

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111315\
 Data File : BF082921.D
 Acq On : 14 Nov 2015 3:46
 Operator : UM/IZ
 Sample : G4382-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 URS 3

Quant Time: Nov 14 04:24:30 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	170437	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	562965	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	244590	20.00	ng	-0.05
63) Phenanthrene-d10	11.34	188	355238	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	329324	20.00	ng	-0.03
86) Perylene-d12	15.41	264	380090	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	630740	57.58	ng	-0.02
7) Phenol-d6	6.46	99	548688	37.68	ng	-0.01
23) Nitrobenzene-d5	7.37	82	946193	73.13	ng	-0.04
41) 2,4,6-Tribromophenol	10.65	330	262221	93.50	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	1438850	84.31	ng	-0.05
78) Terphenyl-d14	12.93	244	845906	60.92	ng	-0.03

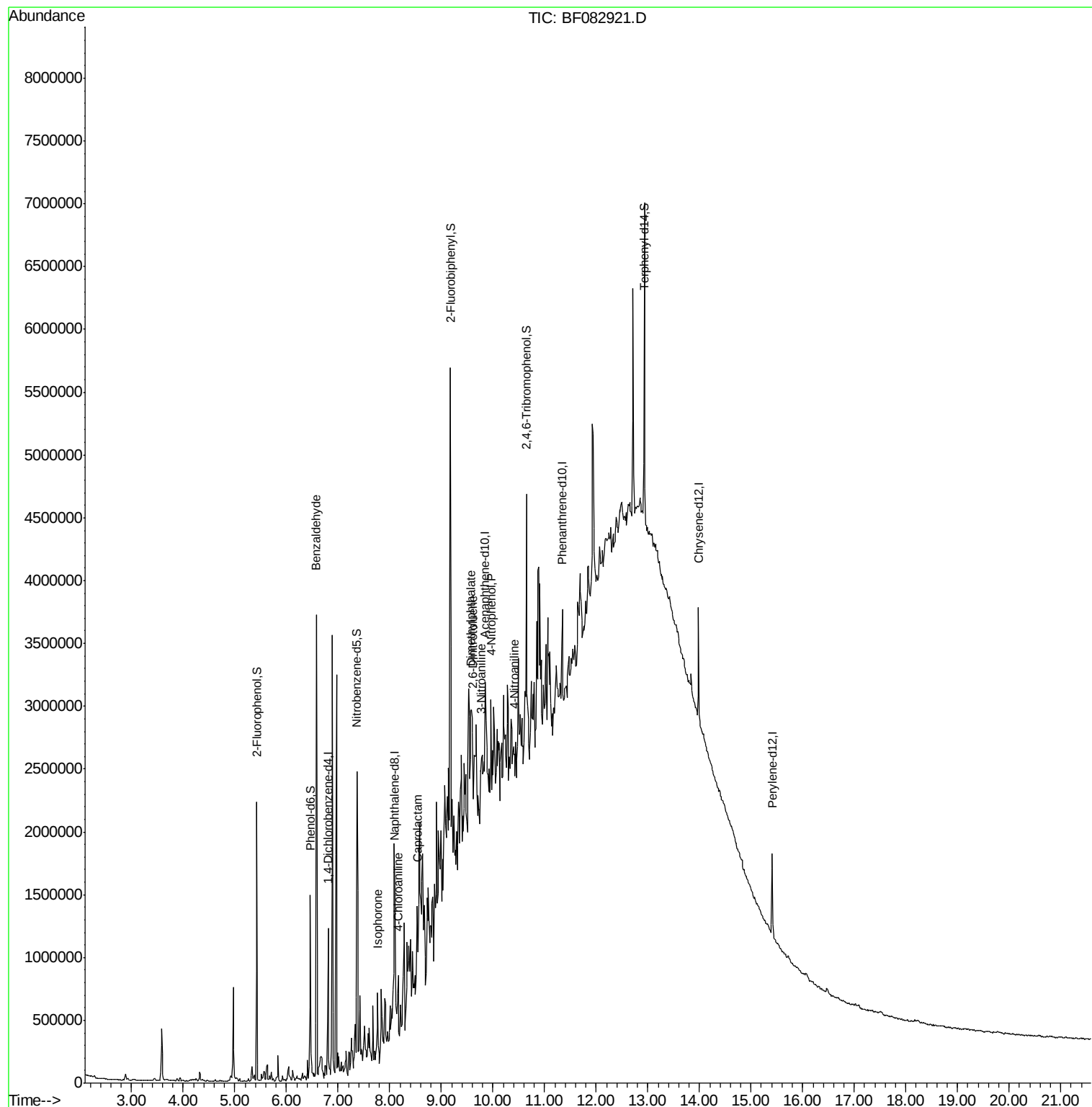
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	22939	2.85	ng	86
25) Isophorone	7.77	82	50362	2.10	ng	# 19
33) 4-Chloroaniline	8.17	127	30175	2.25	ng	# 55
35) Caprolactam	8.53	113	7596	2.69	ng	# 1
49) Dimethylphthalate	9.57	163	75803	3.78	ng	# 55
50) 2,6-Dinitrotoluene	9.61	165	13068	3.06	ng	# 71
52) 3-Nitroaniline	9.78	138	24030	5.11	ng	# 1
55) 4-Nitrophenol	9.96	139	17567	4.87	ng	# 6
61) 4-Nitroaniline	10.42	138	11224	2.37	ng	# 13

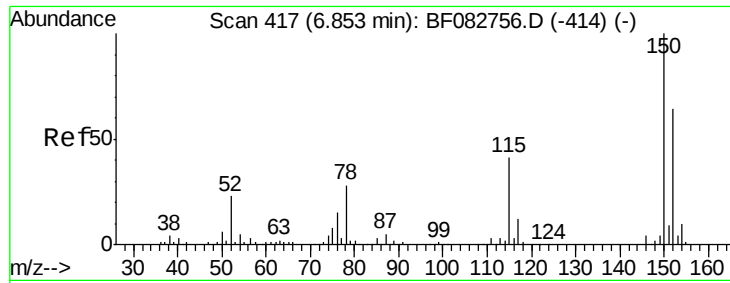
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

Instrument :

BNA_F

ClientSampleId :

URS 3

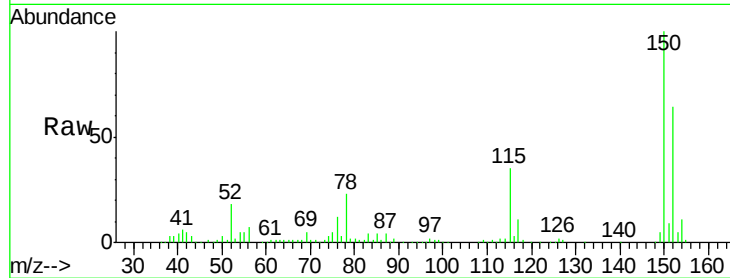
Tgt Ion:152 Resp: 170437

Ion Ratio Lower Upper

152 100

150 157.2 127.0 190.4

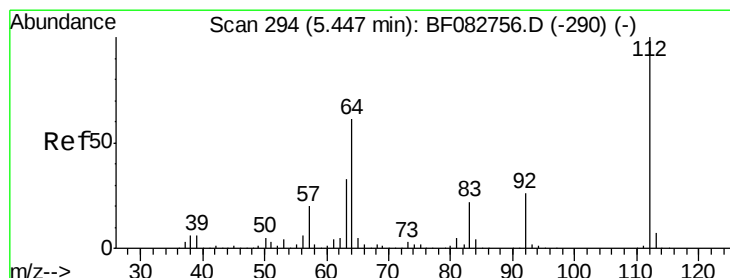
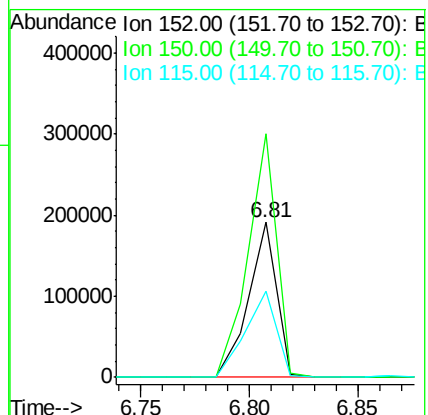
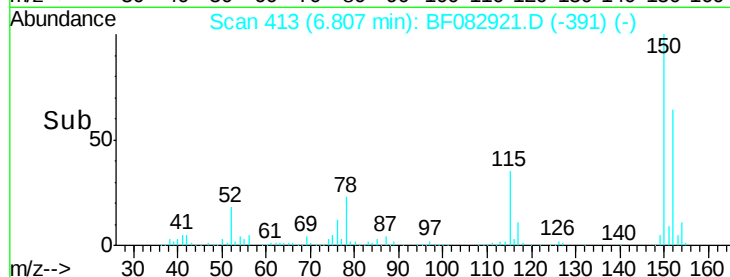
115 55.6 47.0 70.6



