

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 00:00:38 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

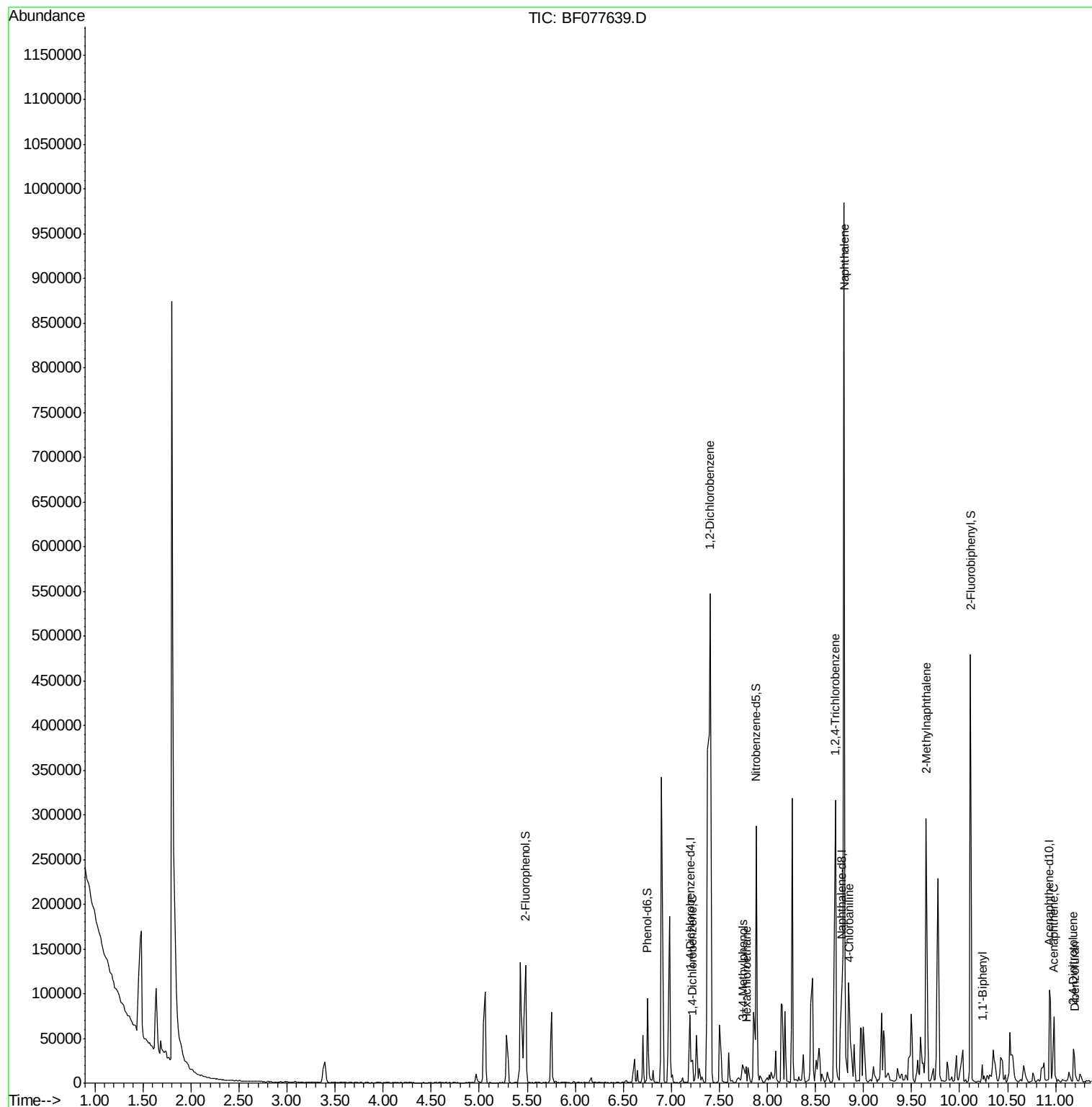
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.19	152	14382	20.00	ng	0.00
21) Naphthalene-d8	8.77	136	56956	20.00	ng	0.00
38) Acenaphthene-d10	10.94	164	28222	20.00	ng	0.00
63) Phenanthrene-d10	12.78	188	53463	20.00	ng	0.00
75) Chrysene-d12	16.05	240	57067	20.00	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
18) Hexachloroethane	7.79	117	1160	3.08	ng	# 1
20) 3+4-Methylphenols	7.74	107	9482	9.06	ng	# 30
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
71) Anthracene	12.81	178	13883	4.51	ng	98
72) Carbazole	13.08	167	10764	3.68	ng	99

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

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

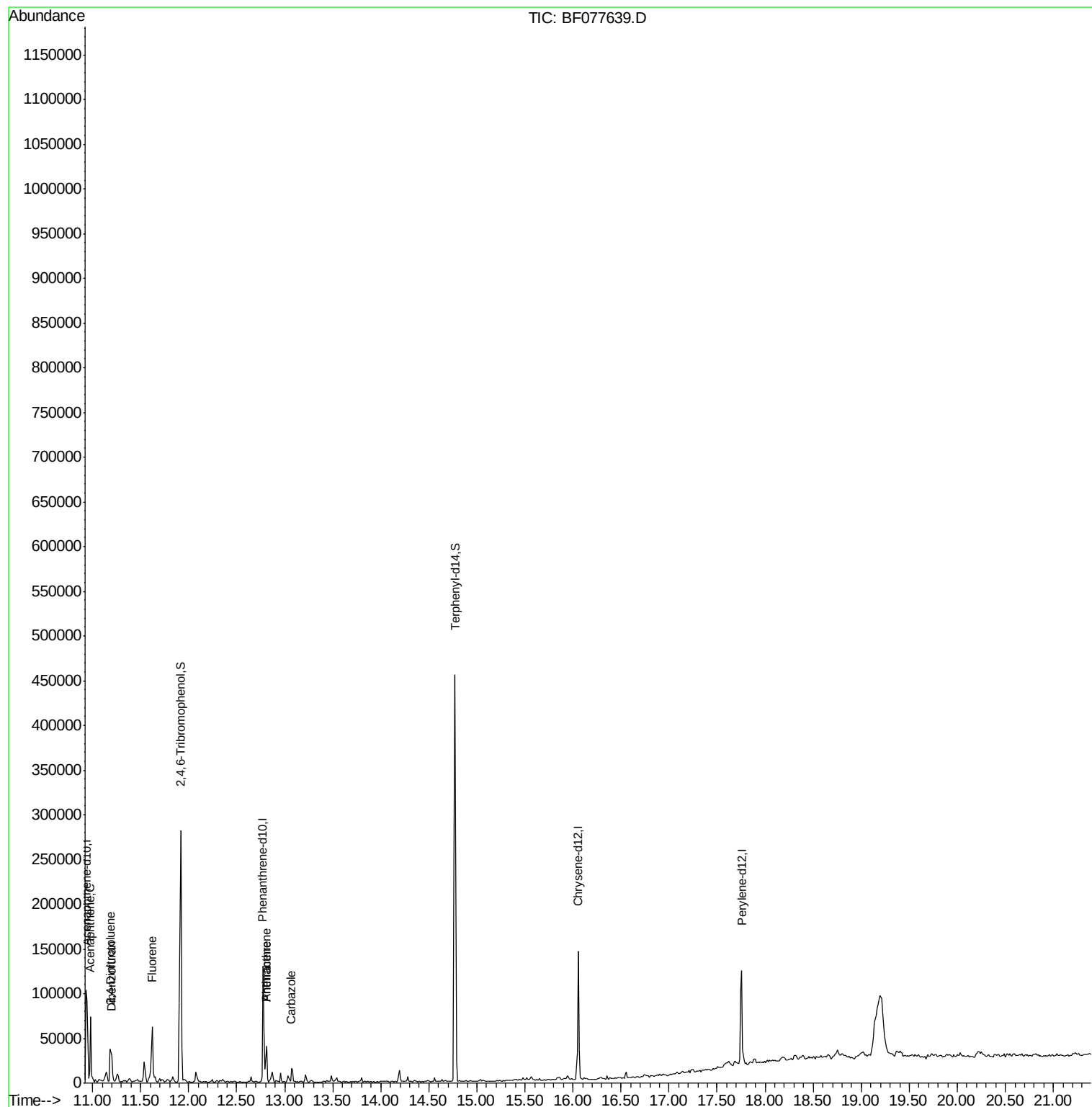
Quant Time: Mar 10 00:00:38 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 00:35:08 2015
Response via : Initial Calibration

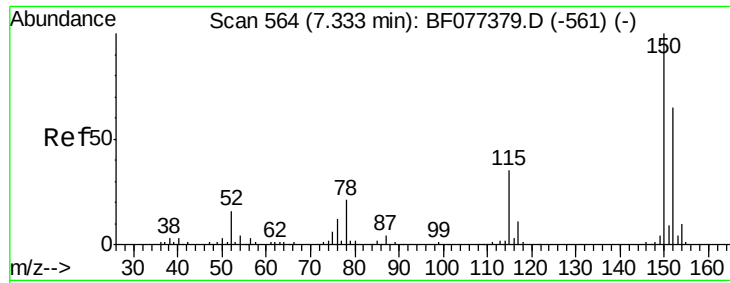


Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030915\
Data File : BF077639.D
Acq On : 9 Mar 2015 15:42
Operator : TP/IZ
Sample : G1442-01DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 10 00:00:38 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



