

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087776.D
 Acq On : 7 Jun 2016 5:28
 Operator : UM/SJ
 Sample : H3345-03DL 500X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

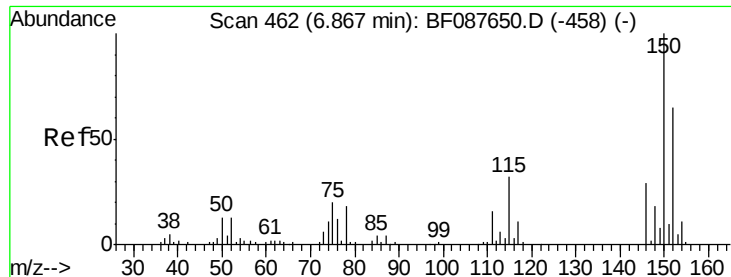
Instrument :
 BNA_F
 ClientSampleId :
 MW-14DL

Quant Time: Jun 07 06:50:42 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	7.00	152	3502	20.00	ng	0.14
21) Naphthalene-d8	8.14	136	365560	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	141390	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	233007	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	187545	20.00	ng	-0.02
86) Perylene-d12	15.42	264	140480	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	2219	10.24	ng	-0.01
7) Phenol-d6	6.47	99	1844	6.79	ng	-0.02
23) Nitrobenzene-d5	7.40	82	3803	0.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	959	0.68	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	11086	1.21	ng	-0.02
78) Terphenyl-d14	12.95	244	7172	0.93	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.56	77	976	5.31	ng	# 1
15) Benzyl Alcohol	6.90	79	699	3.48	ng	# 5
18) Hexachloroethane	7.51	117	626	6.68	ng	# 1
19) n-Nitroso-di-n-propylamine	7.40	70	409	2.41	ng	# 81
31) Naphthalene	8.16	128	937491	52.75	ng	99
33) 4-Chloroaniline	8.16	127	124012	16.06	ng	# 32
37) 2-Methylnaphthalene	8.84	142	48116	4.10	ng	97
48) Acenaphthylene	9.75	152	38547	2.71	ng	98
50) 2,6-Dinitrotoluene	9.88	165	17895	7.65	ng	# 39
56) 2,4-Dinitrotoluene	9.88	165	17895	6.01	ng	# 37

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

```
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ALS Vial  : 31 Sample Multiplier: 1
```

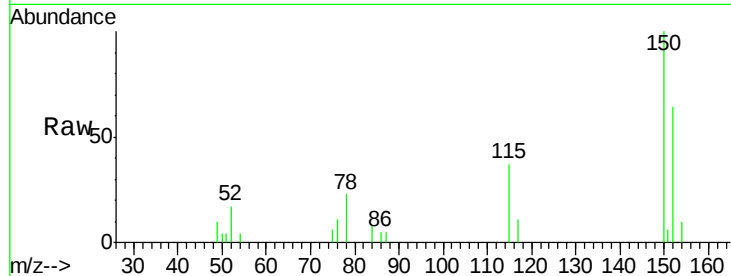


#1

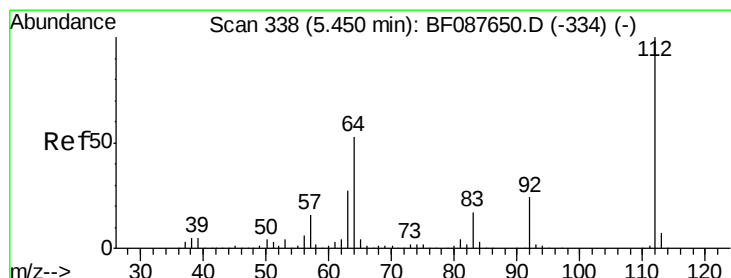
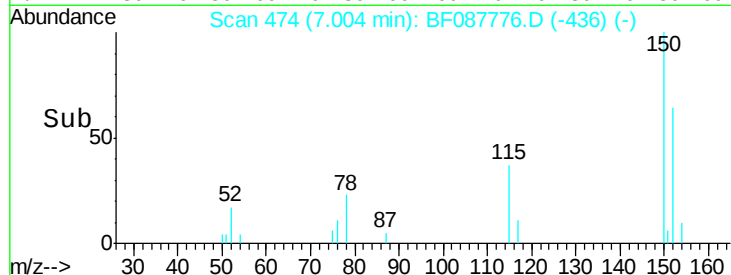
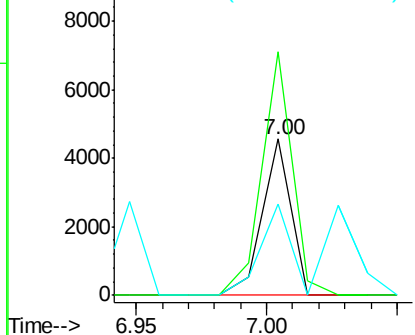
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.00 min Scan# 474
 Delta R.T. 0.14 min
 Lab File: BF087776.D
 Acq: 7 Jun 2016 5:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-14DL

Tgt Ion:152 Resp: 3502
 Ion Ratio Lower Upper
 152 100
 150 155.9 123.8 185.6
 115 58.4 39.6 59.4



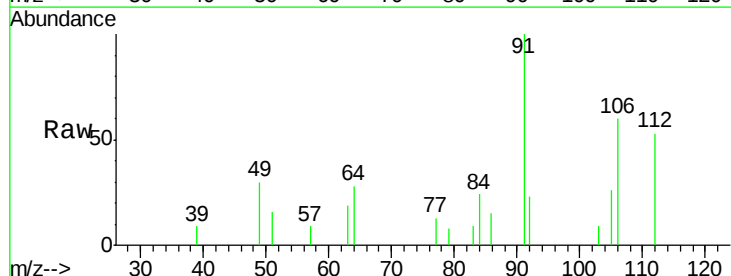
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



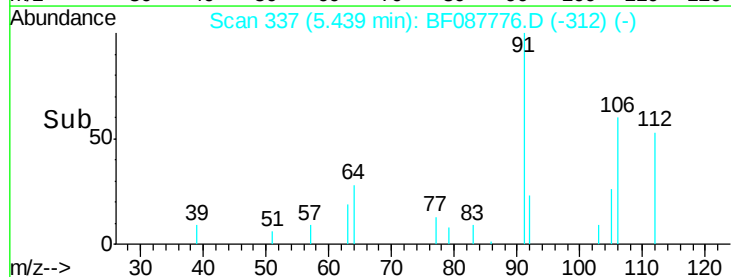
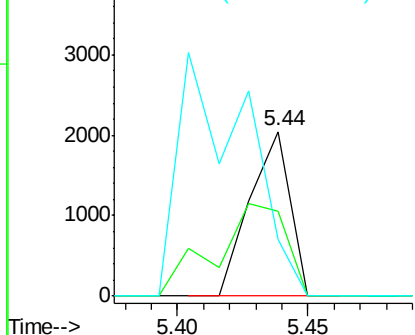
#5

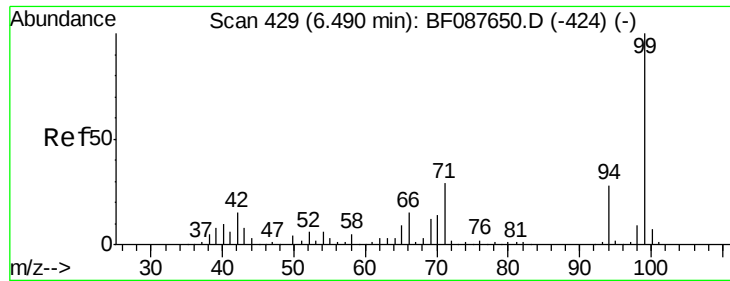
2-Fluorophenol
 Concen: 10.24 ng
 RT: 5.44 min Scan# 337
 Delta R.T. -0.01 min
 Lab File: BF087776.D
 Acq: 7 Jun 2016 5:28

