

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030915\
 Data File : BF077640.D
 Acq On : 9 Mar 2015 16:11
 Operator : TP/IZ
 Sample : G1442-04DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515DL

Quant Time: Mar 10 01:15:54 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

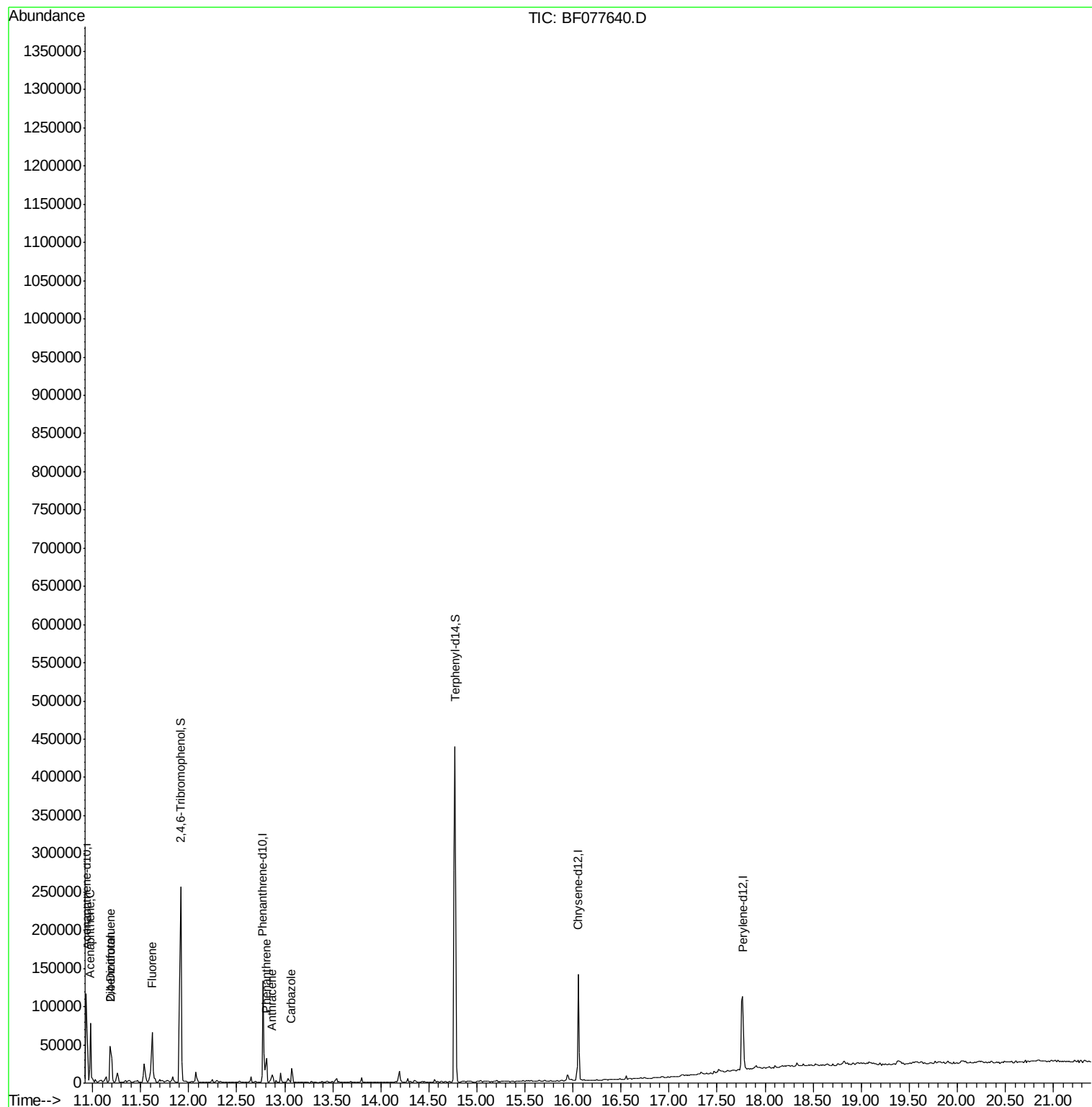
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.19	152	14184	20.00	ng	0.00
21) Naphthalene-d8	8.77	136	56773	20.00	ng	0.00
38) Acenaphthene-d10	10.94	164	27036	20.00	ng	0.00
63) Phenanthrene-d10	12.78	188	51272	20.00	ng	0.00
75) Chrysene-d12	16.06	240	54688	20.00	ng	0.00
86) Perylene-d12	17.77	264	56518	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	41323	48.64	ng	0.00
7) Phenol-d6	6.75	99	30567	27.98	ng	0.00
23) Nitrobenzene-d5	7.88	82	79485	87.06	ng	0.00
41) 2,4,6-Tribromophenol	11.92	330	31193	119.82	ng	0.00
44) 2-Fluorobiphenyl	10.11	172	168819	97.36	ng	0.00
78) Terphenyl-d14	14.77	244	187444	80.13	ng	0.00
Target Compounds						Qvalue
13) 1,4-Dichlorobenzene	7.21	146	9148	8.24	ng	95
14) 1,2-Dichlorobenzene	7.40	146	165309	156.52	ng	95
30) 1,2,4-Trichlorobenzene	8.70	180	69906	76.90	ng	97
31) Naphthalene	8.80	128	428904	151.07	ng	99
33) 4-Chloroaniline	8.85	127	61023	48.34	ng	98
37) 2-Methylnaphthalene	9.65	142	83059	41.20	ng	98
45) 1,1'-Biphenyl	10.24	154	6225	3.04	ng	97
51) Acenaphthene	10.98	154	17258	11.37	ng	98
54) Dibenzofuran	11.19	168	8958	3.82	ng	96
56) 2,4-Dinitrotoluene	11.19	165	5972	11.60	ng	# 68
57) Fluorene	11.62	166	18678	9.97	ng	97
70) Phenanthrene	12.81	178	15852	5.33	ng	96
71) Anthracene	12.87	178	6146	2.08	ng	97
72) Carbazole	13.08	167	10611	3.78	ng	99

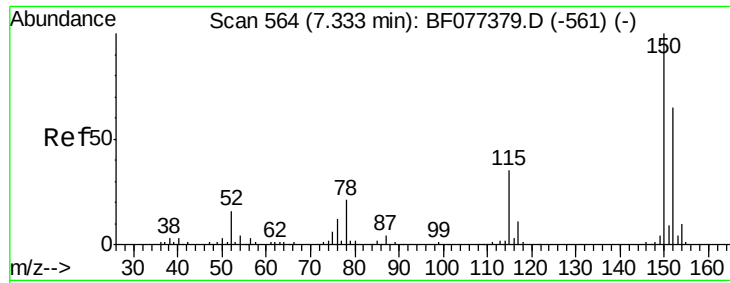
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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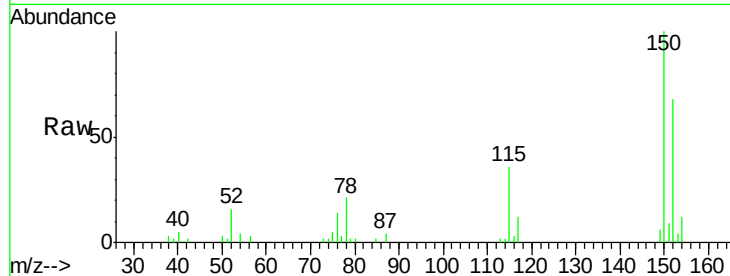


#1

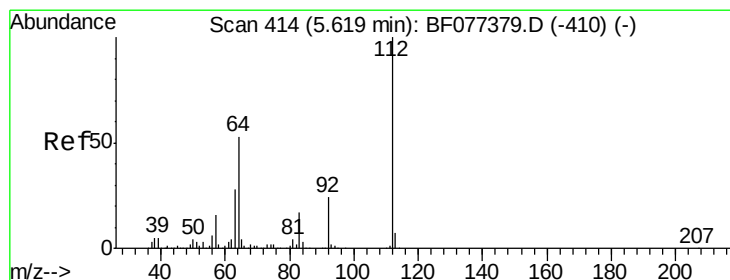
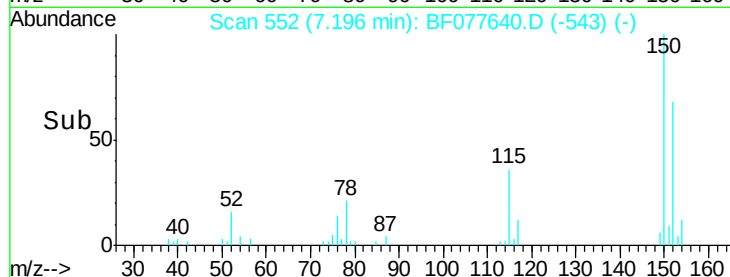
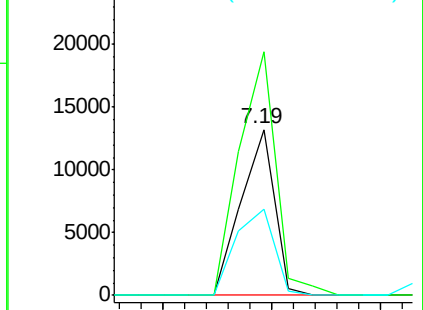
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.19 min Scan# 552
 Delta R.T. -0.00 min
 Lab File: BF077640.D
 Acq: 9 Mar 2015 16:11

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515DL

Tot Ion:152 Resp: 14184
 Ion Ratio Lower Upper
 152 100
 150 146.8 124.0 186.0
 115 52.3 49.4 74.2



