

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
 Data File : BF084070.D
 Acq On : 24 Dec 2015 8:32
 Operator : UM/SJ
 Sample : G4925-08
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 24 09:48:21 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	52710	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	188891	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	85944	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	126263	20.00	ng	0.00
75) Chrysene-d12	13.99	240	93211	20.00	ng	-0.01
86) Perylene-d12	15.41	264	83755	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	136798	44.25	ng	0.01
7) Phenol-d6	6.50	99	104727	28.81	ng	0.02
23) Nitrobenzene-d5	7.39	82	271373	88.26	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	94906	114.81	ng	0.01
44) 2-Fluorobiphenyl	9.20	172	497634	77.93	ng	0.00
78) Terphenyl-d14	12.93	244	282877	72.37	ng	0.00

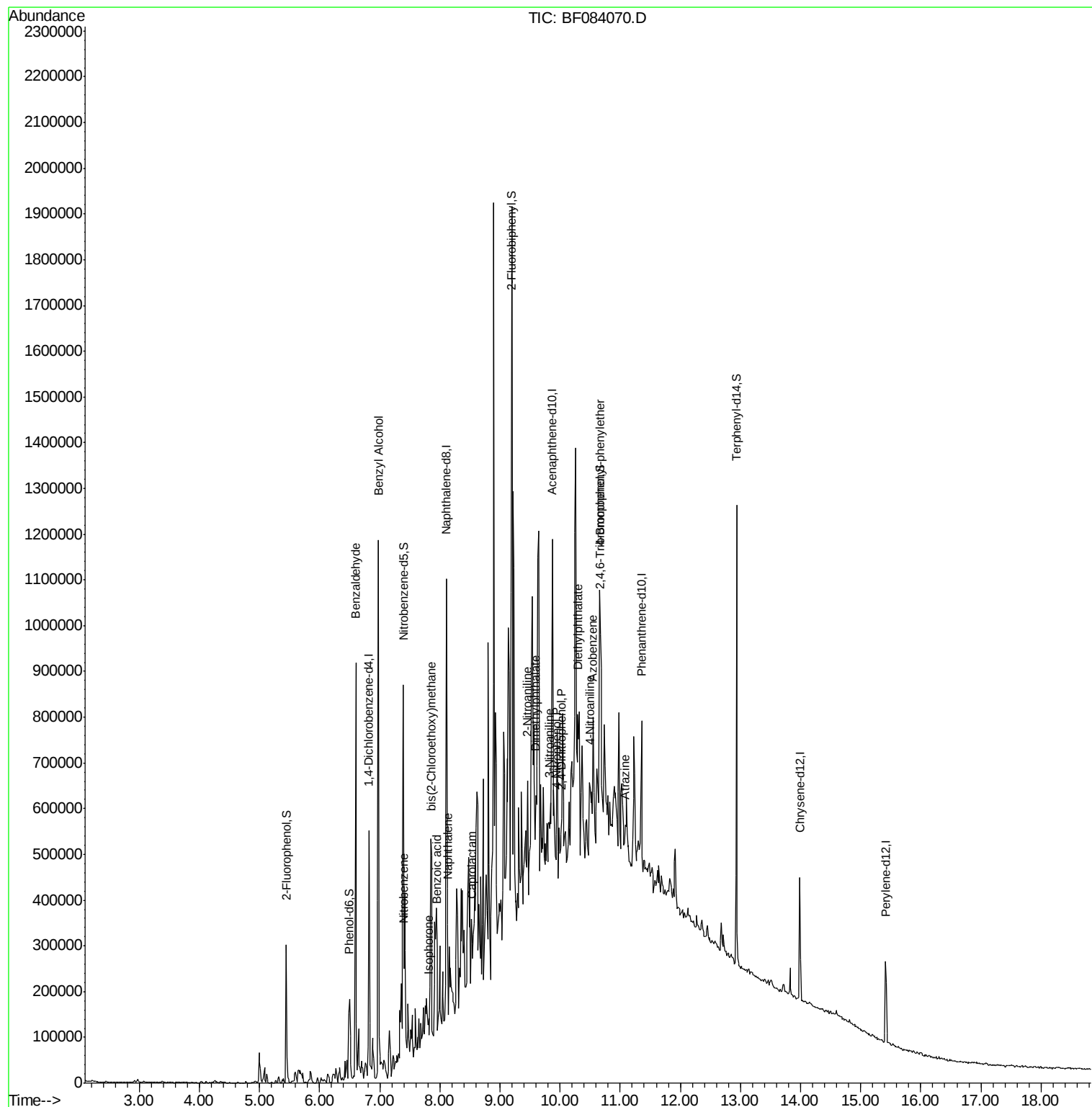
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	7102	2.93	ng	88
15) Benzyl Alcohol	6.98	79	8814	3.08	ng	# 78
24) Nitrobenzene	7.40	77	9848	3.11	ng	# 18
25) Isophorone	7.81	82	11955	2.05	ng	# 61
28) bis(2-Chloroethoxy)methane	7.86	93	8806	2.44	ng	# 1
31) Naphthalene	8.13	128	45302	4.69	ng	# 85
32) Benzoic acid	7.95	122	8286	10.66	ng	# 62
35) Caprolactam	8.53	113	3285	4.12	ng	# 1
47) 2-Nitroaniline	9.46	65	7636	5.12	ng	# 41
49) Dimethylphthalate	9.60	163	30862	4.59	ng	# 7
52) 3-Nitroaniline	9.81	138	3955	2.62	ng	# 22
53) 2,4-Dinitrophenol	10.02	184	1346	10.00	ng	# 1
55) 4-Nitrophenol	9.94	139	4715	5.32	ng	# 1
59) Diethylphthalate	10.29	149	20986	3.18	ng	# 49
61) 4-Nitroaniline	10.50	138	3335	2.16	ng	# 21
62) Azobenzene	10.54	77	13932	2.39	ng	# 33
66) 4-Bromophenyl-phenylether	10.66	248	5993	4.14	ng	# 1
68) Atrazine	11.07	200	4405	3.12	ng	# 1

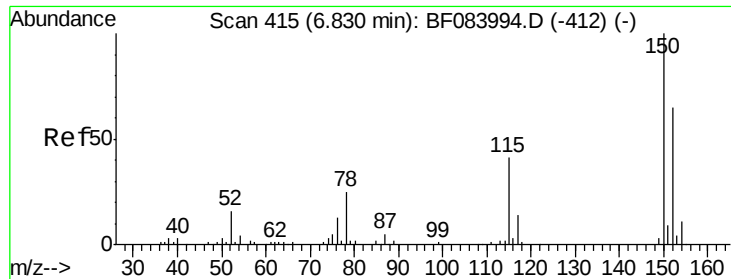
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084070.D

Acq: 24 Dec 2015 8:32

Instrument :

BNA_F

ClientSampleId :

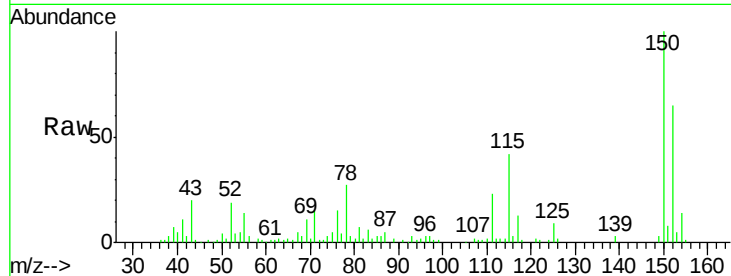
Tot Ion:152 Resp: 52710

Ion Ratio Lower Upper

152 100

150 153.1 123.0 184.4

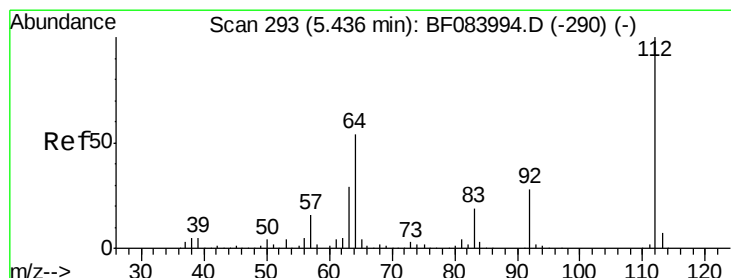
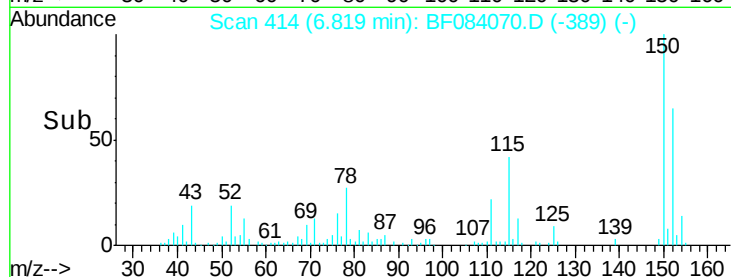
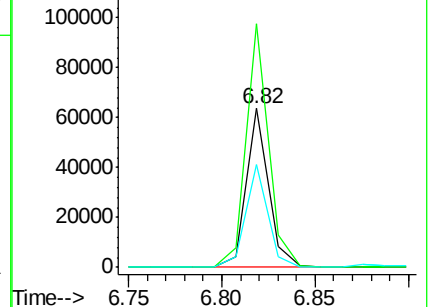
115 64.8 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 44.25 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

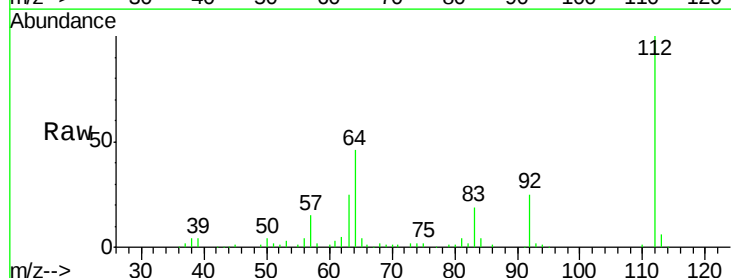
Tgt Ion:112 Resp: 136798

Ion Ratio Lower Upper

112 100

64 46.0 36.6 55.0

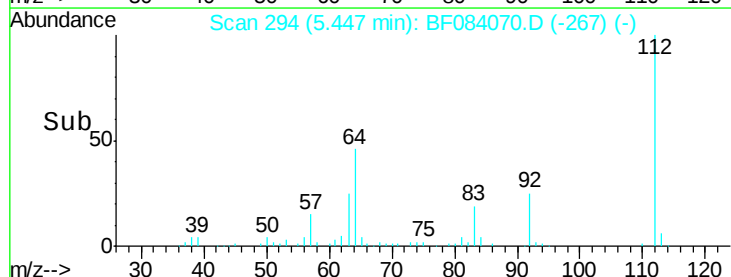
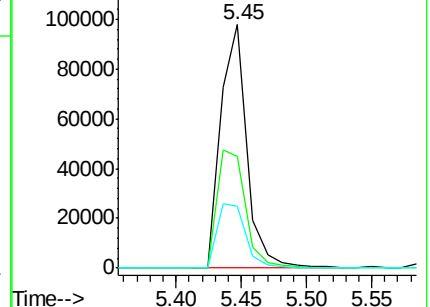
63 25.3 19.4 29.0

