

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122315\
 Data File : BF084064.D
 Acq On : 24 Dec 2015 5:41
 Operator : UM/SJ
 Sample : G4925-02
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-01

Quant Time: Dec 24 07:21:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	47283	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	169672	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	133372	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	94277	20.00	ng	0.01
75) Chrysene-d12	14.00	240	89767	20.00	ng	0.00
86) Perylene-d12	15.43	264	80661	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	127247	45.89	ng	0.00
7) Phenol-d6	6.49	99	93185	28.58	ng	0.01
23) Nitrobenzene-d5	7.39	82	246904	89.39	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	85898	66.96	ng	0.02
44) 2-Fluorobiphenyl	9.20	172	448142	45.22	ng	0.00
78) Terphenyl-d14	12.95	244	279225	74.18	ng	0.01

Target Compounds

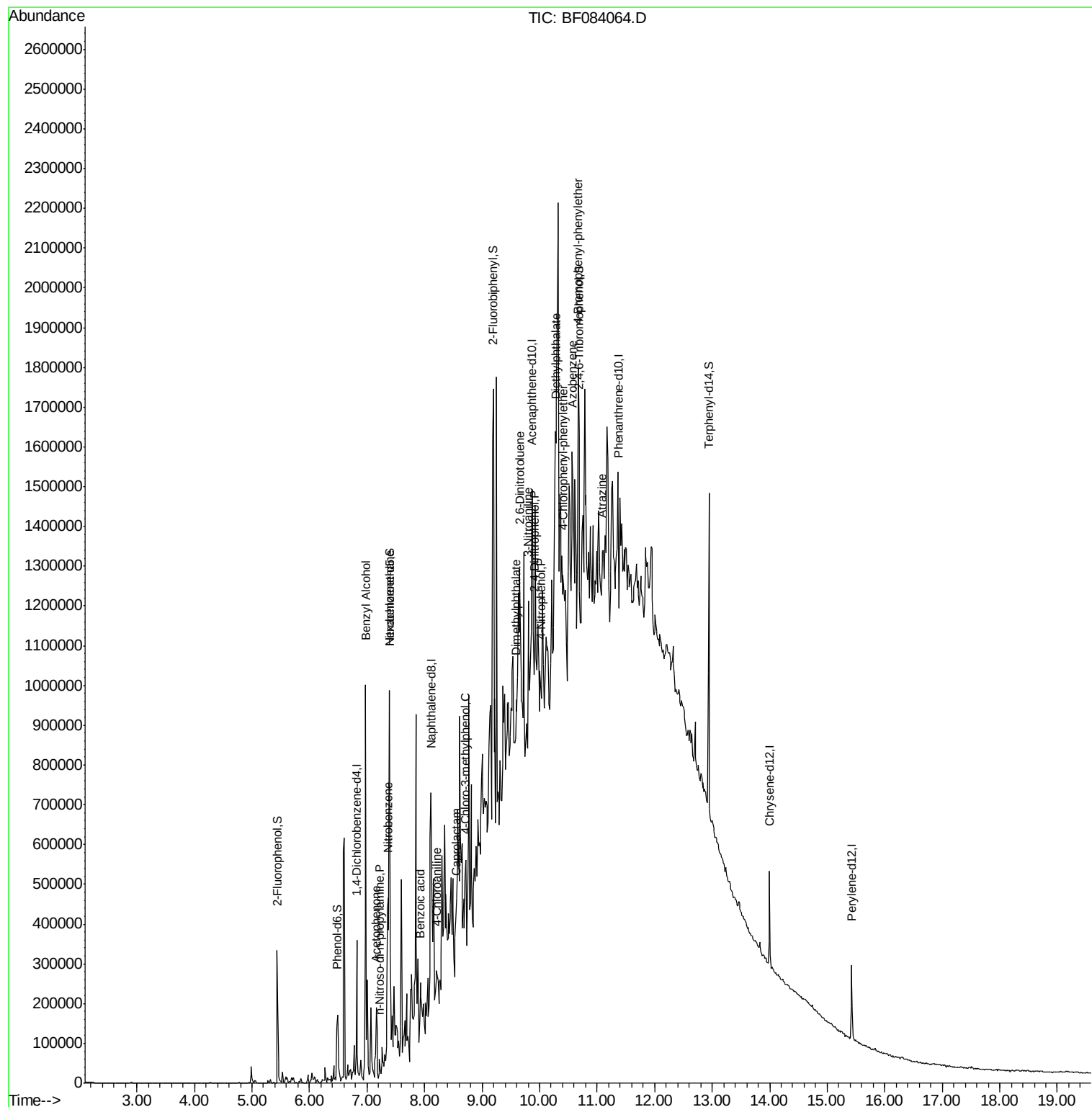
						Qvalue
15) Benzyl Alcohol	6.98	79	7869	3.07	ng	# 39
18) Hexachloroethane	7.39	117	143133	112.66	ng	# 7
19) n-Nitroso-di-n-propylamine	7.22	70	5368	2.72	ng	# 69
22) Acetophenone	7.16	105	28408	7.14	ng	# 71
24) Nitrobenzene	7.37	77	27720	9.74	ng	# 28
32) Benzoic acid	7.93	122	2167	6.84	ng	# 1
33) 4-Chloroaniline	8.21	127	10115	2.85	ng	# 84
35) Caprolactam	8.54	113	6933	9.67	ng	# 1
36) 4-Chloro-3-methylphenol	8.70	107	6590	2.58	ng	# 35
49) Dimethylphthalate	9.60	163	22165	2.12	ng	# 39
50) 2,6-Dinitrotoluene	9.65	165	6079	2.76	ng	# 1
52) 3-Nitroaniline	9.80	138	7267	3.11	ng	# 3
53) 2,4-Dinitrophenol	9.92	184	1651	9.58	ng	# 1
55) 4-Nitrophenol	10.02	139	6371	4.63	ng	# 1
59) Diethylphthalate	10.28	149	187719	18.30	ng	# 75
60) 4-Chlorophenyl-phenylether	10.41	204	10740	2.47	ng	# 83
62) Azobenzene	10.57	77	25800	2.85	ng	# 19
66) 4-Bromophenyl-phenylether	10.67	248	5805	5.37	ng	# 1
68) Atrazine	11.08	200	2553	2.43	ng	# 1

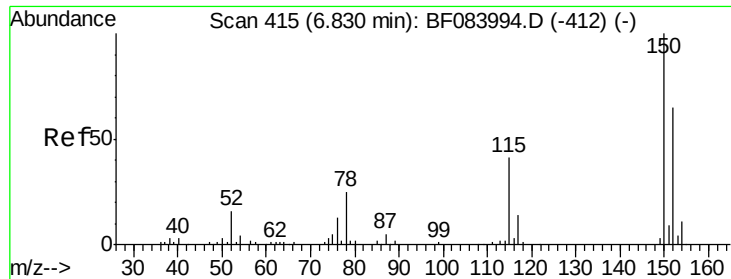
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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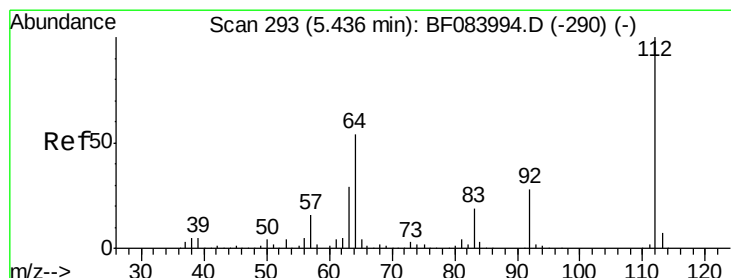
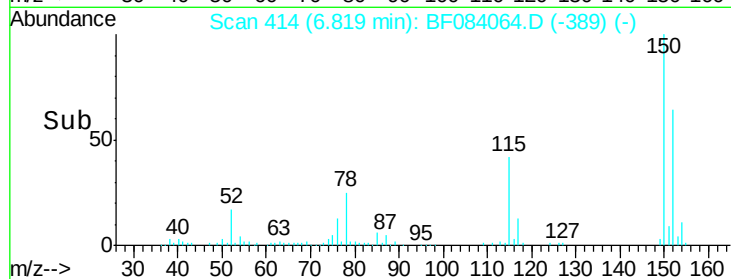
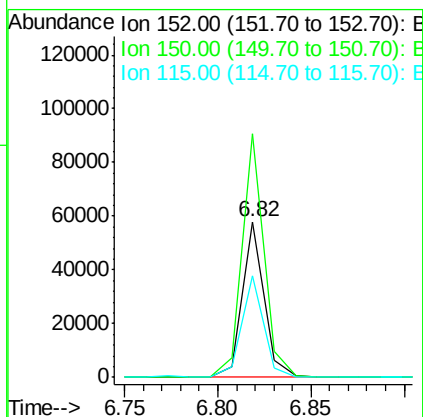
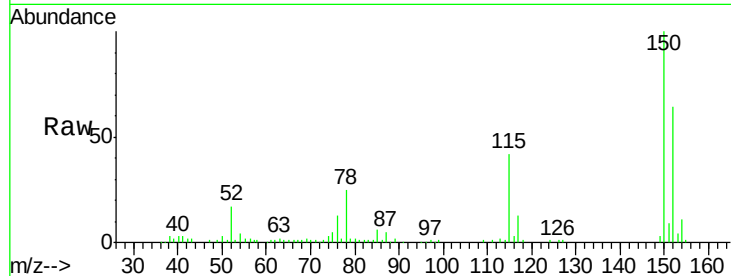




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: BF084064.D
 Acq: 24 Dec 2015 5:41

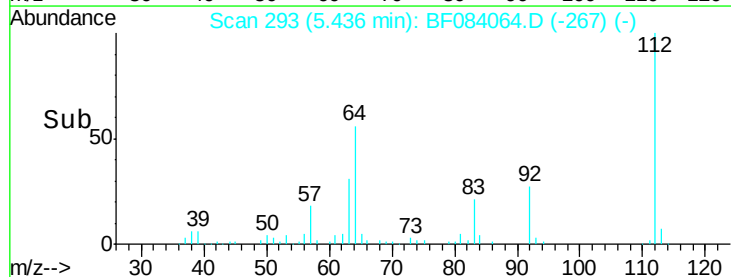
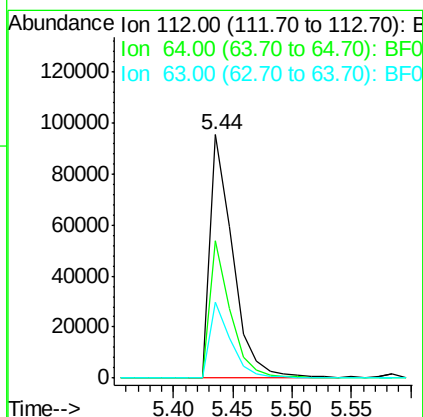
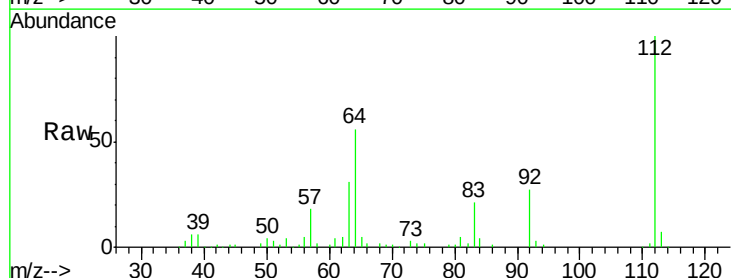
Instrument :
 BNA_F
 ClientSampleId :
 W-01