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: 57.58 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

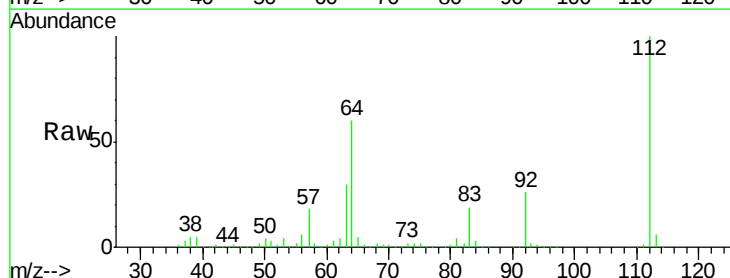
Tgt Ion:112 Resp: 630740

Ion Ratio Lower Upper

112 100

64 59.6 48.9 73.3

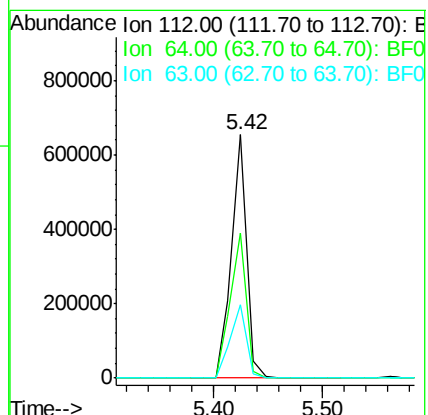
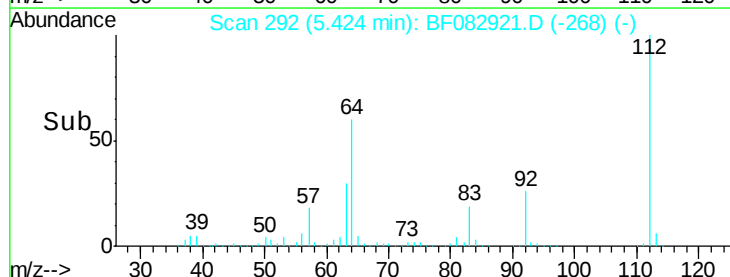
63 30.0 28.1 42.1

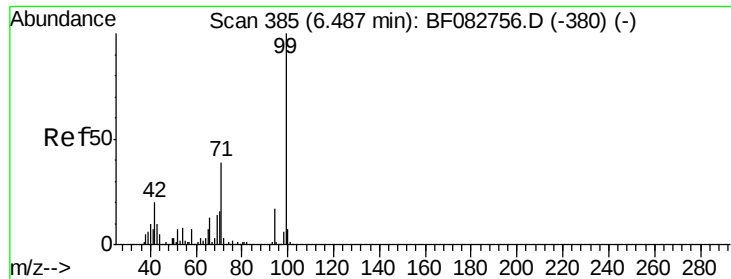


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.68 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

Instrument :

BNA_F

ClientSampleId :

URS 3

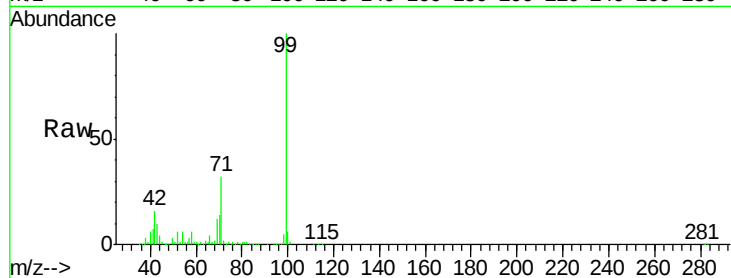
Tgt Ion: 99 Resp: 548688

Ion Ratio Lower Upper

99 100

42 16.3 19.2 28.8#

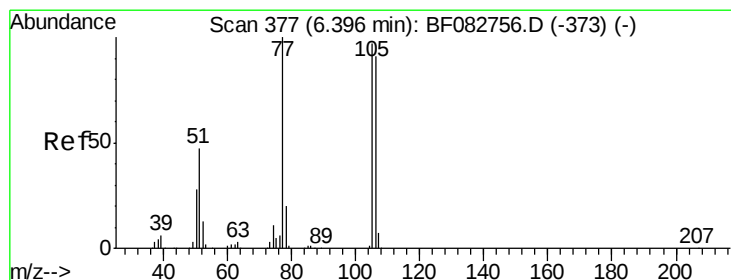
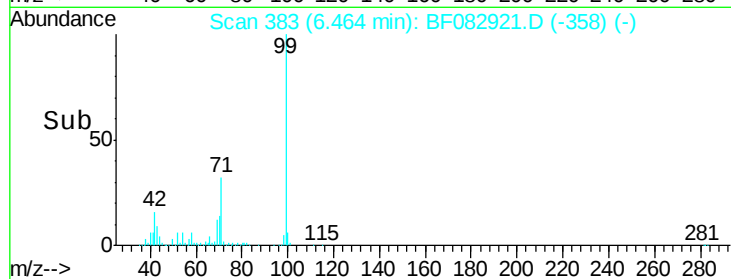
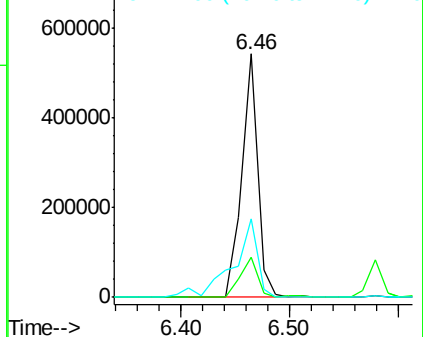
71 32.2 35.0 52.4#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.85 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.18 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

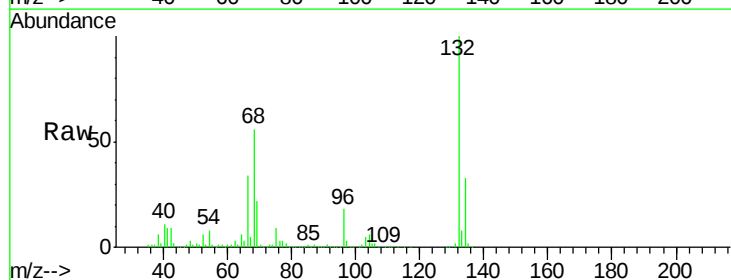
Tgt Ion: 77 Resp: 22939

Ion Ratio Lower Upper

77 100

105 70.2 63.5 103.5

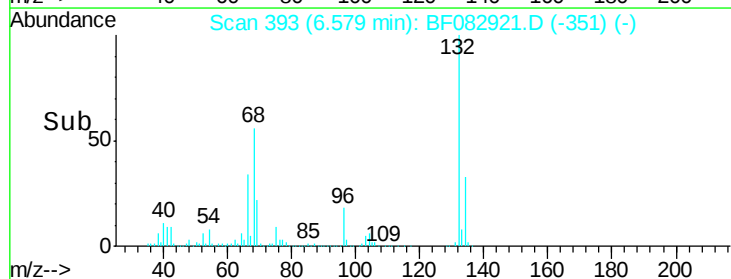
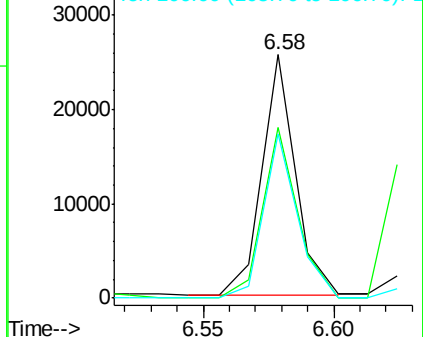
106 67.7 59.3 99.3

