

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030915\
 Data File : BF077639.D
 Acq On : 9 Mar 2015 15:42
 Operator : TP/IZ
 Sample : G1442-01DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-073-3515DL

Quant Time: Mar 10 01:11:32 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 00:35:08 2015
 Response via : Initial Calibration

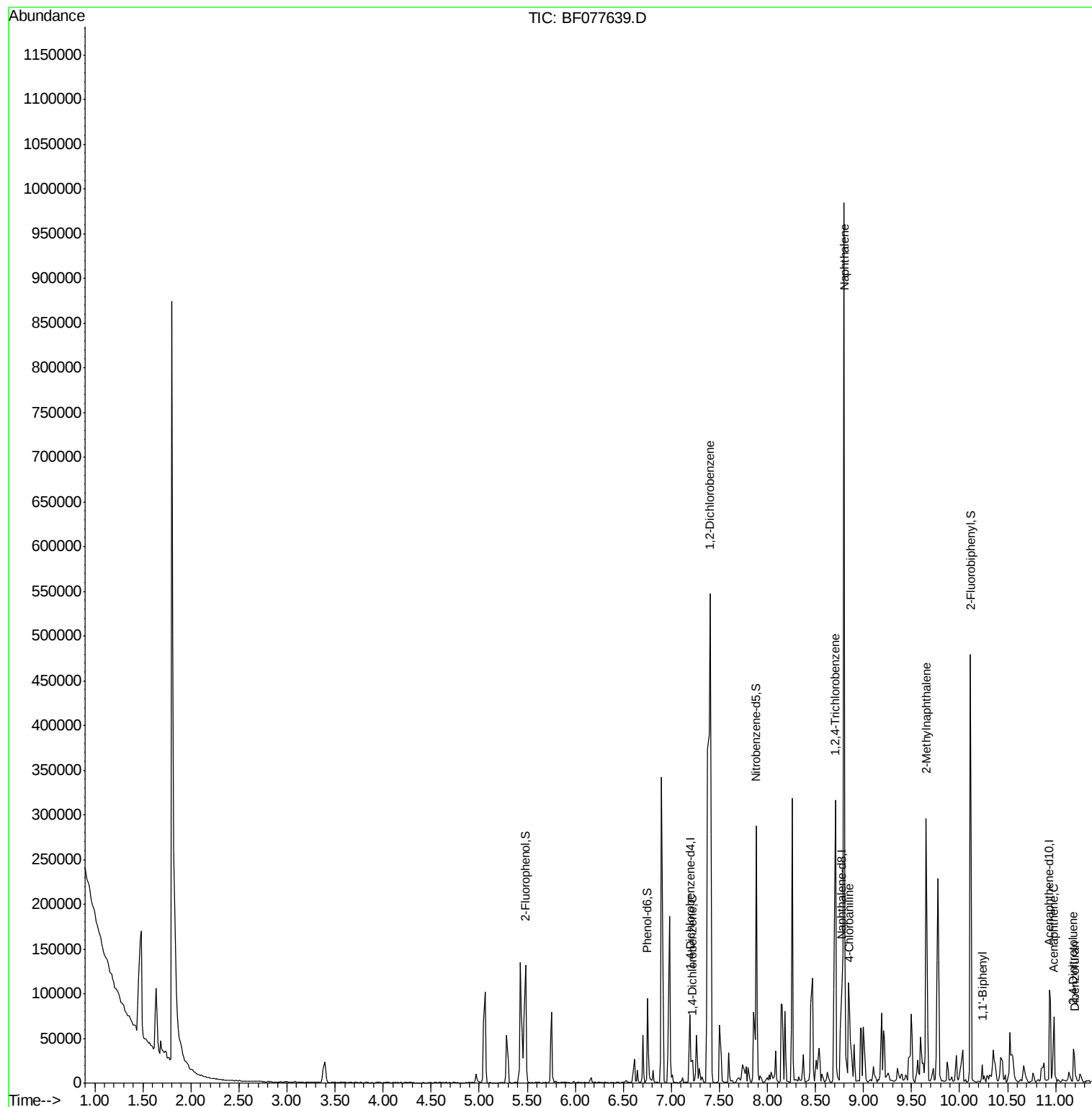
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.19	152	14382	20.00	ng	0.00
21) Naphthalene-d8	8.77	136	56956	20.00	ng	0.00
38) Acenaphthene-d10	10.94	164	28222	20.00	ng	0.00
63) Phenanthrene-d10	12.78	188	53463	20.00	ng	0.00
75) Chrysene-d12	16.05	240	57067	20.00	ng	0.00
86) Perylene-d12	17.75	264	55839	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	45338	52.63	ng	0.00
7) Phenol-d6	6.75	99	35193	31.77	ng	0.00
23) Nitrobenzene-d5	7.88	82	84396	92.14	ng	0.00
41) 2,4,6-Tribromophenol	11.92	330	33205	122.19	ng	0.00
44) 2-Fluorobiphenyl	10.11	172	180370	99.65	ng	0.00
78) Terphenyl-d14	14.77	244	181852	74.50	ng	0.00
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	7.21	146	8799	7.82	ng	97
14) 1,2-Dichlorobenzene	7.40	146	152815	142.70	ng	96
30) 1,2,4-Trichlorobenzene	8.70	180	60795	66.67	ng	96
31) Naphthalene	8.80	128	420738	147.72	ng	99
33) 4-Chloroaniline	8.85	127	48601	38.38	ng	97
37) 2-Methylnaphthalene	9.65	142	79424	39.27	ng	98
45) 1,1'-Biphenyl	10.24	154	6346	2.97	ng	93
51) Acenaphthene	10.98	154	16171	10.21	ng	96
54) Dibenzofuran	11.19	168	7762	3.17	ng	# 97
56) 2,4-Dinitrotoluene	11.19	165	4854	9.03	ng	# 59
57) Fluorene	11.62	166	17701	9.05	ng	99
70) Phenanthrene	12.81	178	17360	5.60	ng	98
72) Carbazole	13.08	167	10764	3.68	ng	99

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

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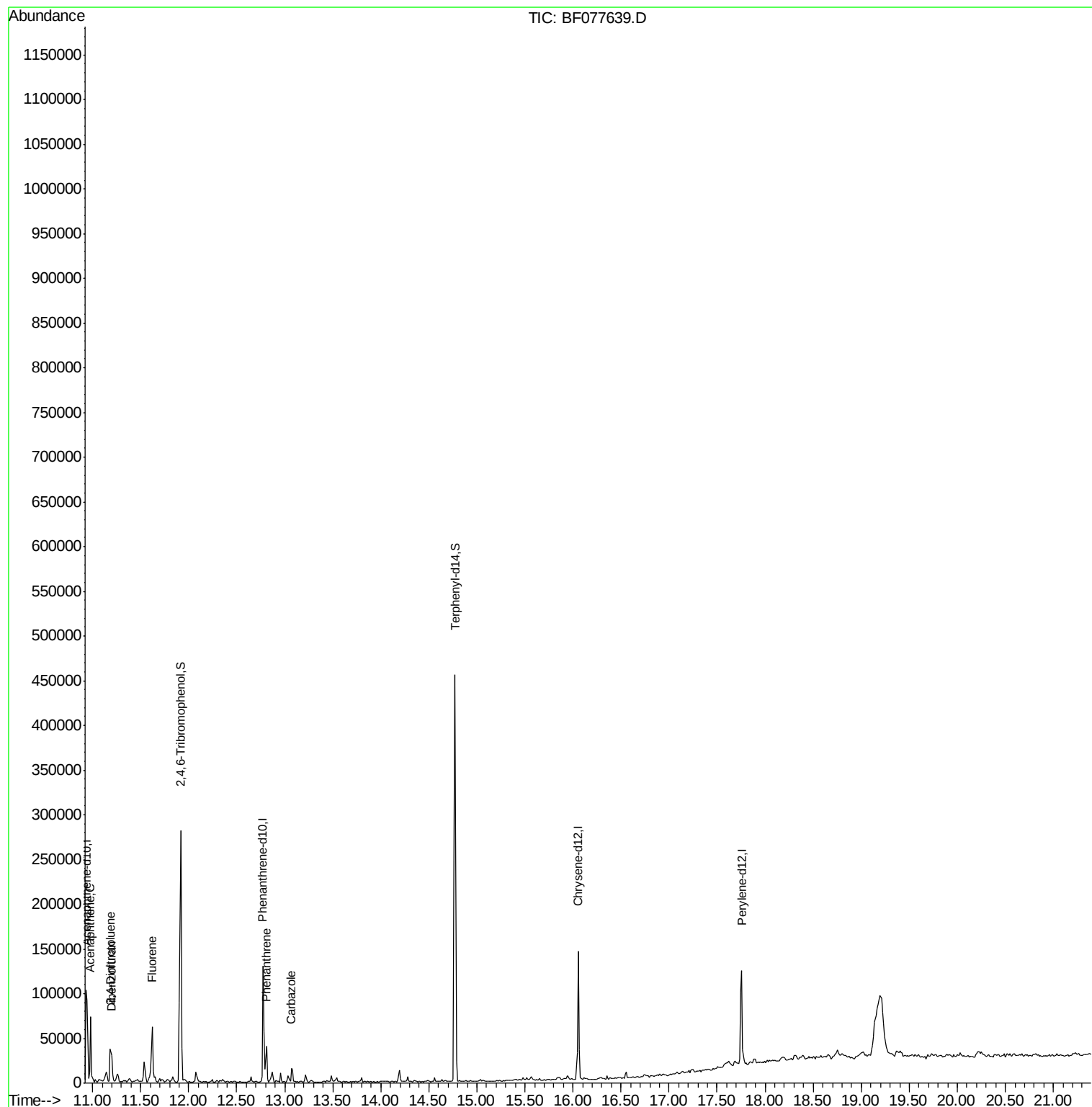
Quant Time: Mar 10 01:11:32 2015
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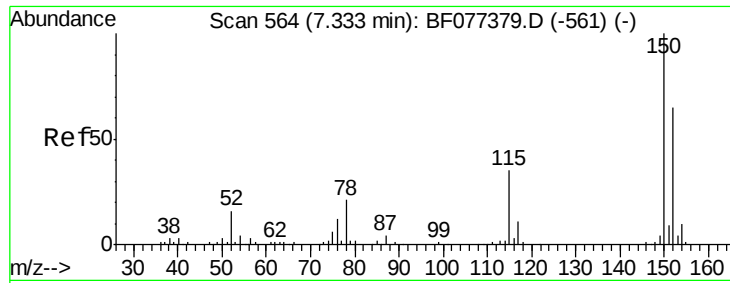