Tgt Ion:112 Resp: 2219
 Ion Ratio Lower Upper
 112 100
 64 51.6 42.2 63.2
 63 34.7 21.8 32.8#



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: 6.79 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087776.D

Acq: 7 Jun 2016 5:28

Instrument :

BNA_F

ClientSampleId :

MW-14DL

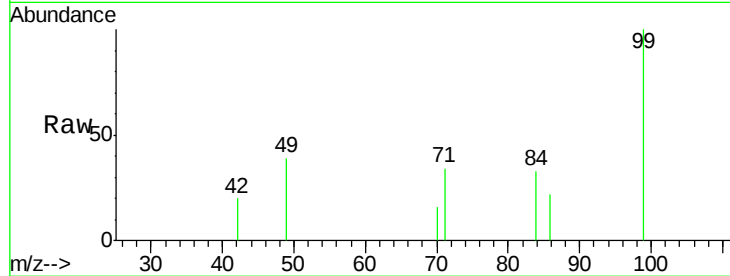
Tgt Ion: 99 Resp: 1844

Ion Ratio Lower Upper

99 100

42 20.1 12.2 18.2#

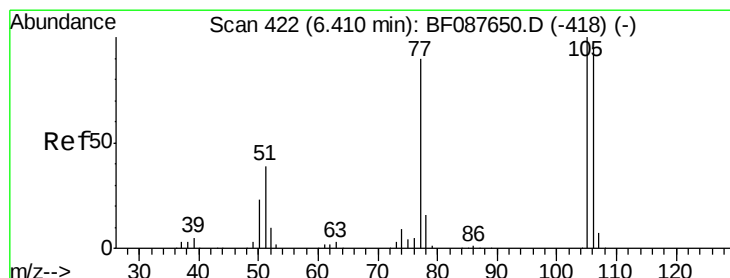
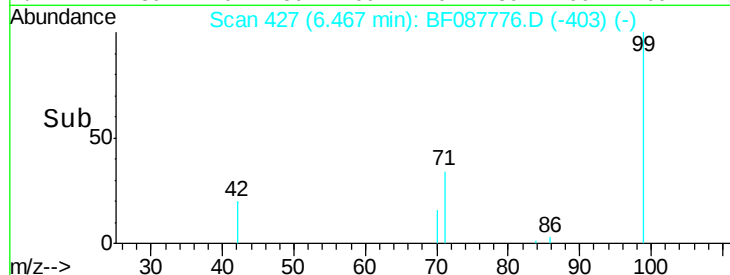
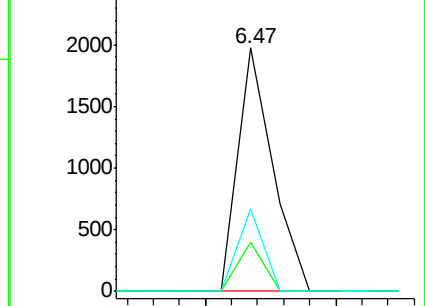
71 33.7 23.4 35.0



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: 5.31 ng

RT: 6.56 min Scan# 435

Delta R.T. 0.15 min

Lab File: BF087776.D

Acq: 7 Jun 2016 5:28

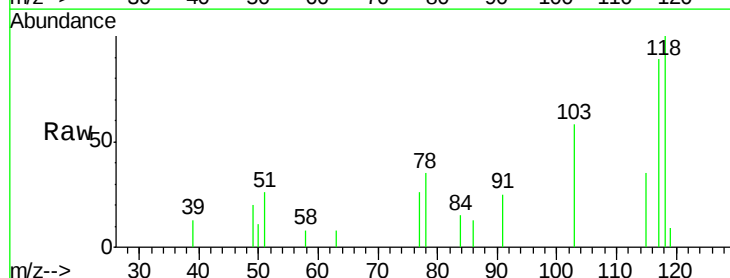
Tgt Ion: 77 Resp: 976

Ion Ratio Lower Upper

77 100

105 0.0 90.6 130.6#

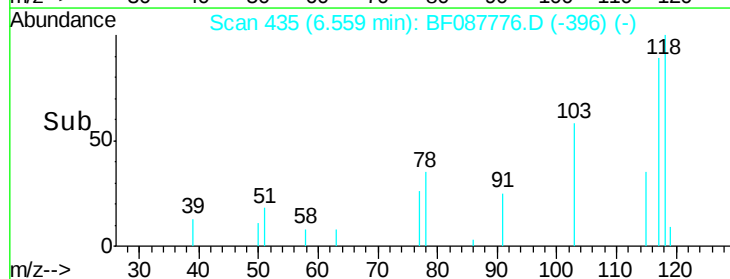
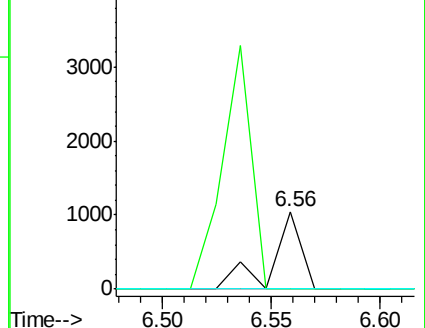
106 0.0 85.3 125.3#

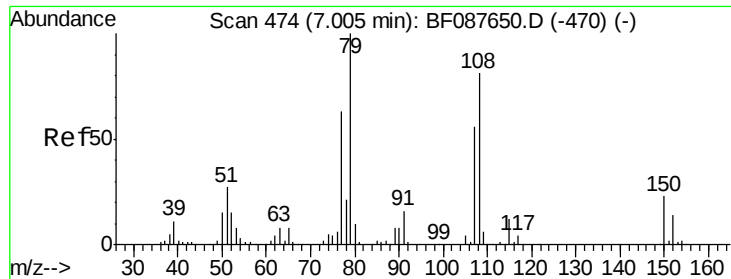


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 3.48 ng

RT: 6.90 min Scan# 465

Delta R.T. -0.10 min

Lab File: BF087776.D

Acq: 7 Jun 2016 5:28

Instrument :

BNA_F

ClientSampled :

MW-14DL

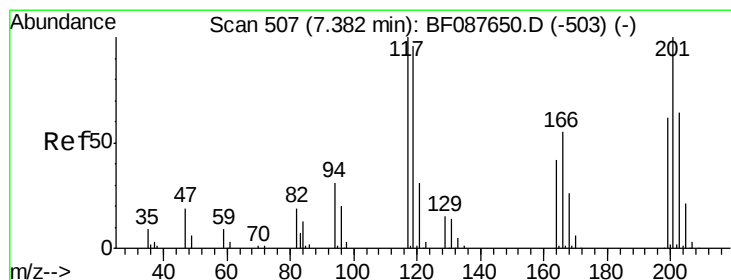
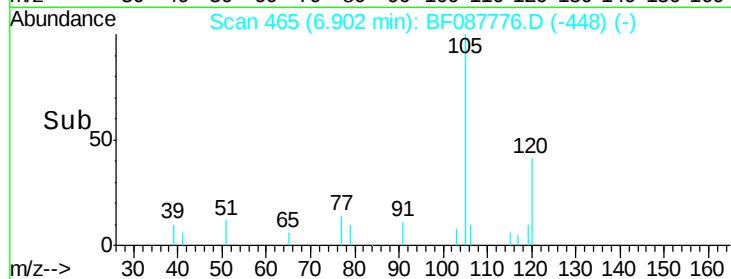
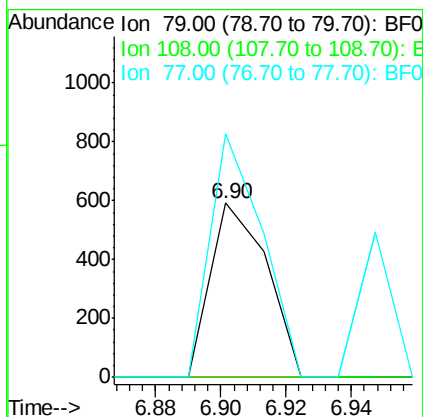
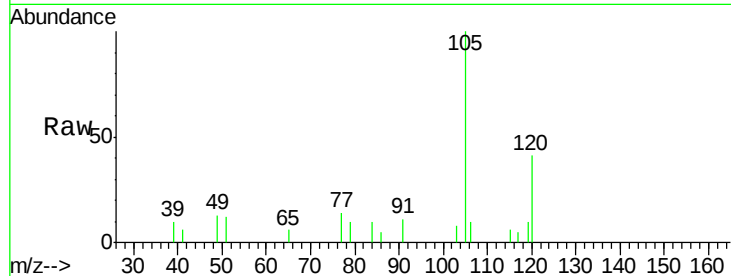
Tgt Ion: 79 Resp: 699

