

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 14:11:54 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

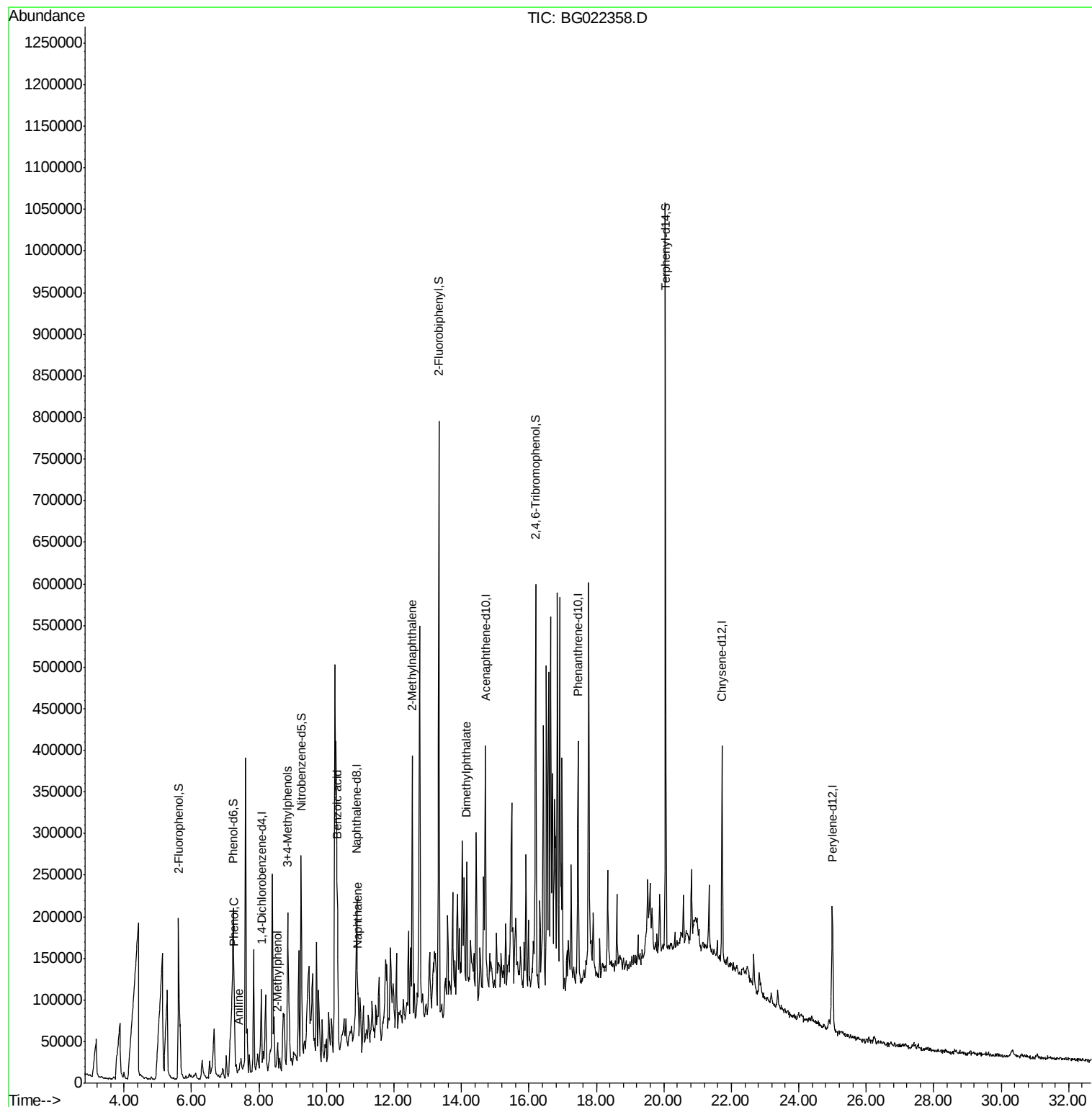
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	30568	20.00	ng	-0.02
21) Naphthalene-d8	10.89	136	164846	20.00	ng	-0.02
38) Acenaphthene-d10	14.71	164	98637	20.00	ng	-0.02
63) Phenanthrene-d10	17.46	188	190600	20.00	ng	-0.01
75) Chrysene-d12	21.73	240	165062	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
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
20) 3+4-Methylphenols	8.85	107	100354	36.58	ng	90
31) Naphthalene	10.94	128	28799	3.50	ng	# 84
32) Benzoic acid	10.32	122	120858	101.15	ng	# 83
37) 2-Methylnaphthalene	12.54	142	185891	30.60	ng	95
49) Dimethylphthalate	14.15	163	109670	13.41	ng	97

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

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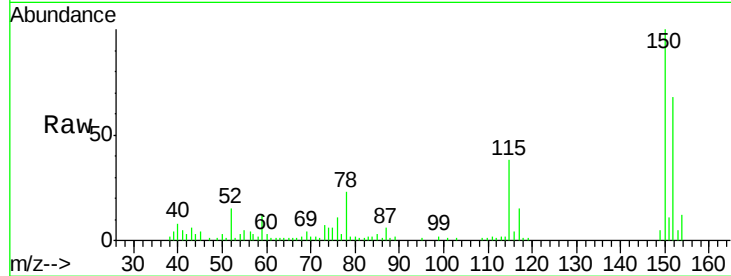


#1

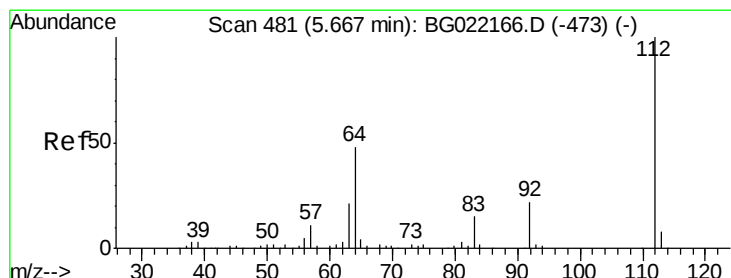
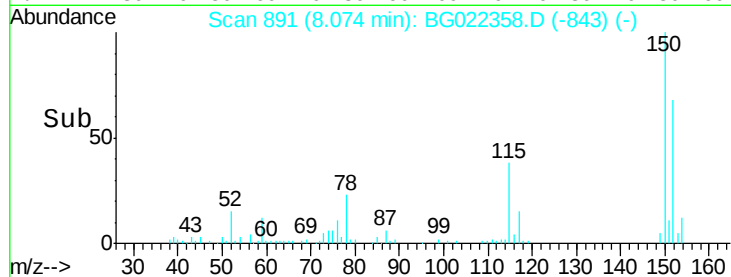
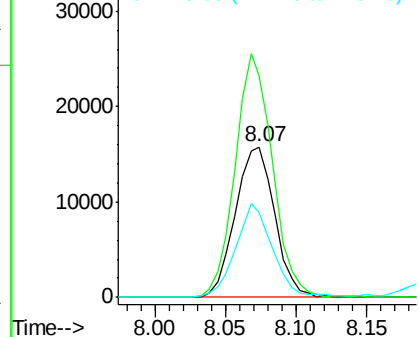
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.07 min Scan# 891
 Delta R.T. -0.02 min
 Lab File: BG022358.D
 Acq: 15 Jun 2016 7:23

