

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
 Data File : BF082277.D
 Acq On : 14 Oct 2015 14:04
 Operator : UM/IZ
 Sample : PB86108BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BL

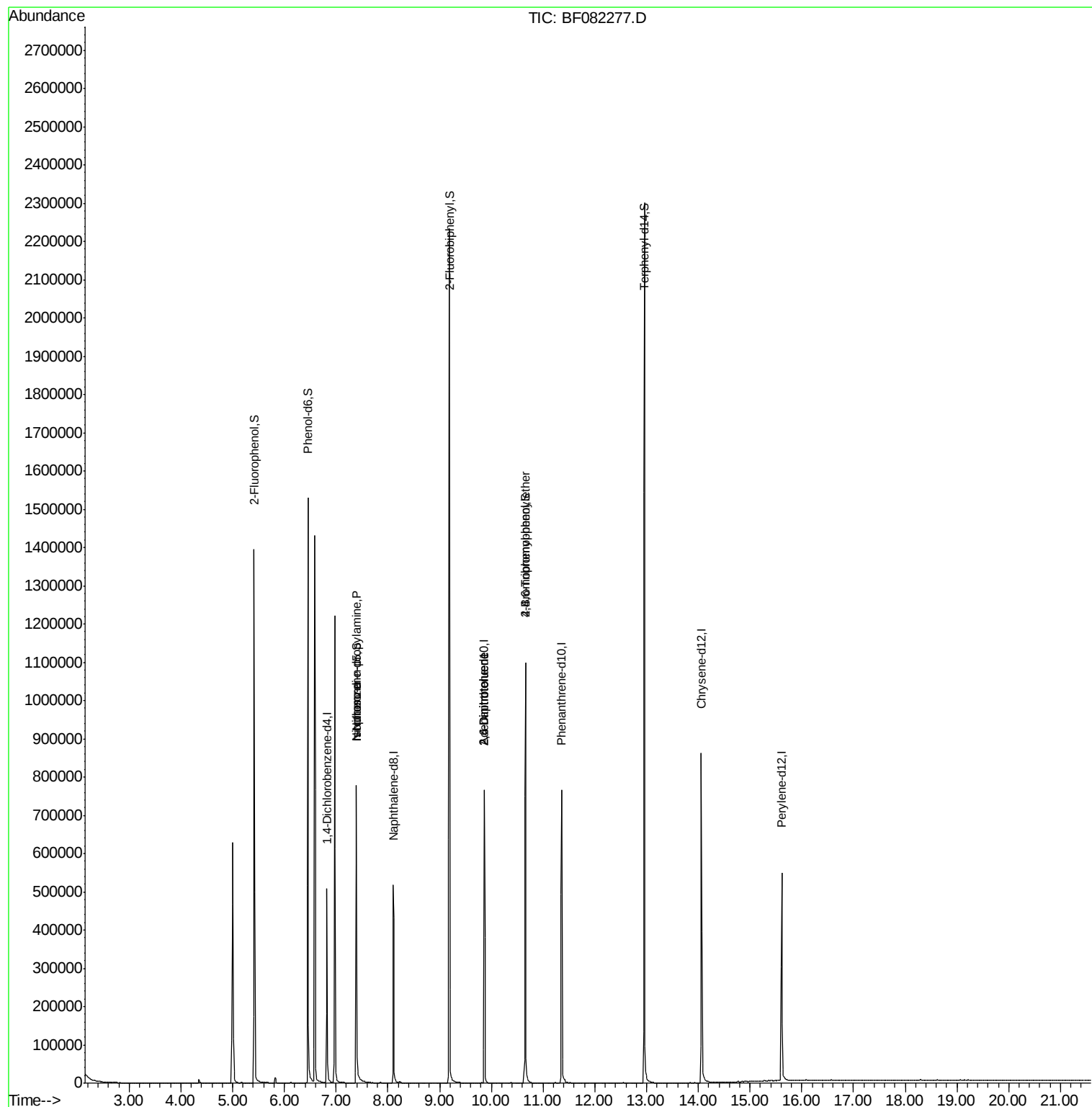
Quant Time: Oct 15 01:44:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 01:42:16 2015
 Response via : Initial Calibration

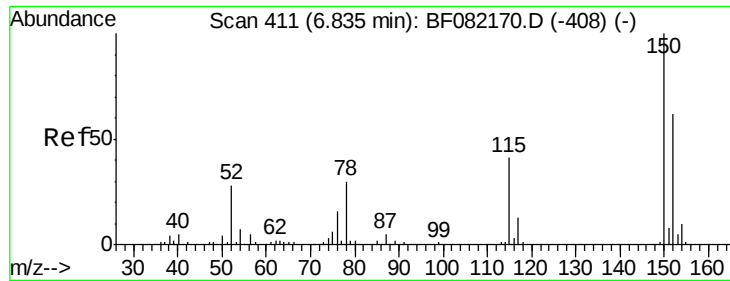
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	96043	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	376341	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	190613	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	418899	20.00	ng	0.00
75) Chrysene-d12	14.06	240	405776	20.00	ng	-0.07
86) Perylene-d12	15.61	264	295401	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	431628	90.70	ng	0.01
7) Phenol-d6	6.46	99	582898	94.13	ng	-0.01
23) Nitrobenzene-d5	7.39	82	380916	67.97	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	189302	105.90	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	779827	67.85	ng	-0.01
78) Terphenyl-d14	12.96	244	1012971	66.15	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	48271	11.10	ng	# 76
25) Isophorone	7.39	82	360742	31.89	ng	# 66
50) 2,6-Dinitrotoluene	9.86	165	23953	8.46	ng	# 31
56) 2,4-Dinitrotoluene	9.86	165	23955	6.77	ng	# 22
66) 4-Bromophenyl-phenylether	10.66	248	12847	3.06	ng	# 1