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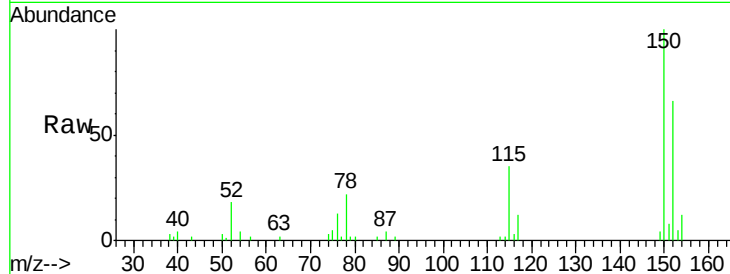


#1

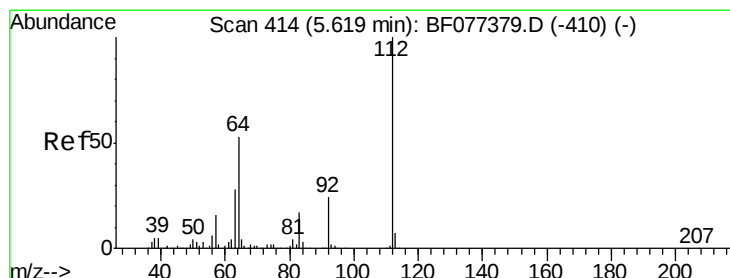
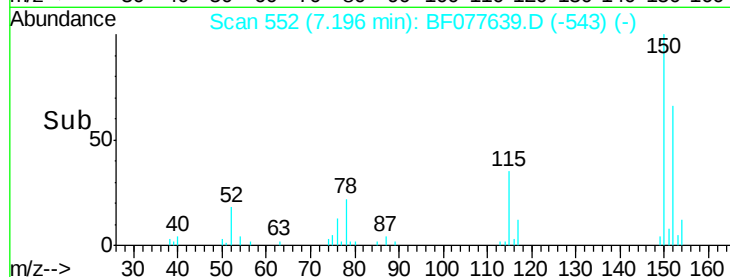
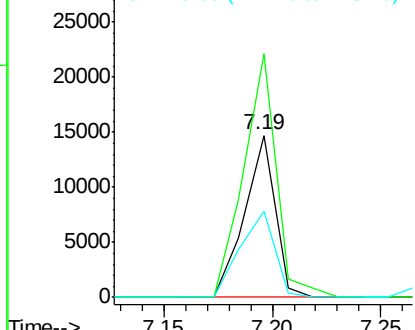
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.19 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Instrument :
BNA_F
ClientSampleId :
DCW-WW-073-3515DL

Tot Ion:152 Resp: 14382
Ion Ratio Lower Upper
152 100
150 150.4 124.0 186.0
115 52.9 49.4 74.2



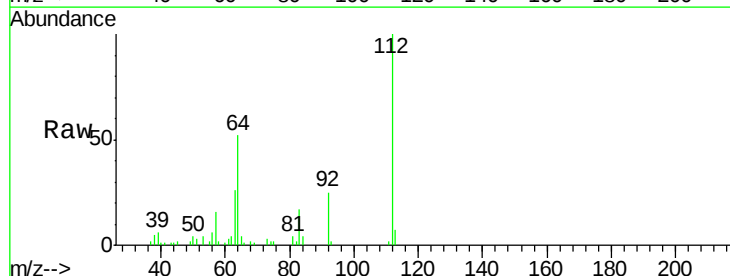
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



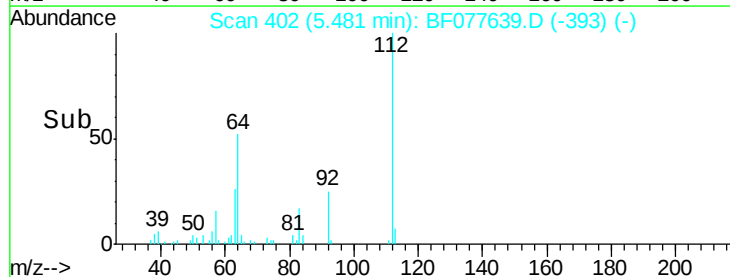
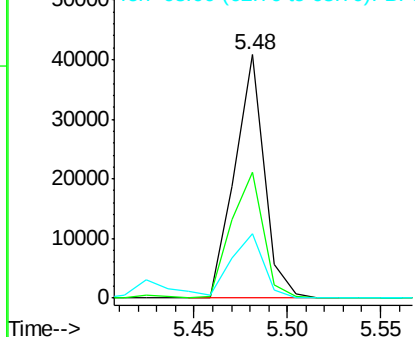
#5

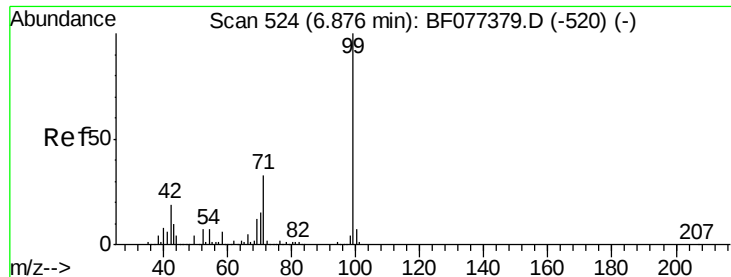
2-Fluorophenol
Concen: 52.63 ng
RT: 5.48 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Tgt Ion:112 Resp: 45338
Ion Ratio Lower Upper
112 100
64 51.7 48.5 72.7
63 26.4 25.0 37.4



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: 31.77 ng

RT: 6.75 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF077639.D

Acq: 9 Mar 2015 15:42

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515DL

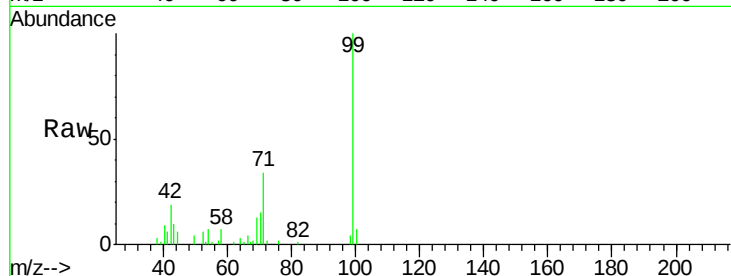
Tot Ion: 99 Resp: 35193

Ion Ratio Lower Upper

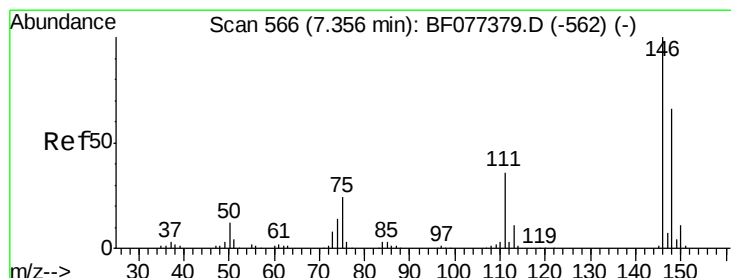
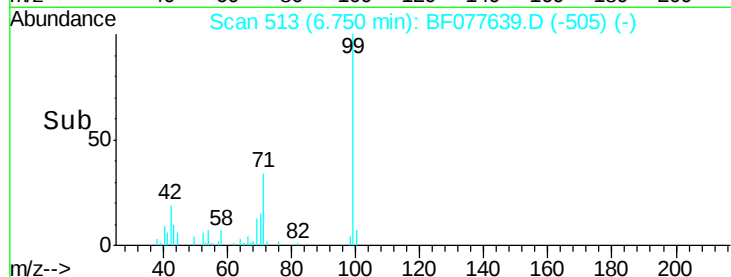
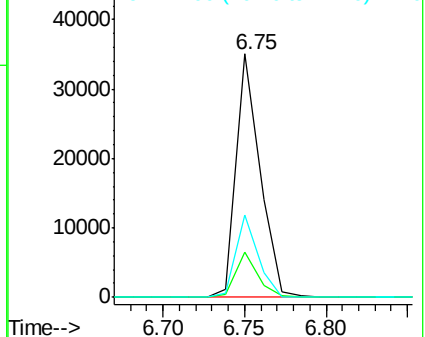
99 100

