

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 11:21:50 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

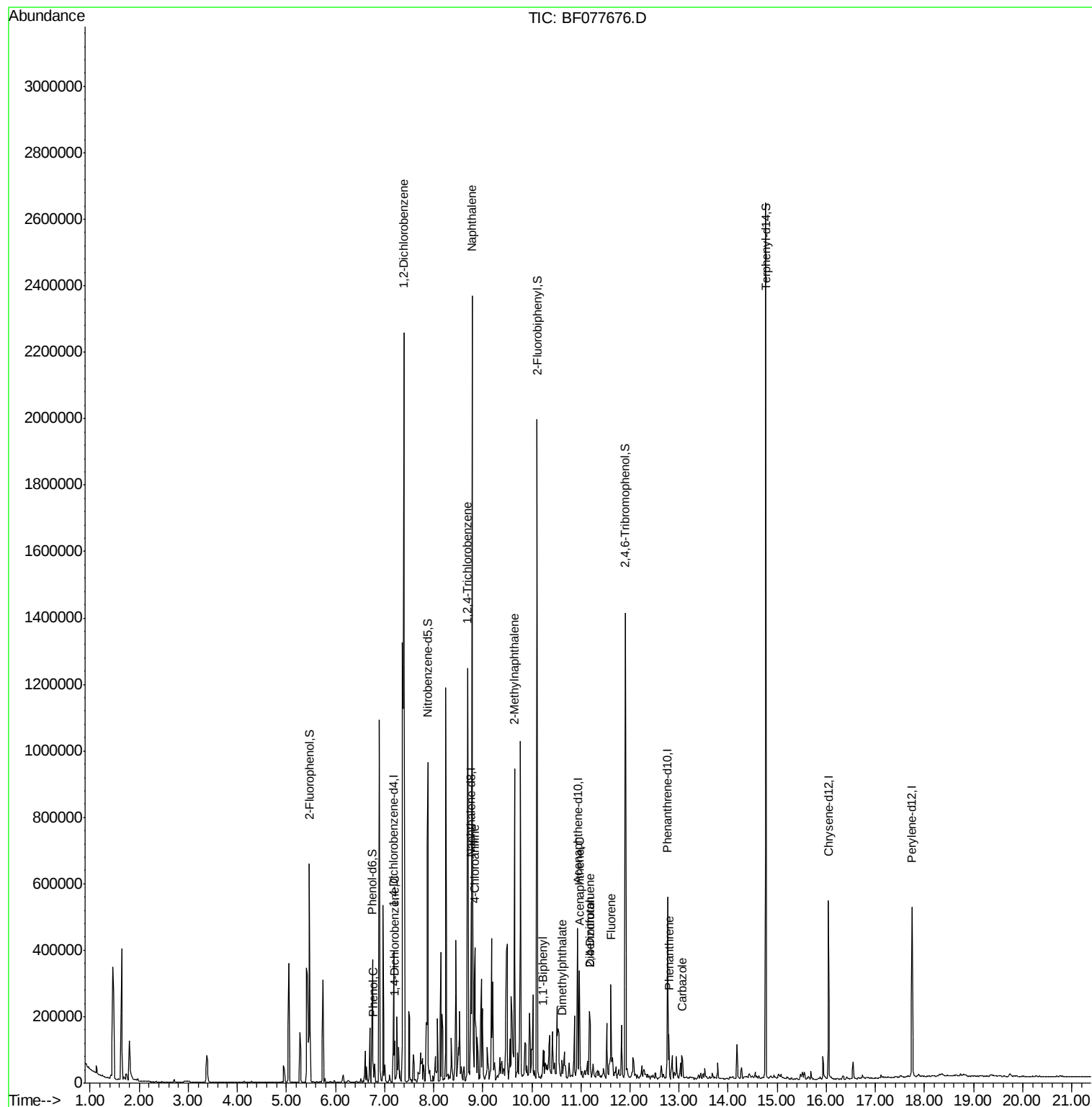
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	60714	20.00	ng	0.00
21) Naphthalene-d8	8.76	136	239715	20.00	ng	0.00
38) Acenaphthene-d10	10.93	164	121421	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	230975	20.00	ng	0.00
75) Chrysene-d12	16.05	240	227260	20.00	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
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
70) Phenanthrene	12.79	178	55605	4.15	ng	99
72) Carbazole	13.07	167	38880	3.08	ng	98

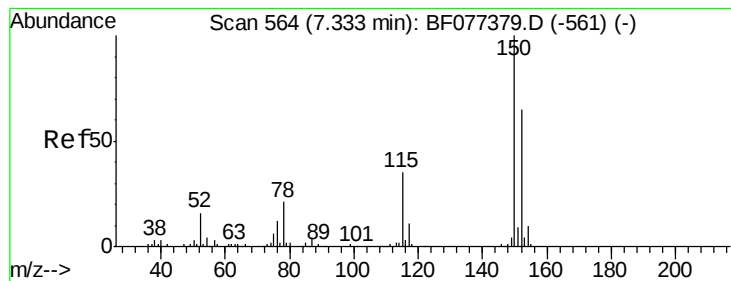
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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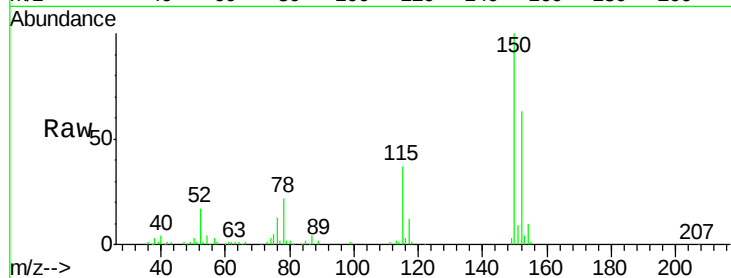


#1

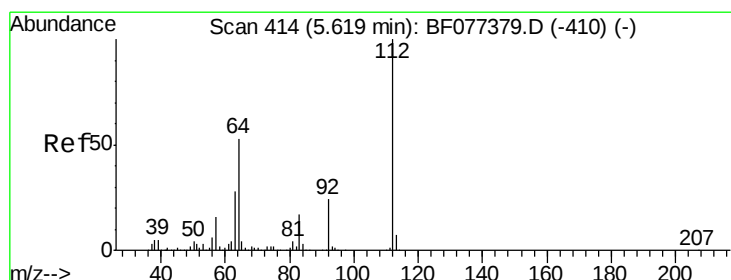
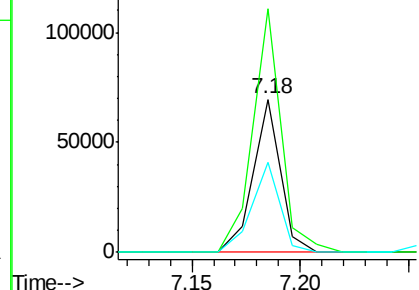
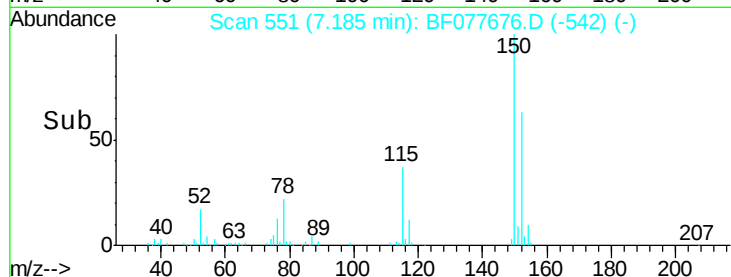
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.18 min Scan# 551
Delta R.T. -0.00 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

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

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



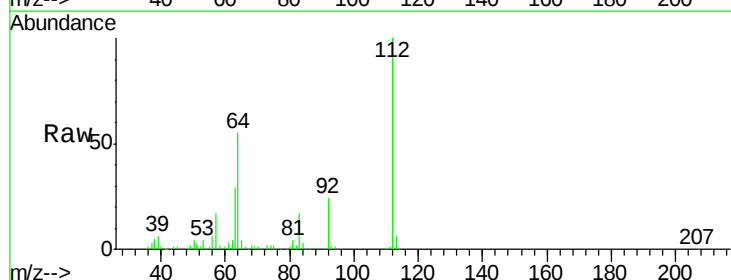
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