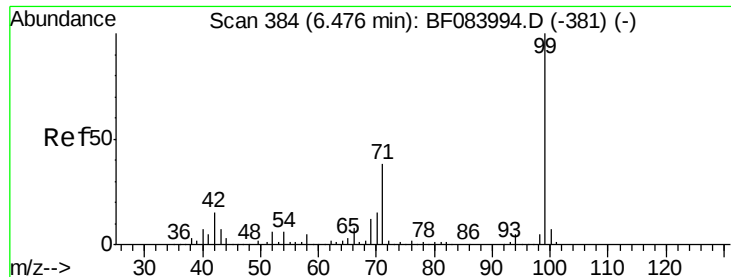


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.81 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.02 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Instrument :

BNA_F

ClientSampleId :

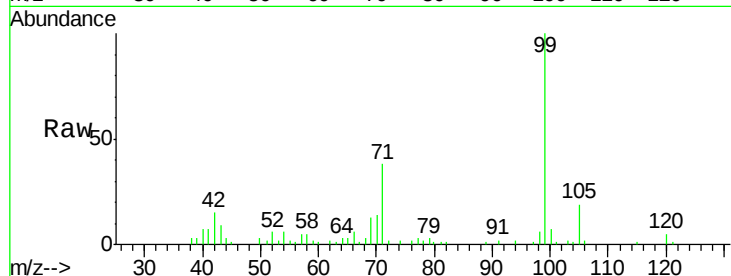
Tot Ion: 99 Resp: 104727

Ion Ratio Lower Upper

99 100

42 14.5 12.8 19.2

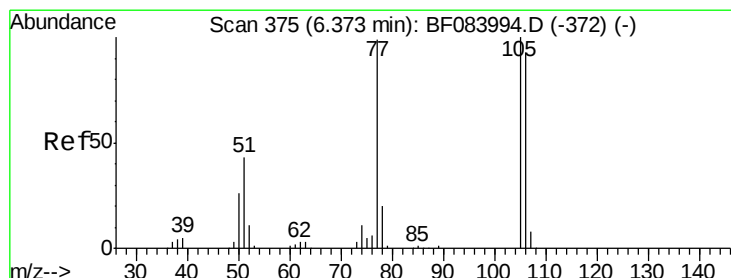
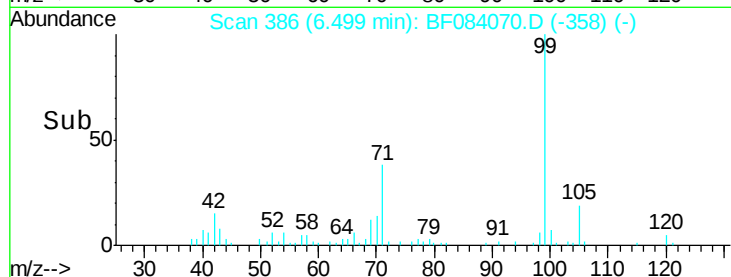
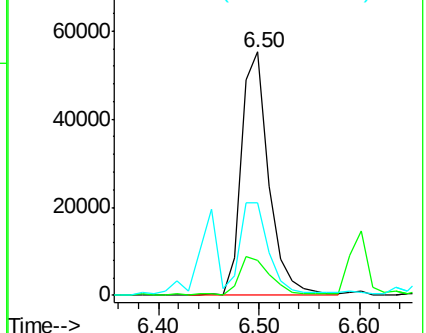
71 37.8 30.9 46.3



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



#9

Benzaldehyde

Concen: 2.93 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.23 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

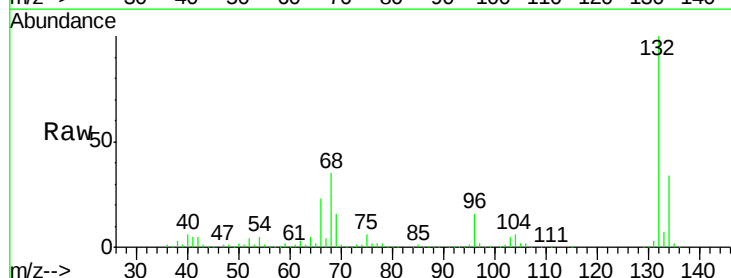
Tgt Ion: 77 Resp: 7102

Ion Ratio Lower Upper

77 100

105 84.9 83.0 123.0

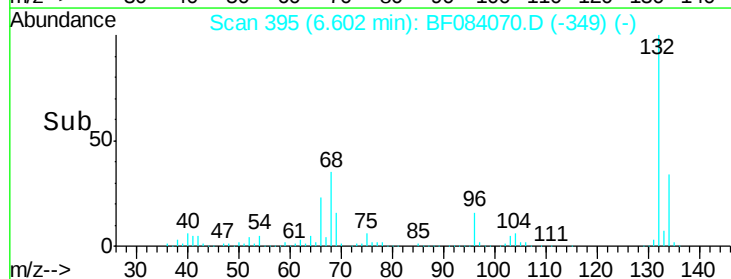
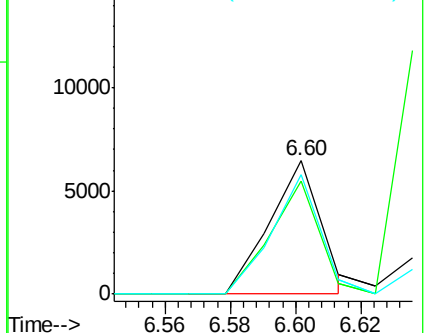
106 89.7 74.6 114.6

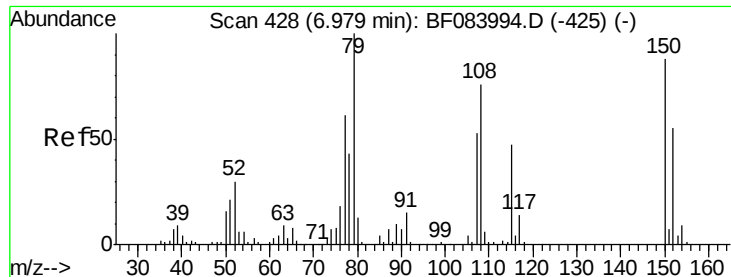


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

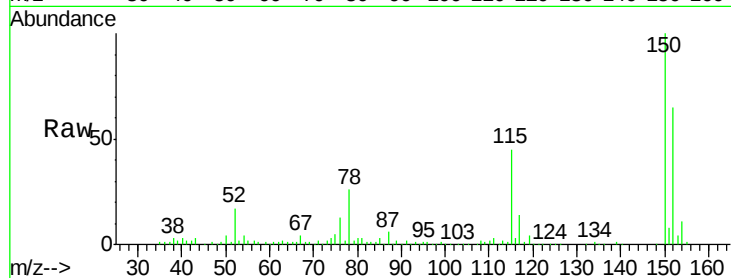




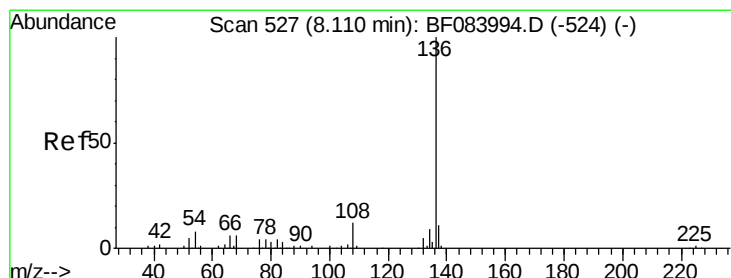
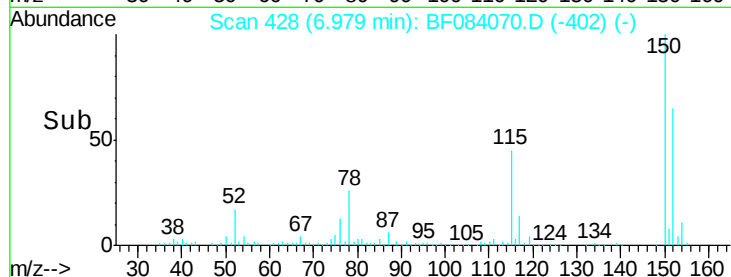
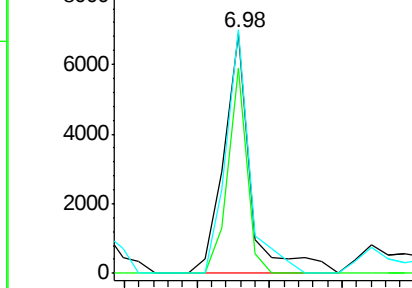
#15
Benzyl Alcohol
Concen: 3.08 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 8814
Ion Ratio Lower Upper
79 100
108 85.2 69.0 103.4
77 101.3 50.0 75.0#

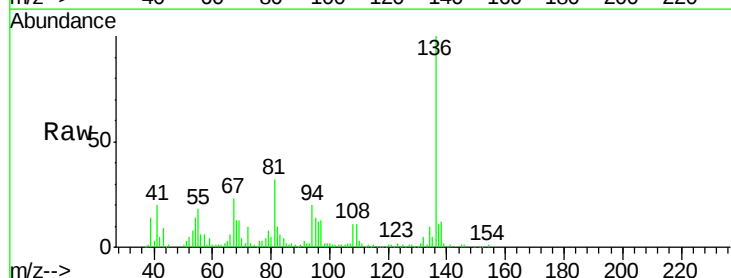


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

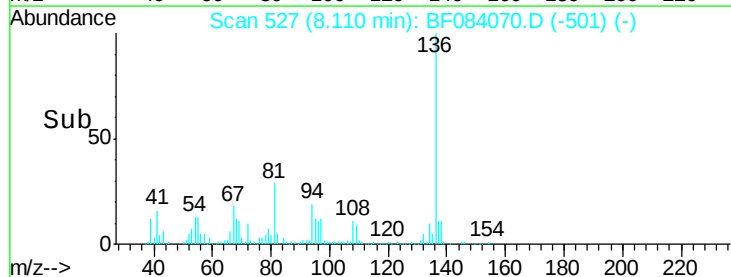
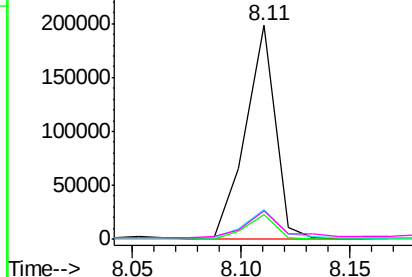


