

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\
 Data File : BF082266.D
 Acq On : 13 Oct 2015 20:58
 Operator : UM/IZ
 Sample : G3998-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-04)

Quant Time: Oct 14 01:21:41 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 14 01:15:23 2015
 Response via : Initial Calibration

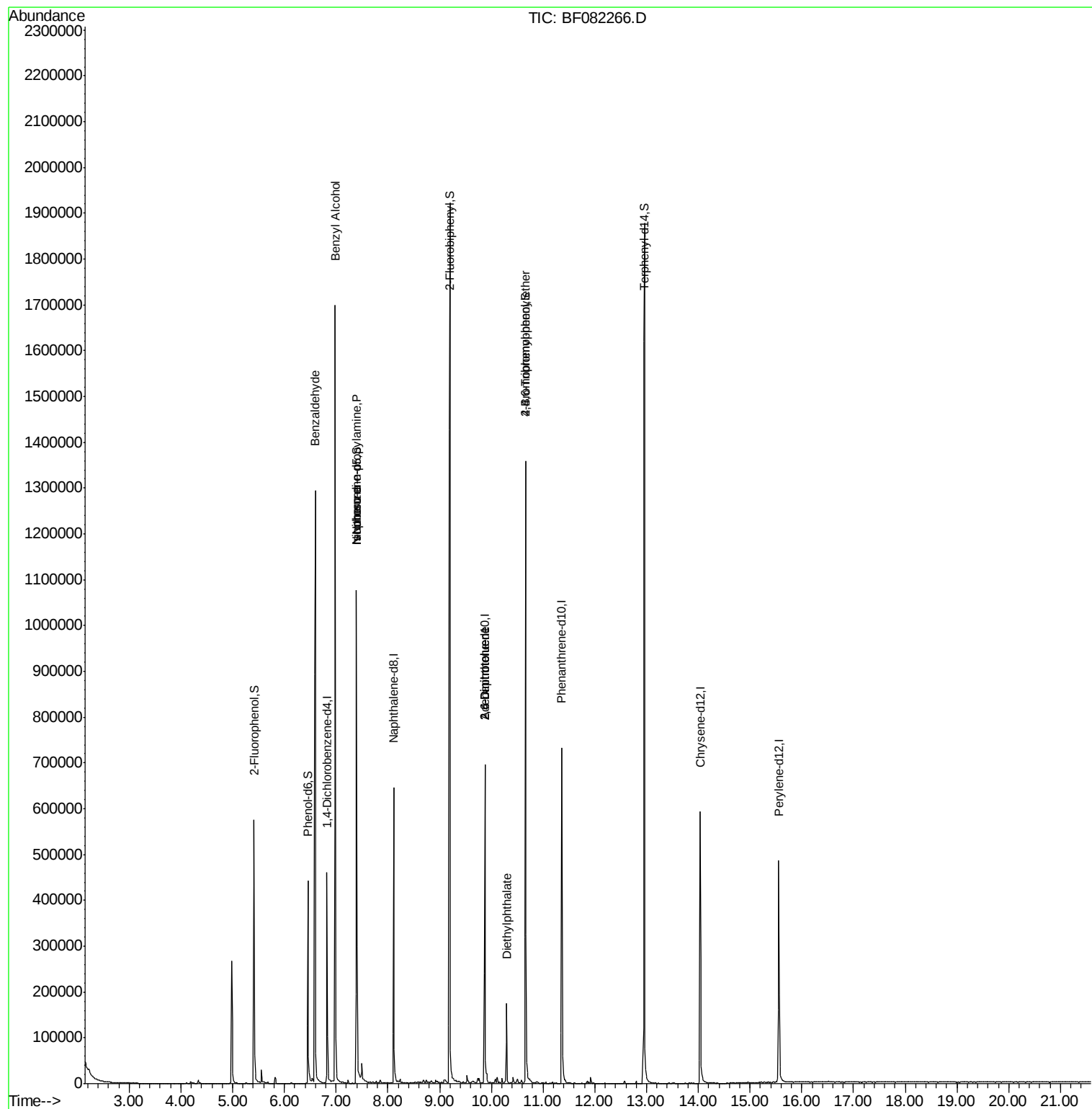
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	76658	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	299291	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	153682	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	300275	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	283919	20.00	ng	-0.10
86) Perylene-d12	15.56	264	253555	20.00	ng	-0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	235046	61.88	ng	0.00
7) Phenol-d6	6.46	99	180000	36.42	ng	-0.01
23) Nitrobenzene-d5	7.39	82	420509	94.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	183054	127.01	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	889607	96.00	ng	0.00
78) Terphenyl-d14	12.96	244	926326	86.46	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.59	77	10017	3.97	ng	84
15) Benzyl Alcohol	6.98	79	7423	2.18	ng	# 47
19) n-Nitroso-di-n-propylamine	7.39	70	54019	15.56	ng	# 80
25) Isophorone	7.39	82	359083	39.92	ng	# 66
50) 2,6-Dinitrotoluene	9.87	165	18891	8.27	ng	# 32
55) 4-Nitrophenol	10.08	139	1584	Below Cal		# 11
56) 2,4-Dinitrotoluene	9.87	165	18891	6.62	ng	# 23
59) Diethylphthalate	10.30	149	84160	8.34	ng	97
66) 4-Bromophenyl-phenylether	10.66	248	12109	4.03	ng	# 1

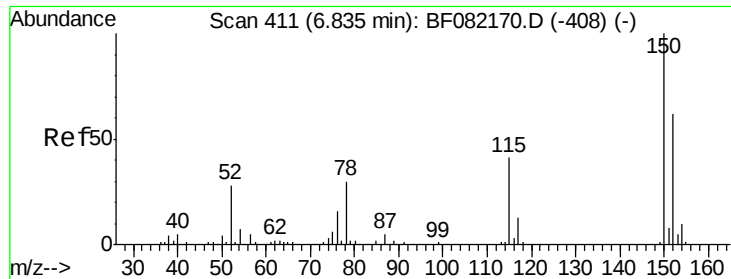
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF082266.D

Acq: 13 Oct 2015 20:58

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(1.5-04)

