

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061416\
 Data File : BG022358.D
 Acq On : 15 Jun 2016 7:23
 Operator : UM/SJ
 Sample : H3542-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-11

Quant Time: Jun 15 08:07:04 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	30568	20.00	ng	-0.02
21) Naphthalene-d8	10.89	136	164846	20.00	ng	-0.02
38) Acenaphthene-d10	14.71	164	98637	20.00	ng	-0.02
63) Phenanthrene-d10	17.46	188	190600	20.00	ng	-0.01
75) Chrysene-d12	21.73	240	165062	20.00	ng	-0.01
86) Perylene-d12	25.00	264	155857	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	104605	66.16	ng	-0.02
7) Phenol-d6	7.24	99	116701	46.95	ng	-0.01
23) Nitrobenzene-d5	9.24	82	157953	66.80	ng	-0.02
41) 2,4,6-Tribromophenol	16.20	330	102980	92.40	ng	-0.02
44) 2-Fluorobiphenyl	13.33	172	421319	65.09	ng	-0.01
78) Terphenyl-d14	20.05	244	408131	58.70	ng	-0.01

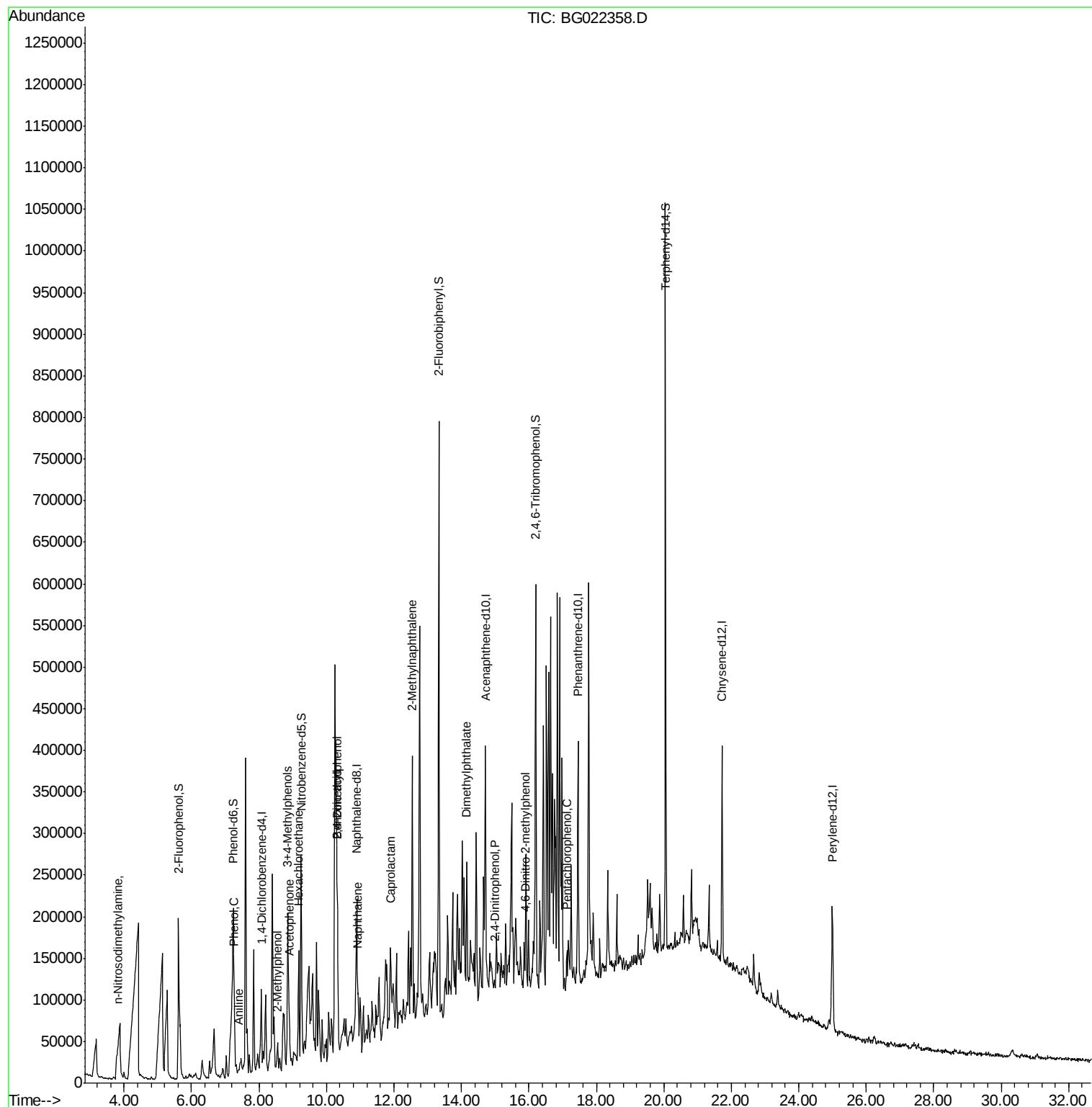
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.81	42	5316	11.61	ng	# 1
6) Aniline	7.40	93	9363	2.96	ng	# 86
10) Phenol	7.27	94	52273	20.40	ng	# 83
17) 2-Methylphenol	8.53	107	5274	2.76	ng	# 86
18) Hexachloroethane	9.18	117	19683	23.10	ng	# 1
20) 3+4-Methylphenols	8.85	107	100354	36.58	ng	# 90
22) Acetophenone	8.90	105	11164	3.14	ng	# 86
27) 2,4-Dimethylphenol	10.32	122	113862	48.79	ng	# 6
31) Naphthalene	10.94	128	28799	3.50	ng	# 84
32) Benzoic acid	10.32	122	120858	101.15	ng	# 83
35) Caprolactam	11.89	113	5316	4.48	ng	# 4
37) 2-Methylnaphthalene	12.54	142	185891	30.60	ng	# 95
49) Dimethylphthalate	14.15	163	109670	13.41	ng	# 97
53) 2,4-Dinitrophenol	15.00	184	221	11.19	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.89	198	198	5.66	ng	# 1
69) Pentachlorophenol	17.12	266	1017	7.76	ng	# 71

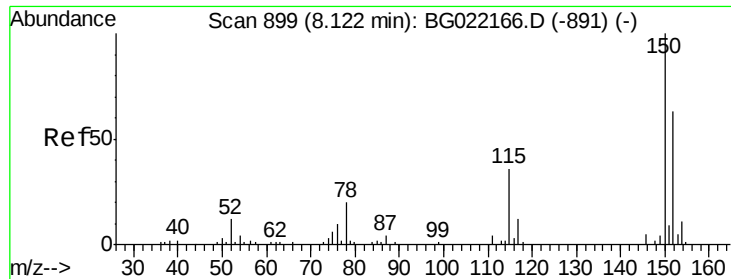
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.07 min Scan# 891

Delta R.T. -0.02 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

Instrument :

BNA_G

ClientSampleId :

MW-11

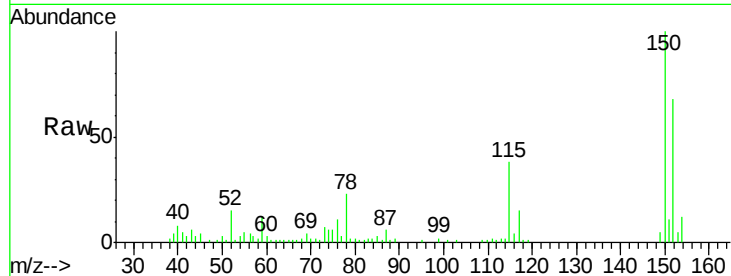
Tgt Ion:152 Resp: 30568

Ion Ratio Lower Upper

152 100

150 147.0 130.1 195.1

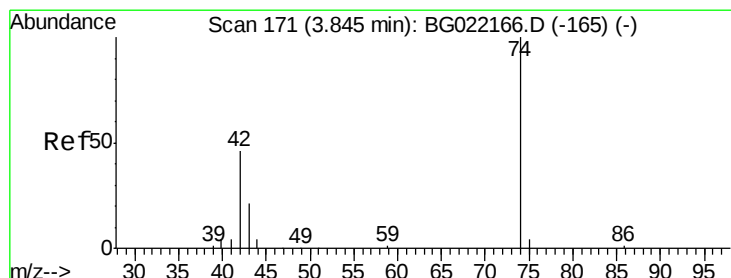
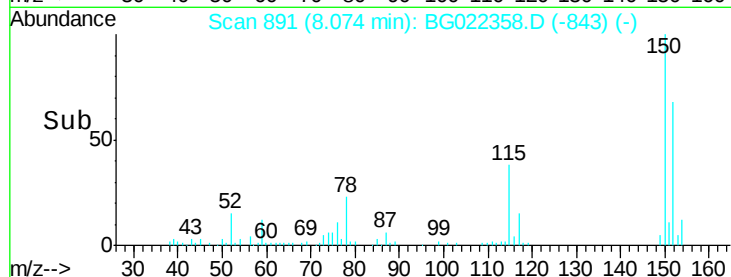
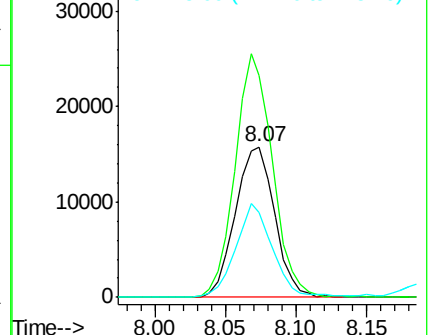
115 56.0 62.2 93.2#