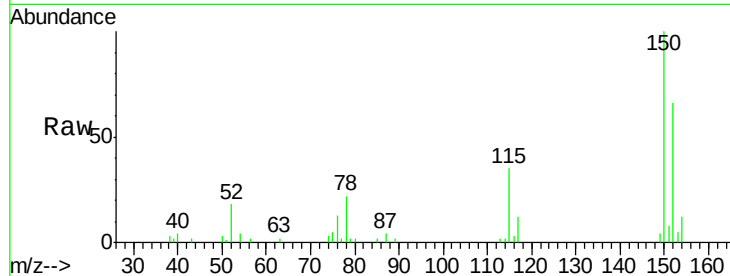


#1

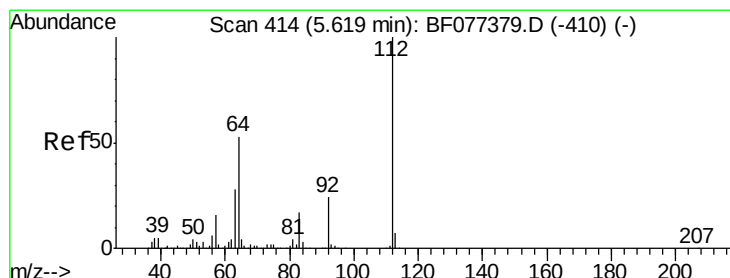
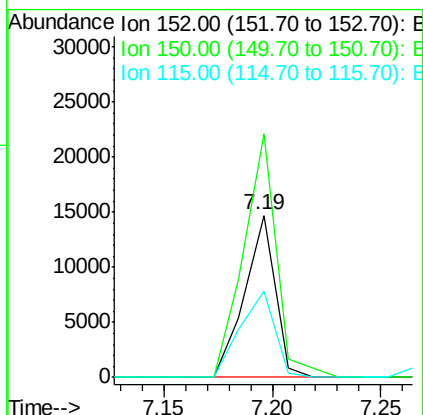
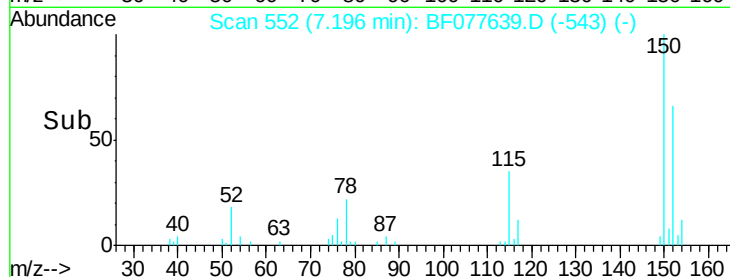
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.19 min Scan# 552
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

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

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



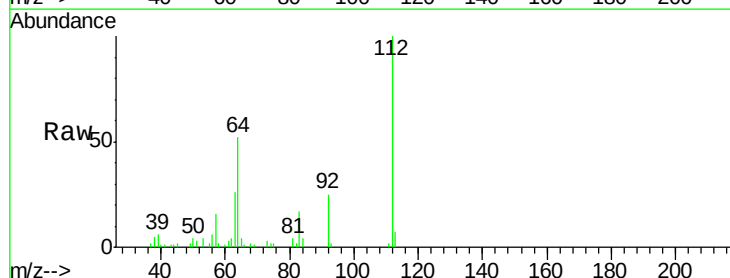
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



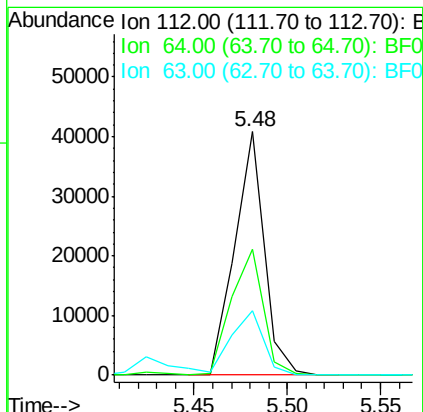
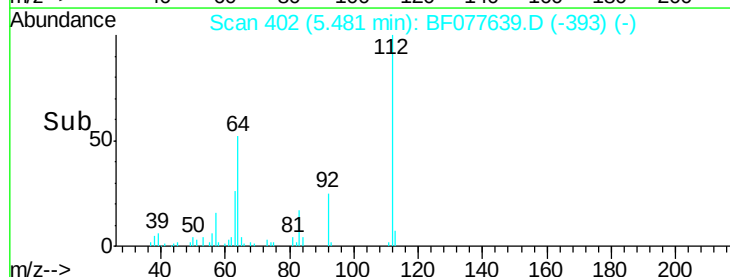
#5

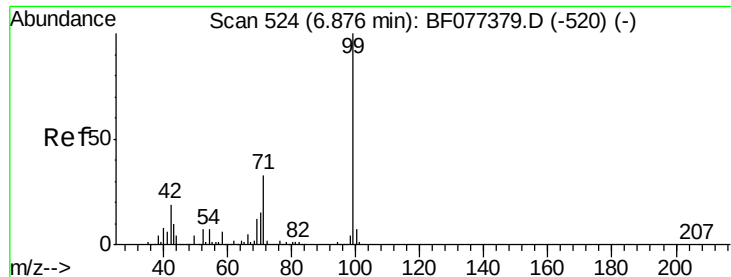
2-Fluorophenol
 Concen: 52.63 ng
 RT: 5.48 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

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

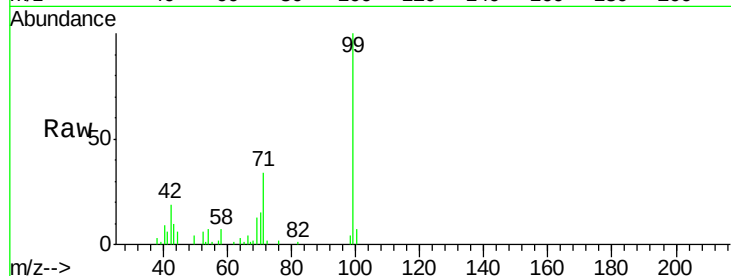
Tgt Ion: 99 Resp: 35193

Ion Ratio Lower Upper

99 100

42 18.6 16.2 24.4

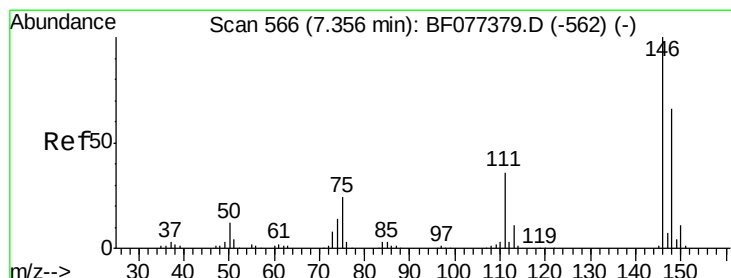
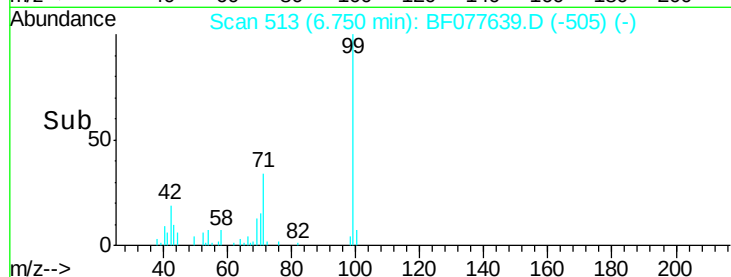
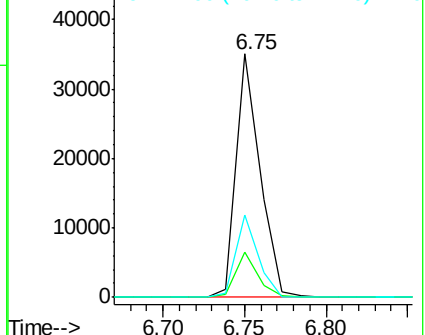
71 33.8 26.7 40.1



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

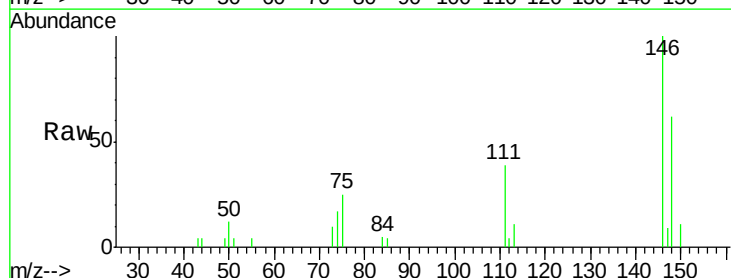
Tgt Ion: 146 Resp: 8799

Ion Ratio Lower Upper

146 100

148 61.8 52.0 78.0

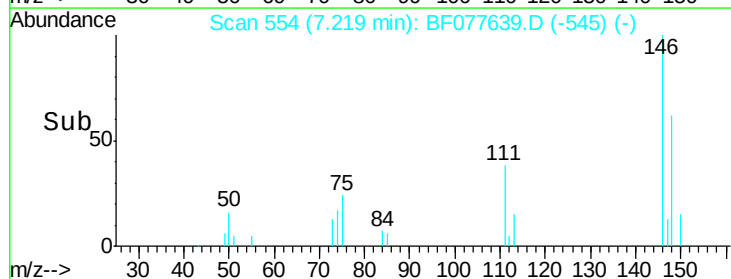
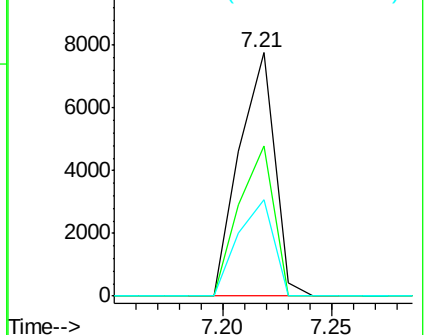
111 39.5 31.9 47.9

