

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 :
 DCW-WW-051-13015

Quant Time: Feb 04 02:22:45 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

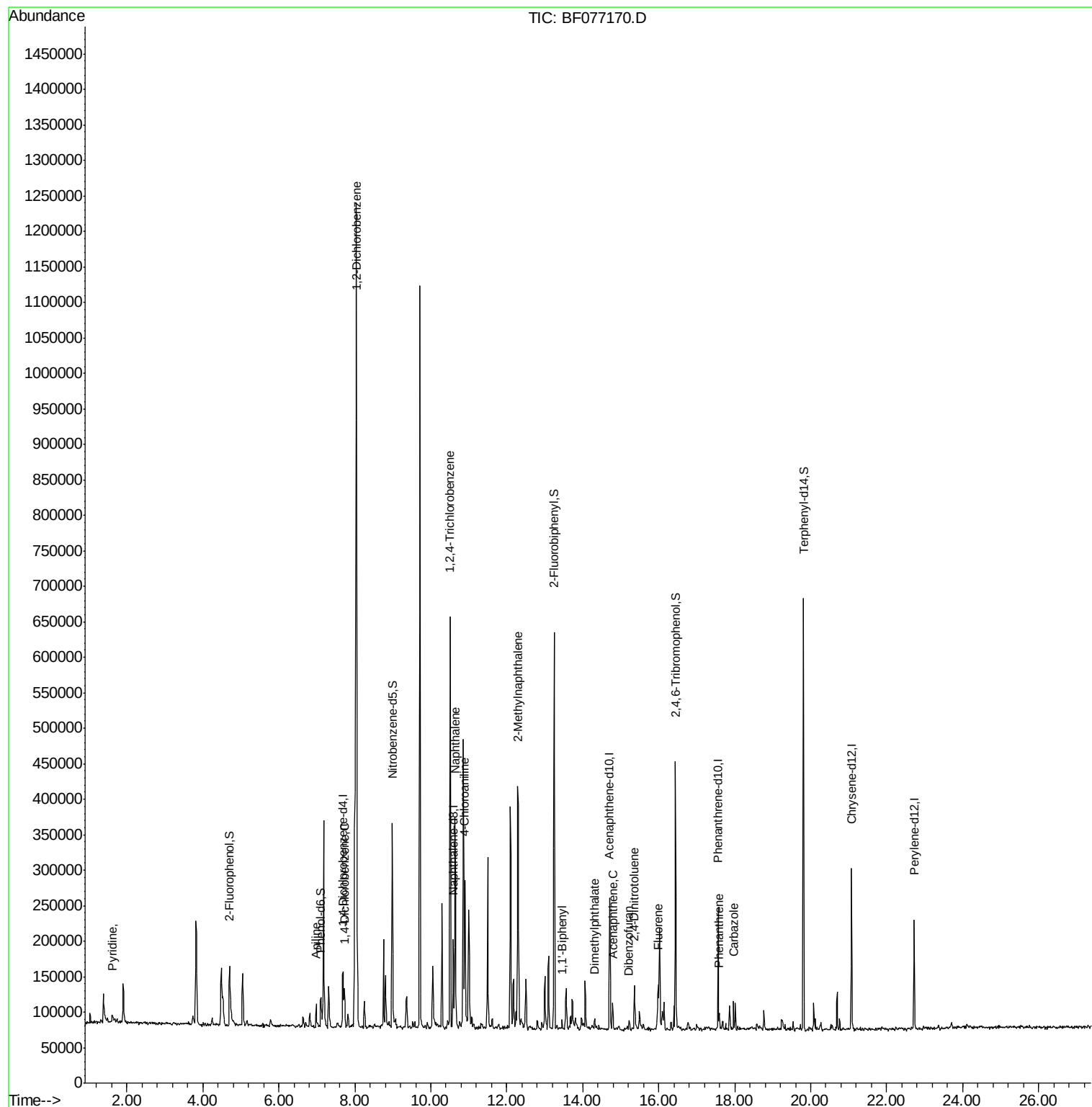
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	1.61	79	11380	6.97	ng	# 88
6) Aniline	6.98	93	21738	8.44	ng	98
13) 1,4-Dichlorobenzene	7.72	146	27544	13.43	ng	100
14) 1,2-Dichlorobenzene	8.04	146	477283	252.58	ng	98
30) 1,2,4-Trichlorobenzene	10.51	180	186119	131.53	ng	93
31) Naphthalene	10.64	128	227147	45.90	ng	99
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
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

