

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
 Data File : BF083213.D
 Acq On : 23 Nov 2015 19:40
 Operator : UM/IZ
 Sample : G4437-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

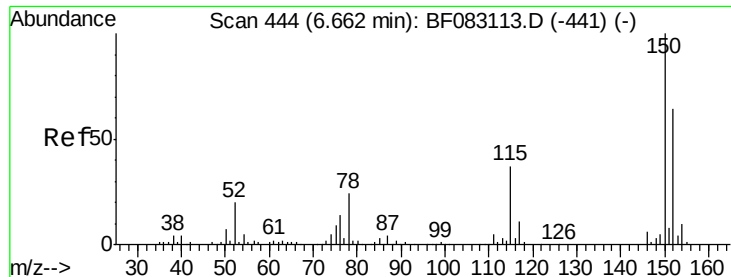
Quant Time: Nov 24 04:35:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	190607	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	636320	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	313214	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	552998	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	420376	20.00	ng	-0.02
86) Perylene-d12	15.14	264	365114	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	846513	67.14	ng	-0.03
7) Phenol-d6	6.32	99	839776	51.48	ng	-0.02
23) Nitrobenzene-d5	7.21	82	1361657	97.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	442198	138.00	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1843445	82.07	ng	-0.01
78) Terphenyl-d14	12.74	244	1635484	91.62	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	2.14	88	27785	4.45	ng	# 1
4) n-Nitrosodimethylamine	2.68	42	18612	2.45	ng	# 1
9) Benzaldehyde	6.19	77	6721	Below	Cal	90
15) Benzyl Alcohol	6.80	79	31313	2.30	ng	# 48
18) Hexachloroethane	7.22	117	187851	33.90	ng	# 5
19) n-Nitroso-di-n-propylamine	7.07	70	48563	4.28	ng	# 77
24) Nitrobenzene	7.19	77	48330	3.25	ng	# 40
25) Isophorone	7.56	82	219045	8.31	ng	# 1
35) Caprolactam	8.52	113	36977	11.57	ng	# 1
36) 4-Chloro-3-methylphenol	8.58	107	39532	3.42	ng	# 29
37) 2-Methylnaphthalene	8.65	142	82518	3.70	ng	# 94
50) 2,6-Dinitrotoluene	9.46	165	23689	4.38	ng	# 68
52) 3-Nitroaniline	9.70	138	49742	8.62	ng	# 29
55) 4-Nitrophenol	9.88	139	28190	6.37	ng	# 1
59) Diethylphthalate	10.11	149	52437	2.18	ng	# 40
66) 4-Bromophenyl-phenylether	10.48	248	30676	5.00	ng	# 1
76) Benzidine	12.38	184	181058	16.43	ng	# 89
83) Bis(2-ethylhexyl)phthalate	13.78	149	41815	2.36	ng	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF083213.D

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ClientSampleId :

MW-02

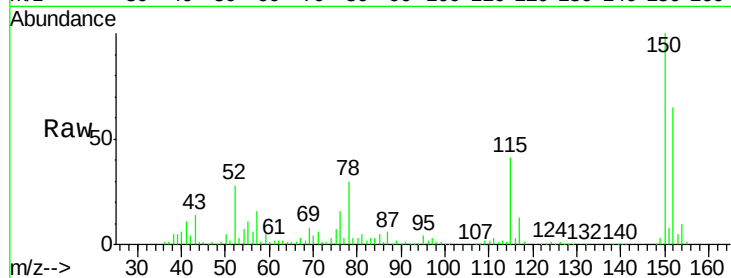
Tgt Ion:152 Resp: 190607

Ion Ratio Lower Upper

152 100

150 154.7 125.8 188.8

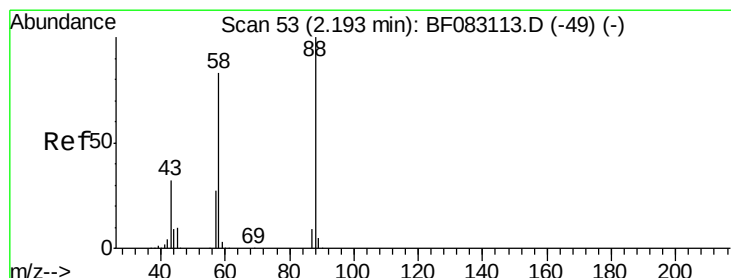
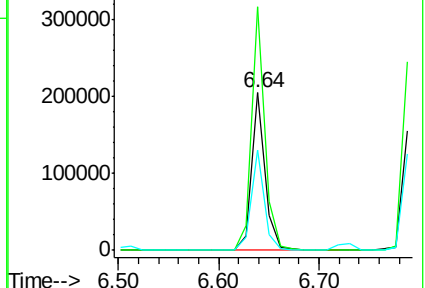
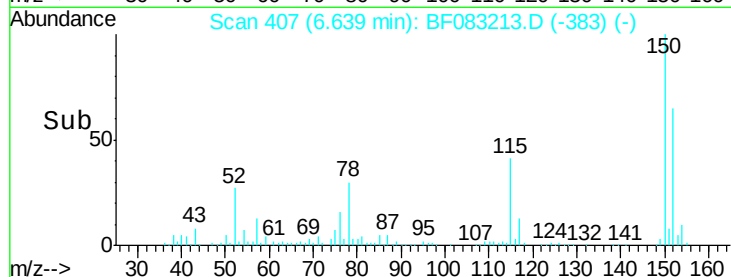
115 63.4 46.9 70.3



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



#2

1,4-Dioxane

Concen: 4.45 ng

RT: 2.14 min Scan# 13

Delta R.T. -0.06 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

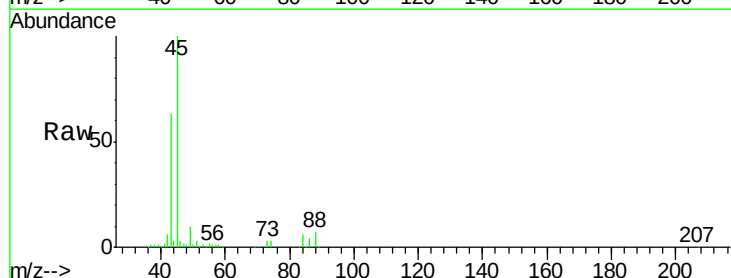
Tgt Ion: 88 Resp: 27785

Ion Ratio Lower Upper

88 100

58 7.7 65.0 97.6#

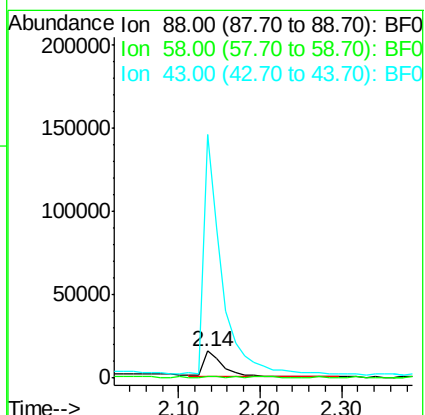
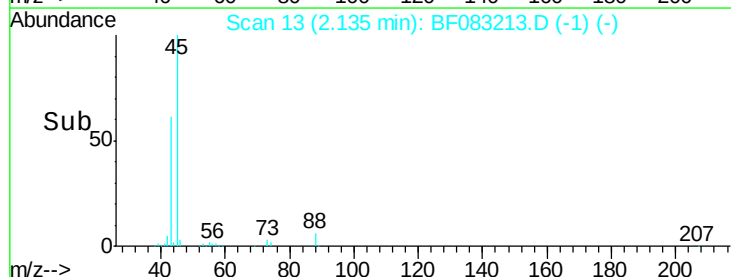
43 811.9 24.7 37.1#

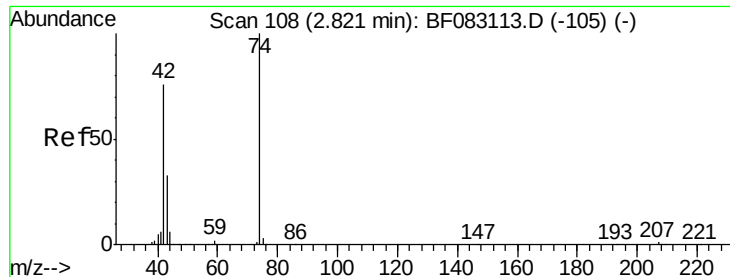


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 2.45 ng

RT: 2.68 min Scan# 61

Delta R.T. -0.14 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Instrument :

BNA_F

ClientSampleId :

MW-02

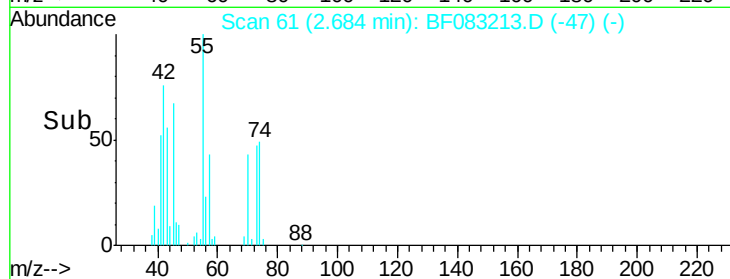
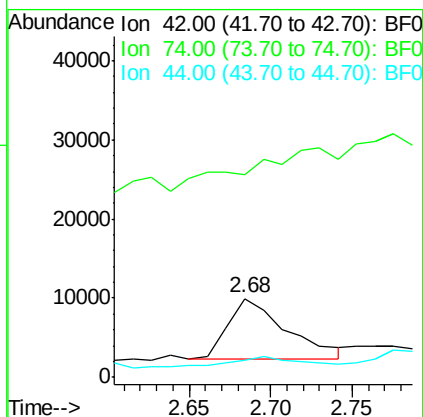
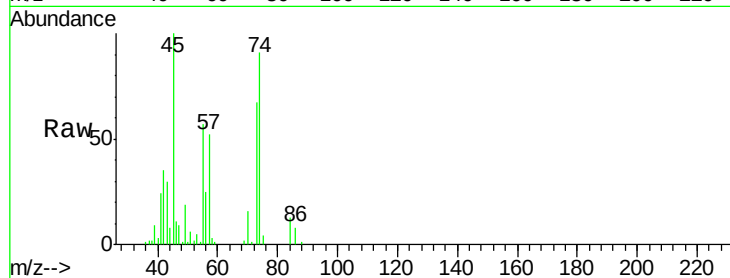
Tgt Ion: 42 Resp: 18612