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

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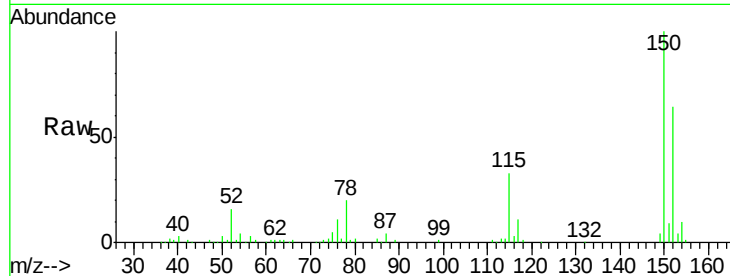


#1

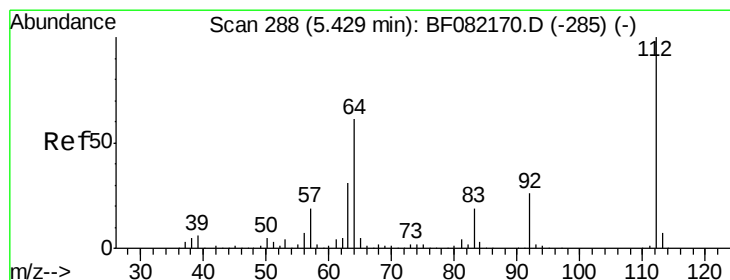
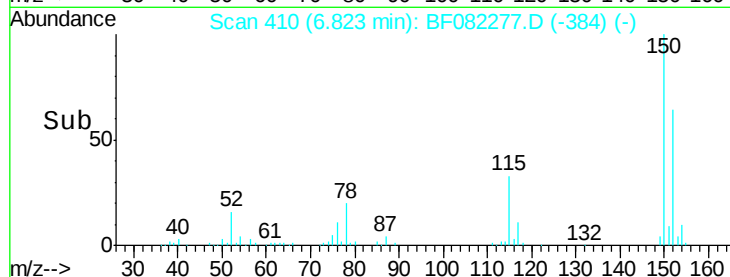
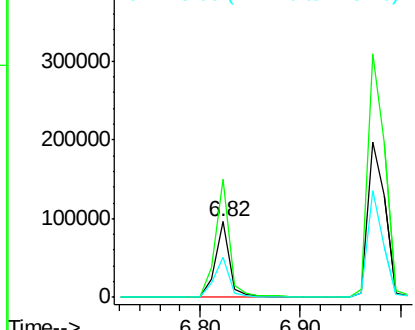
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF082277.D
Acq: 14 Oct 2015 14:04

Instrument :
BNA_F
ClientSampleId :
PB86108BL

Tot Ion:152 Resp: 96043
Ion Ratio Lower Upper
152 100
150 157.0 129.0 193.4
115 52.6 52.1 78.1



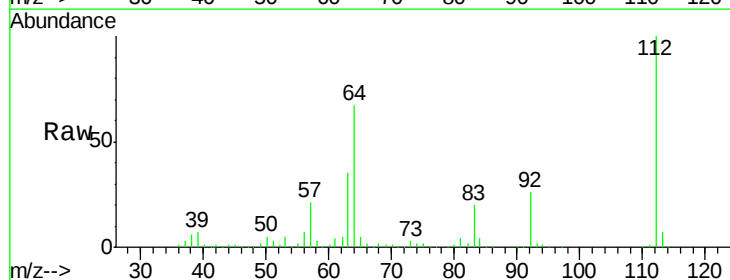
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



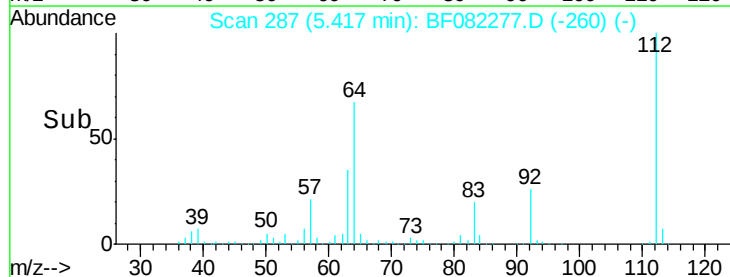
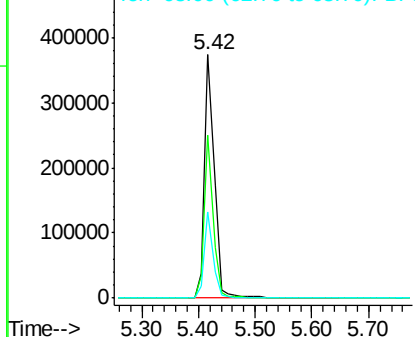
#5

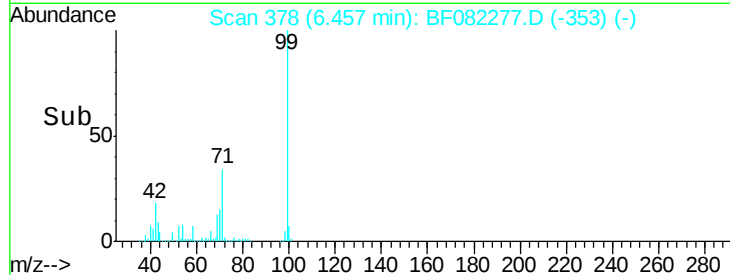
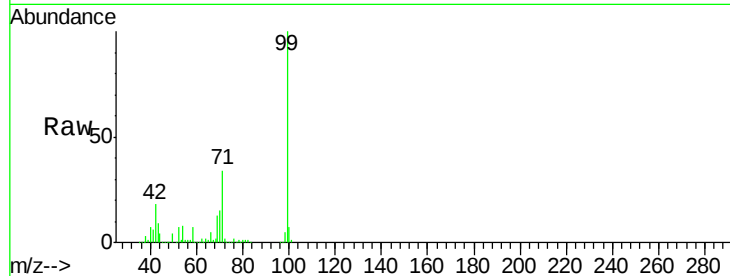
2-Fluorophenol
Concen: 90.70 ng
RT: 5.42 min Scan# 287
Delta R.T. 0.01 min
Lab File: BF082277.D
Acq: 14 Oct 2015 14:04

