

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061416\
 Data File : BG022361.D
 Acq On : 15 Jun 2016 9:23
 Operator : UM/SJ
 Sample : H3574-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-24

Quant Time: Jun 15 14:06:34 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	8.08	152	37988	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	222120	20.00	ng	0.01
38) Acenaphthene-d10	14.74	164	92425	20.00	ng	0.01
63) Phenanthrene-d10	17.47	188	177035	20.00	ng	0.00
75) Chrysene-d12	21.73	240	154910	20.00	ng	0.00
86) Perylene-d12	25.02	264	142873	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	113436	57.74	ng	0.02
7) Phenol-d6	7.33	99	109112	35.32	ng	0.08
23) Nitrobenzene-d5	9.29	82	184438	57.89	ng	0.03
41) 2,4,6-Tribromophenol	16.22	330	98677	94.49	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	286683	47.27	ng	0.03
78) Terphenyl-d14	20.06	244	188169	28.84	ng	0.00

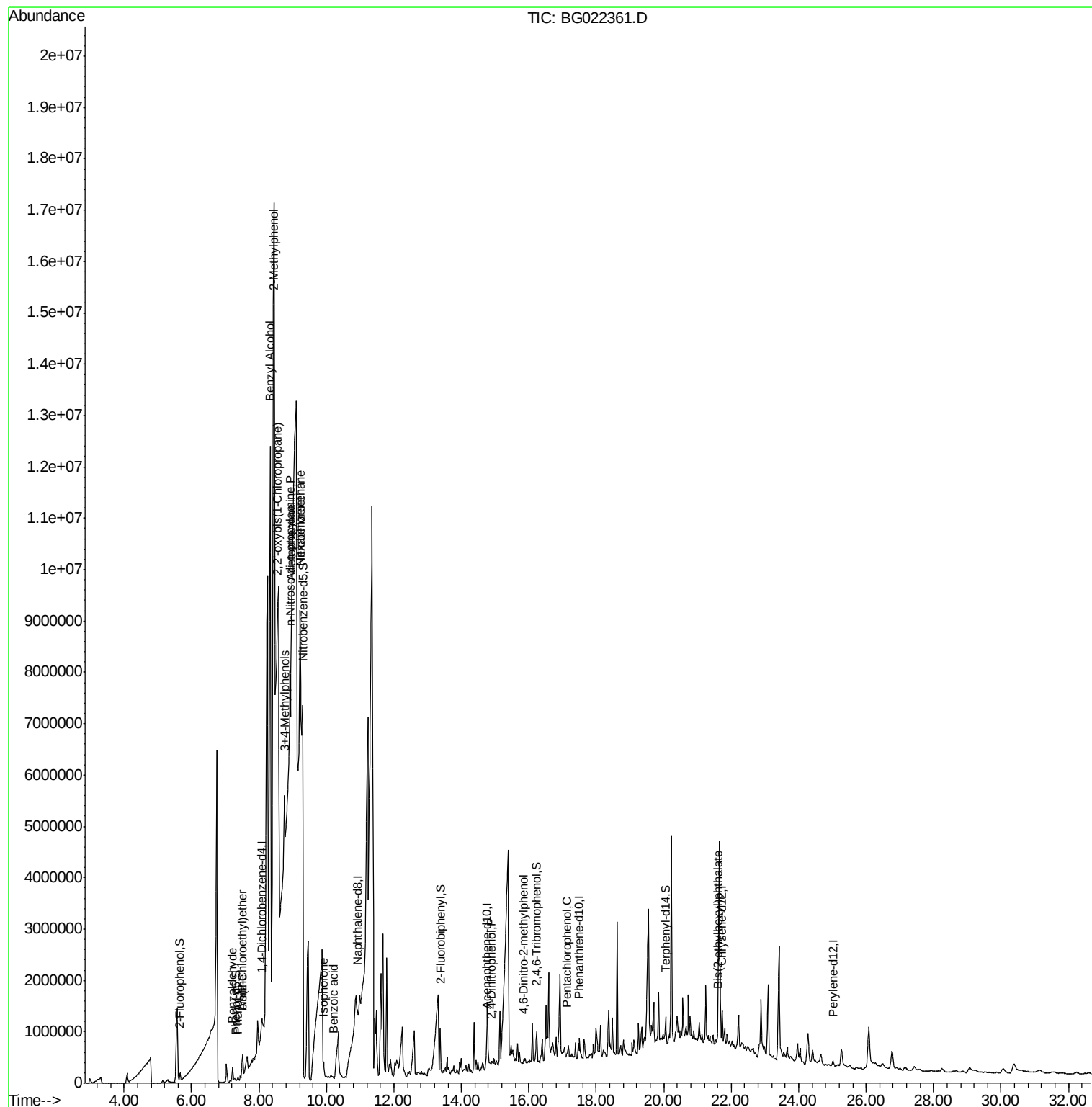
Target Compounds						Qvalue
6) Aniline	7.51	93	312986	79.75	ng	# 44
9) Benzaldehyde	7.21	77	98036	57.66	ng	# 77
10) Phenol	7.36	94	8178	2.57	ng	# 79
11) bis(2-Chloroethyl)ether	7.51	93	312986	123.25	ng	# 15
15) Benzyl Alcohol	8.34	79	1656214	829.82	ng	# 66
16) 2,2'-oxybis(1-Chloropropan	8.54	45	103819	39.40	ng	# 1
17) 2-Methylphenol	8.44	107	4256181	1790.80	ng	# 48
18) Hexachloroethane	9.22	117	71706	67.71	ng	# 56
19) n-Nitroso-di-n-propylamine	8.92	70	67361	32.21	ng	# 35
20) 3+4-Methylphenols	8.75	107	41561	12.19	ng	# 1
22) Acetophenone	8.95	105	10449	2.18	ng	# 1
24) Nitrobenzene	9.22	77	308162	96.19	ng	# 45
25) Isophorone	9.91	82	52250	7.01	ng	# 62
32) Benzoic acid	10.21	122	340	7.62	ng	# 1
53) 2,4-Dinitrophenol	14.88	184	75	11.02	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.85	198	298	5.77	ng	# 1
69) Pentachlorophenol	17.13	266	72	6.85	ng	# 16
83) Bis(2-ethylhexyl)phthalate	21.59	149	58118	8.85	ng	# 99

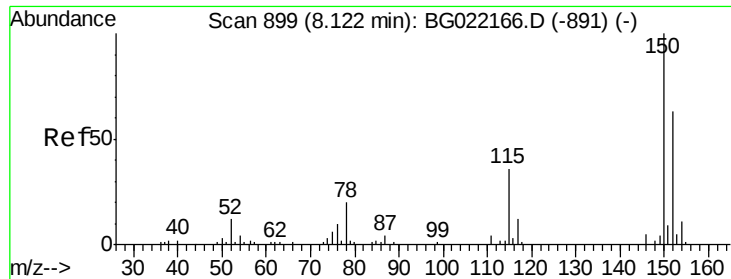
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 892

Delta R.T. -0.01 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Instrument :

BNA_G

ClientSampleId :

MW-24

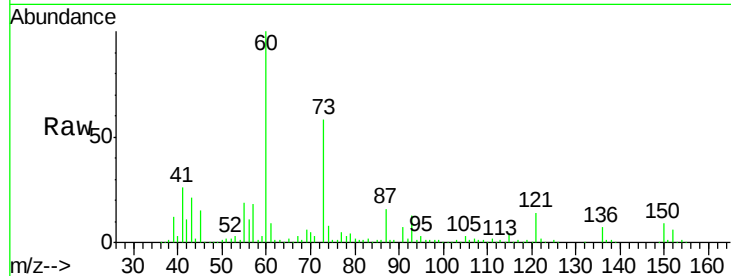
Tot Ion:152 Resp: 37988

Ion Ratio Lower Upper

152 100

150 145.8 130.1 195.1

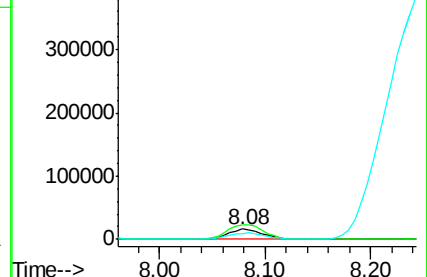
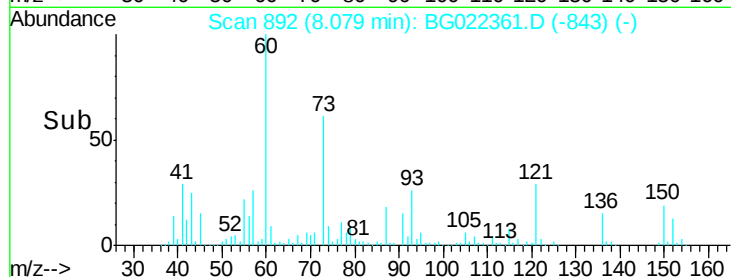
115 58.5 62.2 93.2#



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



#5

2-Fluorophenol

Concen: 57.74 ng

RT: 5.66 min Scan# 480

Delta R.T. 0.02 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

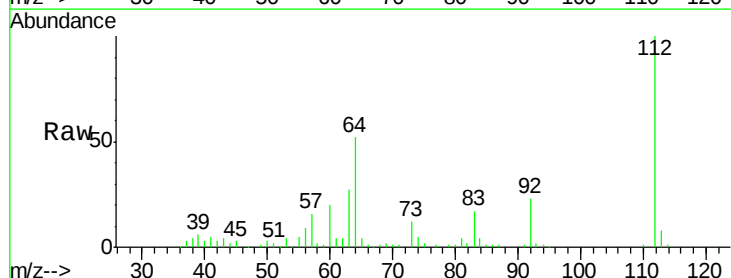
Tgt Ion:112 Resp: 113436

Ion Ratio Lower Upper

112 100

64 52.4 51.1 76.7

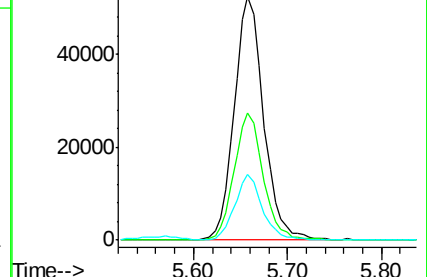
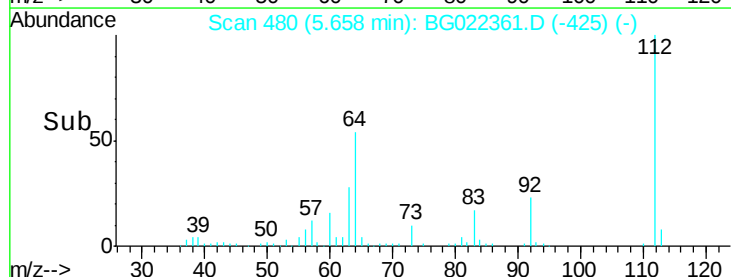
63 27.1 24.6 37.0