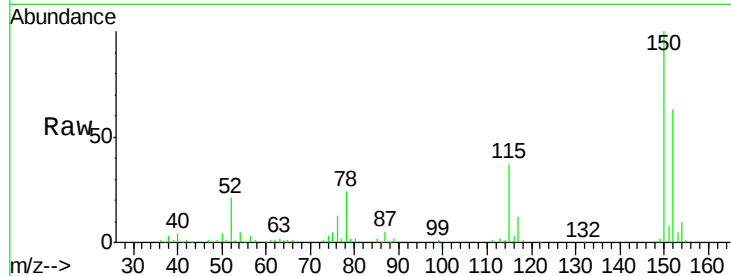
Tot Ion:152 Resp: 76658

Ion Ratio Lower Upper

152 100

150 158.1 129.0 193.4

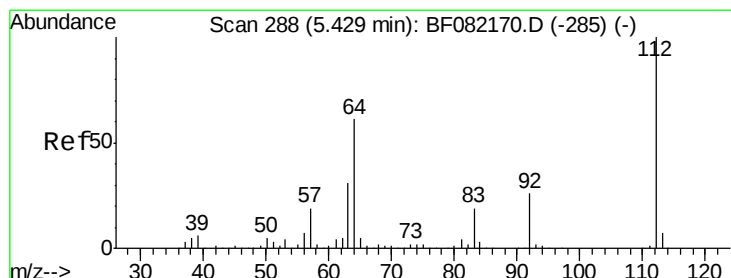
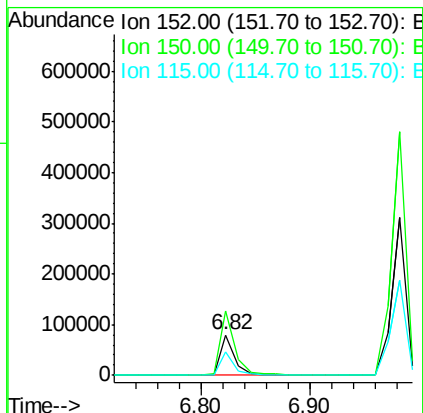
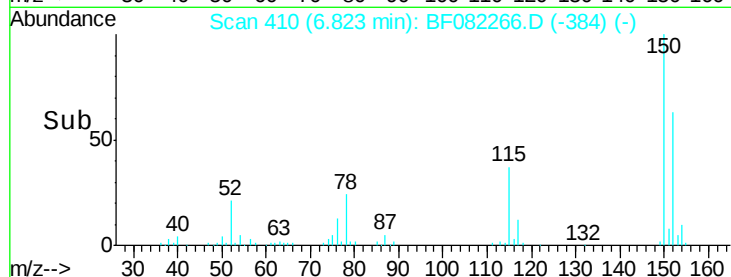
115 59.1 52.1 78.1



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: 61.88 ng

RT: 5.42 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

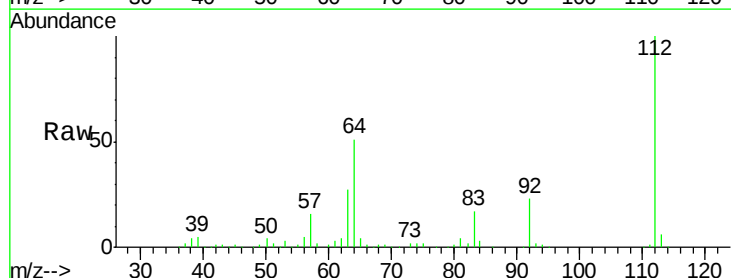
Tgt Ion:112 Resp: 235046

Ion Ratio Lower Upper

112 100

64 51.2 48.6 73.0

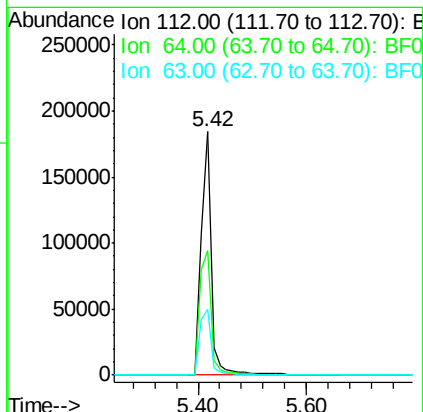
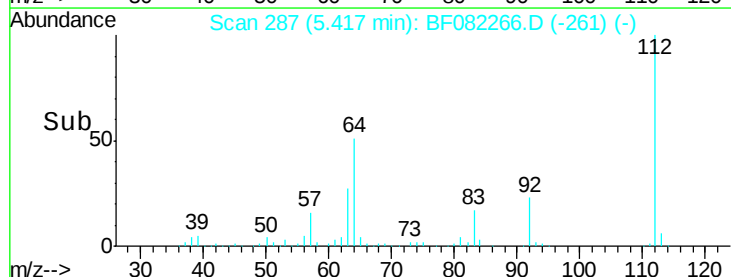
63 26.8 25.1 37.7

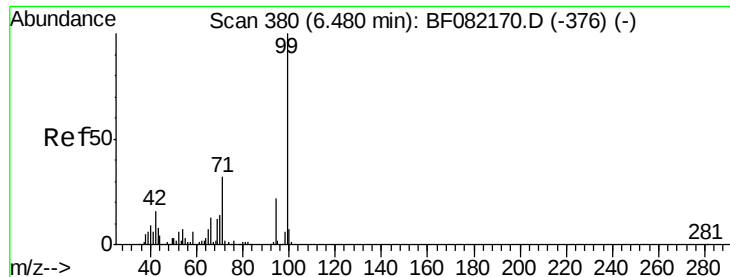


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.42 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(1.5-04)

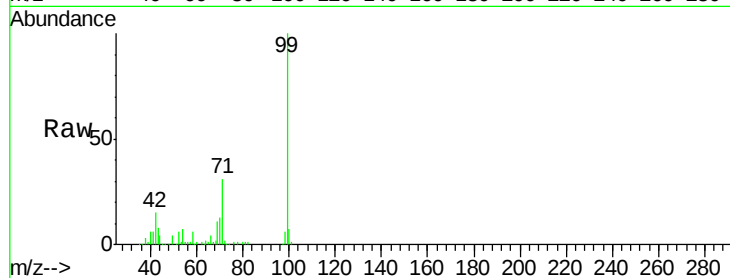
Tot Ion: 99 Resp: 180000

Ion Ratio Lower Upper

99 100

42 15.3 13.2 19.8

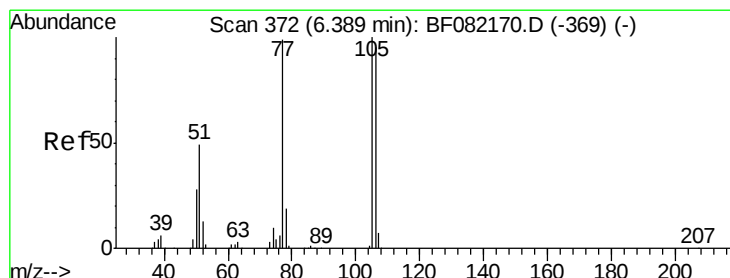
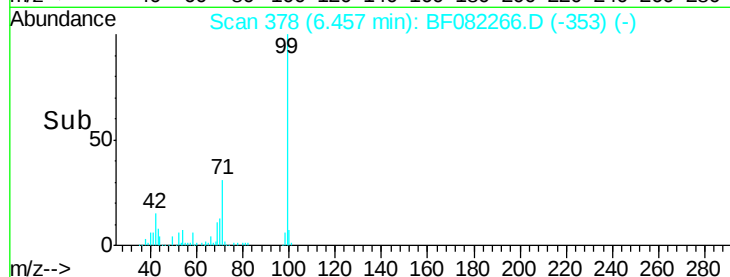
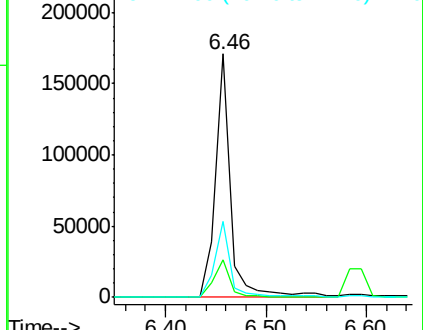
71 31.2 25.6 38.4



