

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082324.D
 Acq On : 16 Oct 2015 14:22
 Operator : UM/IZ
 Sample : G4051-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB1-20151015

Quant Time: Oct 17 01:12:00 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

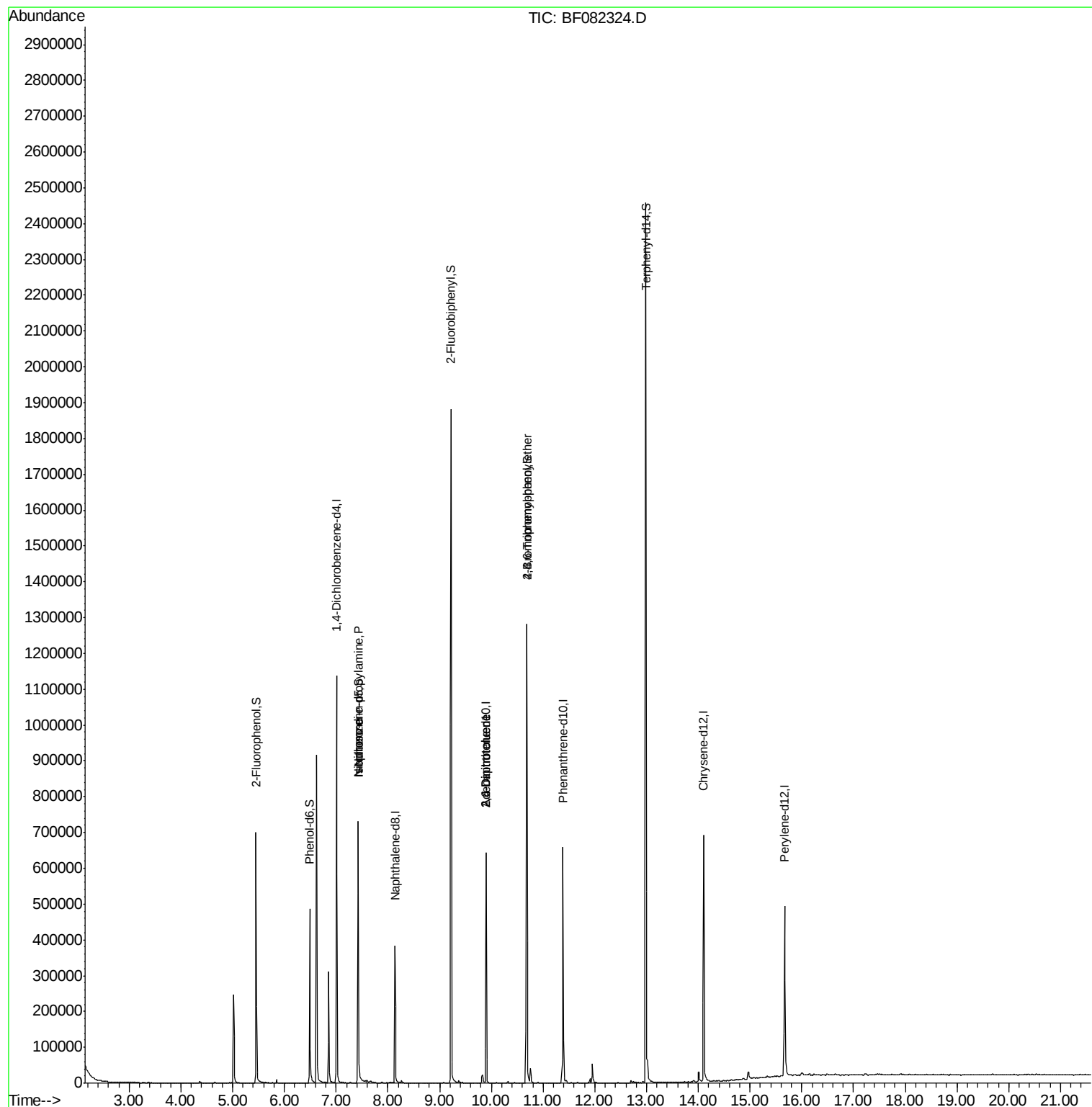
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	213693	20.00	ng	0.17
21) Naphthalene-d8	8.14	136	227446	20.00	ng	0.01
38) Acenaphthene-d10	9.90	164	127831	20.00	ng	0.01
63) Phenanthrene-d10	11.38	188	267445	20.00	ng	0.01
75) Chrysene-d12	14.10	240	299134	20.00	ng	0.03
86) Perylene-d12	15.67	264	252118	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	202914	19.16	ng	0.02
7) Phenol-d6	6.49	99	170934	12.41	ng	0.01
23) Nitrobenzene-d5	7.43	82	347515	102.61	ng	0.01
41) 2,4,6-Tribromophenol	10.69	330	163732	136.58	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	760770	98.70	ng	0.01
78) Terphenyl-d14	12.98	244	865071	76.63	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	44641	4.61	ng	# 73
25) Isophorone	7.43	82	333234	48.75	ng	# 66
50) 2,6-Dinitrotoluene	9.90	165	16059	8.46	ng	# 30
56) 2,4-Dinitrotoluene	9.90	165	16059	6.76	ng	# 21
66) 4-Bromophenyl-phenylether	10.69	248	10861	4.06	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: 7.01 min Scan# 426

Delta R.T. 0.17 min

Lab File: BF082324.D

Acq: 16 Oct 2015 14:22

Instrument :

BNA_F

ClientSampleId :