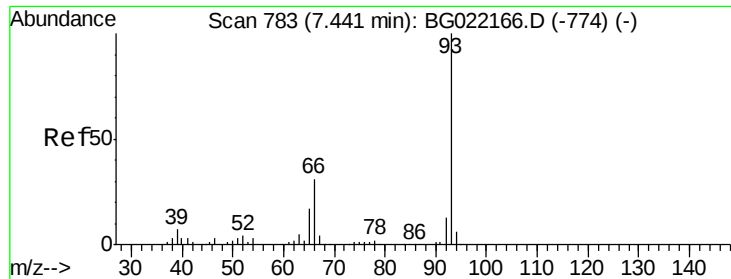


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 79.75 ng

RT: 7.51 min Scan# 795

Delta R.T. 0.10 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Instrument :

BNA_G

ClientSampled :

MW-24

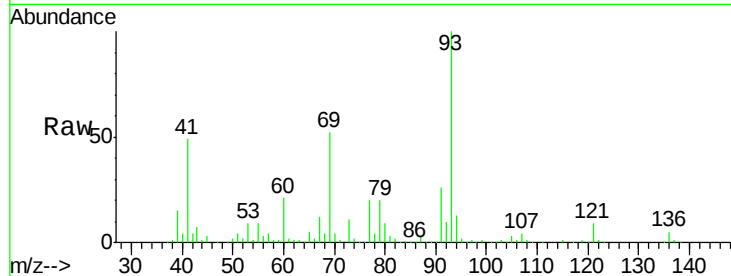
Tot Ion: 93 Resp: 312986

Ion Ratio Lower Upper

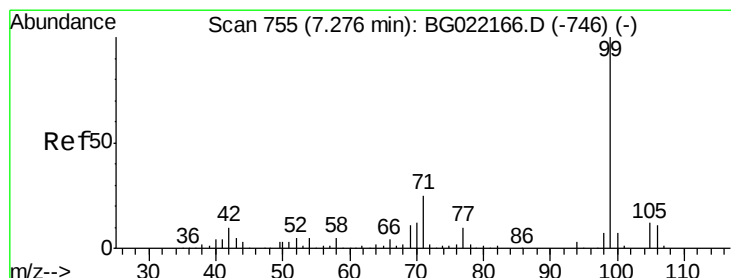
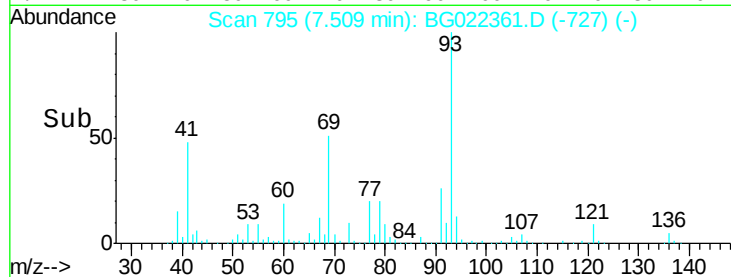
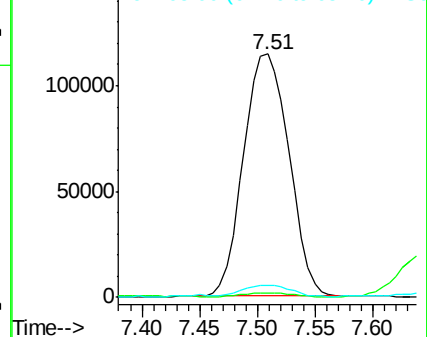
93 100

66 2.0 36.3 54.5#

65 4.9 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: 35.32 ng

RT: 7.33 min Scan# 765

Delta R.T. 0.08 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

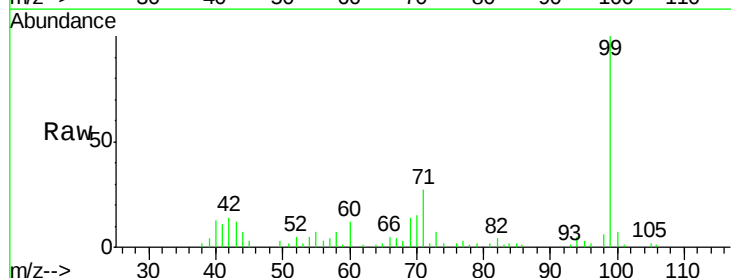
Tgt Ion: 99 Resp: 109112

Ion Ratio Lower Upper

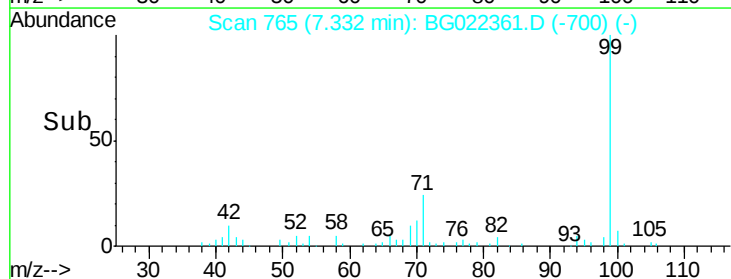
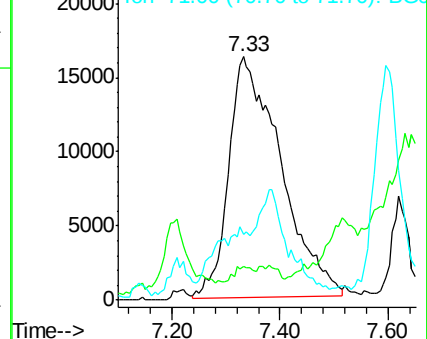
99 100

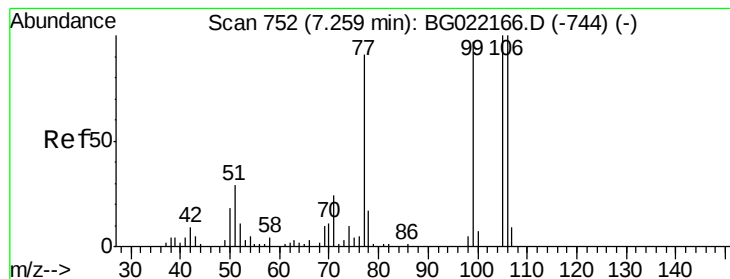
42 13.8 16.4 24.6#

71 26.8 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





#9

Benzaldehyde

Concen: 57.66 ng

RT: 7.21 min Scan# 745

Delta R.T. -0.01 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Instrument :

BNA_G

ClientSampleId :

MW-24

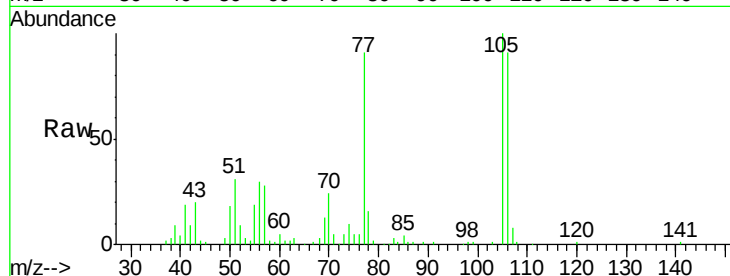
Tot Ion: 77 Resp: 98036

Ion Ratio Lower Upper

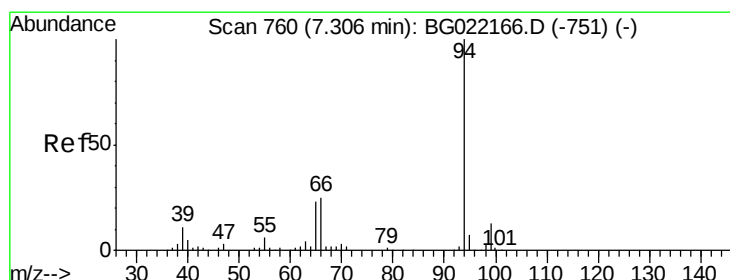
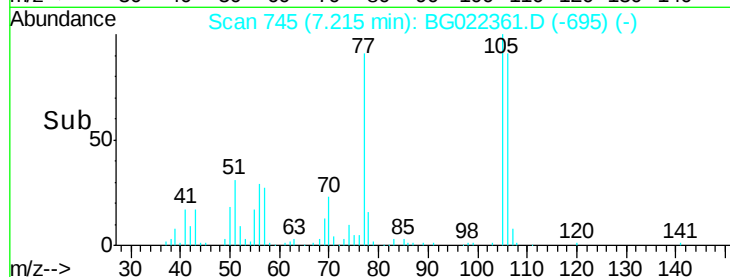
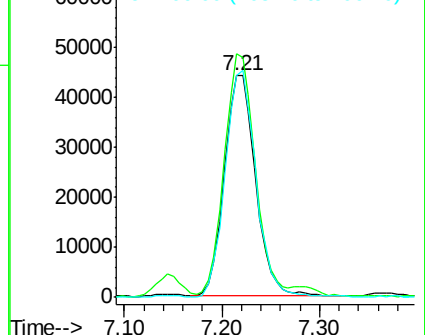
77 100

105 109.8 62.1 102.1#

106 100.1 65.6 105.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 2.57 ng

RT: 7.36 min Scan# 769

Delta R.T. 0.08 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

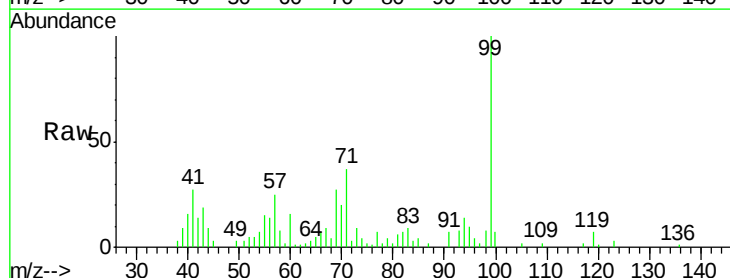
Tgt Ion: 94 Resp: 8178

Ion Ratio Lower Upper

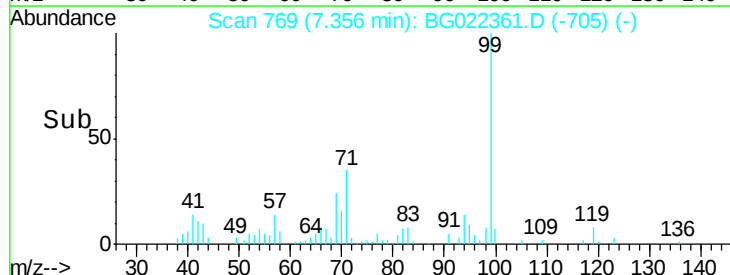
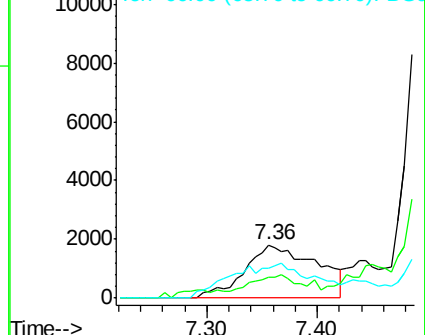
94 100

