

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087778.D
 Acq On : 7 Jun 2016 6:28
 Operator : UM/SJ
 Sample : H3349-03RE
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216DL

Quant Time: Jun 07 06:52:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

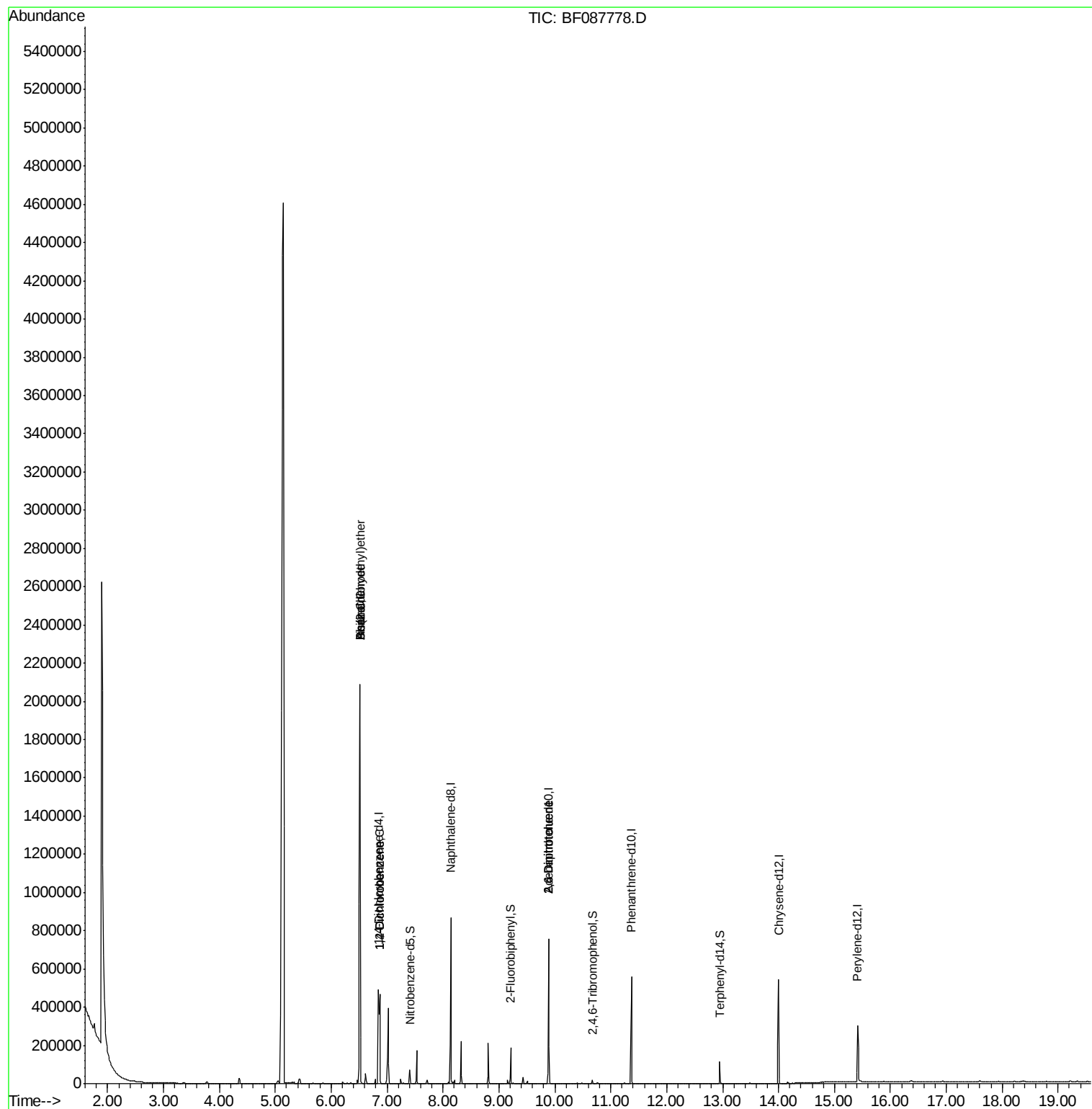
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	96686	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	391107	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	150419	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	246697	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	197740	20.00	ng	-0.02
86) Perylene-d12	15.42	264	141645	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.47	99	7424	0.99	ng	-0.02
23) Nitrobenzene-d5	7.40	82	22195	3.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	4702	3.11	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	57002	4.73	ng	-0.02
78) Terphenyl-d14	12.95	244	34887	4.31	ng	-0.02
Target Compounds						
6) Aniline	6.51	93	897377	84.39	ng	Qvalue 97
9) Benzaldehyde	6.51	77	11081	2.18	ng	# 1
10) Phenol	6.51	94	64833	7.59	ng	# 1
11) bis(2-Chloroethyl)ether	6.51	93	897377	144.58	ng	# 20
13) 1,4-Dichlorobenzene	6.87	146	100772	13.63	ng	97
14) 1,2-Dichlorobenzene	6.87	146	100772	14.54	ng	96
50) 2,6-Dinitrotoluene	9.88	165	19040	7.65	ng	# 37
56) 2,4-Dinitrotoluene	9.88	165	19041	6.01	ng	# 36

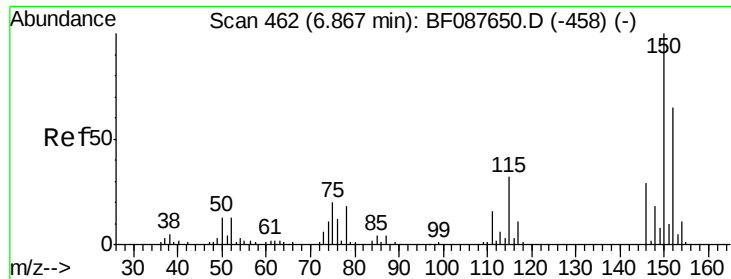
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF087778.D

Acq: 7 Jun 2016 6:28

Instrument :

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ClientSampleId :