FB1-20151015

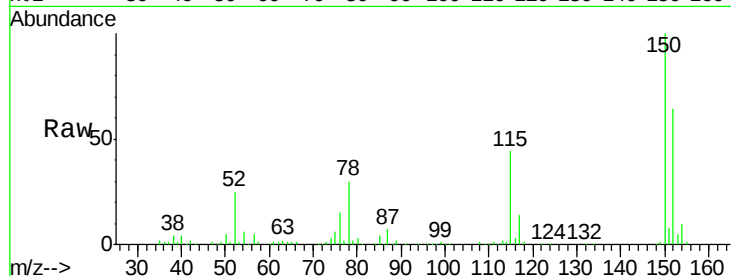
Tot Ion:152 Resp: 213693

Ion Ratio Lower Upper

152 100

150 156.4 129.0 193.4

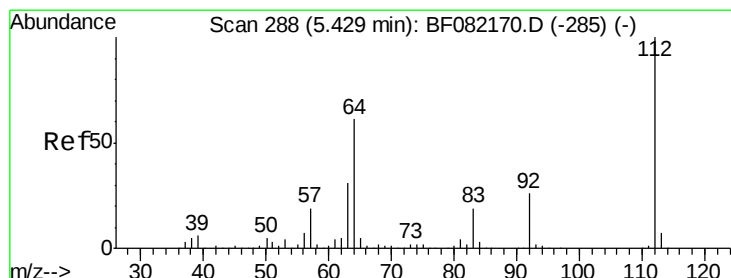
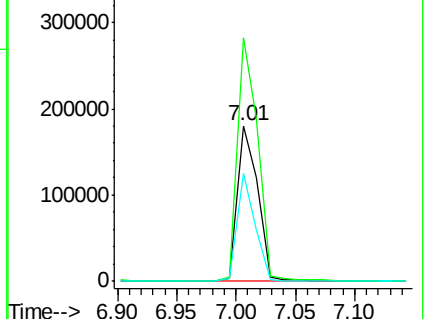
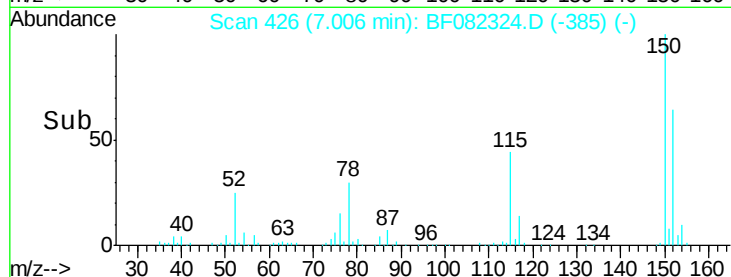
115 69.1 52.1 78.1



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: 19.16 ng

RT: 5.45 min Scan# 290

Delta R.T. 0.02 min

Lab File: BF082324.D

Acq: 16 Oct 2015 14:22

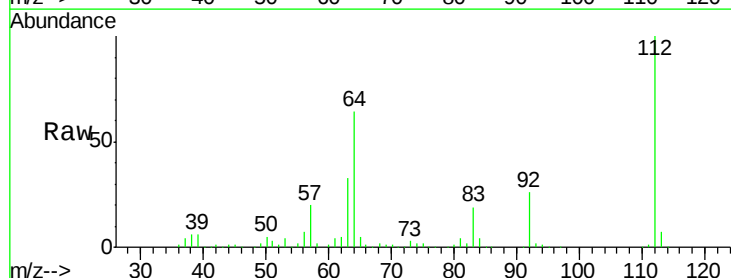
Tgt Ion:112 Resp: 202914

Ion Ratio Lower Upper

112 100

64 64.1 48.6 73.0

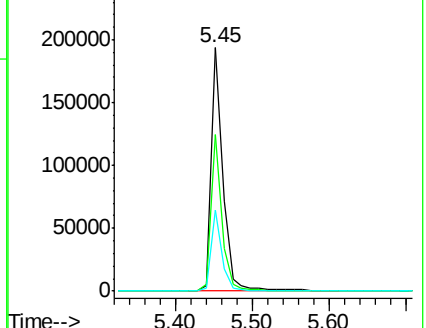
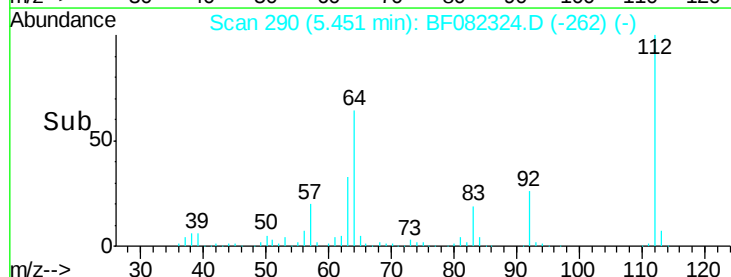
63 33.5 25.1 37.7

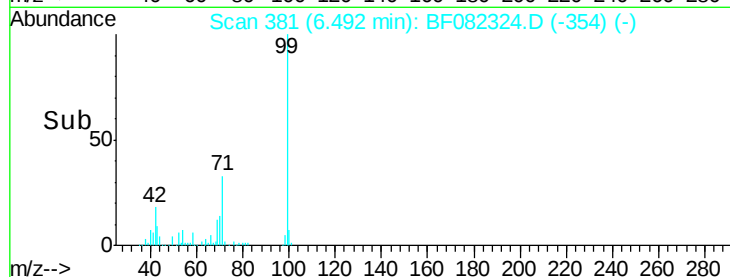
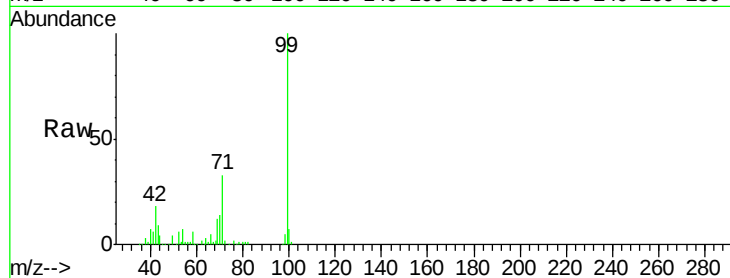


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 12.41 ng

RT: 6.49 min Scan# 381

Delta R.T. 0.01 min

Lab File: BF082324.D

Acq: 16 Oct 2015 14:22

Instrument :

BNA_F

ClientSampleId :