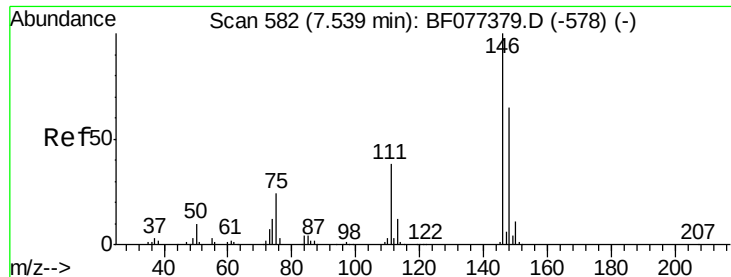


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

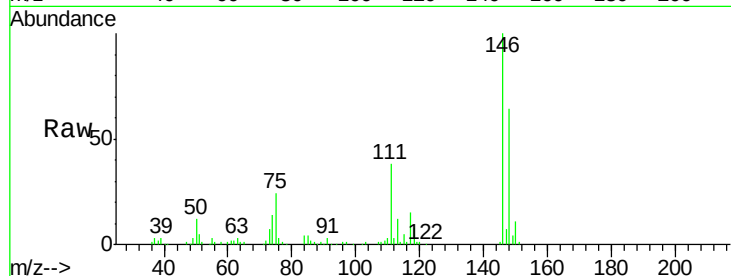




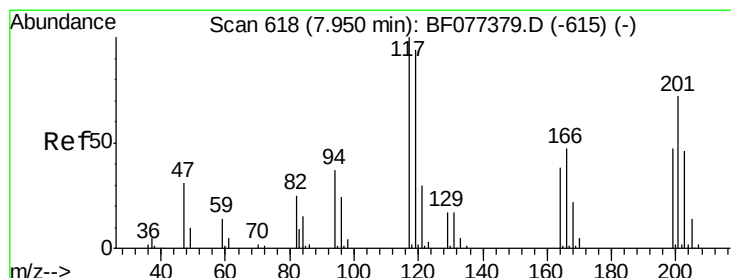
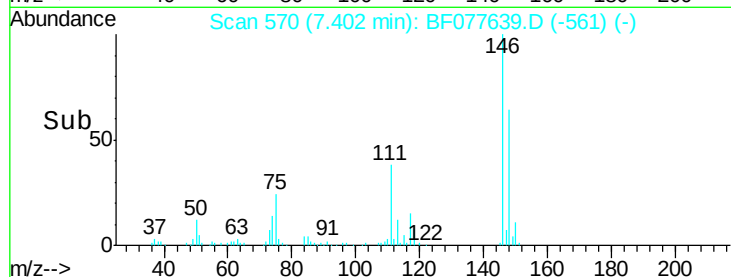
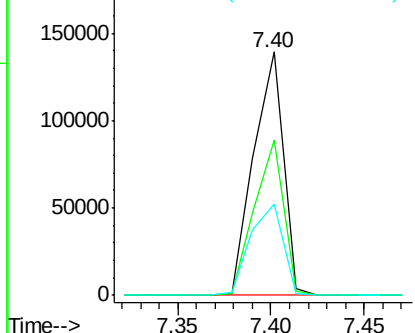
#14
 1,2-Dichlorobenzene
 Concen: 142.70 ng
 RT: 7.40 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

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

Tgt Ion:146 Resp: 152815
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.6 77.4
 111 37.7 34.2 51.2

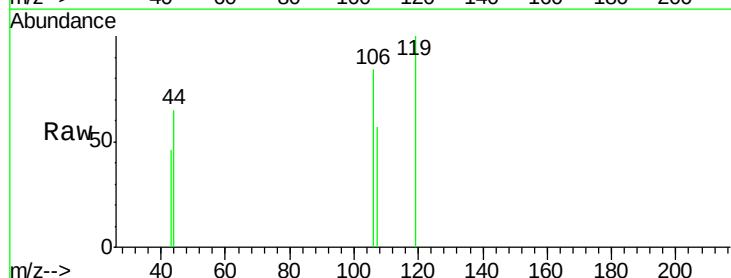


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

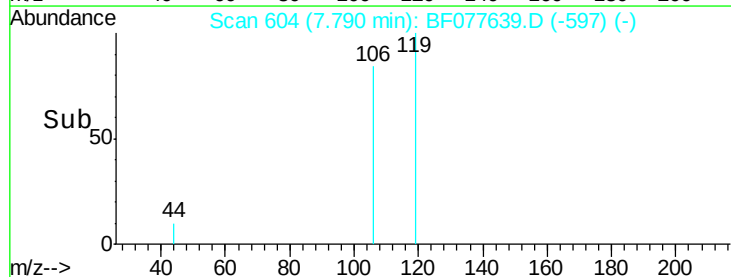
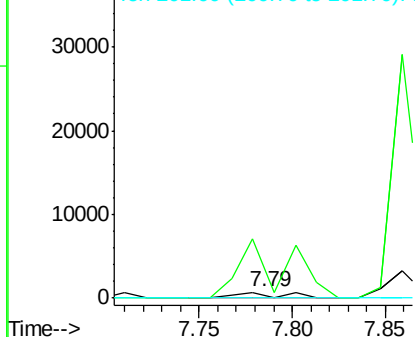


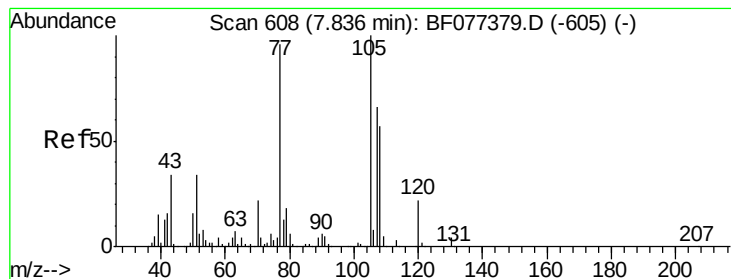
#18
 Hexachloroethane
 Concen: 3.08 ng
 RT: 7.79 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

Tgt Ion:117 Resp: 1160
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.8 116.8#
 201 0.0 90.6 136.0#



Abundance Ion 117.00 (116.70 to 117.70): E
 Ion 119.00 (118.70 to 119.70): E
 Ion 201.00 (200.70 to 201.70): E





#20

3+4-Methylphenols

Concen: 9.06 ng

RT: 7.74 min Scan# 600

Delta R.T. 0.02 min

Lab File: BF077639.D

Acq: 9 Mar 2015 15:42

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515DL

Tgt Ion:107 Resp: 9482

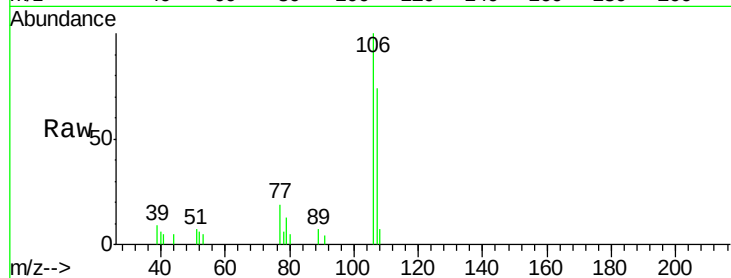
Ion Ratio Lower Upper

107 100

108 9.9 76.8 116.8#

77 25.8 65.8 105.8#

79 18.2 9.6 49.6

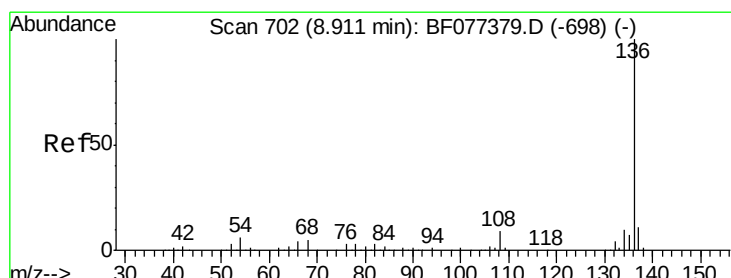
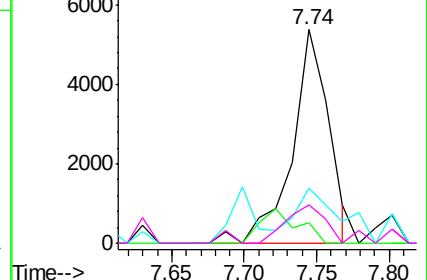
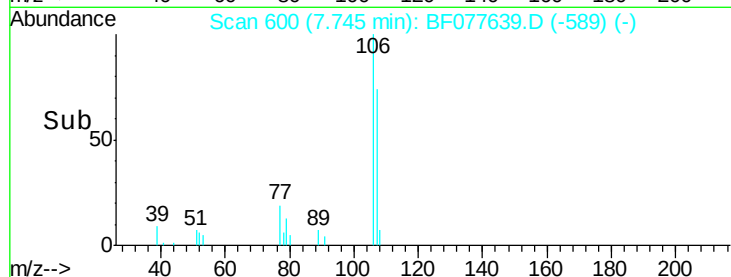


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#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

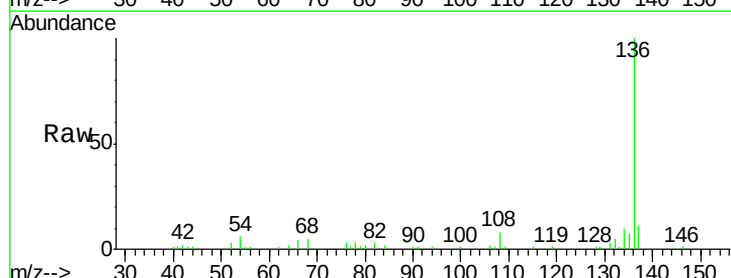
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 5.9 6.2 9.4#

68 4.7 5.0 7.6#

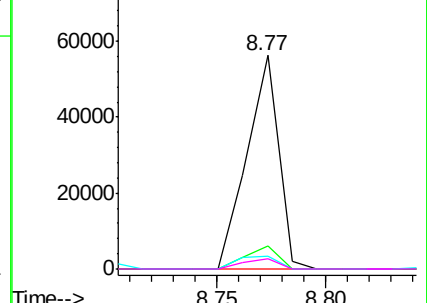
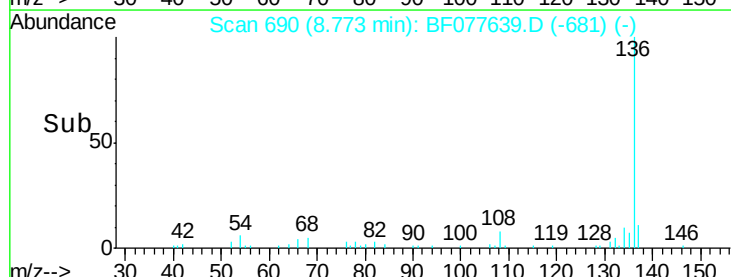


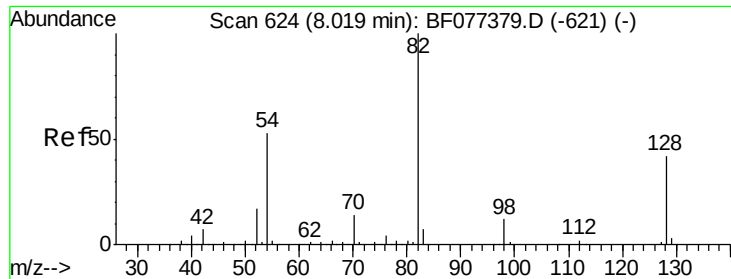
Abundance Ion 136.00 (135.70 to 136.70): E

