

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083106.D
 Acq On : 21 Nov 2015 5:59
 Operator : UM/IZ
 Sample : G4485-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 23 02:40:07 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	149373	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	480011	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	231250	20.00	ng	0.01
63) Phenanthrene-d10	11.24	188	354379	20.00	ng	0.02
75) Chrysene-d12	13.85	240	346515	20.00	ng	-0.01
86) Perylene-d12	15.23	264	269116	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	608036	63.22	ng	0.01
7) Phenol-d6	6.37	99	544113	42.96	ng	0.02
23) Nitrobenzene-d5	7.26	82	882086	84.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	239982	97.74	ng	0.02
44) 2-Fluorobiphenyl	9.08	172	1308164	76.19	ng	0.00
78) Terphenyl-d14	12.82	244	1013827	69.07	ng	0.01

Target Compounds

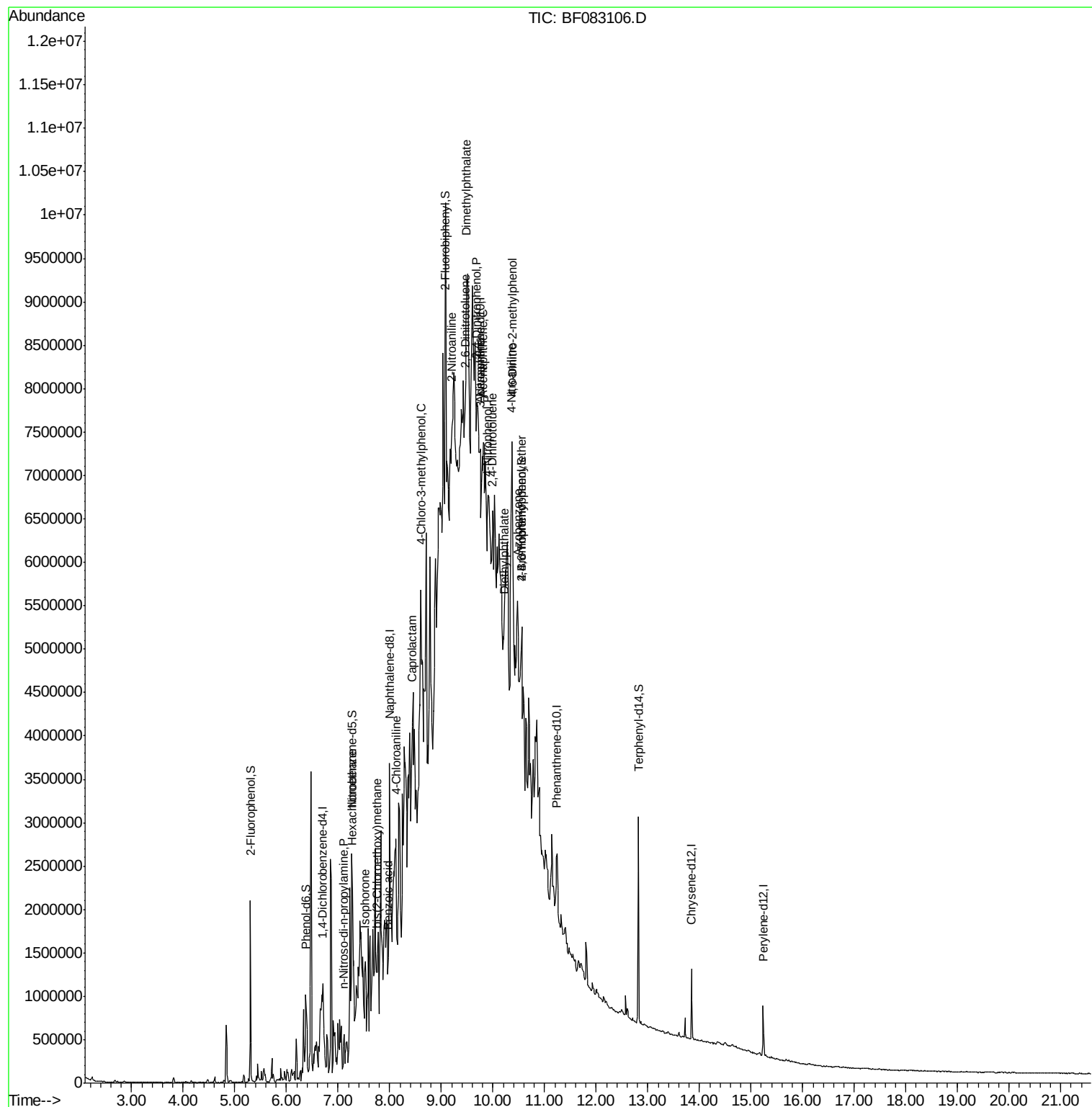
						Qvalue
9) Benzaldehyde	6.24	77	1782	Below Cal		89
18) Hexachloroethane	7.28	117	16707	3.74	ng	# 7
19) n-Nitroso-di-n-propylamine	7.12	70	36149	3.91	ng	# 36
25) Isophorone	7.52	82	42258	2.14	ng	# 1
28) bis(2-Chloroethoxy)methane	7.74	93	26077	2.35	ng	# 1
32) Benzoic acid	7.96	122	58189	12.52	ng	88
33) 4-Chloroaniline	8.12	127	33802	3.11	ng	# 45
35) Caprolactam	8.43	113	44932	19.08	ng	# 1
36) 4-Chloro-3-methylphenol	8.60	107	29746	3.47	ng	# 33
47) 2-Nitroaniline	9.21	65	24018	4.11	ng	# 39
49) Dimethylphthalate	9.49	163	75767	3.98	ng	# 34
50) 2,6-Dinitrotoluene	9.46	165	21520	5.25	ng	# 51
51) Acenaphthene	9.81	154	48209	2.99	ng	# 82
52) 3-Nitroaniline	9.74	138	62576	13.37	ng	# 1
53) 2,4-Dinitrophenol	9.69	184	81055	38.77	ng	# 78
55) 4-Nitrophenol	9.89	139	83391	25.96	ng	# 1
56) 2,4-Dinitrotoluene	9.98	165	31210	5.68	ng	# 56
59) Diethylphthalate	10.21	149	174104	9.38	ng	# 66
61) 4-Nitroaniline	10.36	138	11599	2.43	ng	# 1
62) Azobenzene	10.48	77	99277	4.78	ng	# 51
64) 4,6-Dinitro-2-methylphenol	10.37	198	4540	2.01	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	16366	3.99	ng	# 1

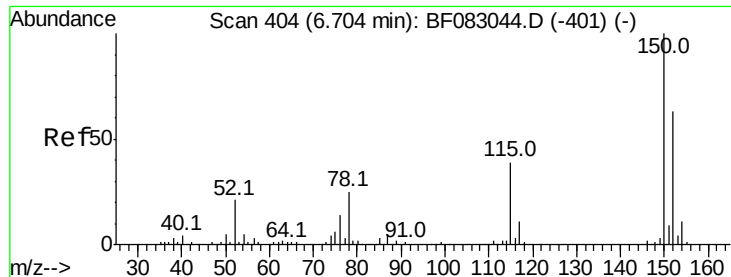
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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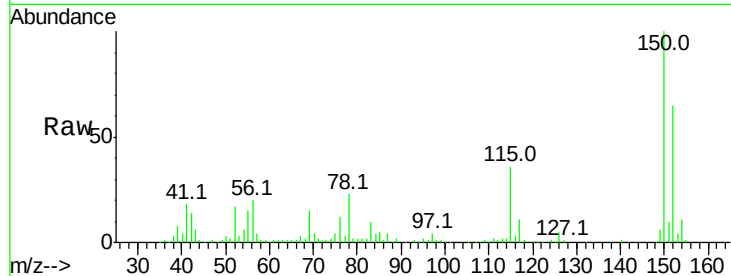


#1

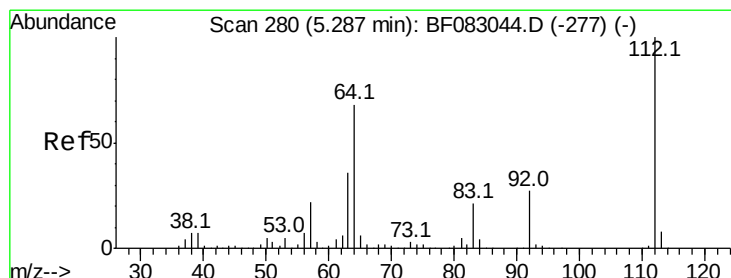
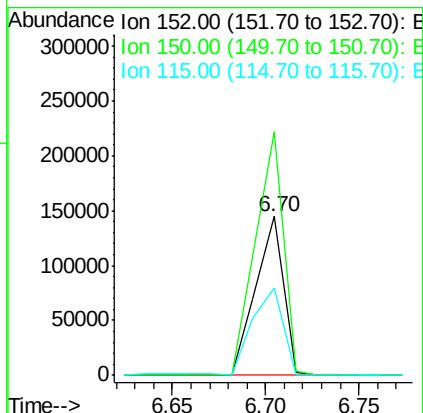
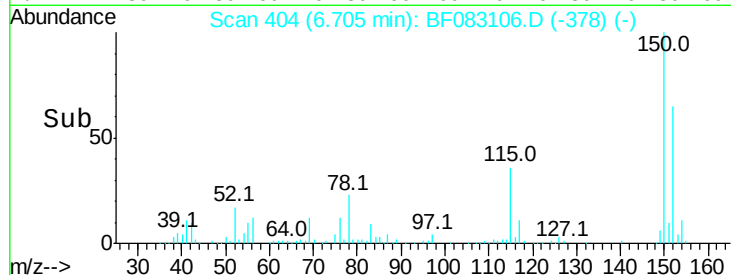
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149373
Ion Ratio Lower Upper
152 100
150 153.1 126.4 189.6
115 55.4 49.0 73.6



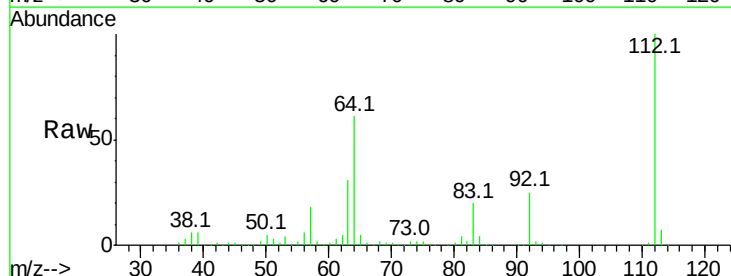
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



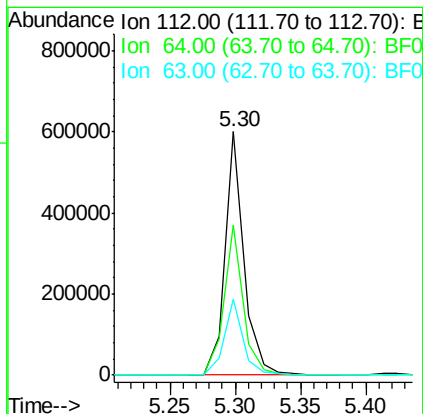
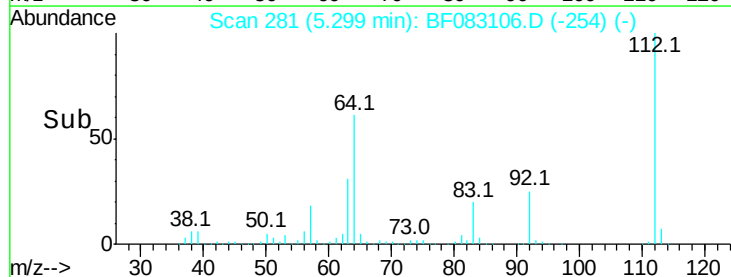
#5