FB1-20151015

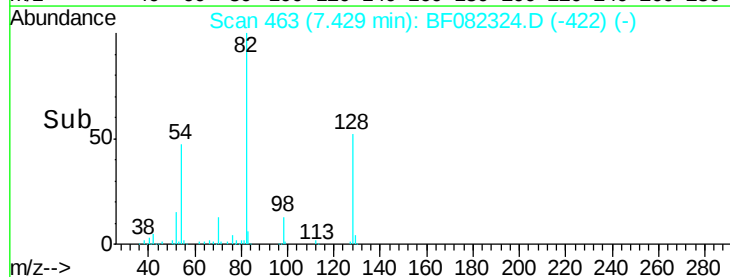
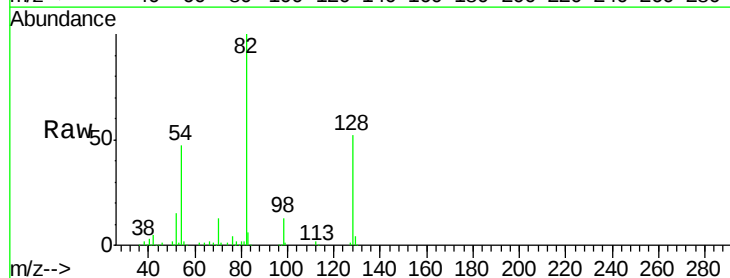
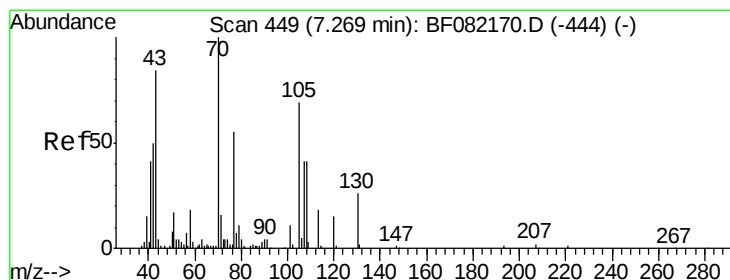
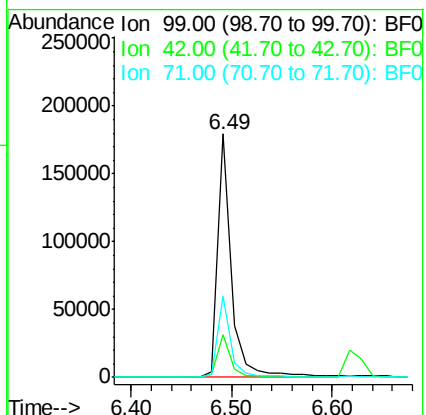
Tot Ion: 99 Resp: 170934

Ion Ratio Lower Upper

99 100

42 17.5 13.2 19.8

71 33.3 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.61 ng

RT: 7.43 min Scan# 463

Delta R.T. 0.17 min

Lab File: BF082324.D

Acq: 16 Oct 2015 14:22

Tgt Ion: 70 Resp: 44641

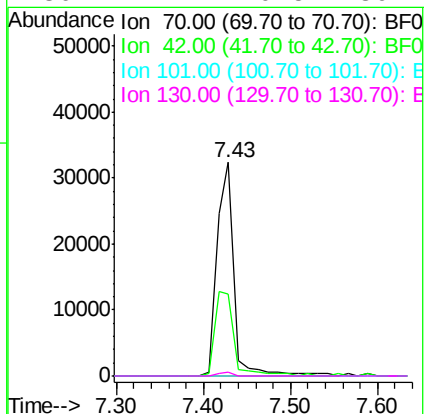
Ion Ratio Lower Upper

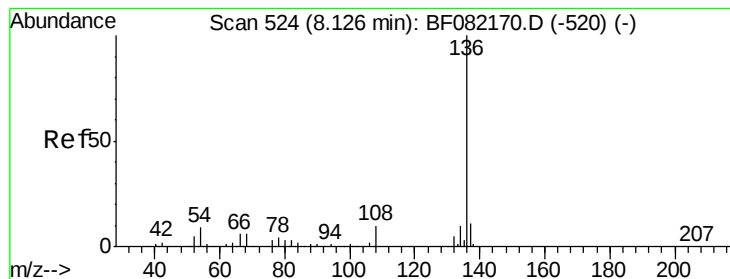
70 100

42 38.3 39.8 59.8#

101 0.0 8.6 13.0#

130 2.1 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 525

Delta R.T. 0.01 min

Lab File: BF082324.D

Acq: 16 Oct 2015 14:22

Instrument :

BNA_F

ClientSampleId :

FB1-20151015

Tot Ion:136 Resp: 227446

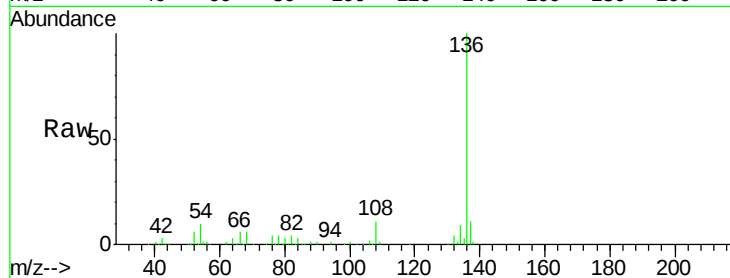
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 10.5 7.5 11.3

68 6.0 4.6 7.0

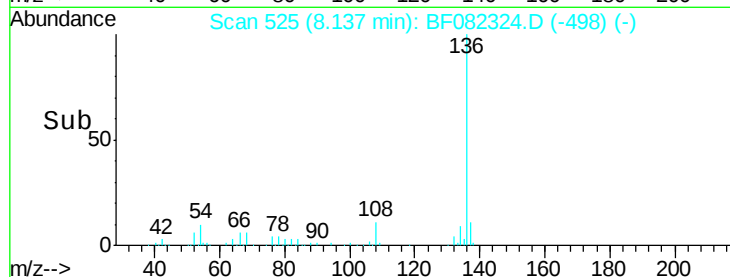


Abundance Ion 136.00 (135.70 to 136.70): E

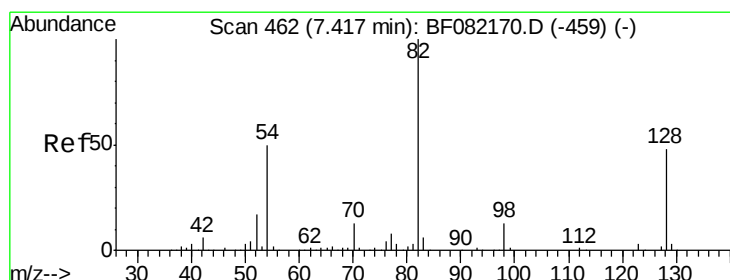
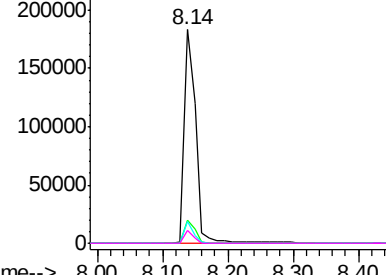
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 102.61 ng

