

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082321.D
 Acq On : 16 Oct 2015 12:49
 Operator : UM/IZ
 Sample : PB86109BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BL

Quant Time: Oct 17 01:10:47 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

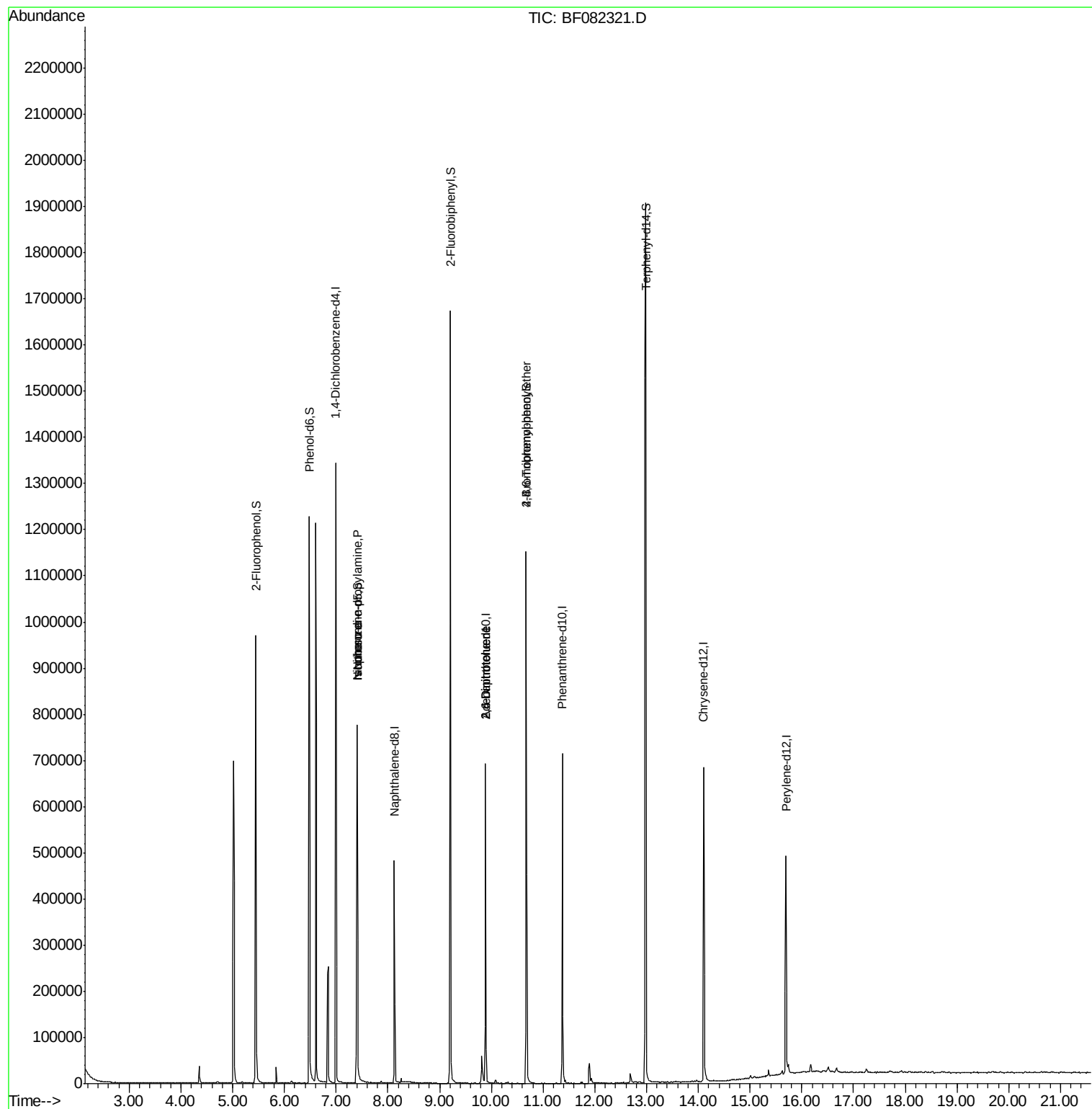
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	204513	20.00	ng	0.16
21) Naphthalene-d8	8.13	136	245655	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	137450	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	280930	20.00	ng	0.00
75) Chrysene-d12	14.10	240	295541	20.00	ng	0.03
86) Perylene-d12	15.69	264	243052	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	416818	41.13	ng	0.02
7) Phenol-d6	6.48	99	488182	37.02	ng	0.00
23) Nitrobenzene-d5	7.41	82	301748	82.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	160154	124.24	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	703535	84.88	ng	0.00
78) Terphenyl-d14	12.98	244	896505	80.38	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	38074	4.11	ng	# 82
25) Isophorone	7.41	82	279494	37.86	ng	# 66
50) 2,6-Dinitrotoluene	9.89	165	17514	8.58	ng	# 30
56) 2,4-Dinitrotoluene	9.89	165	17514	6.86	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	10671	3.80	ng	# 1

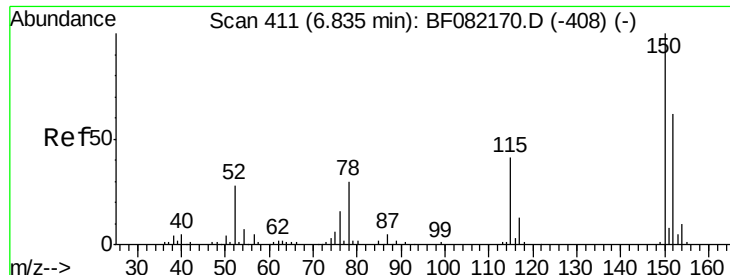
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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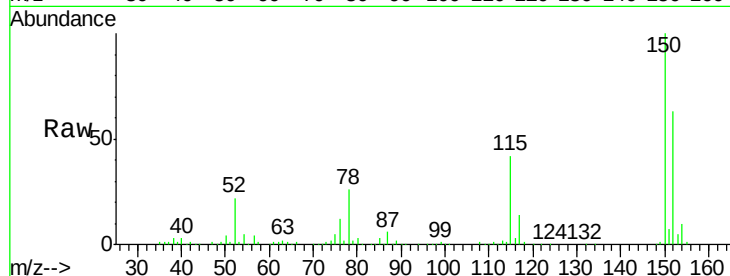


