

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101215\
 Data File : BF082220.D
 Acq On : 12 Oct 2015 15:01
 Operator : UM/IZ
 Sample : PB86065BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86065BL

Quant Time: Oct 13 02:06:46 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 13 02:05:16 2015
 Response via : Initial Calibration

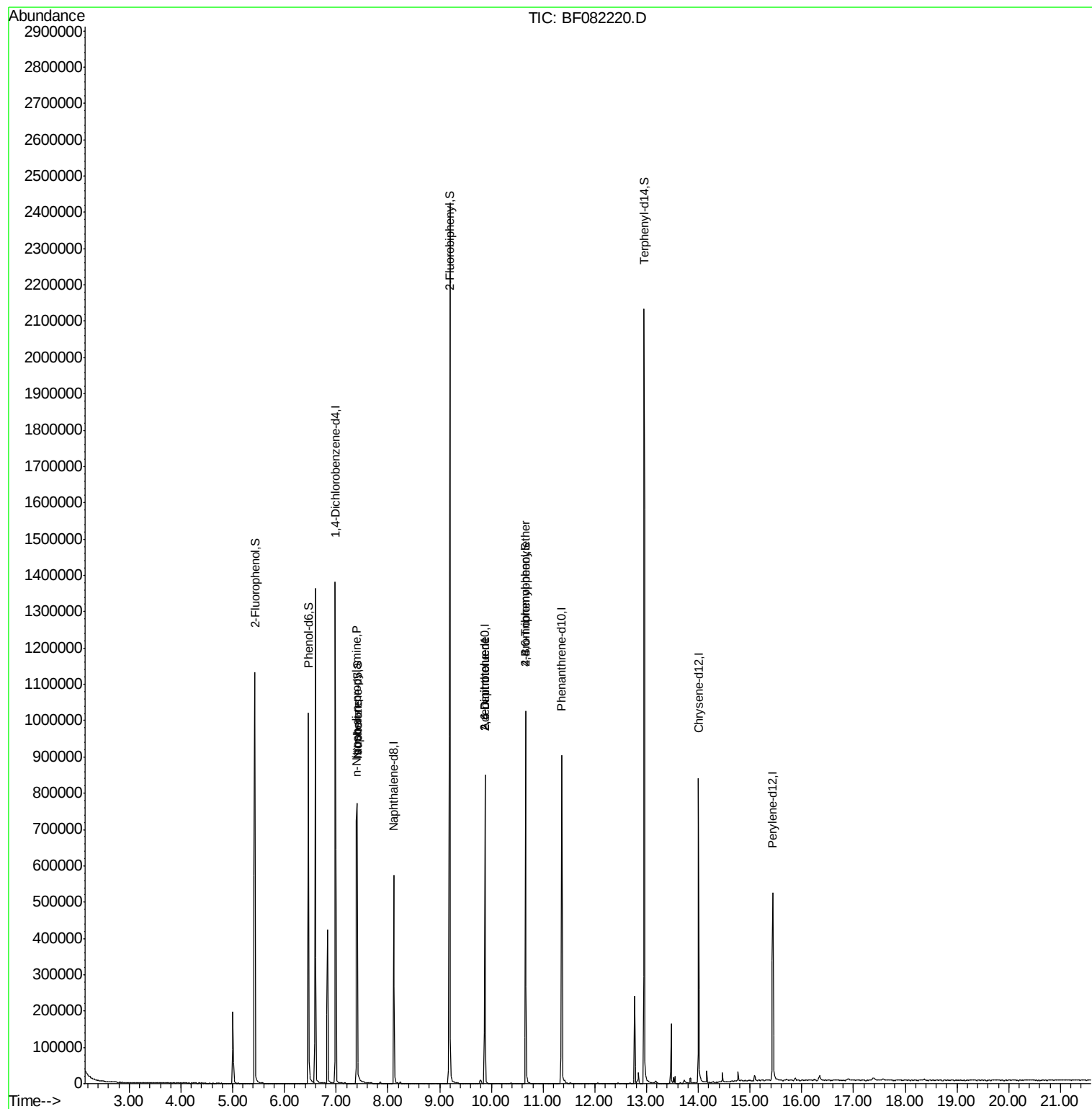
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	255893	20.00	ng	0.15
21) Naphthalene-d8	8.11	136	327235	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	176601	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	357854	20.00	ng	0.00
75) Chrysene-d12	14.00	240	350863	20.00	ng	-0.01
86) Perylene-d12	15.44	264	283176	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	374559	29.54	ng	0.01
7) Phenol-d6	6.47	99	489565	29.67	ng	0.00
23) Nitrobenzene-d5	7.41	82	413554	84.87	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	126303	76.26	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	877013	82.36	ng	0.00
78) Terphenyl-d14	12.95	244	1016521	76.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	51592	4.45	ng	# 83
25) Isophorone	7.41	82	392542	39.91	ng	# 66
50) 2,6-Dinitrotoluene	9.87	165	22154	8.44	ng	# 30
56) 2,4-Dinitrotoluene	9.87	165	22154	6.76	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	8396	2.34	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: 6.98 min Scan# 424

Delta R.T. 0.15 min

Lab File: BF082220.D

Acq: 12 Oct 2015 15:01

Instrument :

BNA_F

ClientSampleId :