RT: 7.43 min Scan# 463

Delta R.T. 0.01 min

Lab File: BF082324.D

Acq: 16 Oct 2015 14:22

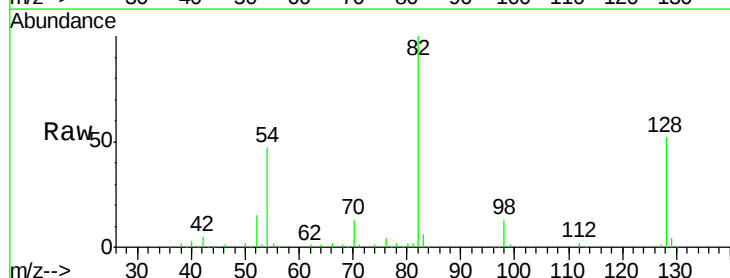
Tgt Ion: 82 Resp: 347515

Ion Ratio Lower Upper

82 100

128 52.5 38.7 58.1

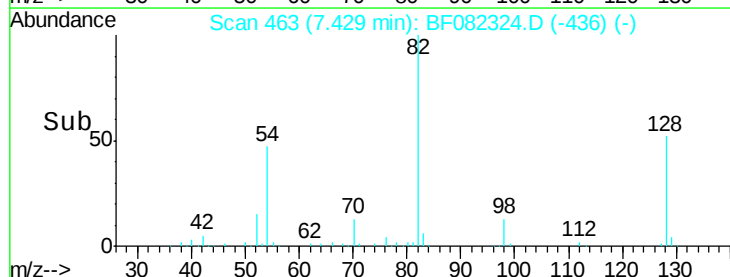
54 46.8 40.1 60.1



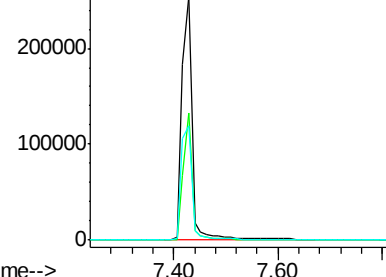
Abundance Ion 82.00 (81.70 to 82.70): BF0

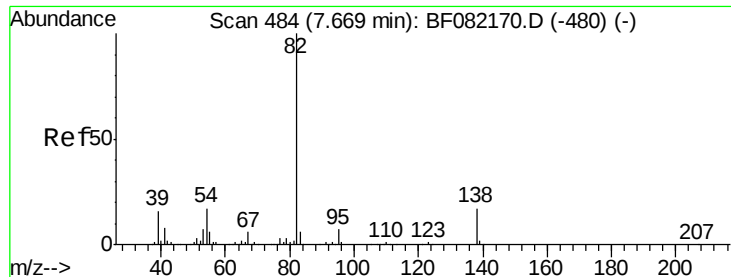
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 48.75 ng

RT: 7.43 min Scan# 463

Delta R.T. -0.24 min

Lab File: BF082324.D

Acq: 16 Oct 2015 14:22

Instrument :

BNA_F

ClientSampleId :

FB1-20151015

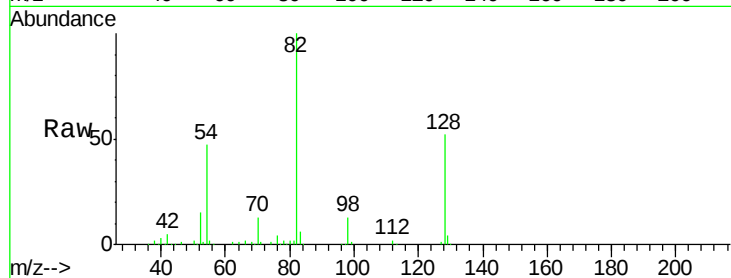
Tot Ion: 82 Resp: 333234

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

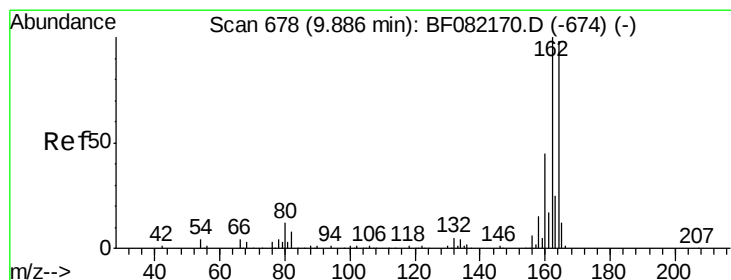
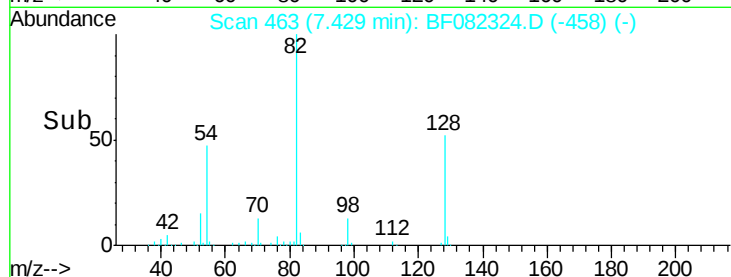
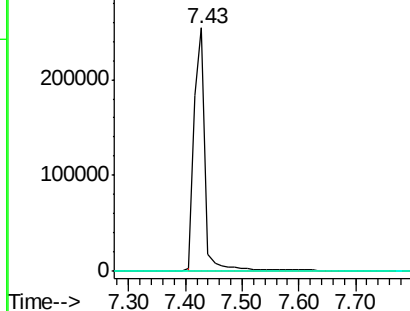
138 0.0 13.6 20.4#