42 18.6 16.2 24.4

71 33.8 26.7 40.1



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



#13

1,4-Dichlorobenzene

Concen: 7.82 ng

RT: 7.21 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF077639.D

Acq: 9 Mar 2015 15:42

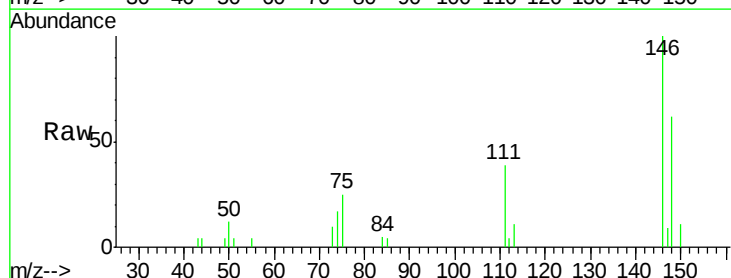
Tgt Ion: 146 Resp: 8799

Ion Ratio Lower Upper

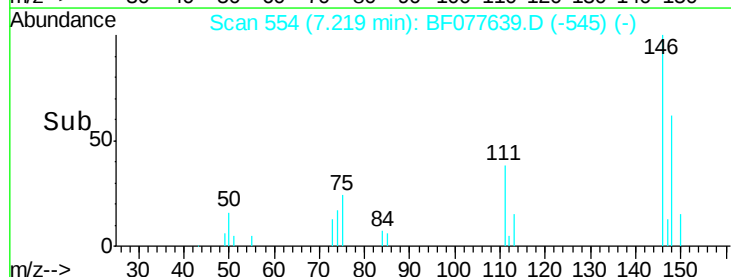
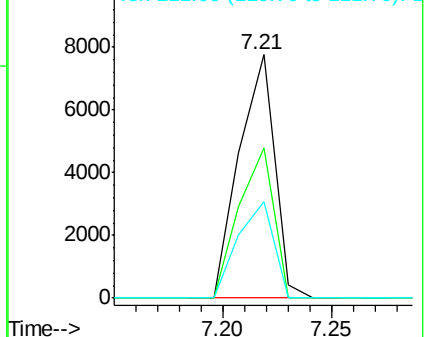
146 100

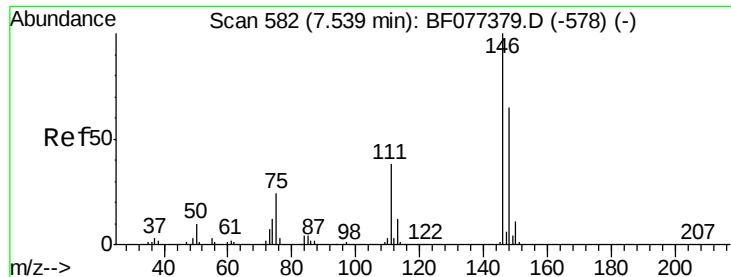
148 61.8 52.0 78.0

111 39.5 31.9 47.9



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





#14

1,2-Dichlorobenzene

Concen: 142.70 ng

RT: 7.40 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF077639.D

Acq: 9 Mar 2015 15:42

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515DL

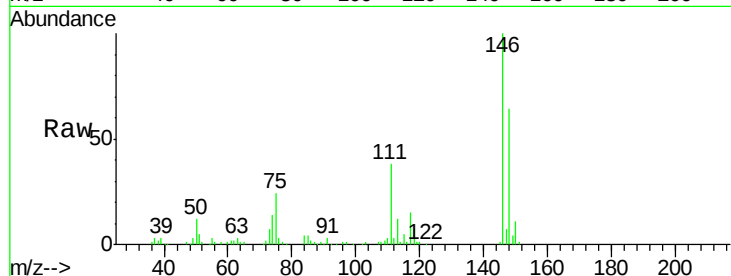
Tot Ion:146 Resp: 152815

Ion Ratio Lower Upper

146 100

148 64.0 51.6 77.4

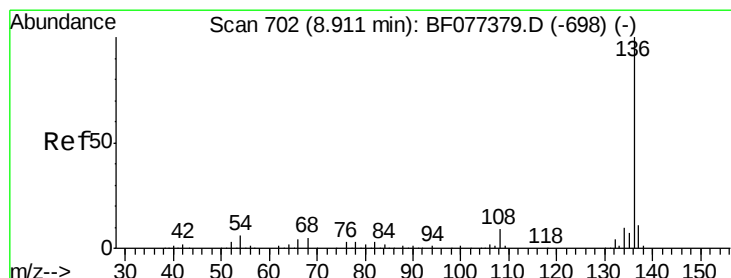
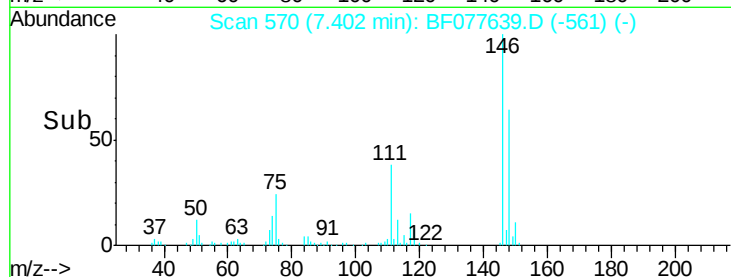
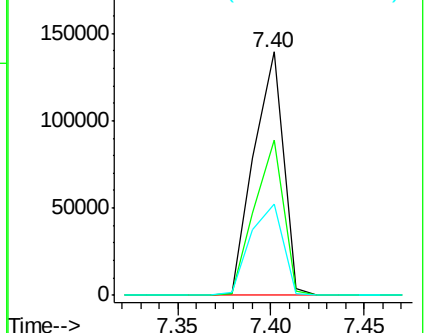
111 37.7 34.2 51.2



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: 8.77 min Scan# 690

Delta R.T. -0.00 min

Lab File: BF077639.D

Acq: 9 Mar 2015 15:42

Tgt Ion:136 Resp: 56956

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 5.9 6.2 9.4#

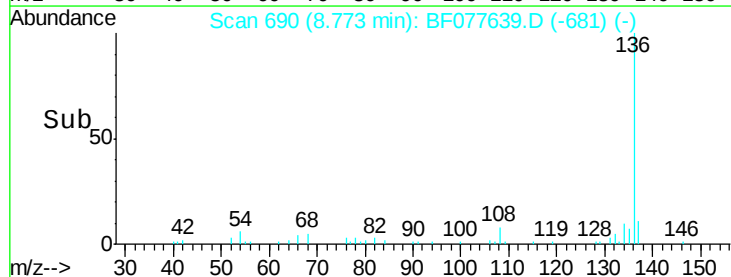
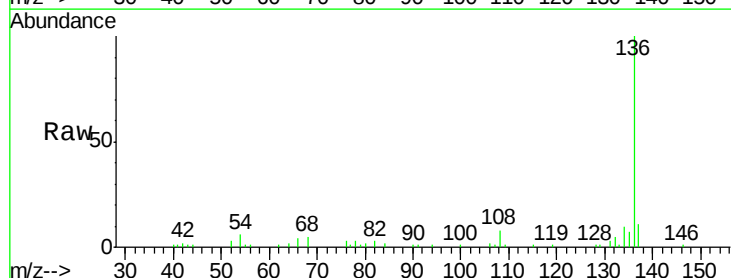
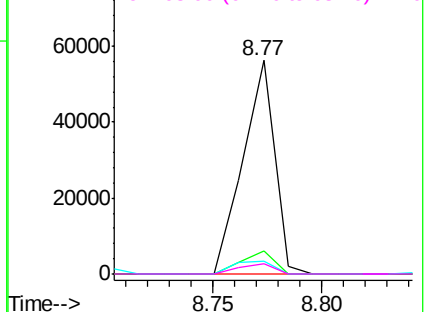
68 4.7 5.0 7.6#

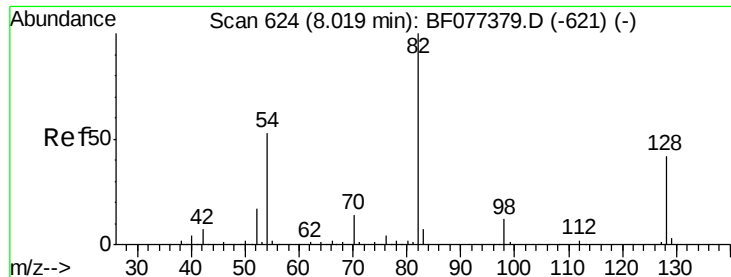
Abundance Ion 136.00 (135.70 to 136.70): E

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

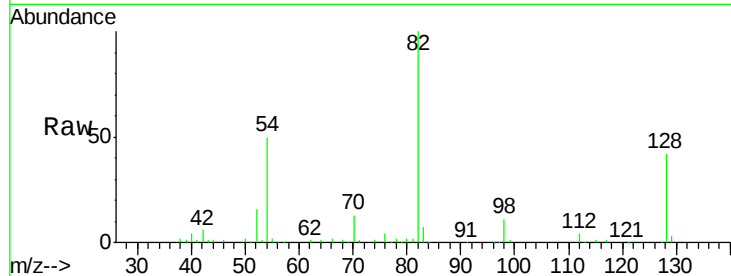




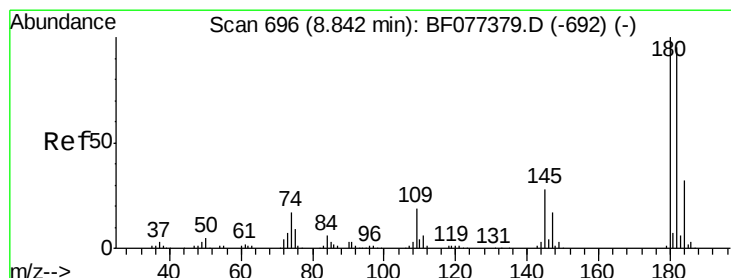
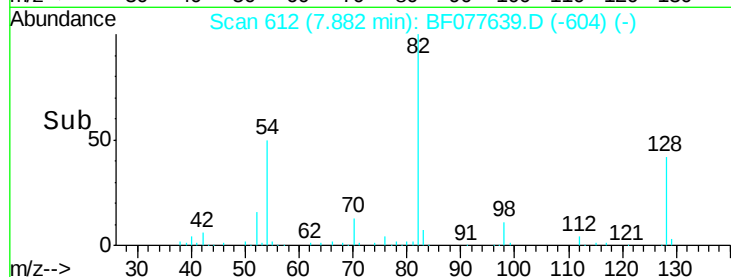
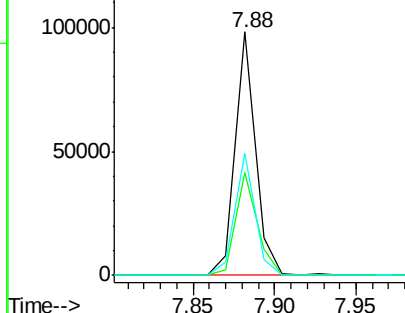
#23
 Nitrobenzene-d5
 Concen: 92.14 ng
 RT: 7.88 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-073-3515DL