Instrument :
 BNA_G
 ClientSampleId :
 MW-11

Tot Ion:152 Resp: 30568
 Ion Ratio Lower Upper
 152 100
 150 147.0 130.1 195.1
 115 56.0 62.2 93.2#



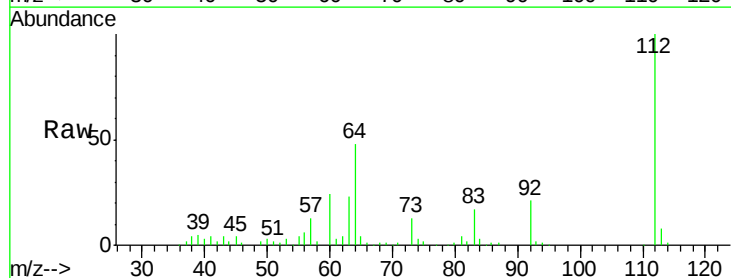
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



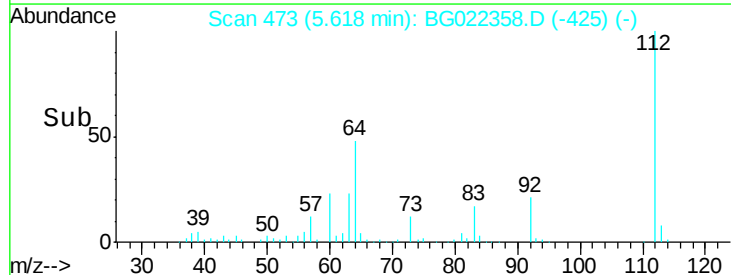
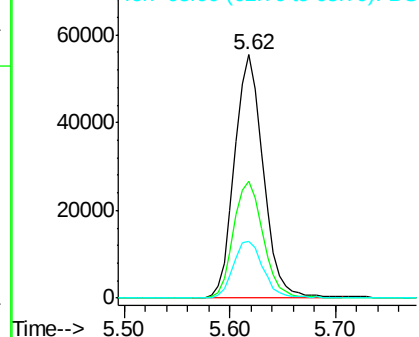
#5

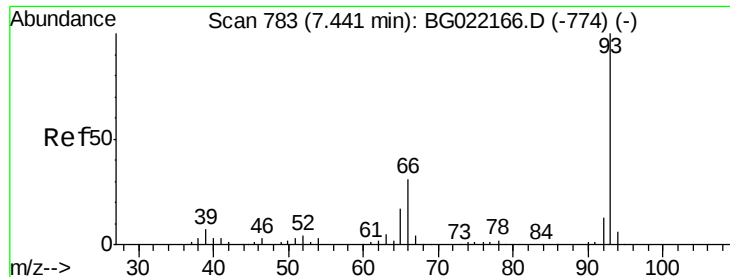
2-Fluorophenol
 Concen: 66.16 ng
 RT: 5.62 min Scan# 473
 Delta R.T. -0.02 min
 Lab File: BG022358.D
 Acq: 15 Jun 2016 7:23

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): E
 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

Instrument :

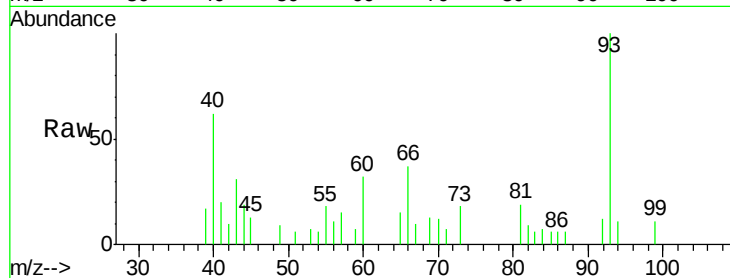
BNA_G

ClientSampled :

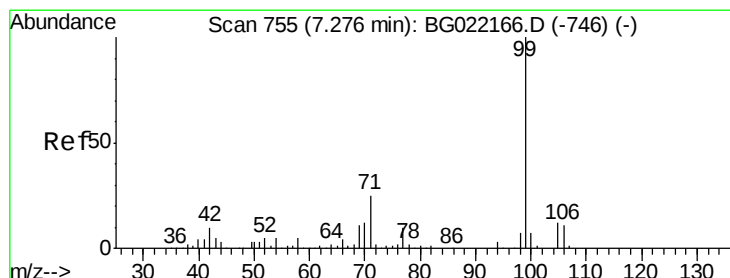
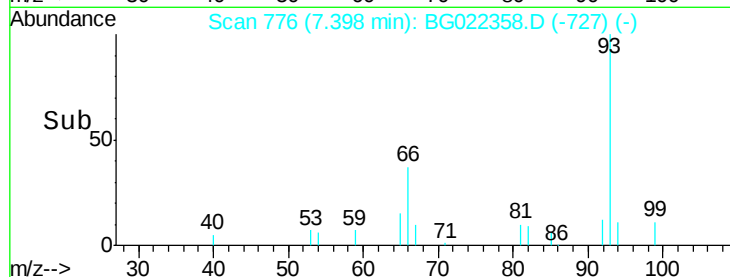
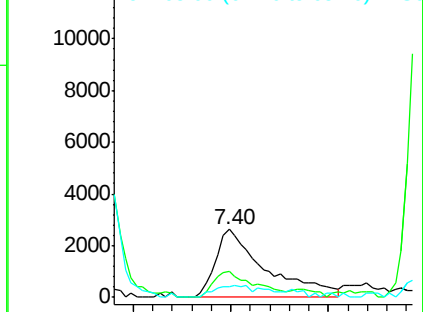
MW-11

Tot 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

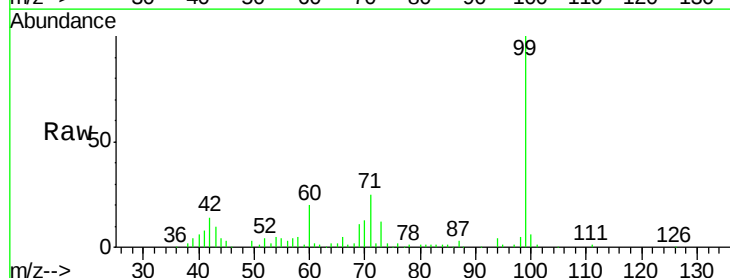
Delta R.T. -0.01 min

Lab File: BG022358.D

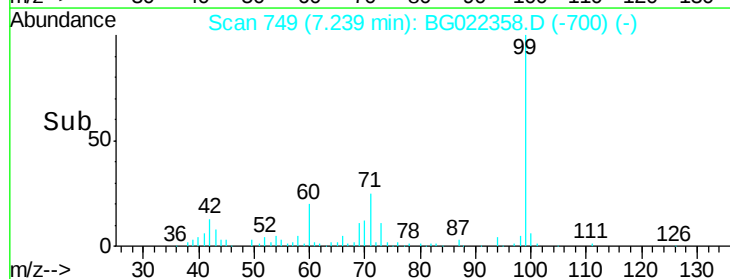
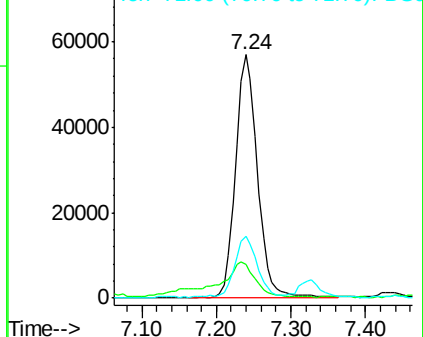
Acq: 15 Jun 2016 7:23