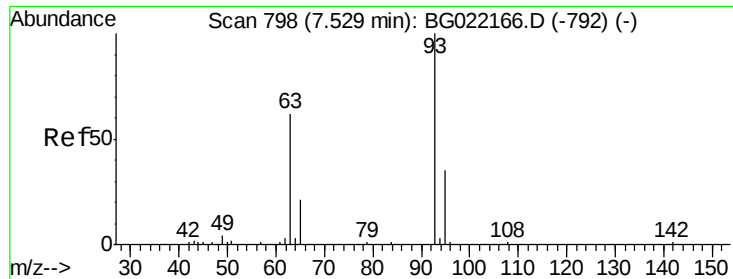
65 39.5 9.8 49.8

66 55.1 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

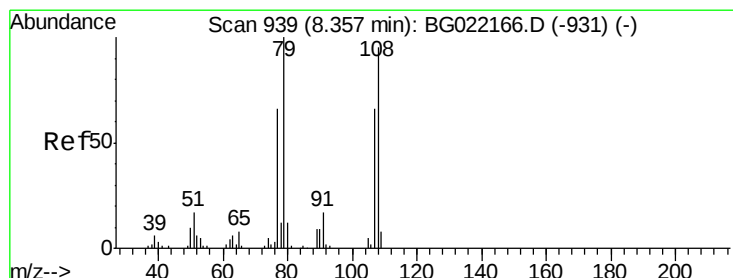
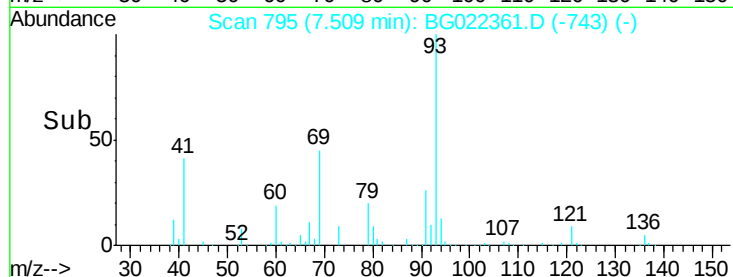
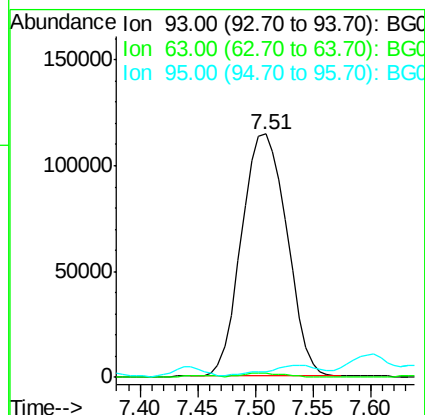
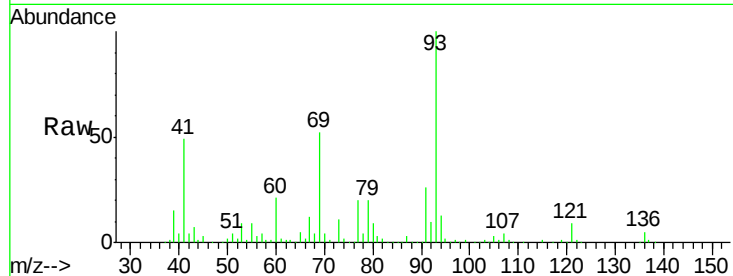




#11
bis(2-Chloroethyl)ether
Concen: 123.25 ng
RT: 7.51 min Scan# 795
Delta R.T. 0.01 min
Lab File: BG022361.D
Acq: 15 Jun 2016 9:23

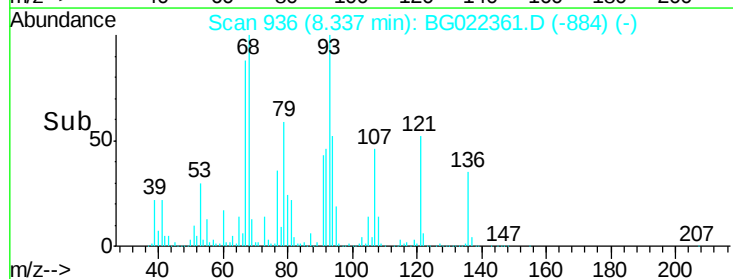
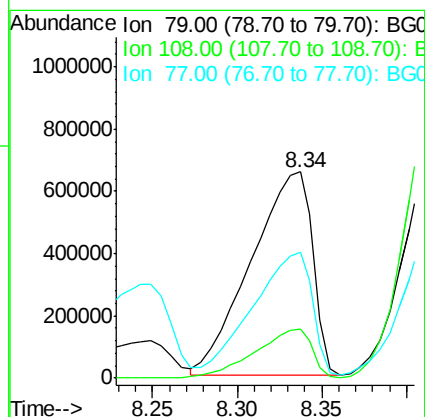
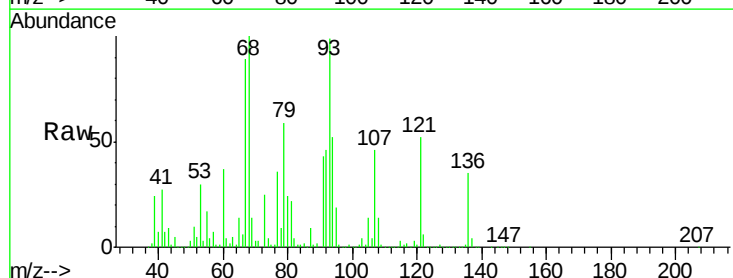
Instrument :
BNA_G
ClientSampleId :
MW-24

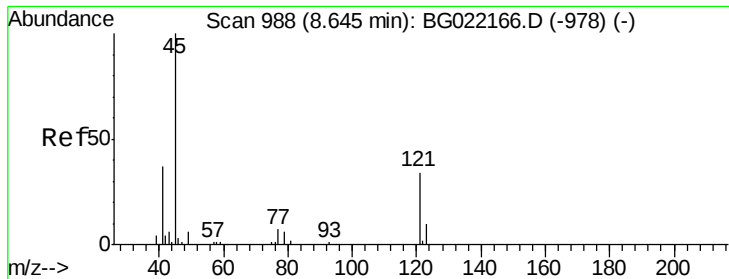
Tot Ion: 93 Resp: 312986
Ion Ratio Lower Upper
93 100
63 1.5 74.9 114.9#
95 2.4 8.3 48.3#



#15
Benzyl Alcohol
Concen: 829.82 ng
RT: 8.34 min Scan# 936
Delta R.T. 0.01 min
Lab File: BG022361.D
Acq: 15 Jun 2016 9:23

Tgt Ion: 79 Resp: 1656214
Ion Ratio Lower Upper
79 100
108 23.6 59.4 89.0#
77 61.3 52.2 78.2

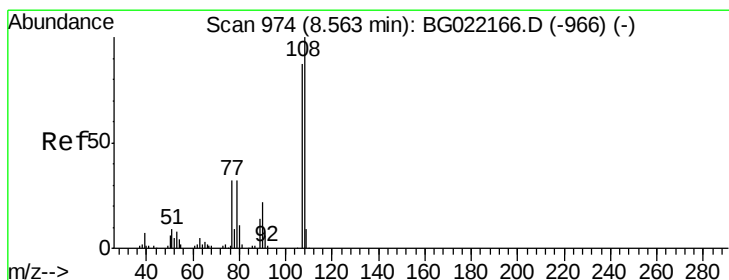
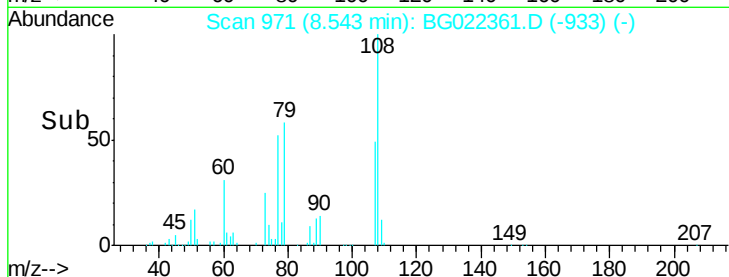
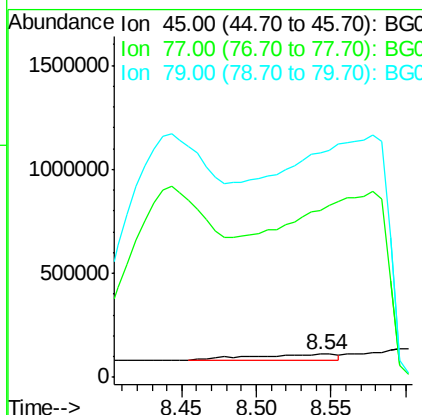
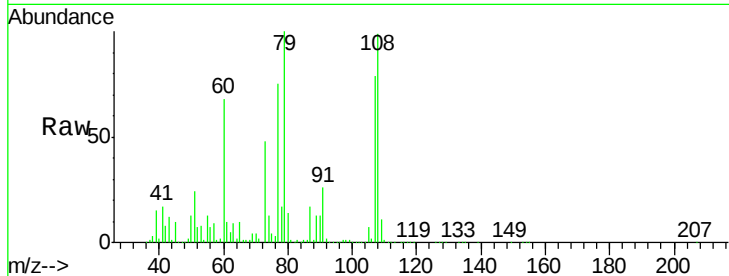




#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 39.40 ng
 RT: 8.54 min Scan# 971
 Delta R.T. -0.08 min
 Lab File: BG022361.D
 Acq: 15 Jun 2016 9:23

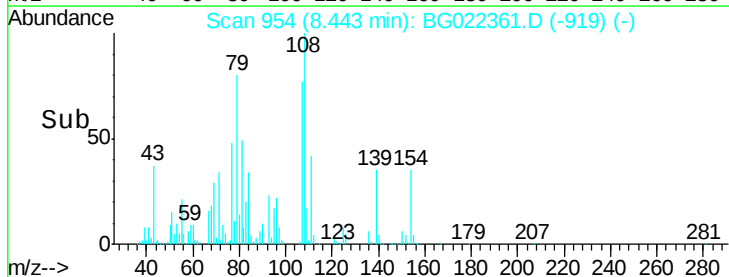
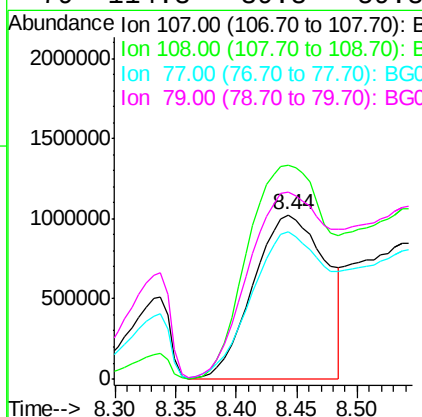
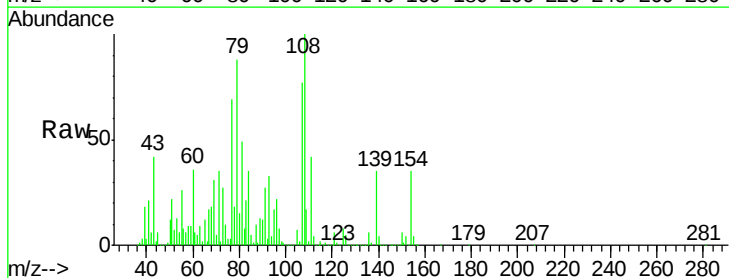
Instrument :
 BNA_G
 ClientSampled :
 MW-24

