

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031015\
 Data File : BF077676.D
 Acq On : 10 Mar 2015 22:26
 Operator : TP/IZ
 Sample : G1466-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-085-3915

Quant Time: Mar 11 00:19:15 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 11 00:54:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	60714	20.00	ng	0.00
21) Naphthalene-d8	8.76	136	239715	20.00	ng	0.00
38) Acenaphthene-d10	10.93	164	121421	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	230975	20.00	ng	0.00
75) Chrysene-d12	16.05	240	227260	20.00	ng	-0.04
86) Perylene-d12	17.75	264	229516	20.00	ng	-0.16

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	204767	56.30	ng	0.00
7) Phenol-d6	6.75	99	151052	32.30	ng	0.00
23) Nitrobenzene-d5	7.88	82	387286	100.47	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	164209	140.45	ng	0.00
44) 2-Fluorobiphenyl	10.11	172	846480	108.70	ng	0.00
78) Terphenyl-d14	14.76	244	906687	93.27	ng	0.00

Target Compounds

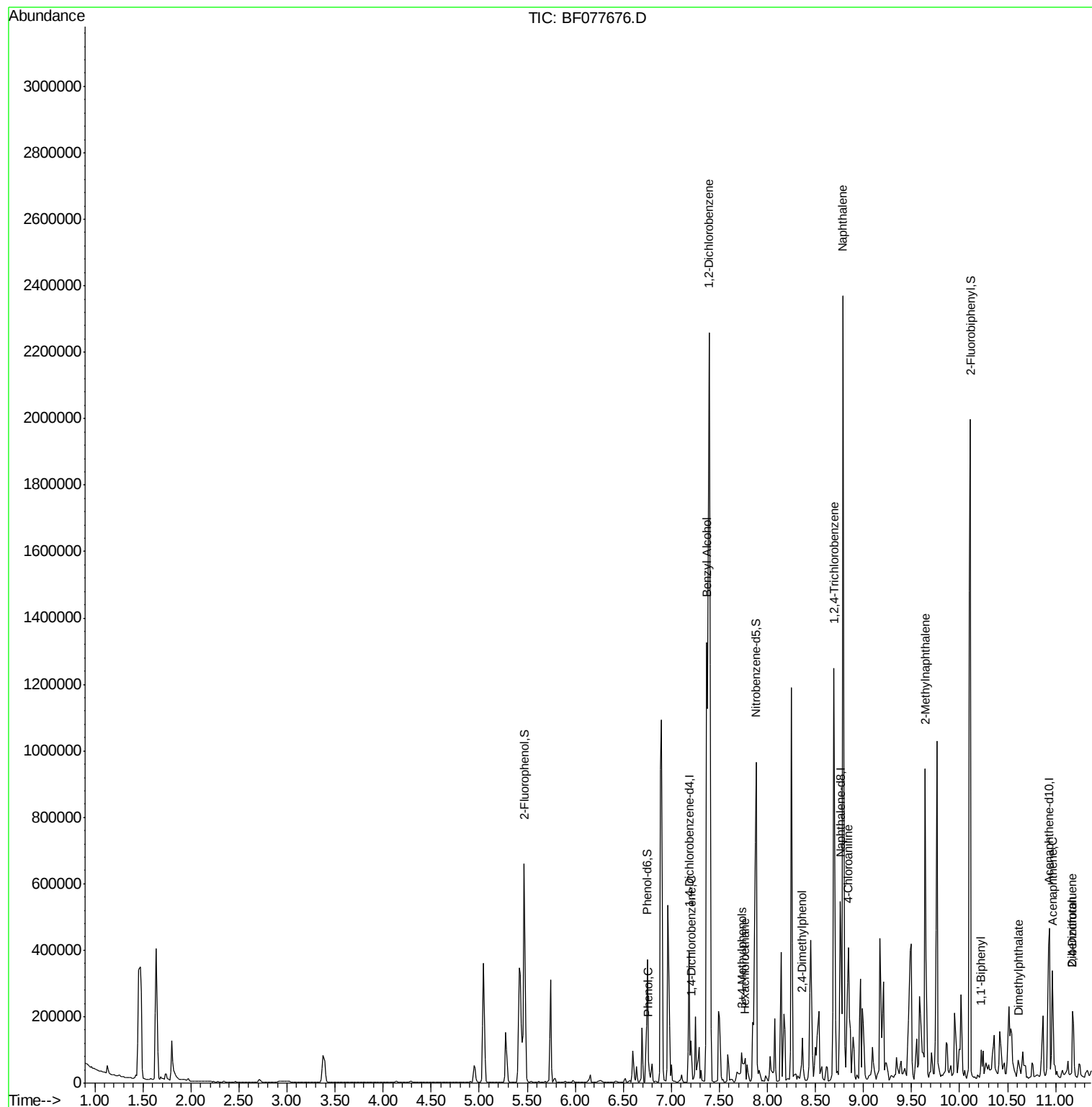
						Qvalue
10) Phenol	6.76	94	12433	2.24	ng	79
13) 1,4-Dichlorobenzene	7.21	146	32000	6.73	ng	99
14) 1,2-Dichlorobenzene	7.39	146	510828	112.99	ng	100
15) Benzyl Alcohol	7.37	79	9272	2.61	ng	# 65
18) Hexachloroethane	7.78	117	3712	2.34	ng	# 1
20) 3+4-Methylphenols	7.74	107	43369	9.82	ng	# 27
27) 2,4-Dimethylphenol	8.37	122	8389	2.26	ng	97
30) 1,2,4-Trichlorobenzene	8.69	180	228375	59.50	ng	99
31) Naphthalene	8.79	128	1102715	91.99	ng	99
33) 4-Chloroaniline	8.84	127	171541	32.18	ng	98
37) 2-Methylnaphthalene	9.64	142	273895	32.17	ng	98
45) 1,1'-Biphenyl	10.23	154	23035	2.50	ng	99
49) Dimethylphthalate	10.61	163	23761	2.78	ng	# 95
51) Acenaphthene	10.97	154	71342	10.47	ng	99
54) Dibenzofuran	11.18	168	33439	3.18	ng	99
56) 2,4-Dinitrotoluene	11.18	165	28518	12.33	ng	# 58
57) Fluorene	11.61	166	81570	9.70	ng	98
62) Azobenzene	11.83	77	34668	4.34	ng	# 1
70) Phenanthrene	12.79	178	55605	4.15	ng	99
72) Carbazole	13.07	167	38880	3.08	ng	98

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

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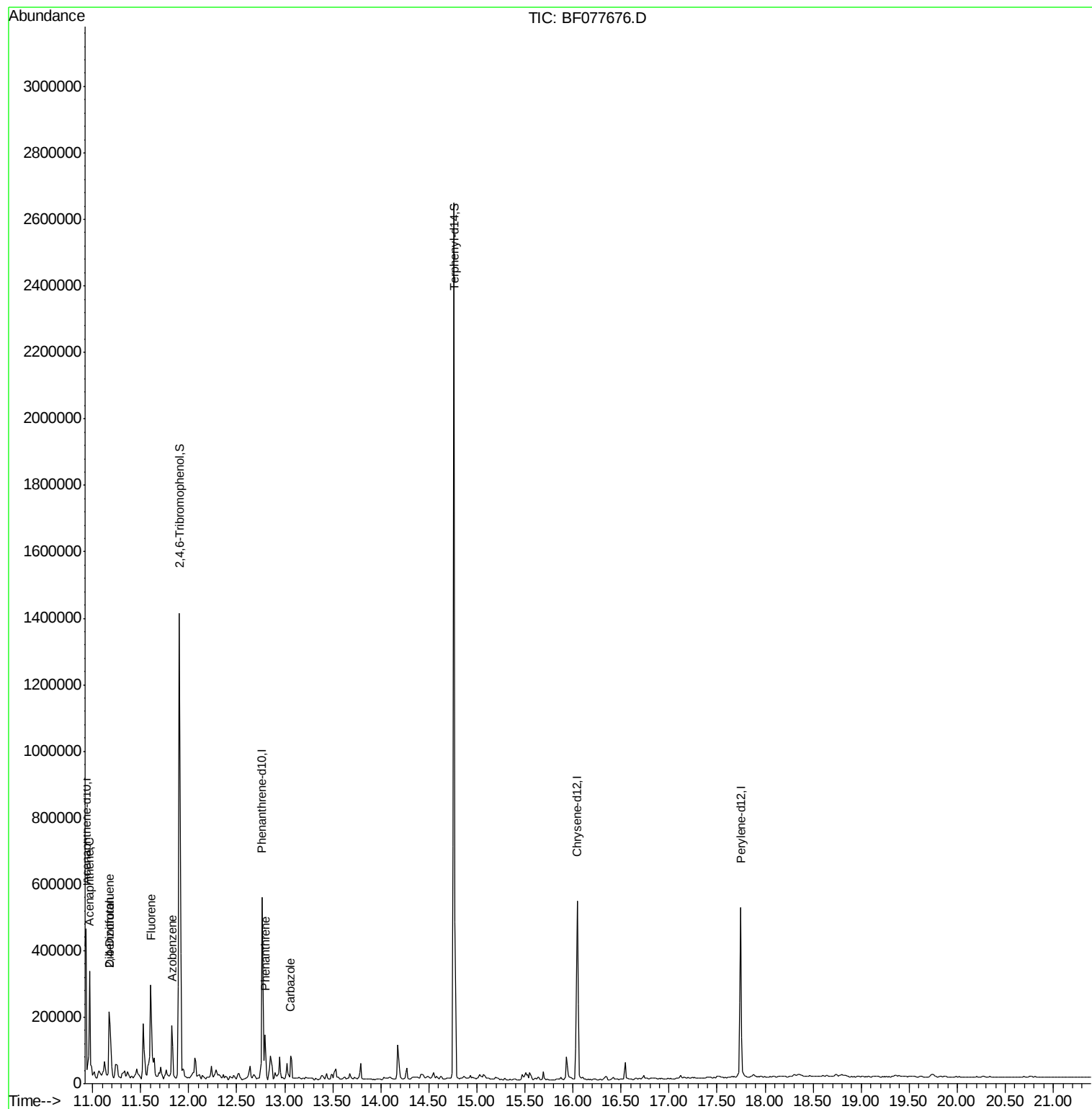
Quant Time: Mar 11 00:19:15 2015
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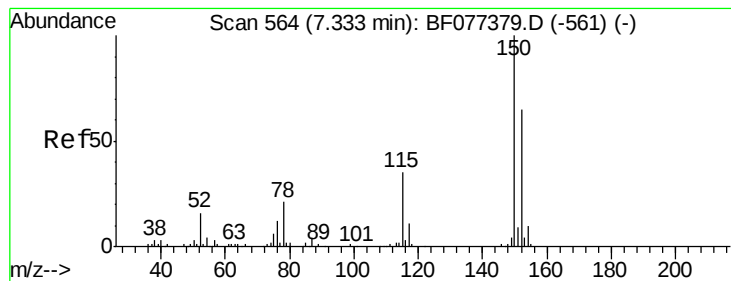


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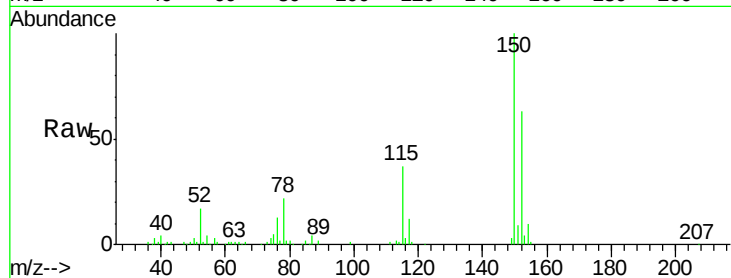