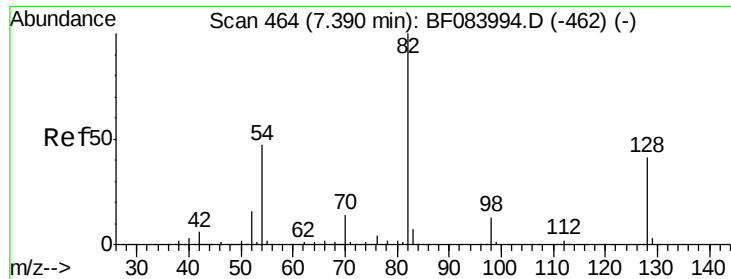
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Tgt Ion: 136 Resp: 188891
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 13.7 5.8 8.8#
68 12.9 4.2 6.2#



Abundance Ion 136.00 (135.70 to 136.70): BF0
Ion 137.00 (136.70 to 137.70): BF0
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

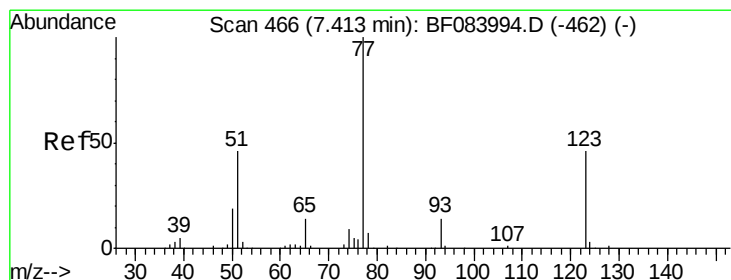
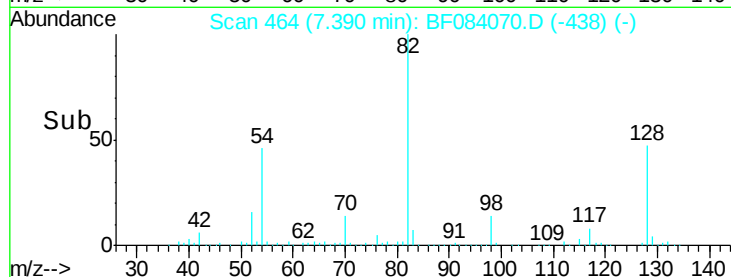
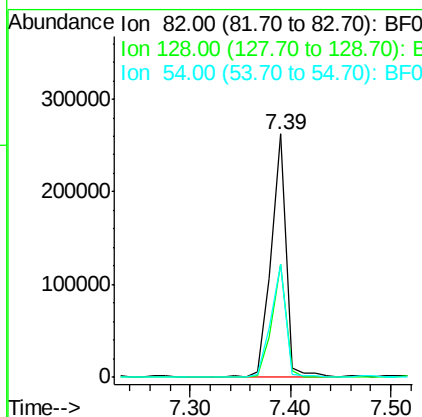
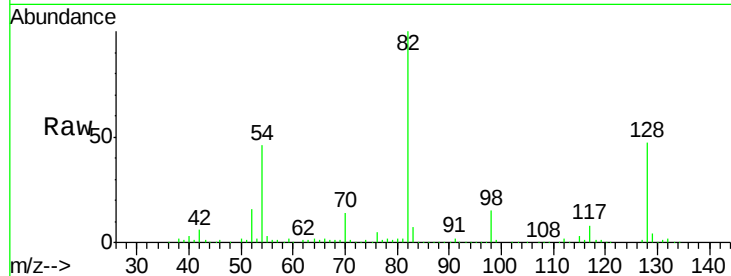




#23
 Nitrobenzene-d5
 Concen: 88.26 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF084070.D
 Acq: 24 Dec 2015 8:32

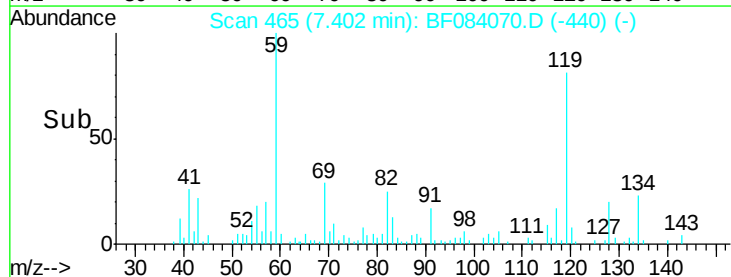
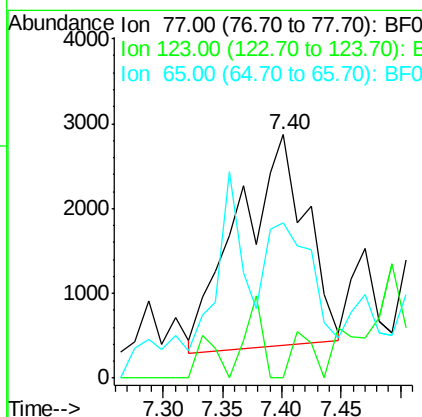
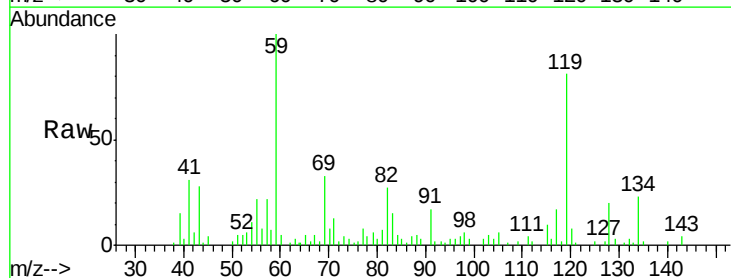
Instrument :
 BNA_F
 ClientSampleId :

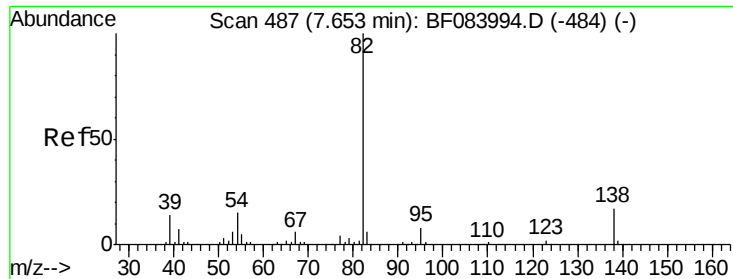
Tot Ion	82	Resp	271373
Ion Ratio	100	Lower	Upper
128	46.6	34.6	51.8
54	46.3	38.4	57.6



#24
 Nitrobenzene
 Concen: 3.11 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF084070.D
 Acq: 24 Dec 2015 8:32

Tgt Ion	77	Resp	9848
Ion Ratio	100	Lower	Upper
123	0.0	37.4	56.2#
65	63.8	10.9	16.3#





#25

Isophorone

Concen: 2.05 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.16 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Instrument :

BNA_F

ClientSampleId :

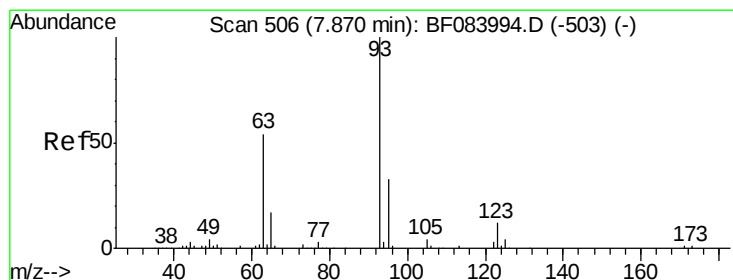
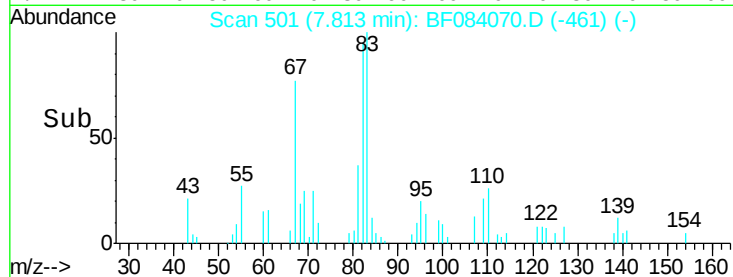
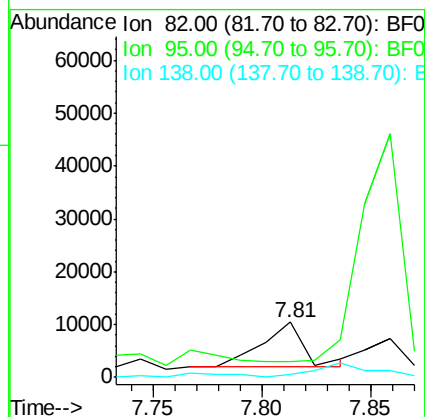
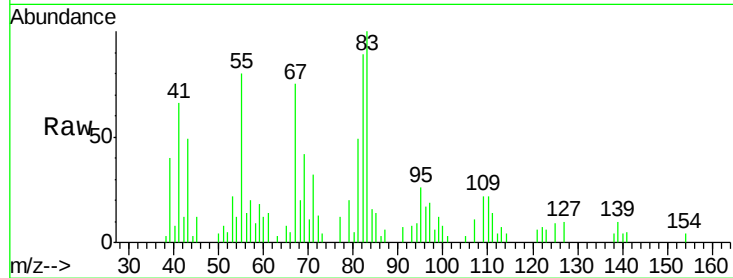
Tot Ion: 82 Resp: 11955

Ion Ratio Lower Upper

82 100

95 29.4 6.6 10.0#

138 4.6 13.6 20.4#



#28

bis(2-Chloroethoxy)methane

Concen: 2.44 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.01 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

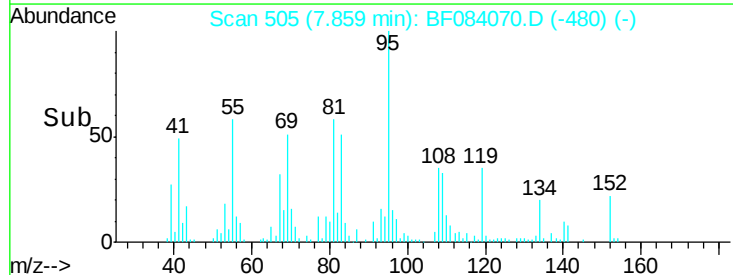
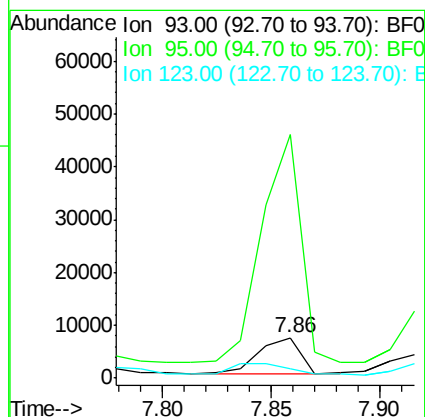
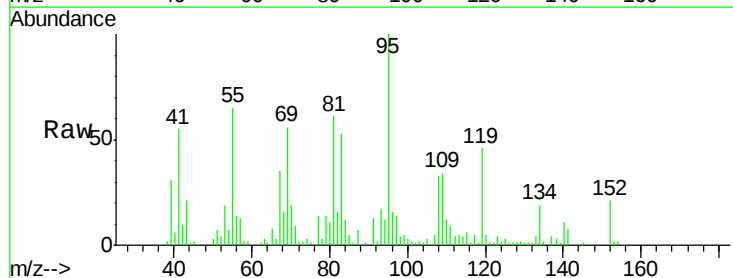
Tgt Ion: 93 Resp: 8806

