

Data Path : Z:\HPCHEM1\BNA F\Data\BF020315\
 Data File : BF077170.D
 Acq On : 3 Feb 2015 20:01
 Operator : TP/IZ
 Sample : G1199-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 04 01:38:57 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 01:28:22 2015
 Response via : Initial Calibration

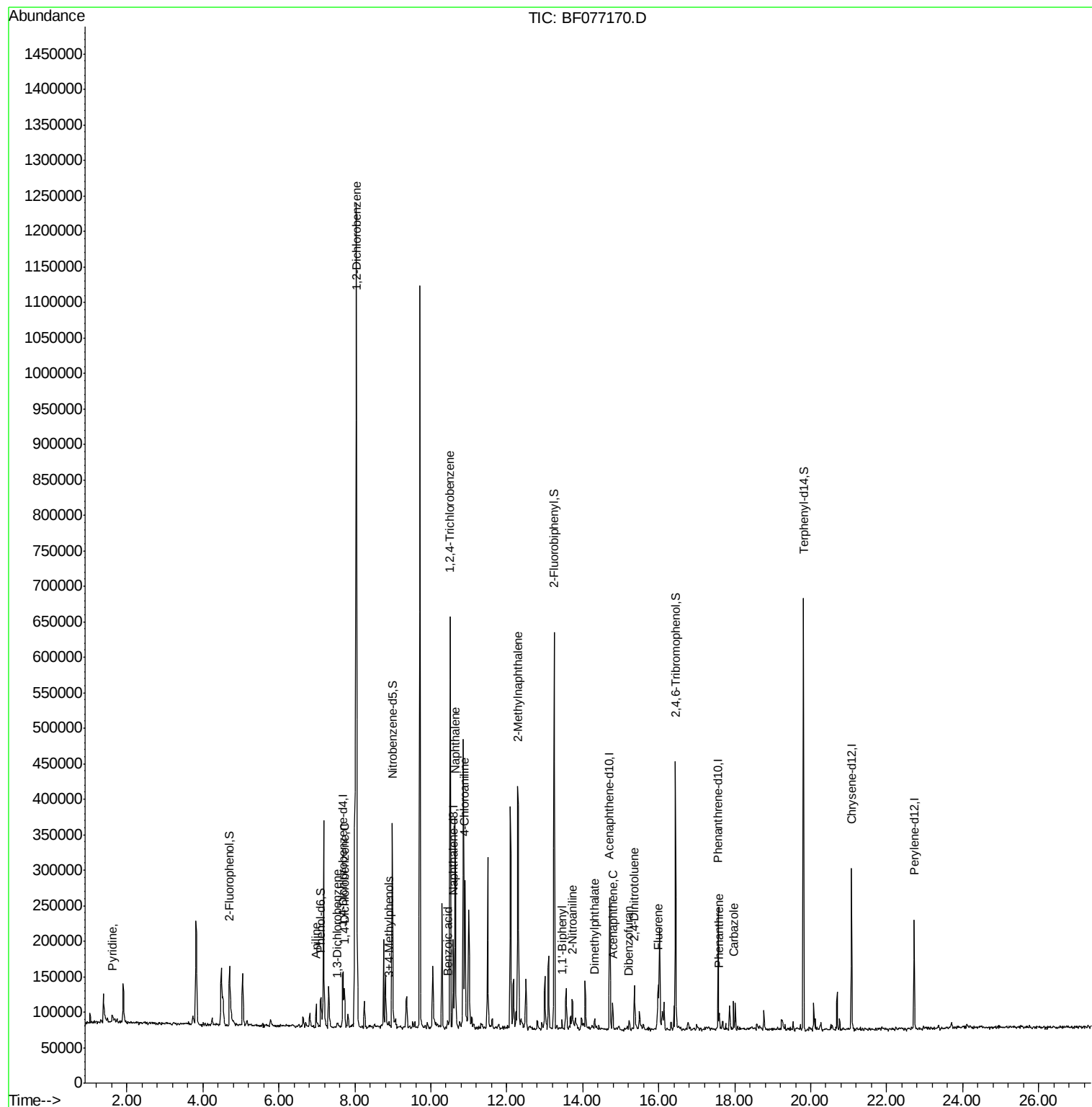
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	24243	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	96129	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	44888	20.00	ng	-0.01
63) Phenanthrene-d10	17.56	188	85349	20.00	ng	0.00
75) Chrysene-d12	21.07	240	83596	20.00	ng	0.00
86) Perylene-d12	22.73	264	79177	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.70	112	63149	42.83	ng	0.01
7) Phenol-d6	7.10	99	44780	24.07	ng	0.01
23) Nitrobenzene-d5	8.99	82	151667	87.41	ng	0.00
41) 2,4,6-Tribromophenol	16.44	330	51797	142.16	ng	0.00
44) 2-Fluorobiphenyl	13.24	172	301864	102.34	ng	0.00
78) Terphenyl-d14	19.81	244	284258	78.28	ng	0.00
Target Compounds						
3) Pyridine	1.61	79	11380	6.97	ng	Qvalue # 88
6) Aniline	6.98	93	21738	8.44	ng	98
12) 1,3-Dichlorobenzene	7.54	146	5346	2.76	ng	87
13) 1,4-Dichlorobenzene	7.72	146	27544	13.43	ng	100
14) 1,2-Dichlorobenzene	8.04	146	477283	252.58	ng	98
20) 3+4-Methylphenols	8.90	107	4845	2.63	ng	# 37
30) 1,2,4-Trichlorobenzene	10.51	180	186119	131.53	ng	93
31) Naphthalene	10.64	128	227147	45.90	ng	99
32) Benzoic acid	10.44	122	2386	3.15	ng	# 16
33) 4-Chloroaniline	10.90	127	97696	48.85	ng	95
37) 2-Methylnaphthalene	12.29	142	51936	15.37	ng	94
45) 1,1'-Biphenyl	13.45	154	9939	2.99	ng	88
47) 2-Nitroaniline	13.72	65	1758	2.12	ng	# 11
49) Dimethylphthalate	14.32	163	11151	3.50	ng	# 95
51) Acenaphthene	14.79	154	14538	5.55	ng	97
54) Dibenzofuran	15.22	168	10343	2.71	ng	# 97
56) 2,4-Dinitrotoluene	15.36	165	17435	19.59	ng	# 87
57) Fluorene	15.97	166	18433	5.70	ng	98
70) Phenanthrene	17.60	178	13124	2.47	ng	96
72) Carbazole	17.97	167	22013	4.37	ng	96

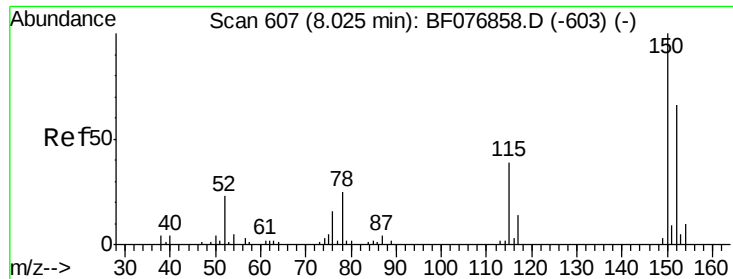
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF020315\
Data File : BF077170.D
Acq On : 3 Feb 2015 20:01
Operator : TP/IZ
Sample : G1199-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 04 01:38:57 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 01:28:22 2015
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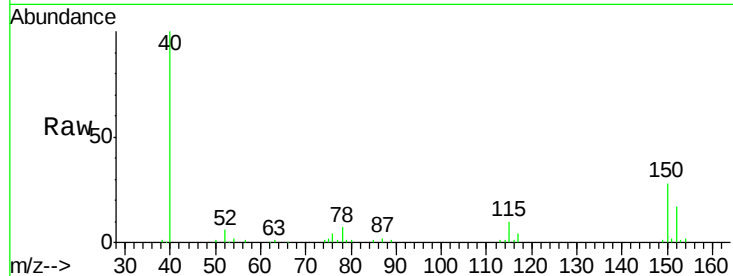


#1

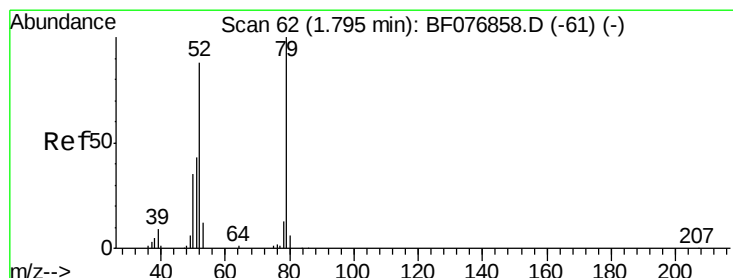
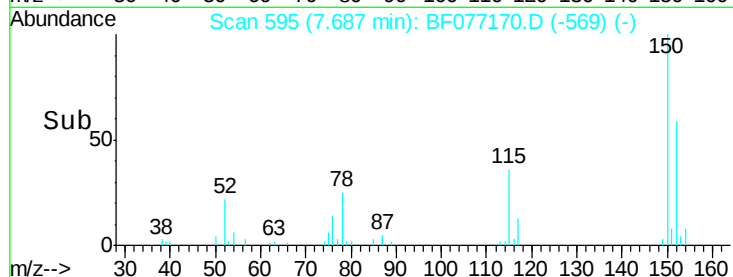
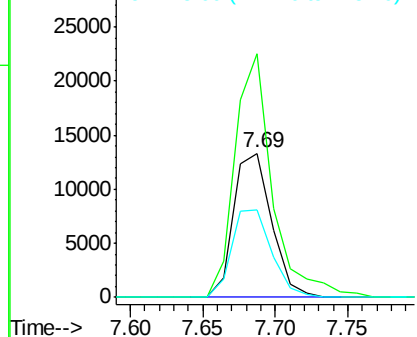
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 595
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 24243
Ion Ratio Lower Upper
152 100
150 168.9 121.7 182.5
115 60.4 47.0 70.6



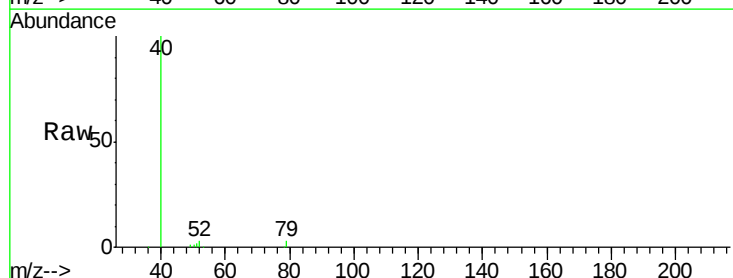
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



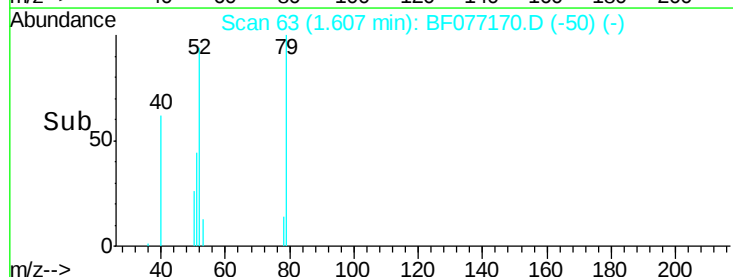
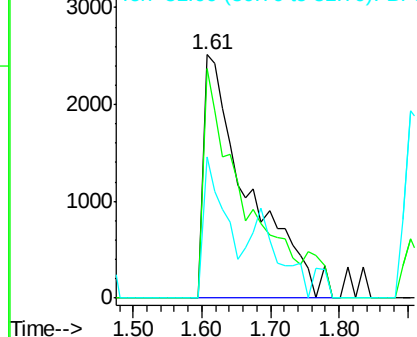
#3