#1

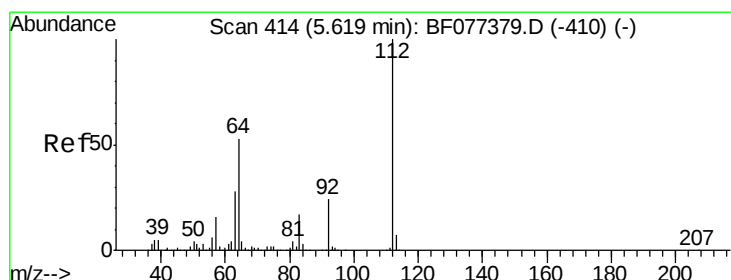
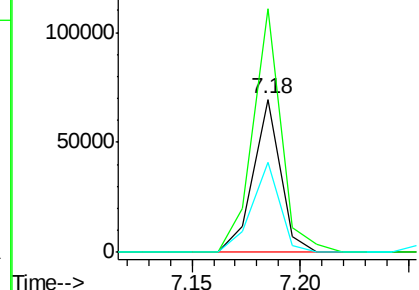
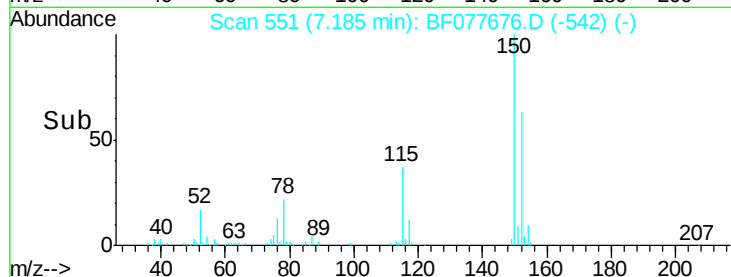
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.18 min Scan# 551
Delta R.T. -0.00 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

Instrument :
BNA_F
ClientSampleId :
DCW-WW-085-3915

Tgt Ion:152 Resp: 60714
Ion Ratio Lower Upper
152 100
150 159.3 124.0 186.0
115 59.1 49.4 74.2



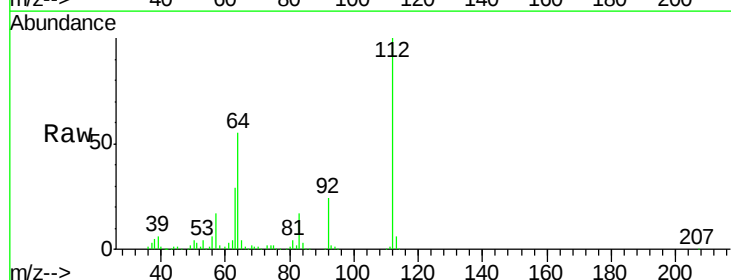
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



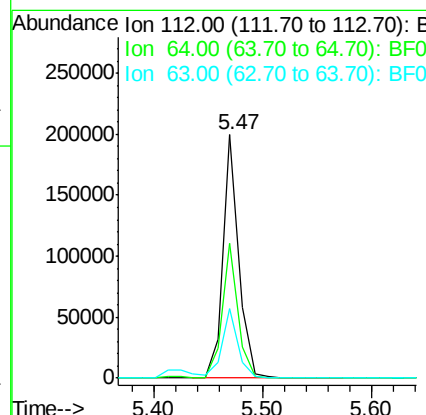
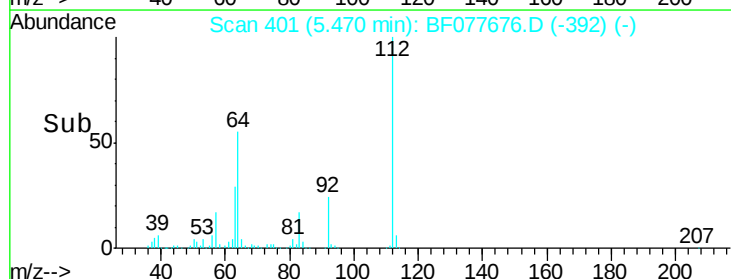
#5

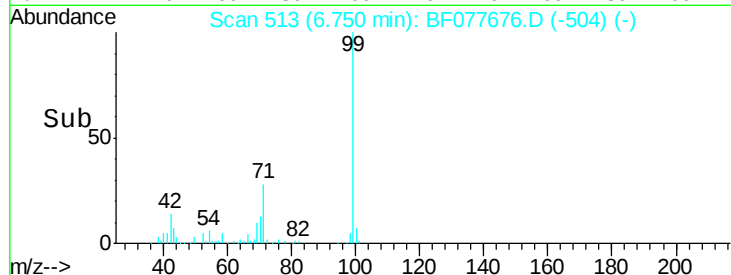
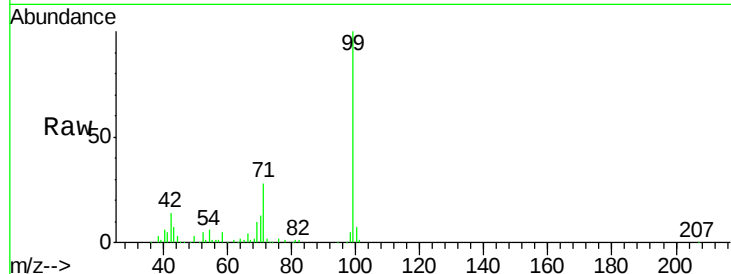
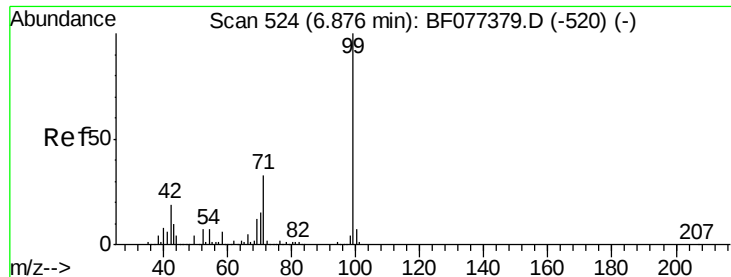
2-Fluorophenol
Concen: 56.30 ng
RT: 5.47 min Scan# 401
Delta R.T. 0.00 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

Tgt Ion:112 Resp: 204767
Ion Ratio Lower Upper
112 100
64 55.3 48.5 72.7
63 28.6 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

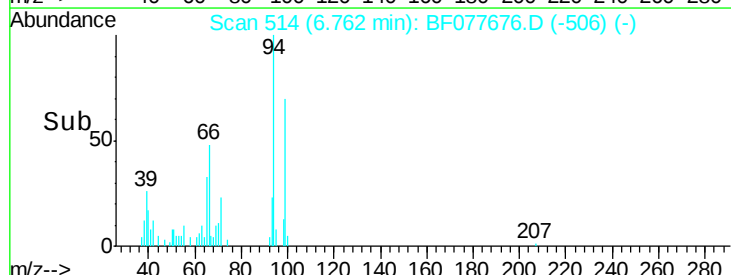
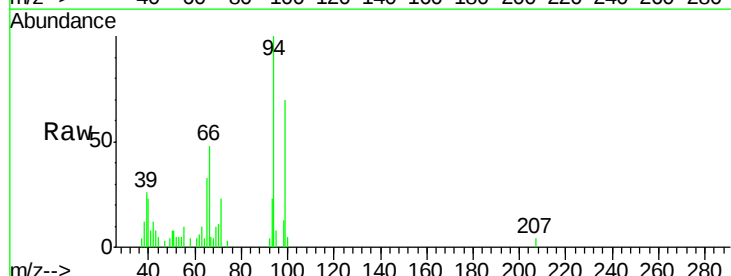
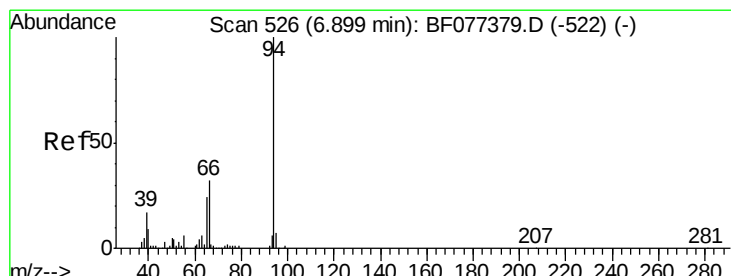
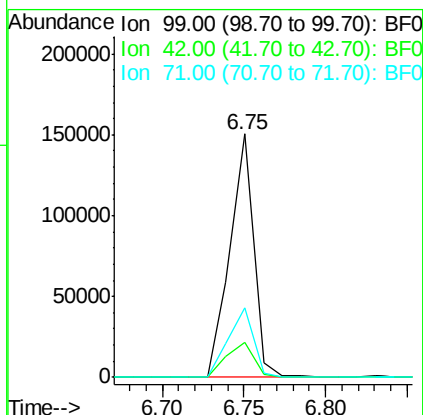




#7
Phenol-d6
Concen: 32.30 ng
RT: 6.75 min Scan# 513
Delta R.T. -0.00 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

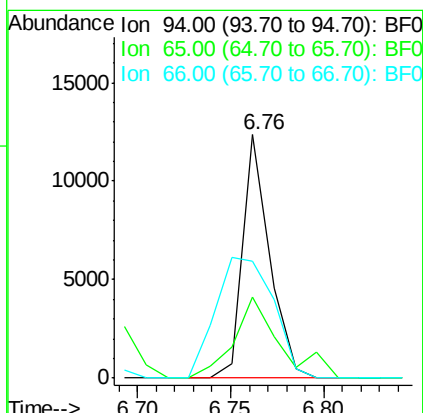
Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.1	16.2	24.4#
71	28.4	26.7	40.1

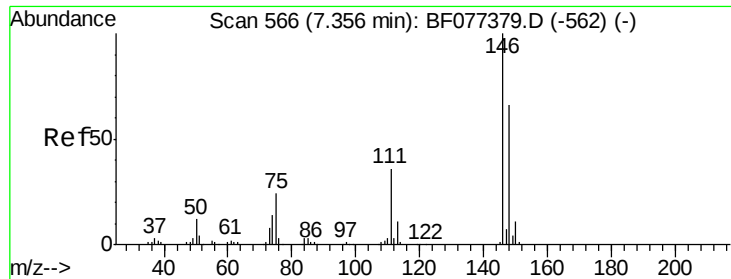
Instrument :
BNA_F
ClientSampleId :
DCW-WW-085-3915



#10
Phenol
Concen: 2.24 ng
RT: 6.76 min Scan# 514
Delta R.T. -0.00 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

Tgt Ion	Ratio	Lower	Upper
94	100		
65	33.4	5.7	45.7
66	48.2	13.6	53.6

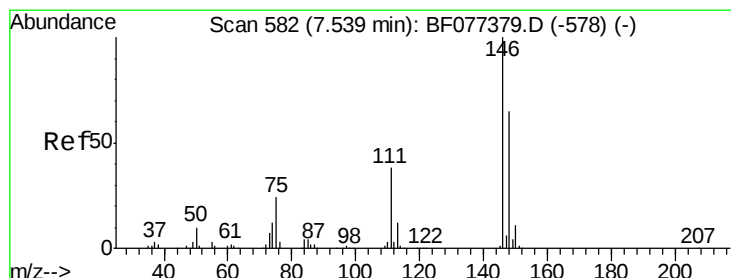
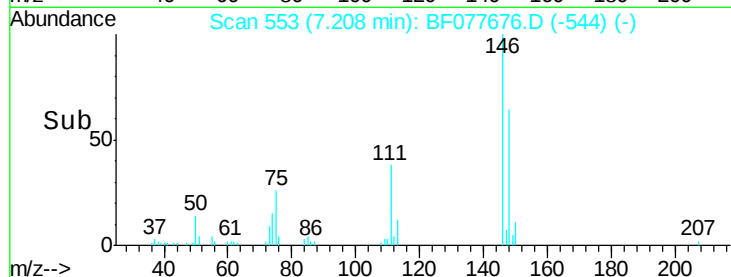
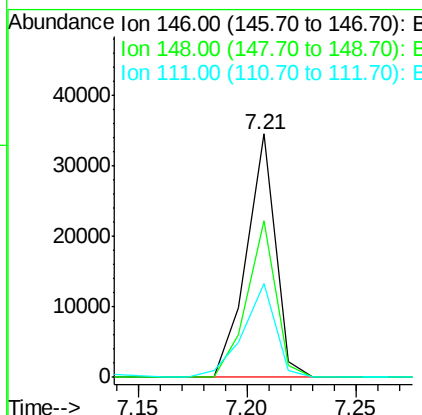
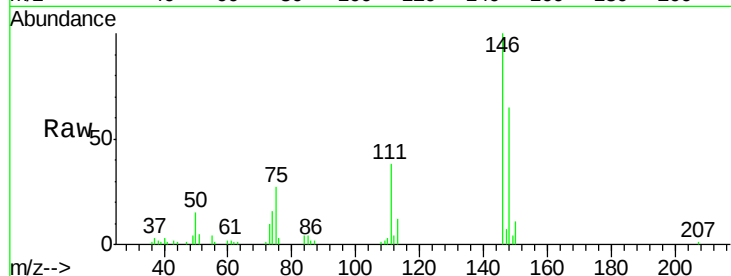