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: 3.97 ng

RT: 6.59 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

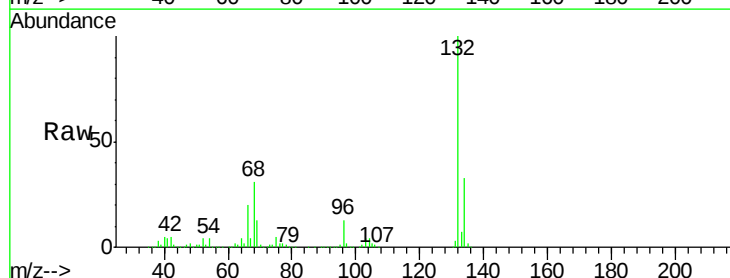
Tgt Ion: 77 Resp: 10017

Ion Ratio Lower Upper

77 100

105 85.9 80.6 120.6

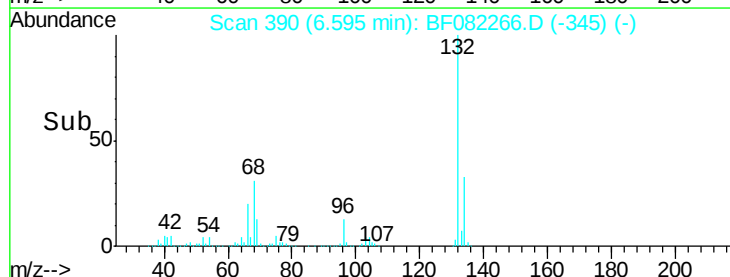
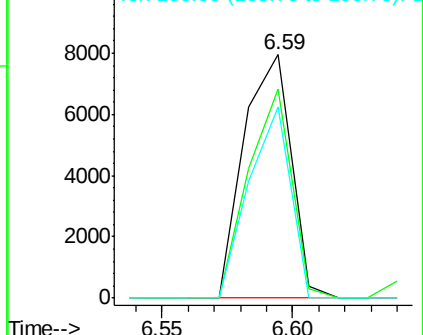
106 78.5 75.5 115.5

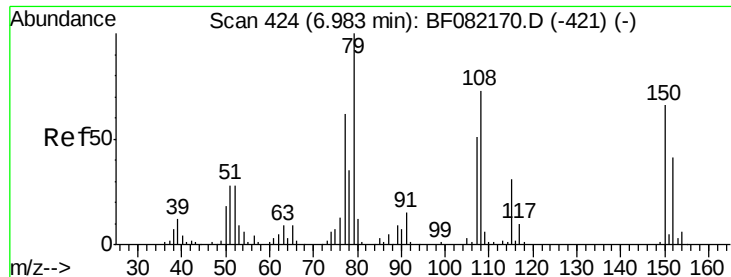


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.98 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(1.5-04)

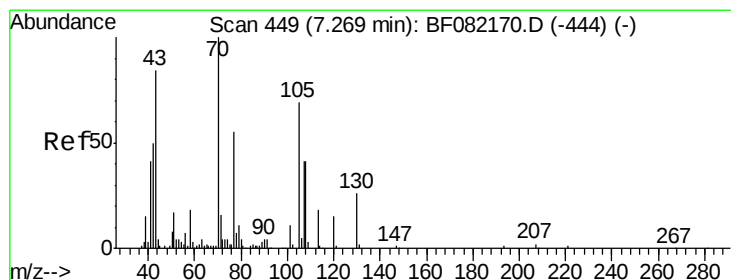
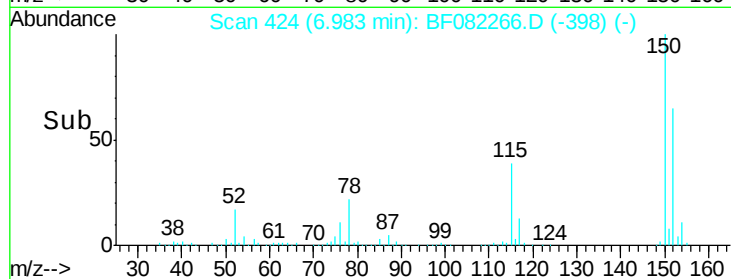
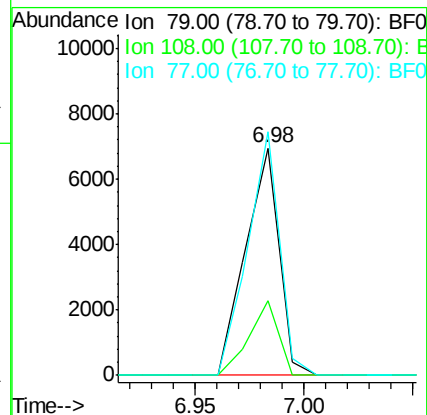
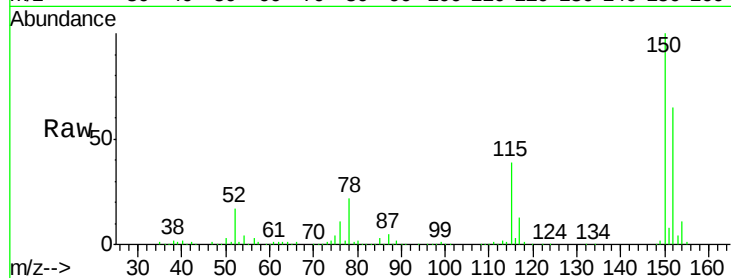
Tot Ion: 79 Resp: 7423

Ion Ratio Lower Upper

79 100

108 32.9 58.4 87.6#

77 107.1 49.8 74.6#



#19

n-Nitroso-di-n-propylamine

Concen: 15.56 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.15 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

Tgt Ion: 70 Resp: 54019

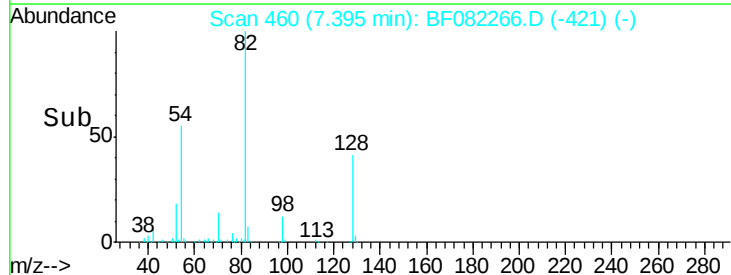
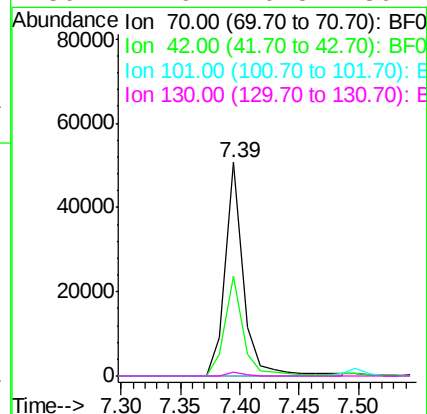
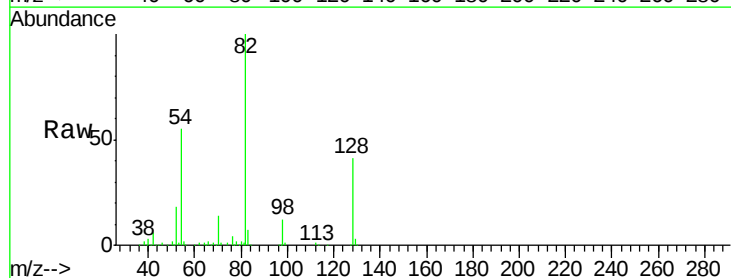
Ion Ratio Lower Upper