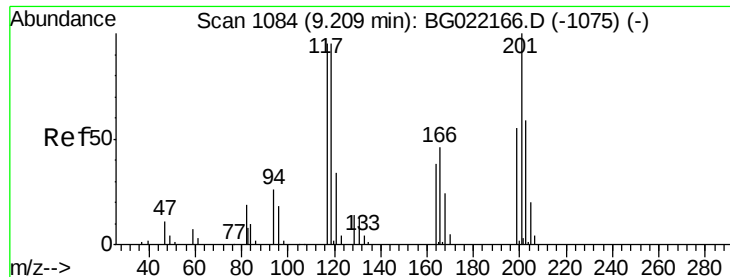
Tot Ion: 45 Resp: 103819
 Ion Ratio Lower Upper
 45 100
 77 720.5 0.0 31.2#
 79 966.0 0.0 29.0#



#17
 2-Methylphenol
 Concen: 1790.80 ng
 RT: 8.44 min Scan# 954
 Delta R.T. -0.09 min
 Lab File: BG022361.D
 Acq: 15 Jun 2016 9:23

Tgt Ion: 107 Resp: 4256181
 Ion Ratio Lower Upper
 107 100
 108 130.2 80.2 120.4#
 77 89.6 40.7 61.1#
 79 114.3 39.8 59.8#





#18

Hexachloroethane

Concen: 67.71 ng

RT: 9.22 min Scan# 1087

Delta R.T. 0.05 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Instrument :

BNA_G

ClientSampled :

MW-24

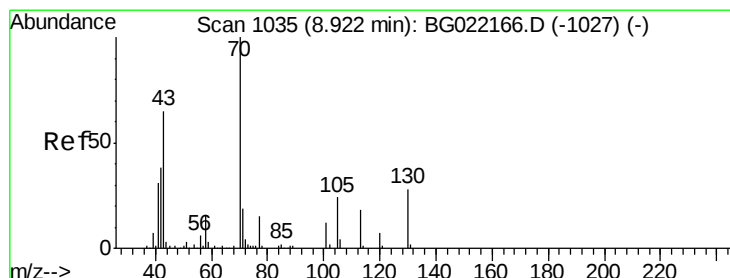
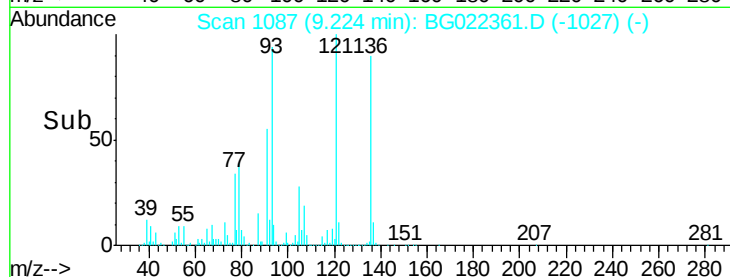
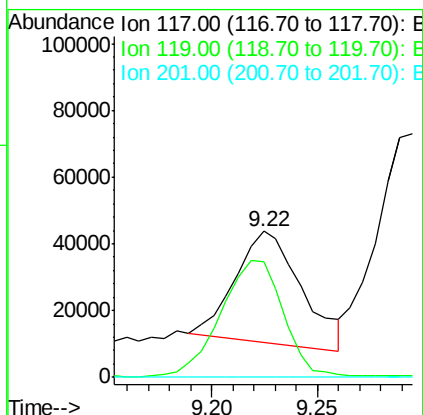
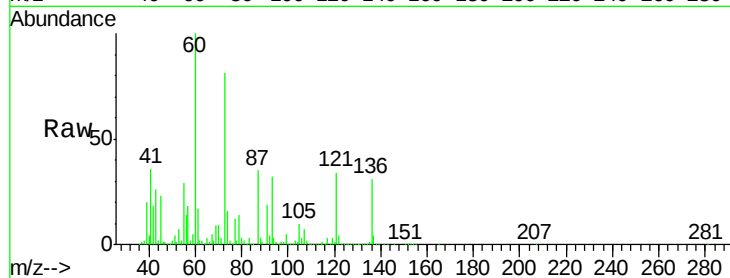
Tot Ion:117 Resp: 71706

Ion Ratio Lower Upper

117 100

119 79.6 63.9 95.9

201 0.0 61.2 91.8#



#19

n-Nitroso-di-n-propylamine

Concen: 32.21 ng

RT: 8.92 min Scan# 1036

Delta R.T. 0.03 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Tgt Ion: 70 Resp: 67361

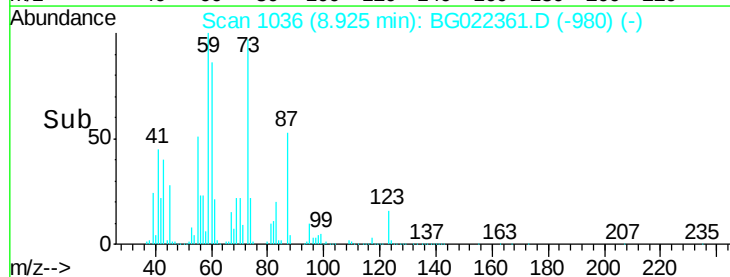
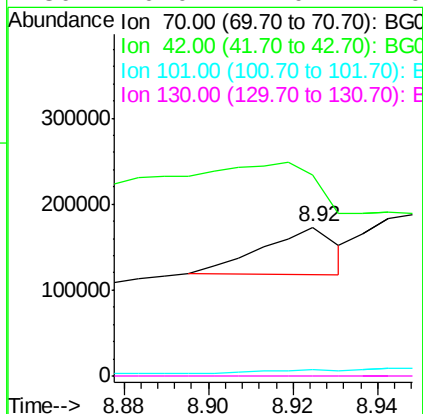
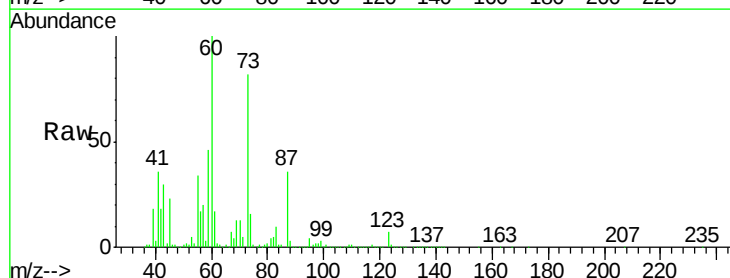
Ion Ratio Lower Upper

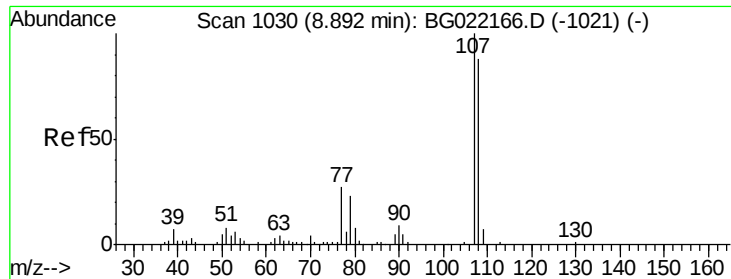
70 100

42 135.0 56.7 85.1#

101 3.9 8.2 12.4#

130 0.0 14.0 21.0#





#20

3+4-Methylphenols

Concen: 12.19 ng

RT: 8.75 min Scan# 1007

Delta R.T. -0.12 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Instrument :

BNA_G

ClientSampled :

MW-24

Tot Ion:107 Resp: 41561

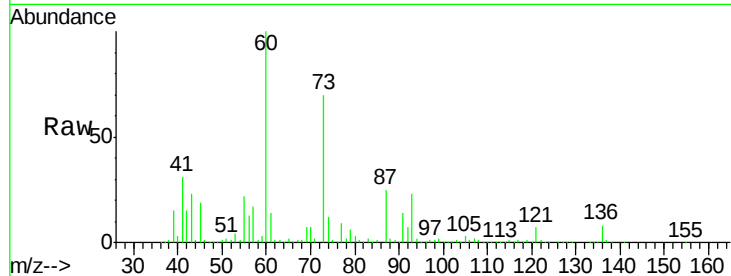
Ion Ratio Lower Upper

107 100

108 30.9 66.2 106.2#

77 380.3 11.5 51.5#

79 251.4 5.6 45.6#



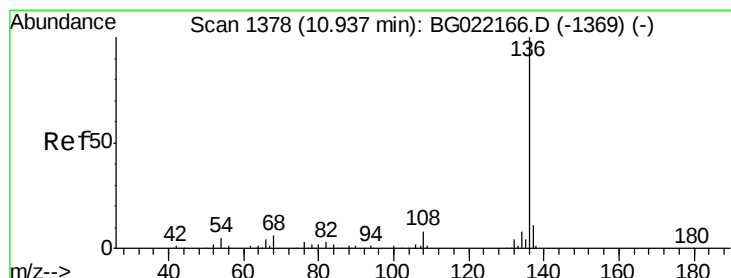
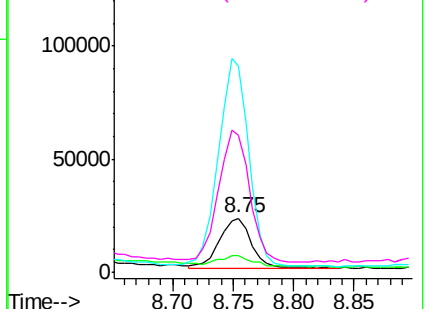
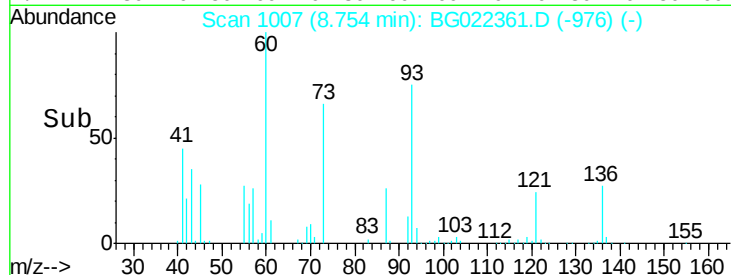
Abundance

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): BG

Ion 79.00 (78.70 to 79.70): BG



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.92 min Scan# 1375

Delta R.T. 0.01 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Tgt Ion:136 Resp: 222120

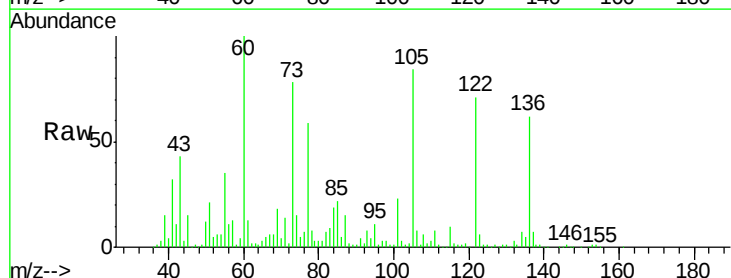
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 8.9 9.6 14.4#