#1

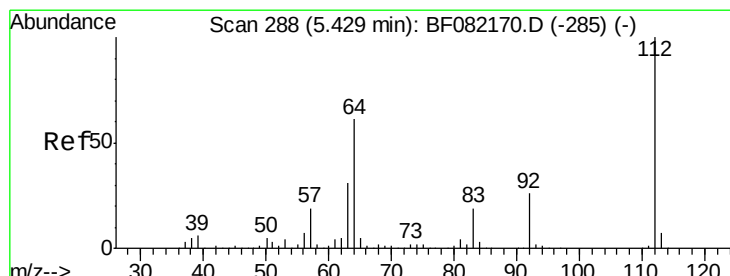
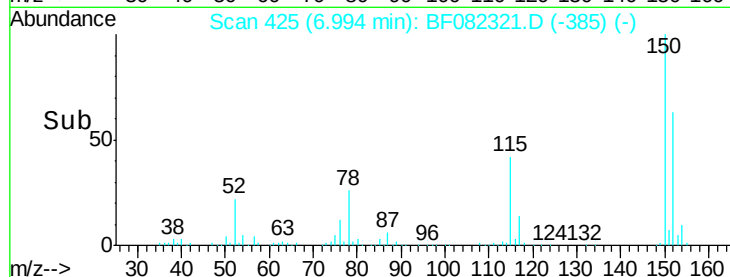
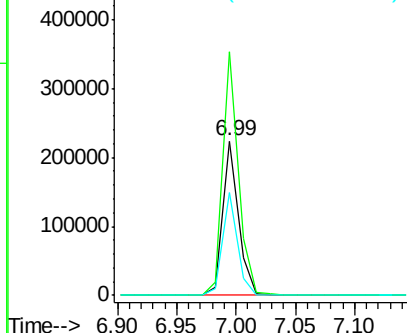
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.99 min Scan# 425
Delta R.T. 0.16 min
Lab File: BF082321.D
Acq: 16 Oct 2015 12:49

Instrument :
BNA_F
ClientSampleId :
PB86109BL

Tot Ion:152 Resp: 204513
Ion Ratio Lower Upper
152 100
150 157.5 129.0 193.4
115 66.3 52.1 78.1



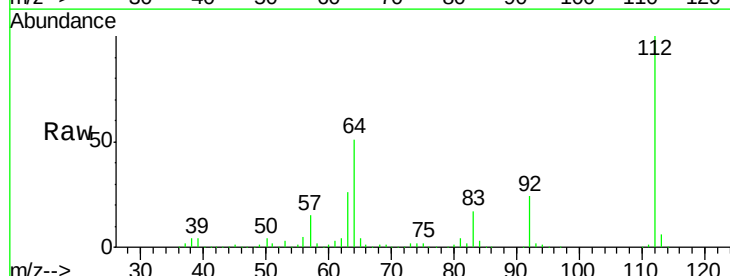
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



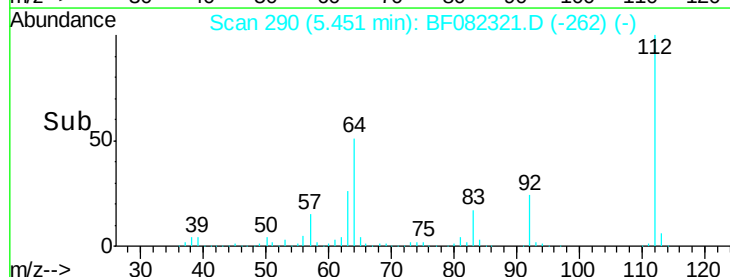
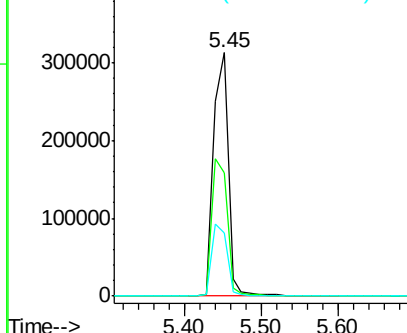
#5

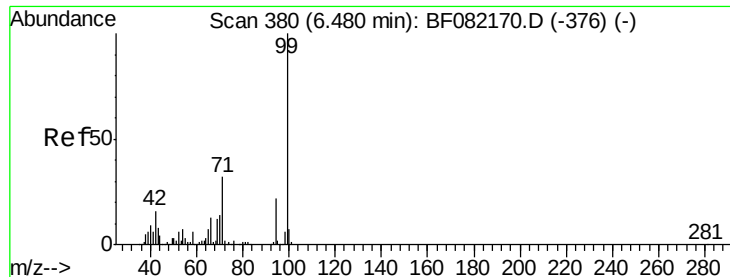
2-Fluorophenol
Concen: 41.13 ng
RT: 5.45 min Scan# 290
Delta R.T. 0.02 min
Lab File: BF082321.D
Acq: 16 Oct 2015 12:49

Tgt Ion:112 Resp: 416818
Ion Ratio Lower Upper
112 100
64 50.9 48.6 73.0
63 26.2 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: 37.02 ng

RT: 6.48 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF082321.D

Acq: 16 Oct 2015 12:49

Instrument :

BNA_F

ClientSampleId :

PB86109BL

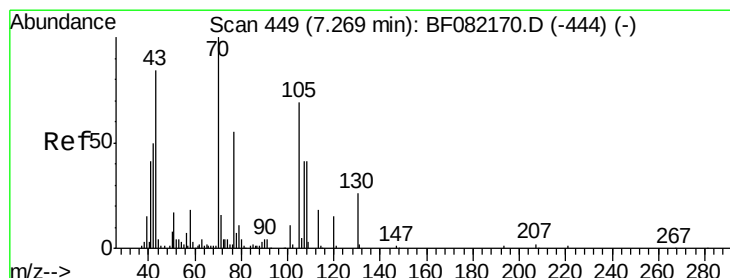
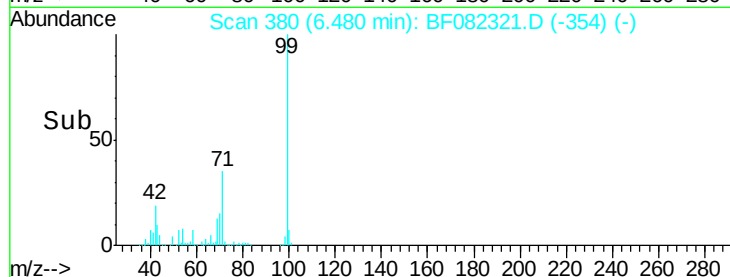
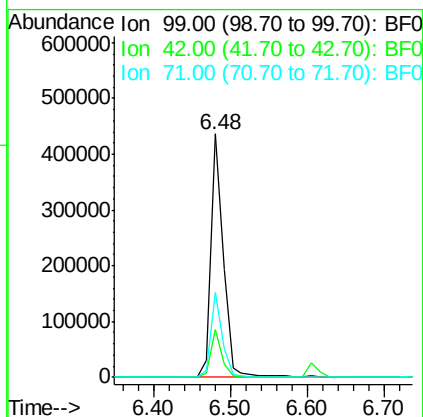
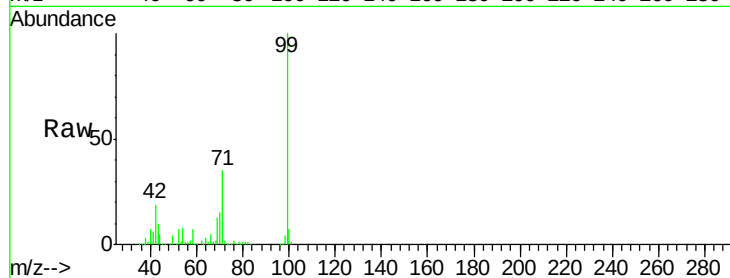
Tot Ion: 99 Resp: 488182