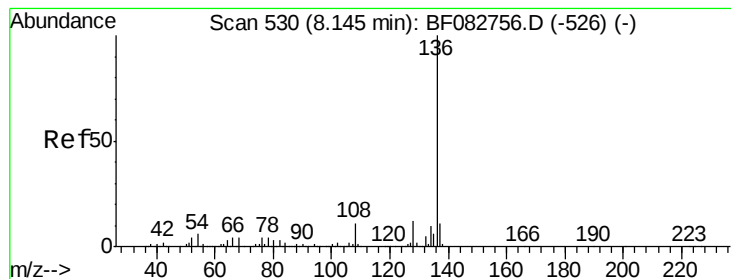


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

Instrument :

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Tgt Ion: 136 Resp: 562965

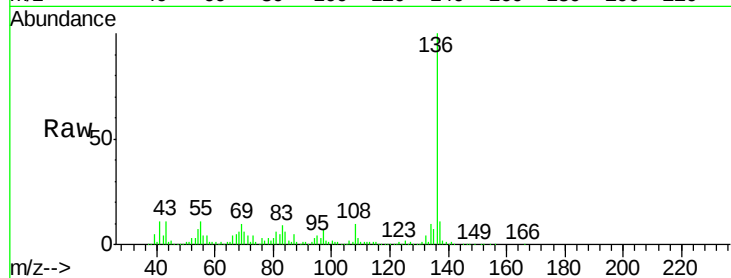
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 7.3 9.1 13.7#

68 6.2 4.8 7.2

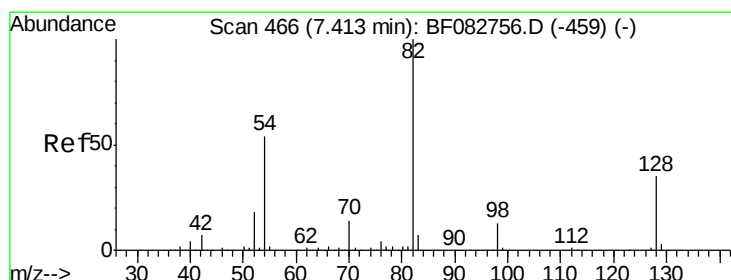
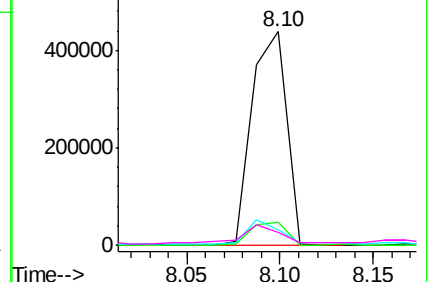
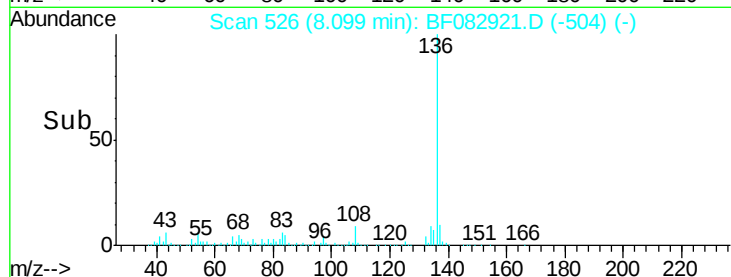


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 73.13 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.04 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

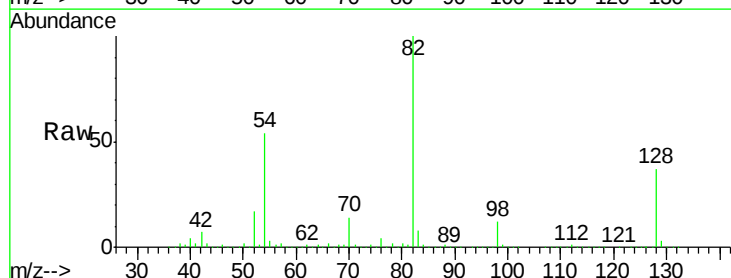
Tgt Ion: 82 Resp: 946193

Ion Ratio Lower Upper

82 100

128 36.8 26.8 40.2

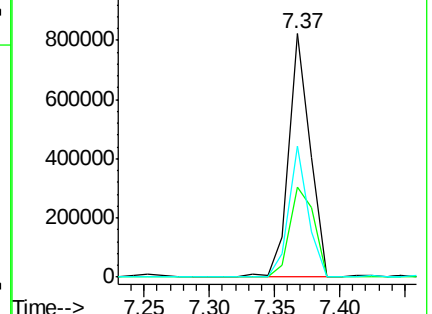
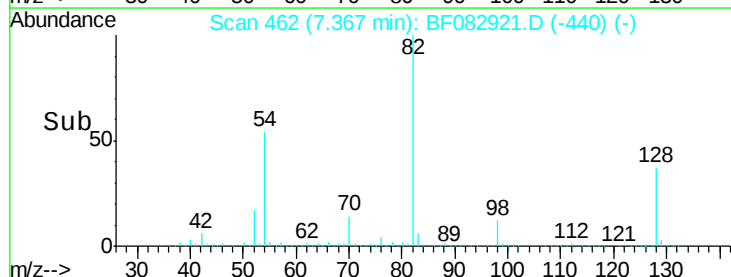
54 53.5 45.7 68.5

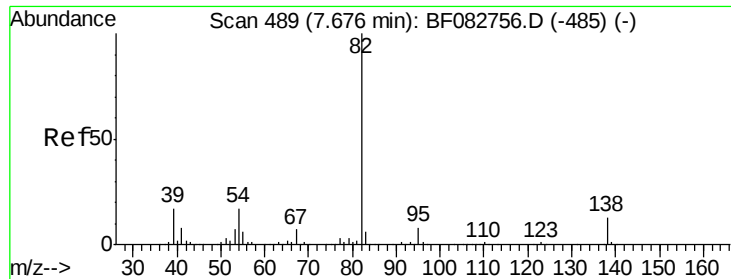


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 2.10 ng

RT: 7.77 min Scan# 497

Delta R.T. 0.09 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

Instrument :

BNA_F

ClientSampleId :