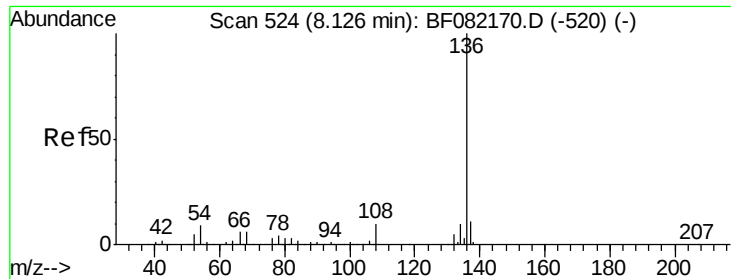
70 100

42 46.9 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: 8.11 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(1.5-04)

Tot Ion:136 Resp: 299291

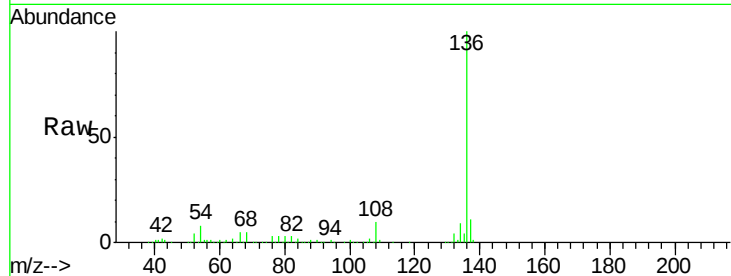
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 7.7 7.5 11.3

68 5.0 4.6 7.0

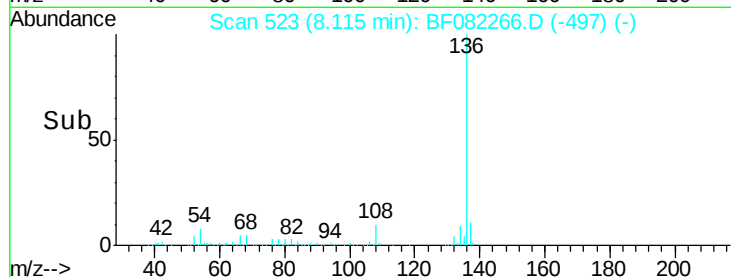


Abundance Ion 136.00 (135.70 to 136.70): E

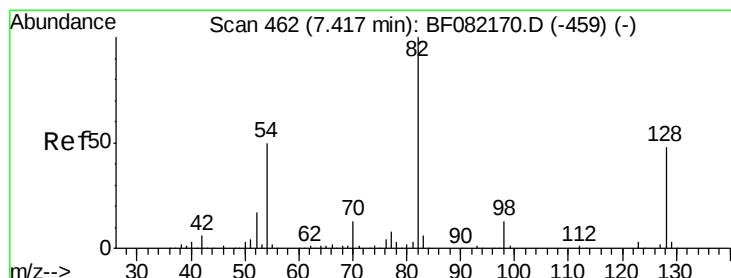
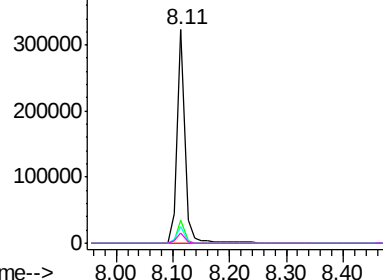
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 94.35 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

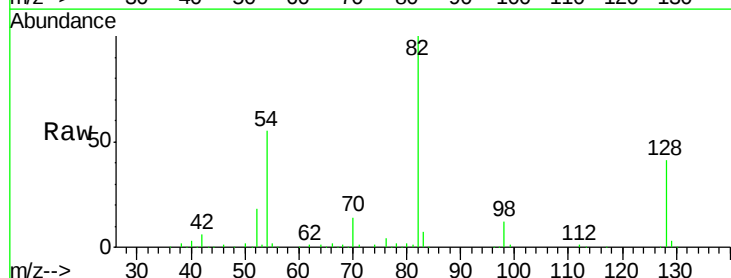
Tgt Ion: 82 Resp: 420509

Ion Ratio Lower Upper

82 100

128 40.6 38.7 58.1

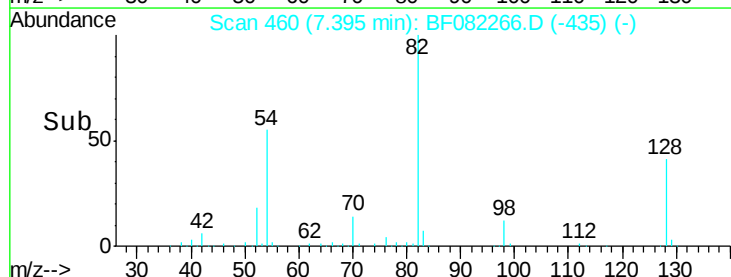
54 55.4 40.1 60.1



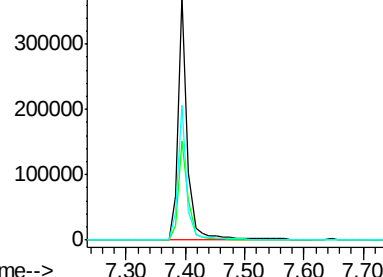
Abundance Ion 82.00 (81.70 to 82.70): BF0

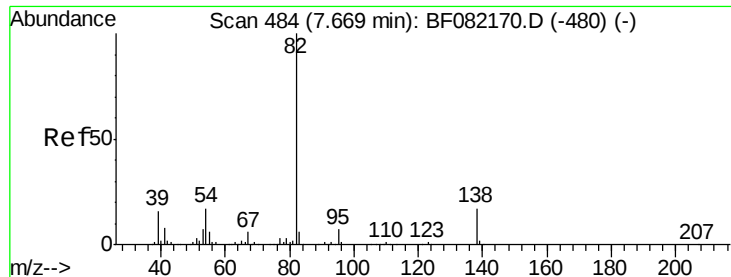
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 39.92 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.26 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(1.5-04)