Ion Ratio Lower Upper

99 100

42 19.4 13.2 19.8

71 34.9 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.11 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.15 min

Lab File: BF082321.D

Acq: 16 Oct 2015 12:49

Tgt Ion: 70 Resp: 38074

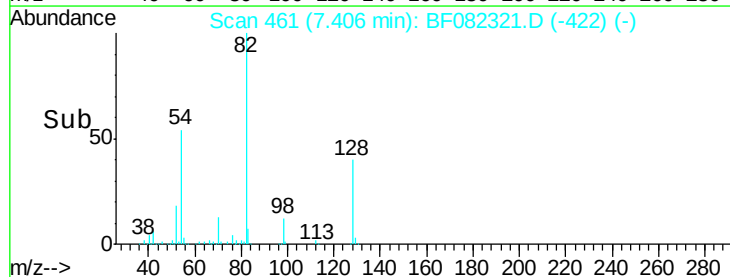
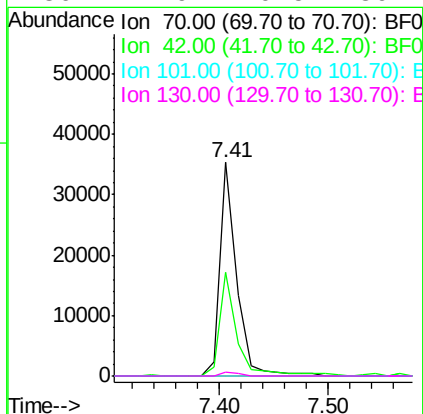
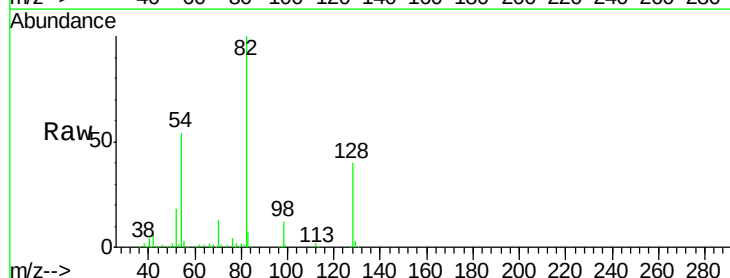
Ion Ratio Lower Upper

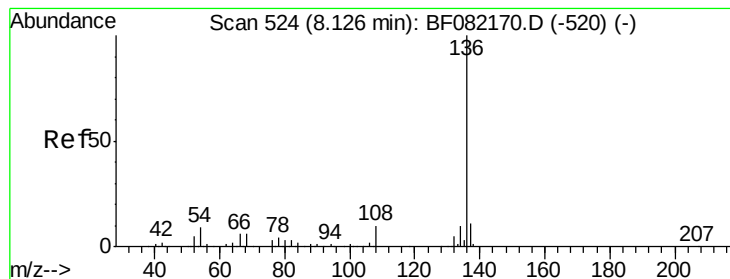
70 100

42 48.7 39.8 59.8

101 0.0 8.6 13.0#

130 1.9 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 524

Delta R.T. -0.00 min

Lab File: BF082321.D

Acq: 16 Oct 2015 12:49

Instrument :

BNA_F

ClientSampleId :

PB86109BL

Tot Ion:136 Resp: 245655

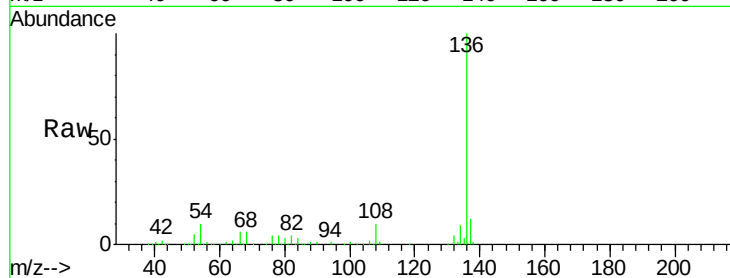
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 9.7 7.5 11.3

68 6.0 4.6 7.0

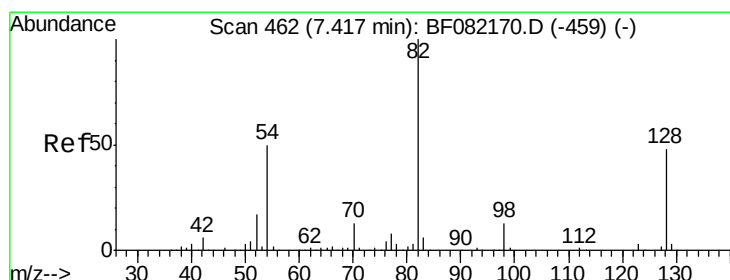
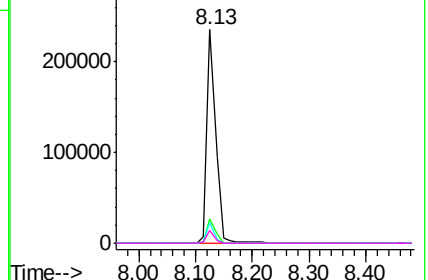
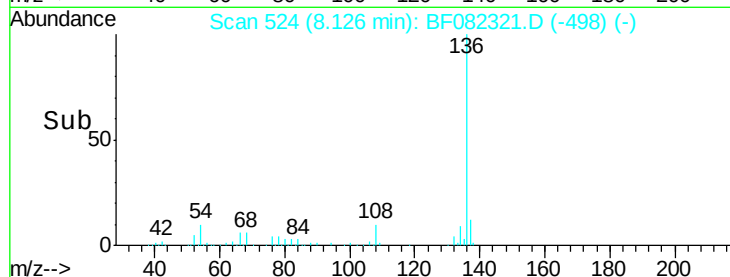


