

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031015\
 Data File : BF077663.D
 Acq On : 10 Mar 2015 16:15
 Operator : TP/IZ
 Sample : G1442-04DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 11 01:37:22 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	55212	20.00	ng	0.00
21) Naphthalene-d8	8.76	136	225518	20.00	ng	0.00
38) Acenaphthene-d10	10.93	164	116896	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	225876	20.00	ng	0.00
75) Chrysene-d12	16.06	240	249882	20.00	ng	-0.03
86) Perylene-d12	17.81	264	253202	20.00	ng	-0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	39983	12.09	ng	0.00
7) Phenol-d6	6.75	99	26989	6.35	ng	0.00
23) Nitrobenzene-d5	7.87	82	68798	18.97	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	31709	28.17	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	163740	21.84	ng	0.00
78) Terphenyl-d14	14.76	244	194992	18.24	ng	0.00

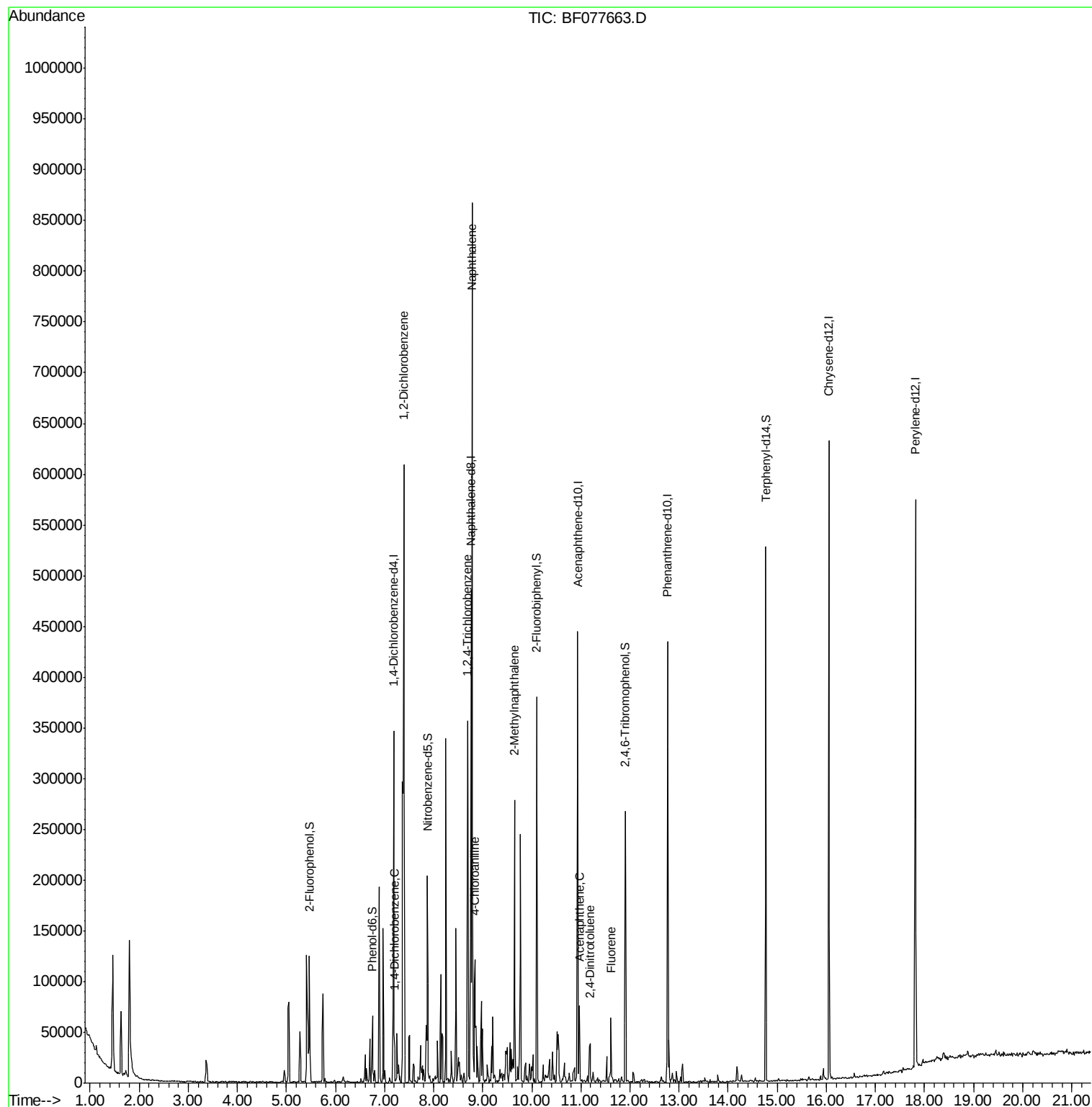
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) 1,4-Dichlorobenzene	7.21	146	8707	2.01	ng	97
14) 1,2-Dichlorobenzene	7.39	146	152046	36.98	ng	98
30) 1,2,4-Trichlorobenzene	8.69	180	65888	18.25	ng	98
31) Naphthalene	8.79	128	384910	34.13	ng	99
33) 4-Chloroaniline	8.85	127	59710	11.91	ng	97
37) 2-Methylnaphthalene	9.64	142	76889	9.60	ng	97
51) Acenaphthene	10.97	154	16808	2.56	ng	97
56) 2,4-Dinitrotoluene	11.18	165	5587	2.51	ng	# 55
57) Fluorene	11.61	166	18567	2.29	ng	97

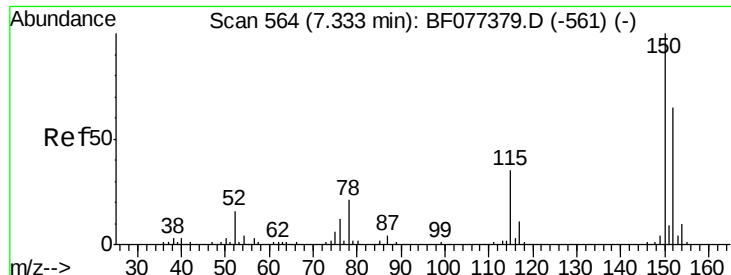
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF077663.D

Acq: 10 Mar 2015 16:15

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

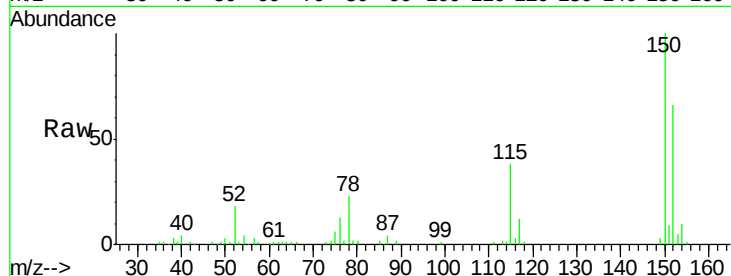
Tot Ion:152 Resp: 55212

Ion Ratio Lower Upper

152 100

150 152.6 124.0 186.0

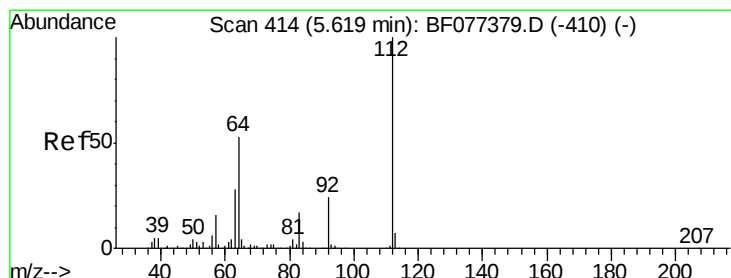
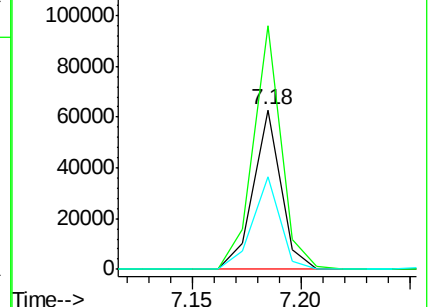
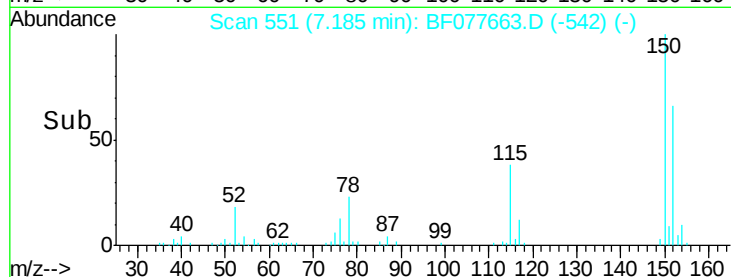
115 58.2 49.4 74.2