Ion Ratio Lower Upper

42 100

74 256.0 104.8 157.2#

44 21.7 6.2 9.4#



#5

2-Fluorophenol

Concen: 67.14 ng

RT: 5.24 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

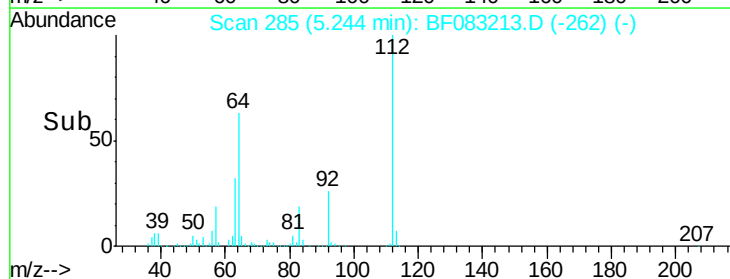
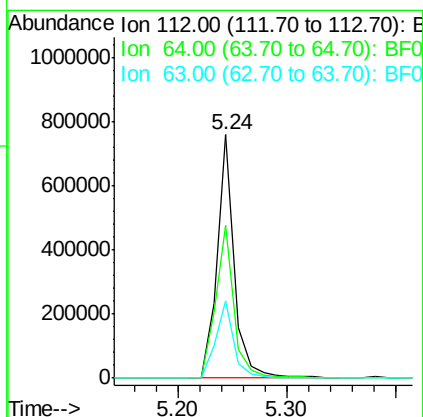
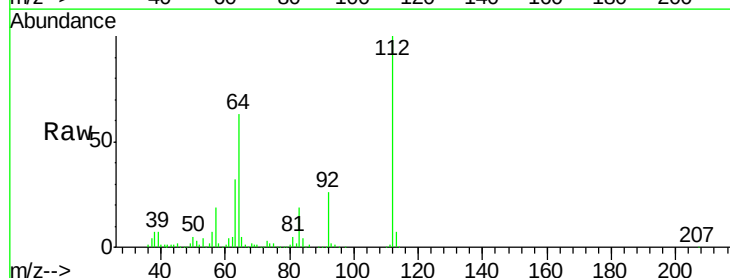
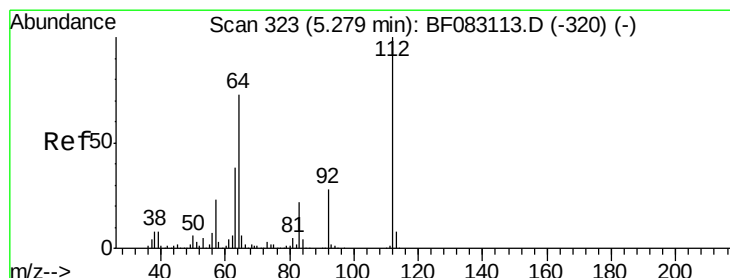
Tgt Ion: 112 Resp: 846513

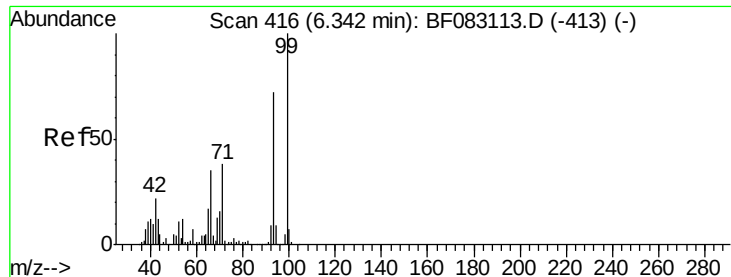
Ion Ratio Lower Upper

112 100

64 62.9 58.4 87.6

63 31.9 30.0 45.0





#7

Phenol-d6

Concen: 51.48 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Instrument :

BNA_F

ClientSampleId :

MW-02

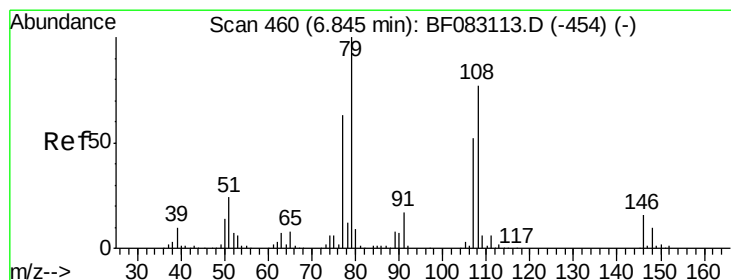
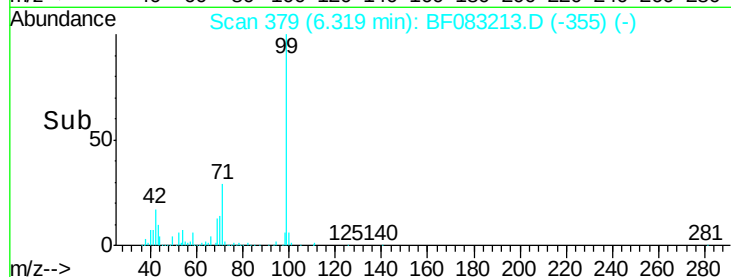
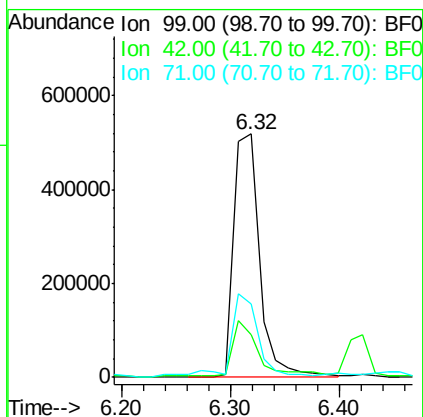
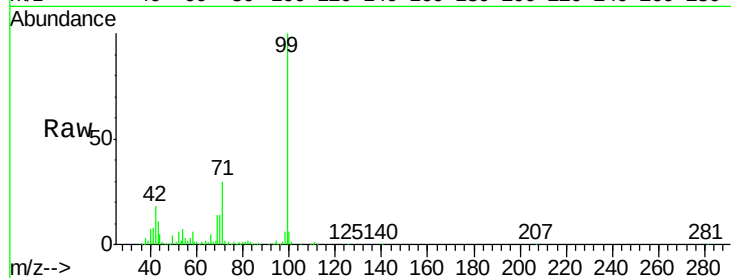
Tgt Ion: 99 Resp: 839776

Ion Ratio Lower Upper

99 100

42 17.7 17.7 26.5

71 29.9 30.2 45.4#



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 6.80 min Scan# 421

Delta R.T. -0.05 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

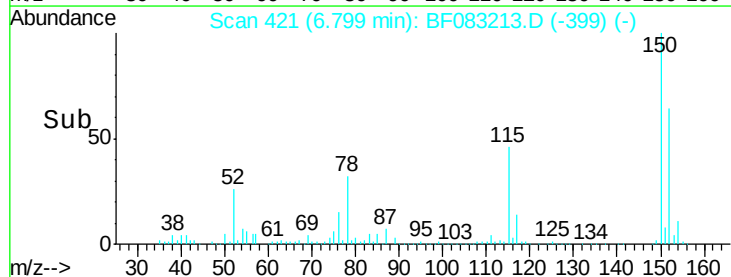
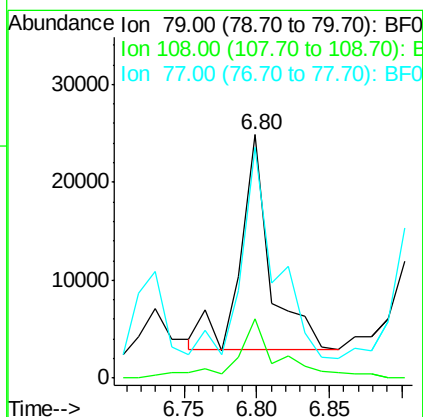
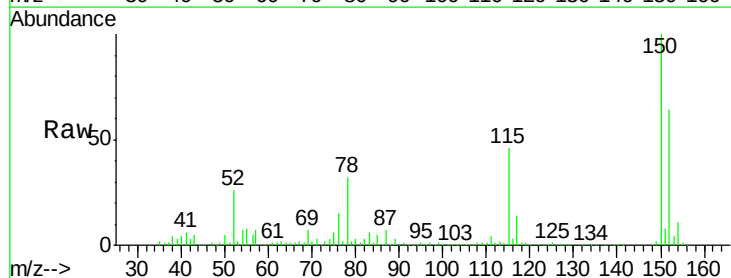
Tgt Ion: 79 Resp: 31313