PB86065BL

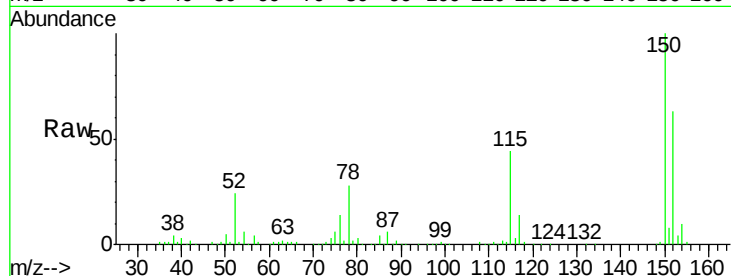
Tot Ion:152 Resp: 255893

Ion Ratio Lower Upper

152 100

150 159.4 129.0 193.4

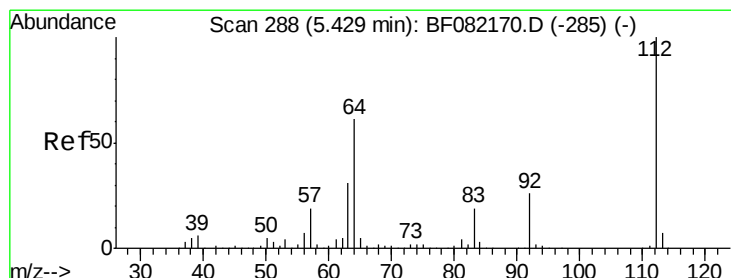
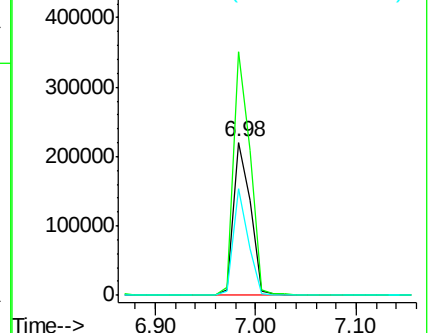
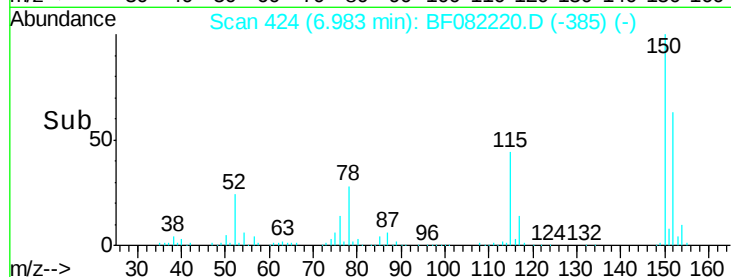
115 69.6 52.1 78.1



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: 29.54 ng

RT: 5.43 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF082220.D

Acq: 12 Oct 2015 15:01

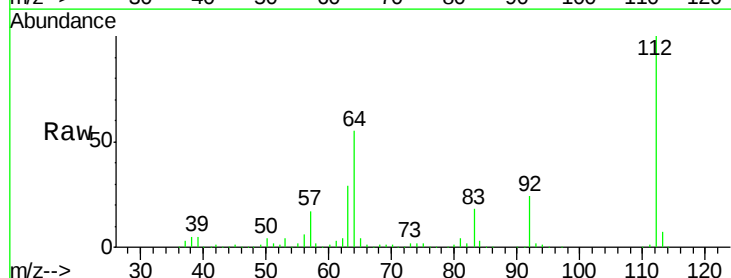
Tgt Ion:112 Resp: 374559

Ion Ratio Lower Upper

112 100

64 55.0 48.6 73.0

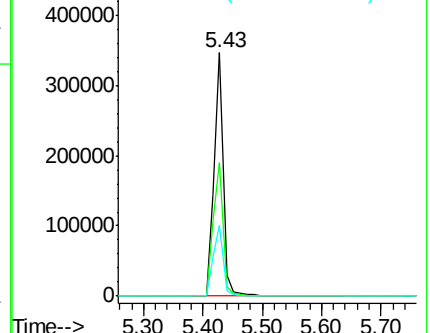
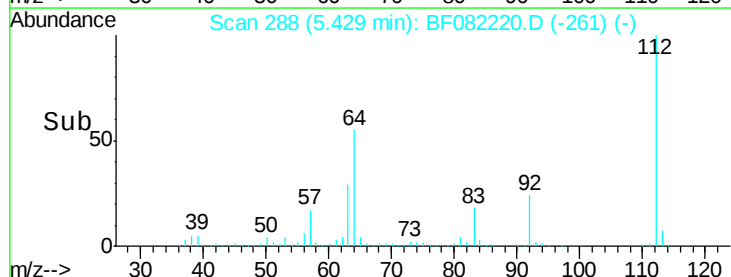
63 29.0 25.1 37.7



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: 29.67 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF082220.D

Acq: 12 Oct 2015 15:01

Instrument :

BNA_F

ClientSampleId :

PB86065BL

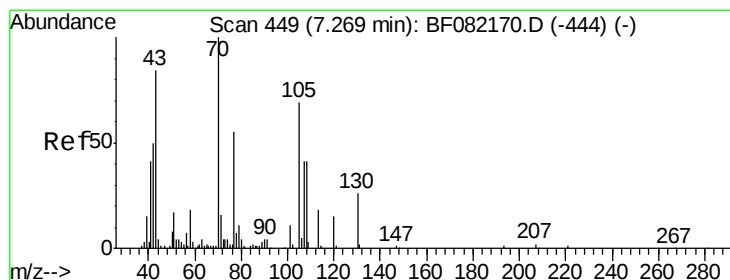
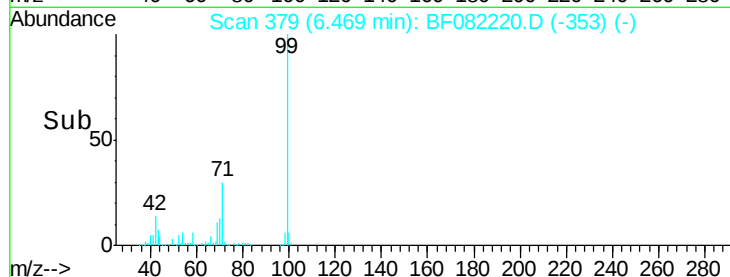
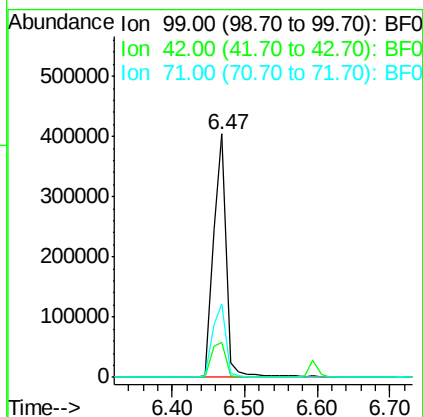
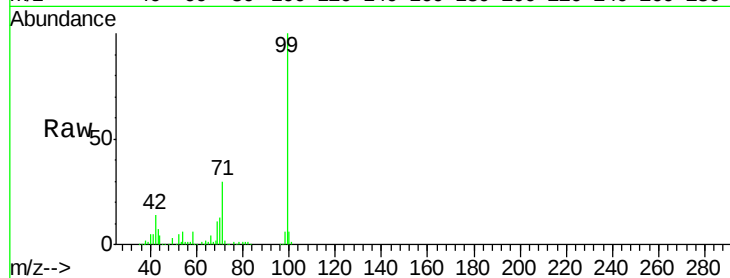
Tot Ion: 99 Resp: 489565