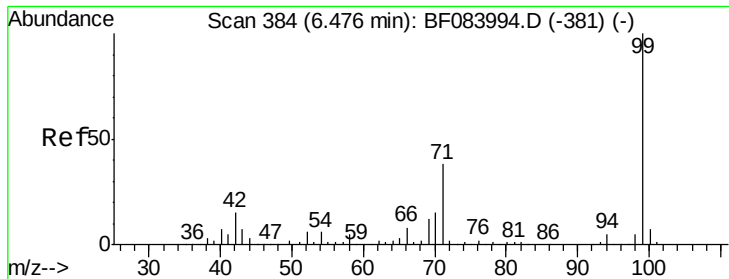
Tgt Ion:152 Resp: 47283
 Ion Ratio Lower Upper
 152 100
 150 156.7 123.0 184.4
 115 65.6 51.4 77.2



#5
 2-Fluorophenol
 Concen: 45.89 ng
 RT: 5.44 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: BF084064.D
 Acq: 24 Dec 2015 5:41

Tgt Ion:112 Resp: 127247
 Ion Ratio Lower Upper
 112 100
 64 56.4 36.6 55.0#
 63 31.3 19.4 29.0#





#7

Phenol-d6

Concen: 28.58 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

Instrument :

BNA_F

ClientSampleId :

W-01

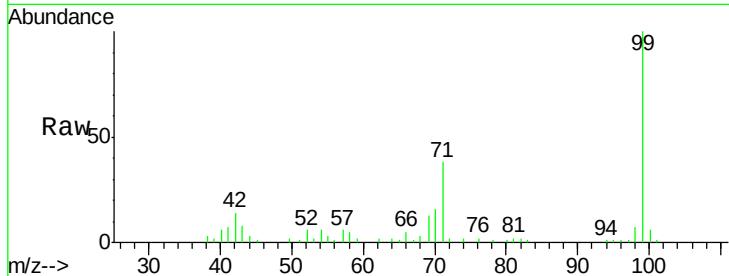
Tgt Ion: 99 Resp: 93185

Ion Ratio Lower Upper

99 100

42 14.1 12.8 19.2

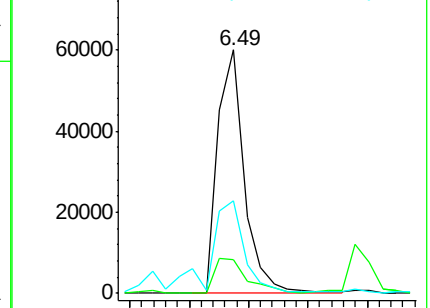
71 38.0 30.9 46.3



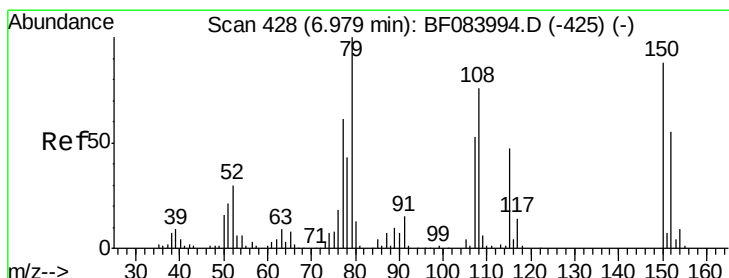
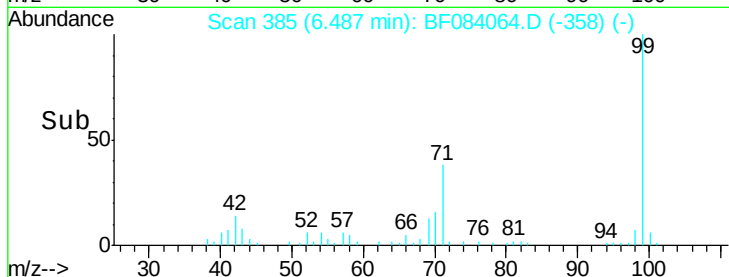
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#15

Benzyl Alcohol

Concen: 3.07 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

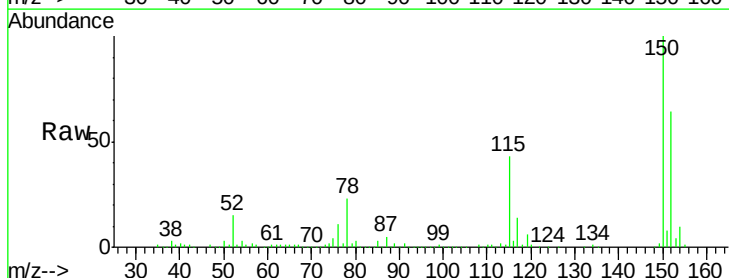
Tgt Ion: 79 Resp: 7869

Ion Ratio Lower Upper

79 100

108 34.1 69.0 103.4#

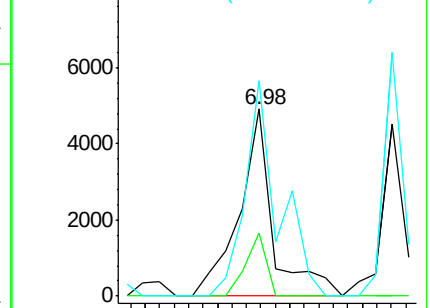
77 115.1 50.0 75.0#



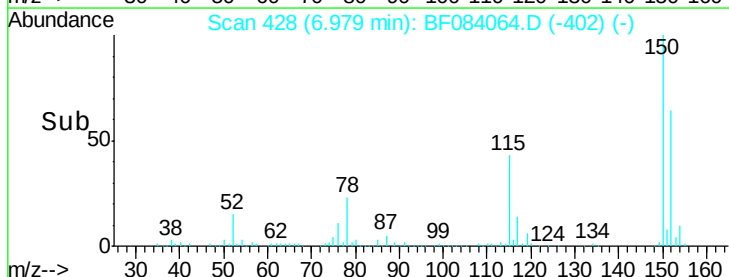
Abundance Ion 79.00 (78.70 to 79.70): BF0

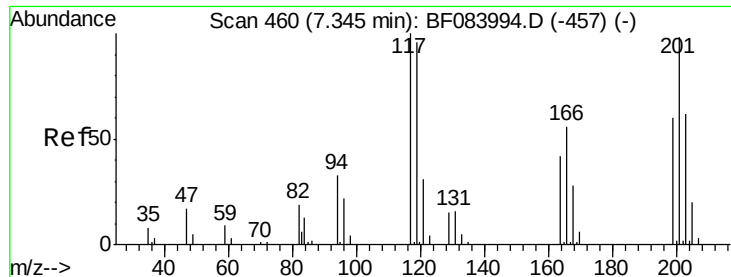
Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



Time-->

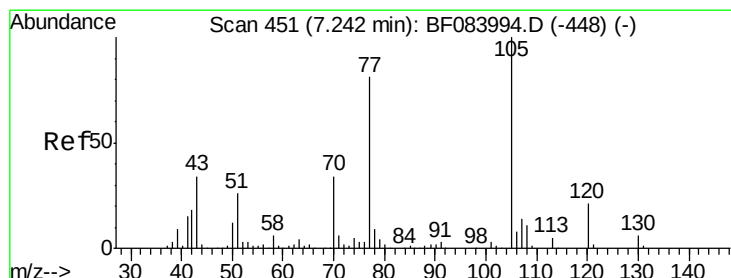
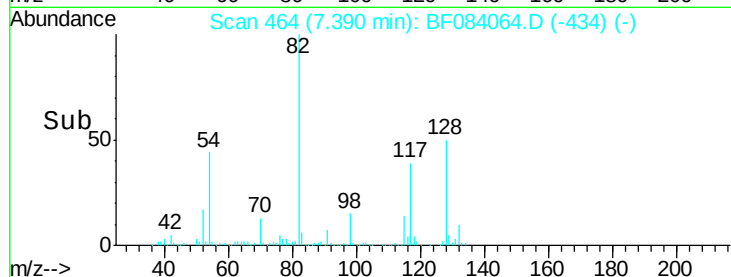
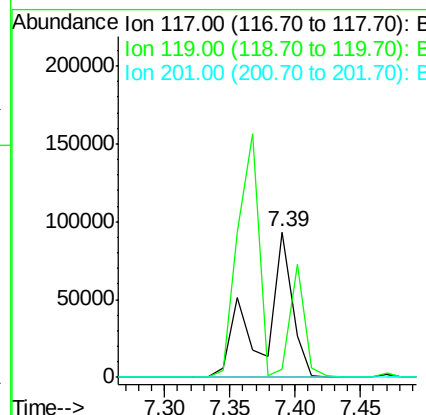
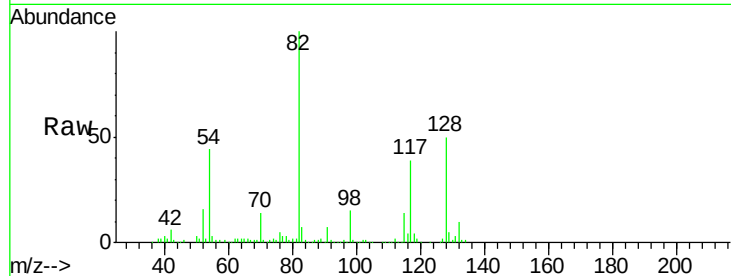




#18
Hexachloroethane
Concen: 112.66 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.05 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

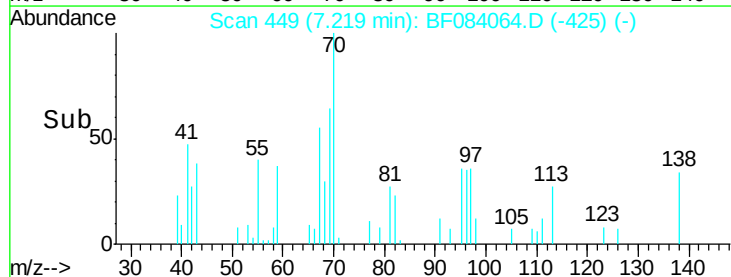
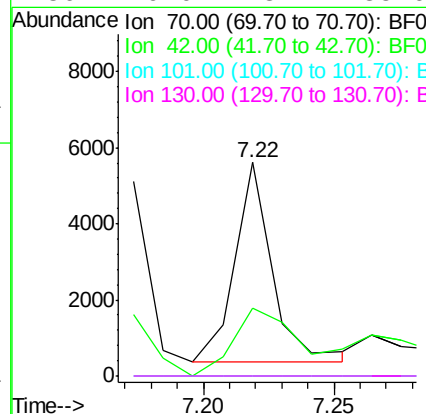
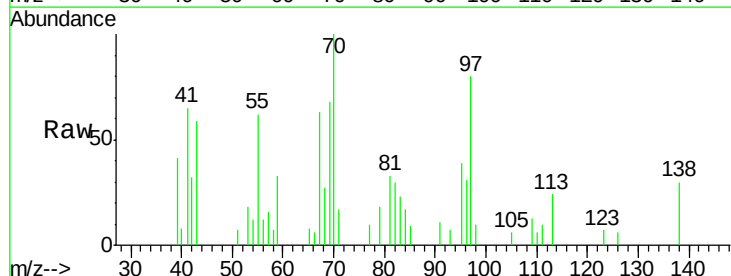
Instrument :
BNA_F
ClientSampled :
W-01