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

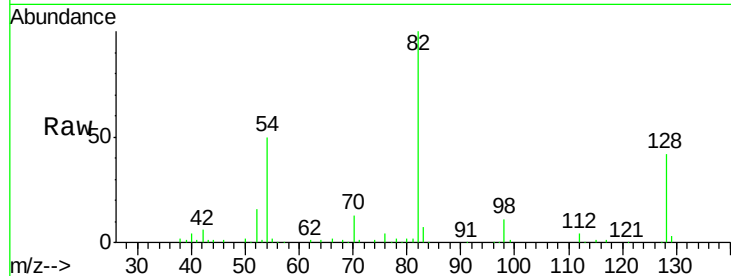




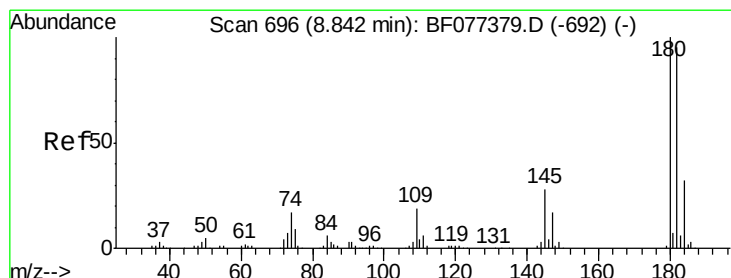
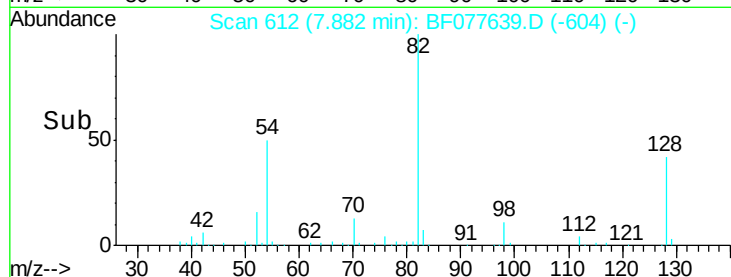
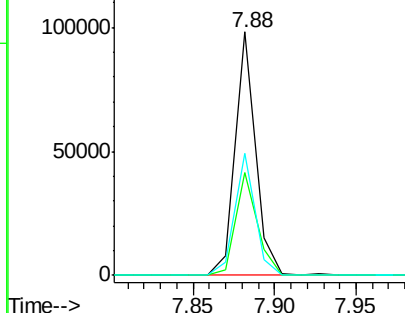
#23
 Nitrobenzene-d5
 Concen: 92.14 ng
 RT: 7.88 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

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

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

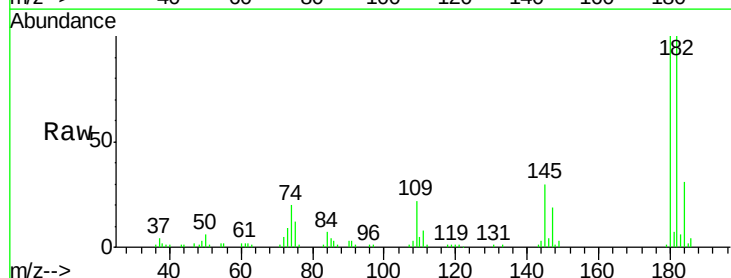


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

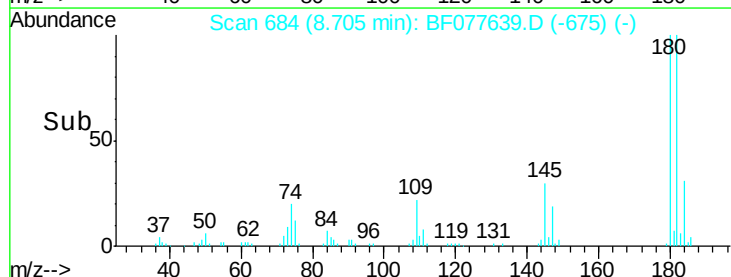
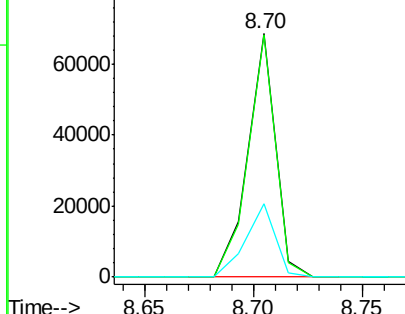


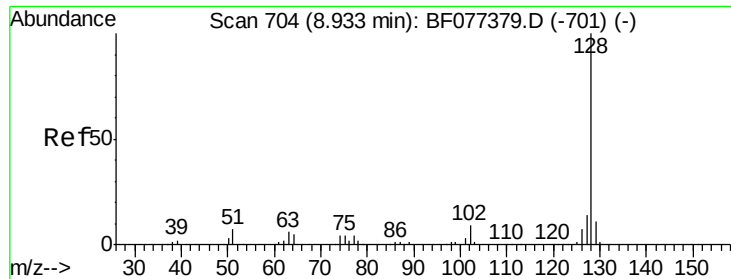
#30
 1,2,4-Trichlorobenzene
 Concen: 66.67 ng
 RT: 8.70 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

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): B
 Ion 182.00 (181.70 to 182.70): B
 Ion 145.00 (144.70 to 145.70): B

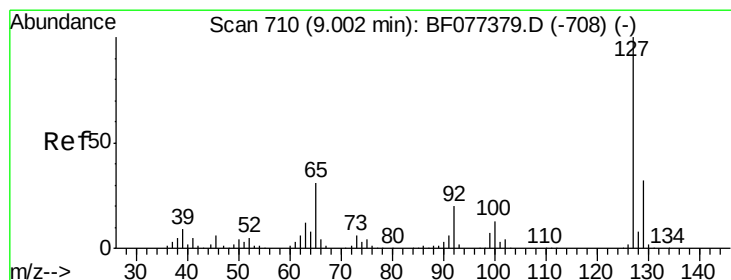
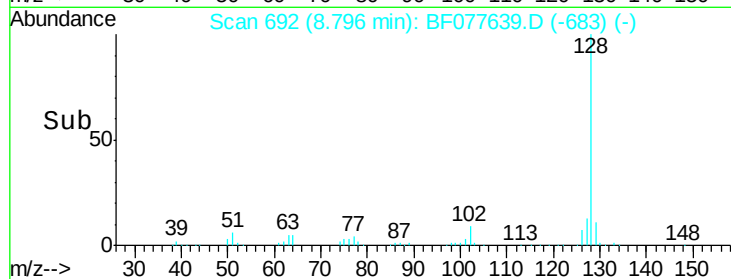
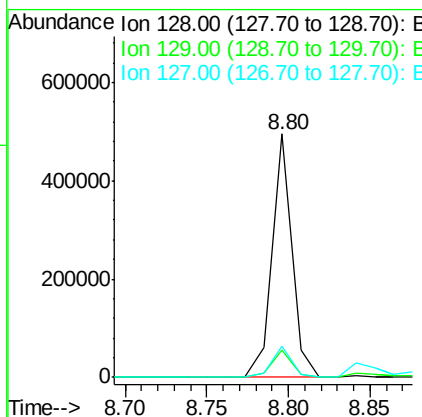
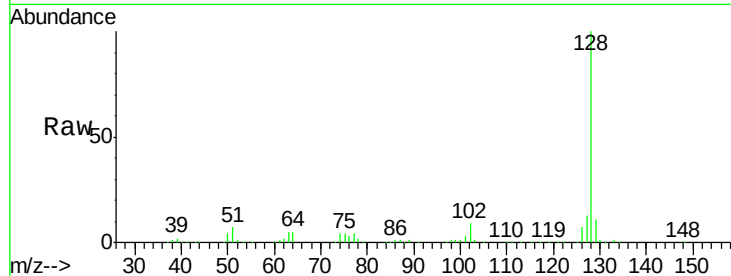




#31
Naphthalene
Concen: 147.72 ng
RT: 8.80 min Scan# 692
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

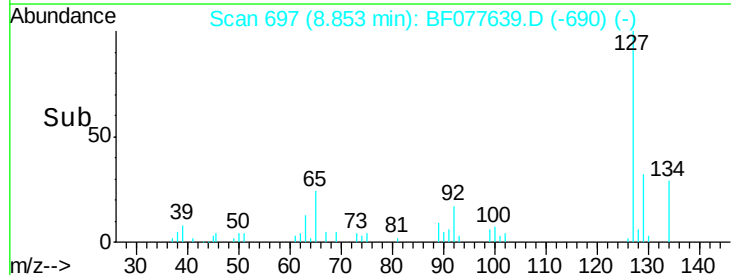
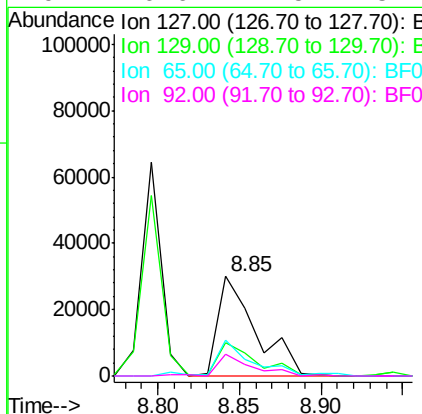
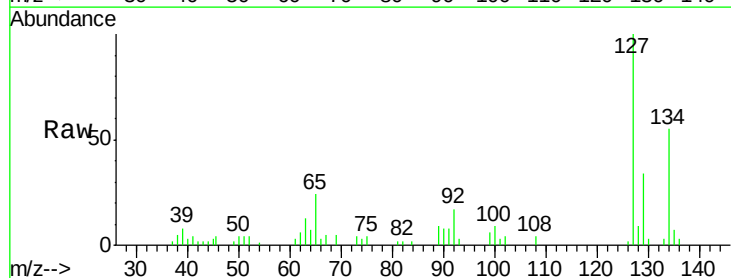
Instrument :
BNA_F
ClientSampleId :
DCW-WW-073-3515DL