SYSDIS-060216DL

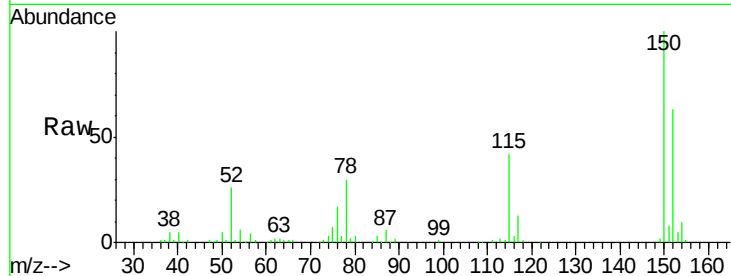
Tgt Ion:152 Resp: 96686

Ion Ratio Lower Upper

152 100

150 159.6 123.8 185.6

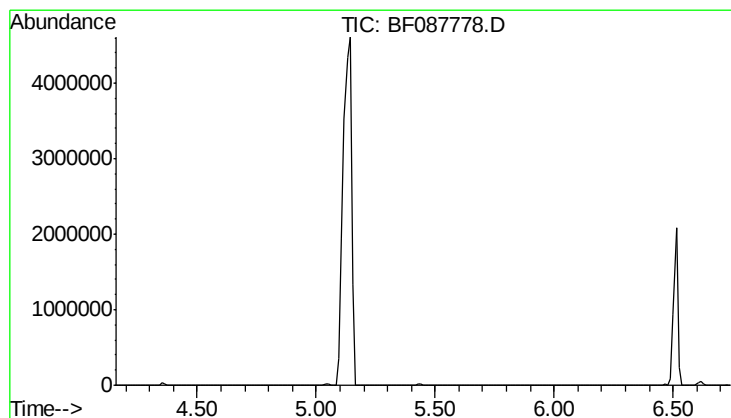
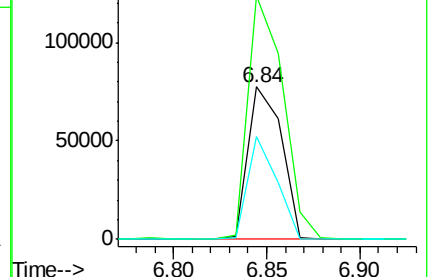
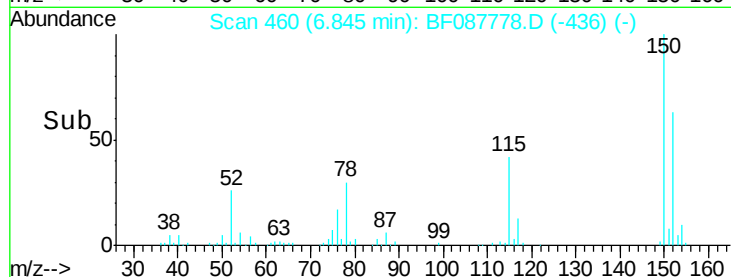
115 67.3 39.6 59.4#



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: 0.00 ng

Expected RT: 5.45 min

Lab File: BF087778.D

Acq: 7 Jun 2016 6:28

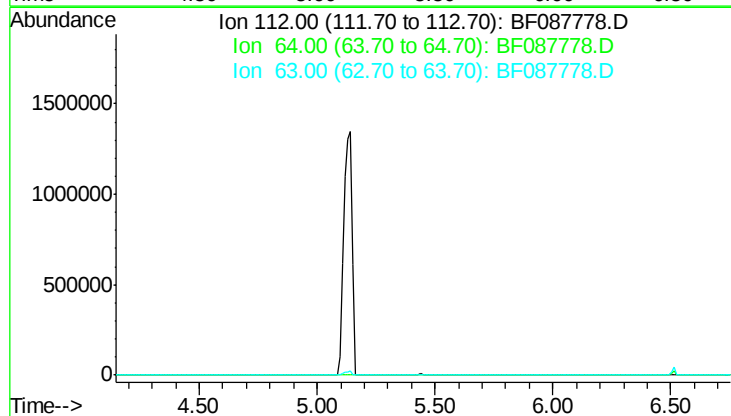
Tgt Ion: 112

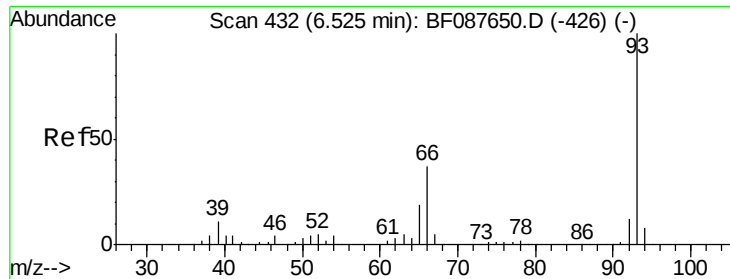
Sig Exp Ratio

112 100

64 52.7

63 27.3





#6

Aniline

Concen: 84.39 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF087778.D

Acq: 7 Jun 2016 6:28

Instrument :

BNA_F

ClientSampleId :

SYSDIS-060216DL

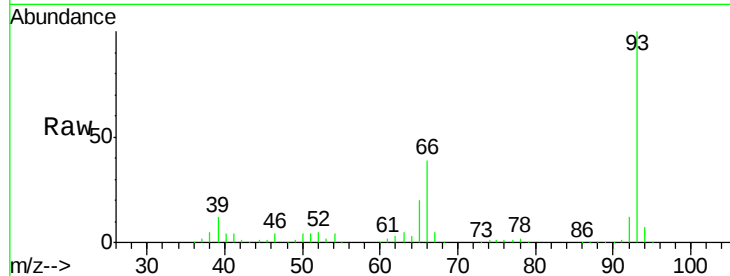
Tgt Ion: 93 Resp: 897377

Ion Ratio Lower Upper

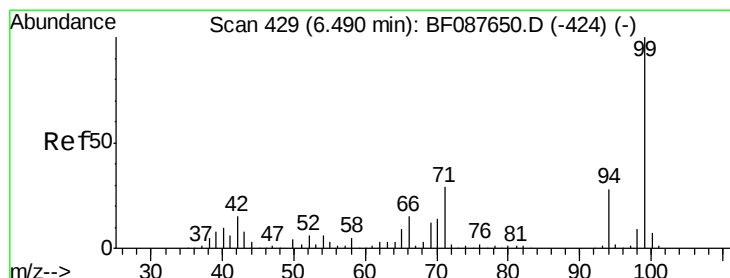
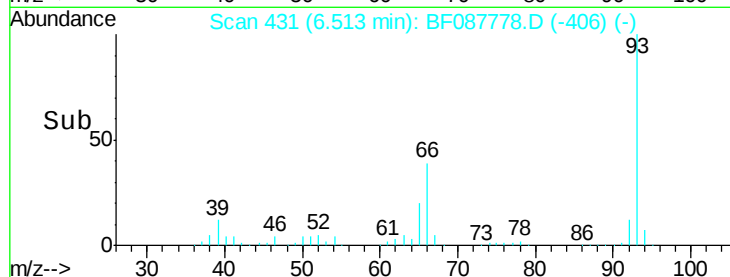
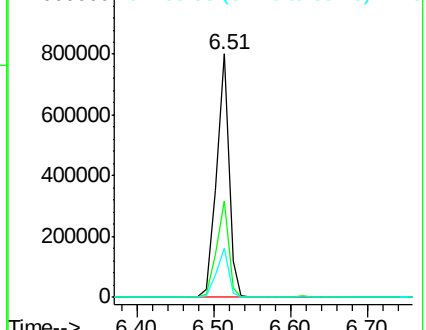
93 100

66 39.4 29.8 44.8

65 20.1 14.9 22.3



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 0.99 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087778.D

Acq: 7 Jun 2016 6:28

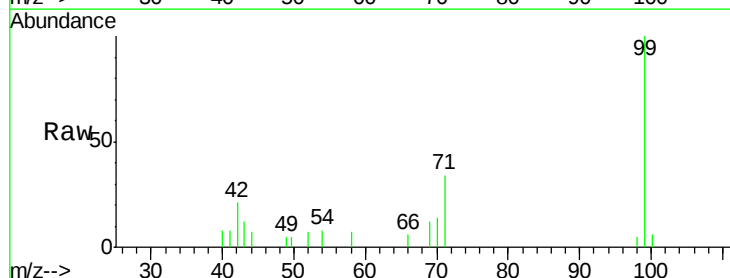
Tgt Ion: 99 Resp: 7424

Ion Ratio Lower Upper

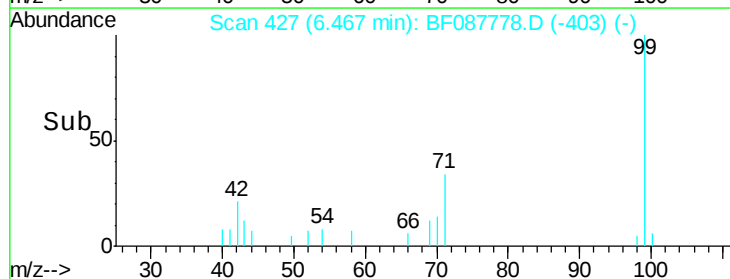
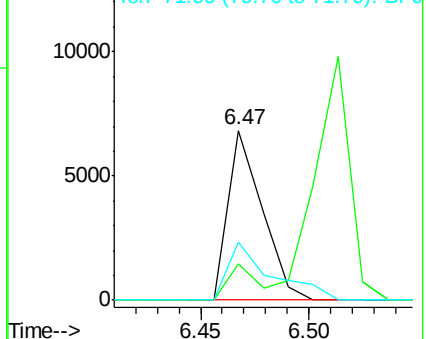
99 100