68 10.2 6.4 9.6#



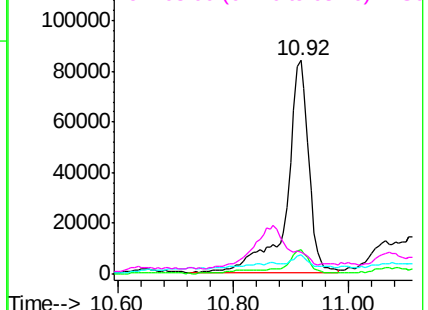
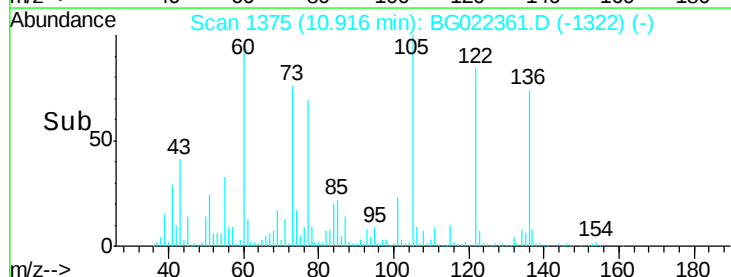
Abundance

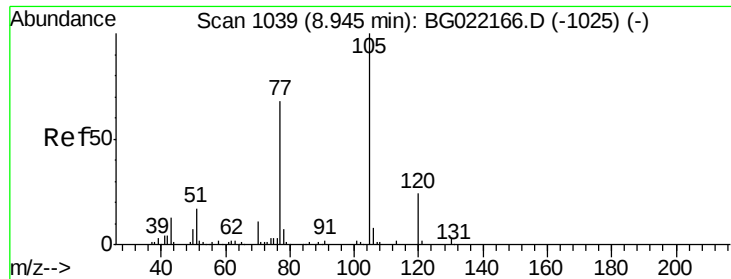
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG





#22

Acetophenone

Concen: 2.18 ng

RT: 8.95 min Scan# 1041

Delta R.T. 0.04 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Instrument :

BNA_G

ClientSampleId :

MW-24

Tot Ion:105 Resp: 10449

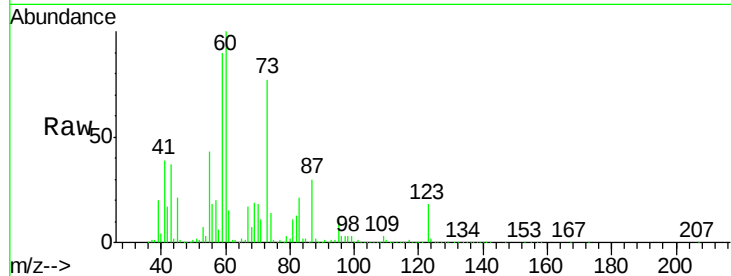
Ion Ratio Lower Upper

105 100

71 2465.2 0.0 0.0#

51 580.8 25.7 38.5#

120 22.6 17.0 25.6

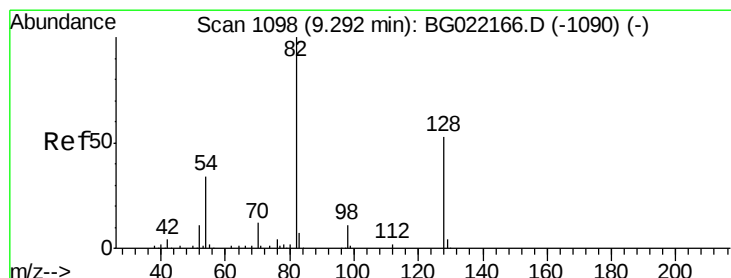
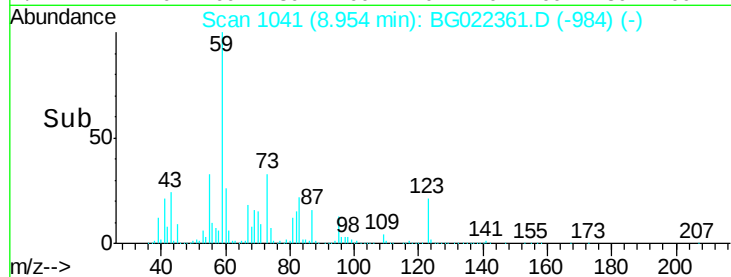
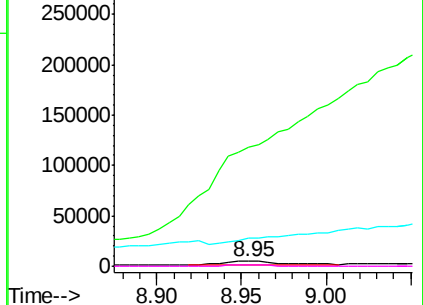


Abundance Ion 105.00 (104.70 to 105.70): E

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: 57.89 ng

RT: 9.29 min Scan# 1098

Delta R.T. 0.03 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

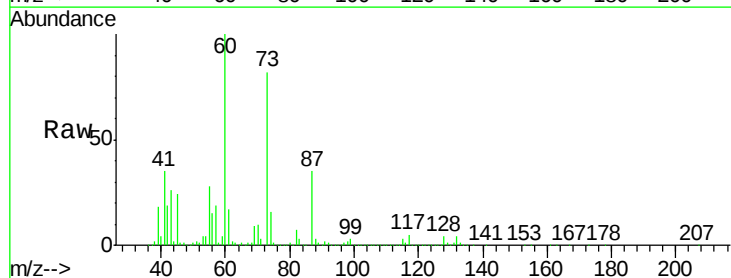
Tgt Ion: 82 Resp: 184438

Ion Ratio Lower Upper

82 100

128 58.9 33.4 50.0#

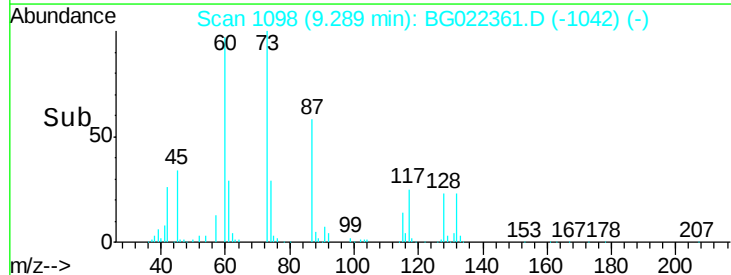
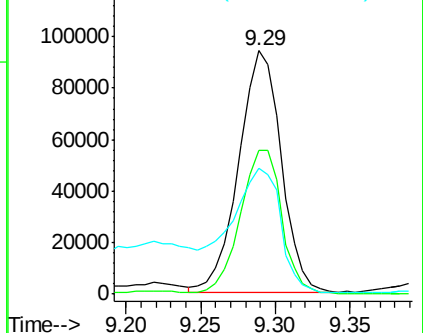
54 51.7 46.1 69.1

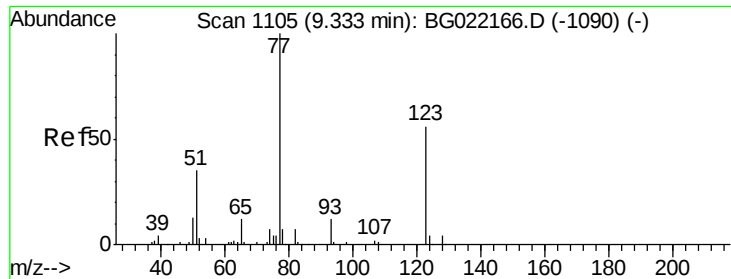


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

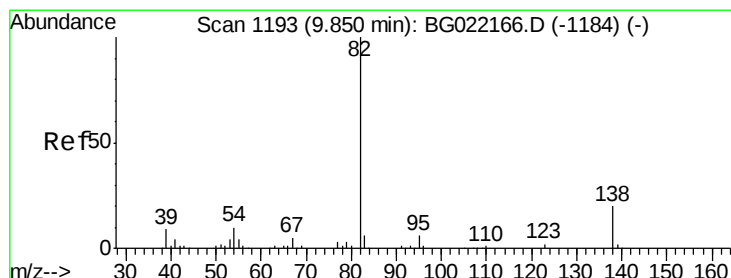
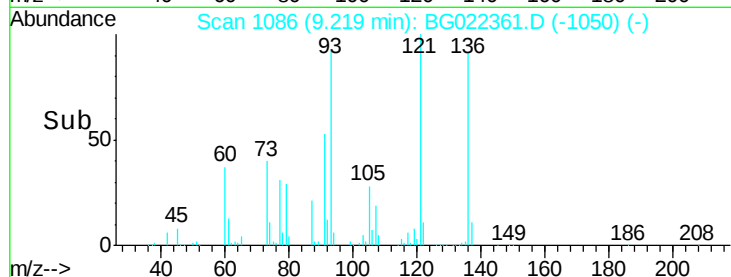
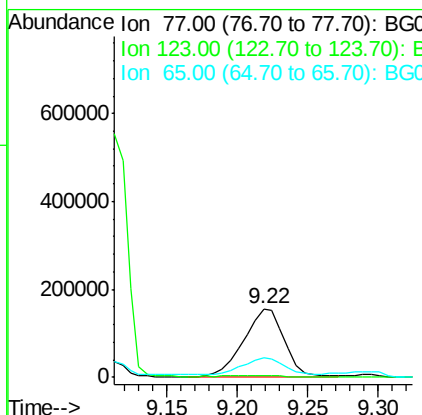
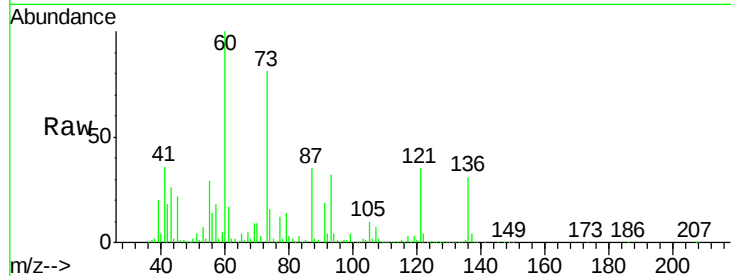




#24
 Nitrobenzene
 Concen: 96.19 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.09 min
 Lab File: BG022361.D
 Acq: 15 Jun 2016 9:23

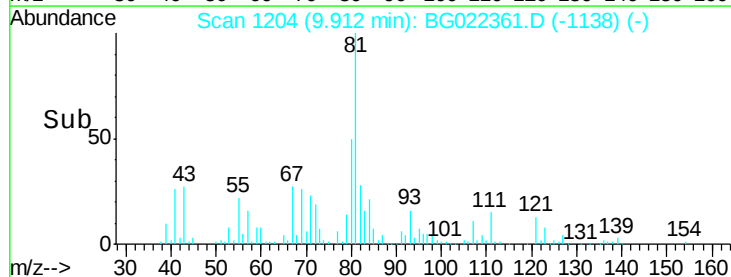
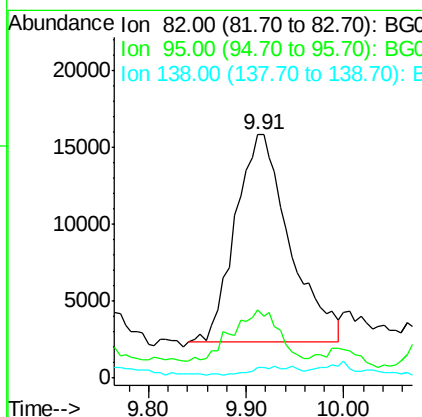
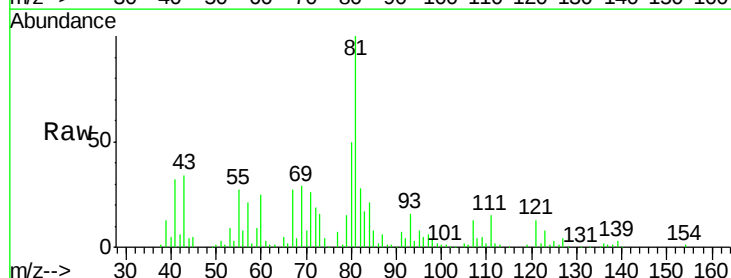
Instrument :
 BNA_G
 ClientSampled :
 MW-24

