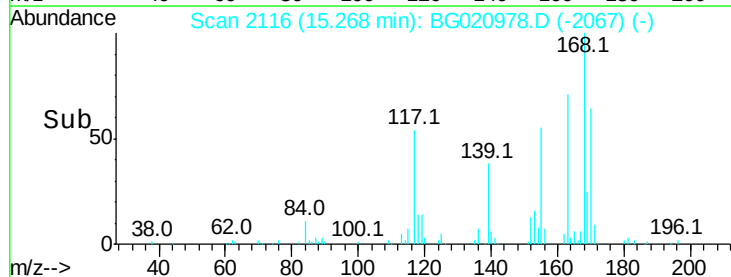
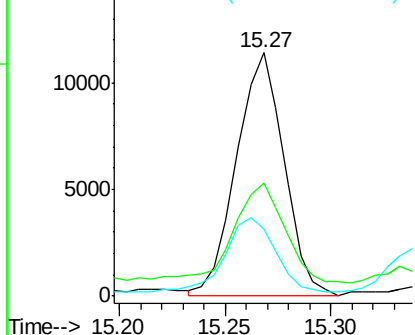


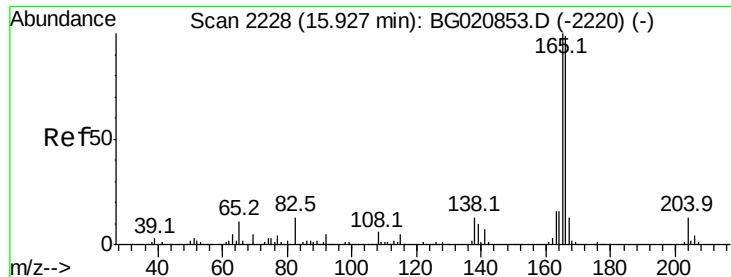
#54
 Dibenzofuran
 Concen: 2.74 ng
 RT: 15.27 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: BG020978.D
 Acq: 19 Feb 2016 18:56

Tgt Ion:168 Resp: 17852
 Ion Ratio Lower Upper
 168 100
 139 46.2 28.5 42.7#
 169 27.7 11.0 16.4#



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 2.77 ng

RT: 15.91 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

Instrument :

BNA_G

ClientSampleId :

MW-2

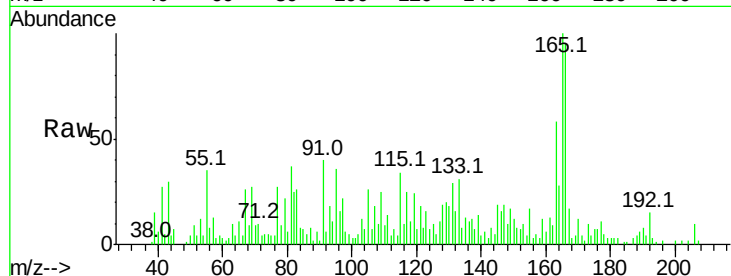
Tot Ion:166 Resp: 16603

Ion Ratio Lower Upper

166 100

165 105.2 81.0 121.4

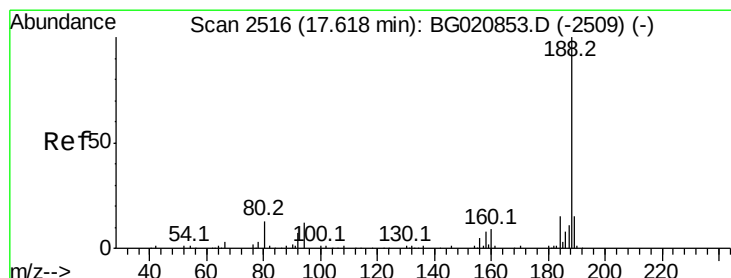
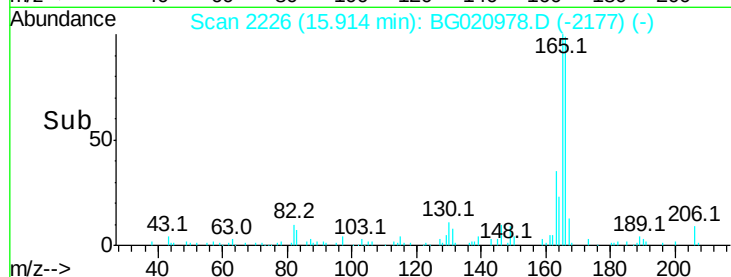
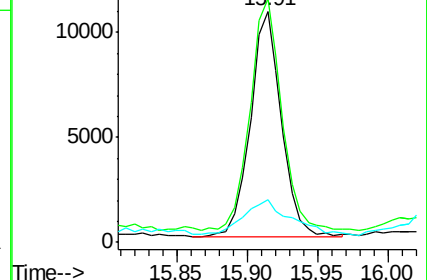
167 18.3 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.61 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