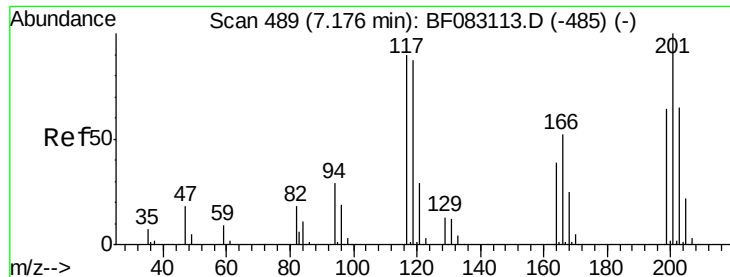
Ion Ratio Lower Upper

79 100

108 24.5 61.4 92.2#

77 94.6 50.5 75.7#

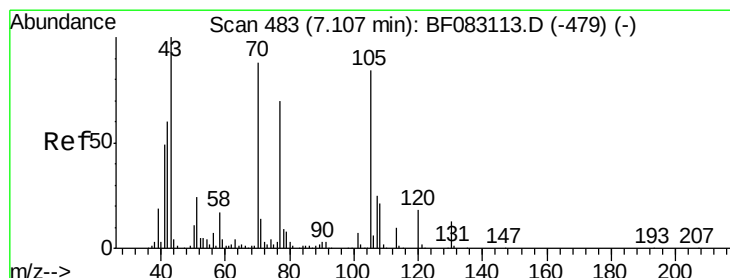
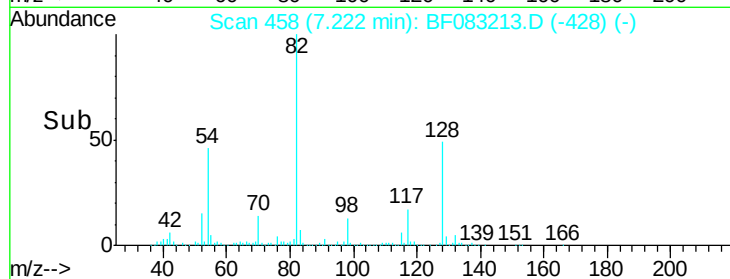
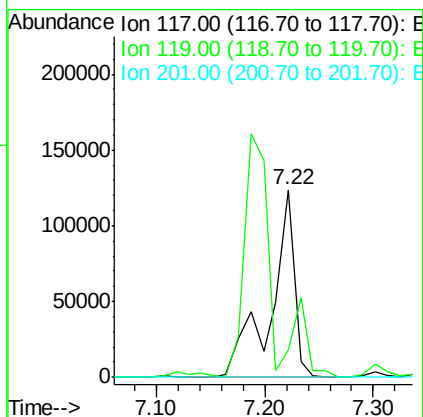
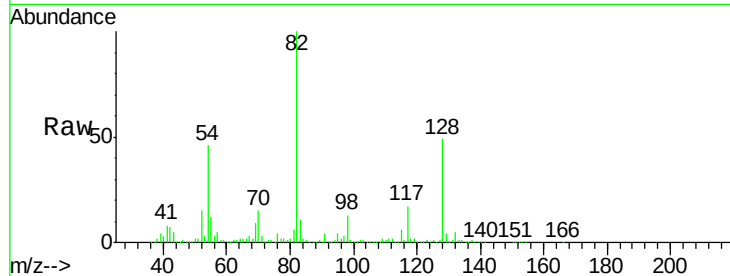




#18
Hexachloroethane
Concen: 33.90 ng
RT: 7.22 min Scan# 458
Delta R.T. 0.05 min
Lab File: BF083213.D
Acq: 23 Nov 2015 19:40

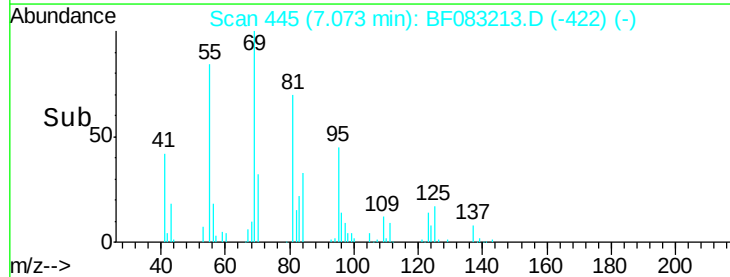
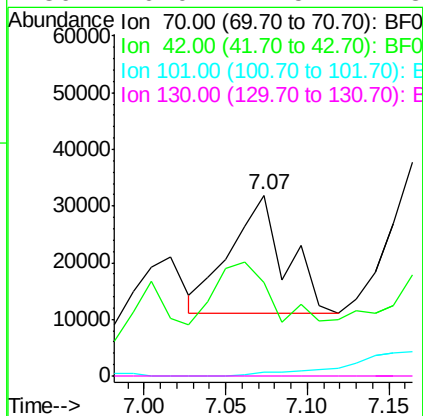
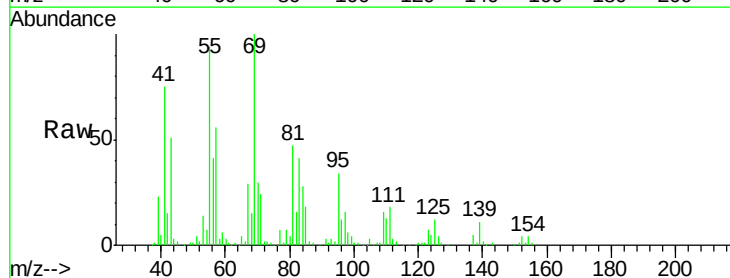
Instrument :
BNA_F
ClientSampled :
MW-02

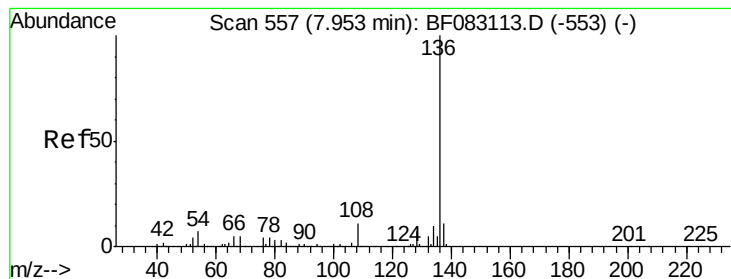
Tgt Ion: 117 Resp: 187851
Ion Ratio Lower Upper
117 100
119 14.9 76.8 115.2#
201 0.0 88.6 133.0#



#19
n-Nitroso-di-n-propylamine
Concen: 4.28 ng
RT: 7.07 min Scan# 445
Delta R.T. -0.03 min
Lab File: BF083213.D
Acq: 23 Nov 2015 19:40

Tgt Ion: 70 Resp: 48563
Ion Ratio Lower Upper
70 100
42 51.5 54.5 81.7#
101 1.9 6.6 9.8#
130 0.0 11.5 17.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Instrument :

BNA_F

ClientSampleId :

MW-02

Tgt Ion: 136 Resp: 636320

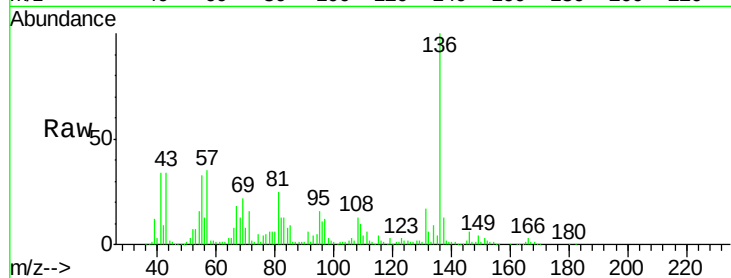
Ion Ratio Lower Upper

136 100

137 12.7 8.7 13.1

54 16.0 5.8 8.6#

68 13.4 3.8 5.8#

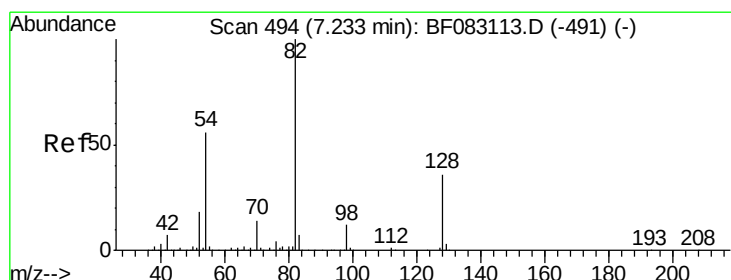
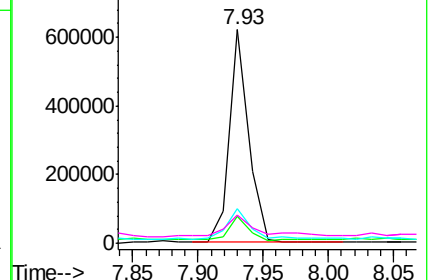
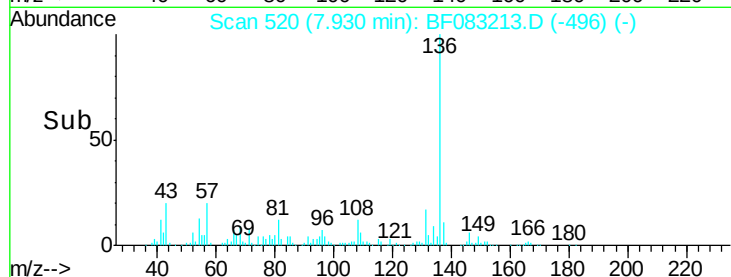


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 97.78 ng

RT: 7.21 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

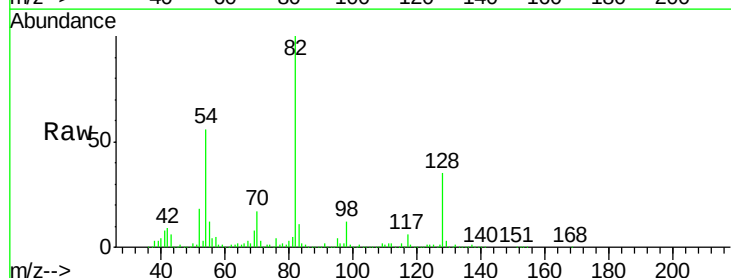
Tgt Ion: 82 Resp: 1361657

Ion Ratio Lower Upper

82 100

128 35.0 28.5 42.7

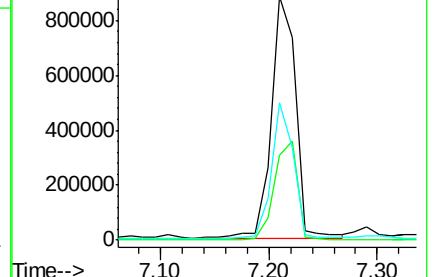
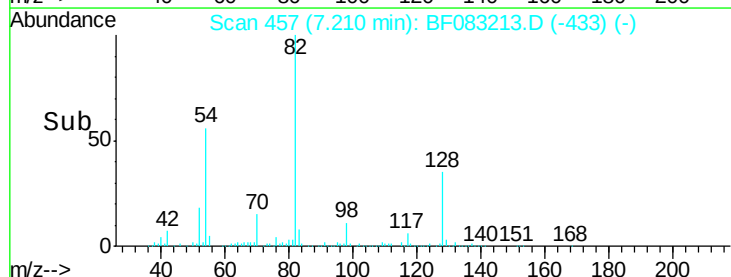
54 56.3 44.6 67.0