URS 3

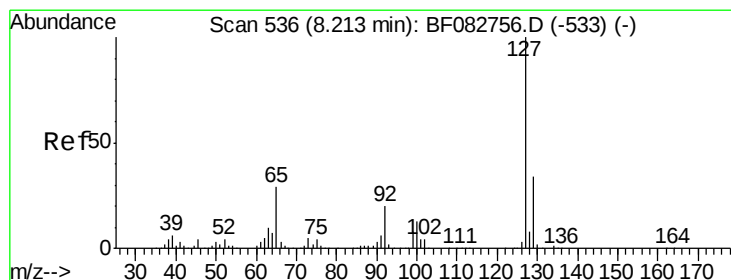
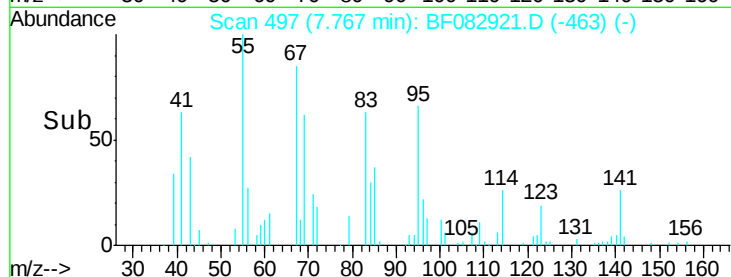
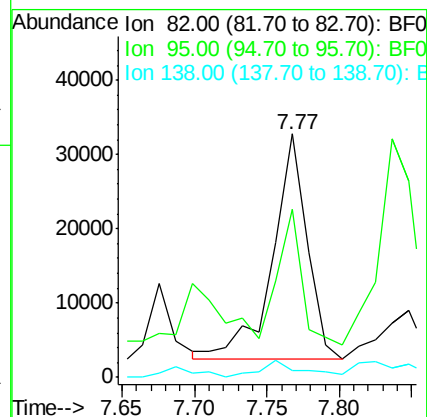
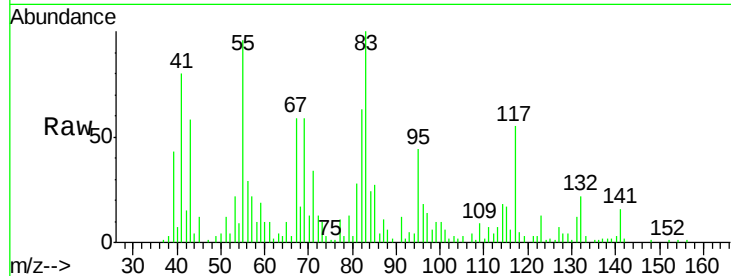
Tgt Ion: 82 Resp: 50362

Ion Ratio Lower Upper

82 100

95 69.2 6.6 9.8#

138 2.7 11.4 17.0#



#33

4-Chloroaniline

Concen: 2.25 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.03 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

Tgt Ion: 127 Resp: 30175

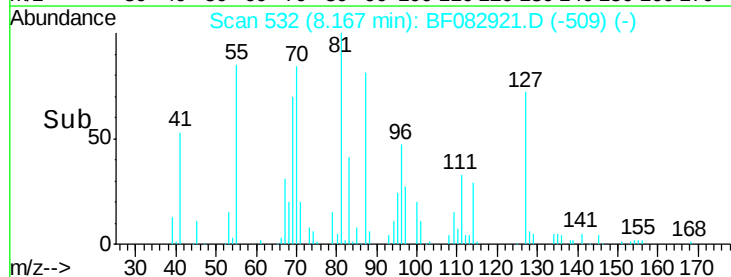
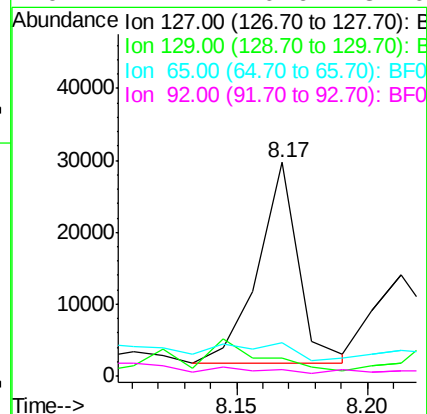
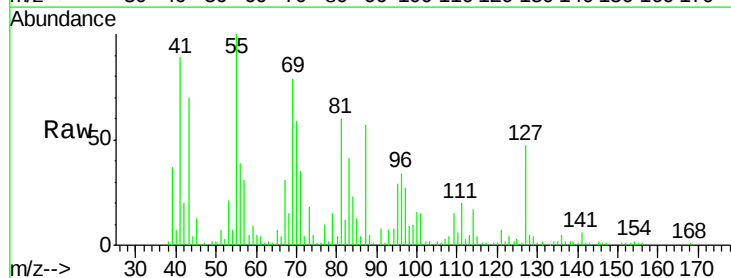
Ion Ratio Lower Upper

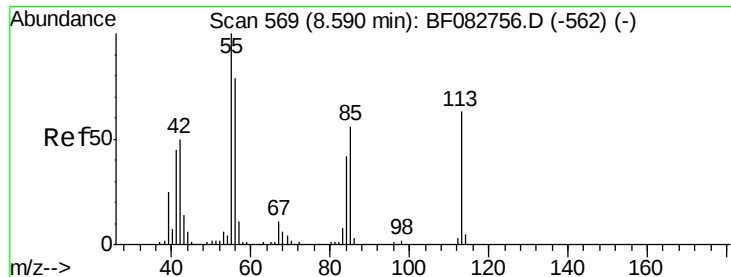
127 100

129 8.6 26.3 39.5#

65 15.8 37.8 56.8#

92 2.7 20.6 31.0#

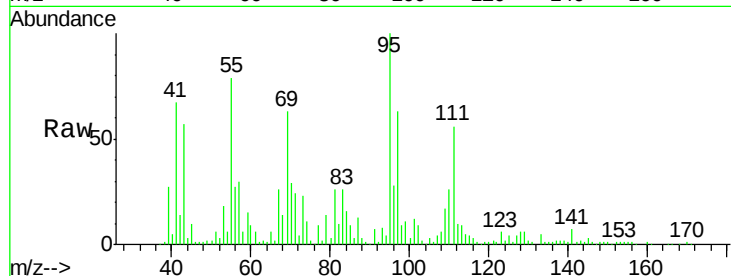




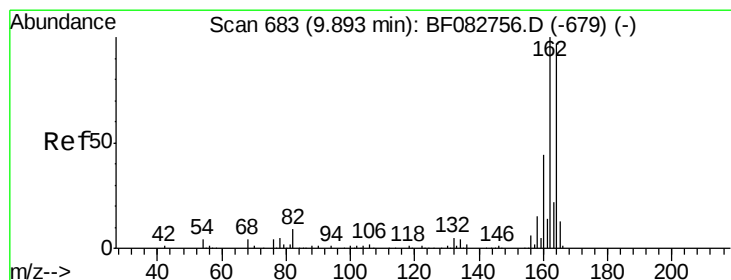
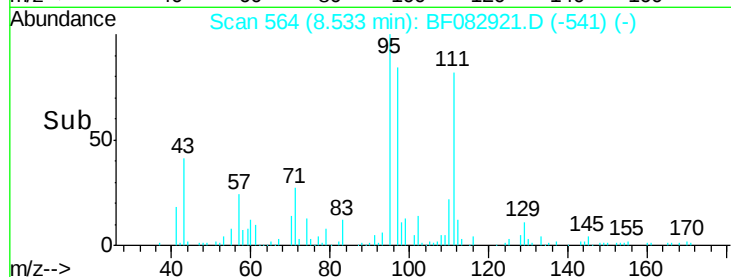
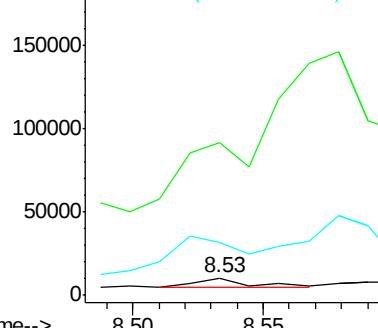
#35
 Caprolactam
 Concen: 2.69 ng
 RT: 8.53 min Scan# 564
 Delta R.T. -0.03 min
 Lab File: BF082921.D
 Acq: 14 Nov 2015 3:46

Instrument :
 BNA_F
 ClientSampleId :
 URS 3

Tgt Ion:113 Resp: 7596
 Ion Ratio Lower Upper
 113 100
 55 890.0 195.5 235.5#
 56 308.2 153.5 193.5#