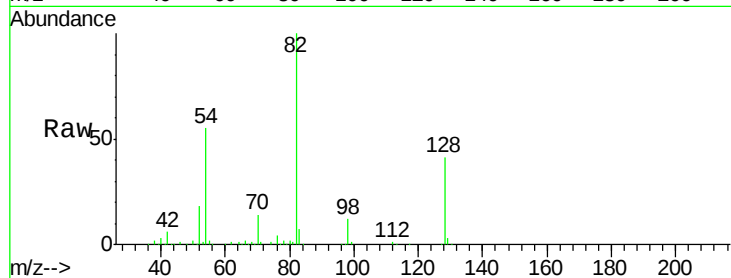
Tot Ion: 82 Resp: 359083

Ion Ratio Lower Upper

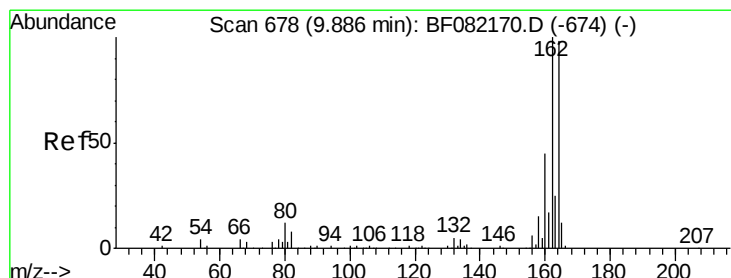
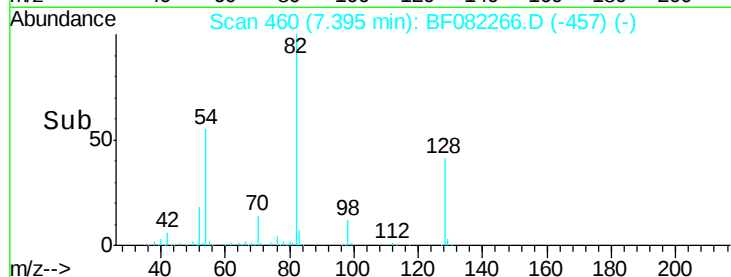
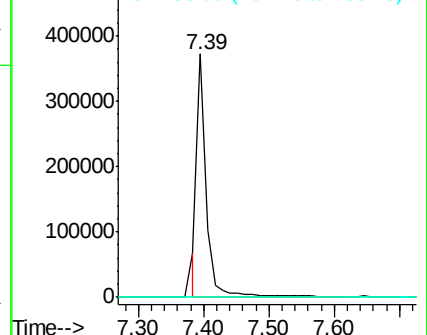
82 100

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: 9.87 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

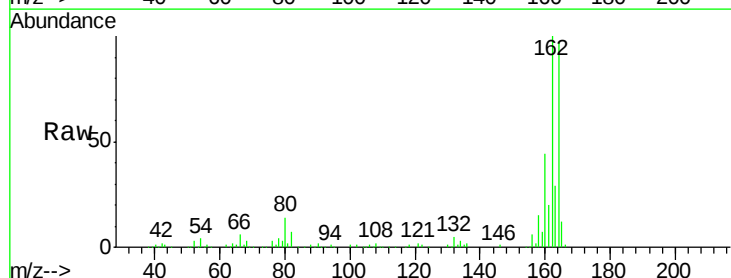
Tgt Ion: 164 Resp: 153682

Ion Ratio Lower Upper

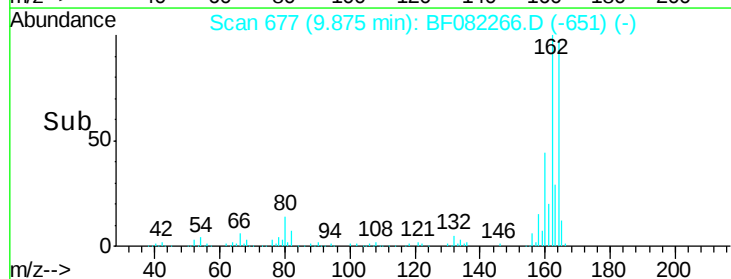
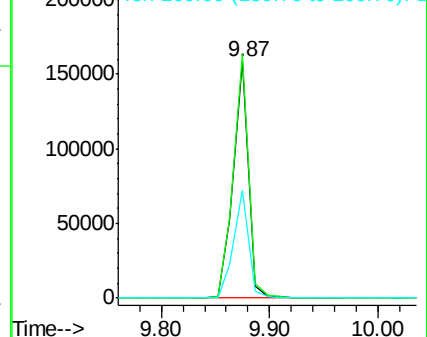
164 100

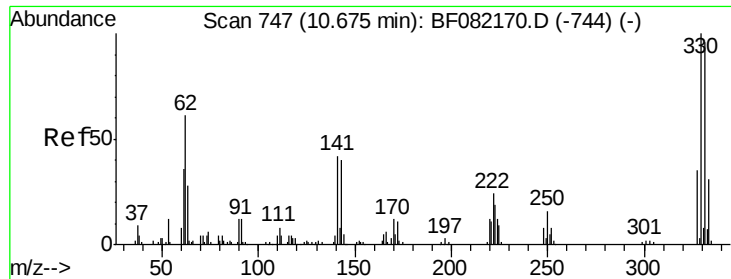
162 102.7 81.6 122.4

160 45.5 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

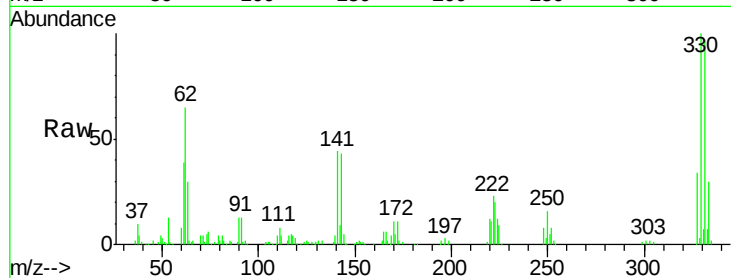




#41
 2,4,6-Tribromophenol
 Concen: 127.01 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082266.D
 Acq: 13 Oct 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-04)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.1	115.7
141	37.8	29.8	44.8

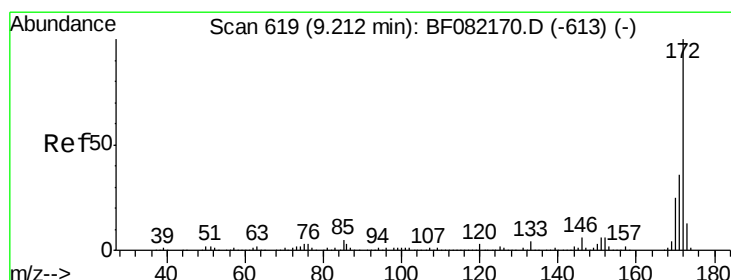
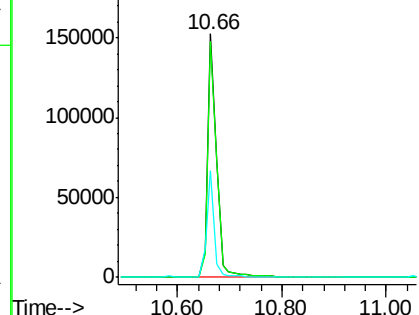
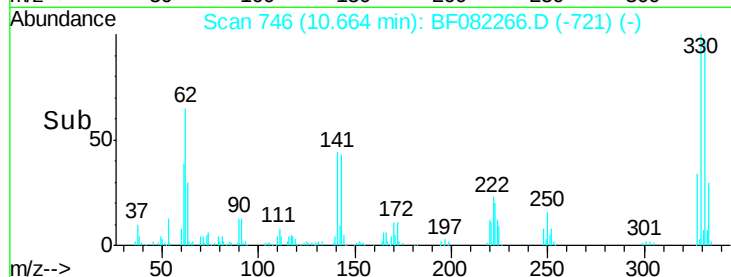


Abundance

Ion 329.80 (329.50 to 330.50): E

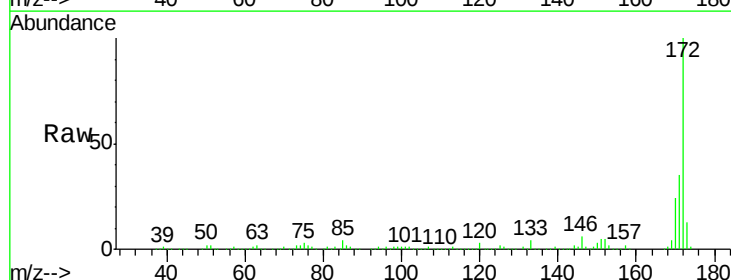
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 96.00 ng
 RT: 9.20 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF082266.D
 Acq: 13 Oct 2015 20:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.7	19.7	29.5