#13
 1,4-Dichlorobenzene
 Concen: 6.73 ng
 RT: 7.21 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

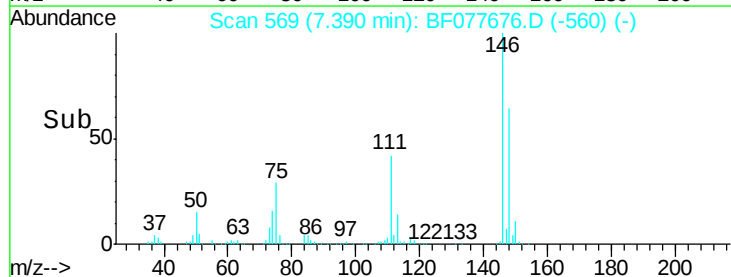
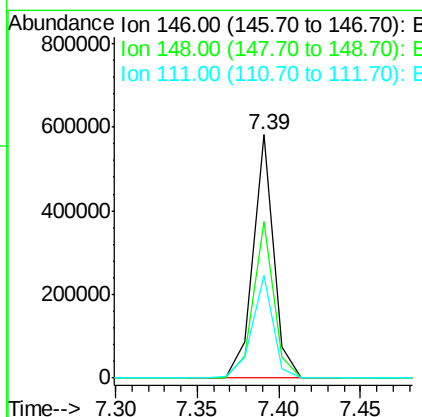
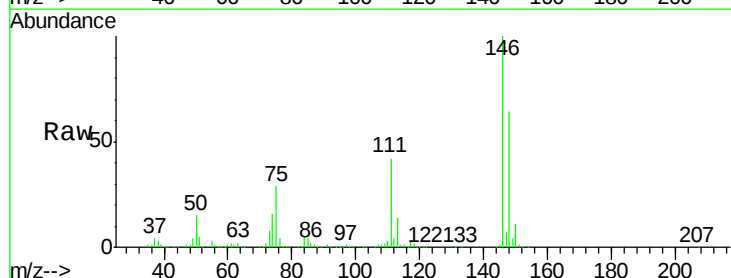
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-085-3915

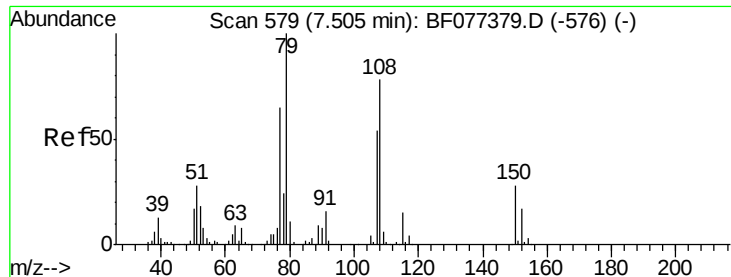
Tgt Ion:146 Resp: 32000
 Ion Ratio Lower Upper
 146 100
 148 64.5 52.0 78.0
 111 38.5 31.9 47.9



#14
 1,2-Dichlorobenzene
 Concen: 112.99 ng
 RT: 7.39 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

Tgt Ion:146 Resp: 510828
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.6 77.4
 111 42.2 34.2 51.2





#15

Benzyl Alcohol

Concen: 2.61 ng

RT: 7.37 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

Instrument :

BNA_F

ClientSampleId :

DCW-WW-085-3915

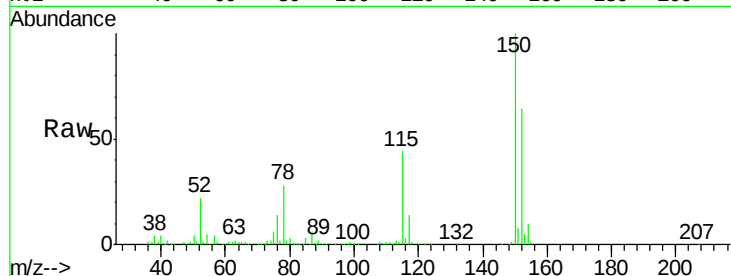
Tgt Ion: 79 Resp: 9272

Ion Ratio Lower Upper

79 100

108 46.4 58.3 87.5#

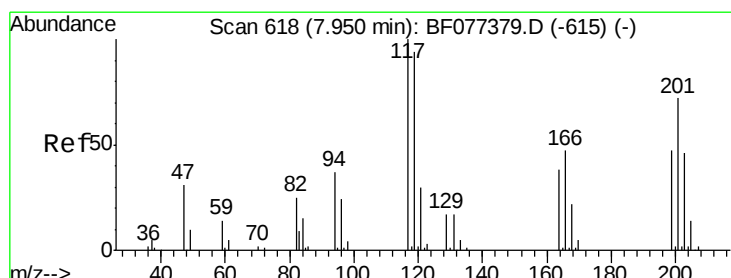
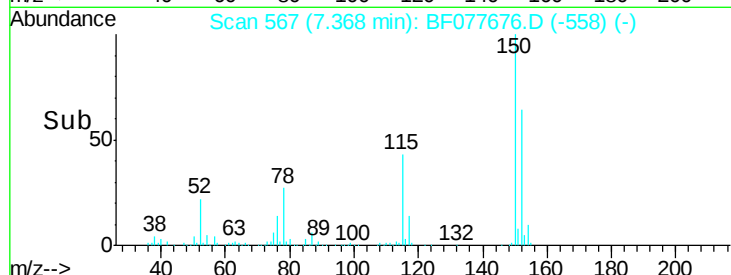
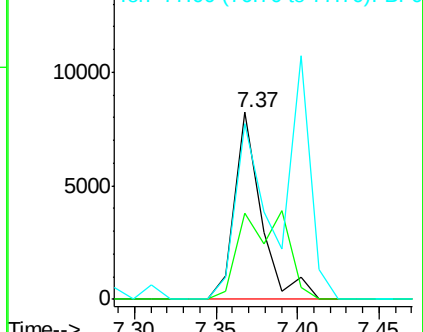
77 94.3 51.3 76.9#



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: 2.34 ng

RT: 7.78 min Scan# 603

Delta R.T. -0.03 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

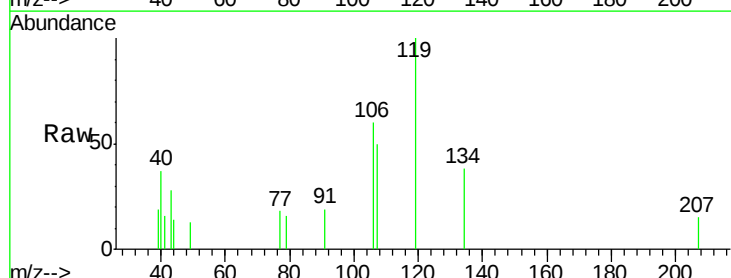
Tgt Ion: 117 Resp: 3712

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.8#

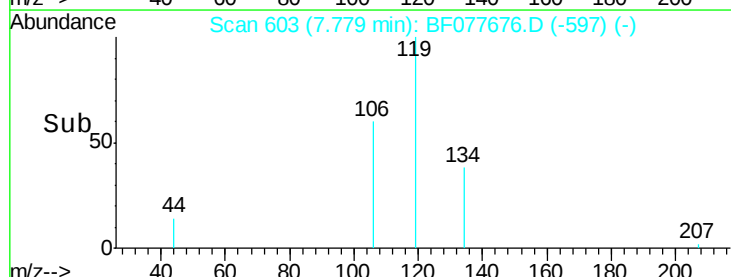
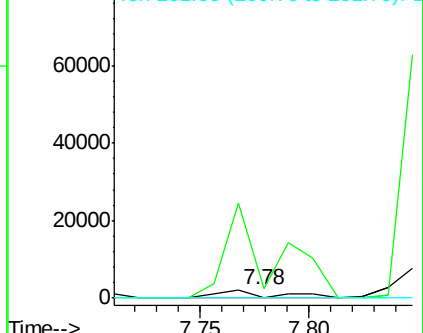
201 0.0 90.6 136.0#

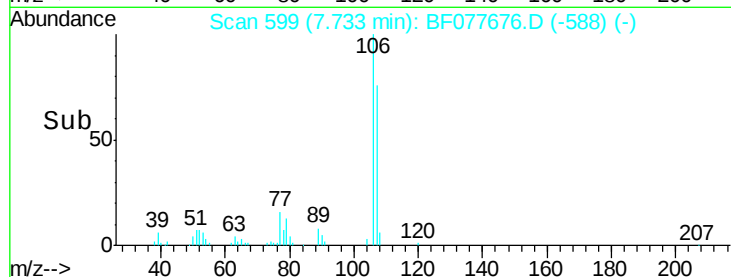
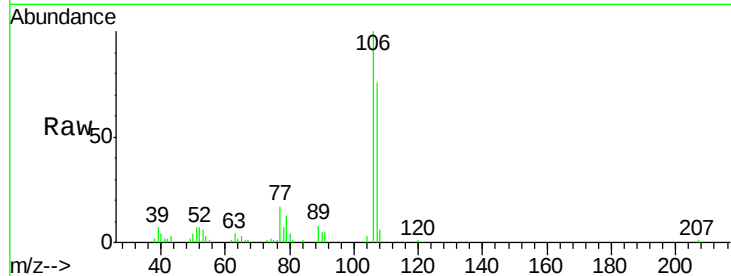
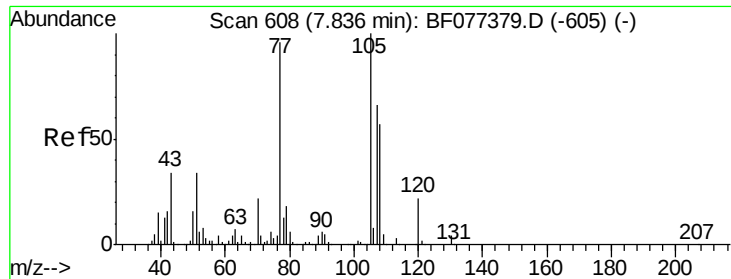


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#20

3+4-Methylphenols

Concen: 9.82 ng

RT: 7.74 min Scan# 599

Delta R.T. 0.02 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

Instrument :

BNA_F

ClientSampleId :