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.49 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF082321.D

Acq: 16 Oct 2015 12:49

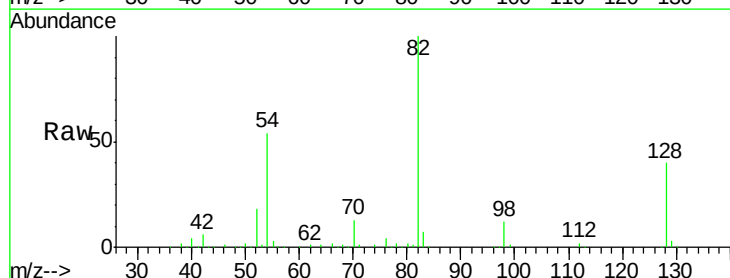
Tgt Ion: 82 Resp: 301748

Ion Ratio Lower Upper

82 100

128 40.5 38.7 58.1

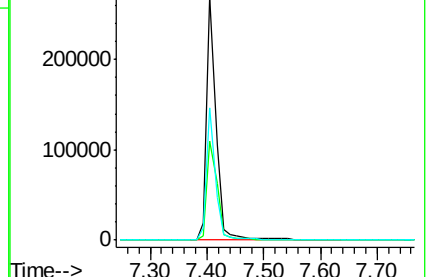
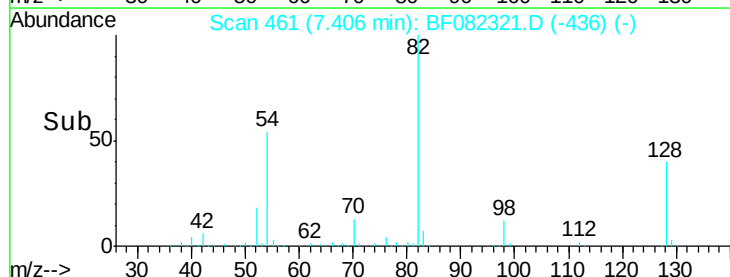
54 54.2 40.1 60.1

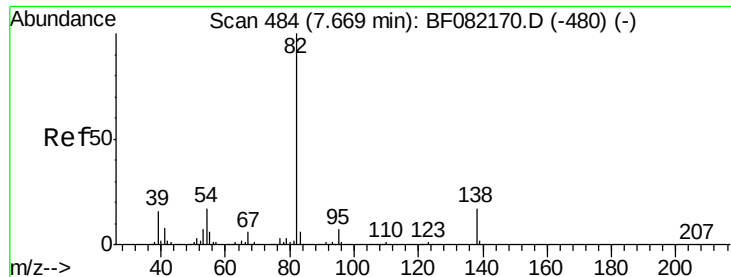


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.86 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.26 min

Lab File: BF082321.D

Acq: 16 Oct 2015 12:49

Instrument :

BNA_F

ClientSampleId :

PB86109BL

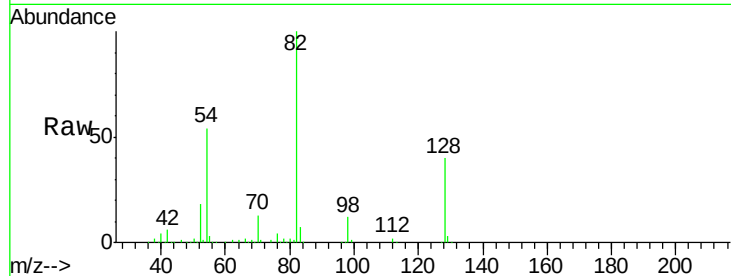
Tot Ion: 82 Resp: 279494

Ion Ratio Lower Upper

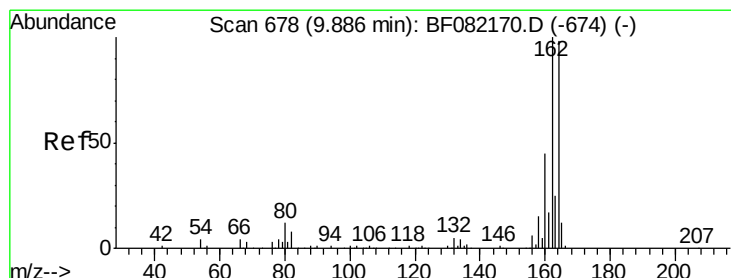
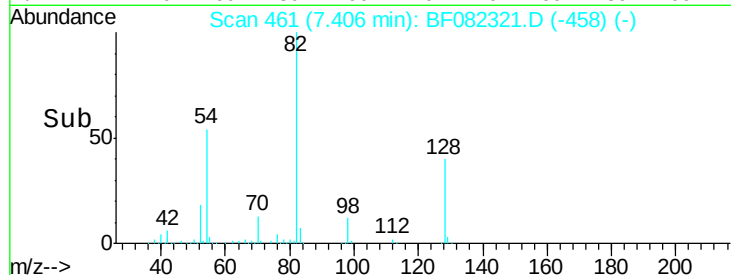
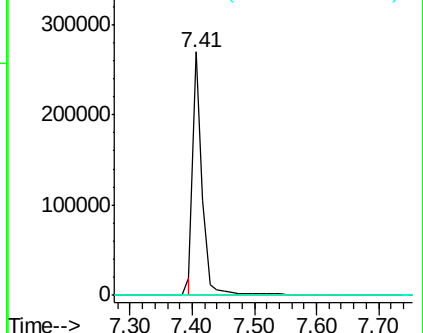
82 100

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: 9.89 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF082321.D