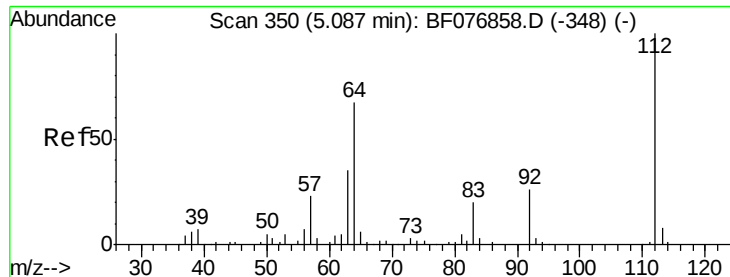
Pyridine
Concen: 6.97 ng
RT: 1.61 min Scan# 63
Delta R.T. 0.05 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

Tgt Ion: 79 Resp: 11380
Ion Ratio Lower Upper
79 100
52 94.2 70.1 105.1
51 58.2 35.1 52.7#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 42.83 ng

RT: 4.70 min Scan# 334

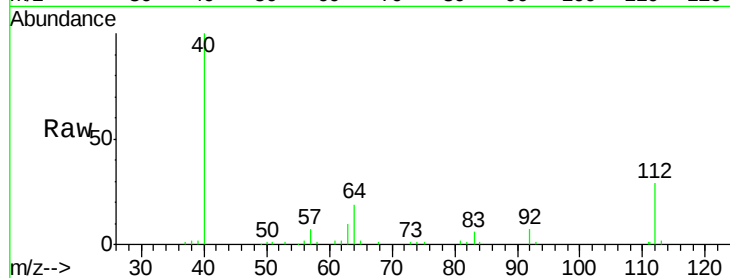
Delta R.T. 0.01 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

Instrument :
BNA_F
ClientSampled :

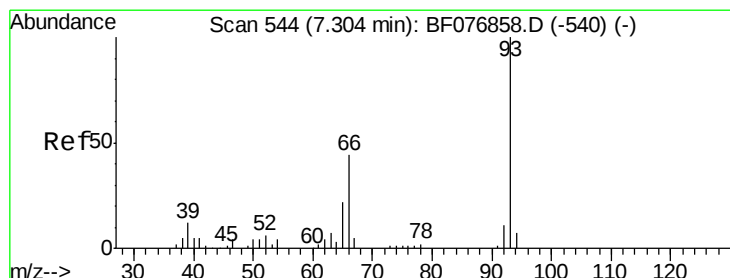
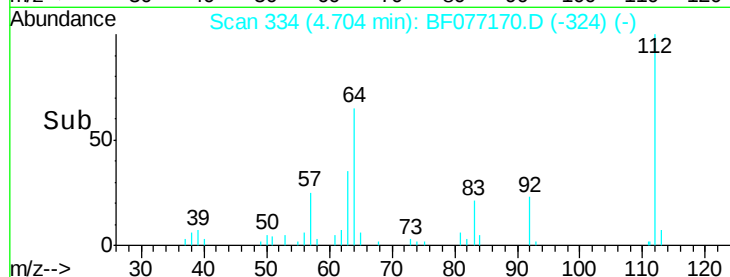
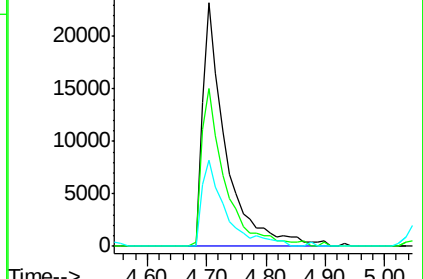
Tot Ion:	112	Resp:	63149
Ion	Ratio	Lower	Upper
112	100		
64	64.7	54.2	81.4
63	35.2	28.4	42.6



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



#6

Aniline

Concen: 8.44 ng

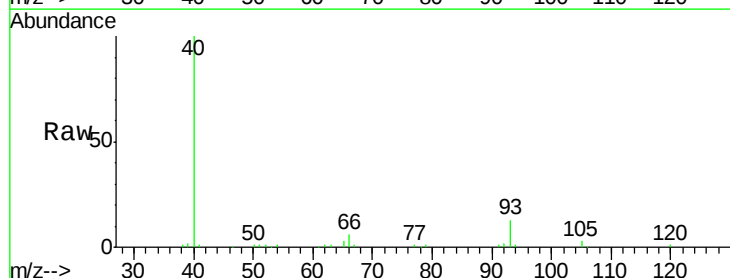
RT: 6.98 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

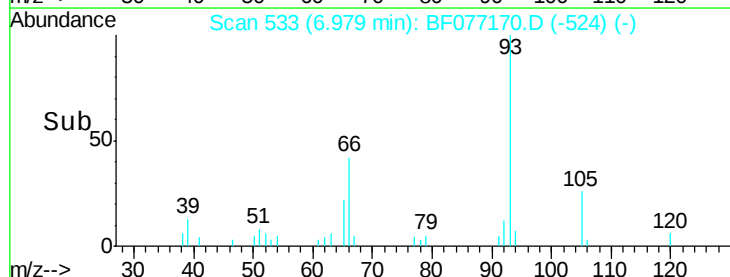
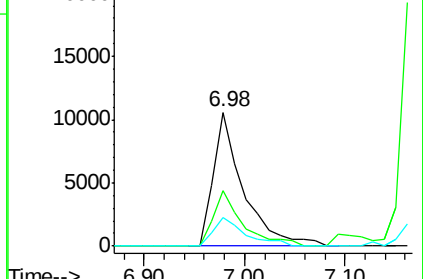
Tgt Ion:	93	Resp:	21738
Ion	Ratio	Lower	Upper
93	100		
66	41.8	35.0	52.4
65	21.8	17.7	26.5

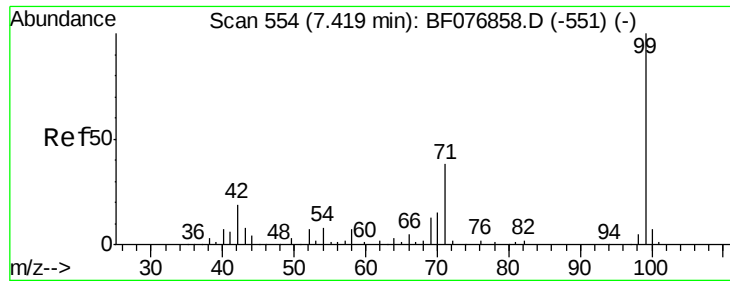


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 24.07 ng

RT: 7.10 min Scan# 544

Delta R.T. 0.01 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

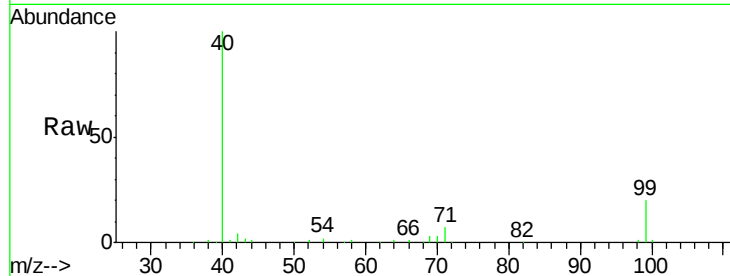
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 44780

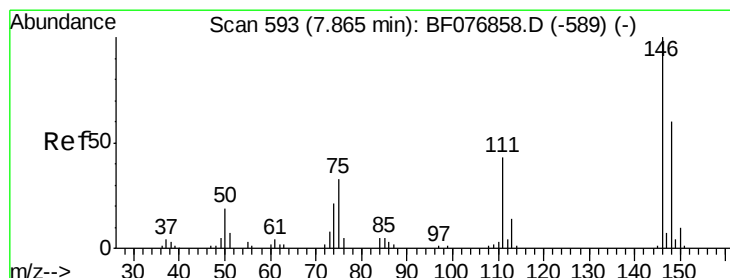
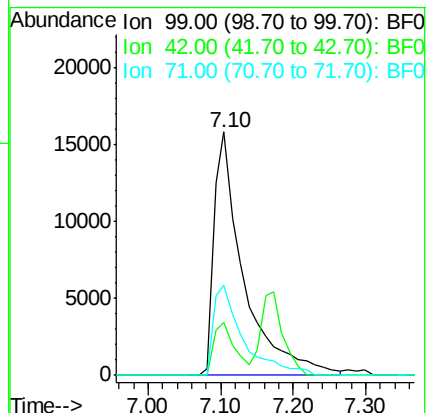
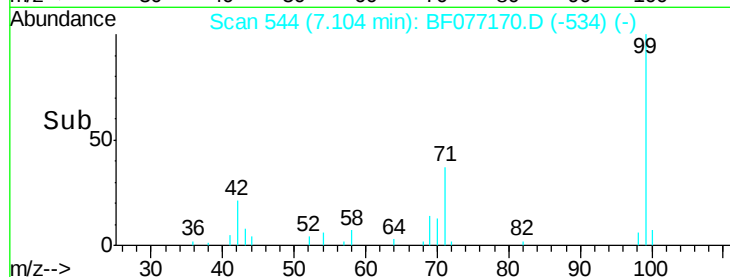
Ion	Ratio	Lower	Upper
99	100		
42	21.5	15.0	22.4
71	36.9	30.5	45.7



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



#12

1,3-Dichlorobenzene

Concen: 2.76 ng

RT: 7.54 min Scan# 582

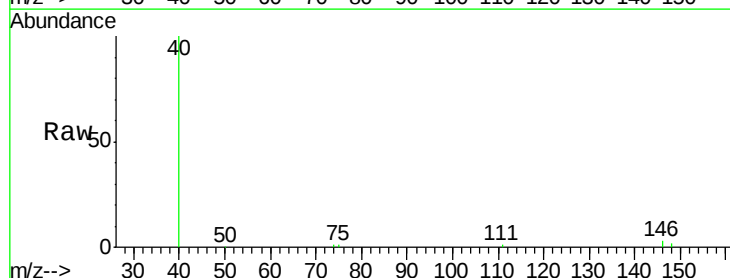
Delta R.T. 0.01 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

Tgt Ion: 146 Resp: 5346

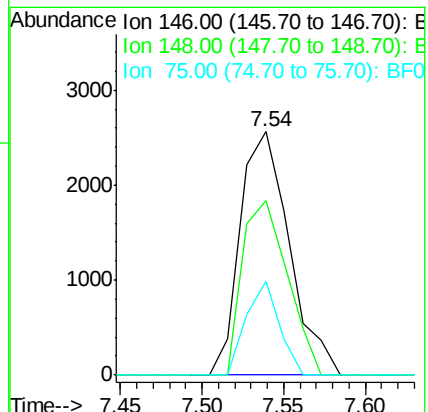
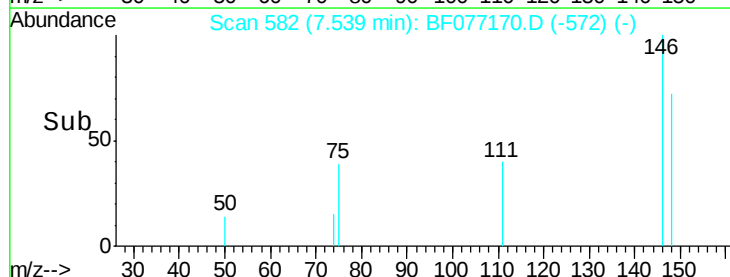
Ion	Ratio	Lower	Upper
146	100		
148	71.7	48.1	72.1
75	38.5	26.8	40.2