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



#4

n-Nitrosodimethylamine

Concen: 11.61 ng

RT: 3.81 min Scan# 165

Delta R.T. 0.00 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

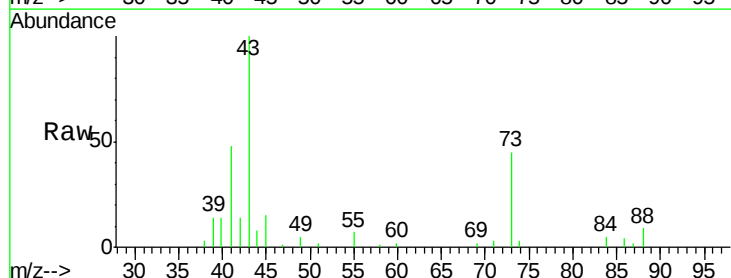
Tgt Ion: 42 Resp: 5316

Ion Ratio Lower Upper

42 100

74 20.2 184.0 276.0#

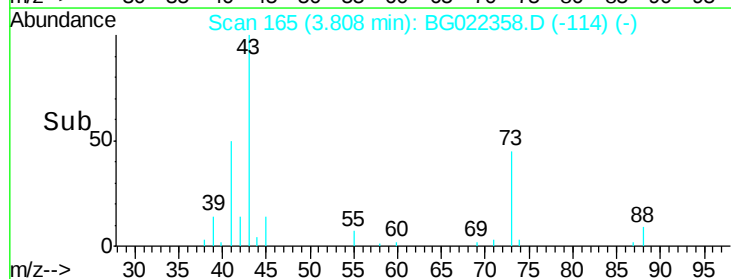
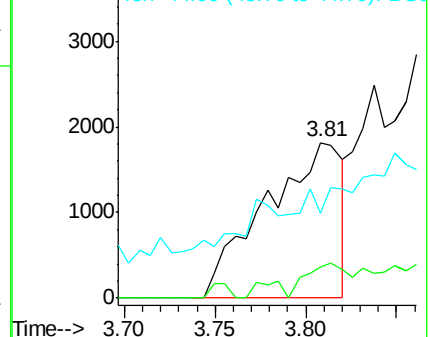
44 54.8 11.0 16.6#

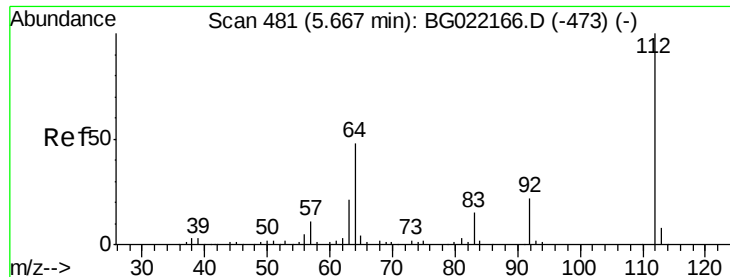


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 66.16 ng

RT: 5.62 min Scan# 473

Delta R.T. -0.02 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

Instrument :

BNA_G

ClientSampleId :

MW-11

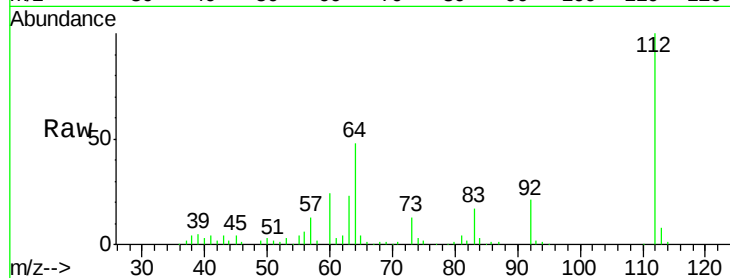
Tgt Ion: 112 Resp: 104605

Ion Ratio Lower Upper

112 100

64 47.9 51.1 76.7#

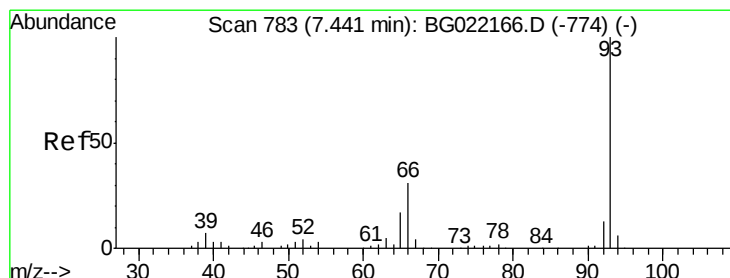
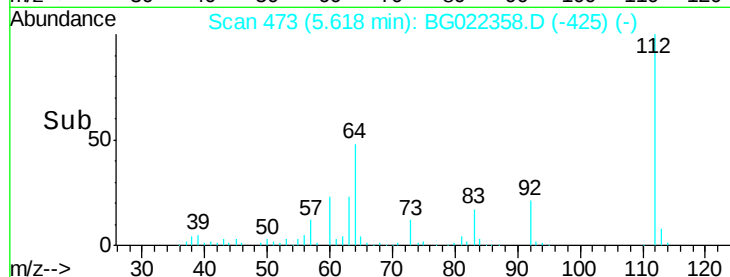
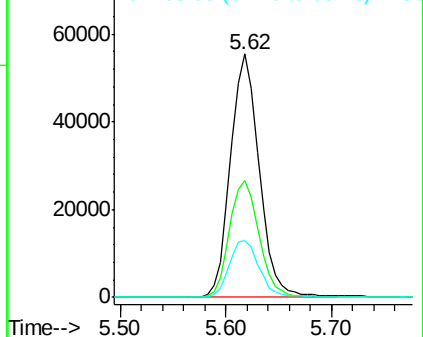
63 23.1 24.6 37.0#



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



#6

Aniline

Concen: 2.96 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.01 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

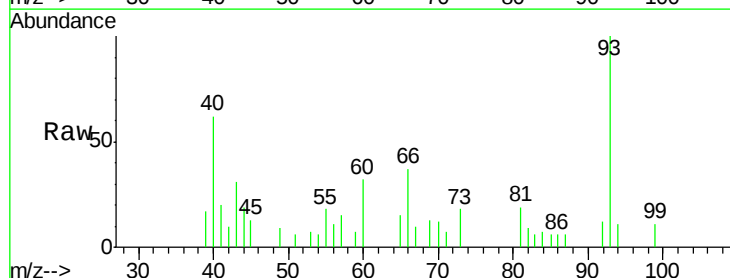
Tgt Ion: 93 Resp: 9363

Ion Ratio Lower Upper

93 100

66 37.5 36.3 54.5

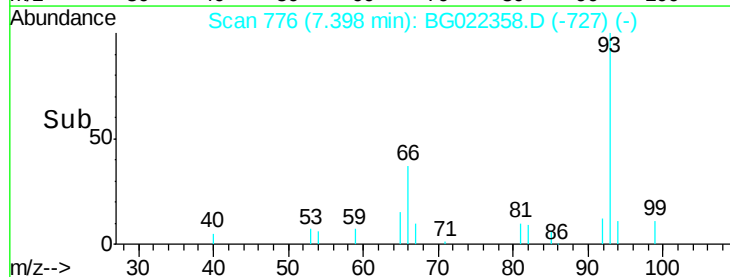
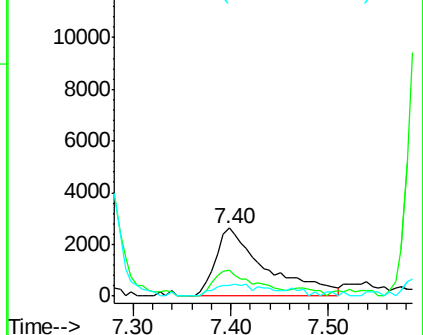
65 14.8 18.4 27.6#

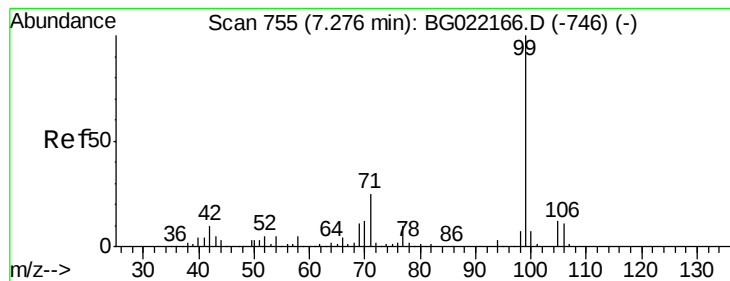


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 46.95 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.01 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

Instrument :

BNA_G

ClientSampleId :

MW-11

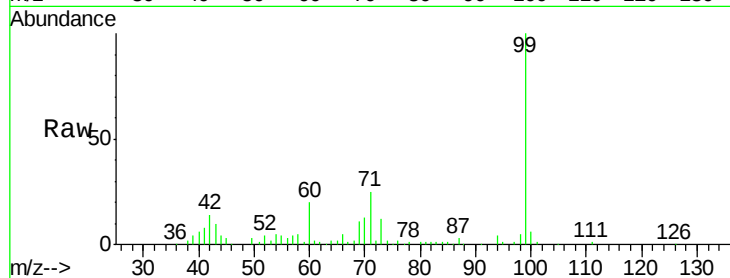
Tgt Ion: 99 Resp: 116701

Ion Ratio Lower Upper

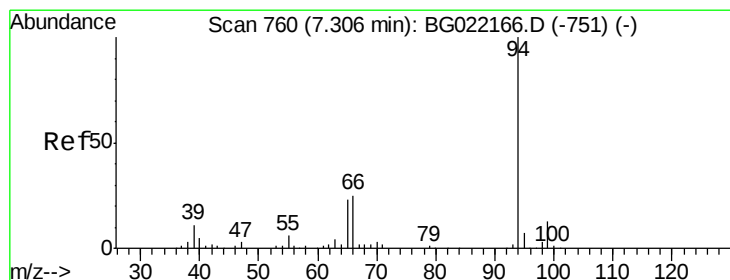
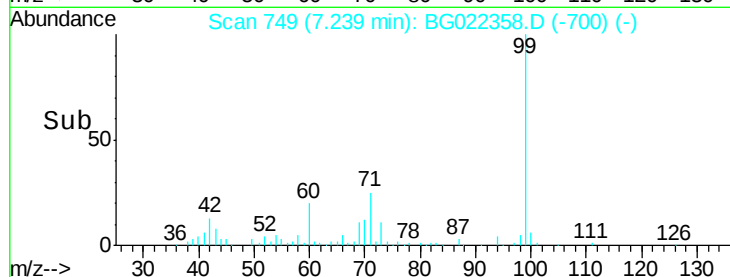
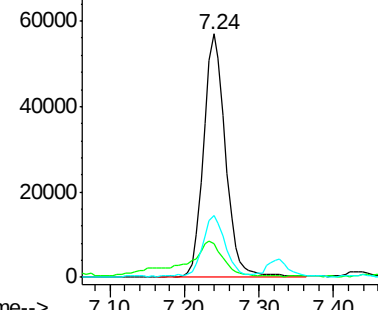
99 100

42 13.6 16.4 24.6#

71 25.3 25.0 37.4



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



#10

Phenol

Concen: 20.40 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.01 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

