

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
 Data File : BF083212.D
 Acq On : 23 Nov 2015 19:11
 Operator : UM/IZ
 Sample : G4437-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-22

Quant Time: Nov 24 04:34:29 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	179909	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	602106	20.00	ng	-0.02
38) Acenaphthene-d10	9.69	164	322417	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	523017	20.00	ng	0.00
75) Chrysene-d12	13.78	240	413926	20.00	ng	-0.02
86) Perylene-d12	15.14	264	368587	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	811126	68.16	ng	-0.03
7) Phenol-d6	6.34	99	763723	49.60	ng	0.00
23) Nitrobenzene-d5	7.22	82	1612983	122.41	ng	-0.01
41) 2,4,6-Tribromophenol	10.50	330	423881	128.51	ng	0.01
44) 2-Fluorobiphenyl	9.02	172	1772207	76.65	ng	-0.01
78) Terphenyl-d14	12.75	244	1619208	92.12	ng	-0.01

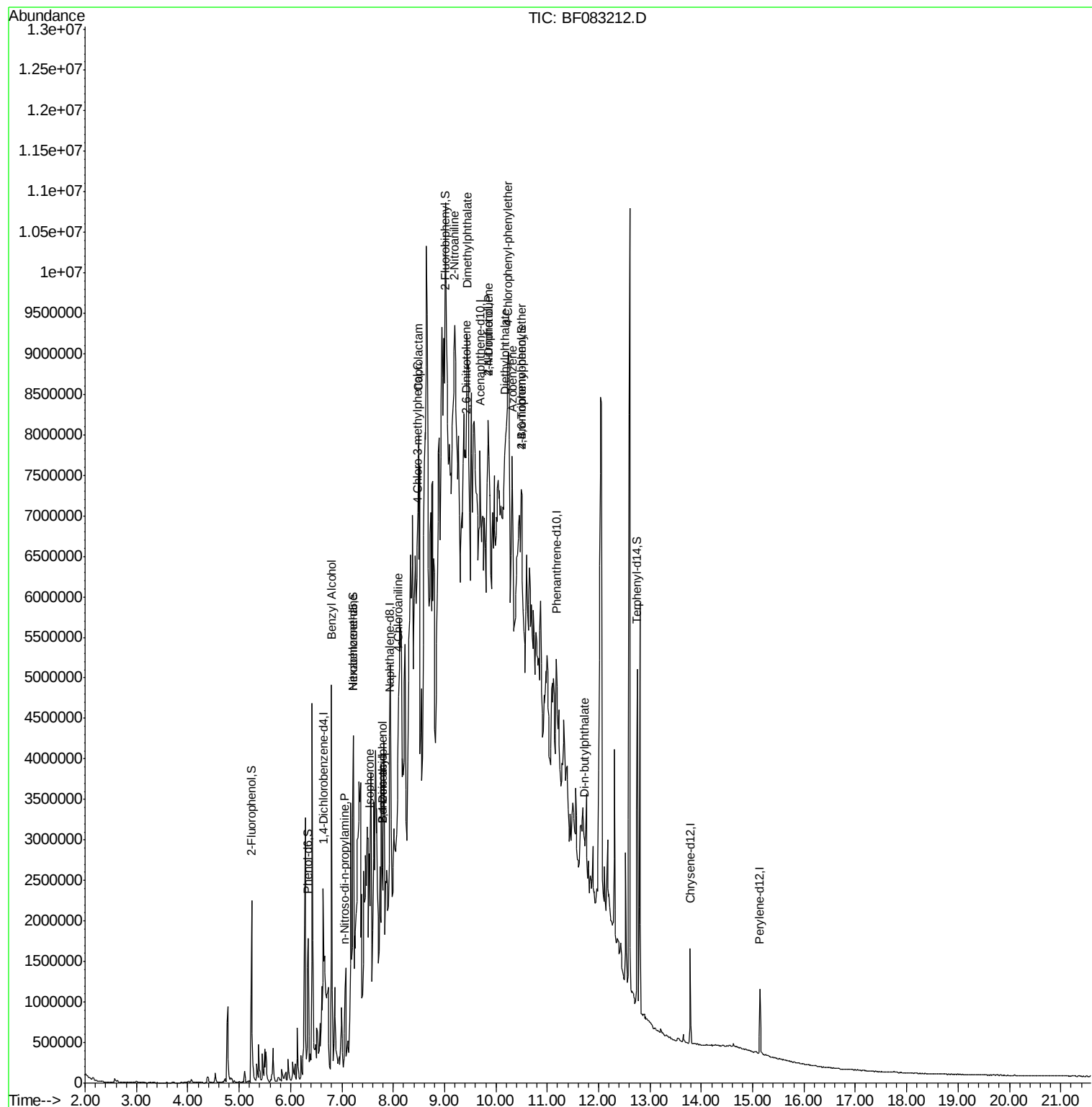
Target Compounds				Qvalue		
9) Benzaldehyde	6.20	77	3529	Below Cal	#	50
15) Benzyl Alcohol	6.80	79	28096	2.18	ng	47
18) Hexachloroethane	7.22	117	27776	5.31	ng	12
19) n-Nitroso-di-n-propylamine	7.06	70	76096	7.10	ng	1
25) Isophorone	7.53	82	107370	4.30	ng	1
27) 2,4-Dimethylphenol	7.78	122	27985	2.82	ng	89
32) Benzoic acid	7.78	122	28639	3.71	ng	44
33) 4-Chloroaniline	8.10	127	71453	5.67	ng	37
35) Caprolactam	8.49	113	198231	65.56	ng	1
36) 4-Chloro-3-methylphenol	8.47	107	22465	2.06	ng	71
47) 2-Nitroaniline	9.20	65	158519	20.79	ng	36
49) Dimethylphthalate	9.44	163	85545	3.45	ng	6
50) 2,6-Dinitrotoluene	9.42	165	21446	3.85	ng	36
55) 4-Nitrophenol	9.85	139	58574	12.86	ng	1
56) 2,4-Dinitrotoluene	9.85	165	14270	2.02	ng	1
59) Diethylphthalate	10.18	149	1436010	58.12	ng	95
60) 4-Chlorophenyl-phenylether	10.23	204	25984	2.39	ng	83
62) Azobenzene	10.32	77	90509	3.21	ng	37
66) 4-Bromophenyl-phenylether	10.50	248	28731	4.95	ng	1
73) Di-n-butylphthalate	11.73	149	111624	3.35	ng	55

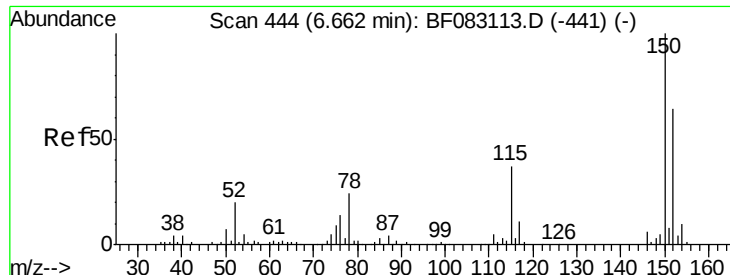
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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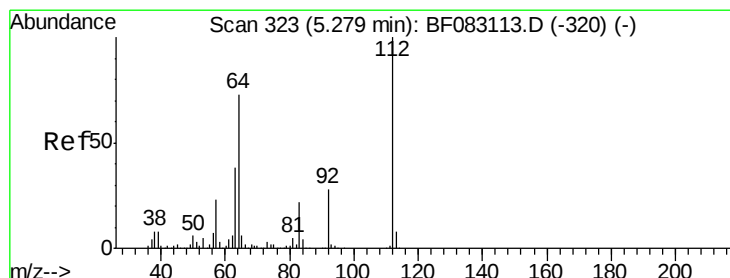
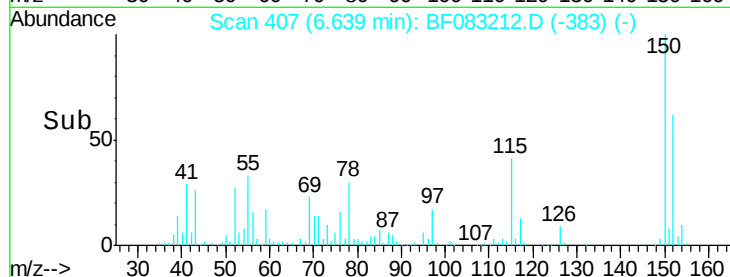
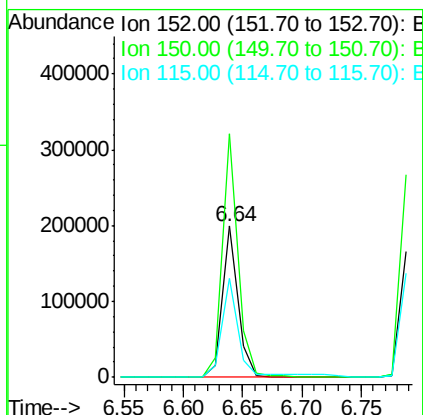
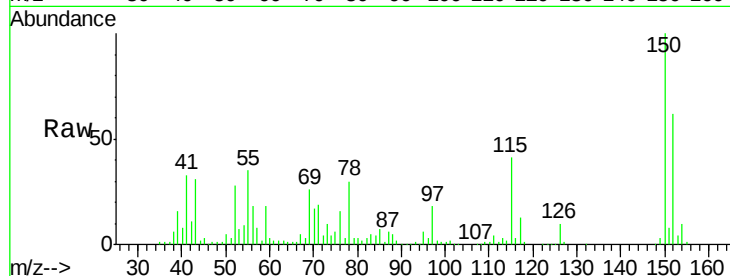


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.64 min Scan# 407
 Delta R.T. -0.02 min
 Lab File: BF083212.D
 Acq: 23 Nov 2015 19:11

Instrument :
 BNA_F
 ClientSampleId :
 MW-22

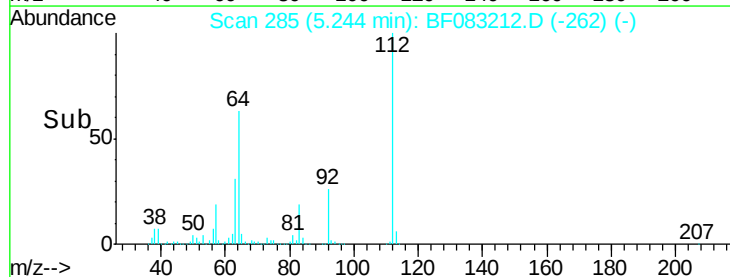
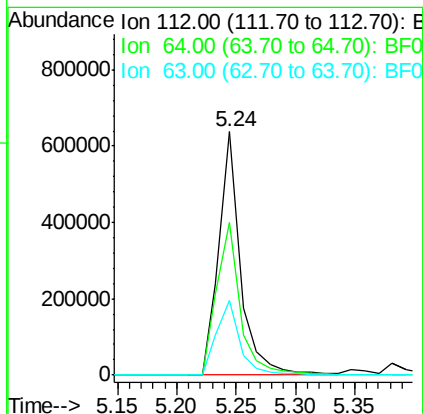
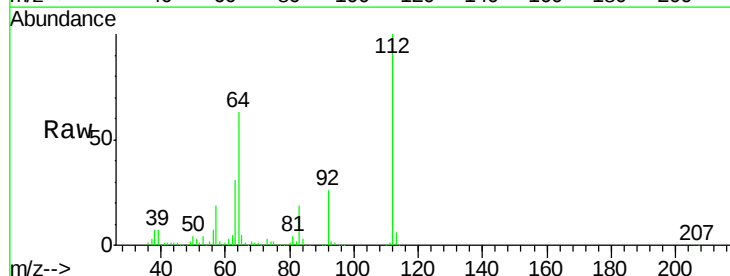
Tgt Ion:152 Resp: 179909
 Ion Ratio Lower Upper
 152 100
 150 161.1 125.8 188.8
 115 65.9 46.9 70.3