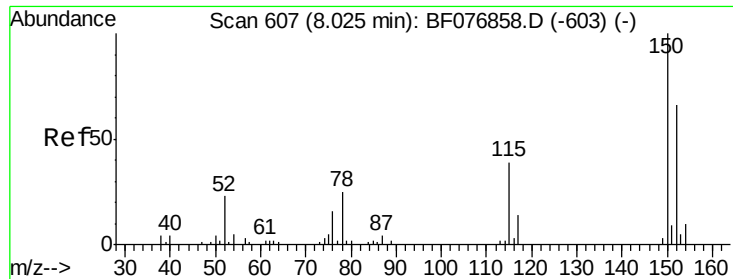
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020315\
Data File : BF077170.D
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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 :

DCW-WW-051-13015

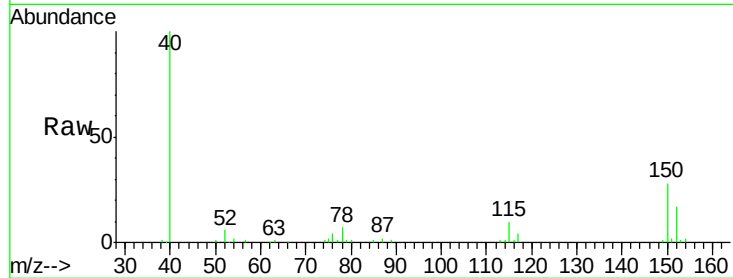
Tgt Ion:152 Resp: 24243

Ion Ratio Lower Upper

152 100

150 168.9 121.7 182.5

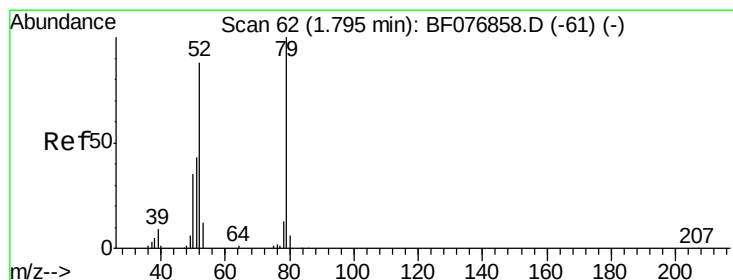
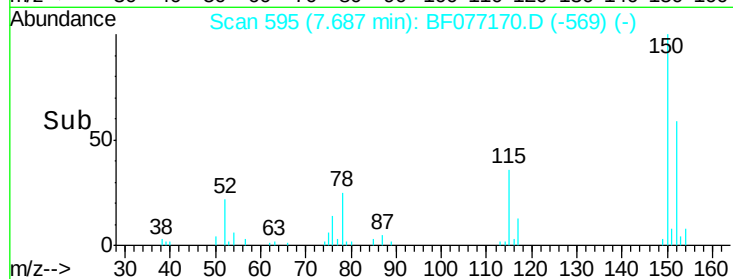
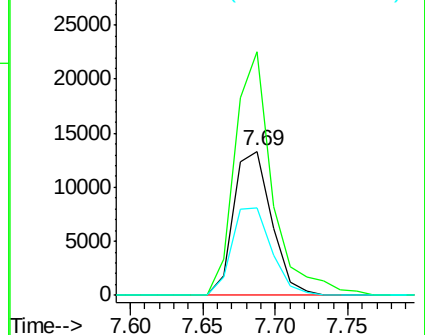
115 60.4 47.0 70.6