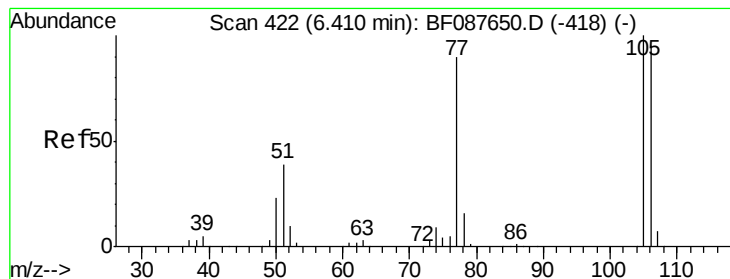
42 21.3 12.2 18.2#

71 34.1 23.4 35.0



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: 2.18 ng

RT: 6.51 min Scan# 431

Delta R.T. 0.10 min

Lab File: BF087778.D

Acq: 7 Jun 2016 6:28

Instrument :

BNA_F

ClientSampleId :

SYSDIS-060216DL

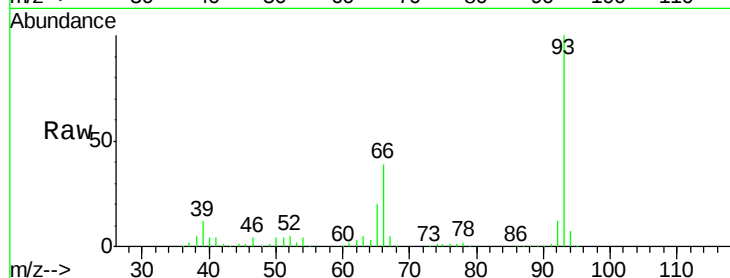
Tgt Ion: 77 Resp: 11081

Ion Ratio Lower Upper

77 100

105 0.0 90.6 130.6#

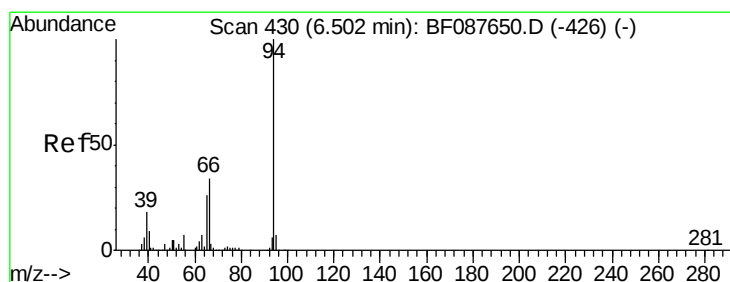
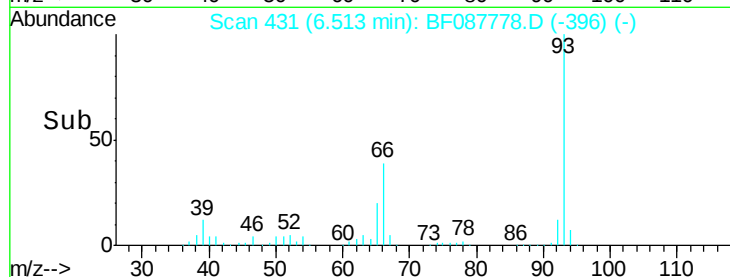
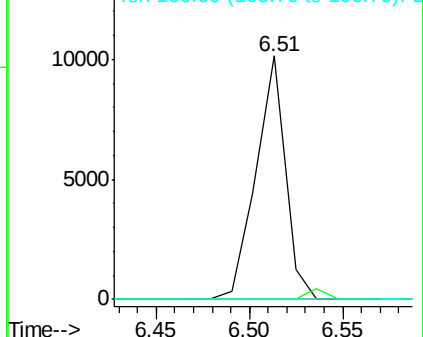
106 0.0 85.3 125.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 7.59 ng

RT: 6.51 min Scan# 431

Delta R.T. 0.01 min

Lab File: BF087778.D

Acq: 7 Jun 2016 6:28

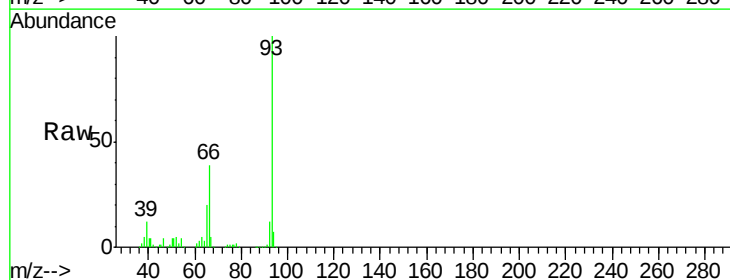
Tgt Ion: 94 Resp: 64833

Ion Ratio Lower Upper

94 100

65 275.1 5.9 45.9#

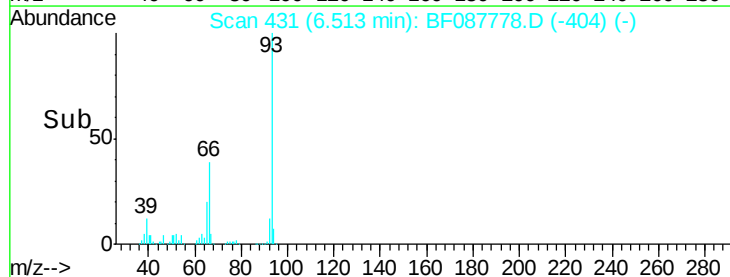
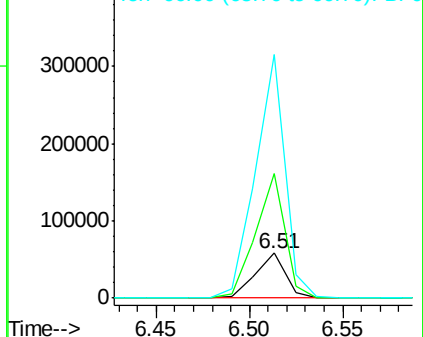
66 539.9 14.0 54.0#