Ion Ratio Lower Upper

79 100

108 0.0 65.0 97.6#

77 139.7 50.3 75.5#



#18

Hexachloroethane

Concen: 6.68 ng

RT: 7.51 min Scan# 518

Delta R.T. 0.13 min

Lab File: BF087776.D

Acq: 7 Jun 2016 5:28

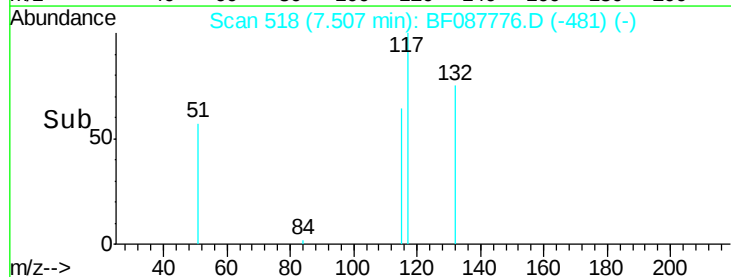
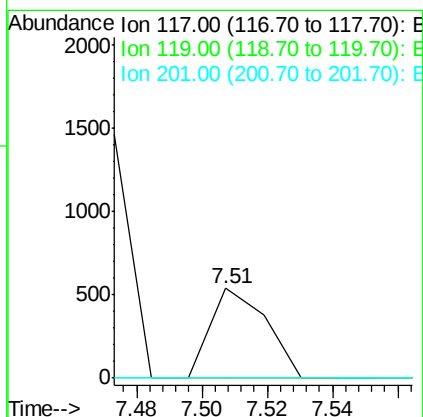
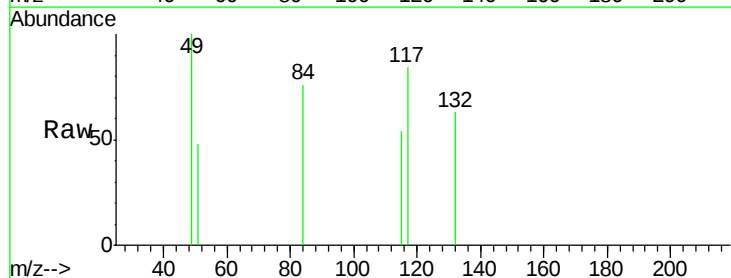
Tgt Ion: 117 Resp: 626

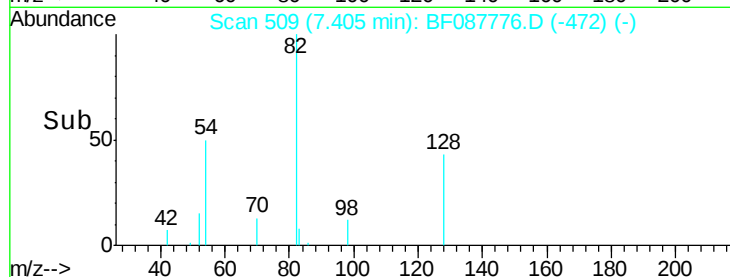
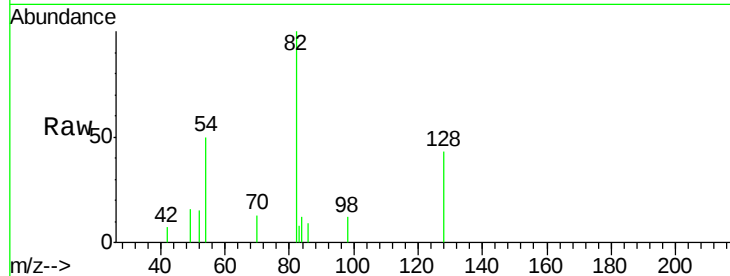
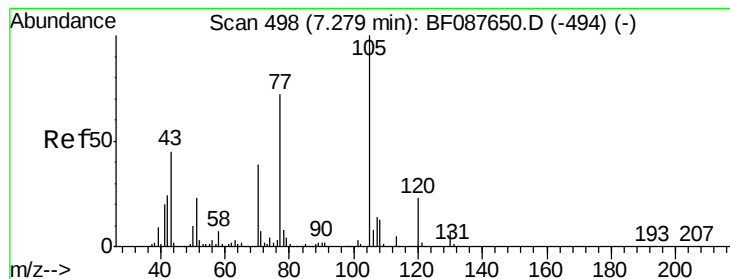
Ion Ratio Lower Upper

117 100

119 0.0 77.4 116.2#

201 0.0 80.4 120.6#





#19

n-Nitroso-di-n-propylamine

Concen: 2.41 ng

RT: 7.40 min Scan# 509

Delta R.T. 0.13 min

Lab File: BF087776.D

Acq: 7 Jun 2016 5:28

Instrument :

BNA_F

ClientSampleId :

MW-14DL

Tgt Ion: 70 Resp: 409

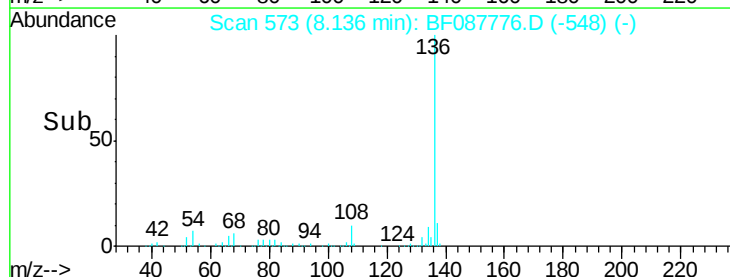
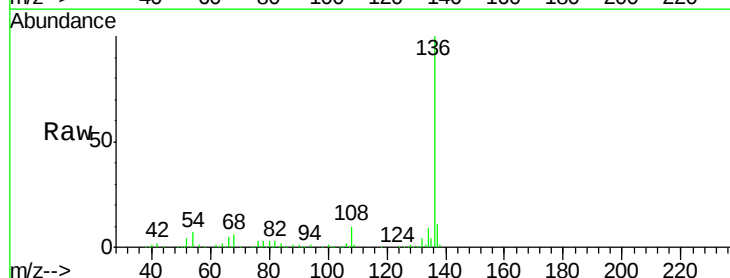
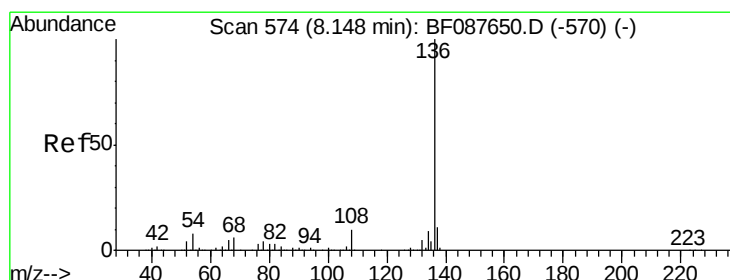
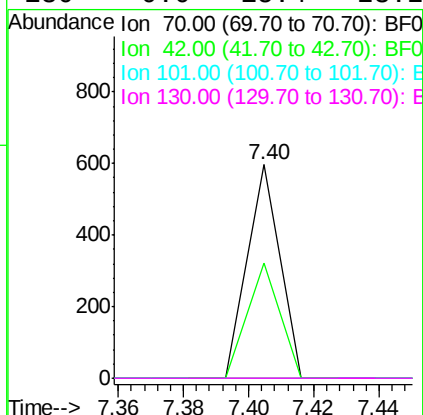
Ion Ratio Lower Upper