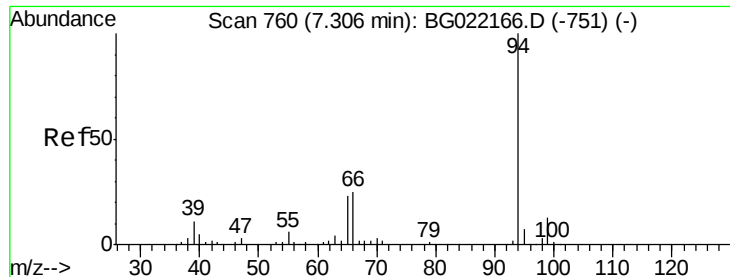
Tgt Ion: 99 Resp: 116701

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

Instrument :

BNA_G

ClientSampleId :

MW-11

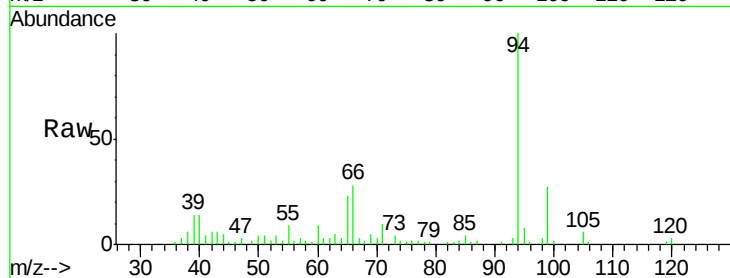
Tot Ion: 94 Resp: 52273

Ion Ratio Lower Upper

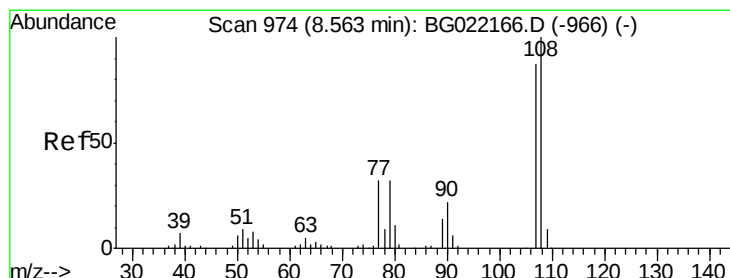
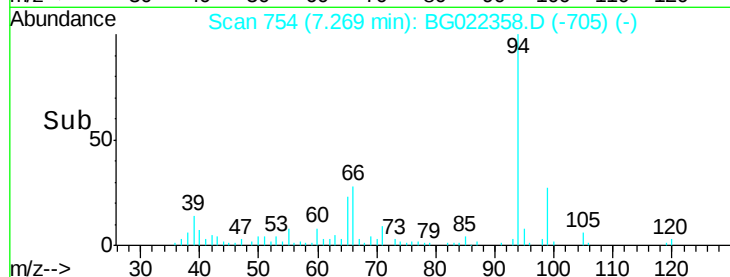
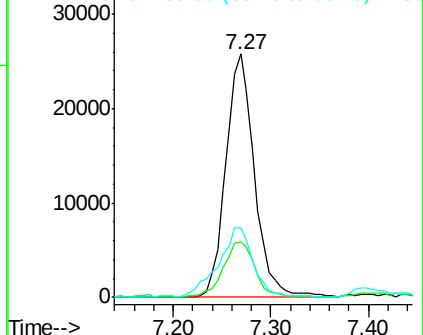
94 100

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

Tgt Ion: 107 Resp: 5274

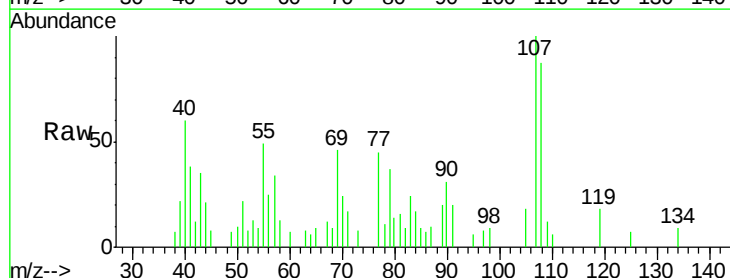
Ion Ratio Lower Upper

107 100

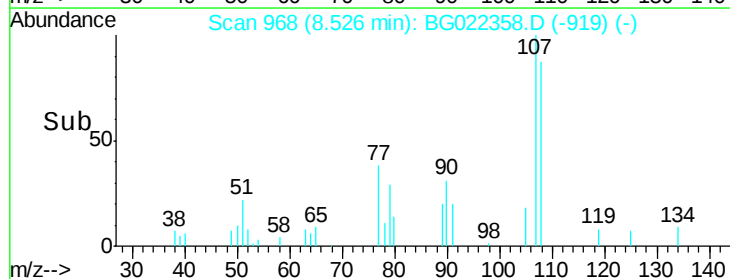
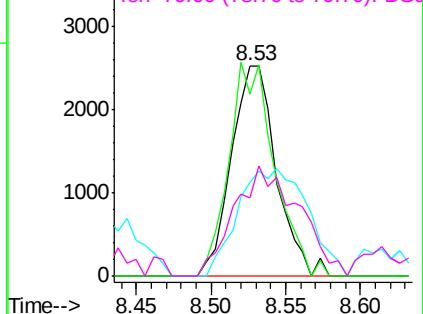
108 86.5 80.2 120.4

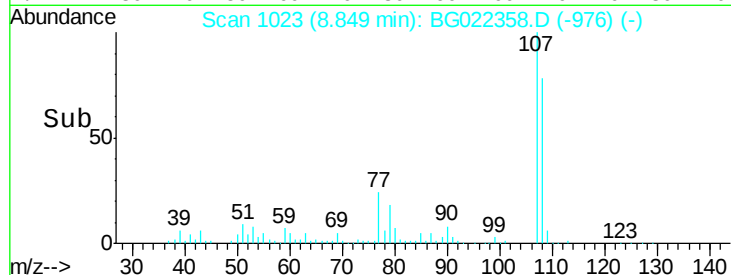
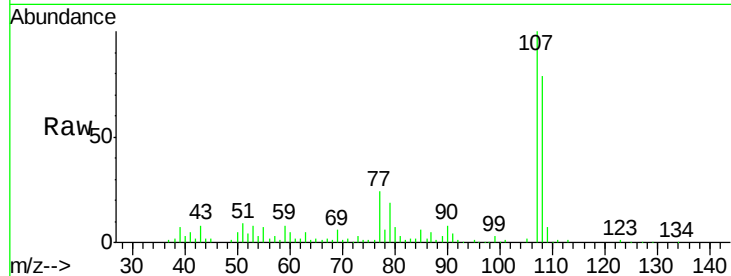
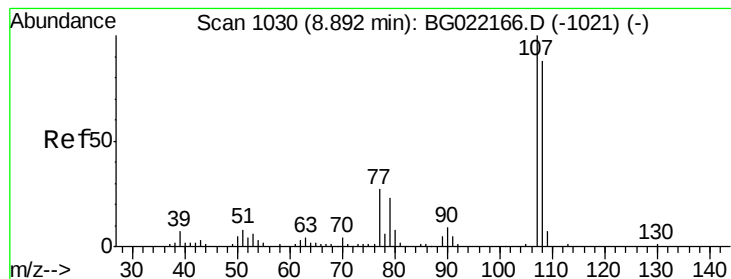
77 44.5 40.7 61.1