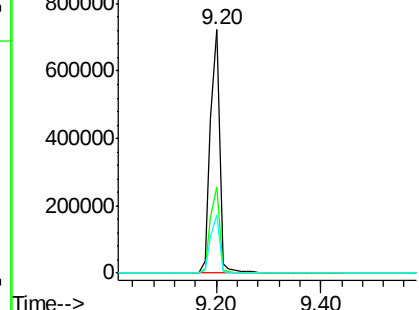
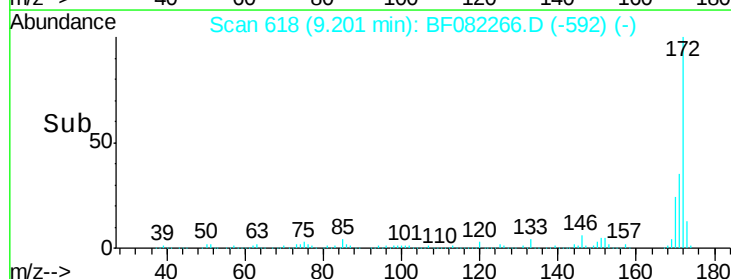


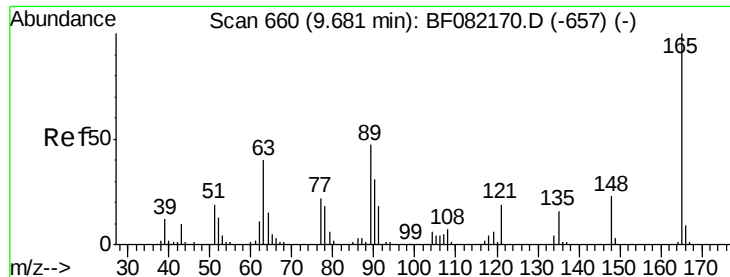
Abundance

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

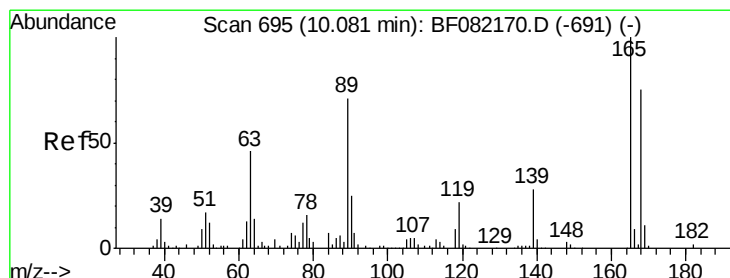
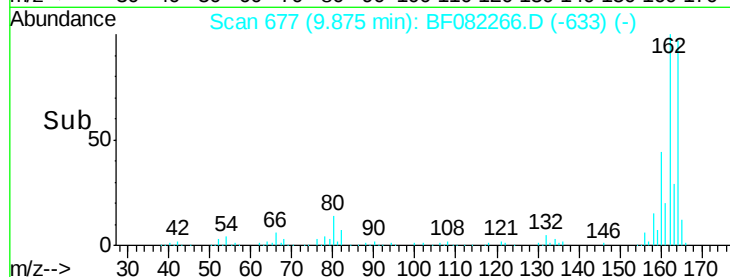
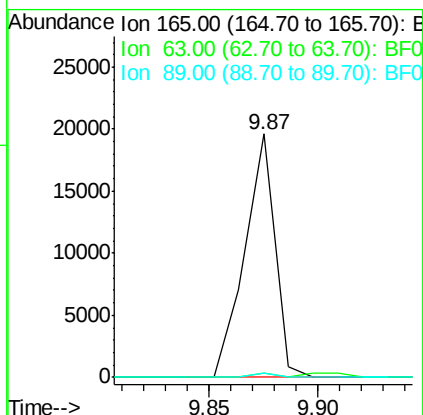
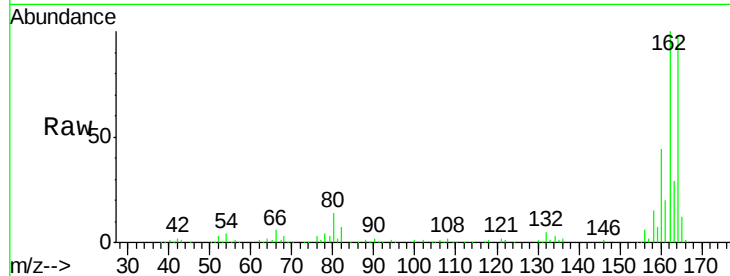




#50
 2,6-Dinitrotoluene
 Concen: 8.27 ng
 RT: 9.87 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF082266.D
 Acq: 13 Oct 2015 20:58

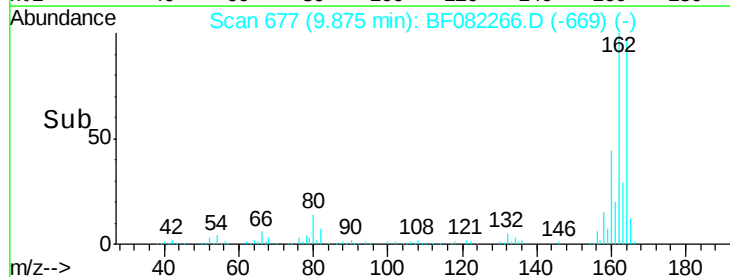
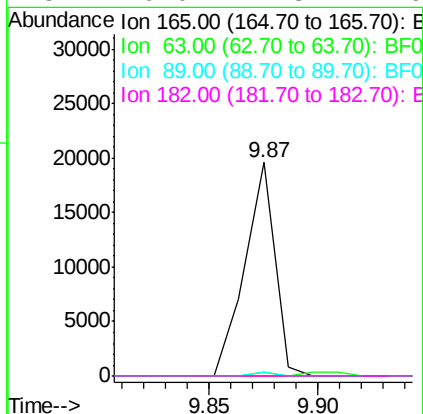
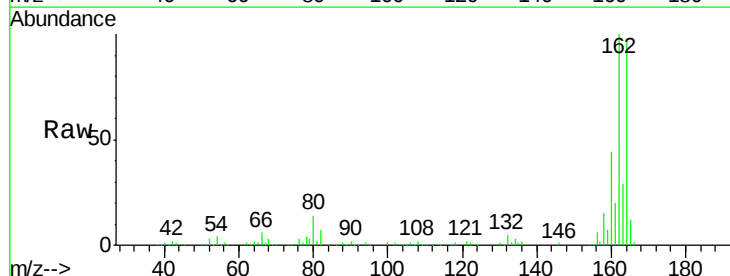
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-04)

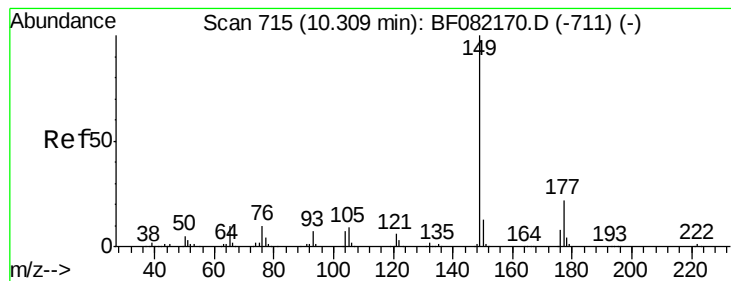
Tot Ion:165 Resp: 18891
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.7 55.1#
 89 1.6 37.8 56.6#