Acq: 16 Oct 2015 12:49

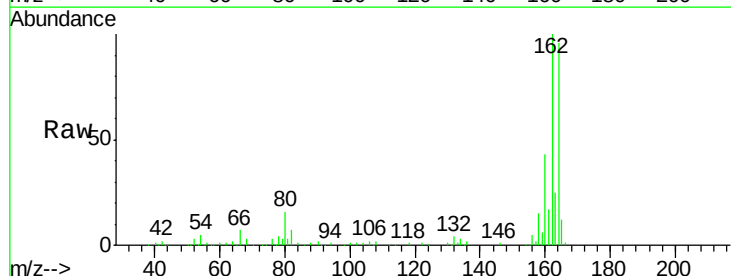
Tgt Ion:164 Resp: 137450

Ion Ratio Lower Upper

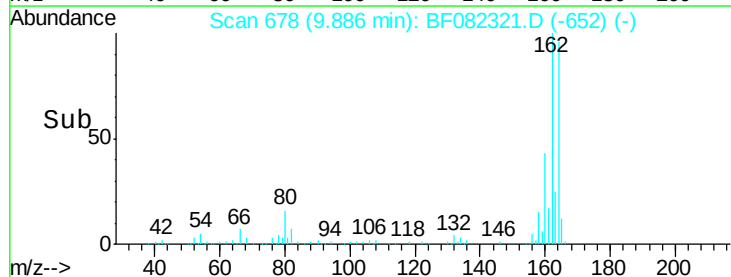
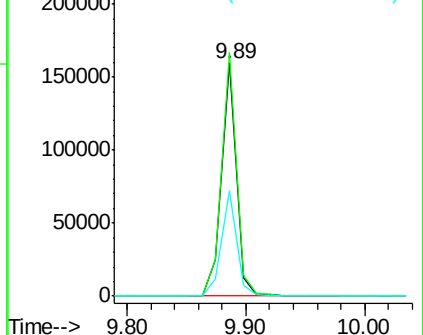
164 100

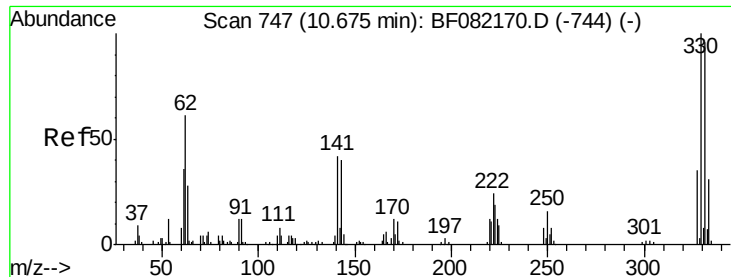
162 104.5 81.6 122.4

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

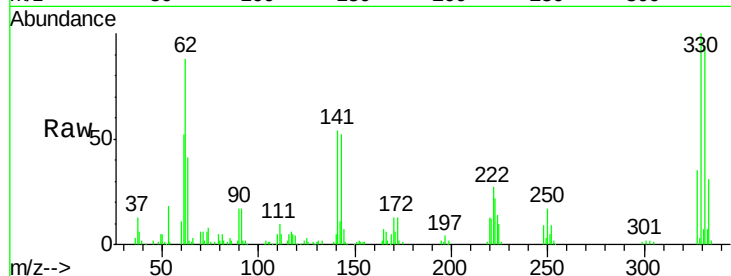




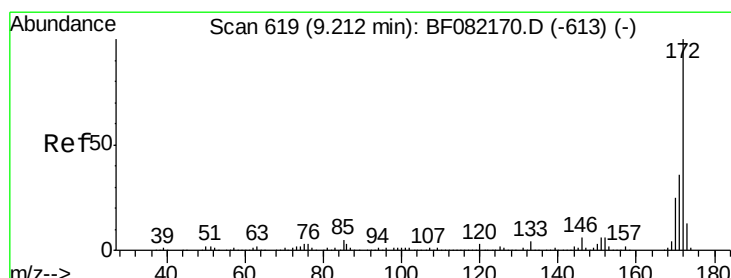
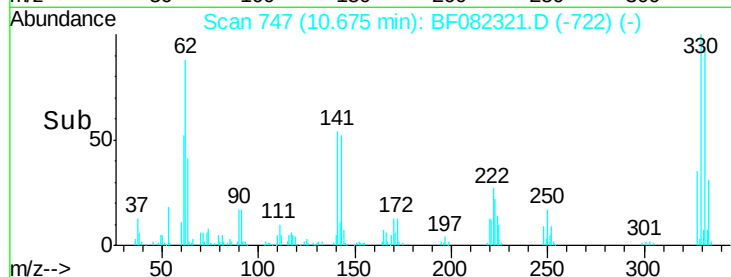
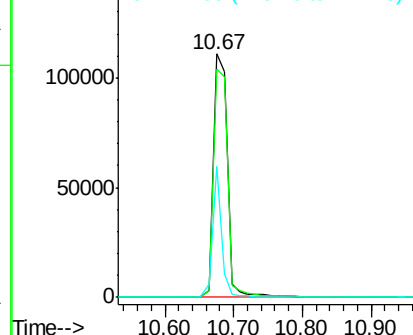
#41
 2,4,6-Tribromophenol
 Concen: 124.24 ng
 RT: 10.67 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF082321.D
 Acq: 16 Oct 2015 12:49

Instrument :
 BNA_F
 ClientSampled :
 PB86109BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	34.4	29.8	44.8

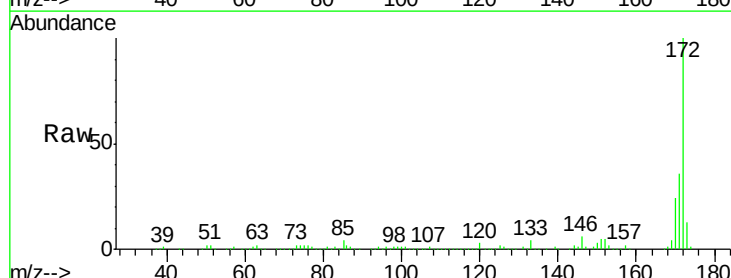


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

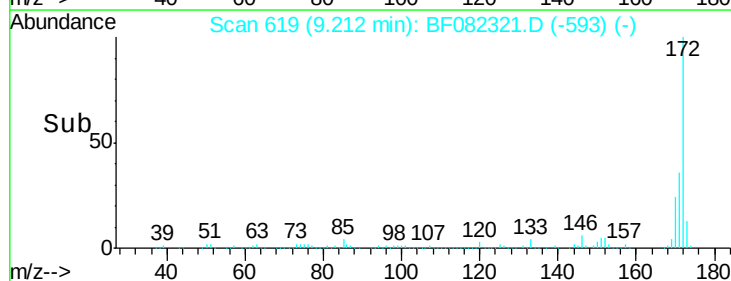
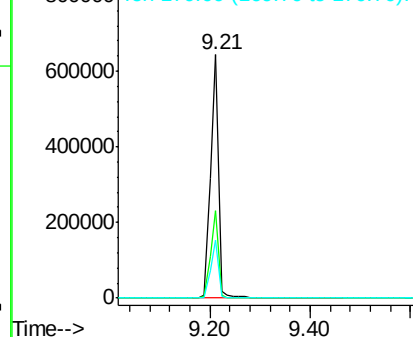


