

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030615\
 Data File : BF077630.D
 Acq On : 6 Mar 2015 19:08
 Operator : TP/IZ
 Sample : G1442-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 06 22:35:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 22:10:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.20	152	65858	20.00	ng	0.00
21) Naphthalene-d8	8.78	136	262762	20.00	ng	0.00
38) Acenaphthene-d10	10.95	164	128969	20.00	ng	0.00
63) Phenanthrene-d10	12.79	188	246960	20.00	ng	0.00
75) Chrysene-d12	16.07	240	268906	20.00	ng	0.00
86) Perylene-d12	17.79	264	265003	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	213547	54.13	ng	0.00
7) Phenol-d6	6.76	99	160746	31.69	ng	0.00
23) Nitrobenzene-d5	7.89	82	363599	86.05	ng	0.00
41) 2,4,6-Tribromophenol	11.93	330	159701	128.60	ng	0.00
44) 2-Fluorobiphenyl	10.13	172	782644	94.62	ng	0.00
78) Terphenyl-d14	14.78	244	832813	72.40	ng	0.00

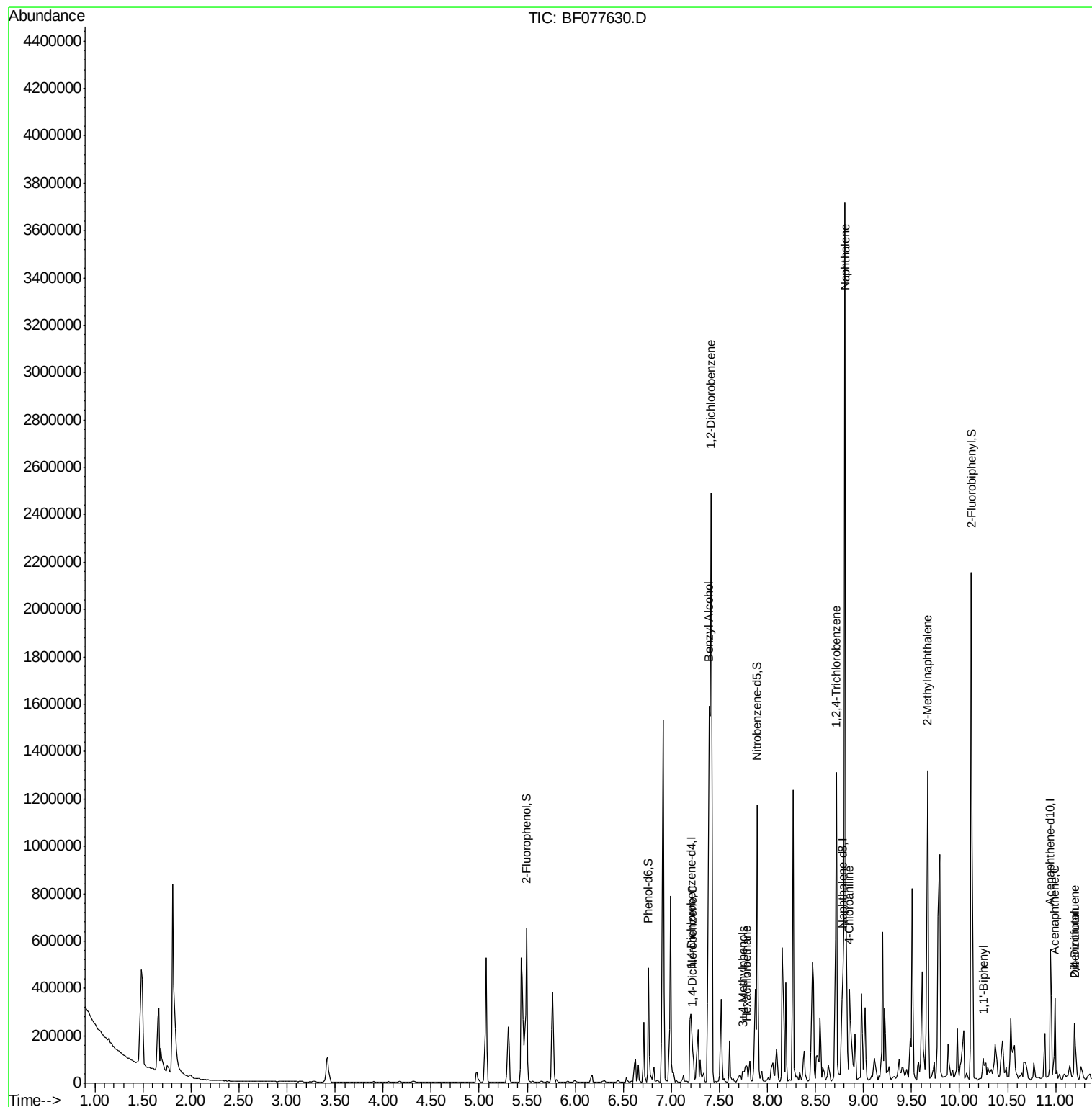
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	7.22	146	38282	7.43	ng	96
14) 1,2-Dichlorobenzene	7.41	146	643327	131.19	ng	98
15) Benzyl Alcohol	7.39	79	8937	2.32	ng	# 55
18) Hexachloroethane	7.78	117	3776	2.19	ng	# 1
20) 3+4-Methylphenols	7.75	107	35916	7.50	ng	# 28
30) 1,2,4-Trichlorobenzene	8.71	180	274007	65.13	ng	98
31) Naphthalene	8.81	128	1600207	121.78	ng	98
33) 4-Chloroaniline	8.86	127	128736	22.03	ng	99
37) 2-Methylnaphthalene	9.66	142	347389	37.23	ng	98
45) 1,1'-Biphenyl	10.25	154	26826	2.75	ng	97
51) Acenaphthene	10.99	154	74561	10.30	ng	98
54) Dibenzofuran	11.20	168	38445	3.44	ng	98
56) 2,4-Dinitrotoluene	11.20	165	28781	11.72	ng	# 76
57) Fluorene	11.63	166	86898	9.72	ng	95
70) Phenanthrene	12.82	178	82768	5.78	ng	99
72) Carbazole	13.09	167	53240	3.94	ng	98

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

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DCW-WW-073-3515

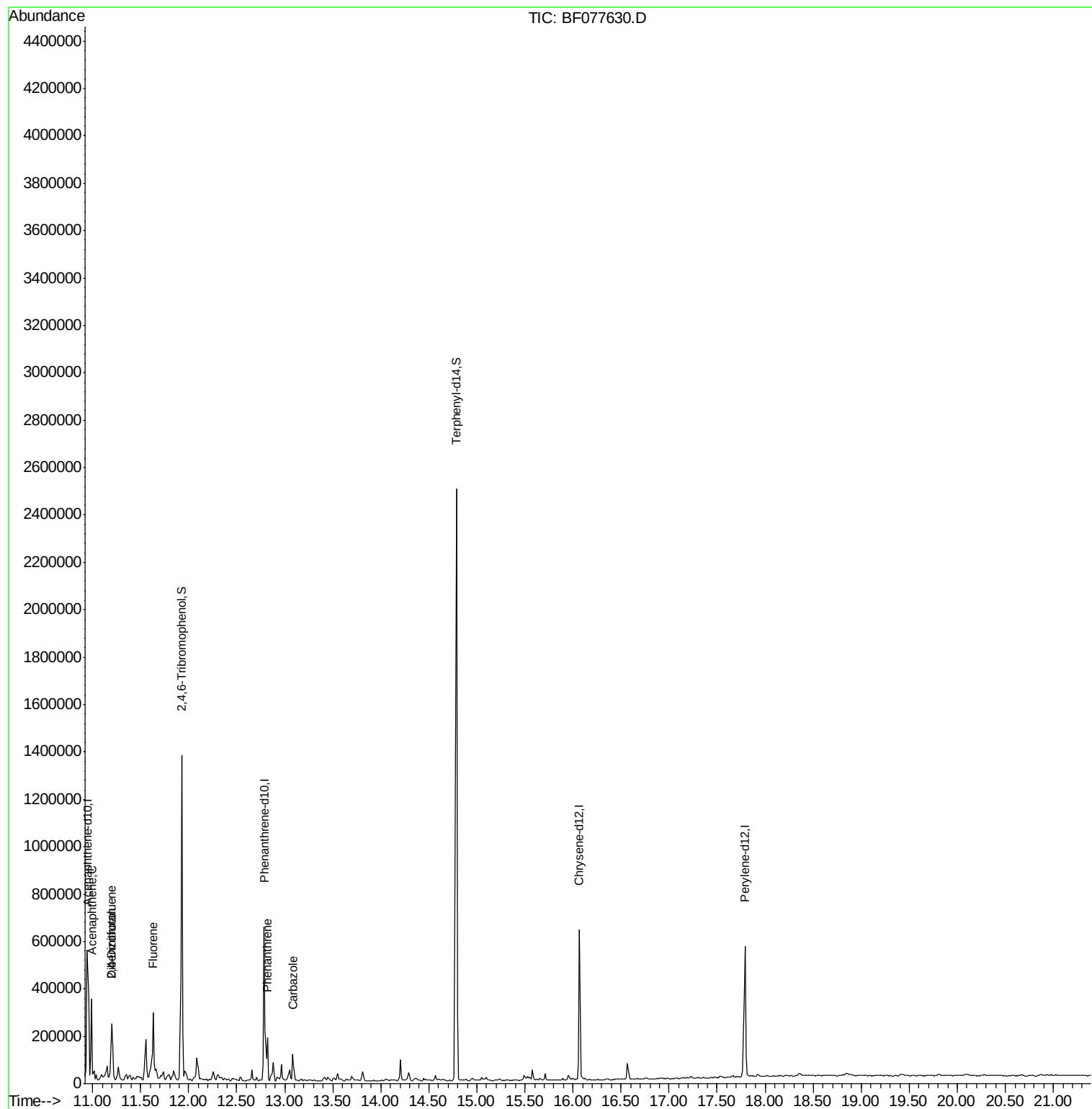
Quant Time: Mar 06 22:35:24 2015
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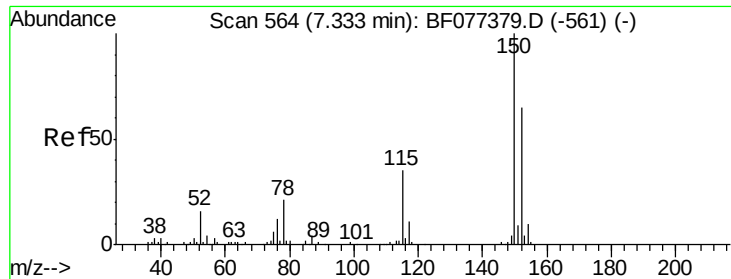


Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030615\
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Quant Time: Mar 06 22:35:24 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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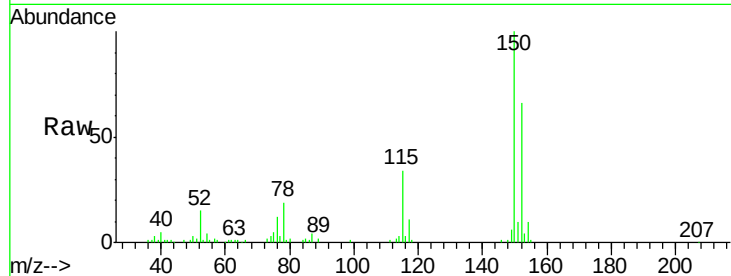


#1

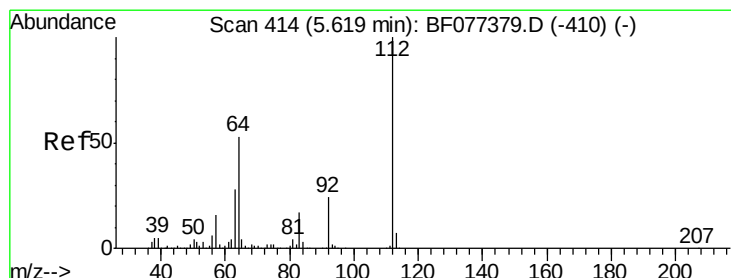
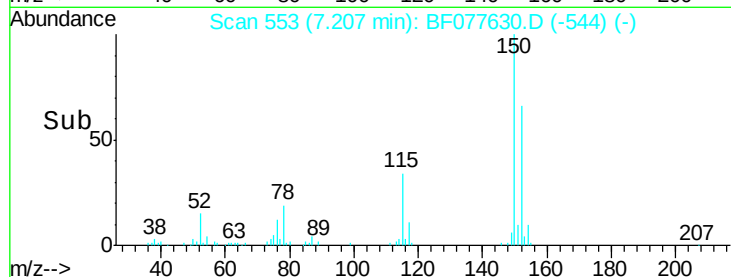
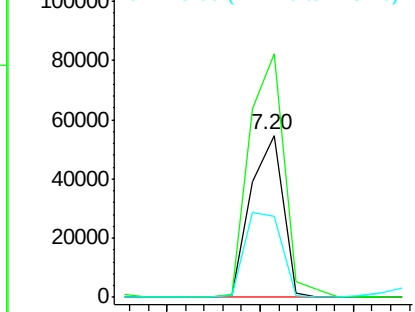
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.20 min Scan# 553
Delta R.T. -0.00 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

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

Tgt Ion:152 Resp: 65858
Ion Ratio Lower Upper
152 100
150 150.5 124.0 186.0
115 50.5 49.4 74.2



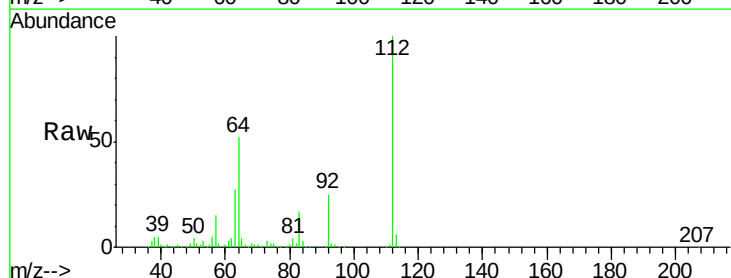
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



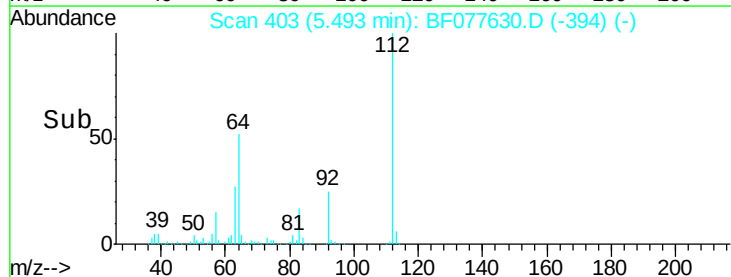
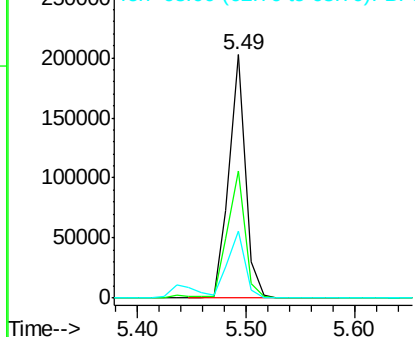
#5

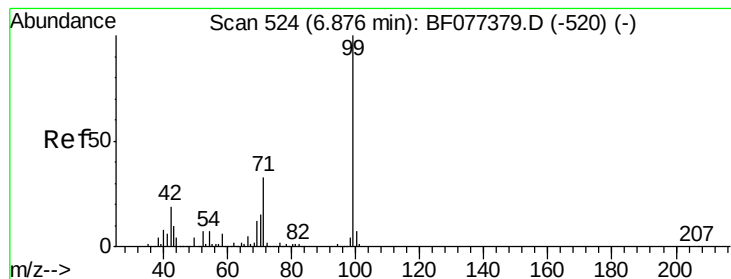
2-Fluorophenol
Concen: 54.13 ng
RT: 5.49 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

Tgt Ion:112 Resp: 213547
Ion Ratio Lower Upper
112 100
64 52.0 48.5 72.7
63 27.4 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: 31.69 ng

RT: 6.76 min Scan# 514

Delta R.T. -0.00 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515

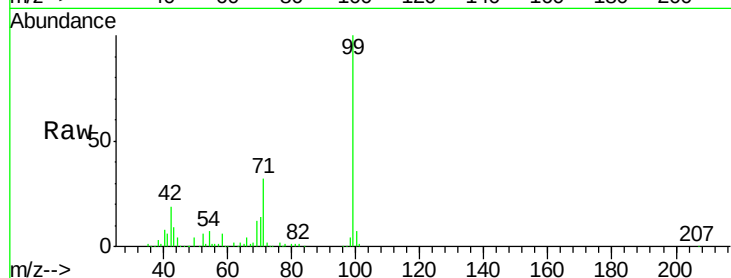
Tgt Ion: 99 Resp: 160746

Ion Ratio Lower Upper

99 100

42 19.0 16.2 24.4

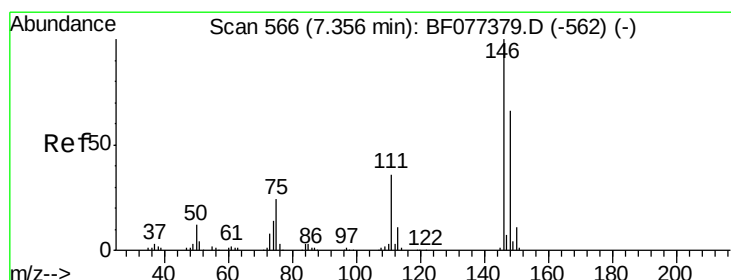
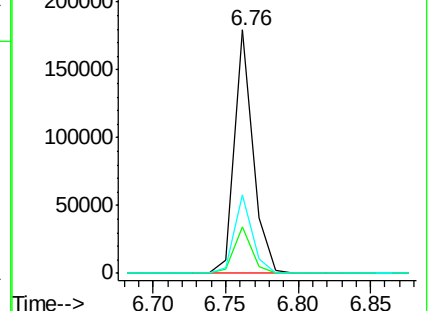
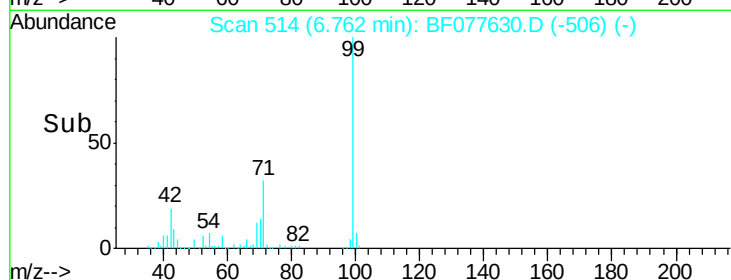
71 32.3 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF077379.D (-520) (-)

Ion 42.00 (41.70 to 42.70): BF077379.D (-520) (-)

Ion 71.00 (70.70 to 71.70): BF077379.D (-520) (-)



#13

1,4-Dichlorobenzene

Concen: 7.43 ng

RT: 7.22 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

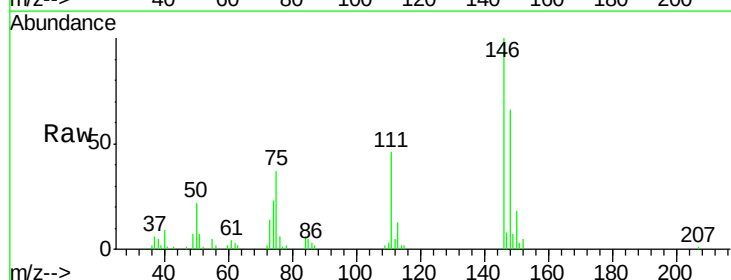
Tgt Ion: 146 Resp: 38282

Ion Ratio Lower Upper

146 100

148 65.7 52.0 78.0

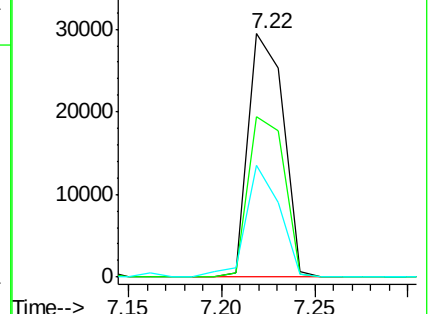
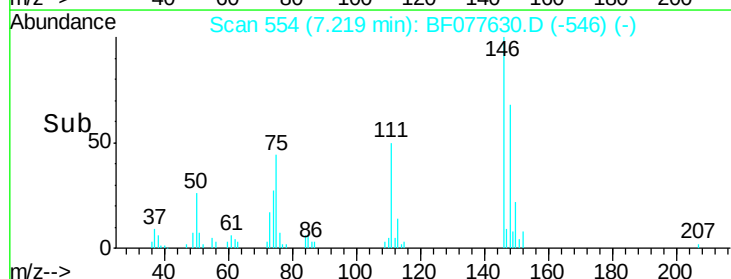
111 45.7 31.9 47.9