#56
 2,4-Dinitrotoluene
 Concen: 6.62 ng
 RT: 9.87 min Scan# 677
 Delta R.T. -0.21 min
 Lab File: BF082266.D
 Acq: 13 Oct 2015 20:58

Tgt Ion:165 Resp: 18891
 Ion Ratio Lower Upper
 165 100
 63 1.7 38.6 58.0#
 89 1.6 57.0 85.6#
 182 0.0 1.8 2.6#





#59

Diethylphthalate

Concen: 8.34 ng

RT: 10.30 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(1.5-04)

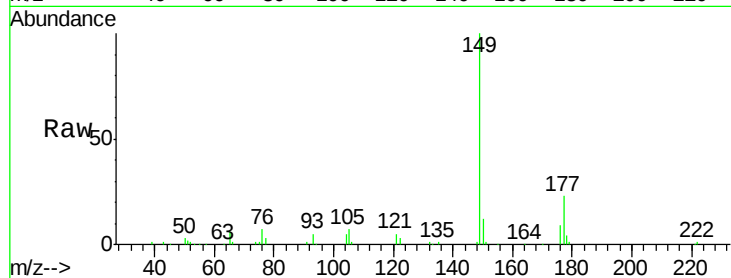
Tot Ion:149 Resp: 84160

Ion Ratio Lower Upper

149 100

177 23.4 17.6 26.4

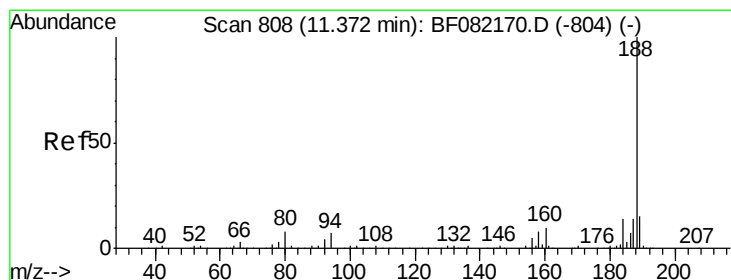
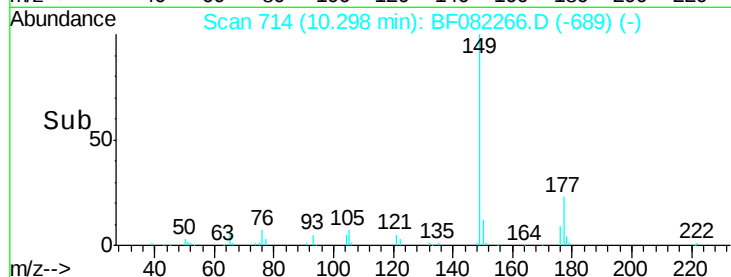
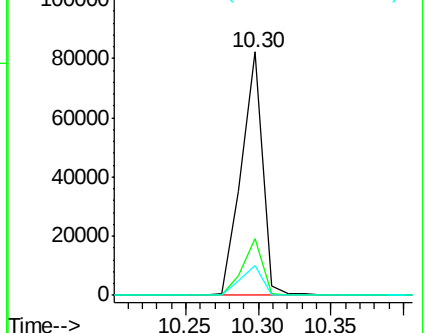
150 12.2 10.3 15.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF082266.D

Acq: 13 Oct 2015 20:58

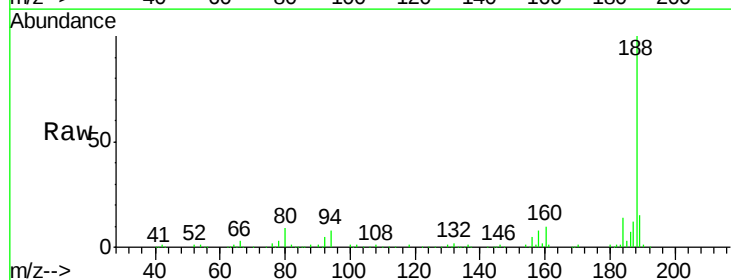
Tgt Ion:188 Resp: 300275

Ion Ratio Lower Upper

188 100

94 7.9 5.8 8.6

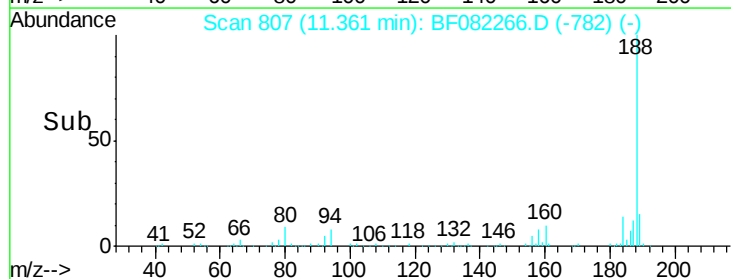
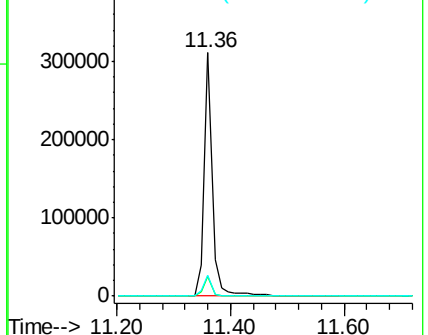
80 8.6 6.4 9.6