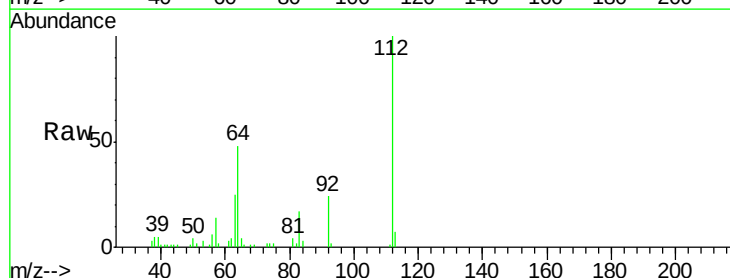
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



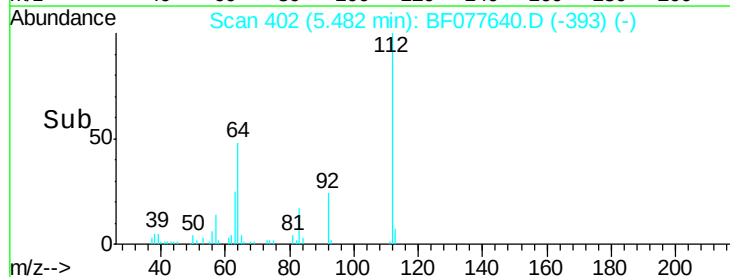
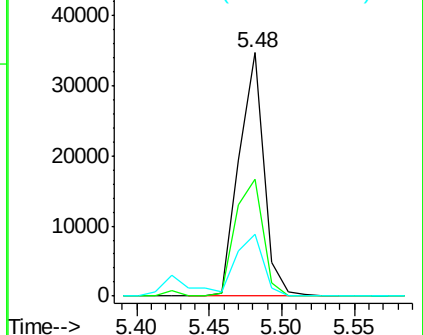
#5

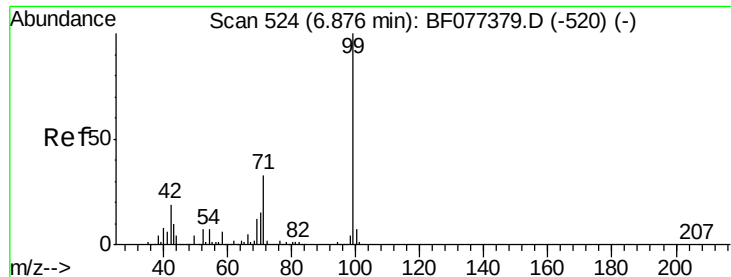
2-Fluorophenol
 Concen: 48.64 ng
 RT: 5.48 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: BF077640.D
 Acq: 9 Mar 2015 16:11

Tgt Ion:112 Resp: 41323
 Ion Ratio Lower Upper
 112 100
 64 48.0 48.5 72.7#
 63 25.4 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: 27.98 ng

RT: 6.75 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF077640.D

Acq: 9 Mar 2015 16:11

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

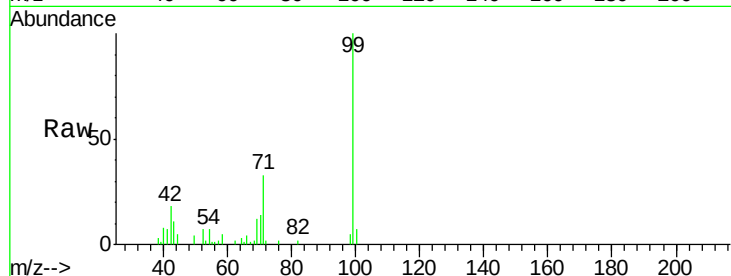
Tot Ion: 99 Resp: 30567

Ion Ratio Lower Upper

99 100

42 17.6 16.2 24.4

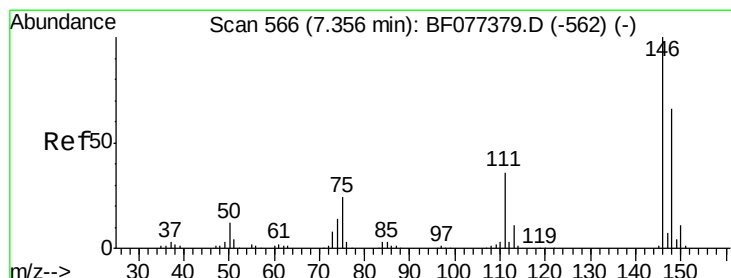
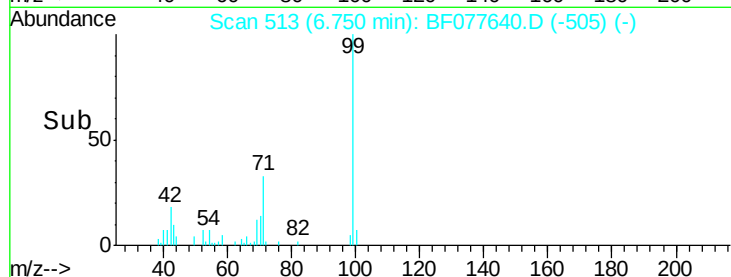
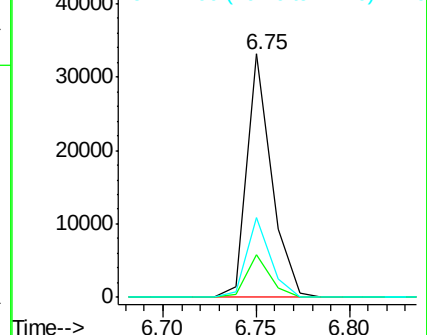
71 32.9 26.7 40.1



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: 8.24 ng

RT: 7.21 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF077640.D

Acq: 9 Mar 2015 16:11

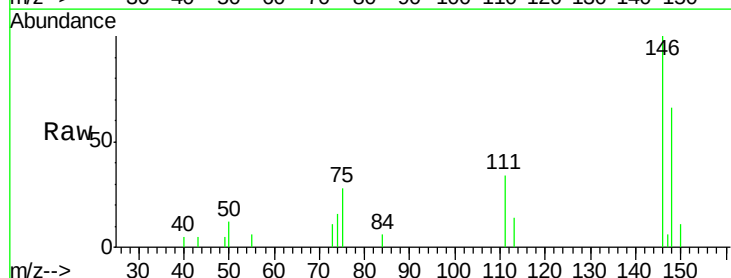
Tgt Ion: 146 Resp: 9148

Ion Ratio Lower Upper

146 100

148 66.4 52.0 78.0

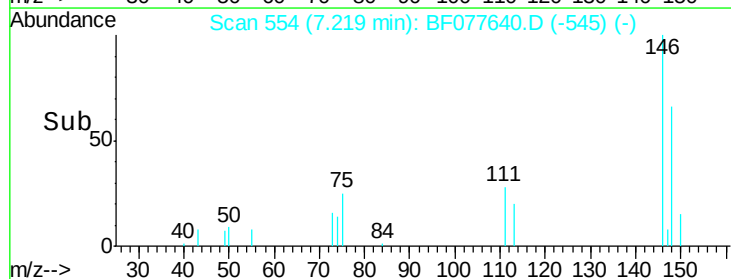
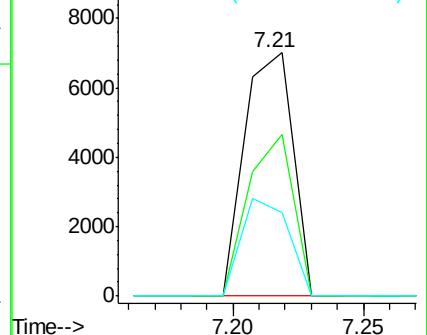
111 34.2 31.9 47.9