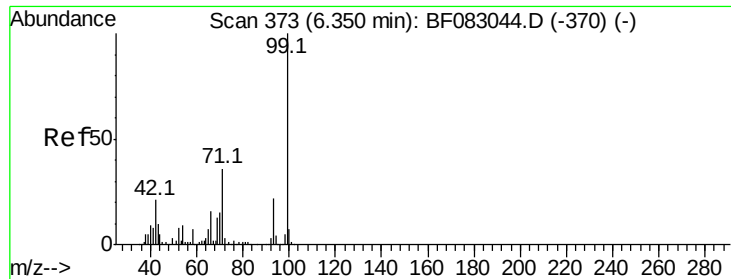
2-Fluorophenol
Concen: 63.22 ng
RT: 5.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

Tgt Ion:112 Resp: 608036
Ion Ratio Lower Upper
112 100
64 61.5 54.8 82.2
63 31.4 29.0 43.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.96 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.02 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Instrument :

BNA_F

ClientSampleId :

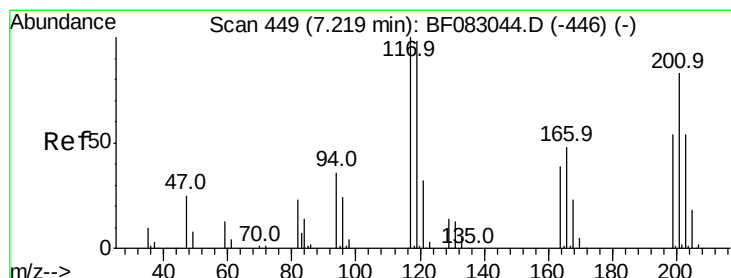
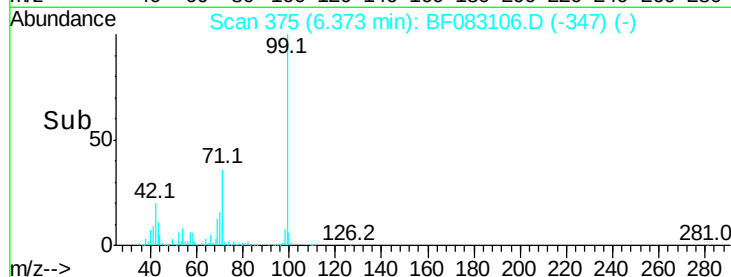
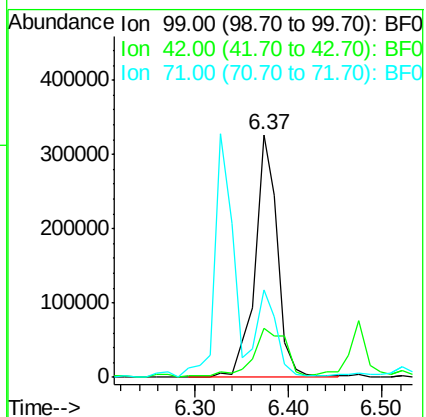
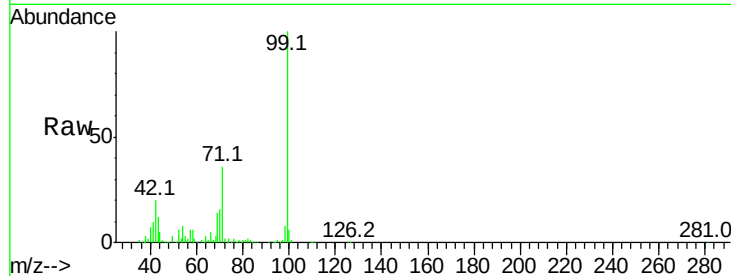
Tot Ion: 99 Resp: 544113

Ion Ratio Lower Upper

99 100

42 20.4 16.6 25.0

71 36.0 29.2 43.8



#18

Hexachloroethane

Concen: 3.74 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.06 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

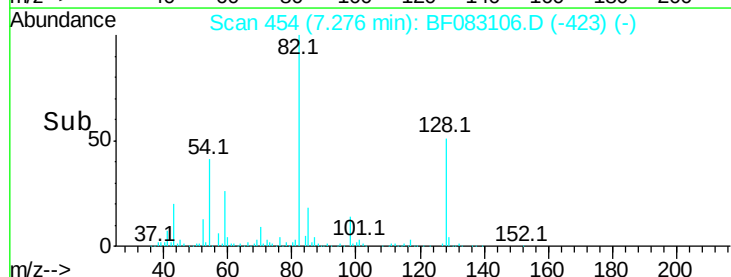
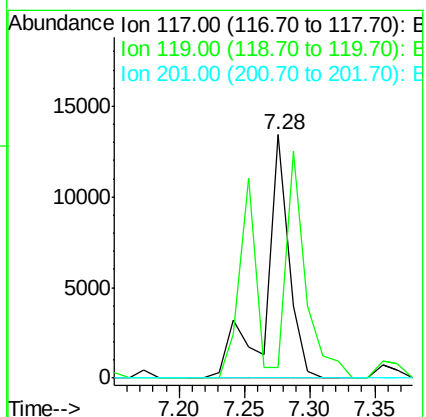
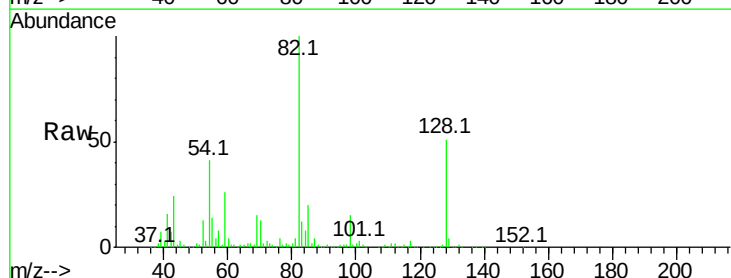
Tgt Ion: 117 Resp: 16707

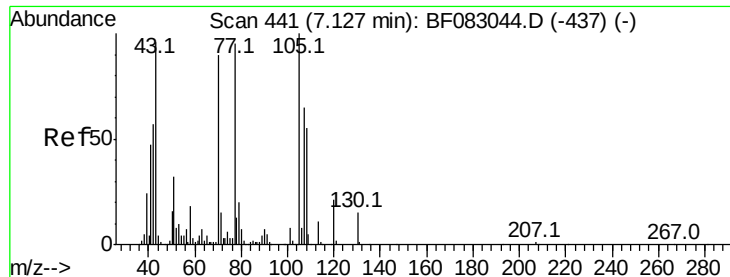
Ion Ratio Lower Upper

117 100

119 4.5 78.3 117.5#

201 0.0 66.5 99.7#

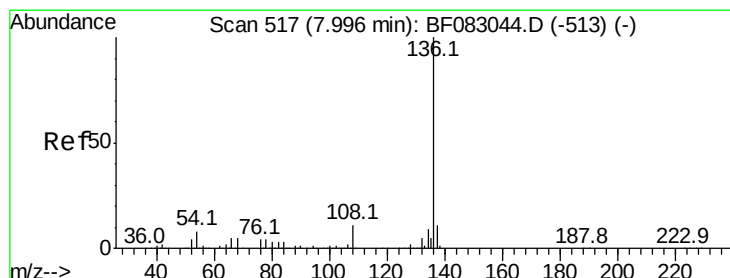
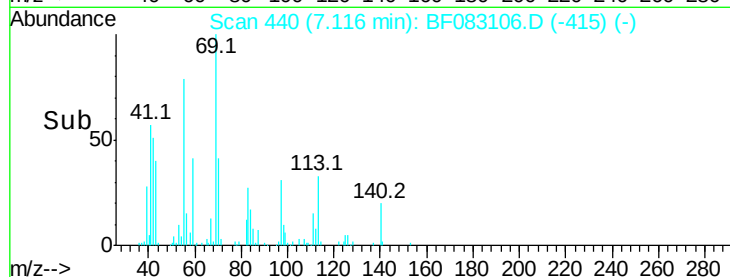
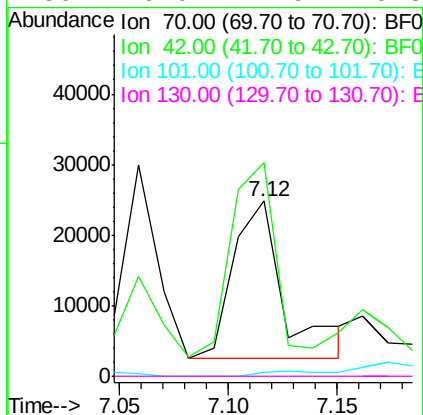
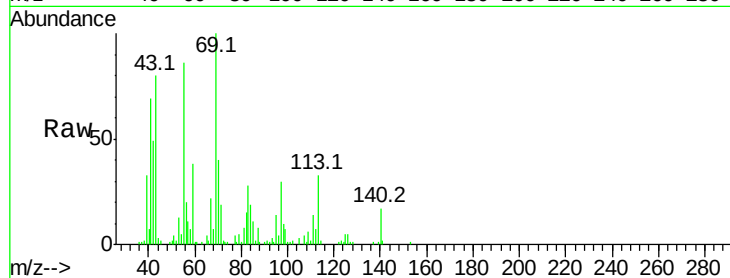




#19
n-Nitroso-di-n-propylamine
Concen: 3.91 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

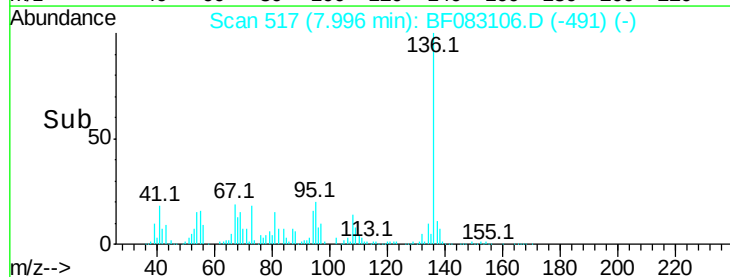
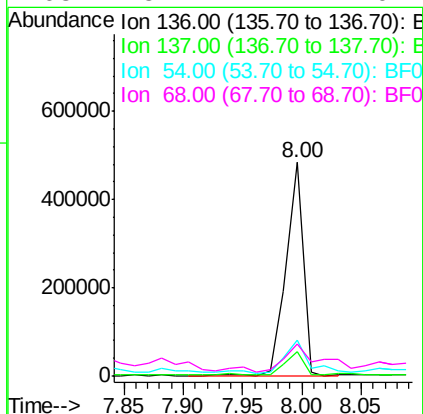
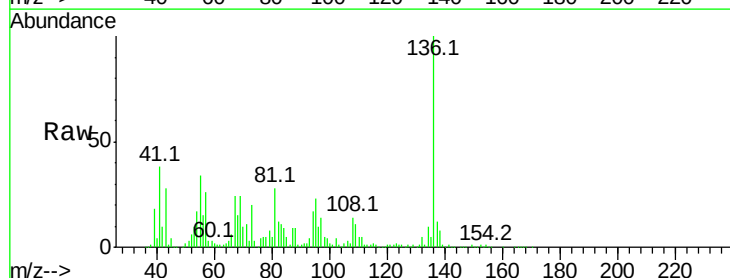
Instrument :
BNA_F
ClientSampleId :

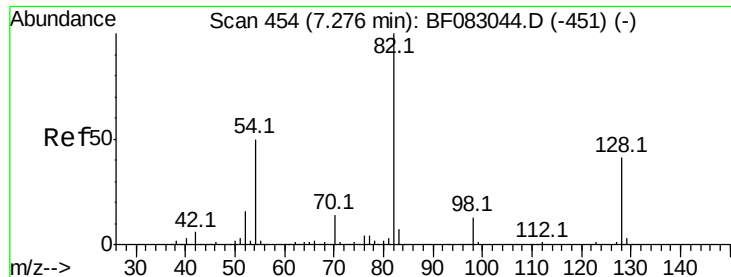
Tot Ion: 70 Resp: 36149
Ion Ratio Lower Upper
70 100
42 122.2 50.2 75.2#
101 1.9 6.8 10.2#
130 0.0 12.9 19.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

Tgt Ion: 136 Resp: 480011
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 16.7 6.2 9.2#
68 15.2 4.2 6.2#