Tgt Ion:112 Resp: 431628
Ion Ratio Lower Upper
112 100
64 66.8 48.6 73.0
63 35.2 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: 94.13 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082277.D

Acq: 14 Oct 2015 14:04

Instrument :

BNA_F

ClientSampleId :

PB86108BL

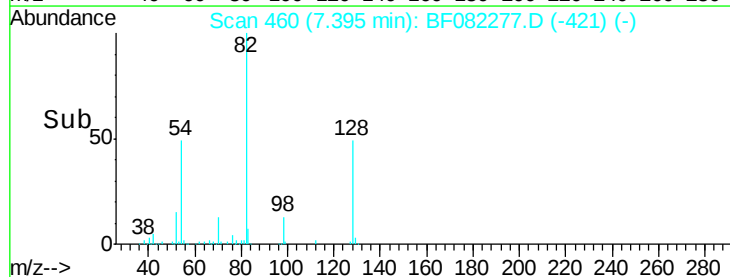
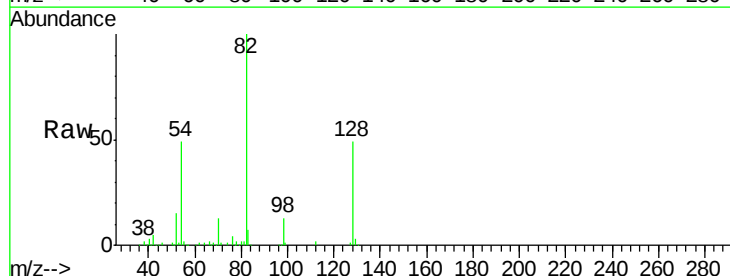
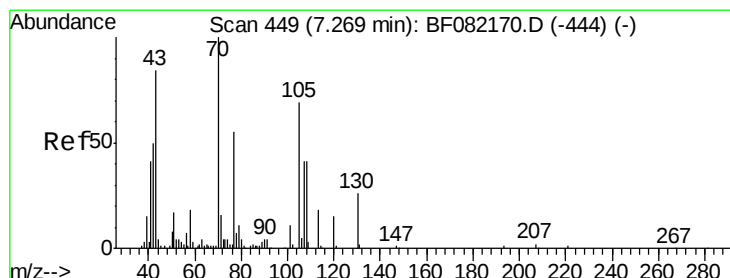
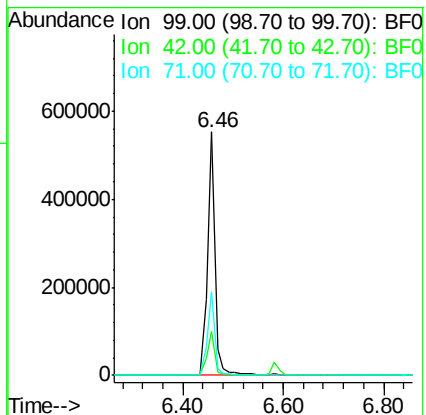
Tot Ion: 99 Resp: 582898

Ion Ratio Lower Upper

99 100

42 18.1 13.2 19.8

71 34.4 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.10 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.15 min

Lab File: BF082277.D

Acq: 14 Oct 2015 14:04

Tgt Ion: 70 Resp: 48271

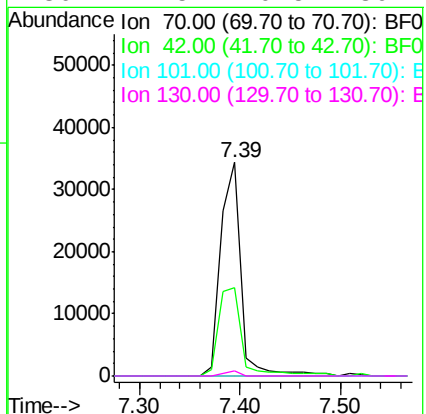
Ion Ratio Lower Upper

70 100

42 41.1 39.8 59.8

101 0.0 8.6 13.0#

130 2.5 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF082277.D

Acq: 14 Oct 2015 14:04

Instrument :

BNA_F

ClientSampleId :

PB86108BL

Tot Ion:136 Resp: 376341

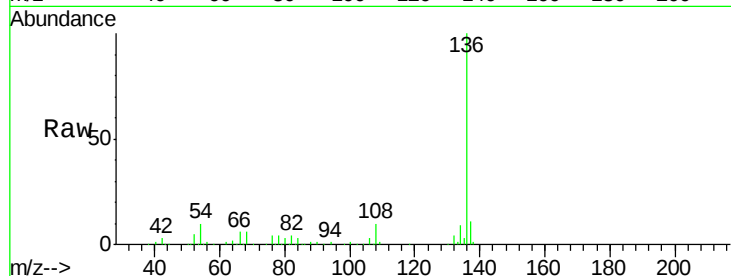
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 10.1 7.5 11.3

68 6.2 4.6 7.0

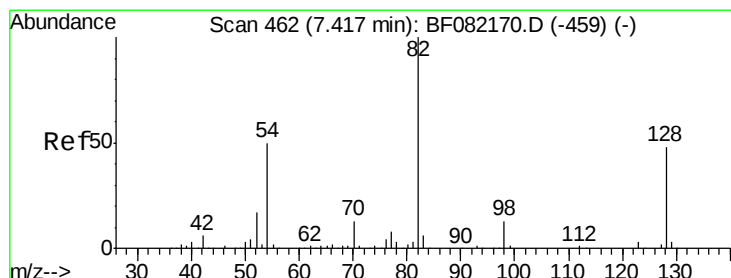
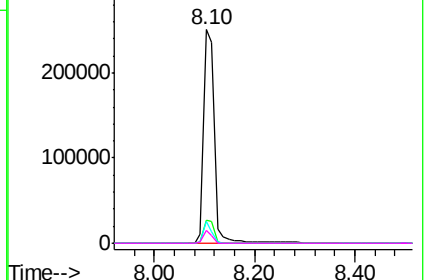
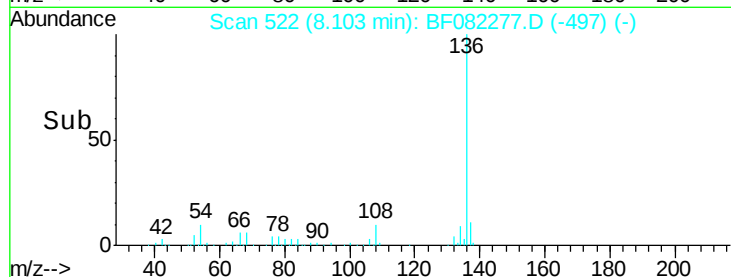