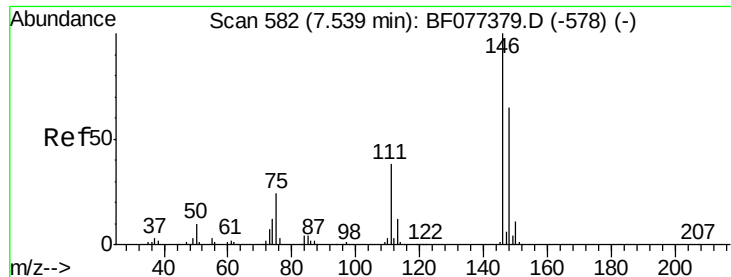


Abundance Ion 146.00 (145.70 to 146.70): BF077379.D (-562) (-)

Ion 148.00 (147.70 to 148.70): BF077379.D (-562) (-)

Ion 111.00 (110.70 to 111.70): BF077379.D (-562) (-)

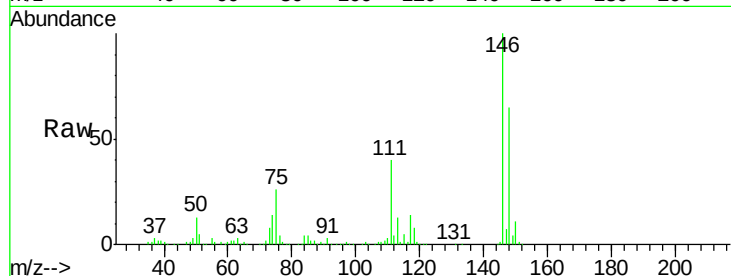




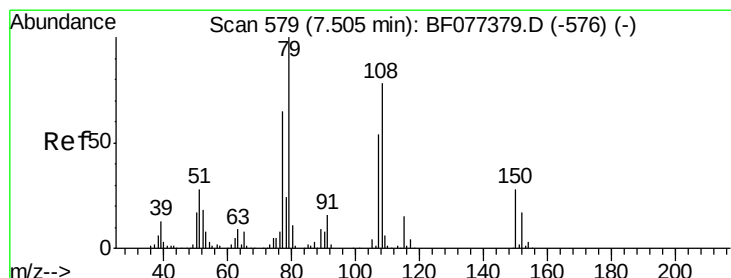
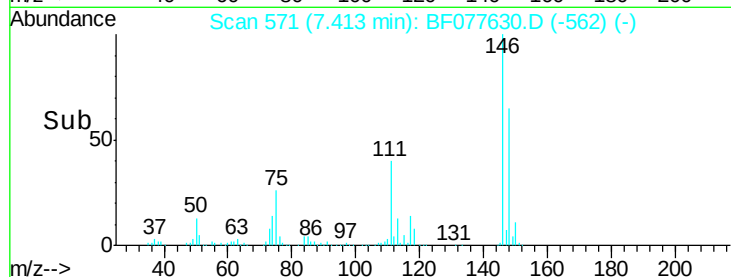
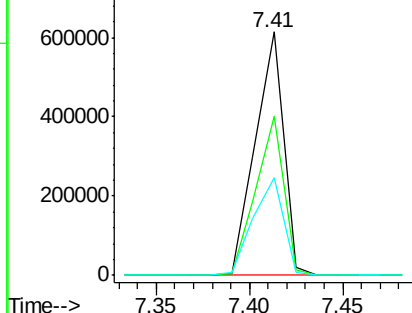
#14
1,2-Dichlorobenzene
Concen: 131.19 ng
RT: 7.41 min Scan# 571
Delta R.T. 0.00 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

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

Tgt Ion:146 Resp: 643327
Ion Ratio Lower Upper
146 100
148 65.3 51.6 77.4
111 40.1 34.2 51.2

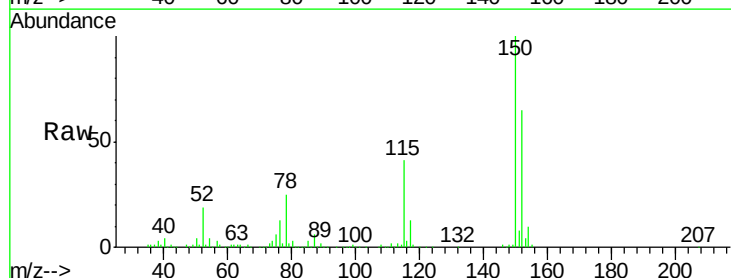


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

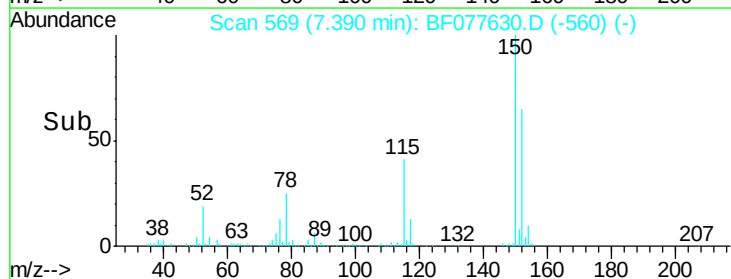
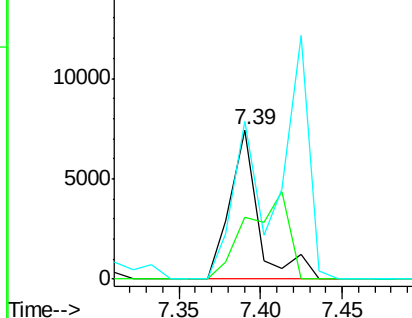


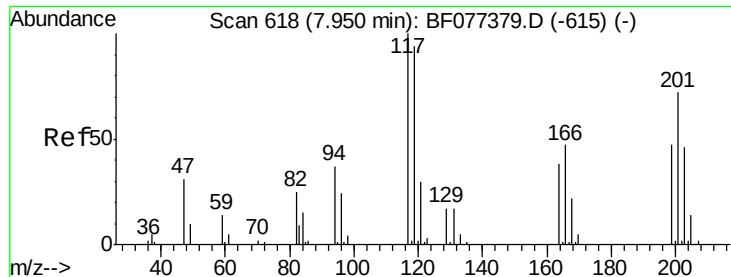
#15
Benzyl Alcohol
Concen: 2.32 ng
RT: 7.39 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

Tgt Ion: 79 Resp: 8937
Ion Ratio Lower Upper
79 100
108 41.5 58.3 87.5#
77 105.6 51.3 76.9#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 2.19 ng

RT: 7.78 min Scan# 603

Delta R.T. -0.04 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515

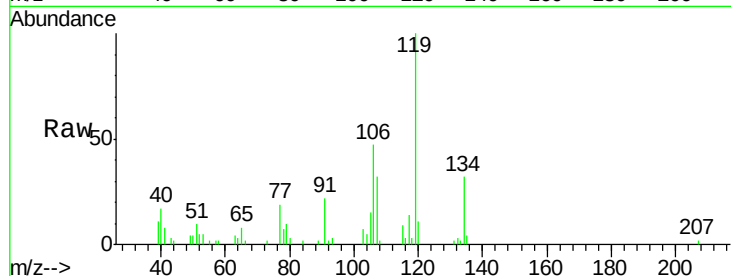
Tgt Ion:117 Resp: 3776

Ion Ratio Lower Upper

117 100

119 704.3 77.8 116.8#

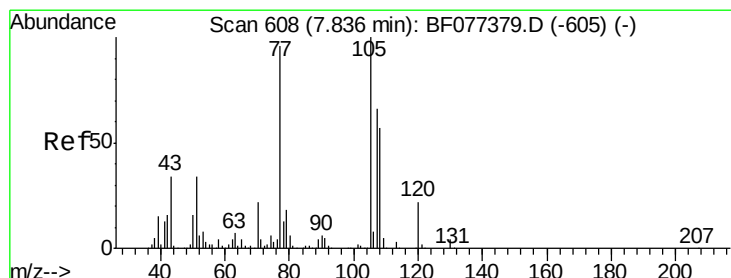
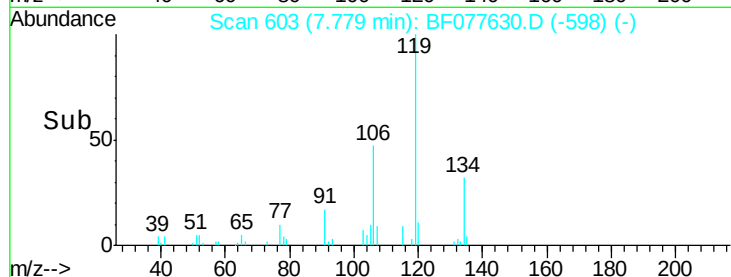
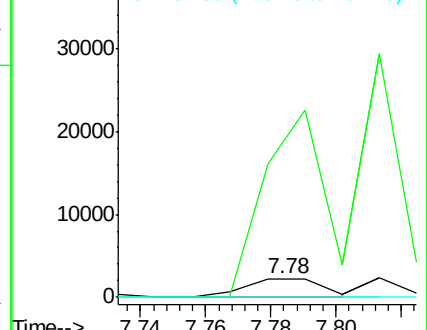
201 0.0 90.6 136.0#



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: 7.50 ng

RT: 7.75 min Scan# 601

Delta R.T. 0.03 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

Tgt Ion:107 Resp: 35916

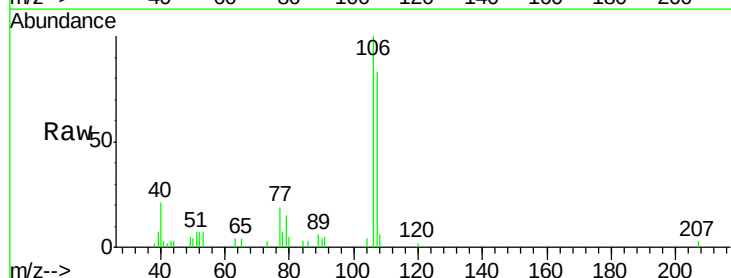
Ion Ratio Lower Upper

107 100

108 7.9 76.8 116.8#

77 22.6 65.8 105.8#

79 17.9 9.6 49.6

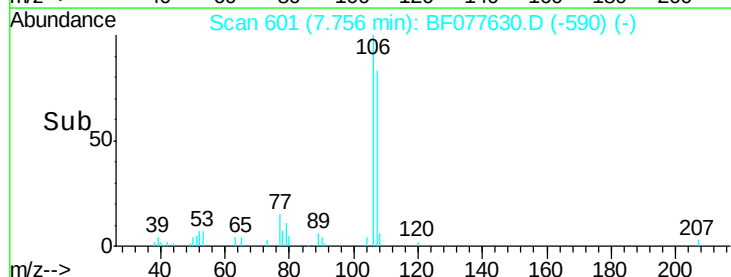
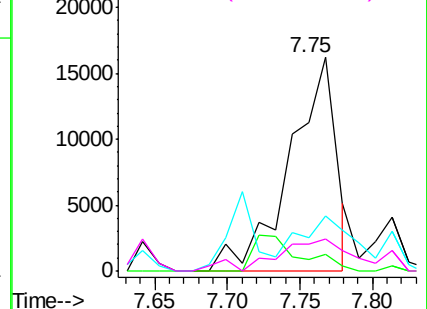