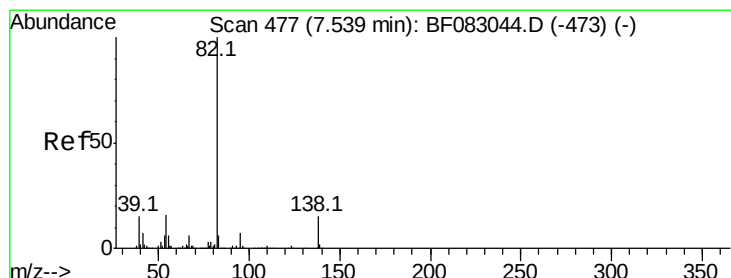
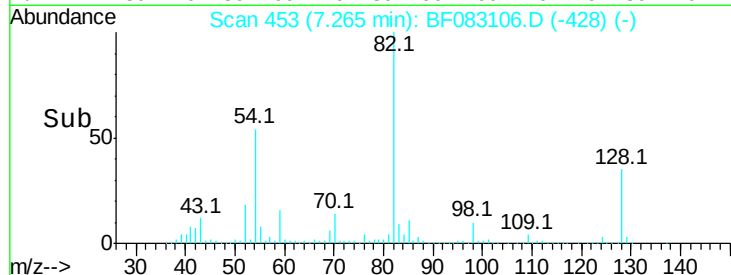
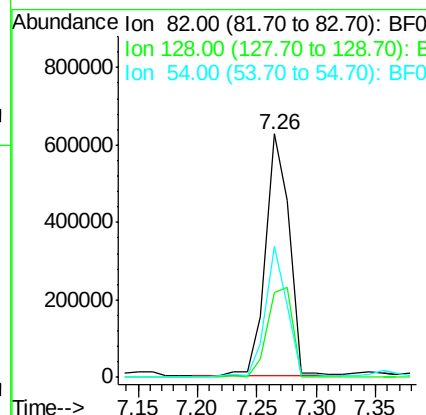
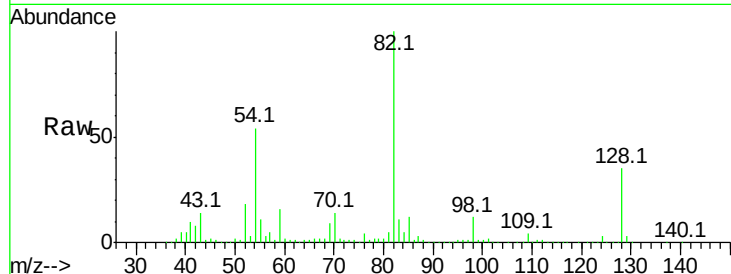




#23
 Nitrobenzene-d5
 Concen: 84.13 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF083106.D
 Acq: 21 Nov 2015 5:59

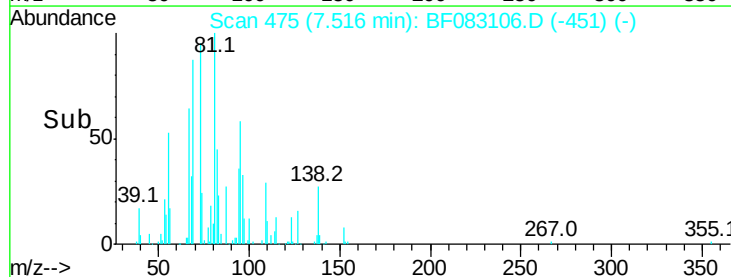
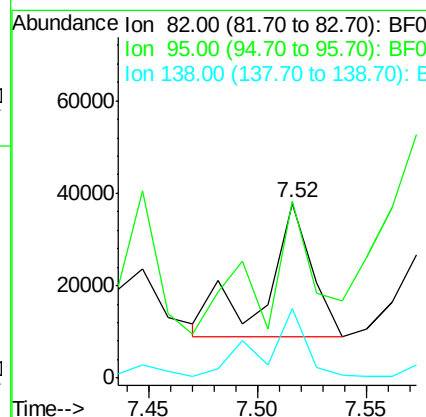
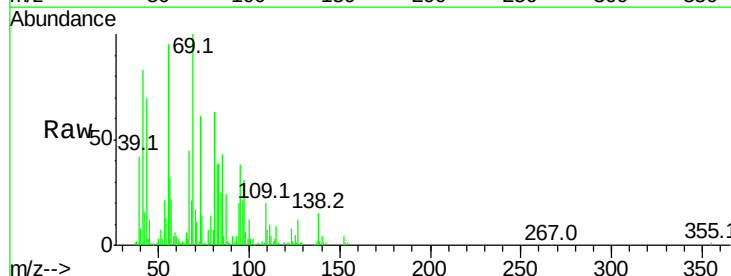
Instrument :
 BNA_F
 ClientSampleId :

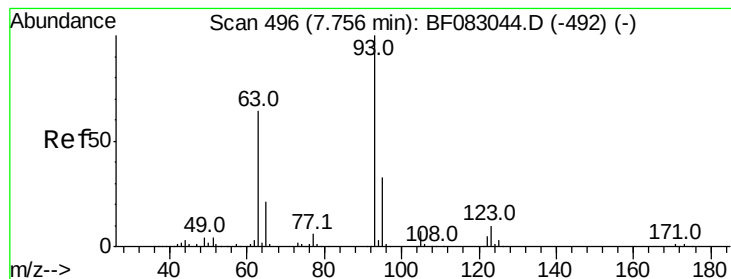
Tot Ion	82	Resp	882086
Ion Ratio	Lower	Upper	
82	100		
128	35.0	33.1	49.7
54	53.7	39.8	59.6



#25
 Isophorone
 Concen: 2.14 ng
 RT: 7.52 min Scan# 475
 Delta R.T. -0.02 min
 Lab File: BF083106.D
 Acq: 21 Nov 2015 5:59

Tgt Ion	82	Resp	42258
Ion Ratio	Lower	Upper	
82	100		
95	101.1	5.7	8.5#
138	39.5	12.2	18.4#





#28

bis(2-Chloroethoxy)methane

Concen: 2.35 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Instrument :

BNA_F

ClientSampleId :

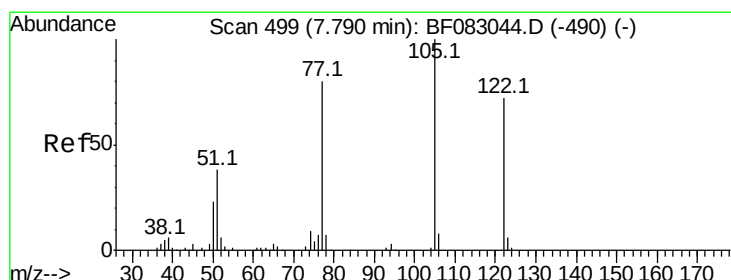
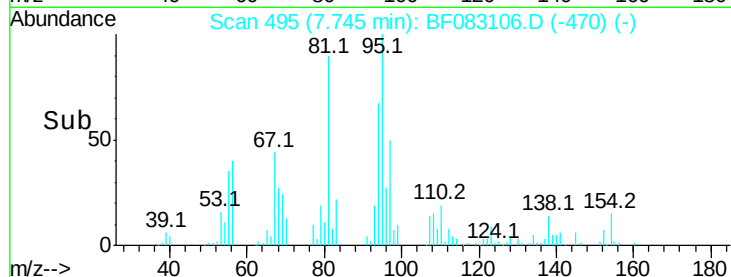
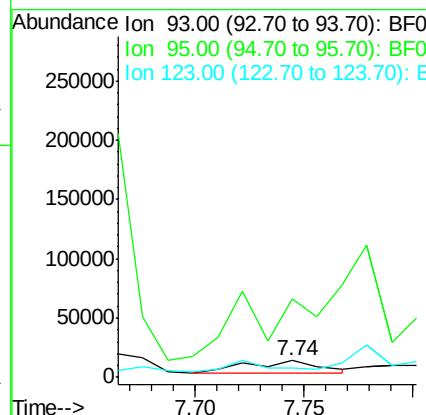
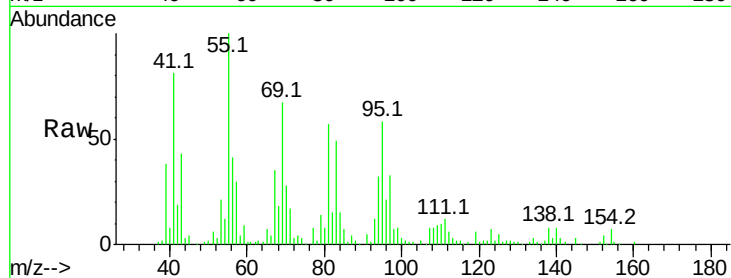
Tot Ion: 93 Resp: 26077

Ion Ratio Lower Upper

93 100

95 472.4 26.2 39.2#

123 55.3 8.5 12.7#



#32

Benzoic acid

Concen: 12.52 ng

RT: 7.96 min Scan# 514

Delta R.T. 0.17 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

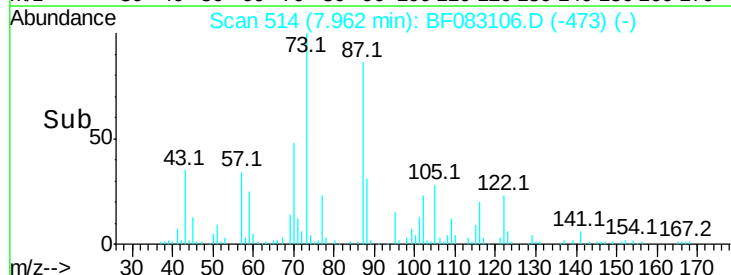
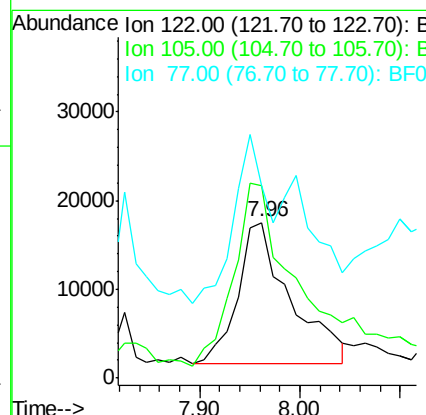
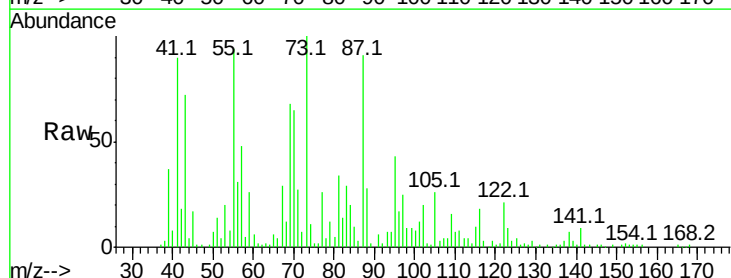
Tgt Ion:122 Resp: 58189