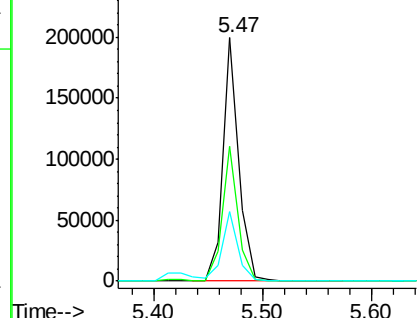
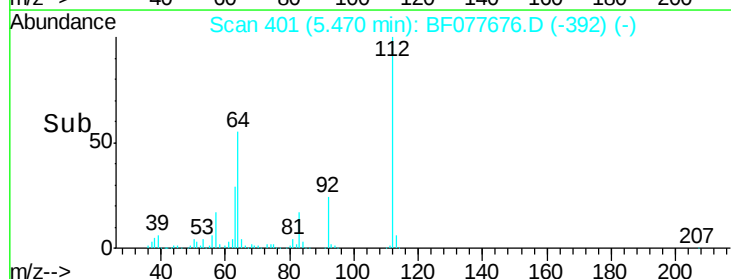
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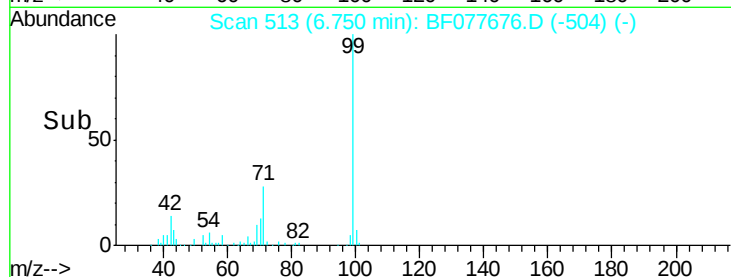
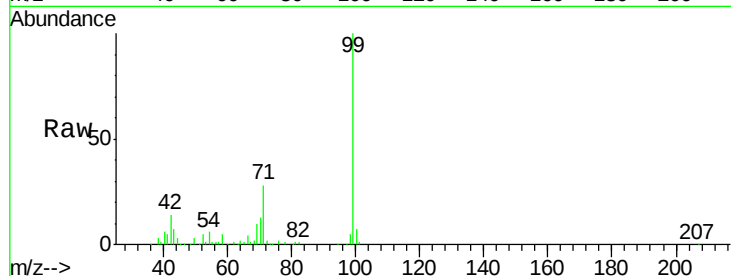
2-Fluorophenol
Concen: 56.30 ng
RT: 5.47 min Scan# 401
Delta R.T. 0.00 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

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

Instrument :

BNA_F

ClientSampleId :

DCW-WW-085-3915

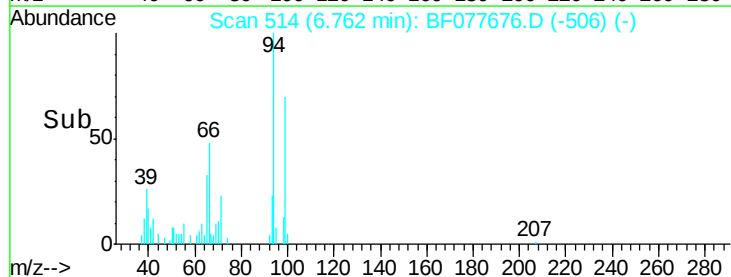
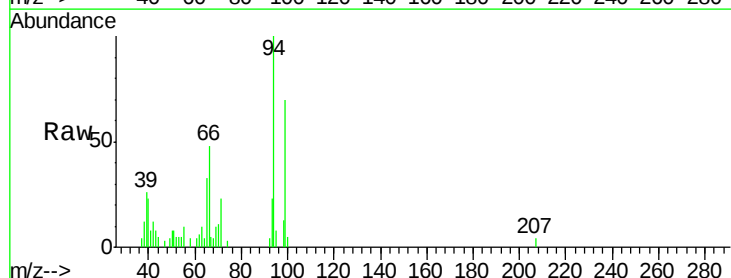
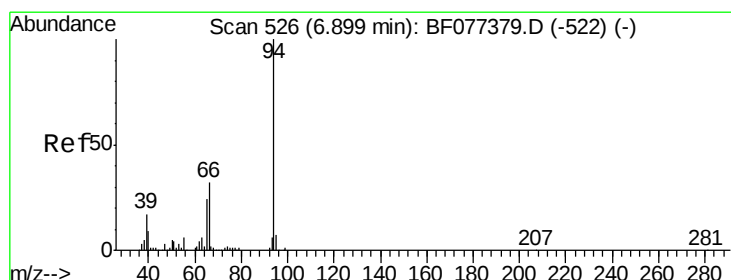
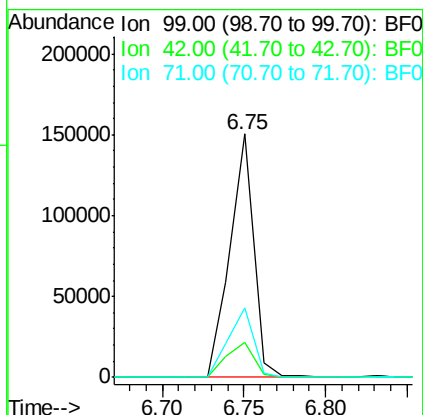
Tot Ion: 99 Resp: 151052

Ion Ratio Lower Upper

99 100

42 14.1 16.2 24.4#

71 28.4 26.7 40.1



#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

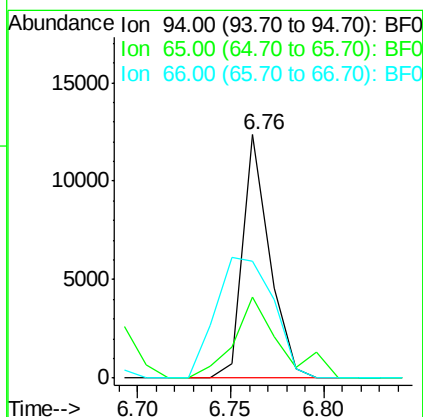
Tgt Ion: 94 Resp: 12433

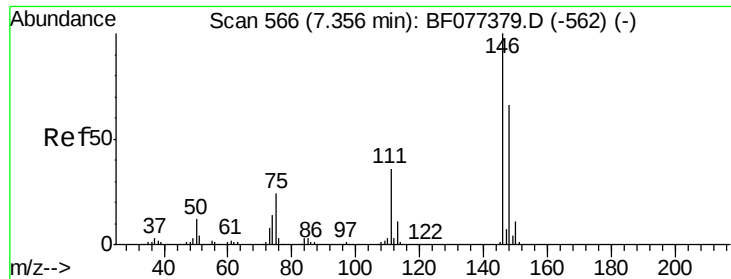
Ion Ratio Lower Upper

94 100

65 33.4 5.7 45.7

66 48.2 13.6 53.6

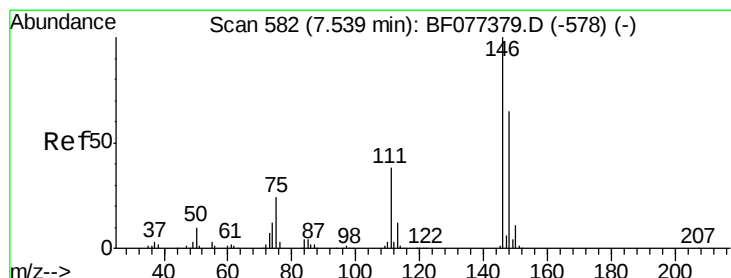
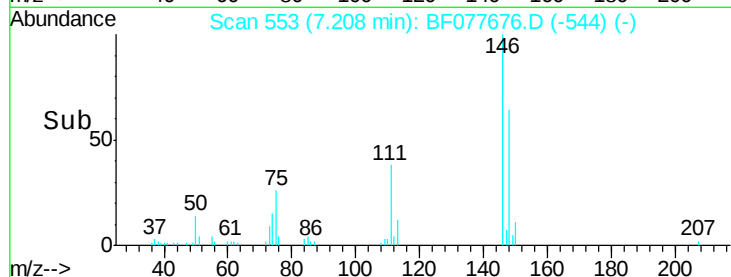
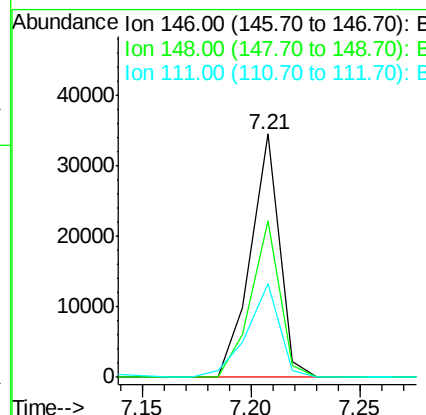
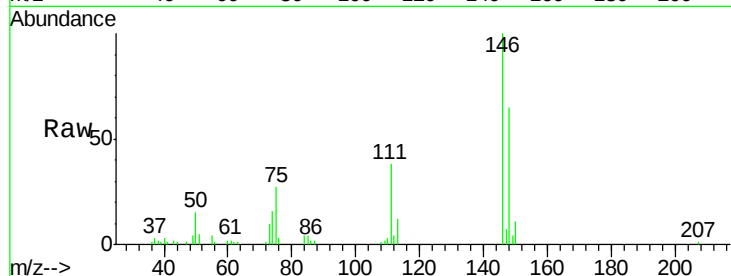




#13
 1,4-Dichlorobenzene
 Concen: 6.73 ng
 RT: 7.21 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

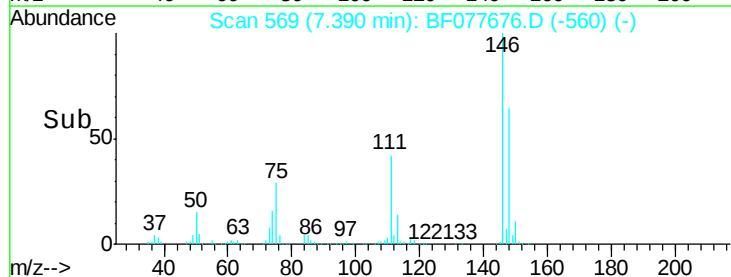
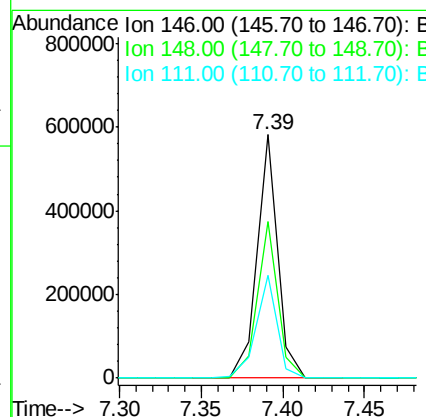
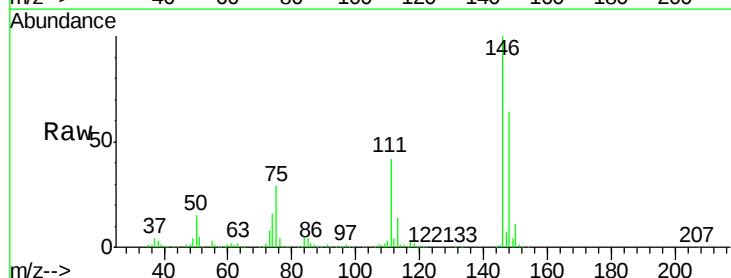
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-085-3915