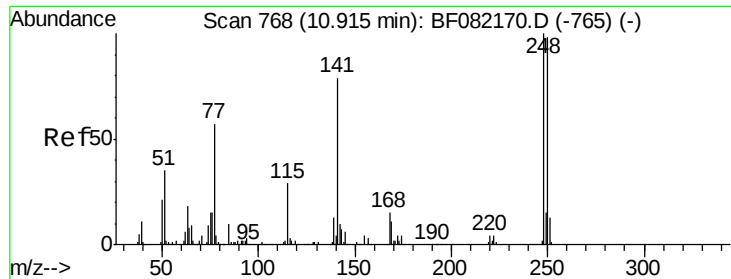


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

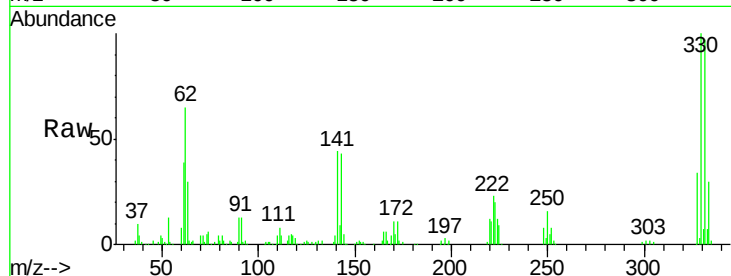




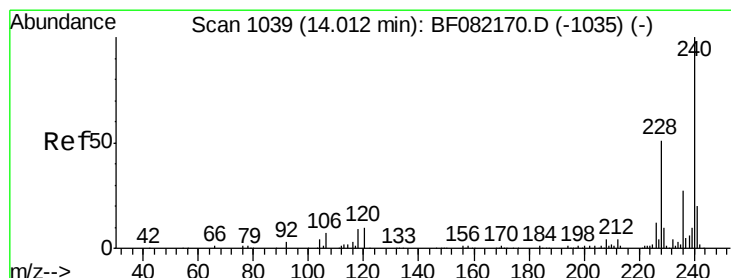
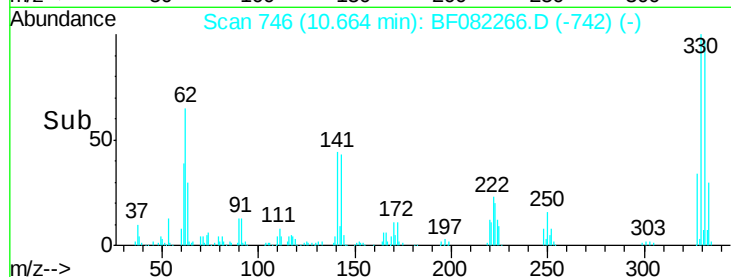
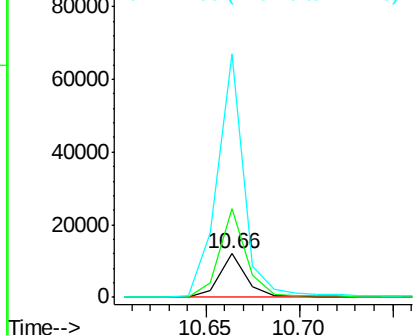
#66
4-Bromophenyl-phenylether
Concen: 4.03 ng
RT: 10.66 min Scan# 746
Delta R.T. -0.25 min
Lab File: BF082266.D
Acq: 13 Oct 2015 20:58

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-04)

Tot Ion:248 Resp: 12109
Ion Ratio Lower Upper
248 100
250 203.1 78.6 117.8#
141 559.9 63.3 94.9#

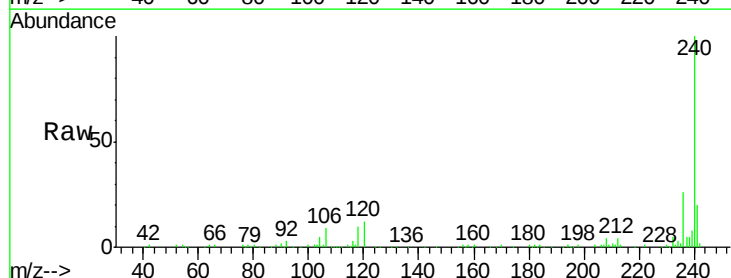


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

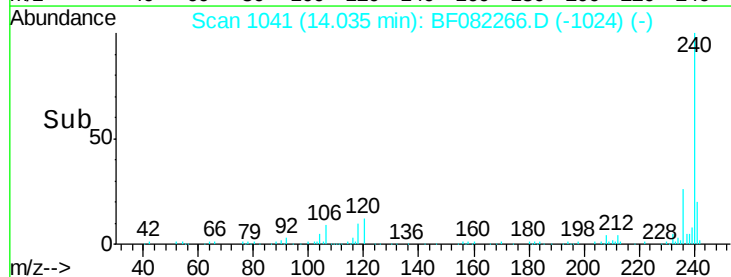
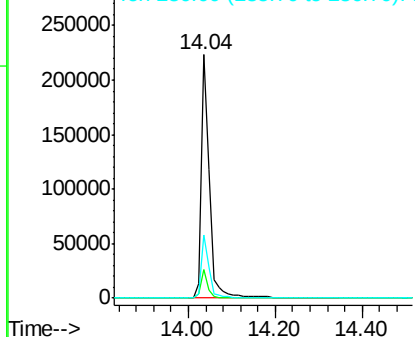


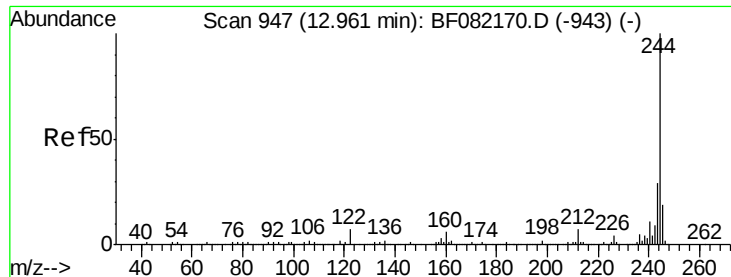
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1041
Delta R.T. -0.10 min
Lab File: BF082266.D
Acq: 13 Oct 2015 20:58

Tgt Ion:240 Resp: 283919
Ion Ratio Lower Upper
240 100
120 11.9 8.1 12.1
236 26.1 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

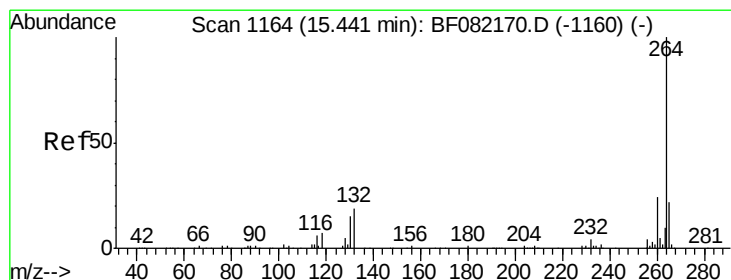
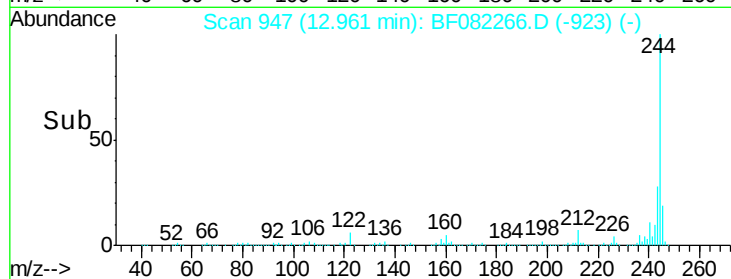
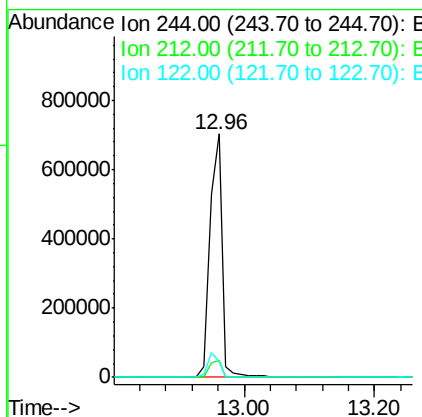
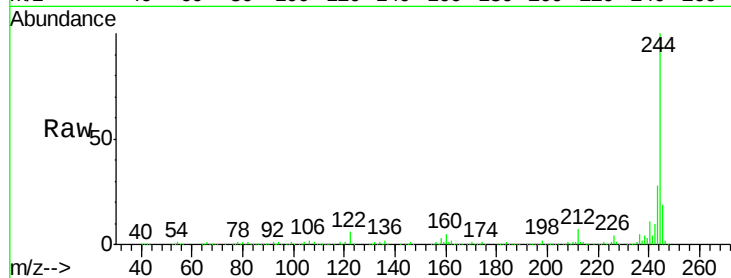




#78
 Terphenyl-d14
 Concen: 86.46 ng
 RT: 12.96 min Scan# 947
 Delta R.T. -0.02 min
 Lab File: BF082266.D
 Acq: 13 Oct 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-04)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	6.3	5.9	8.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 1174
 Delta R.T. -0.22 min
 Lab File: BF082266.D
 Acq: 13 Oct 2015 20:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.4	17.3	25.9