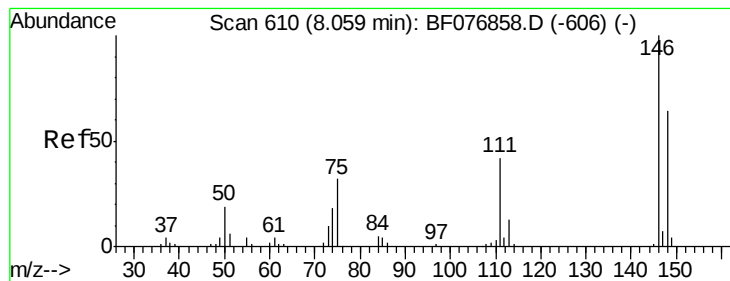


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 13.43 ng

RT: 7.72 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

Instrument :

BNA_F

ClientSampled :

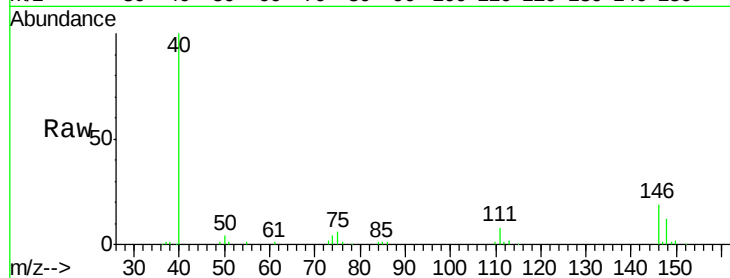
Tot Ion:146 Resp: 27544

Ion Ratio Lower Upper

146 100

148 64.0 51.5 77.3

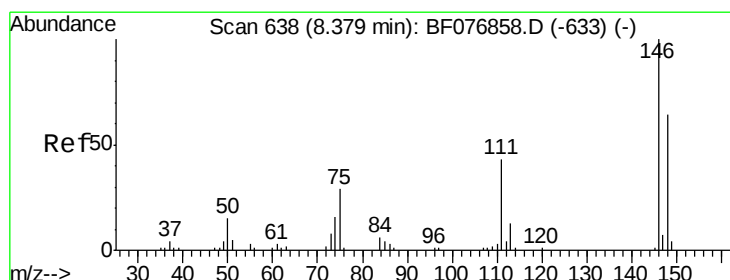
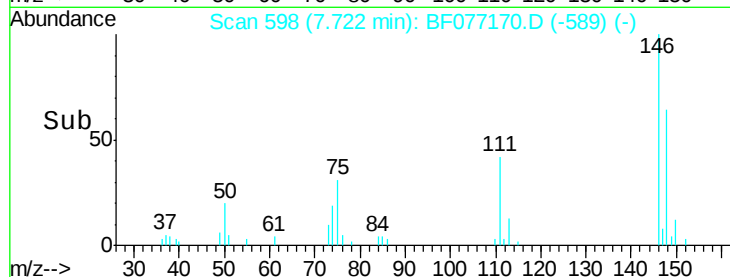
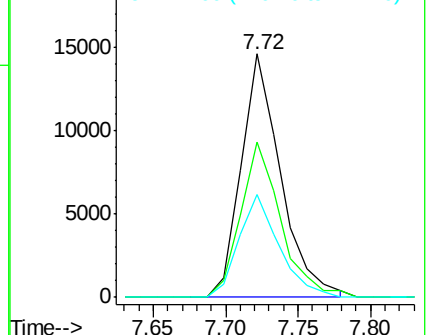
111 42.1 33.9 50.9



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: 252.58 ng

RT: 8.04 min Scan# 626

Delta R.T. 0.01 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

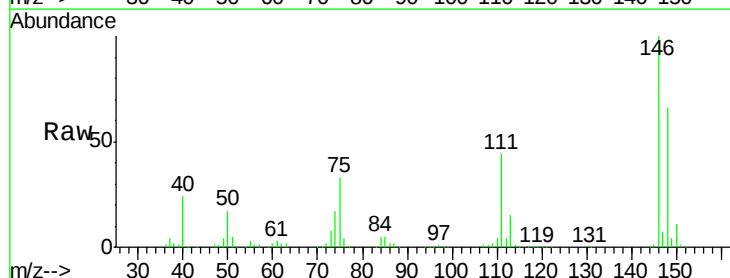
Tgt Ion:146 Resp: 477283

Ion Ratio Lower Upper

146 100

148 66.4 51.3 76.9

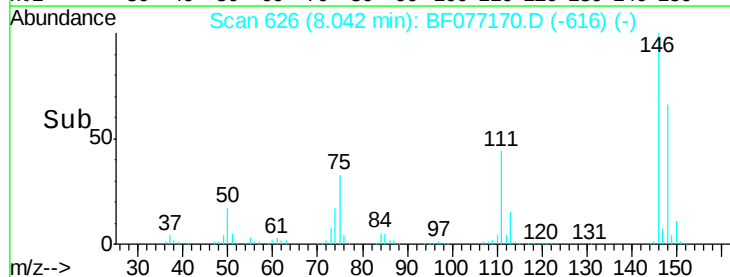
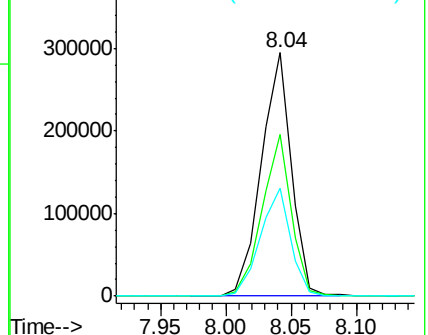
111 44.3 34.5 51.7

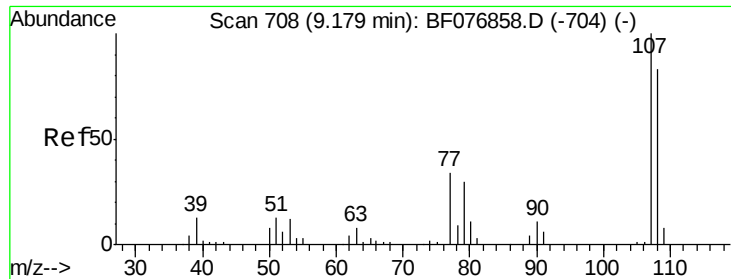


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#20

3+4-Methylphenols

Concen: 2.63 ng

RT: 8.90 min Scan# 701

Delta R.T. 0.02 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 4845

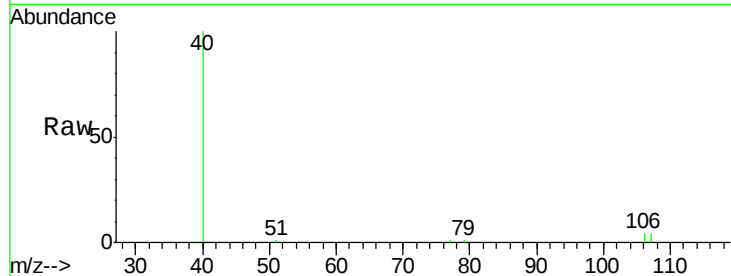
Ion Ratio Lower Upper

107 100

108 0.0 63.5 103.5#

77 20.5 14.0 54.0

79 15.7 9.9 49.9

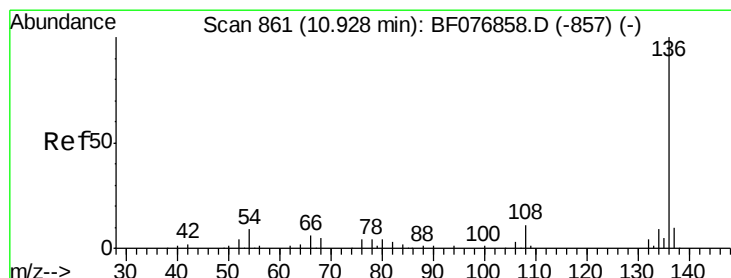
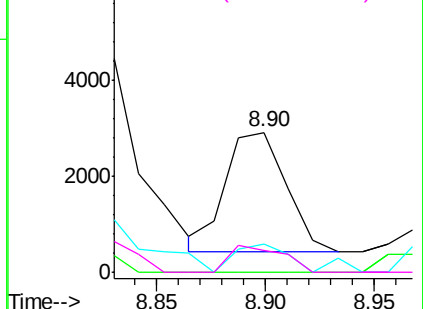
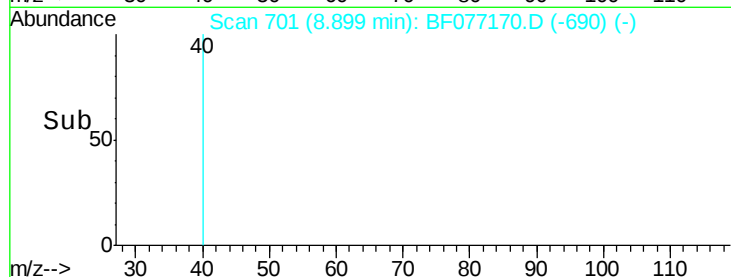


Abundance Ion 107.00 (106.70 to 107.70): E

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: 10.59 min Scan# 849

Delta R.T. -0.00 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

Tgt Ion:136 Resp: 96129

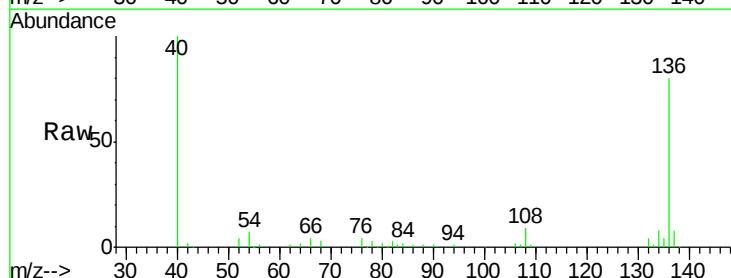
Ion Ratio Lower Upper

136 100

137 9.8 8.1 12.1

54 8.5 7.0 10.4

68 3.7 3.7 5.5

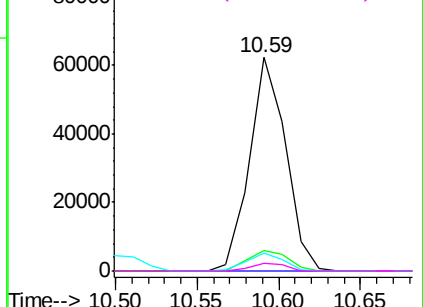
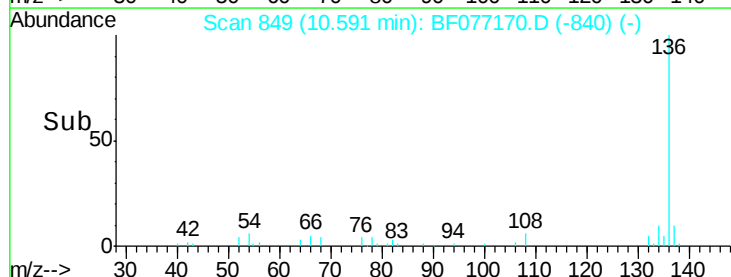


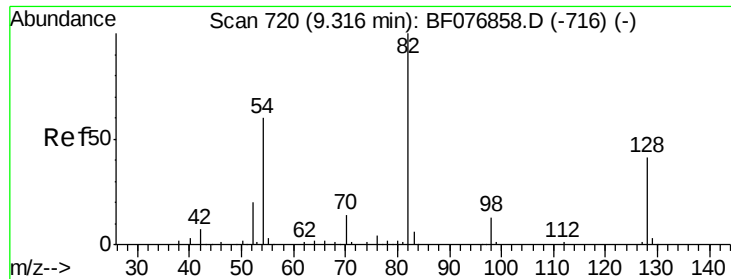
Abundance Ion 136.00 (135.70 to 136.70): E