Tot Ion: 82 Resp: 84396
 Ion Ratio Lower Upper
 82 100
 128 42.1 43.8 65.8#
 54 50.3 36.7 55.1

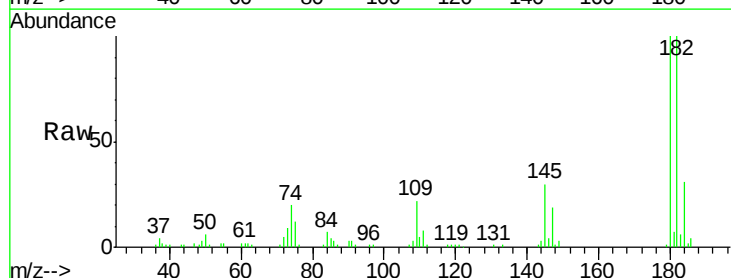


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

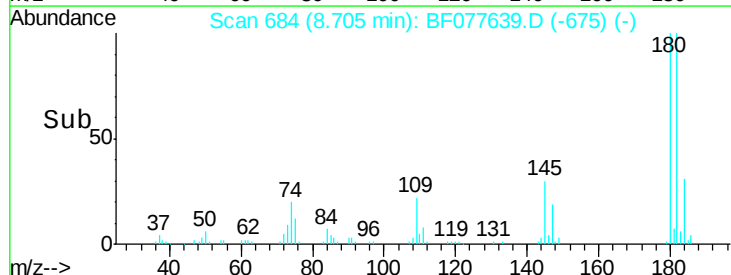
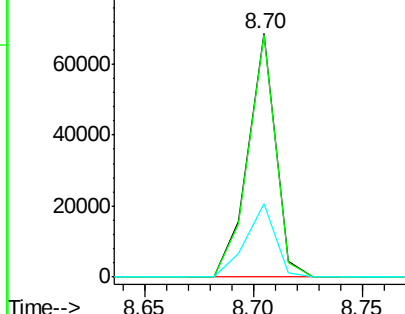


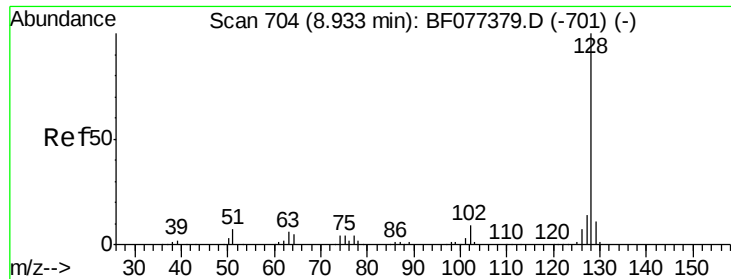
#30
 1,2,4-Trichlorobenzene
 Concen: 66.67 ng
 RT: 8.70 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

Tgt Ion: 180 Resp: 60795
 Ion Ratio Lower Upper
 180 100
 182 99.7 76.2 114.4
 145 30.2 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

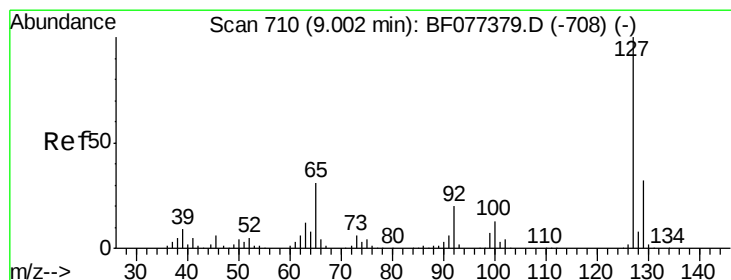
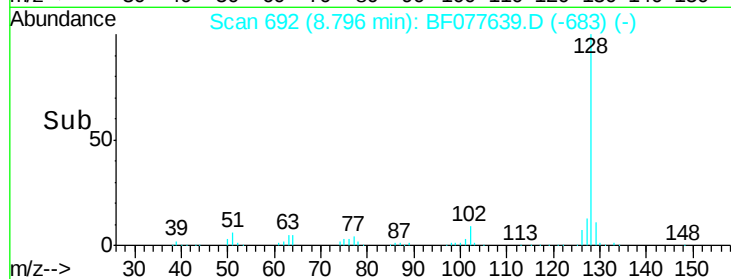
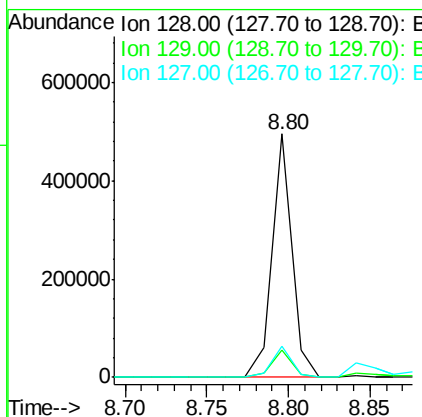
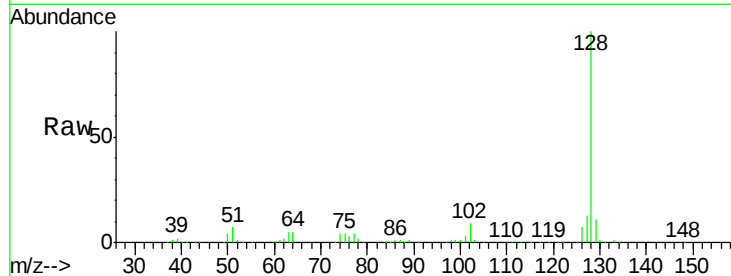




#31
Naphthalene
Concen: 147.72 ng
RT: 8.80 min Scan# 692
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

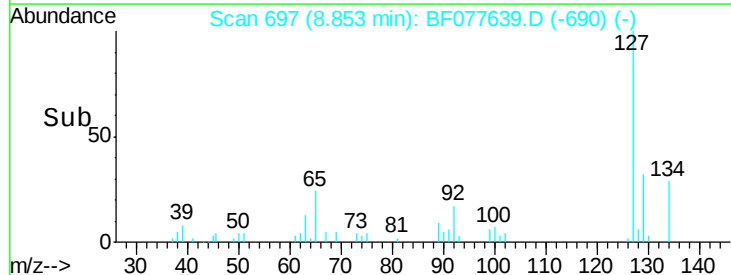
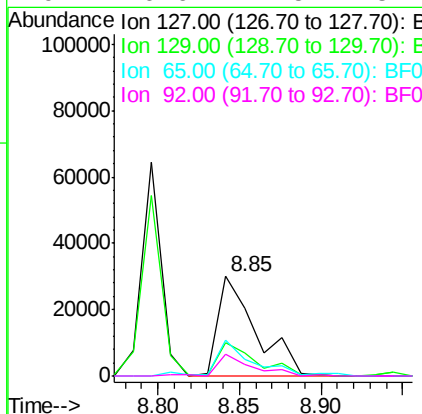
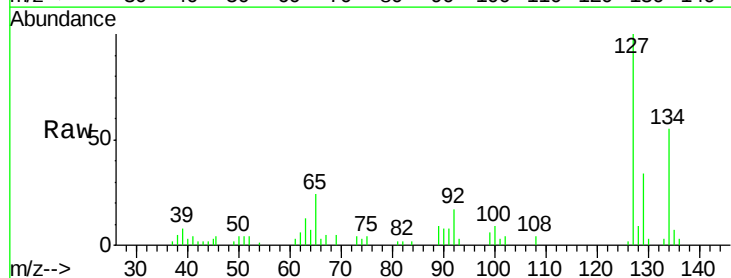
Instrument :
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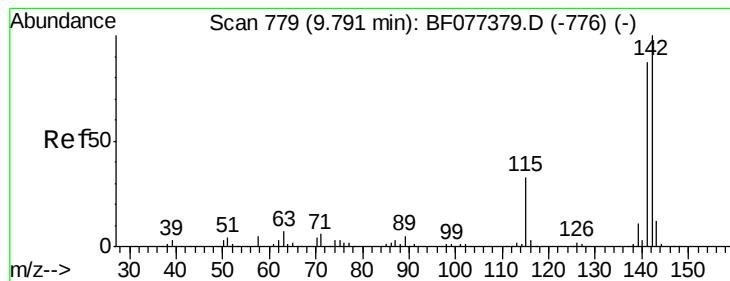
Tot Ion:128 Resp: 420738
Ion Ratio Lower Upper
128 100
129 11.0 9.4 14.0
127 13.0 10.6 15.8



#33
4-Chloroaniline
Concen: 38.38 ng
RT: 8.85 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Tgt Ion:127 Resp: 48601
Ion Ratio Lower Upper
127 100
129 33.7 26.9 40.3
65 24.1 16.7 25.1
92 16.6 12.5 18.7