70 100

42 54.1 49.6 74.4

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF087776.D

Acq: 7 Jun 2016 5:28

Tgt Ion: 136 Resp: 365560

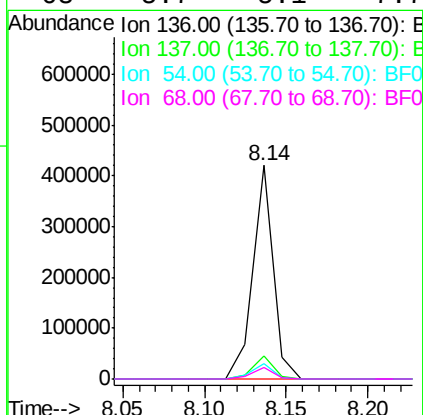
Ion Ratio Lower Upper

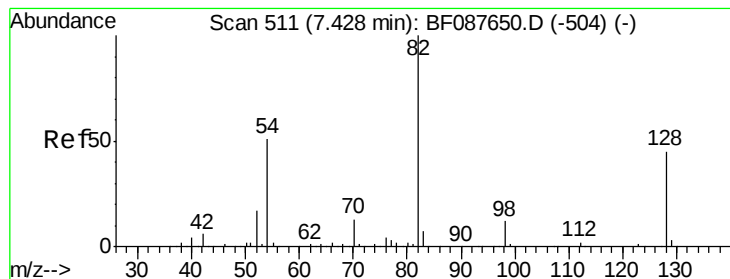
136 100

137 11.1 9.1 13.7

54 7.2 6.6 10.0

68 5.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 0.60 ng

RT: 7.40 min Scan# 509

Delta R.T. -0.02 min

Lab File: BF087776.D

Acq: 7 Jun 2016 5:28

Instrument :

BNA_F

ClientSampleId :

MW-14DL

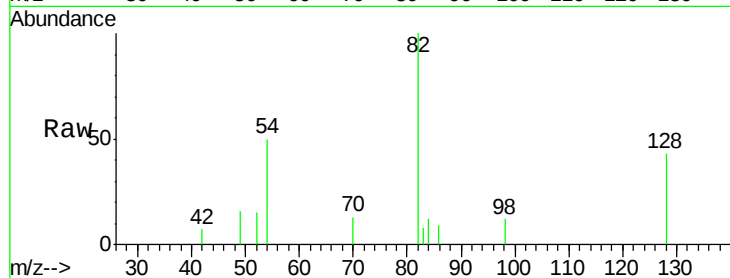
Tgt Ion: 82 Resp: 3803

Ion Ratio Lower Upper

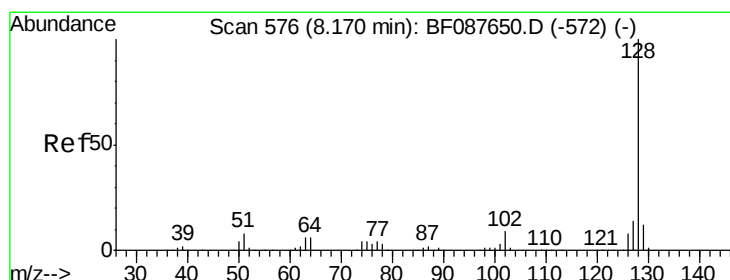
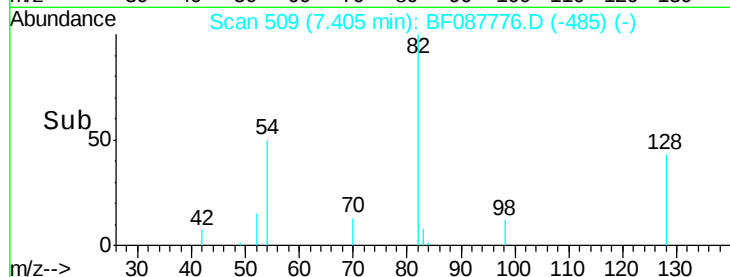
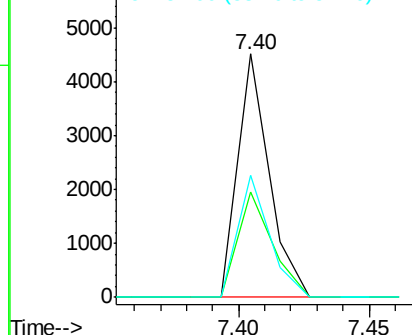
82 100

128 43.1 35.9 53.9

54 50.4 40.9 61.3



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



#31

Naphthalene

Concen: 52.75 ng

RT: 8.16 min Scan# 575

Delta R.T. -0.01 min

Lab File: BF087776.D

Acq: 7 Jun 2016 5:28

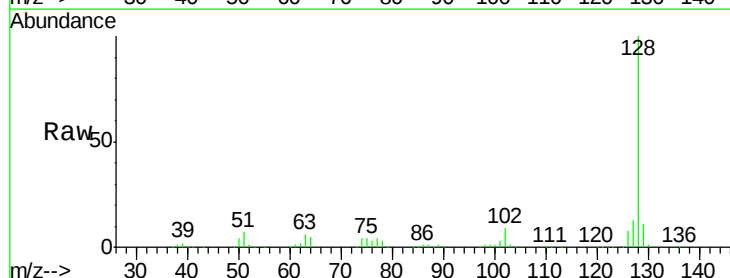
Tgt Ion: 128 Resp: 937491

Ion Ratio Lower Upper

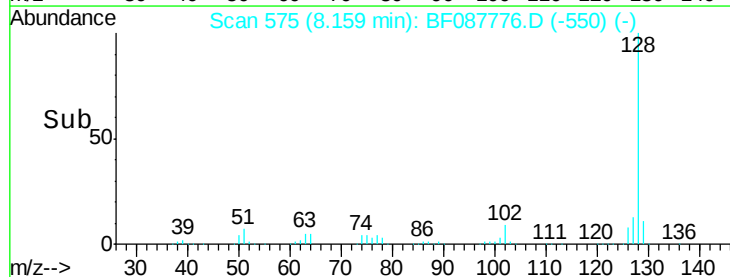
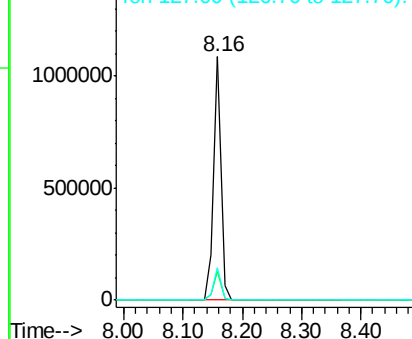
128 100

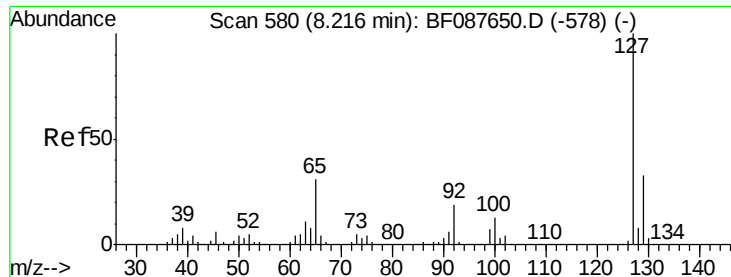
129 11.5 9.4 14.2

127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

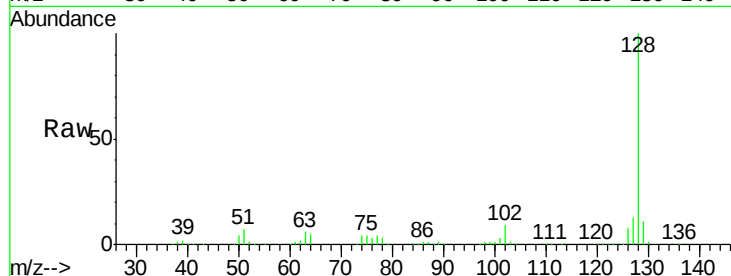




#33
 4-Chloroaniline
 Concen: 16.06 ng
 RT: 8.16 min Scan# 575
 Delta R.T. -0.06 min
 Lab File: BF087776.D
 Acq: 7 Jun 2016 5:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-14DL