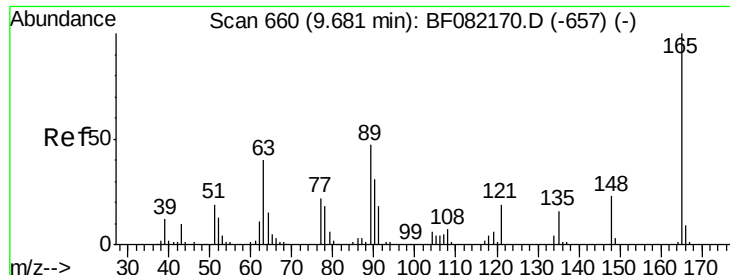
#44
 2-Fluorobiphenyl
 Concen: 84.88 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: BF082321.D
 Acq: 16 Oct 2015 12:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.8	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: 8.58 ng

RT: 9.89 min Scan# 678

Delta R.T. 0.21 min

Lab File: BF082321.D

Acq: 16 Oct 2015 12:49

Instrument :

BNA_F

ClientSampleId :

PB86109BL

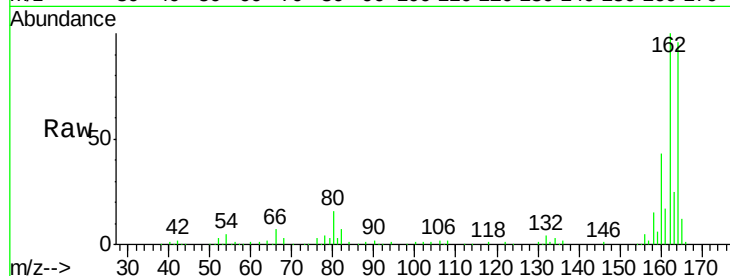
Tot Ion:165 Resp: 17514

Ion Ratio Lower Upper

165 100

63 0.0 36.7 55.1#

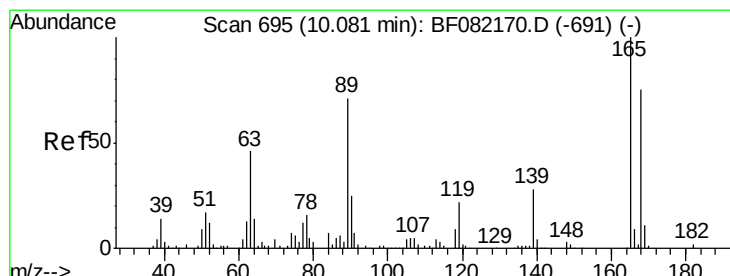
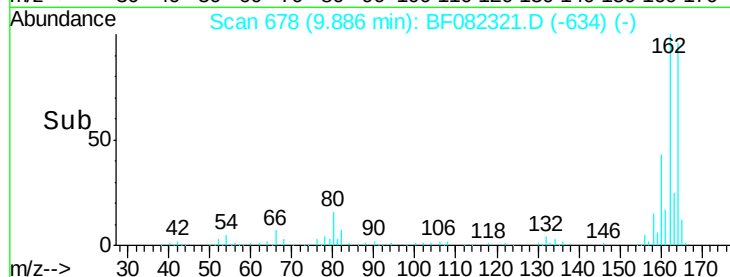
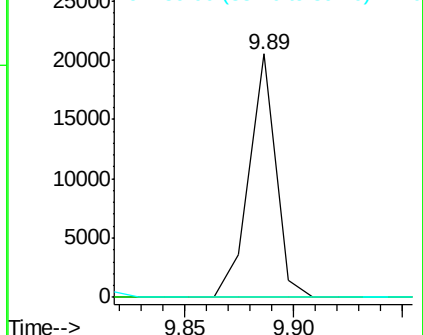
89 0.0 37.8 56.6#



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: 6.86 ng

RT: 9.89 min Scan# 678

Delta R.T. -0.19 min

Lab File: BF082321.D

Acq: 16 Oct 2015 12:49

Tgt Ion:165 Resp: 17514

Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 0.0 57.0 85.6#

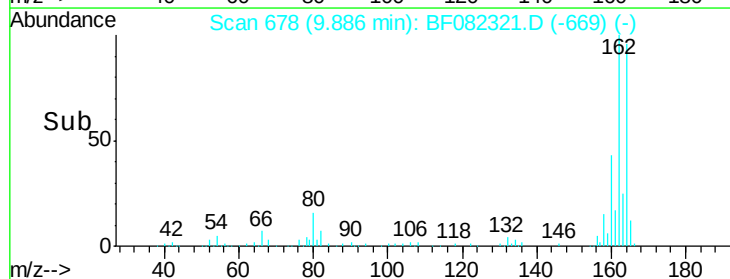
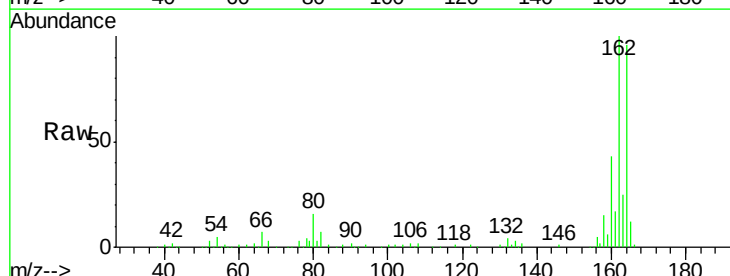
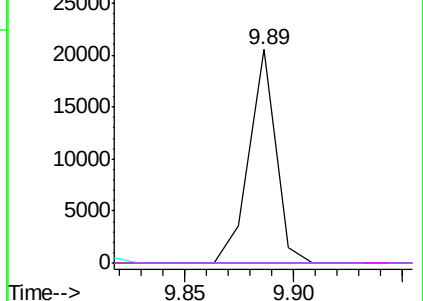
182 0.0 1.8 2.6#

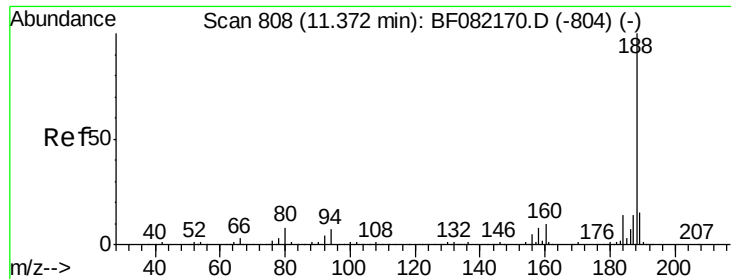
Abundance Ion 165.00 (164.70 to 165.70): E