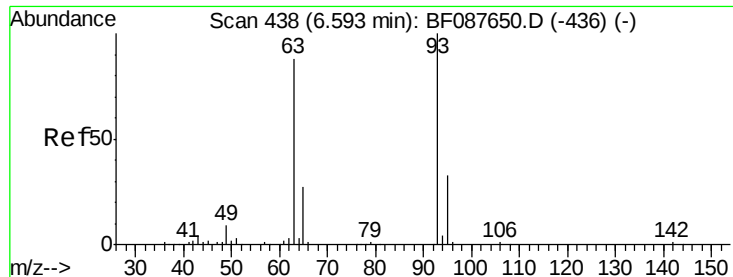


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

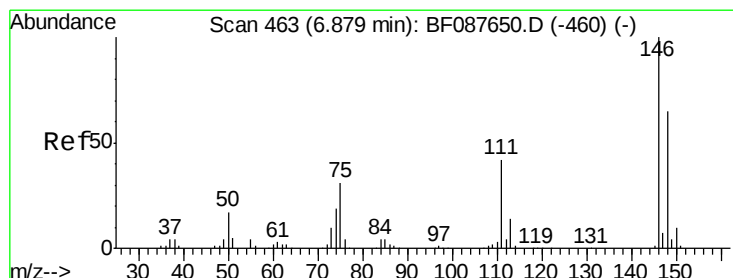
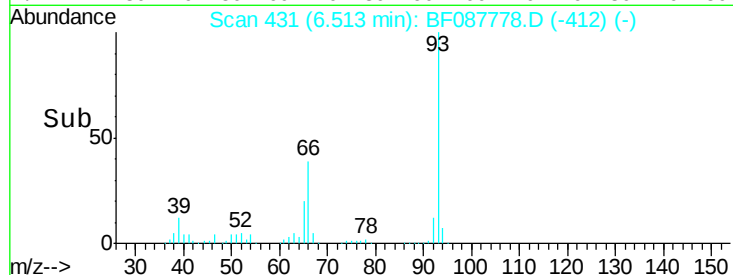
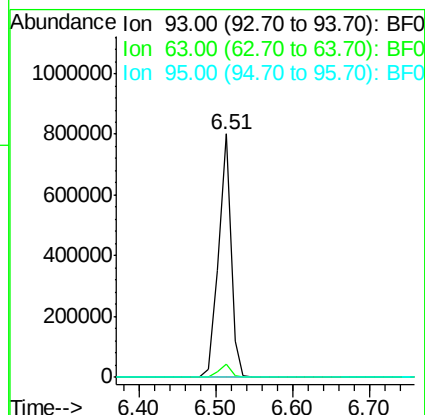
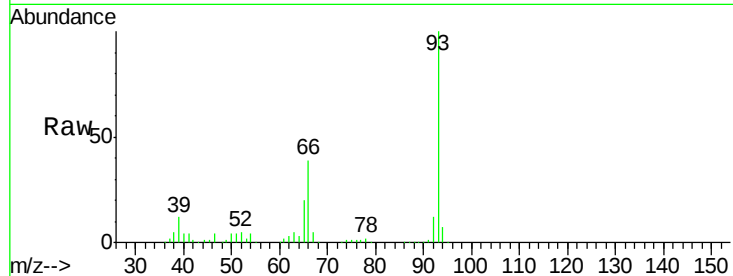




#11
bis(2-Chloroethyl)ether
Concen: 144.58 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.08 min
Lab File: BF087778.D
Acq: 7 Jun 2016 6:28

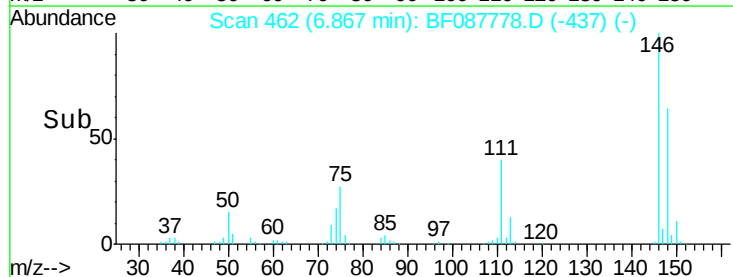
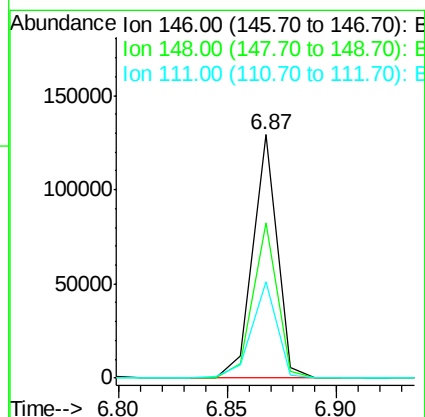
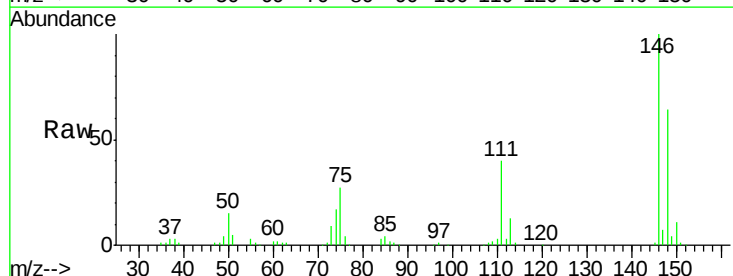
Instrument :
BNA_F
ClientSampleId :
SYSDIS-060216DL

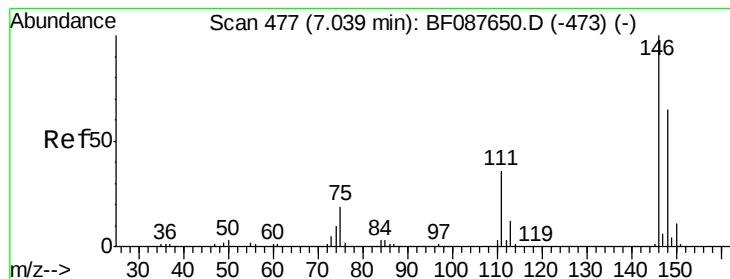
Tgt Ion: 93 Resp: 897377
Ion Ratio Lower Upper
93 100
63 5.3 67.6 107.6#
95 0.2 12.5 52.5#



#13
1,4-Dichlorobenzene
Concen: 13.63 ng
RT: 6.87 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF087778.D
Acq: 7 Jun 2016 6:28

Tgt Ion: 146 Resp: 100772
Ion Ratio Lower Upper
146 100
148 63.7 52.0 78.0
111 39.6 33.8 50.8





#14

1,2-Dichlorobenzene

Concen: 14.54 ng

RT: 6.87 min Scan# 462

Delta R.T. -0.17 min

Lab File: BF087778.D

Acq: 7 Jun 2016 6:28

Instrument :

BNA_F

ClientSampleId :