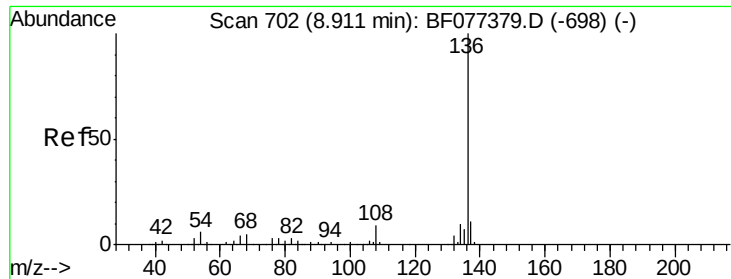
Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.78 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515

Tgt Ion:136 Resp: 262762

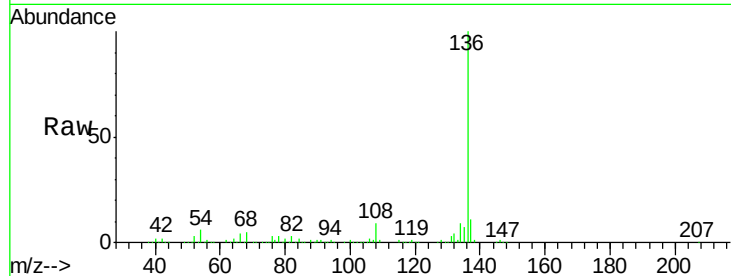
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 5.6 6.2 9.4#

68 4.6 5.0 7.6#

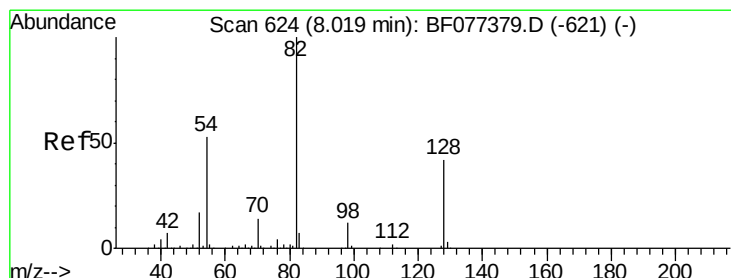
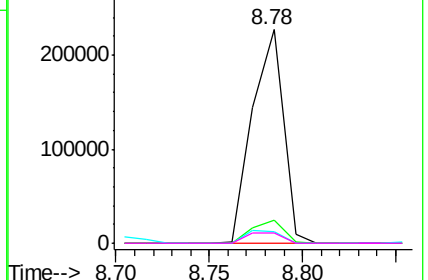
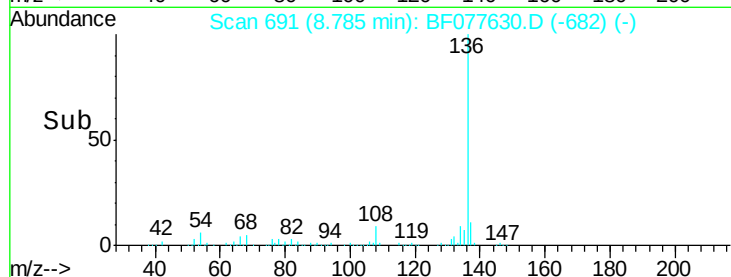


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.05 ng

RT: 7.89 min Scan# 613

Delta R.T. -0.00 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

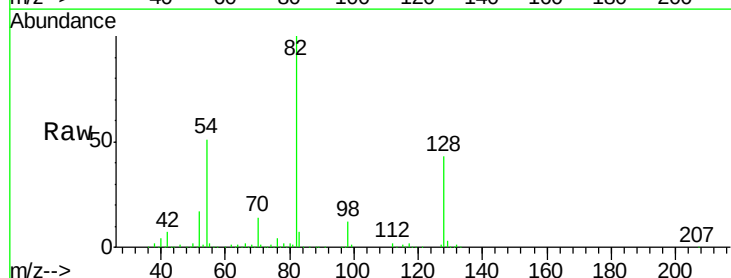
Tgt Ion: 82 Resp: 363599

Ion Ratio Lower Upper

82 100

128 43.1 43.8 65.8#

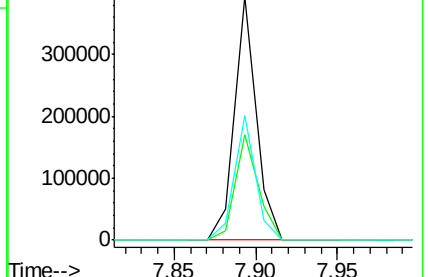
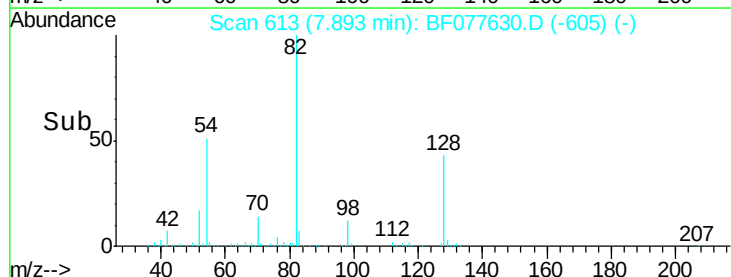
54 51.2 36.7 55.1

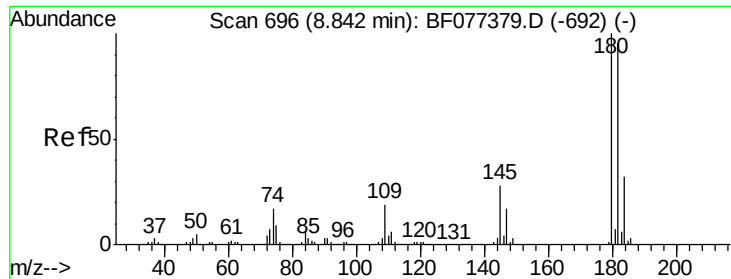


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

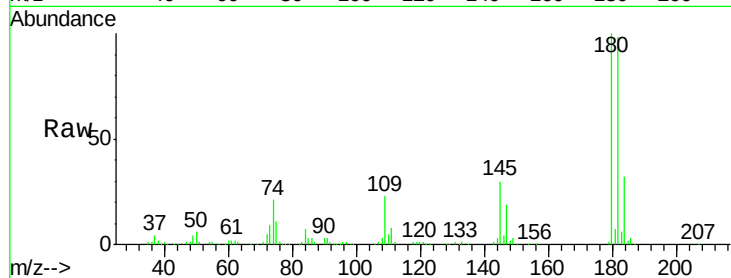




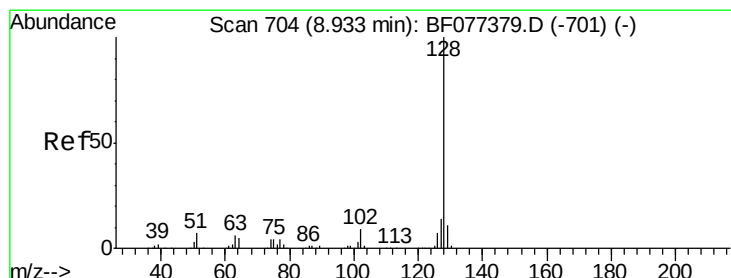
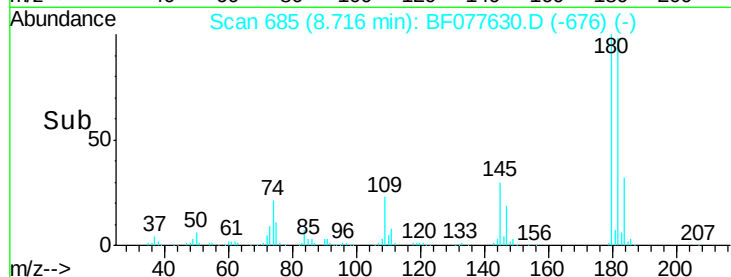
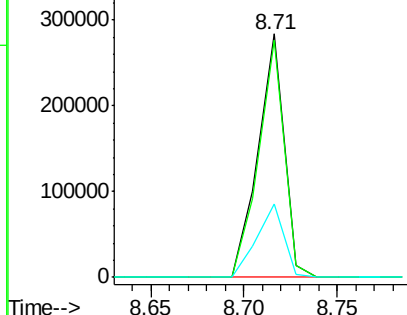
#30
 1,2,4-Trichlorobenzene
 Concen: 65.13 ng
 RT: 8.71 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: BF077630.D
 Acq: 6 Mar 2015 19:08

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

Tgt Ion:180 Resp: 274007
 Ion Ratio Lower Upper
 180 100
 182 97.5 76.2 114.4
 145 30.0 24.5 36.7

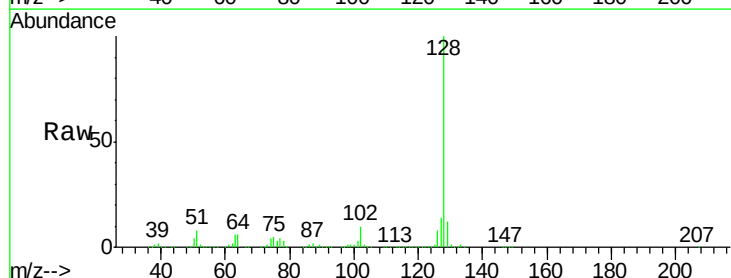


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

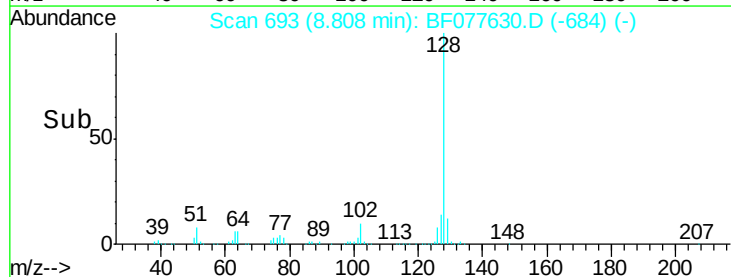
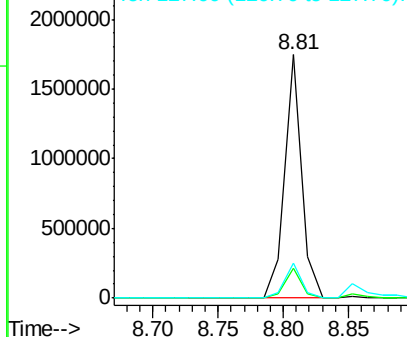