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: 12.09 ng

RT: 5.47 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

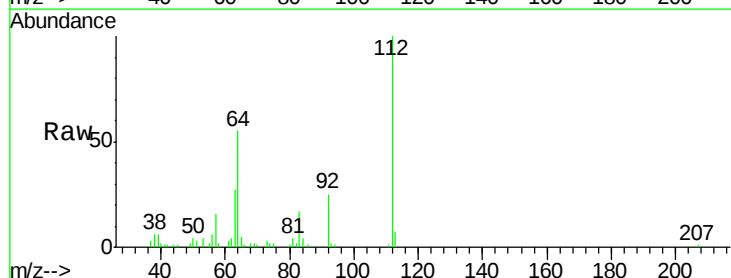
Tgt Ion:112 Resp: 39983

Ion Ratio Lower Upper

112 100

64 55.0 48.5 72.7

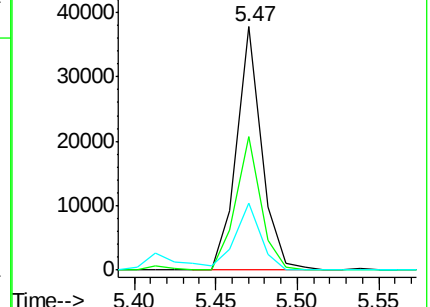
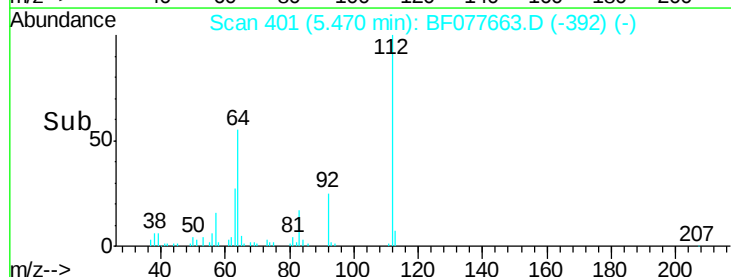
63 27.5 25.0 37.4



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: 6.35 ng

RT: 6.75 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

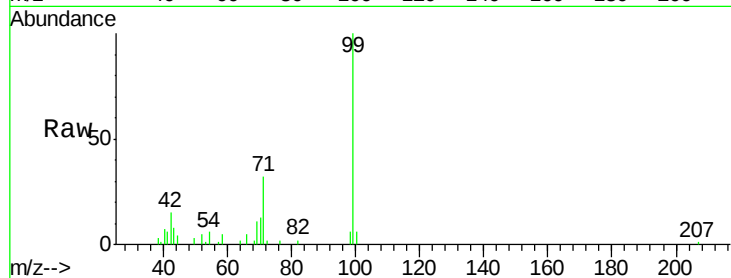
Tot Ion: 99 Resp: 26989

Ion Ratio Lower Upper

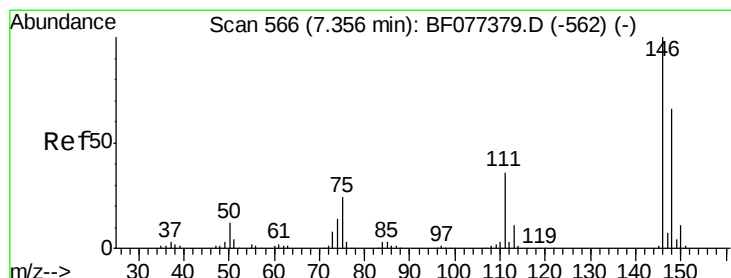
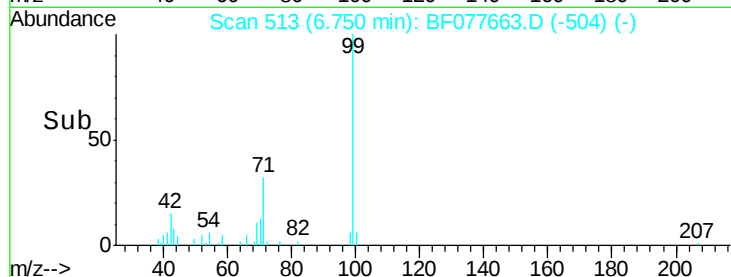
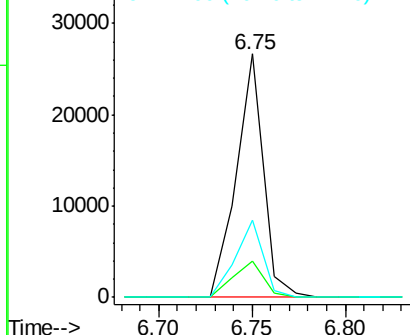
99 100

42 14.7 16.2 24.4#

71 31.5 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: 2.01 ng

RT: 7.21 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

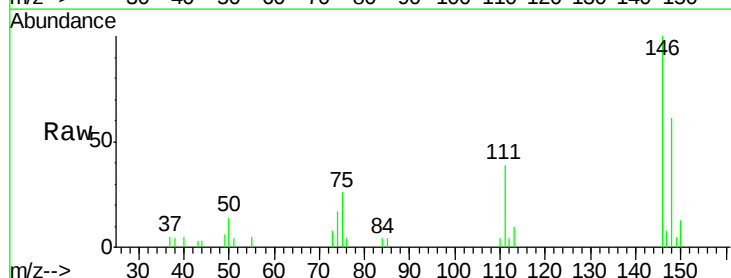
Tgt Ion: 146 Resp: 8707

Ion Ratio Lower Upper

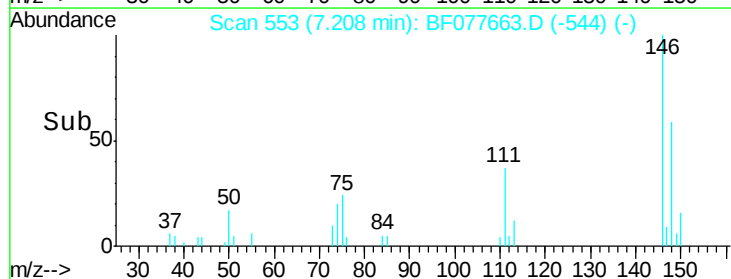
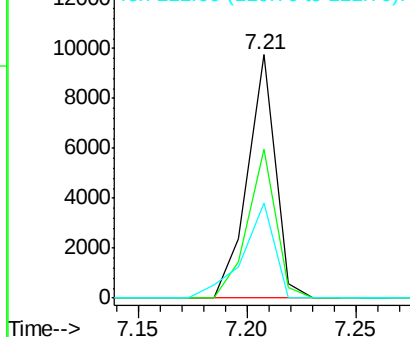
146 100