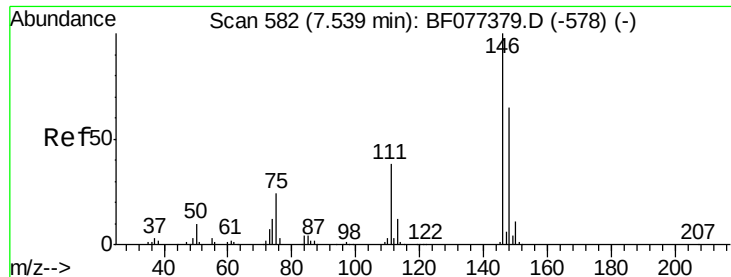


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 156.52 ng

RT: 7.40 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF077640.D

Acq: 9 Mar 2015 16:11

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

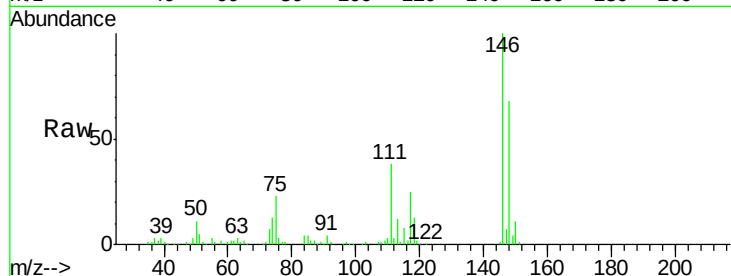
Tot Ion:146 Resp: 165309

Ion Ratio Lower Upper

146 100

148 67.6 51.6 77.4

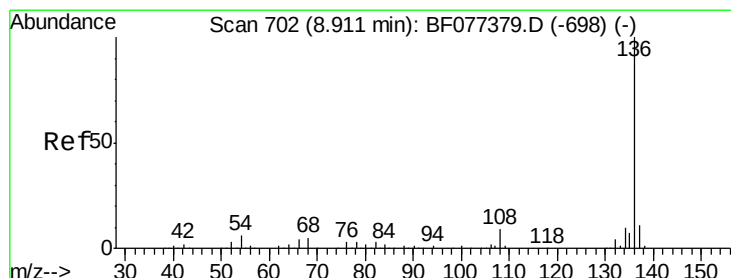
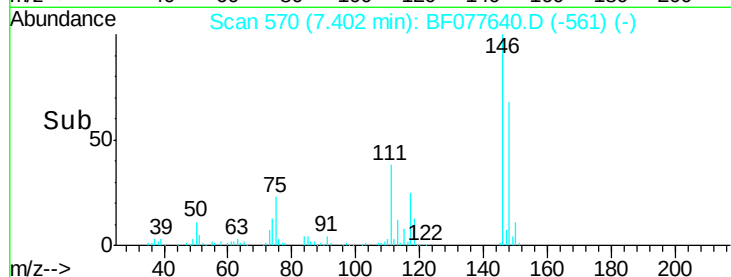
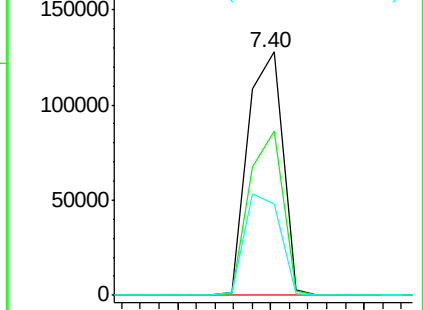
111 37.7 34.2 51.2



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: BF077640.D

Acq: 9 Mar 2015 16:11

Tgt Ion:136 Resp: 56773

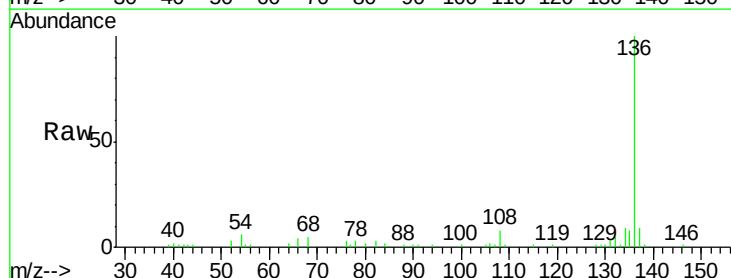
Ion Ratio Lower Upper

136 100

137 9.2 8.6 13.0

54 6.0 6.2 9.4#

68 4.7 5.0 7.6#

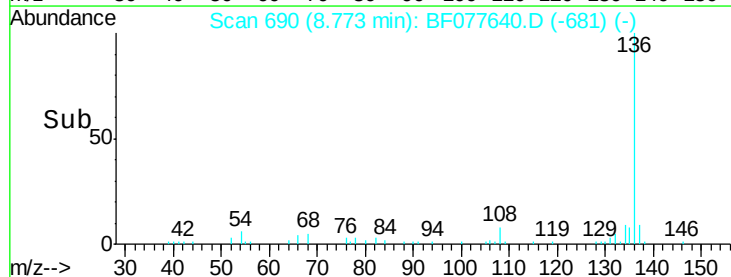
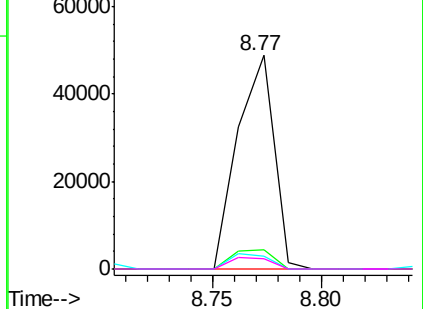


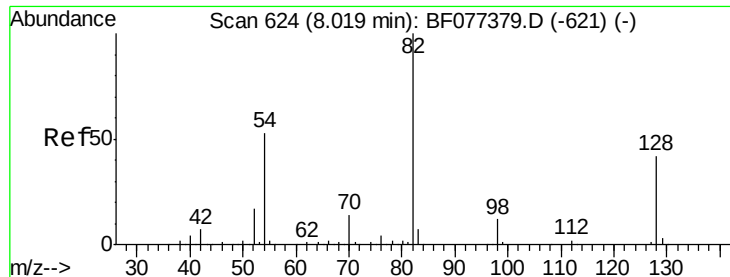
Abundance Ion 136.00 (135.70 to 136.70): E

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

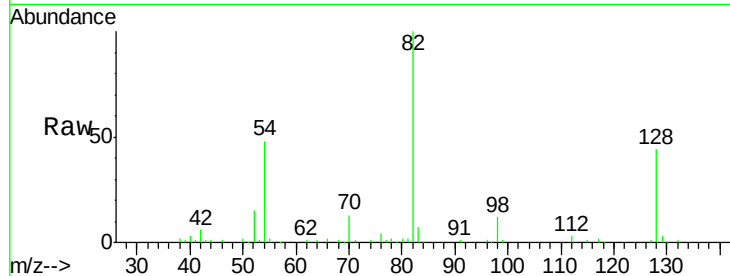




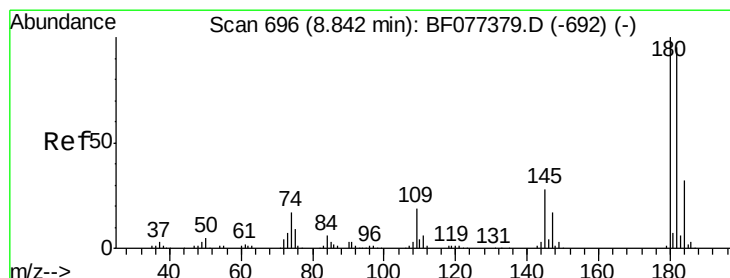
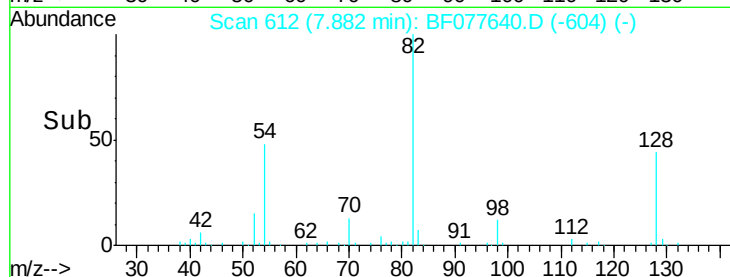
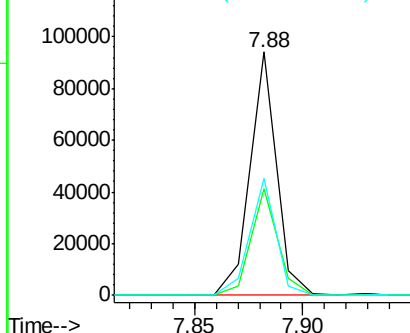
#23
Nitrobenzene-d5
Concen: 87.06 ng
RT: 7.88 min Scan# 612
Delta R.T. -0.01 min
Lab File: BF077640.D
Acq: 9 Mar 2015 16:11

Instrument :
BNA_F
ClientSampleId :
DCW-WW-076-3515DL

Tot Ion: 82 Resp: 79485
Ion Ratio Lower Upper
82 100
128 44.0 43.8 65.8
54 48.0 36.7 55.1

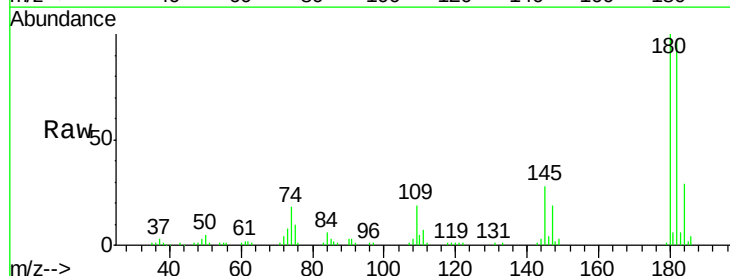


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

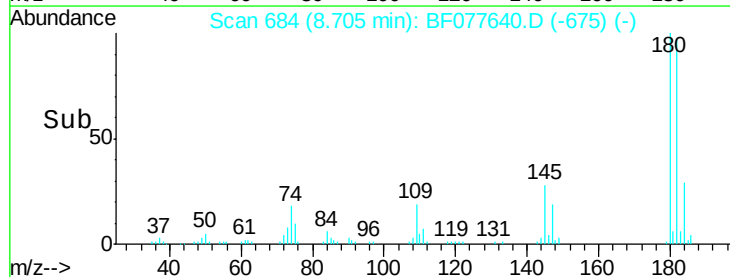
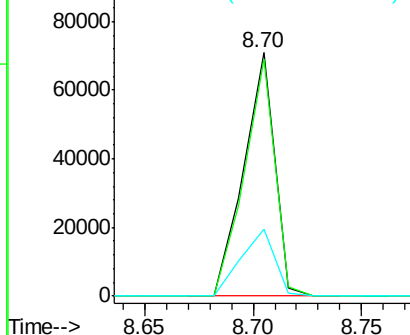


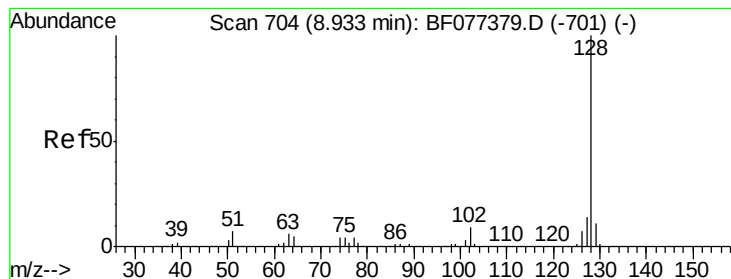
#30
1,2,4-Trichlorobenzene
Concen: 76.90 ng
RT: 8.70 min Scan# 684
Delta R.T. -0.00 min
Lab File: BF077640.D
Acq: 9 Mar 2015 16:11