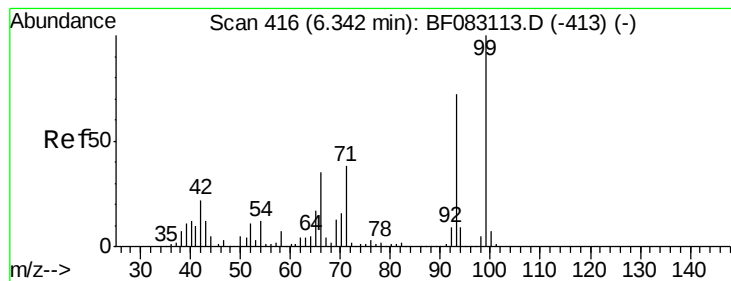


#5

2-Fluorophenol
 Concen: 68.16 ng
 RT: 5.24 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF083212.D
 Acq: 23 Nov 2015 19:11

Tgt Ion:112 Resp: 811126
 Ion Ratio Lower Upper
 112 100
 64 62.8 58.4 87.6
 63 30.9 30.0 45.0





#7

Phenol-d6

Concen: 49.60 ng

RT: 6.34 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

Instrument :

BNA_F

ClientSampleId :

MW-22

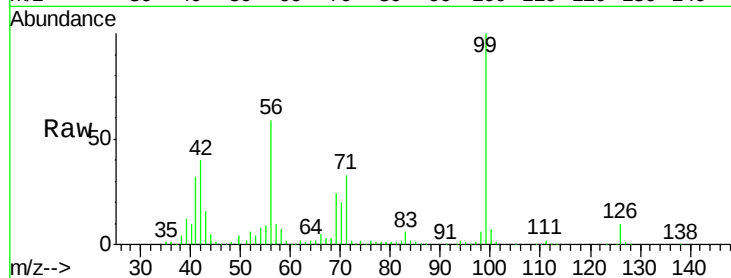
Tgt Ion: 99 Resp: 763723

Ion Ratio Lower Upper

99 100

42 40.2 17.7 26.5#

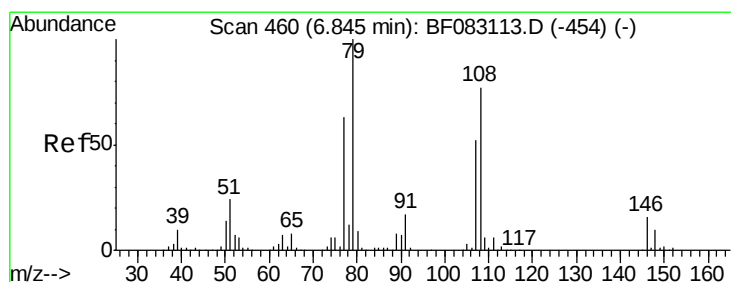
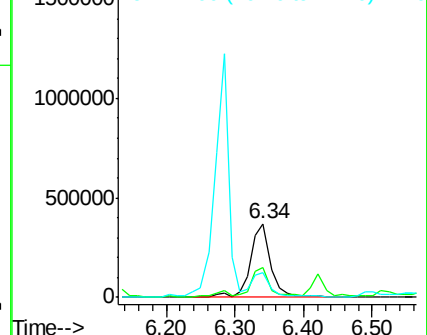
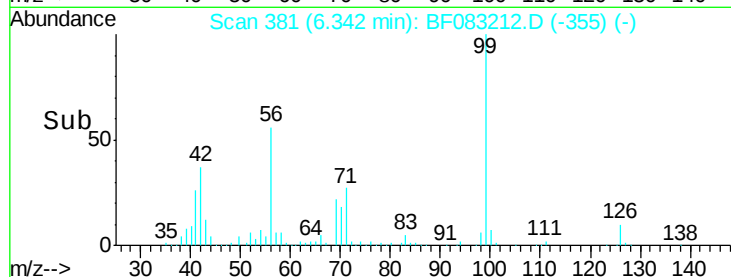
71 33.2 30.2 45.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.80 min Scan# 421

Delta R.T. -0.05 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

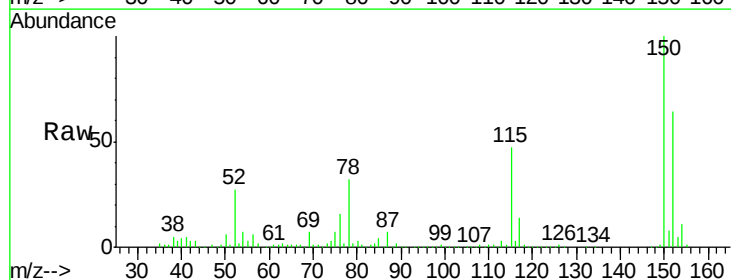
Tgt Ion: 79 Resp: 28096

Ion Ratio Lower Upper

79 100

108 32.2 61.4 92.2#

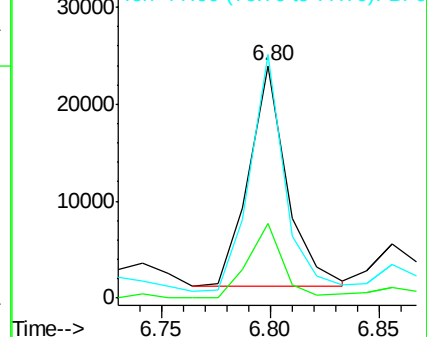
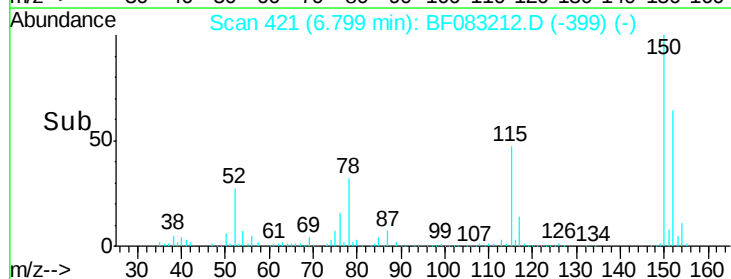
77 104.7 50.5 75.7#

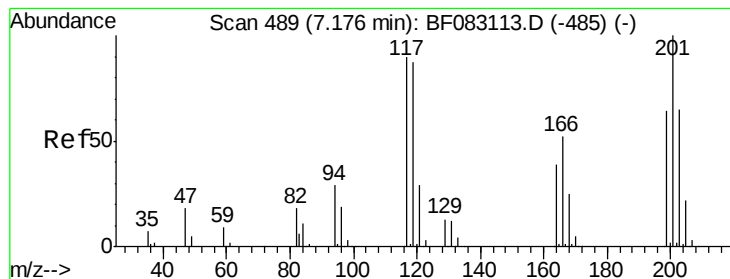


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 5.31 ng

RT: 7.22 min Scan# 458

Delta R.T. 0.05 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

Instrument :

BNA_F

ClientSampled :

MW-22

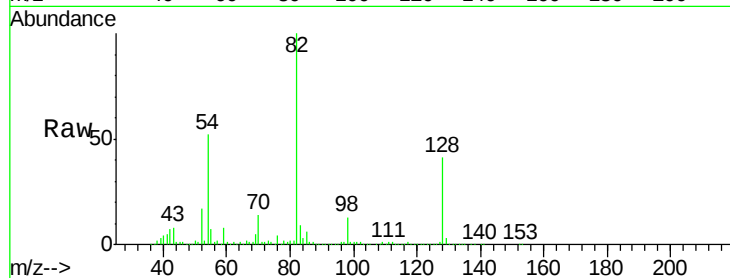
Tgt Ion:117 Resp: 27776

Ion Ratio Lower Upper

117 100

119 27.7 76.8 115.2#

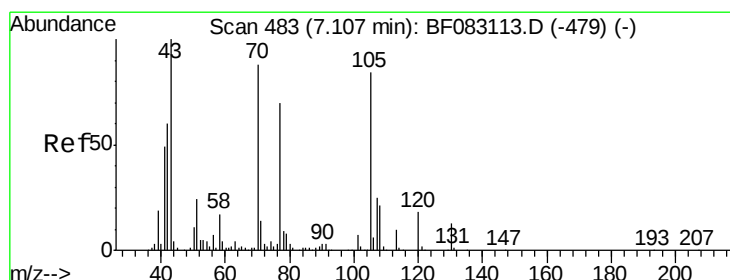
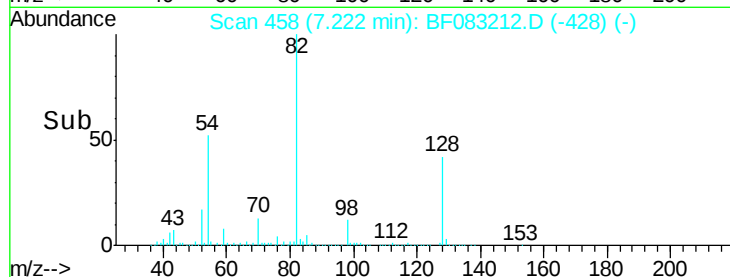
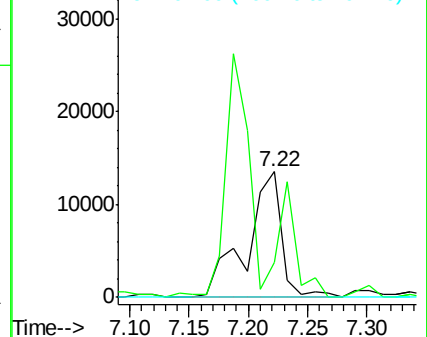
201 0.0 88.6 133.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 7.10 ng

RT: 7.06 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

Tgt Ion: 70 Resp: 76096

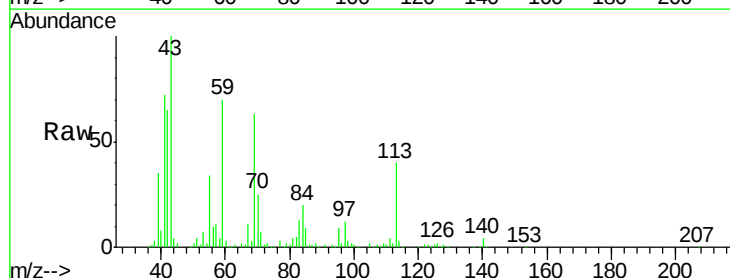
Ion Ratio Lower Upper

70 100

42 264.3 54.5 81.7#

101 1.5 6.6 9.8#

130 0.0 11.5 17.3#

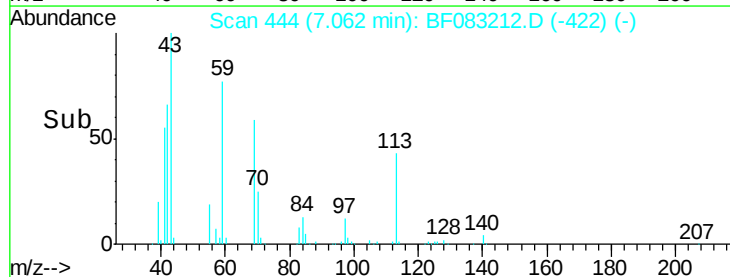
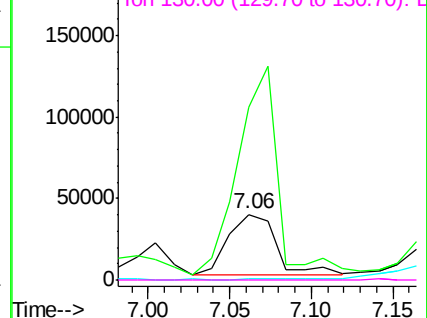