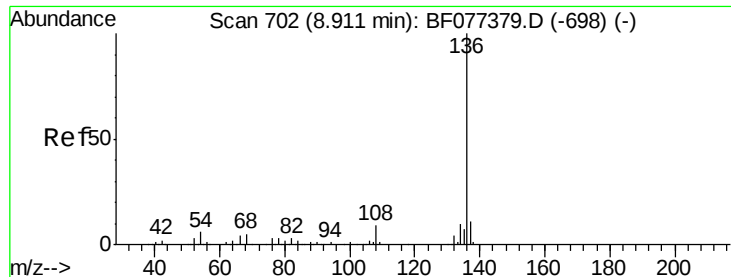
Tot Ion:146 Resp: 32000
 Ion Ratio Lower Upper
 146 100
 148 64.5 52.0 78.0
 111 38.5 31.9 47.9



#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





#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

Instrument :

BNA_F

ClientSampleId :

DCW-WW-085-3915

Tot Ion:136 Resp: 239715

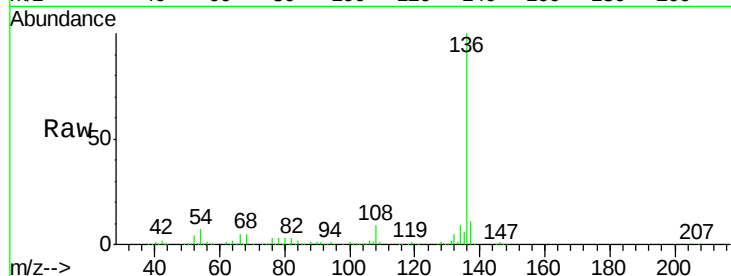
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 6.7 6.2 9.4

68 5.4 5.0 7.6

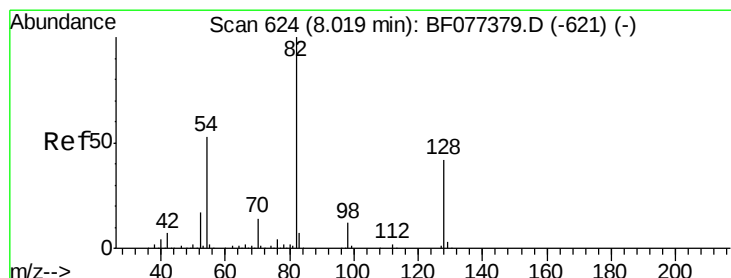
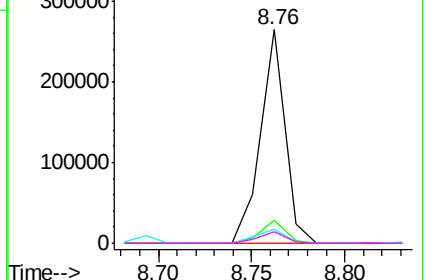
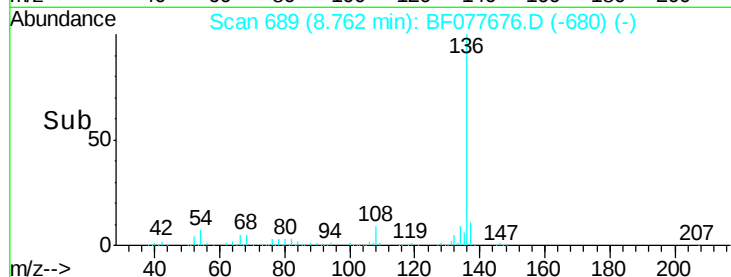


Abundance Ion 136.00 (135.70 to 136.70): E

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

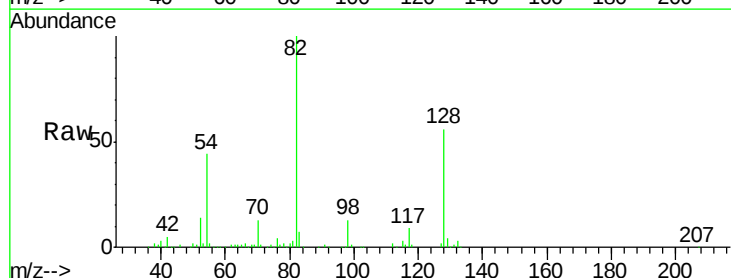
Tgt Ion: 82 Resp: 387286

Ion Ratio Lower Upper

82 100

128 56.5 43.8 65.8

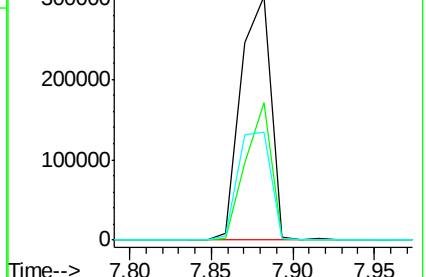
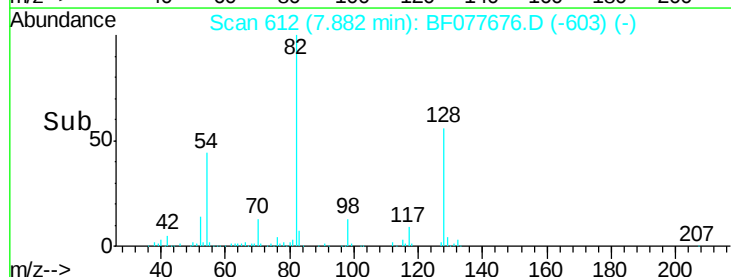
54 44.2 36.7 55.1

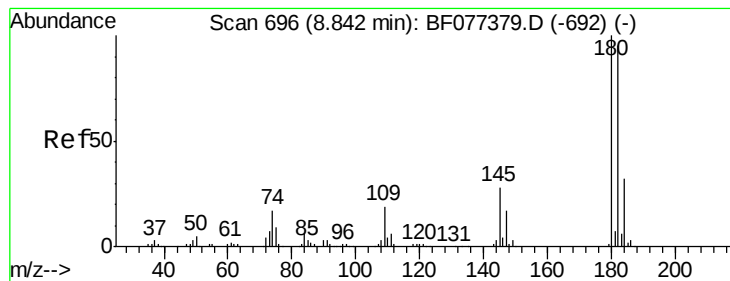


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

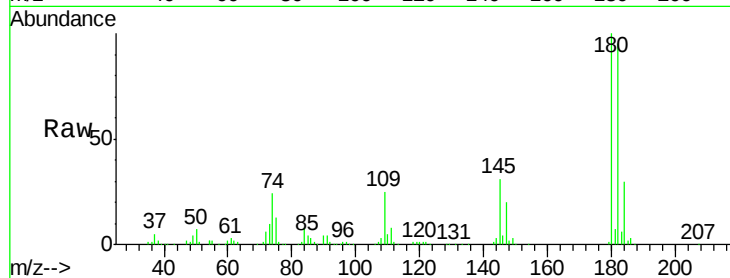




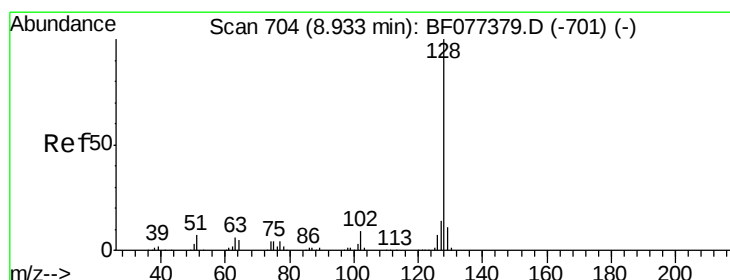
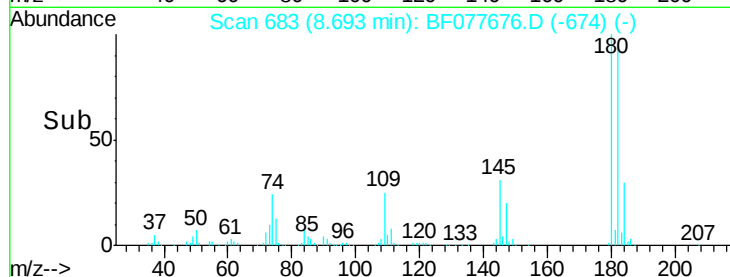
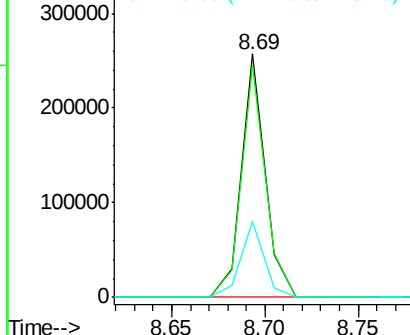
#30
1,2,4-Trichlorobenzene
Concen: 59.50 ng
RT: 8.69 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