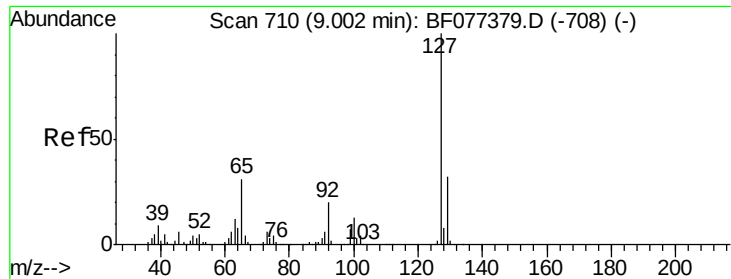
#31
 Naphthalene
 Concen: 121.78 ng
 RT: 8.81 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF077630.D
 Acq: 6 Mar 2015 19:08

Tgt Ion:128 Resp: 1600207
 Ion Ratio Lower Upper
 128 100
 129 12.2 9.4 14.0
 127 14.2 10.6 15.8



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

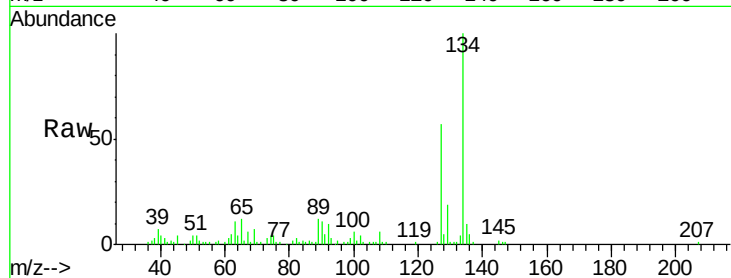




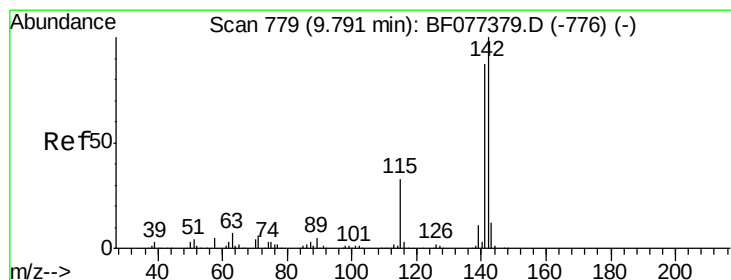
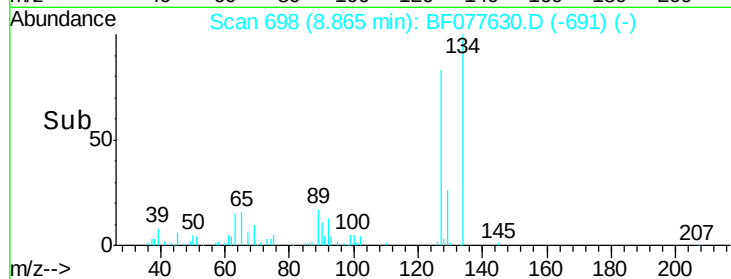
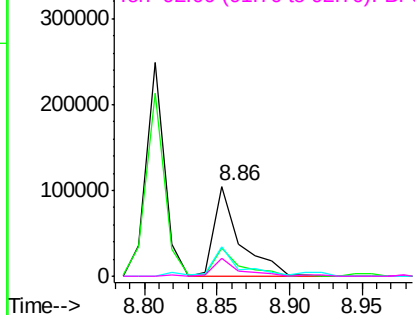
#33
4-Chloroaniline
Concen: 22.03 ng
RT: 8.86 min Scan# 698
Delta R.T. -0.02 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

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

Tgt Ion:	127	Resp:	128736
Ion	Ratio	Lower	Upper
127	100		
129	33.4	26.9	40.3
65	20.6	16.7	25.1
92	16.7	12.5	18.7

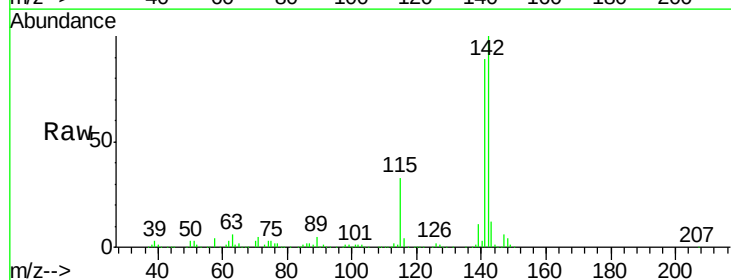


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

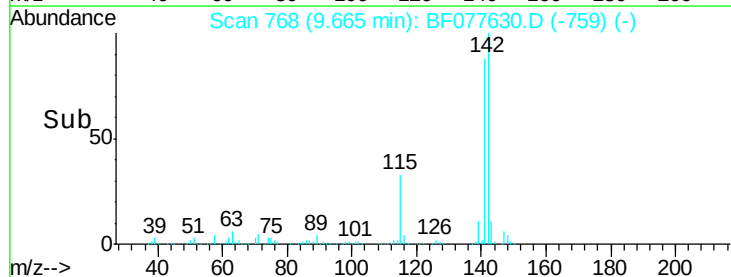
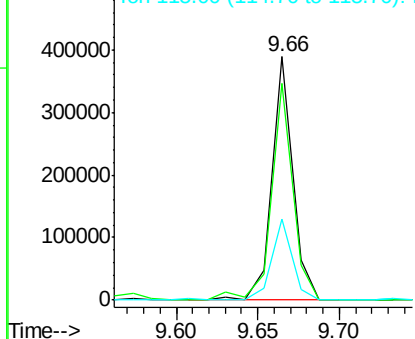


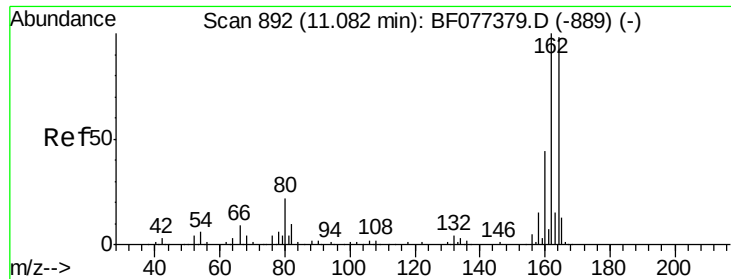
#37
2-Methylnaphthalene
Concen: 37.23 ng
RT: 9.66 min Scan# 768
Delta R.T. -0.00 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

Tgt Ion:	142	Resp:	347389
Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.7	106.1
115	33.4	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

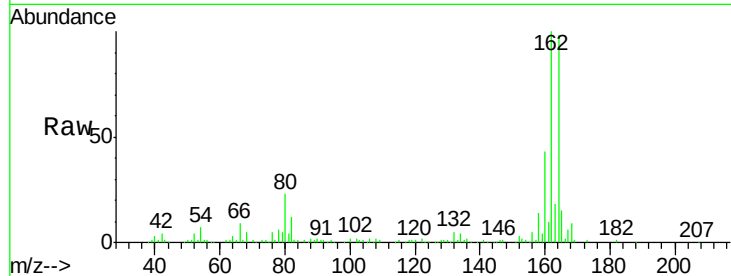




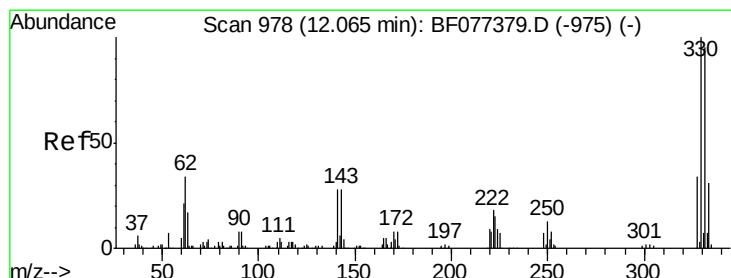
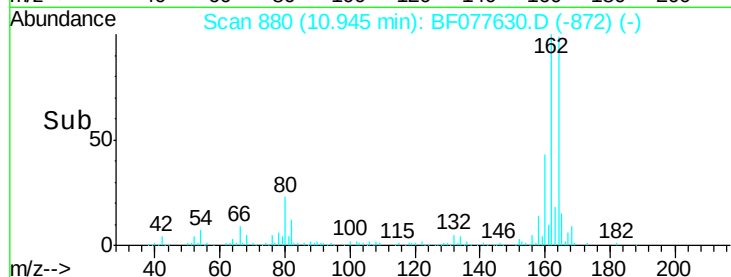
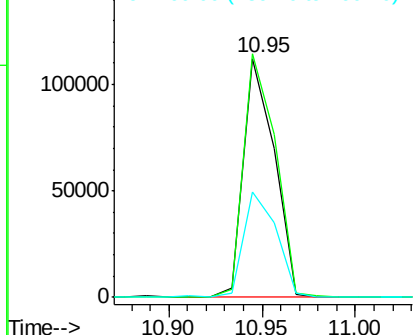
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.95 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

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

Tgt Ion:164 Resp: 128969
Ion Ratio Lower Upper
164 100
162 101.9 83.2 124.8
160 43.9 34.6 52.0

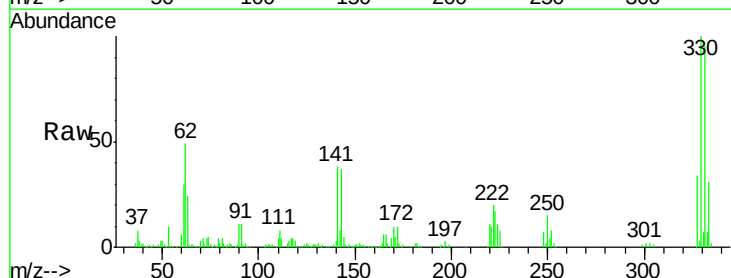


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

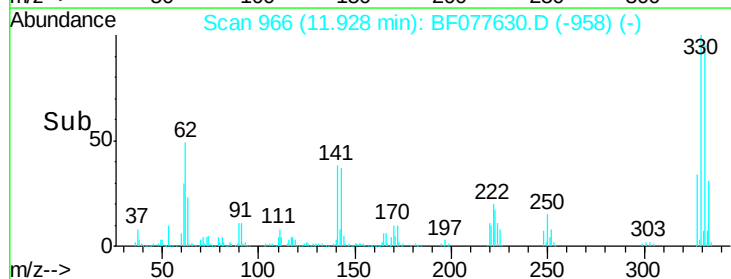
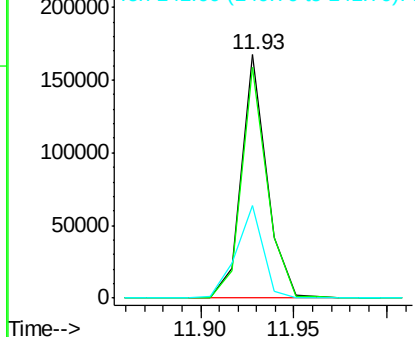