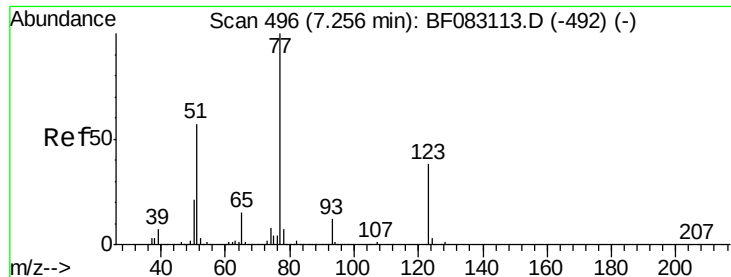


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 3.25 ng

RT: 7.19 min Scan# 455

Delta R.T. -0.07 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Instrument :

BNA_F

ClientSampleId :

MW-02

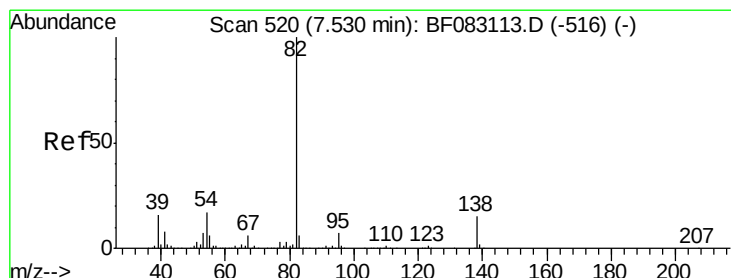
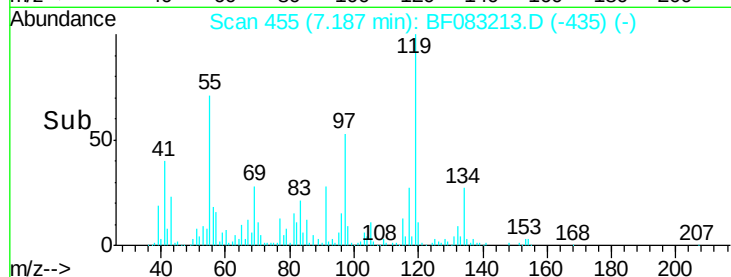
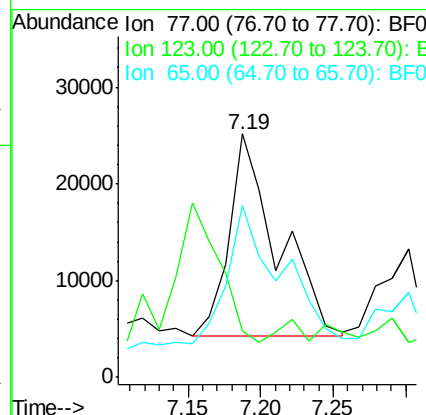
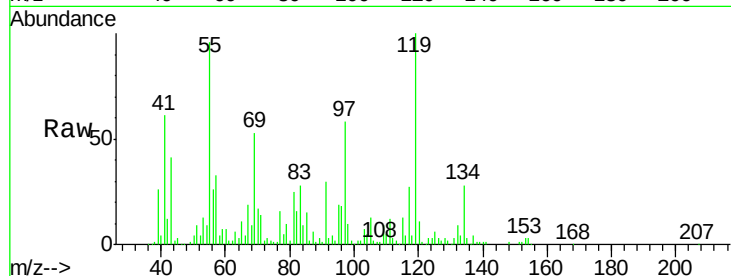
Tgt Ion: 77 Resp: 48330

Ion Ratio Lower Upper

77 100

123 19.2 30.1 45.1#

65 70.9 11.6 17.4#



#25

Isophorone

Concen: 8.31 ng

RT: 7.56 min Scan# 488

Delta R.T. 0.03 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

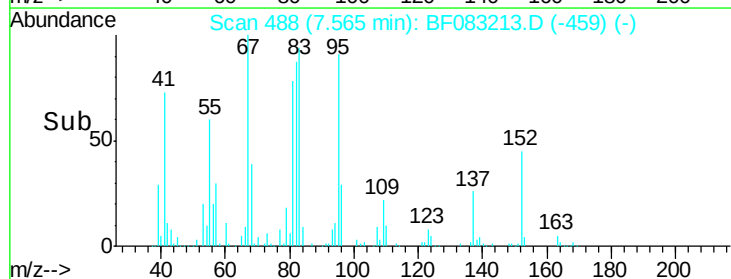
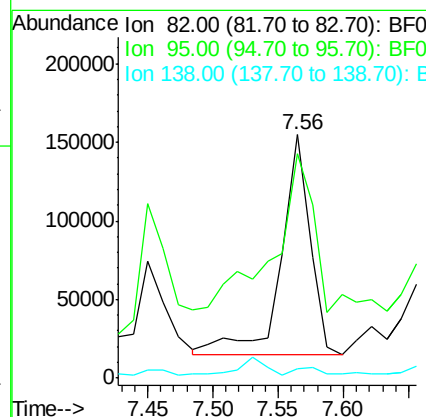
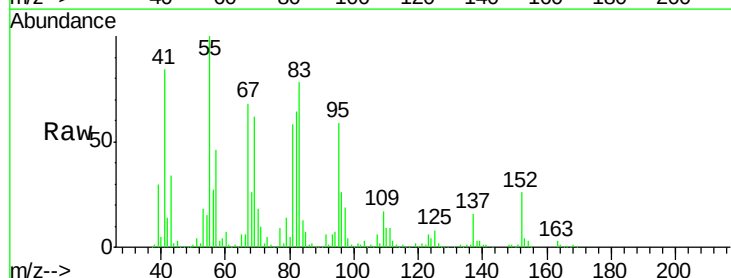
Tgt Ion: 82 Resp: 219045

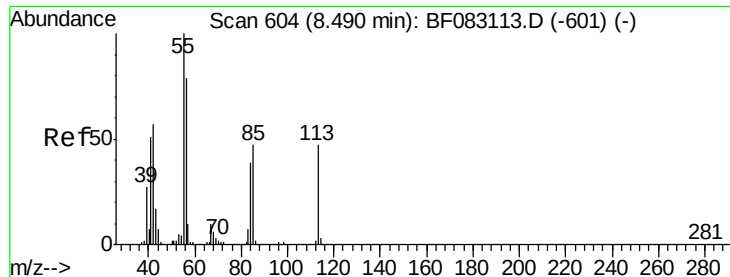
Ion Ratio Lower Upper

82 100

95 92.4 5.8 8.8#

138 3.9 11.6 17.4#





#35

Caprolactam

Concen: 11.57 ng

RT: 8.52 min Scan# 572

Delta R.T. 0.03 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Instrument :

BNA_F

ClientSampleId :

MW-02

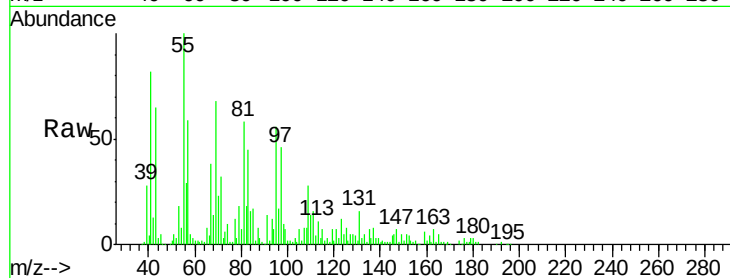
Tgt Ion:113 Resp: 36977

Ion Ratio Lower Upper

113 100

55 871.5 192.6 232.6#

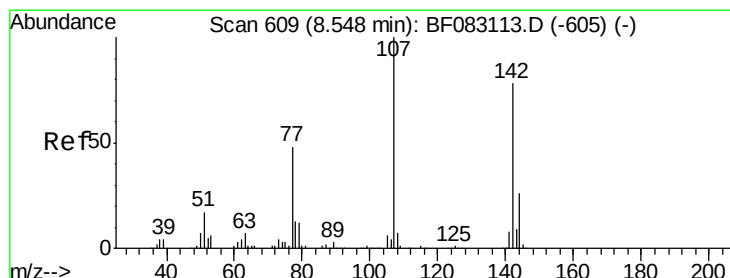
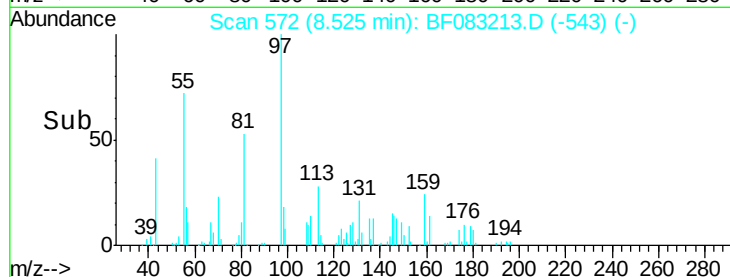
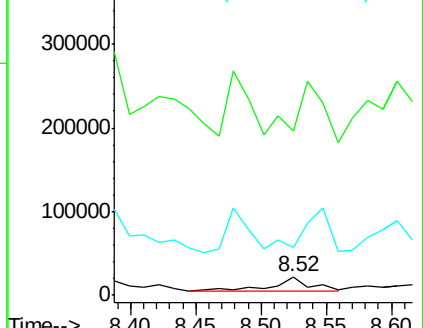
56 255.1 148.6 188.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 3.42 ng