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

Tot Ion:180 Resp: 228375
Ion Ratio Lower Upper
180 100
182 95.1 76.2 114.4
145 31.4 24.5 36.7

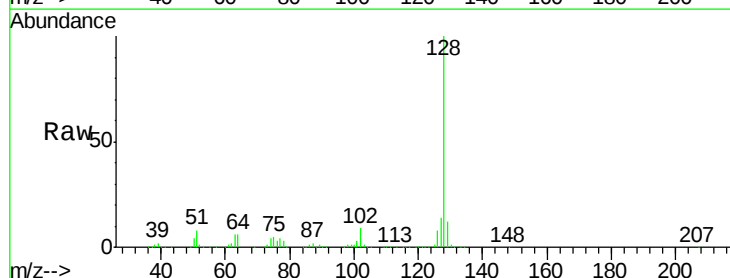


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

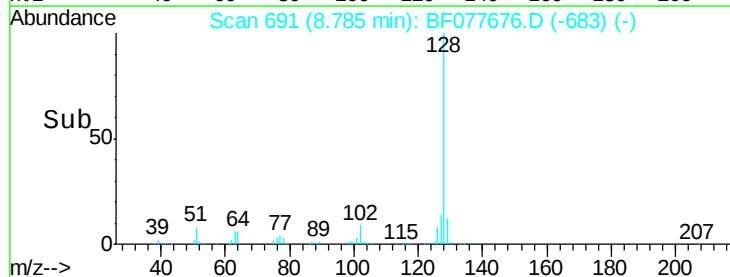
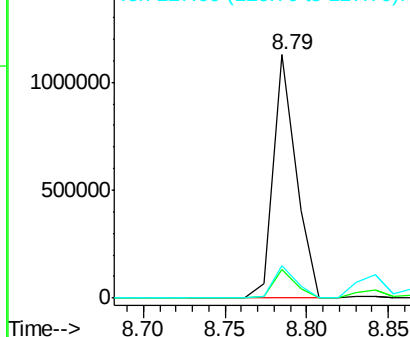


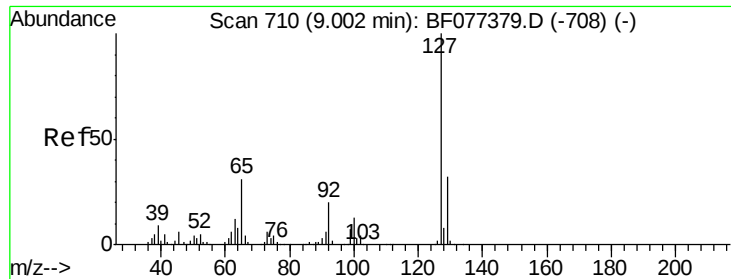
#31
Naphthalene
Concen: 91.99 ng
RT: 8.79 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

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

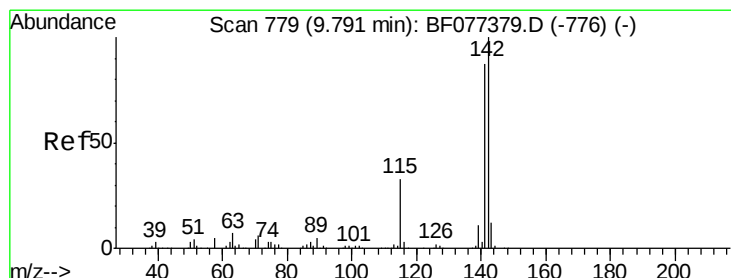
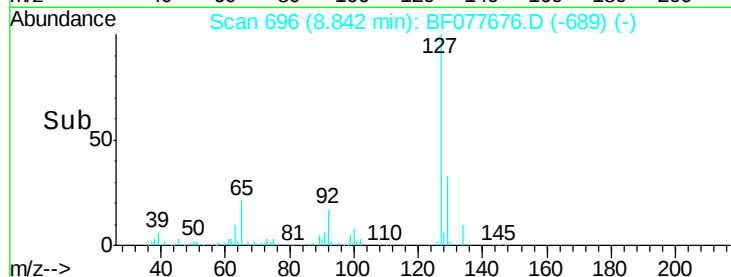
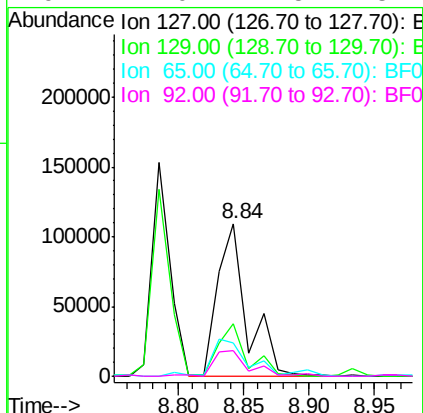
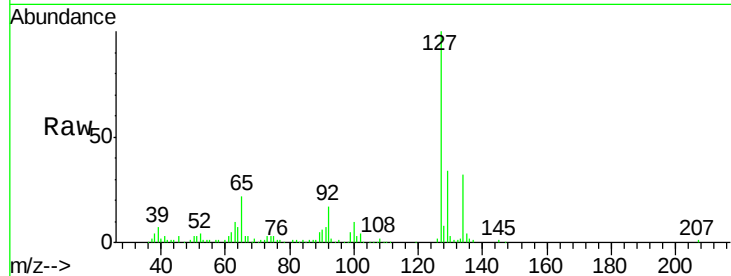




#33
4-Chloroaniline
Concen: 32.18 ng
RT: 8.84 min Scan# 696
Delta R.T. -0.02 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

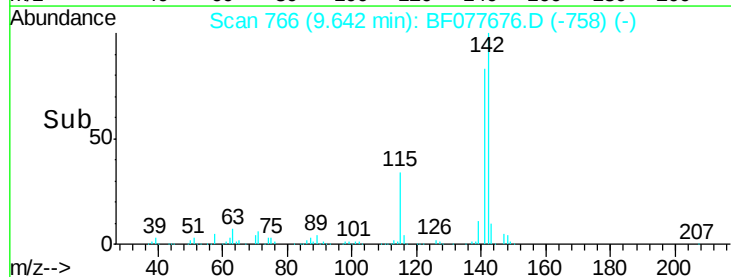
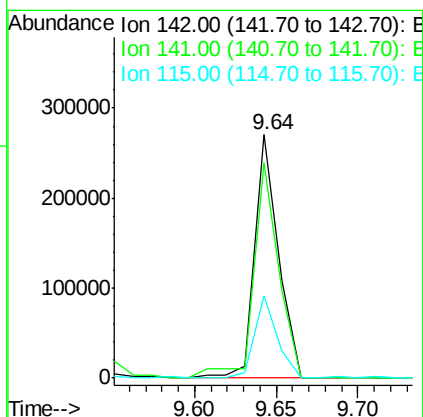
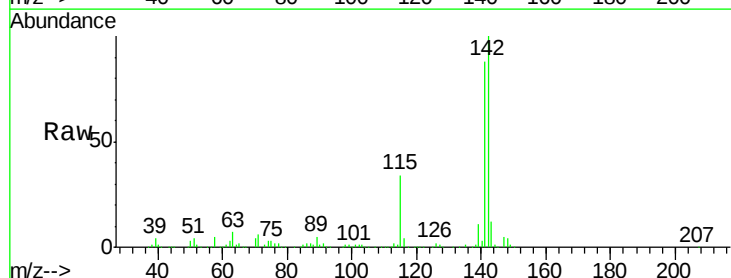
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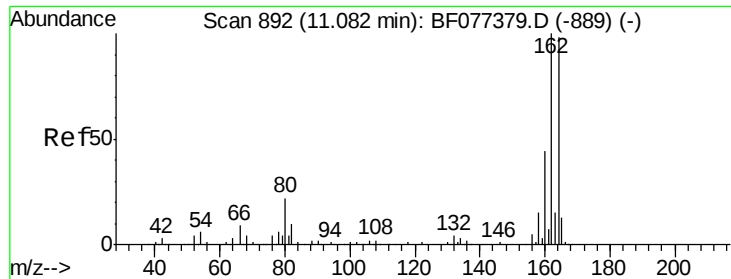
Tot Ion:127	Resp:	171541
Ion Ratio	Lower	Upper
127	100	
129	34.2	26.9 40.3
65	21.5	16.7 25.1
92	17.0	12.5 18.7