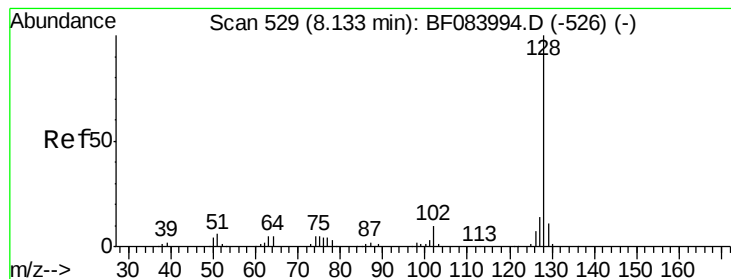
Ion Ratio Lower Upper

93 100

95 605.8 25.8 38.6#

123 22.0 8.6 12.8#





#31

Naphthalene

Concen: 4.69 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Instrument :

BNA_F

ClientSampleId :

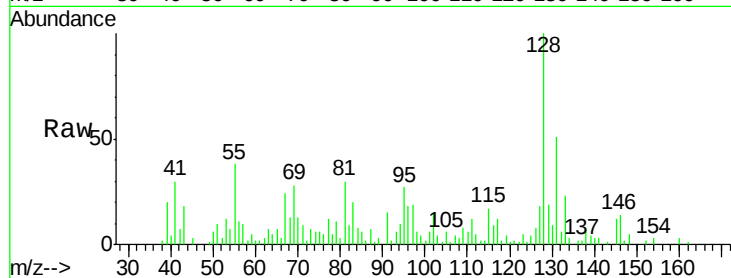
Tot Ion:128 Resp: 45302

Ion Ratio Lower Upper

128 100

129 18.9 9.1 13.7#

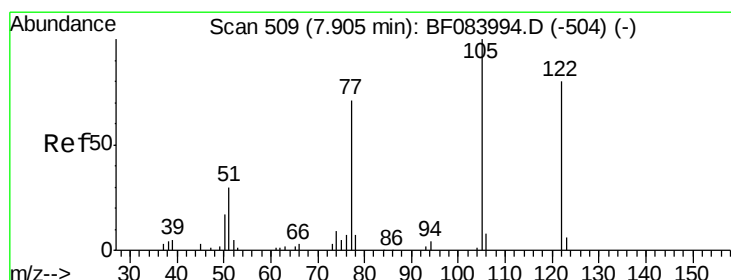
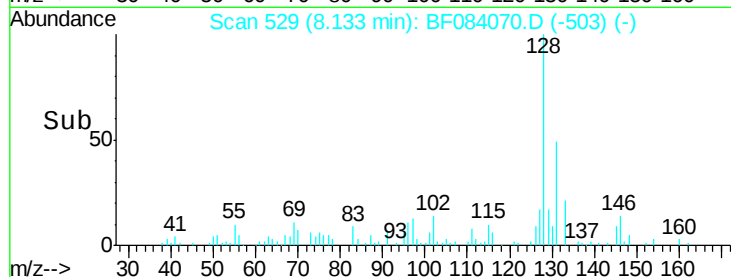
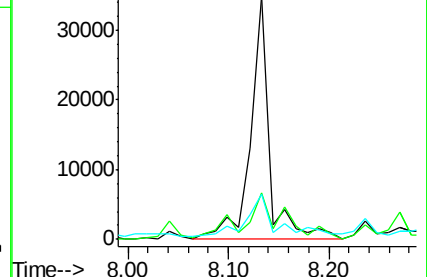
127 18.5 11.1 16.7#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.66 ng

RT: 7.95 min Scan# 513

Delta R.T. 0.05 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

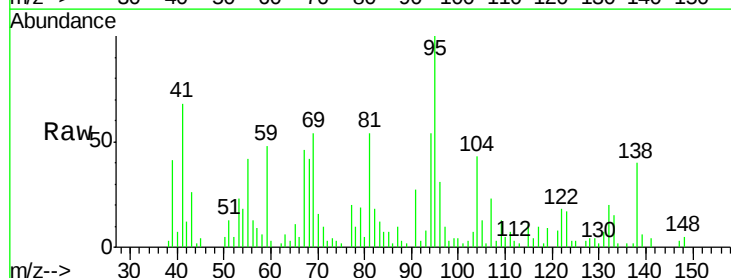
Tgt Ion:122 Resp: 8286

Ion Ratio Lower Upper

122 100

105 69.5 100.3 140.3#

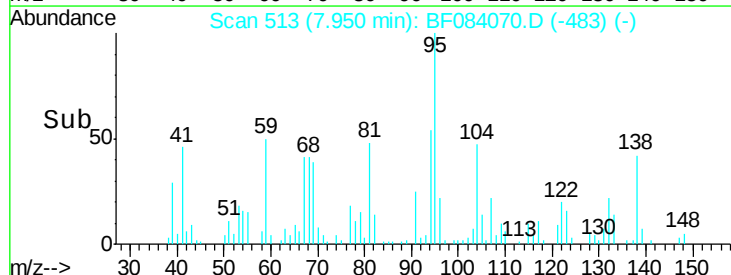
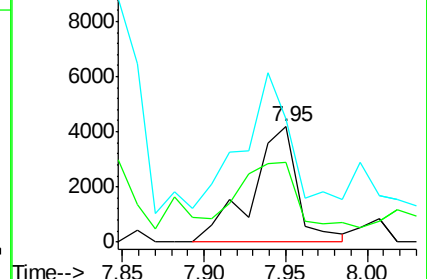
77 107.2 63.5 103.5#

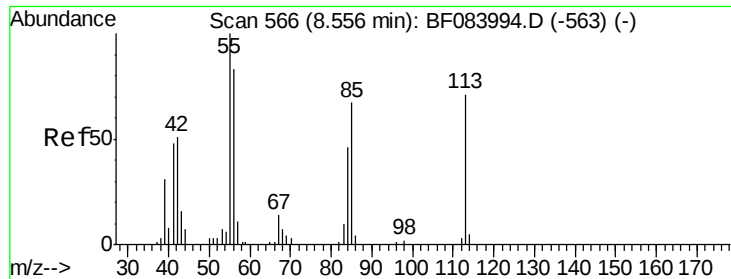


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

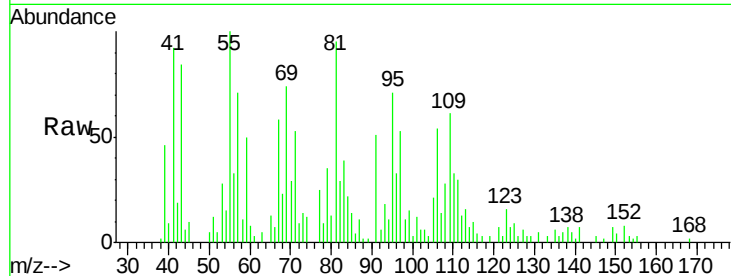




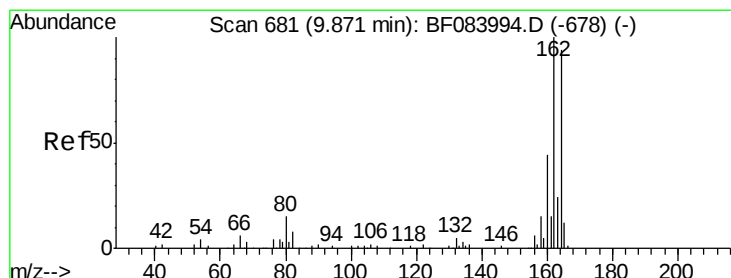
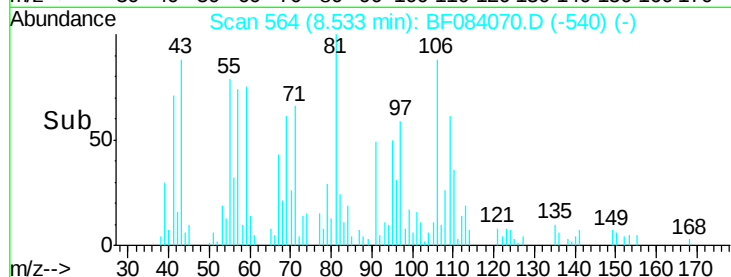
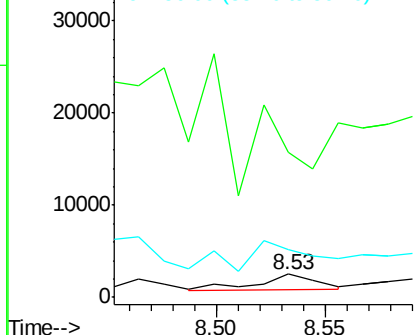
#35
Caprolactam
Concen: 4.12 ng
RT: 8.53 min Scan# 564
Delta R.T. -0.02 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 3285
Ion Ratio Lower Upper
113 100
55 624.9 116.9 156.9#
56 206.1 93.8 133.8#

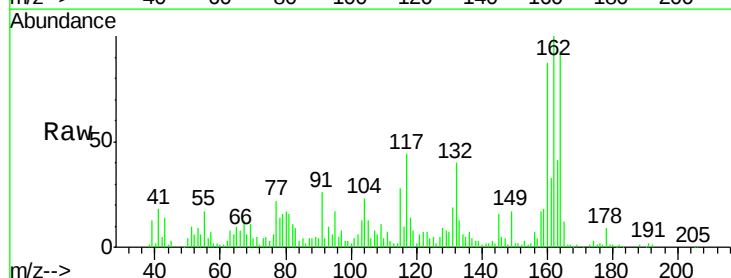


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

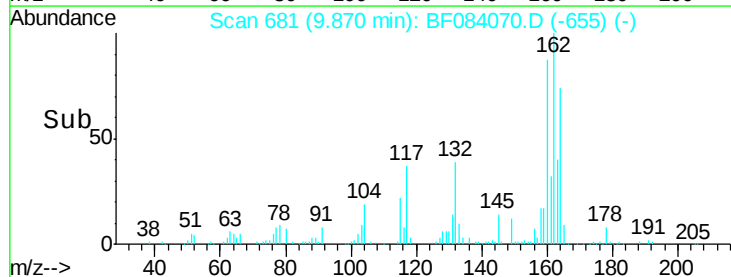
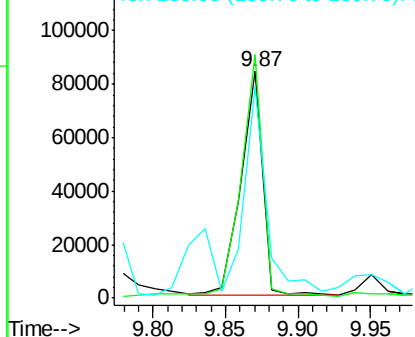