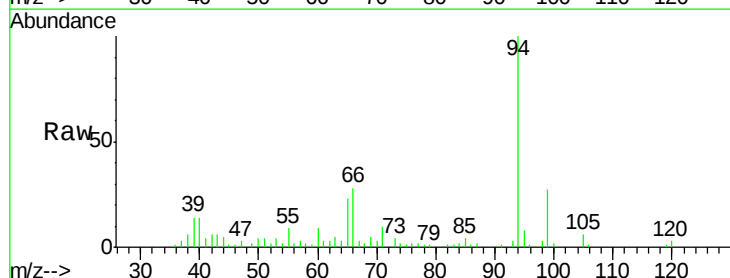
Tgt Ion: 94 Resp: 52273

Ion Ratio Lower Upper

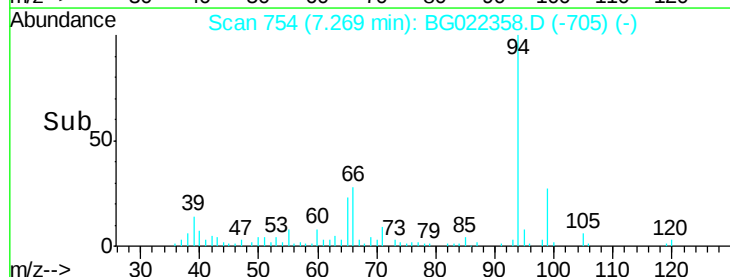
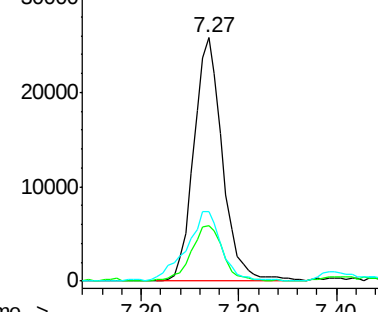
94 100

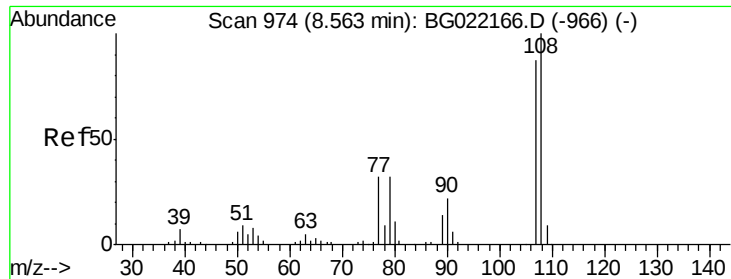
65 22.6 9.8 49.8

66 28.4 20.8 60.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

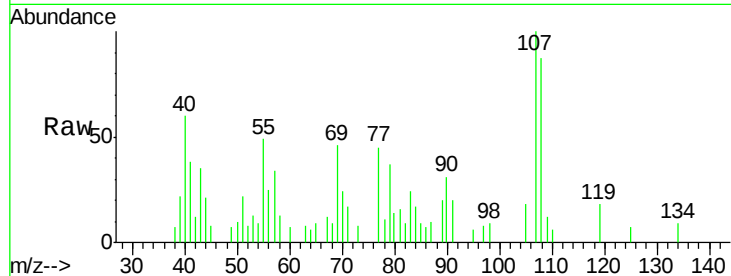




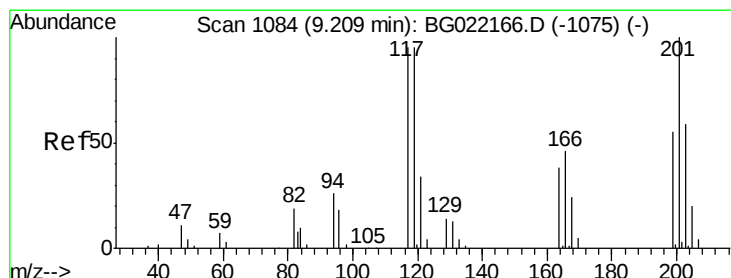
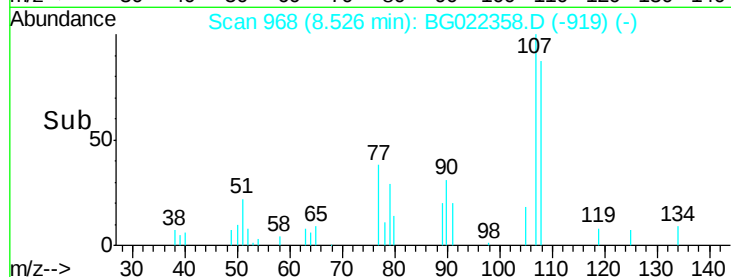
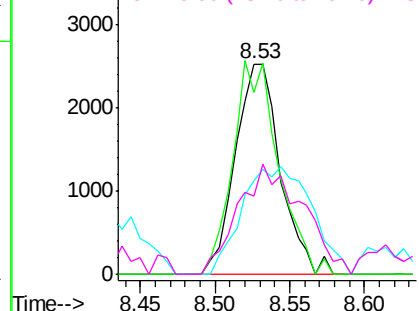
#17
2-Methylphenol
Concen: 2.76 ng
RT: 8.53 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Instrument :
BNA_G
ClientSampleId :
MW-11

Tgt Ion:107 Resp: 5274
Ion Ratio Lower Upper
107 100
108 86.5 80.2 120.4
77 44.5 40.7 61.1
79 37.4 39.8 59.8#

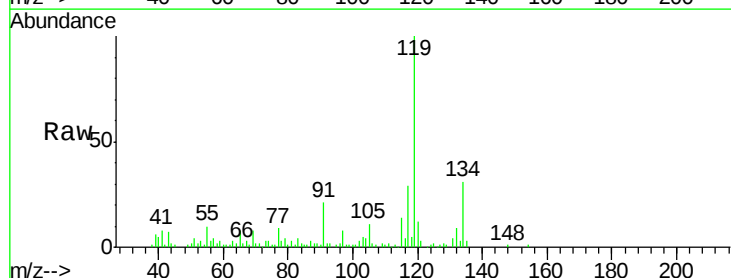


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

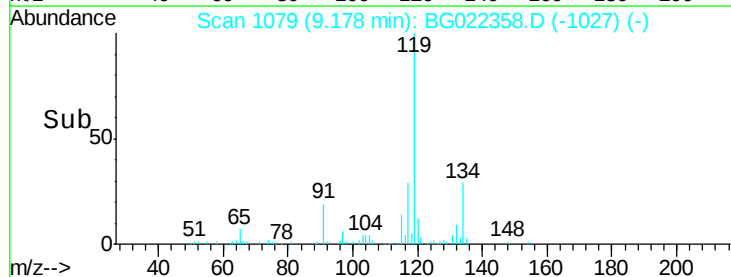
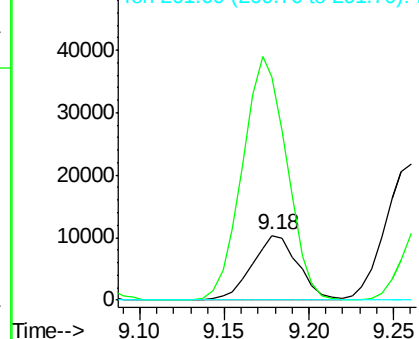


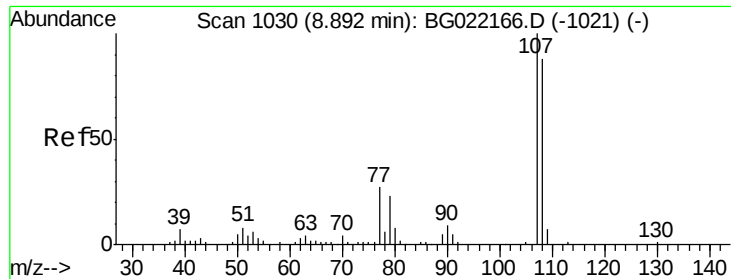
#18
Hexachloroethane
Concen: 23.10 ng
RT: 9.18 min Scan# 1079
Delta R.T. 0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:117 Resp: 19683
Ion Ratio Lower Upper
117 100
119 345.4 63.9 95.9#
201 0.0 61.2 91.8#



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

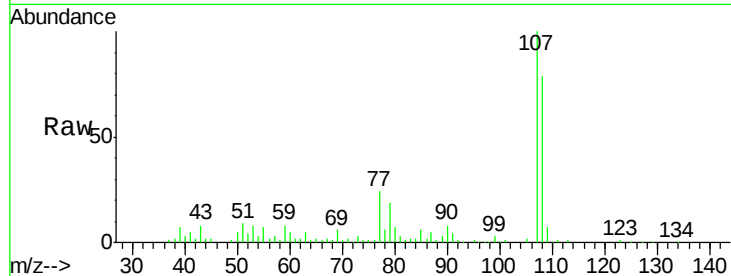




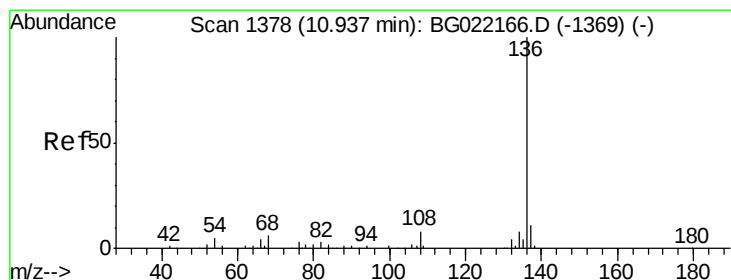
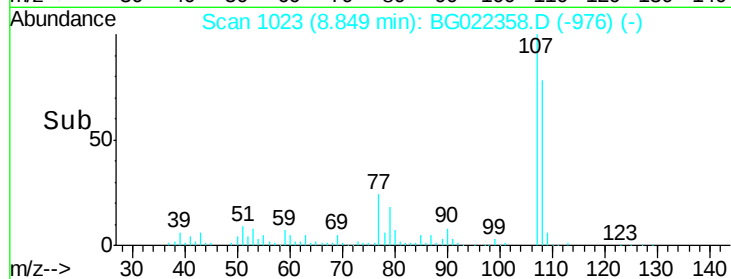
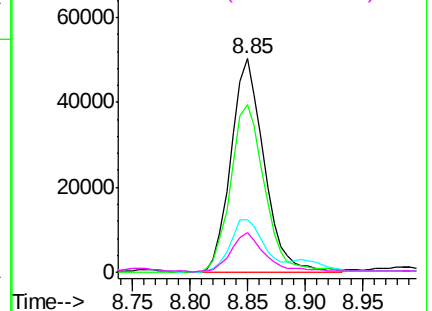
#20
3+4-Methylphenols
Concen: 36.58 ng
RT: 8.85 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Instrument :
BNA_G
ClientSampleId :
MW-11