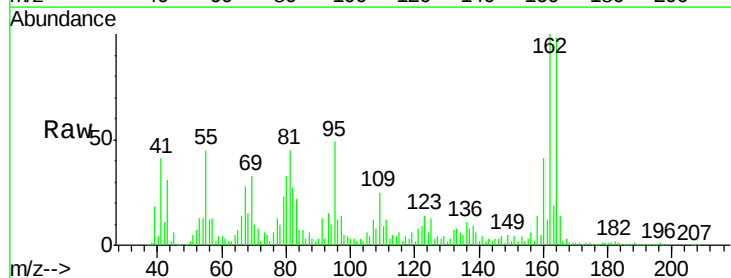


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

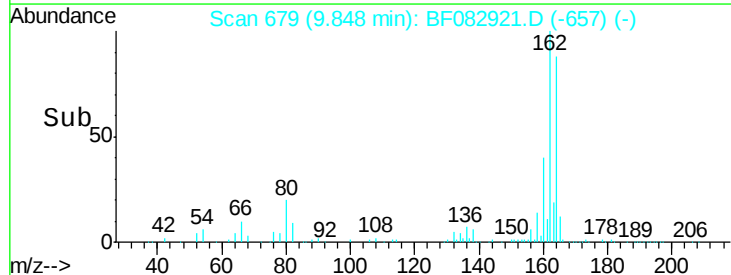
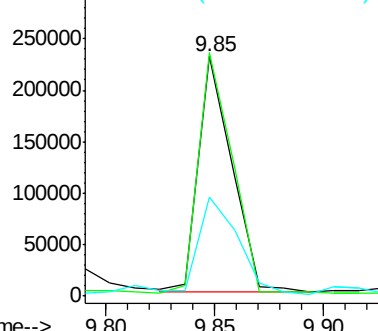


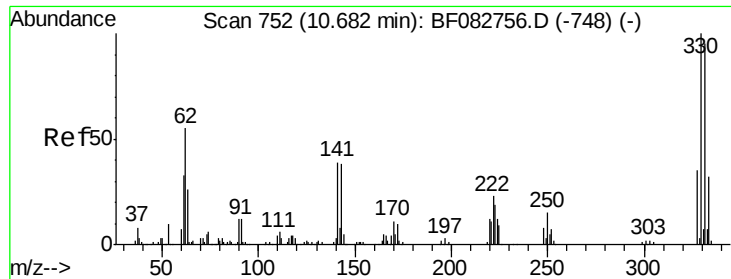
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF082921.D
 Acq: 14 Nov 2015 3:46

Tgt Ion:164 Resp: 244590
 Ion Ratio Lower Upper
 164 100
 162 101.7 84.9 127.3
 160 41.6 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

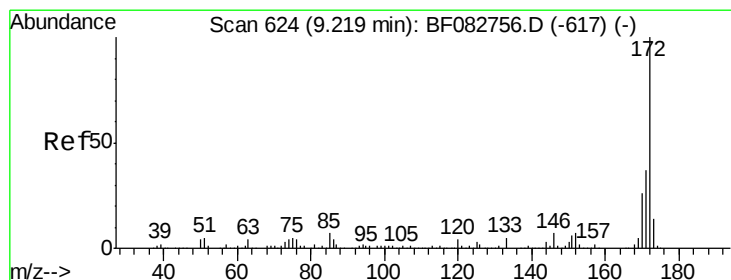
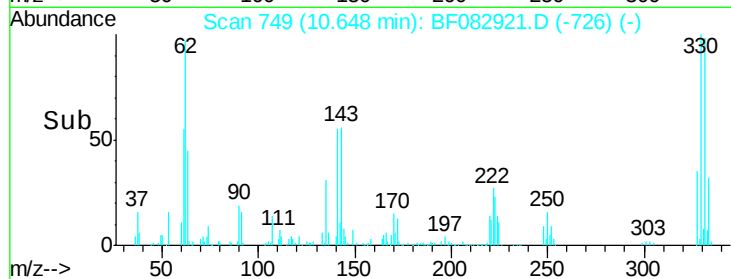
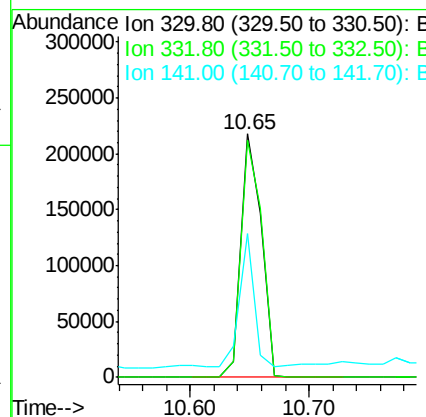
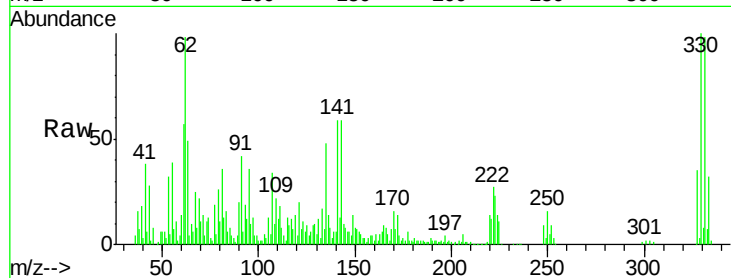




#41
 2,4,6-Tribromophenol
 Concen: 93.50 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF082921.D
 Acq: 14 Nov 2015 3:46

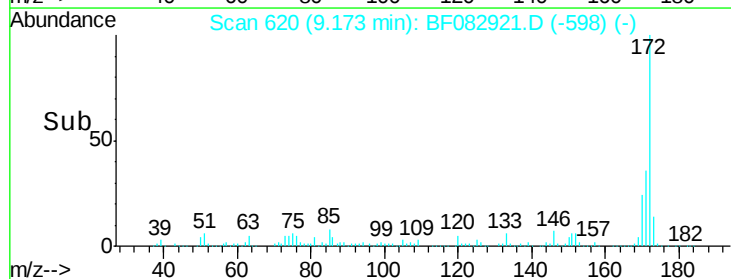
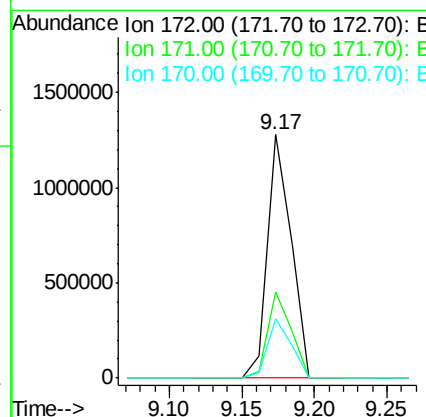
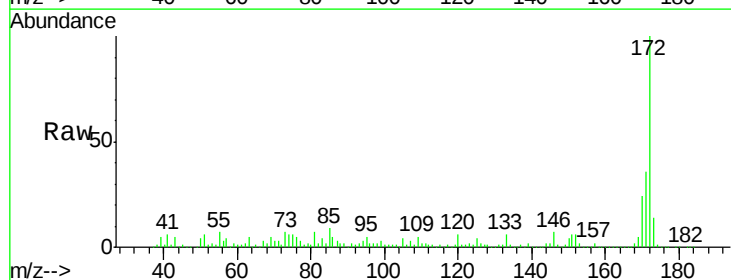
Instrument :
 BNA_F
 ClientSampleId :
 URS 3

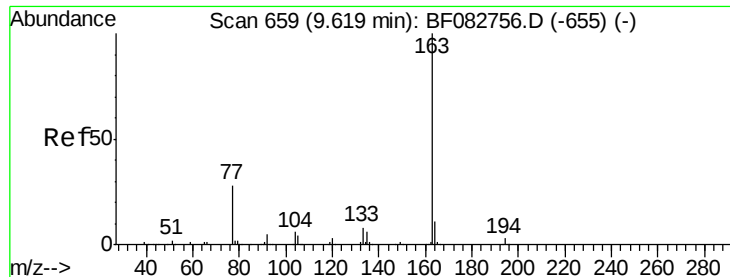
Tgt Ion:330 Resp: 262221
 Ion Ratio Lower Upper
 330 100
 332 99.5 76.6 114.8
 141 41.5 41.2 61.8