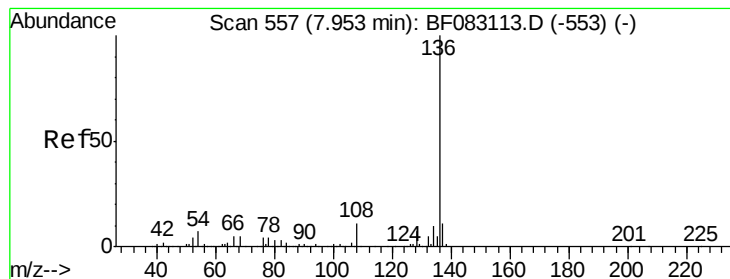
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

Instrument :

BNA_F

ClientSampleId :

MW-22

Tgt Ion: 136 Resp: 602106

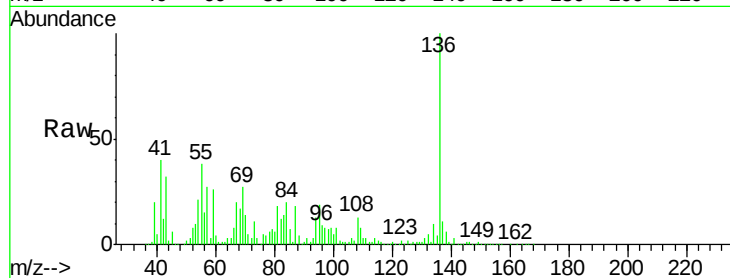
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 20.7 5.8 8.6#

68 16.6 3.8 5.8#



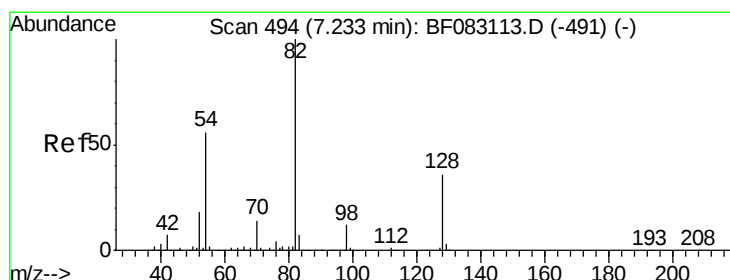
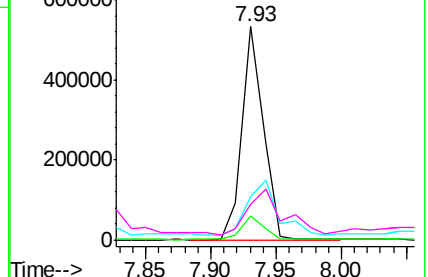
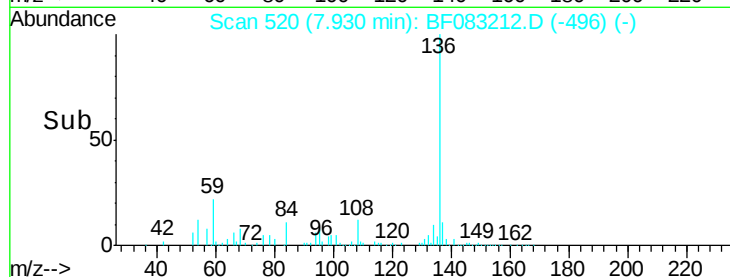
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 122.41 ng

RT: 7.22 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

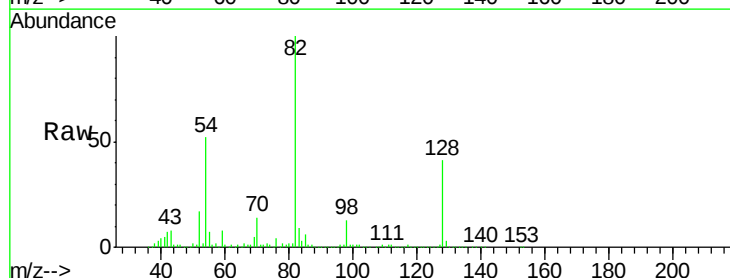
Tgt Ion: 82 Resp: 1612983

Ion Ratio Lower Upper

82 100

128 41.5 28.5 42.7

54 52.1 44.6 67.0

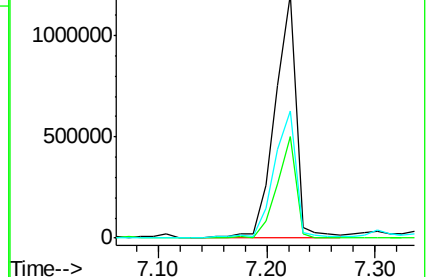
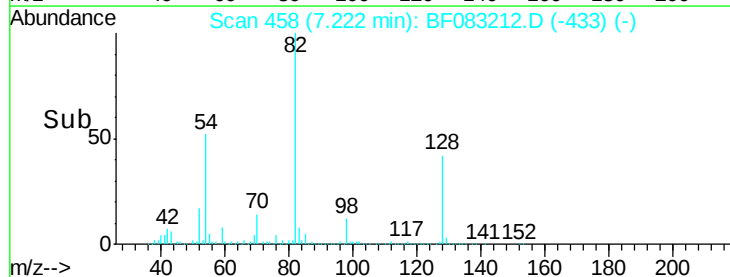


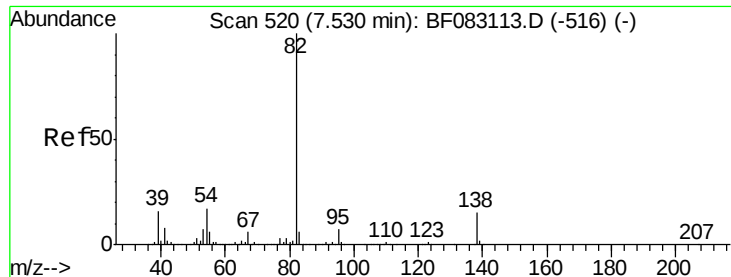
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#25

Isophorone

Concen: 4.30 ng

RT: 7.53 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

Instrument :

BNA_F

ClientSampleId :

MW-22

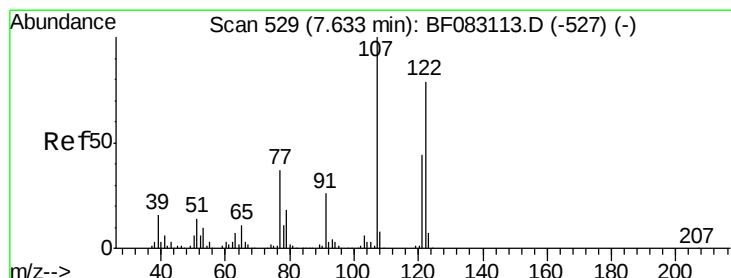
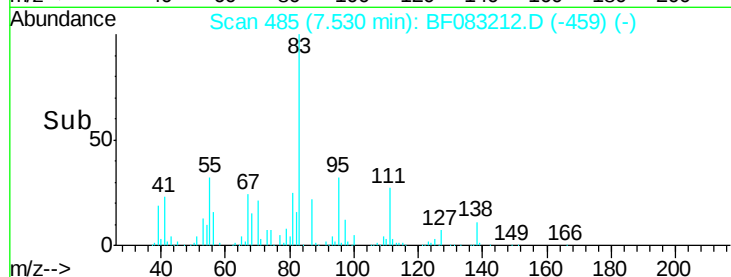
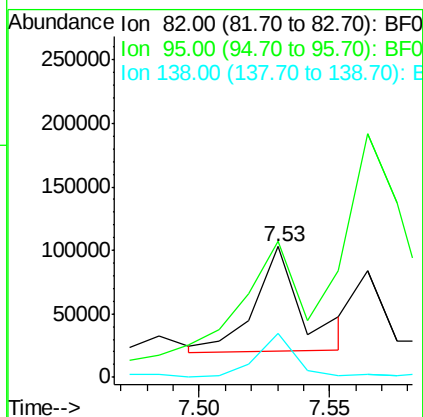
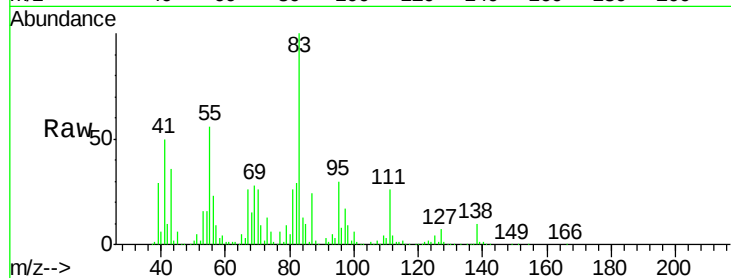
Tgt Ion: 82 Resp: 107370

Ion Ratio Lower Upper

82 100

95 104.2 5.8 8.8#

138 34.1 11.6 17.4#



#27

2,4-Dimethylphenol

Concen: 2.82 ng

RT: 7.78 min Scan# 507

Delta R.T. 0.15 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

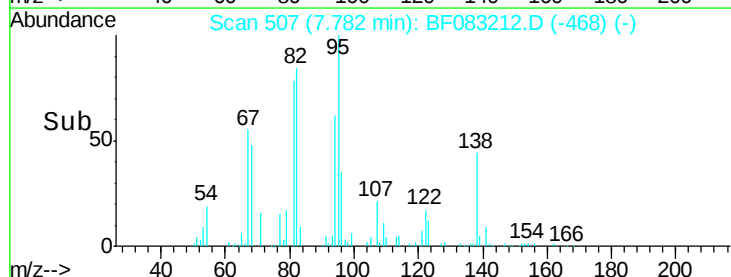
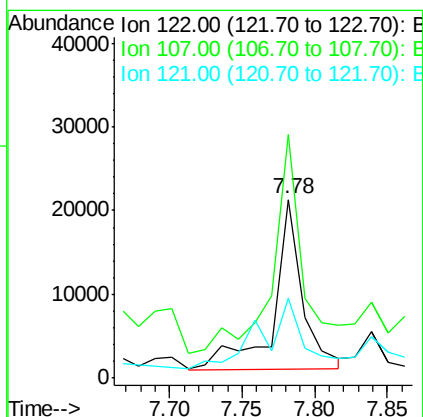
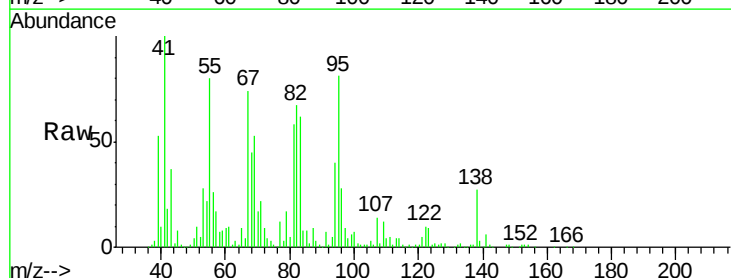
Tgt Ion: 122 Resp: 27985