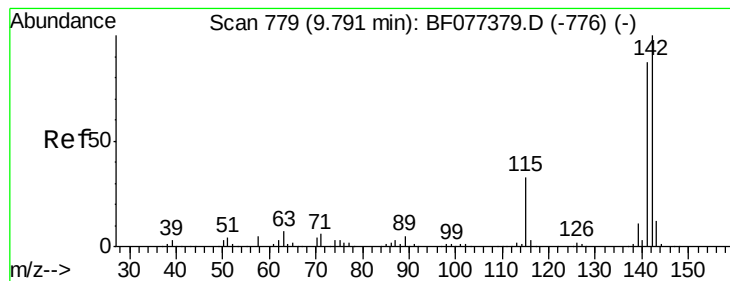
Tgt Ion:128 Resp: 420738
Ion Ratio Lower Upper
128 100
129 11.0 9.4 14.0
127 13.0 10.6 15.8



#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

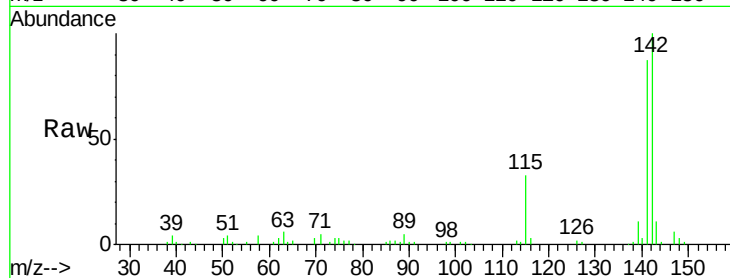
Tgt Ion:142 Resp: 79424

Ion Ratio Lower Upper

142 100

141 86.7 70.7 106.1

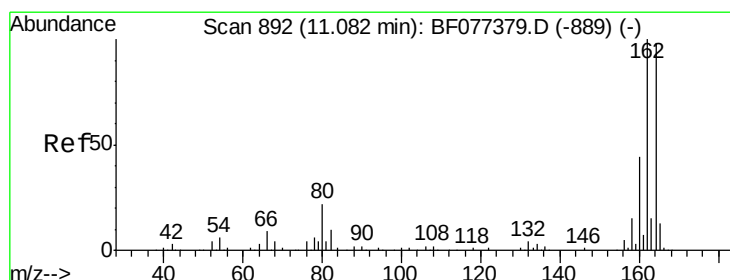
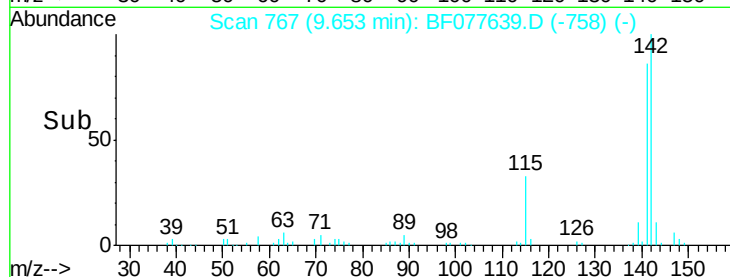
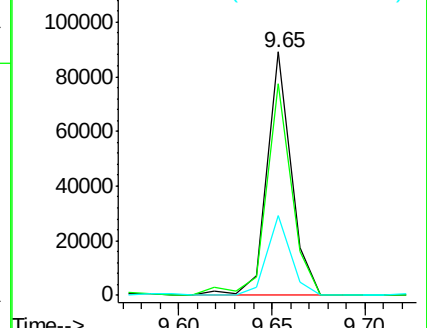
115 32.7 24.2 36.4



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

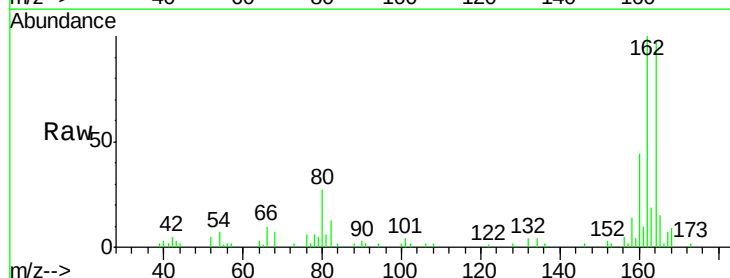
Tgt Ion:164 Resp: 28222

Ion Ratio Lower Upper

164 100

162 103.4 83.2 124.8

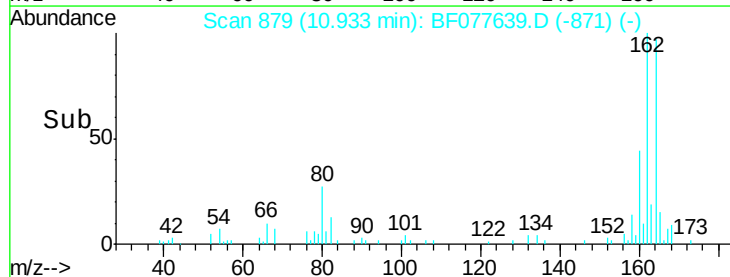
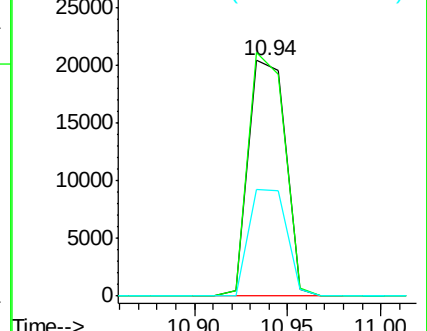
160 45.5 34.6 52.0

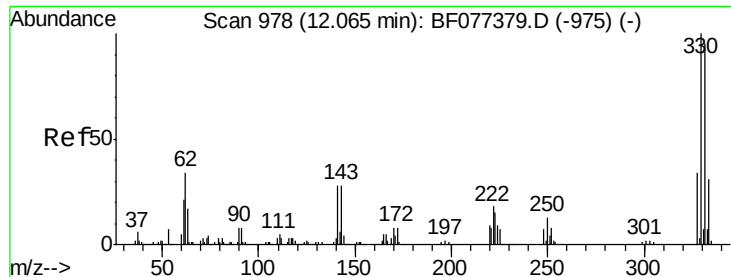


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

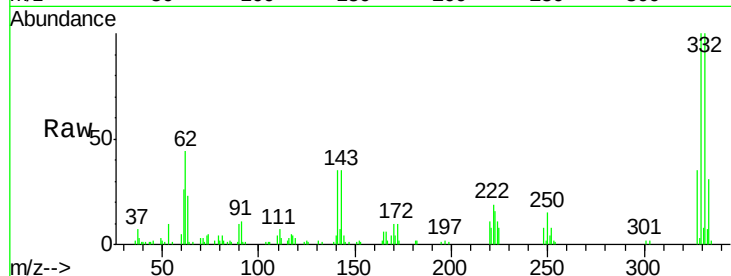




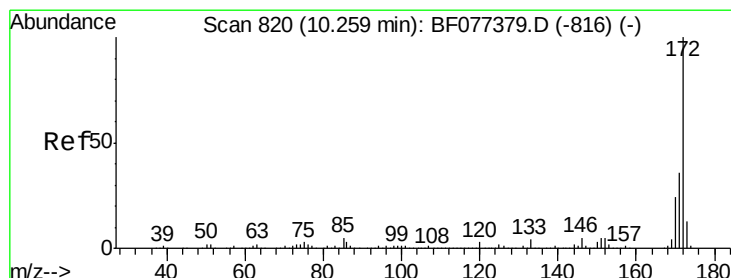
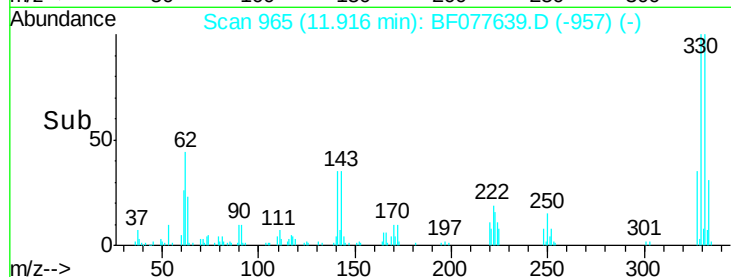
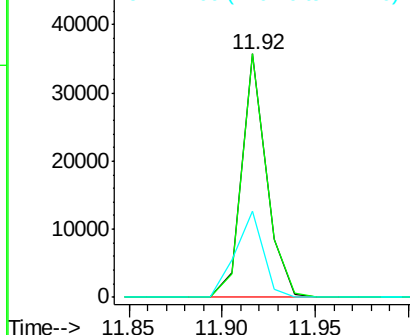
#41
 2,4,6-Tribromophenol
 Concen: 122.19 ng
 RT: 11.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

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

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

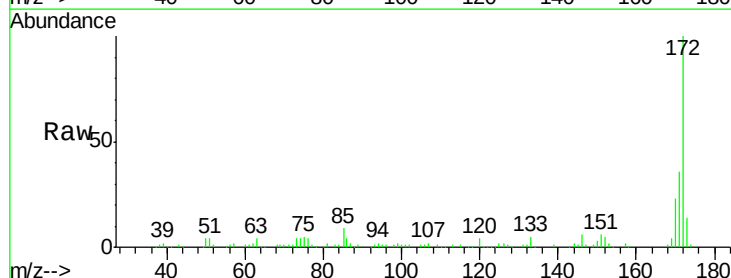


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

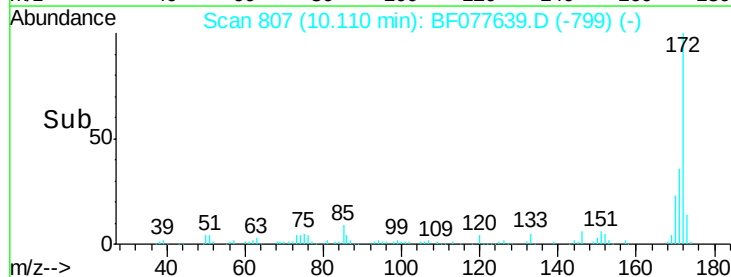
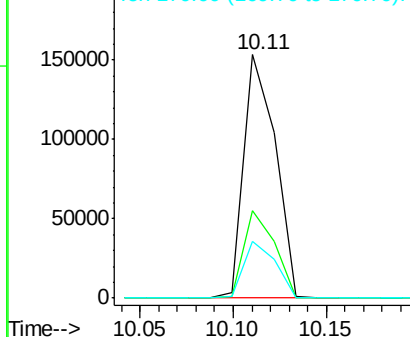