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.97 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF082277.D

Acq: 14 Oct 2015 14:04

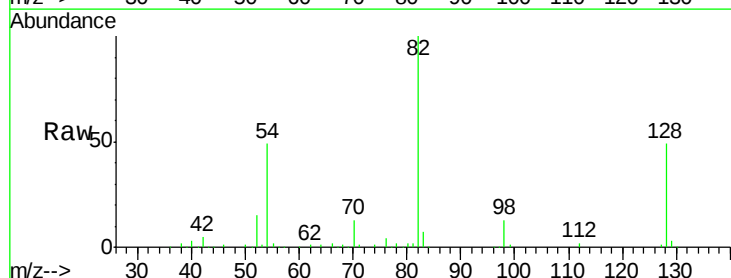
Tgt Ion: 82 Resp: 380916

Ion Ratio Lower Upper

82 100

128 49.4 38.7 58.1

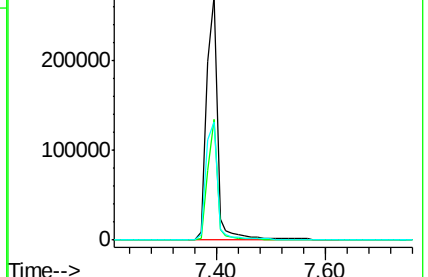
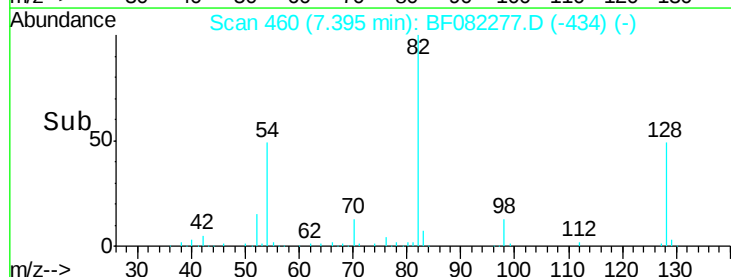
54 48.7 40.1 60.1

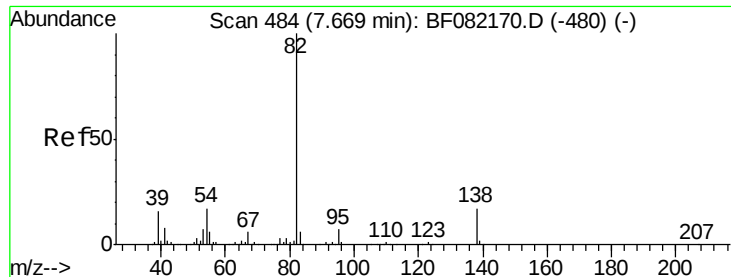


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.89 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.26 min

Lab File: BF082277.D

Acq: 14 Oct 2015 14:04

Instrument :

BNA_F

ClientSampleId :

PB86108BL

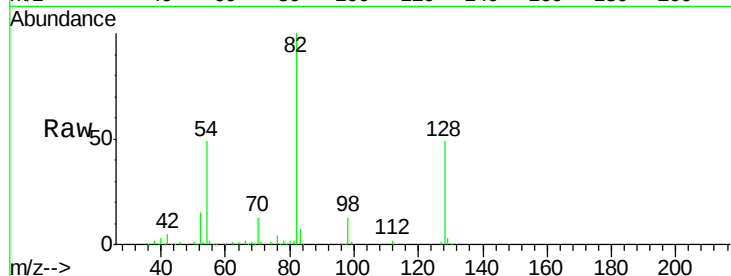
Tot Ion: 82 Resp: 360742

Ion Ratio Lower Upper

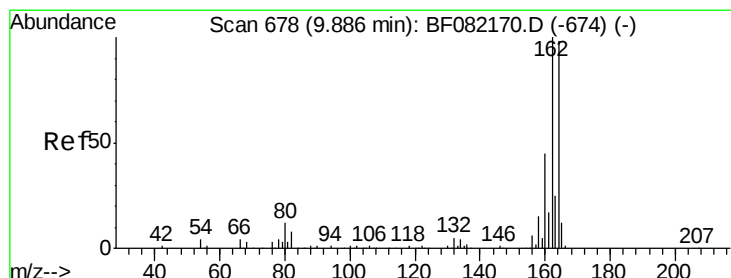
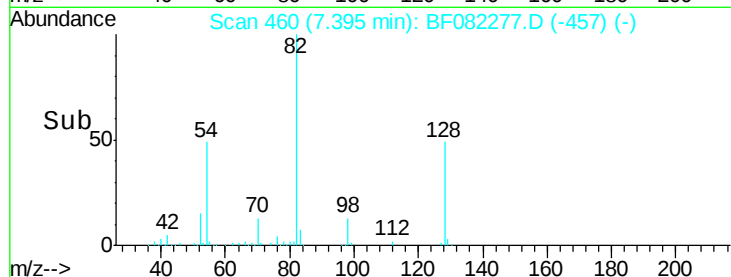
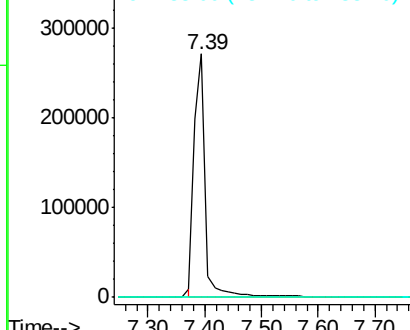
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF082277.D