RT: 8.58 min Scan# 577

Delta R.T. 0.03 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

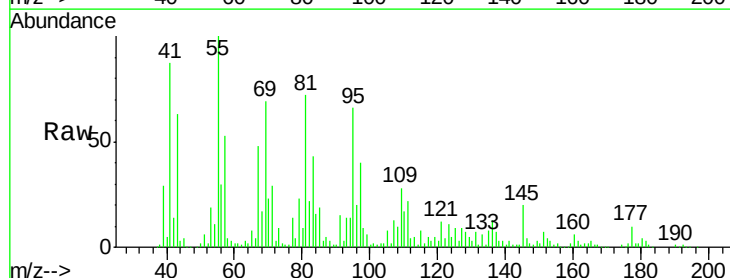
Tgt Ion:107 Resp: 39532

Ion Ratio Lower Upper

107 100

144 7.6 20.8 31.2#

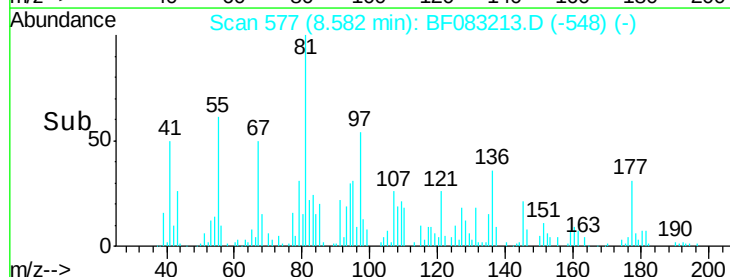
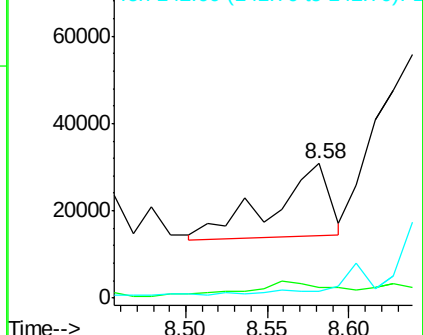
142 5.4 62.1 93.1#

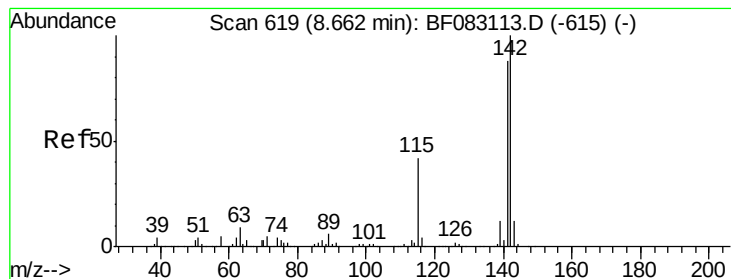


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

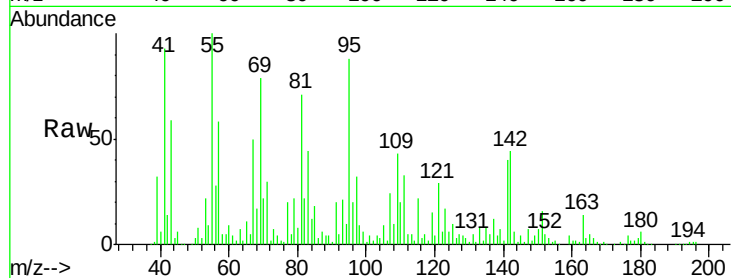




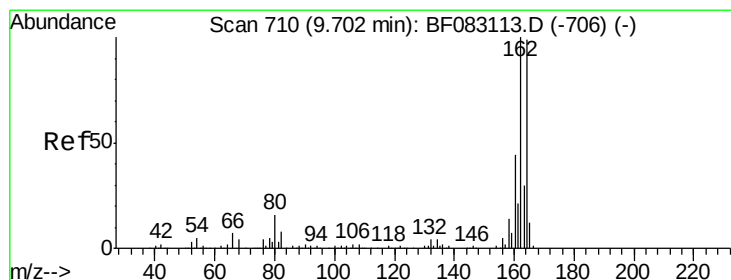
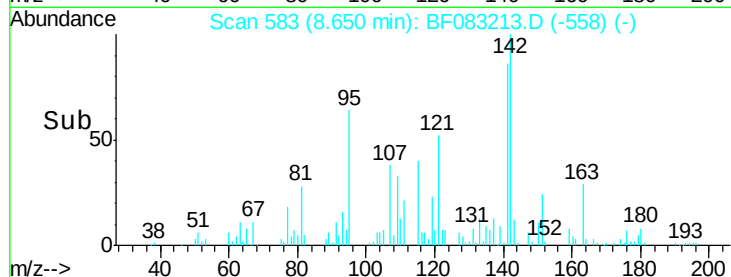
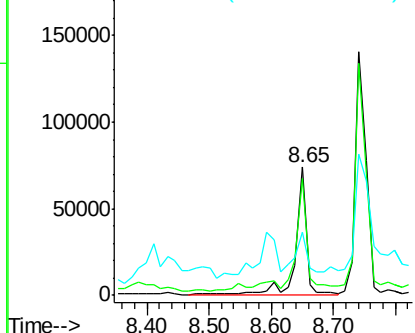
#37
 2-Methylnaphthalene
 Concen: 3.70 ng
 RT: 8.65 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: BF083213.D
 Acq: 23 Nov 2015 19:40

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

Tgt Ion:142 Resp: 82518
 Ion Ratio Lower Upper
 142 100
 141 90.9 70.3 105.5
 115 49.6 33.4 50.2

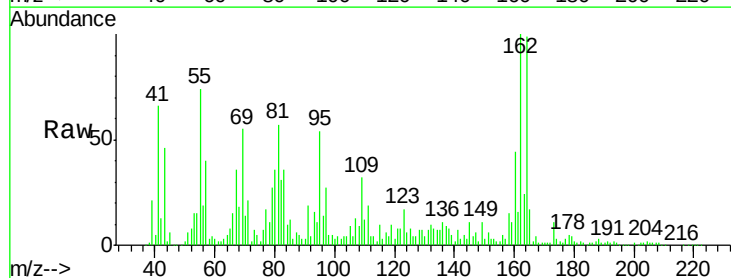


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

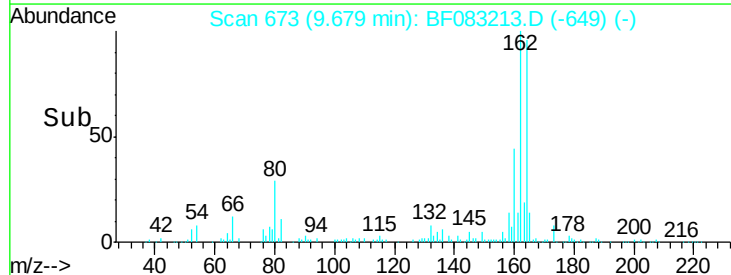
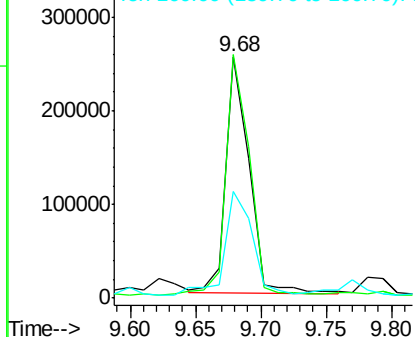


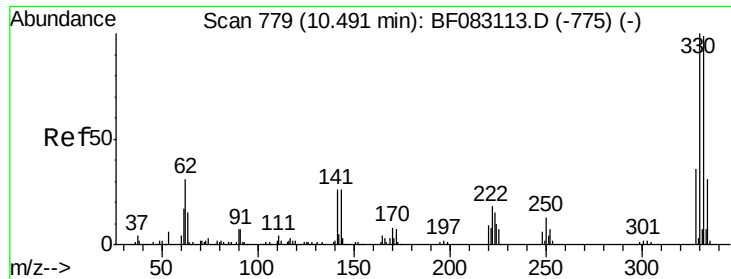
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF083213.D
 Acq: 23 Nov 2015 19:40

Tgt Ion:164 Resp: 313214
 Ion Ratio Lower Upper
 164 100
 162 100.9 81.2 121.8
 160 44.4 35.6 53.4



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

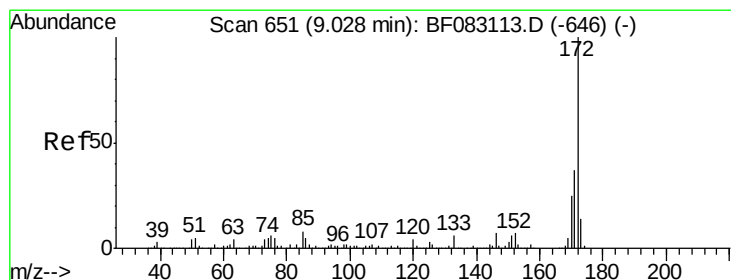
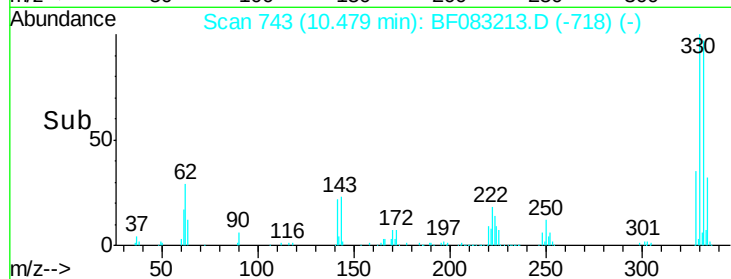
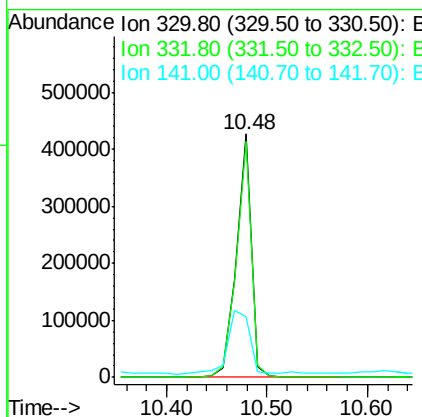
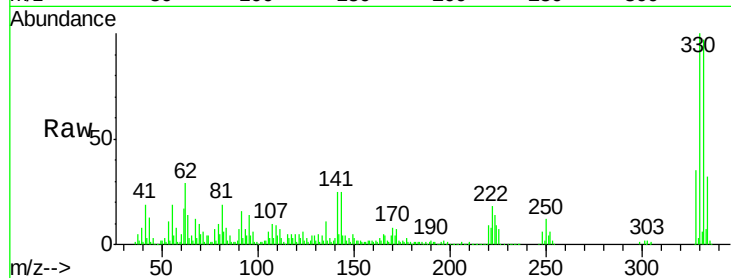




#41
 2,4,6-Tribromophenol
 Concen: 138.00 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083213.D
 Acq: 23 Nov 2015 19:40