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

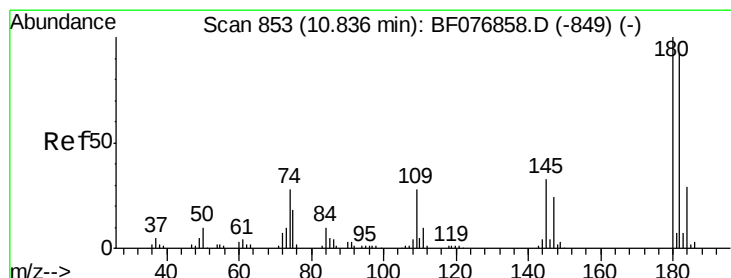
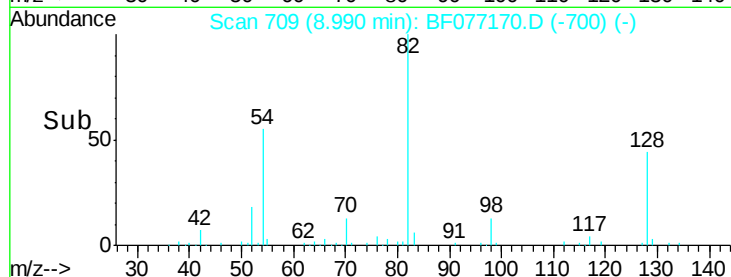
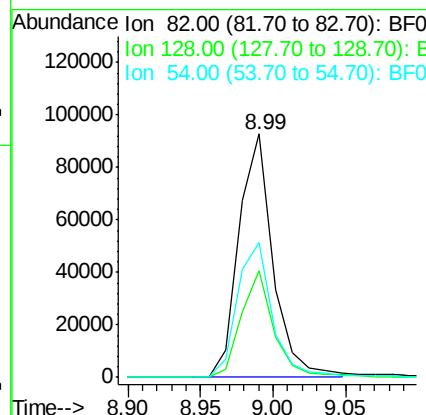
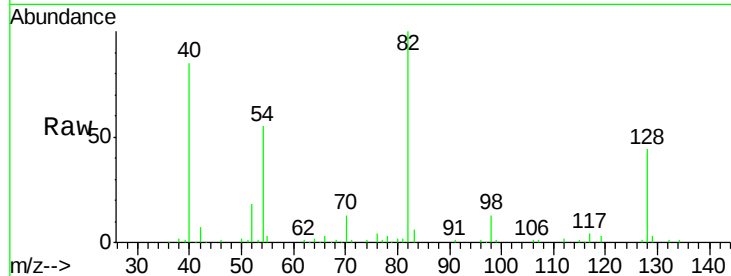




#23
 Nitrobenzene-d5
 Concen: 87.41 ng
 RT: 8.99 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

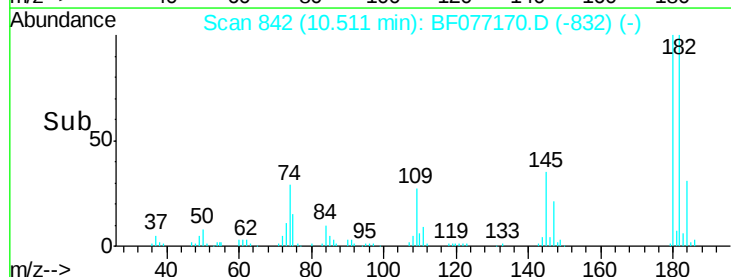
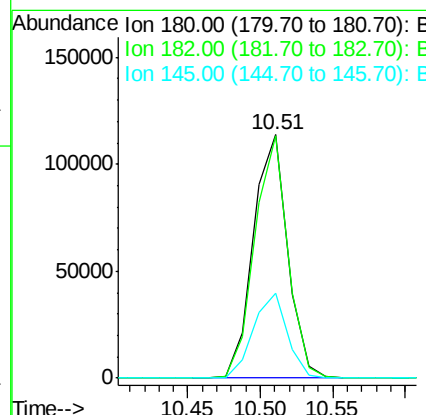
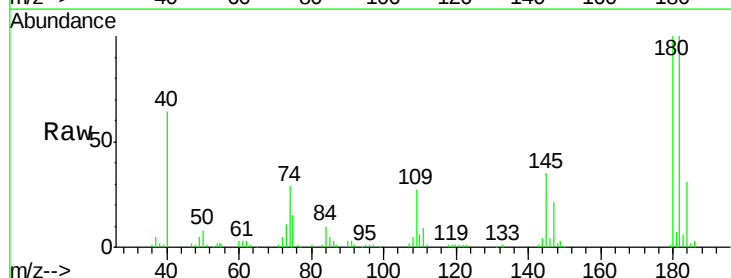
Instrument :
 BNA_F
 ClientSampleID :

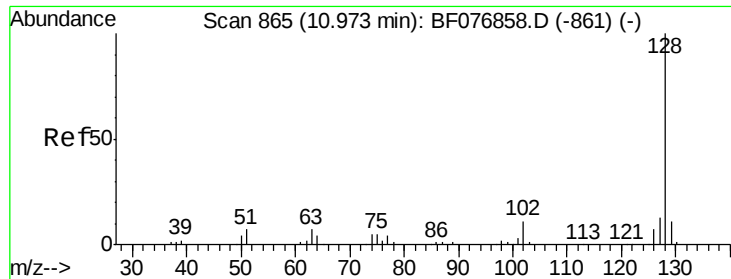
Tot Ion: 82 Resp: 151667
 Ion Ratio Lower Upper
 82 100
 128 43.6 33.1 49.7
 54 55.2 48.3 72.5



#30
 1,2,4-Trichlorobenzene
 Concen: 131.53 ng
 RT: 10.51 min Scan# 842
 Delta R.T. 0.01 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

Tgt Ion: 180 Resp: 186119
 Ion Ratio Lower Upper
 180 100
 182 99.6 73.6 110.4
 145 34.7 26.6 39.8

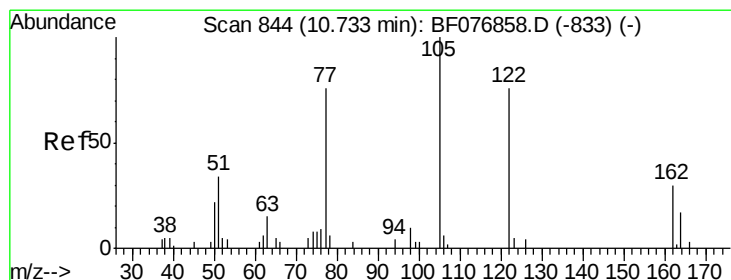
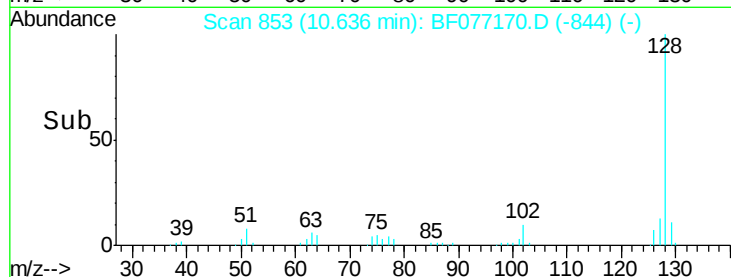
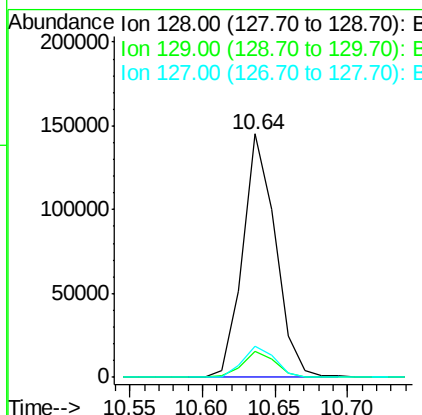
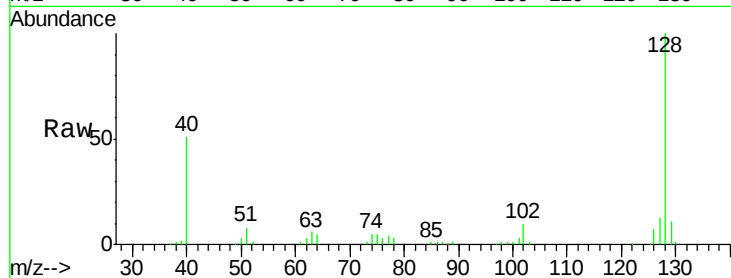




#31
Naphthalene
Concen: 45.90 ng
RT: 10.64 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

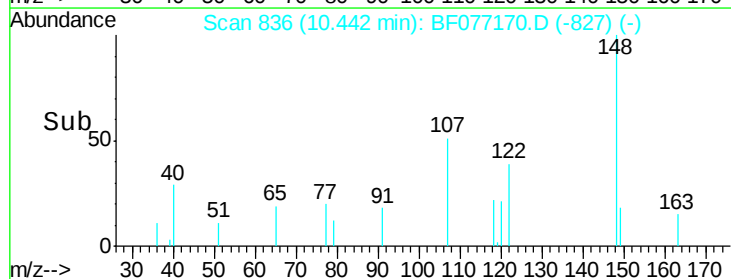
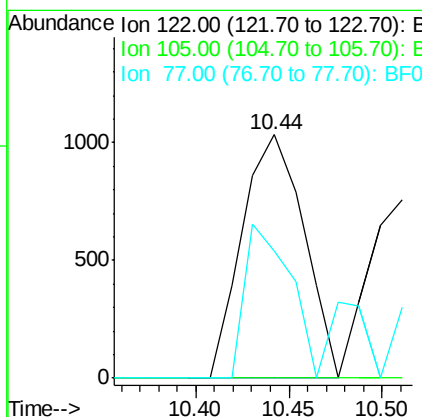
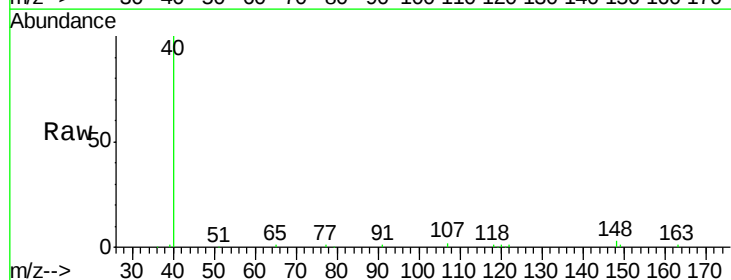
Instrument :
BNA_F
ClientSampleId :

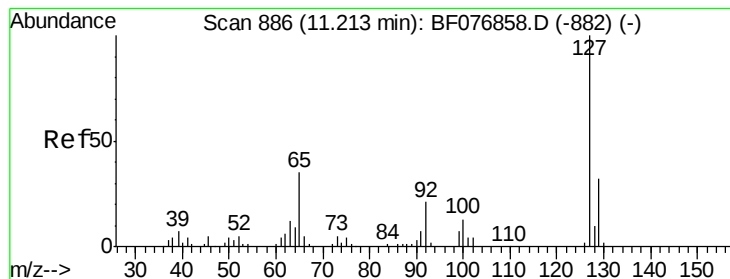
Tot Ion:128 Resp: 227147
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 12.7 10.2 15.2



#32
Benzoic acid
Concen: 3.15 ng
RT: 10.44 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

Tgt Ion:122 Resp: 2386
Ion Ratio Lower Upper
122 100
105 0.0 111.3 151.3#
77 52.1 79.2 119.2#