Acq: 14 Oct 2015 14:04

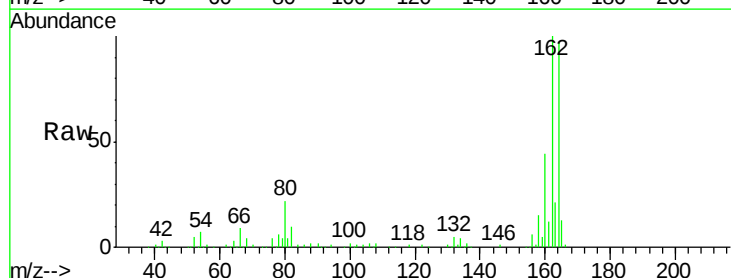
Tgt Ion: 164 Resp: 190613

Ion Ratio Lower Upper

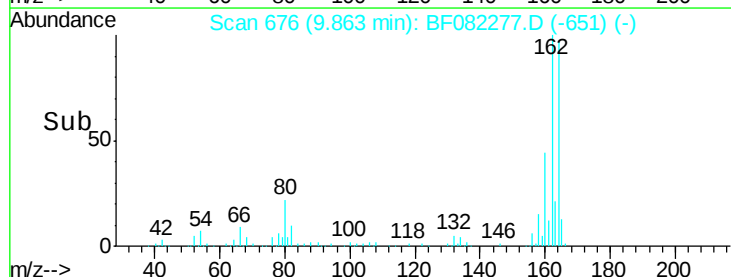
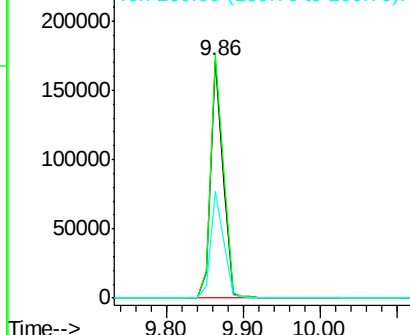
164 100

162 102.7 81.6 122.4

160 44.8 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

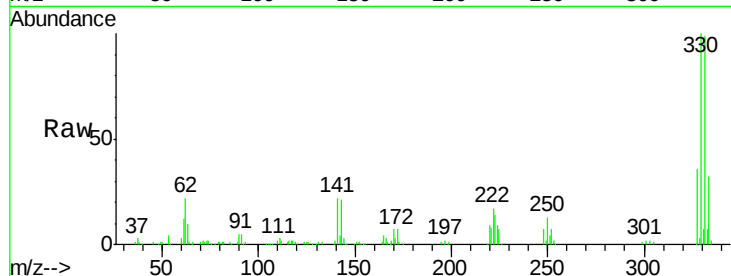




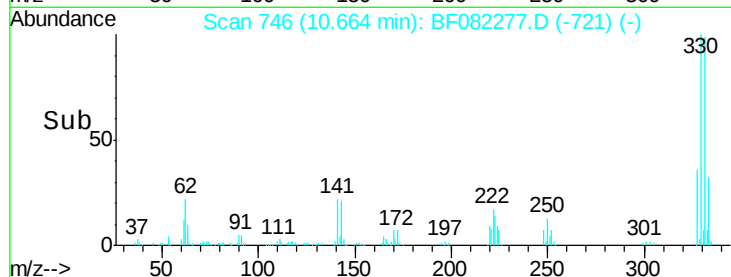
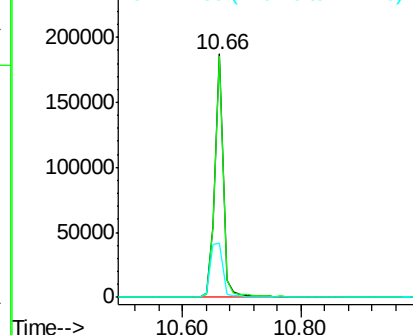
#41
 2,4,6-Tribromophenol
 Concen: 105.90 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082277.D
 Acq: 14 Oct 2015 14:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.1	115.7
141	33.7	29.8	44.8

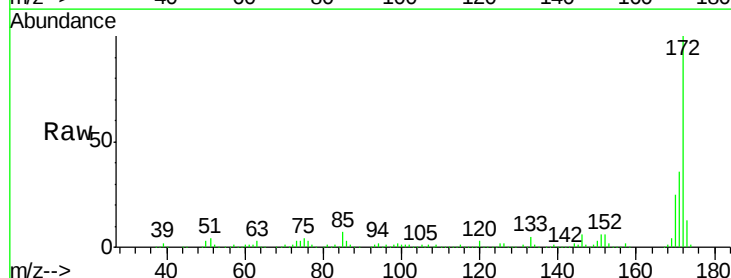


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

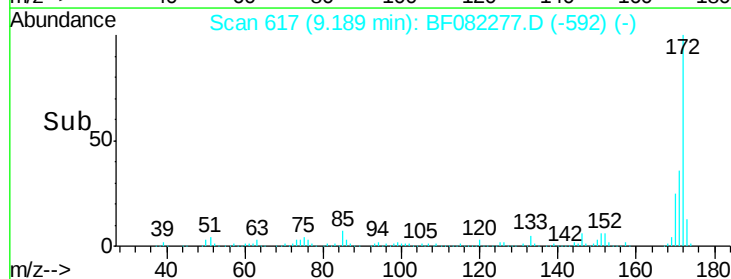
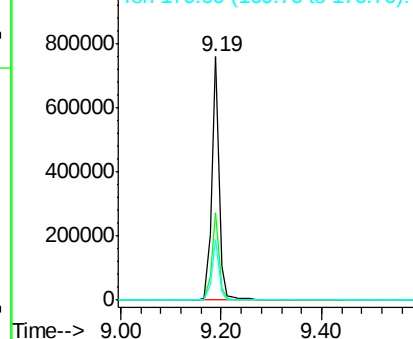