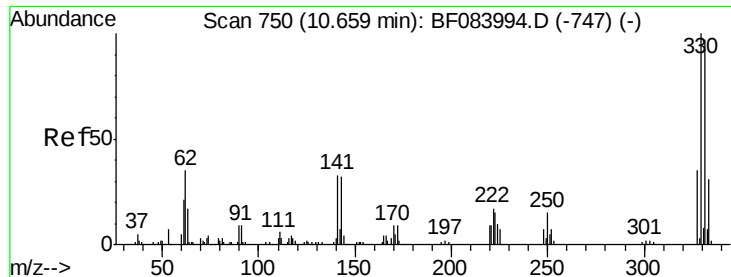
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Tgt Ion:164 Resp: 85944
Ion Ratio Lower Upper
164 100
162 107.4 85.1 127.7
160 93.4 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

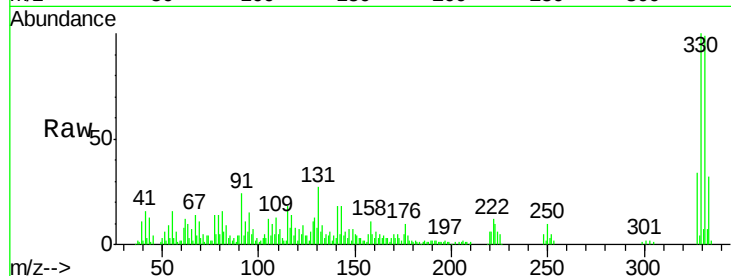




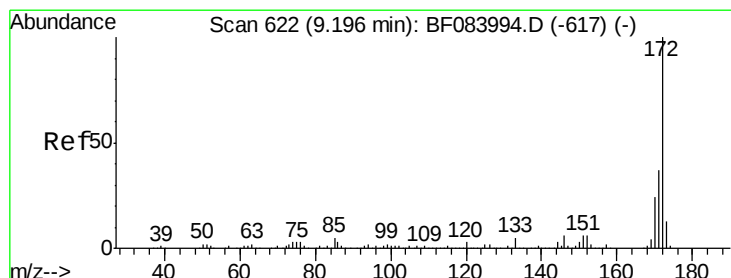
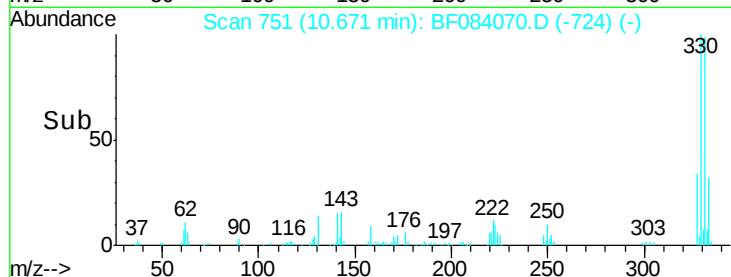
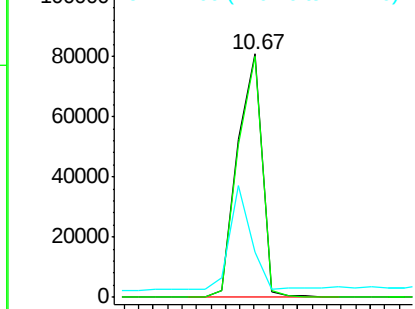
#41
 2,4,6-Tribromophenol
 Concen: 114.81 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: BF084070.D
 Acq: 24 Dec 2015 8:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 94906
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 114.8
 141 40.0 27.8 41.6

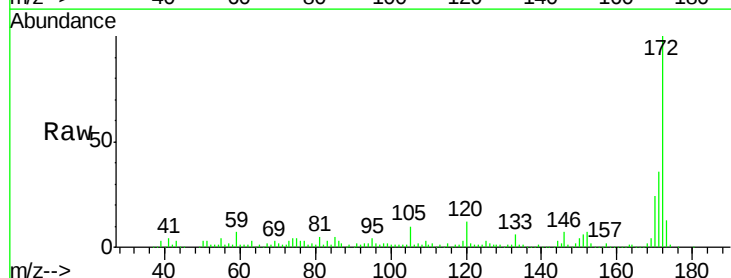


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

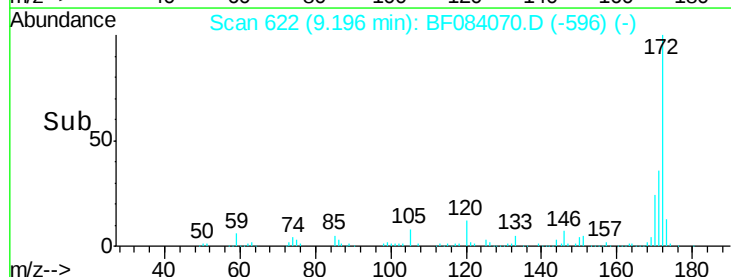
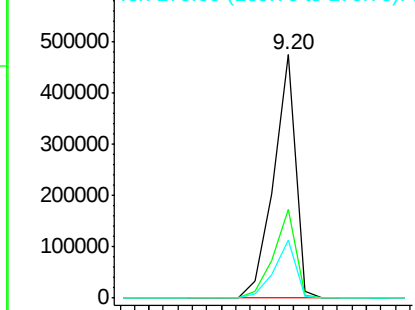


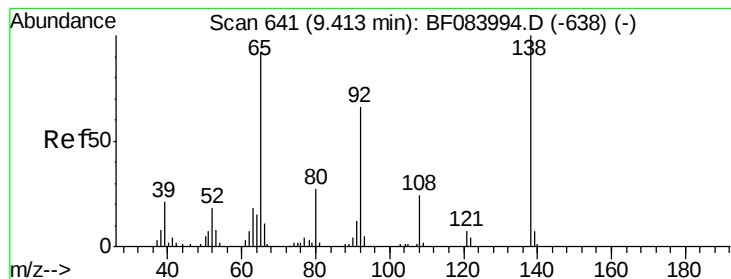
#44
 2-Fluorobiphenyl
 Concen: 77.93 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084070.D
 Acq: 24 Dec 2015 8:32

Tgt Ion:172 Resp: 497634
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.9 43.3
 170 23.6 18.6 27.8



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: 5.12 ng

RT: 9.46 min Scan# 645

Delta R.T. 0.05 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Instrument :
BNA_F
ClientSampled :

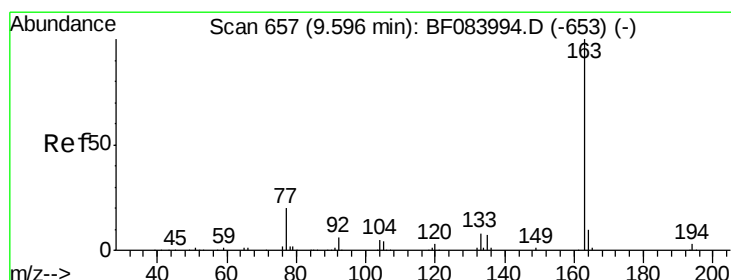
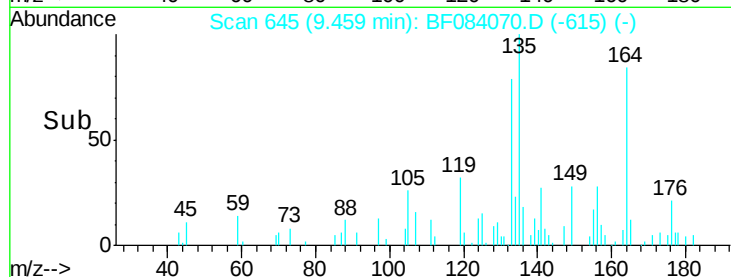
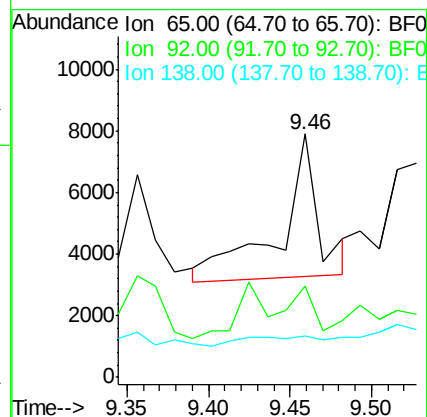
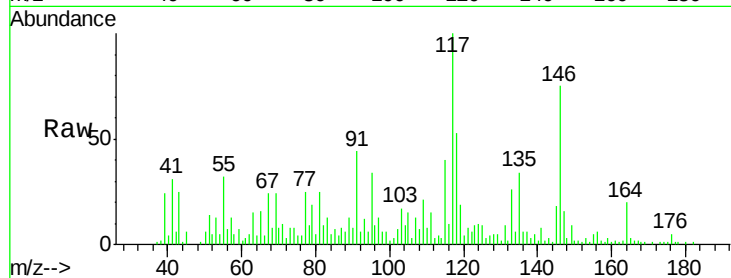
Tot Ion: 65 Resp: 7636

Ion Ratio Lower Upper

65 100

92 37.8 53.4 80.2#

138 17.0 71.1 106.7#



#49

Dimethylphthalate

Concen: 4.59 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.00 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

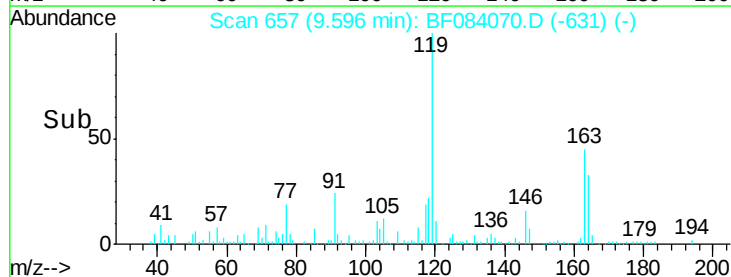
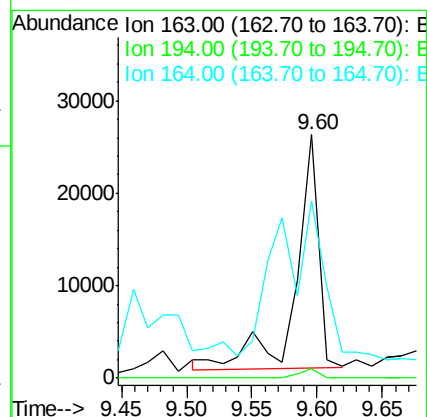
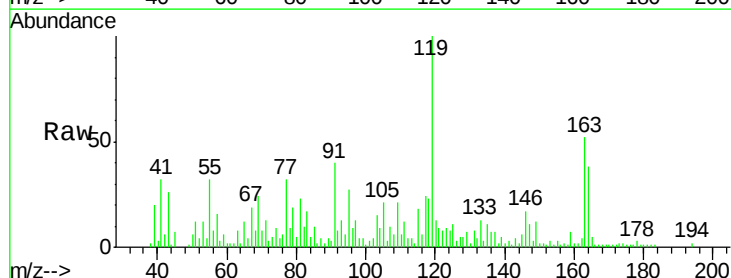
Tgt Ion: 163 Resp: 30862