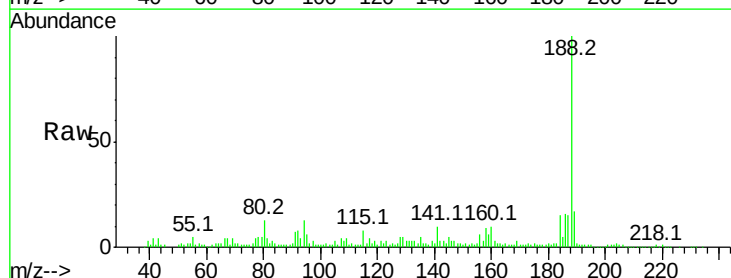
Tgt Ion:188 Resp: 127011

Ion Ratio Lower Upper

188 100

94 12.8 9.4 14.0

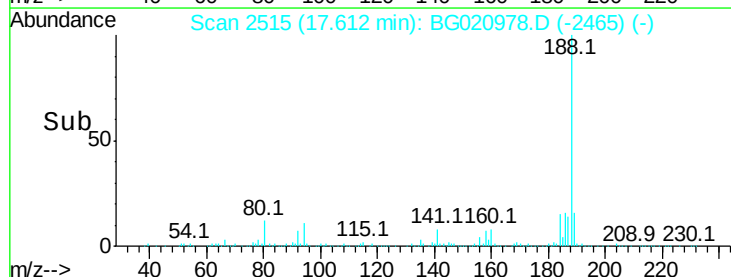
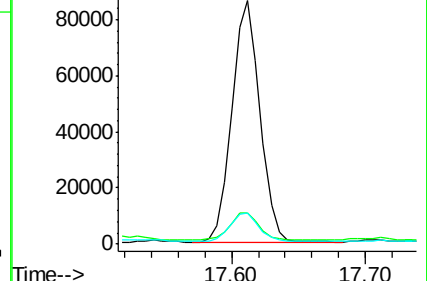
80 12.7 10.2 15.4

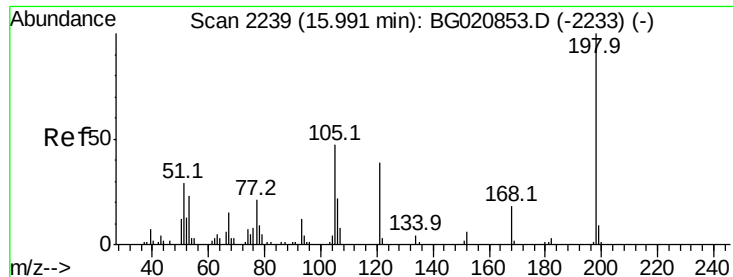


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.59 ng

RT: 15.97 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

Instrument :

BNA_G

ClientSampleId :

MW-2

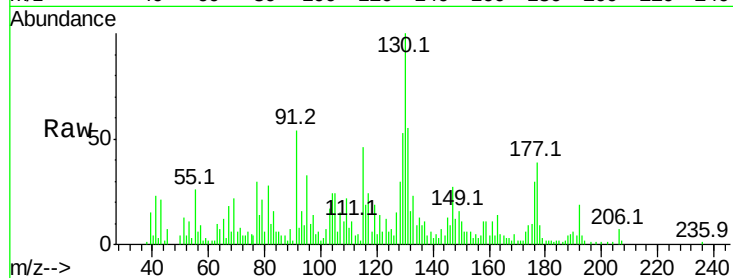
Tot Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 1137.1 10.6 50.6#