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: 9.90 min Scan# 679

Delta R.T. 0.01 min

Lab File: BF082324.D

Acq: 16 Oct 2015 14:22

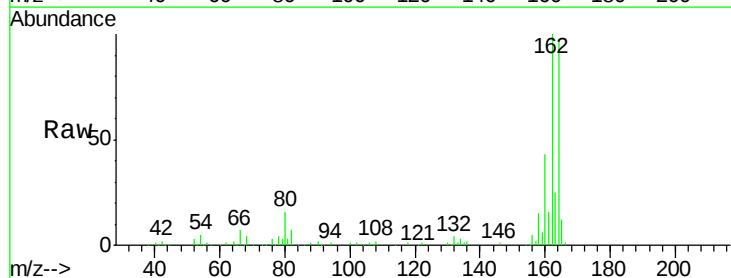
Tgt Ion: 164 Resp: 127831

Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

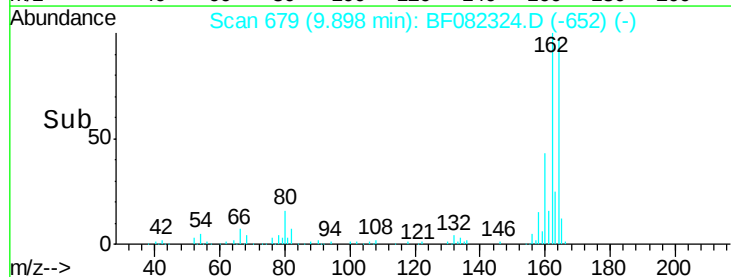
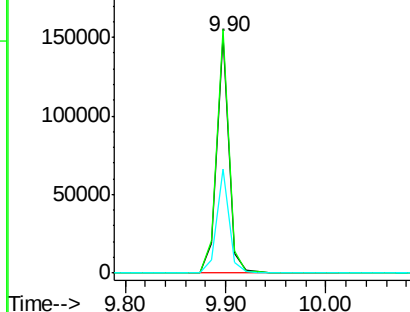
160 44.2 36.4 54.6



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

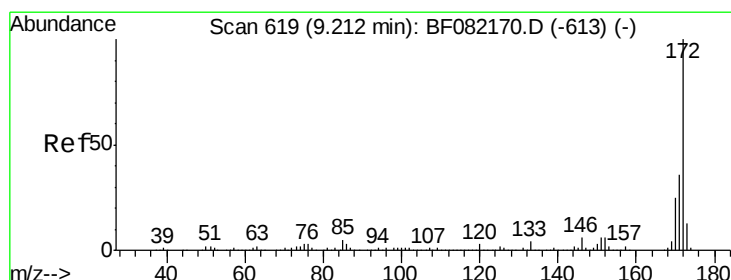
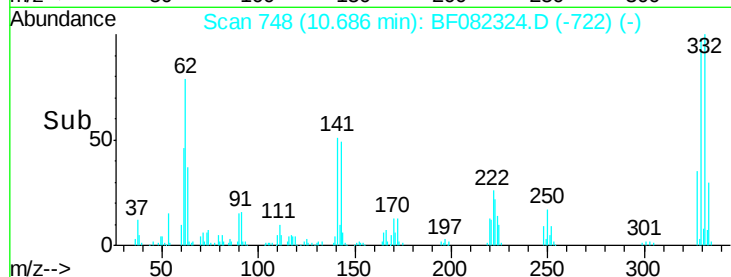
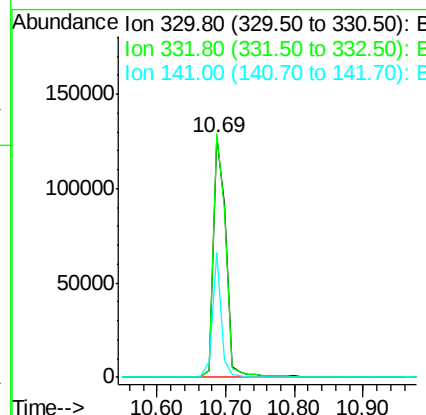
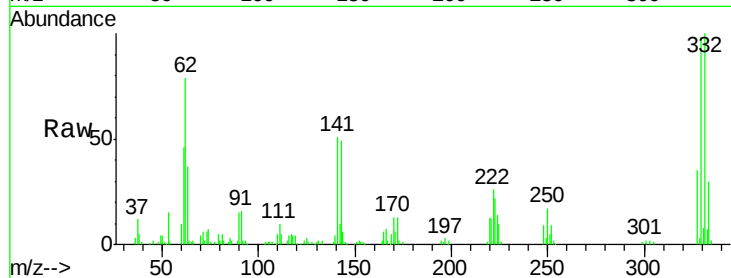




#41
 2,4,6-Tribromophenol
 Concen: 136.58 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF082324.D
 Acq: 16 Oct 2015 14:22

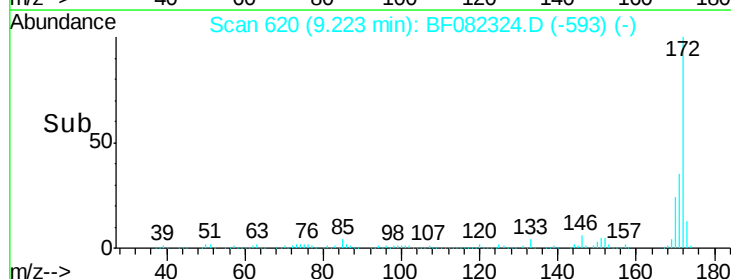
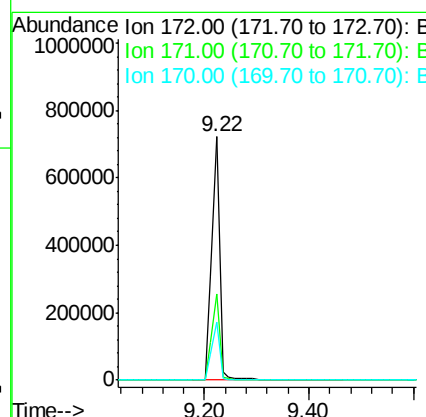
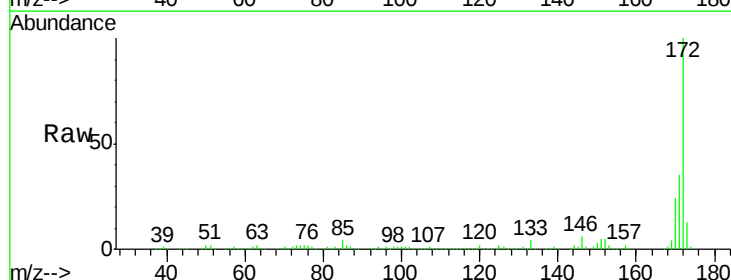
Instrument :
 BNA_F
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 FB1-20151015