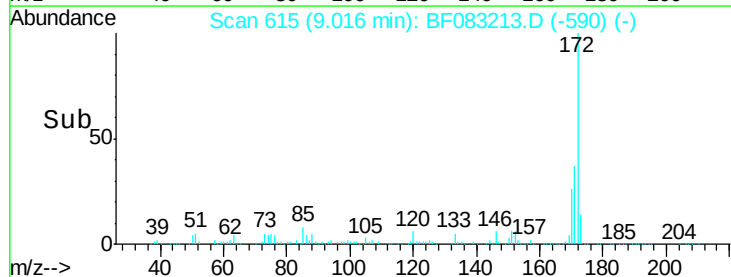
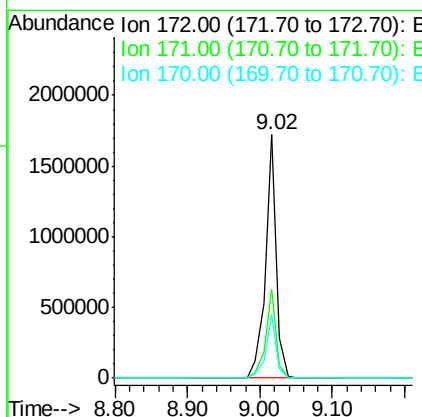
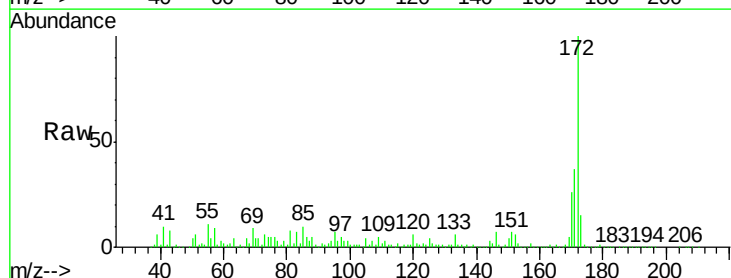
Instrument :
 BNA_F
 ClientSampleId :
 MW-02

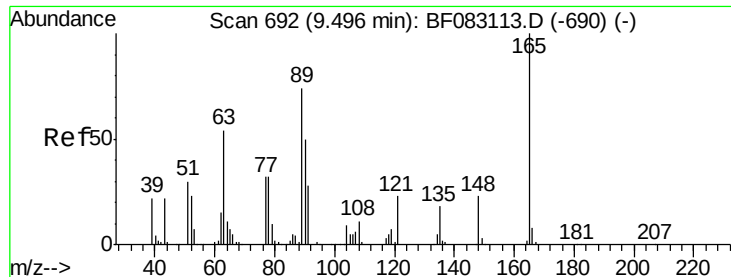
Tgt Ion:330 Resp: 442198
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.7 116.5
 141 38.6 29.7 44.5



#44
 2-Fluorobiphenyl
 Concen: 82.07 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083213.D
 Acq: 23 Nov 2015 19:40

Tgt Ion:172 Resp: 1843445
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.5 44.3
 170 25.8 19.9 29.9





#50

2,6-Dinitrotoluene

Concen: 4.38 ng

RT: 9.46 min Scan# 654

Delta R.T. -0.03 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Instrument :

BNA_F

ClientSampled :

MW-02

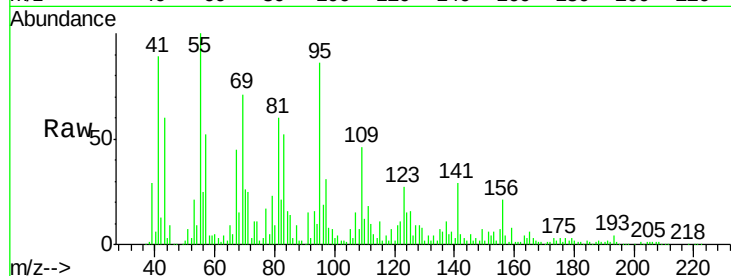
Tgt Ion:165 Resp: 23689

Ion Ratio Lower Upper

165 100

63 65.6 62.5 93.7

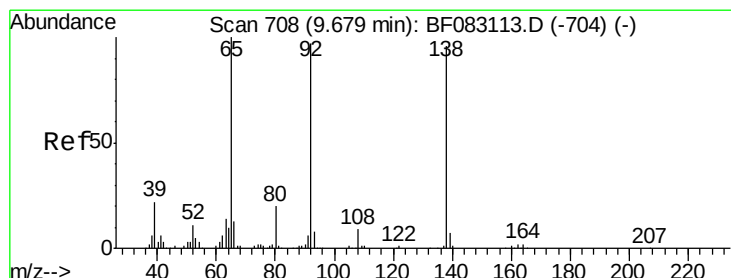
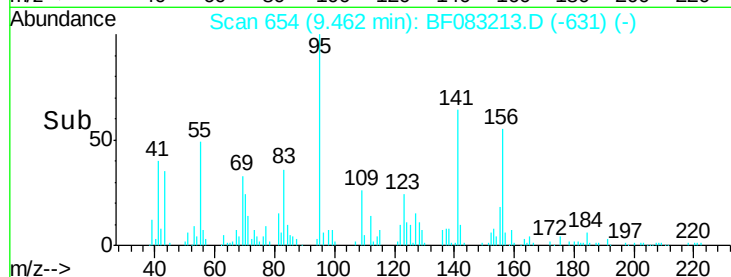
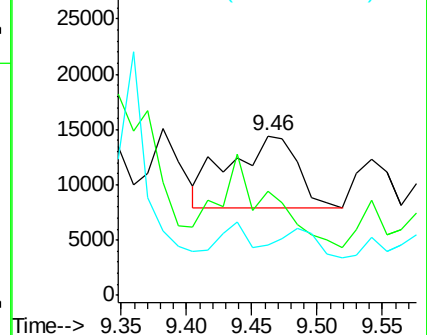
89 31.9 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#52

3-Nitroaniline

Concen: 8.62 ng

RT: 9.70 min Scan# 675

Delta R.T. 0.02 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

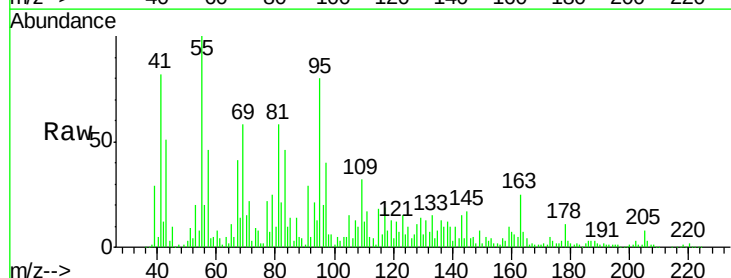
Tgt Ion:138 Resp: 49742

Ion Ratio Lower Upper

138 100

108 82.5 7.8 11.6#

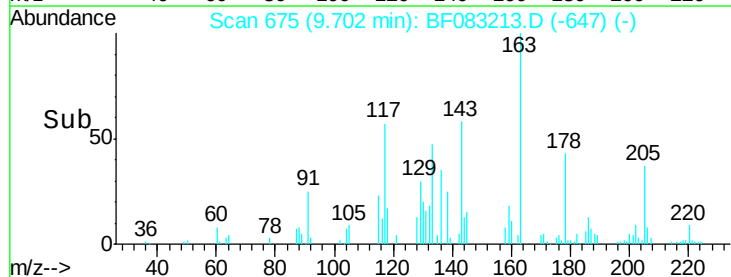
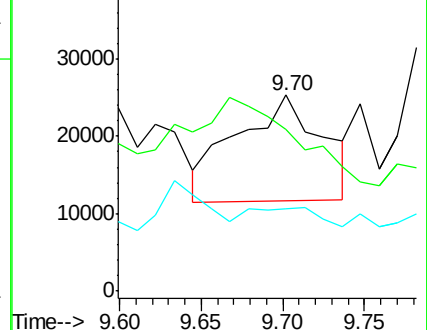
92 42.1 81.1 121.7#

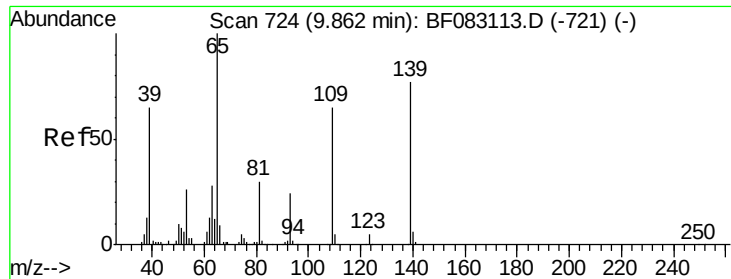


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#55

4-Nitrophenol

Concen: 6.37 ng

RT: 9.88 min Scan# 691

Delta R.T. 0.02 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Instrument :

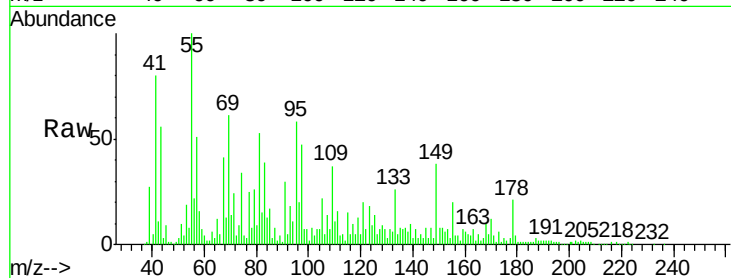
BNA_F

ClientSampleId :

MW-02

Tgt Ion:139 Resp: 28190

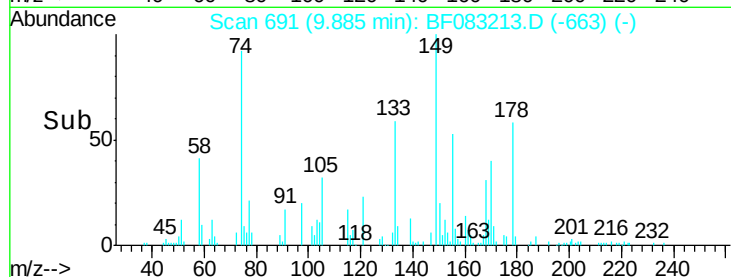
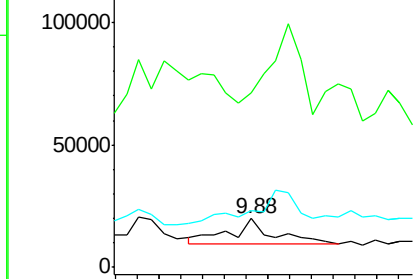
Ion	Ratio	Lower	Upper
139	100		
109	357.1	64.0	104.0#
65	116.0	109.5	149.5