#33

4-Chloroaniline

Concen: 48.85 ng

RT: 10.90 min Scan# 876

Delta R.T. -0.00 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 97696

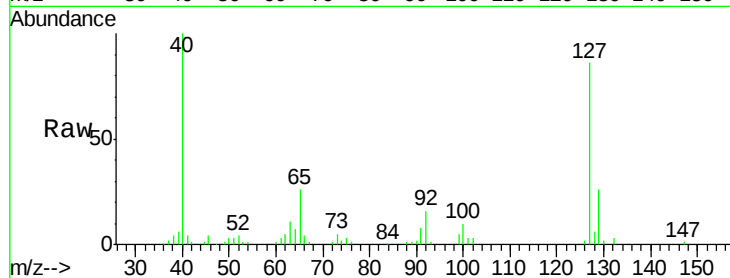
Ion Ratio Lower Upper

127 100

129 29.9 25.3 37.9

65 30.4 27.8 41.6

92 18.5 16.5 24.7

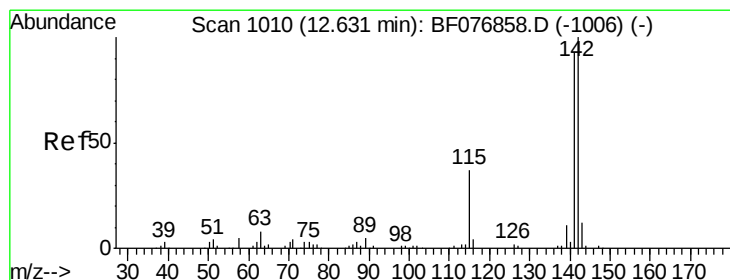
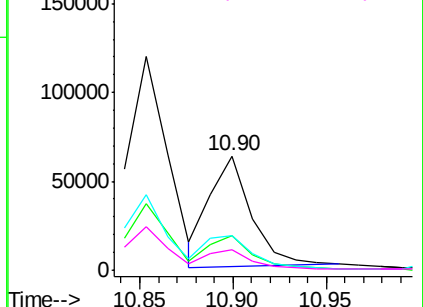
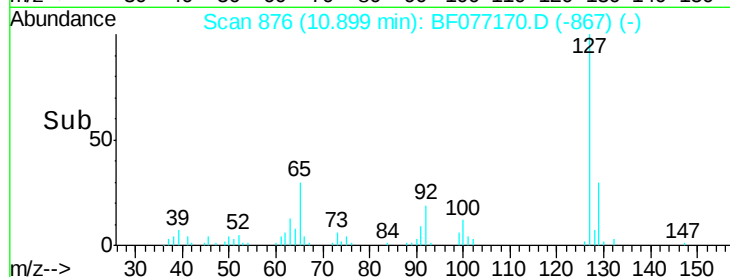


Abundance Ion 127.00 (126.70 to 127.70): E

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: 15.37 ng

RT: 12.29 min Scan# 998

Delta R.T. -0.00 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

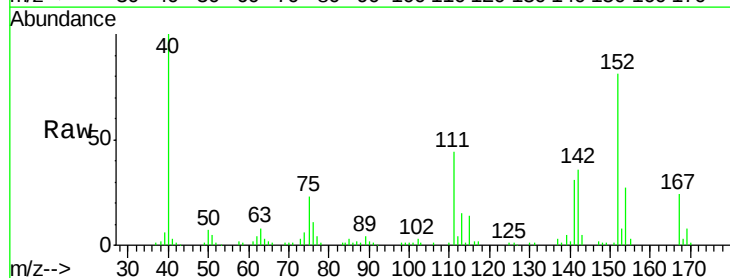
Tgt Ion:142 Resp: 51936

Ion Ratio Lower Upper

142 100

141 86.1 74.5 111.7

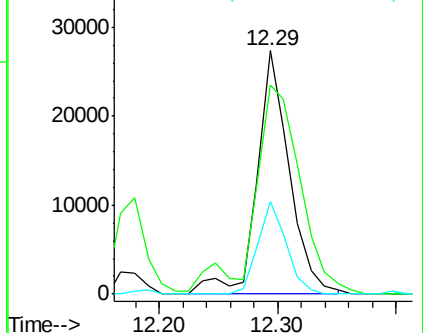
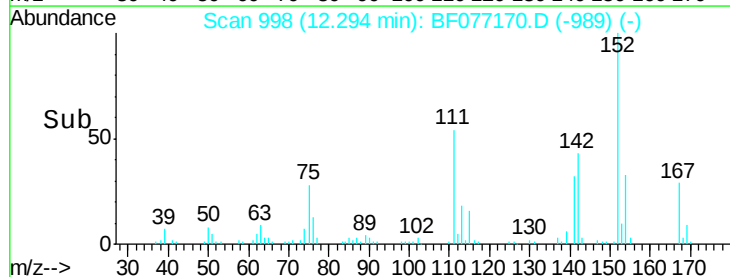
115 38.1 29.7 44.5

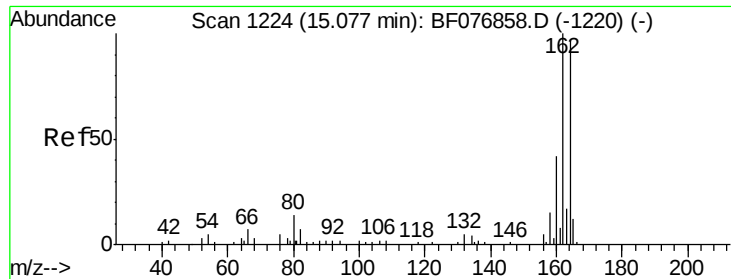


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

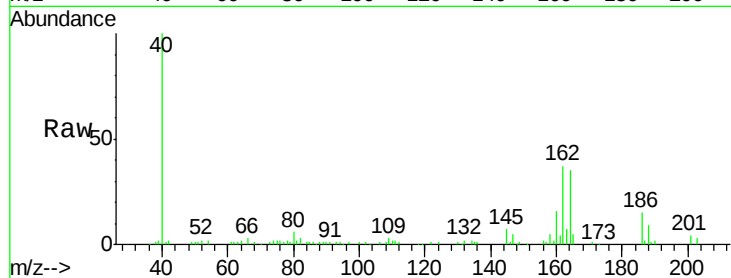




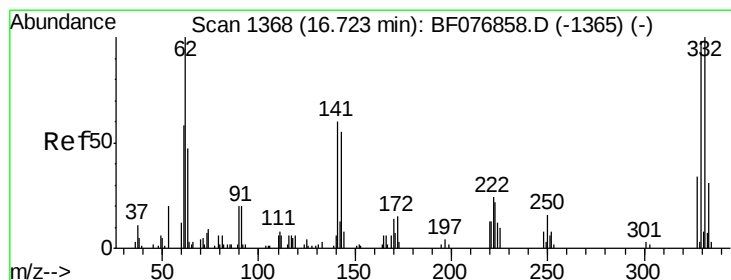
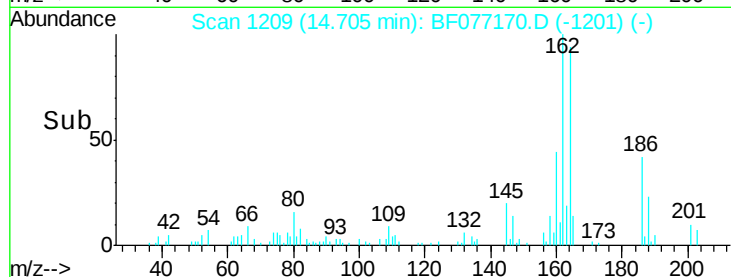
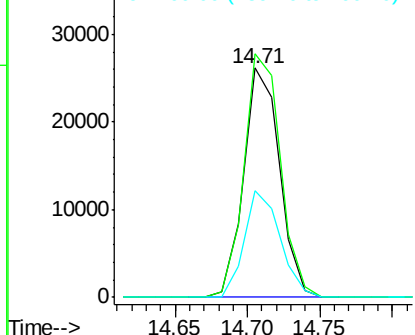
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.71 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 44888
Ion Ratio Lower Upper
164 100
162 106.2 82.4 123.6
160 46.6 34.8 52.2

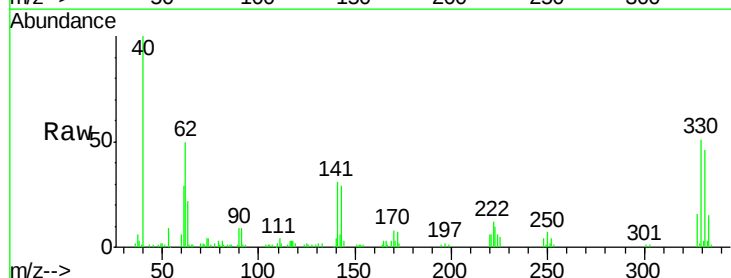


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

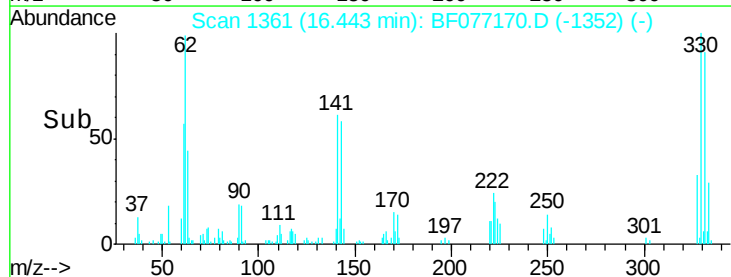
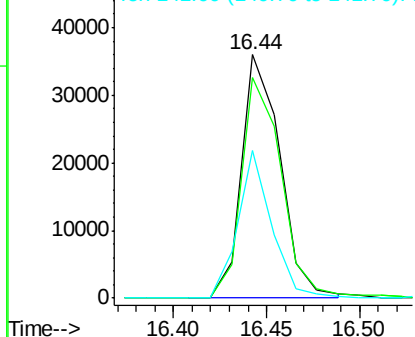


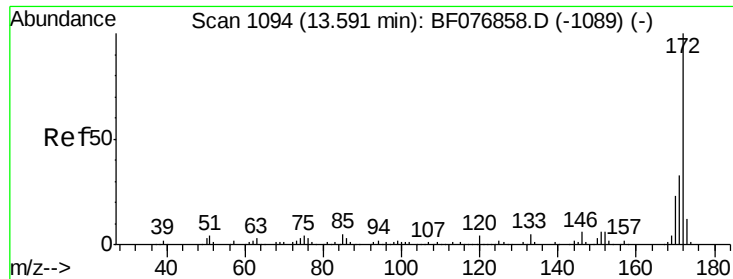
#41
2,4,6-Tribromophenol
Concen: 142.16 ng
RT: 16.44 min Scan# 1361
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

Tgt Ion:330 Resp: 51797
Ion Ratio Lower Upper
330 100
332 93.0 77.8 116.6
141 53.4 38.5 57.7



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

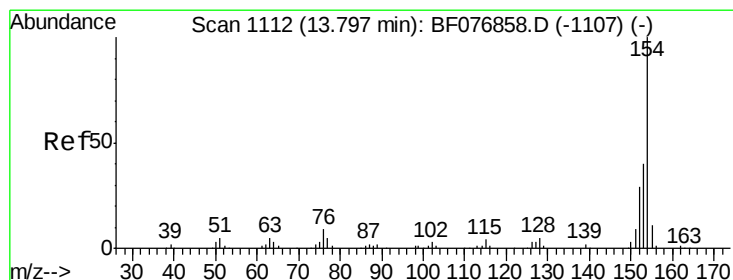
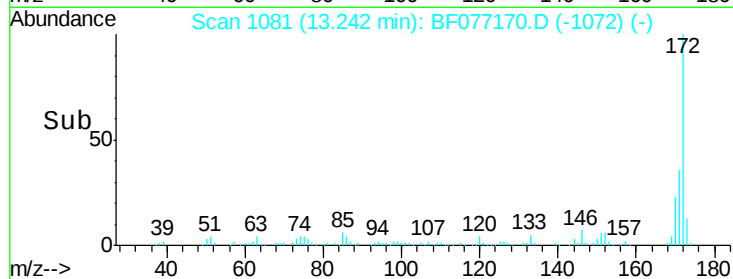
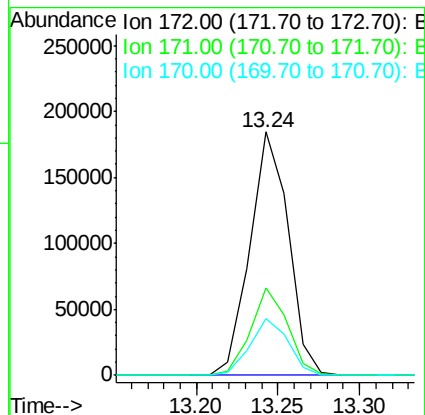
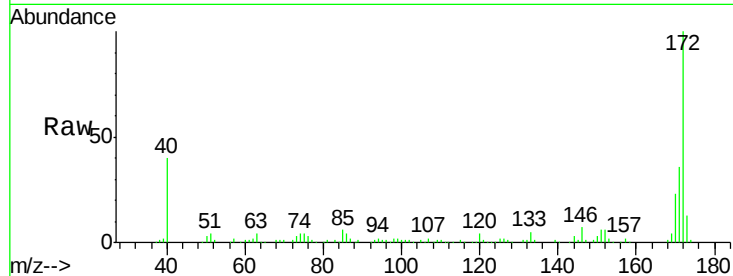