Ion Ratio Lower Upper

99 100

42 14.4 13.2 19.8

71 30.3 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.45 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF082220.D

Acq: 12 Oct 2015 15:01

Tgt Ion: 70 Resp: 51592

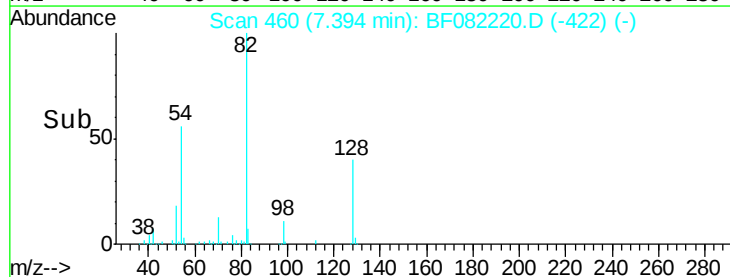
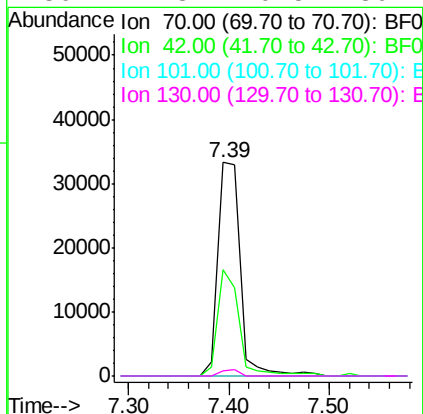
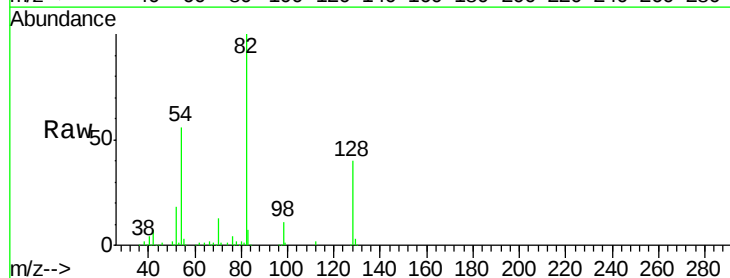
Ion Ratio Lower Upper

70 100

42 49.7 39.8 59.8

101 0.0 8.6 13.0#

130 2.3 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF082220.D

Acq: 12 Oct 2015 15:01

Instrument :

BNA_F

ClientSampleId :

PB86065BL

Tot Ion:136 Resp: 327235

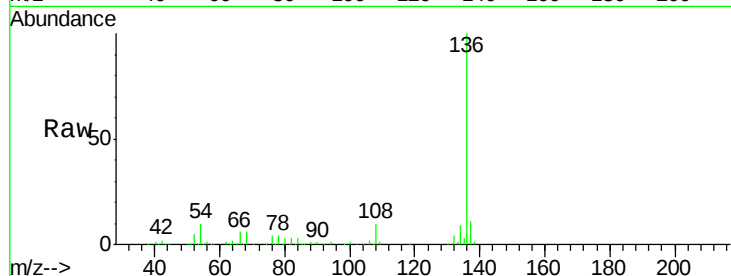
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 9.6 7.5 11.3

68 6.1 4.6 7.0

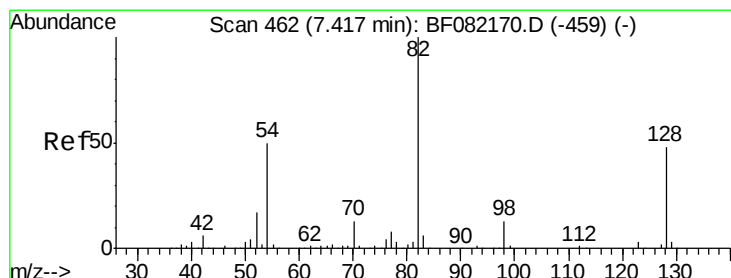
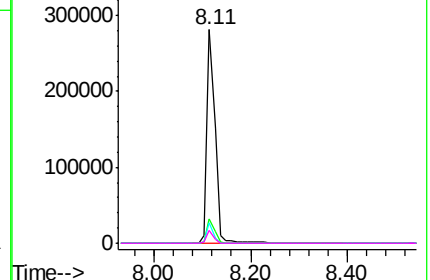
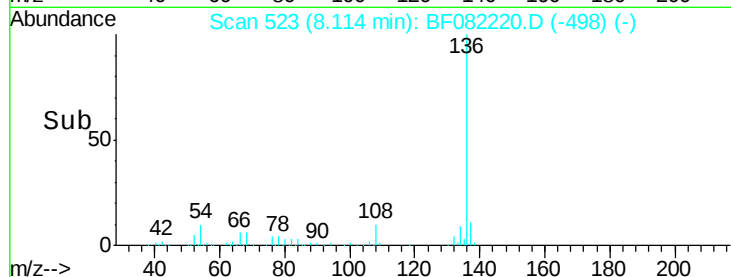