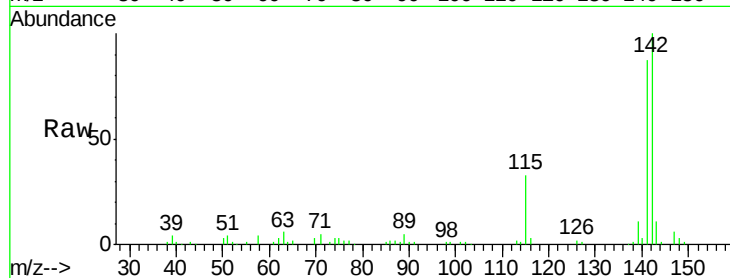




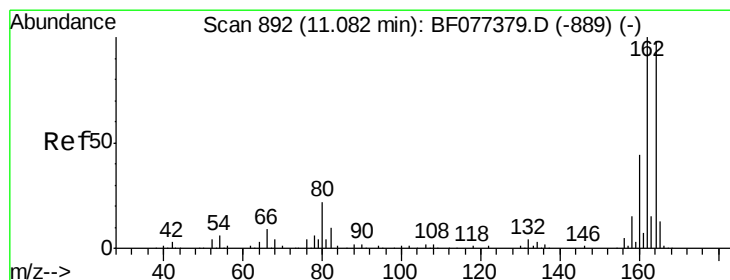
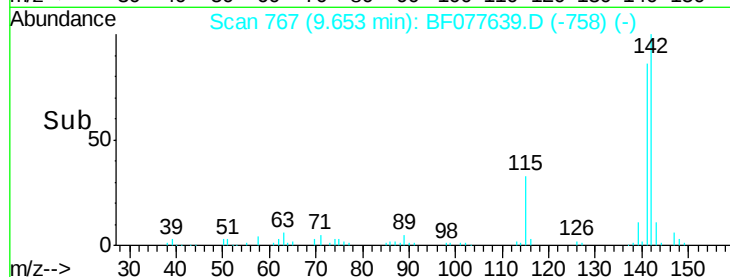
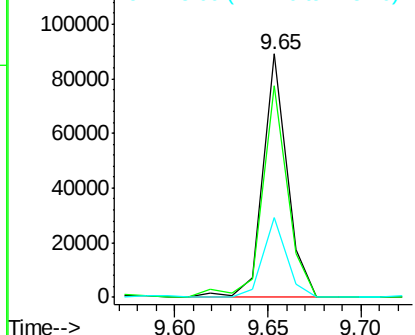
#37
2-Methylnaphthalene
Concen: 39.27 ng
RT: 9.65 min Scan# 767
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Instrument :
BNA_F
ClientSampleId :
DCW-WW-073-3515DL

Tot Ion:142 Resp: 79424
Ion Ratio Lower Upper
142 100
141 86.7 70.7 106.1
115 32.7 24.2 36.4

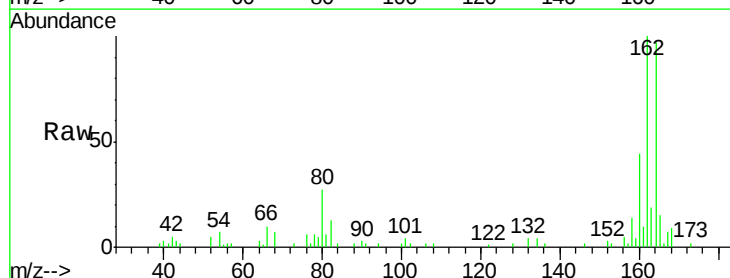


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

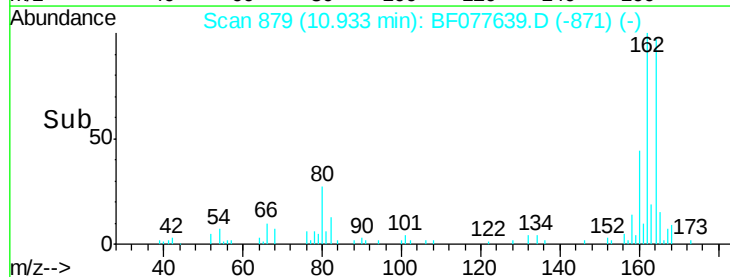
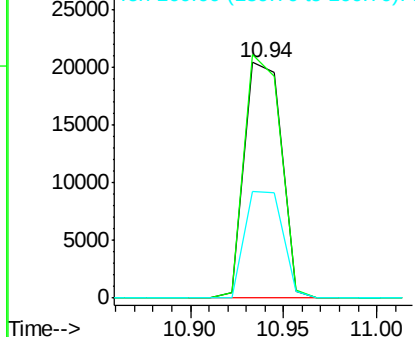


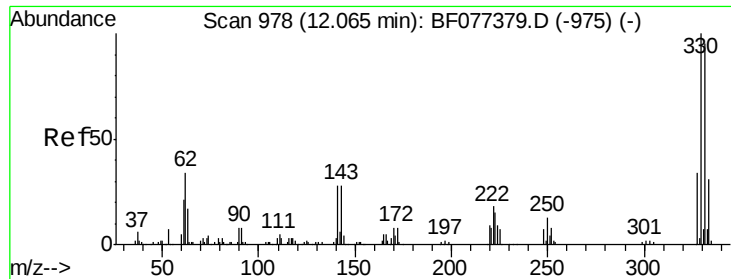
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.94 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Tgt Ion:164 Resp: 28222
Ion Ratio Lower Upper
164 100
162 103.4 83.2 124.8
160 45.5 34.6 52.0



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

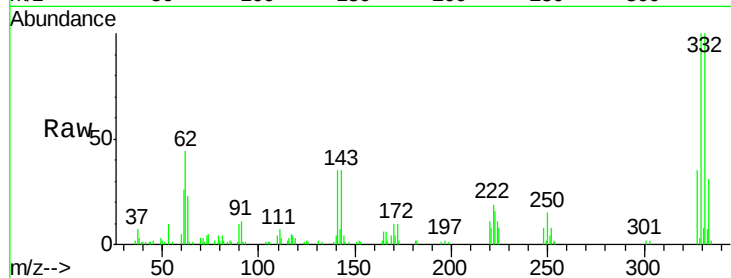




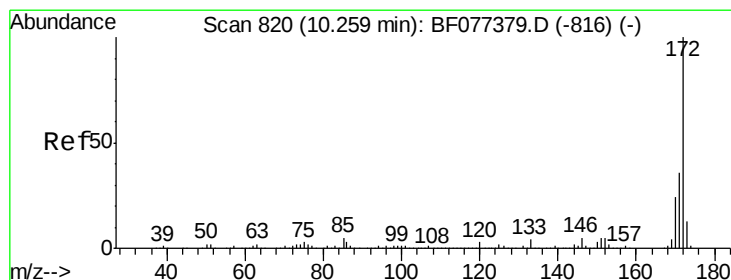
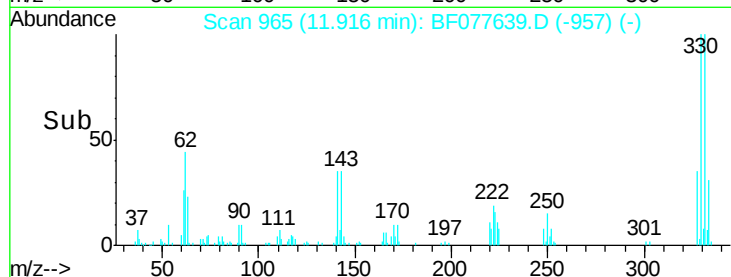
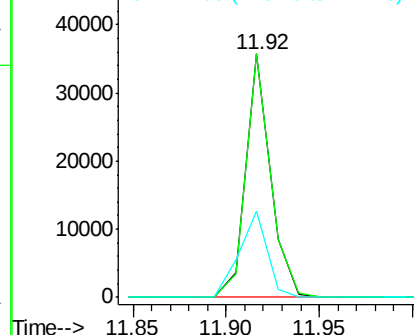
#41
 2,4,6-Tribromophenol
 Concen: 122.19 ng
 RT: 11.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-073-3515DL

Tot Ion:330 Resp: 33205
 Ion Ratio Lower Upper
 330 100
 332 99.6 77.4 116.2
 141 39.7 28.8 43.2

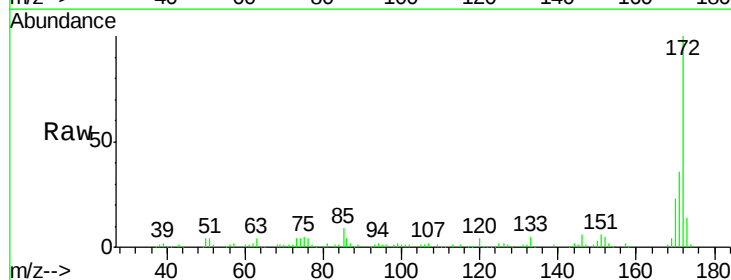


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

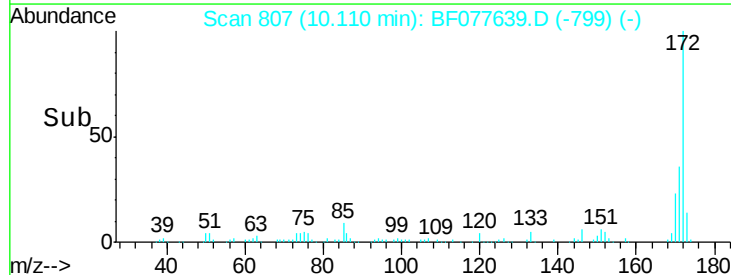
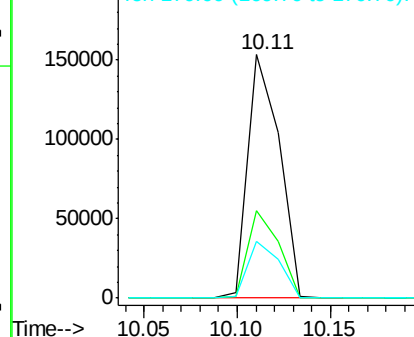