Tgt Ion	Ratio	Lower	Upper
127	100		
129	85.3	26.3	39.5#
65	0.0	24.7	37.1#
92	0.0	15.4	23.0#

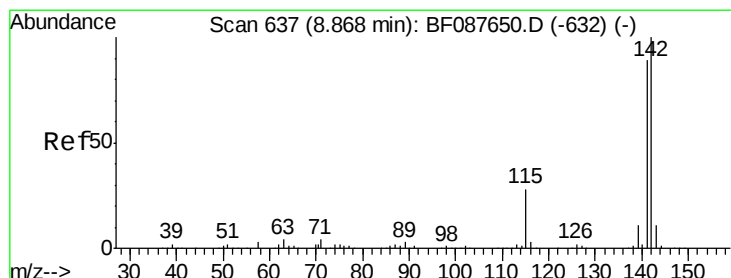
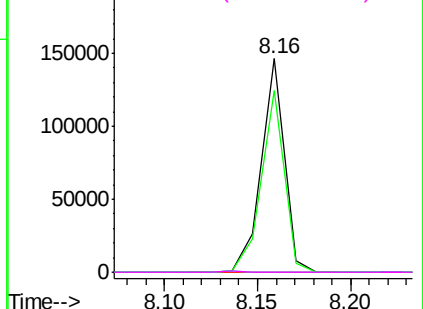
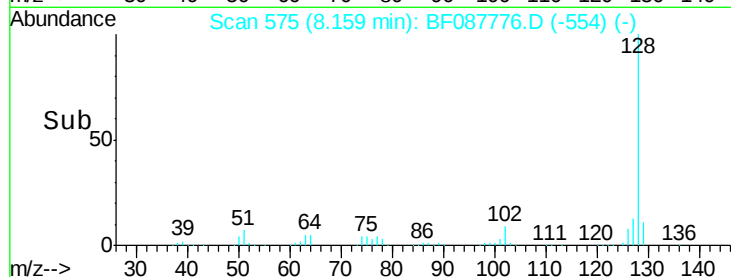


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

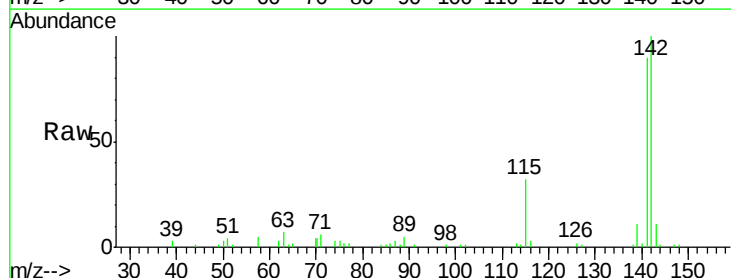
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#37
 2-Methylnaphthalene
 Concen: 4.10 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.02 min
 Lab File: BF087776.D
 Acq: 7 Jun 2016 5:28

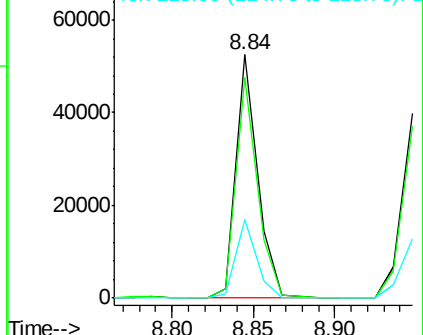
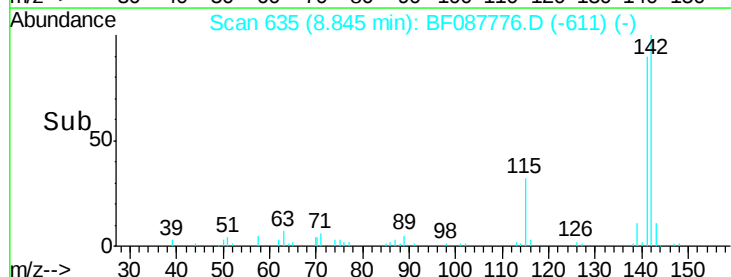
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.0	106.6
115	32.2	22.6	33.8

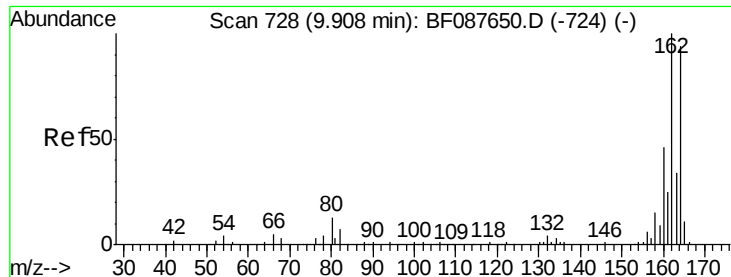


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF087776.D

Acq: 7 Jun 2016 5:28

Instrument :

BNA_F

ClientSampleId :

MW-14DL

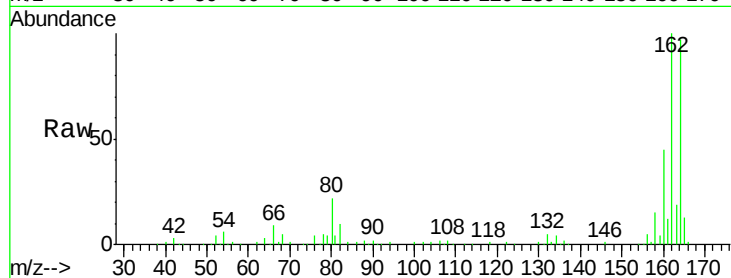
Tgt Ion:164 Resp: 141390

Ion Ratio Lower Upper

164 100

162 103.6 85.4 128.2

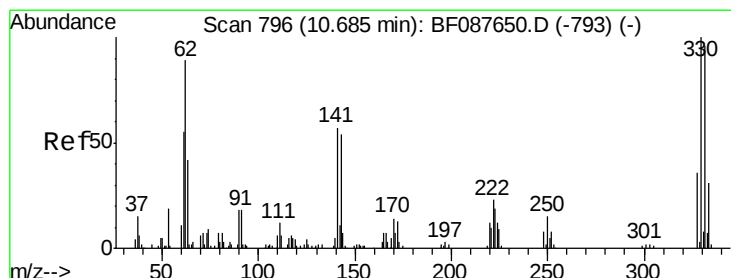
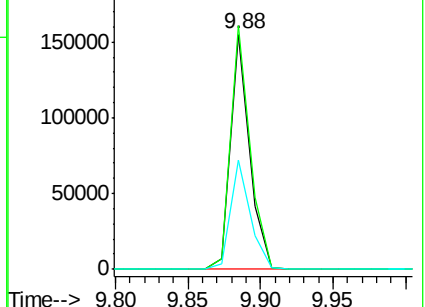
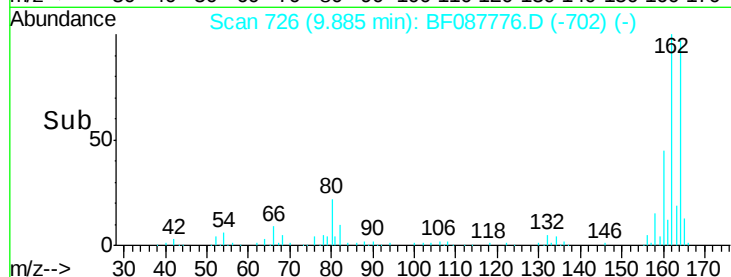
160 46.4 39.5 59.3