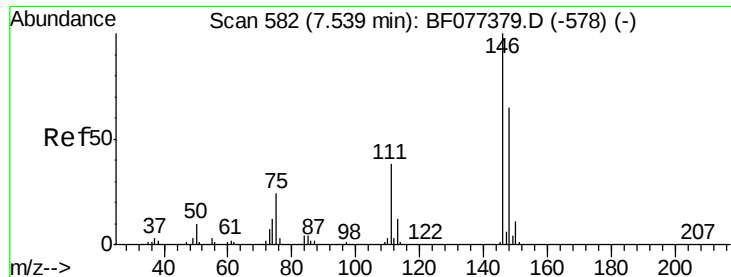
148 61.3 52.0 78.0

111 39.0 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: 36.98 ng

RT: 7.39 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

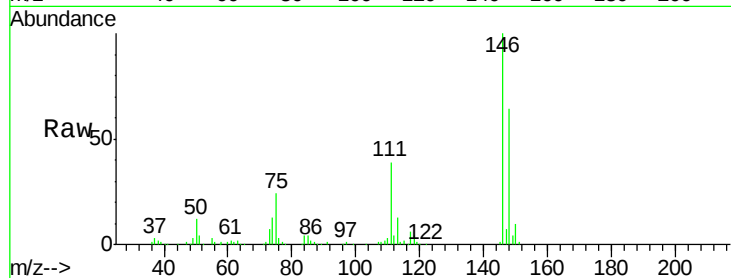
Tot Ion:146 Resp: 152046

Ion Ratio Lower Upper

146 100

148 64.0 51.6 77.4

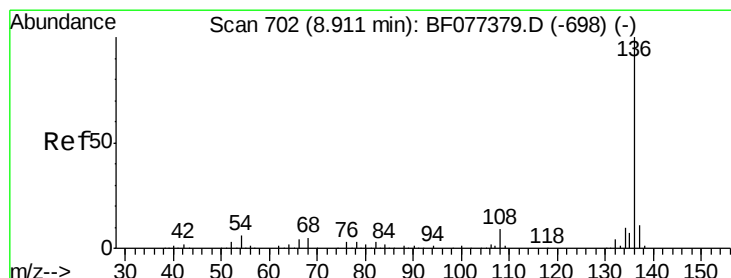
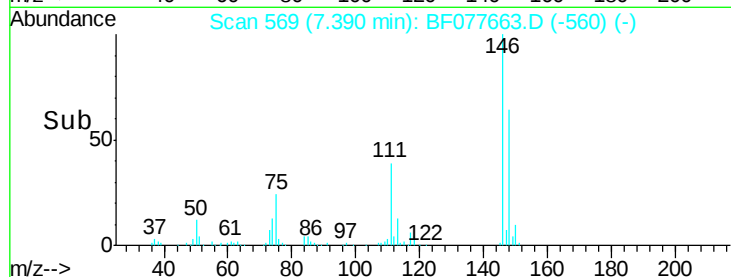
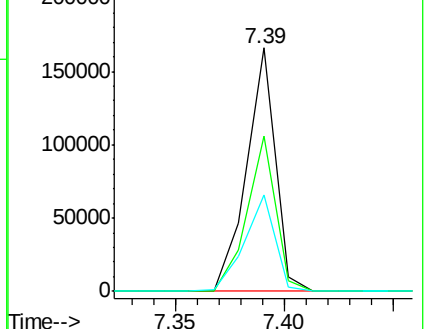
111 39.4 34.2 51.2



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: 8.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

Tgt Ion:136 Resp: 225518

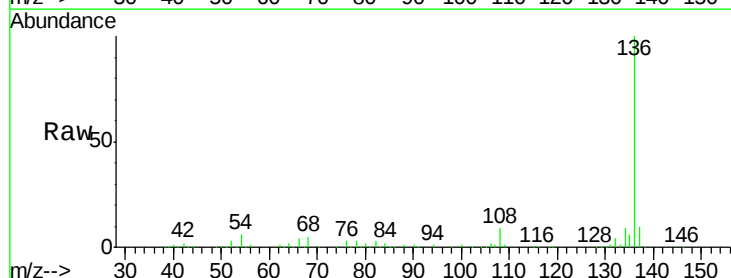
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 6.4 6.2 9.4

68 5.2 5.0 7.6

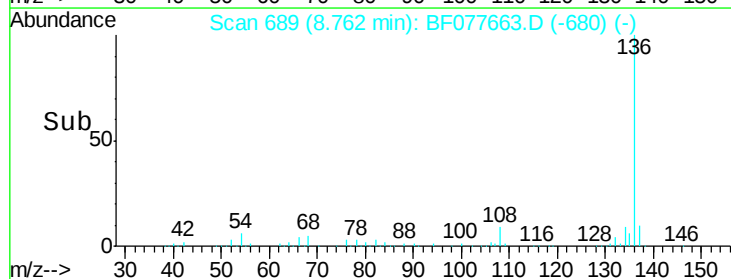
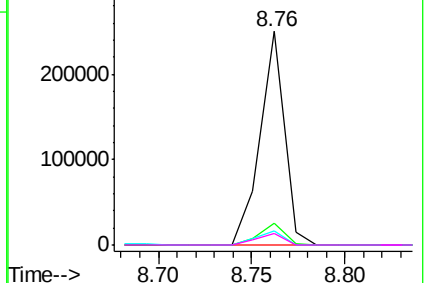


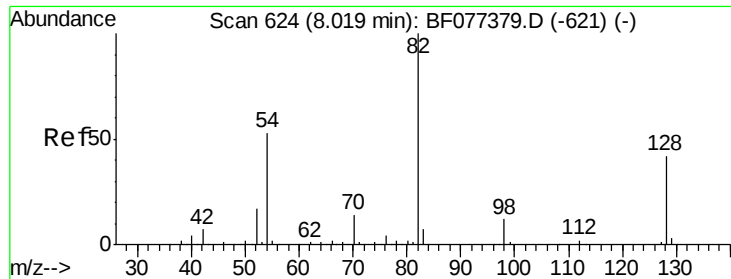
Abundance Ion 136.00 (135.70 to 136.70): E

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

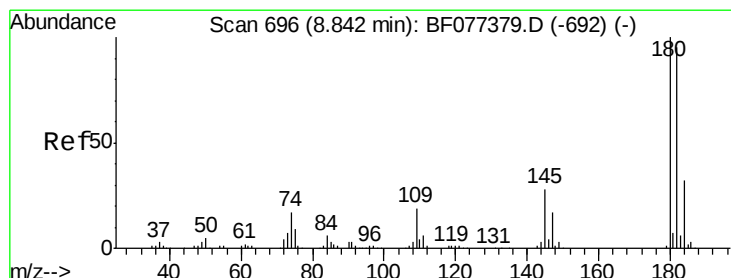
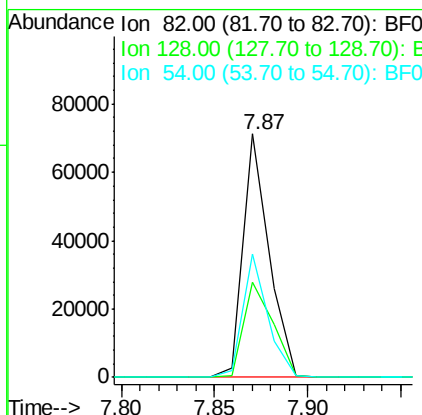
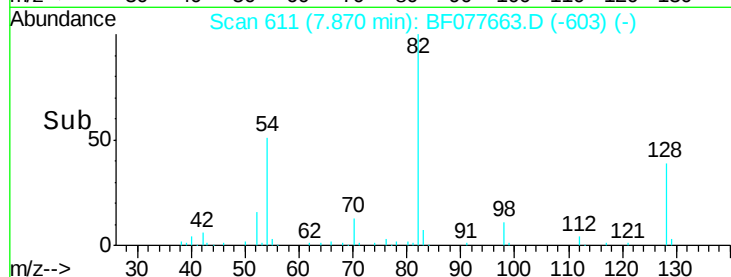
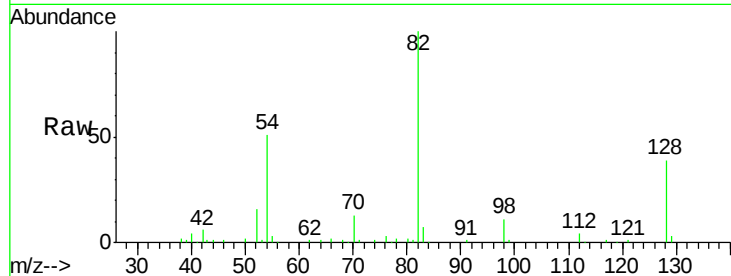