Tgt Ion: 180 Resp: 69906
Ion Ratio Lower Upper
180 100
182 97.5 76.2 114.4
145 27.6 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: 151.07 ng

RT: 8.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF077640.D

Acq: 9 Mar 2015 16:11

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

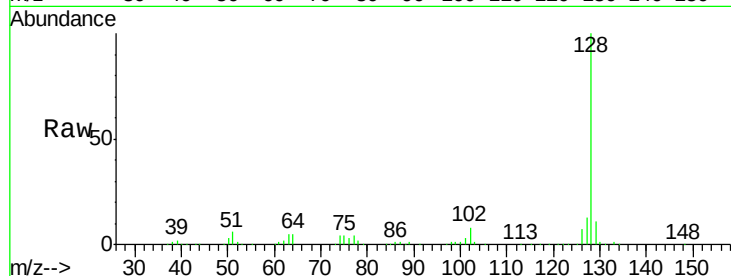
Tot Ion:128 Resp: 428904

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.0

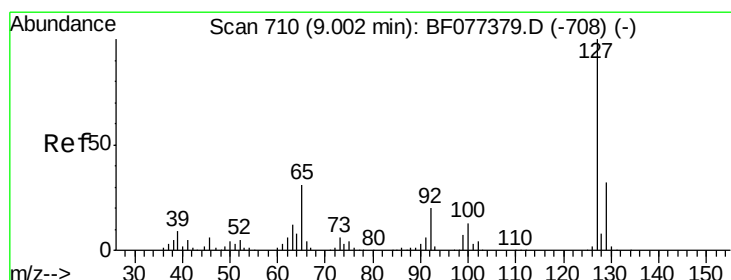
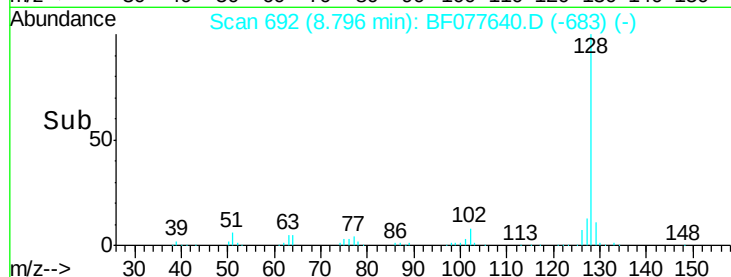
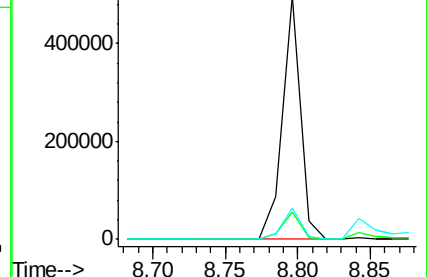
127 13.0 10.6 15.8



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: 48.34 ng

RT: 8.85 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF077640.D

Acq: 9 Mar 2015 16:11

Tgt Ion:127 Resp: 61023

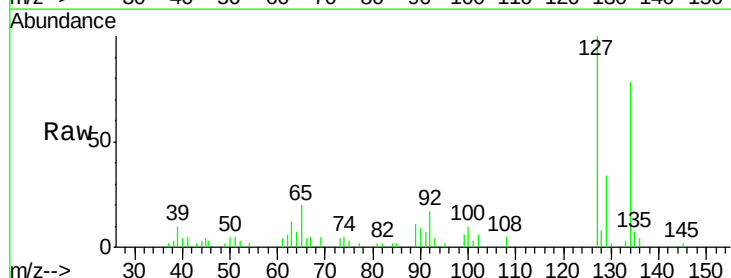
Ion Ratio Lower Upper

127 100

129 34.1 26.9 40.3

65 19.8 16.7 25.1

92 17.3 12.5 18.7

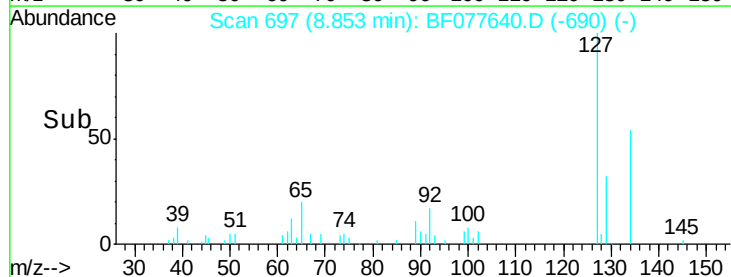
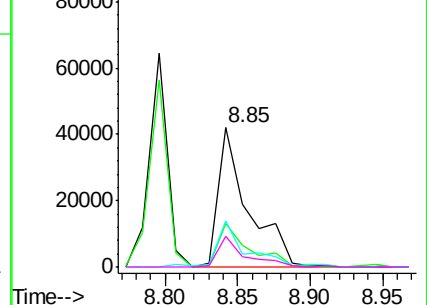


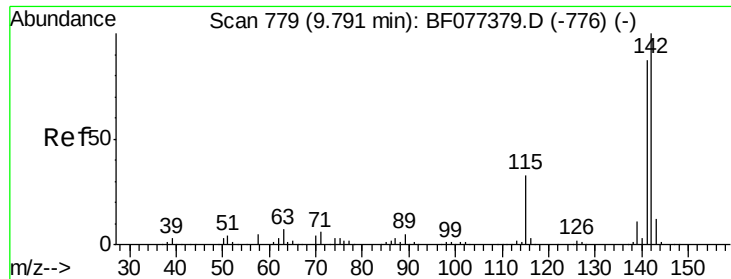
Abundance Ion 127.00 (126.70 to 127.70): E

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

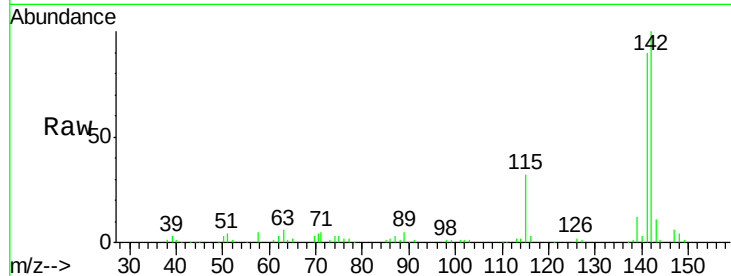




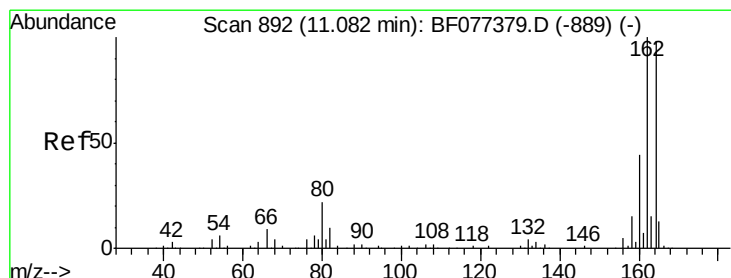
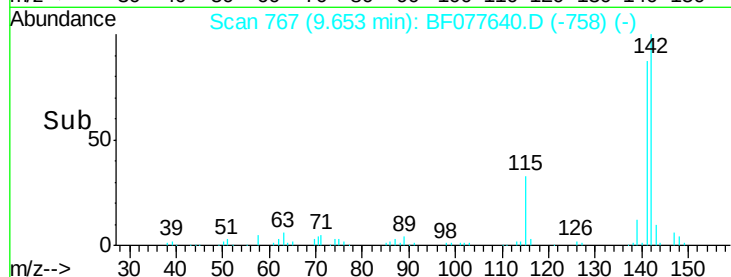
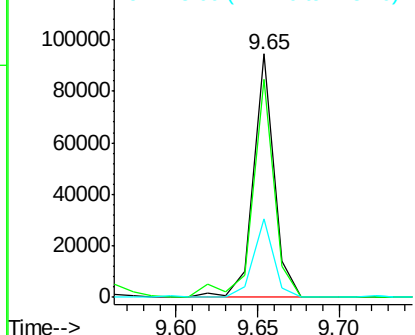
#37
 2-Methylnaphthalene
 Concen: 41.20 ng
 RT: 9.65 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BF077640.D
 Acq: 9 Mar 2015 16:11

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515DL

Tot Ion:142 Resp: 83059
 Ion Ratio Lower Upper
 142 100
 141 89.6 70.7 106.1
 115 32.3 24.2 36.4