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: 0.68 ng

RT: 10.67 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF087776.D

Acq: 7 Jun 2016 5:28

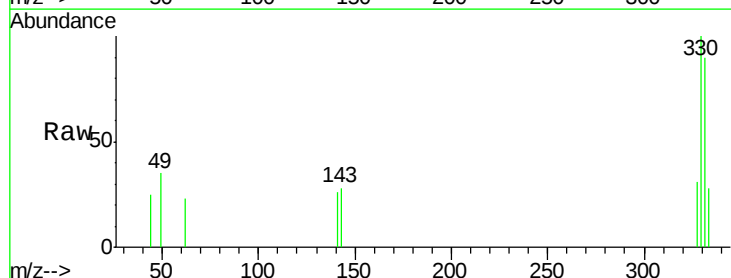
Tgt Ion:330 Resp: 959

Ion Ratio Lower Upper

330 100

332 90.0 0.0 0.0#

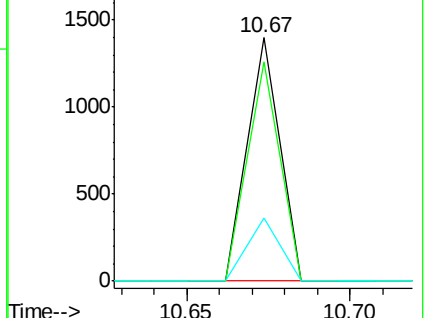
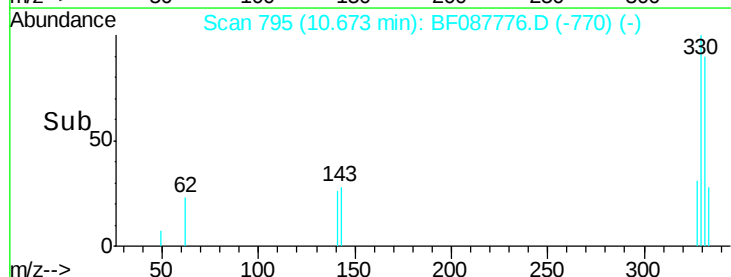
141 25.8 0.0 0.0#

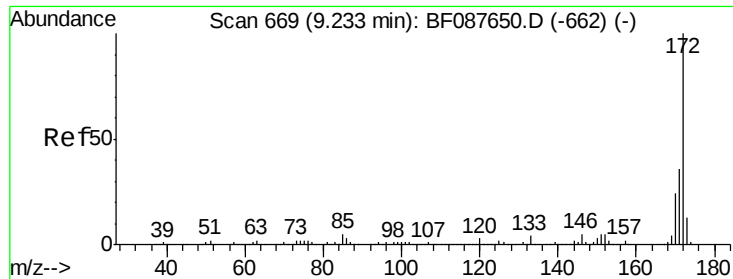


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

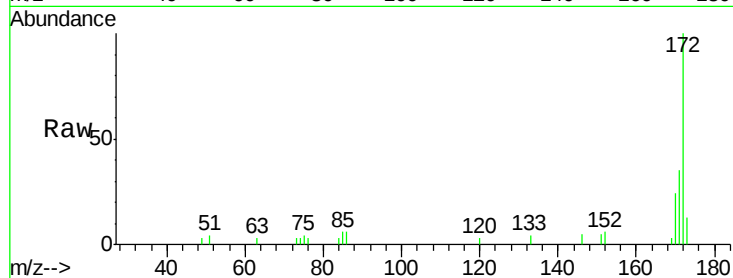




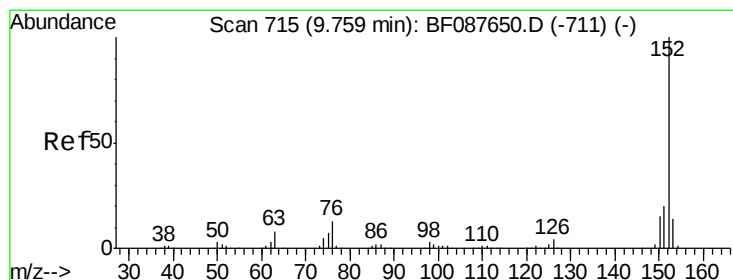
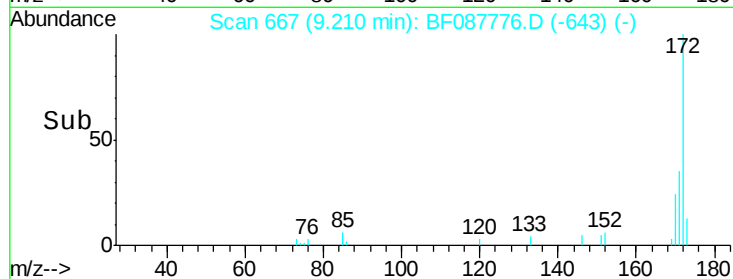
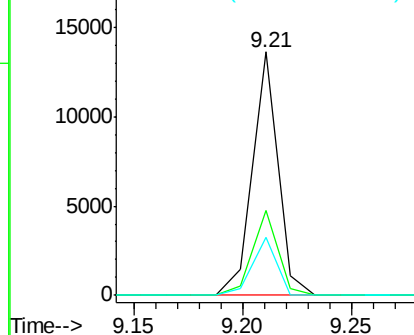
#44
 2-Fluorobiphenyl
 Concen: 1.21 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087776.D
 Acq: 7 Jun 2016 5:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-14DL

Tgt Ion:172 Resp: 11086
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 43.0
 170 23.8 19.2 28.8

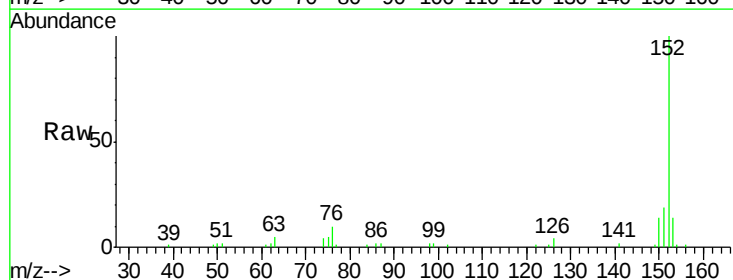


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

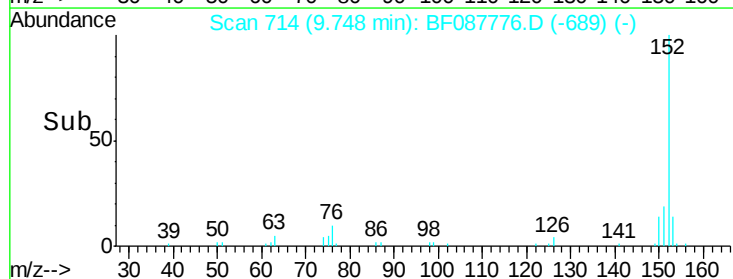
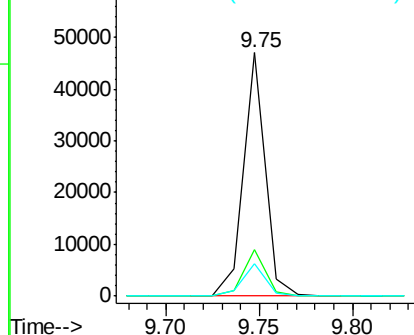