DCW-WW-085-3915

Tgt Ion:107 Resp: 43369

Ion Ratio Lower Upper

107 100

108 8.1 76.8 116.8#

77 22.2 65.8 105.8#

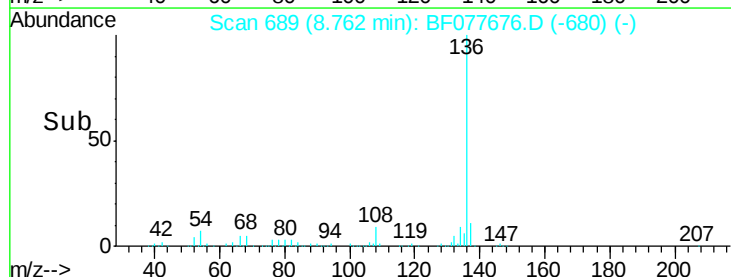
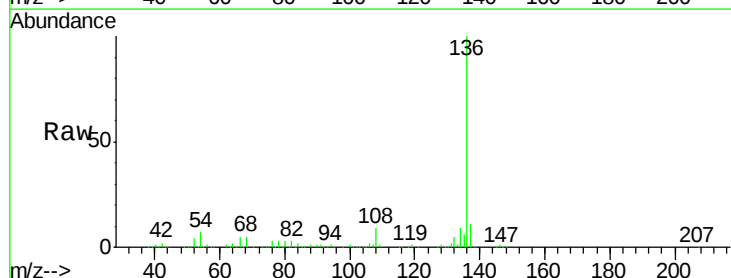
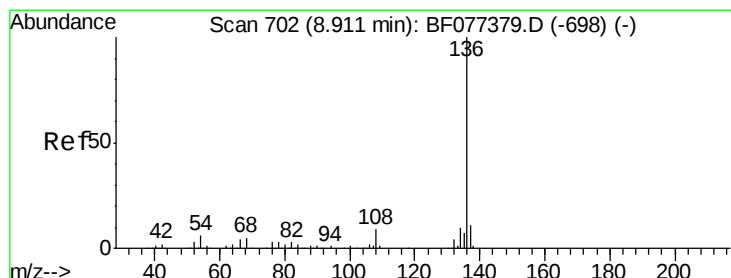
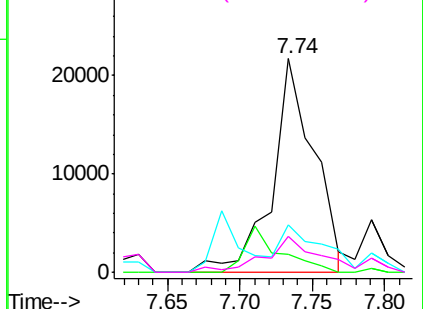
79 16.9 9.6 49.6

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: 8.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

Tgt Ion:136 Resp: 239715

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 6.7 6.2 9.4

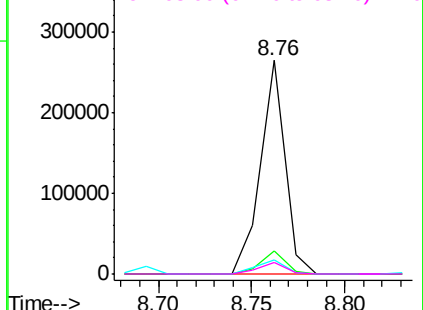
68 5.4 5.0 7.6

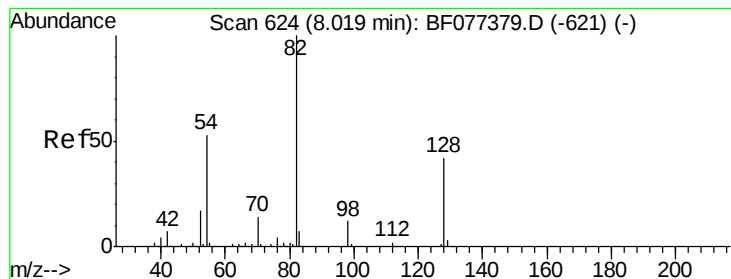
Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.47 ng

RT: 7.88 min Scan# 612

Delta R.T. -0.00 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

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DCW-WW-085-3915

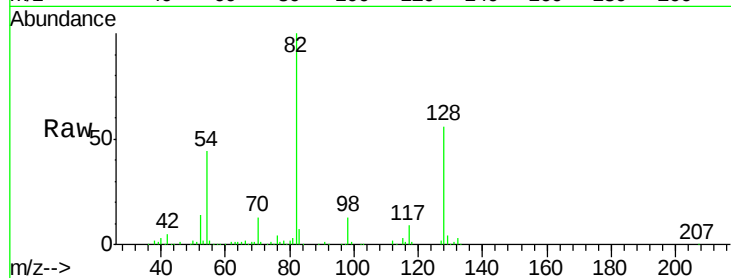
Tgt Ion: 82 Resp: 387286

Ion Ratio Lower Upper

82 100

128 56.5 43.8 65.8

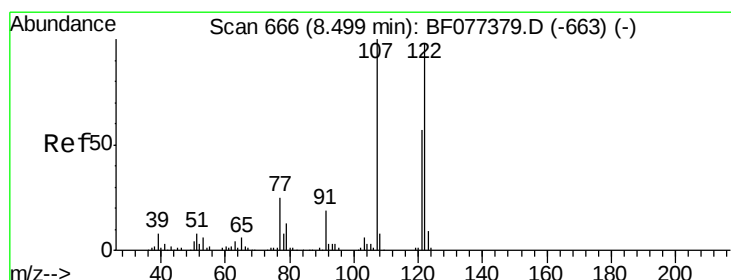
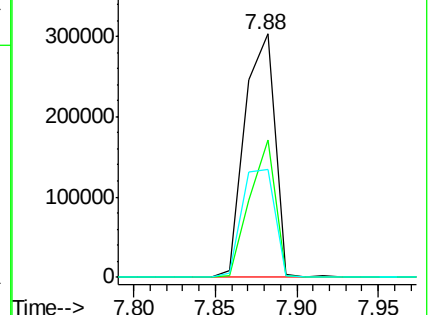
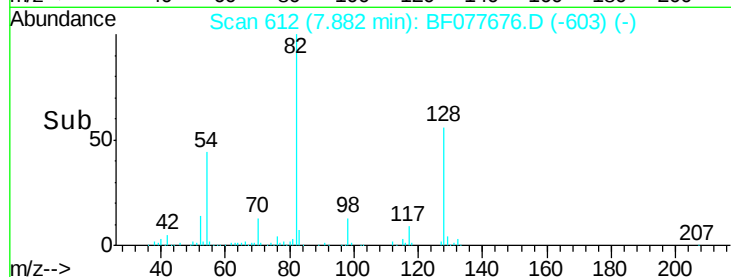
54 44.2 36.7 55.1



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



#27

2,4-Dimethylphenol

Concen: 2.26 ng

RT: 8.37 min Scan# 654

Delta R.T. 0.00 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

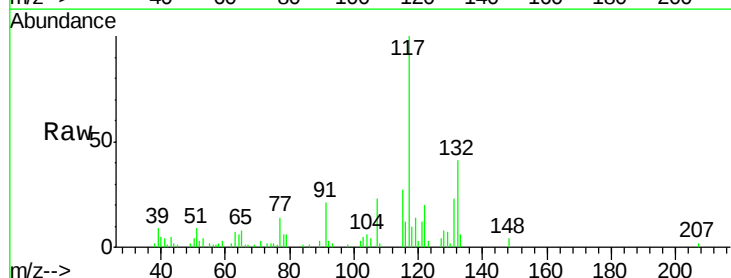
Tgt Ion: 122 Resp: 8389

Ion Ratio Lower Upper

122 100

107 111.9 86.6 130.0

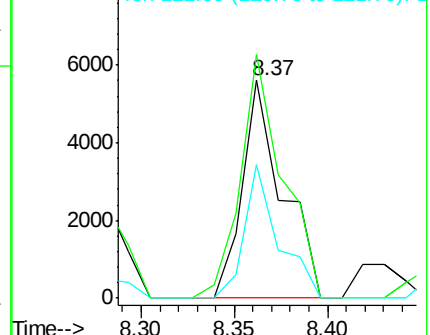
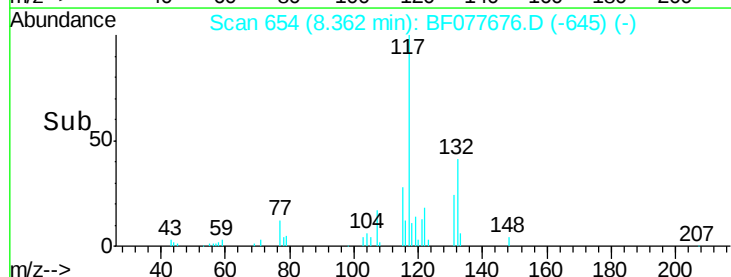
121 61.2 47.4 71.0

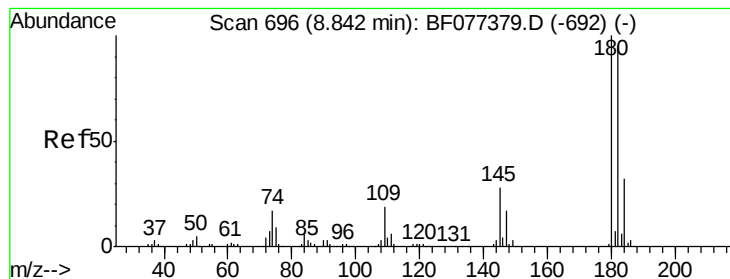


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#30

1,2,4-Trichlorobenzene

Concen: 59.50 ng

RT: 8.69 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

Instrument :

BNA_F

ClientSampleId :

DCW-WW-085-3915

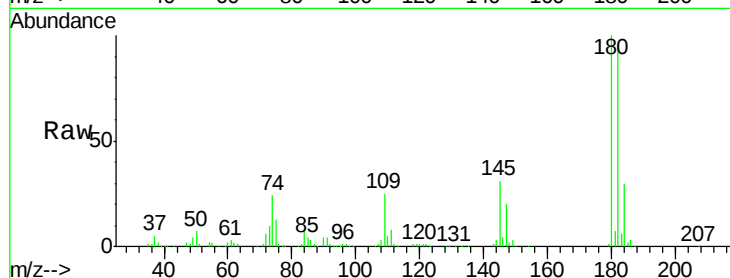
Tgt Ion:180 Resp: 228375

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.4

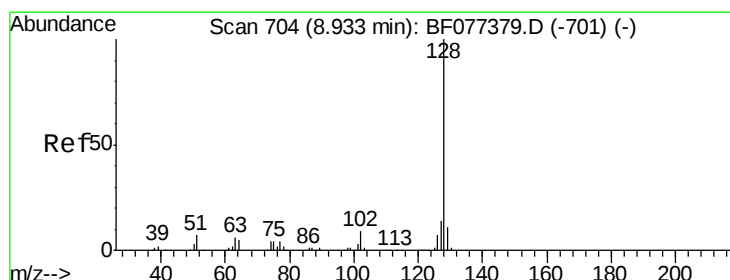
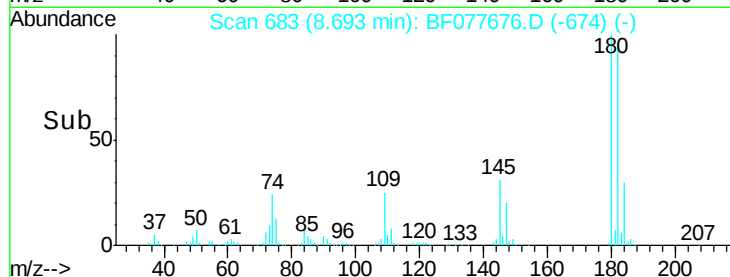
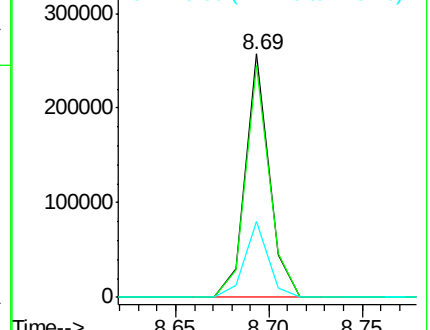
145 31.4 24.5 36.7