SYSDIS-060216DL

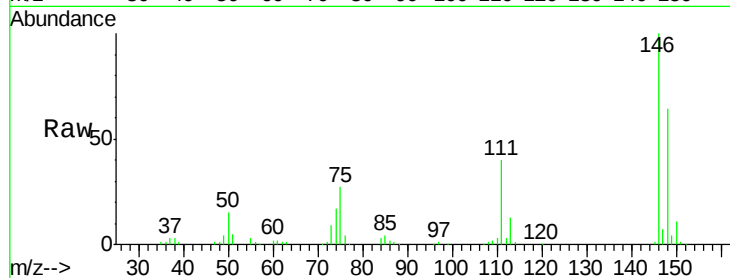
Tgt Ion:146 Resp: 100772

Ion Ratio Lower Upper

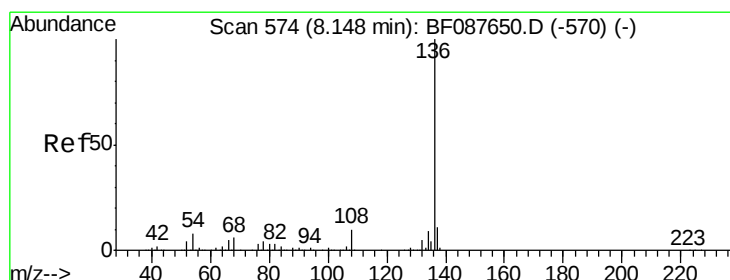
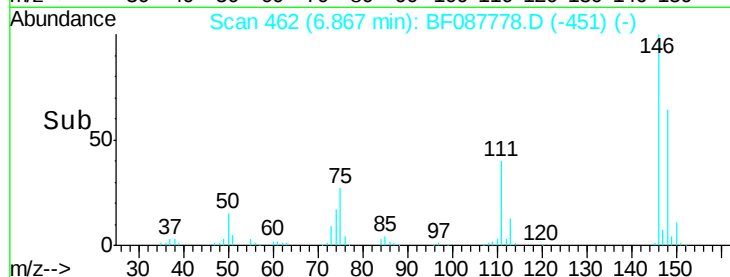
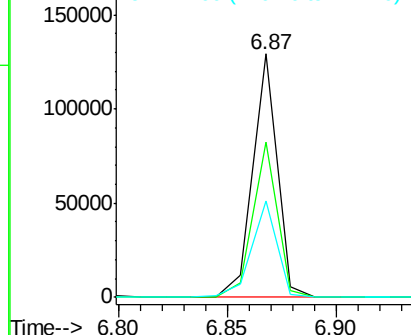
146 100

148 63.7 52.3 78.5

111 39.6 28.7 43.1



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF087778.D

Acq: 7 Jun 2016 6:28

Tgt Ion:136 Resp: 391107

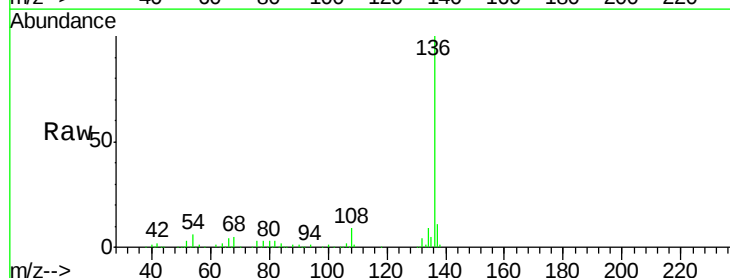
Ion Ratio Lower Upper

136 100

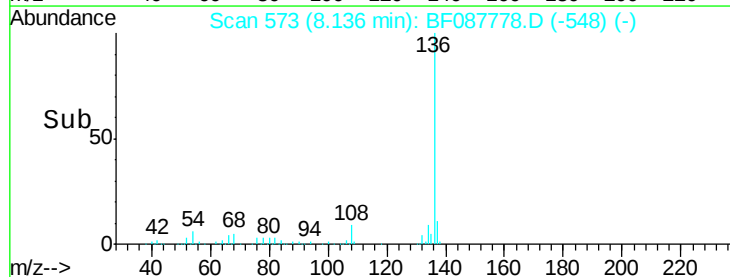
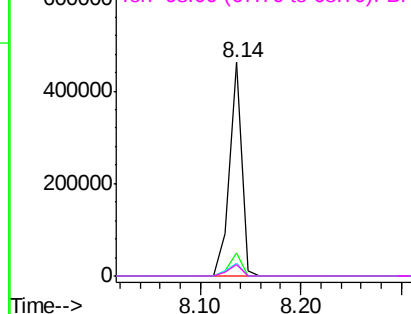
137 11.0 9.1 13.7

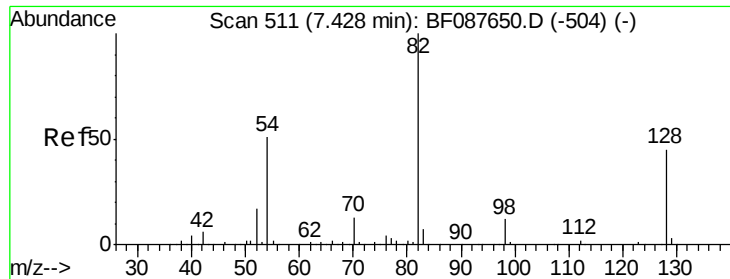
54 6.3 6.6 10.0#

68 5.2 5.1 7.7



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

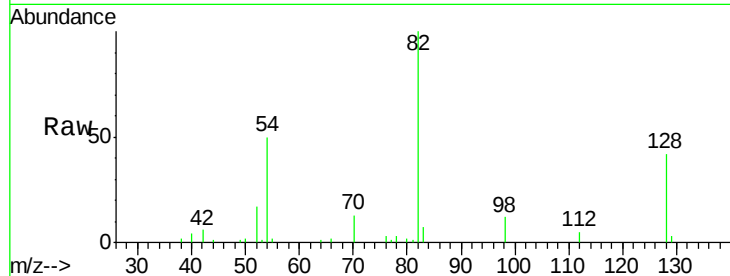




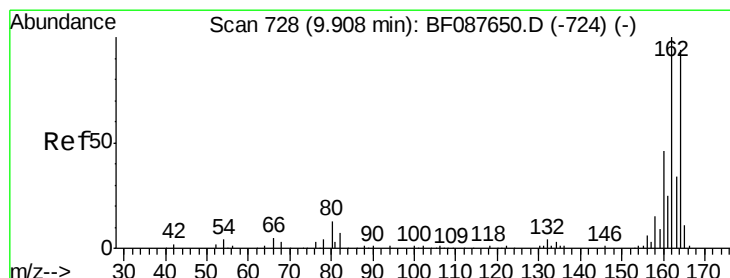
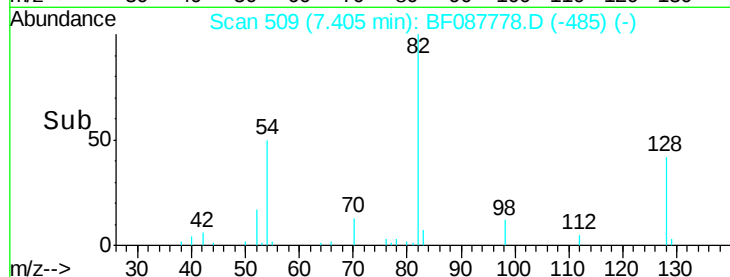
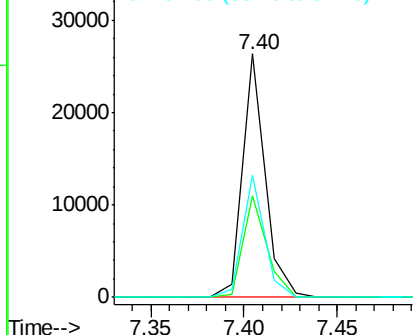
#23
 Nitrobenzene-d5
 Concen: 3.28 ng
 RT: 7.40 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: BF087778.D
 Acq: 7 Jun 2016 6:28

Instrument :
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 SYSDIS-060216DL

Tgt Ion: 82 Resp: 22195
 Ion Ratio Lower Upper
 82 100
 128 41.8 35.9 53.9
 54 49.9 40.9 61.3