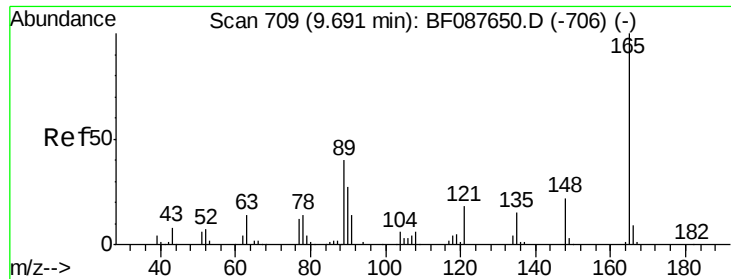
#48
 Acenaphthylene
 Concen: 2.71 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: BF087776.D
 Acq: 7 Jun 2016 5:28

Tgt Ion:152 Resp: 38547
 Ion Ratio Lower Upper
 152 100
 151 19.3 16.2 24.4
 153 13.5 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

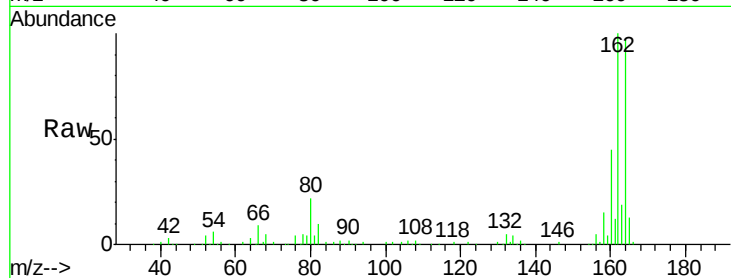




#50
2,6-Dinitrotoluene
Concen: 7.65 ng
RT: 9.88 min Scan# 726
Delta R.T. 0.19 min
Lab File: BF087776.D
Acq: 7 Jun 2016 5:28

Instrument :
BNA_F
ClientSampled :
MW-14DL

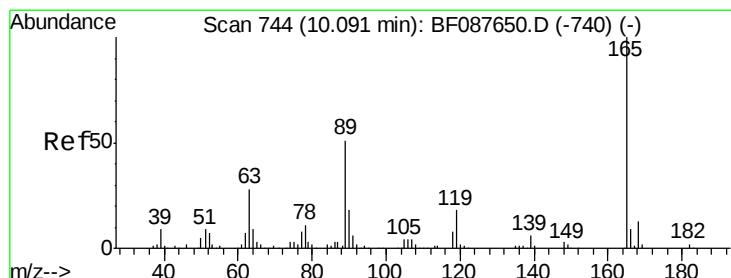
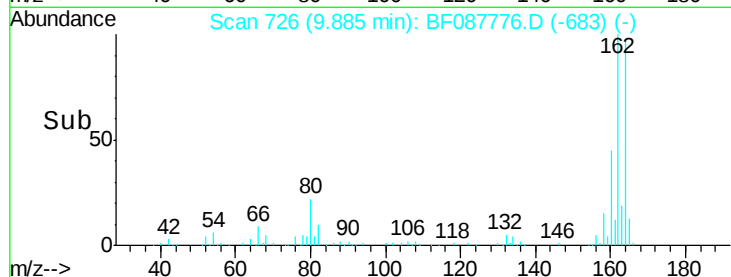
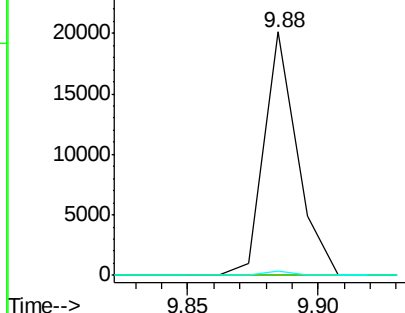
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	1.5	32.2	48.2#



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: 6.01 ng
RT: 9.88 min Scan# 726
Delta R.T. -0.21 min
Lab File: BF087776.D
Acq: 7 Jun 2016 5:28

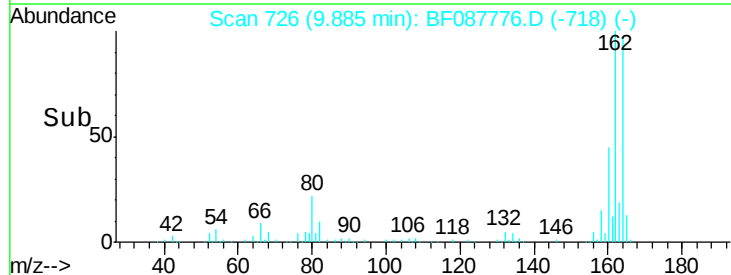
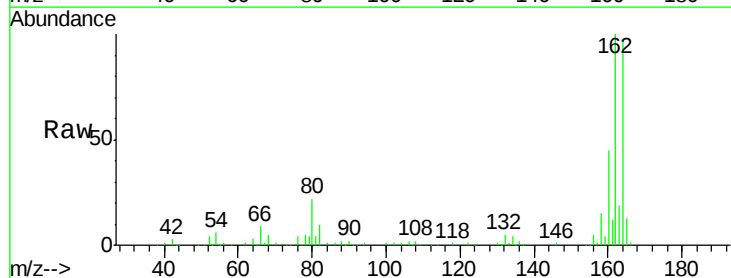
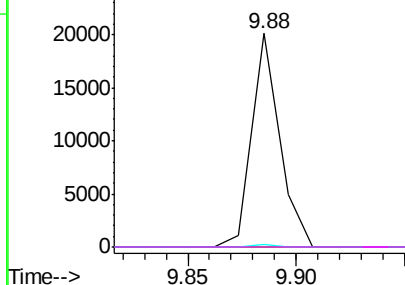
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.5	41.1	61.7#
182	0.0	2.0	3.0#

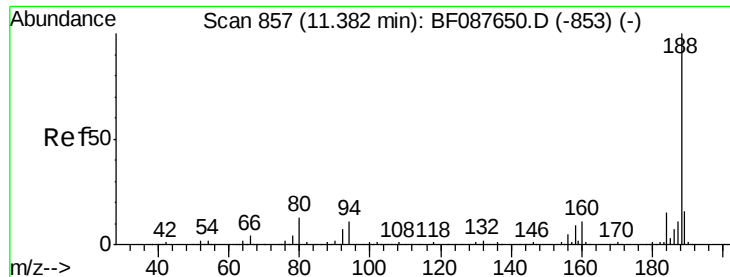
Abundance Ion 165.00 (164.70 to 165.70): E

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

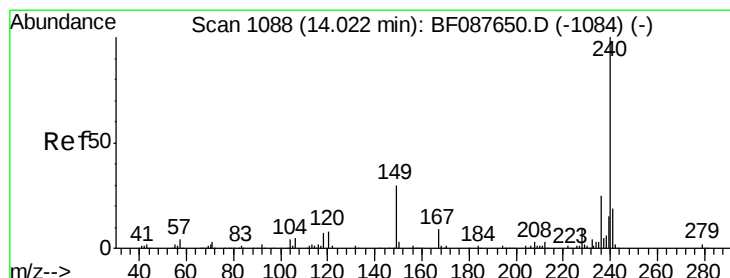
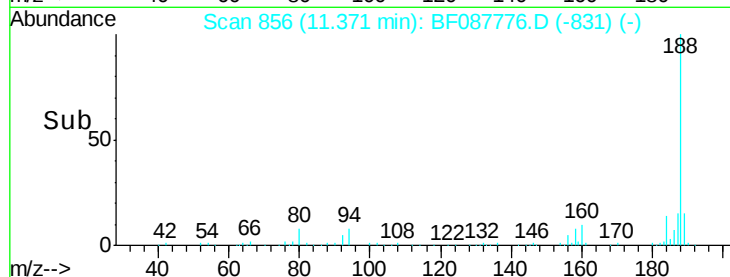
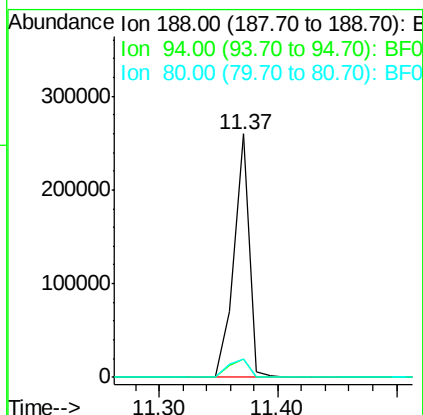
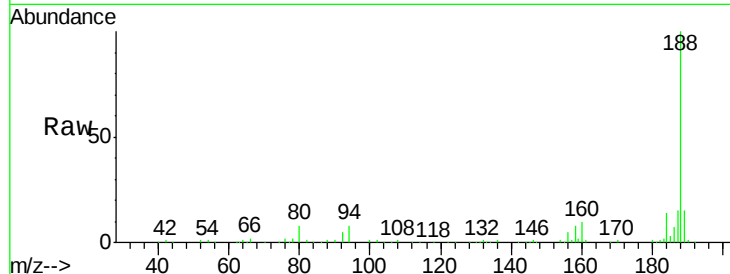