79 37.4 39.8 59.8#



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





#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

Tot Ion:107 Resp: 100354

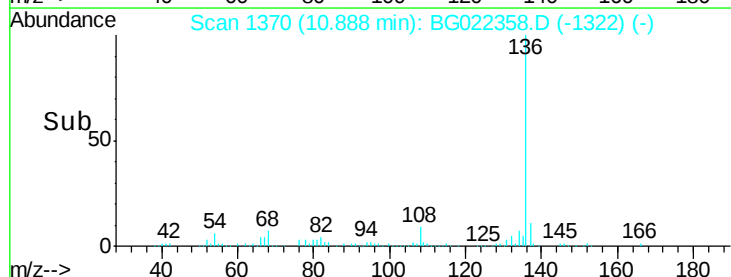
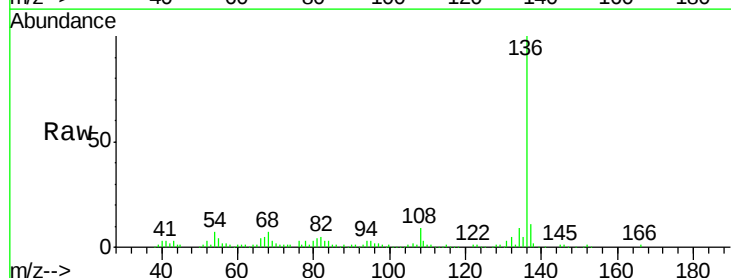
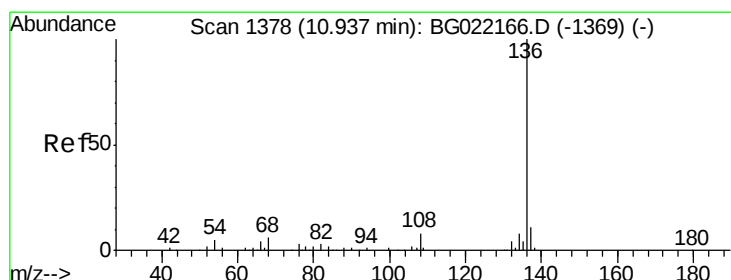
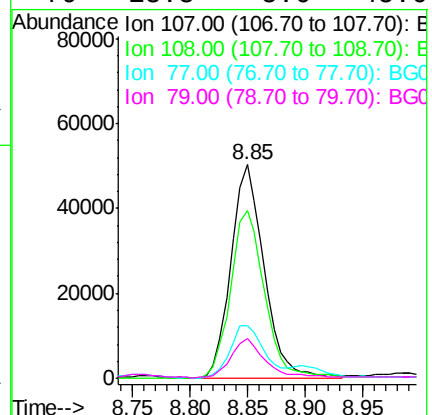
Ion Ratio Lower Upper

107 100

108 78.5 66.2 106.2

77 24.4 11.5 51.5

79 18.8 5.6 45.6



#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

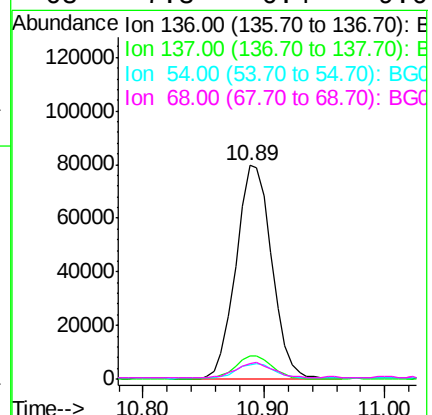
Ion Ratio Lower Upper

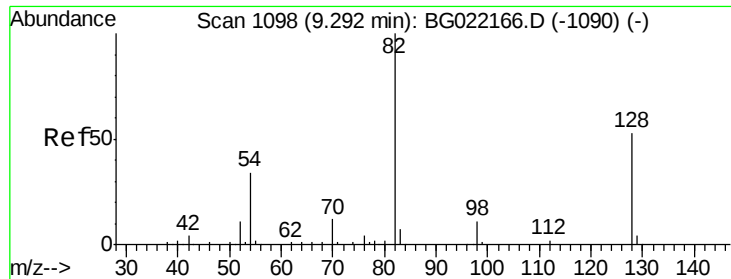
136 100

137 11.1 9.0 13.4

54 6.6 9.6 14.4#

68 7.3 6.4 9.6

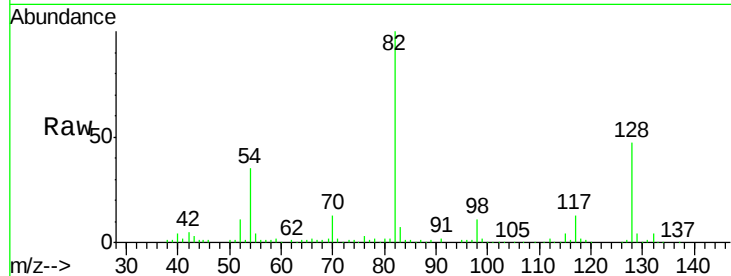




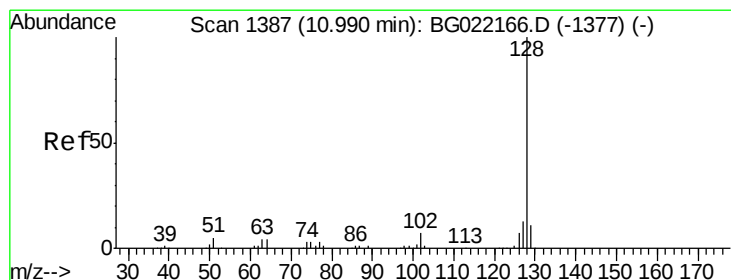
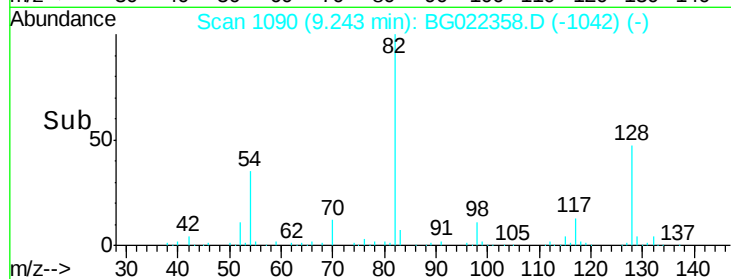
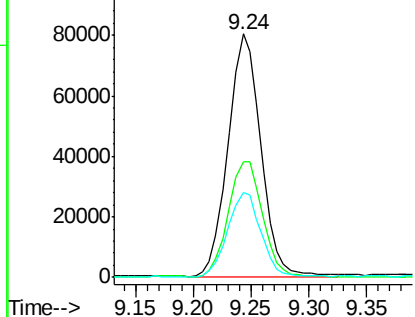
#23
Nitrobenzene-d5
Concen: 66.80 ng
RT: 9.24 min Scan# 1090
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