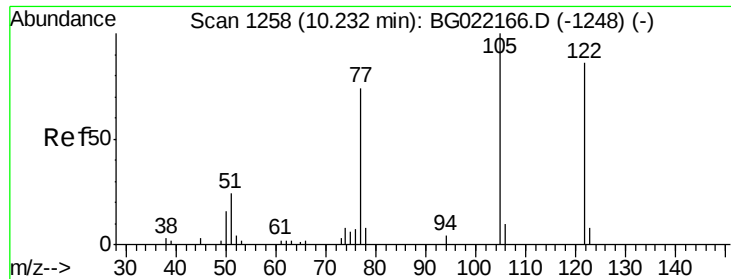
Tot Ion	Ratio	Lower	Upper
77	100		
123	2.9	32.2	48.4#
65	28.9	10.3	15.5#



#25
 Isophorone
 Concen: 7.01 ng
 RT: 9.91 min Scan# 1204
 Delta R.T. 0.09 min
 Lab File: BG022361.D
 Acq: 15 Jun 2016 9:23

Tgt Ion	Ratio	Lower	Upper
82	100		
95	27.8	6.0	9.0#
138	4.2	13.4	20.0#





#32

Benzoic acid

Concen: 7.62 ng

RT: 10.21 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Instrument :

BNA_G

ClientSampleId :

MW-24

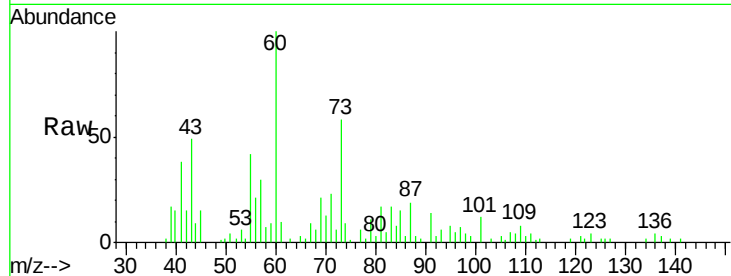
Tot Ion:122 Resp: 340

Ion Ratio Lower Upper

122 100

105 188.0 104.5 144.5#

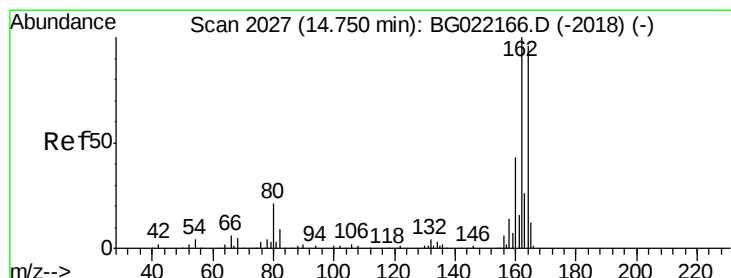
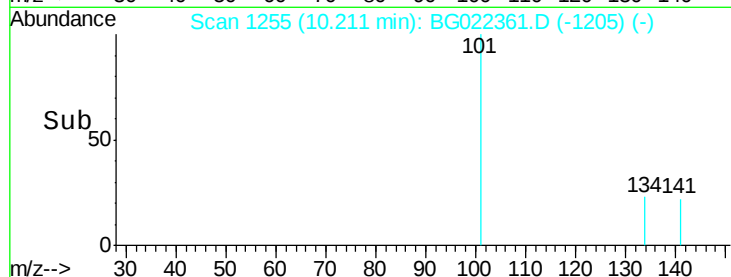
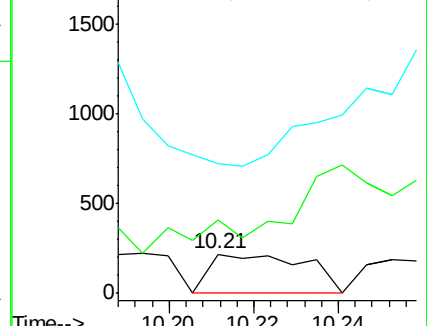
77 333.8 79.9 119.9#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.74 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

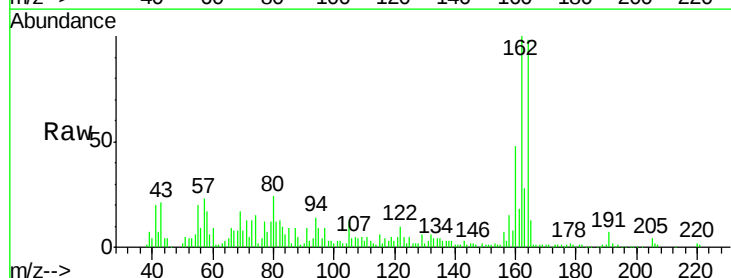
Tgt Ion:164 Resp: 92425

Ion Ratio Lower Upper

164 100

162 102.4 78.0 117.0

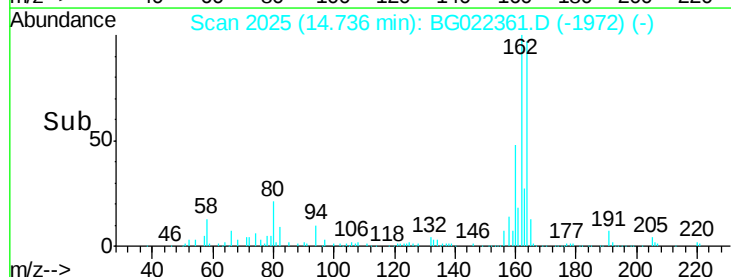
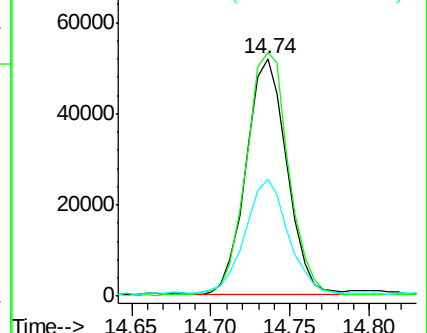
160 49.4 32.9 49.3#

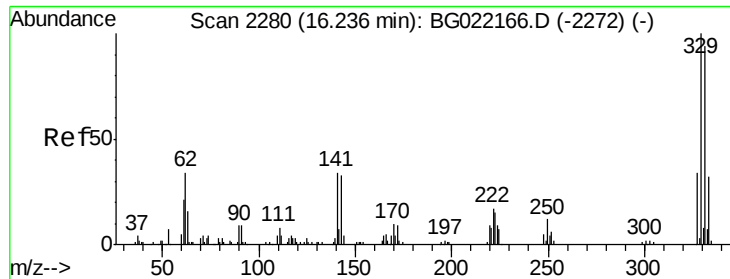


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

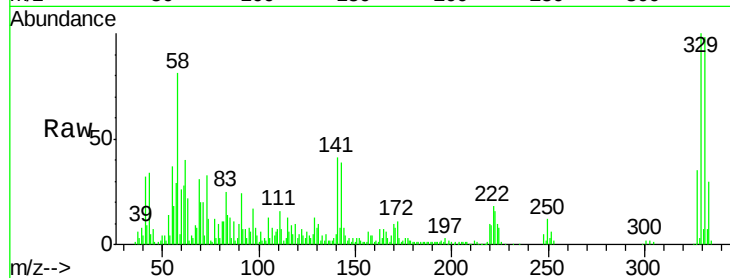




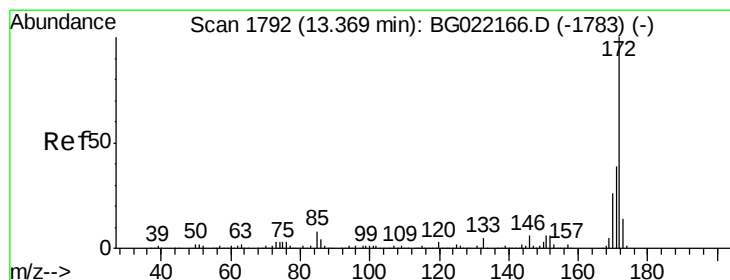
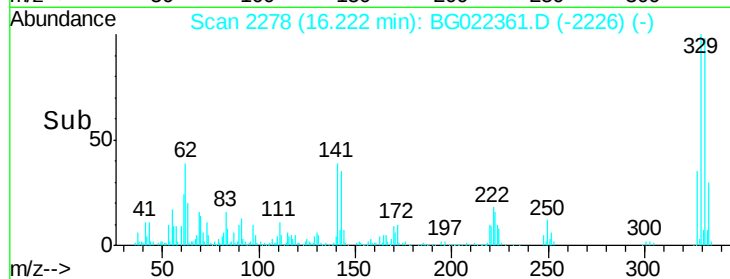
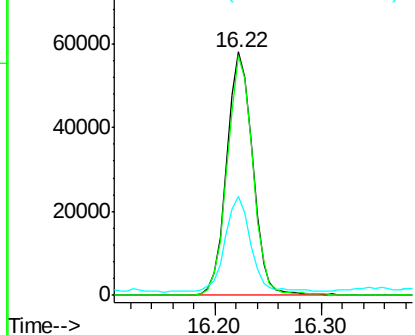
#41
 2,4,6-Tribromophenol
 Concen: 94.49 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BG022361.D
 Acq: 15 Jun 2016 9:23

Instrument :
 BNA_G
 ClientSampleId :
 MW-24

Tot Ion	330	Ratio	Lower	Upper
330	100			
332	97.0	78.0	117.0	
141	37.5	33.8	50.8	

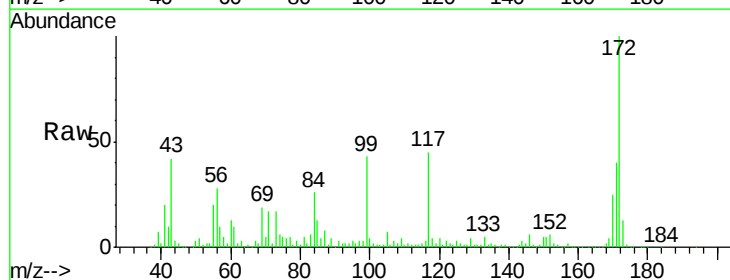


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

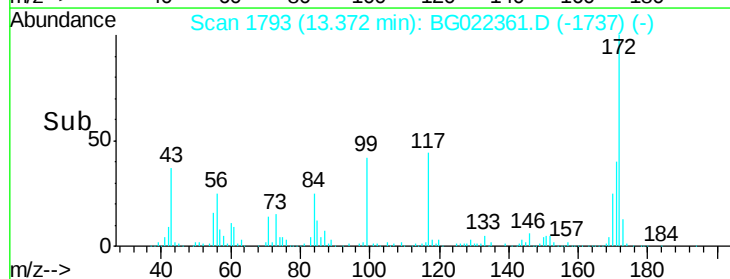
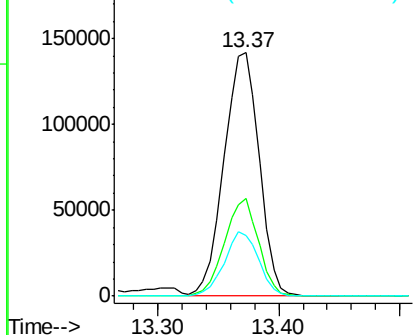