Tgt Ion:	107	Resp:	100354
Ion	Ratio	Lower	Upper
107	100		
108	78.5	66.2	106.2
77	24.4	11.5	51.5
79	18.8	5.6	45.6

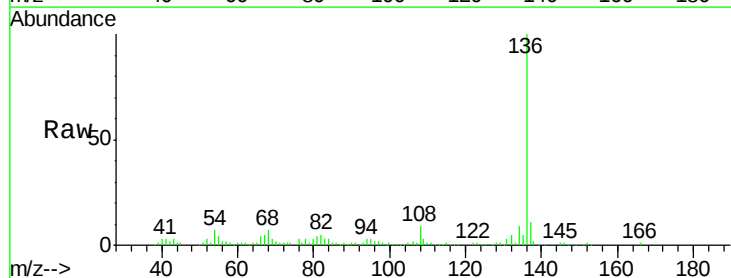


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

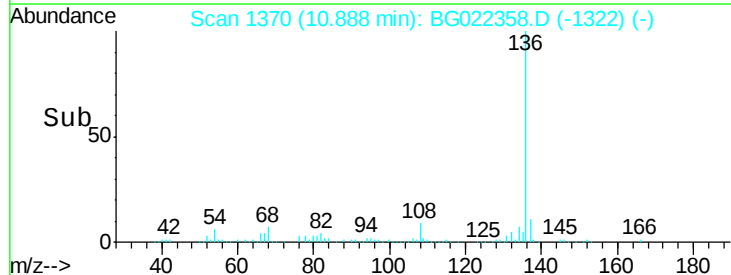
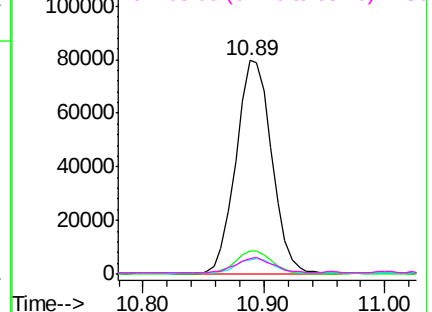


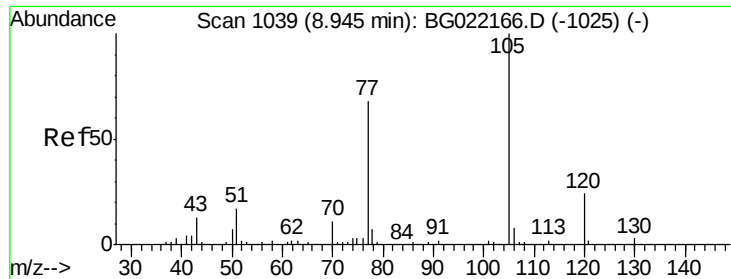
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:	136	Resp:	164846
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.6	9.6	14.4#
68	7.3	6.4	9.6



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: 3.14 ng

RT: 8.90 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

Instrument :

BNA_G

ClientSampled :

MW-11

Tgt Ion: 105 Resp: 11164

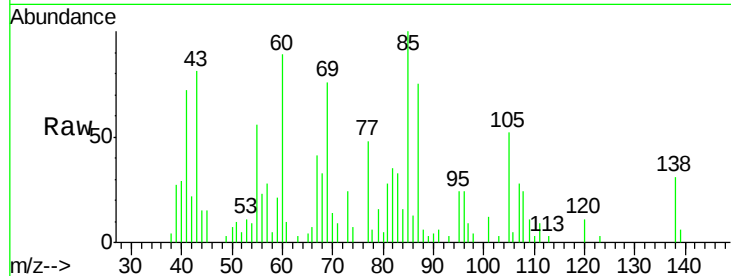
Ion Ratio Lower Upper

105 100

71 17.2 0.0 0.0#

51 19.5 25.7 38.5#

120 20.5 17.0 25.6

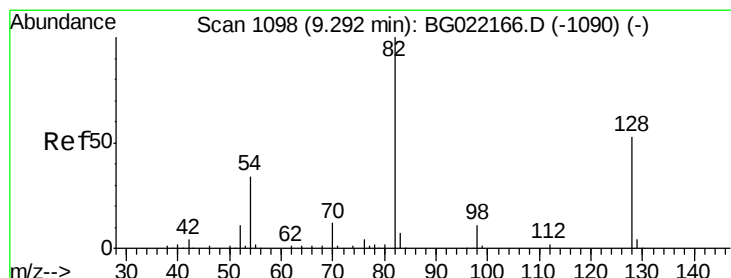
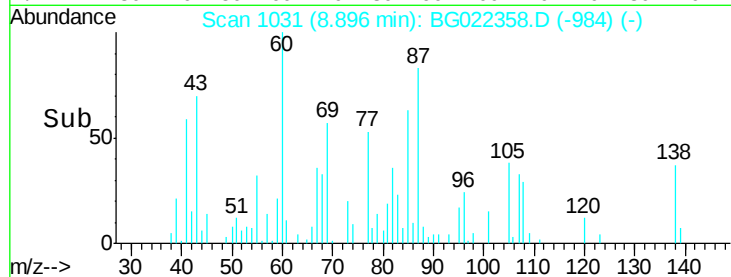
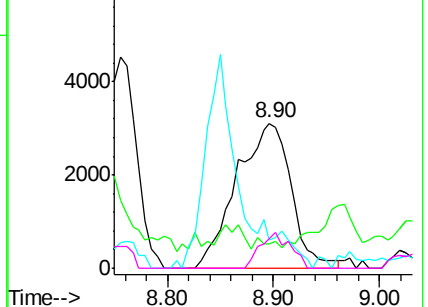


Abundance Ion 105.00 (104.70 to 105.70): E

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: 66.80 ng

RT: 9.24 min Scan# 1090

Delta R.T. -0.02 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

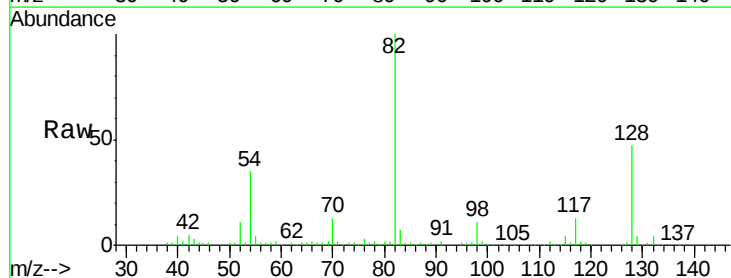
Tgt Ion: 82 Resp: 157953

Ion Ratio Lower Upper

82 100

128 47.4 33.4 50.0

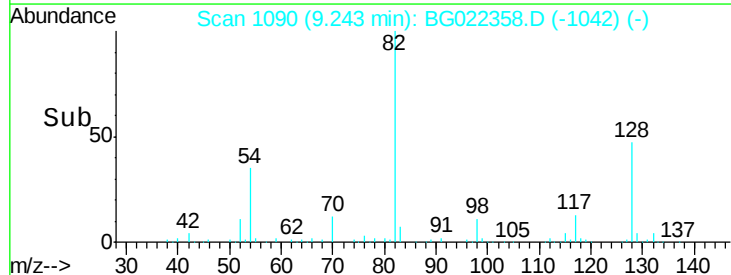
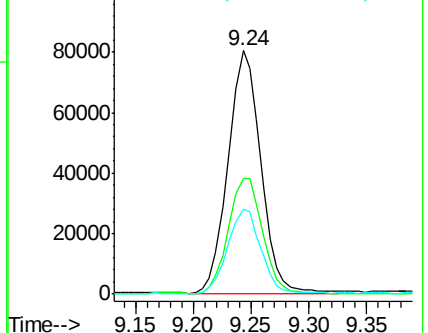
54 34.9 46.1 69.1#

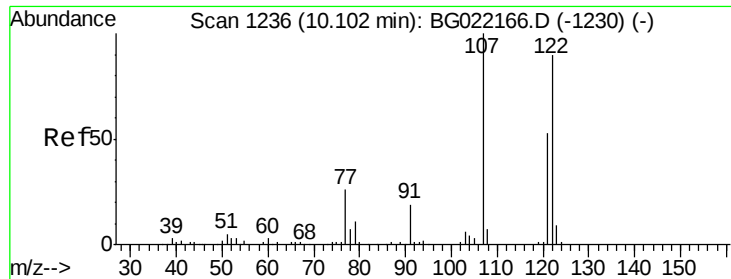


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#27

2,4-Dimethylphenol

Concen: 48.79 ng

RT: 10.32 min Scan# 1274

Delta R.T. 0.25 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

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MW-11

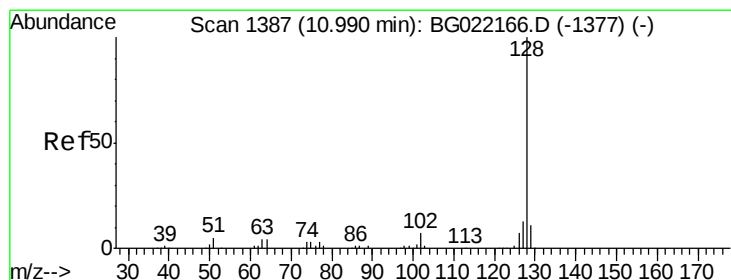
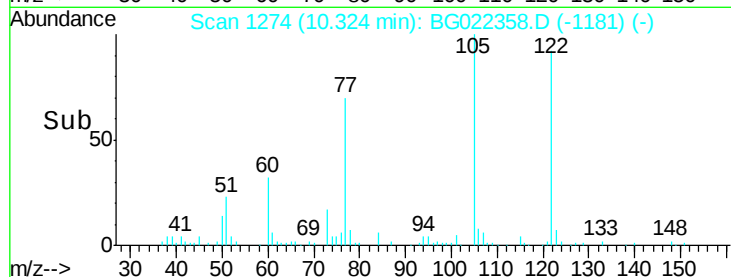
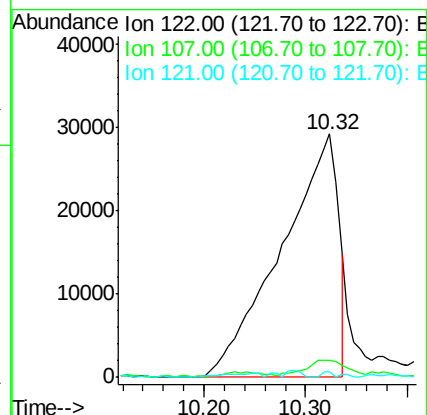
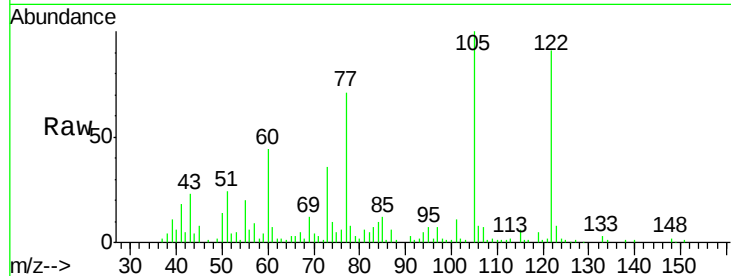
Tgt Ion:122 Resp: 113862