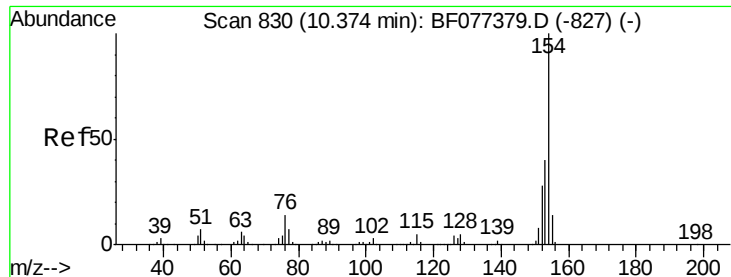
#44
 2-Fluorobiphenyl
 Concen: 99.65 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

Tgt Ion:172 Resp: 180370
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.9 43.3
 170 23.5 19.4 29.2



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

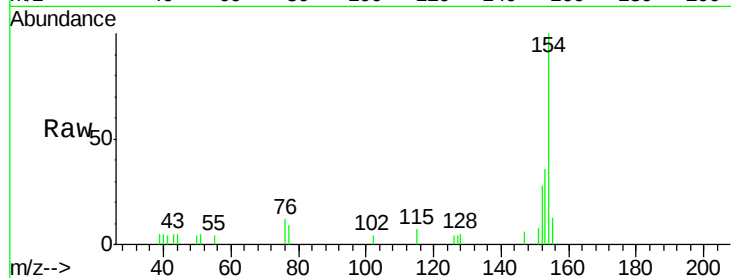




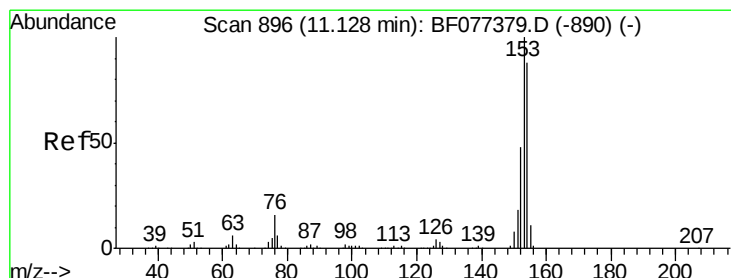
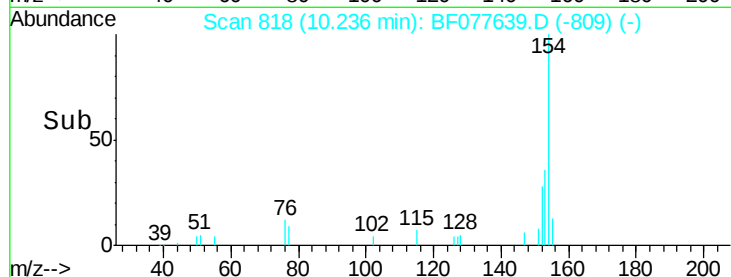
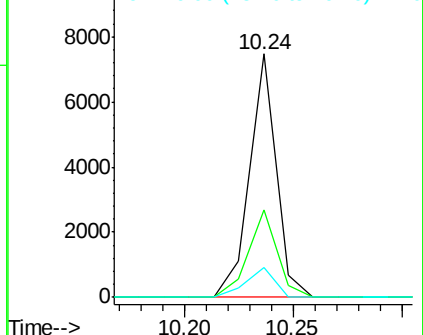
#45
1,1'-Biphenyl
Concen: 2.97 ng
RT: 10.24 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Instrument :
BNA_F
ClientSampleId :
DCW-WW-073-3515DL

Tot Ion:154 Resp: 6346
Ion Ratio Lower Upper
154 100
153 35.7 20.2 60.2
76 12.1 0.0 29.4

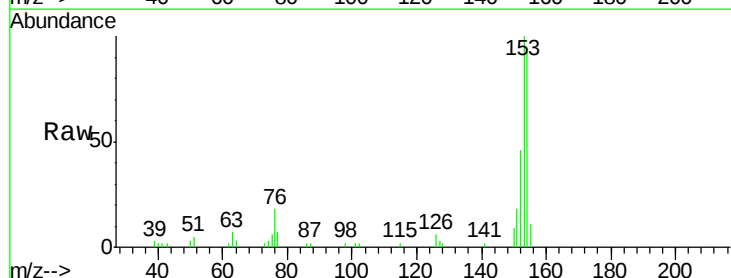


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

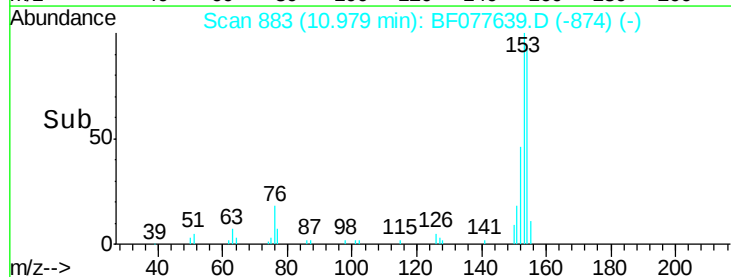
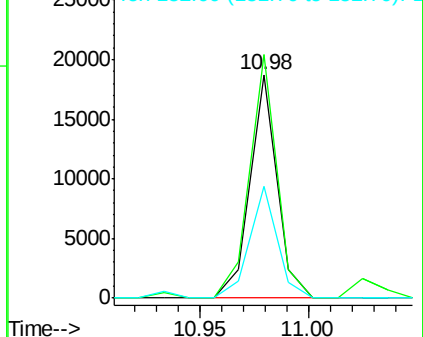


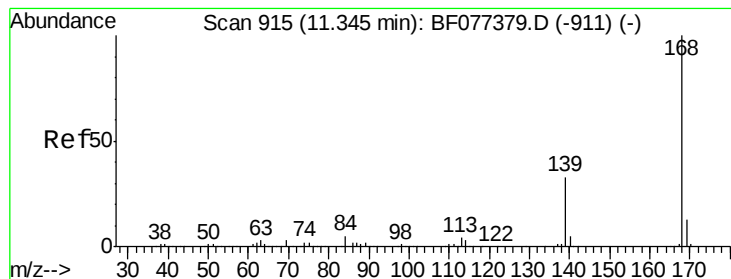
#51
Acenaphthene
Concen: 10.21 ng
RT: 10.98 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Tgt Ion:154 Resp: 16171
Ion Ratio Lower Upper
154 100
153 109.1 90.5 135.7
152 50.3 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 3.17 ng

RT: 11.19 min Scan# 902

Delta R.T. -0.00 min

Lab File: BF077639.D

Acq: 9 Mar 2015 15:42

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515DL

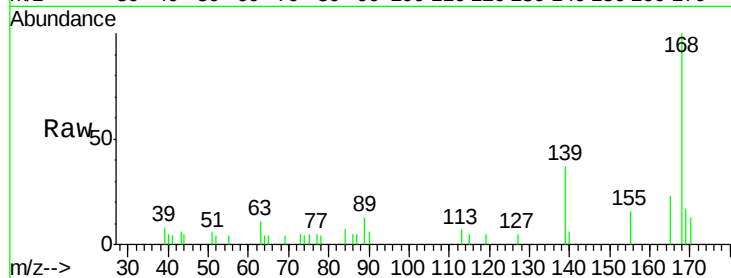
Tot Ion:168 Resp: 7762

Ion Ratio Lower Upper

168 100

139 37.4 29.3 43.9

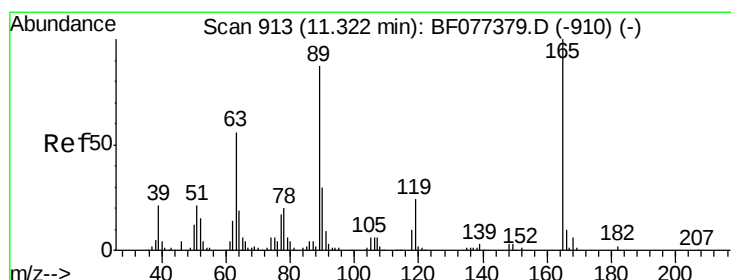
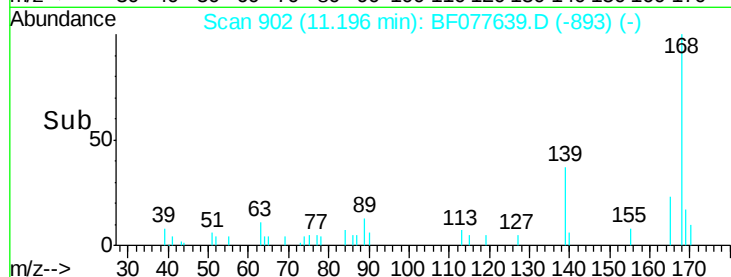
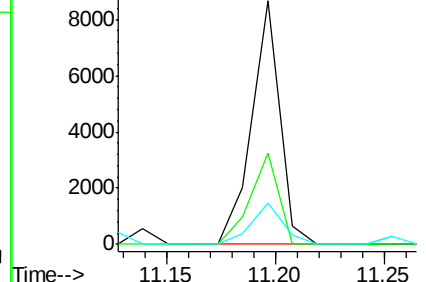
169 16.9 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 9.03 ng