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.87 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.00 min

Lab File: BF082220.D

Acq: 12 Oct 2015 15:01

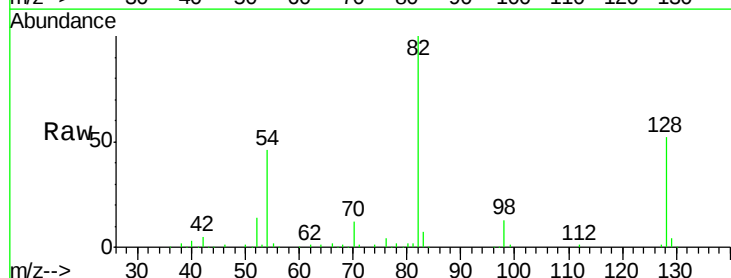
Tgt Ion: 82 Resp: 413554

Ion Ratio Lower Upper

82 100

128 52.3 38.7 58.1

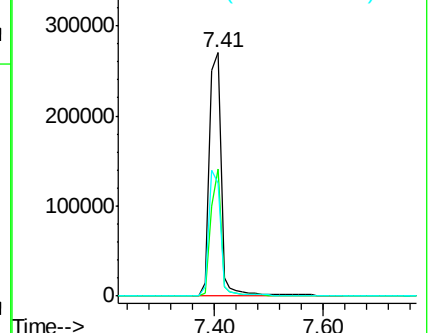
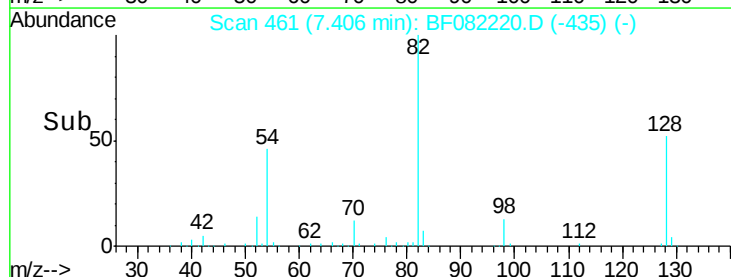
54 46.4 40.1 60.1

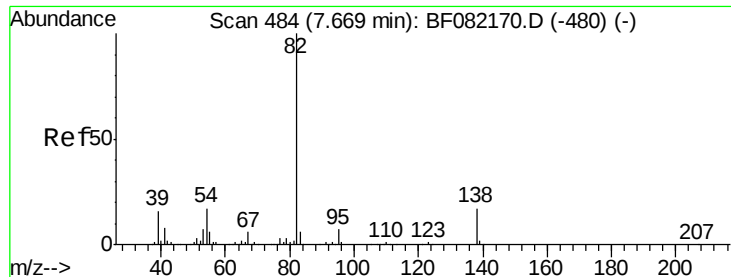


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.91 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.26 min

Lab File: BF082220.D

Acq: 12 Oct 2015 15:01

Instrument :

BNA_F

ClientSampleId :

PB86065BL

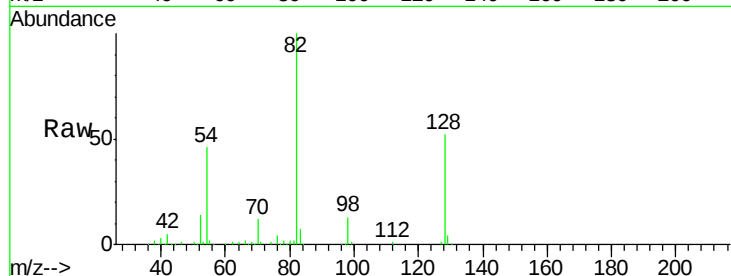
Tot Ion: 82 Resp: 392542

Ion Ratio Lower Upper

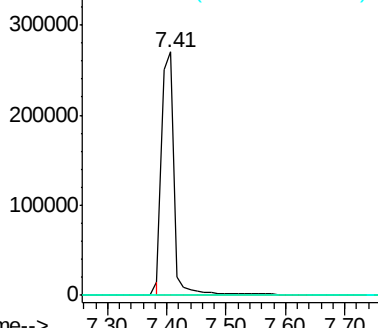
82 100

95 0.0 5.6 8.4#

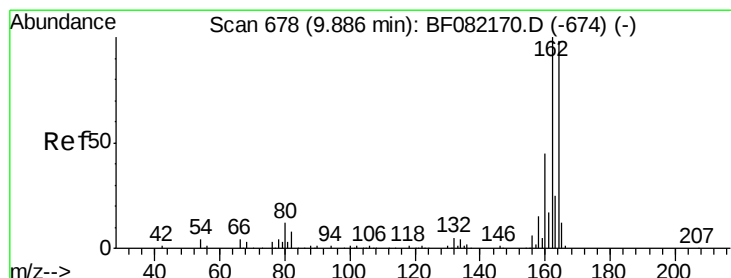
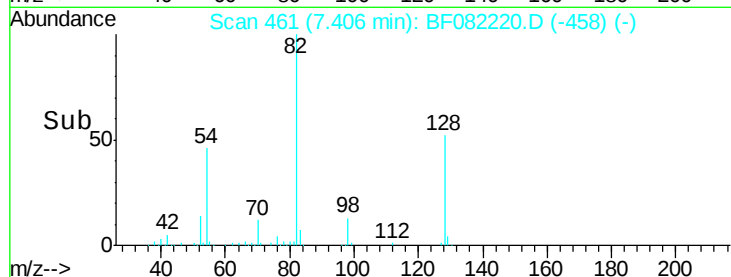
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