#23
 Nitrobenzene-d5
 Concen: 18.97 ng
 RT: 7.87 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF077663.D
 Acq: 10 Mar 2015 16:15

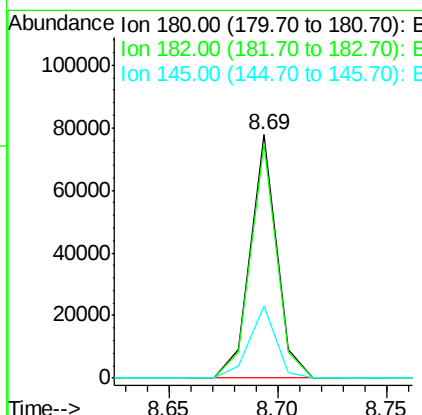
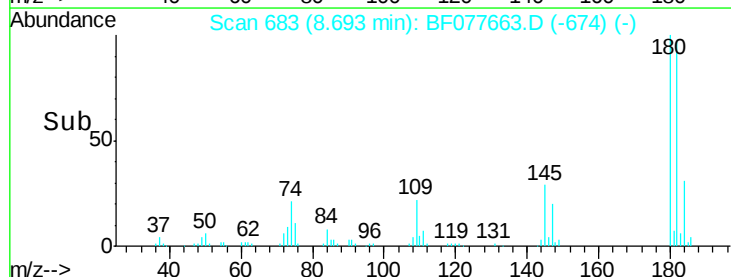
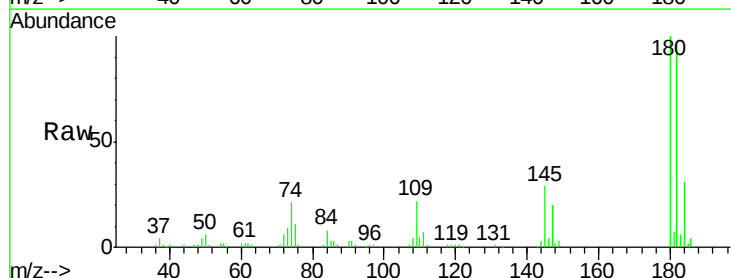
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-076-3515DL

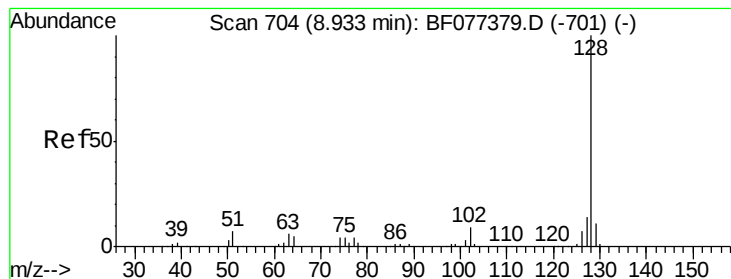
Tot Ion: 82 Resp: 68798
 Ion Ratio Lower Upper
 82 100
 128 38.8 43.8 65.8#
 54 50.6 36.7 55.1



#30
 1,2,4-Trichlorobenzene
 Concen: 18.25 ng
 RT: 8.69 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: BF077663.D
 Acq: 10 Mar 2015 16:15

Tgt Ion: 180 Resp: 65888
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.2 114.4
 145 29.4 24.5 36.7





#31

Naphthalene

Concen: 34.13 ng

RT: 8.79 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

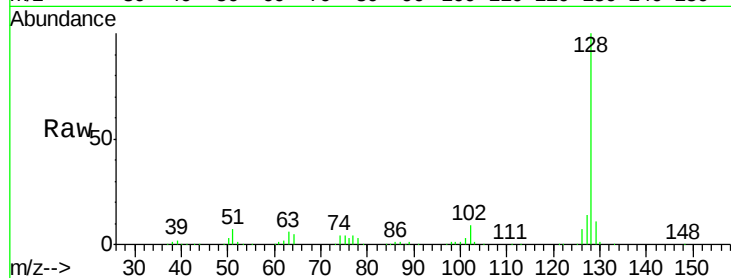
Tot Ion:128 Resp: 384910

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.0

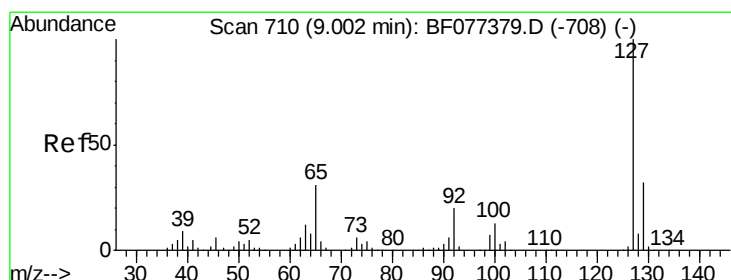
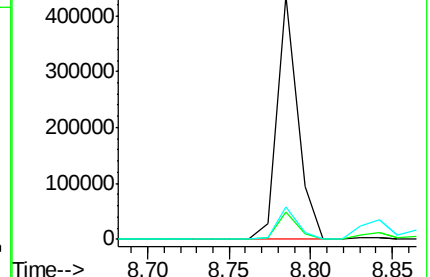
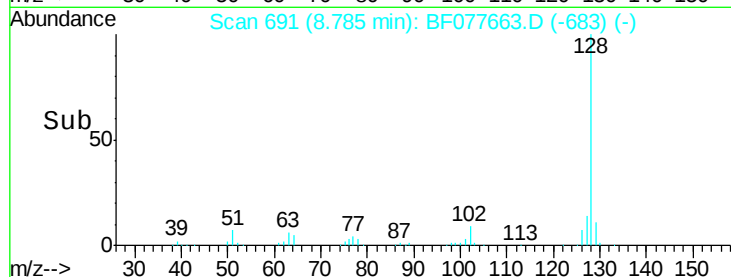
127 13.6 10.6 15.8



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: 11.91 ng

RT: 8.85 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

Tgt Ion:127 Resp: 59710

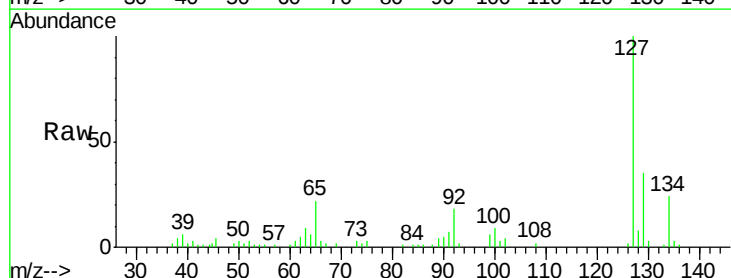
Ion Ratio Lower Upper

127 100

129 34.8 26.9 40.3

65 21.9 16.7 25.1

92 17.6 12.5 18.7

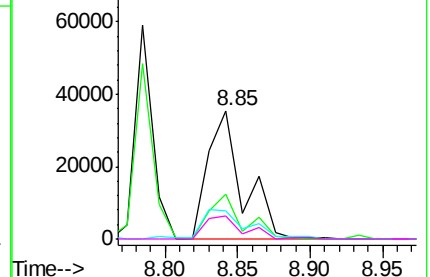
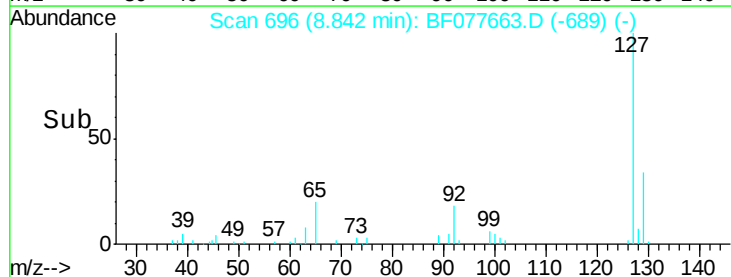