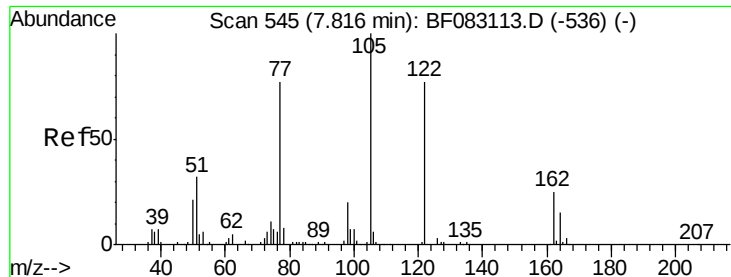
Ion Ratio Lower Upper

122 100

107 136.3 101.1 151.7

121 44.9 44.9 67.3

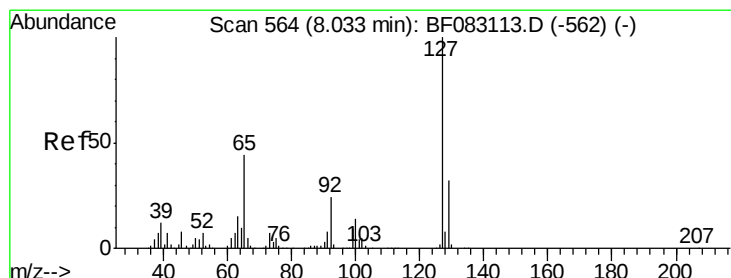
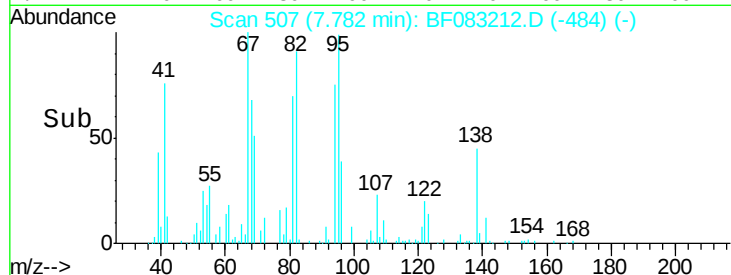
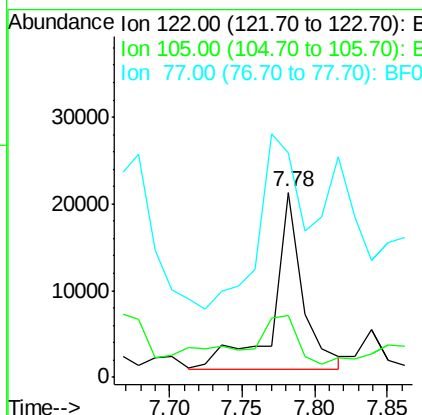
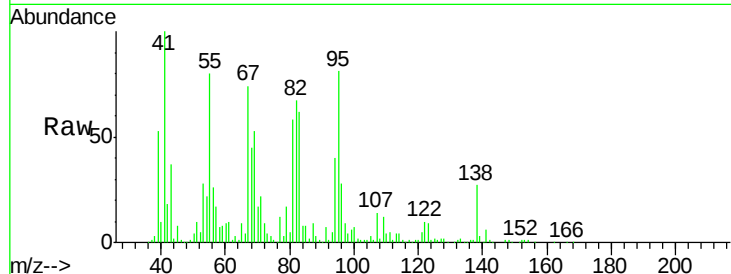




#32
Benzoic acid
Concen: 3.71 ng
RT: 7.78 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF083212.D
Acq: 23 Nov 2015 19:11

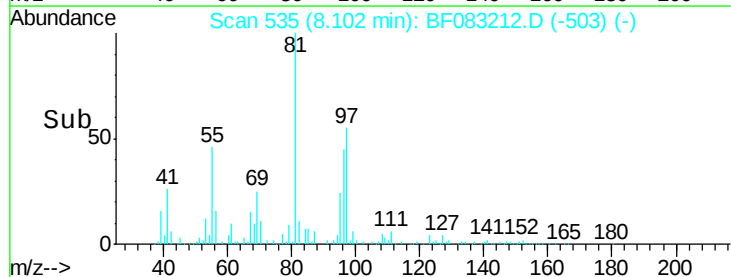
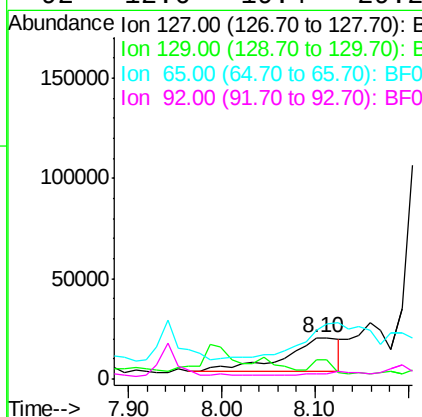
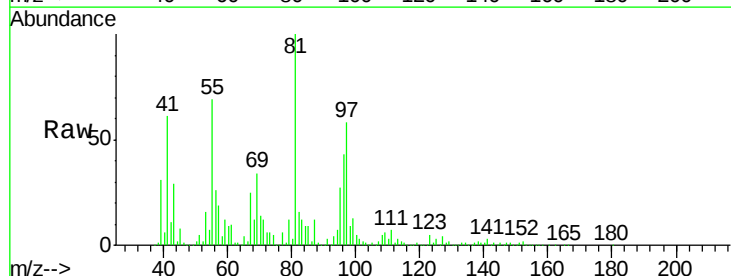
Instrument :
BNA_F
ClientSampleId :
MW-22

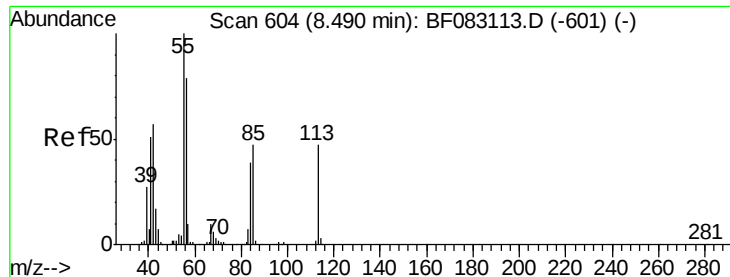
Tgt Ion:122 Resp: 28639
Ion Ratio Lower Upper
122 100
105 33.7 109.7 149.7#
77 121.2 79.7 119.7#



#33
4-Chloroaniline
Concen: 5.67 ng
RT: 8.10 min Scan# 535
Delta R.T. 0.07 min
Lab File: BF083212.D
Acq: 23 Nov 2015 19:11

Tgt Ion:127 Resp: 71453
Ion Ratio Lower Upper
127 100
129 45.6 25.7 38.5#
65 118.1 35.5 53.3#
92 12.6 19.4 29.2#

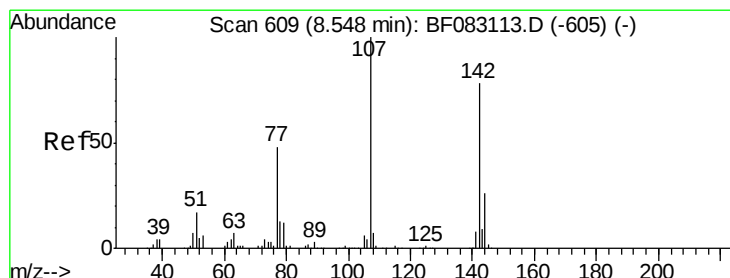
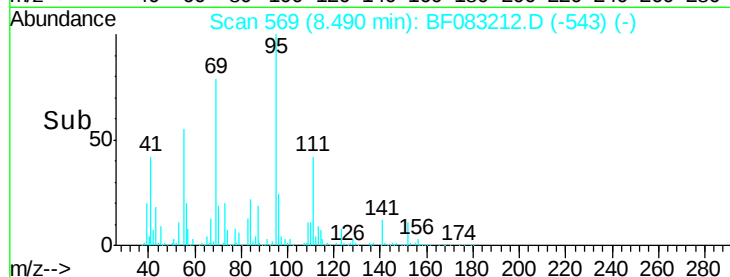
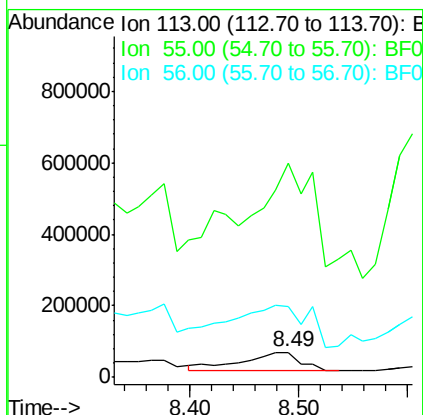
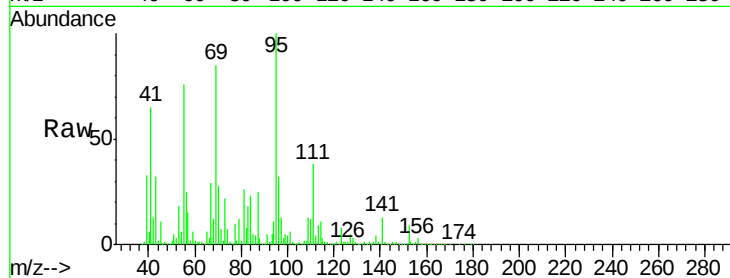




#35
 Caprolactam
 Concen: 65.56 ng
 RT: 8.49 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: BF083212.D
 Acq: 23 Nov 2015 19:11

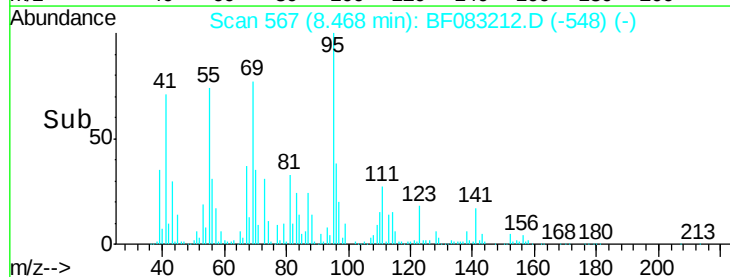
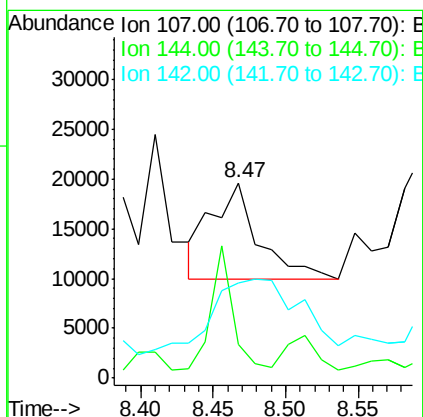
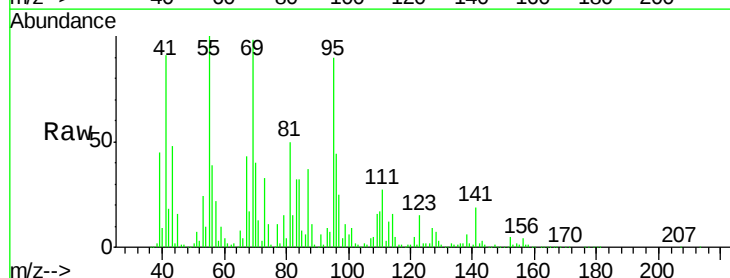
Instrument :
 BNA_F
 ClientSampleId :
 MW-22

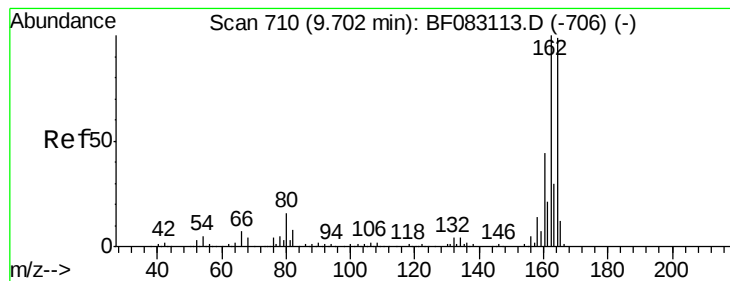
Tgt Ion:113 Resp: 198231
 Ion Ratio Lower Upper
 113 100
 55 864.5 192.6 232.6#
 56 287.7 148.6 188.6#