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

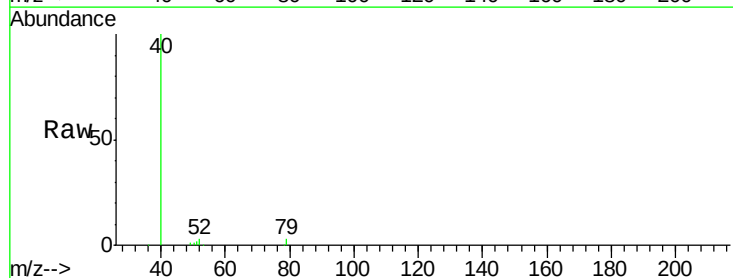
Tgt Ion: 79 Resp: 11380

Ion Ratio Lower Upper

79 100

52 94.2 70.1 105.1

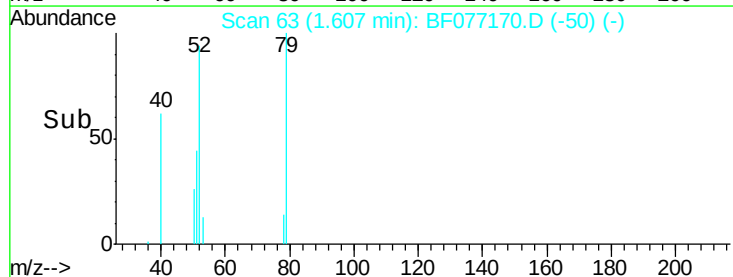
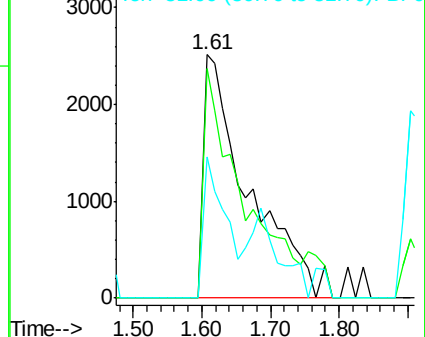
51 58.2 35.1 52.7#

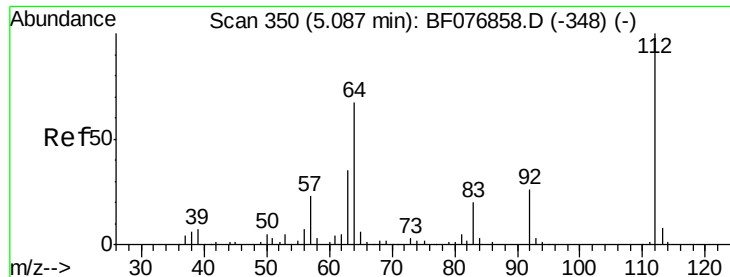


Abundance Ion 79.00 (78.70 to 79.70): BF0

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

ClientSampleId :