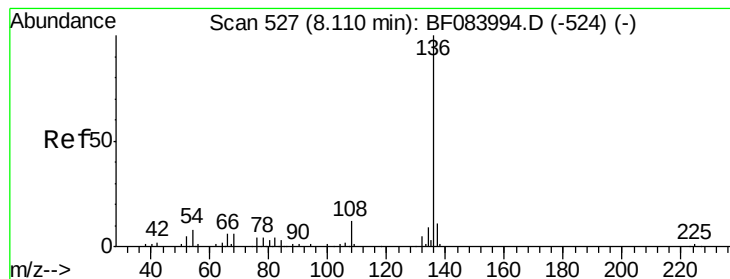
Tgt Ion: 117 Resp: 143133
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.0#
201 0.0 68.6 103.0#



#19
n-Nitroso-di-n-propylamine
Concen: 2.72 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.02 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

Tgt Ion: 70 Resp: 5368
Ion Ratio Lower Upper
70 100
42 32.0 33.3 49.9#
101 0.0 9.3 13.9#
130 0.0 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

Instrument :

BNA_F

ClientSampleId :

W-01

Tgt Ion:136 Resp: 169672

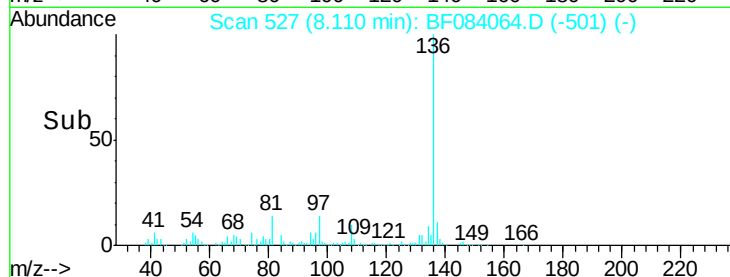
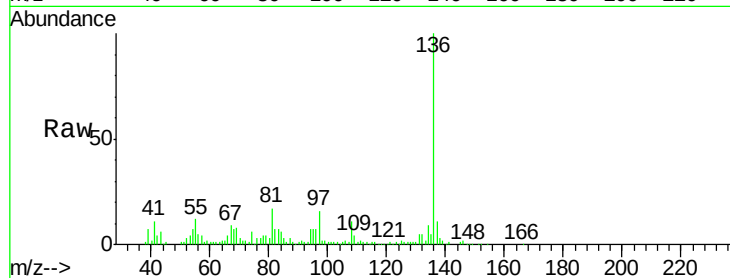
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 7.3 5.8 8.8

68 6.8 4.2 6.2#

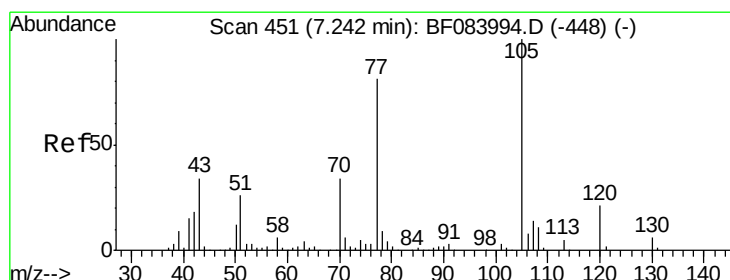
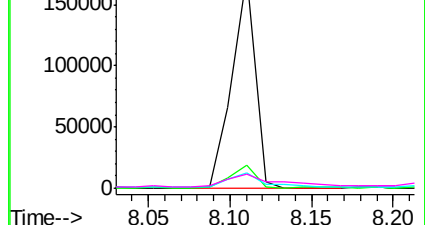


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 7.14 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.08 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

Tgt Ion:105 Resp: 28408

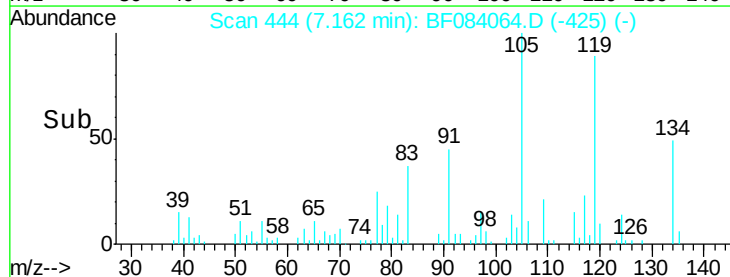
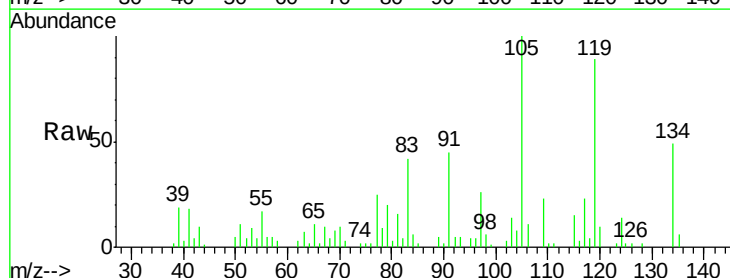
Ion Ratio Lower Upper

105 100

71 3.3 3.7 5.5#

51 11.3 25.1 37.7#

120 9.7 16.6 25.0#

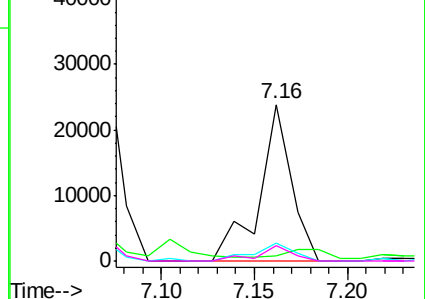


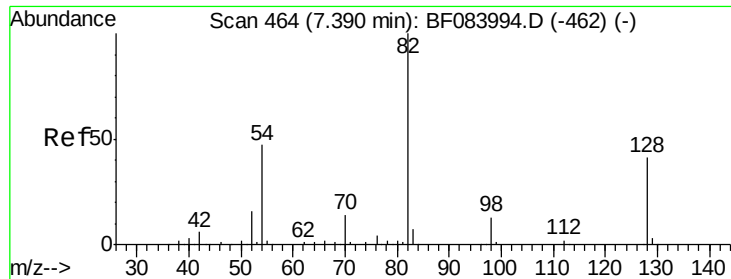
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

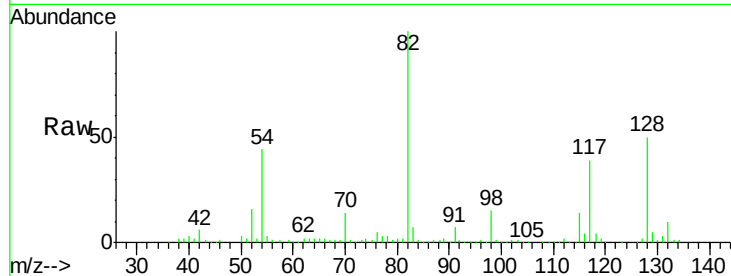




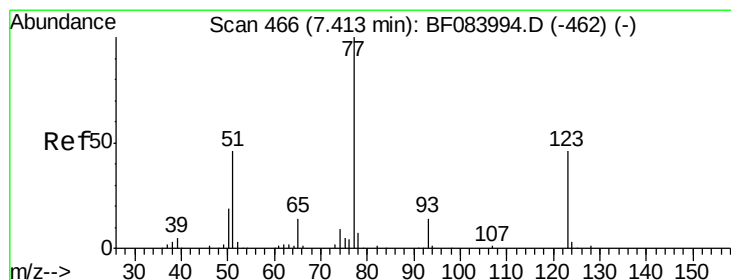
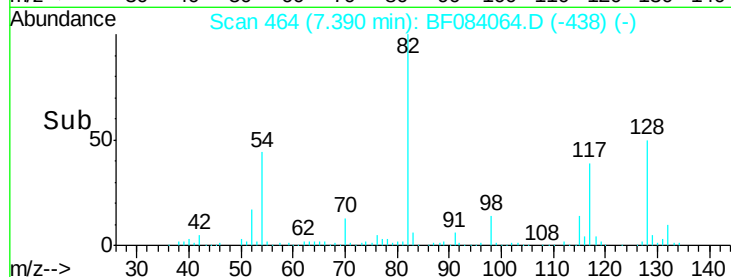
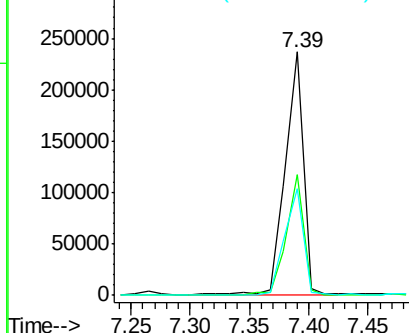
#23
Nitrobenzene-d5
Concen: 89.39 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

Instrument :
BNA_F
ClientSampleId :
W-01

Tgt Ion: 82 Resp: 246904
Ion Ratio Lower Upper
82 100
128 49.7 34.6 51.8
54 44.0 38.4 57.6

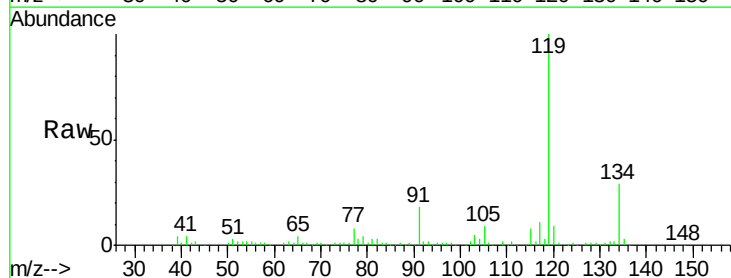


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

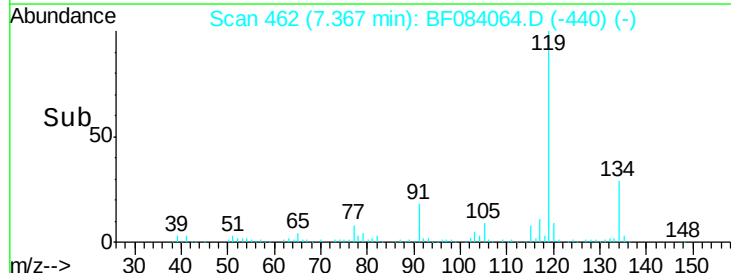
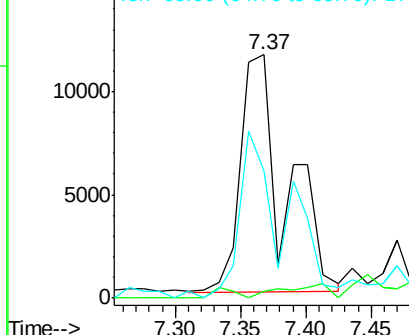


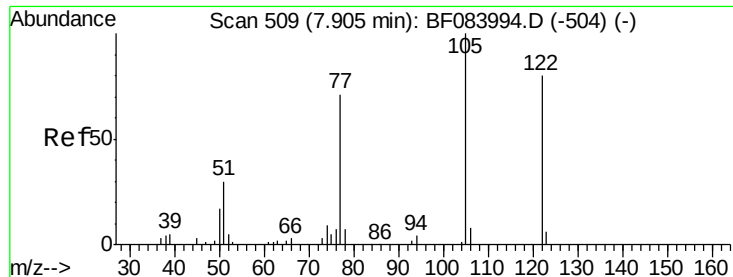
#24
Nitrobenzene
Concen: 9.74 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