RT: 11.19 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF077639.D

Acq: 9 Mar 2015 15:42

Tgt Ion:165 Resp: 4854

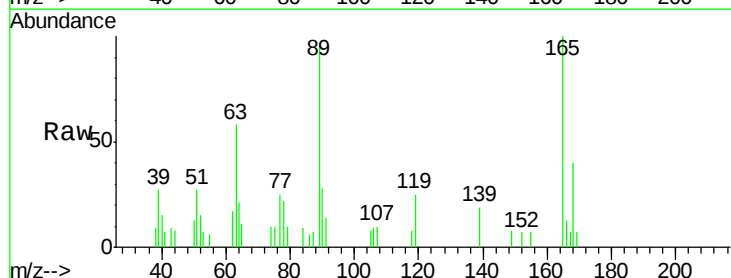
Ion Ratio Lower Upper

165 100

63 57.7 29.8 44.8#

89 95.5 48.5 72.7#

182 0.0 1.9 2.9#

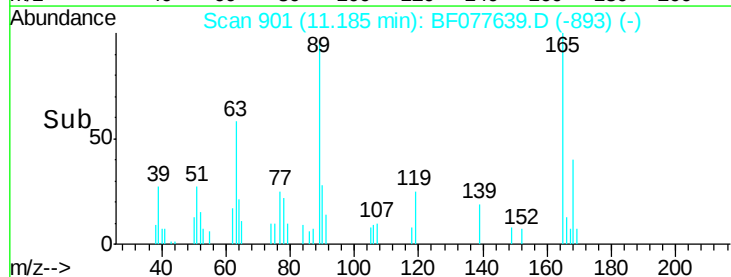
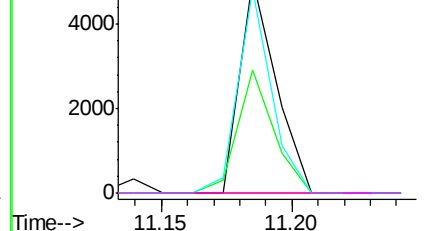


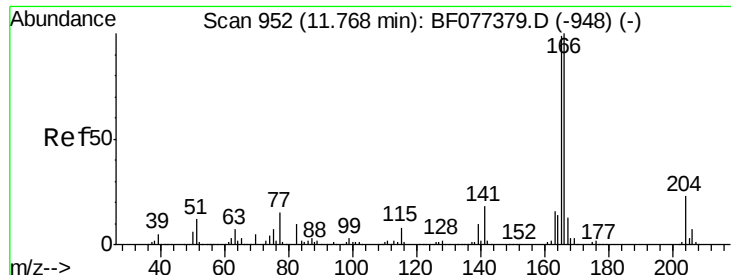
Abundance Ion 165.00 (164.70 to 165.70): E

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

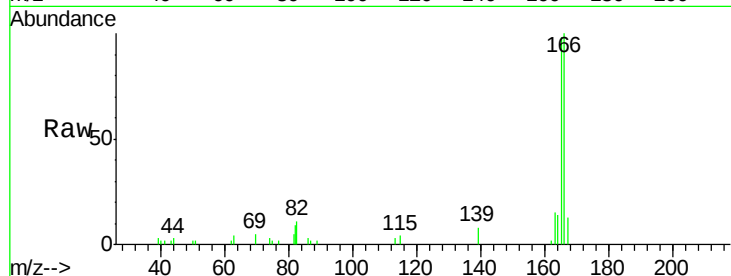




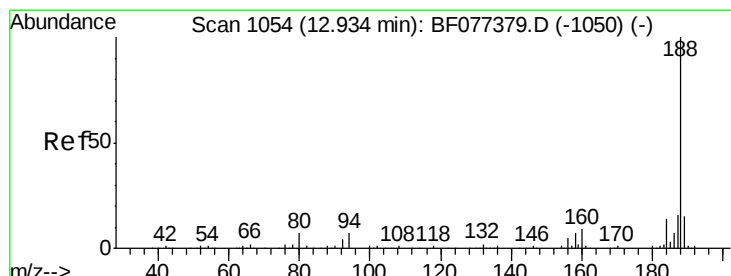
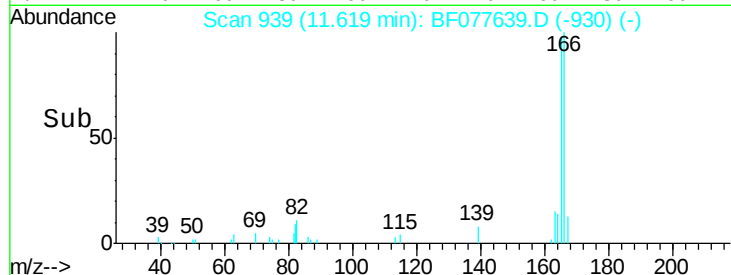
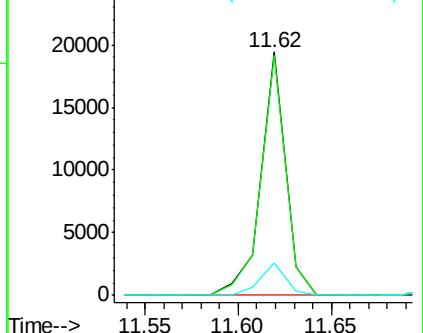
#57
Fluorene
 Concen: 9.05 ng
 RT: 11.62 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-073-3515DL

Tot Ion:166 Resp: 17701
 Ion Ratio Lower Upper
 166 100
 165 98.3 77.6 116.4
 167 13.1 10.6 16.0

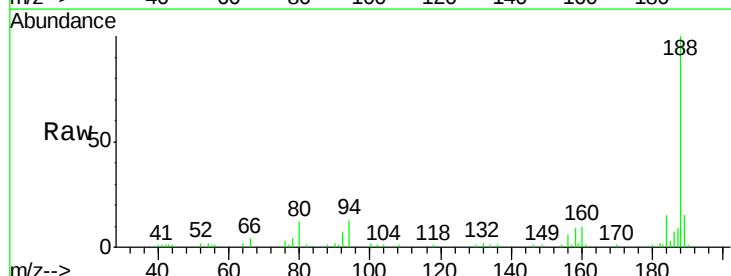


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

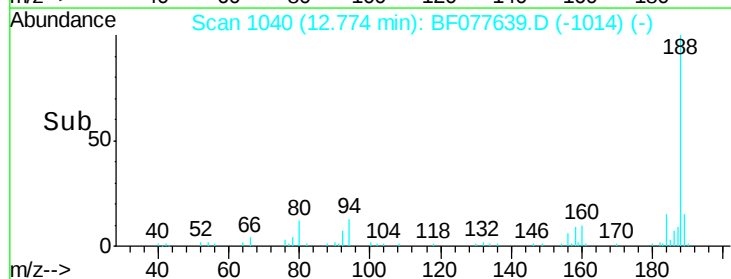
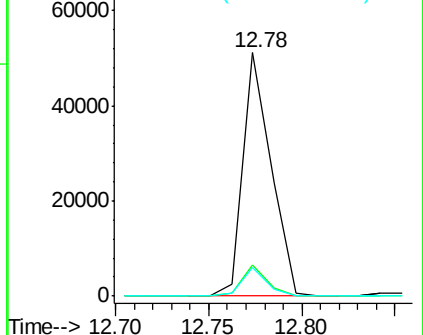


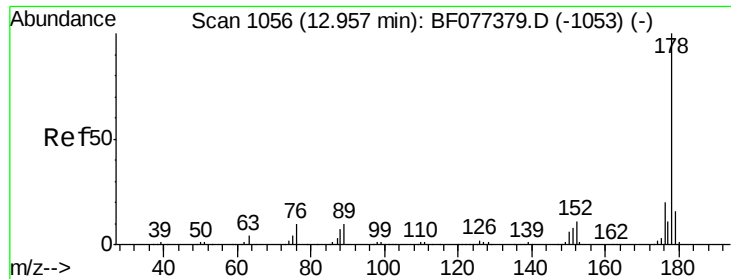
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.78 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

Tgt Ion:188 Resp: 53463
 Ion Ratio Lower Upper
 188 100
 94 12.8 7.4 11.2#
 80 11.6 8.0 12.0



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

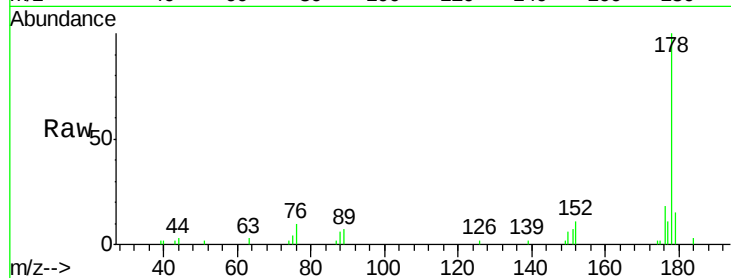




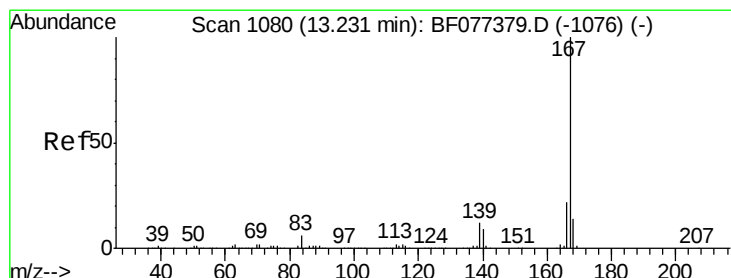
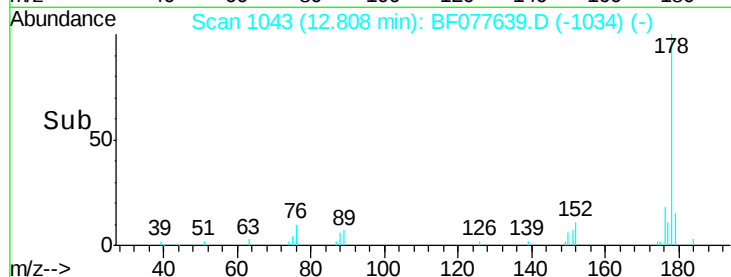
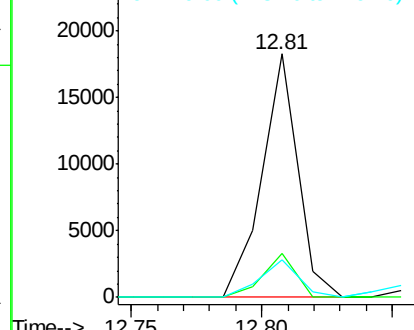
#70
Phenanthrene
Concen: 5.60 ng
RT: 12.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Instrument :
BNA_F
ClientSampleId :
DCW-WW-073-3515DL