Time--> 7.30 7.40 7.50 7.60 7.70



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF082220.D

Acq: 12 Oct 2015 15:01

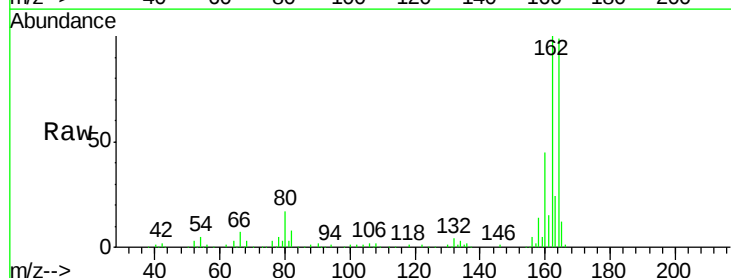
Tgt Ion:164 Resp: 176601

Ion Ratio Lower Upper

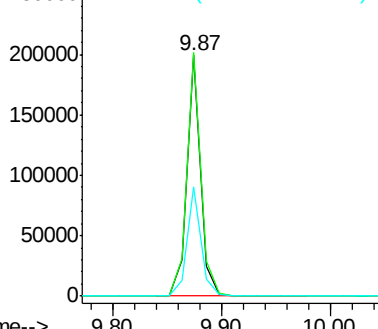
164 100

162 101.2 81.6 122.4

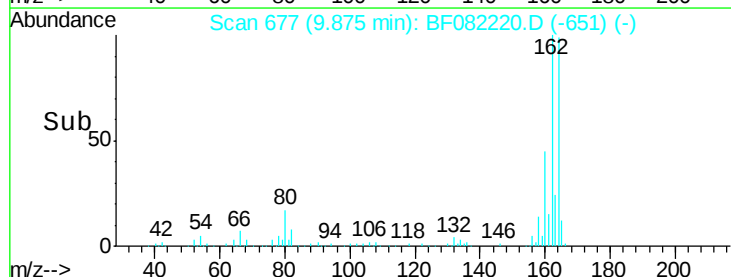
160 45.2 36.4 54.6



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



Time--> 9.80 9.90 10.00

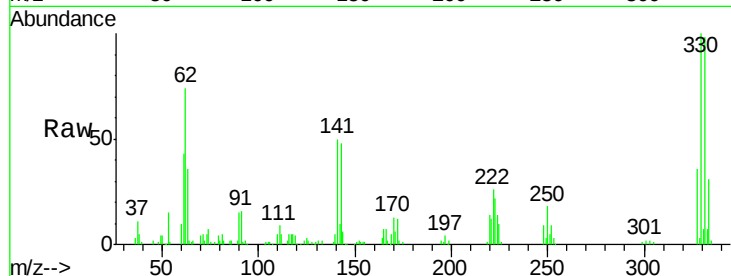




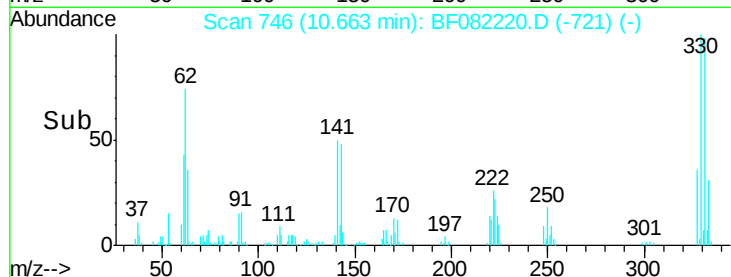
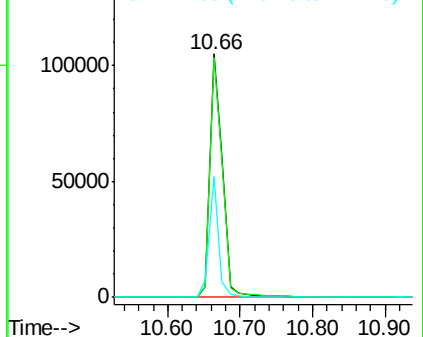
#41
 2,4,6-Tribromophenol
 Concen: 76.26 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082220.D
 Acq: 12 Oct 2015 15:01

Instrument :
 BNA_F
 ClientSampleId :
 PB86065BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.1	115.7
141	37.0	29.8	44.8

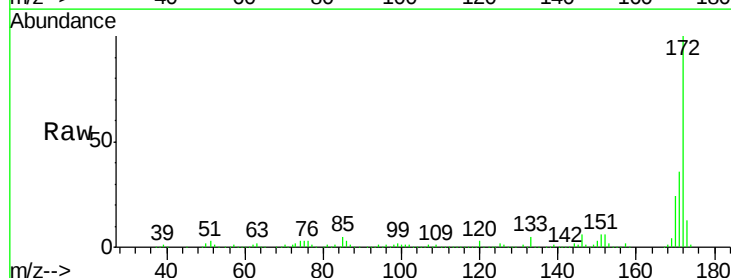


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

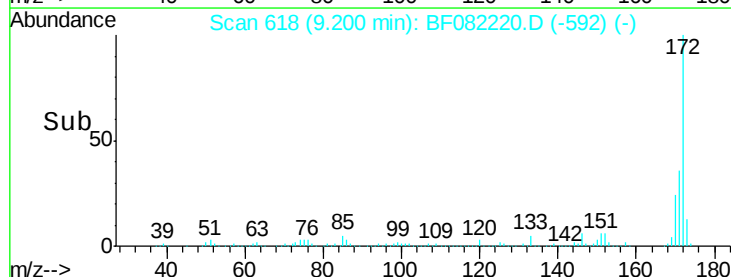
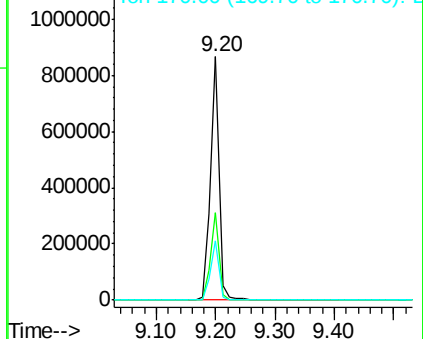