Tgt Ion: 77 Resp: 27720
Ion Ratio Lower Upper
77 100
123 2.9 37.4 56.2#
65 52.0 10.9 16.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0

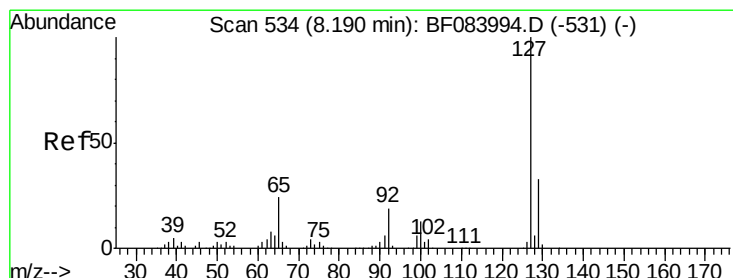
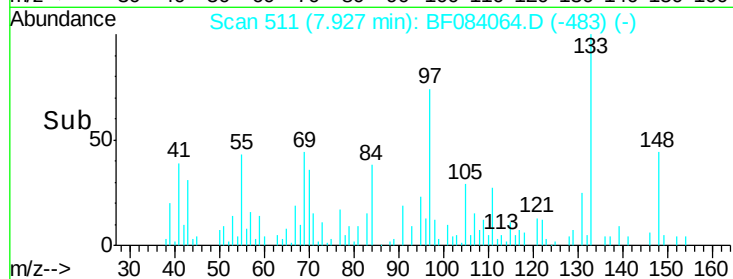
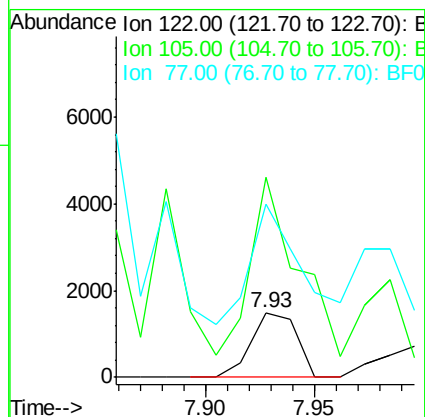
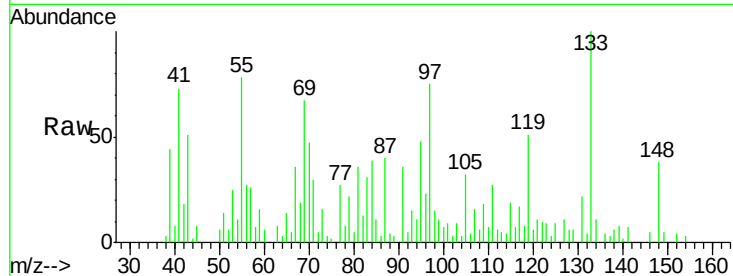




#32
Benzoic acid
Concen: 6.84 ng
RT: 7.93 min Scan# 511
Delta R.T. 0.02 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

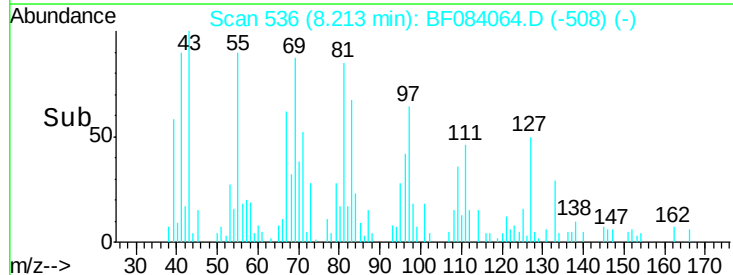
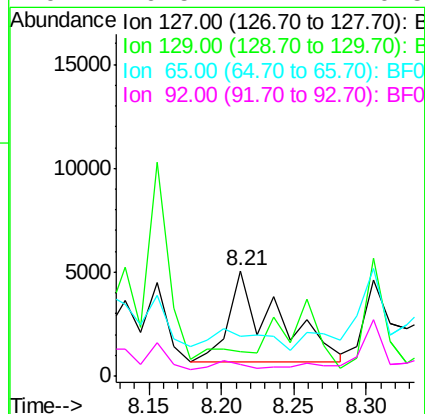
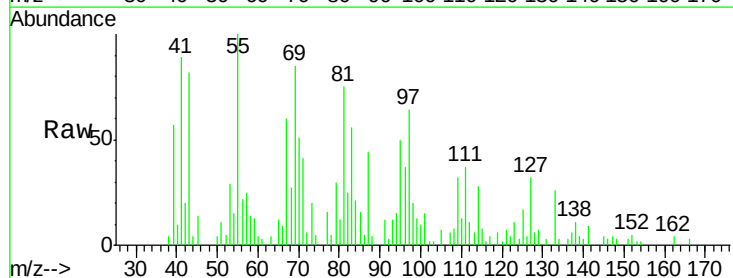
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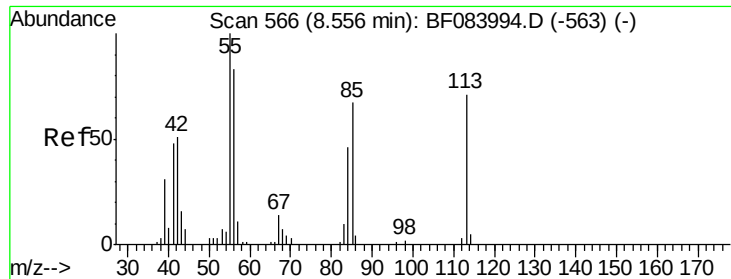
Tgt Ion:122 Resp: 2167
Ion Ratio Lower Upper
122 100
105 308.3 100.3 140.3#
77 266.4 63.5 103.5#



#33
4-Chloroaniline
Concen: 2.85 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.02 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

Tgt Ion:127 Resp: 10115
Ion Ratio Lower Upper
127 100
129 23.0 26.5 39.7#
65 38.4 27.2 40.8
92 10.5 17.7 26.5#

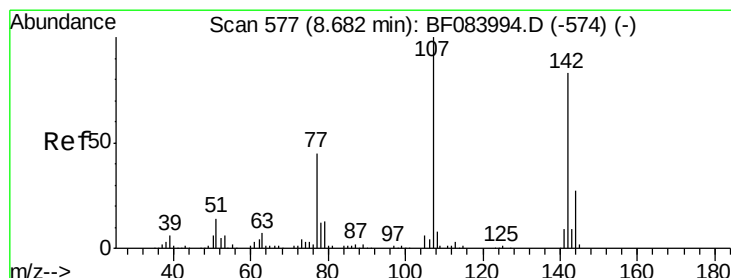
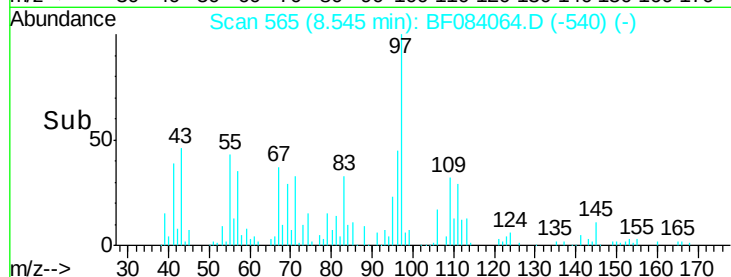
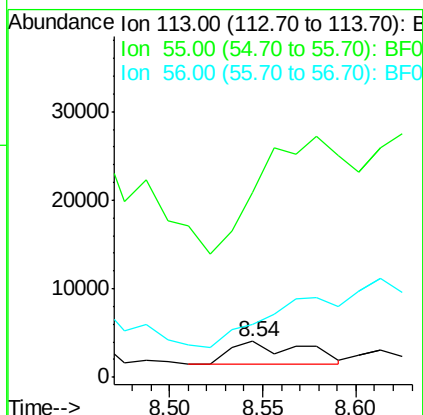
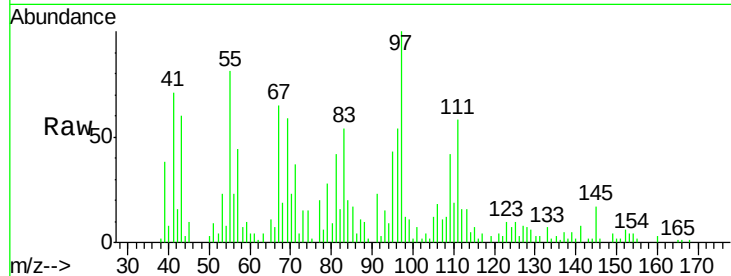




#35
 Caprolactam
 Concen: 9.67 ng
 RT: 8.54 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF084064.D
 Acq: 24 Dec 2015 5:41

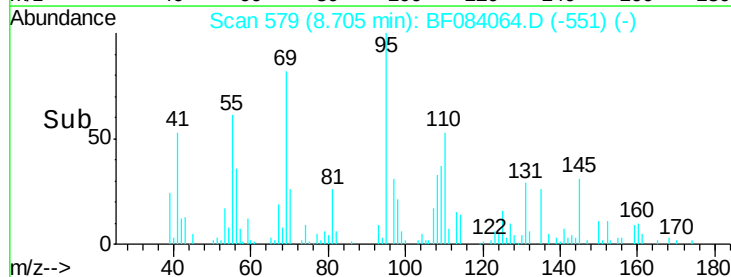
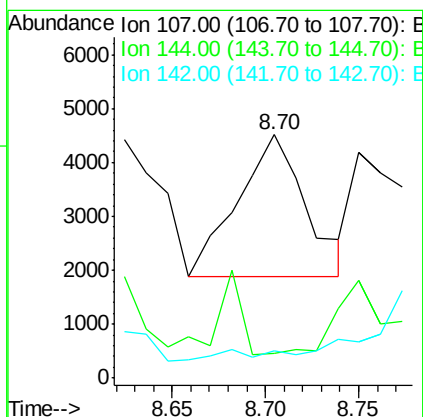
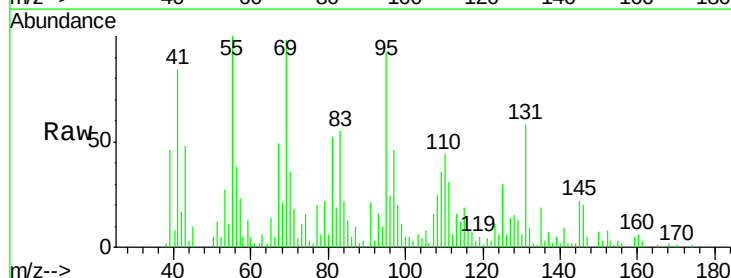
Instrument :
 BNA_F
 ClientSampleId :
 W-01

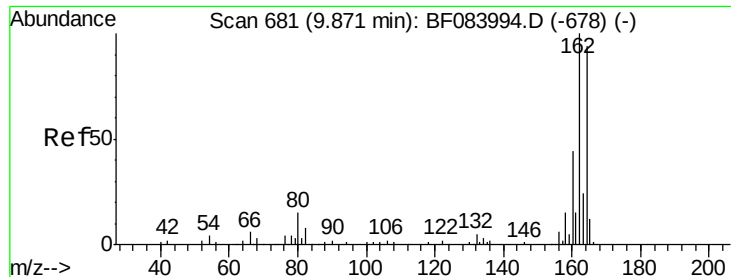
Tgt Ion:113 Resp: 6933
 Ion Ratio Lower Upper
 113 100
 55 510.5 116.9 156.9#
 56 147.8 93.8 133.8#