#44
 2-Fluorobiphenyl
 Concen: 84.31 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF082921.D
 Acq: 14 Nov 2015 3:46

Tgt Ion:172 Resp: 1438850
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.8 46.2
 170 24.2 21.2 31.8

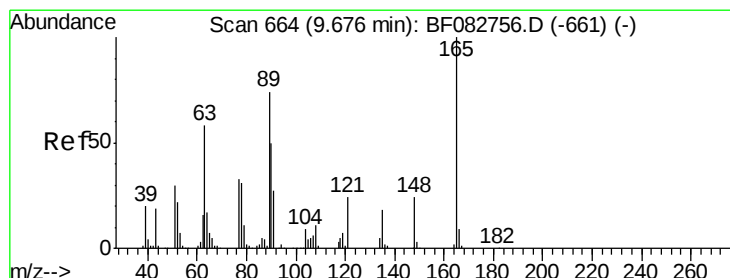
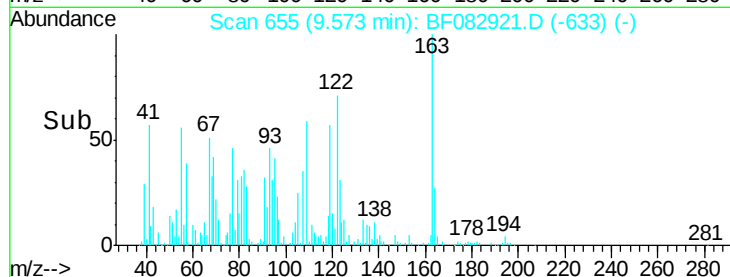
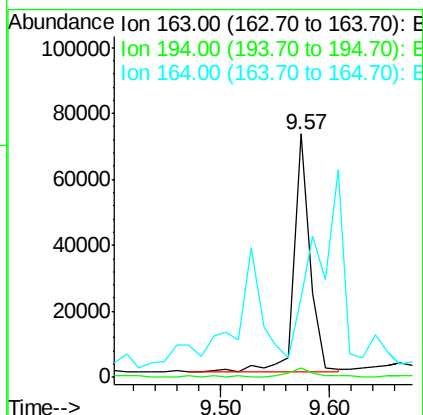
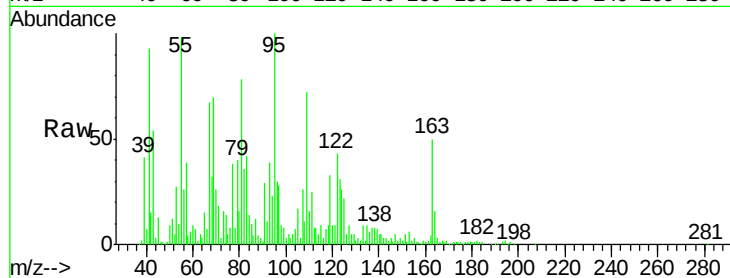




#49
Dimethylphthalate
Concen: 3.78 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF082921.D
Acq: 14 Nov 2015 3:46

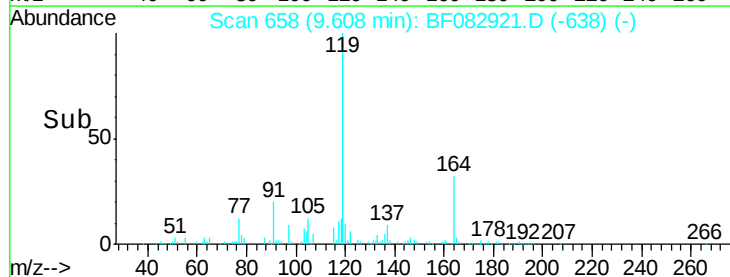
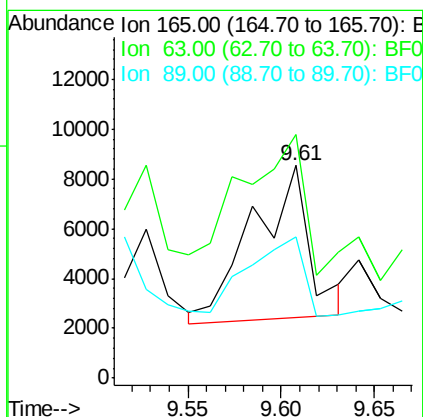
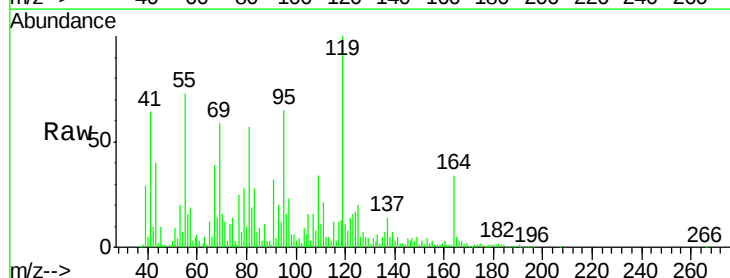
Instrument :
BNA_F
ClientSampled :
URS 3

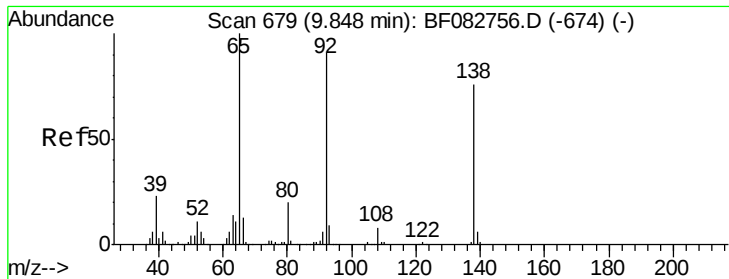
Tgt Ion:163 Resp: 75803
Ion Ratio Lower Upper
163 100
194 4.0 2.6 4.0#
164 32.8 8.7 13.1#



#50
2,6-Dinitrotoluene
Concen: 3.06 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.07 min
Lab File: BF082921.D
Acq: 14 Nov 2015 3:46

Tgt Ion:165 Resp: 13068
Ion Ratio Lower Upper
165 100
63 114.4 55.5 83.3#
89 66.3 55.0 82.6





#52

3-Nitroaniline

Concen: 5.11 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.06 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

Instrument :

BNA_F

ClientSampleId :

URS 3

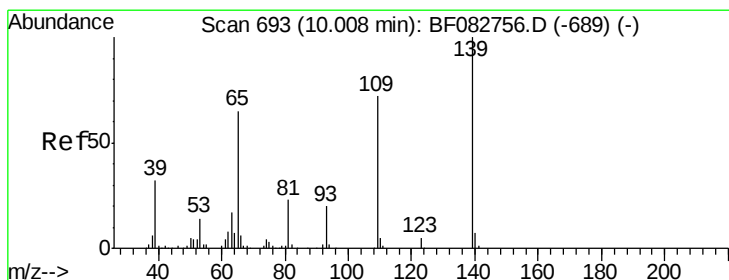
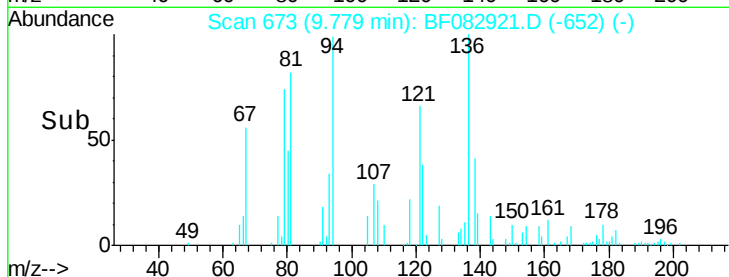
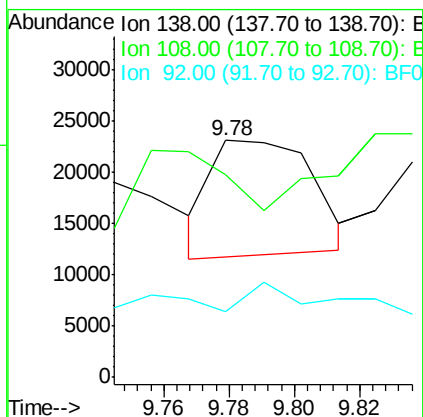
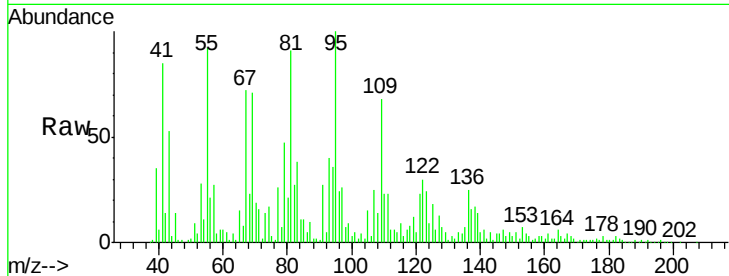
Tgt Ion:138 Resp: 24030