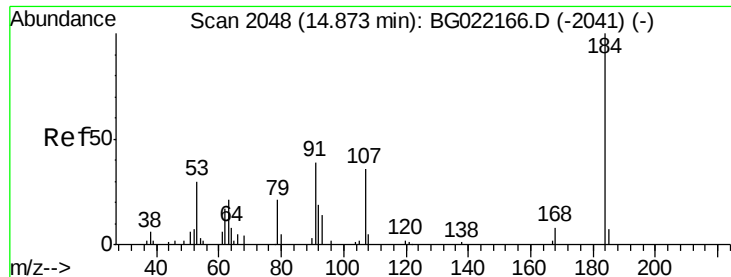
#44
 2-Fluorobiphenyl
 Concen: 47.27 ng
 RT: 13.37 min Scan# 1793
 Delta R.T. 0.03 min
 Lab File: BG022361.D
 Acq: 15 Jun 2016 9:23

Tgt Ion	172	Ratio	Lower	Upper
172	100			
171	40.1	27.8	41.6	
170	24.9	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

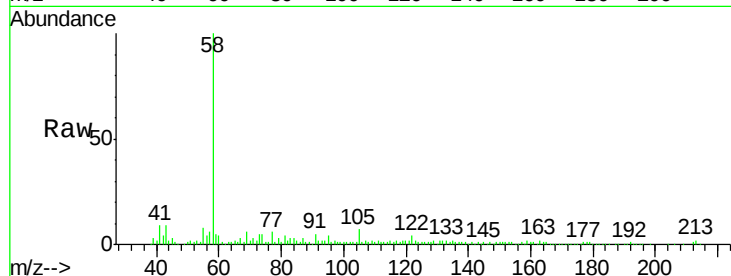




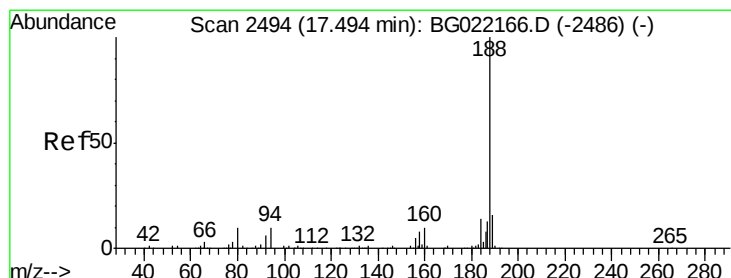
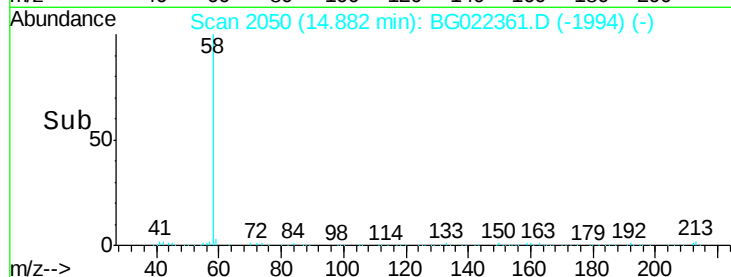
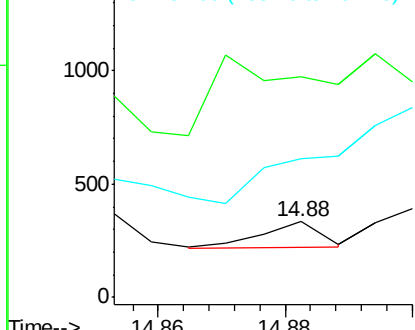
#53
2,4-Dinitrophenol
Concen: 11.02 ng
RT: 14.88 min Scan# 2050
Delta R.T. 0.03 min
Lab File: BG022361.D
Acq: 15 Jun 2016 9:23

Instrument :
BNA_G
ClientSampled :
MW-24

Tot Ion	Ratio	Lower	Upper
184	100		
63	290.4	57.3	85.9#
154	183.6	55.2	82.8#

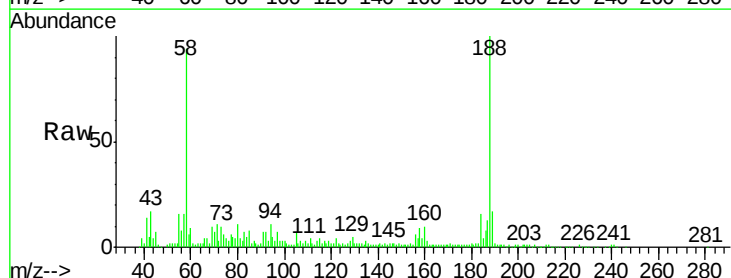


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

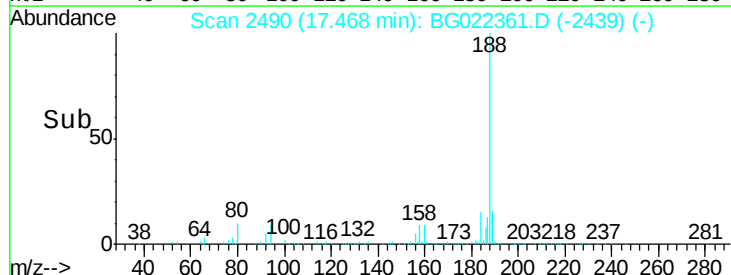
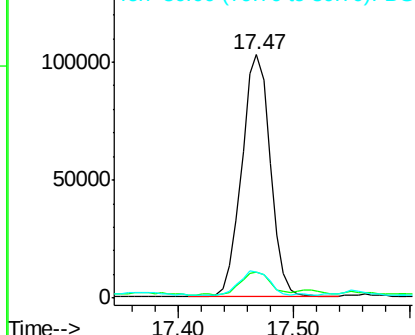


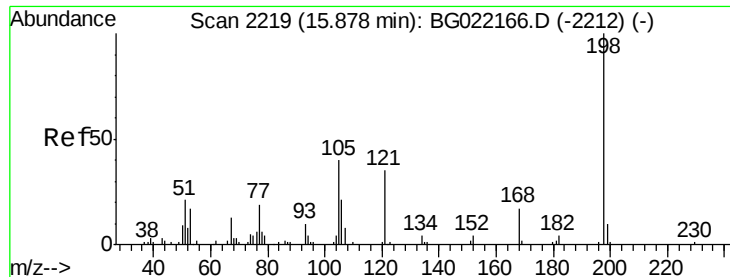
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.47 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BG022361.D
Acq: 15 Jun 2016 9:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.5	11.3
80	10.9	8.6	13.0



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG





#64

4,6-Dinitro-2-methylphenol

Concen: 5.77 ng

RT: 15.85 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Instrument :

BNA_G

ClientSampleId :

MW-24

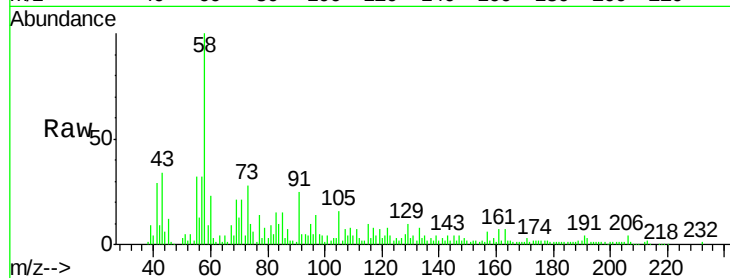
Tot Ion:198 Resp: 298

Ion Ratio Lower Upper

198 100

51 521.4 29.2 69.2#

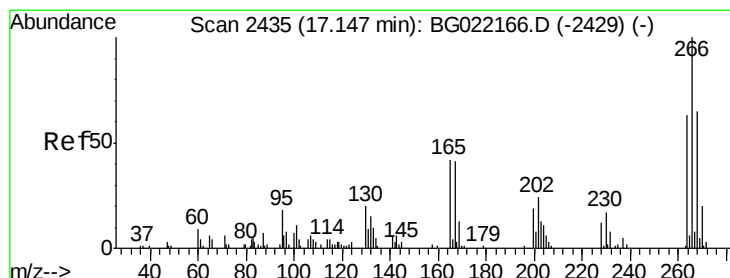
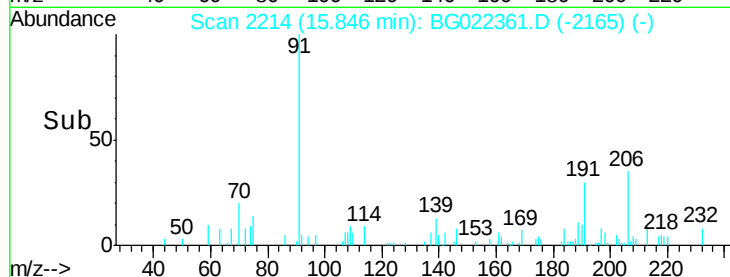
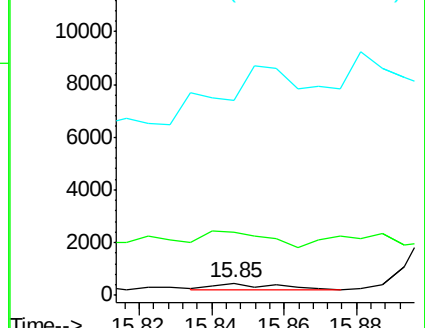
105 1613.3 24.0 64.0#



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: 6.85 ng

RT: 17.13 min Scan# 2432

Delta R.T. 0.01 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

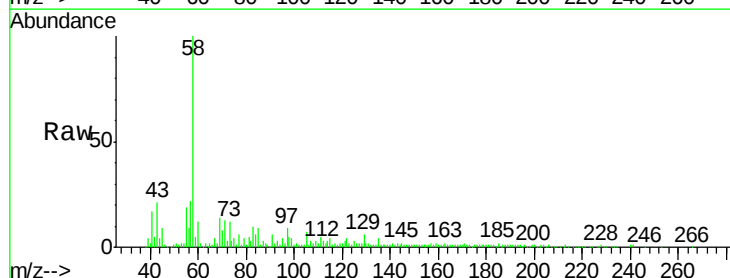
Tgt Ion:266 Resp: 72

Ion Ratio Lower Upper

266 100

268 0.0 54.5 81.7#

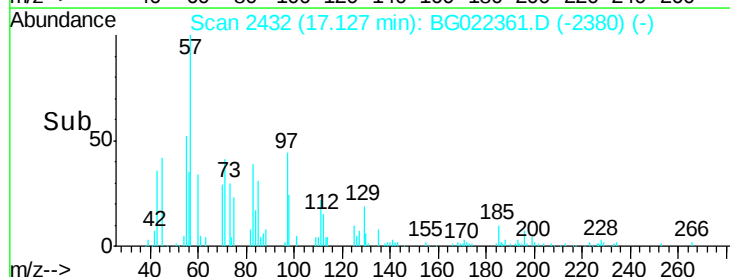
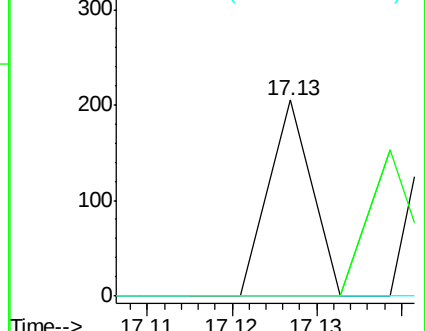
264 0.0 53.8 80.6#