#36
 4-Chloro-3-methylphenol
 Concen: 2.06 ng
 RT: 8.47 min Scan# 567
 Delta R.T. -0.08 min
 Lab File: BF083212.D
 Acq: 23 Nov 2015 19:11

Tgt Ion:107 Resp: 22465
 Ion Ratio Lower Upper
 107 100
 144 17.4 20.8 31.2#
 142 49.0 62.1 93.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

Instrument :

BNA_F

ClientSampleId :

MW-22

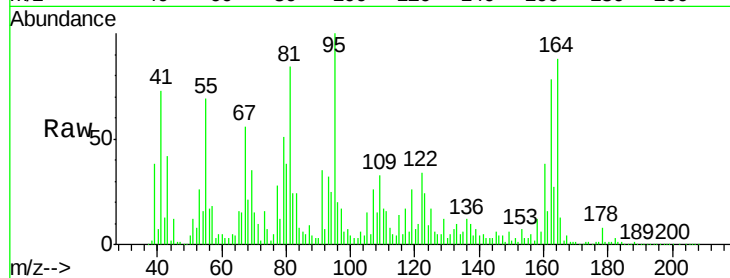
Tgt Ion:164 Resp: 322417

Ion Ratio Lower Upper

164 100

162 88.8 81.2 121.8

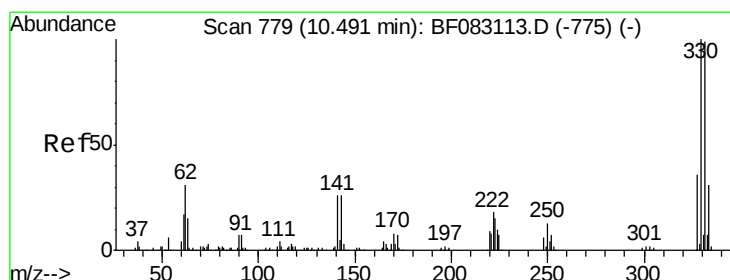
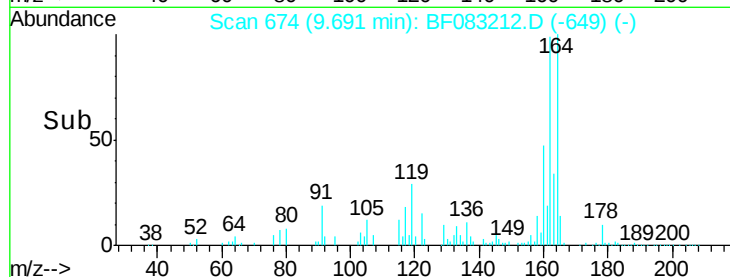
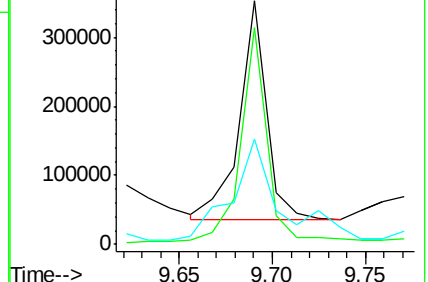
160 43.1 35.6 53.4



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: 128.51 ng

RT: 10.50 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

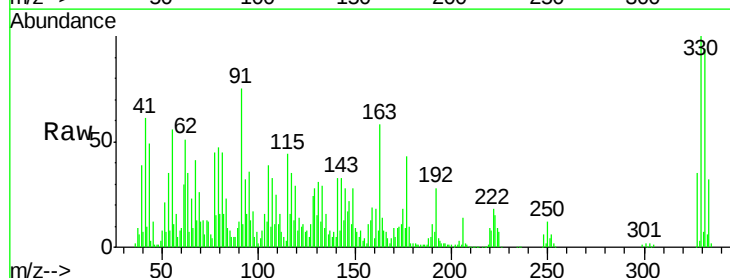
Tgt Ion:330 Resp: 423881

Ion Ratio Lower Upper

330 100

332 94.7 77.7 116.5

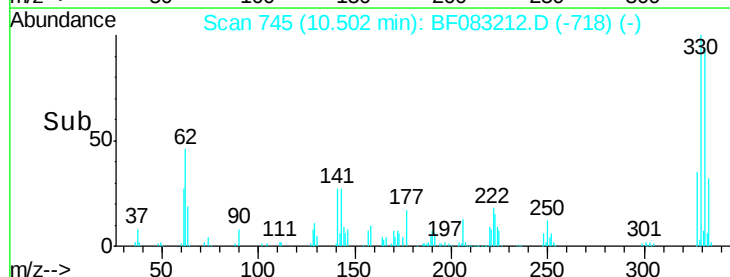
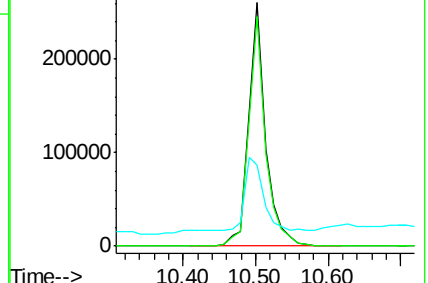
141 44.7 29.7 44.5#

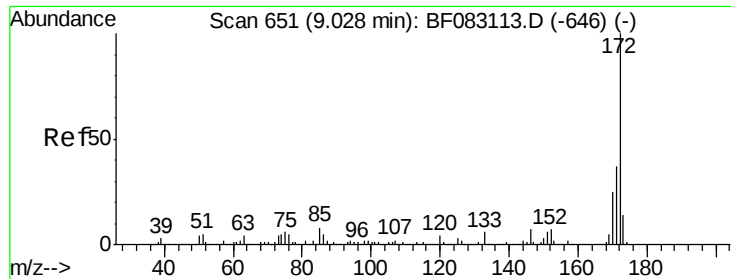


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

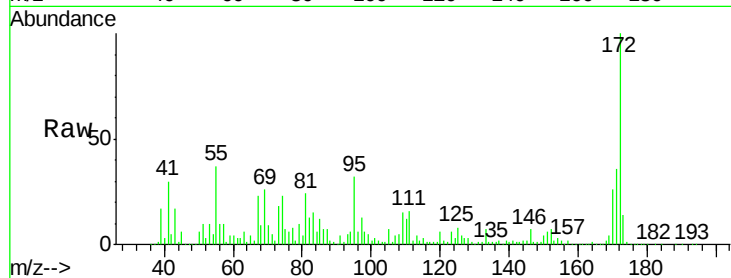




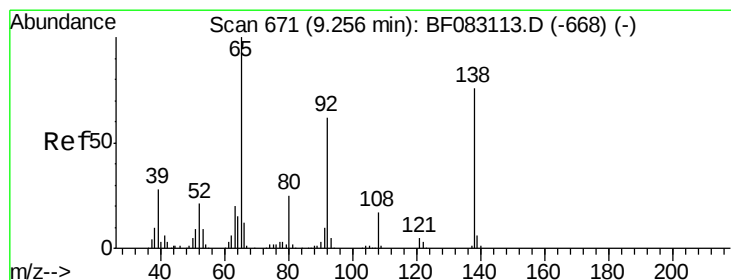
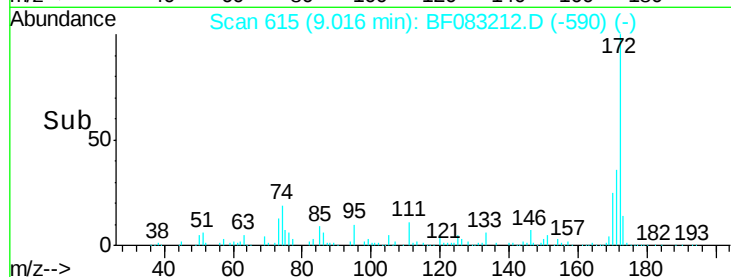
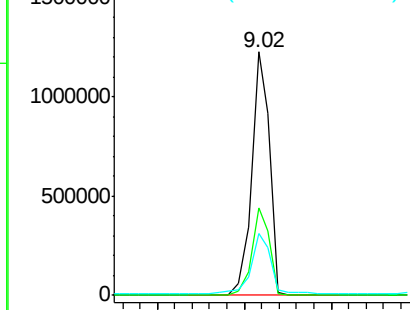
#44
 2-Fluorobiphenyl
 Concen: 76.65 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083212.D
 Acq: 23 Nov 2015 19:11

Instrument :
 BNA_F
 ClientSampleId :
 MW-22

Tgt Ion: 172 Resp: 1772207
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.5 44.3
 170 25.6 19.9 29.9

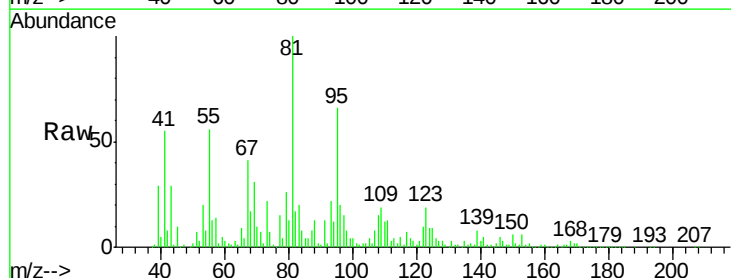


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

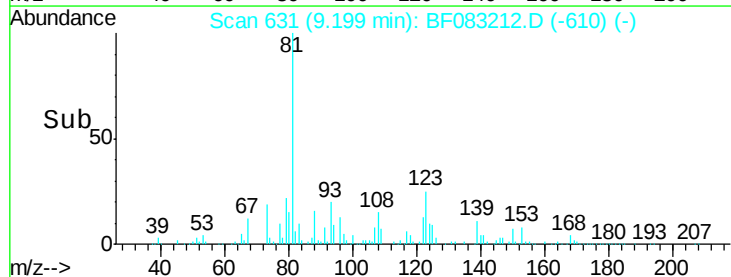
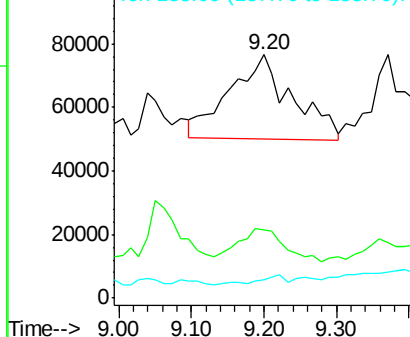


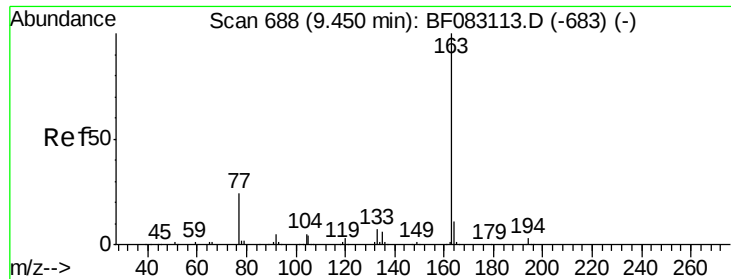
#47
 2-Nitroaniline
 Concen: 20.79 ng
 RT: 9.20 min Scan# 631
 Delta R.T. -0.06 min
 Lab File: BF083212.D
 Acq: 23 Nov 2015 19:11

Tgt Ion: 65 Resp: 158519
 Ion Ratio Lower Upper
 65 100
 92 28.0 49.5 74.3#
 138 7.6 60.7 91.1#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 3.45 ng

RT: 9.44 min Scan# 652

Delta R.T. -0.01 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

Instrument :