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: 91.99 ng

RT: 8.79 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

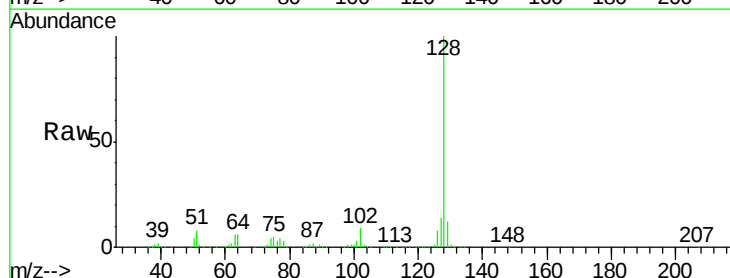
Tgt Ion:128 Resp: 1102715

Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.0

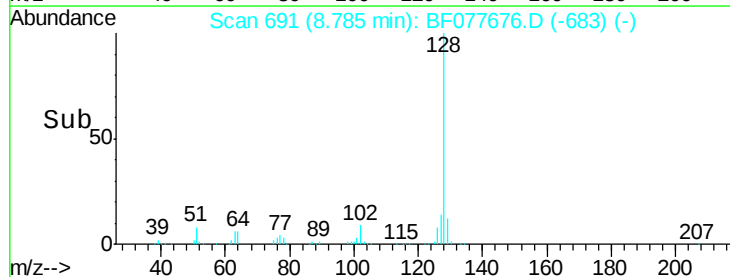
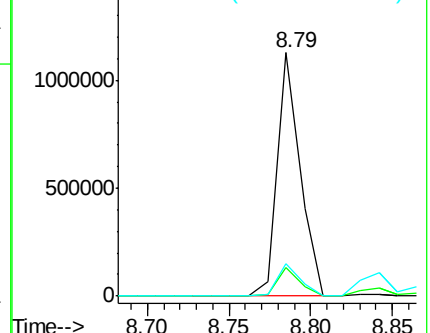
127 13.6 10.6 15.8

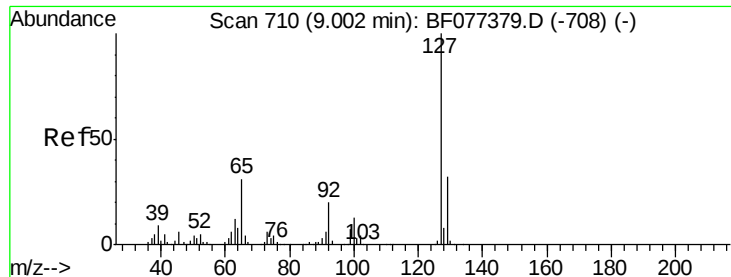


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

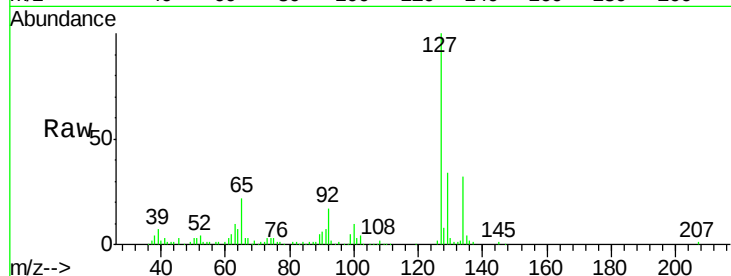




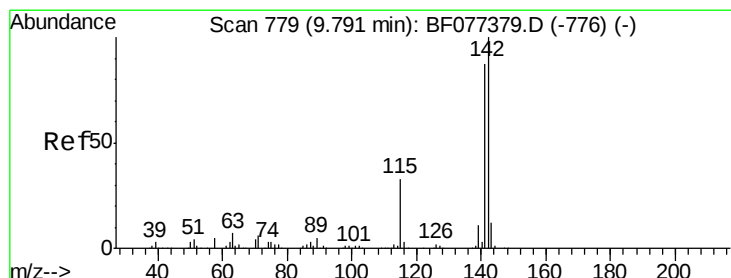
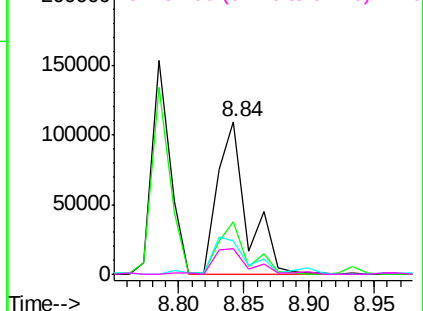
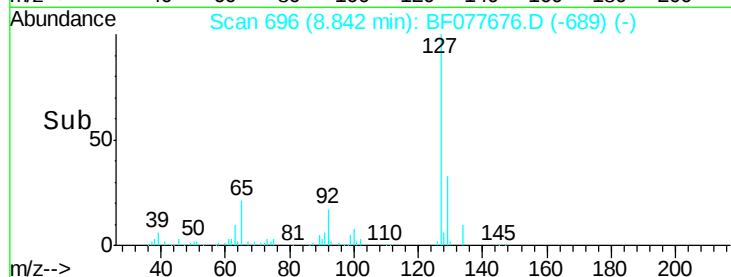
#33
4-Chloroaniline
Concen: 32.18 ng
RT: 8.84 min Scan# 696
Delta R.T. -0.02 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

Instrument :
BNA_F
ClientSampleId :
DCW-WW-085-3915

Tgt Ion:	127	Resp:	171541
Ion	Ratio	Lower	Upper
127	100		
129	34.2	26.9	40.3
65	21.5	16.7	25.1
92	17.0	12.5	18.7

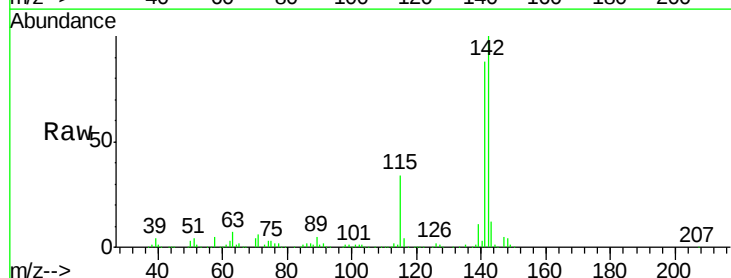


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

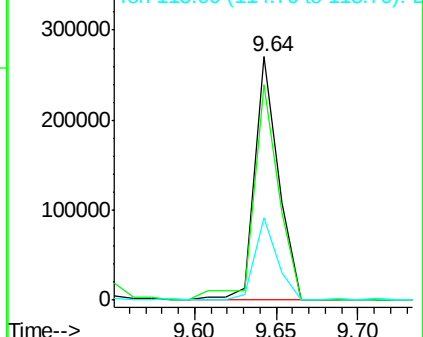
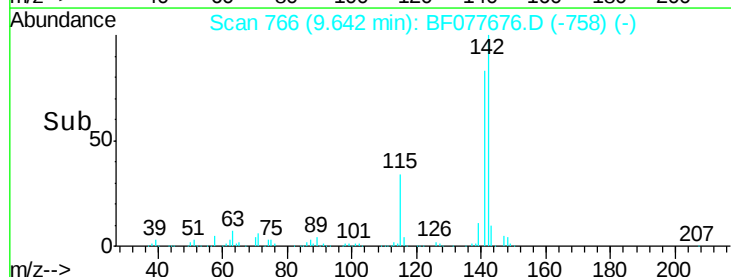


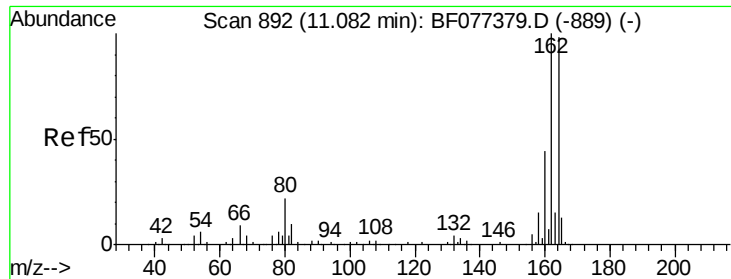
#37
2-Methylnaphthalene
Concen: 32.17 ng
RT: 9.64 min Scan# 766
Delta R.T. -0.00 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

Tgt Ion:	142	Resp:	273895
Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.7	106.1
115	33.7	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

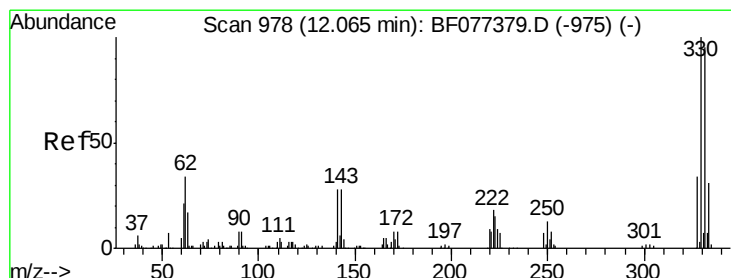
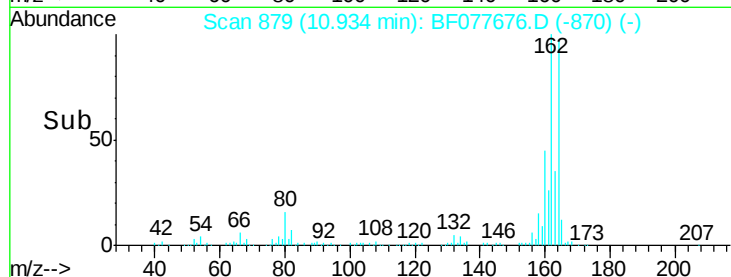
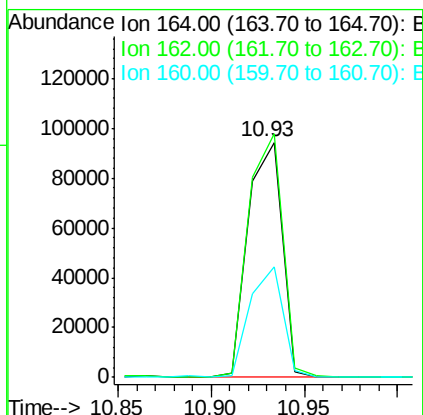
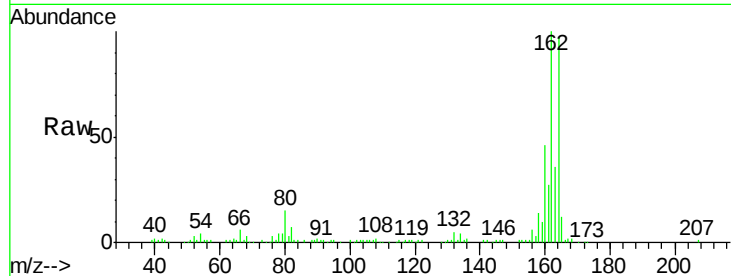




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

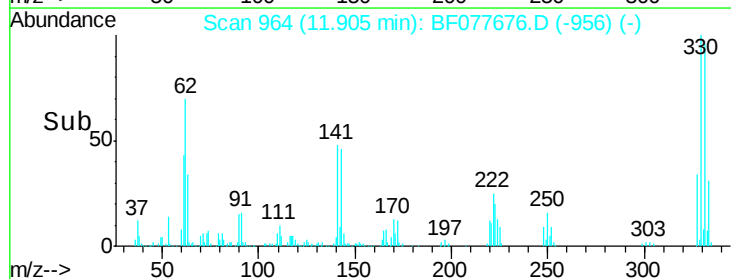
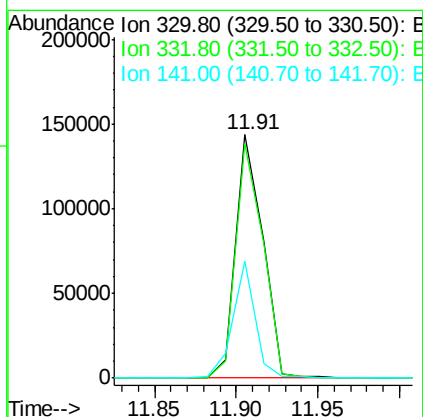
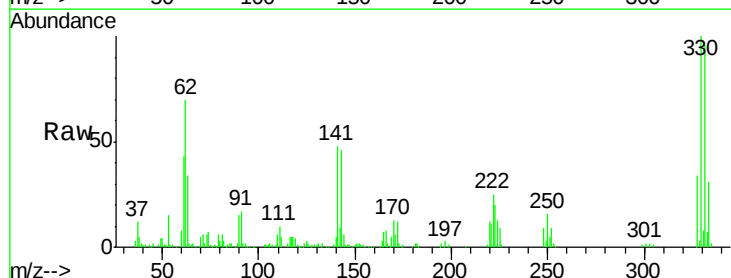
Instrument :
BNA_F
ClientSampleId :
DCW-WW-085-3915