#44
2-Fluorobiphenyl
Concen: 102.34 ng
RT: 13.24 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

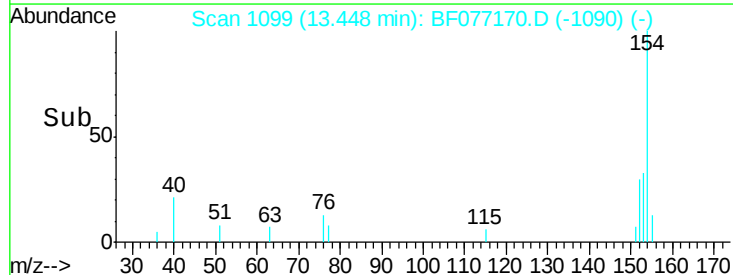
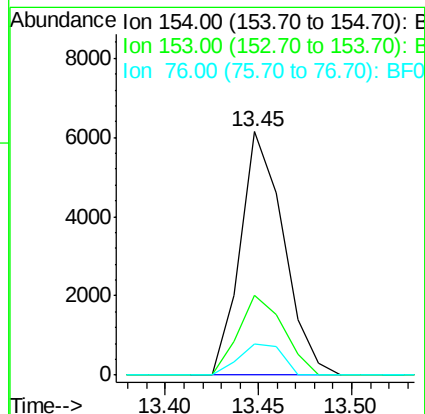
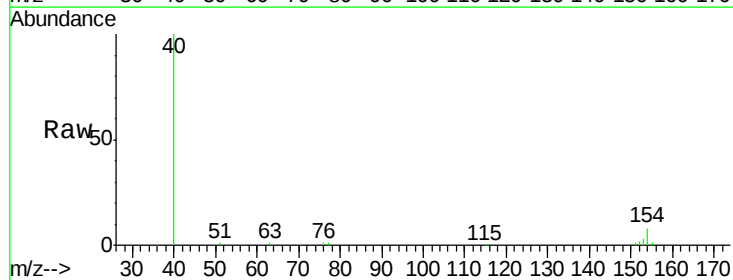
Instrument :
BNA_F
ClientSampleId :

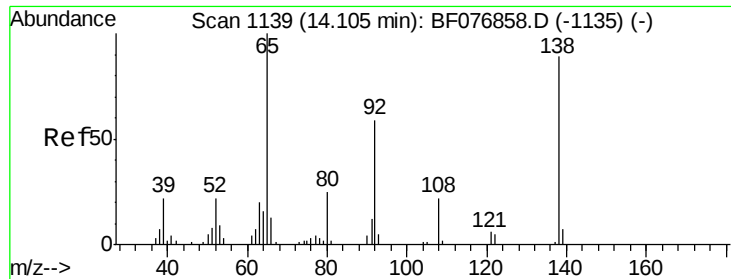
Tot Ion:172 Resp: 301864
Ion Ratio Lower Upper
172 100
171 36.0 26.6 40.0
170 23.2 18.0 27.0



#45
1,1'-Biphenyl
Concen: 2.99 ng
RT: 13.45 min Scan# 1099
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

Tgt Ion:154 Resp: 9939
Ion Ratio Lower Upper
154 100
153 32.8 20.2 60.2
76 12.8 0.0 29.0





#47

2-Nitroaniline

Concen: 2.12 ng

RT: 13.72 min Scan# 1123

Delta R.T. -0.05 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

Instrument :

BNA_F

ClientSampled :

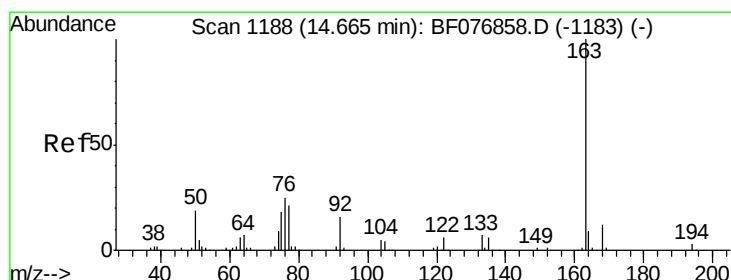
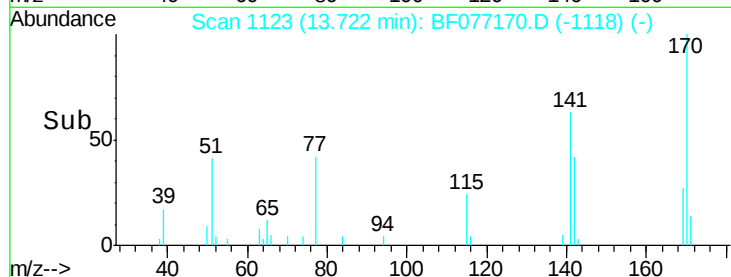
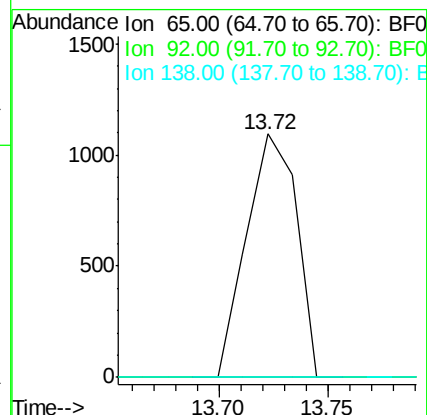
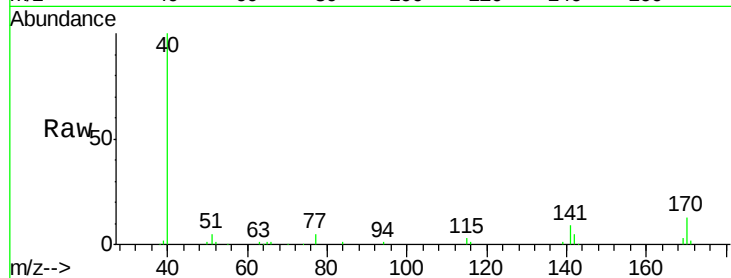
Tot Ion: 65 Resp: 1758

Ion Ratio Lower Upper

65 100

92 0.0 47.3 70.9#

138 0.0 71.4 107.2#



#49

Dimethylphthalate

Concen: 3.50 ng

RT: 14.32 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

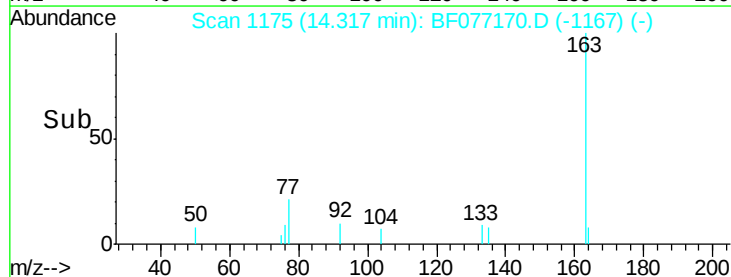
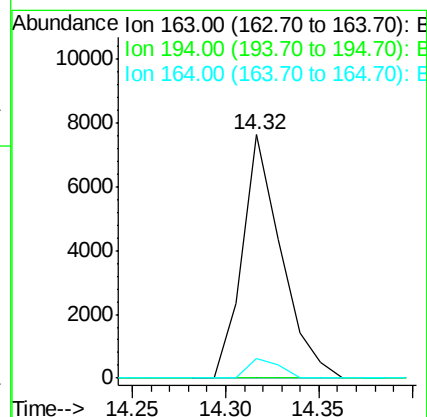
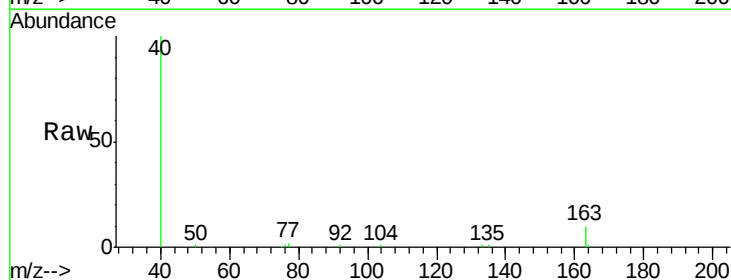
Tgt Ion: 163 Resp: 11151

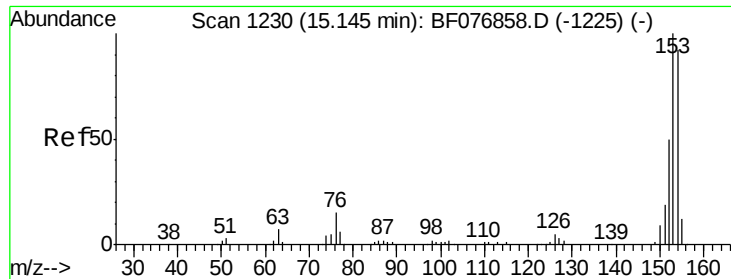
Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

164 8.3 7.5 11.3





#51

Acenaphthene

Concen: 5.55 ng

RT: 14.79 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

Instrument :

BNA_F

ClientSampleId :

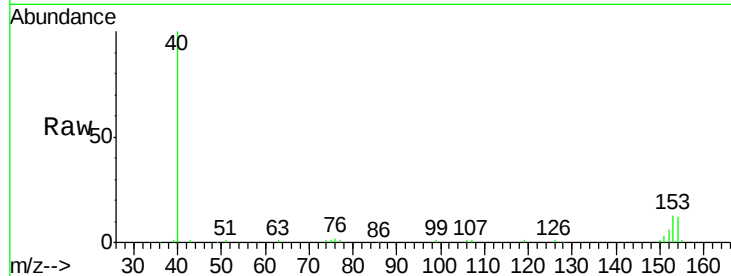
Tot Ion:154 Resp: 14538

Ion Ratio Lower Upper

154 100

153 106.7 87.0 130.6

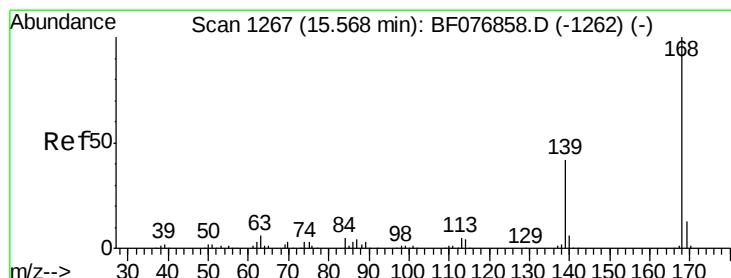
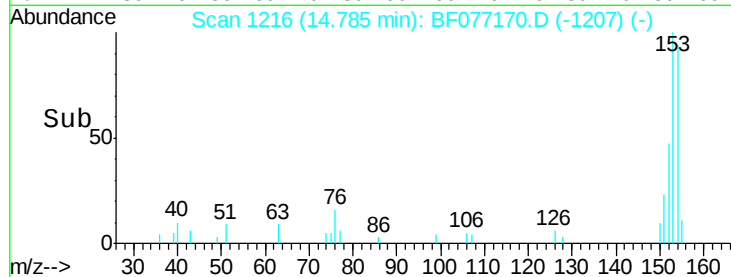
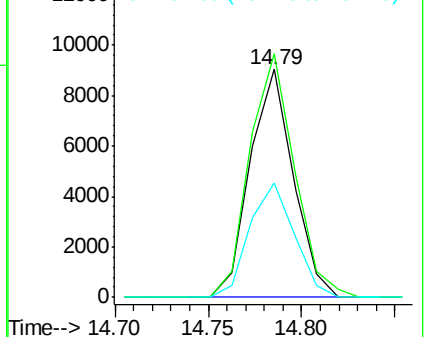
152 50.3 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.71 ng