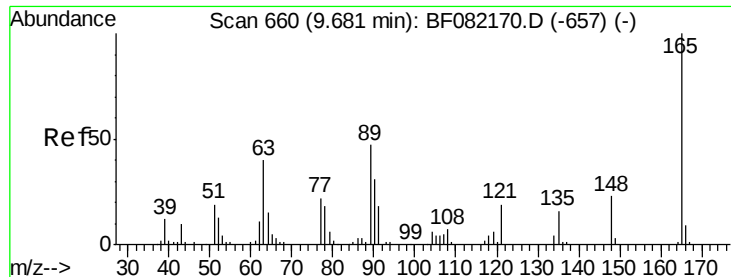
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.7	77.1	115.7
141	36.4	29.8	44.8



#44
 2-Fluorobiphenyl
 Concen: 98.70 ng
 RT: 9.22 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: BF082324.D
 Acq: 16 Oct 2015 14:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.7	19.7	29.5

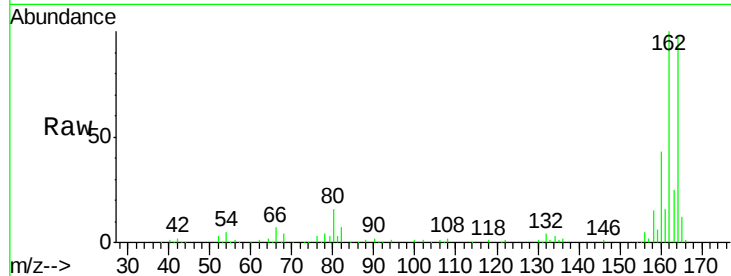




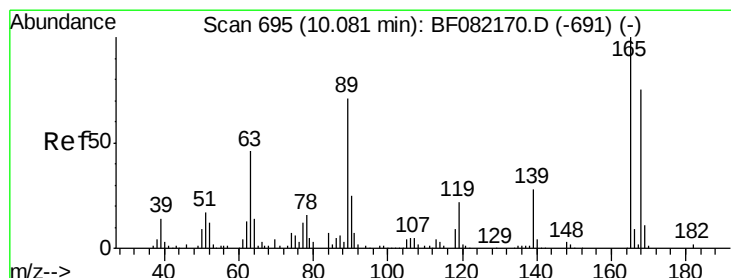
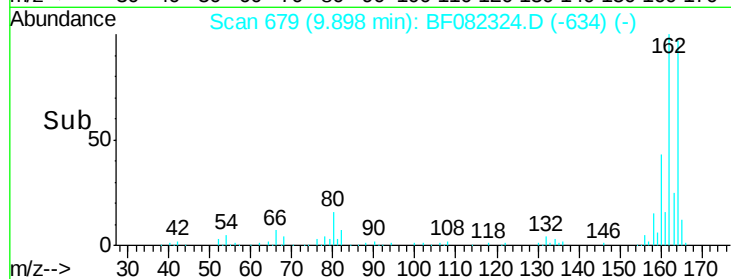
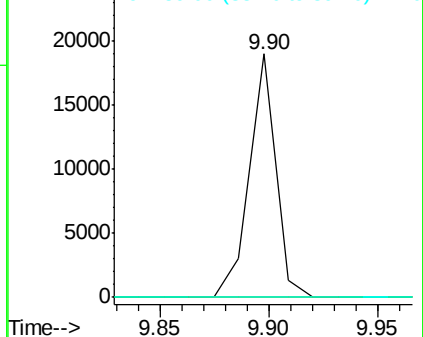
#50
 2,6-Dinitrotoluene
 Concen: 8.46 ng
 RT: 9.90 min Scan# 679
 Delta R.T. 0.22 min
 Lab File: BF082324.D
 Acq: 16 Oct 2015 14:22

Instrument :
 BNA_F
 ClientSampleId :
 FB1-20151015

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

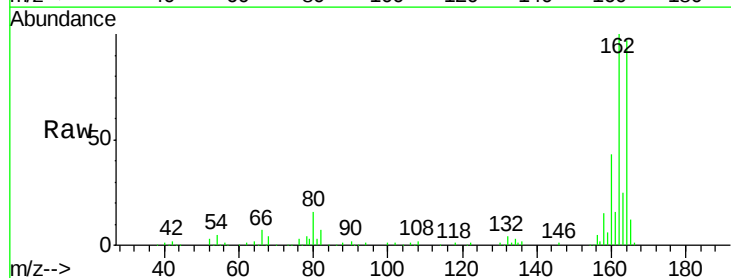


Abundance Ion 165.00 (164.70 to 165.70): E

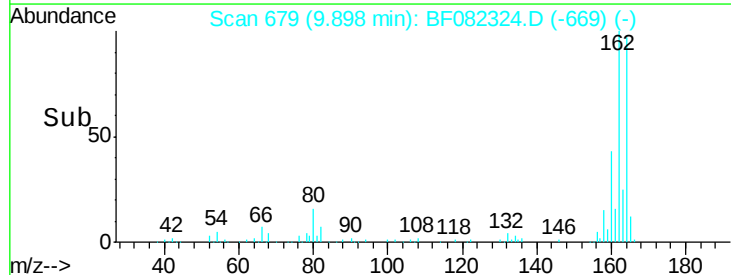
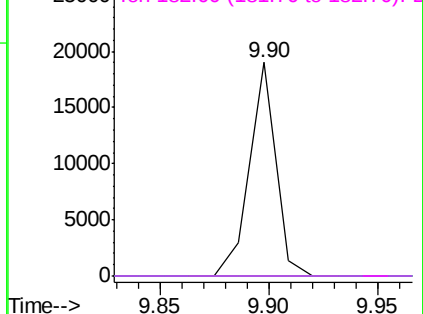