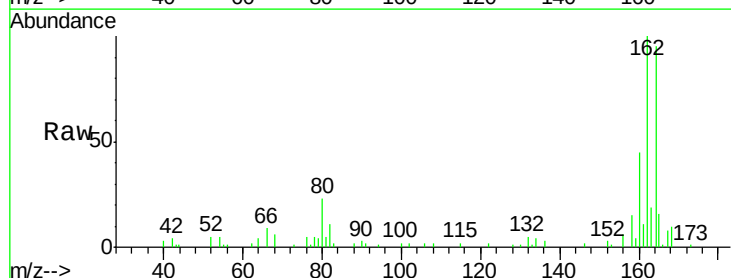


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

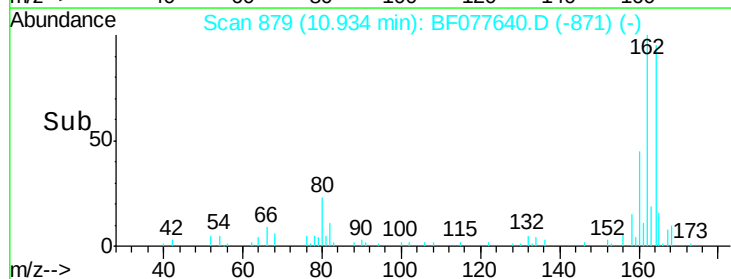
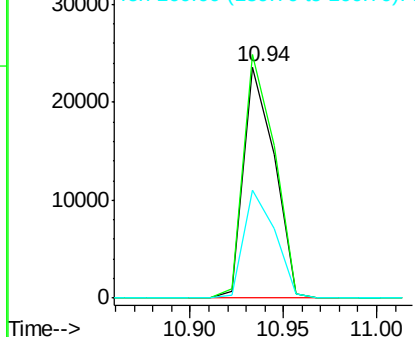


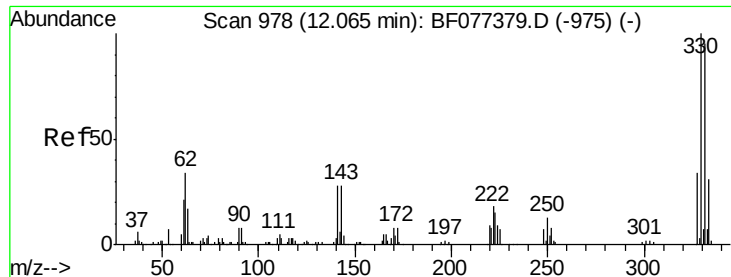
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.94 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: BF077640.D
 Acq: 9 Mar 2015 16:11

Tgt Ion:164 Resp: 27036
 Ion Ratio Lower Upper
 164 100
 162 105.4 83.2 124.8
 160 46.9 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

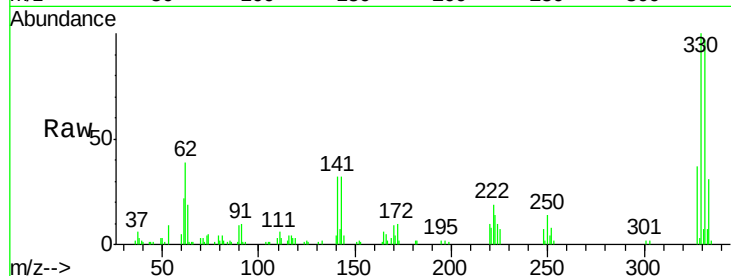




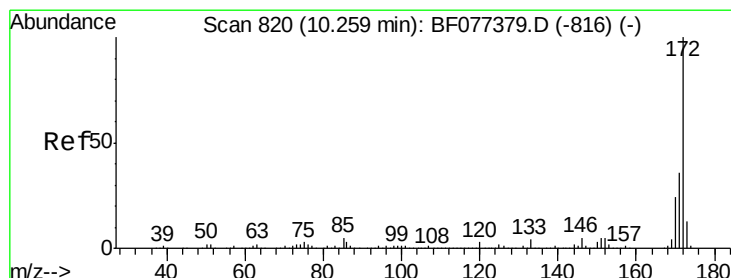
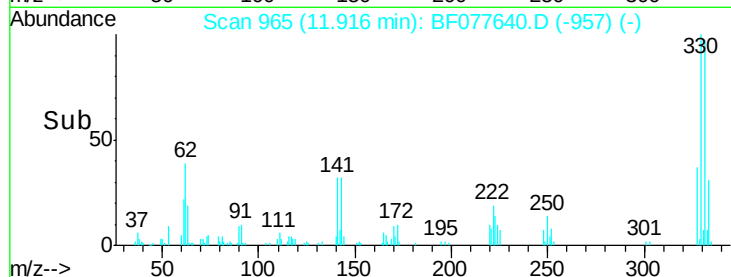
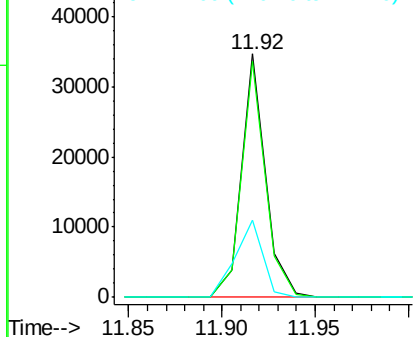
#41
 2,4,6-Tribromophenol
 Concen: 119.82 ng
 RT: 11.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BF077640.D
 Acq: 9 Mar 2015 16:11

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515DL

Tot Ion:330 Resp: 31193
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.2
 141 36.9 28.8 43.2

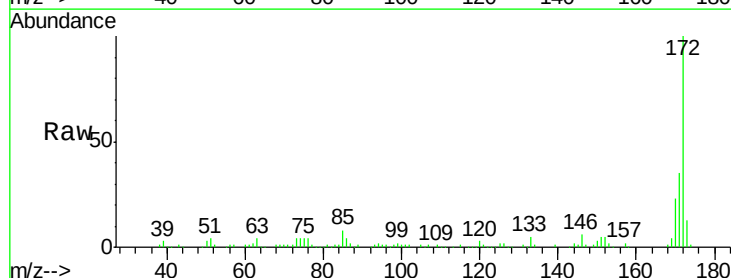


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

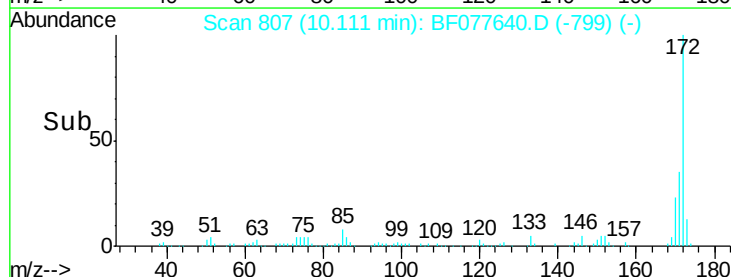
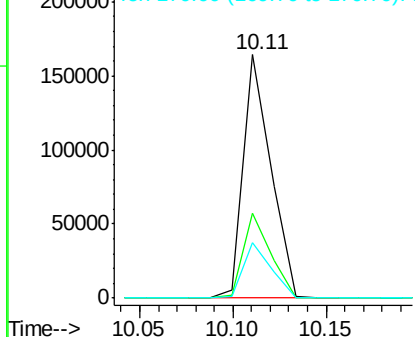


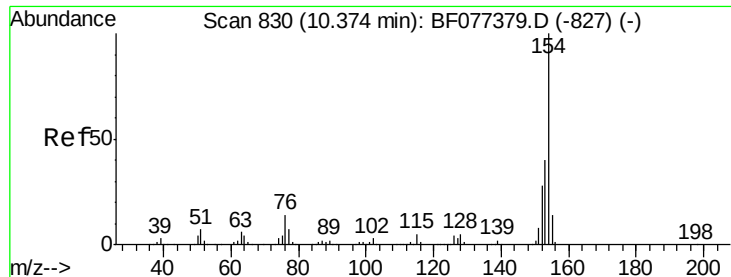
#44
 2-Fluorobiphenyl
 Concen: 97.36 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF077640.D
 Acq: 9 Mar 2015 16:11

Tgt Ion:172 Resp: 168819
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.9 43.3
 170 22.7 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

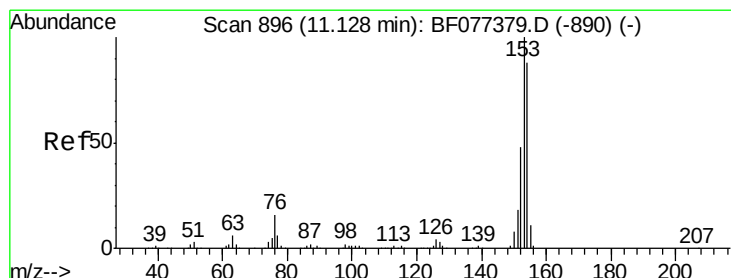
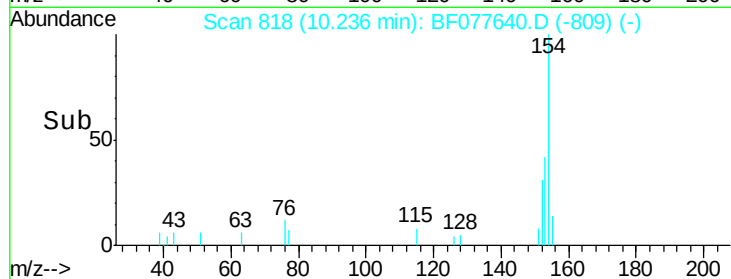
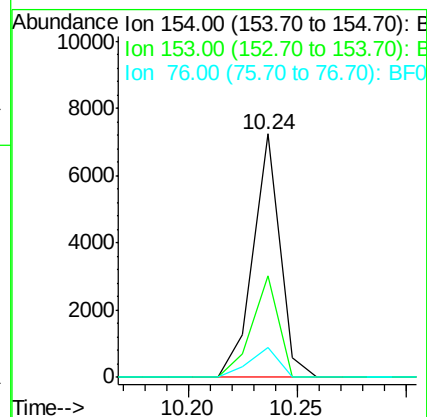
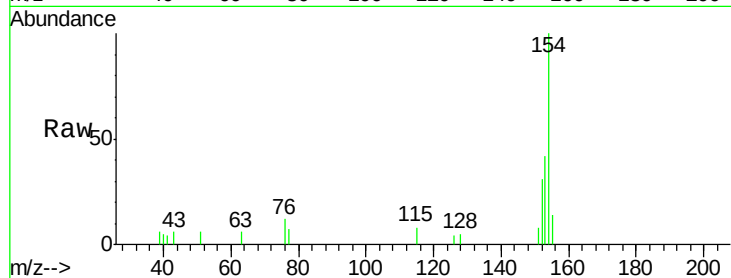