Ion Ratio Lower Upper

122 100

107 7.2 97.2 145.8#

121 2.4 49.0 73.4#



#31

Naphthalene

Concen: 3.50 ng

RT: 10.94 min Scan# 1379

Delta R.T. -0.02 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

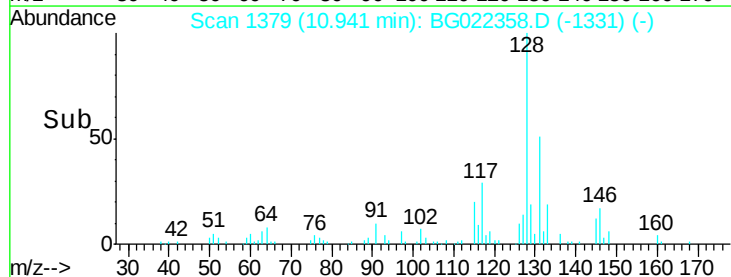
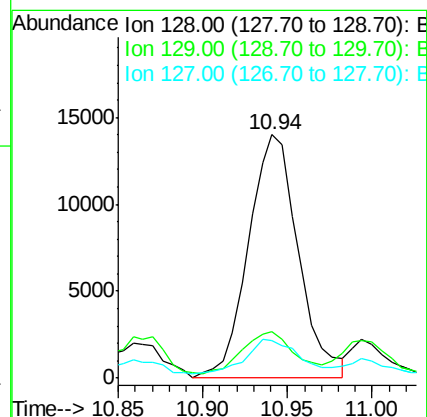
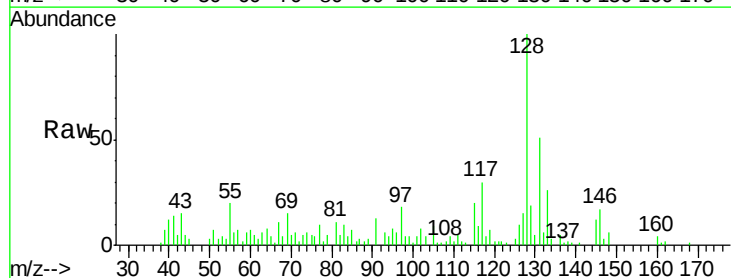
Tgt Ion:128 Resp: 28799

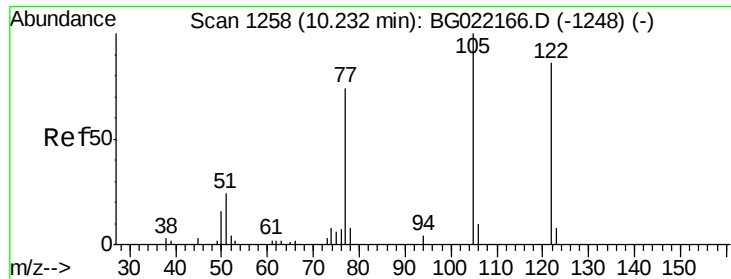
Ion Ratio Lower Upper

128 100

129 19.0 7.0 10.6#

127 15.4 10.1 15.1#

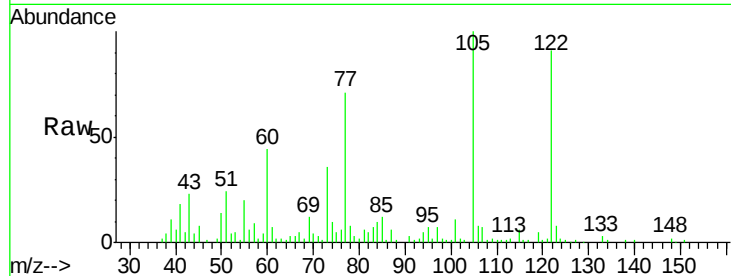




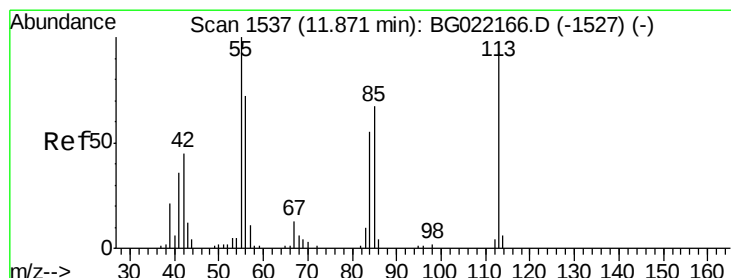
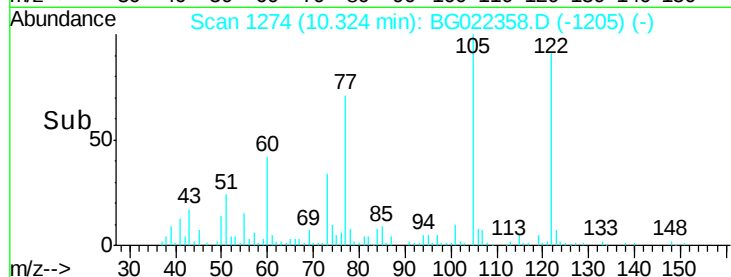
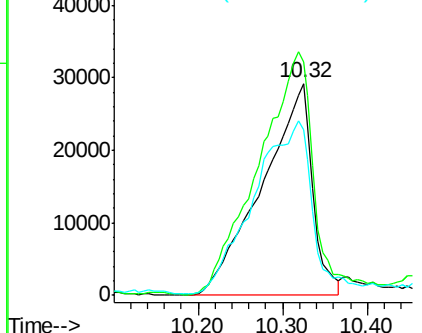
#32
Benzoic acid
Concen: 101.15 ng
RT: 10.32 min Scan# 1274
Delta R.T. 0.11 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Instrument :
BNA_G
ClientSampleId :
MW-11

Tgt Ion:122 Resp: 120858
Ion Ratio Lower Upper
122 100
105 109.8 104.5 144.5
77 78.1 79.9 119.9#

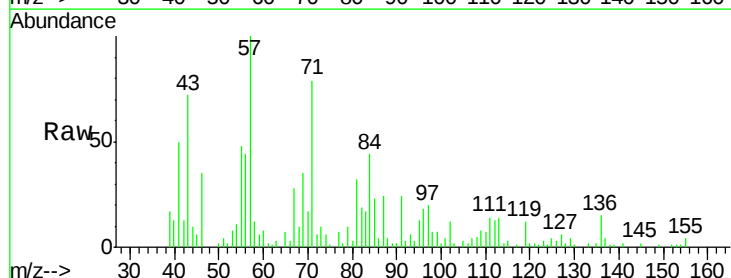


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

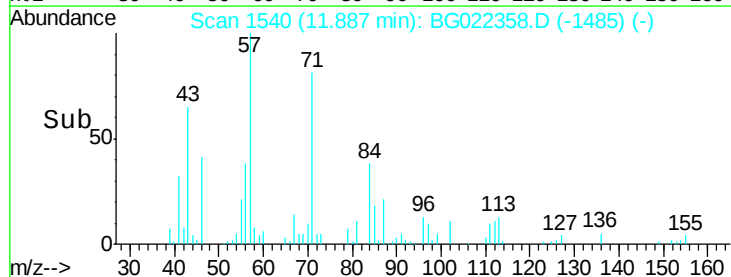
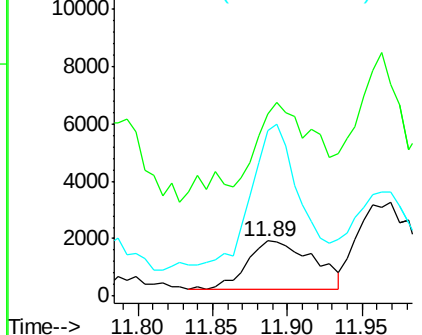


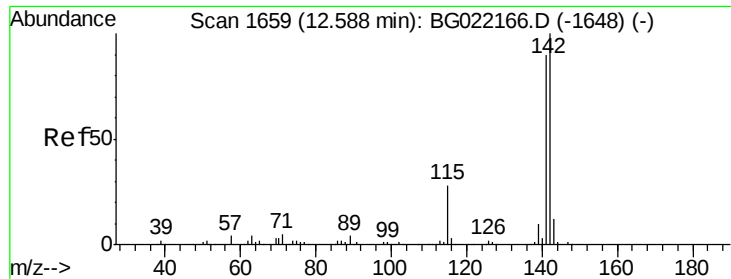
#35
Caprolactam
Concen: 4.48 ng
RT: 11.89 min Scan# 1540
Delta R.T. 0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:113 Resp: 5316
Ion Ratio Lower Upper
113 100
55 331.2 194.2 234.2#
56 302.5 122.6 162.6#