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087776.D
Acq: 7 Jun 2016 5:28

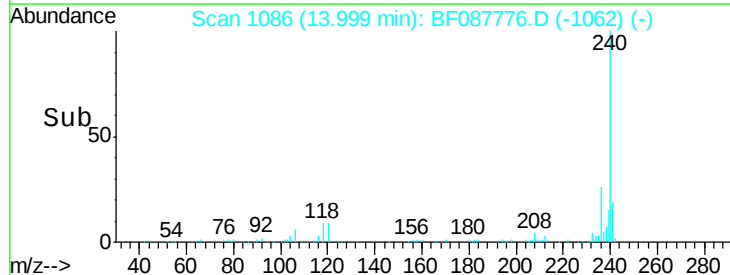
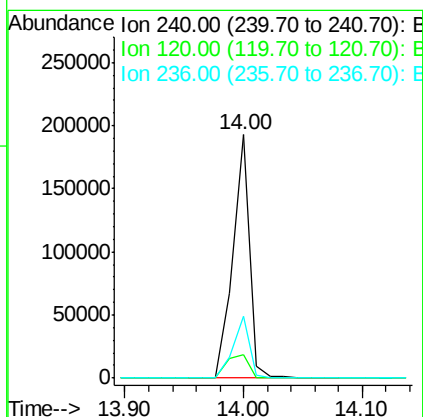
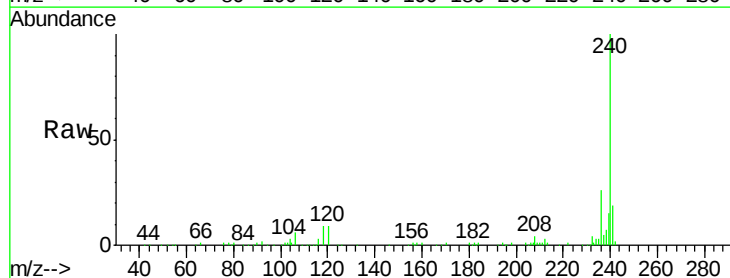
Instrument :
BNA_F
ClientSampleId :
MW-14DL

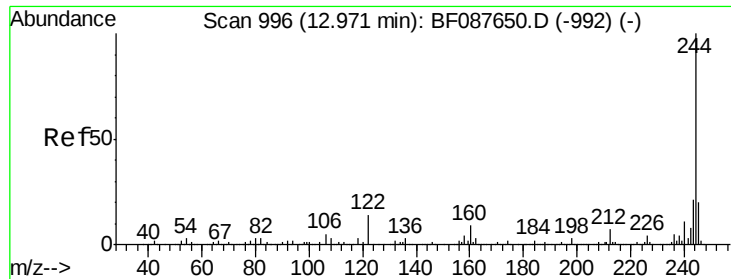
Tgt Ion:188 Resp: 233007
Ion Ratio Lower Upper
188 100
94 7.8 9.0 13.6#
80 7.6 10.0 15.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BF087776.D
Acq: 7 Jun 2016 5:28

Tgt Ion:240 Resp: 187545
Ion Ratio Lower Upper
240 100
120 9.4 6.8 10.2
236 25.7 20.2 30.2

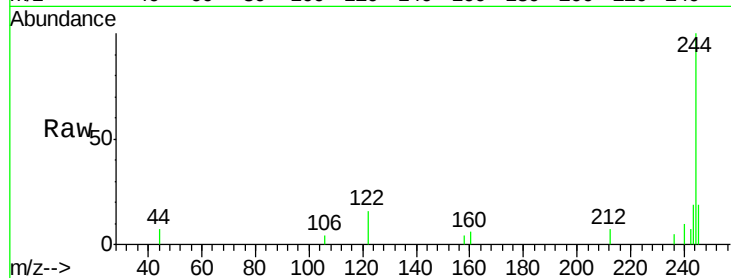




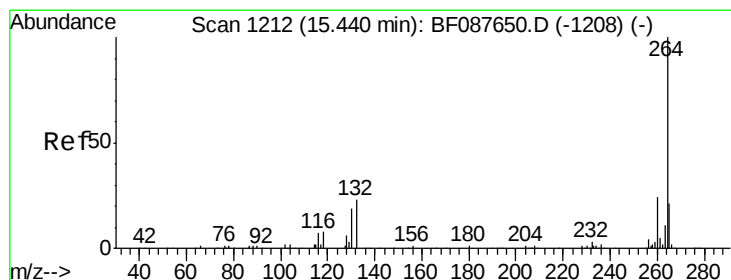
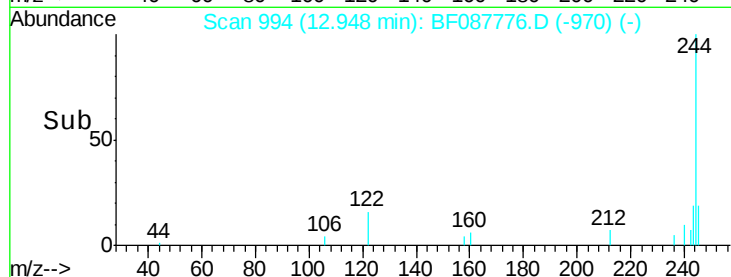
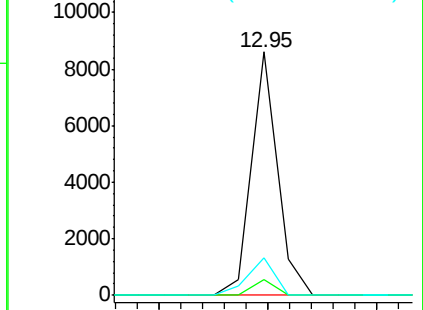
#78
 Terphenyl-d14
 Concen: 0.93 ng
 RT: 12.95 min Scan# 994
 Delta R.T. -0.02 min
 Lab File: BF087776.D
 Acq: 7 Jun 2016 5:28

Instrument :
 BNA_F
 ClientSampleId :
 MW-14DL

Tgt Ion:244 Resp: 7172
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 15.5 11.2 16.8

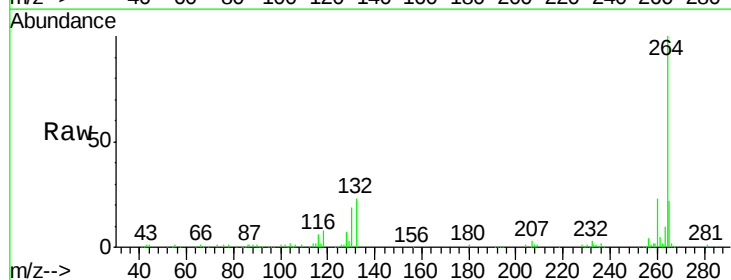


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. -0.02 min
 Lab File: BF087776.D
 Acq: 7 Jun 2016 5:28

Tgt Ion:264 Resp: 140480
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 21.7 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