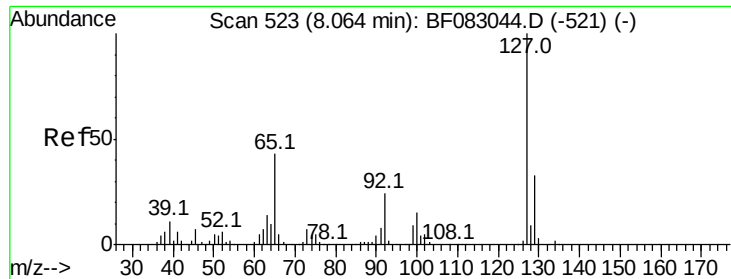
Ion Ratio Lower Upper

122 100

105 123.7 115.0 155.0

77 123.9 89.0 129.0

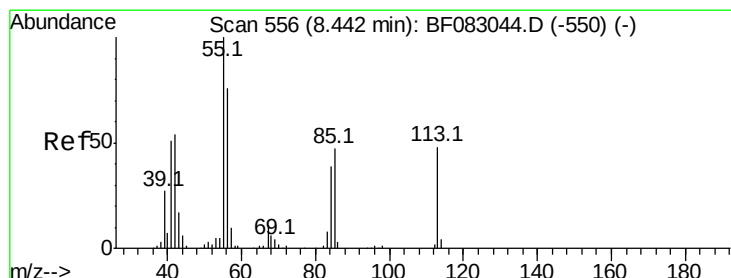
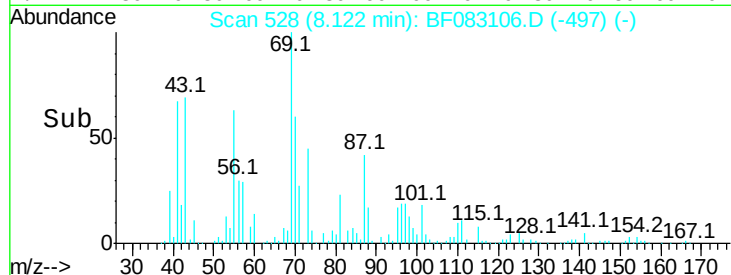
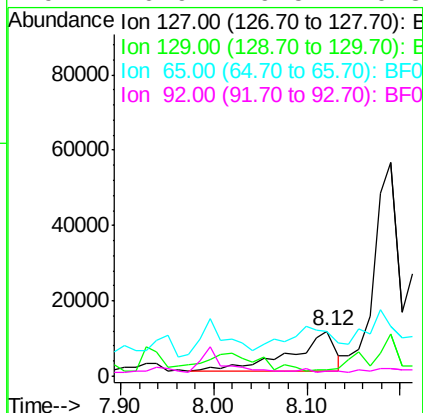
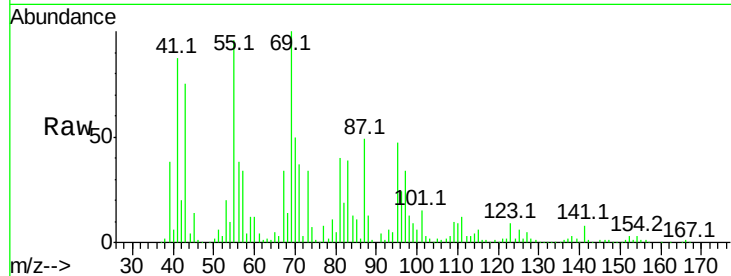




#33
4-Chloroaniline
Concen: 3.11 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.06 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

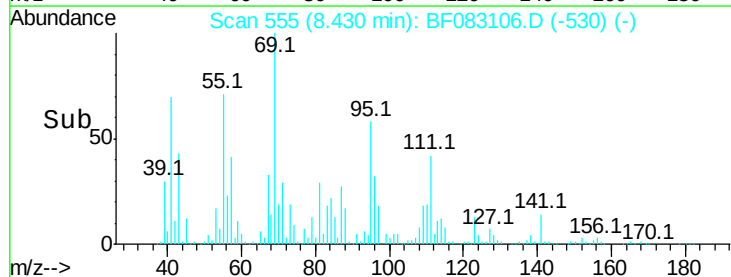
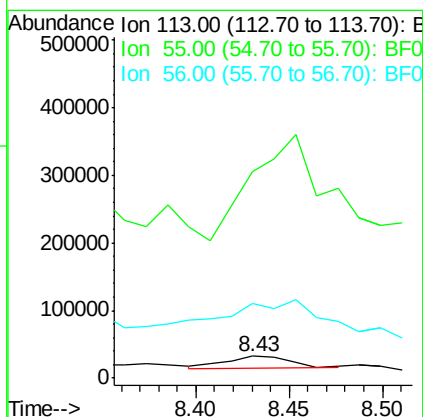
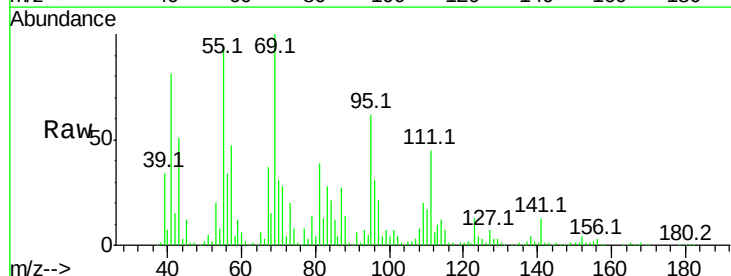
Instrument :
BNA_F
ClientSampleId :

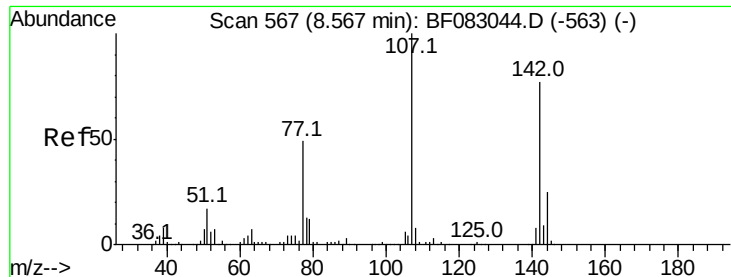
Tot Ion:127 Resp: 33802
Ion Ratio Lower Upper
127 100
129 14.2 26.1 39.1#
65 99.2 34.4 51.6#
92 10.9 19.5 29.3#



#35
Caprolactam
Concen: 19.08 ng
RT: 8.43 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

Tgt Ion:113 Resp: 44932
Ion Ratio Lower Upper
113 100
55 951.8 189.1 229.1#
56 341.0 137.9 177.9#

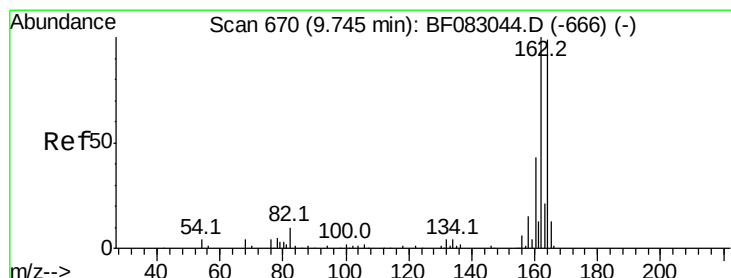
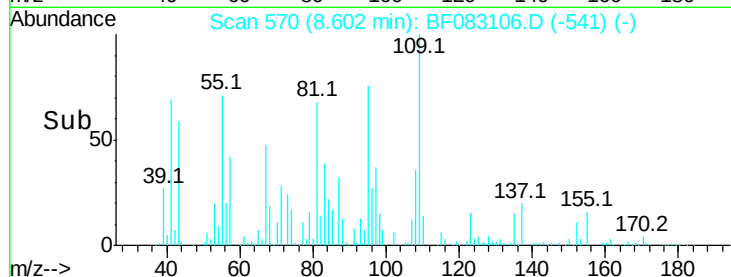
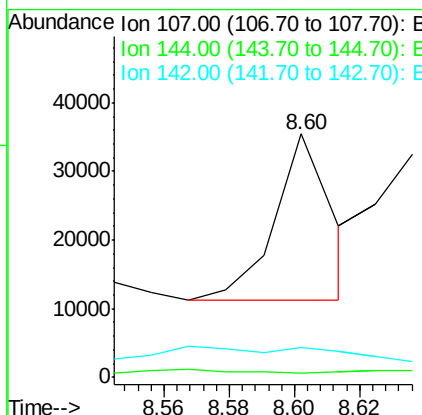
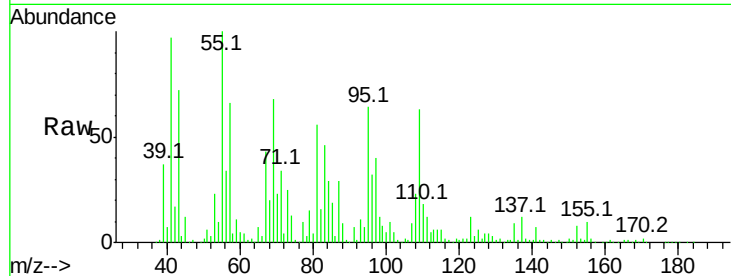




#36
4-Chloro-3-methylphenol
Concen: 3.47 ng
RT: 8.60 min Scan# 570
Delta R.T. 0.03 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

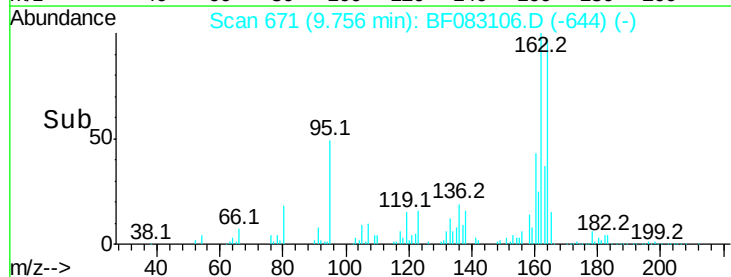
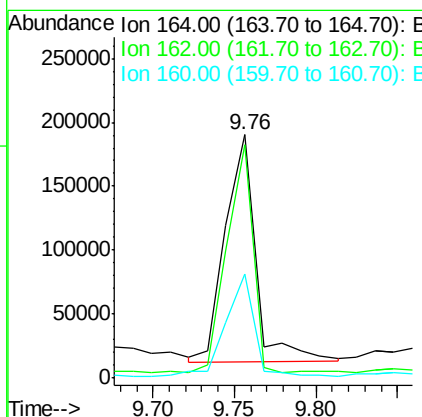
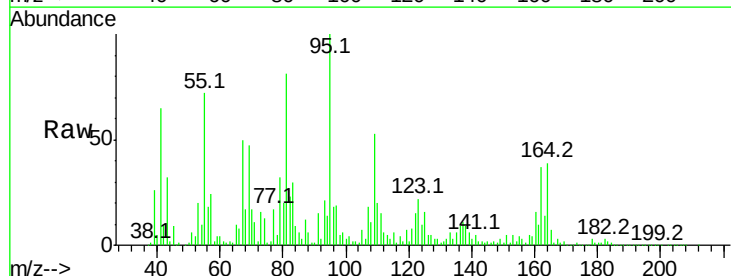
Instrument :
BNA_F
ClientSampled :

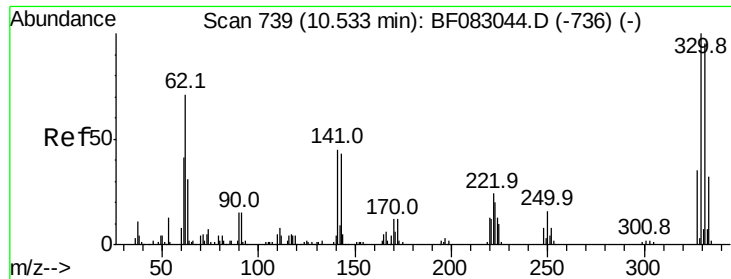
Tot Ion:107 Resp: 29746
Ion Ratio Lower Upper
107 100
144 2.0 20.0 30.0#
142 12.4 61.3 91.9#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 671
Delta R.T. 0.01 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

Tgt Ion:164 Resp: 231250
Ion Ratio Lower Upper
164 100
162 95.9 80.5 120.7
160 42.6 35.0 52.4