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

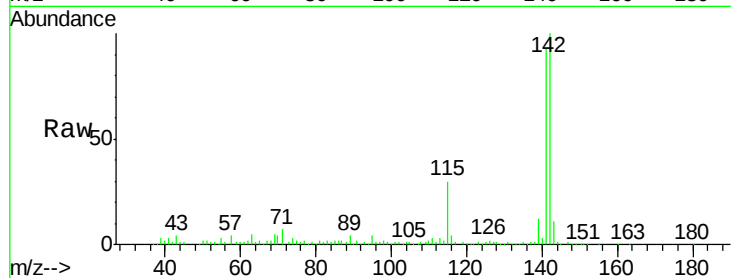




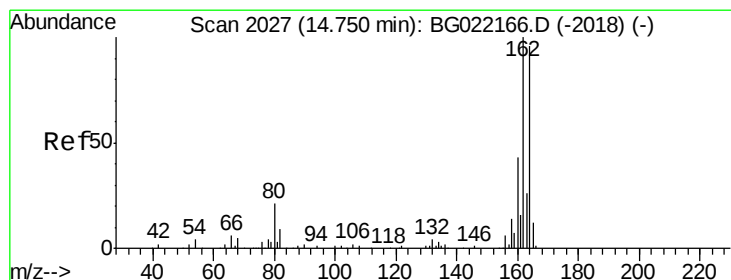
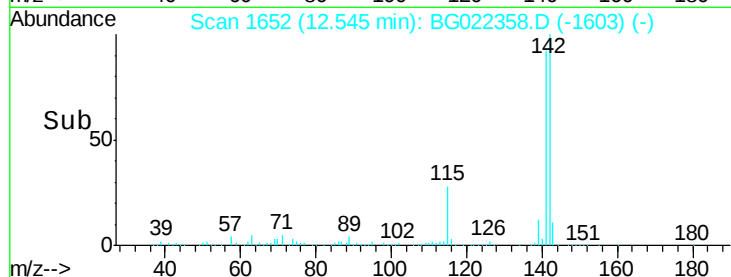
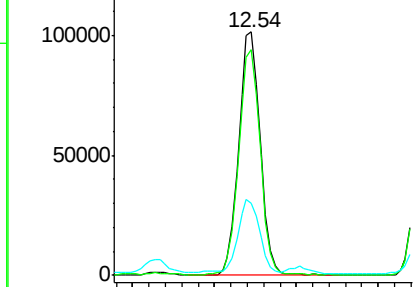
#37
2-Methylnaphthalene
Concen: 30.60 ng
RT: 12.54 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Instrument :
BNA_G
ClientSampleId :
MW-11

Tgt Ion:142 Resp: 185891
Ion Ratio Lower Upper
142 100
141 92.8 71.4 107.0
115 29.6 27.4 41.2

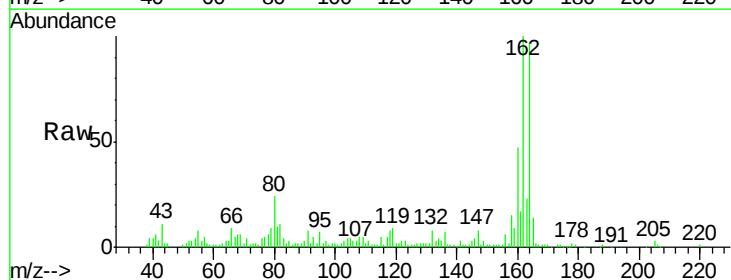


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

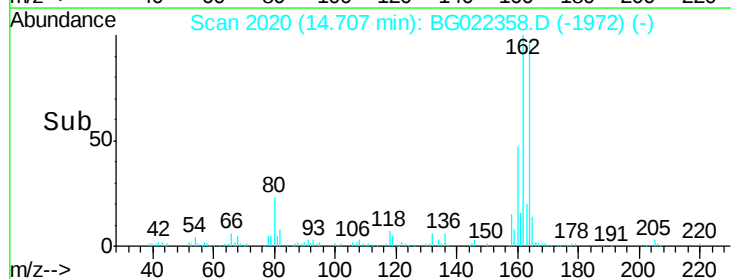
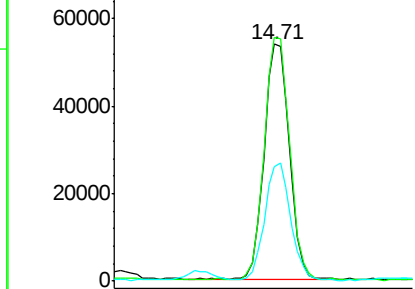


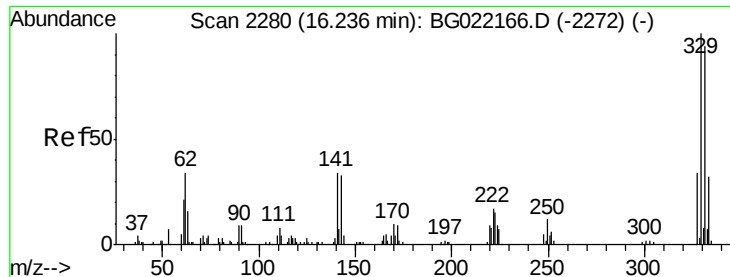
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.71 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Tgt Ion:164 Resp: 98637
Ion Ratio Lower Upper
164 100
162 102.7 78.0 117.0
160 48.2 32.9 49.3



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

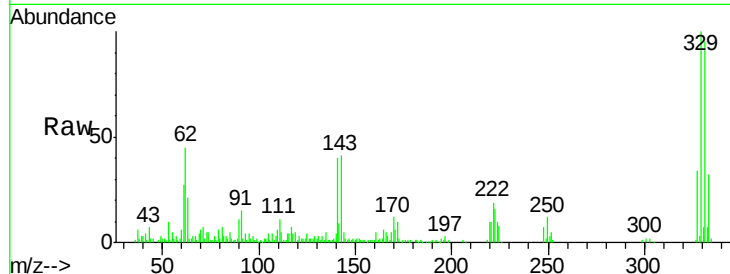




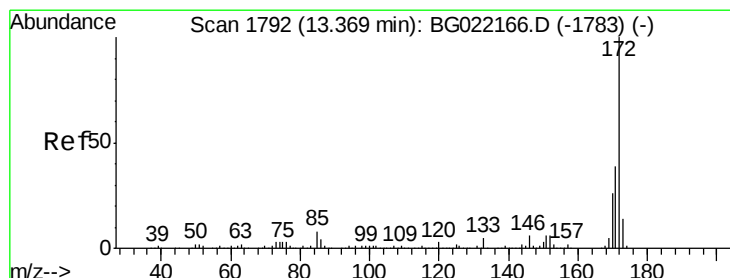
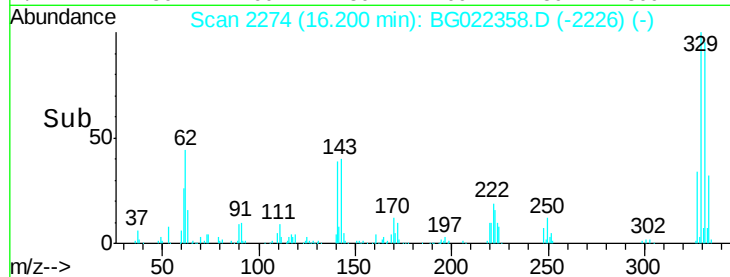
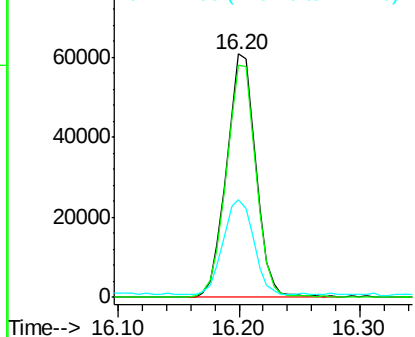
#41
 2,4,6-Tribromophenol
 Concen: 92.40 ng
 RT: 16.20 min Scan# 2274
 Delta R.T. -0.02 min
 Lab File: BG022358.D
 Acq: 15 Jun 2016 7:23

Instrument :
 BNA_G
 ClientSampled :
 MW-11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	40.4	33.8	50.8

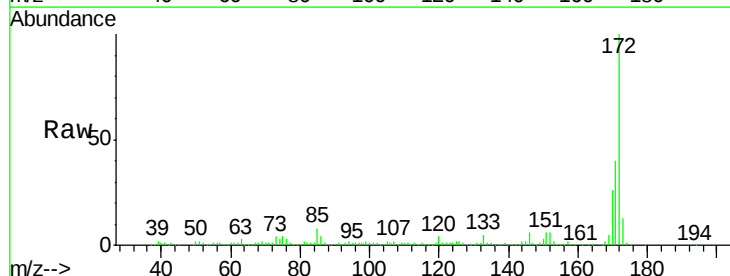


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

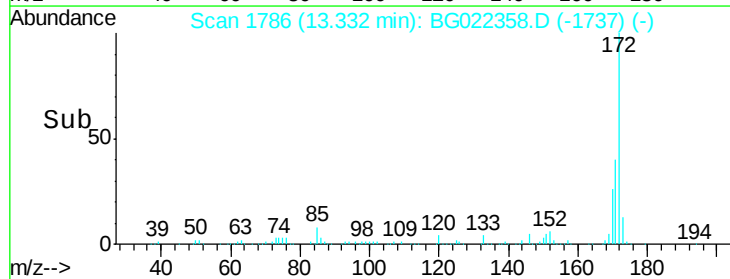
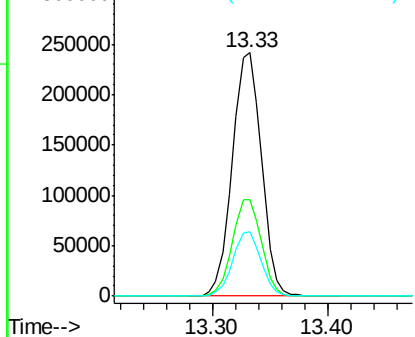


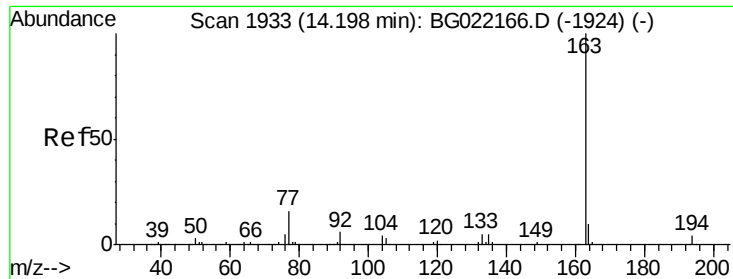
#44
 2-Fluorobiphenyl
 Concen: 65.09 ng
 RT: 13.33 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BG022358.D
 Acq: 15 Jun 2016 7:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.6	27.8	41.6
170	26.4	19.6	29.4