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

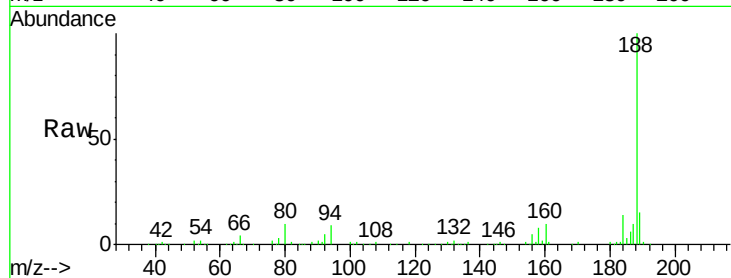




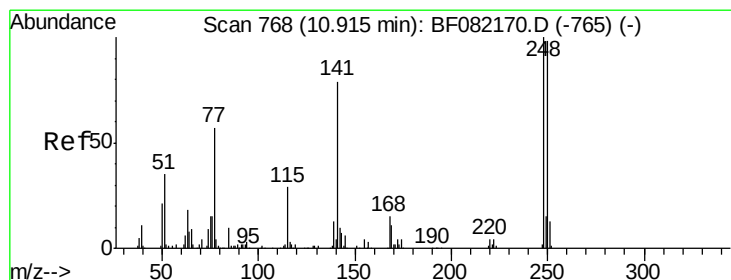
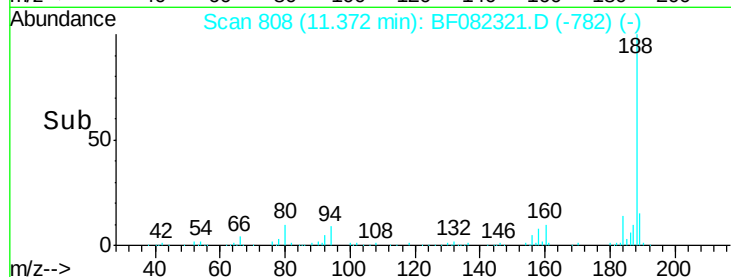
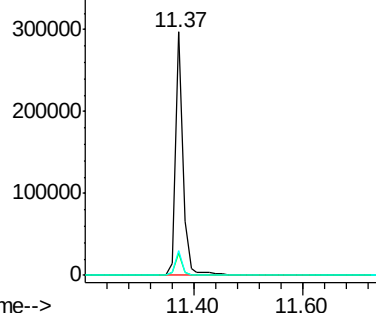
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF082321.D
Acq: 16 Oct 2015 12:49

Instrument :
BNA_F
ClientSampleId :
PB86109BL

Tot Ion:188 Resp: 280930
Ion Ratio Lower Upper
188 100
94 9.0 5.8 8.6#
80 10.1 6.4 9.6#

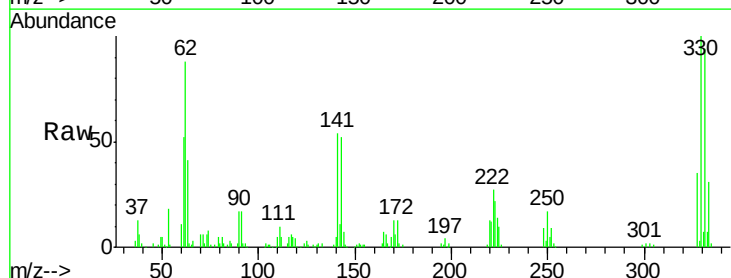


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

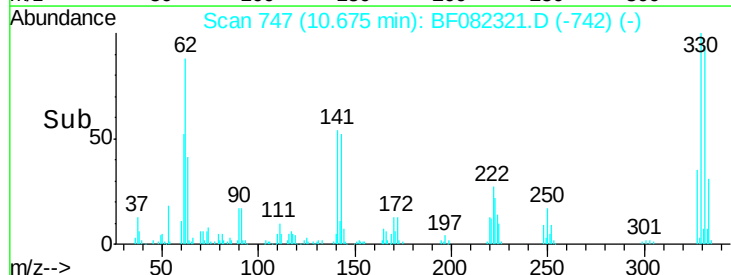
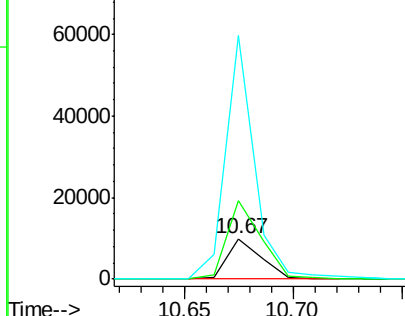


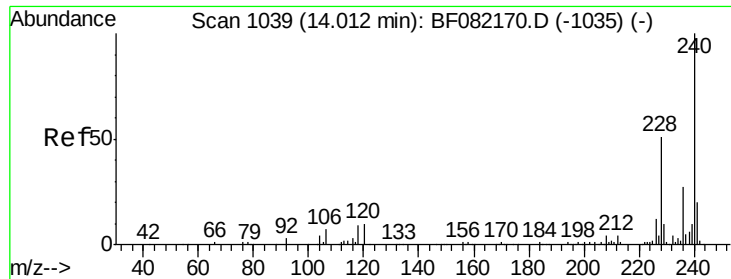
#66
4-Bromophenyl-phenylether
Concen: 3.80 ng
RT: 10.67 min Scan# 747
Delta R.T. -0.24 min
Lab File: BF082321.D
Acq: 16 Oct 2015 12:49

Tgt Ion:248 Resp: 10671
Ion Ratio Lower Upper
248 100
250 193.7 78.6 117.8#
141 603.7 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1047

Delta R.T. 0.03 min

Lab File: BF082321.D

Acq: 16 Oct 2015 12:49

Instrument :

BNA_F

ClientSampleId :