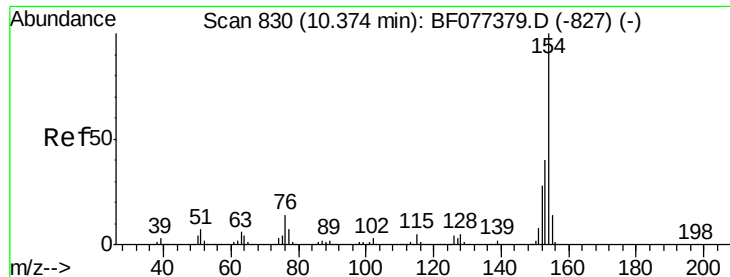
#44
 2-Fluorobiphenyl
 Concen: 99.65 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

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

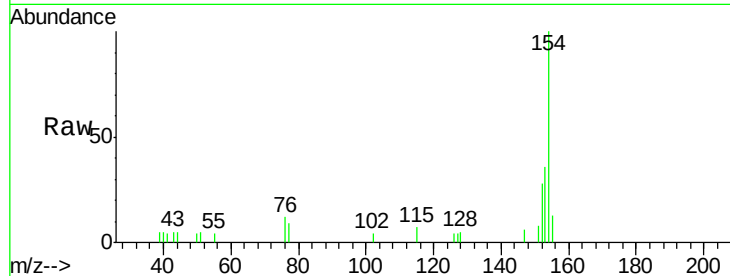




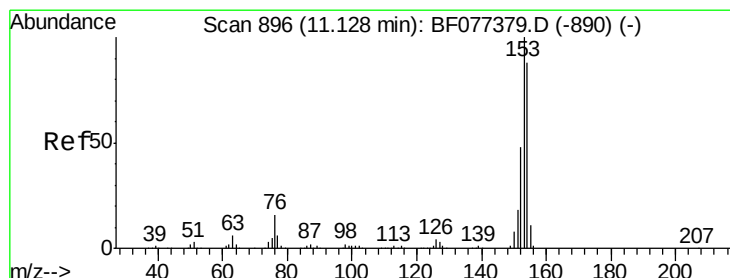
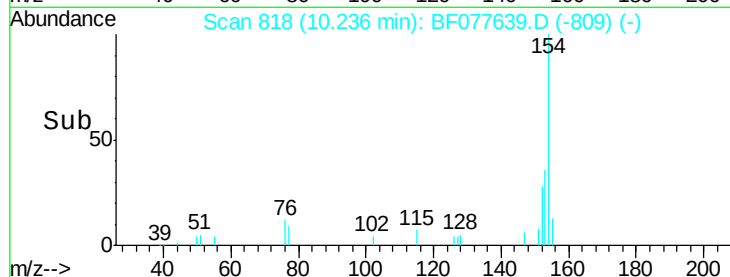
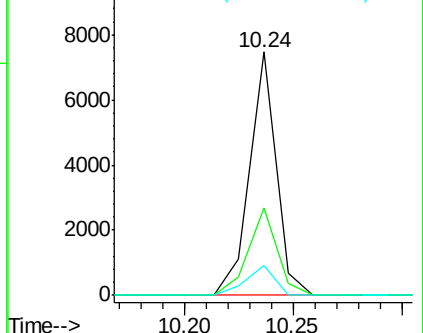
#45
1,1'-Biphenyl
Concen: 2.97 ng
RT: 10.24 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

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

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

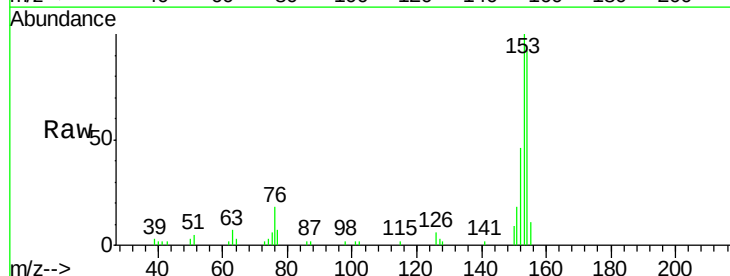


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

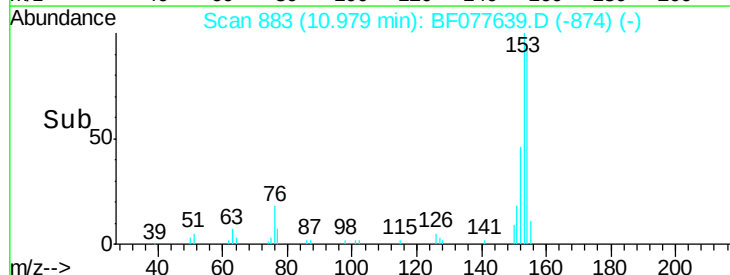
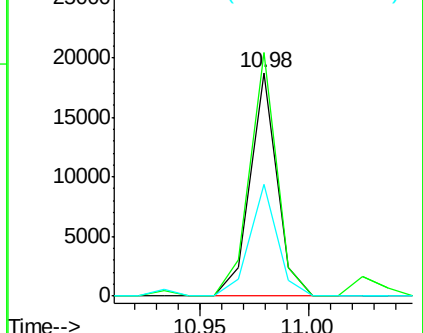


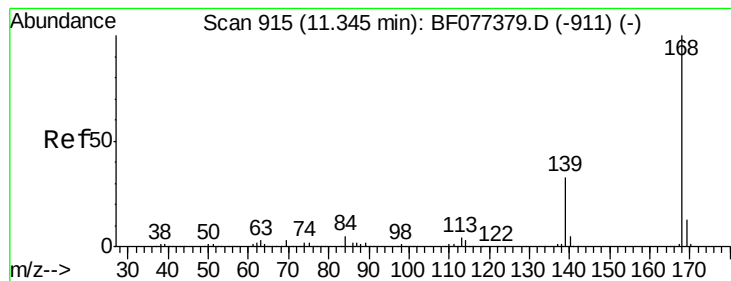
#51
Acenaphthene
Concen: 10.21 ng
RT: 10.98 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

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

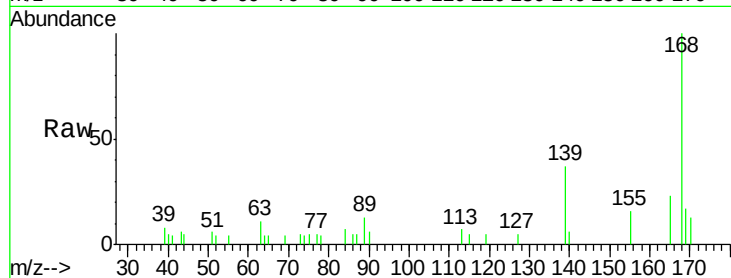
Tgt Ion:168 Resp: 7762

Ion Ratio Lower Upper

168 100

139 37.4 29.3 43.9

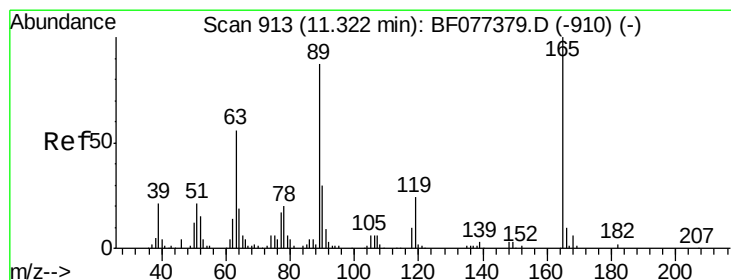
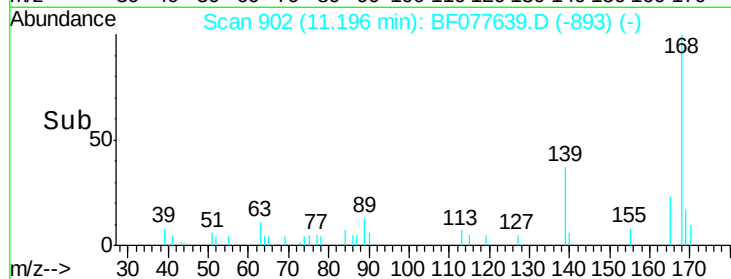
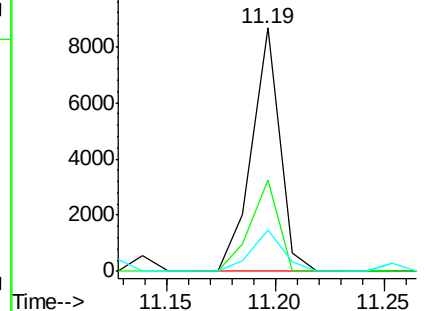
169 16.9 10.9 16.3#



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

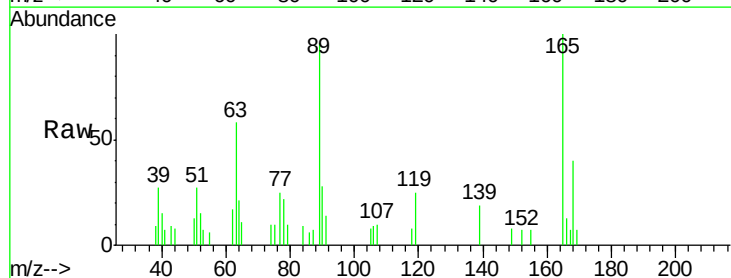
Ion Ratio Lower Upper

165 100

63 57.7 29.8 44.8#

89 95.5 48.5 72.7#

182 0.0 1.9 2.9#

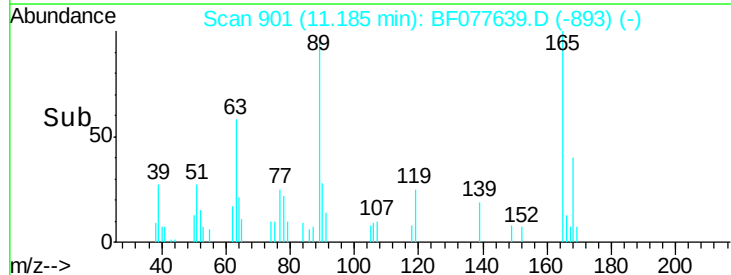
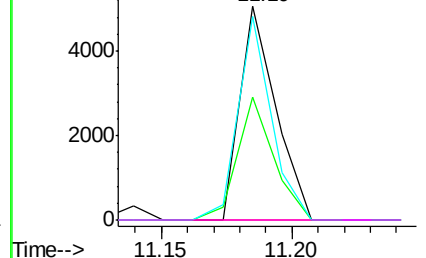