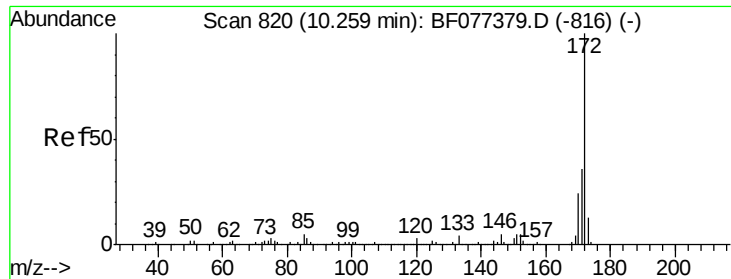
Tgt Ion:164 Resp: 121421
Ion Ratio Lower Upper
164 100
162 103.5 83.2 124.8
160 47.2 34.6 52.0



#41
2,4,6-Tribromophenol
Concen: 140.45 ng
RT: 11.91 min Scan# 964
Delta R.T. -0.00 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

Tgt Ion:330 Resp: 164209
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.2
141 39.6 28.8 43.2

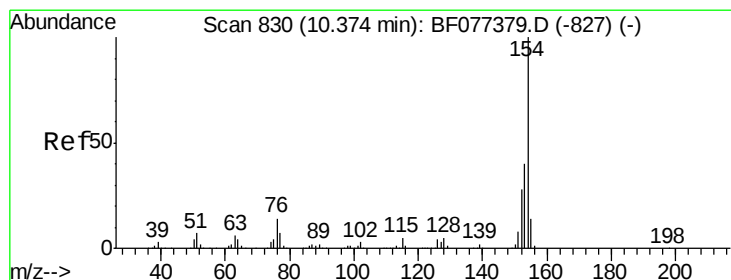
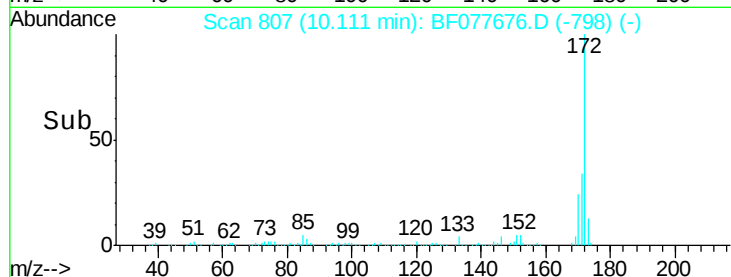
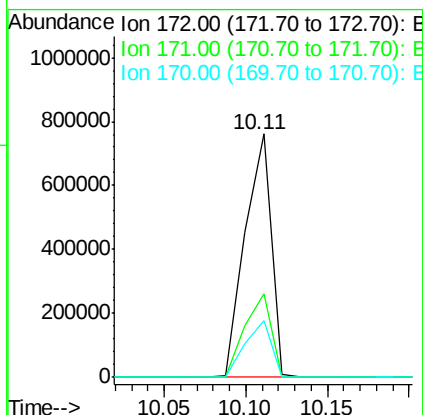
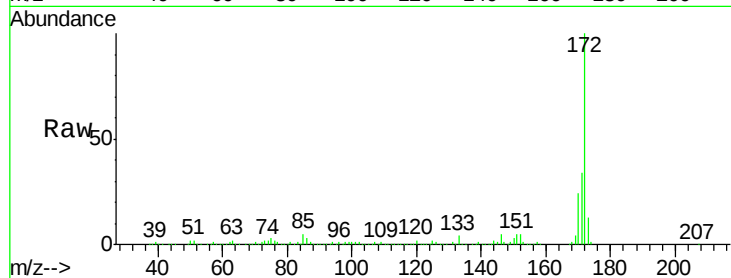




#44
 2-Fluorobiphenyl
 Concen: 108.70 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

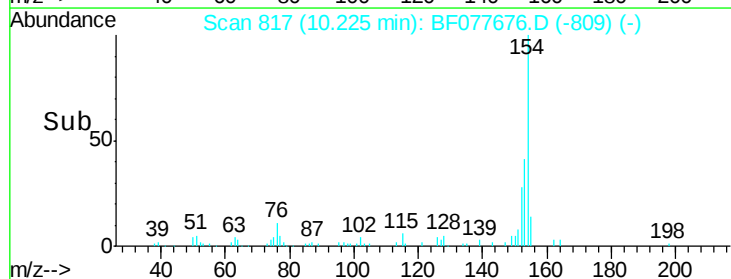
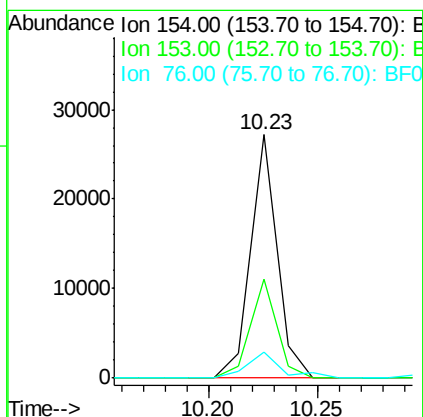
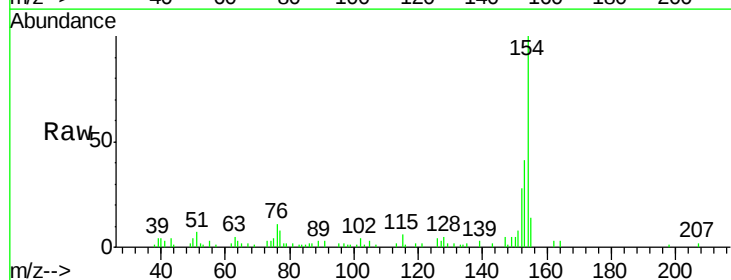
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-085-3915

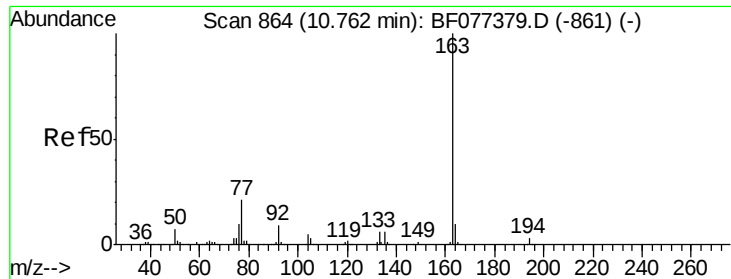
Tgt Ion:172 Resp: 846480
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.9 43.3
 170 23.5 19.4 29.2



#45
 1,1'-Biphenyl
 Concen: 2.50 ng
 RT: 10.23 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

Tgt Ion:154 Resp: 23035
 Ion Ratio Lower Upper
 154 100
 153 40.6 20.2 60.2
 76 10.5 0.0 29.4





#49

Dimethylphthalate

Concen: 2.78 ng

RT: 10.61 min Scan# 851

Delta R.T. -0.01 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

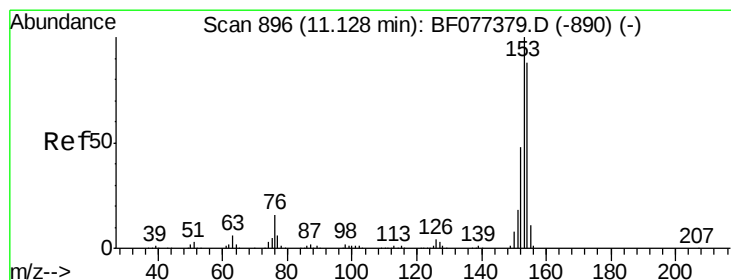
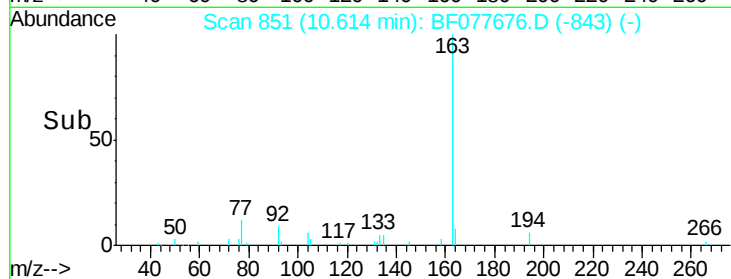
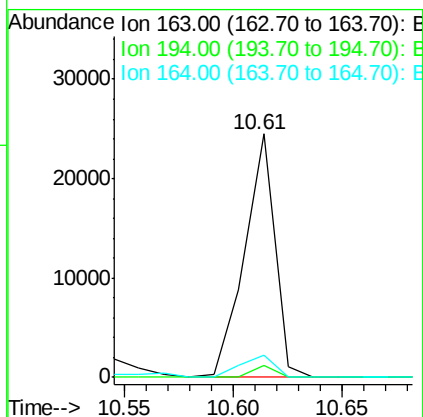
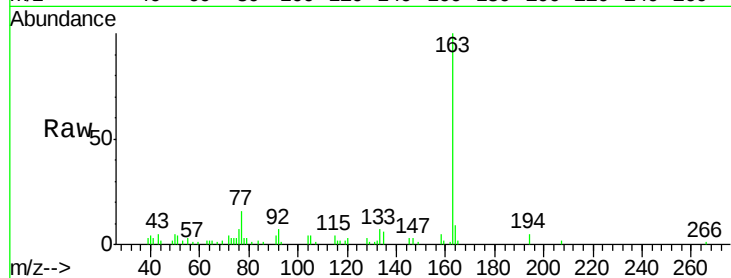
Instrument :

BNA_F

ClientSampleId :

DCW-WW-085-3915

Tgt Ion:	163	Resp:	23761
Ion	Ratio	Lower	Upper
163	100		
194	4.9	2.6	4.0#
164	9.1	8.6	13.0



#51

Acenaphthene

Concen: 10.47 ng

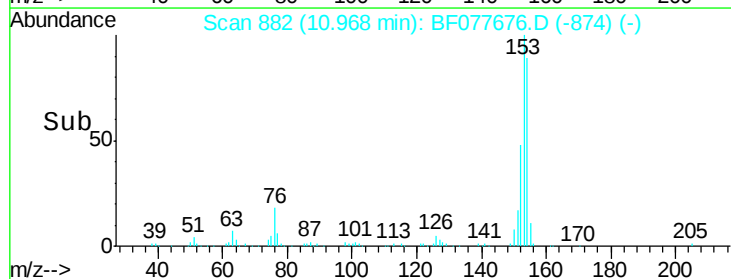
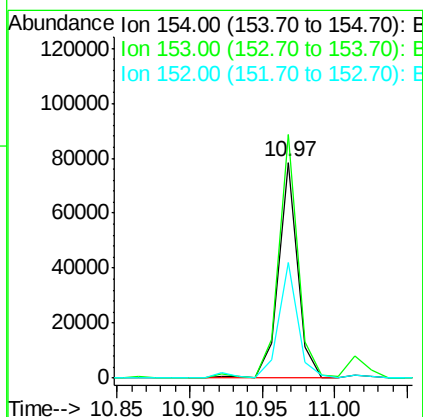
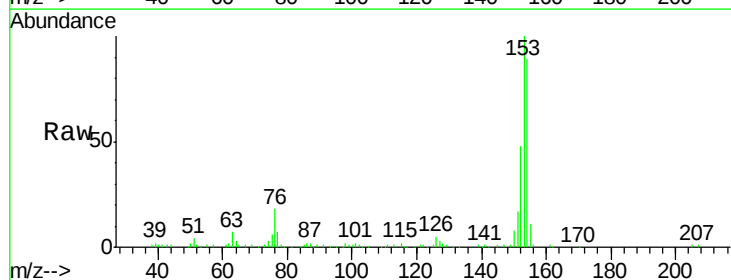
RT: 10.97 min Scan# 882