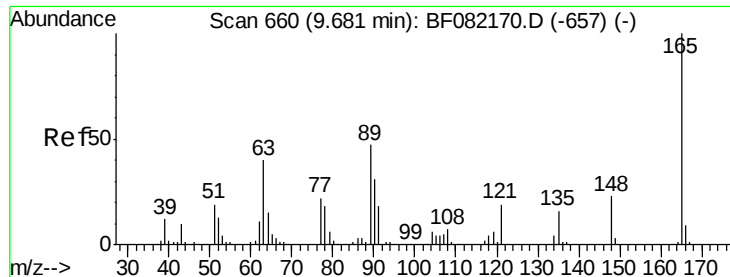
#44
 2-Fluorobiphenyl
 Concen: 82.36 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF082220.D
 Acq: 12 Oct 2015 15:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.4	19.7	29.5



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

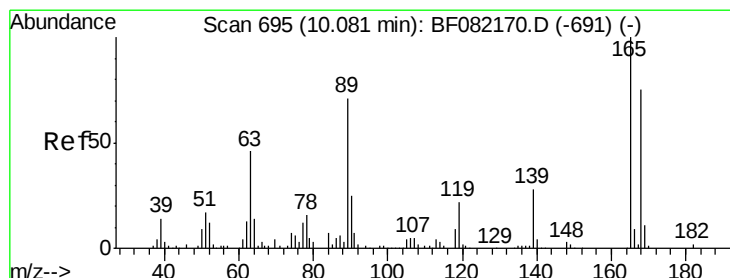
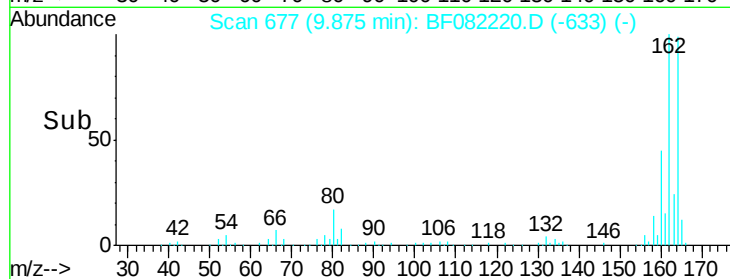
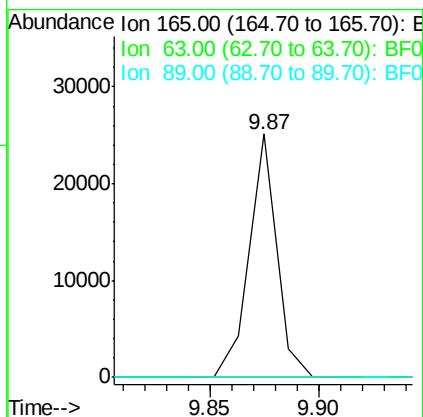
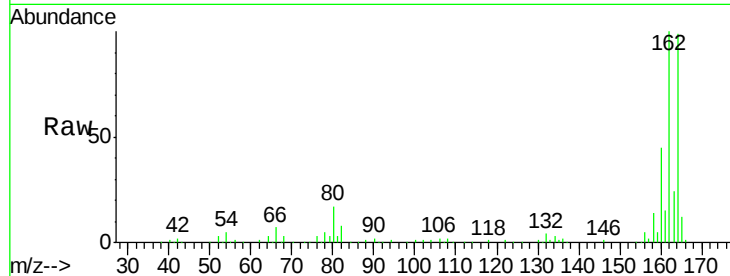




#50
 2,6-Dinitrotoluene
 Concen: 8.44 ng
 RT: 9.87 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF082220.D
 Acq: 12 Oct 2015 15:01

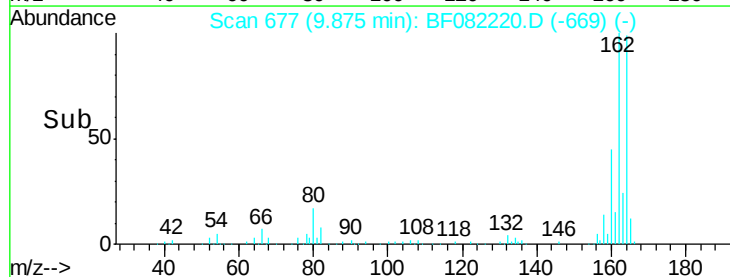
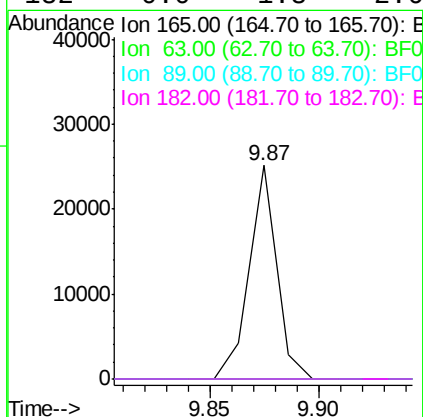
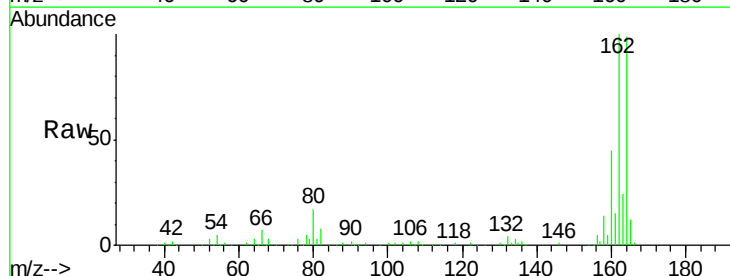
Instrument :
 BNA_F
 ClientSampleId :
 PB86065BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	0.0	37.8	56.6#