#45
1,1'-Biphenyl
Concen: 3.04 ng
RT: 10.24 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF077640.D
Acq: 9 Mar 2015 16:11

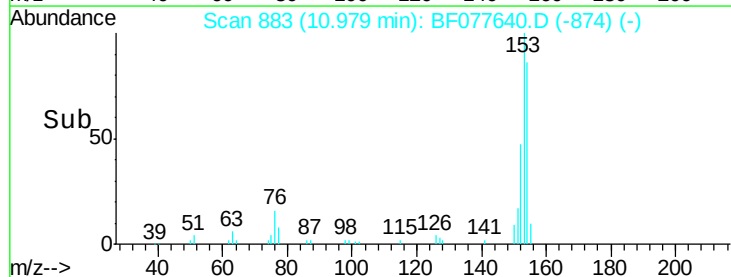
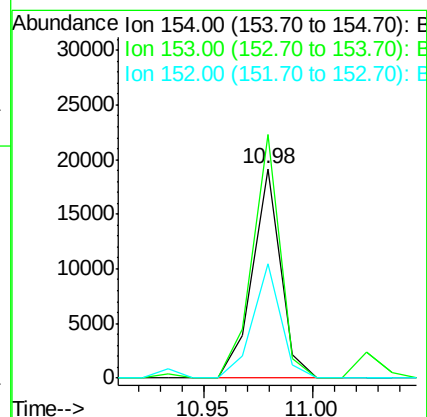
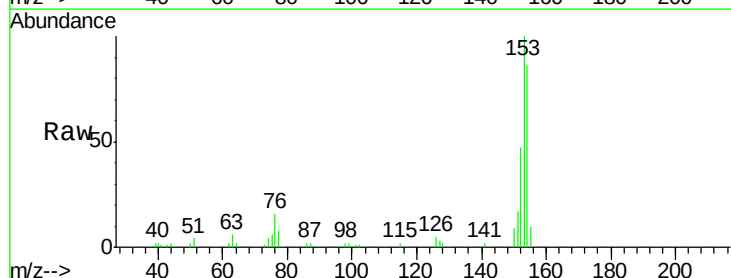
Instrument :
BNA_F
ClientSampleId :
DCW-WW-076-3515DL

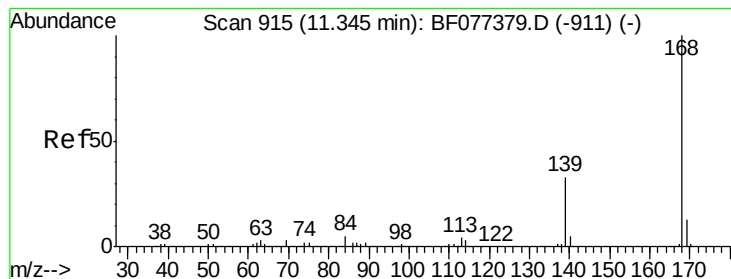
Tot Ion:154 Resp: 6225
Ion Ratio Lower Upper
154 100
153 41.6 20.2 60.2
76 12.4 0.0 29.4



#51
Acenaphthene
Concen: 11.37 ng
RT: 10.98 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF077640.D
Acq: 9 Mar 2015 16:11

Tgt Ion:154 Resp: 17258
Ion Ratio Lower Upper
154 100
153 116.1 90.5 135.7
152 54.6 43.5 65.3





#54

Dibenzenofuran

Concen: 3.82 ng

RT: 11.19 min Scan# 902

Delta R.T. -0.00 min

Lab File: BF077640.D

Acq: 9 Mar 2015 16:11

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

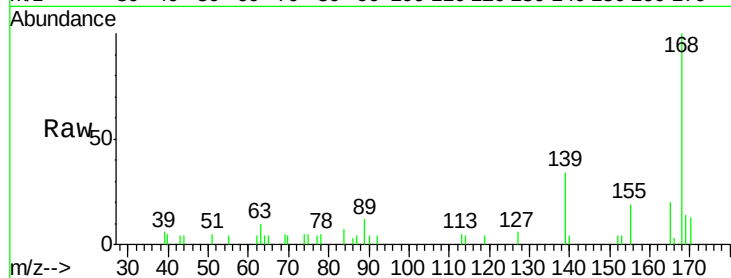
Tot Ion:168 Resp: 8958

Ion Ratio Lower Upper

168 100

139 33.7 29.3 43.9

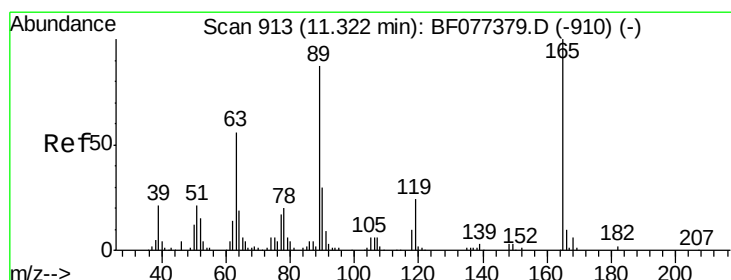
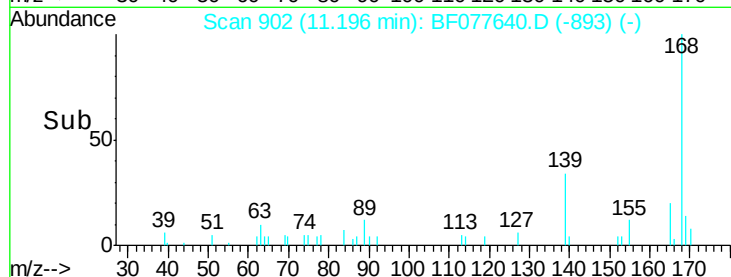
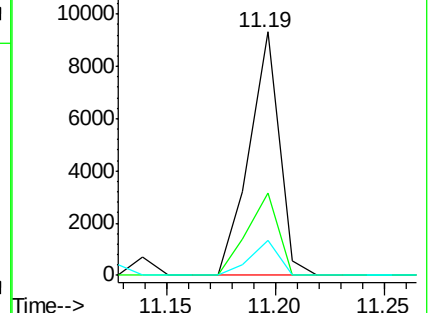
169 14.2 10.9 16.3



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: 11.60 ng

RT: 11.19 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF077640.D

Acq: 9 Mar 2015 16:11

Tgt Ion:165 Resp: 5972

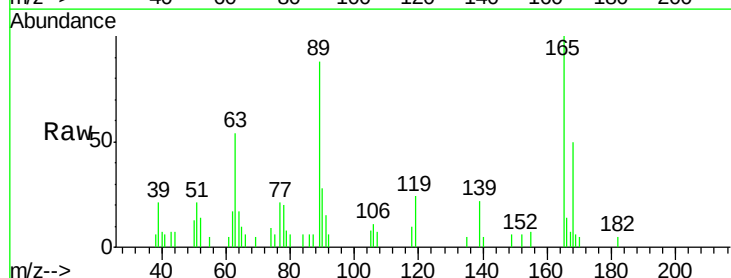
Ion Ratio Lower Upper

165 100

63 54.3 29.8 44.8#

89 87.9 48.5 72.7#

182 4.9 1.9 2.9#

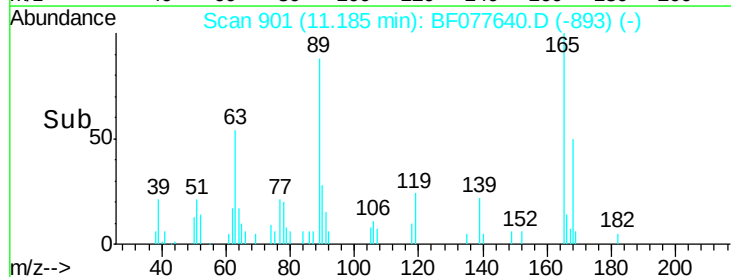
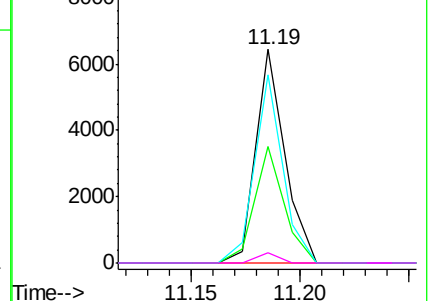


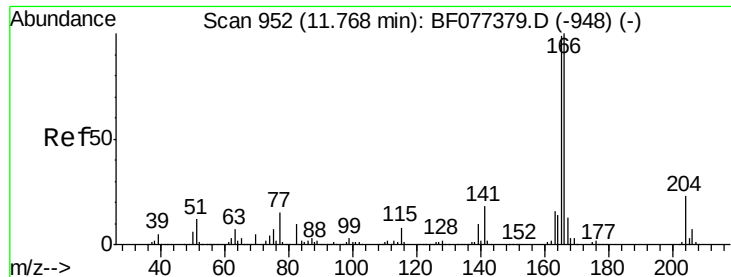
Abundance Ion 165.00 (164.70 to 165.70): E