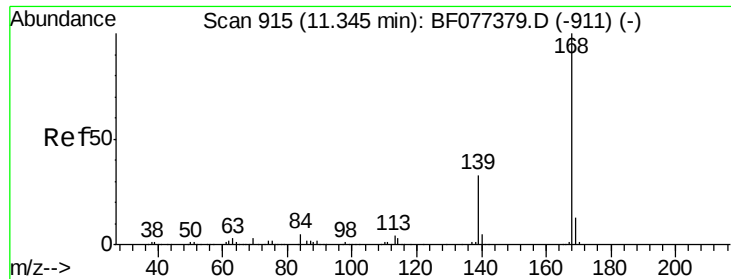
Delta R.T. -0.01 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

Tgt Ion:	154	Resp:	71342
Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.5	135.7
152	53.6	43.5	65.3

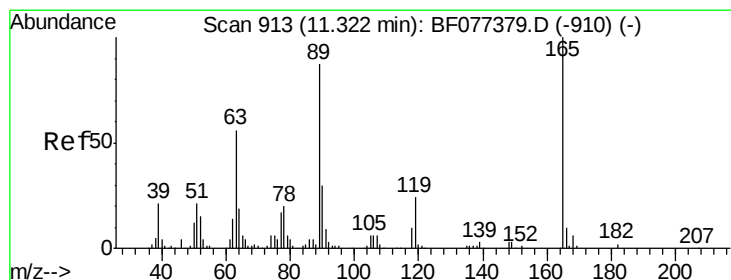
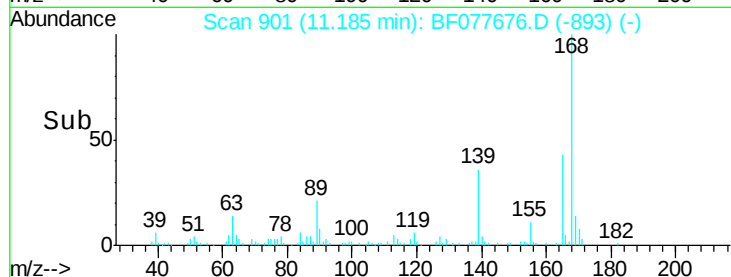
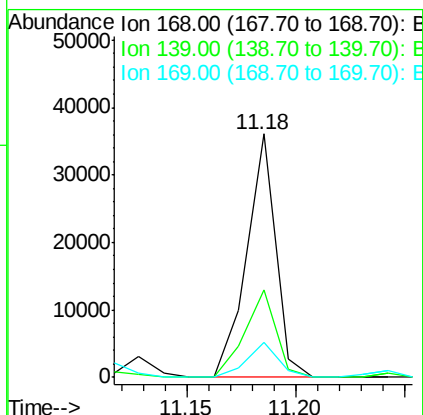
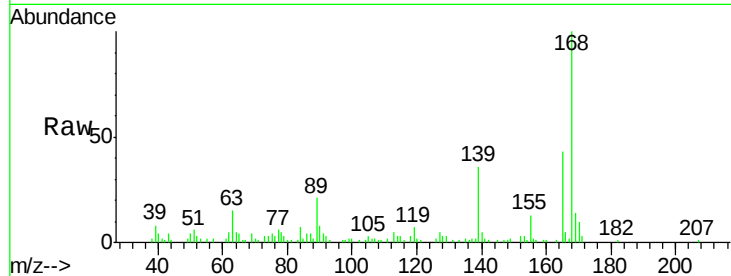




#54
Dibenzofuran
Concen: 3.18 ng
RT: 11.18 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

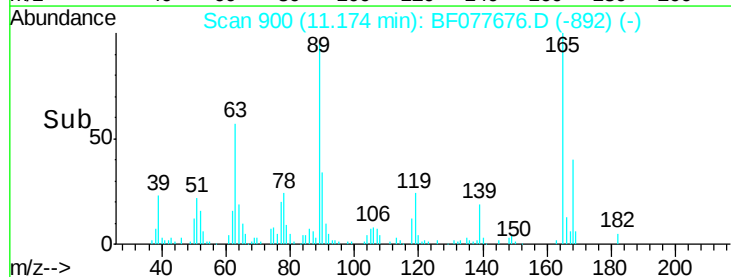
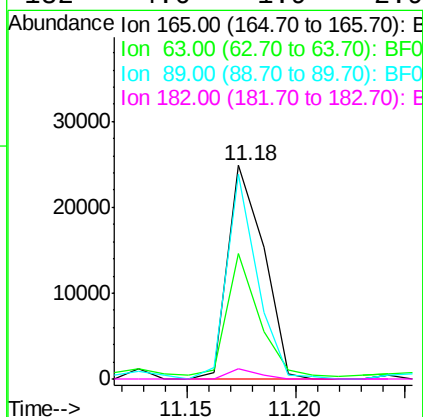
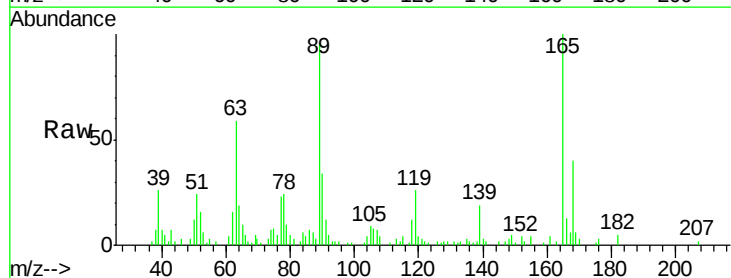
Instrument :
BNA_F
ClientSampleId :
DCW-WW-085-3915

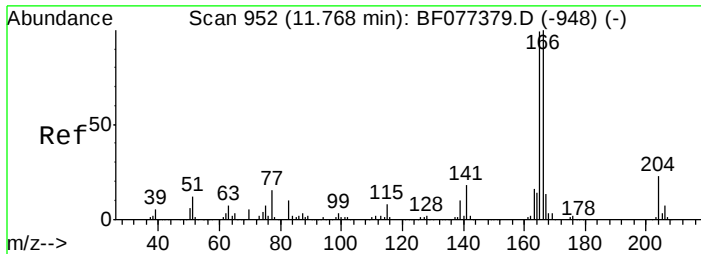
Tgt Ion:168 Resp: 33439
Ion Ratio Lower Upper
168 100
139 36.1 29.3 43.9
169 14.4 10.9 16.3



#56
2,4-Dinitrotoluene
Concen: 12.33 ng
RT: 11.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

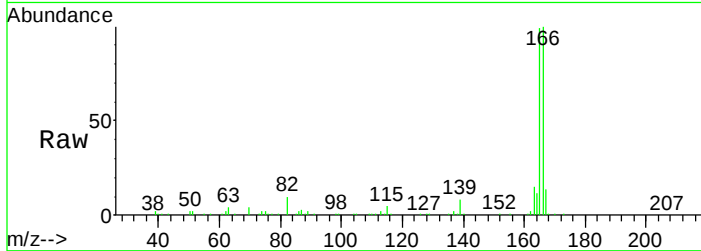
Tgt Ion:165 Resp: 28518
Ion Ratio Lower Upper
165 100
63 58.8 29.8 44.8#
89 96.0 48.5 72.7#
182 4.6 1.9 2.9#



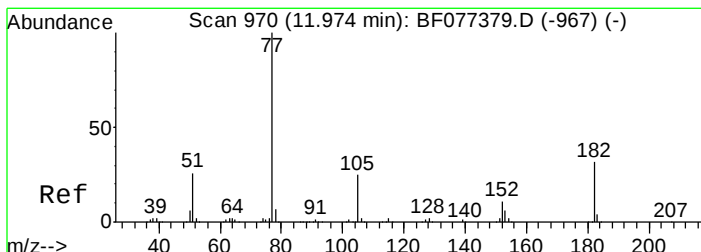
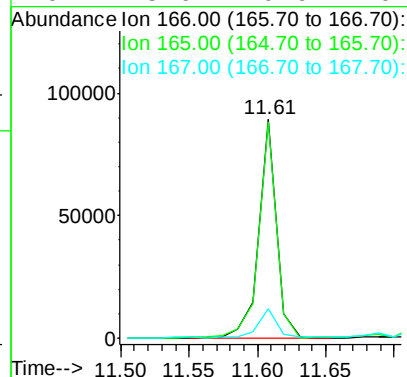
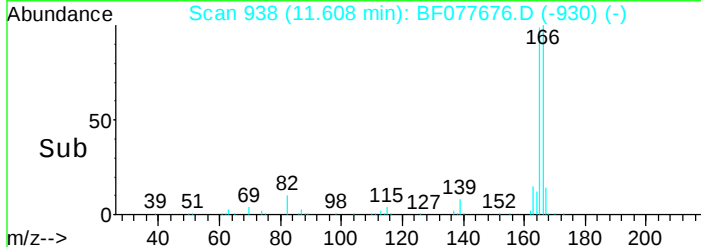


#57
 Fluorene
 Concen: 9.70 ng
 RT: 11.61 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

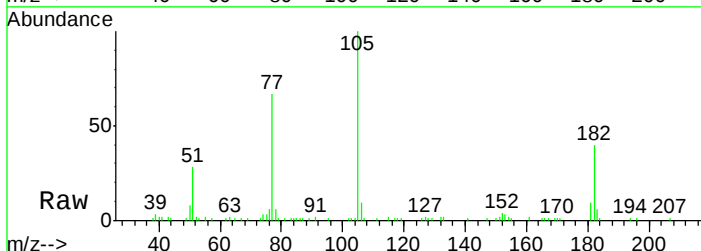
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-085-3915



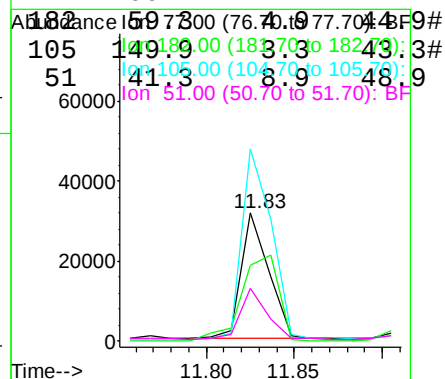
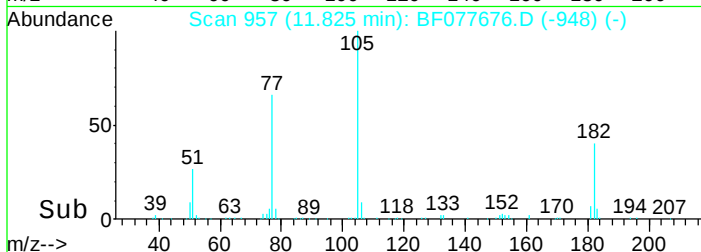
Tgt Ion:166 Resp: 81570
 Ion Ratio Lower Upper
 166 100
 165 98.6 77.6 116.4
 167 13.6 10.6 16.0

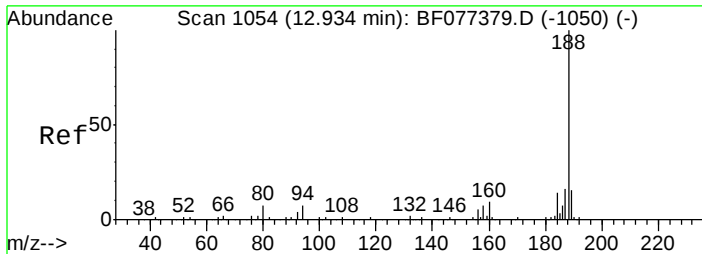


#62
 Azobenzene
 Concen: 4.34 ng
 RT: 11.83 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26