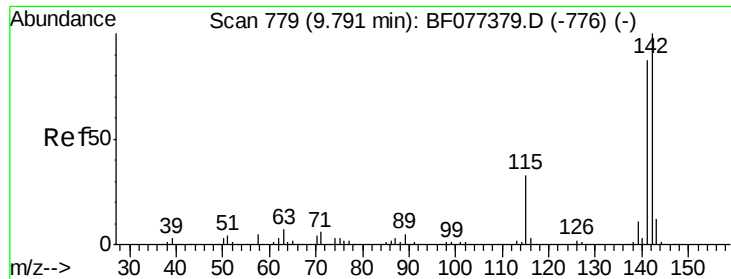
Abundance Ion 127.00 (126.70 to 127.70): E

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

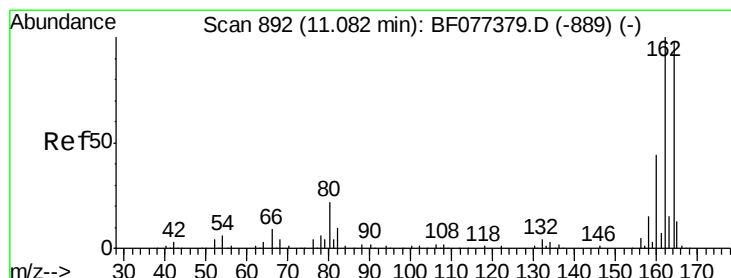
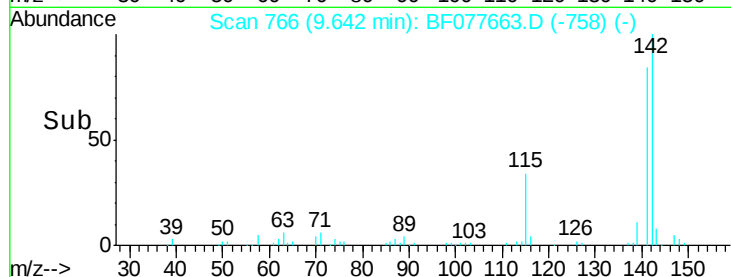
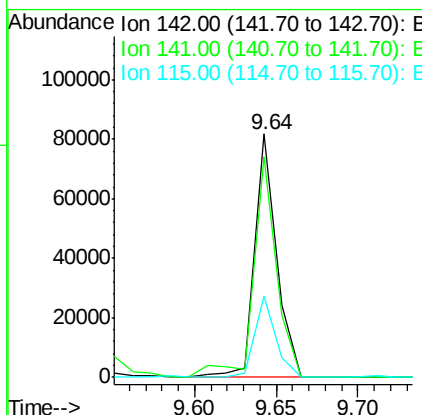
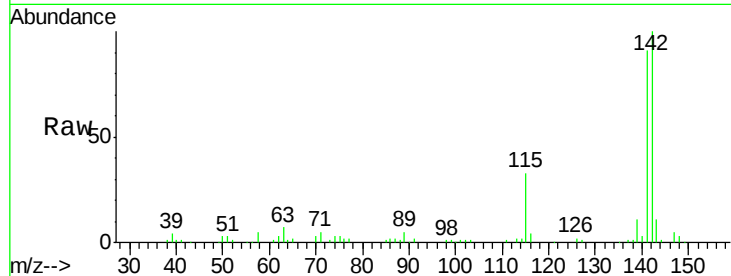




#37
2-Methylnaphthalene
Concen: 9.60 ng
RT: 9.64 min Scan# 766
Delta R.T. -0.00 min
Lab File: BF077663.D
Acq: 10 Mar 2015 16:15

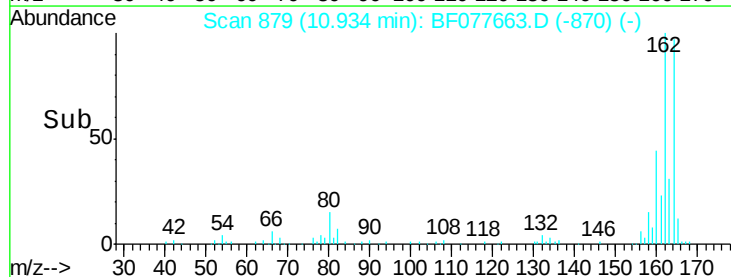
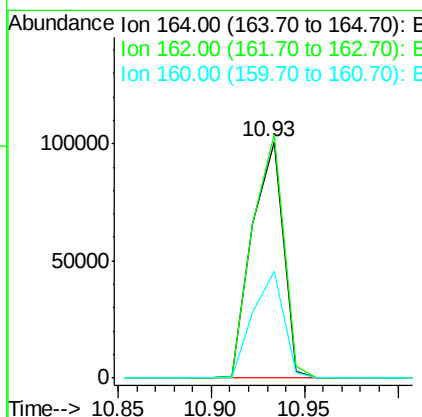
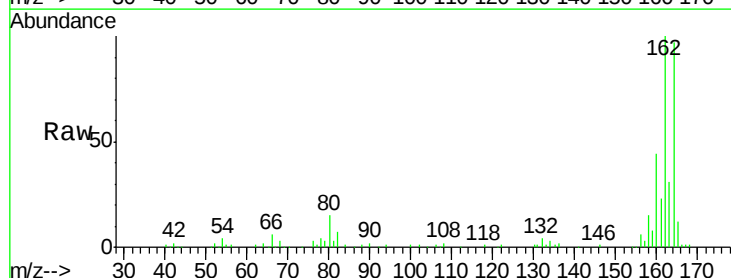
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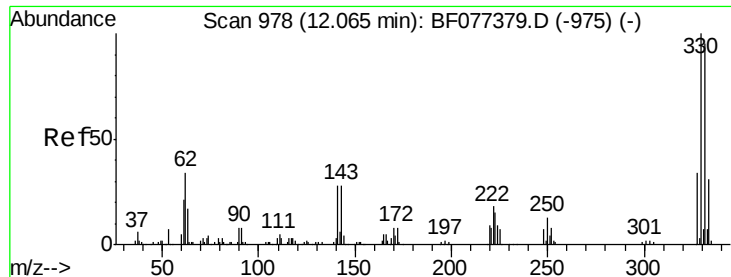
Tot Ion:142 Resp: 76889
Ion Ratio Lower Upper
142 100
141 90.7 70.7 106.1
115 33.4 24.2 36.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF077663.D
Acq: 10 Mar 2015 16:15

Tgt Ion:164 Resp: 116896
Ion Ratio Lower Upper
164 100
162 103.0 83.2 124.8
160 45.0 34.6 52.0