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

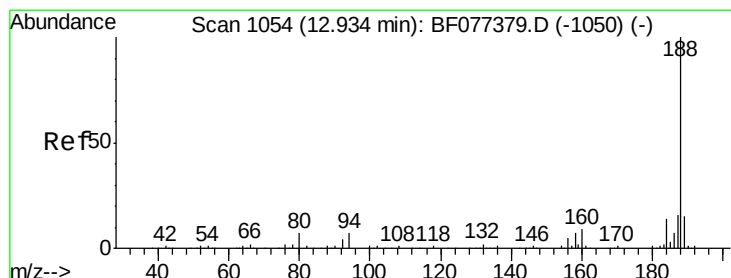
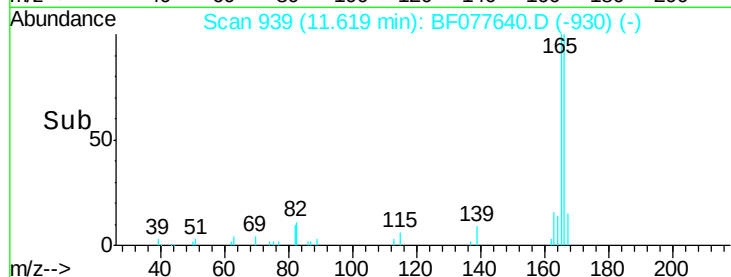
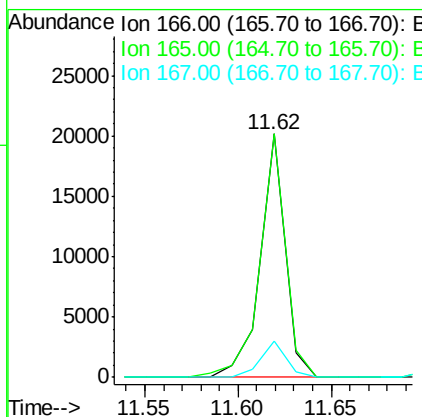
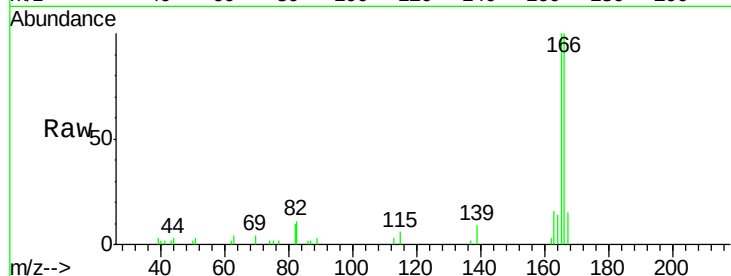




#57
Fluorene
 Concen: 9.97 ng
 RT: 11.62 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: BF077640.D
 Acq: 9 Mar 2015 16:11

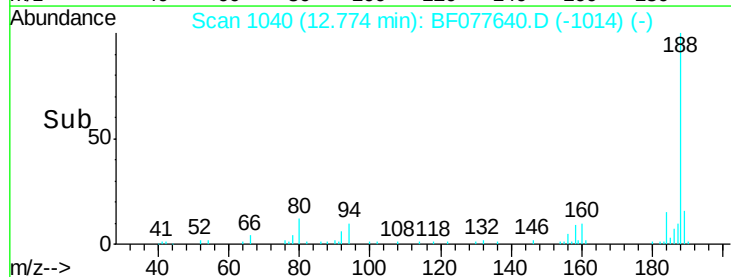
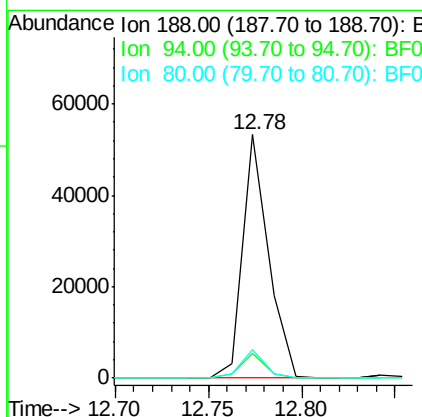
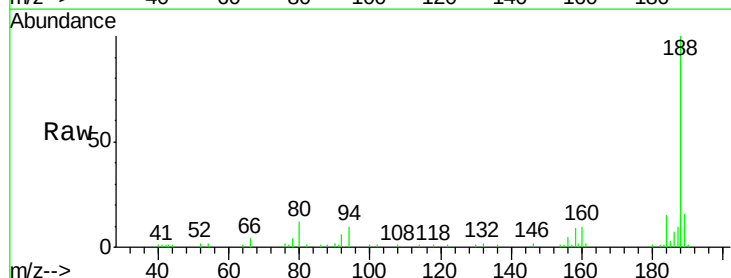
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515DL

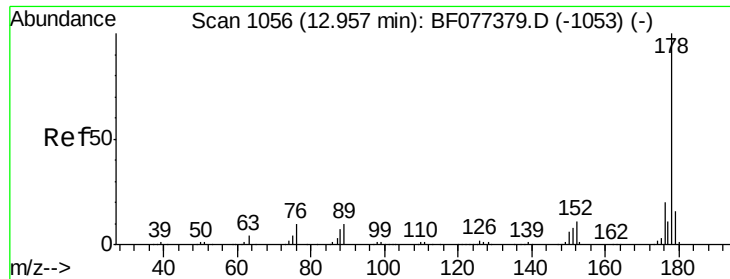
Tot Ion:166 Resp: 18678
 Ion Ratio Lower Upper
 166 100
 165 99.8 77.6 116.4
 167 15.1 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.78 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF077640.D
 Acq: 9 Mar 2015 16:11

Tgt Ion:188 Resp: 51272
 Ion Ratio Lower Upper
 188 100
 94 10.0 7.4 11.2
 80 11.9 8.0 12.0

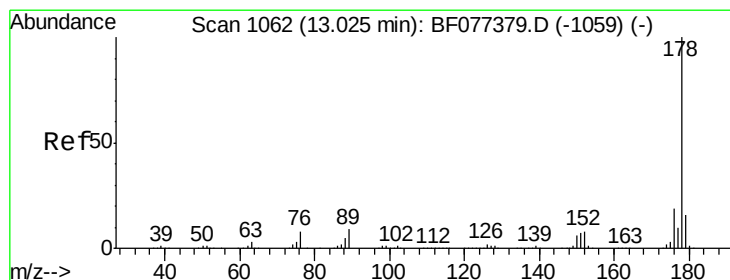
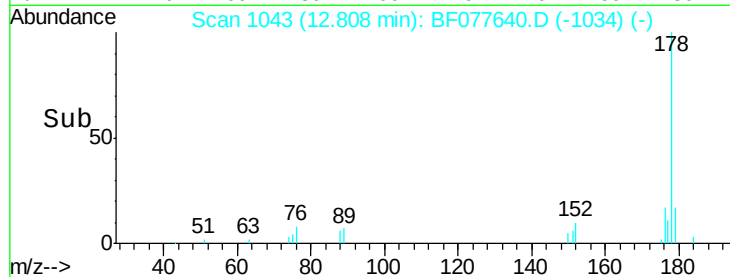
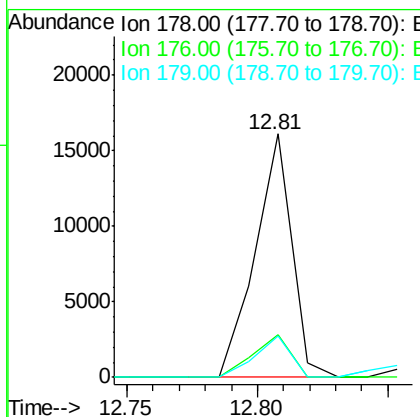
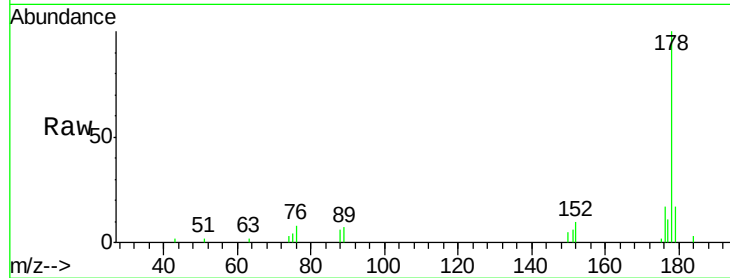




#70
Phenanthrene
Concen: 5.33 ng
RT: 12.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF077640.D
Acq: 9 Mar 2015 16:11

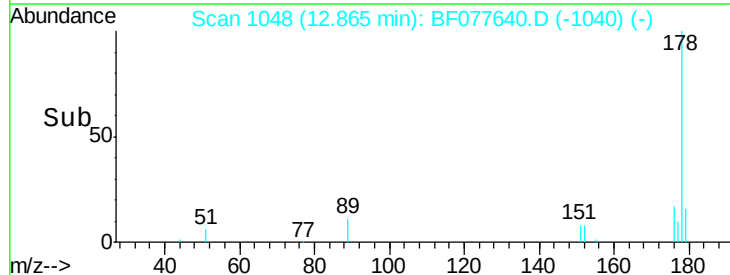
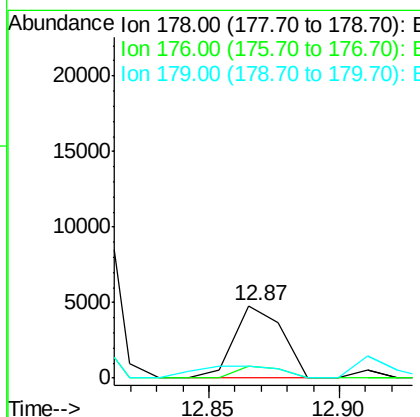
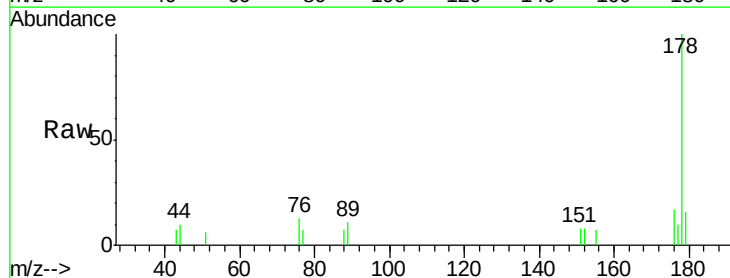
Instrument :
BNA_F
ClientSampleId :
DCW-WW-076-3515DL