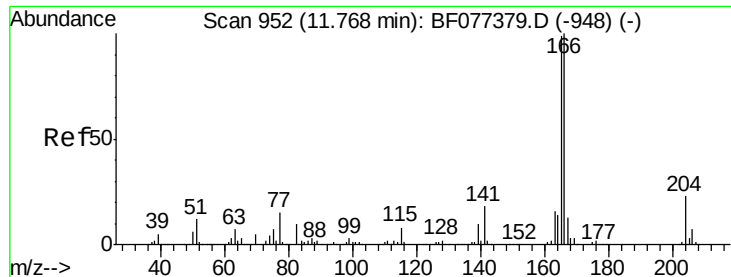
Abundance Ion 165.00 (164.70 to 165.70): E

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

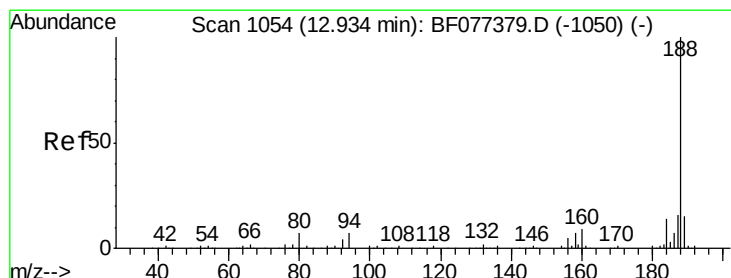
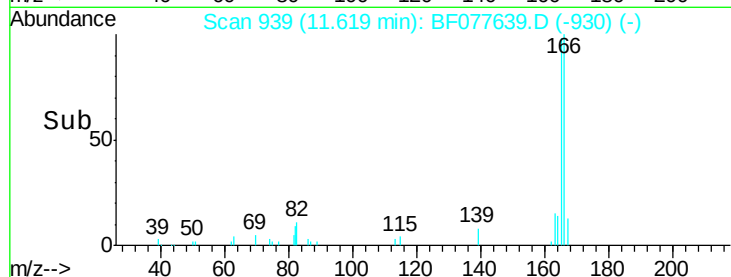
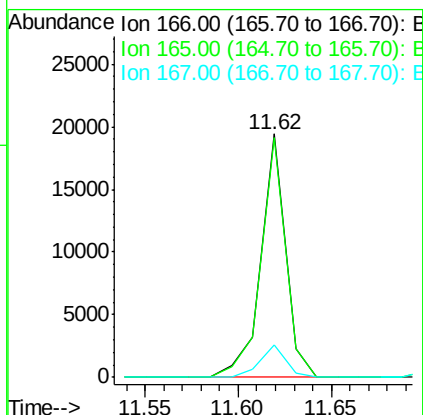
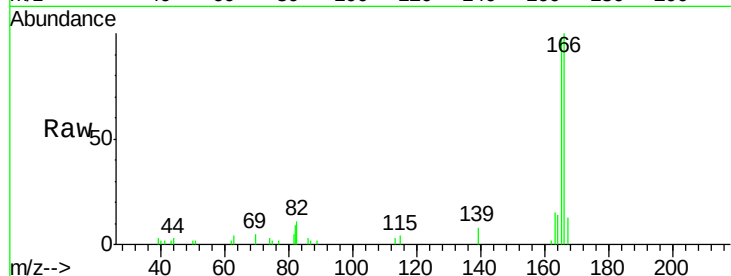




#57
 Fluorene
 Concen: 9.05 ng
 RT: 11.62 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

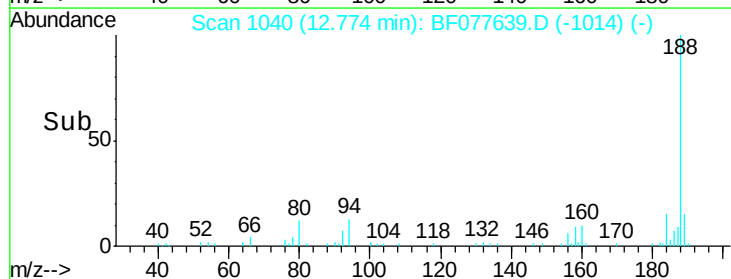
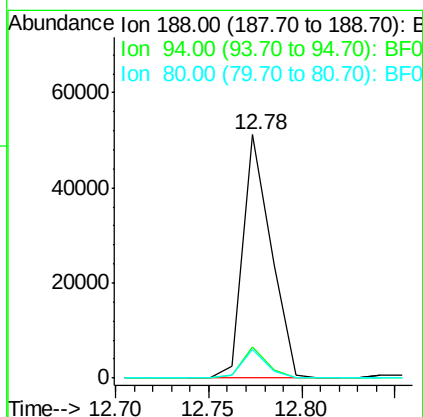
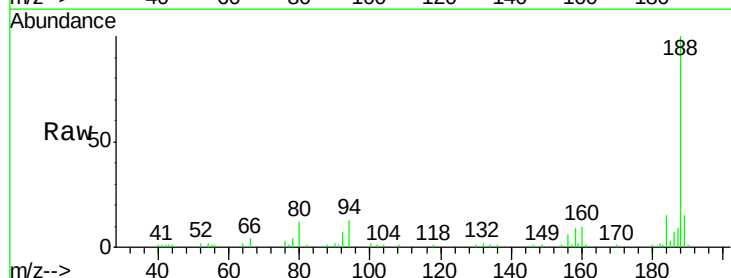
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-073-3515DL

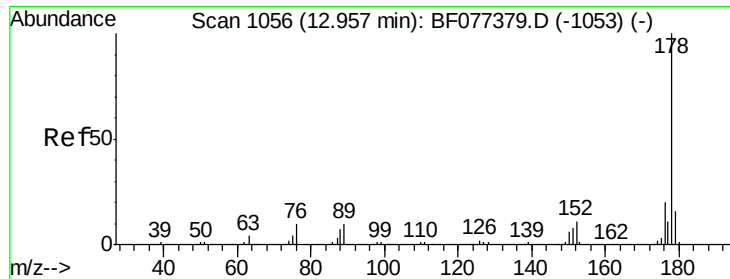
Tgt Ion:166 Resp: 17701
 Ion Ratio Lower Upper
 166 100
 165 98.3 77.6 116.4
 167 13.1 10.6 16.0



#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

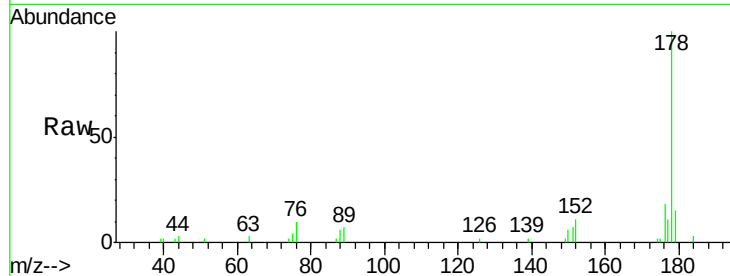




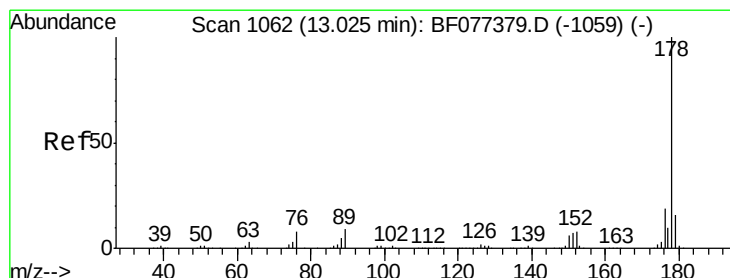
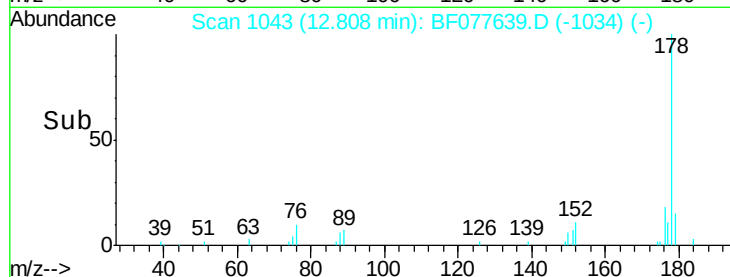
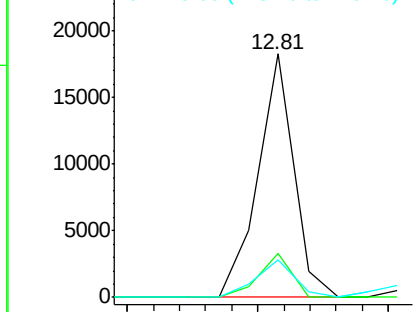
#70
Phenanthrene
Concen: 5.60 ng
RT: 12.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