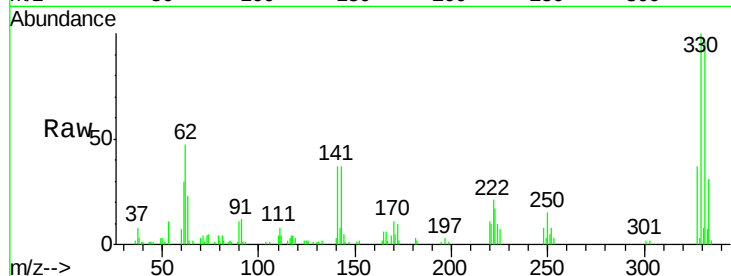




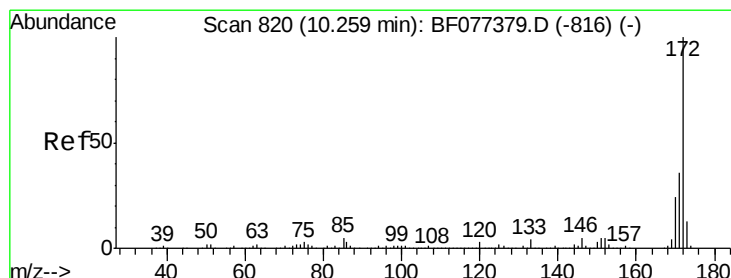
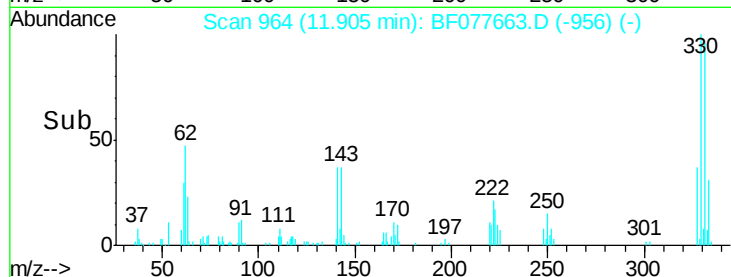
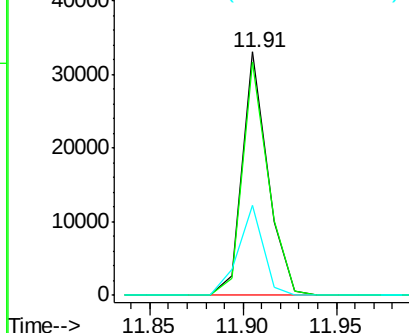
#41
 2,4,6-Tribromophenol
 Concen: 28.17 ng
 RT: 11.91 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF077663.D
 Acq: 10 Mar 2015 16:15

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

Tot Ion:330 Resp: 31709
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 36.6 28.8 43.2

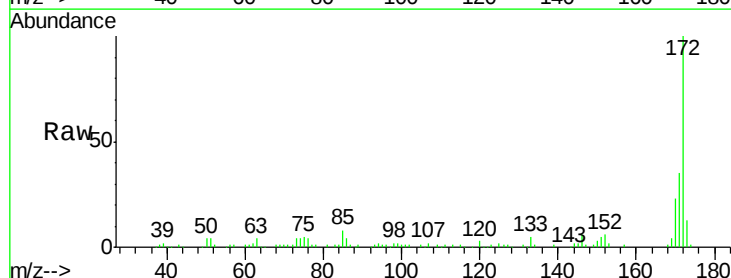


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

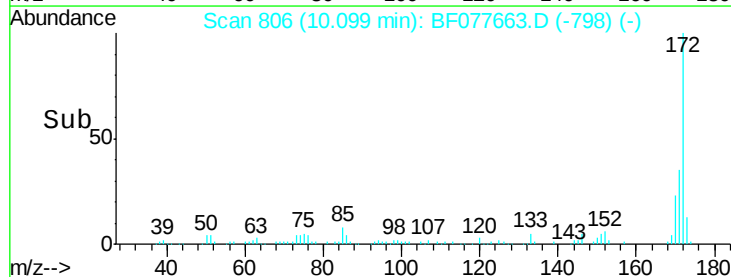
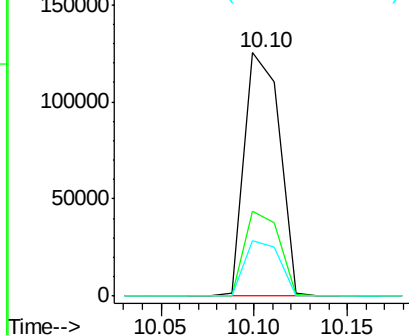


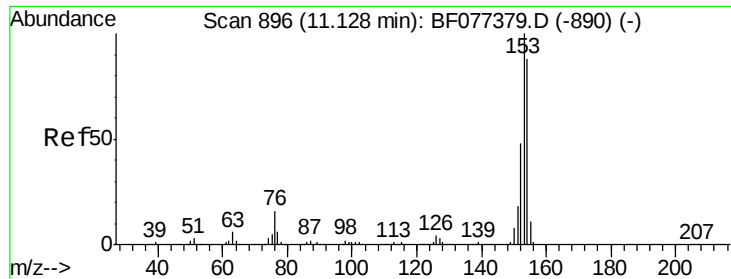
#44
 2-Fluorobiphenyl
 Concen: 21.84 ng
 RT: 10.10 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: BF077663.D
 Acq: 10 Mar 2015 16:15

Tgt Ion:172 Resp: 163740
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.9 43.3
 170 23.0 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





#51

Acenaphthene

Concen: 2.56 ng

RT: 10.97 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

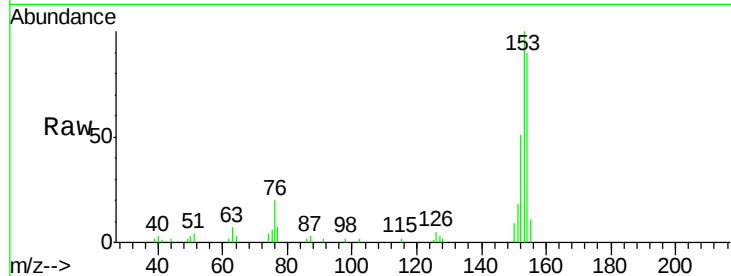
Tot Ion:154 Resp: 16808

Ion Ratio Lower Upper

154 100

153 110.9 90.5 135.7

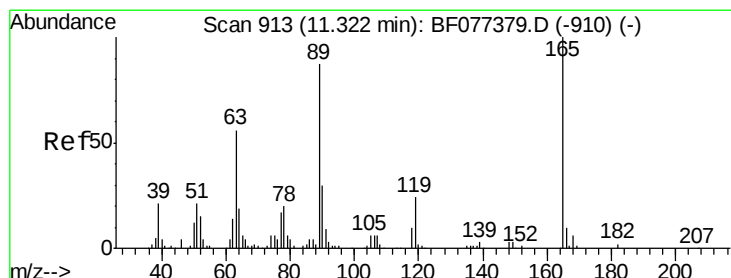
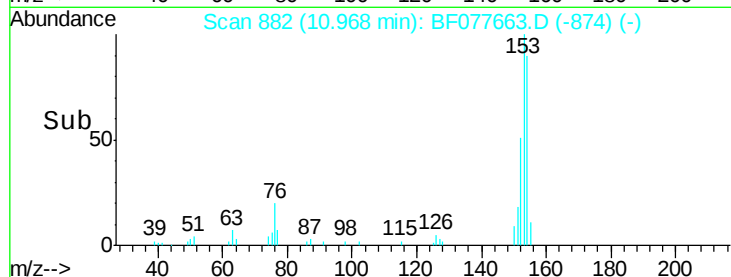
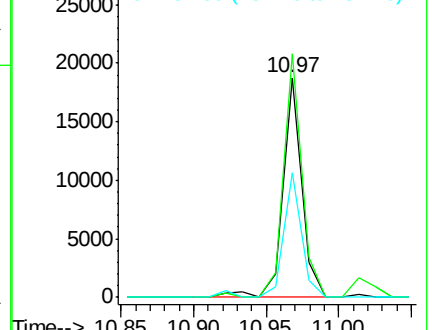
152 57.0 43.5 65.3