DCW-WW-051-13015

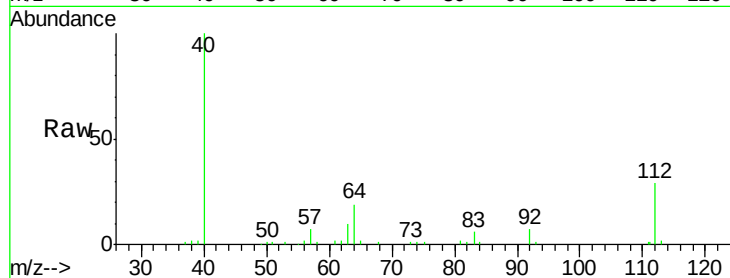
Tgt Ion: 112 Resp: 63149

Ion Ratio Lower Upper

112 100

64 64.7 54.2 81.4

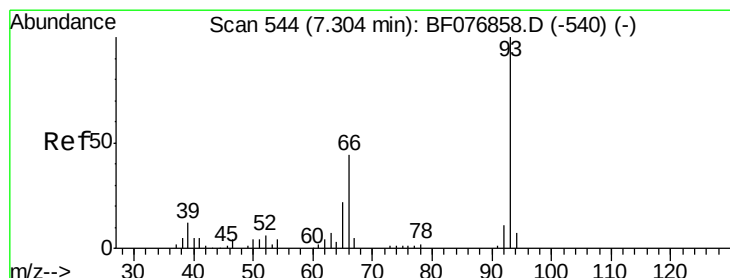
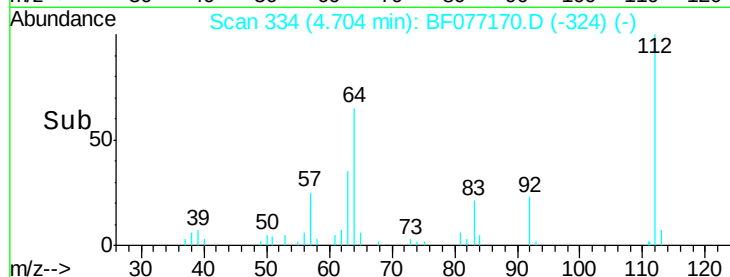
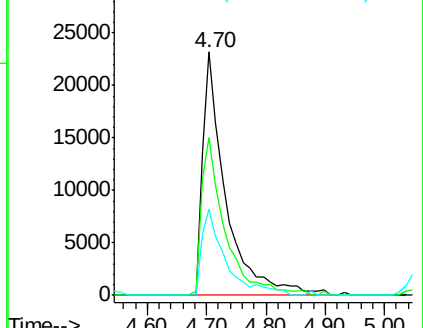
63 35.2 28.4 42.6



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

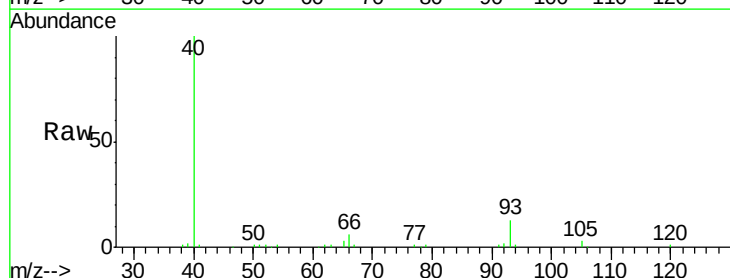
Tgt Ion: 93 Resp: 21738

Ion Ratio Lower Upper

93 100

66 41.8 35.0 52.4

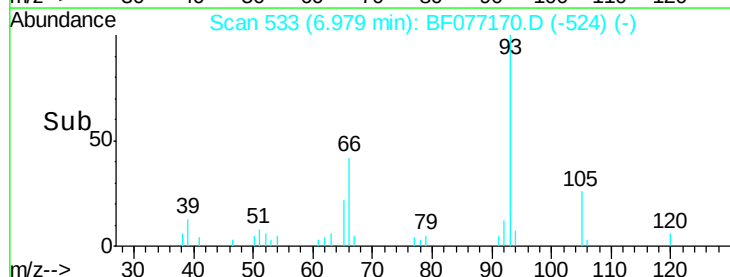
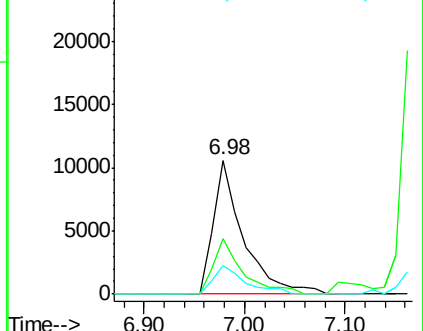
65 21.8 17.7 26.5