#56
 2,4-Dinitrotoluene
 Concen: 6.76 ng
 RT: 9.87 min Scan# 677
 Delta R.T. -0.21 min
 Lab File: BF082220.D
 Acq: 12 Oct 2015 15:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.6	58.0#
89	0.0	57.0	85.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF082220.D

Acq: 12 Oct 2015 15:01

Instrument :

BNA_F

ClientSampleId :

PB86065BL

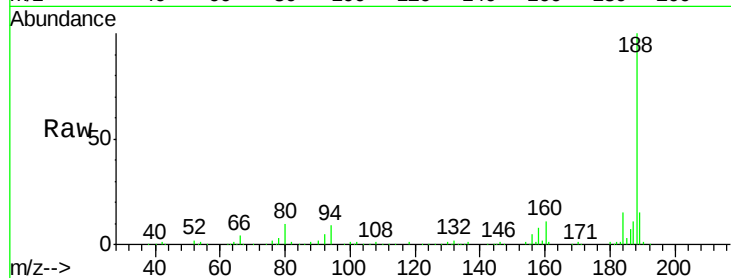
Tot Ion:188 Resp: 357854

Ion Ratio Lower Upper

188 100

94 9.0 5.8 8.6#

80 9.8 6.4 9.6#



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

11.36

400000

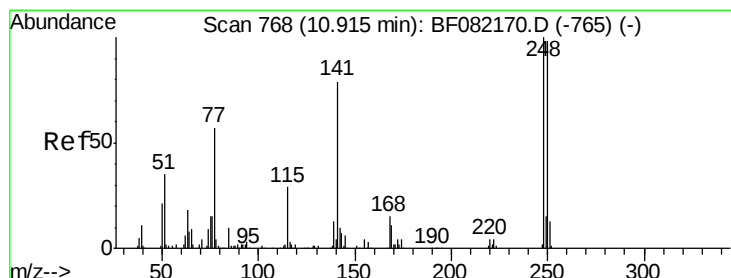
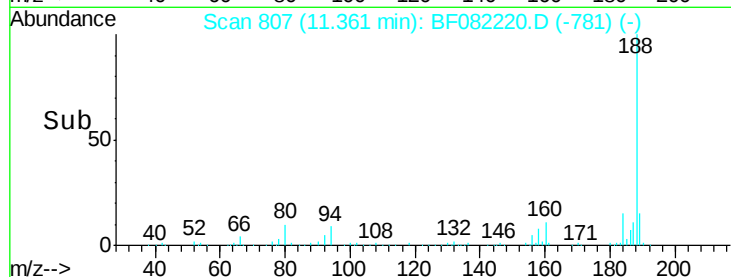
300000