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



#56

2,4-Dinitrotoluene

Concen: 2.51 ng

RT: 11.18 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

Tgt Ion:165 Resp: 5587

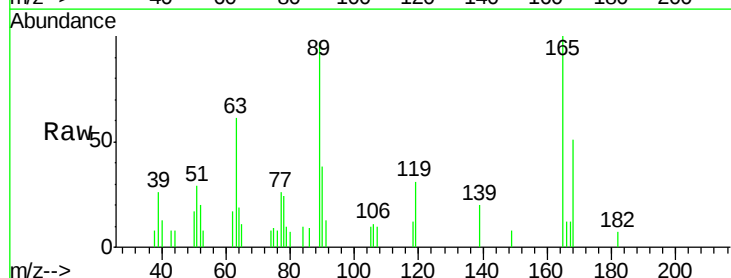
Ion Ratio Lower Upper

165 100

63 61.5 29.8 44.8#

89 97.4 48.5 72.7#

182 7.5 1.9 2.9#

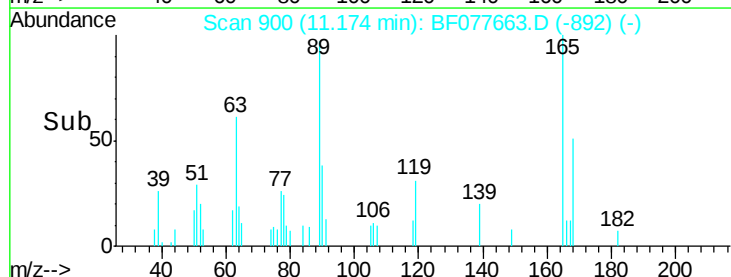
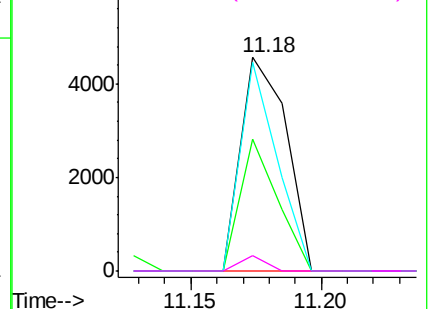


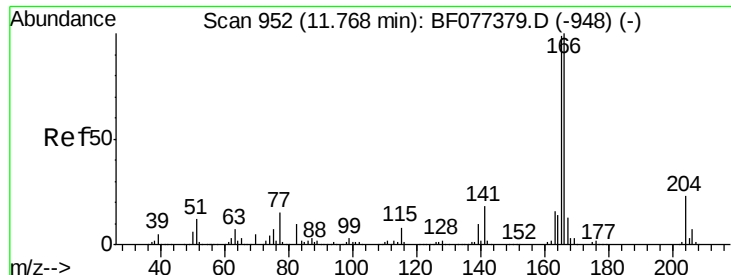
Abundance Ion 165.00 (164.70 to 165.70): E

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

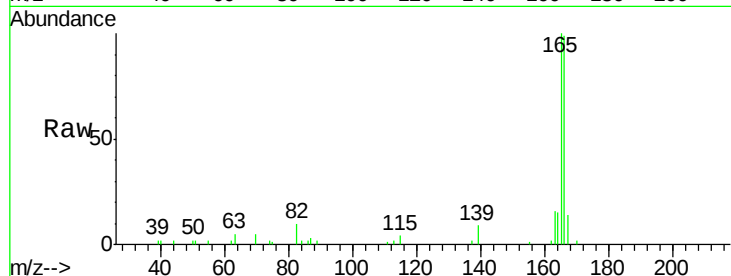




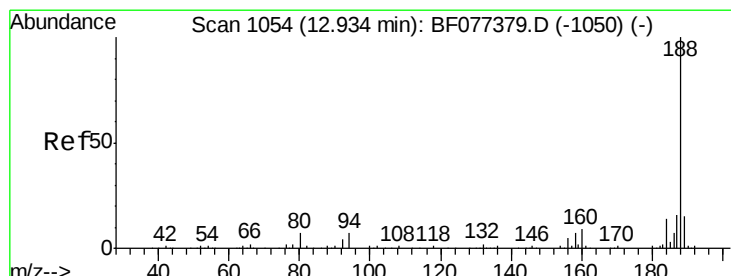
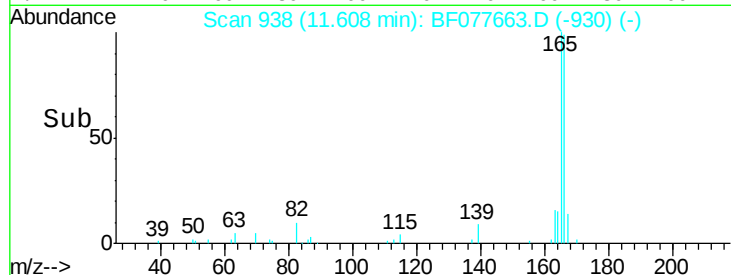
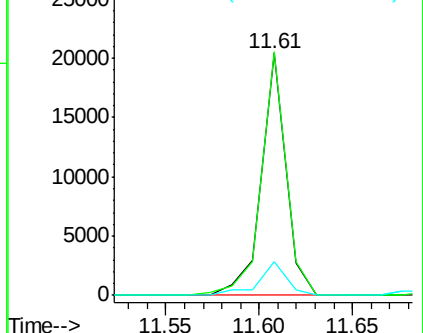
#57
Fluorene
 Concen: 2.29 ng
 RT: 11.61 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF077663.D
 Acq: 10 Mar 2015 16:15

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

Tot Ion:166 Resp: 18567
 Ion Ratio Lower Upper
 166 100
 165 100.7 77.6 116.4
 167 13.7 10.6 16.0

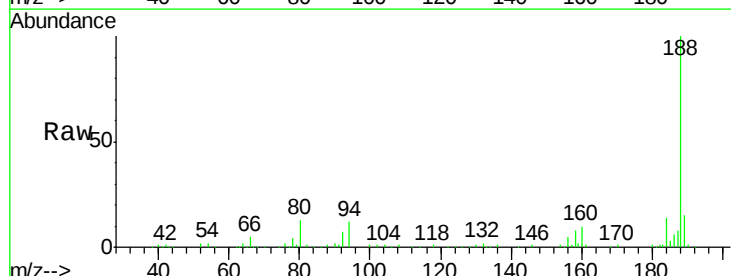


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

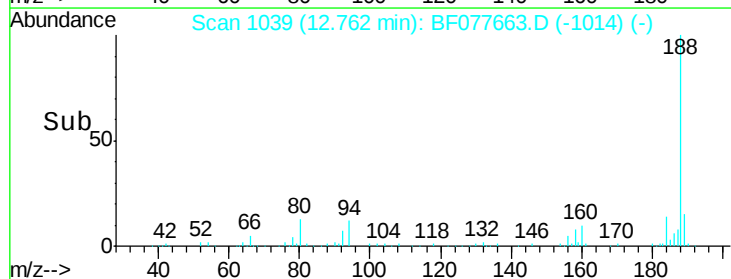
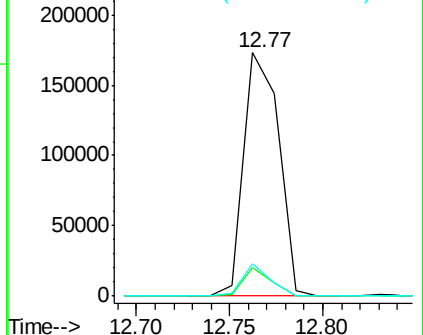