#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

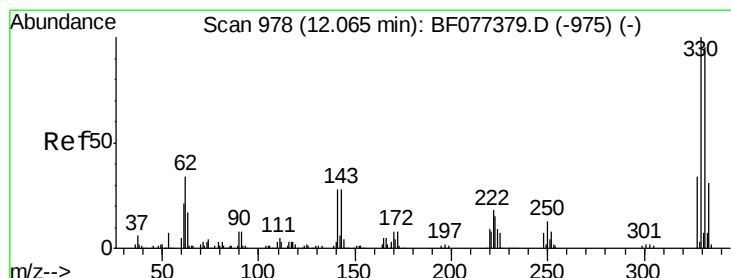
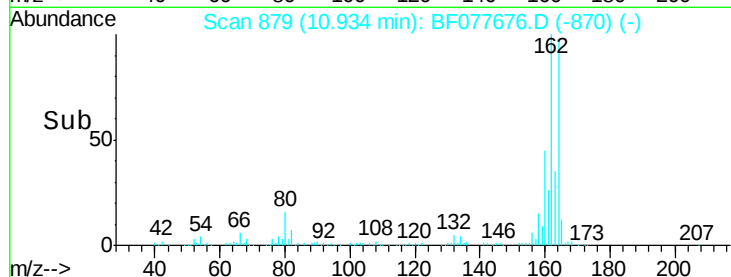
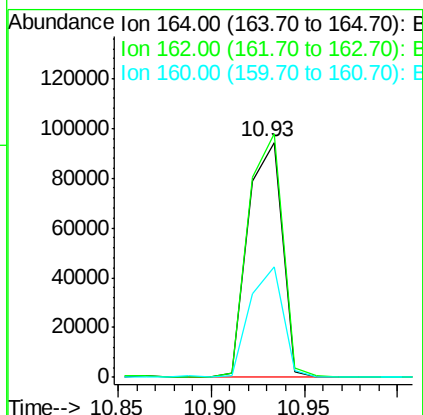
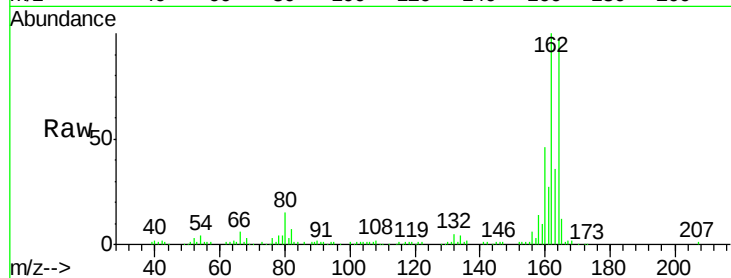




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

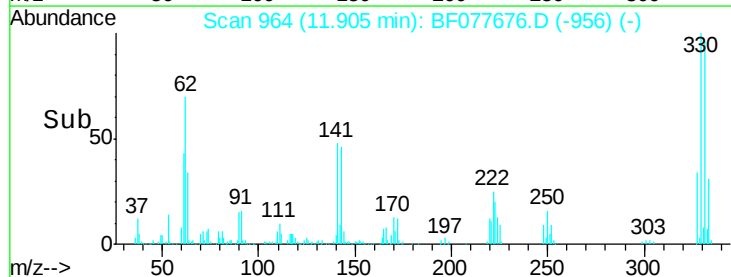
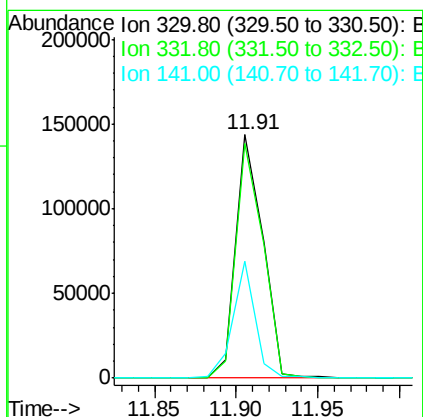
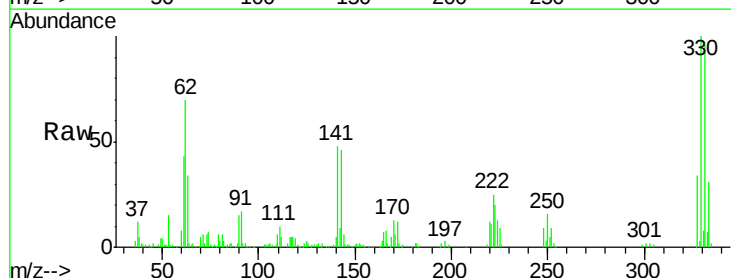
Instrument :
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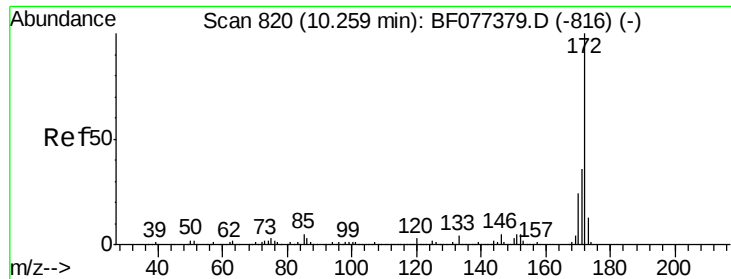
Tot Ion:164 Resp: 121421
Ion Ratio Lower Upper
164 100
162 103.5 83.2 124.8
160 47.2 34.6 52.0



#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

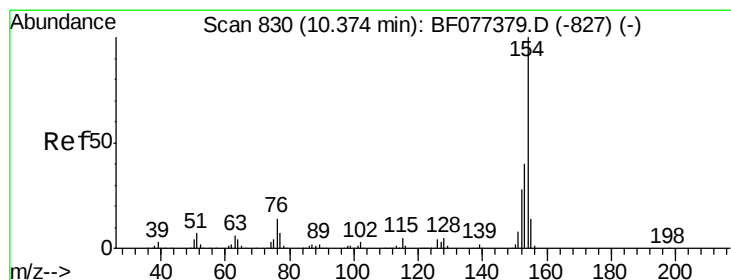
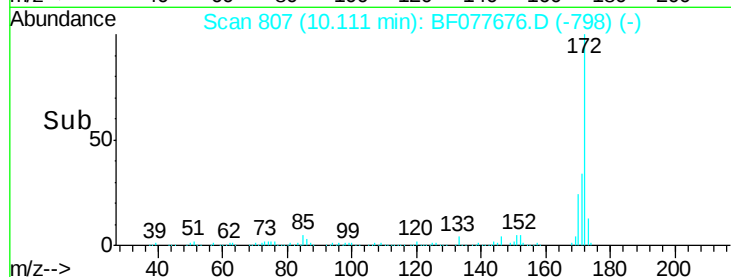
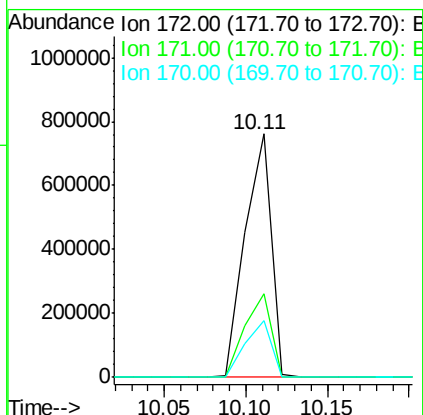
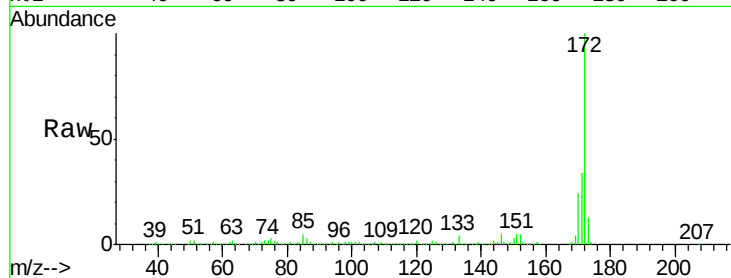




#44
 2-Fluorobiphenyl
 Concen: 108.70 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF077676.D
 Acq: 10 Mar 2015 22:26

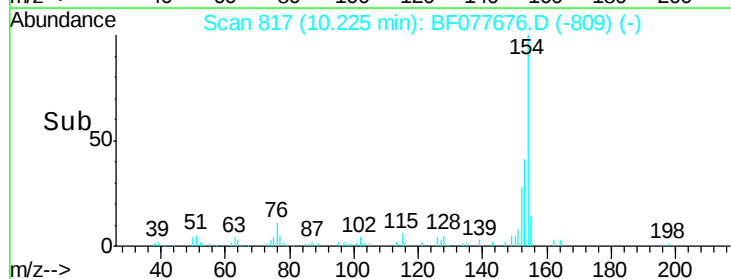
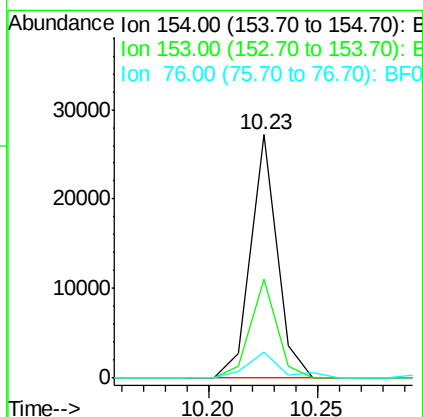
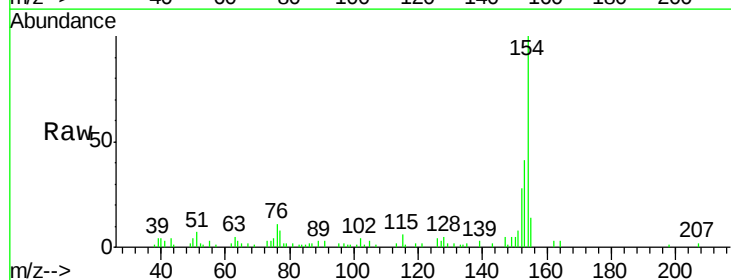
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-085-3915

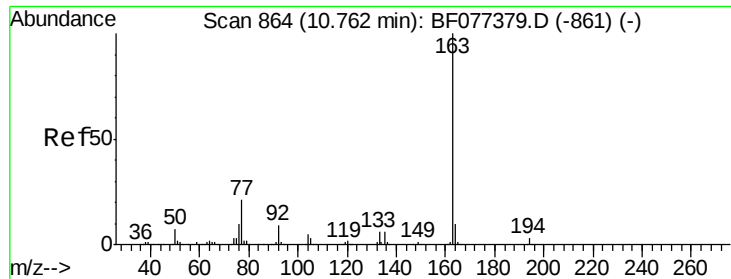
Tot Ion:172 Resp: 846480
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.9 43.3
 170 23.5 19.4 29.2