Instrument :
BNA_G
ClientSampleId :
MW-11

Tot Ion	82	Resp	157953
Ion Ratio	Lower	Upper	
82	100		
128	47.4	33.4	50.0
54	34.9	46.1	69.1#

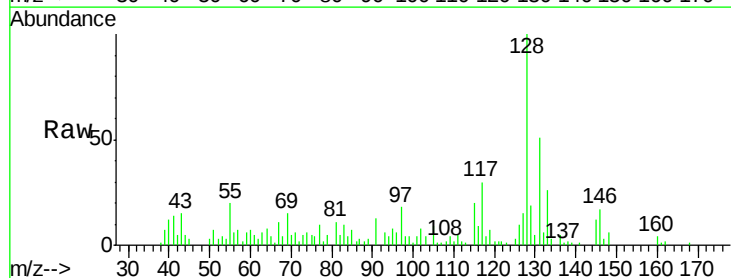


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

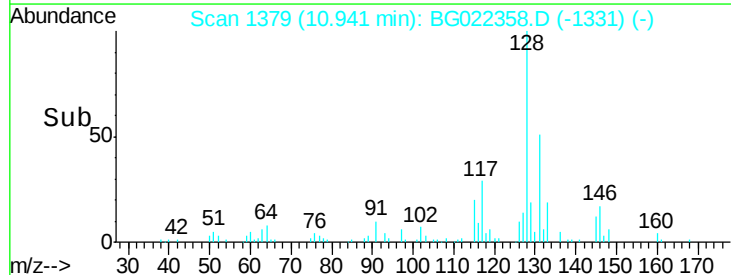
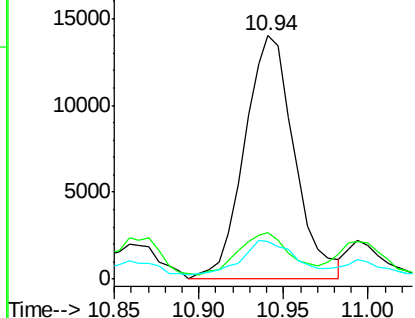


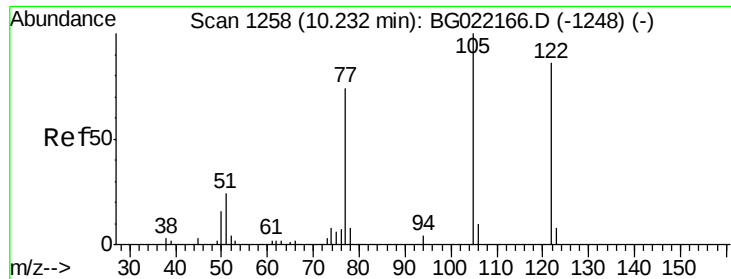
#31
Naphthalene
Concen: 3.50 ng
RT: 10.94 min Scan# 1379
Delta R.T. -0.02 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

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#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#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

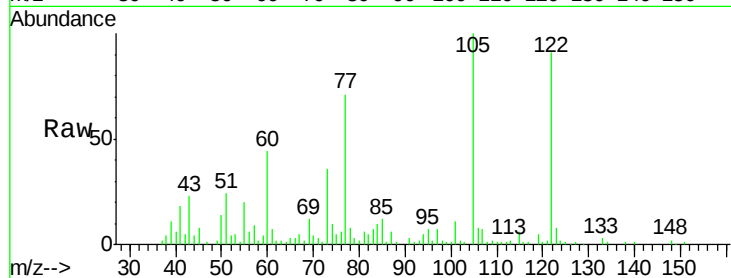
Tot Ion:122 Resp: 120858

Ion Ratio Lower Upper

122 100

105 109.8 104.5 144.5

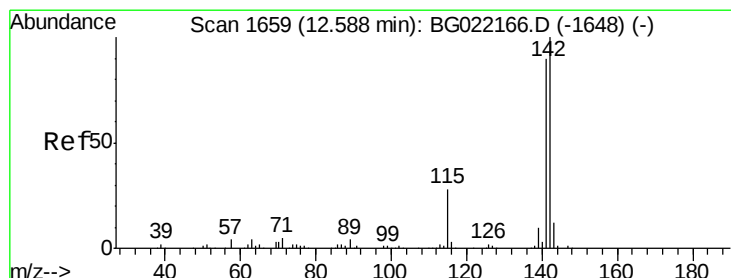
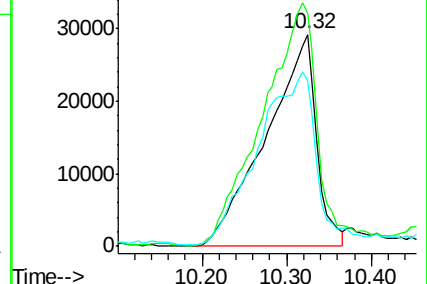
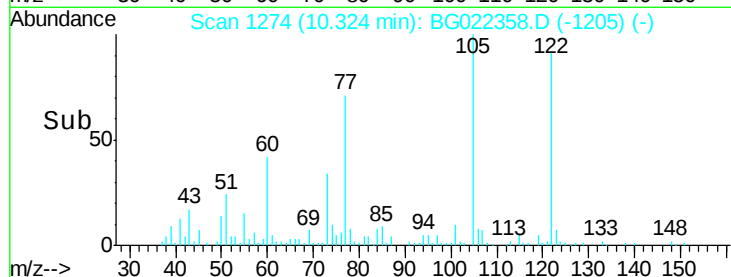
77 78.1 79.9 119.9#



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



#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

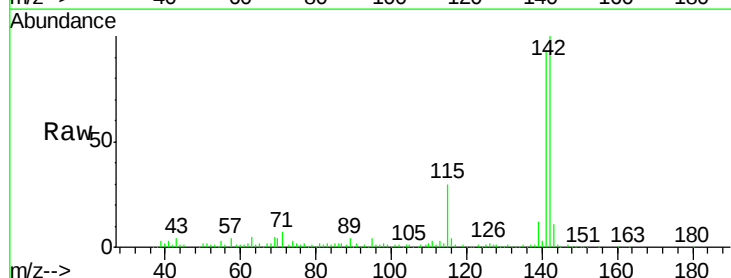
Tgt Ion:142 Resp: 185891

Ion Ratio Lower Upper

142 100

141 92.8 71.4 107.0

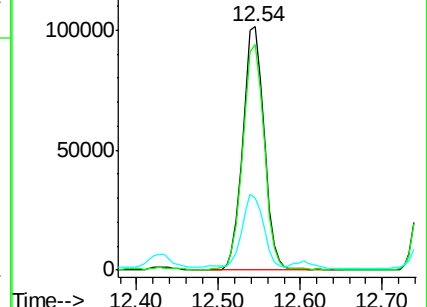
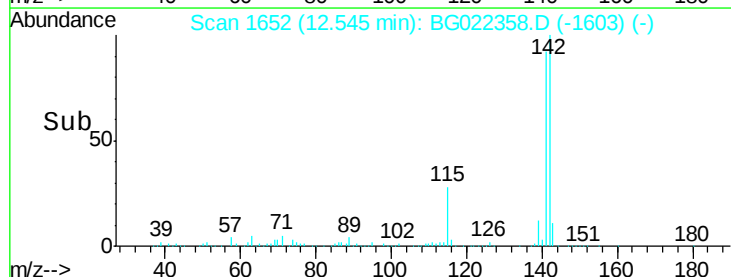
115 29.6 27.4 41.2