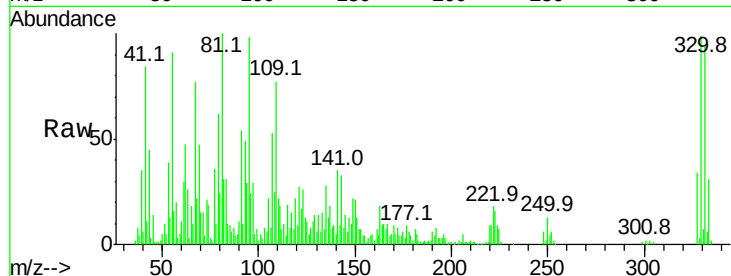




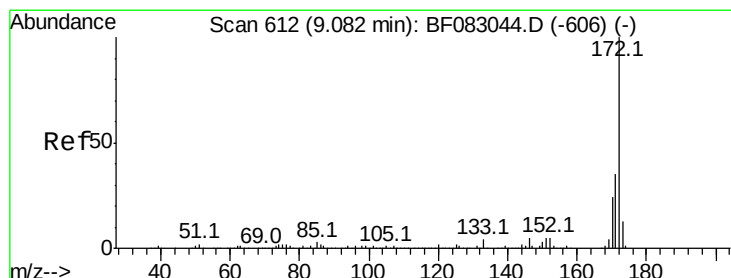
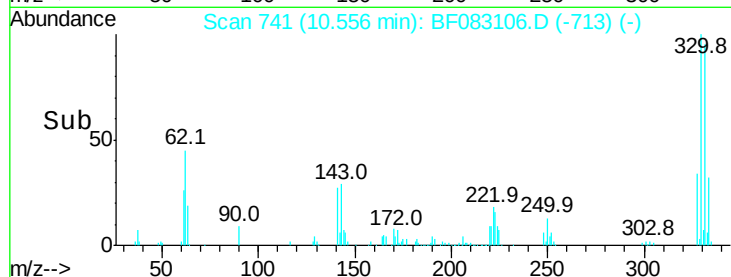
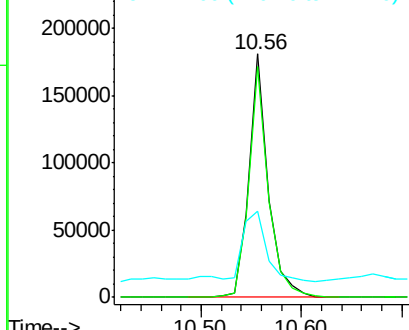
#41
 2,4,6-Tribromophenol
 Concen: 97.74 ng
 RT: 10.56 min Scan# 741
 Delta R.T. 0.02 min
 Lab File: BF083106.D
 Acq: 21 Nov 2015 5:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 239982
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.6 116.4
 141 35.8 34.6 52.0

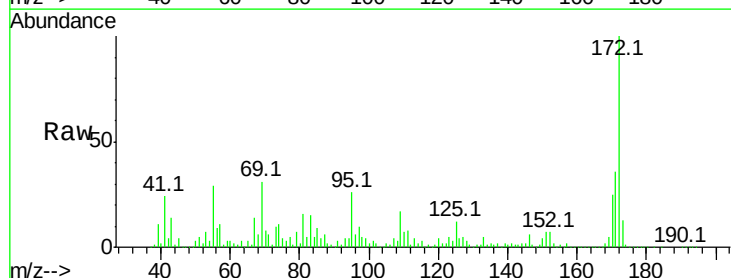


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

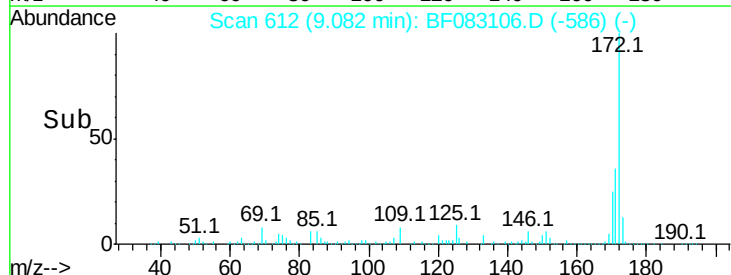
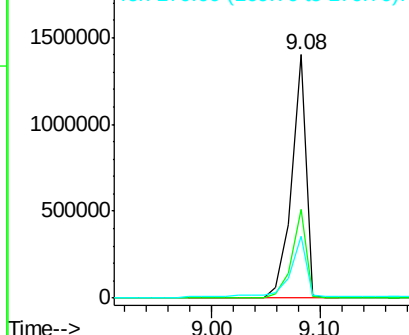


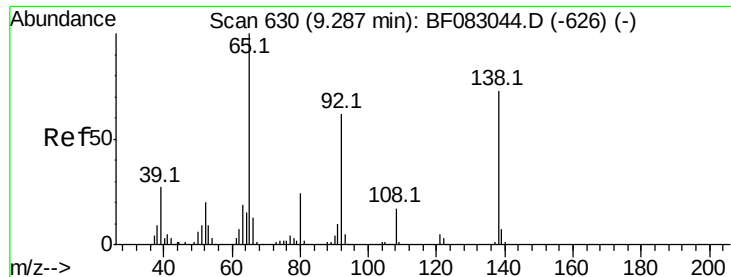
#44
 2-Fluorobiphenyl
 Concen: 76.19 ng
 RT: 9.08 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF083106.D
 Acq: 21 Nov 2015 5:59

Tgt Ion:172 Resp: 1308164
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.2 42.4
 170 25.4 19.4 29.0



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: 4.11 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.08 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Instrument :

BNA_F

ClientSampleId :

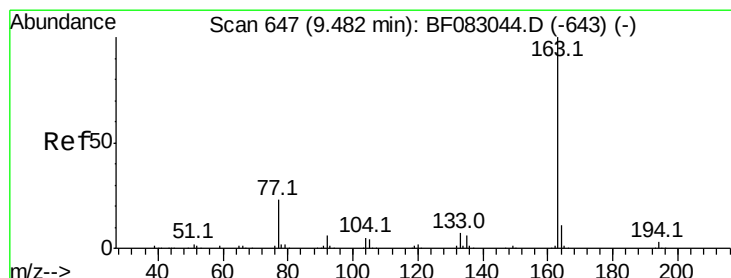
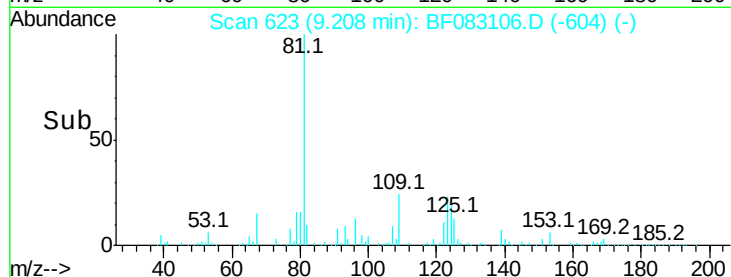
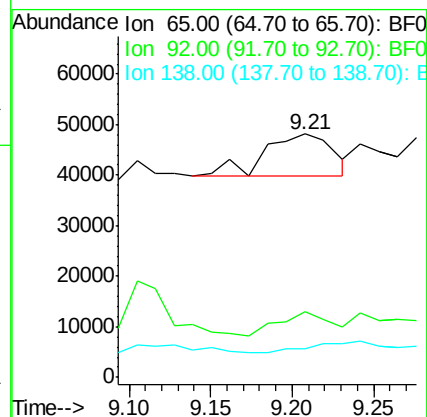
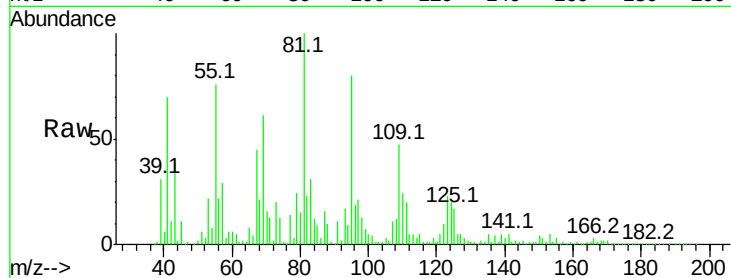
Tot Ion: 65 Resp: 24018

Ion Ratio Lower Upper

65 100

92 26.8 49.6 74.4#

138 11.7 58.8 88.2#



#49

Dimethylphthalate

Concen: 3.98 ng

RT: 9.49 min Scan# 648

Delta R.T. 0.01 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

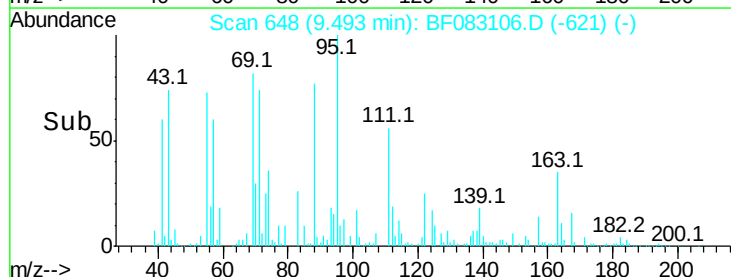
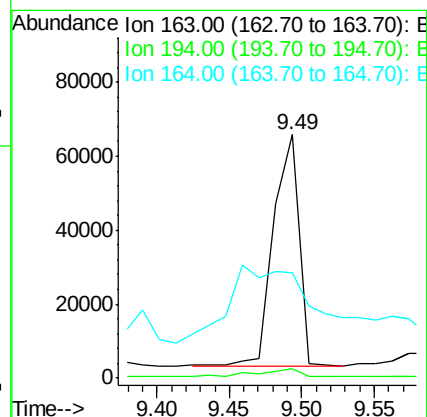
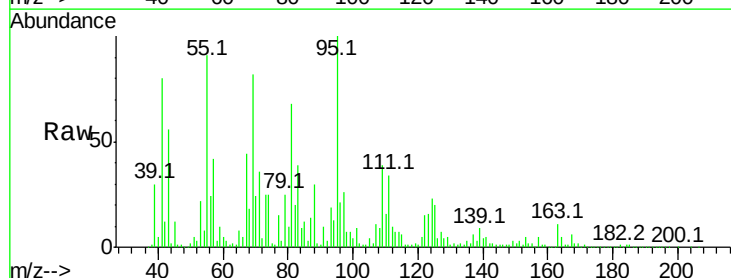
Tgt Ion:163 Resp: 75767

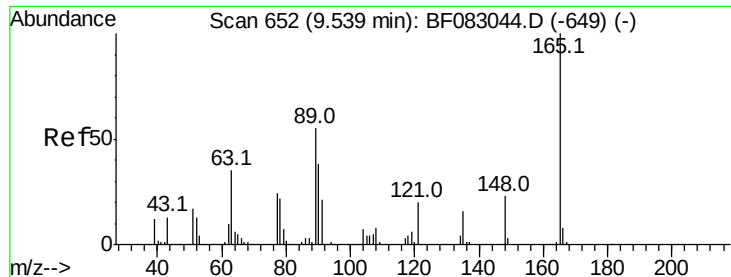
Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

164 43.3 8.5 12.7#





#50

2,6-Dinitrotoluene

Concen: 5.25 ng

RT: 9.46 min Scan# 645

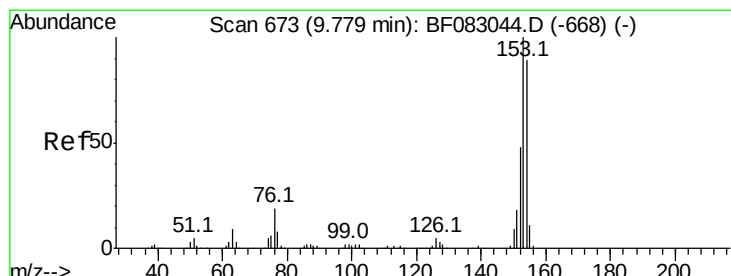
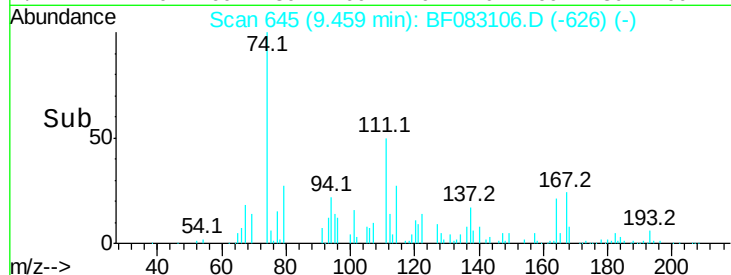
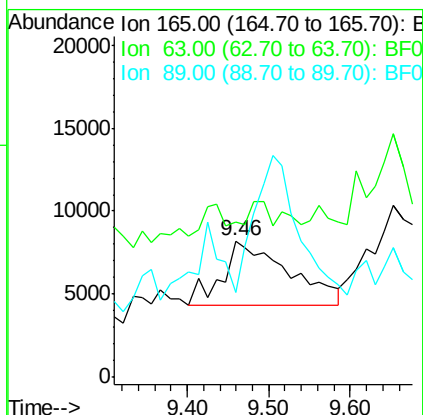
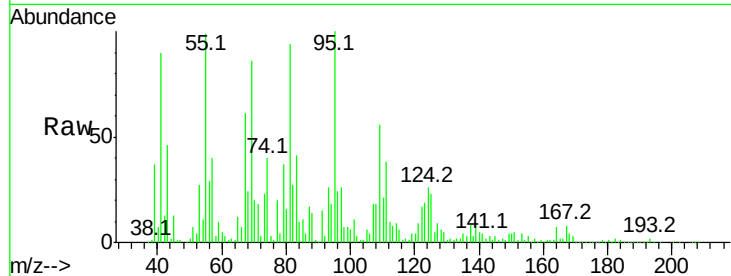
Delta R.T. -0.08 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 21520
Ion Ratio Lower Upper
165 100
63 114.1 40.6 61.0#
89 62.6 44.5 66.7