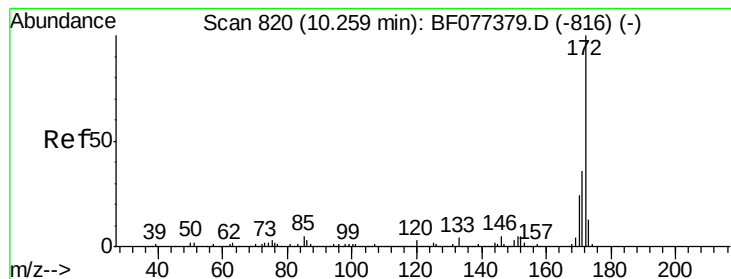
#41
2,4,6-Tribromophenol
Concen: 128.60 ng
RT: 11.93 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

Tgt Ion:330 Resp: 159701
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.2
141 40.6 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: 94.62 ng

RT: 10.13 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515

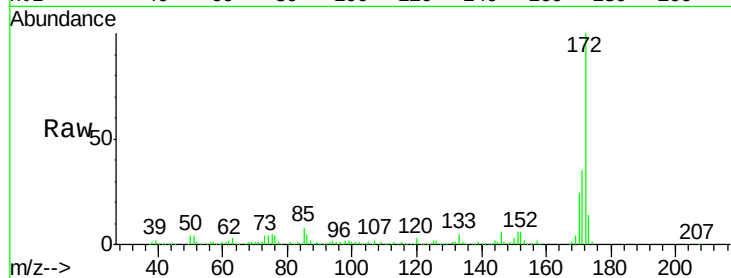
Tgt Ion:172 Resp: 782644

Ion Ratio Lower Upper

172 100

171 35.5 28.9 43.3

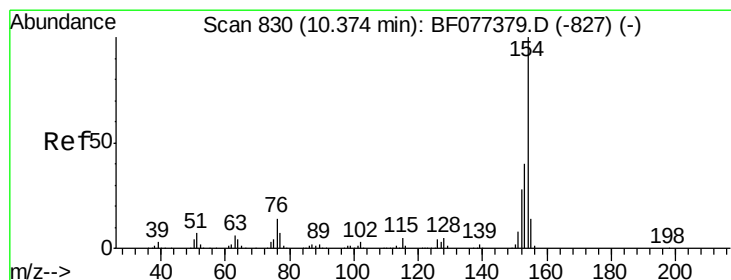
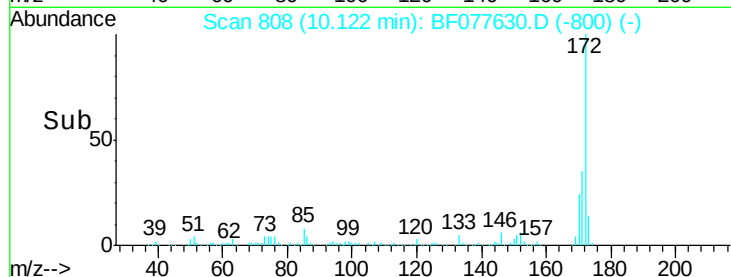
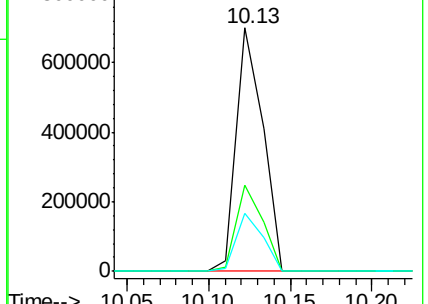
170 23.8 19.4 29.2



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: 2.75 ng

RT: 10.25 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

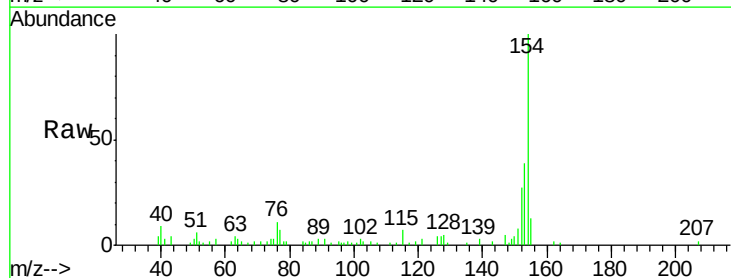
Tgt Ion:154 Resp: 26826

Ion Ratio Lower Upper

154 100

153 38.6 20.2 60.2

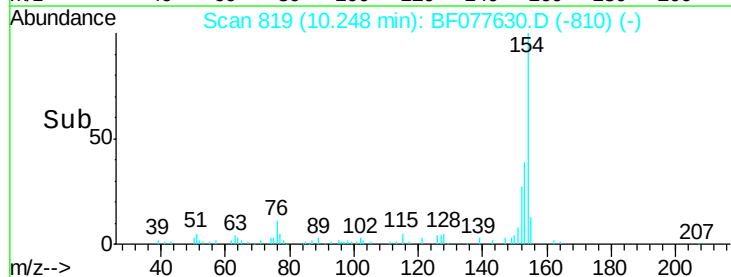
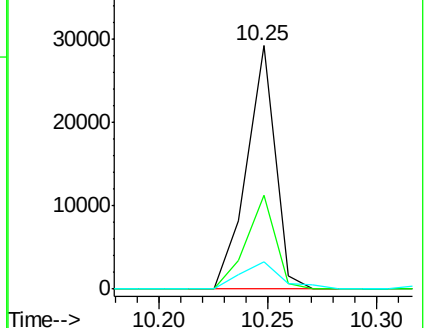
76 11.4 0.0 29.4

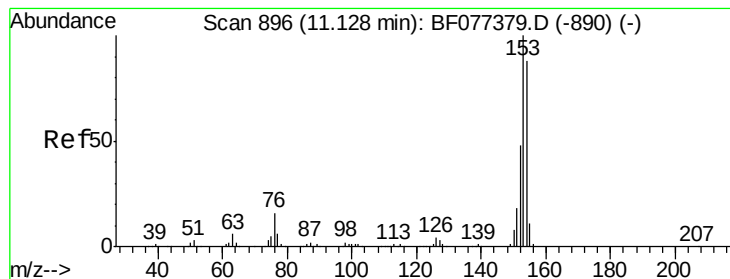


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#51

Acenaphthene

Concen: 10.30 ng

RT: 10.99 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515

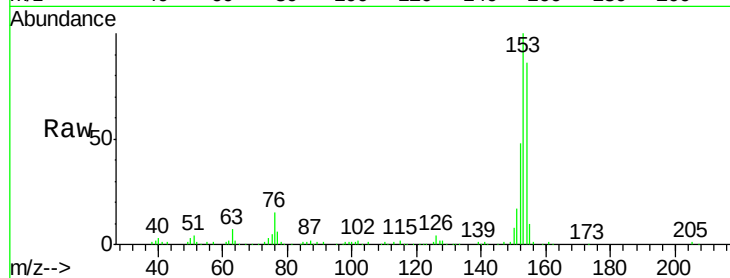
Tgt Ion:154 Resp: 74561

Ion Ratio Lower Upper

154 100

153 116.1 90.5 135.7

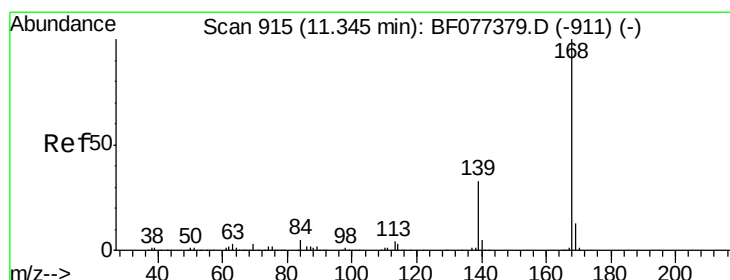
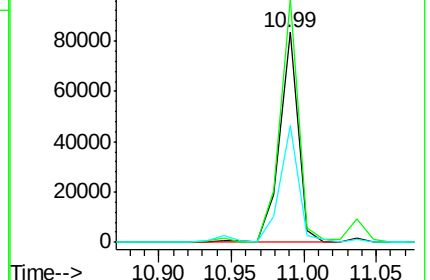
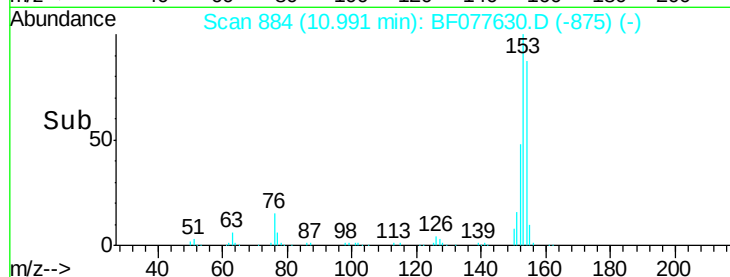
152 55.5 43.5 65.3



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

Dibenzofuran

Concen: 3.44 ng

RT: 11.20 min Scan# 903

Delta R.T. -0.00 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

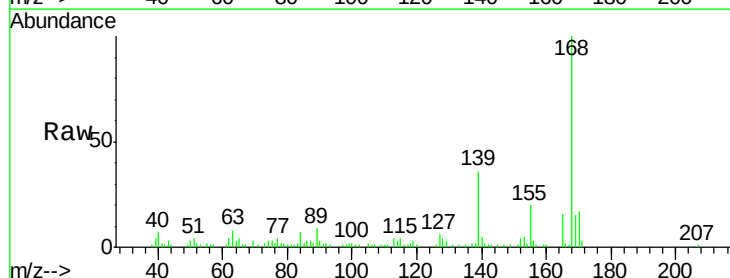
Tgt Ion:168 Resp: 38445

Ion Ratio Lower Upper

168 100

139 35.5 29.3 43.9

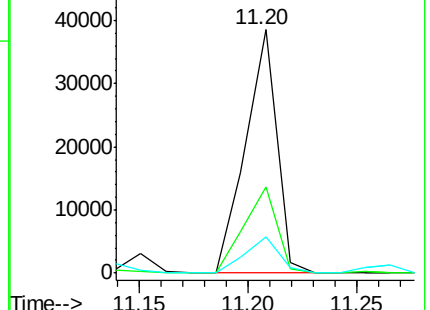
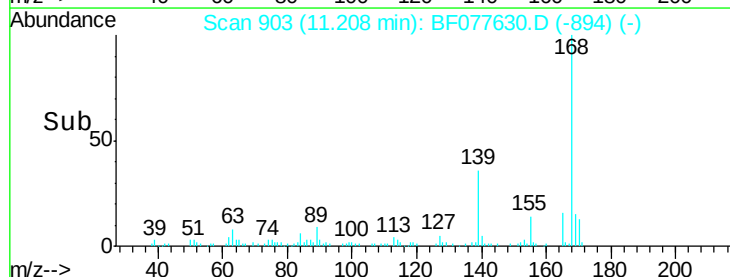
169 14.9 10.9 16.3