#56
 2,4-Dinitrotoluene
 Concen: 6.76 ng
 RT: 9.90 min Scan# 679
 Delta R.T. -0.18 min
 Lab File: BF082324.D
 Acq: 16 Oct 2015 14:22

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#



Abundance Ion 165.00 (164.70 to 165.70): E

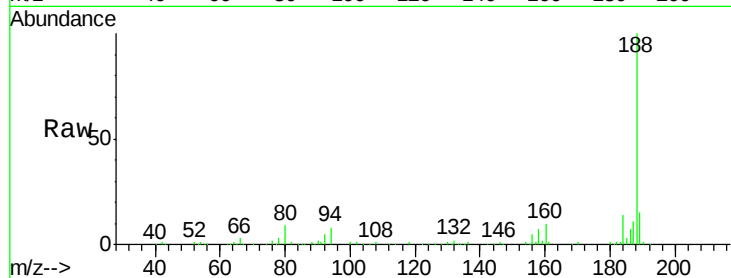




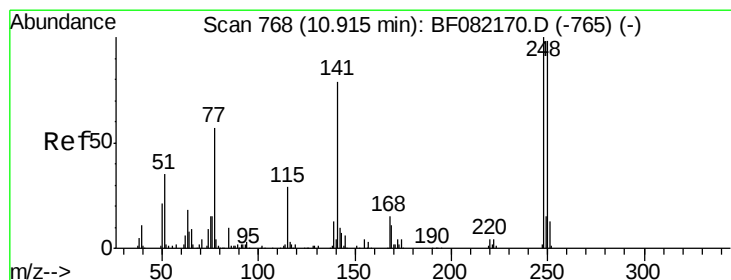
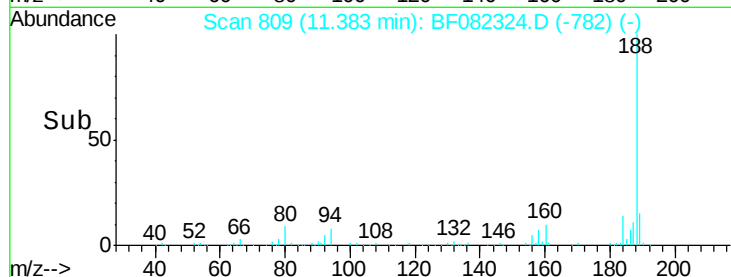
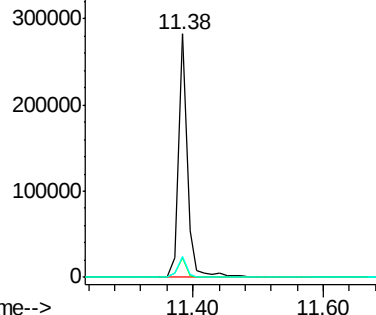
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 809
Delta R.T. 0.01 min
Lab File: BF082324.D
Acq: 16 Oct 2015 14:22

Instrument :
BNA_F
ClientSampleId :
FB1-20151015

Tot Ion:188 Resp: 267445
Ion Ratio Lower Upper
188 100
94 8.1 5.8 8.6
80 8.8 6.4 9.6

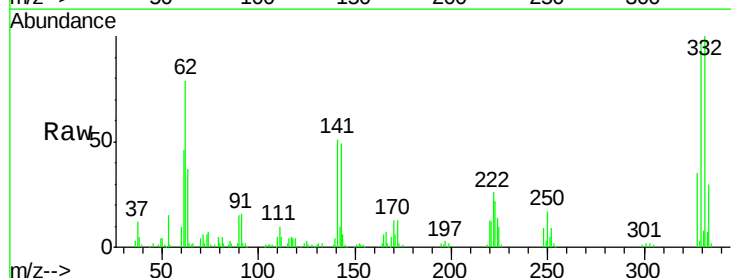


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

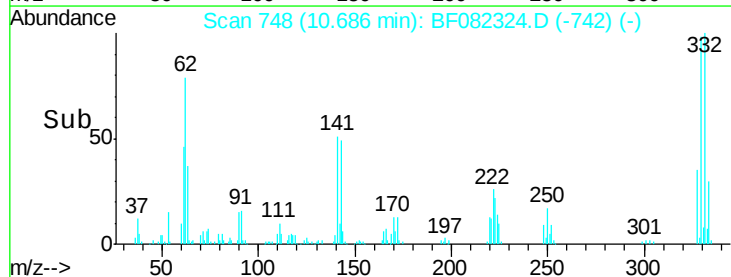
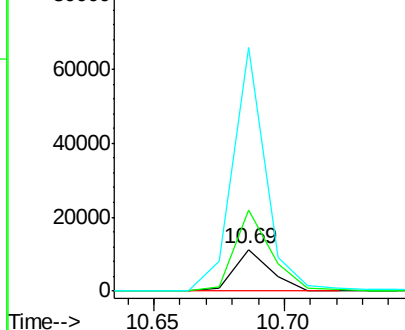


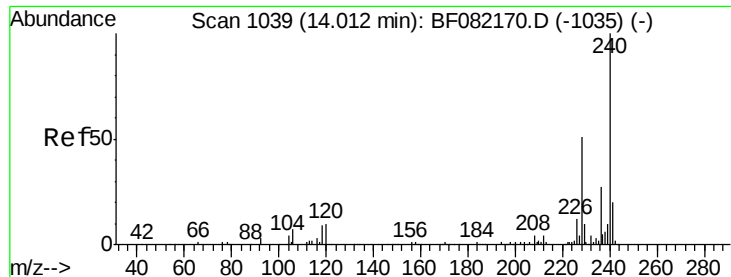
#66
4-Bromophenyl-phenylether
Concen: 4.06 ng
RT: 10.69 min Scan# 748
Delta R.T. -0.23 min
Lab File: BF082324.D
Acq: 16 Oct 2015 14:22

Tgt Ion:248 Resp: 10861
Ion Ratio Lower Upper
248 100
250 195.8 78.6 117.8#
141 586.7 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: BF082324.D

Acq: 16 Oct 2015 14:22

Instrument :

BNA_F

ClientSampleId :