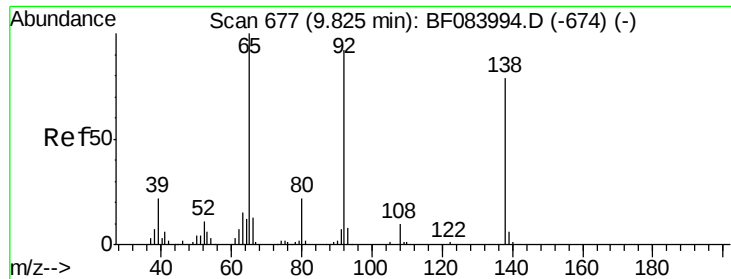
Ion Ratio Lower Upper

163 100

194 3.9 8.0 12.0#

164 72.7 8.0 12.0#

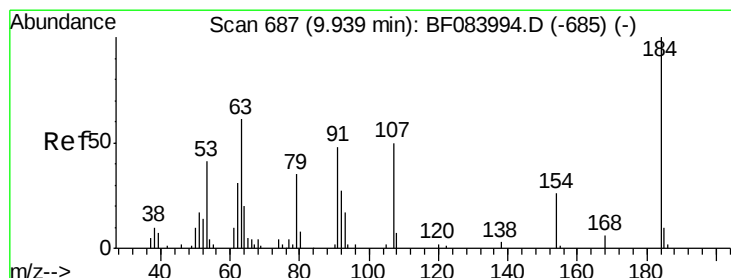
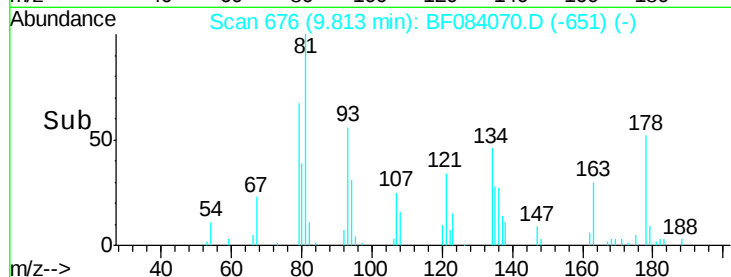
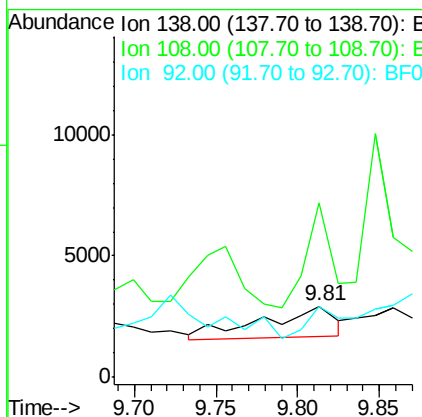
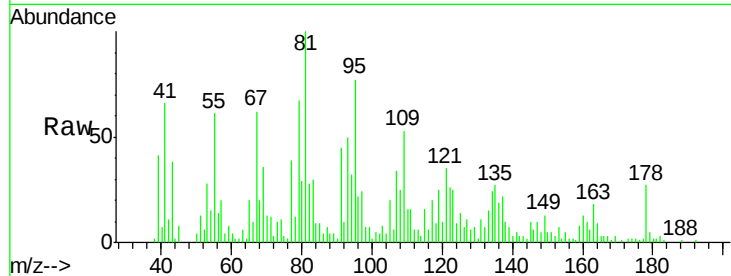




#52
3-Nitroaniline
Concen: 2.62 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

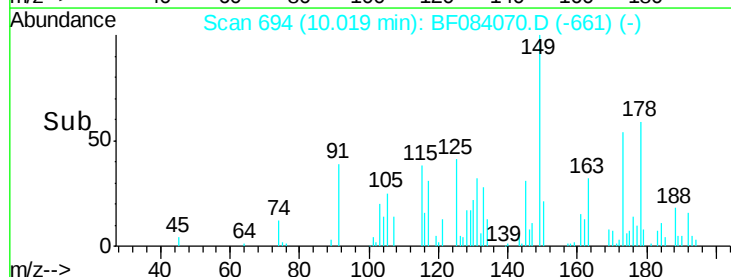
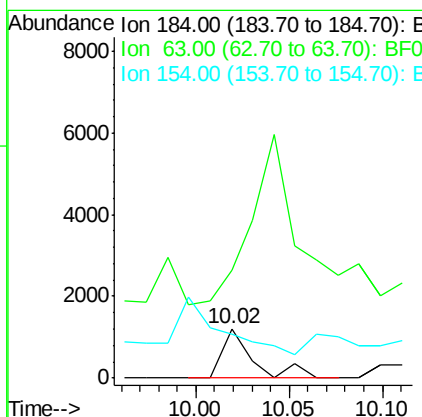
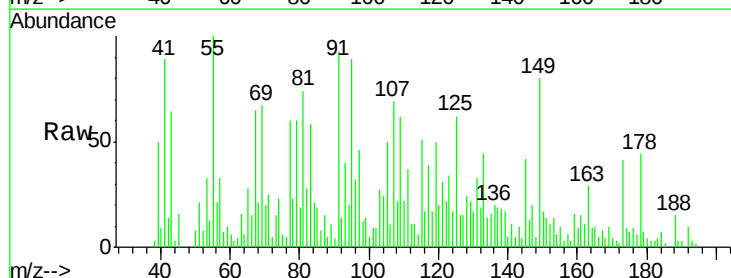
Instrument :
BNA_F
ClientSampleId :

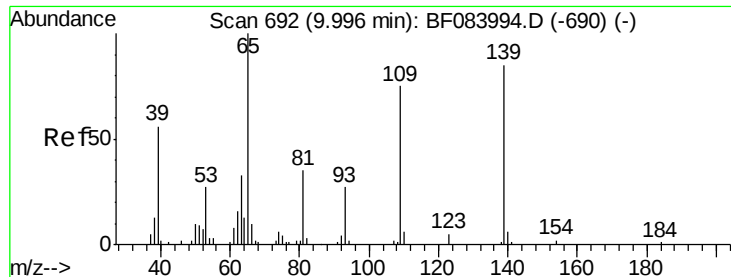
Tot Ion:138 Resp: 3955
Ion Ratio Lower Upper
138 100
108 244.7 10.5 15.7#
92 98.6 103.9 155.9#



#53
2,4-Dinitrophenol
Concen: 10.00 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.08 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Tgt Ion:184 Resp: 1346
Ion Ratio Lower Upper
184 100
63 218.9 43.1 64.7#
154 90.0 60.5 90.7

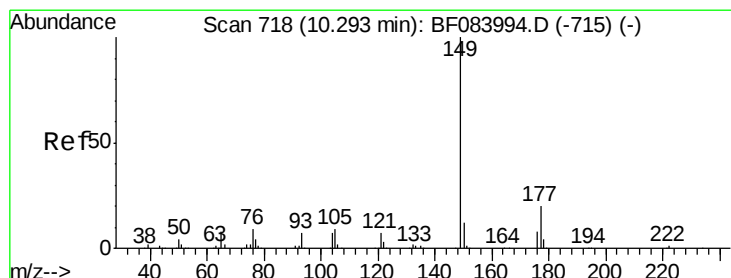
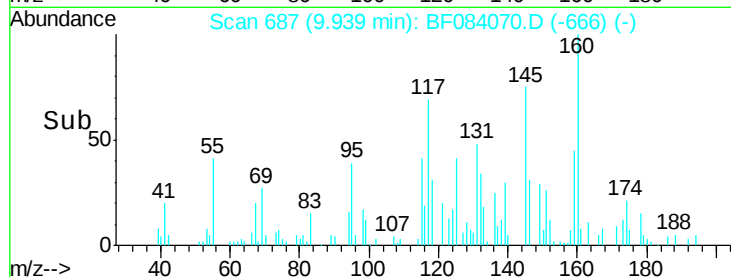
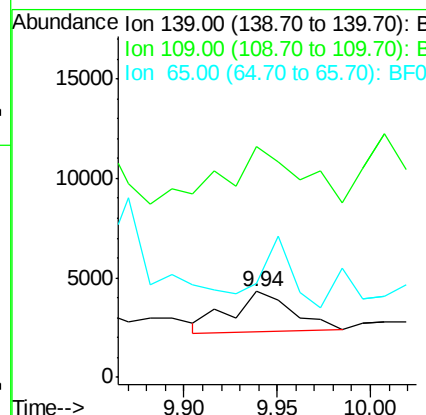
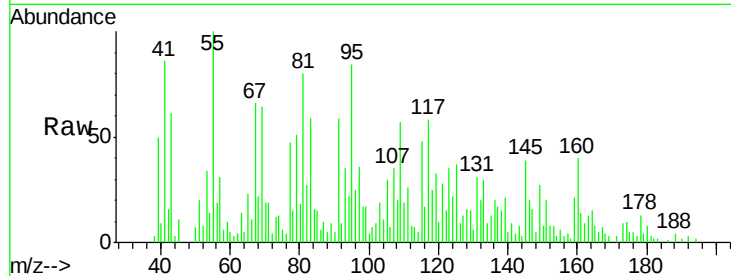




#55
4-Nitrophenol
Concen: 5.32 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.06 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

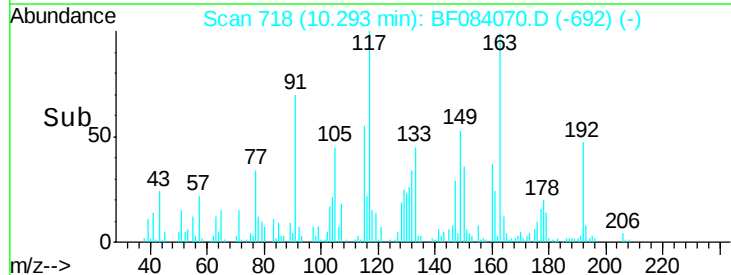
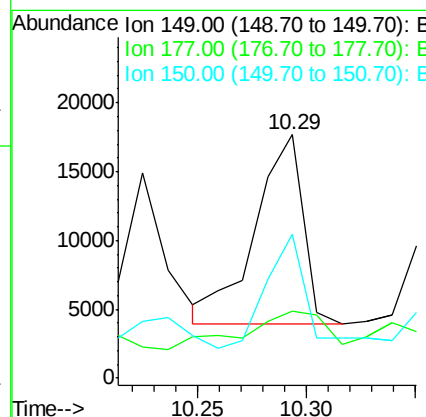
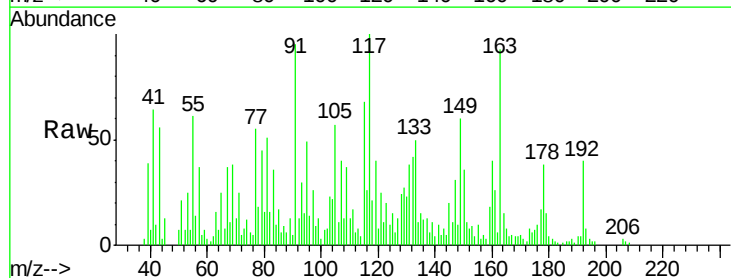
Instrument :
BNA_F
ClientSampleId :