#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

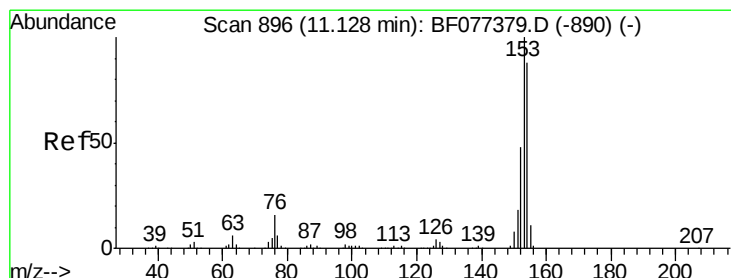
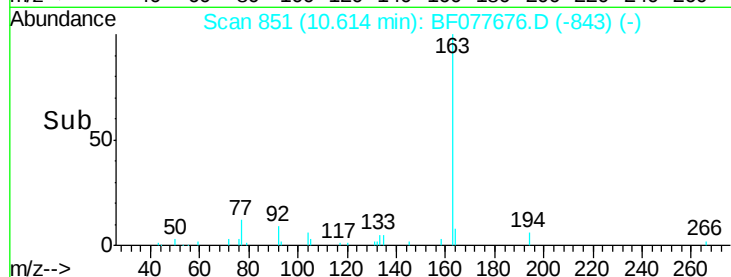
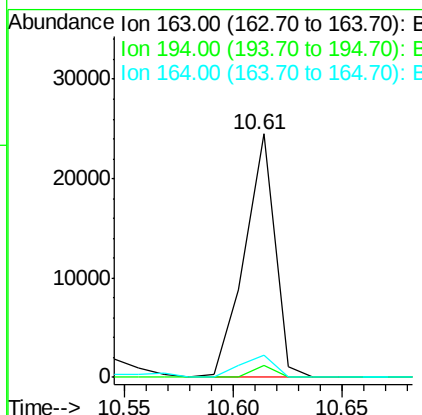
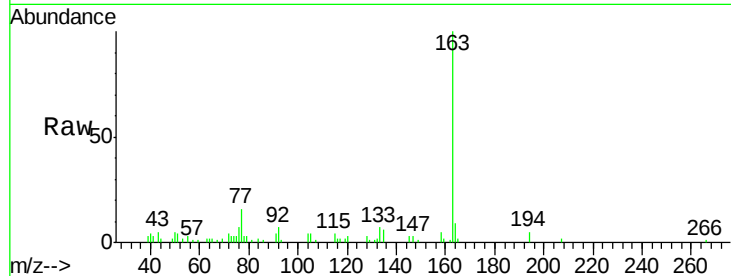




#49
Dimethylphthalate
Concen: 2.78 ng
RT: 10.61 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

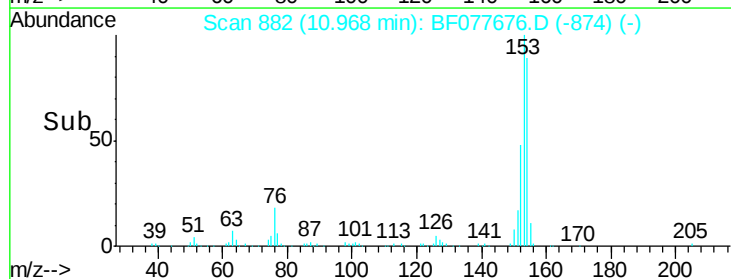
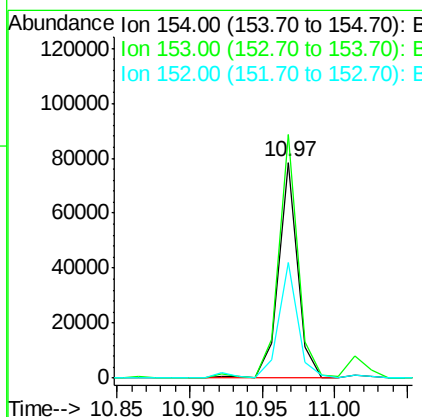
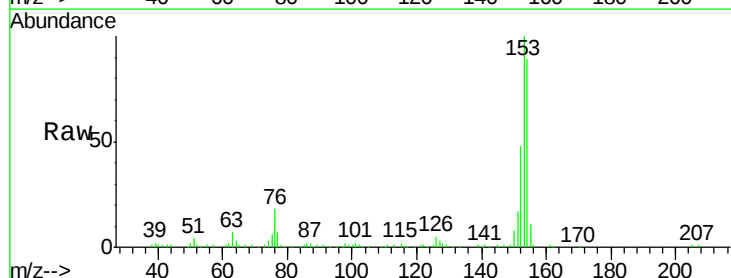
Instrument :
BNA_F
ClientSampleId :
DCW-WW-085-3915

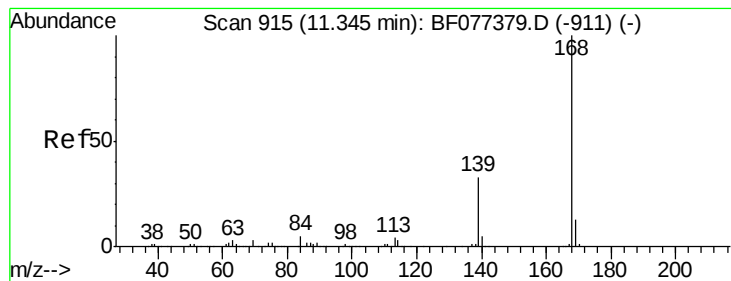
Tot Ion:163 Resp: 23761
Ion Ratio Lower Upper
163 100
194 4.9 2.6 4.0#
164 9.1 8.6 13.0



#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

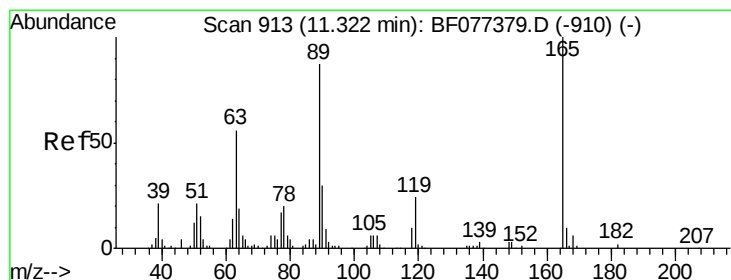
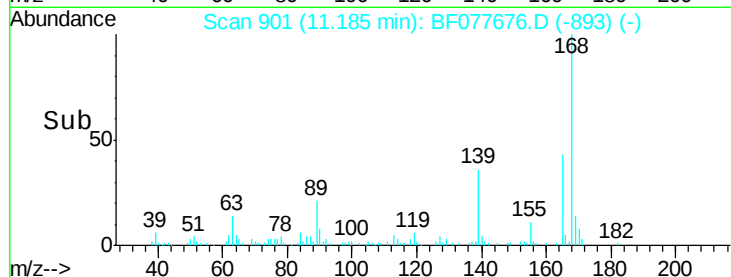
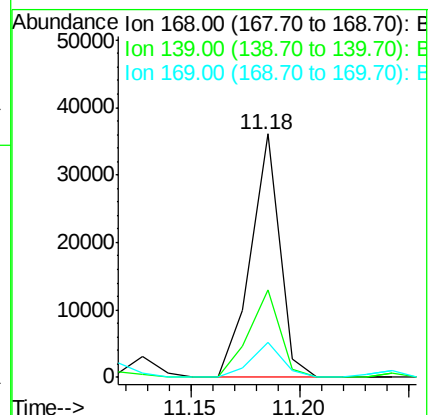
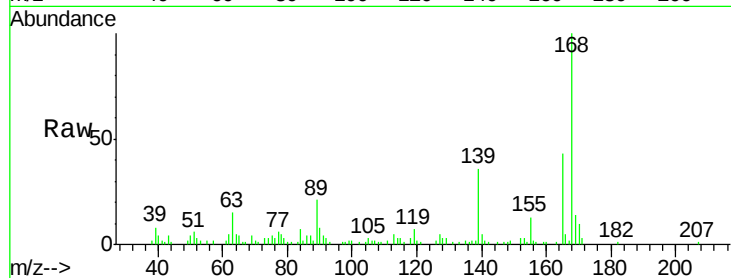
Tot Ion:168 Resp: 33439