Ion Ratio Lower Upper

138 100

108 85.5 11.3 16.9#

92 27.8 122.4 183.6#



#55

4-Nitrophenol

Concen: 4.87 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.03 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

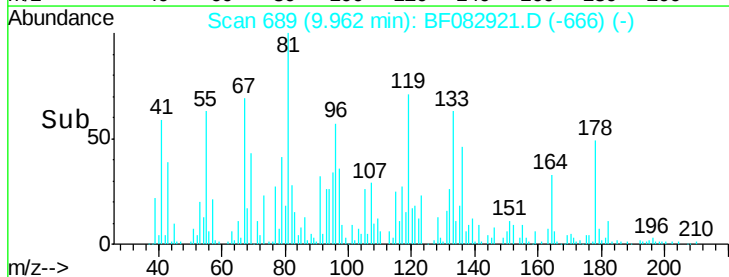
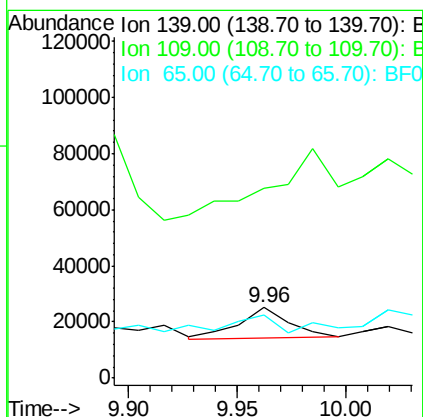
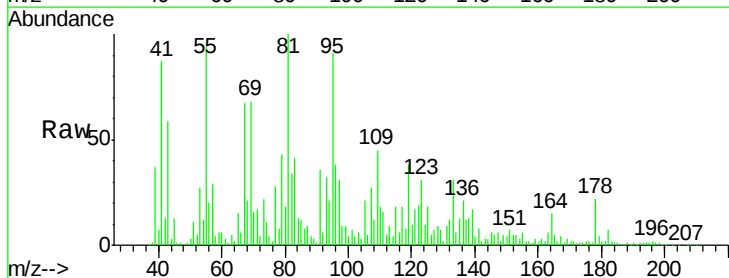
Tgt Ion:139 Resp: 17567

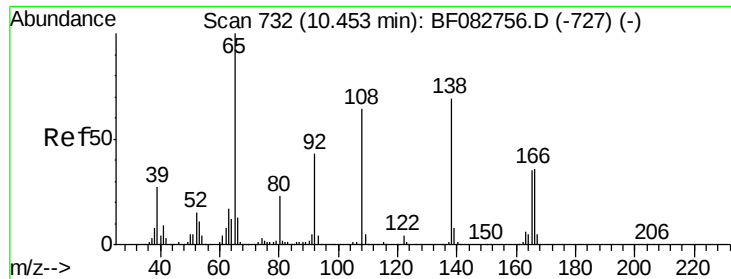
Ion Ratio Lower Upper

139 100

109 269.7 73.7 113.7#

65 89.4 82.9 122.9

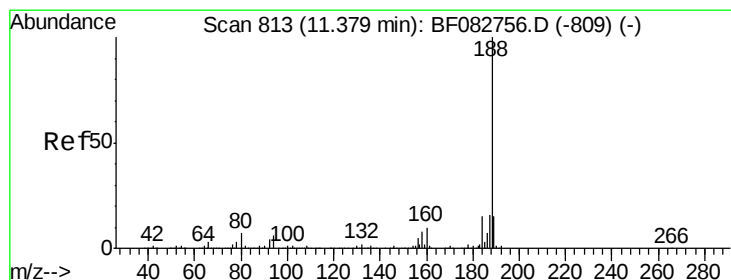
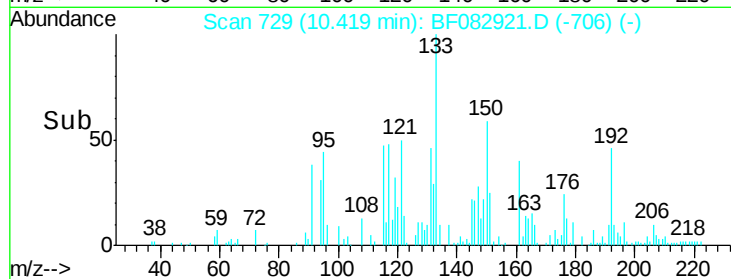
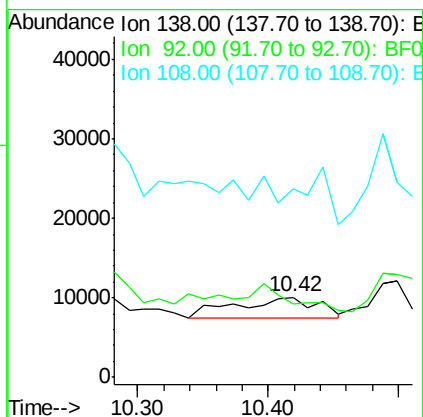
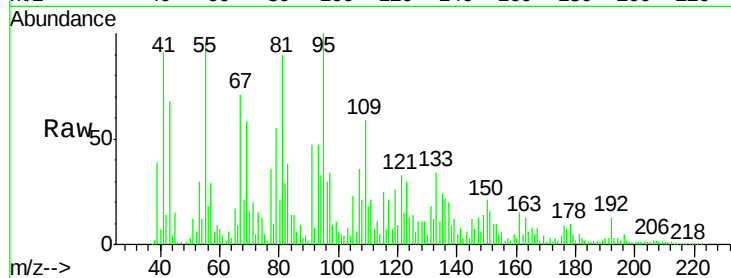




#61
4-Nitroaniline
Concen: 2.37 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.03 min
Lab File: BF082921.D
Acq: 14 Nov 2015 3:46