BNA_F

ClientSampleId :

MW-22

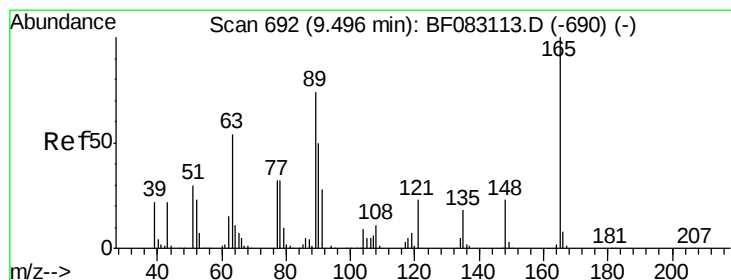
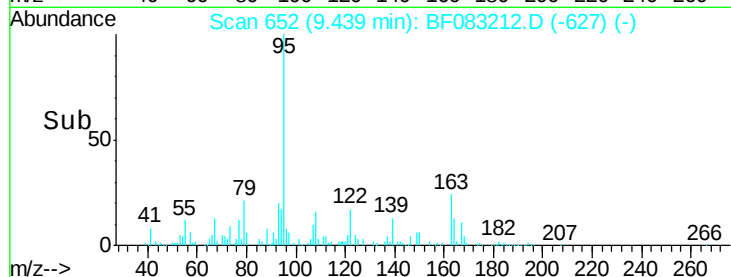
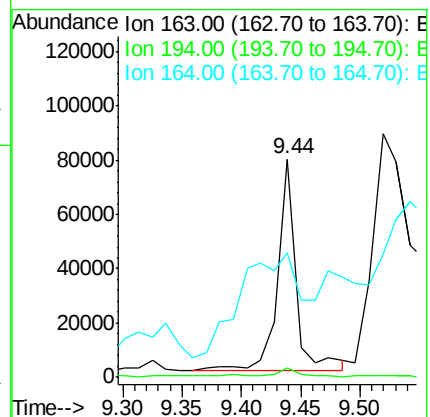
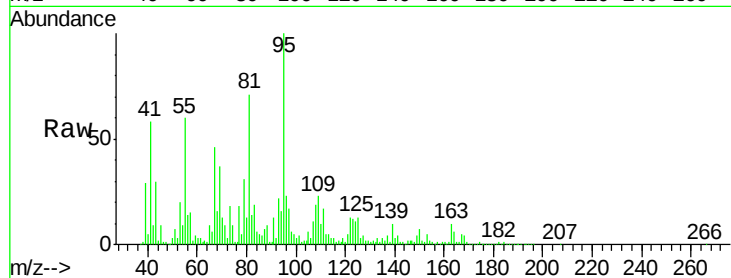
Tgt Ion:163 Resp: 85545

Ion Ratio Lower Upper

163 100

194 4.2 2.6 4.0#

164 56.8 8.6 12.8#



#50

2,6-Dinitrotoluene

Concen: 3.85 ng

RT: 9.42 min Scan# 650

Delta R.T. -0.08 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

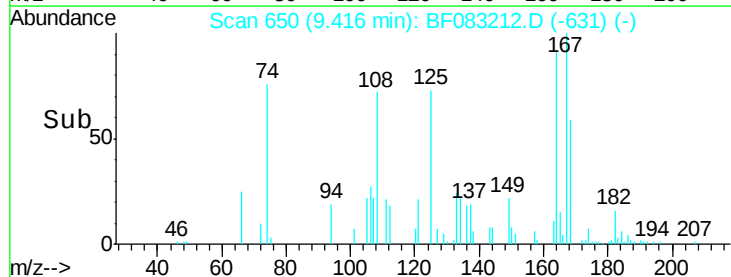
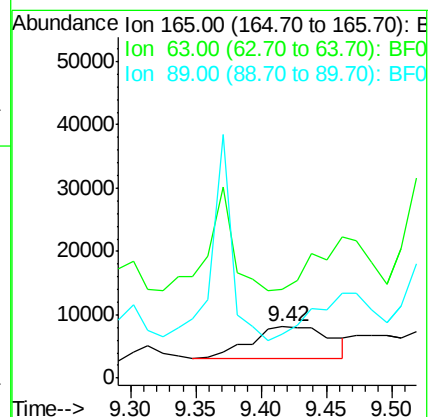
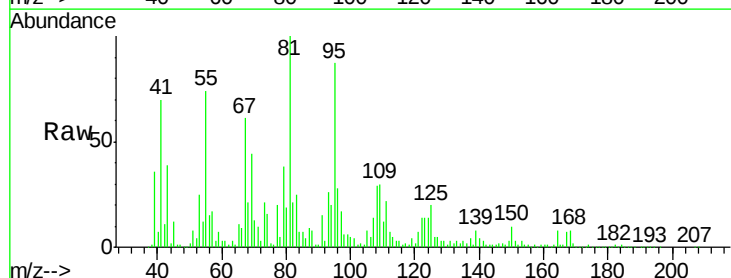
Tgt Ion:165 Resp: 21446

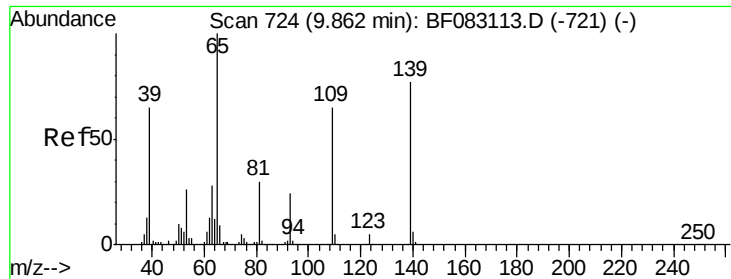
Ion Ratio Lower Upper

165 100

63 174.3 62.5 93.7#

89 86.1 59.1 88.7

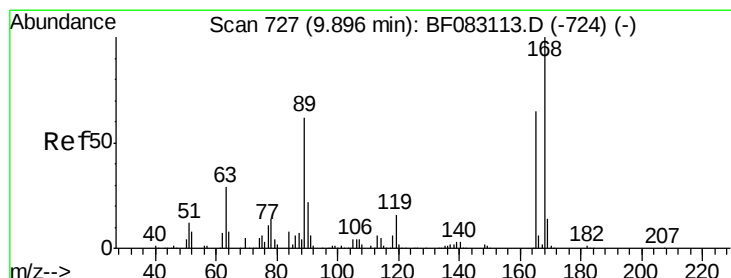
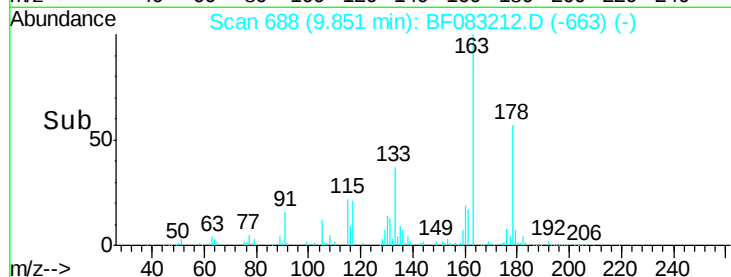
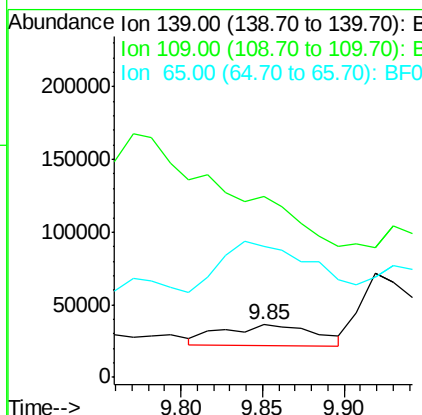
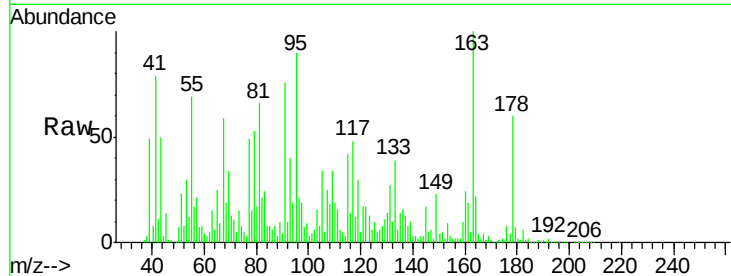




#55
4-Nitrophenol
Concen: 12.86 ng
RT: 9.85 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF083212.D
Acq: 23 Nov 2015 19:11

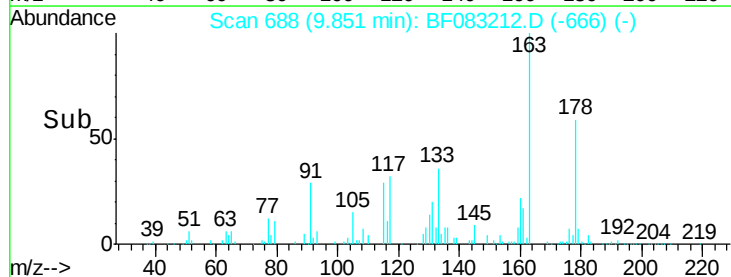
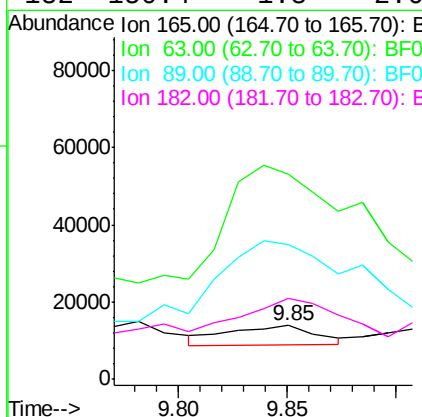
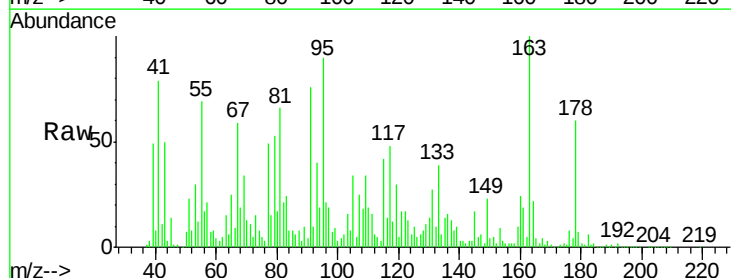
Instrument :
BNA_F
ClientSampled :
MW-22

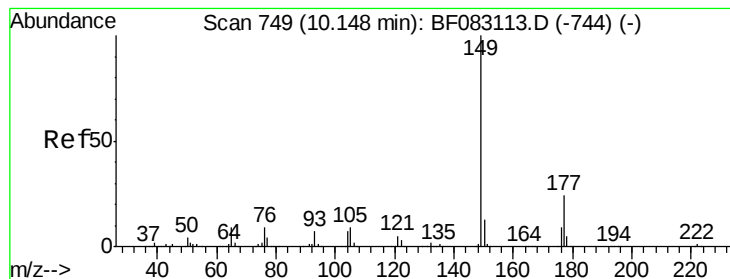
Tgt Ion:139 Resp: 58574
Ion Ratio Lower Upper
139 100
109 343.4 64.0 104.0#
65 250.2 109.5 149.5#



#56
2,4-Dinitrotoluene
Concen: 2.02 ng
RT: 9.85 min Scan# 688
Delta R.T. -0.05 min
Lab File: BF083212.D
Acq: 23 Nov 2015 19:11

Tgt Ion:165 Resp: 14270
Ion Ratio Lower Upper
165 100
63 382.5 54.5 81.7#
89 251.5 77.3 115.9#
182 150.4 1.8 2.6#