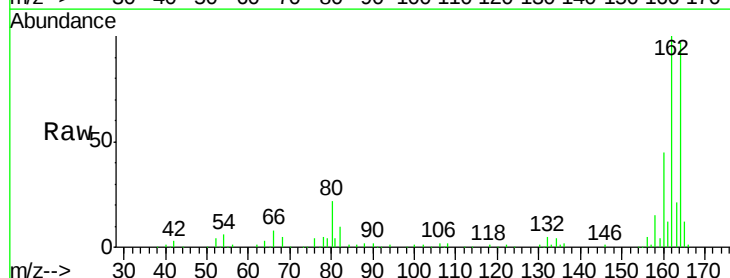


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

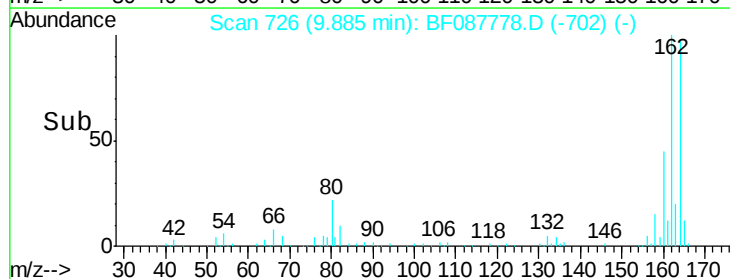
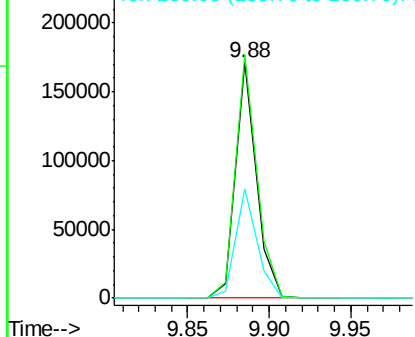


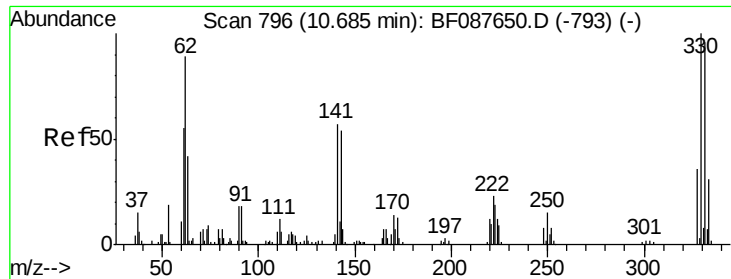
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF087778.D
 Acq: 7 Jun 2016 6:28

Tgt Ion: 164 Resp: 150419
 Ion Ratio Lower Upper
 164 100
 162 103.4 85.4 128.2
 160 46.5 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

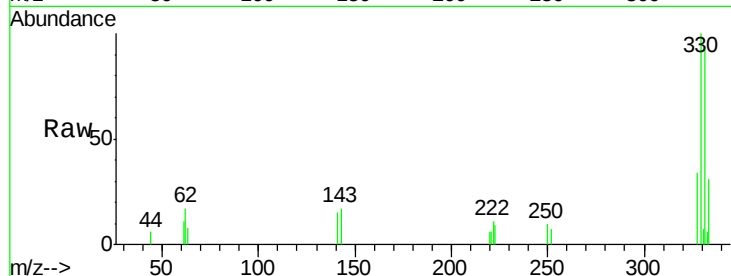




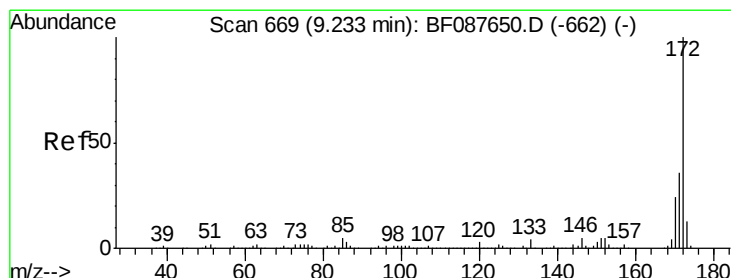
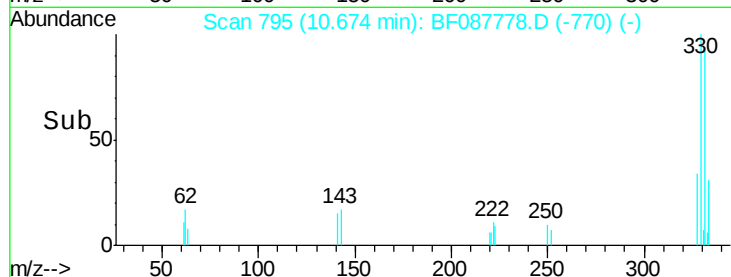
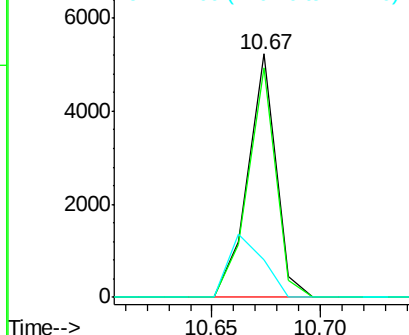
#41
 2,4,6-Tribromophenol
 Concen: 3.11 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087778.D
 Acq: 7 Jun 2016 6:28

Instrument :
 BNA_F
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 SYSDIS-060216DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.0	0.0	0.0#
141	31.6	0.0	0.0#

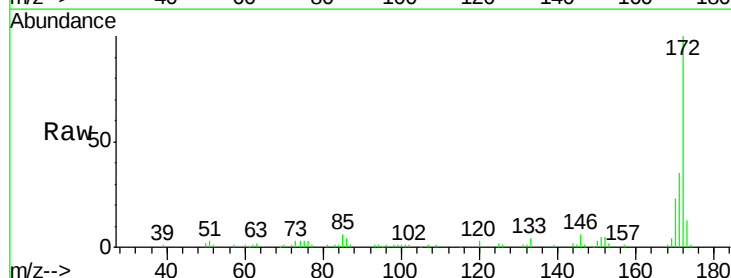


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

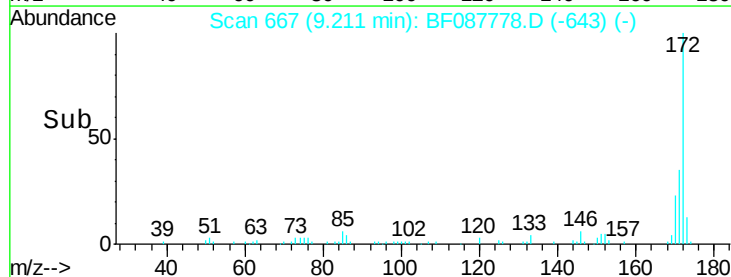
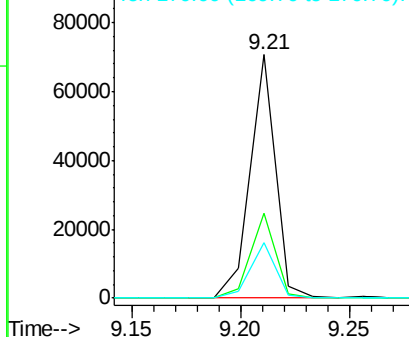


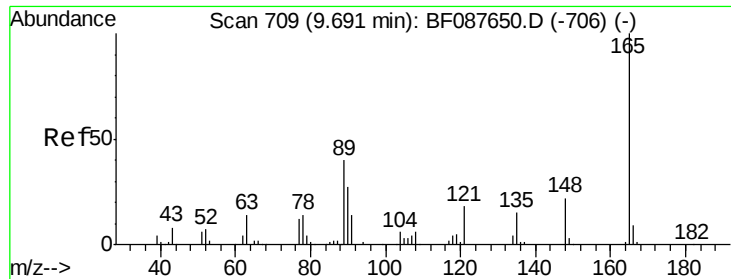
#44
 2-Fluorobiphenyl
 Concen: 4.73 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087778.D
 Acq: 7 Jun 2016 6:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.8	19.2	28.8