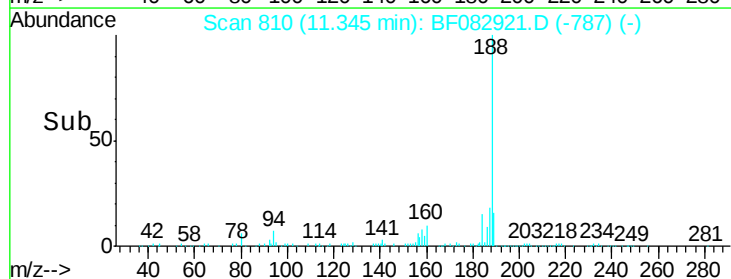
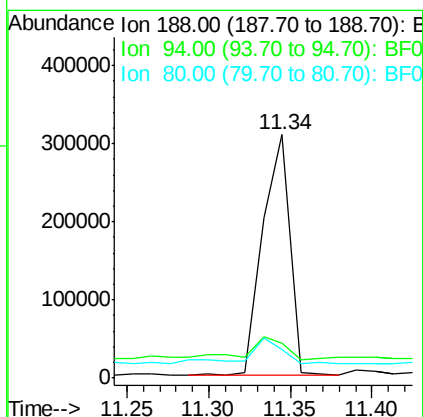
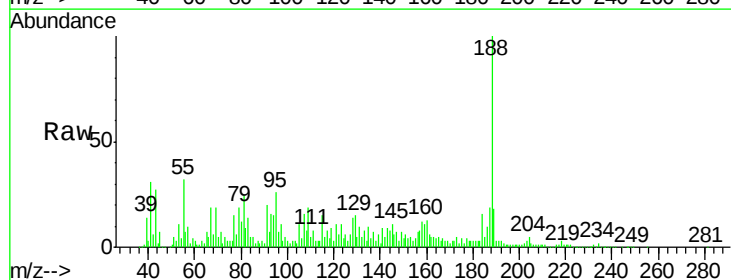
Instrument :
BNA_F
ClientSampleId :
URS 3

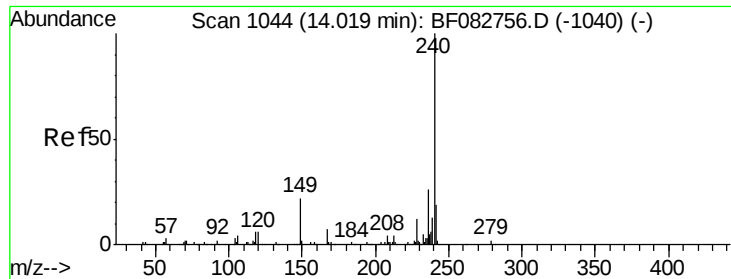
Tgt Ion:138 Resp: 11224
Ion Ratio Lower Upper
138 100
92 91.9 45.8 85.8#
108 236.0 89.4 129.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF082921.D
Acq: 14 Nov 2015 3:46

Tgt Ion:188 Resp: 355238
Ion Ratio Lower Upper
188 100
94 14.6 6.1 9.1#
80 11.7 7.0 10.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

Instrument :

BNA_F

ClientSampleId :

URS 3

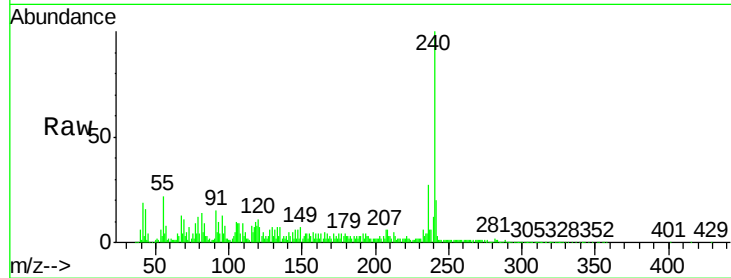
Tgt Ion:240 Resp: 329324

Ion Ratio Lower Upper

240 100

120 11.0 10.9 16.3

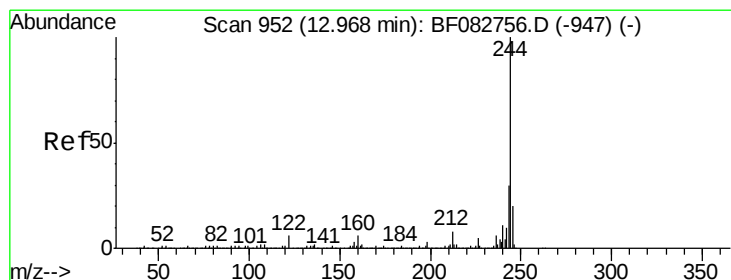
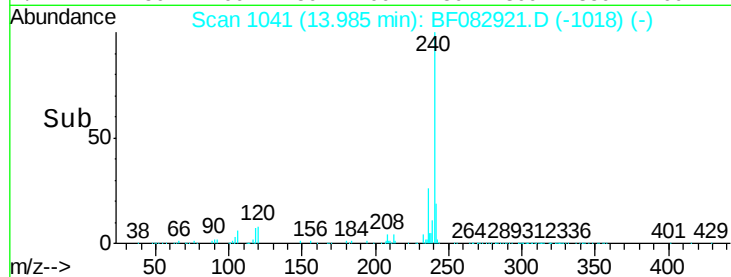
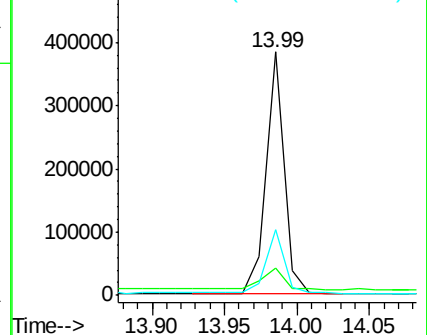
236 27.2 21.6 32.4



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: 60.92 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF082921.D

Acq: 14 Nov 2015 3:46

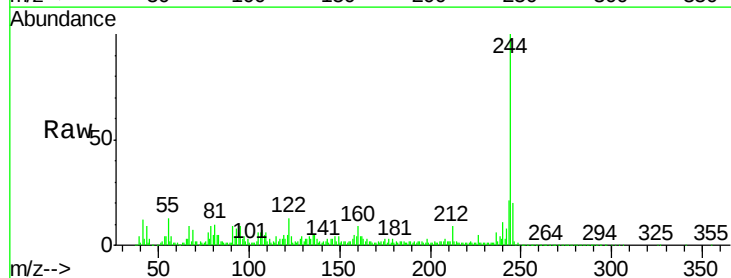
Tgt Ion:244 Resp: 845906

Ion Ratio Lower Upper

244 100

212 8.6 7.6 11.4

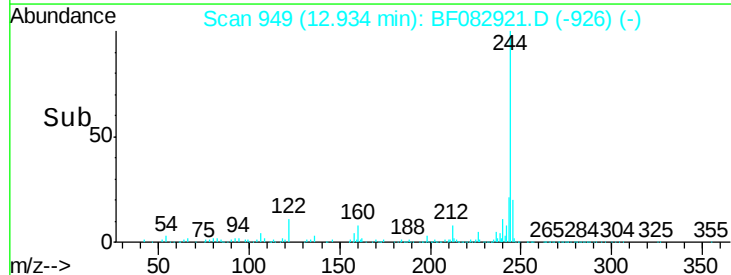
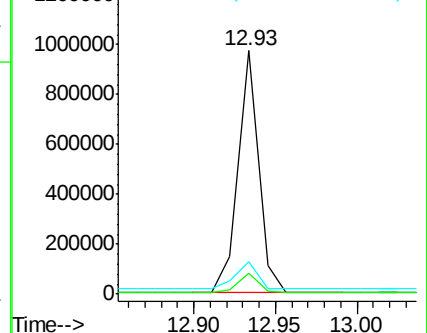
122 13.4 11.3 16.9

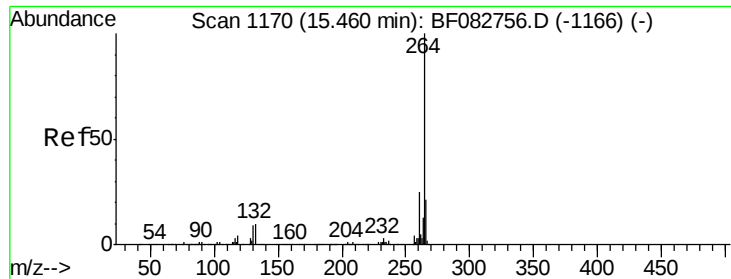


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.05 min
 Lab File: BF082921.D
 Acq: 14 Nov 2015 3:46

Instrument :
 BNA_F
 ClientSampleId :
 URS 3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.6
265	21.5	17.4	26.0