#51

Acenaphthene

Concen: 2.99 ng

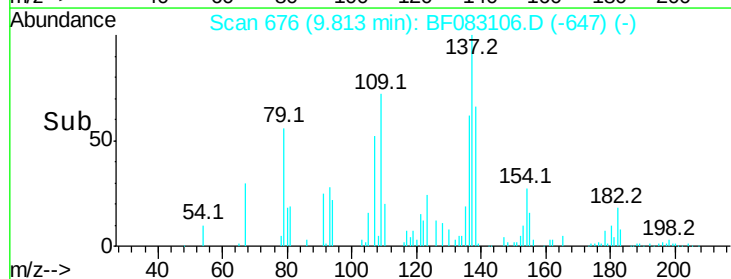
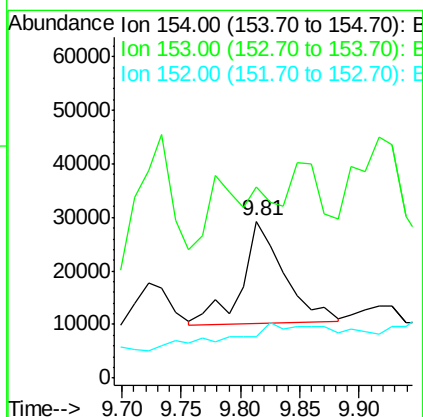
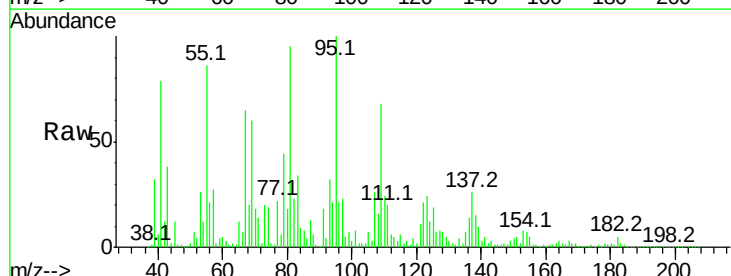
RT: 9.81 min Scan# 676

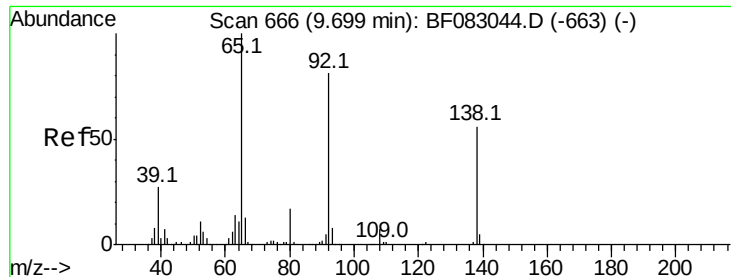
Delta R.T. 0.03 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Tgt Ion:154 Resp: 48209
Ion Ratio Lower Upper
154 100
153 121.7 90.1 135.1
152 26.2 43.3 64.9#





#52

3-Nitroaniline

Concen: 13.37 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.05 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Instrument :

BNA_F

ClientSampleId :

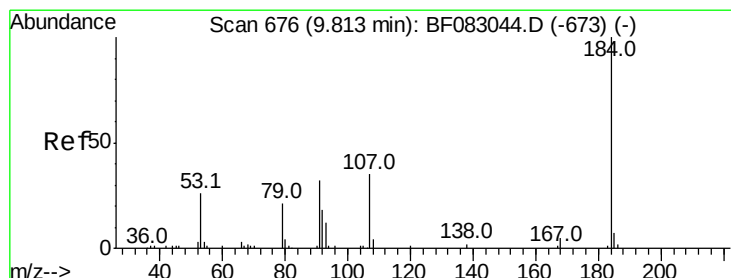
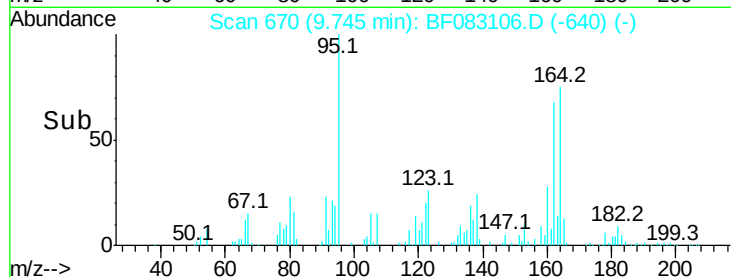
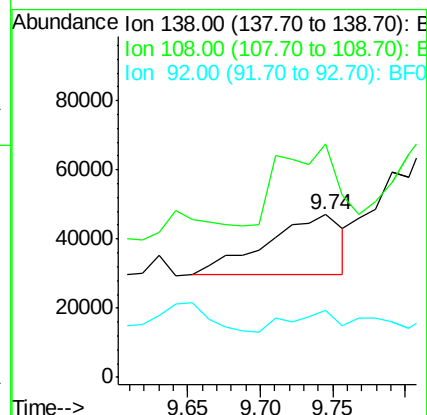
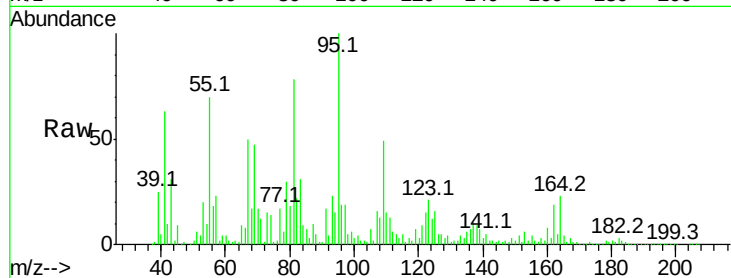
Tot Ion:138 Resp: 62576

Ion Ratio Lower Upper

138 100

108 143.6 9.4 14.0#

92 41.6 115.2 172.8#



#53

2,4-Dinitrophenol

Concen: 38.77 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.13 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

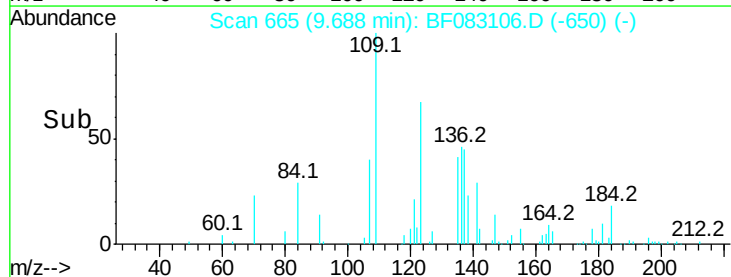
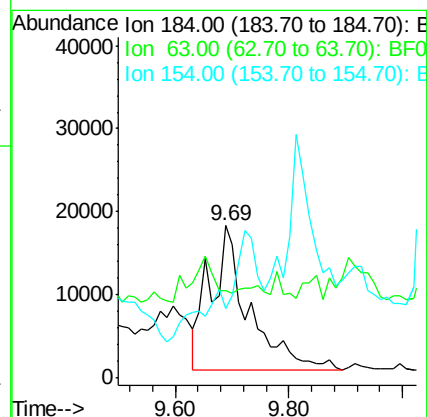
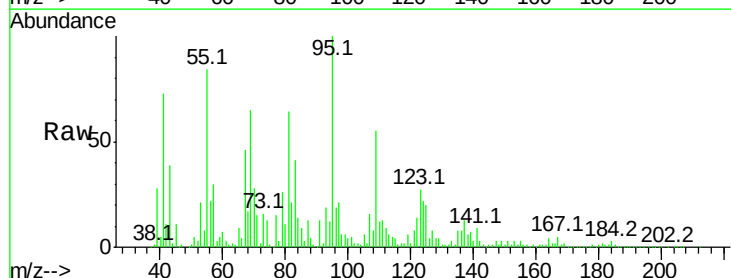
Tgt Ion:184 Resp: 81055

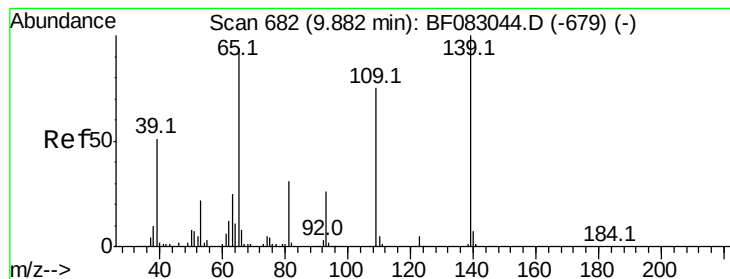
Ion Ratio Lower Upper

184 100

63 57.2 30.4 45.6#

154 45.4 44.9 67.3





#55

4-Nitrophenol

Concen: 25.96 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.01 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Instrument :

BNA_F

ClientSampled :

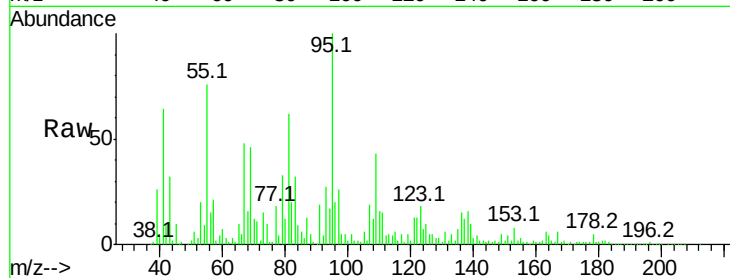
Tot Ion:139 Resp: 83391

Ion Ratio Lower Upper

139 100

109 411.6 54.6 94.6#

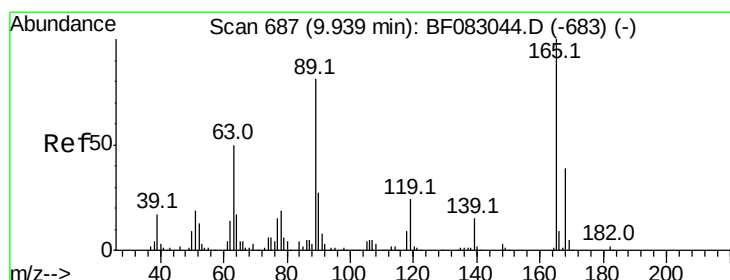
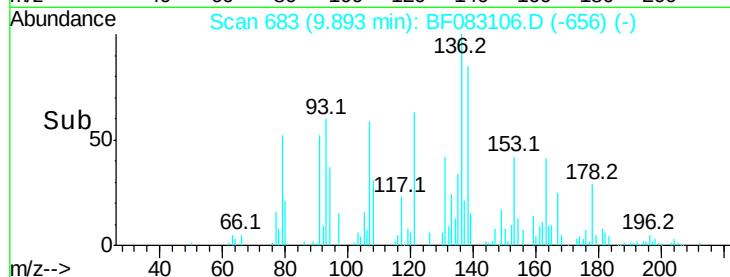
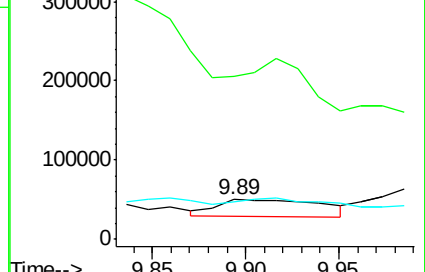
65 93.5 74.4 114.4



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



#56

2,4-Dinitrotoluene

Concen: 5.68 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.05 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Tgt Ion:165 Resp: 31210