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





#49

Dimethylphthalate

Concen: 13.41 ng

RT: 14.15 min Scan# 1926

Delta R.T. -0.02 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

Instrument :

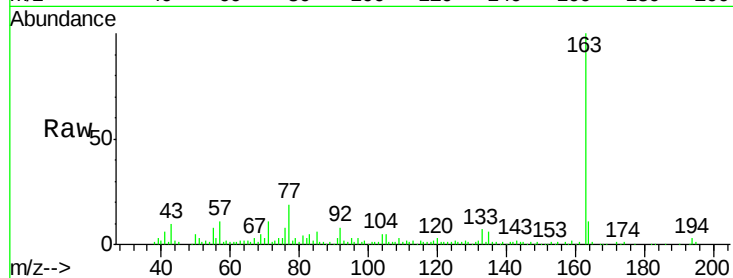
BNA_G

ClientSampleId :

MW-11

Tgt Ion:163 Resp: 109670

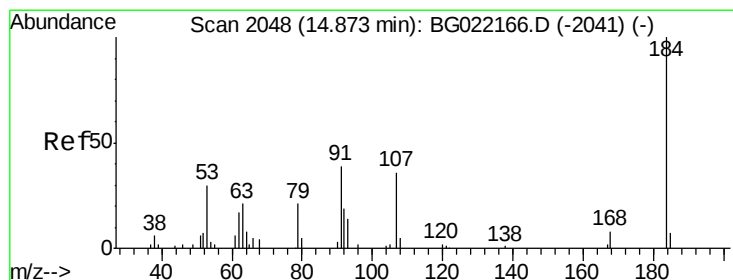
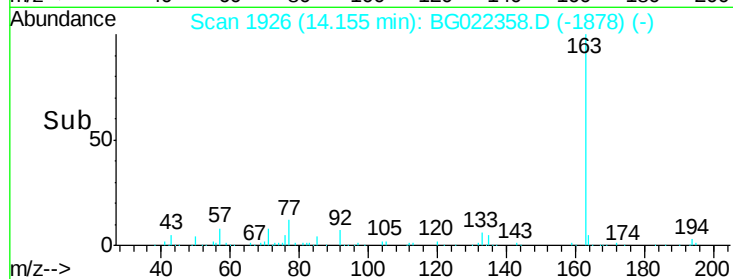
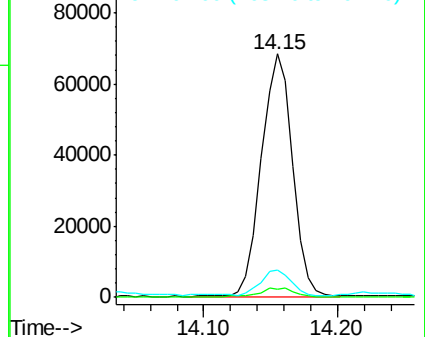
Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.6
164	11.4	8.1	12.1



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



#53

2,4-Dinitrophenol

Concen: 11.19 ng

RT: 15.00 min Scan# 2069

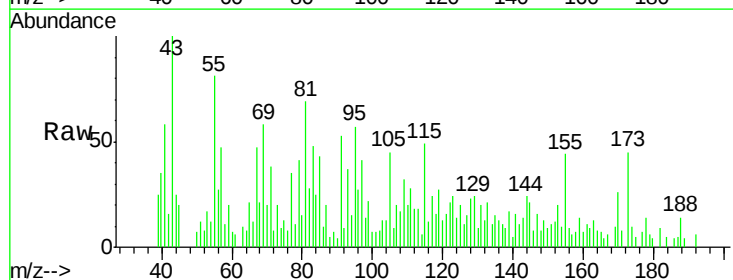
Delta R.T. 0.14 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

Tgt Ion:184 Resp: 221

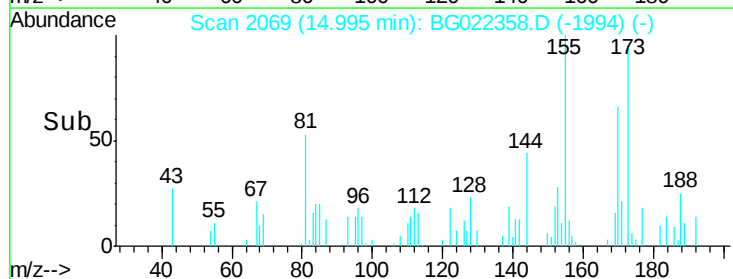
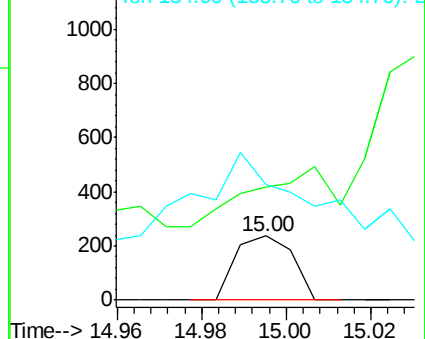
Ion	Ratio	Lower	Upper
184	100		
63	177.5	57.3	85.9#
154	180.9	55.2	82.8#

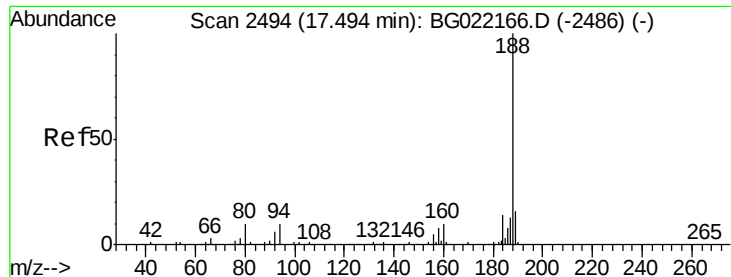


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.46 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

Instrument :

BNA_G

ClientSampleId :

MW-11

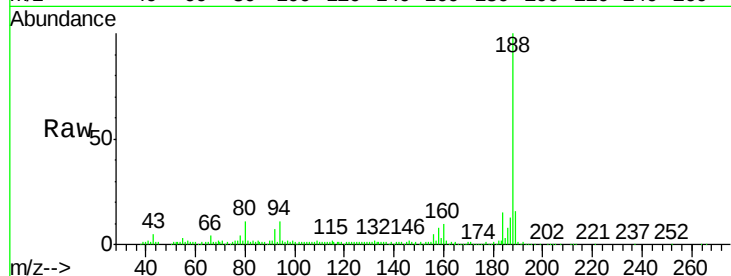
Tgt Ion:188 Resp: 190600

Ion Ratio Lower Upper

188 100

94 10.8 7.5 11.3

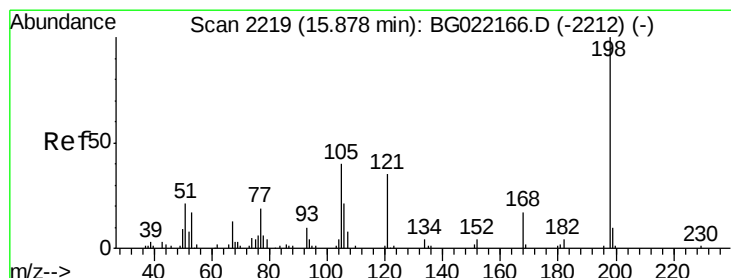
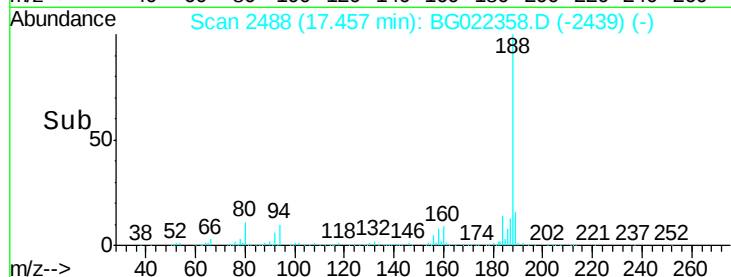
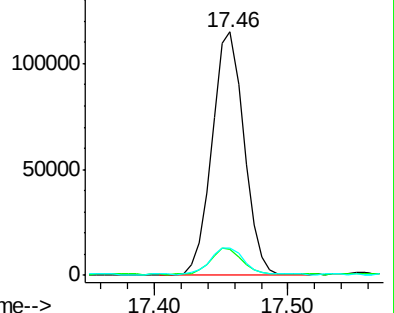
80 11.1 8.6 13.0



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: 5.66 ng

RT: 15.89 min Scan# 2221

Delta R.T. 0.03 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

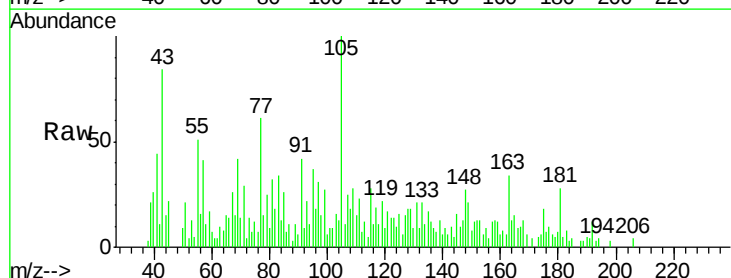
Tgt Ion:198 Resp: 198

Ion Ratio Lower Upper

198 100

51 602.4 29.2 69.2#

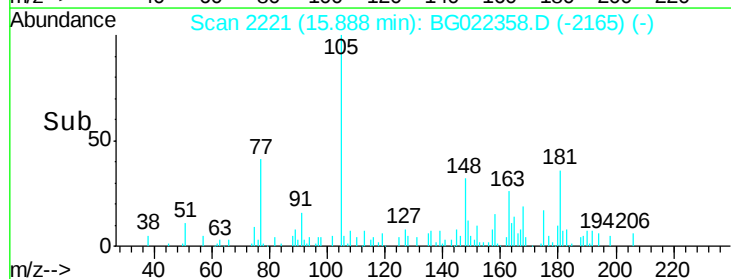
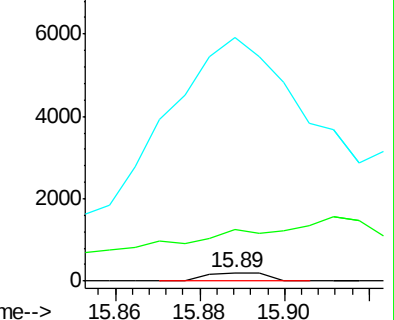
105 2869.9 24.0 64.0#