RT: 15.22 min Scan# 1254

Delta R.T. 0.01 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

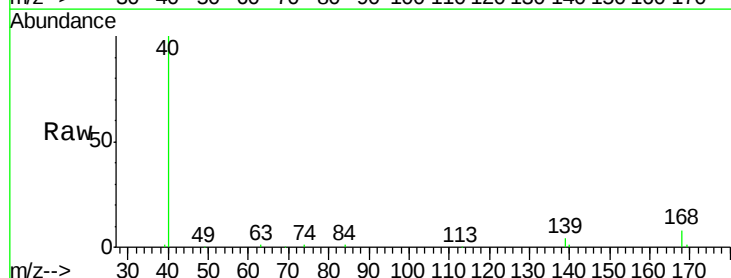
Tgt Ion:168 Resp: 10343

Ion Ratio Lower Upper

168 100

139 42.0 33.4 50.2

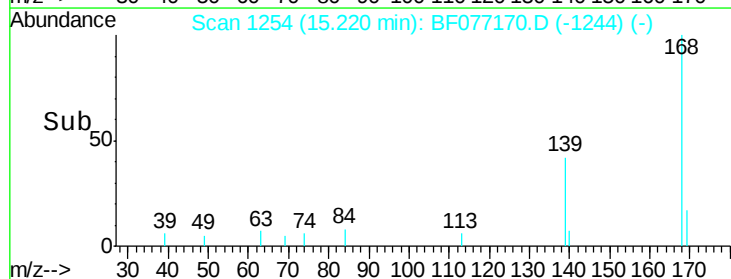
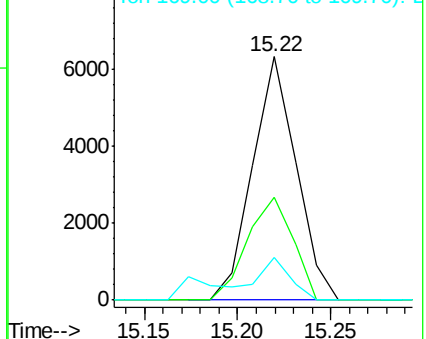
169 17.4 10.6 15.8#

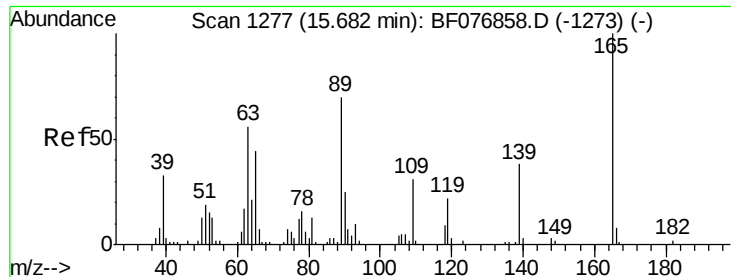


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

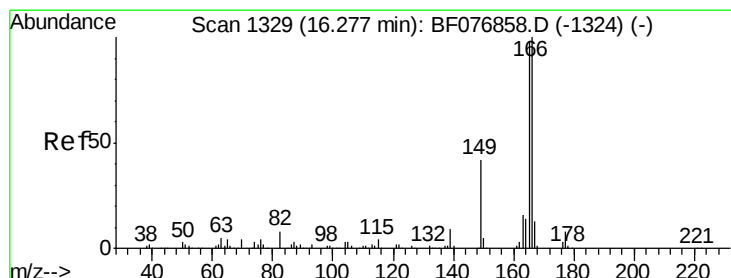
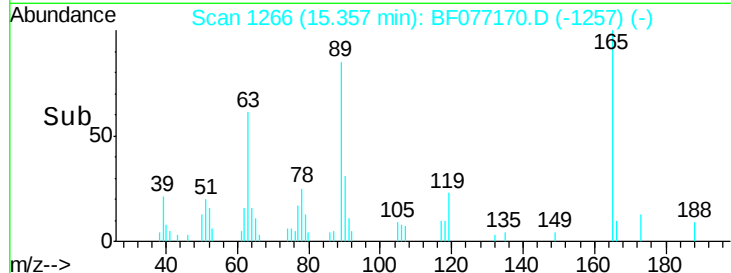
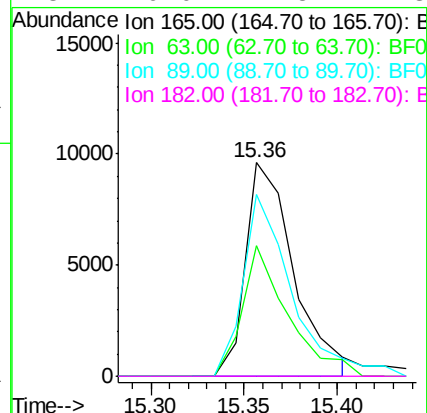
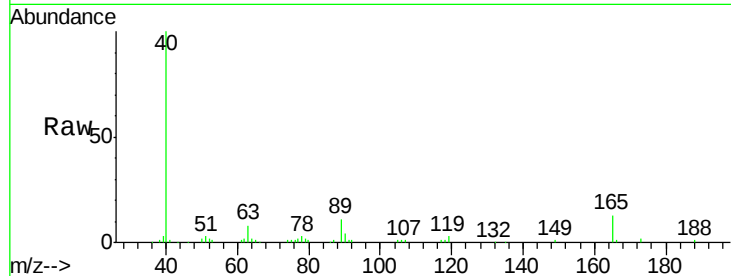




#56
2,4-Dinitrotoluene
Concen: 19.59 ng
RT: 15.36 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

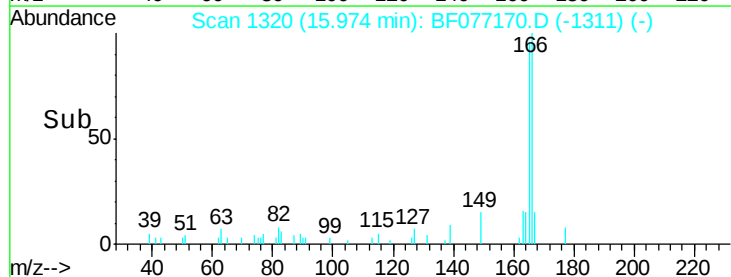
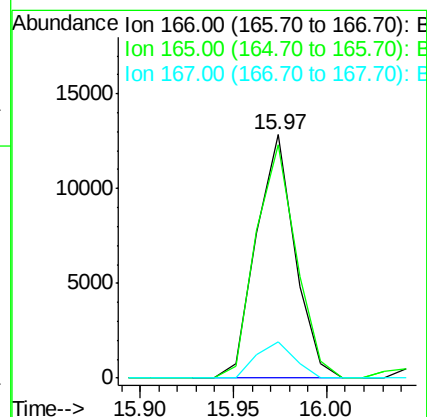
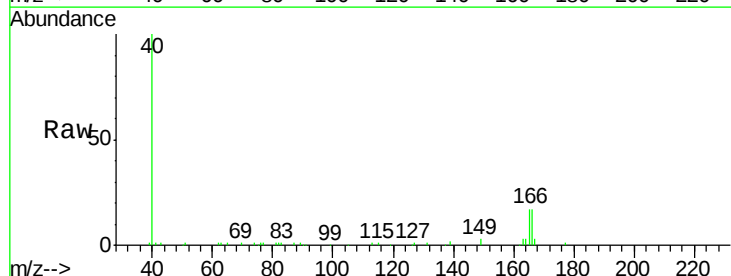
Instrument :
BNA_F
ClientSampleId :

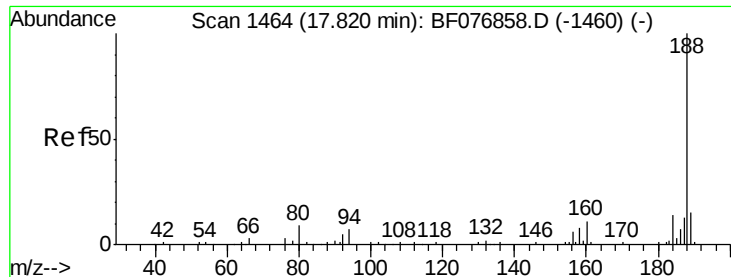
Tot Ion	Ratio	Lower	Upper
165	100		
63	61.3	44.8	67.2
89	84.9	56.2	84.2#
182	0.0	1.5	2.3#



#57
Fluorene
Concen: 5.70 ng
RT: 15.97 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.5	117.7
167	14.9	10.4	15.6

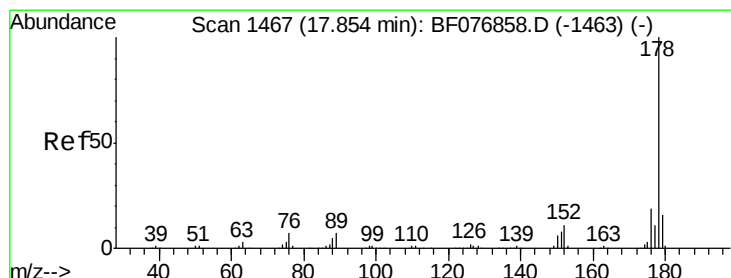
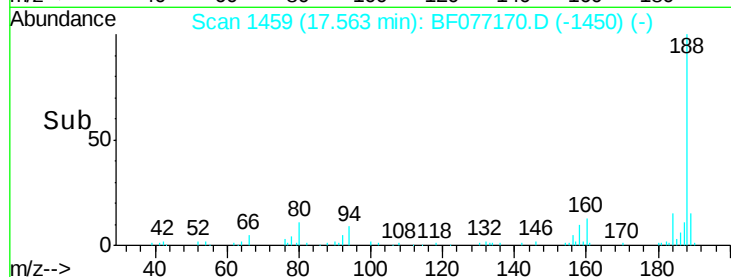
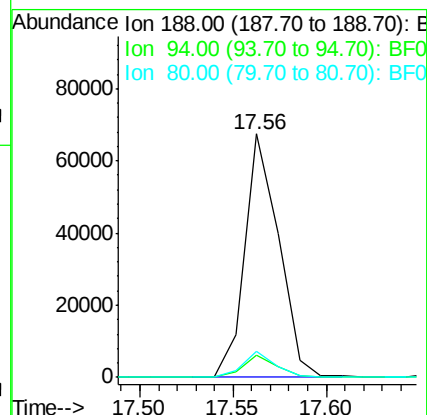
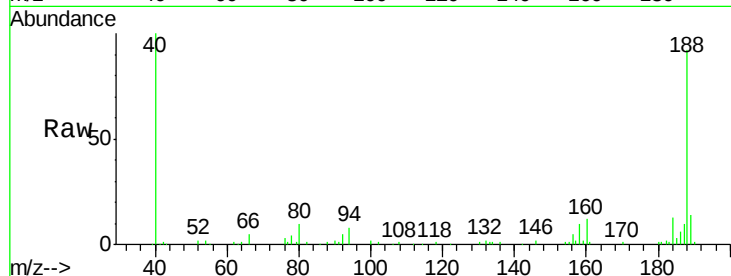