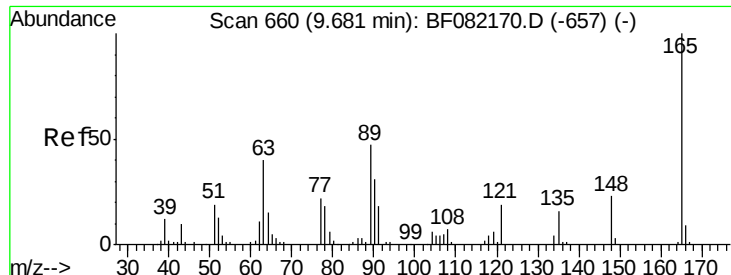
#44
 2-Fluorobiphenyl
 Concen: 67.85 ng
 RT: 9.19 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF082277.D
 Acq: 14 Oct 2015 14:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	24.7	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

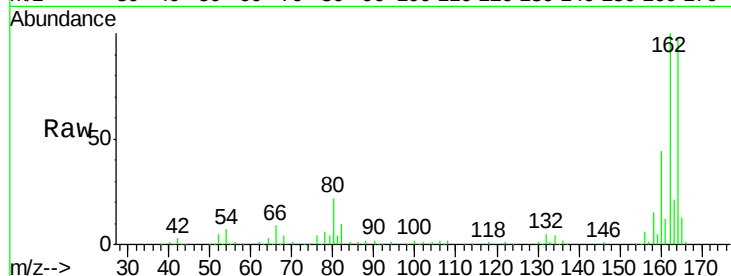




#50
 2,6-Dinitrotoluene
 Concen: 8.46 ng
 RT: 9.86 min Scan# 676
 Delta R.T. 0.19 min
 Lab File: BF082277.D
 Acq: 14 Oct 2015 14:04

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BL

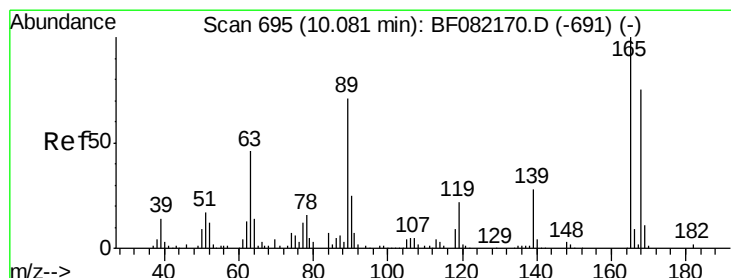
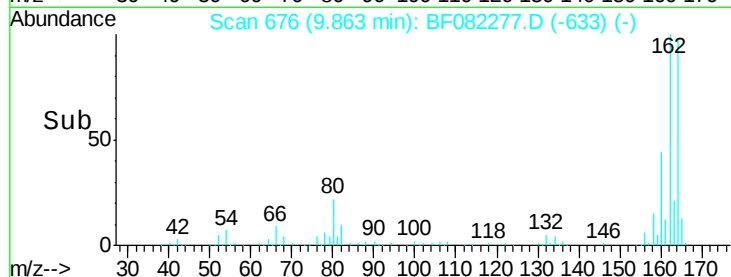
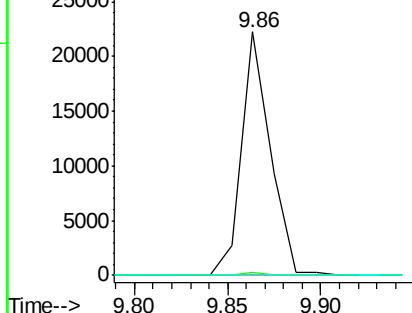
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.7	55.1#
89	0.0	37.8	56.6#



Abundance Ion 165.00 (164.70 to 165.70): E

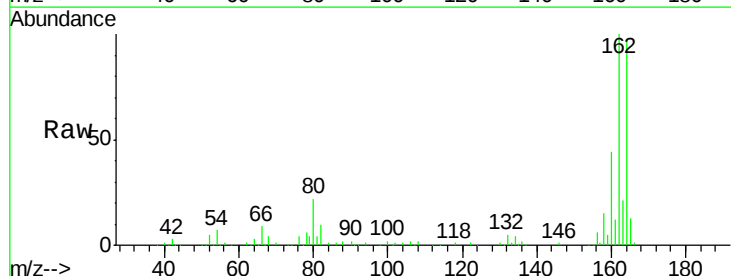
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.77 ng
 RT: 9.86 min Scan# 676
 Delta R.T. -0.21 min
 Lab File: BF082277.D
 Acq: 14 Oct 2015 14:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	38.6	58.0#
89	0.0	57.0	85.6#
182	0.0	1.8	2.6#

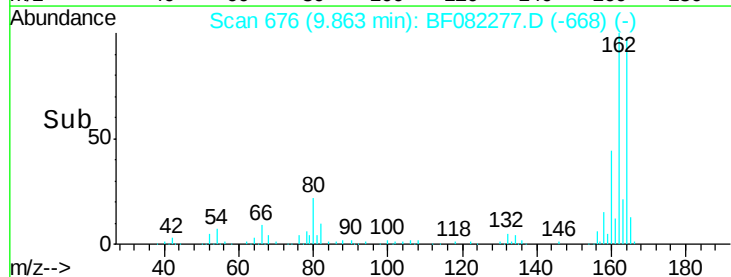
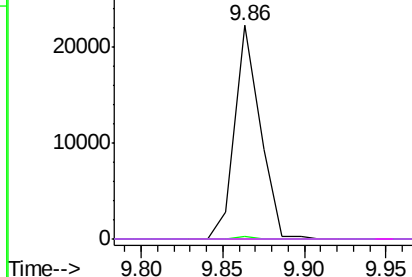


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. 0.00 min

Lab File: BF082277.D

Acq: 14 Oct 2015 14:04

Instrument :

BNA_F

ClientSampleId :