FB1-20151015

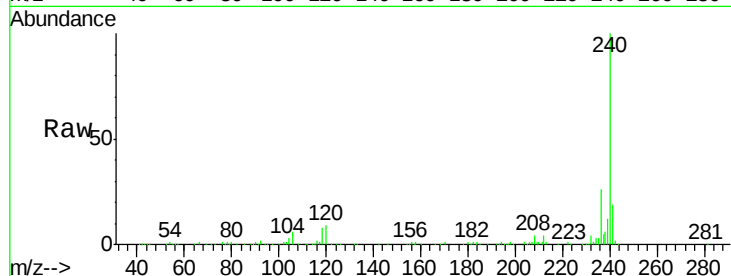
Tot Ion:240 Resp: 299134

Ion Ratio Lower Upper

240 100

120 8.8 8.1 12.1

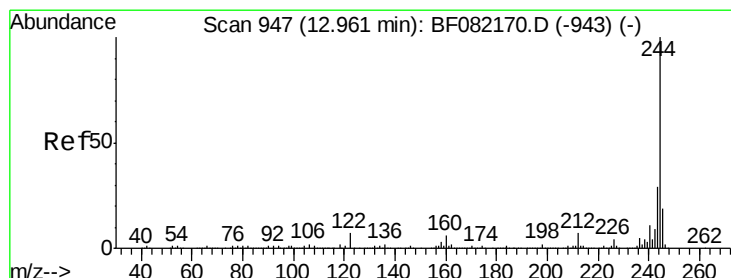
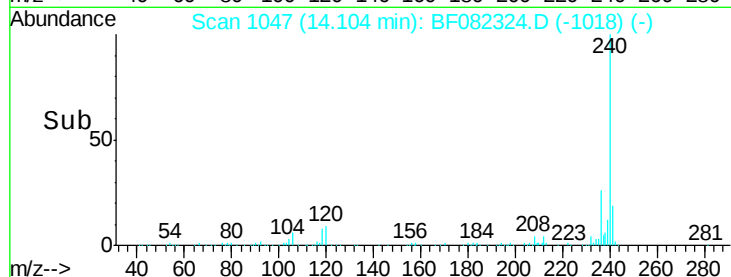
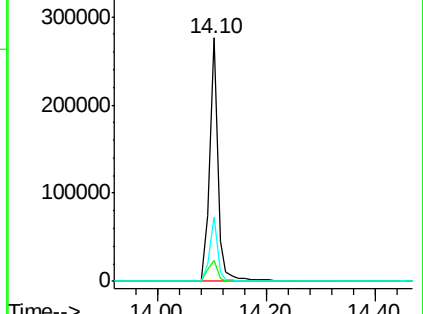
236 26.5 21.3 31.9



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: 76.63 ng

RT: 12.98 min Scan# 949

Delta R.T. 0.02 min

Lab File: BF082324.D

Acq: 16 Oct 2015 14:22

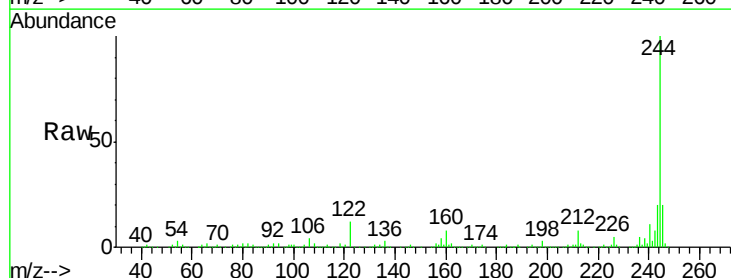
Tgt Ion:244 Resp: 865071

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

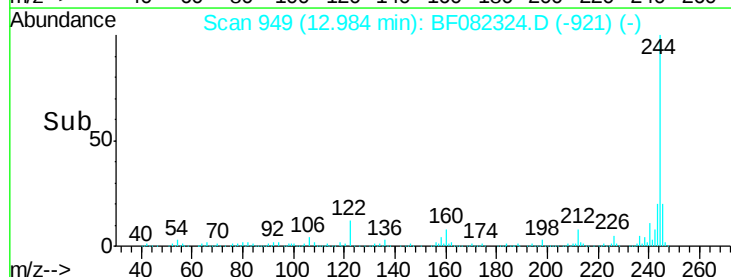
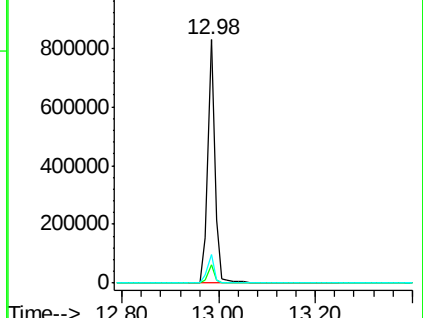
122 11.6 5.9 8.9#

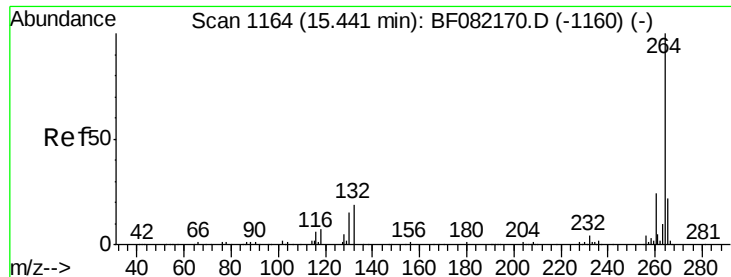


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

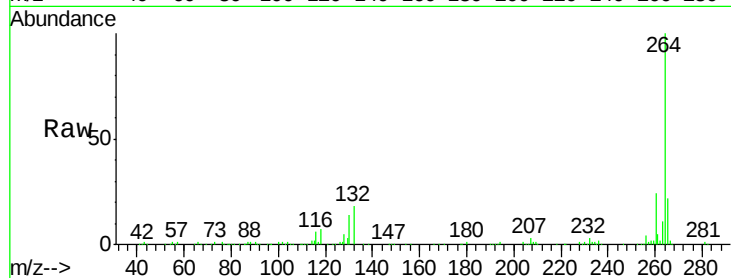




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.67 min Scan# 1184
 Delta R.T. 0.08 min
 Lab File: BF082324.D
 Acq: 16 Oct 2015 14:22

Instrument :
 BNA_F
 ClientSampleId :
 FB1-20151015

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	21.7	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