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

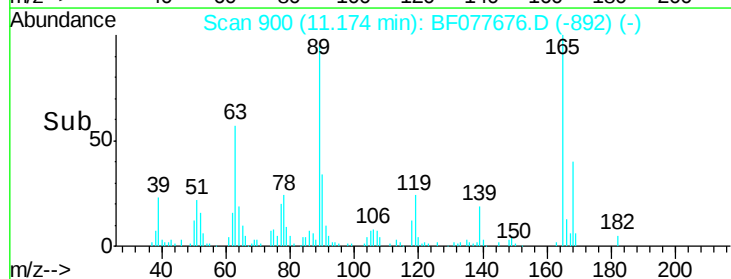
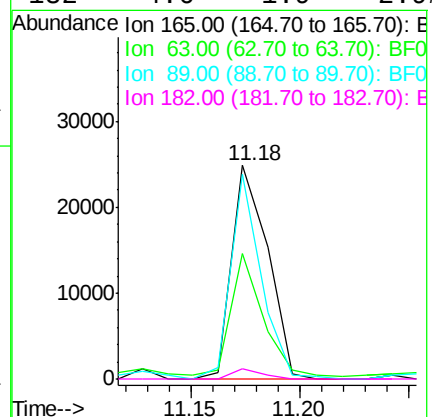
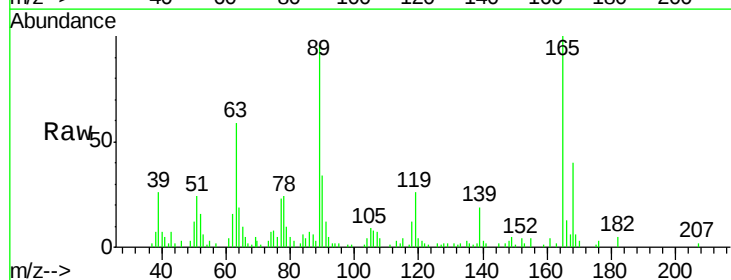
Ion Ratio Lower Upper

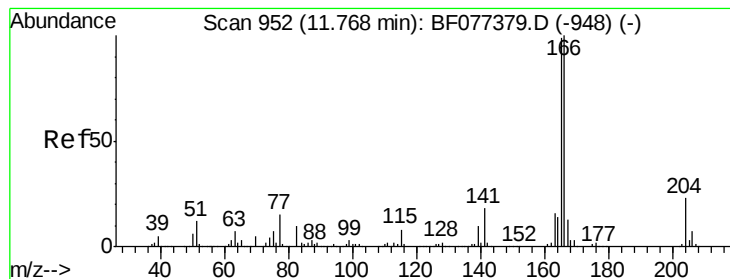
165 100

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

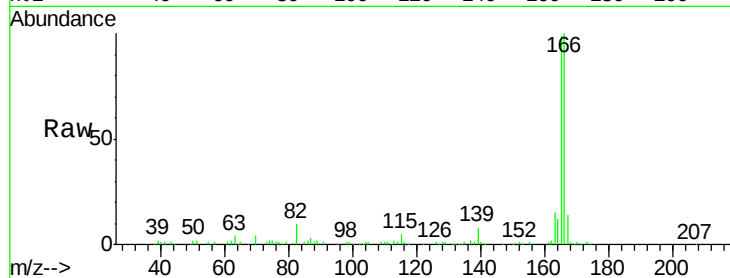
Tot Ion:166 Resp: 81570

Ion Ratio Lower Upper

166 100

165 98.6 77.6 116.4

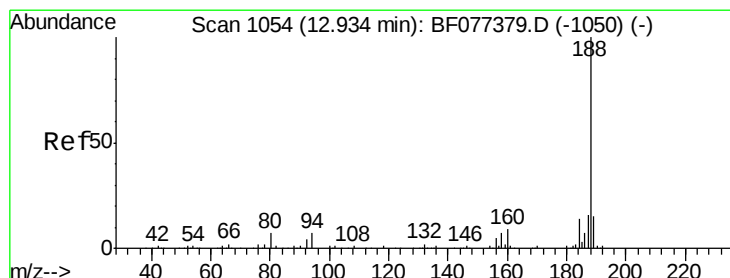
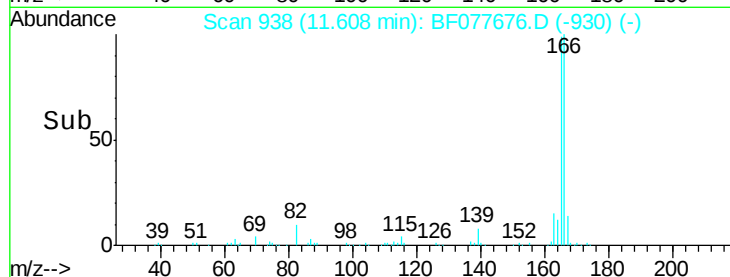
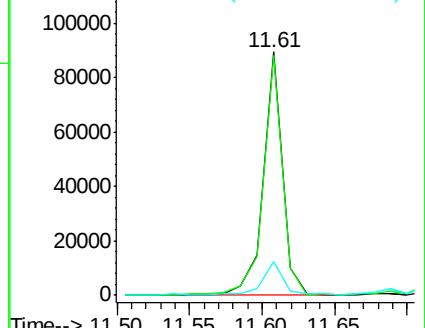
167 13.6 10.6 16.0



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: 12.77 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

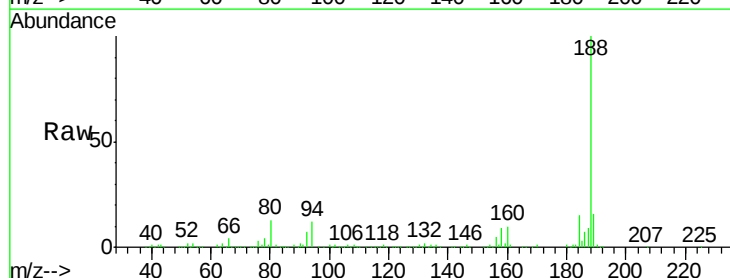
Tgt Ion:188 Resp: 230975

Ion Ratio Lower Upper

188 100

94 11.8 7.4 11.2#

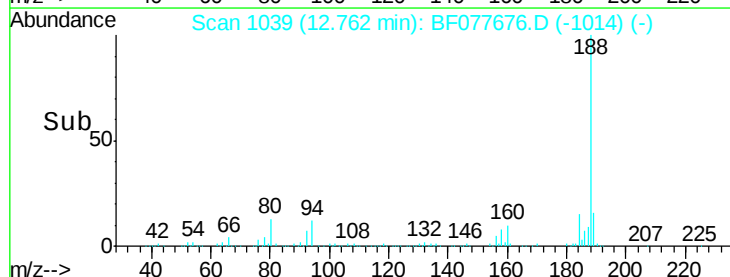
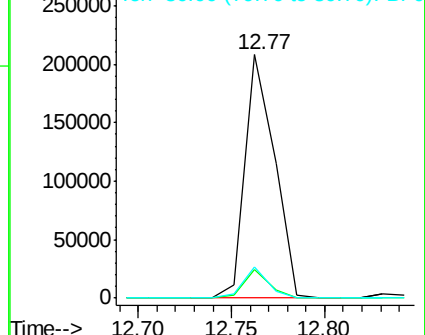
80 12.9 8.0 12.0#

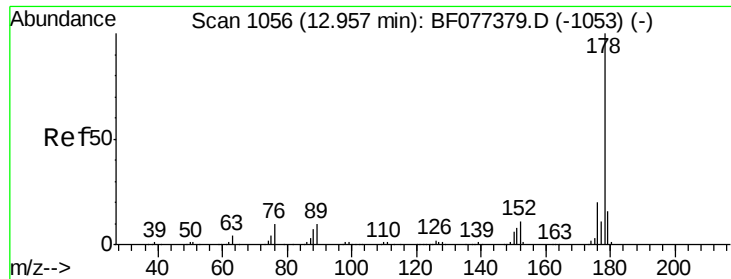


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#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

Instrument :

BNA_F

ClientSampleId :

DCW-WW-085-3915

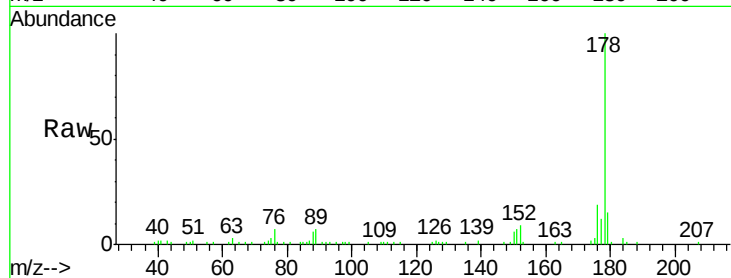
Tot Ion:178 Resp: 55605

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

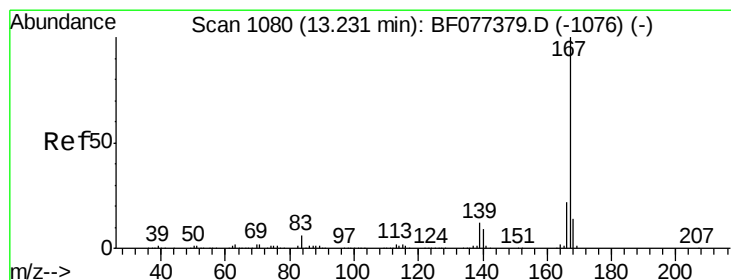
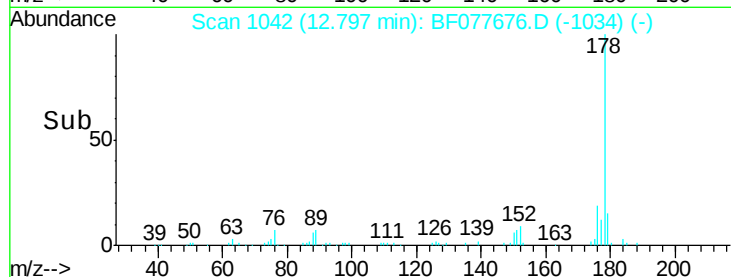
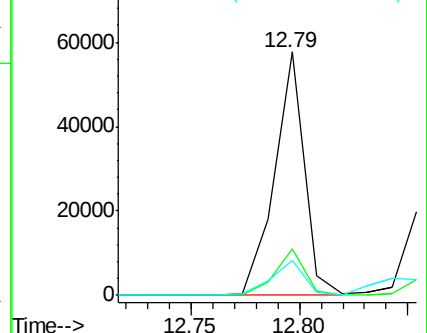
179 14.6 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.08 ng