PB86109BL

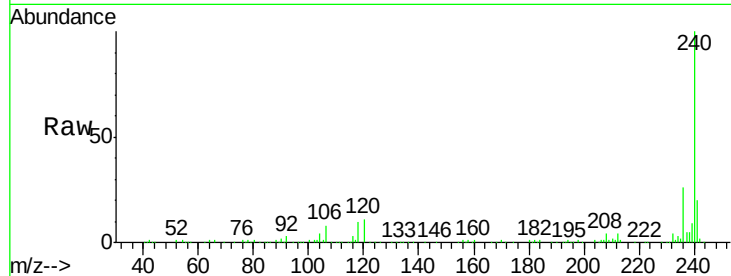
Tot Ion:240 Resp: 295541

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

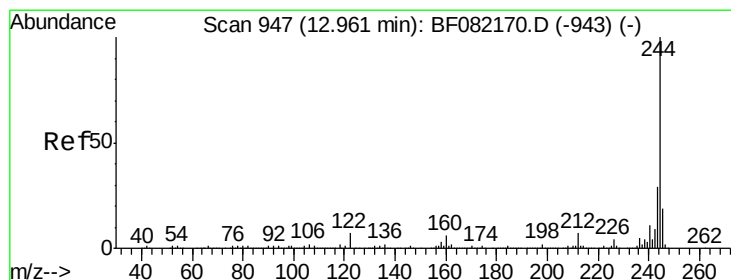
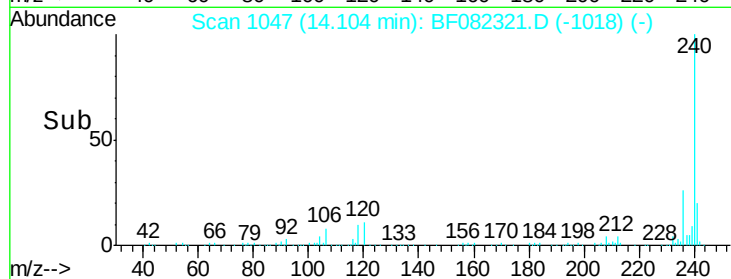
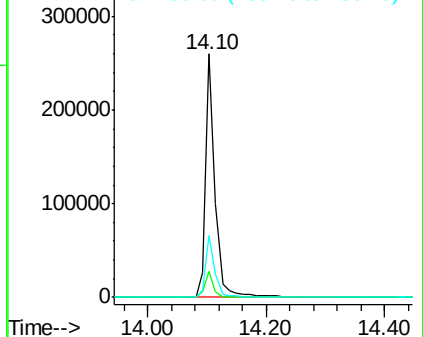
236 25.5 21.3 31.9



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: 80.38 ng

RT: 12.98 min Scan# 949

Delta R.T. 0.02 min

Lab File: BF082321.D

Acq: 16 Oct 2015 12:49

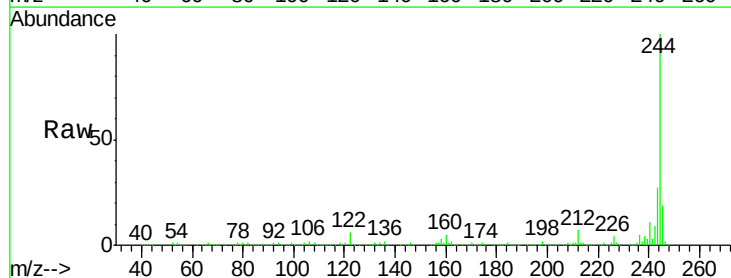
Tgt Ion:244 Resp: 896505

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

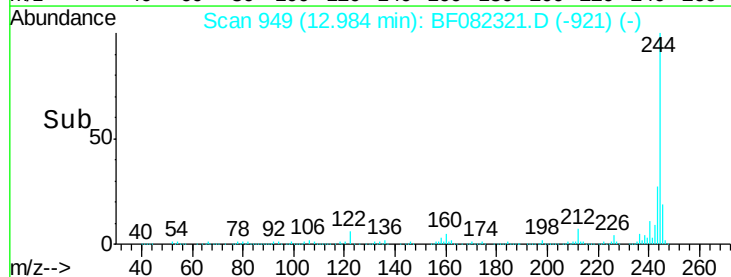
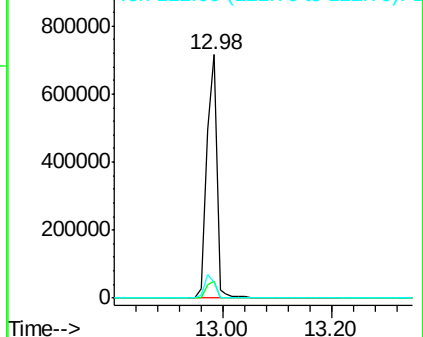
122 6.4 5.9 8.9

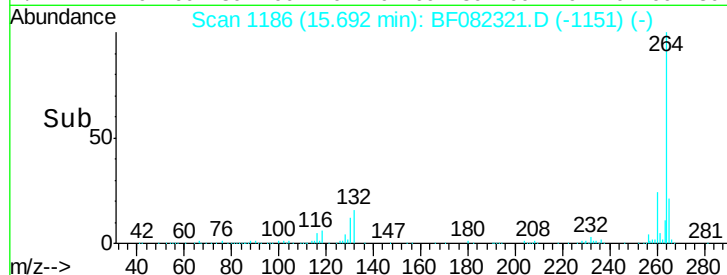
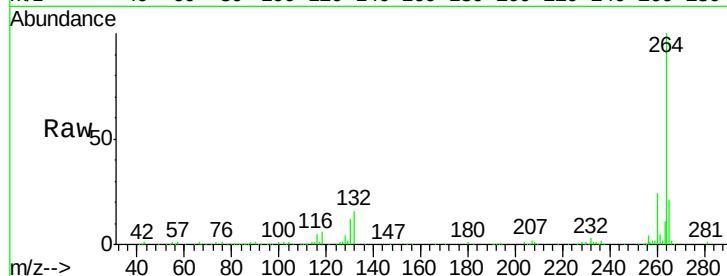
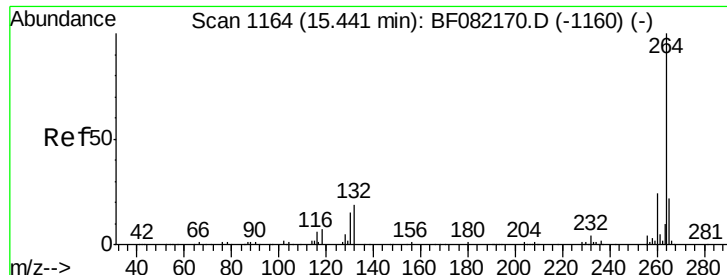


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.69 min Scan# 1186
 Delta R.T. 0.10 min
 Lab File: BF082321.D
 Acq: 16 Oct 2015 12:49

Instrument :
 BNA_F
 ClientSampleId :
 PB86109BL

Tot Ion:	264	Resp:	243052
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.3	17.3	25.9