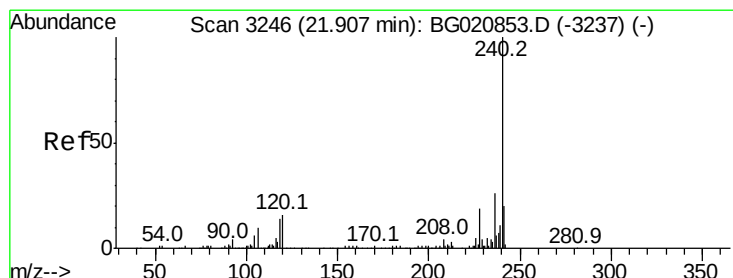
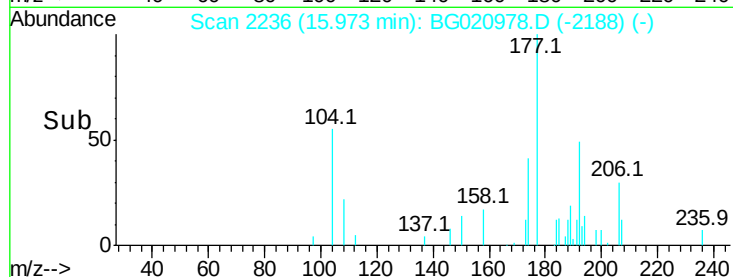
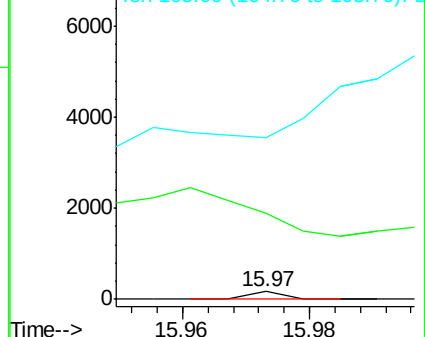
105 2119.8 27.0 67.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.88 min Scan# 3242

Delta R.T. -0.02 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

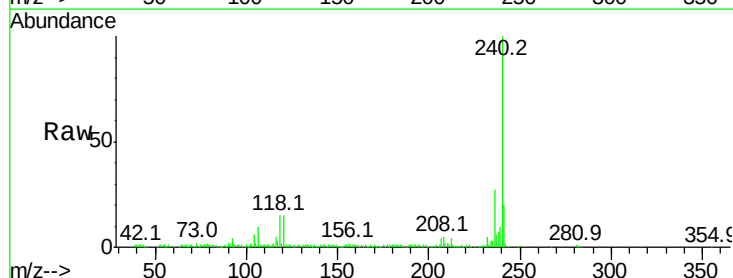
Tgt Ion:240 Resp: 122921

Ion Ratio Lower Upper

240 100

120 15.3 13.0 19.4

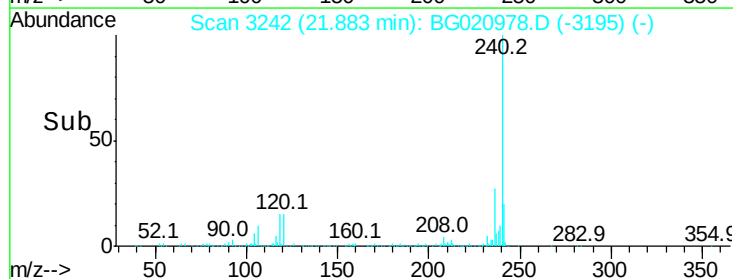
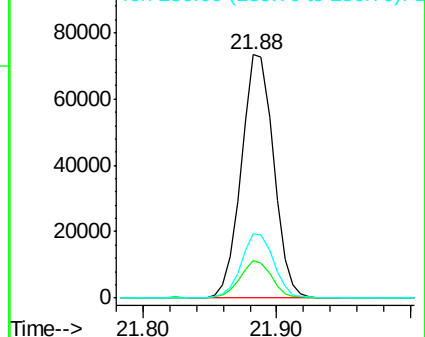
236 26.5 21.0 31.4