#59

Diethylphthalate

Concen: 58.12 ng

RT: 10.18 min Scan# 717

Delta R.T. 0.03 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

Instrument :

BNA_F

ClientSampleId :

MW-22

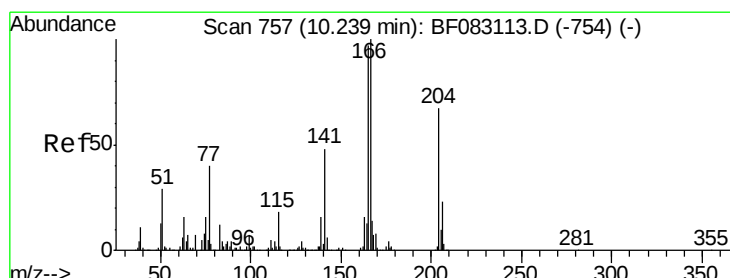
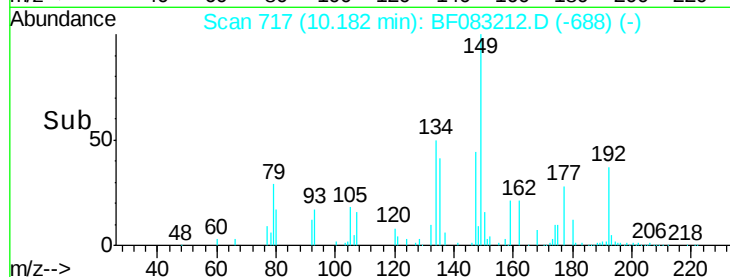
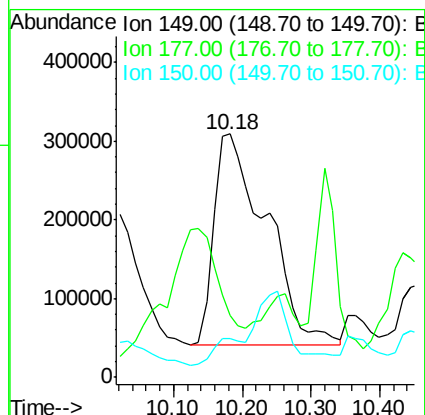
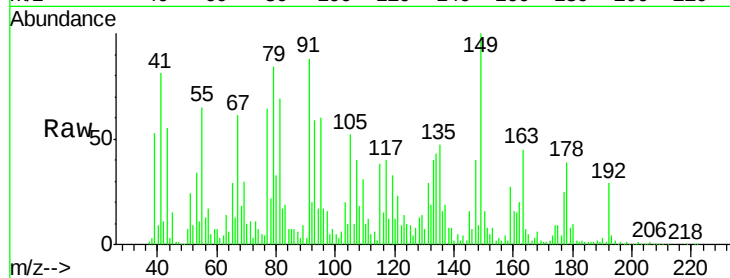
Tgt Ion:149 Resp: 1436010

Ion Ratio Lower Upper

149 100

177 25.5 19.4 29.2

150 16.2 10.2 15.2#



#60

4-Chlorophenyl-phenylether

Concen: 2.39 ng

RT: 10.23 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

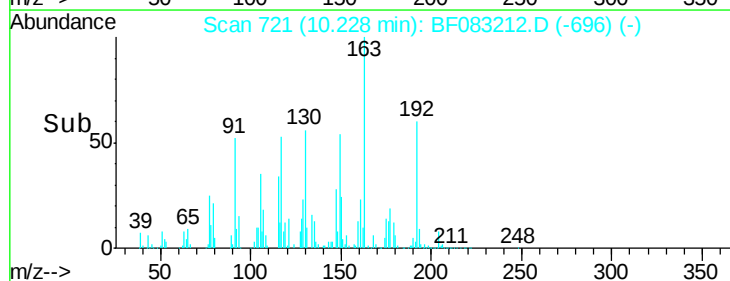
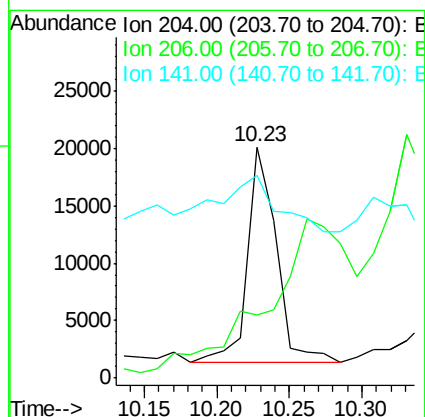
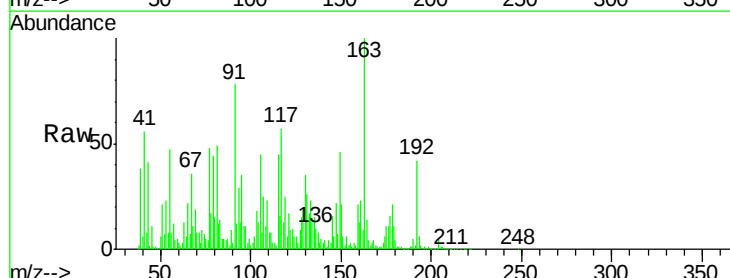
Tgt Ion:204 Resp: 25984

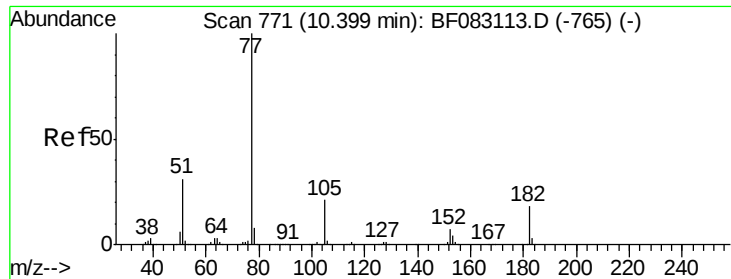
Ion Ratio Lower Upper

204 100

206 27.5 27.4 41.0

141 87.8 57.4 86.2#





#62

Azobenzene

Concen: 3.21 ng

RT: 10.32 min Scan# 729

Delta R.T. -0.08 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

Instrument :

BNA_F

ClientSampled :

MW-22

Tgt Ion: 77 Resp: 90509

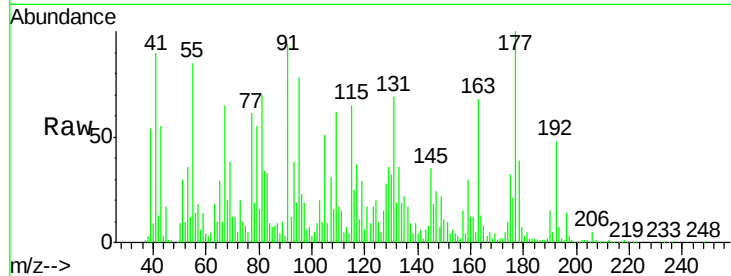
Ion Ratio Lower Upper

77 100

182 2.8 0.0 38.3

105 83.1 1.2 41.2#

51 48.6 11.1 51.1

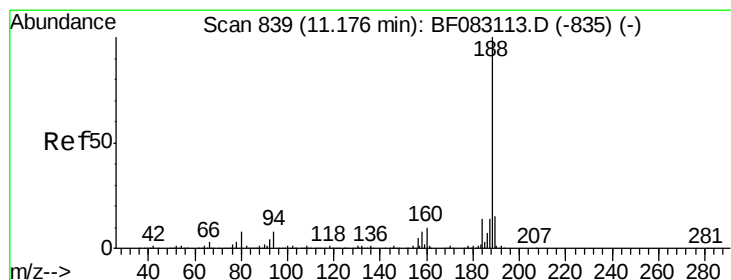
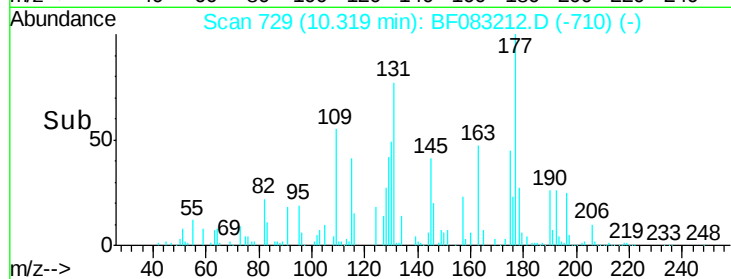
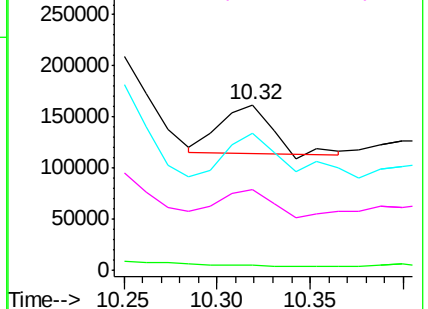


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF083212.D

Acq: 23 Nov 2015 19:11

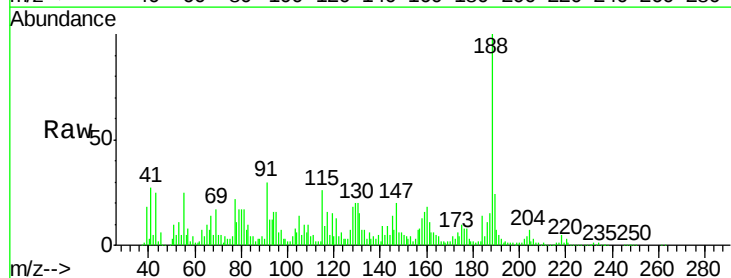
Tgt Ion: 188 Resp: 523017

Ion Ratio Lower Upper

188 100

94 15.5 6.0 9.0#

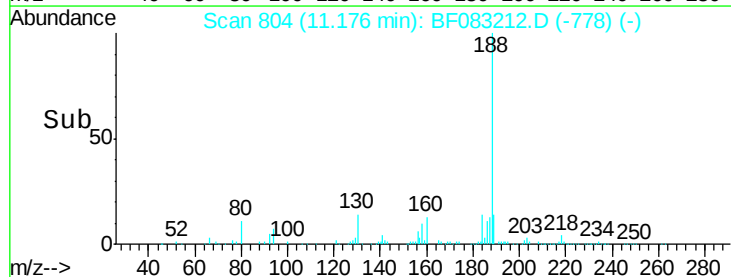
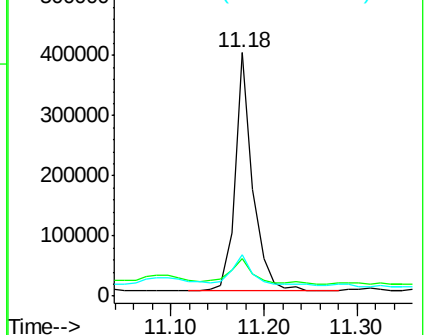
80 16.8 6.7 10.1#