Tgt Ion: 77 Resp: 34668
 Ion Ratio Lower Upper
 77 100

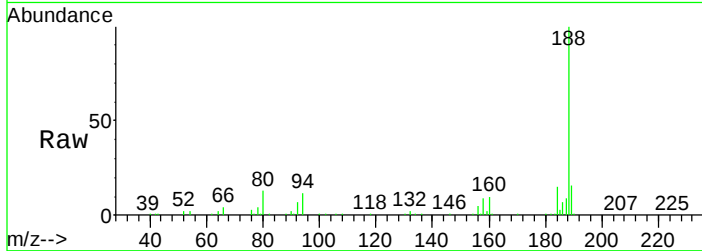




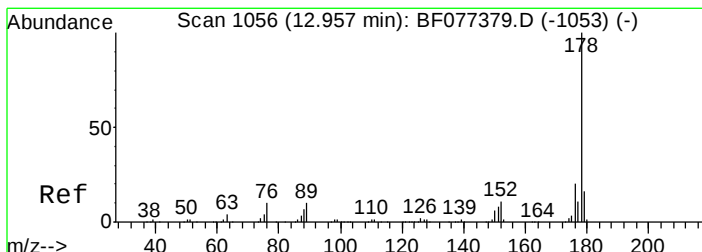
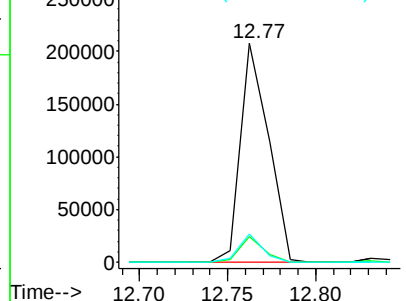
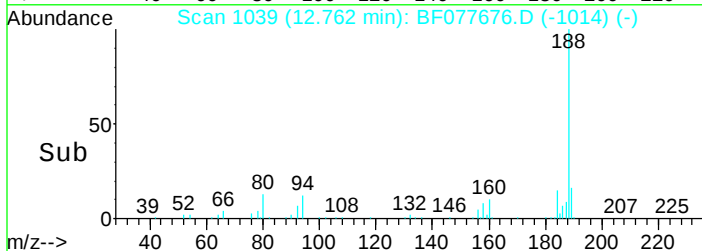
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.77 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-085-3915

Tgt Ion:188 Resp: 230975
 Ion Ratio Lower Upper
 188 100
 94 11.8 7.4 11.2#
 80 12.9 8.0 12.0#

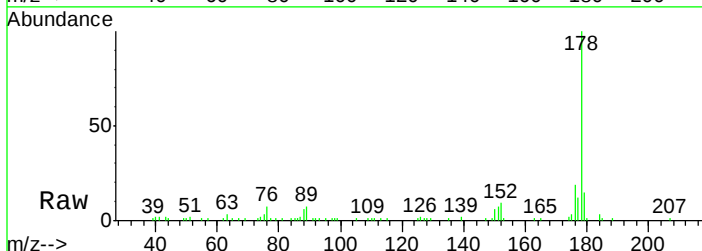


Abundance Ion 188.00 (187.70 to 188.70):

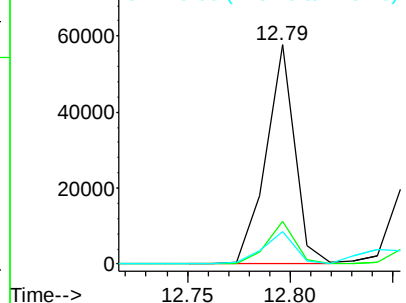
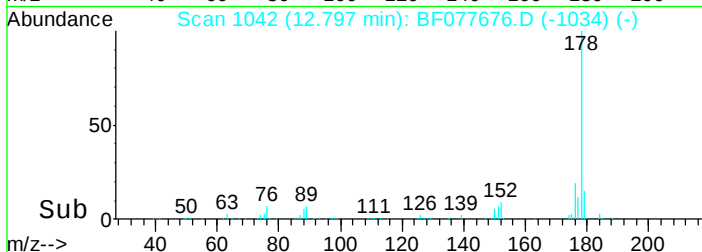


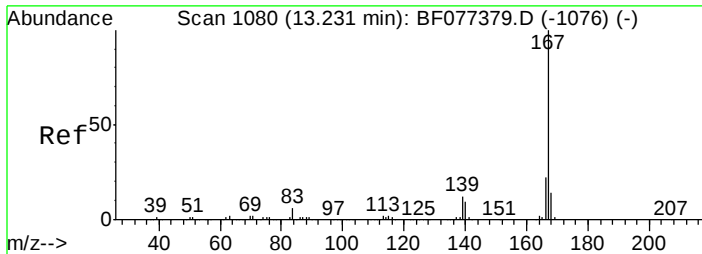
#70
 Phenanthrene
 Concen: 4.15 ng
 RT: 12.79 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

Tgt Ion:178 Resp: 55605
 Ion Ratio Lower Upper
 178 100



Abundance Ion 178.00 (177.70 to 178.70):

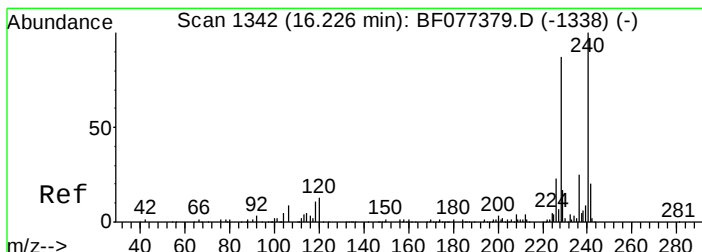
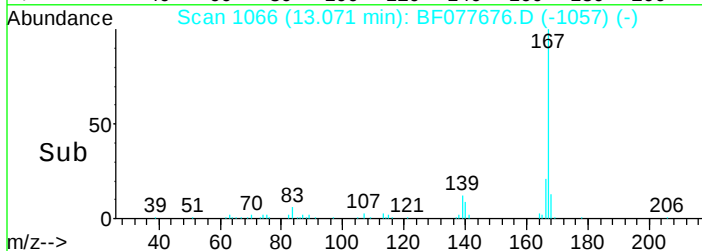
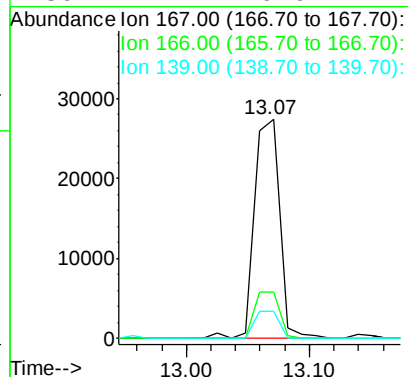
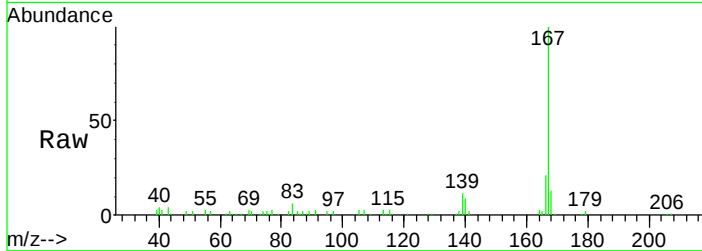




#72
 Carbazole
 Concen: 3.08 ng
 RT: 13.07 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

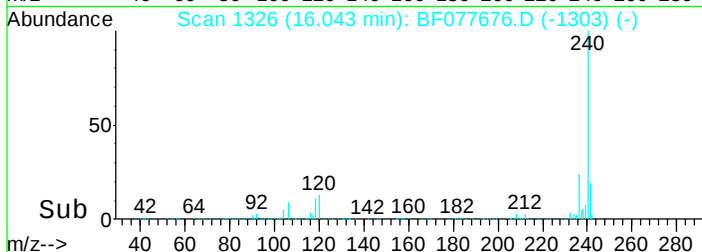
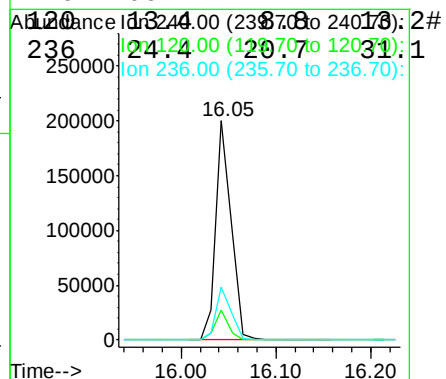
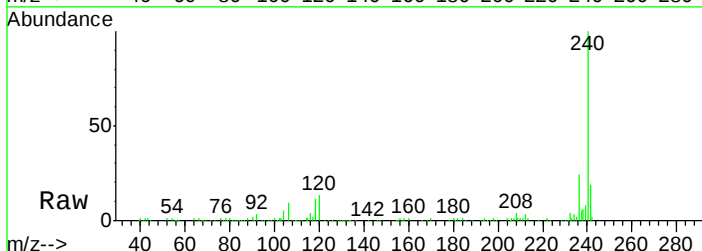
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-085-3915

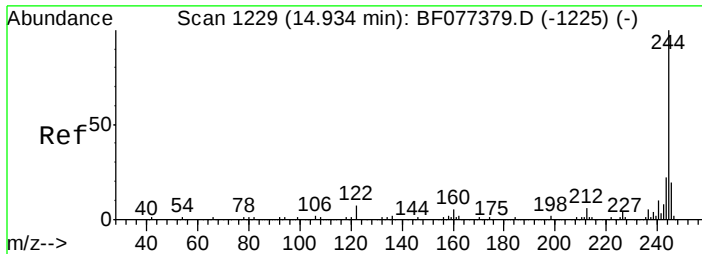
Tgt Ion:167 Resp: 38880
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.6 26.4
 139 12.2 9.9 14.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.05 min Scan# 1326
 Delta R.T. -0.04 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

Tgt Ion:240 Resp: 227260
 Ion Ratio Lower Upper
 240 100

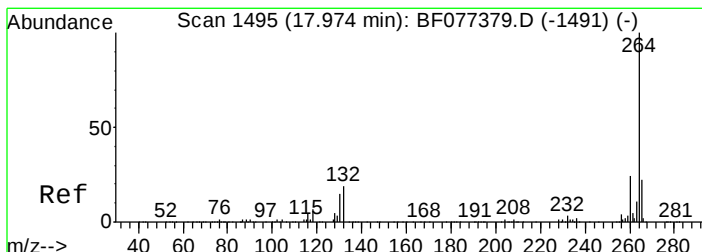
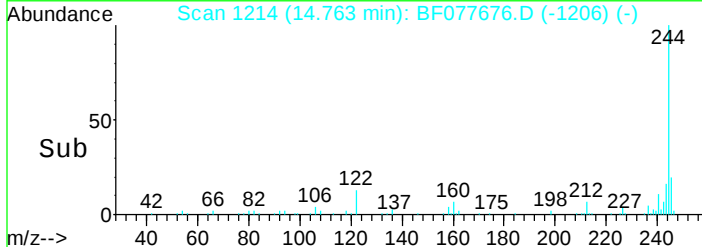
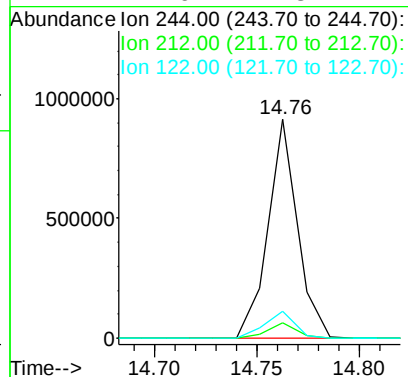
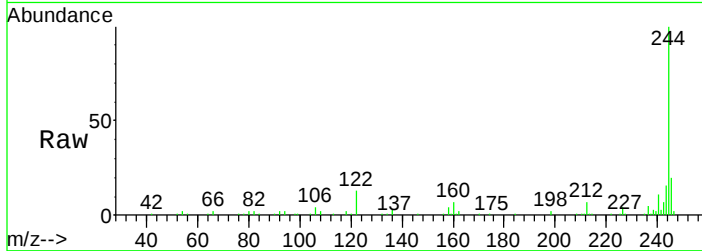




#78
 Terphenyl-d14
 Concen: 93.27 ng
 RT: 14.76 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-085-3915

Tgt Ion:244 Resp: 906687
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.2 7.8
 122 12.6 7.8 11.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.75 min Scan# 1475
 Delta R.T. -0.16 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

Tgt Ion:264 Resp: 229516
 Ion Ratio Lower Upper
 264 100