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

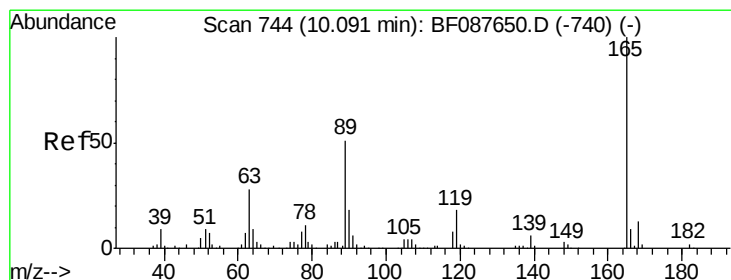
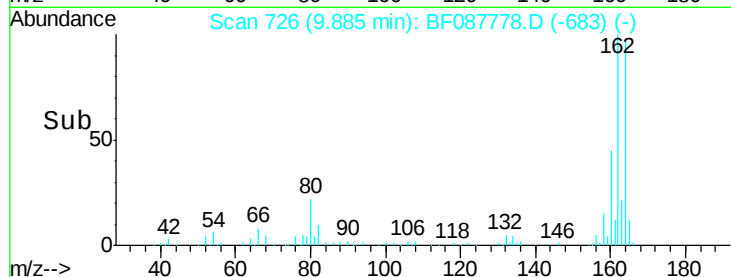
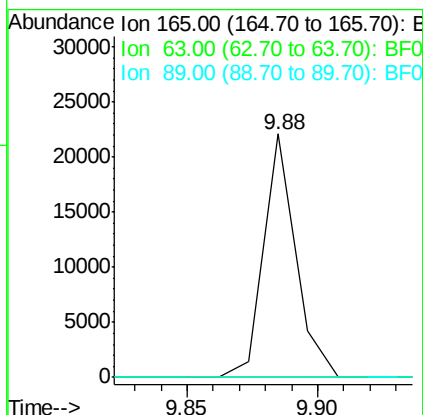
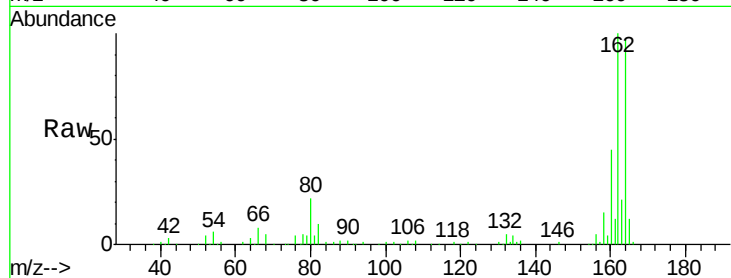




#50
 2,6-Dinitrotoluene
 Concen: 7.65 ng
 RT: 9.88 min Scan# 726
 Delta R.T. 0.19 min
 Lab File: BF087778.D
 Acq: 7 Jun 2016 6:28

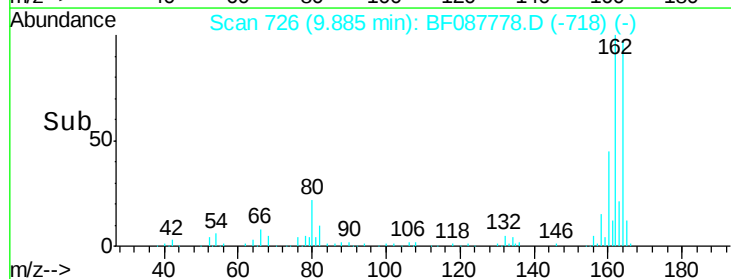
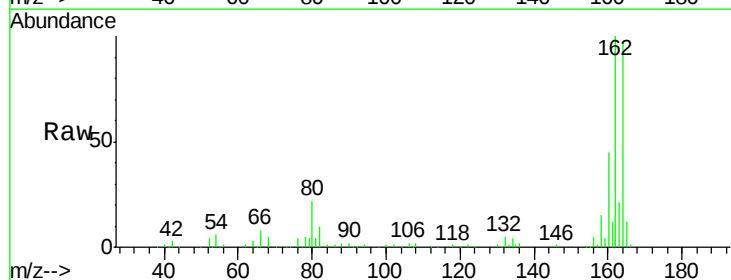
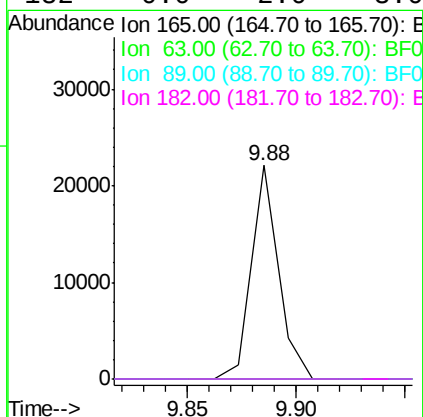
Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216DL

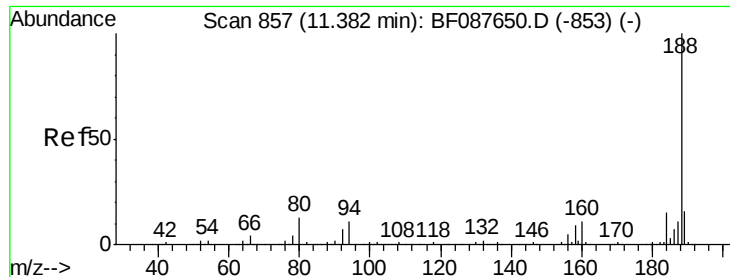
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 6.01 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.21 min
 Lab File: BF087778.D
 Acq: 7 Jun 2016 6:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

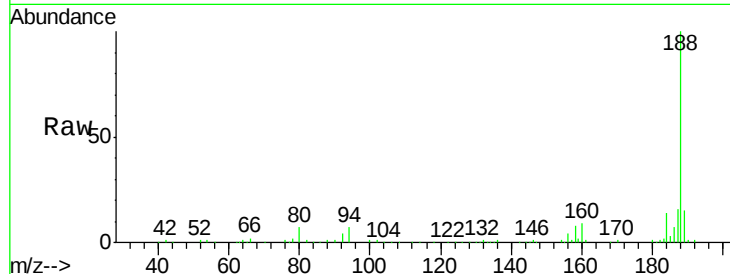




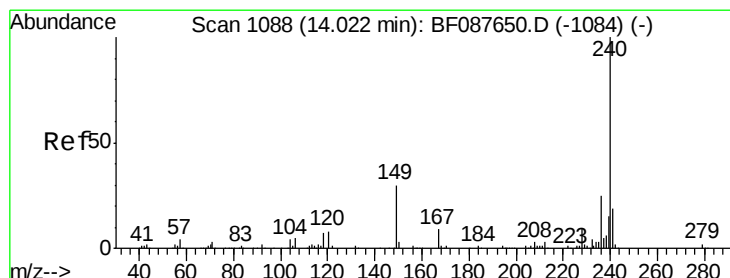
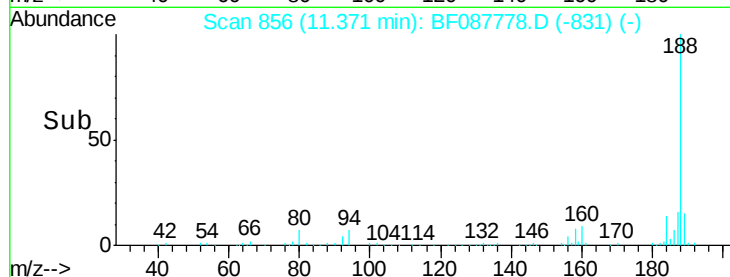
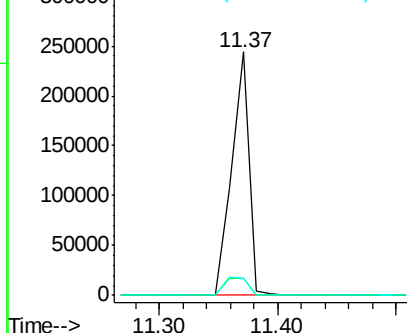
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087778.D
Acq: 7 Jun 2016 6:28