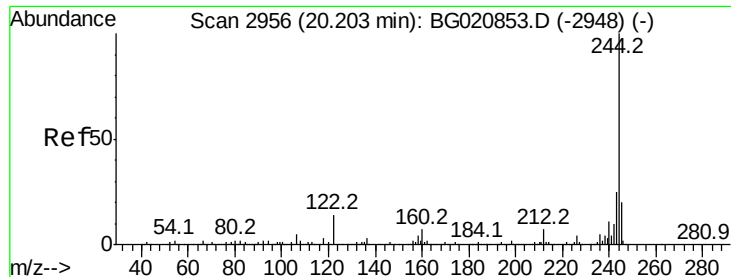


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 84.30 ng

RT: 20.19 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

Instrument :

BNA_G

ClientSampled :

MW-2

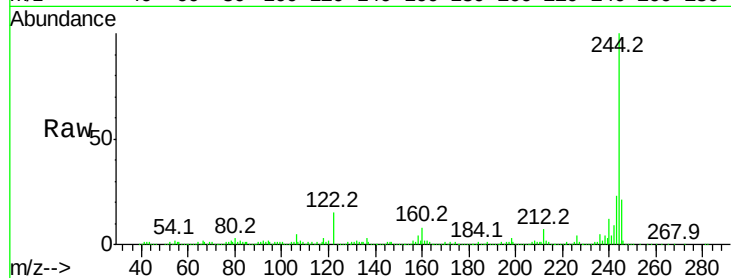
Tot Ion:244 Resp: 444205

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

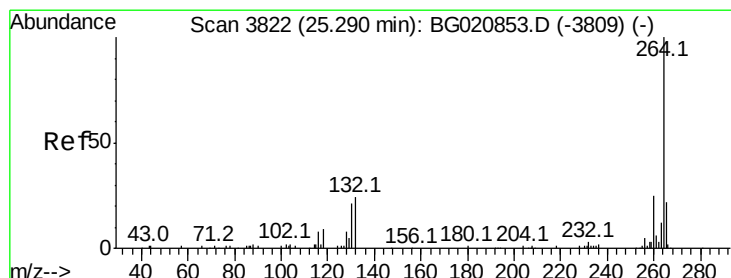
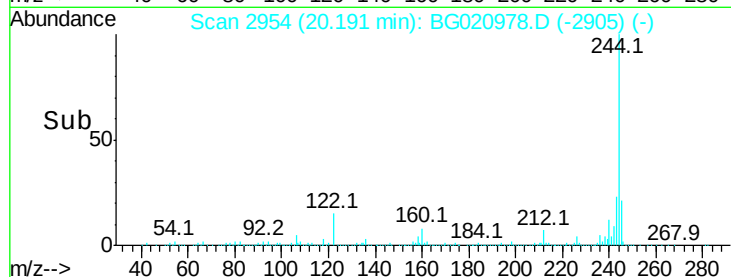
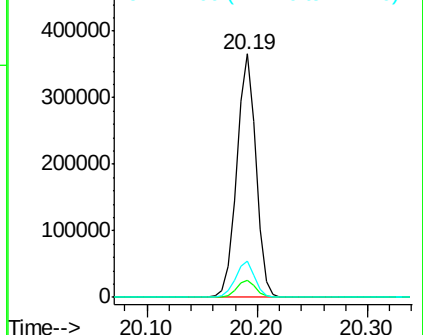
122 14.8 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.25 min Scan# 3816

Delta R.T. -0.04 min

Lab File: BG020978.D

Acq: 19 Feb 2016 18:56

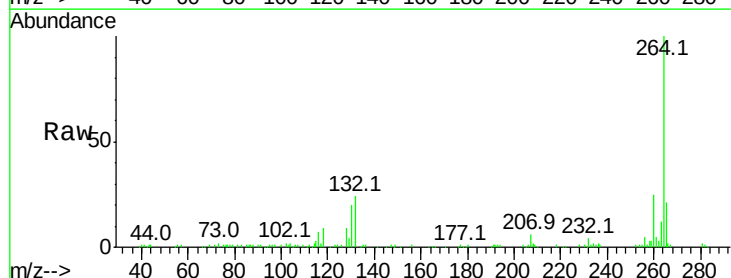
Tgt Ion:264 Resp: 119336

Ion Ratio Lower Upper

264 100

260 24.7 19.9 29.9

265 20.9 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