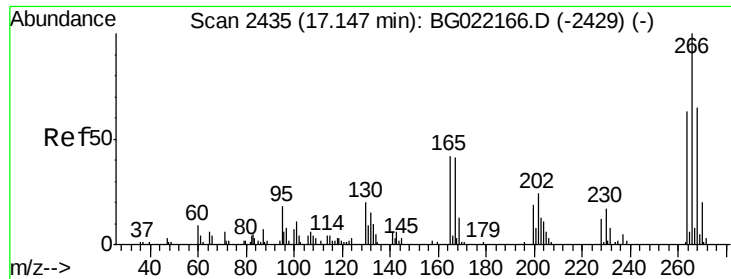


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

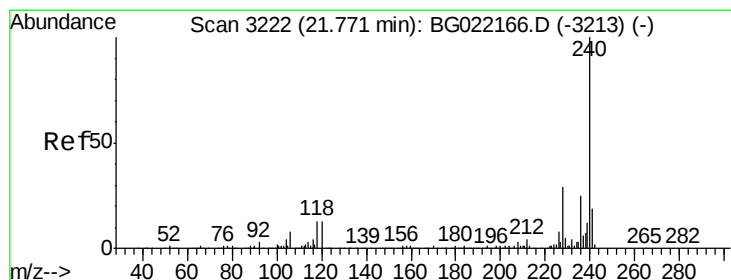
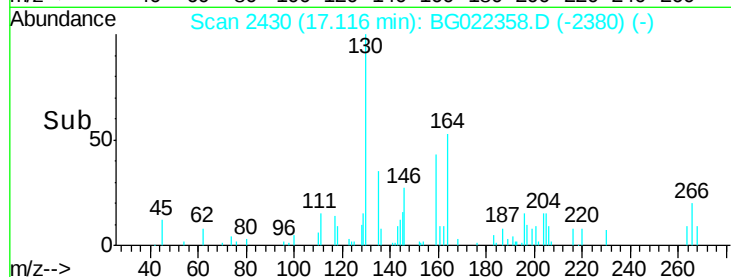
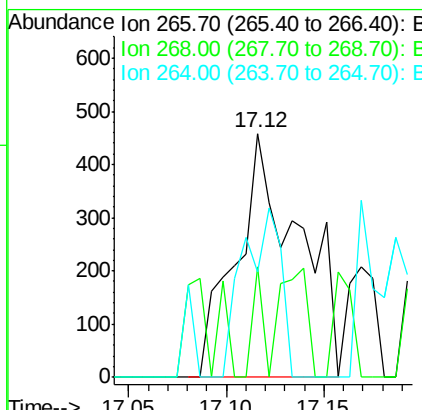
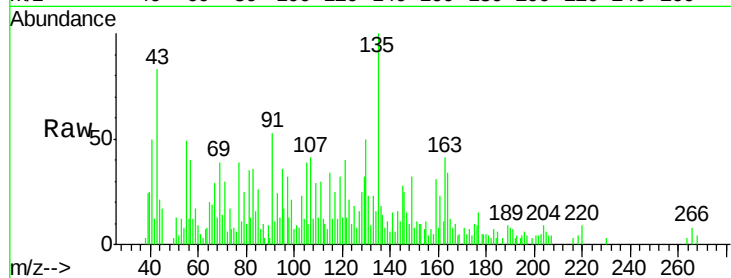




#69
 Pentachlorophenol
 Concen: 7.76 ng
 RT: 17.12 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BG022358.D
 Acq: 15 Jun 2016 7:23

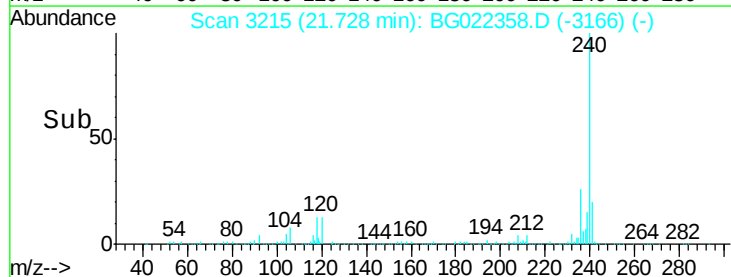
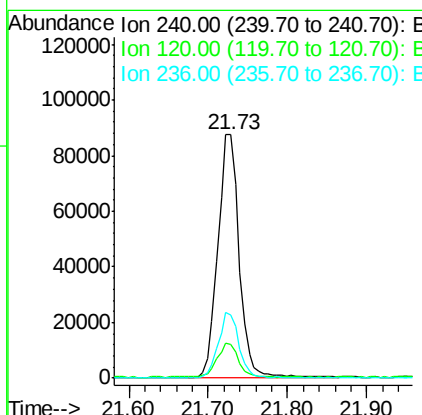
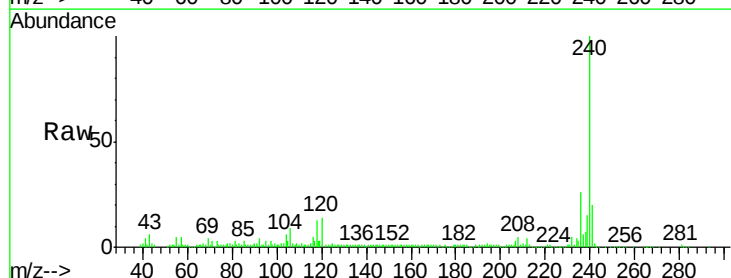
Instrument :
 BNA_G
 ClientSampleId :
 MW-11

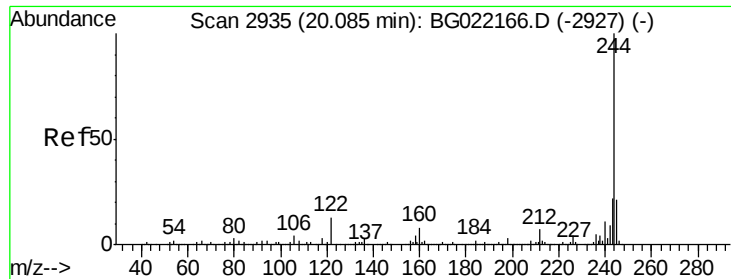
Tgt Ion:266 Resp: 1017
 Ion Ratio Lower Upper
 266 100
 268 45.2 54.5 81.7#
 264 43.2 53.8 80.6#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.73 min Scan# 3215
 Delta R.T. -0.01 min
 Lab File: BG022358.D
 Acq: 15 Jun 2016 7:23

Tgt Ion:240 Resp: 165062
 Ion Ratio Lower Upper
 240 100
 120 13.9 8.4 12.6#
 236 25.8 19.6 29.4





#78

Terphenyl-d14

Concen: 58.70 ng

RT: 20.05 min Scan# 2929

Delta R.T. -0.01 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

Instrument :

BNA_G

ClientSampleId :

MW-11

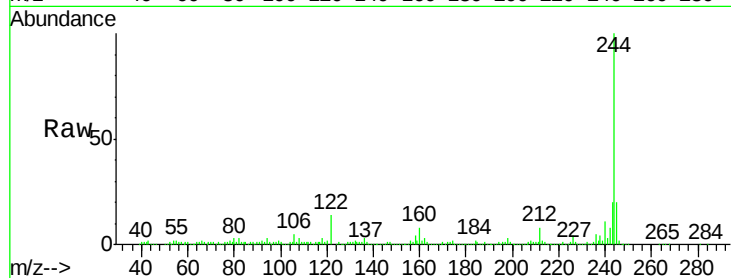
Tgt Ion:244 Resp: 408131

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

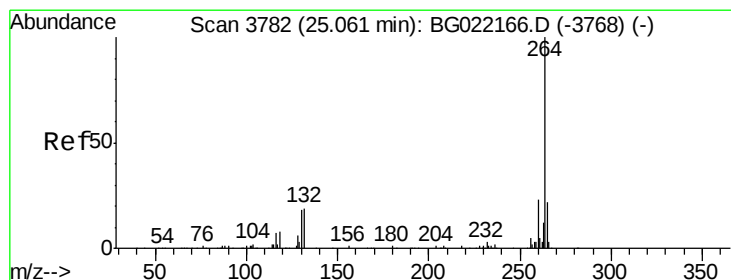
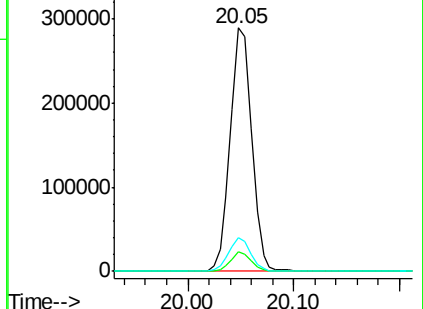
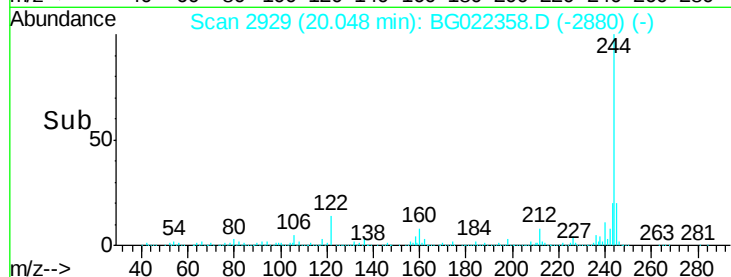
122 13.8 8.6 12.8#



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: 25.00 min Scan# 3771

Delta R.T. -0.02 min

Lab File: BG022358.D

Acq: 15 Jun 2016 7:23

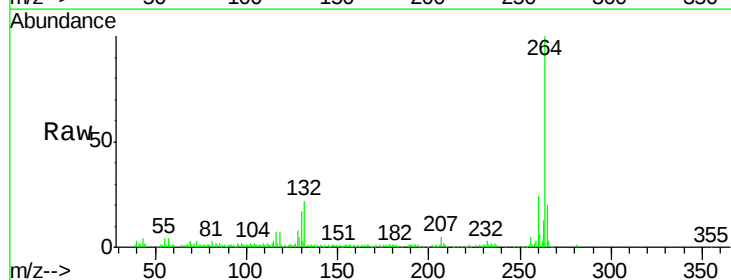
Tgt Ion:264 Resp: 155857

Ion Ratio Lower Upper

264 100

260 23.5 20.2 30.4

265 19.6 17.8 26.8



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