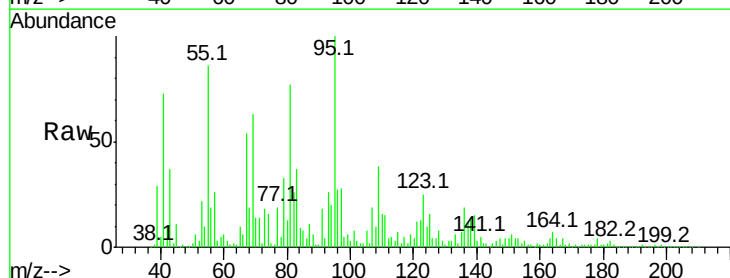
Ion Ratio Lower Upper

165 100

63 66.5 40.6 61.0#

89 34.1 64.4 96.6#

182 97.2 1.6 2.4#

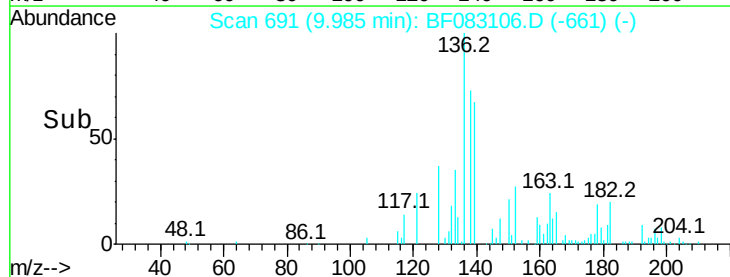
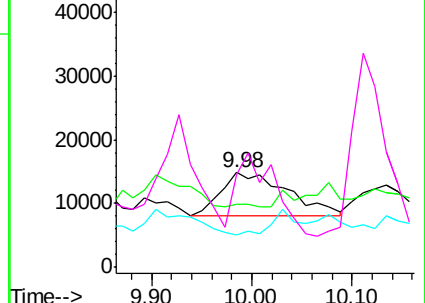


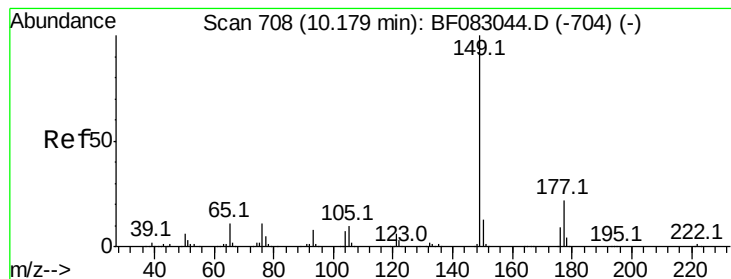
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#59

Diethylphthalate

Concen: 9.38 ng

RT: 10.21 min Scan# 711

Delta R.T. 0.03 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Instrument :

BNA_F

ClientSampled :

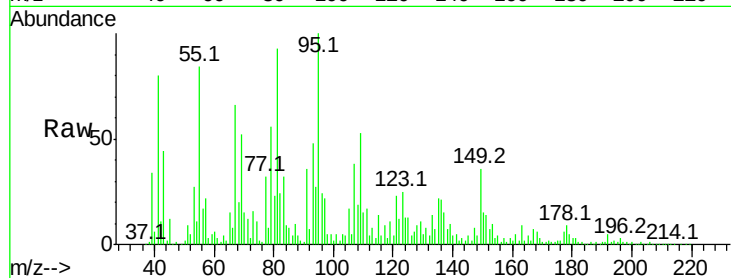
Tot Ion:149 Resp: 174104

Ion Ratio Lower Upper

149 100

177 15.4 17.4 26.2#

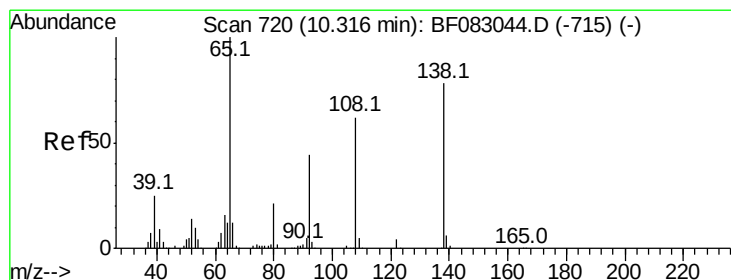
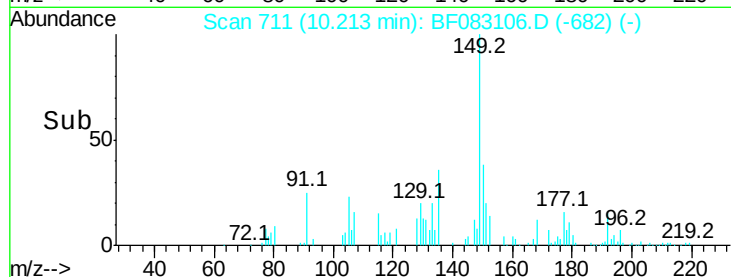
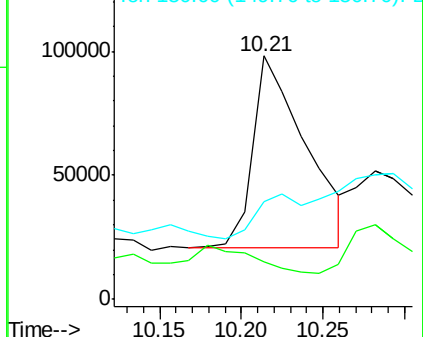
150 40.2 10.2 15.2#



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



#61

4-Nitroaniline

Concen: 2.43 ng

RT: 10.36 min Scan# 724

Delta R.T. 0.05 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

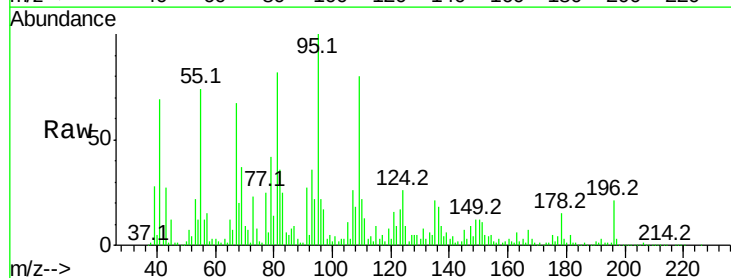
Tgt Ion:138 Resp: 11599

Ion Ratio Lower Upper

138 100

92 123.7 36.4 76.4#

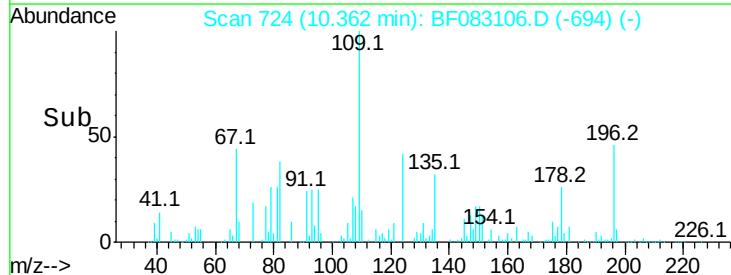
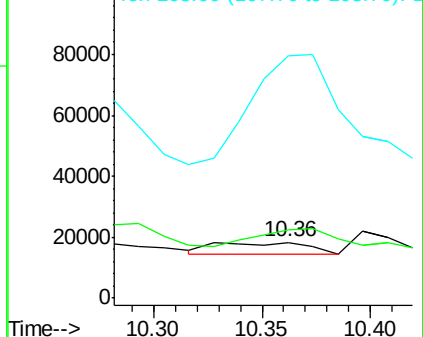
108 436.0 59.6 99.6#

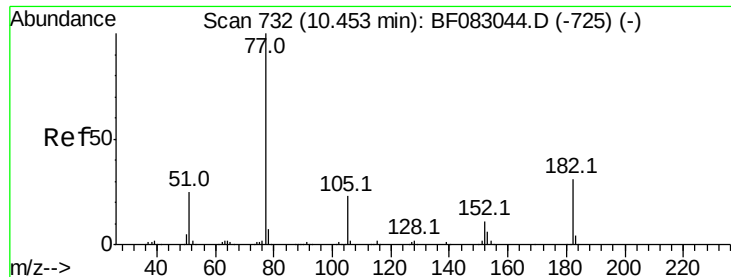


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E

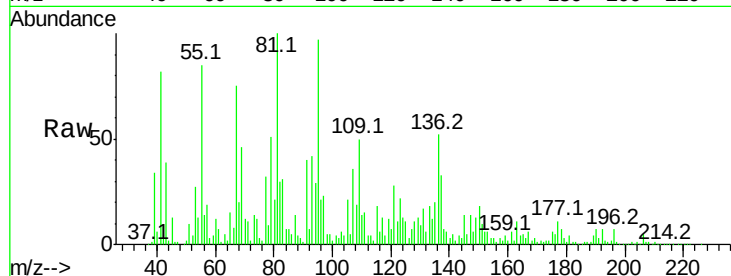




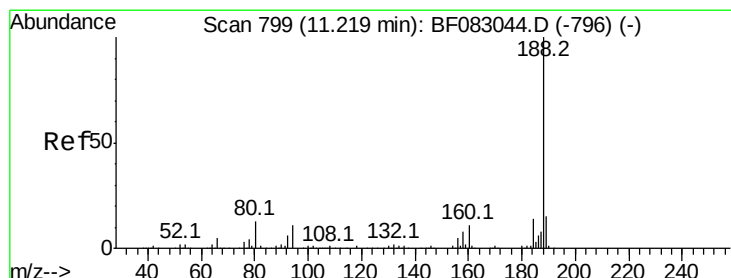
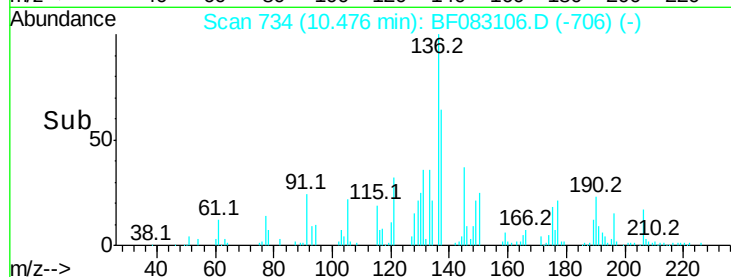
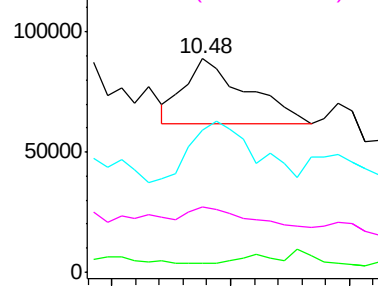
#62
Azobenzene
Concen: 4.78 ng
RT: 10.48 min Scan# 734
Delta R.T. 0.02 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 99277
Ion Ratio Lower Upper
77 100
182 4.2 10.8 50.8#
105 66.3 3.4 43.4#
51 30.4 4.7 44.7

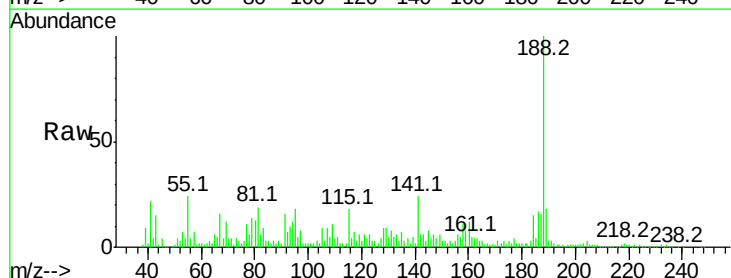


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

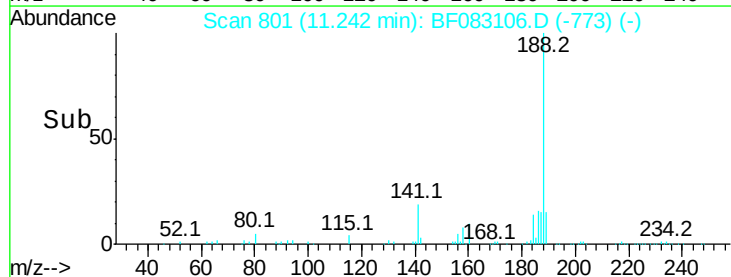
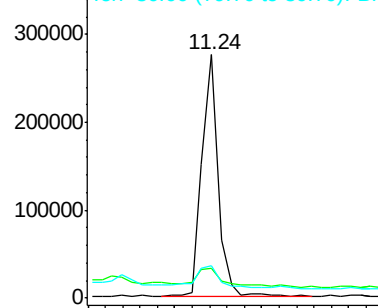