#36
 4-Chloro-3-methylphenol
 Concen: 2.58 ng
 RT: 8.70 min Scan# 579
 Delta R.T. 0.02 min
 Lab File: BF084064.D
 Acq: 24 Dec 2015 5:41

Tgt Ion:107 Resp: 6590
 Ion Ratio Lower Upper
 107 100
 144 10.4 19.7 29.5#
 142 11.2 61.8 92.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

Instrument :

BNA_F

ClientSampleId :

W-01

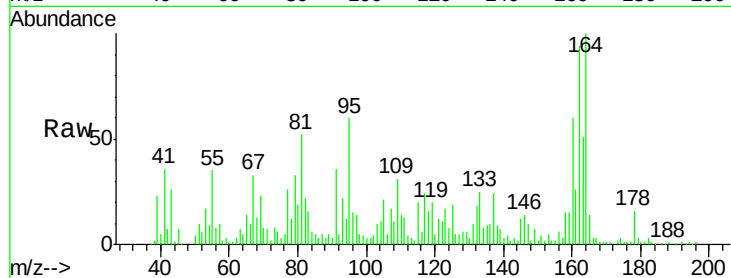
Tgt Ion:164 Resp: 133372

Ion Ratio Lower Upper

164 100

162 94.1 85.1 127.7

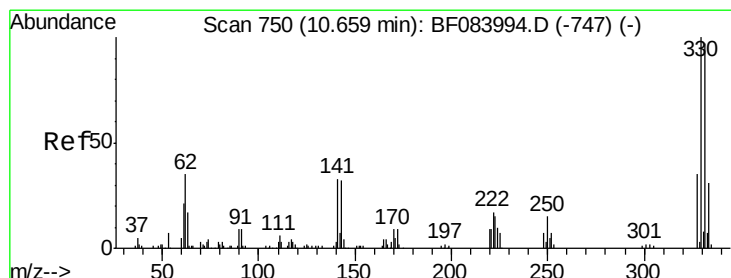
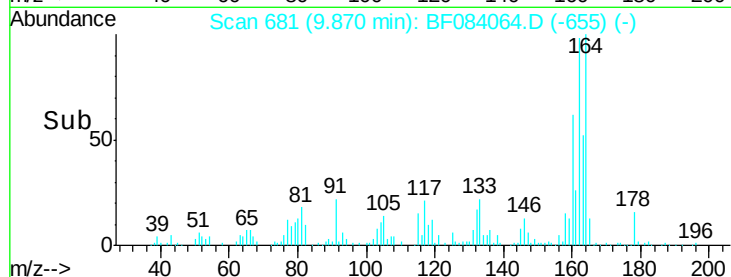
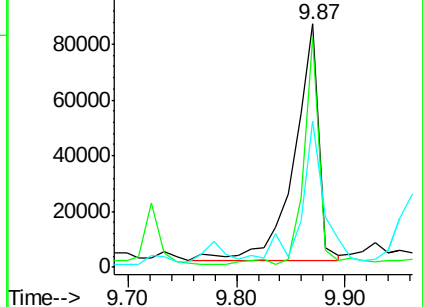
160 60.4 37.5 56.3#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 66.96 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

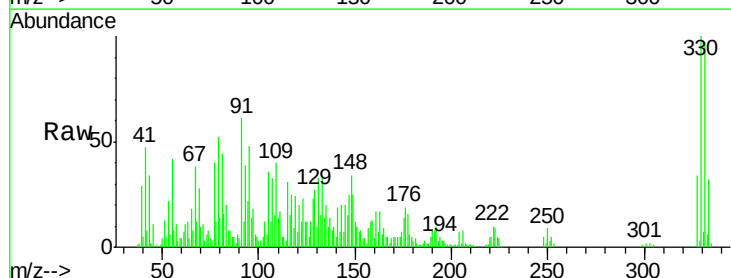
Tgt Ion:330 Resp: 85898

Ion Ratio Lower Upper

330 100

332 96.9 76.6 114.8

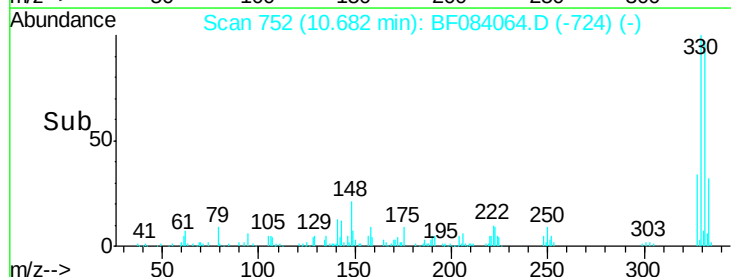
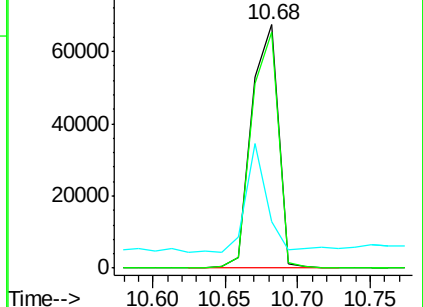
141 36.6 27.8 41.6

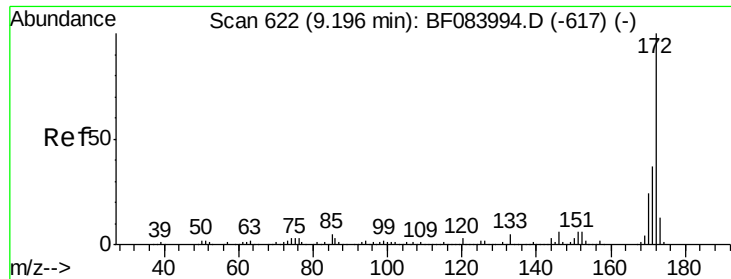


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

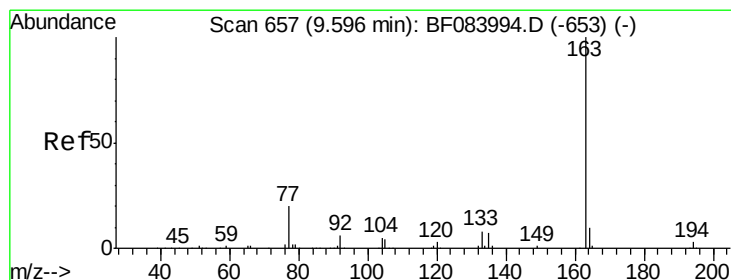
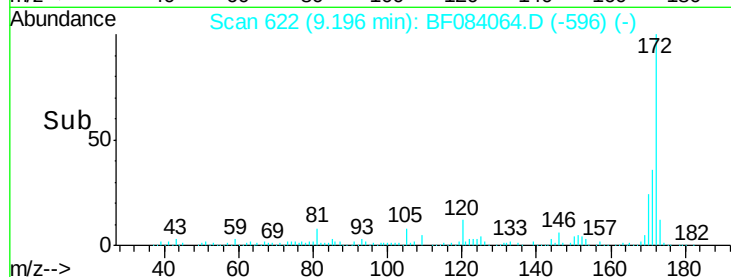
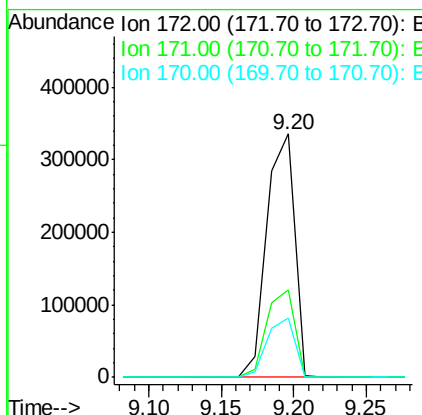
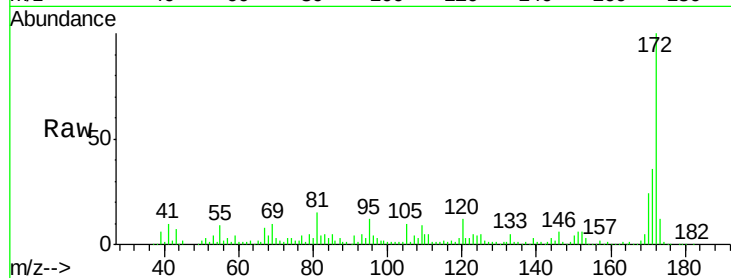




#44
2-Fluorobiphenyl
Concen: 45.22 ng
RT: 9.20 min Scan# 622
Delta R.T. 0.00 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

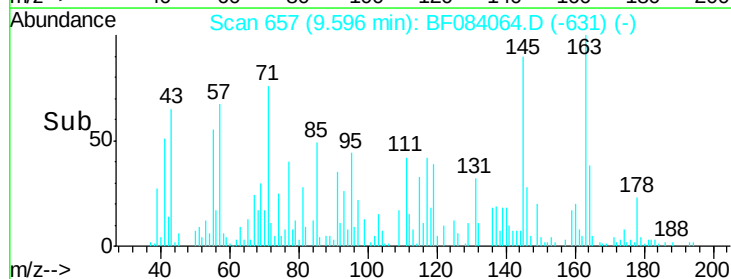
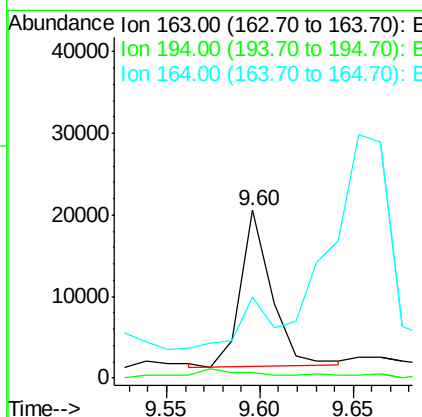
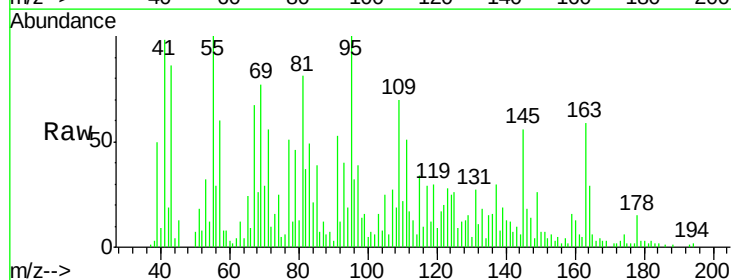
Instrument :
BNA_F
ClientSampleId :
W-01

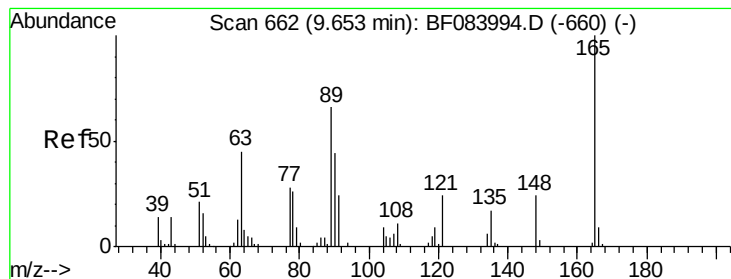
Tgt Ion:172 Resp: 448142
Ion Ratio Lower Upper
172 100
171 36.1 28.9 43.3
170 24.2 18.6 27.8