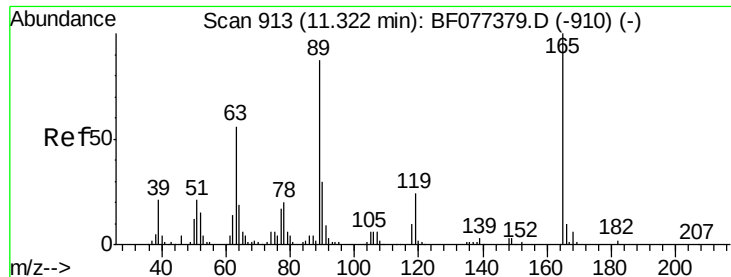


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

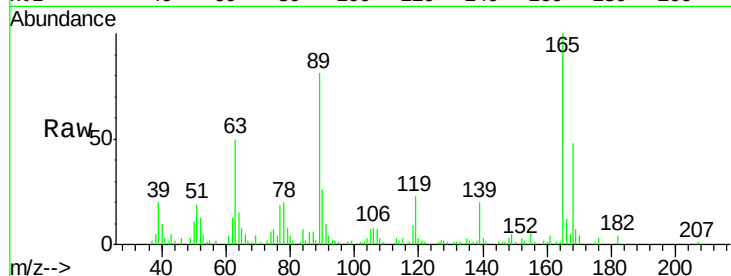




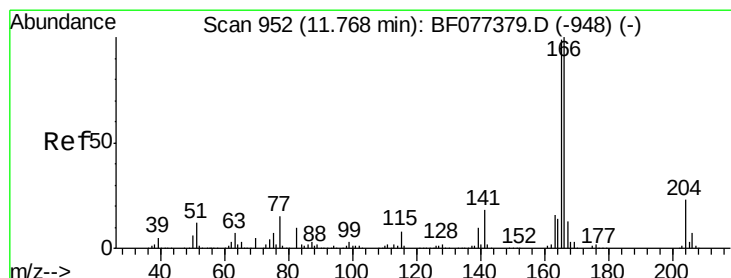
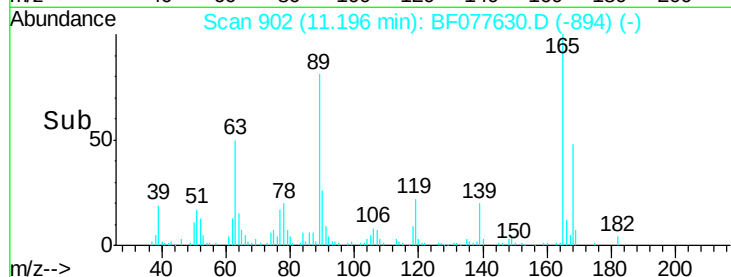
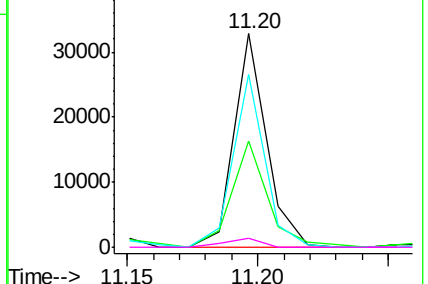
#56
2,4-Dinitrotoluene
Concen: 11.72 ng
RT: 11.20 min Scan# 902
Delta R.T. -0.00 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

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

Tgt Ion:165 Resp: 28781
Ion Ratio Lower Upper
165 100
63 49.5 29.8 44.8#
89 80.7 48.5 72.7#
182 4.0 1.9 2.9#

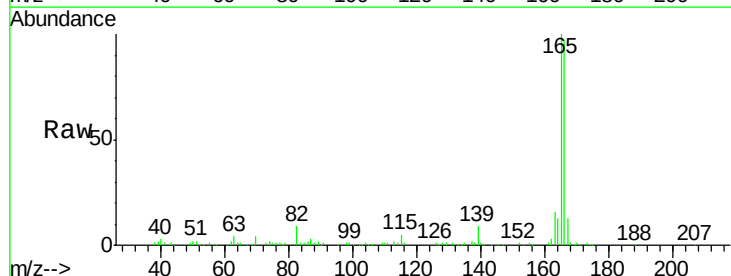


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

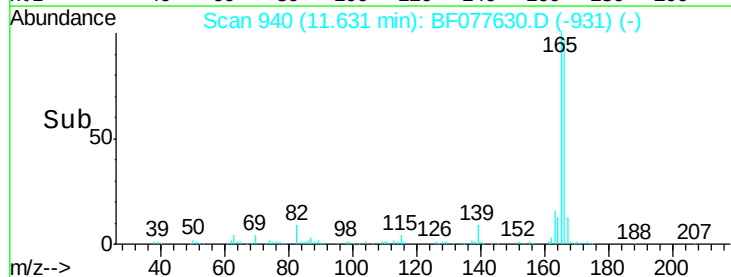
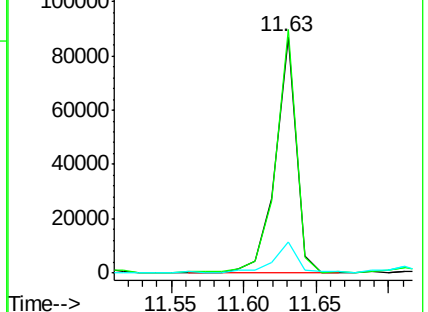


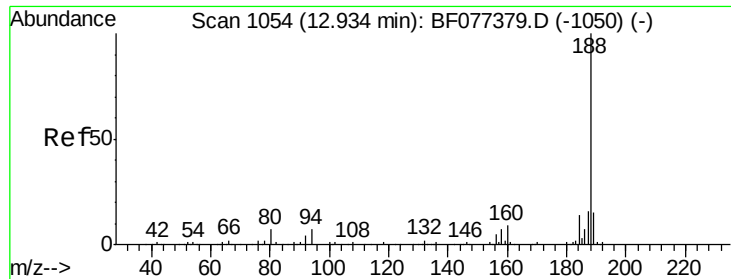
#57
Fluorene
Concen: 9.72 ng
RT: 11.63 min Scan# 940
Delta R.T. -0.00 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

Tgt Ion:166 Resp: 86898
Ion Ratio Lower Upper
166 100
165 103.0 77.6 116.4
167 13.4 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

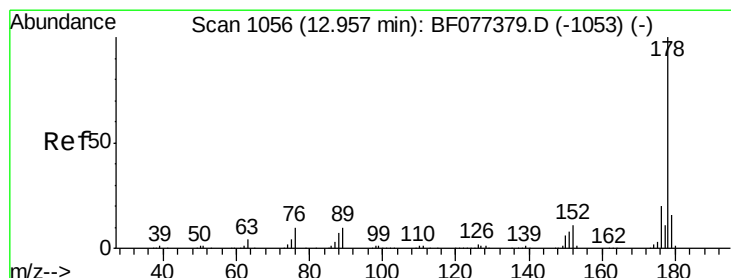
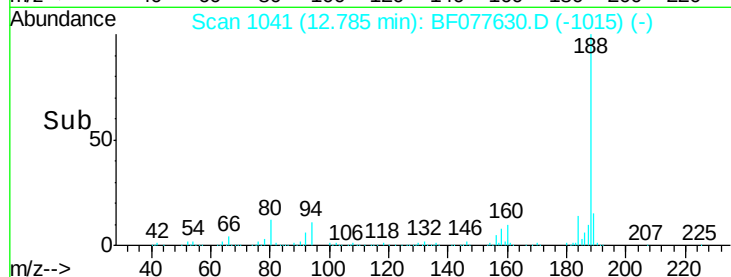
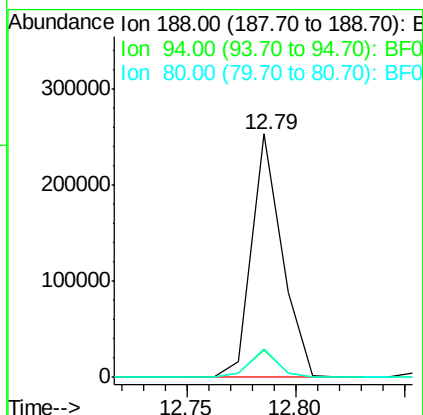
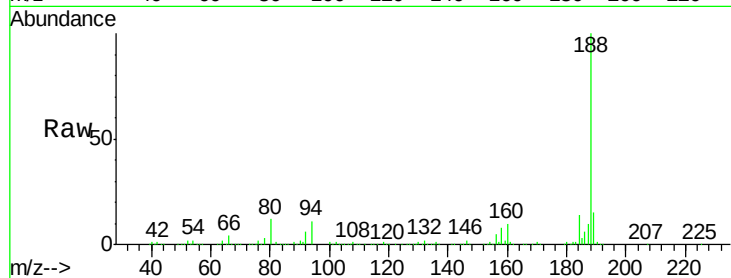




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.79 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