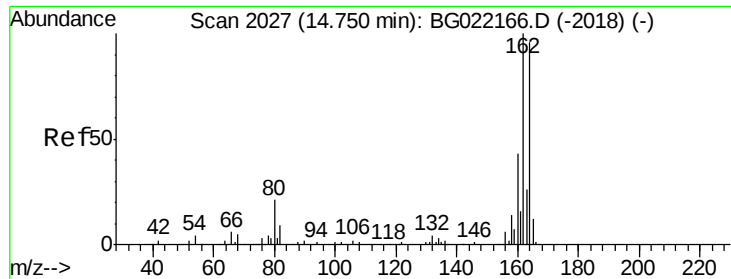


Abundance Ion 142.00 (141.70 to 142.70): E

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

Instrument :

BNA_G

ClientSampleId :

MW-11

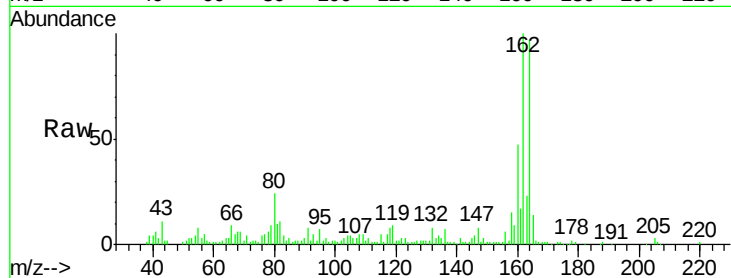
Tot Ion:164 Resp: 98637

Ion Ratio Lower Upper

164 100

162 102.7 78.0 117.0

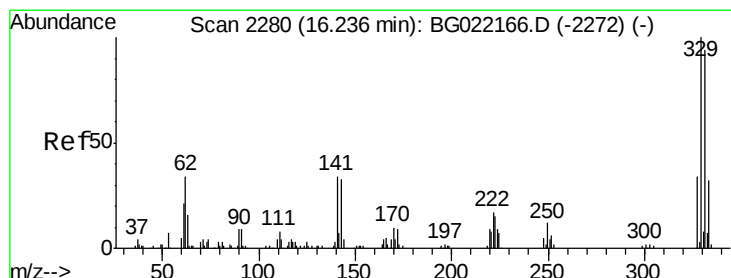
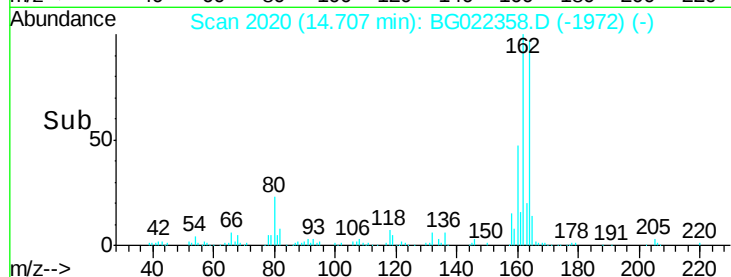
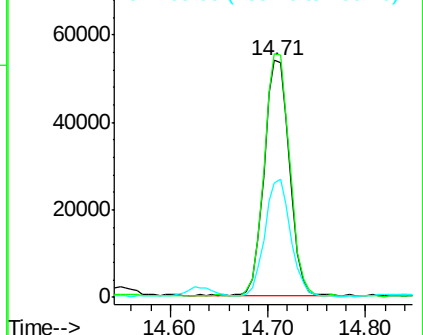
160 48.2 32.9 49.3



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

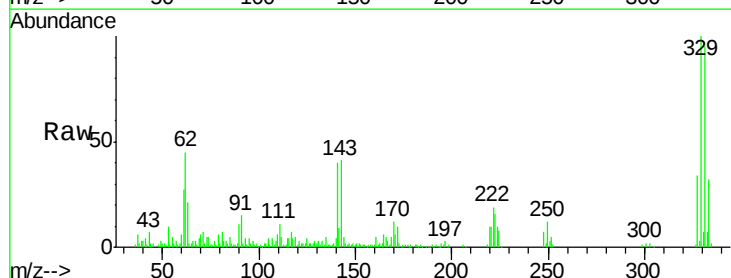
Tgt Ion:330 Resp: 102980

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

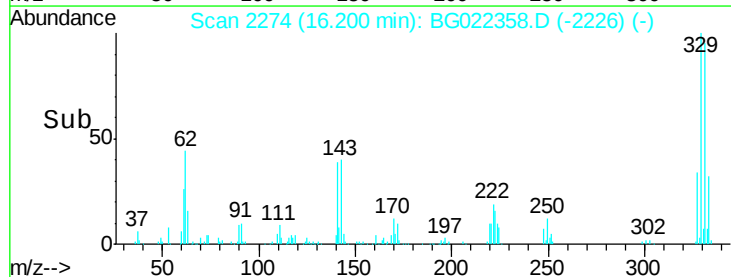
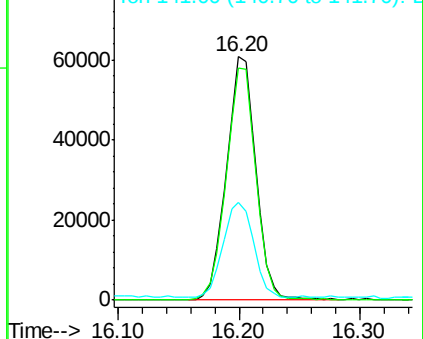
141 40.4 33.8 50.8