#49
Dimethylphthalate
Concen: 2.12 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.00 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

Tgt Ion:163 Resp: 22165
Ion Ratio Lower Upper
163 100
194 3.6 8.0 12.0#
164 48.7 8.0 12.0#





#50

2,6-Dinitrotoluene

Concen: 2.76 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.00 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

Instrument :

BNA_F

ClientSampleId :

W-01

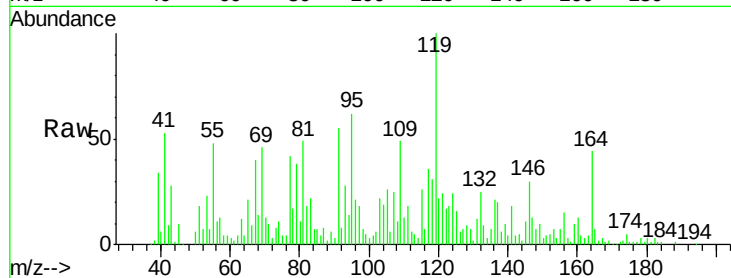
Tgt Ion:165 Resp: 6079

Ion Ratio Lower Upper

165 100

63 183.1 28.8 43.2#

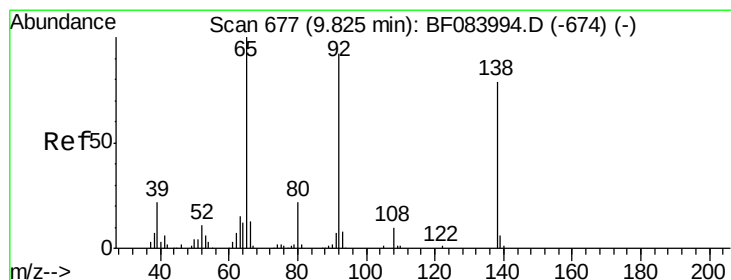
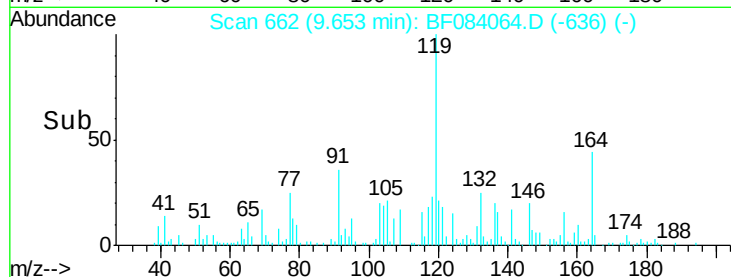
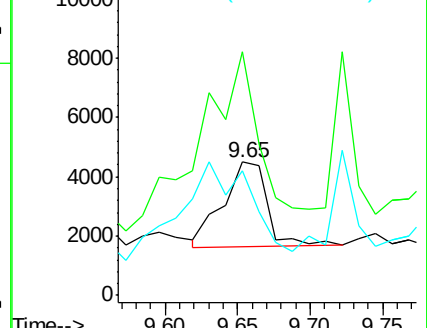
89 93.2 35.1 52.7#



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: 3.11 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

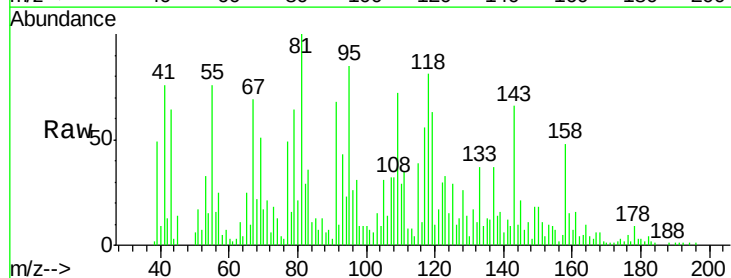
Tgt Ion:138 Resp: 7267

Ion Ratio Lower Upper

138 100

108 227.0 10.5 15.7#

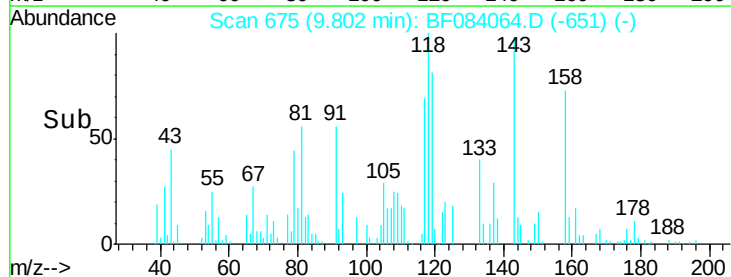
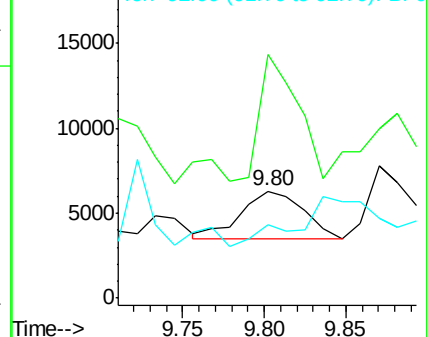
92 68.5 103.9 155.9#

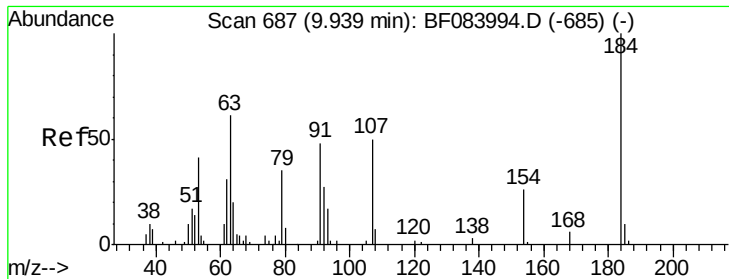


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

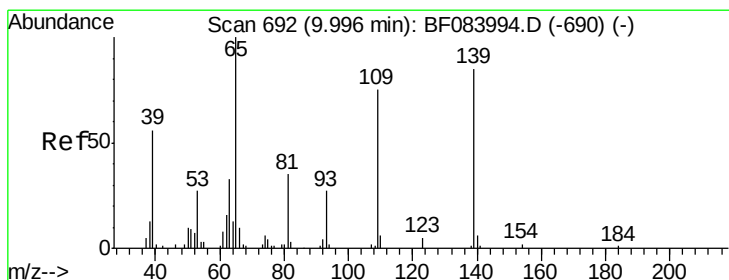
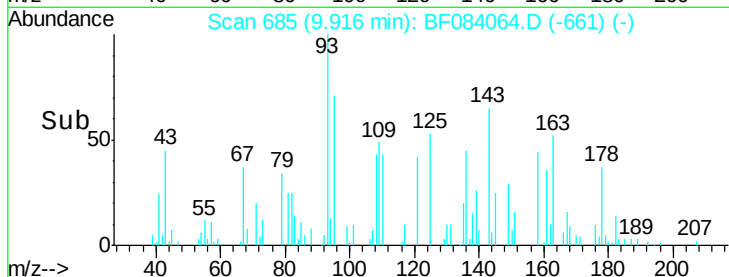
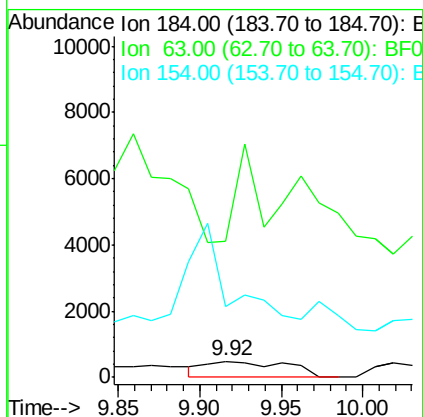
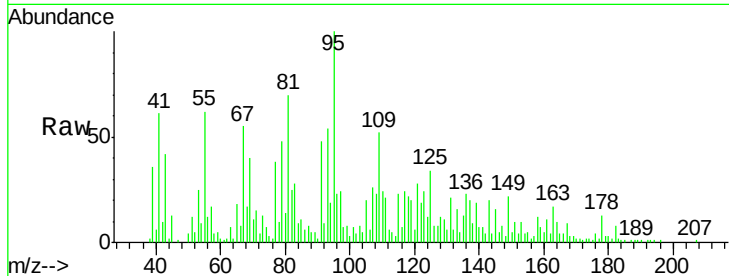




#53
 2,4-Dinitrophenol
 Concen: 9.58 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.02 min
 Lab File: BF084064.D
 Acq: 24 Dec 2015 5:41

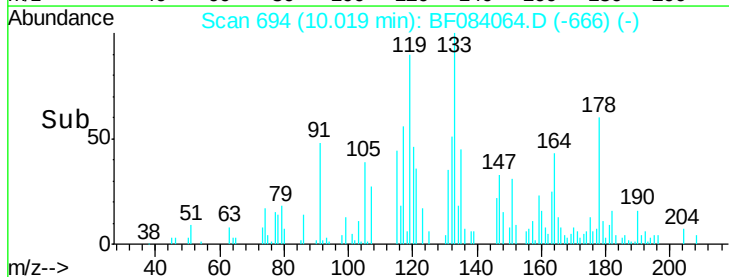
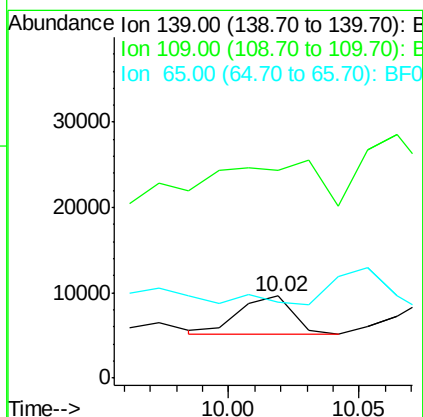
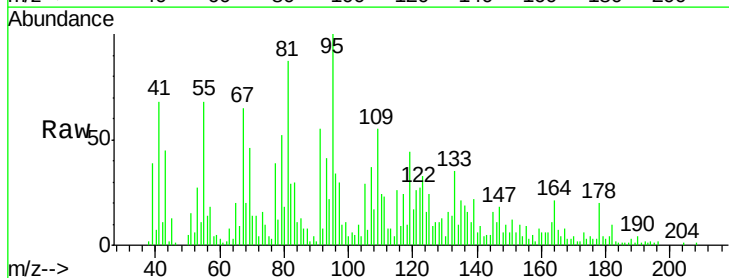
Instrument :
 BNA_F
 ClientSampled :
 W-01

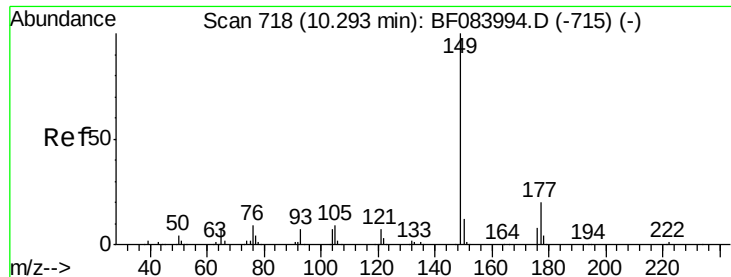
Tgt Ion:184 Resp: 1651
 Ion Ratio Lower Upper
 184 100
 63 836.7 43.1 64.7#
 154 434.5 60.5 90.7#