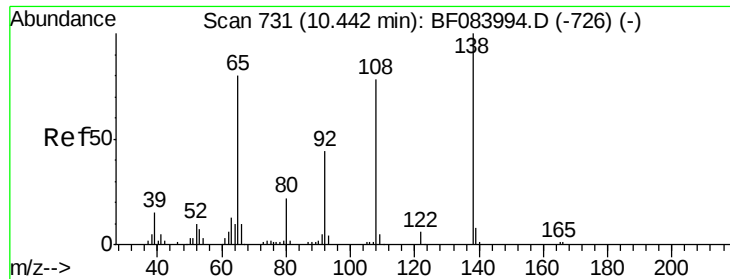
Tot Ion:139 Resp: 4715
Ion Ratio Lower Upper
139 100
109 268.7 58.5 98.5#
65 109.9 57.6 97.6#



#59
Diethylphthalate
Concen: 3.18 ng
RT: 10.29 min Scan# 718
Delta R.T. -0.00 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Tgt Ion:149 Resp: 20986
Ion Ratio Lower Upper
149 100
177 27.7 17.3 25.9#
150 58.8 9.8 14.8#

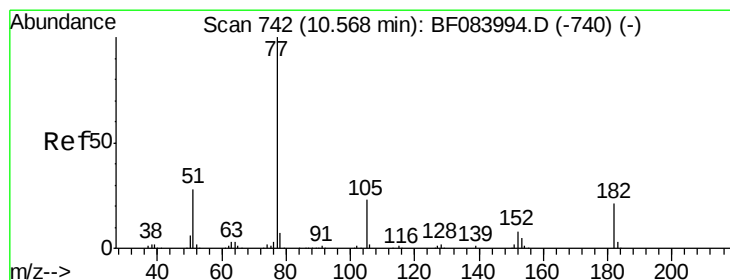
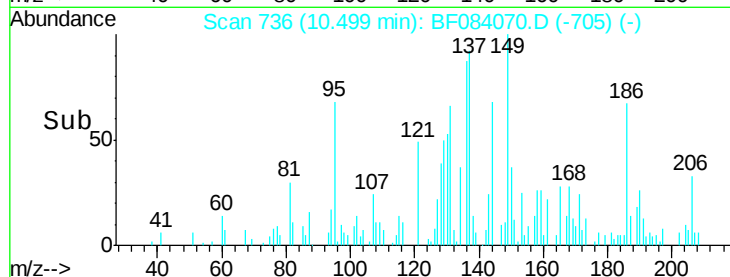
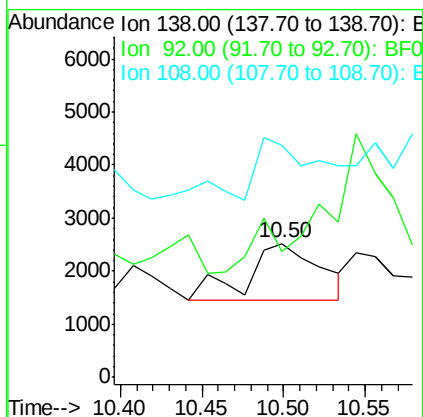
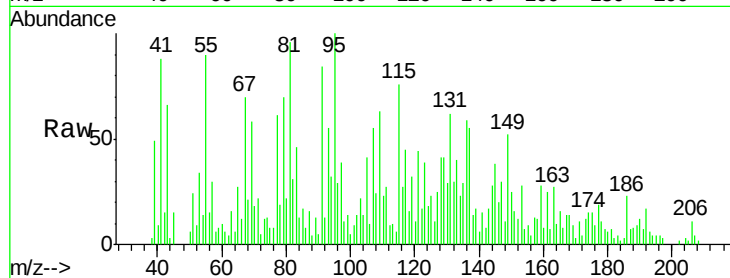




#61
4-Nitroaniline
Concen: 2.16 ng
RT: 10.50 min Scan# 736
Delta R.T. 0.06 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

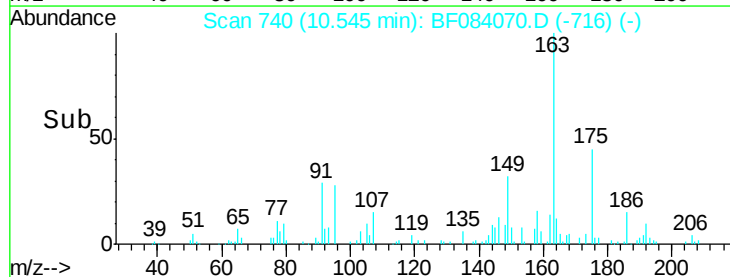
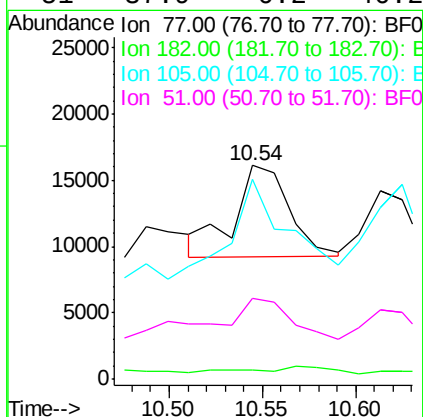
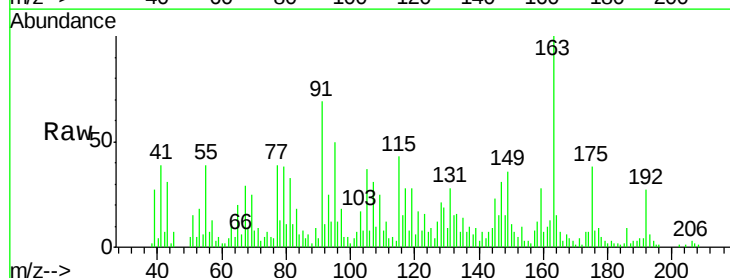
Instrument :
BNA_F
ClientSampled :

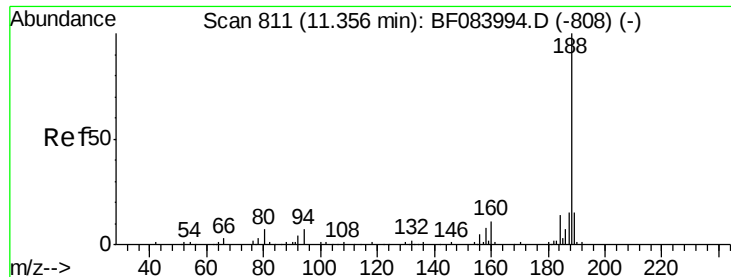
Tot Ion:138 Resp: 3335
Ion Ratio Lower Upper
138 100
92 94.4 32.6 72.6#
108 173.7 68.6 108.6#



#62
Azobenzene
Concen: 2.39 ng
RT: 10.54 min Scan# 740
Delta R.T. -0.02 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Tgt Ion: 77 Resp: 13932
Ion Ratio Lower Upper
77 100
182 4.0 8.3 48.3#
105 93.6 4.6 44.6#
51 37.9 6.2 46.2

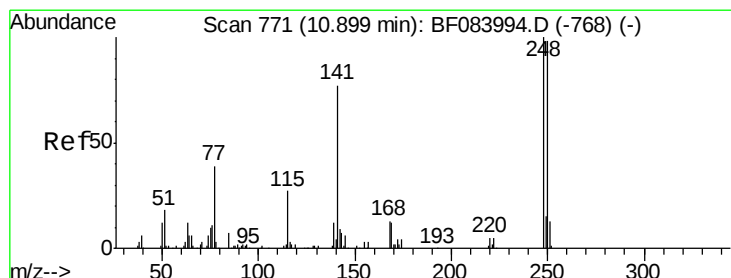
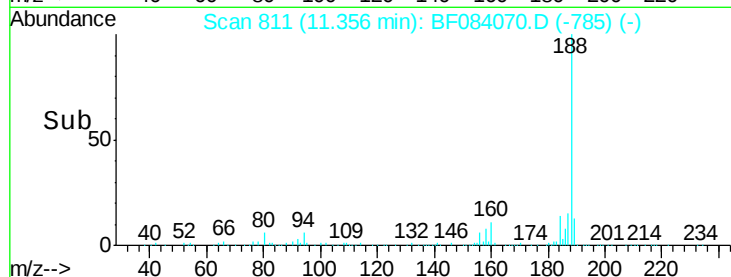
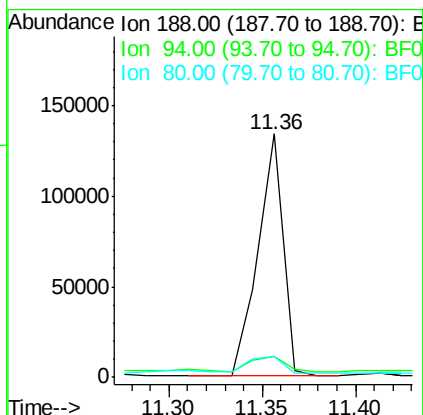
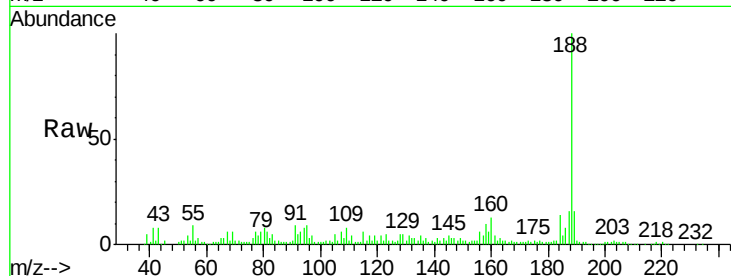




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF084070.D
 Acq: 24 Dec 2015 8:32

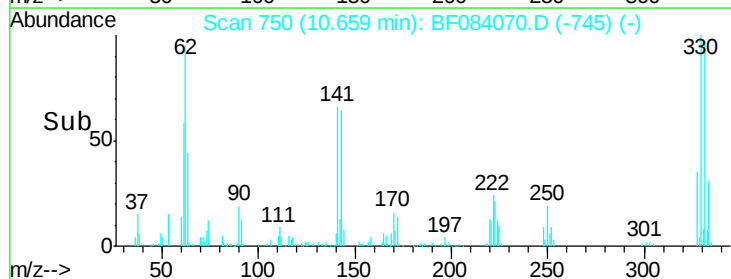
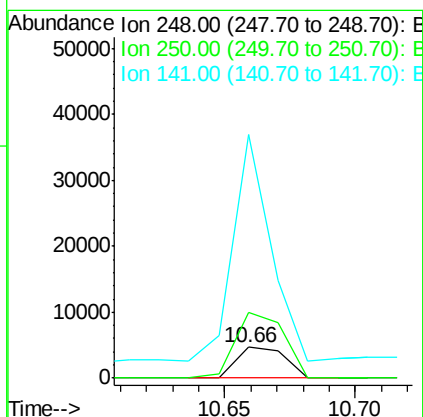
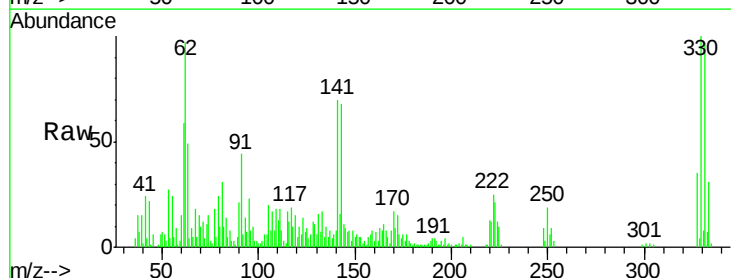
Instrument :
 BNA_F
 ClientSampleId :