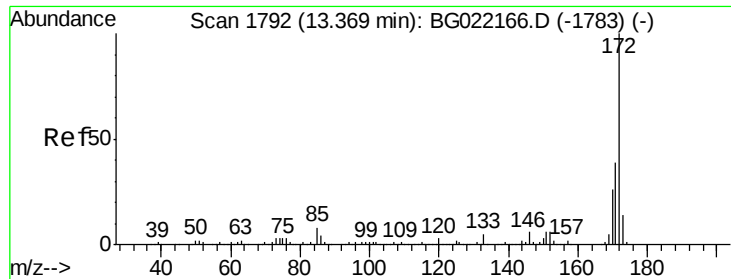


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

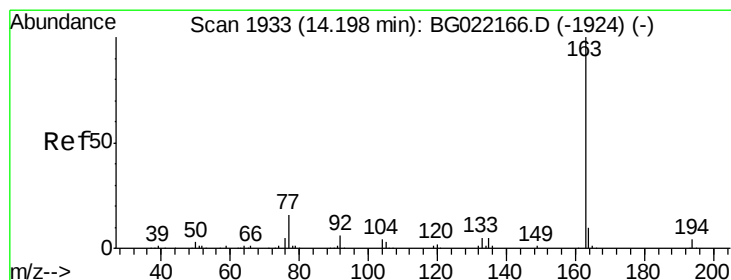
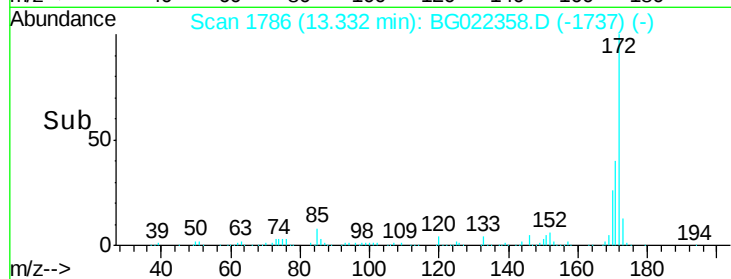
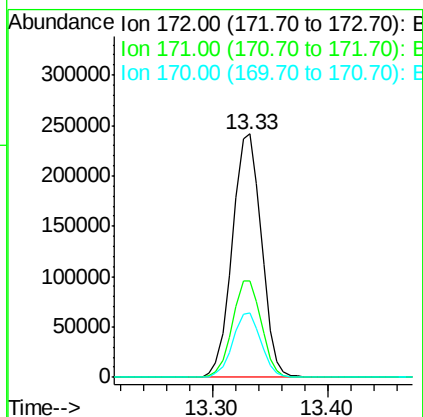
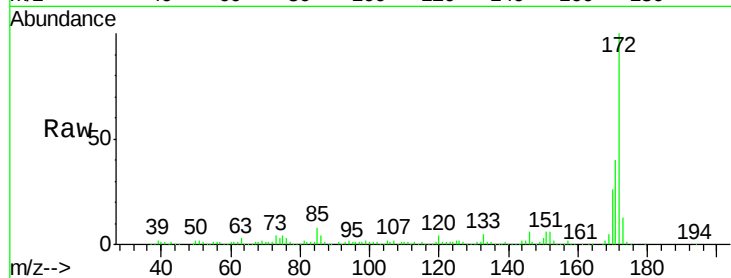




#44
2-Fluorobiphenyl
Concen: 65.09 ng
RT: 13.33 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

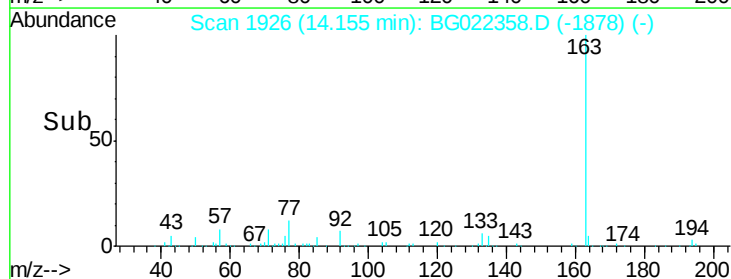
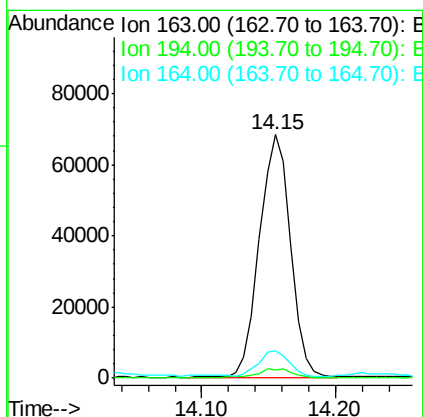
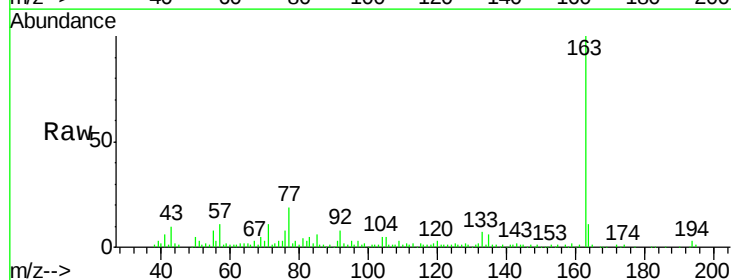
Instrument :
BNA_G
ClientSampleId :
MW-11

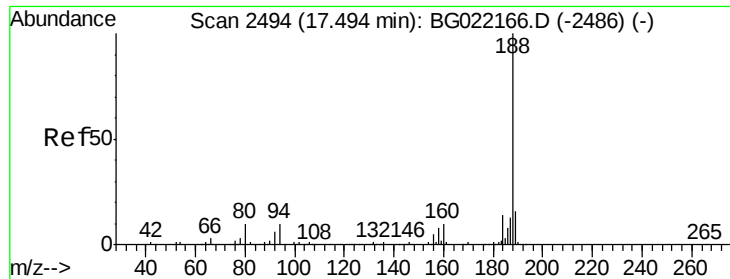
Tot Ion:172 Resp: 421319
Ion Ratio Lower Upper
172 100
171 39.6 27.8 41.6
170 26.4 19.6 29.4



#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

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

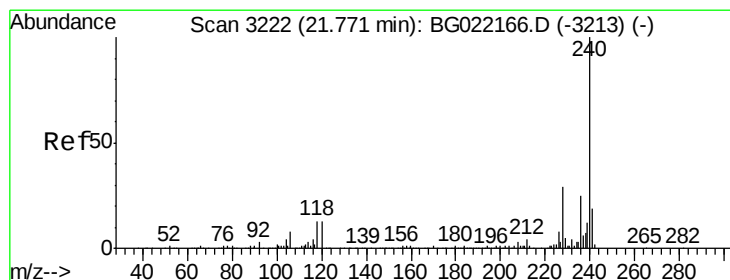
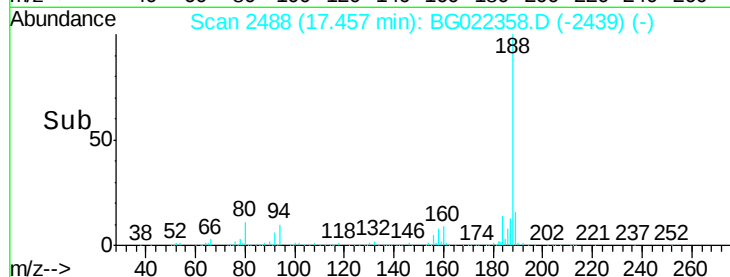
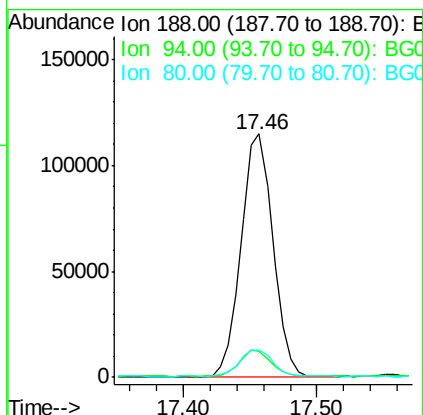
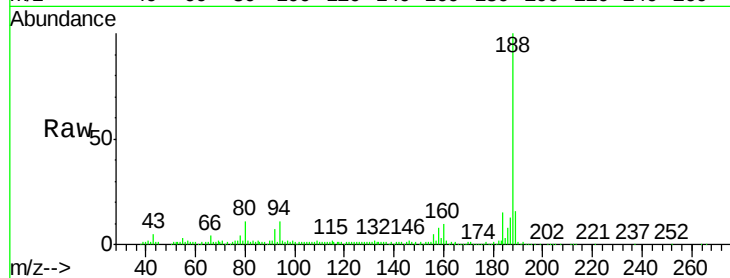