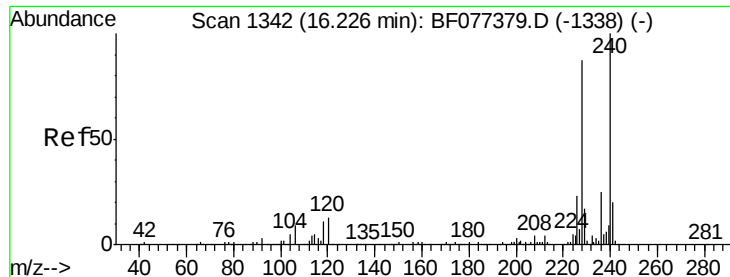
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.77 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BF077663.D
 Acq: 10 Mar 2015 16:15

Tgt Ion:188 Resp: 225876
 Ion Ratio Lower Upper
 188 100
 94 11.9 7.4 11.2#
 80 13.2 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.06 min Scan# 1327

Delta R.T. -0.03 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

Instrument :

BNA_F

ClientSampleId :

DCW-WW-076-3515DL

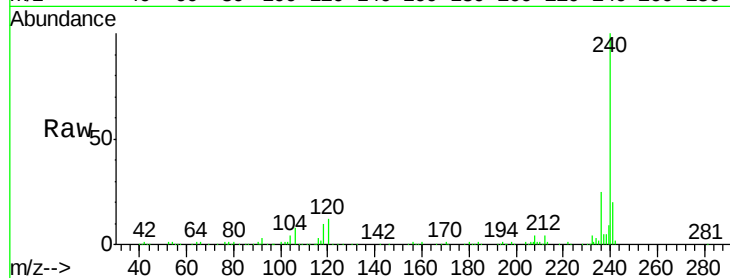
Tot Ion:240 Resp: 249882

Ion Ratio Lower Upper

240 100

120 11.9 8.8 13.2

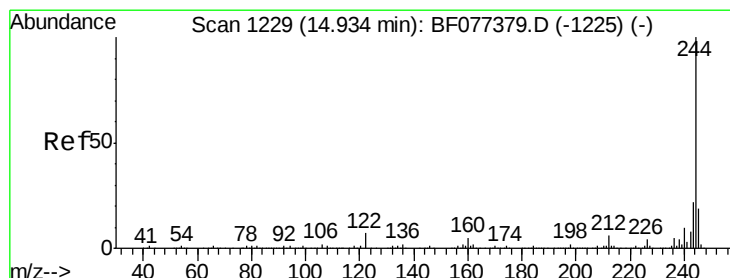
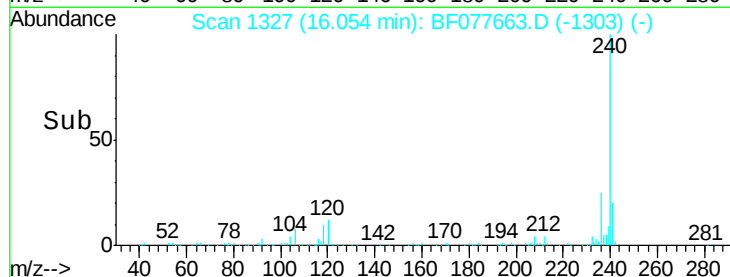
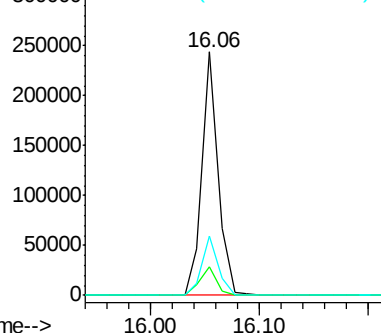
236 24.5 20.7 31.1



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: 18.24 ng

RT: 14.76 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF077663.D

Acq: 10 Mar 2015 16:15

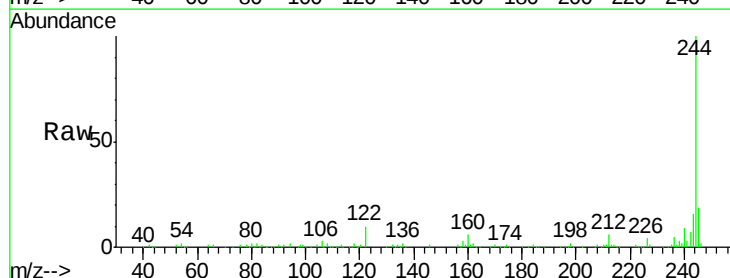
Tgt Ion:244 Resp: 194992

Ion Ratio Lower Upper

244 100

212 6.1 5.2 7.8

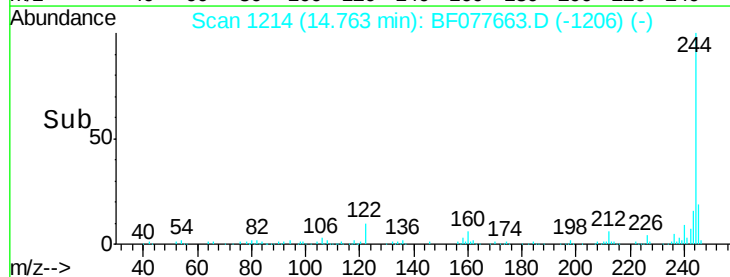
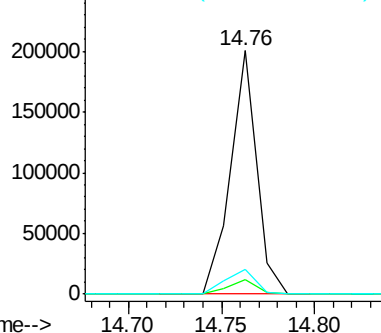
122 10.4 7.8 11.8

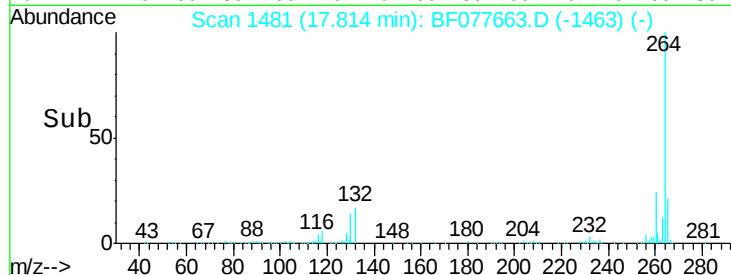
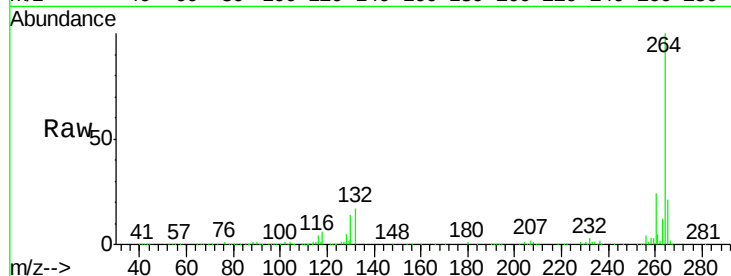
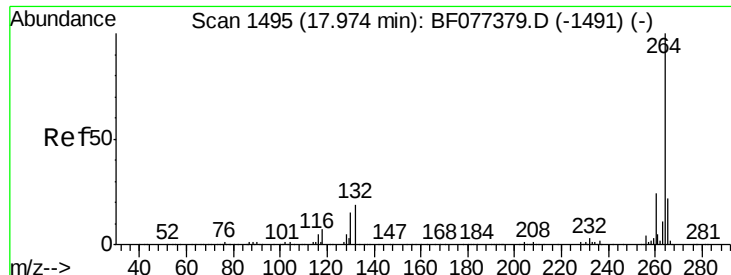


Abundance Ion 244.00 (243.70 to 244.70): E

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: 17.81 min Scan# 1481
Delta R.T. -0.09 min
Lab File: BF077663.D
Acq: 10 Mar 2015 16:15

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

Tot Ion:	264	Resp:	253202
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	20.8	16.8	25.2