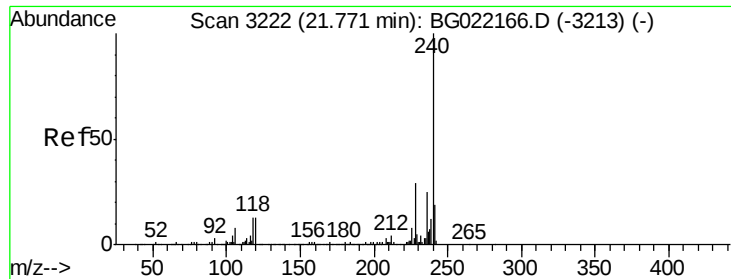


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

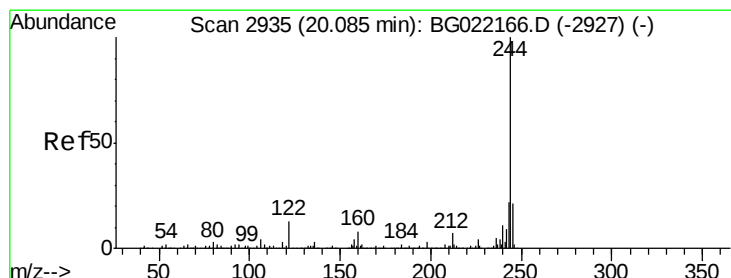
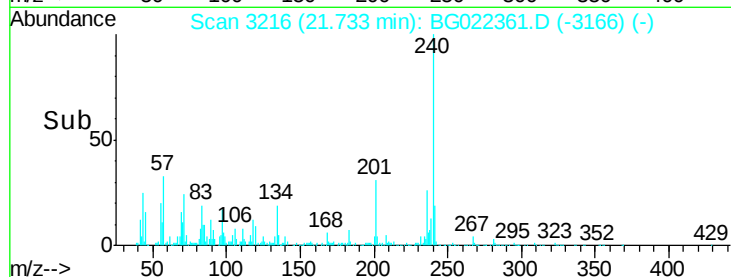
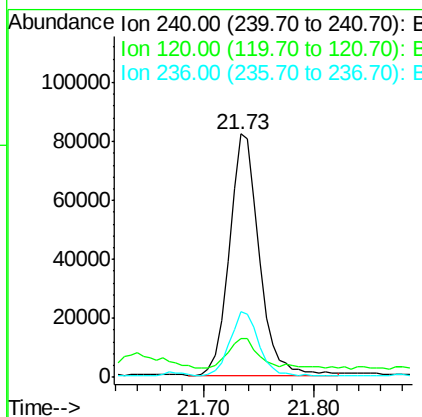
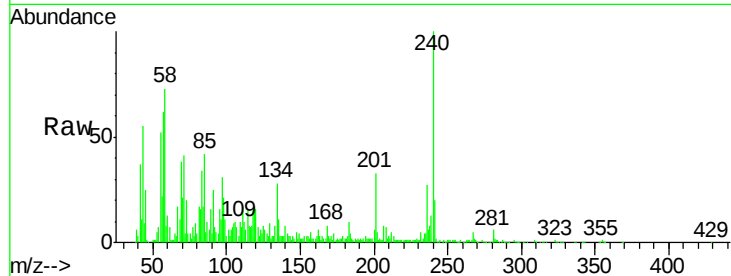




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.73 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG022361.D
Acq: 15 Jun 2016 9:23

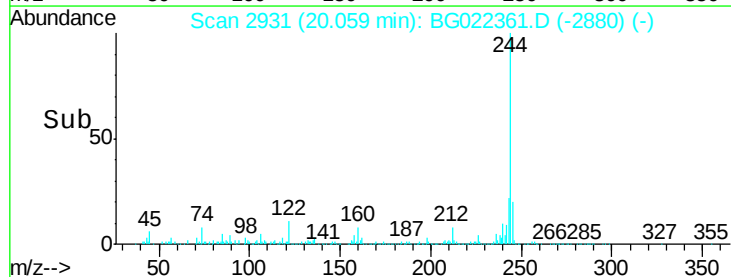
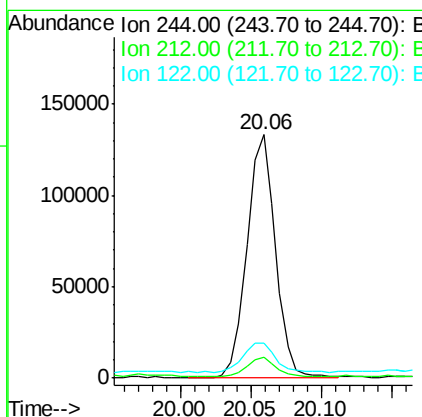
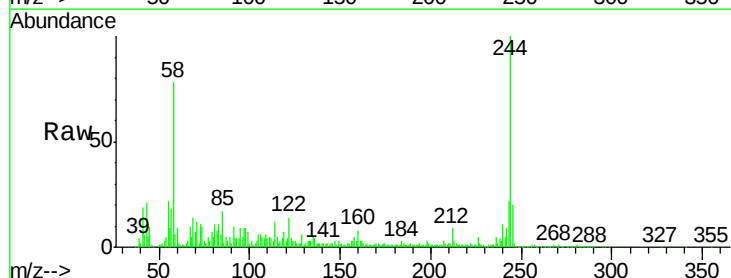
Instrument :
BNA_G
ClientSampled :
MW-24

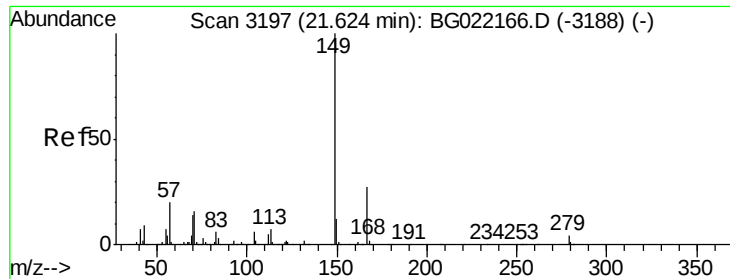
Tot Ion:240 Resp: 154910
Ion Ratio Lower Upper
240 100
120 15.9 8.4 12.6#
236 26.8 19.6 29.4



#78
Terphenyl-d14
Concen: 28.84 ng
RT: 20.06 min Scan# 2931
Delta R.T. -0.00 min
Lab File: BG022361.D
Acq: 15 Jun 2016 9:23

Tgt Ion:244 Resp: 188169
Ion Ratio Lower Upper
244 100
212 8.6 6.5 9.7
122 14.3 8.6 12.8#





#83

Bis(2-ethylhexyl)phthalate

Concen: 8.85 ng

RT: 21.59 min Scan# 3192

Delta R.T. -0.00 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

Instrument :

BNA_G

ClientSampleId :

MW-24

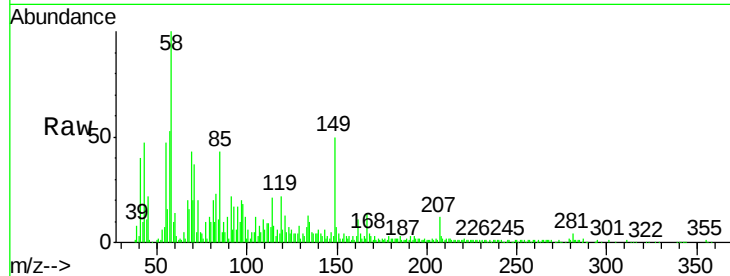
Tot Ion:149 Resp: 58118

Ion Ratio Lower Upper

149 100

167 27.3 22.4 33.6

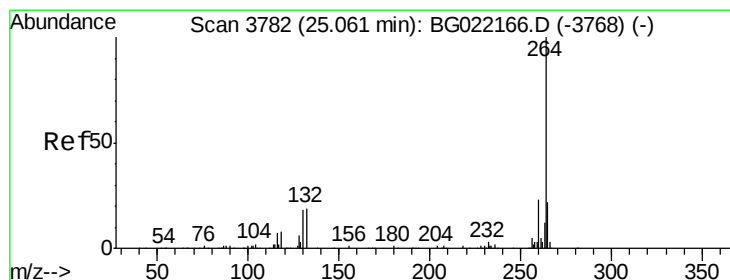
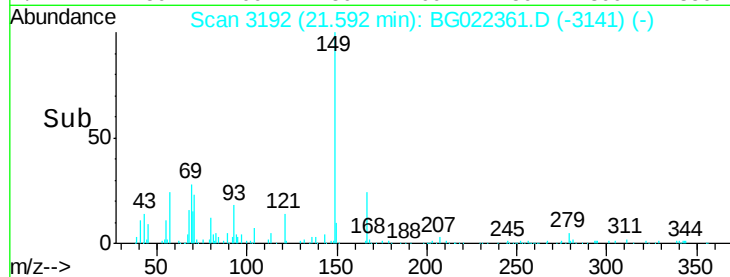
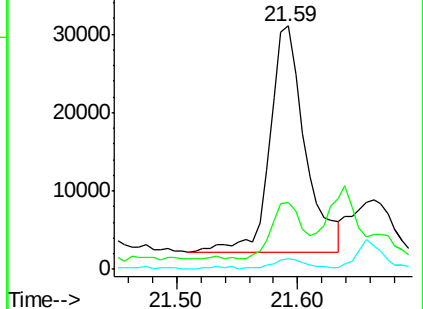
279 4.2 3.2 4.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.02 min Scan# 3775

Delta R.T. 0.01 min

Lab File: BG022361.D

Acq: 15 Jun 2016 9:23

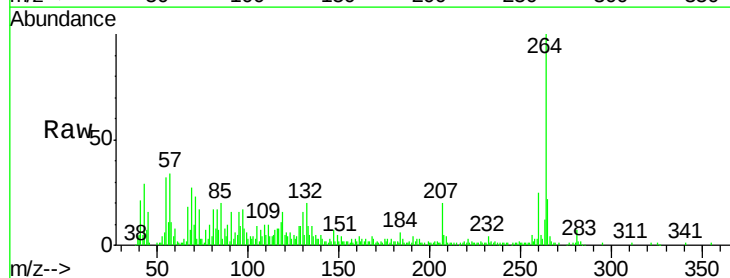
Tgt Ion:264 Resp: 142873

Ion Ratio Lower Upper

264 100

260 24.7 20.2 30.4

265 22.1 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