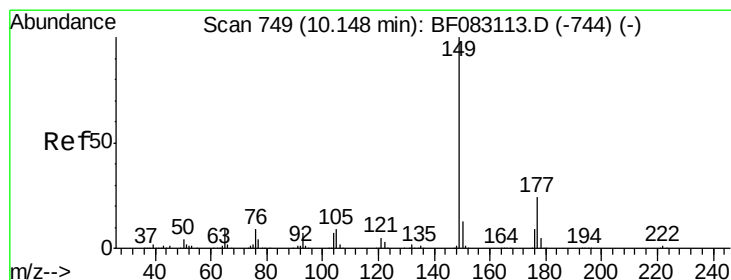
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



Time-->



#59

Diethylphthalate

Concen: 2.18 ng

RT: 10.11 min Scan# 711

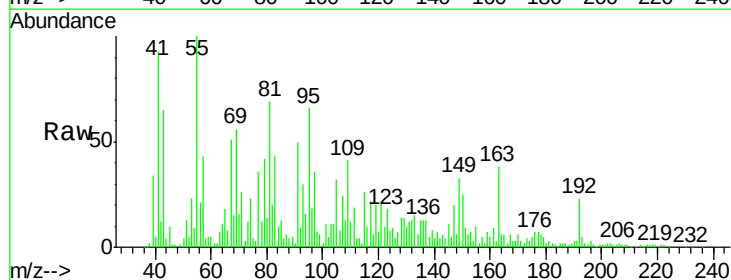
Delta R.T. -0.03 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Tgt Ion:149 Resp: 52437

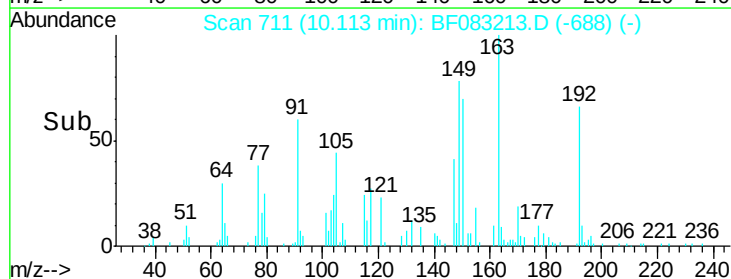
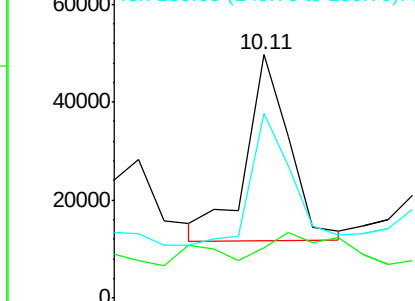
Ion	Ratio	Lower	Upper
149	100		
177	20.6	19.4	29.2
150	75.7	10.2	15.2#

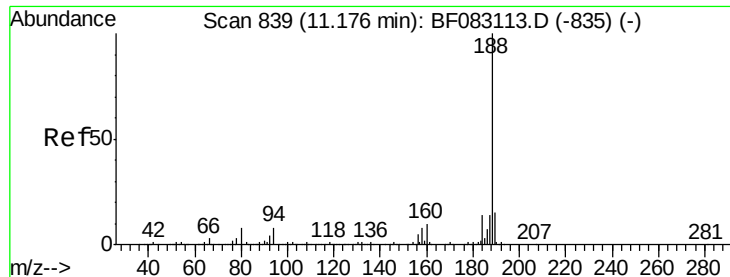


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 802

Delta R.T. -0.02 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Instrument :

BNA_F

ClientSampleId :

MW-02

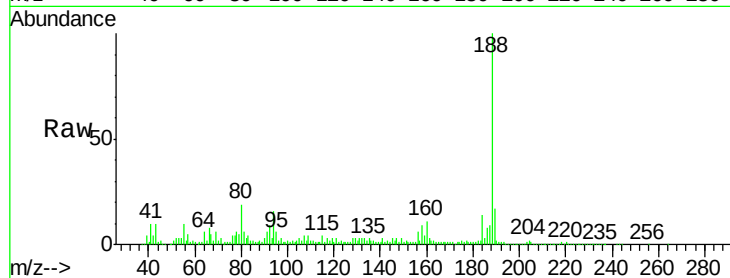
Tgt Ion:188 Resp: 552998

Ion Ratio Lower Upper

188 100

94 15.5 6.0 9.0#

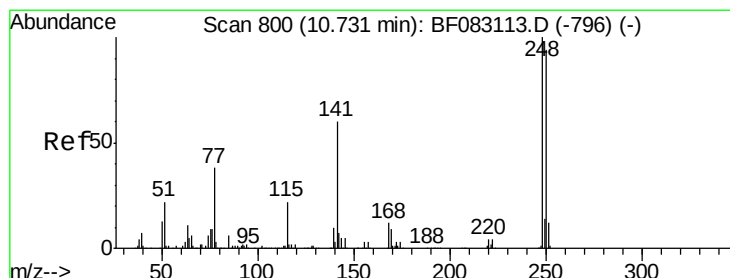
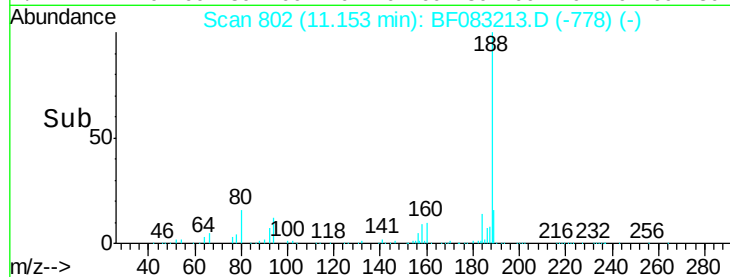
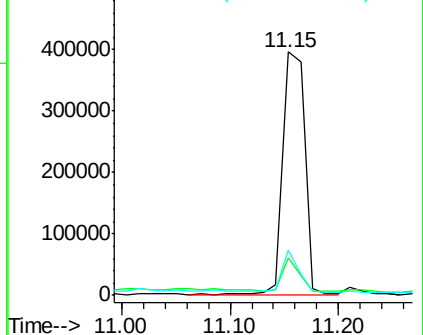
80 18.8 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 5.00 ng

RT: 10.48 min Scan# 743

Delta R.T. -0.25 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

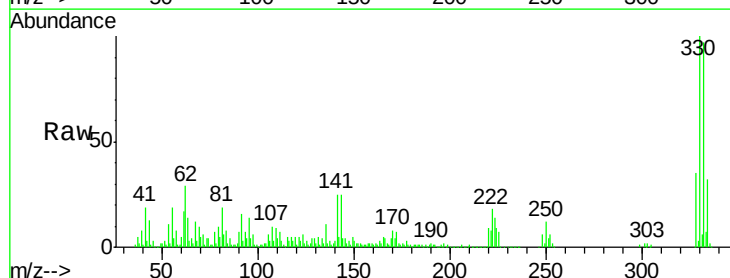
Tgt Ion:248 Resp: 30676

Ion Ratio Lower Upper

248 100

250 201.6 75.4 113.2#

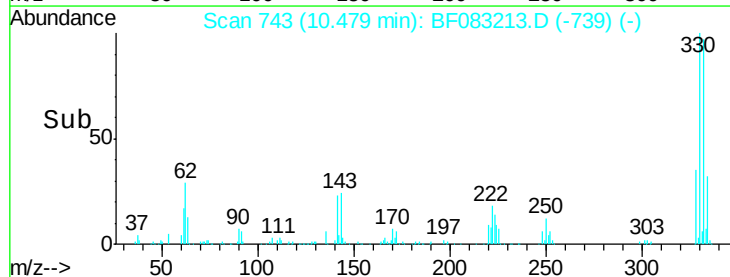
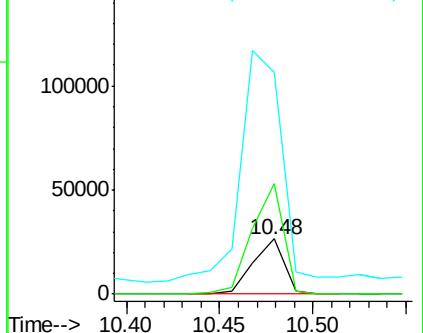
141 404.7 48.1 72.1#

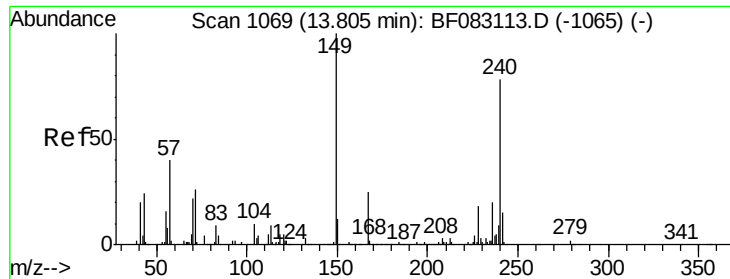


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Instrument :

BNA_F

ClientSampleId :