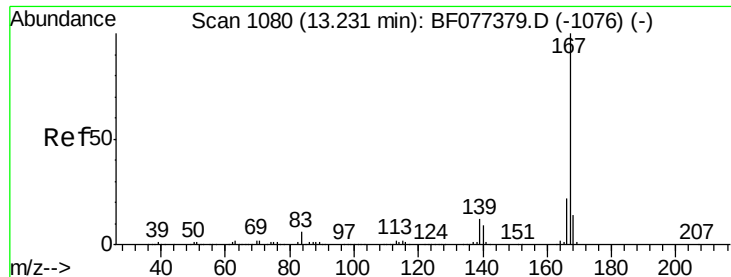
Tot Ion:178 Resp: 15852
Ion Ratio Lower Upper
178 100
176 17.4 15.5 23.3
179 16.8 12.2 18.2



#71
Anthracene
Concen: 2.08 ng
RT: 12.87 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF077640.D
Acq: 9 Mar 2015 16:11

Tgt Ion:178 Resp: 6146
Ion Ratio Lower Upper
178 100
176 17.0 15.4 23.0
179 15.9 12.9 19.3





#72

Carbazole

Concen: 3.78 ng

RT: 13.08 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BF077640.D

Acq: 9 Mar 2015 16:11

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

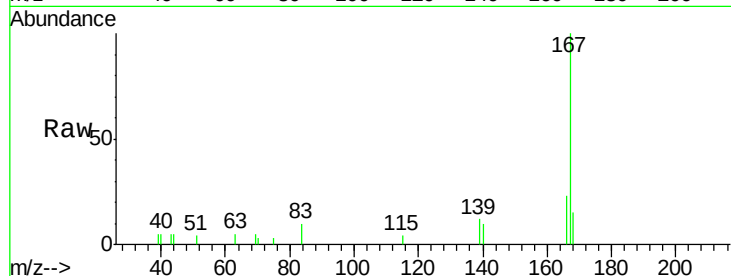
Tot Ion:167 Resp: 10611

Ion Ratio Lower Upper

167 100

166 22.6 17.6 26.4

139 12.0 9.9 14.9

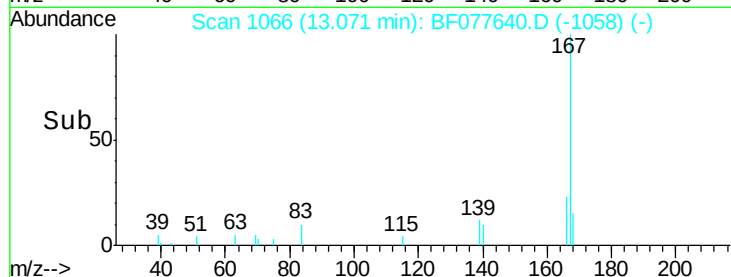


Abundance Ion 167.00 (166.70 to 167.70): E

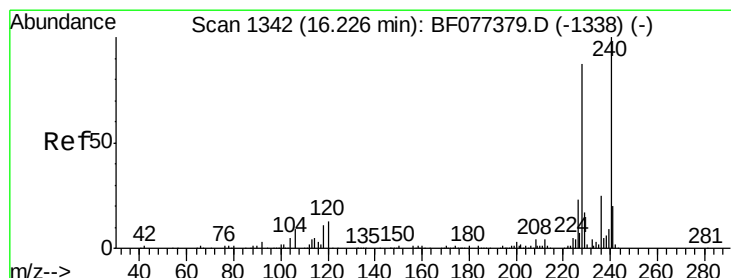
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

13.08



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.06 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BF077640.D

Acq: 9 Mar 2015 16:11

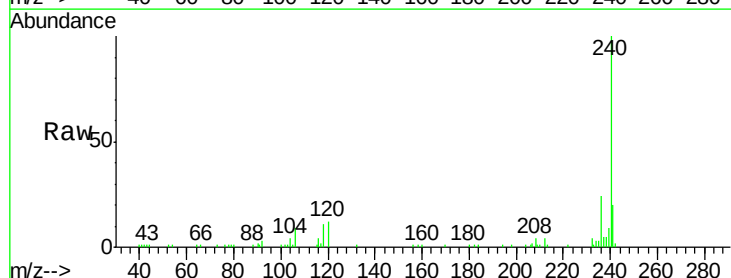
Tgt Ion:240 Resp: 54688

Ion Ratio Lower Upper

240 100

120 12.4 8.8 13.2

236 23.9 20.7 31.1

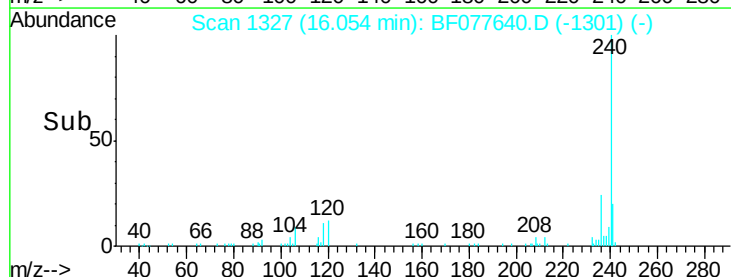


Abundance Ion 240.00 (239.70 to 240.70): E

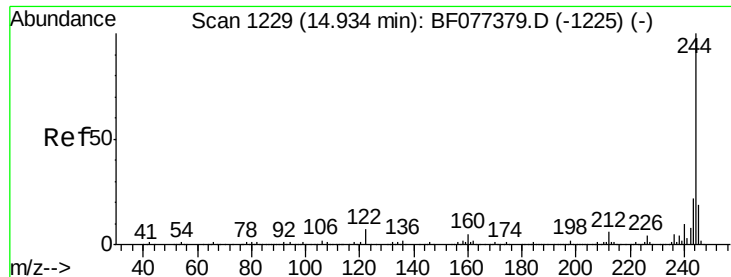
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

16.06



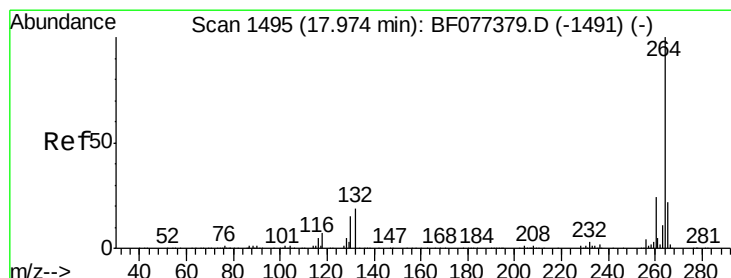
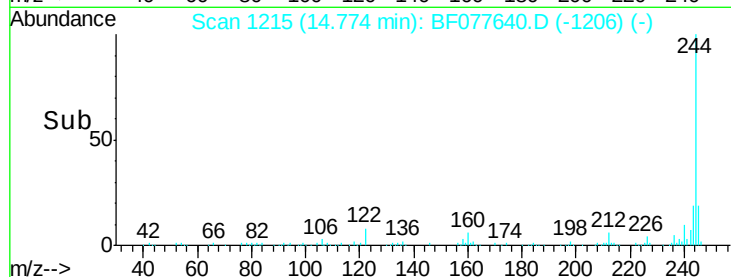
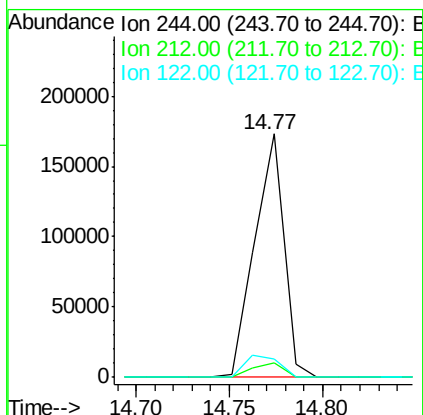
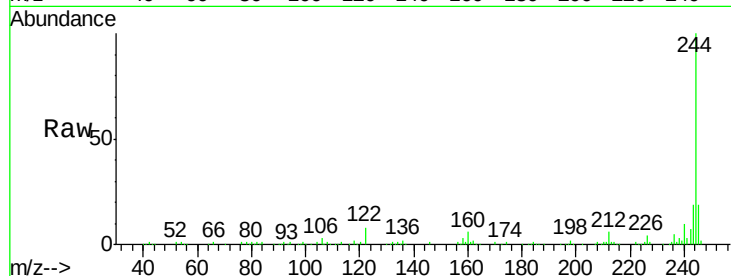
Time-->



#78
 Terphenyl-d14
 Concen: 80.13 ng
 RT: 14.77 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF077640.D
 Acq: 9 Mar 2015 16:11

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515DL

Tot Ion:244 Resp: 187444
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.2 7.8
 122 7.8 7.8 11.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.77 min Scan# 1477
 Delta R.T. 0.03 min
 Lab File: BF077640.D
 Acq: 9 Mar 2015 16:11

Tgt Ion:264 Resp: 56518
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.3 28.9
 265 19.6 16.8 25.2