RT: 13.07 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

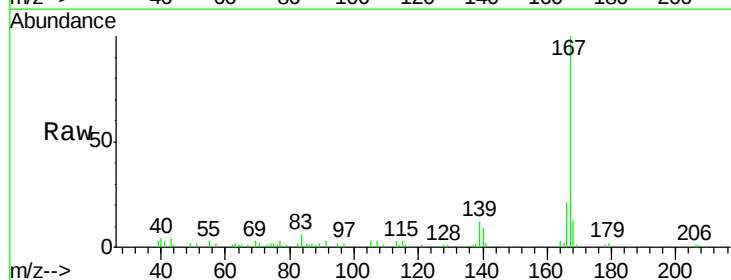
Tgt Ion:167 Resp: 38880

Ion Ratio Lower Upper

167 100

166 21.0 17.6 26.4

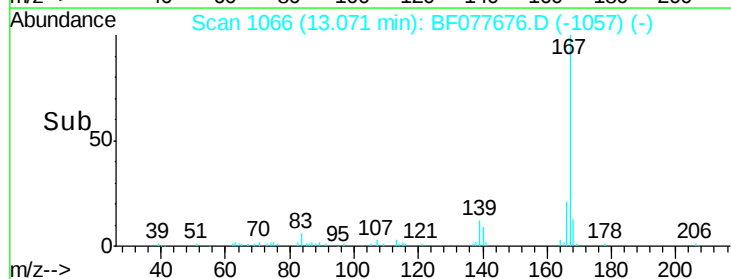
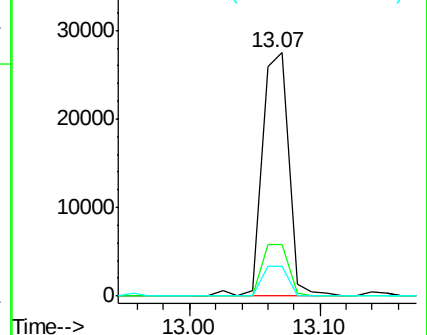
139 12.2 9.9 14.9

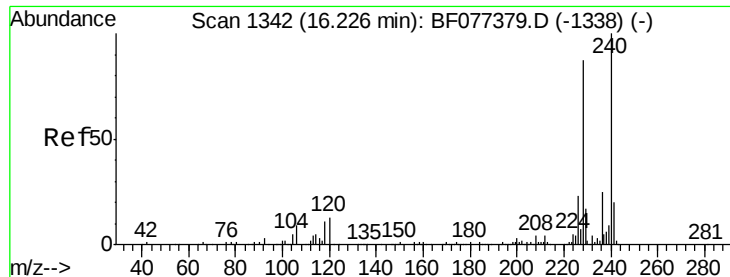


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.05 min Scan# 1326

Delta R.T. -0.04 min

Lab File: BF077676.D

Acq: 10 Mar 2015 22:26

Instrument :

BNA_F

ClientSampleId :

DCW-WW-085-3915

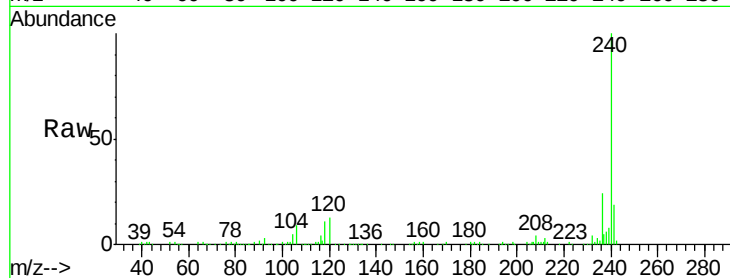
Tot Ion:240 Resp: 227260

Ion Ratio Lower Upper

240 100

120 13.4 8.8 13.2#

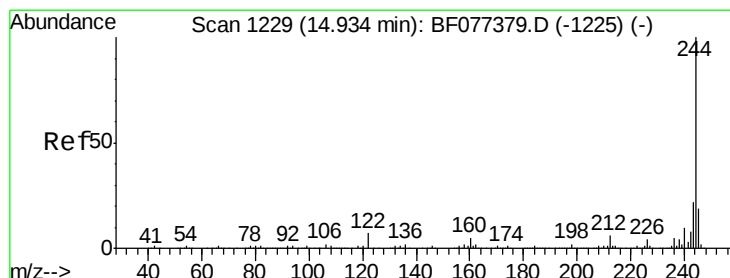
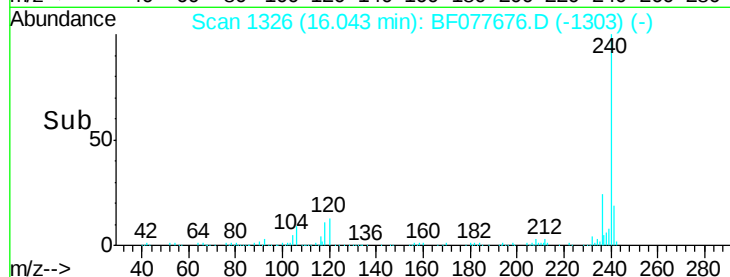
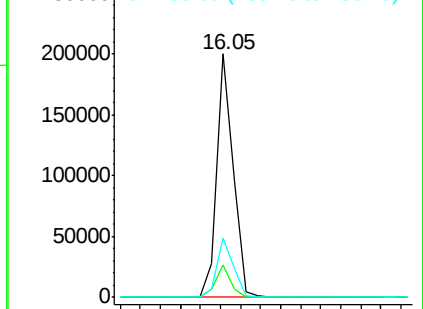
236 24.4 20.7 31.1



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: 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

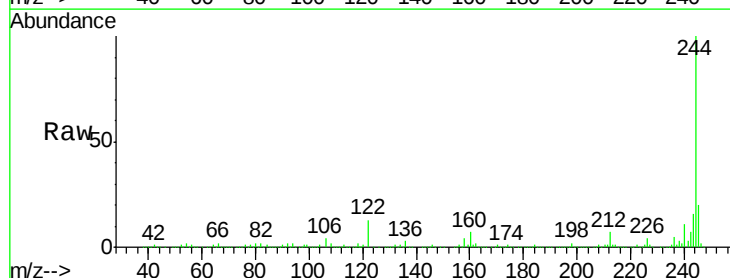
Tgt Ion:244 Resp: 906687

Ion Ratio Lower Upper

244 100

212 6.9 5.2 7.8

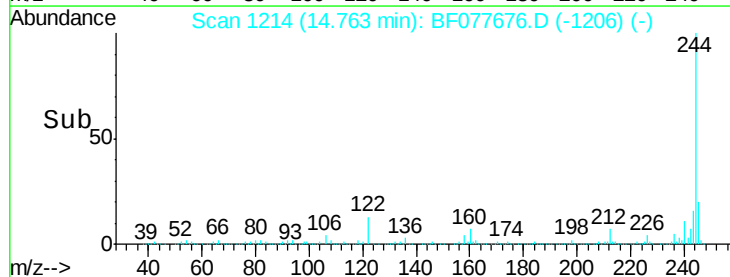
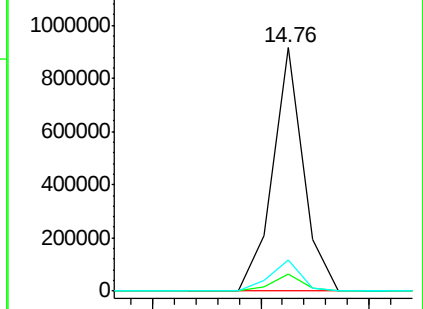
122 12.6 7.8 11.8#

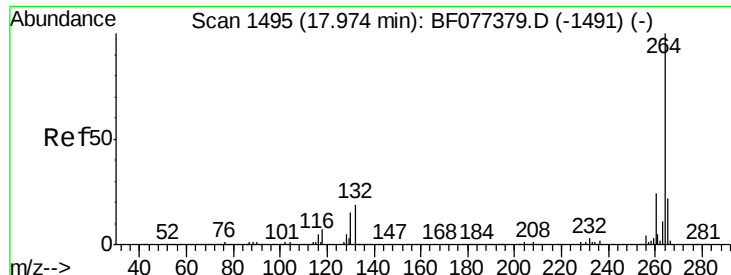


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

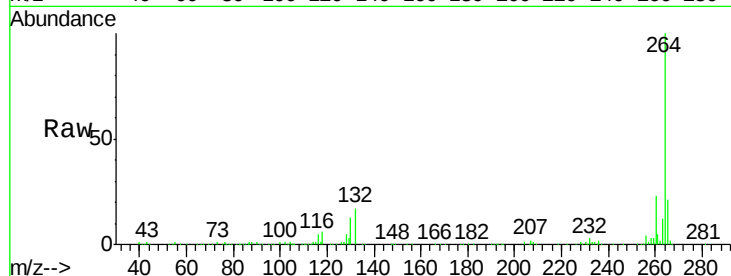




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.75 min Scan# 1475
Delta R.T. -0.16 min
Lab File: BF077676.D
Acq: 10 Mar 2015 22:26

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.3	28.9
265	21.1	16.8	25.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