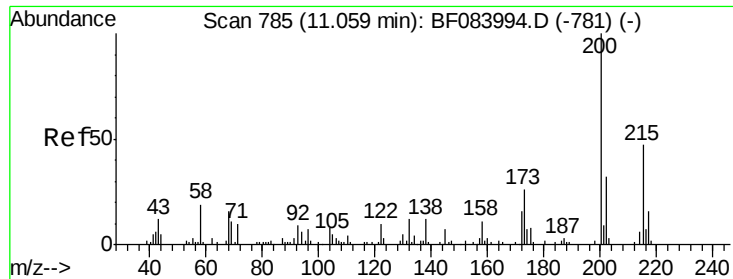
Tot Ion:188 Resp: 126263
 Ion Ratio Lower Upper
 188 100
 94 8.4 9.0 13.4#
 80 8.4 9.6 14.4#



#66
 4-Bromophenyl-phenylether
 Concen: 4.14 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.24 min
 Lab File: BF084070.D
 Acq: 24 Dec 2015 8:32

Tgt Ion:248 Resp: 5993
 Ion Ratio Lower Upper
 248 100
 250 210.7 78.4 117.6#
 141 787.9 44.0 66.0#

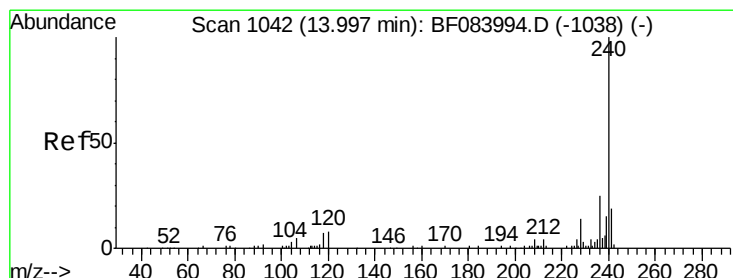
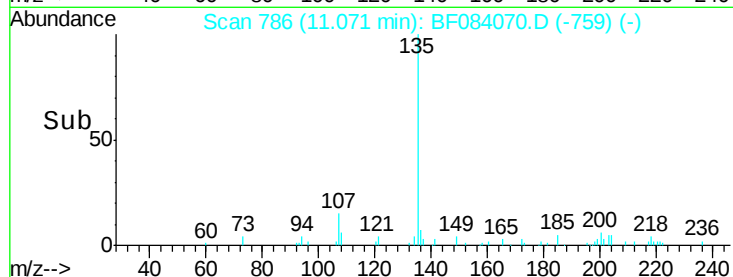
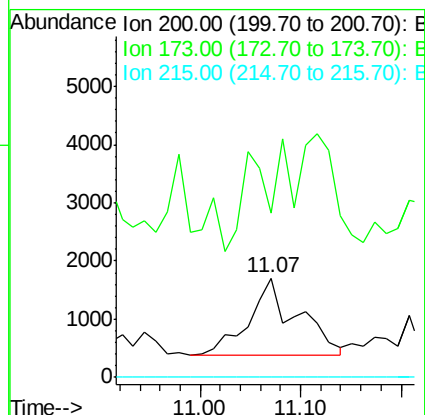
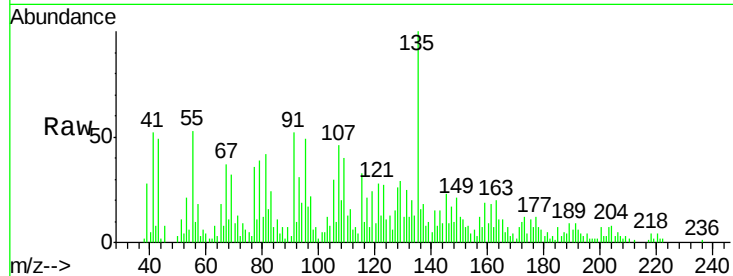




#68
Atrazine
Concen: 3.12 ng
RT: 11.07 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

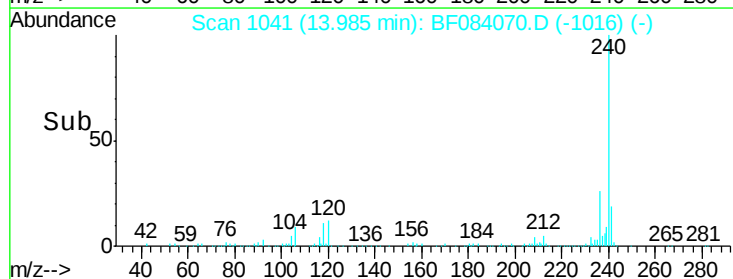
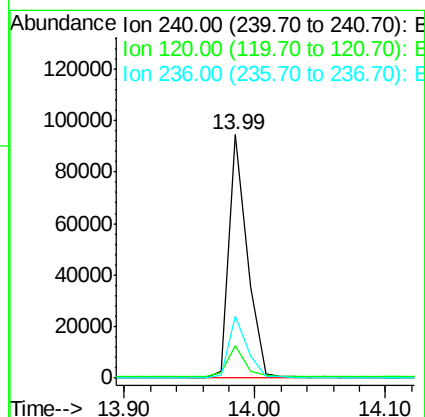
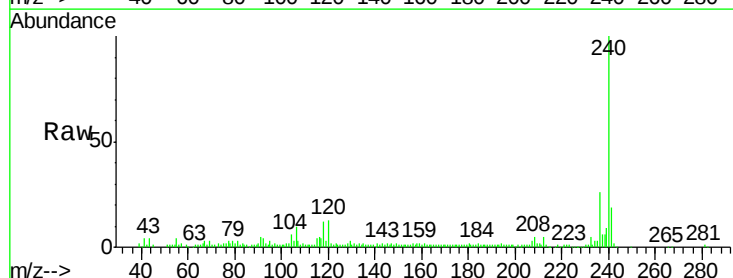
Instrument :
BNA_F
ClientSampled :

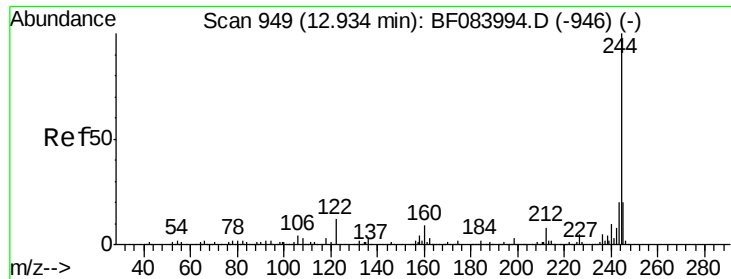
Tot Ion:200 Resp: 4405
Ion Ratio Lower Upper
200 100
173 166.5 9.5 49.5#
215 0.0 23.8 63.8#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF084070.D
Acq: 24 Dec 2015 8:32

Tgt Ion:240 Resp: 93211
Ion Ratio Lower Upper
240 100
120 13.4 9.5 14.3
236 25.6 20.6 31.0





#78

Terphenyl-d14

Concen: 72.37 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 282877

Ion Ratio Lower Upper

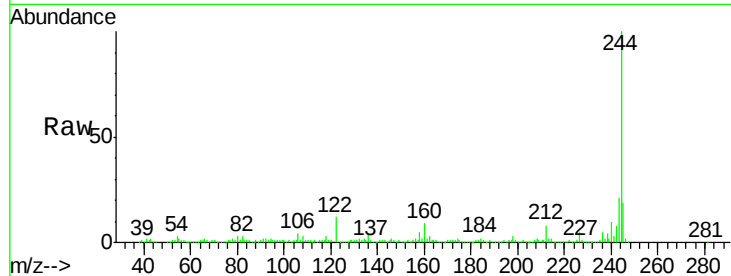
244 100

212 7.9

122 11.7

5.7 8.5

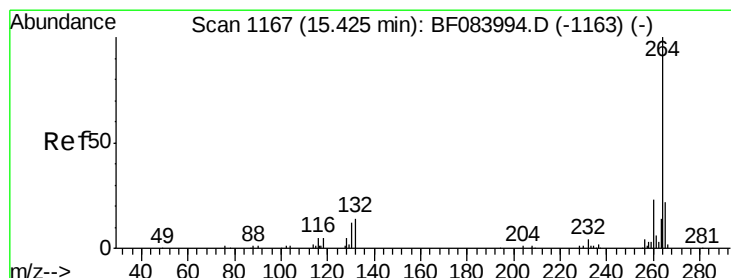
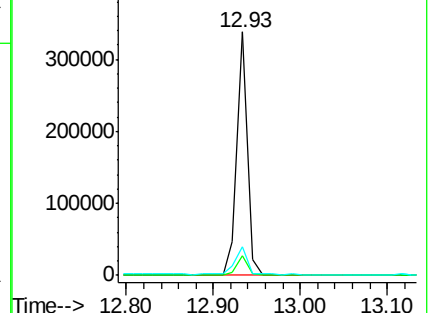
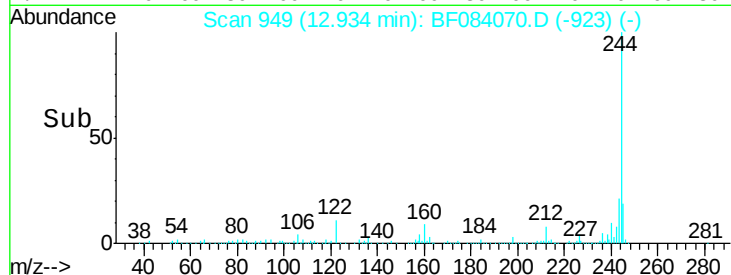
7.4 11.0#



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: 15.41 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF084070.D

Acq: 24 Dec 2015 8:32

Tgt Ion:264 Resp: 83755

Ion Ratio Lower Upper

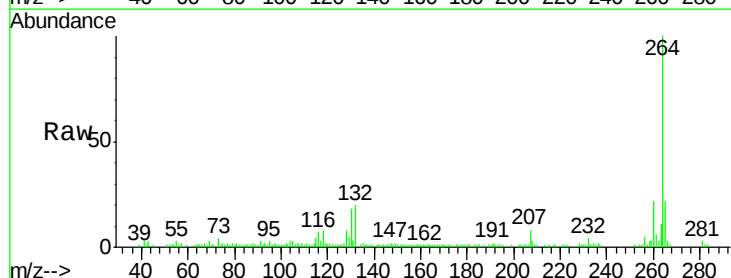
264 100

260 22.1

265 22.1

19.4 29.2

17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