#55
 4-Nitrophenol
 Concen: 4.63 ng
 RT: 10.02 min Scan# 694
 Delta R.T. 0.02 min
 Lab File: BF084064.D
 Acq: 24 Dec 2015 5:41

Tgt Ion:139 Resp: 6371
 Ion Ratio Lower Upper
 139 100
 109 253.4 58.5 98.5#
 65 93.1 57.6 97.6

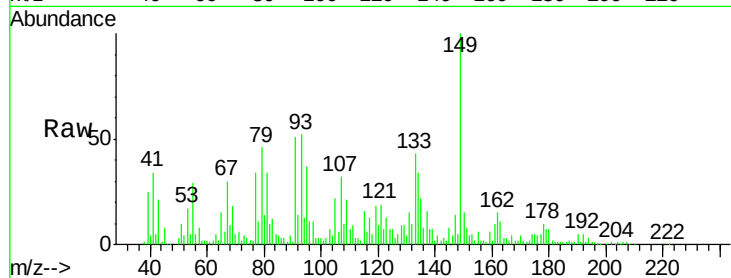




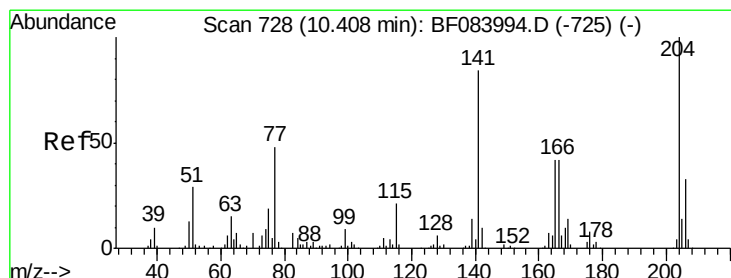
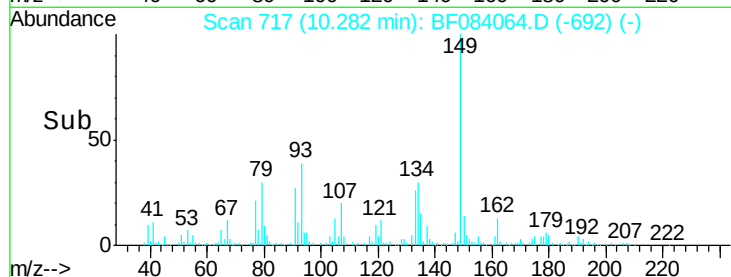
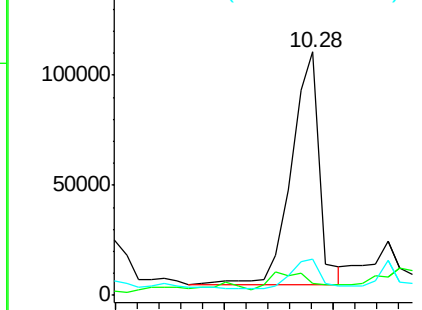
#59
Diethylphthalate
Concen: 18.30 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

Instrument :
BNA_F
ClientSampled :
W-01

Tgt Ion:149 Resp: 187719
Ion Ratio Lower Upper
149 100
177 5.0 17.3 25.9#
150 14.9 9.8 14.8#

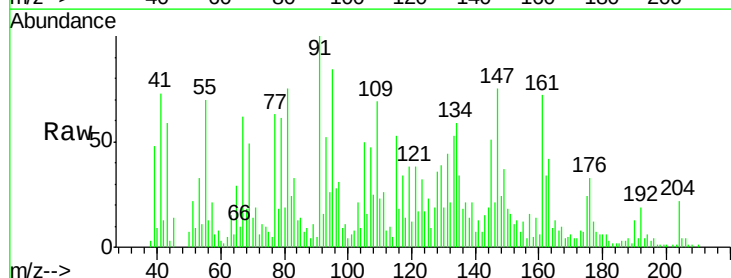


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

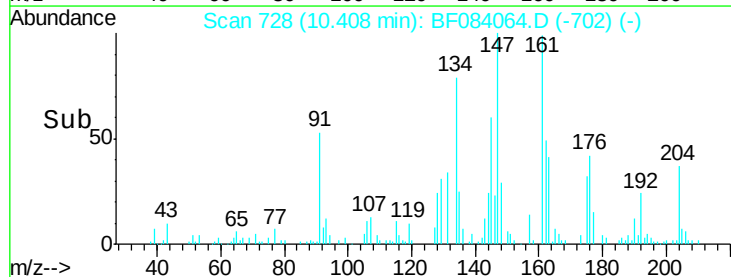
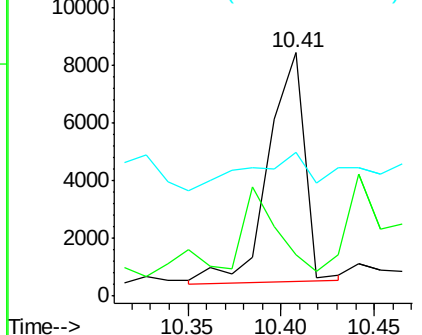


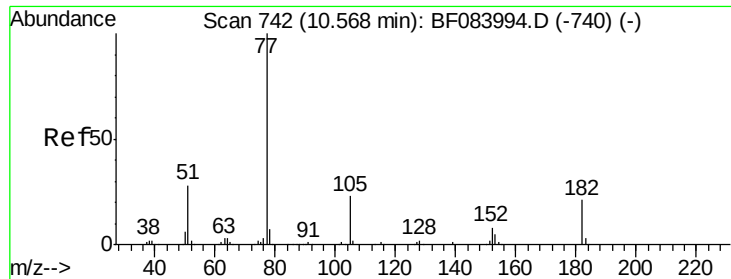
#60
4-Chlorophenyl-phenylether
Concen: 2.47 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

Tgt Ion:204 Resp: 10740
Ion Ratio Lower Upper
204 100
206 16.9 25.7 38.5#
141 58.9 55.1 82.7



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#62

Azobenzene

Concen: 2.85 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

Instrument :

BNA_F

ClientSampleId :

W-01

Tgt Ion: 77 Resp: 25800

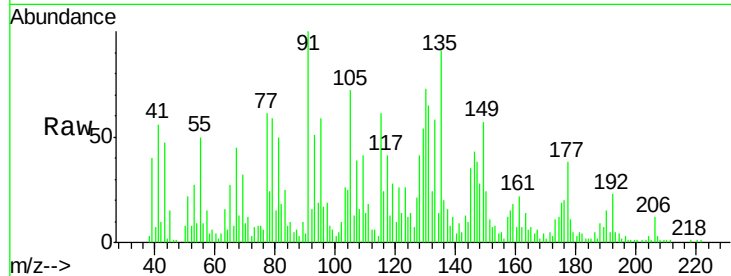
Ion Ratio Lower Upper

77 100

182 6.4 8.3 48.3#

105 118.8 4.6 44.6#

51 36.9 6.2 46.2

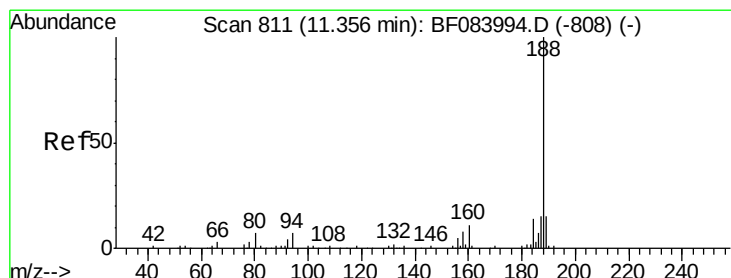
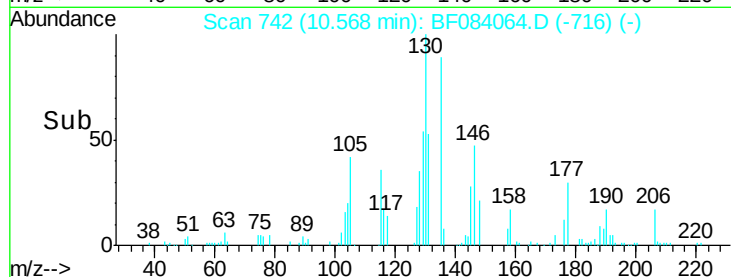
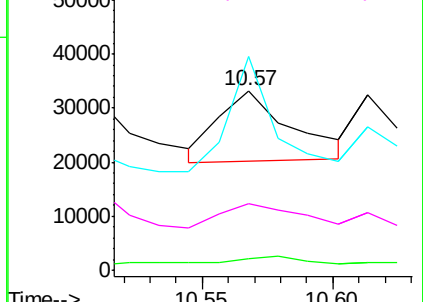


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.37 min Scan# 812

Delta R.T. 0.01 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

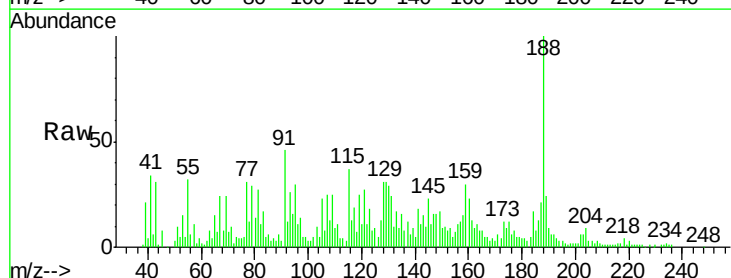
Tgt Ion: 188 Resp: 94277

Ion Ratio Lower Upper

188 100

94 16.2 9.0 13.4#

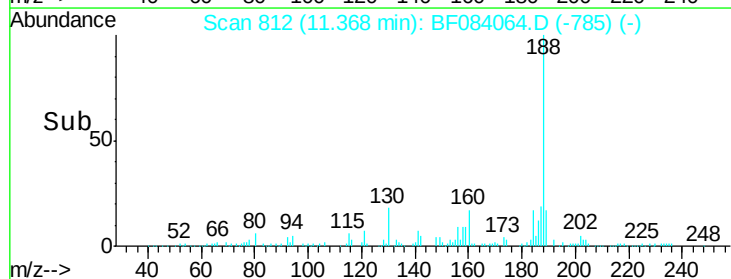
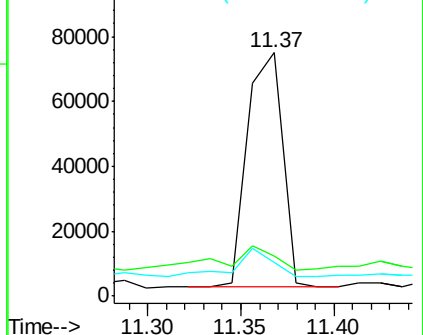
80 13.6 9.6 14.4