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

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

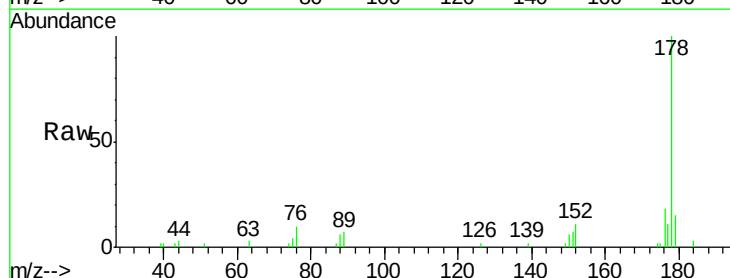


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

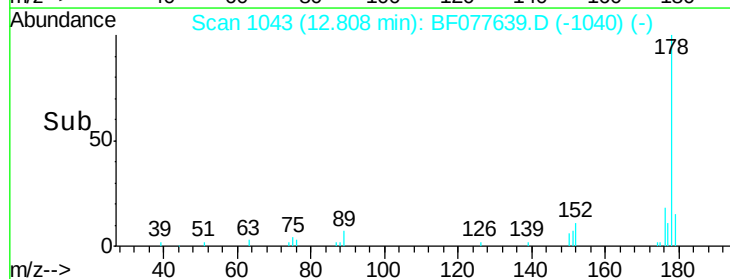
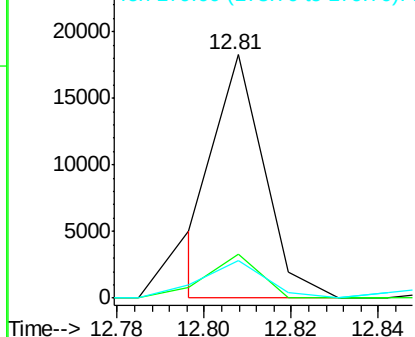


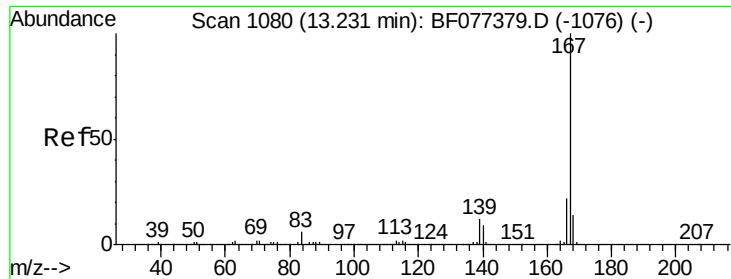
#71
Anthracene
Concen: 4.51 ng
RT: 12.81 min Scan# 1043
Delta R.T. -0.06 min
Lab File: BF077639.D
Acq: 9 Mar 2015 15:42

Tgt Ion:178 Resp: 13883
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 15.4 12.9 19.3



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

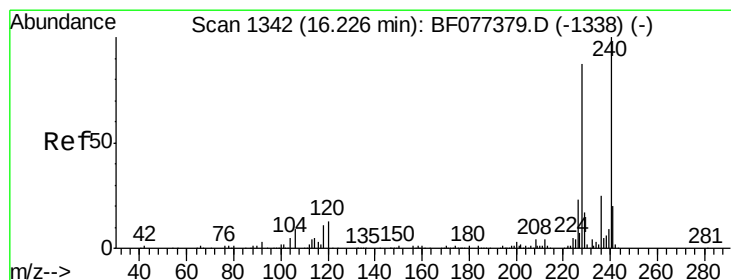
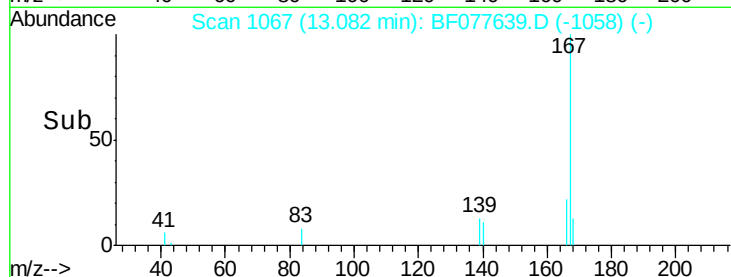
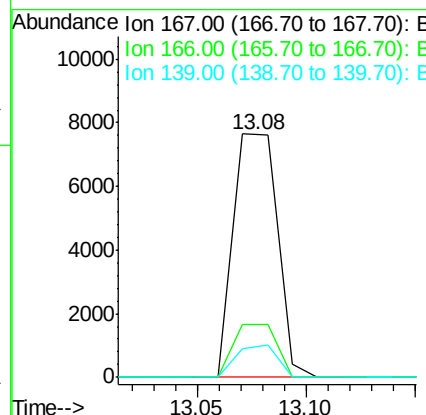
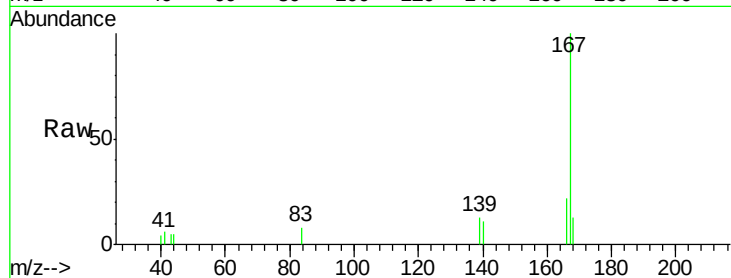




#72
 Carbazole
 Concen: 3.68 ng
 RT: 13.08 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

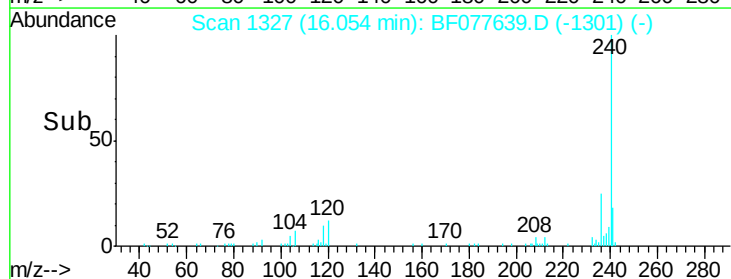
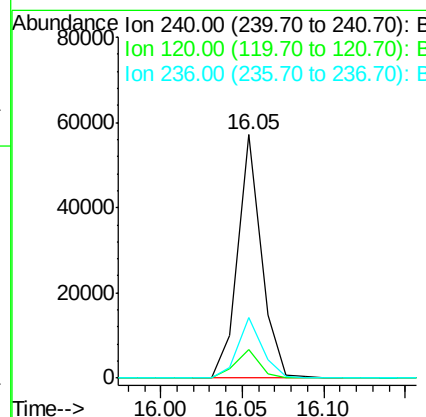
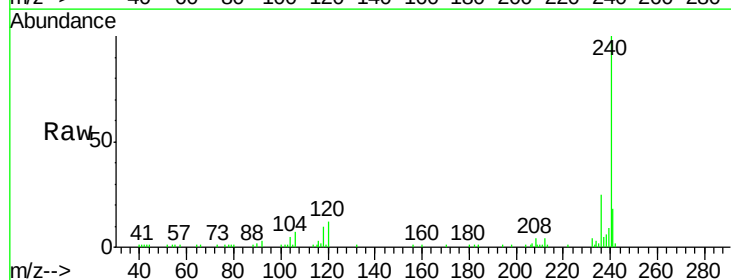
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-073-3515DL

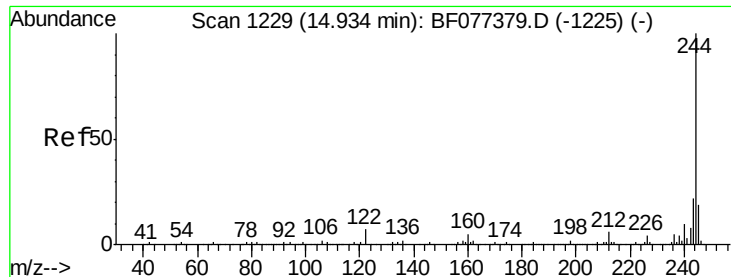
Tgt Ion:167 Resp: 10764
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 13.3 9.9 14.9



#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

Tgt Ion:240 Resp: 57067
 Ion Ratio Lower Upper
 240 100
 120 11.9 8.8 13.2
 236 24.7 20.7 31.1

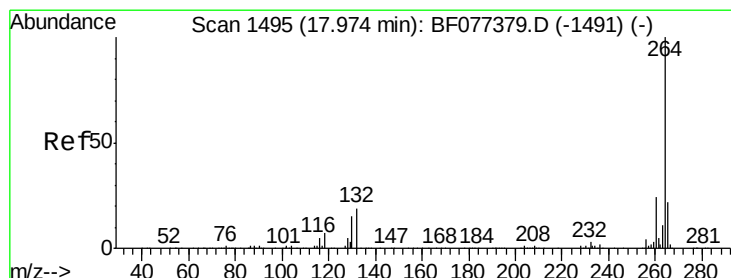
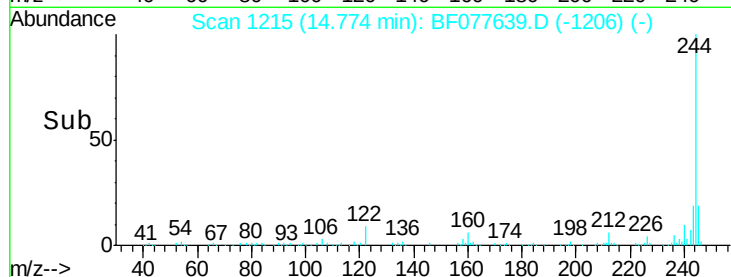
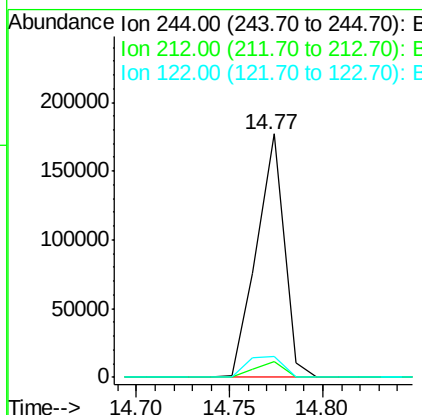
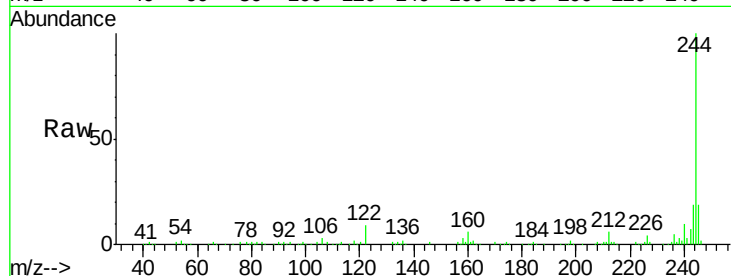




#78
 Terphenyl-d14
 Concen: 74.50 ng
 RT: 14.77 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF077639.D
 Acq: 9 Mar 2015 15:42

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

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



#86
 Perylene-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

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