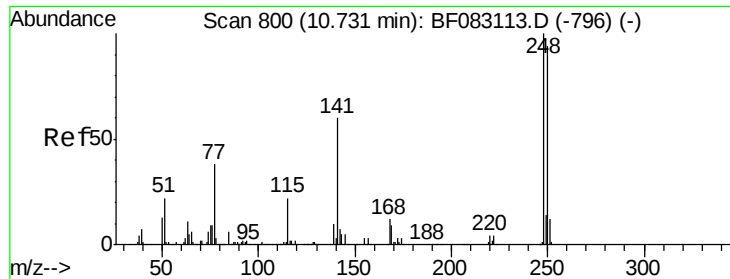


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

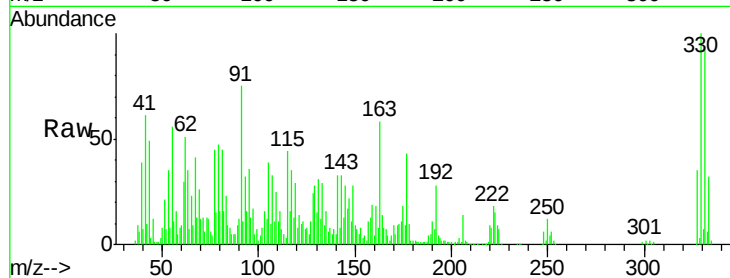




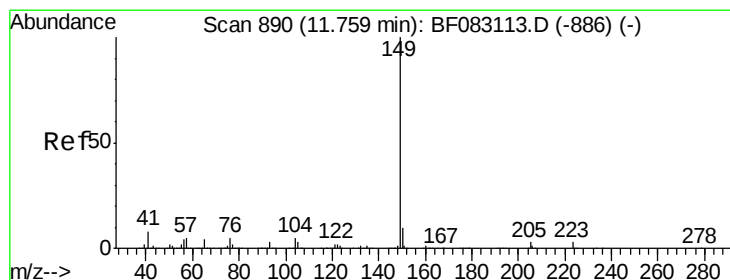
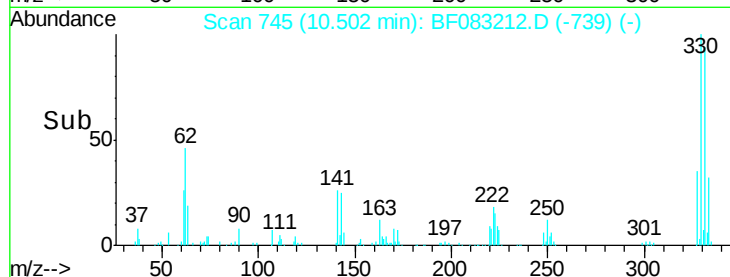
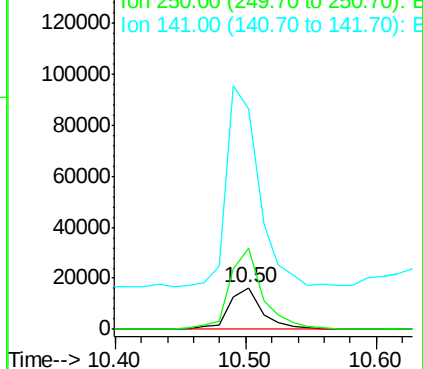
#66
 4-Bromophenyl-phenylether
 Concen: 4.95 ng
 RT: 10.50 min Scan# 745
 Delta R.T. -0.23 min
 Lab File: BF083212.D
 Acq: 23 Nov 2015 19:11

Instrument :
 BNA_F
 ClientSampleId :
 MW-22

Tgt Ion:248 Resp: 28731
 Ion Ratio Lower Upper
 248 100
 250 194.5 75.4 113.2#
 141 530.3 48.1 72.1#

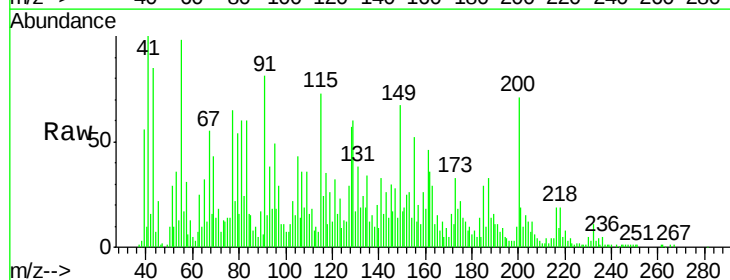


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

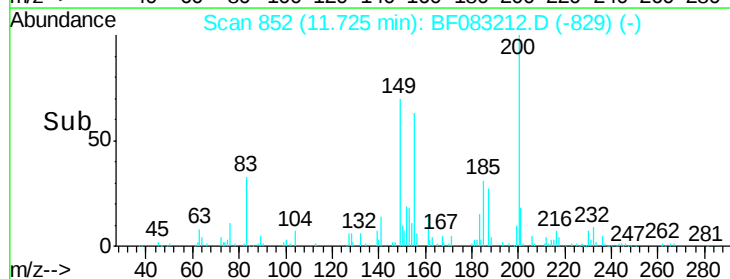
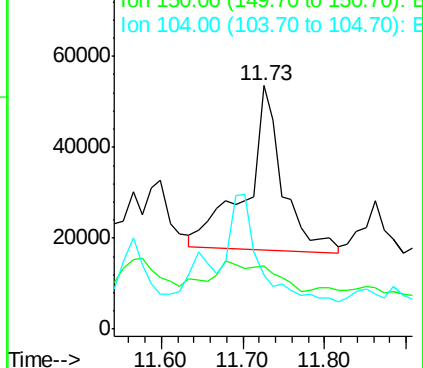


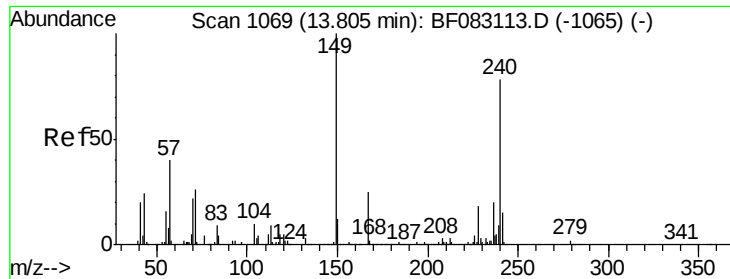
#73
 Di-n-butylphthalate
 Concen: 3.35 ng
 RT: 11.73 min Scan# 852
 Delta R.T. -0.03 min
 Lab File: BF083212.D
 Acq: 23 Nov 2015 19:11

Tgt Ion:149 Resp: 111624
 Ion Ratio Lower Upper
 149 100
 150 25.9 8.0 12.0#
 104 22.1 4.4 6.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

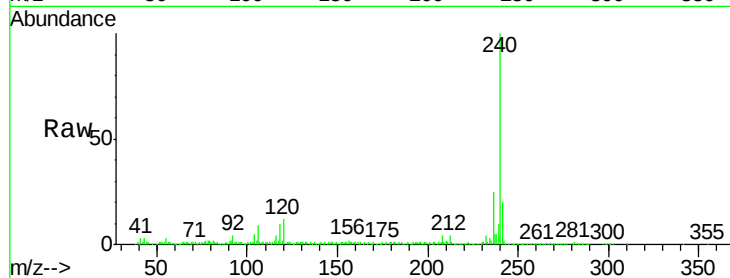




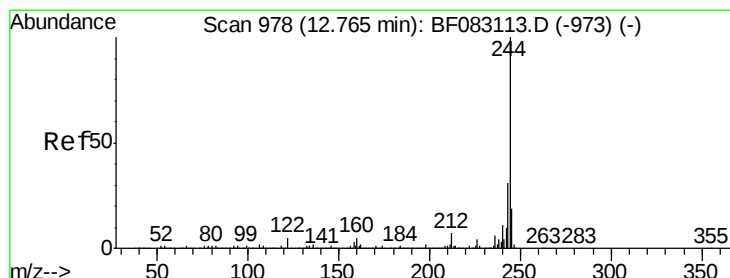
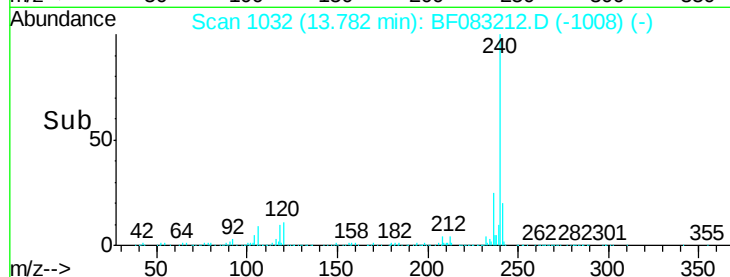
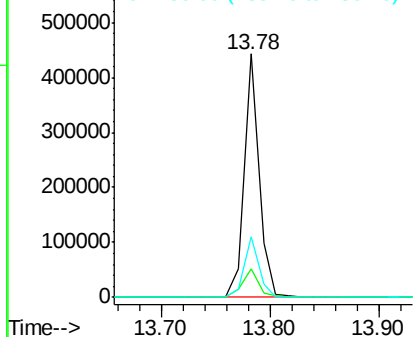
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.78 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF083212.D
Acq: 23 Nov 2015 19:11

Instrument :
BNA_F
ClientSampleId :
MW-22

Tgt Ion:240 Resp: 413926
Ion Ratio Lower Upper
240 100
120 11.6 5.4 8.2#
236 24.9 20.6 31.0

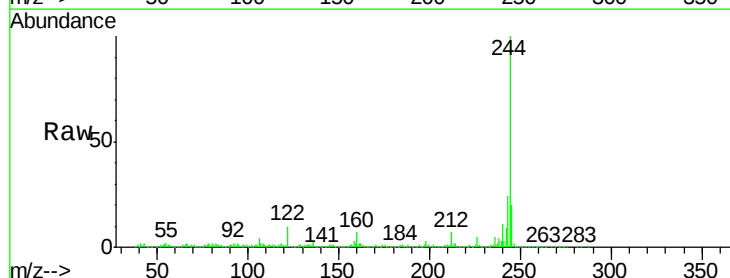


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

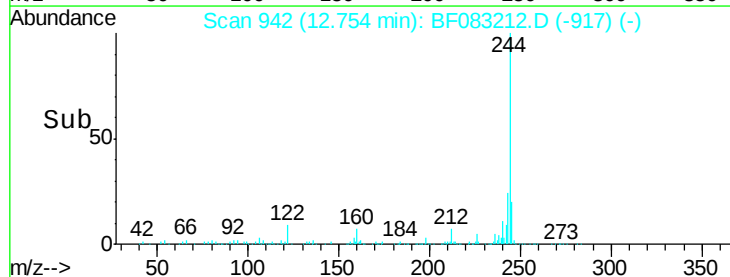
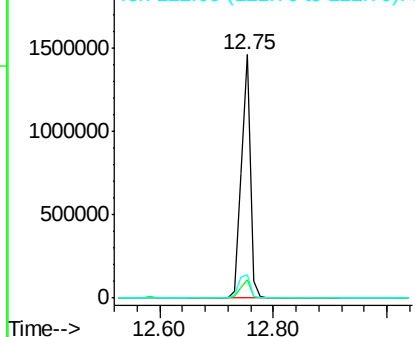


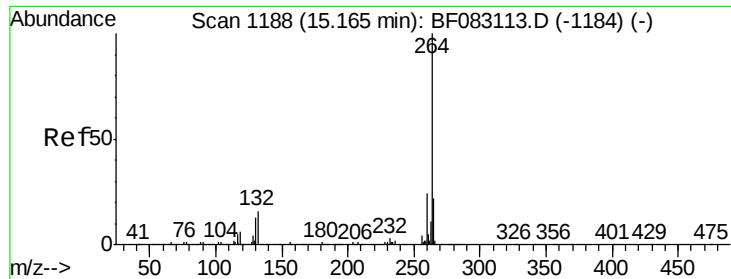
#78
Terphenyl-d14
Concen: 92.12 ng
RT: 12.75 min Scan# 942
Delta R.T. -0.01 min
Lab File: BF083212.D
Acq: 23 Nov 2015 19:11

Tgt Ion:244 Resp: 1619208
Ion Ratio Lower Upper
244 100
212 7.4 5.4 8.2
122 9.8 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





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF083212.D
Acq: 23 Nov 2015 19:11

Instrument :
BNA_F
ClientSampleId :
MW-22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	22.5	18.2	27.4