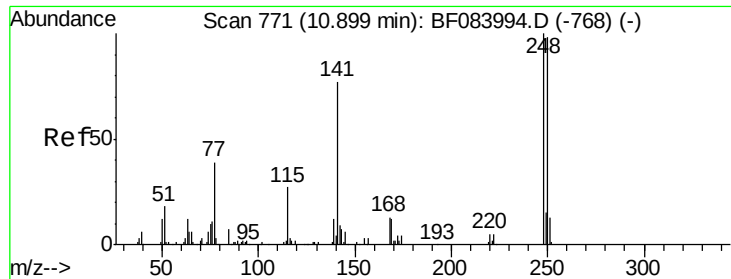


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

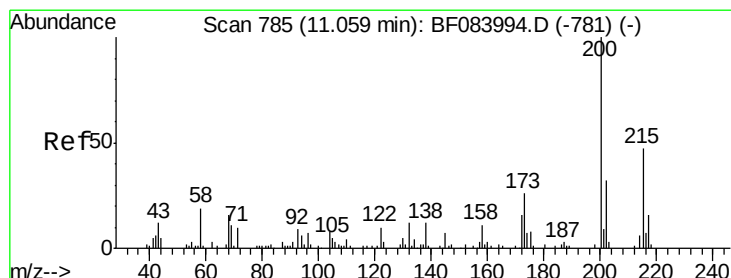
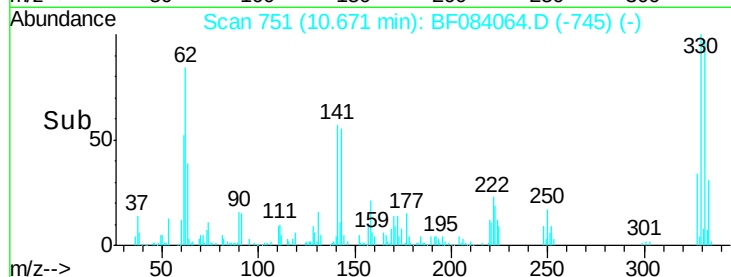
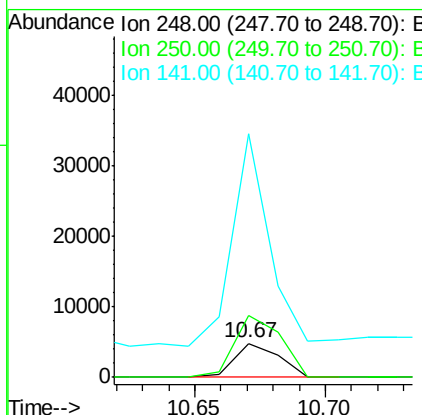
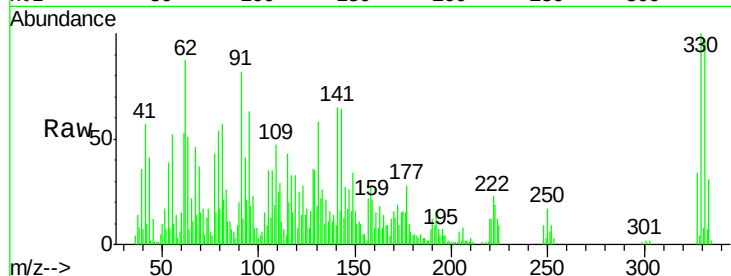




#66
4-Bromophenyl-phenylether
Concen: 5.37 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.23 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

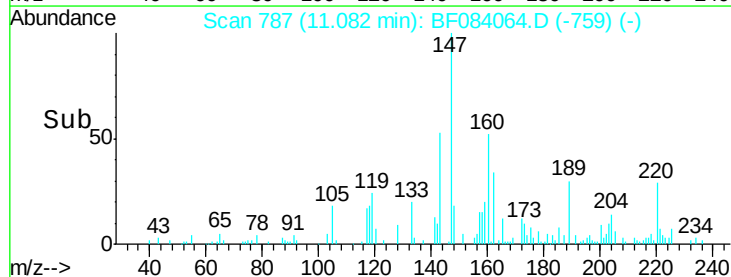
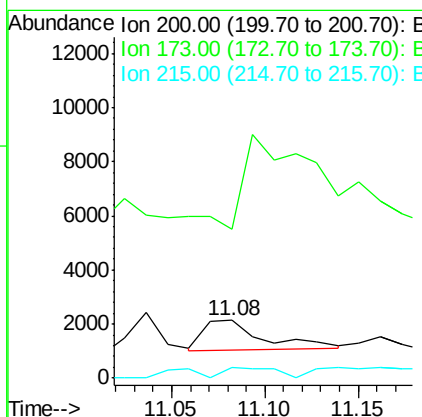
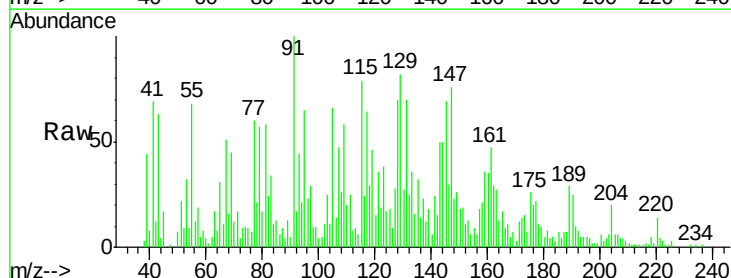
Instrument :
BNA_F
ClientSampled :
W-01

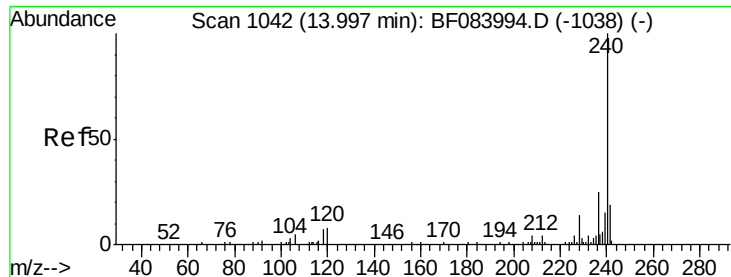
Tgt Ion:248 Resp: 5805
Ion Ratio Lower Upper
248 100
250 180.4 78.4 117.6#
141 712.8 44.0 66.0#



#68
Atrazine
Concen: 2.43 ng
RT: 11.08 min Scan# 787
Delta R.T. 0.02 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

Tgt Ion:200 Resp: 2553
Ion Ratio Lower Upper
200 100
173 257.5 9.5 49.5#
215 17.7 23.8 63.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

Instrument :

BNA_F

ClientSampleId :

W-01

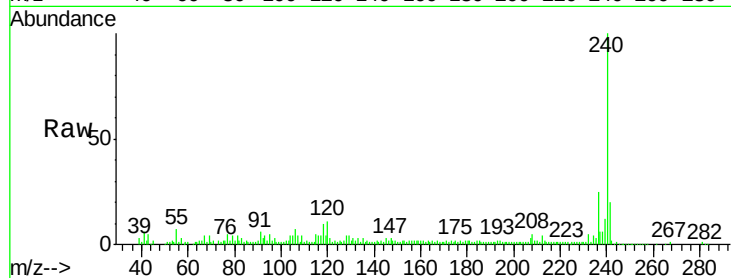
Tgt Ion:240 Resp: 89767

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

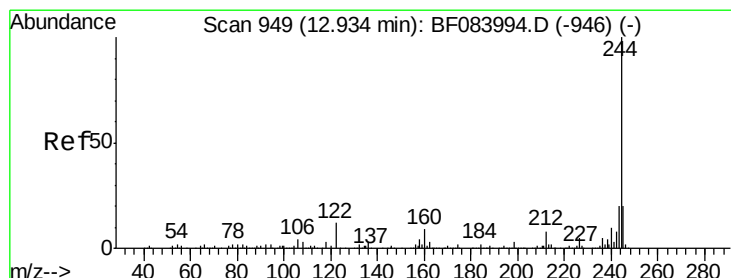
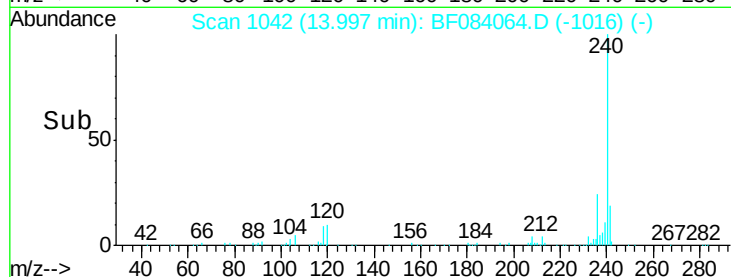
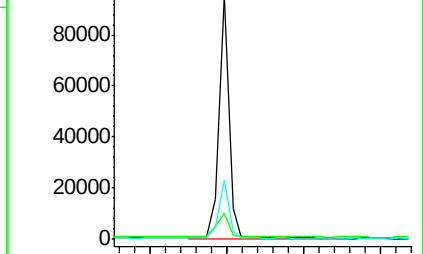
236 24.6 20.6 31.0



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: 74.18 ng

RT: 12.95 min Scan# 950

Delta R.T. 0.01 min

Lab File: BF084064.D

Acq: 24 Dec 2015 5:41

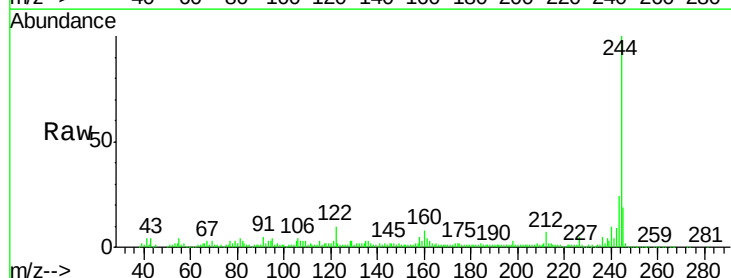
Tgt Ion:244 Resp: 279225

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

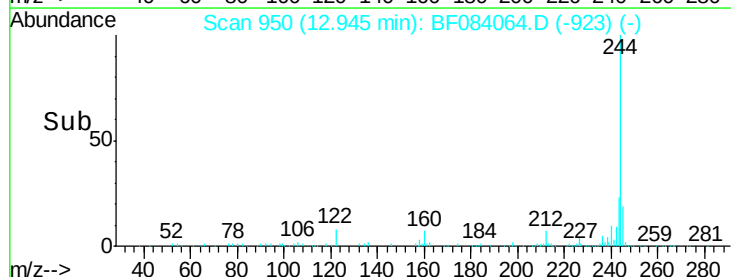
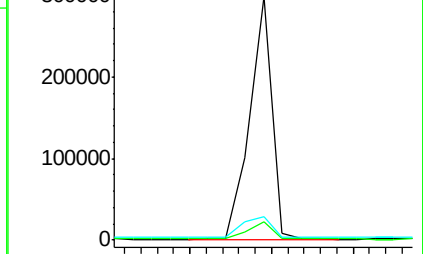
122 9.7 7.4 11.0

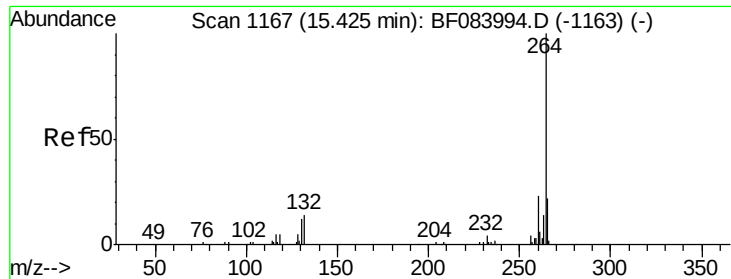


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF084064.D
Acq: 24 Dec 2015 5:41

Instrument :
BNA_F
ClientSampleId :
W-01

Tgt Ion: 264 Resp: 80661
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.2
265 21.6 17.8 26.6