MW-02

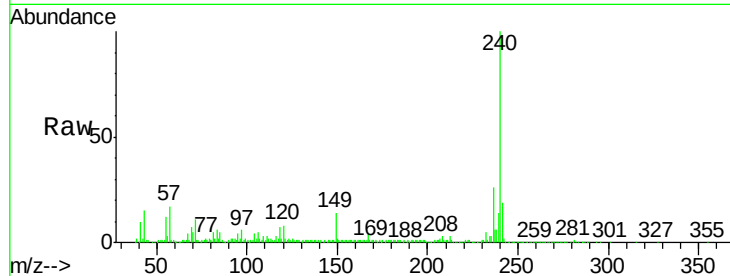
Tgt Ion:240 Resp: 420376

Ion Ratio Lower Upper

240 100

120 7.5 5.4 8.2

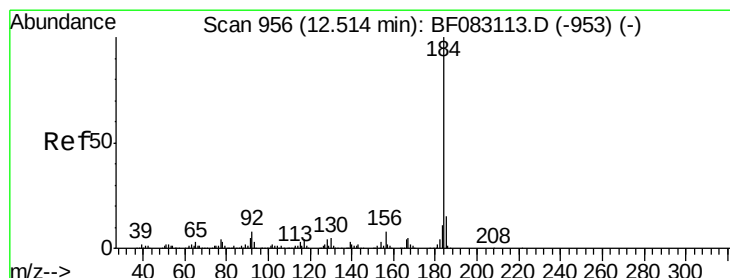
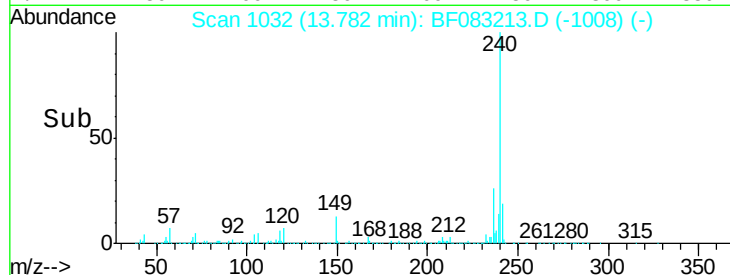
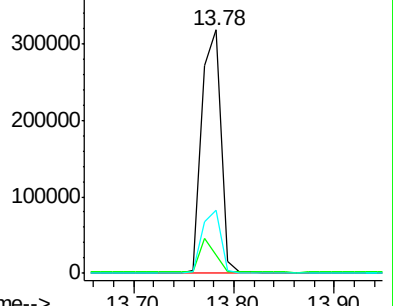
236 25.8 20.6 31.0



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



#76

Benzidine

Concen: 16.43 ng

RT: 12.38 min Scan# 909

Delta R.T. -0.14 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

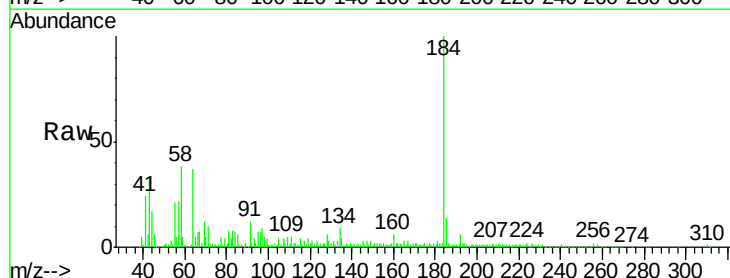
Tgt Ion:184 Resp: 181058

Ion Ratio Lower Upper

184 100

185 14.0 11.7 17.5

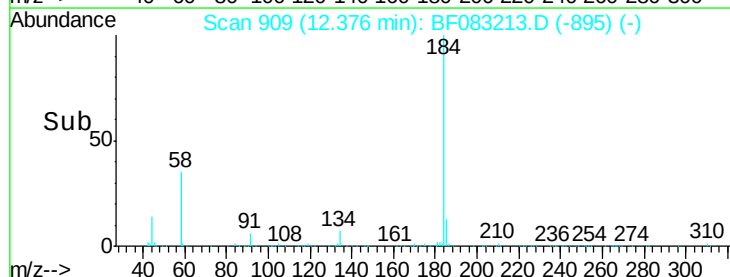
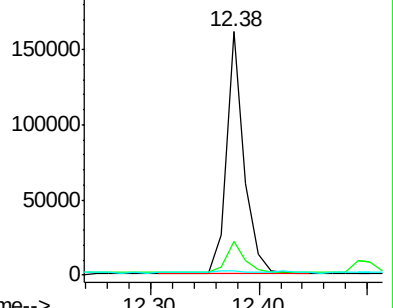
183 1.9 8.8 13.2#

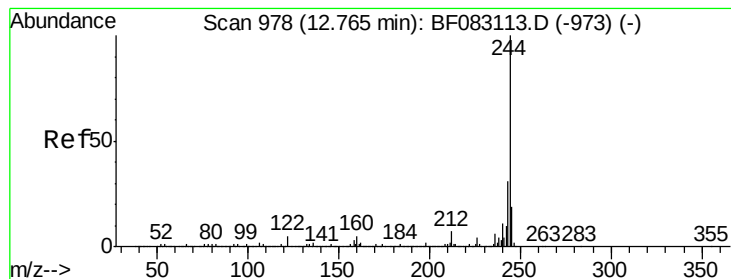


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.62 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

Instrument :

BNA_F

ClientSampled :

MW-02

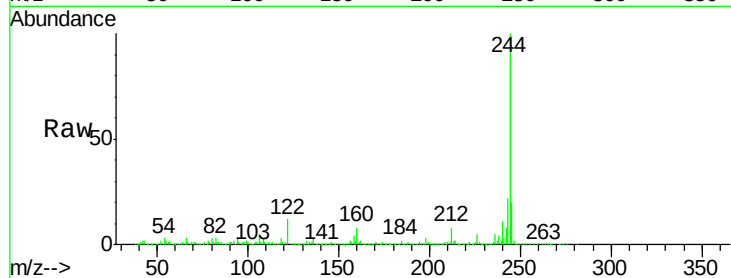
Tgt Ion:244 Resp: 1635484

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.2

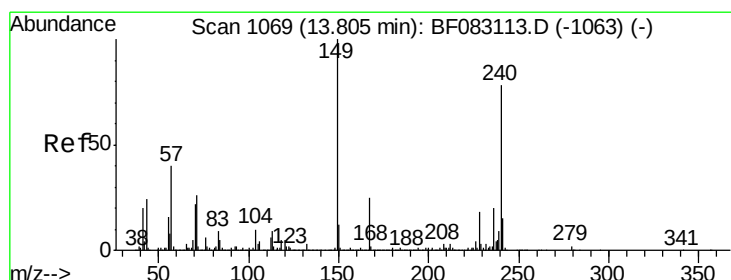
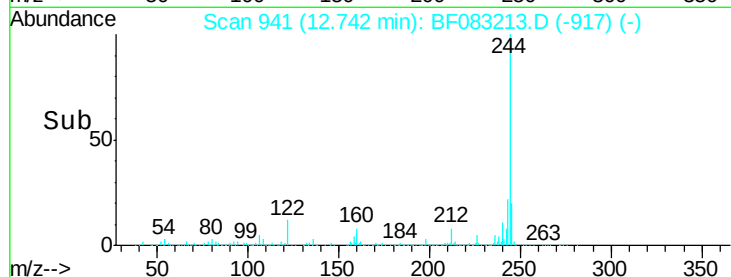
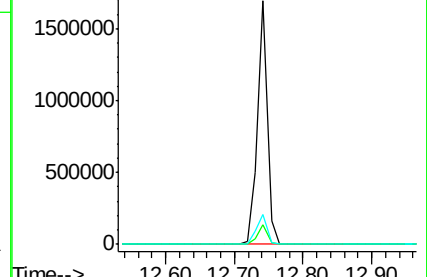
122 12.3 4.3 6.5#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.36 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083213.D

Acq: 23 Nov 2015 19:40

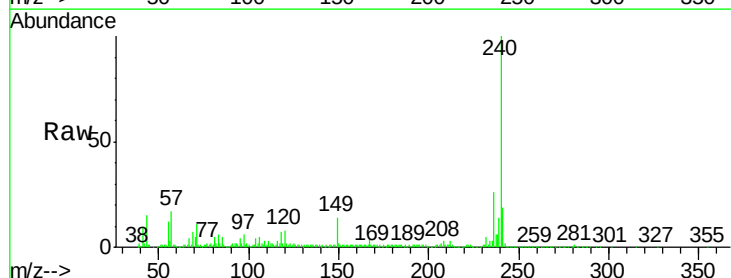
Tgt Ion:149 Resp: 41815

Ion Ratio Lower Upper

149 100

167 30.1 20.1 30.1

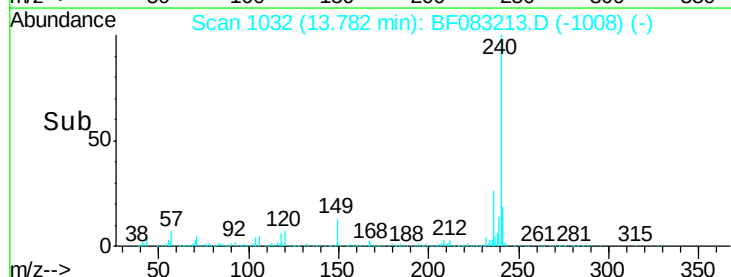
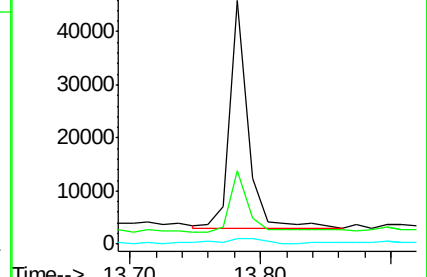
279 2.5 1.7 2.5

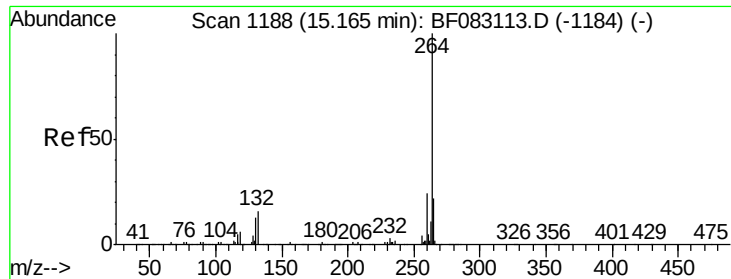


Abundance Ion 149.00 (148.70 to 149.70): E

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: 15.14 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF083213.D
Acq: 23 Nov 2015 19:40

Instrument :
BNA_F
ClientSampleId :
MW-02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	21.0	18.2	27.4