Instrument :
BNA_F
ClientSampleId :
SYSDIS-060216DL

Tgt Ion:188 Resp: 246697
Ion Ratio Lower Upper
188 100
94 6.9 9.0 13.6#
80 7.1 10.0 15.0#

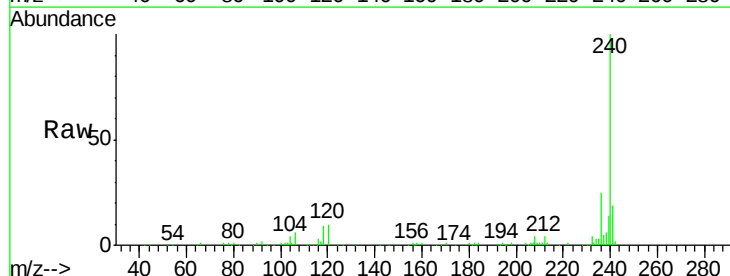


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

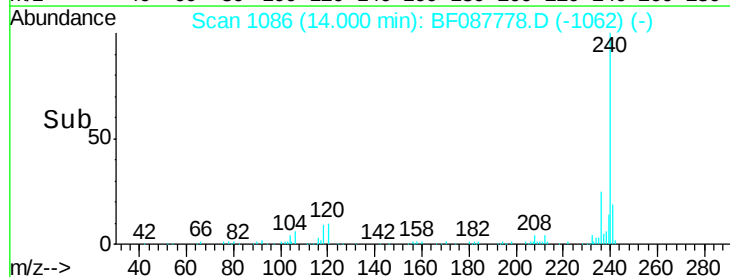
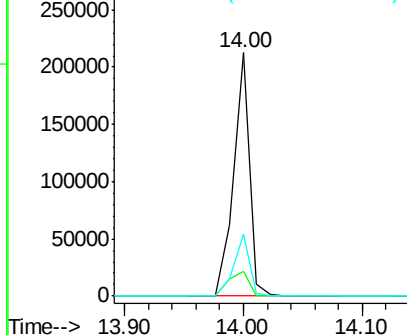


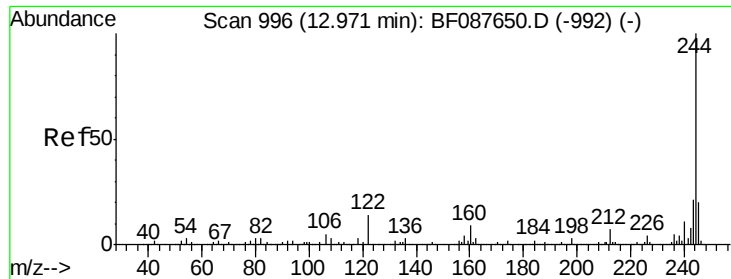
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BF087778.D
Acq: 7 Jun 2016 6:28

Tgt Ion:240 Resp: 197740
Ion Ratio Lower Upper
240 100
120 10.1 6.8 10.2
236 25.4 20.2 30.2



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

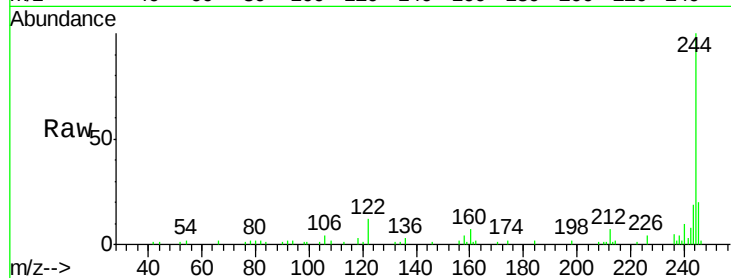




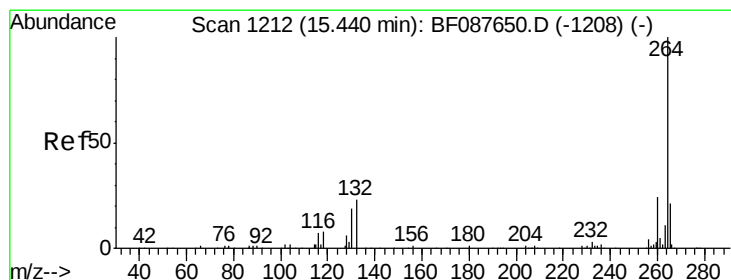
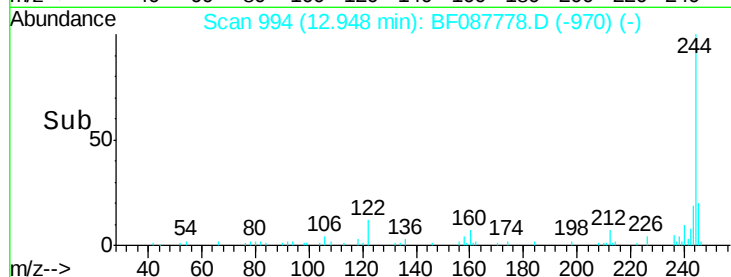
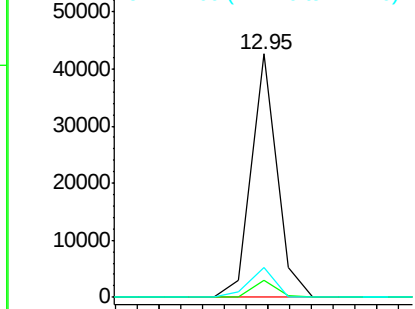
#78
 Terphenyl-d14
 Concen: 4.31 ng
 RT: 12.95 min Scan# 994
 Delta R.T. -0.02 min
 Lab File: BF087778.D
 Acq: 7 Jun 2016 6:28

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216DL

Tgt Ion:244 Resp: 34887
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 12.4 11.2 16.8

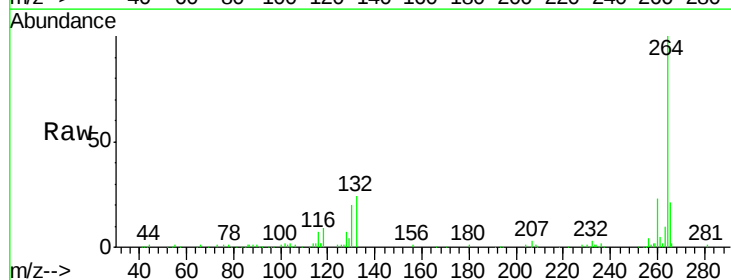


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. -0.02 min
 Lab File: BF087778.D
 Acq: 7 Jun 2016 6:28

Tgt Ion:264 Resp: 141645
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.5 16.9 25.3



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