PB86108BL

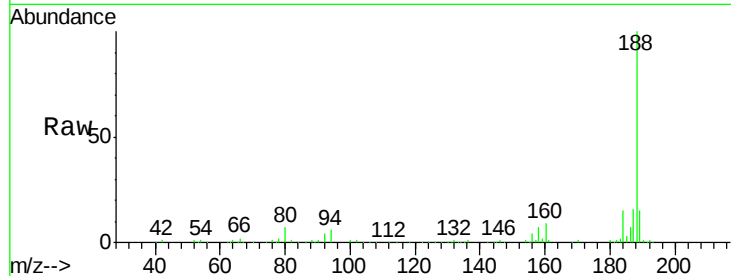
Tot Ion:188 Resp: 418899

Ion Ratio Lower Upper

188 100

94 6.4 5.8 8.6

80 6.7 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

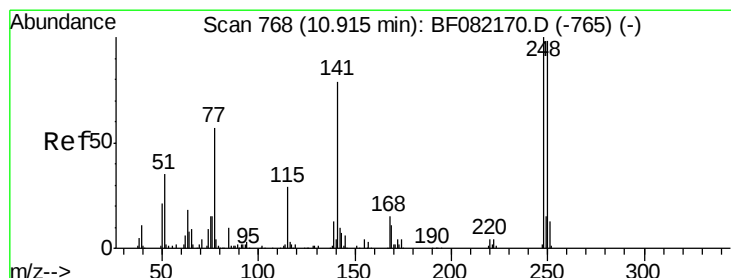
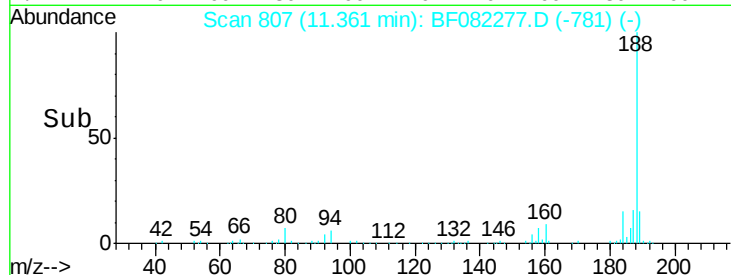
300000

200000

100000

0

Time--> 11.20 11.40 11.60



#66

4-Bromophenyl-phenylether

Concen: 3.06 ng

RT: 10.66 min Scan# 746

Delta R.T. -0.24 min

Lab File: BF082277.D

Acq: 14 Oct 2015 14:04

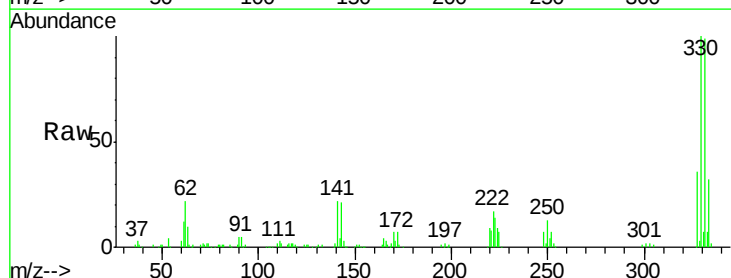
Tgt Ion:248 Resp: 12847

Ion Ratio Lower Upper

248 100

250 194.0 78.6 117.8#

141 331.1 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

50000

40000

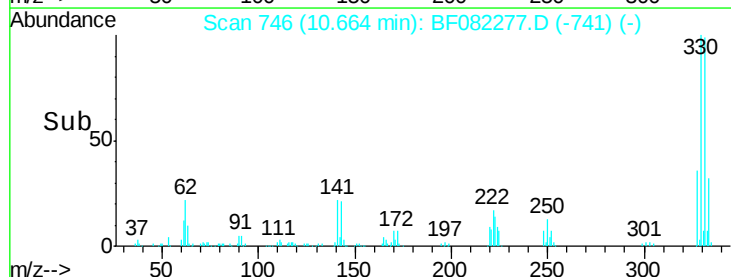
30000

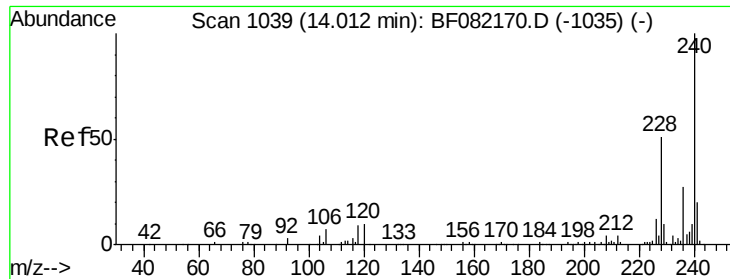
20000

10000

0

Time--> 10.60 10.65 10.70





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.07 min

Lab File: BF082277.D

Acq: 14 Oct 2015 14:04

Instrument :

BNA_F

ClientSampleId :