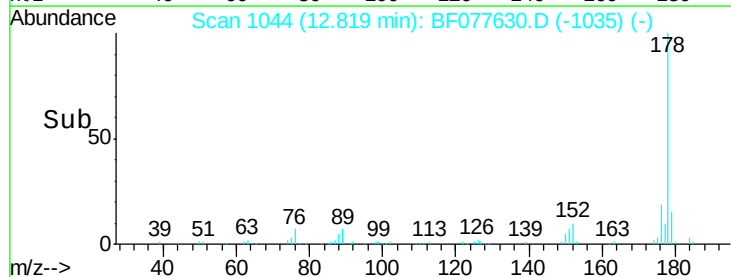
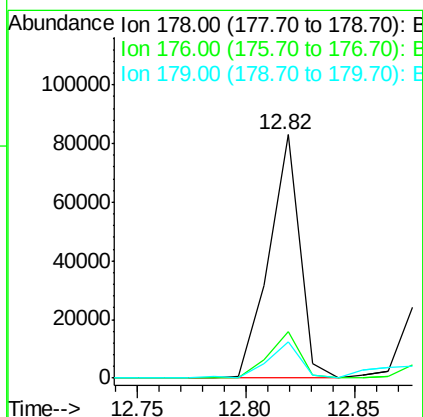
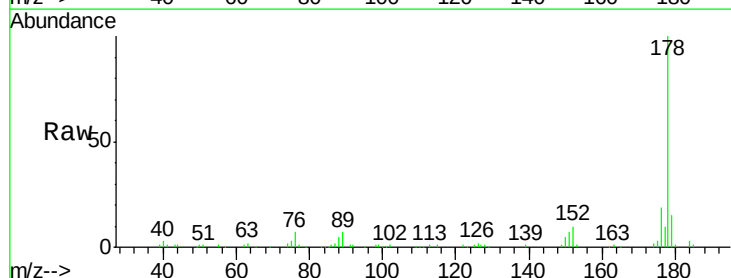
Instrument :
BNA_F
ClientSampleId :
DCW-WW-073-3515

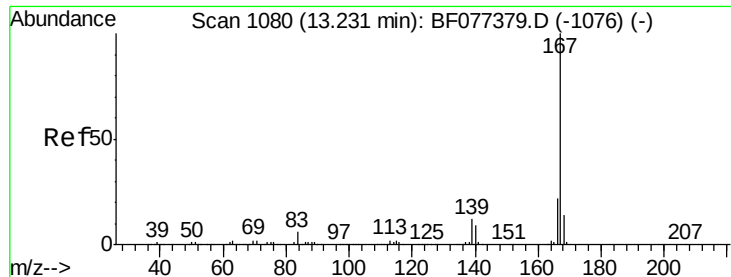
Tgt Ion:188 Resp: 246960
Ion Ratio Lower Upper
188 100
94 11.1 7.4 11.2
80 12.0 8.0 12.0



#70
Phenanthrene
Concen: 5.78 ng
RT: 12.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF077630.D
Acq: 6 Mar 2015 19:08

Tgt Ion:178 Resp: 82768
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 14.9 12.2 18.2





#72

Carbazole

Concen: 3.94 ng

RT: 13.09 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

Instrument :

BNA_F

ClientSampleId :

DCW-WW-073-3515

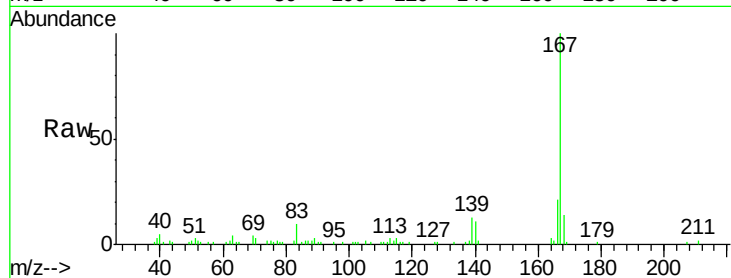
Tgt Ion:167 Resp: 53240

Ion Ratio Lower Upper

167 100

166 21.0 17.6 26.4

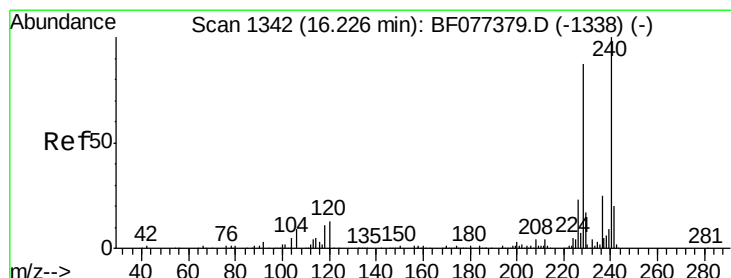
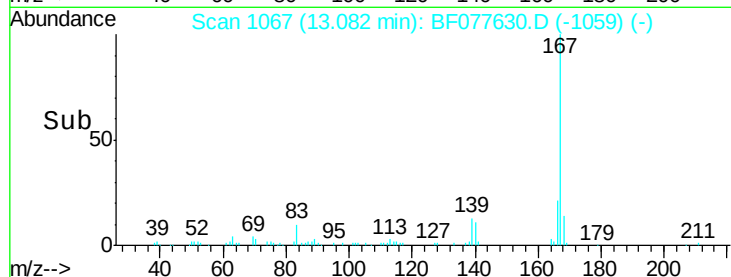
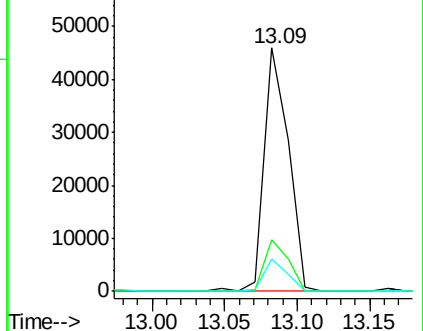
139 13.4 9.9 14.9



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: 16.07 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF077630.D

Acq: 6 Mar 2015 19:08

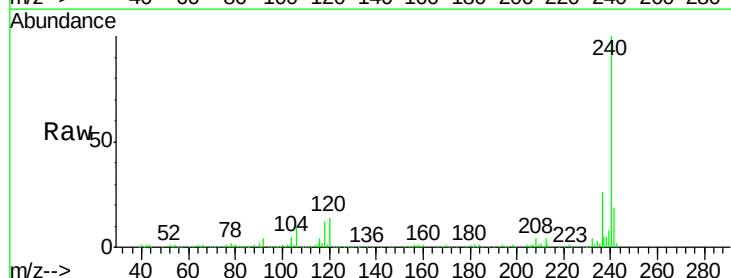
Tgt Ion:240 Resp: 268906

Ion Ratio Lower Upper

240 100

120 13.8 8.8 13.2#

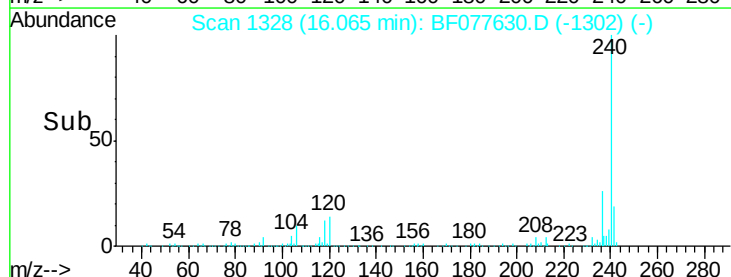
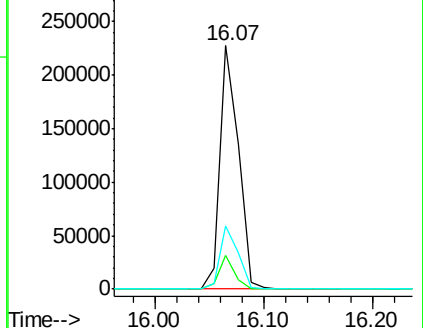
236 25.7 20.7 31.1

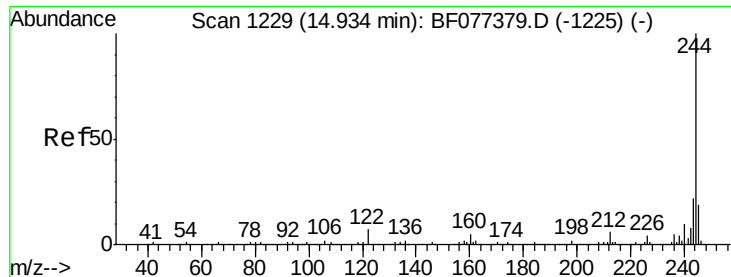


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

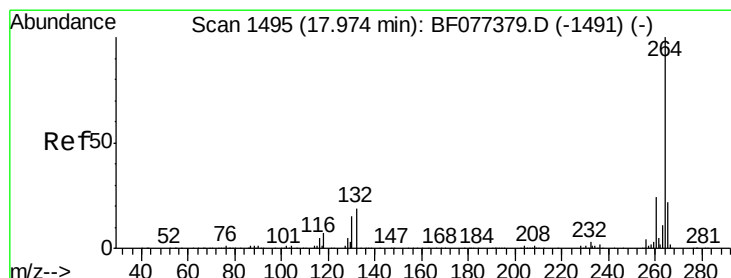
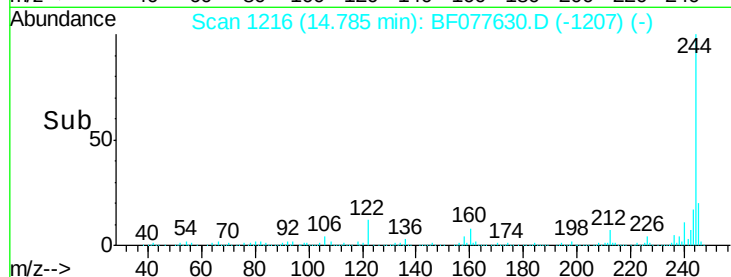
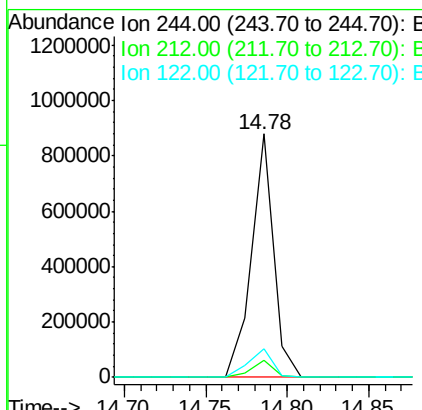
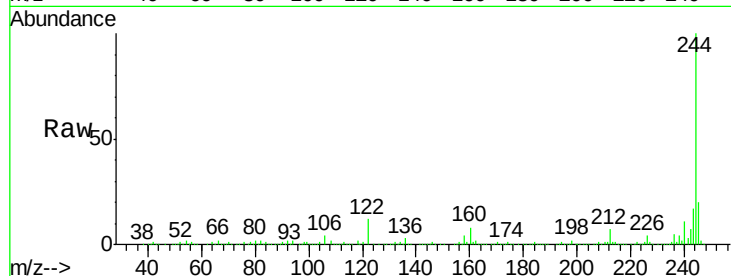




#78
 Terphenyl-d14
 Concen: 72.40 ng
 RT: 14.78 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF077630.D
 Acq: 6 Mar 2015 19:08

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

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.2	7.8
122	11.7	7.8	11.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.79 min Scan# 1479
 Delta R.T. 0.03 min
 Lab File: BF077630.D
 Acq: 6 Mar 2015 19:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.4	16.8	25.2