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 1459
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

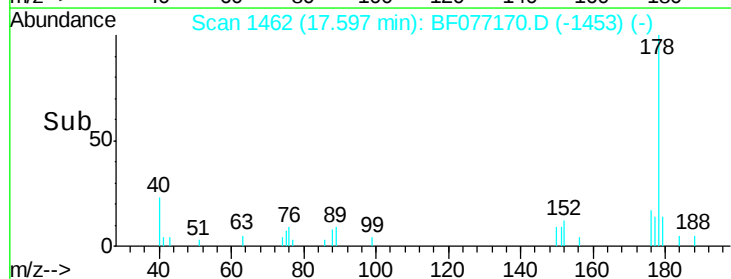
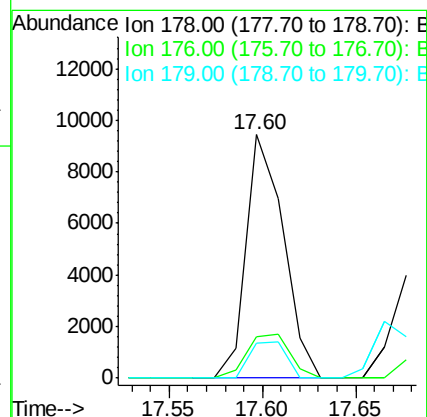
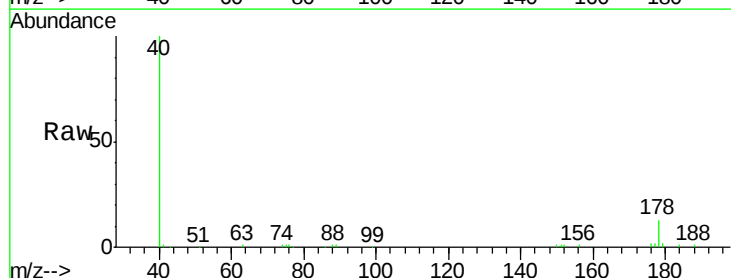
Instrument :
BNA_F
ClientSampleId :

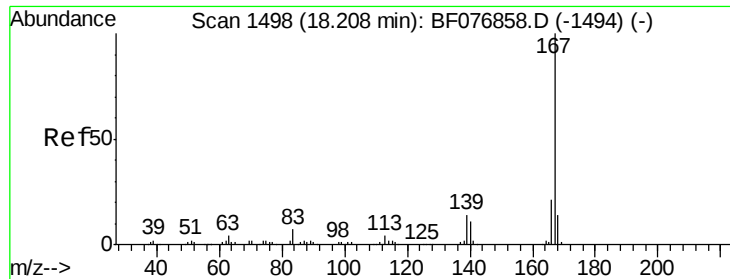
Tot Ion:188 Resp: 85349
Ion Ratio Lower Upper
188 100
94 8.9 6.0 9.0
80 10.5 6.9 10.3#



#70
Phenanthrene
Concen: 2.47 ng
RT: 17.60 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

Tgt Ion:178 Resp: 13124
Ion Ratio Lower Upper
178 100
176 17.0 15.1 22.7
179 14.3 12.7 19.1

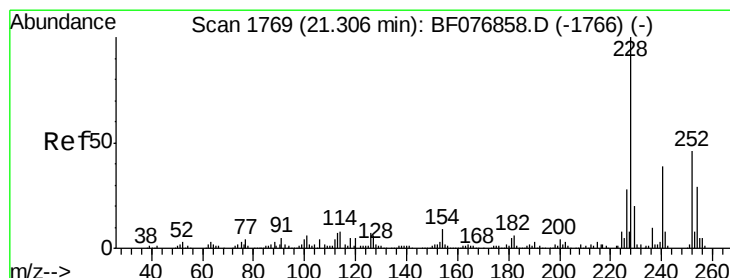
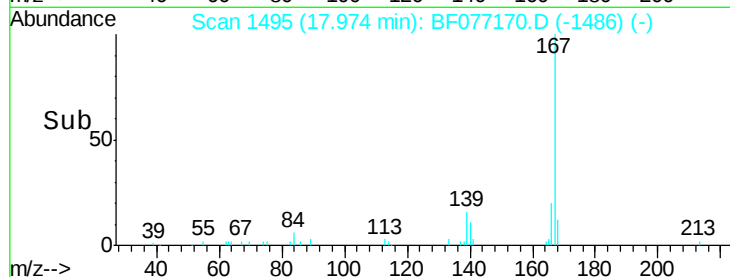
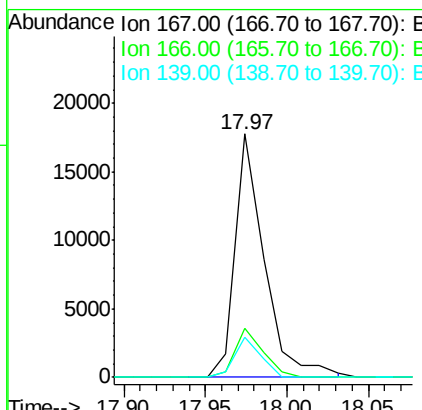
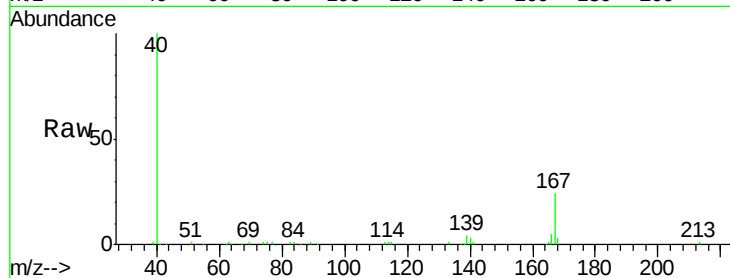




#72
 Carbazole
 Concen: 4.37 ng
 RT: 17.97 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

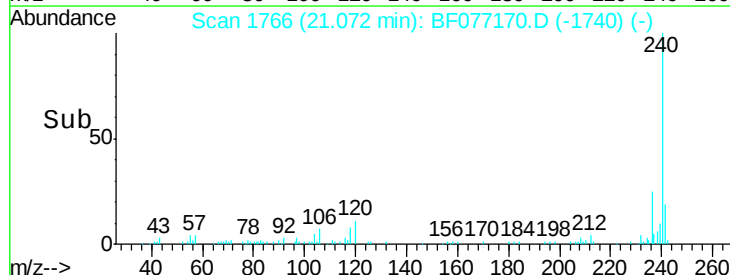
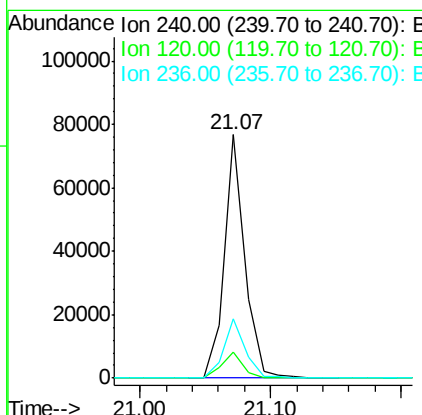
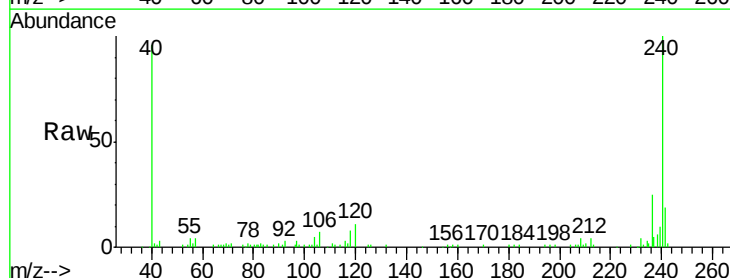
Instrument :
 BNA_F
 ClientSampleId :

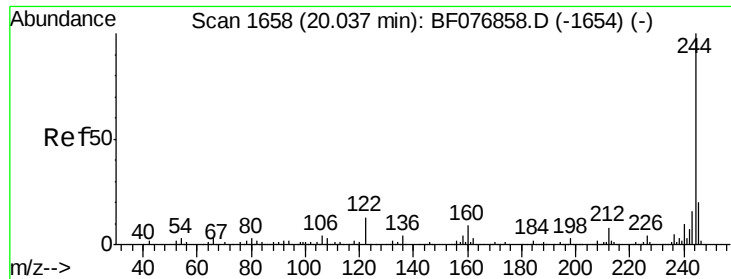
Tot Ion:167 Resp: 22013
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.0 25.6
 139 16.5 11.3 16.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.07 min Scan# 1766
 Delta R.T. -0.00 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

Tgt Ion:240 Resp: 83596
 Ion Ratio Lower Upper
 240 100
 120 10.6 10.4 15.6
 236 24.6 20.2 30.2

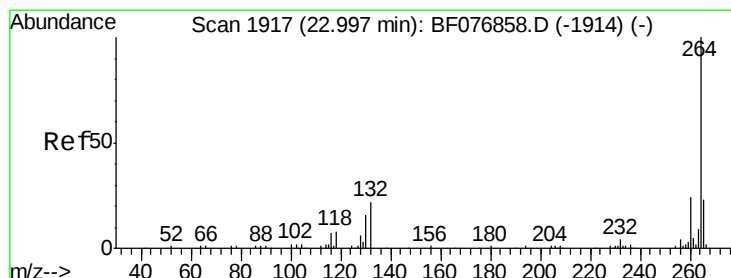
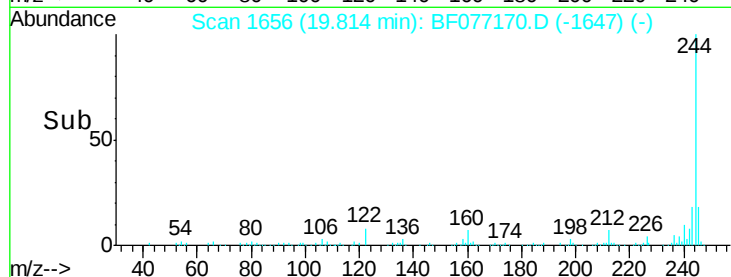
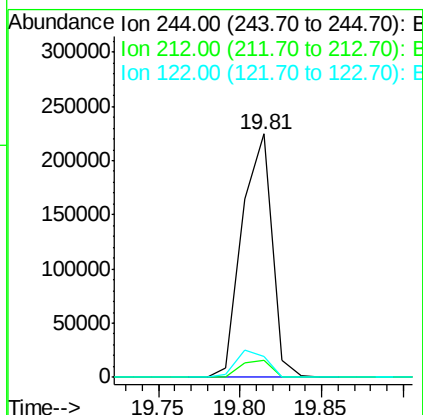
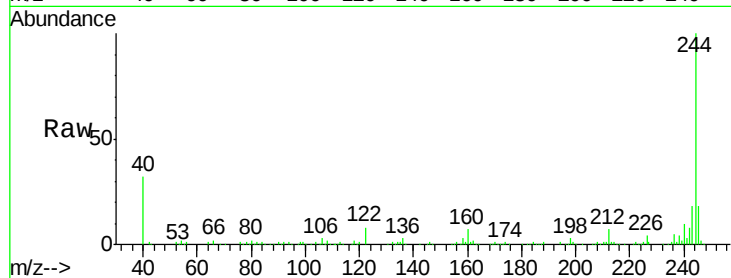




#78
 Terphenyl-d14
 Concen: 78.28 ng
 RT: 19.81 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 284258
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.3 9.5
 122 8.3 10.1 15.1#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 22.73 min Scan# 1911
 Delta R.T. -0.02 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

Tgt Ion:264 Resp: 79177
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.4
 265 21.6 18.1 27.1