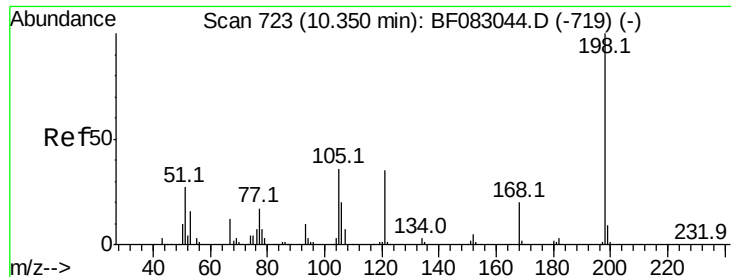
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. 0.02 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

Tgt Ion: 188 Resp: 354379
Ion Ratio Lower Upper
188 100
94 12.5 9.0 13.4
80 13.1 10.2 15.4



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





#64

4,6-Dinitro-2-methylphenol

Concen: 2.01 ng

RT: 10.37 min Scan# 725

Delta R.T. 0.02 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Instrument :

BNA_F

ClientSampleId :

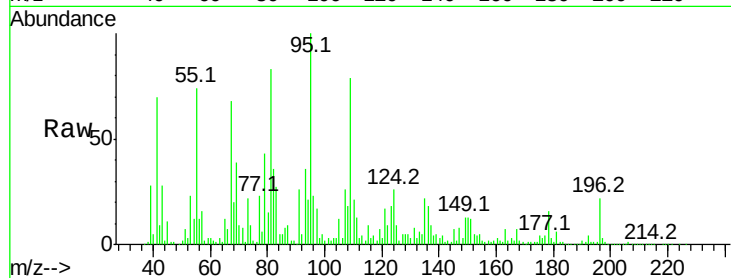
Tot Ion:198 Resp: 4540

Ion Ratio Lower Upper

198 100

51 1194.5 11.1 51.1#

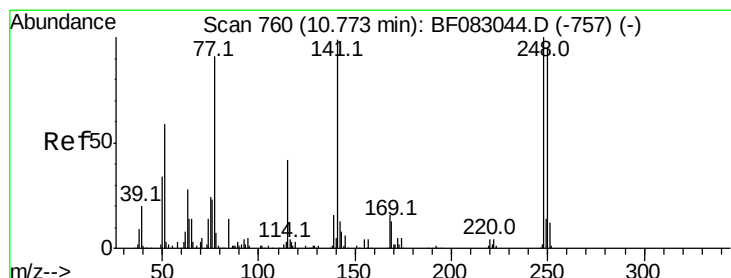
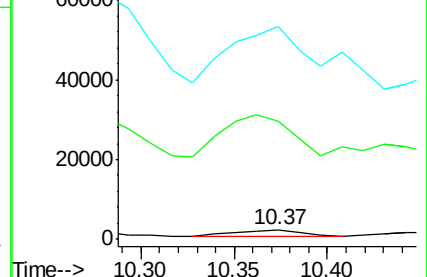
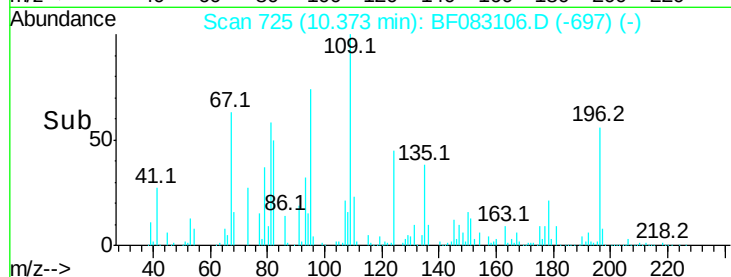
105 2160.7 16.5 56.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.99 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.22 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

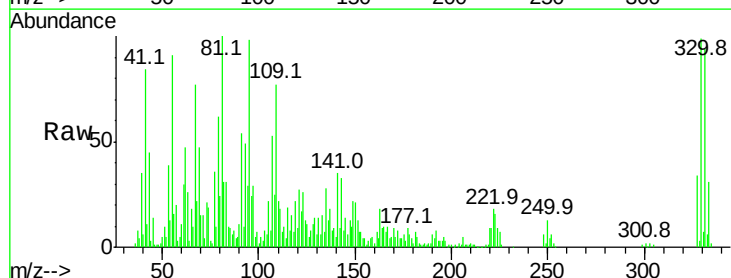
Tgt Ion:248 Resp: 16366

Ion Ratio Lower Upper

248 100

250 199.6 76.1 114.1#

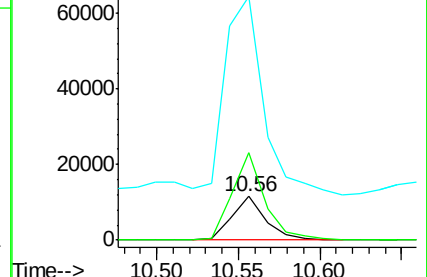
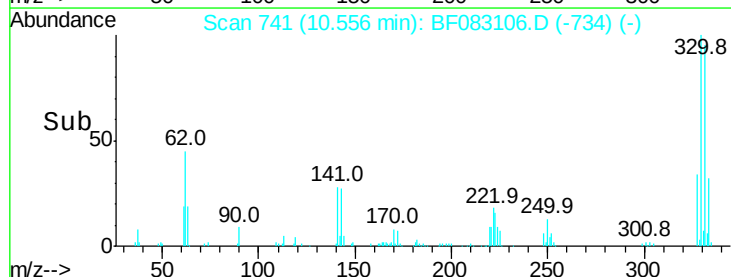
141 558.1 79.2 118.8#

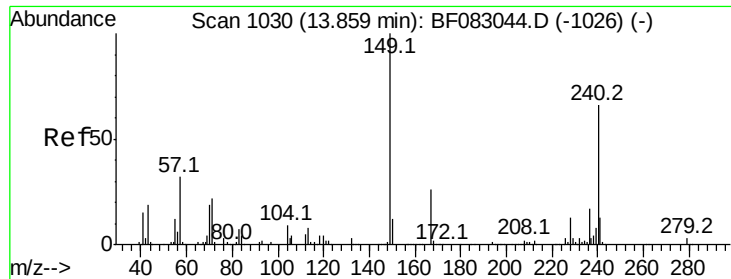


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

Instrument :

BNA_F

ClientSampleId :

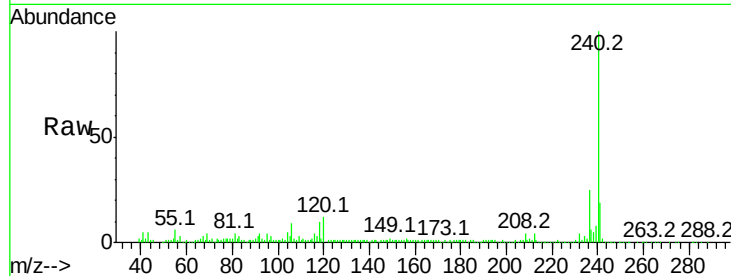
Tot Ion:240 Resp: 346515

Ion Ratio Lower Upper

240 100

120 11.5 5.3 7.9#

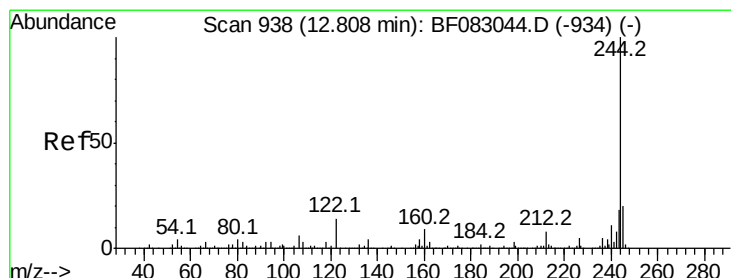
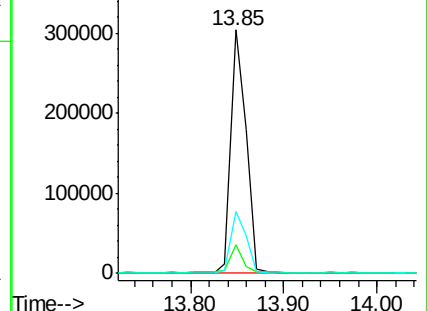
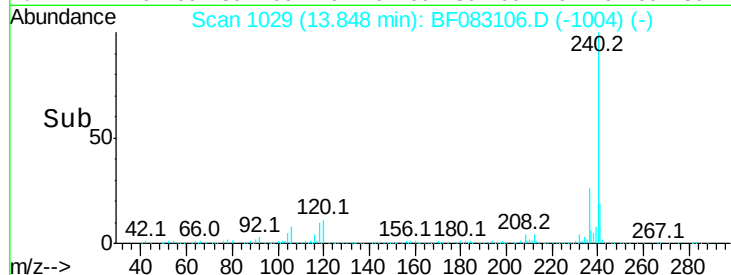
236 25.5 20.4 30.6



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: 69.07 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF083106.D

Acq: 21 Nov 2015 5:59

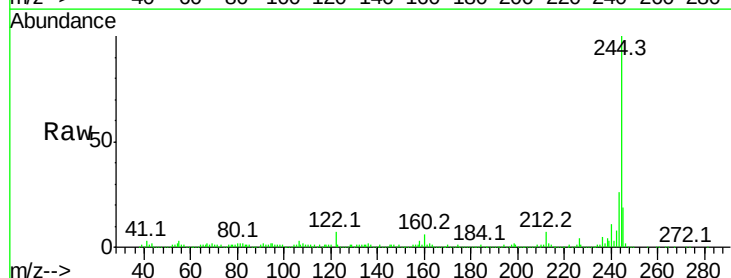
Tgt Ion:244 Resp: 1013827

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

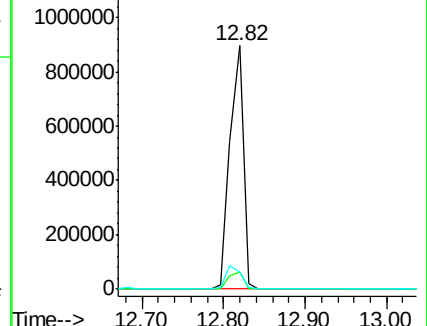
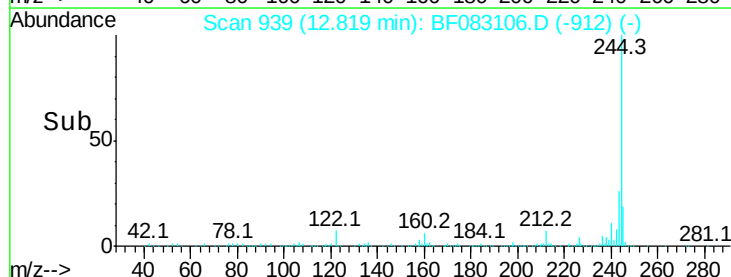
122 7.1 10.9 16.3#

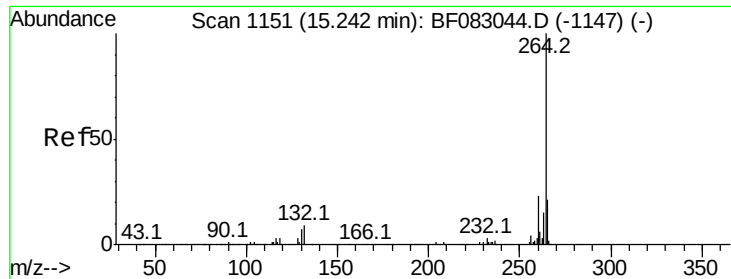


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF083106.D
Acq: 21 Nov 2015 5:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.4	17.0	25.6