200000

100000

0

Time--> 11.20 11.40 11.60



#66

4-Bromophenyl-phenylether

Concen: 2.34 ng

RT: 10.66 min Scan# 746

Delta R.T. -0.25 min

Lab File: BF082220.D

Acq: 12 Oct 2015 15:01

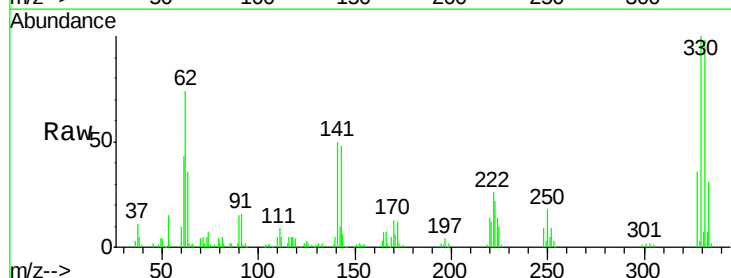
Tgt Ion:248 Resp: 8396

Ion Ratio Lower Upper

248 100

250 203.2 78.6 117.8#

141 575.4 63.3 94.9#



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

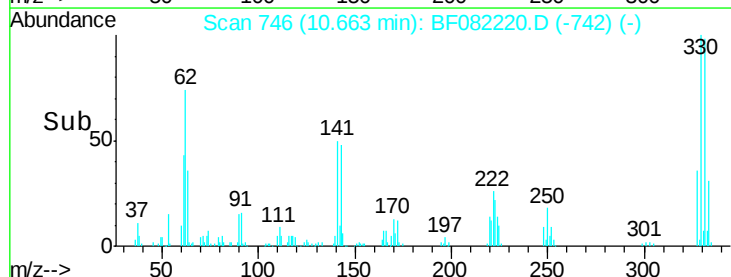
60000

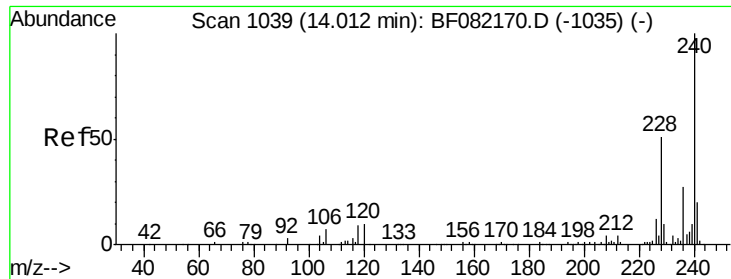
40000

20000

0

Time--> 10.65 10.70

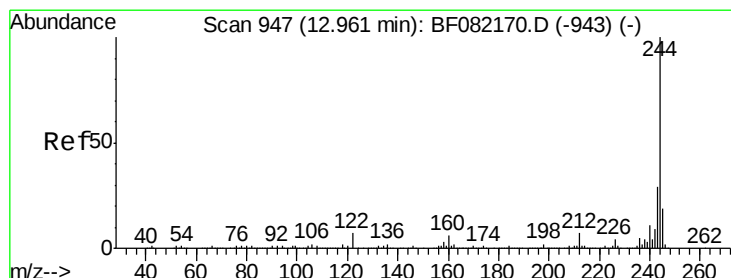
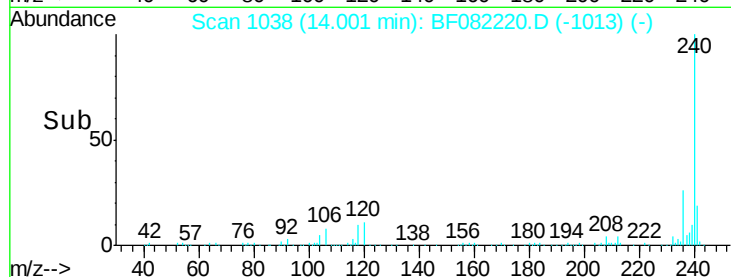
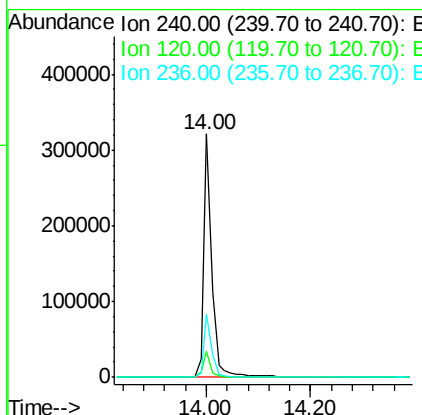
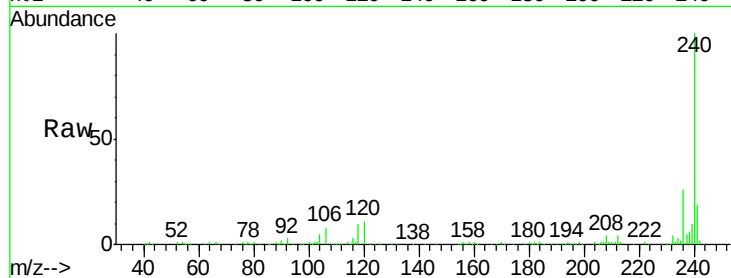




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF082220.D
Acq: 12 Oct 2015 15:01

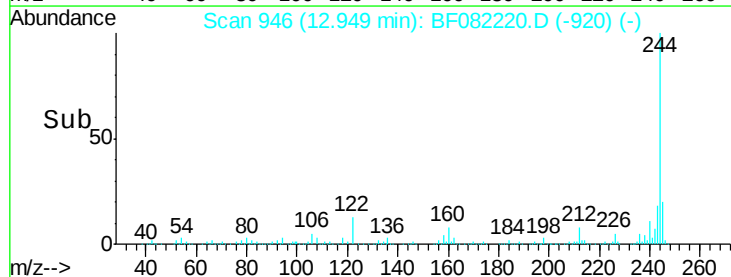
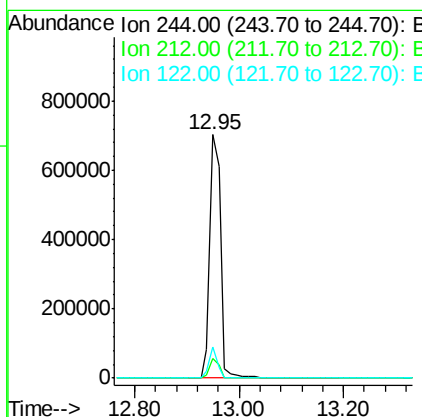
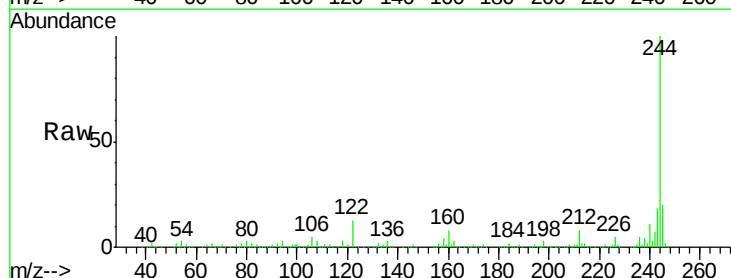
Instrument :
BNA_F
ClientSampleId :
PB86065BL

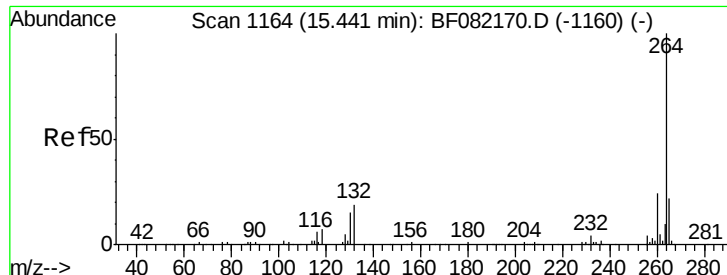
Tot Ion:240 Resp: 350863
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 25.9 21.3 31.9



#78
Terphenyl-d14
Concen: 76.77 ng
RT: 12.95 min Scan# 946
Delta R.T. -0.00 min
Lab File: BF082220.D
Acq: 12 Oct 2015 15:01

Tgt Ion:244 Resp: 1016521
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.6
122 13.0 5.9 8.9#

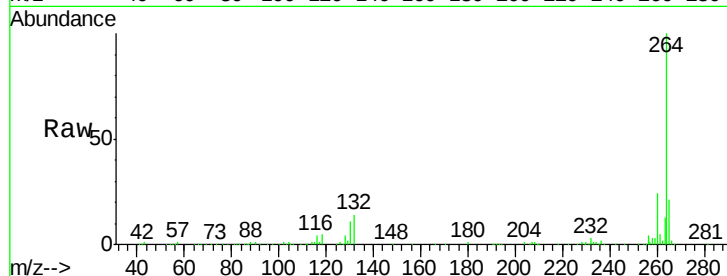




#86
Pervlone-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF082220.D
Acq: 12 Oct 2015 15:01

Instrument :
BNA_F
ClientSampleId :
PB86065BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.2	17.3	25.9



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