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.46 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BG022358.D
Acq: 15 Jun 2016 7:23

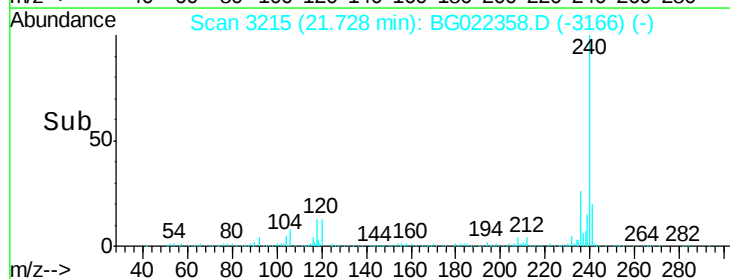
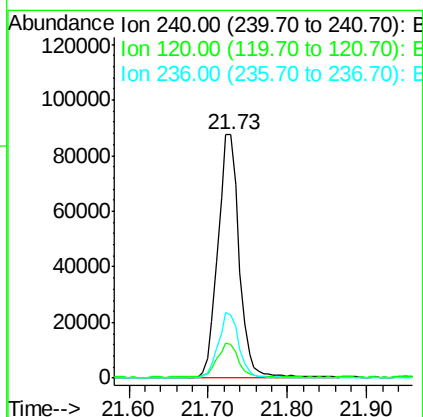
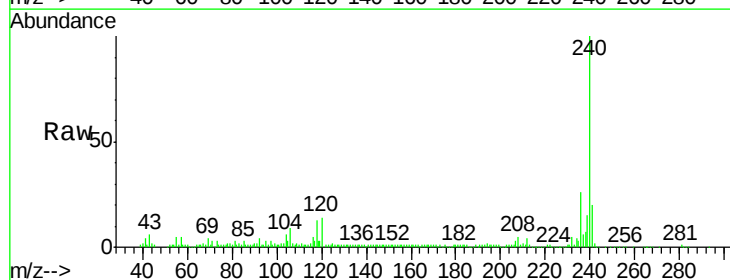
Instrument :
BNA_G
ClientSampleId :
MW-11

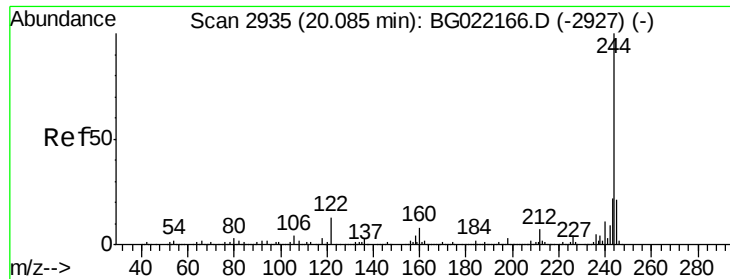
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.5	11.3
80	11.1	8.6	13.0



#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	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

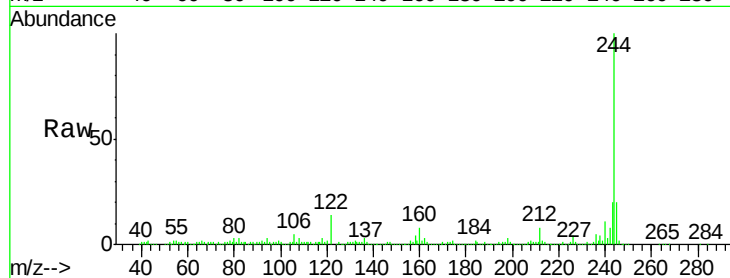
Tot Ion:244 Resp: 408131

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

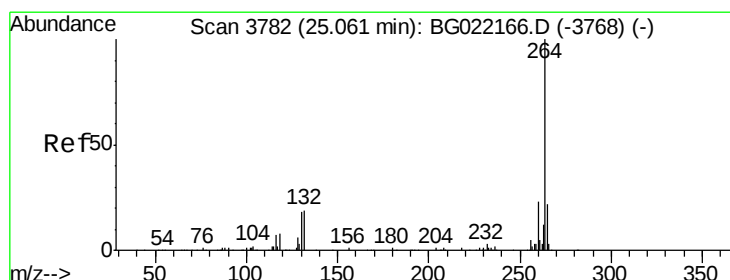
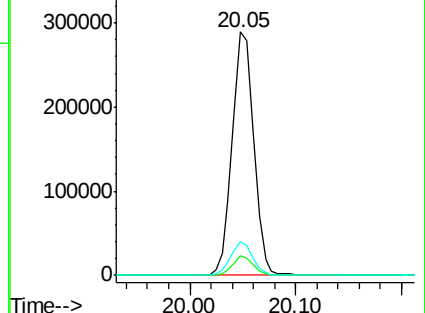
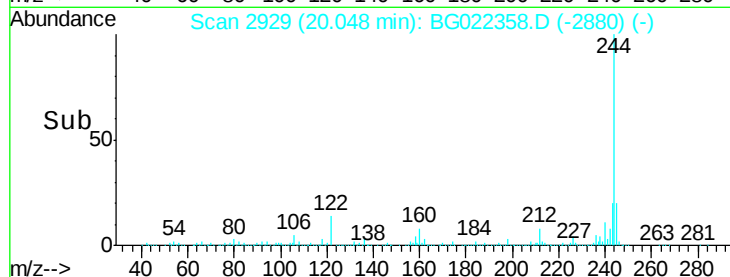
122 13.8 8.6 12.8#



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

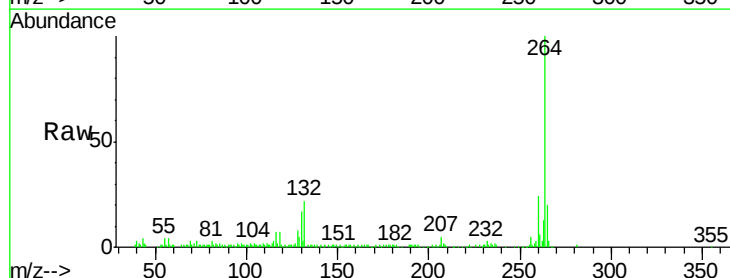
Tgt Ion:264 Resp: 155857

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