PB86108BL

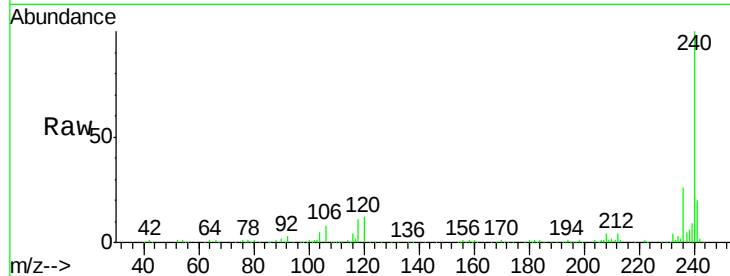
Tot Ion:240 Resp: 405776

Ion Ratio Lower Upper

240 100

120 11.8 8.1 12.1

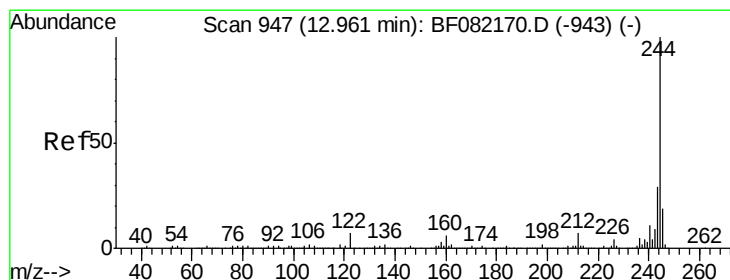
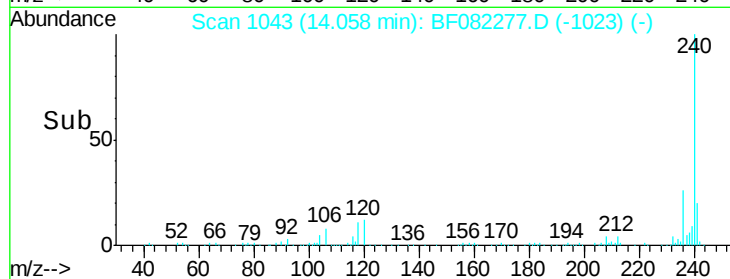
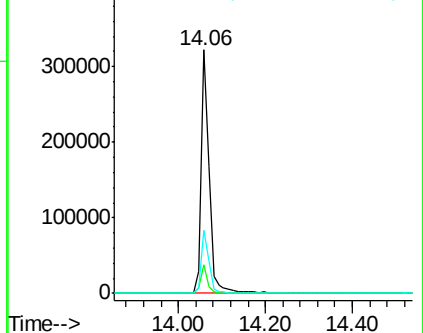
236 25.7 21.3 31.9



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: 66.15 ng

RT: 12.96 min Scan# 947

Delta R.T. -0.02 min

Lab File: BF082277.D

Acq: 14 Oct 2015 14:04

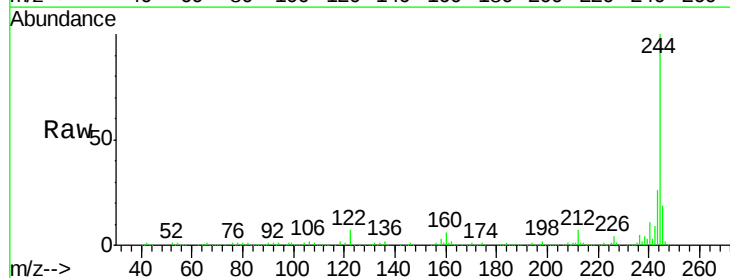
Tgt Ion:244 Resp: 1012971

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

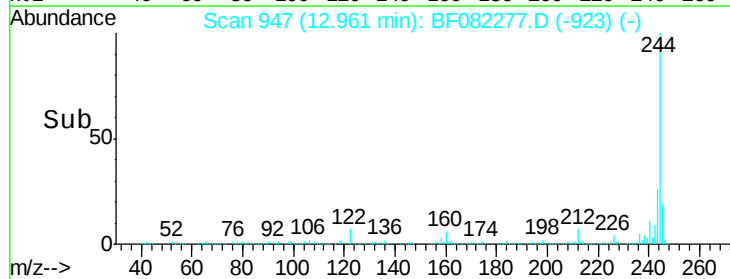
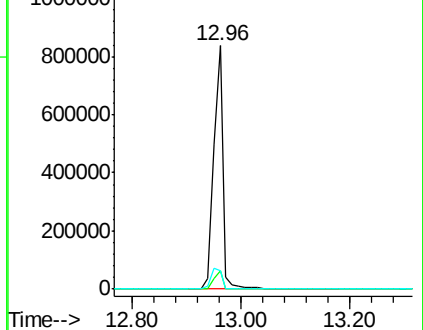
122 7.5 5.9 8.9

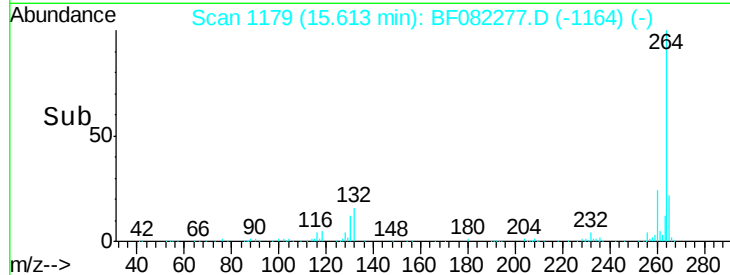
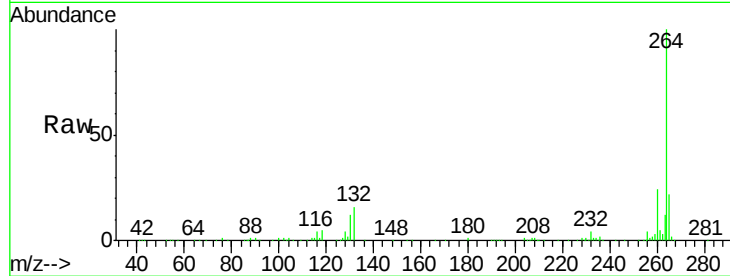
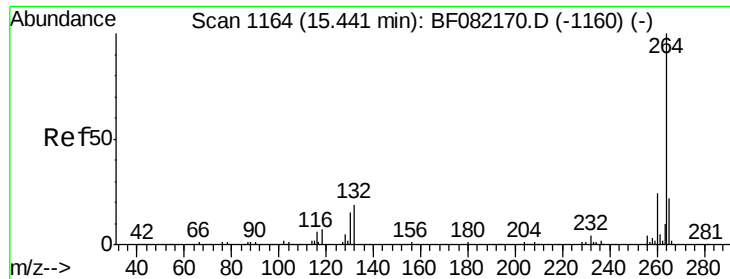


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1179
Delta R.T. -0.13 min
Lab File: BF082277.D
Acq: 14 Oct 2015 14:04

Instrument :
BNA_F
ClientSampleId :
PB86108BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	22.0	17.3	25.9