Tot Ion:178 Resp: 17360
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 15.4 12.2 18.2

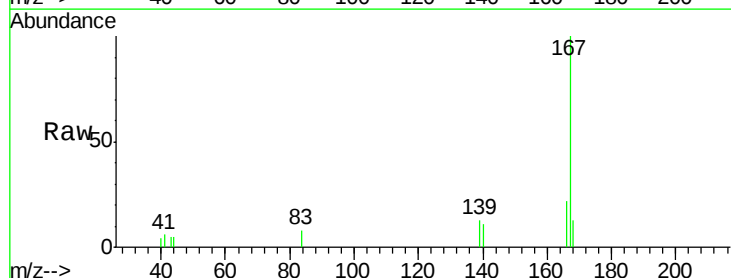


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

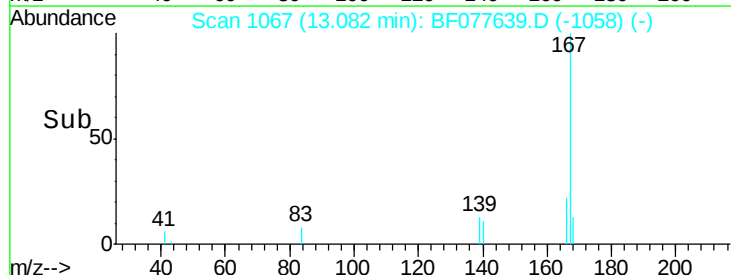
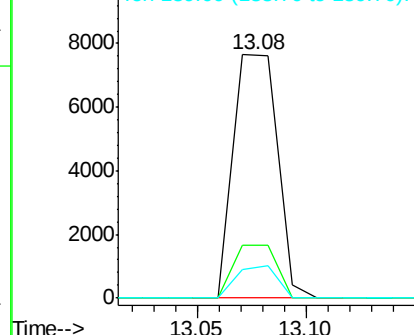


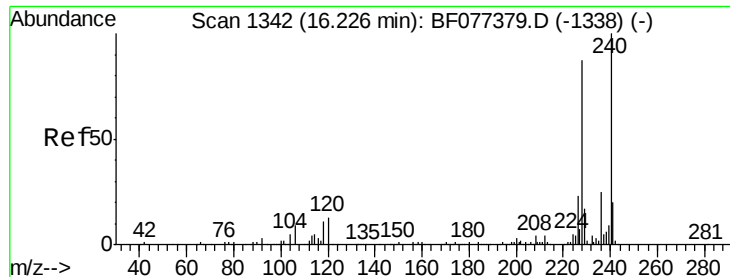
#72
Carbazole
Concen: 3.68 ng
RT: 13.08 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Tgt Ion:167 Resp: 10764
Ion Ratio Lower Upper
167 100
166 21.7 17.6 26.4
139 13.3 9.9 14.9



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.05 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BF077639.D

Acq: 9 Mar 2015 15:42

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515DL

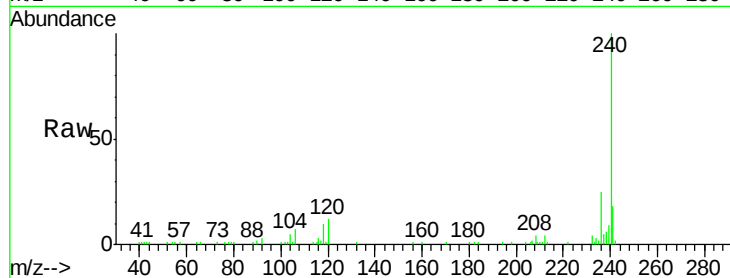
Tot Ion:240 Resp: 57067

Ion Ratio Lower Upper

240 100

120 11.9 8.8 13.2

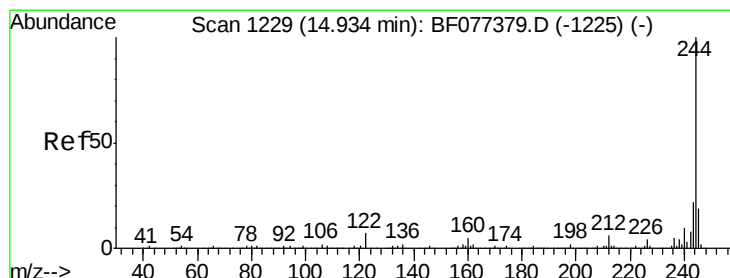
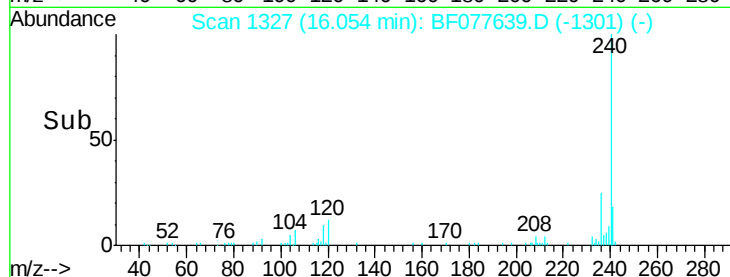
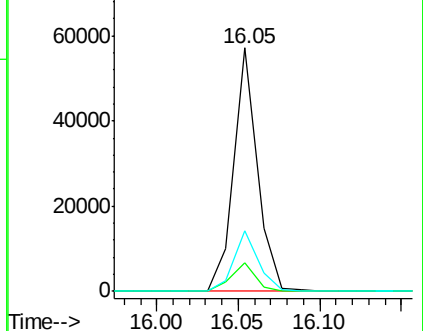
236 24.7 20.7 31.1



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: 74.50 ng

RT: 14.77 min Scan# 1215

Delta R.T. -0.00 min

Lab File: BF077639.D

Acq: 9 Mar 2015 15:42

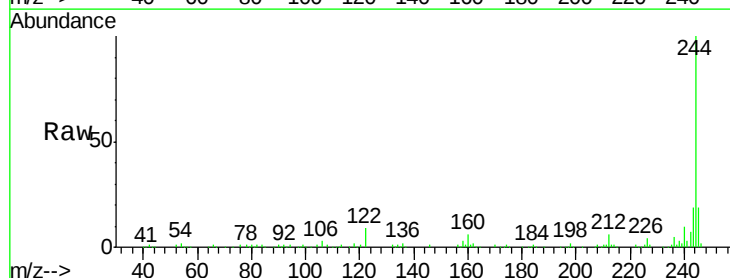
Tgt Ion:244 Resp: 181852

Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

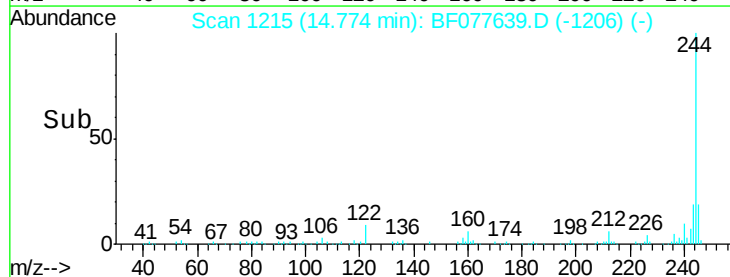
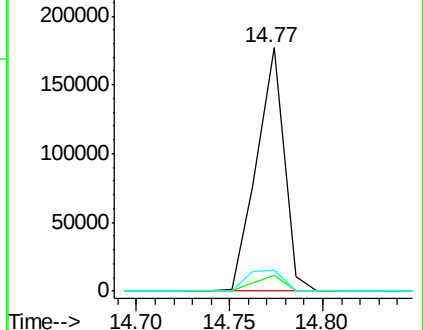
122 8.7 7.8 11.8

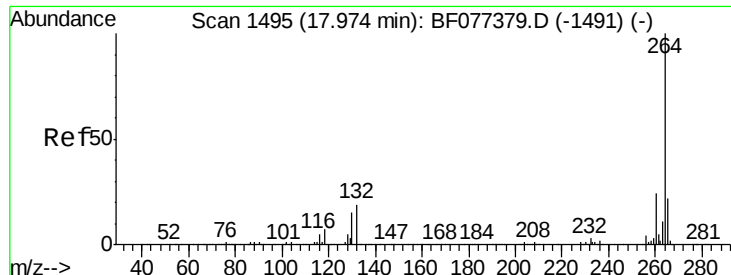


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

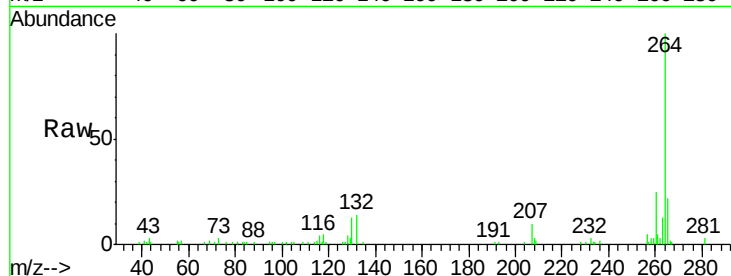




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.75 min Scan# 1476
Delta R.T. 0.02 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Instrument :
BNA_F
ClientSampleId :
DCW-WW-073-3515DL

Tot Ion: 264 Resp: 55839
Ion Ratio Lower Upper
264 100
260 24.6 19.3 28.9
265 21.6 16.8 25.2



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