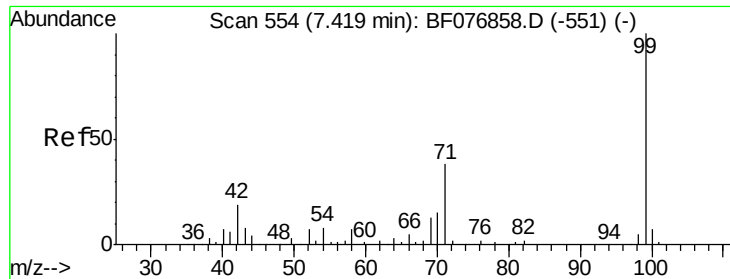


Abundance Ion 93.00 (92.70 to 93.70): BF0

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 :

DCW-WW-051-13015

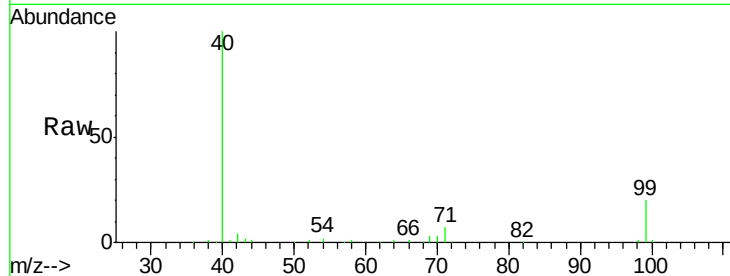
Tgt Ion: 99 Resp: 44780

Ion Ratio Lower Upper

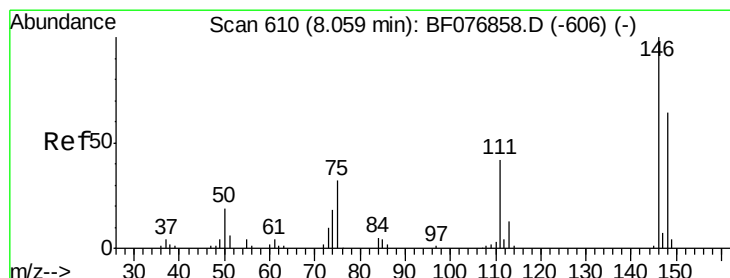
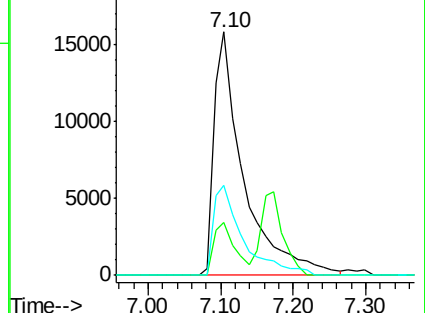
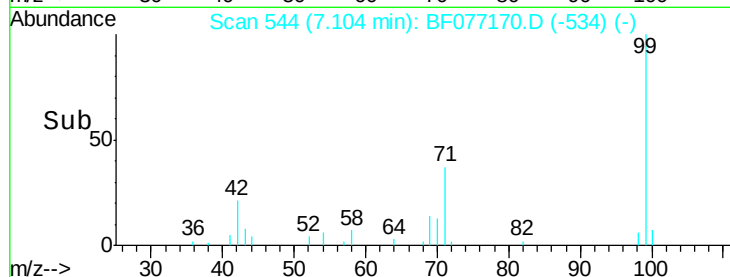
99 100

42 21.5 15.0 22.4

71 36.9 30.5 45.7



Abundance Ion 99.00 (98.70 to 99.70): BF077170.D (-534) (-)



#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

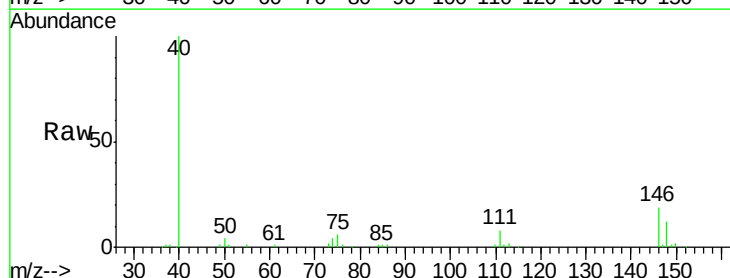
Tgt Ion: 146 Resp: 27544

Ion Ratio Lower Upper

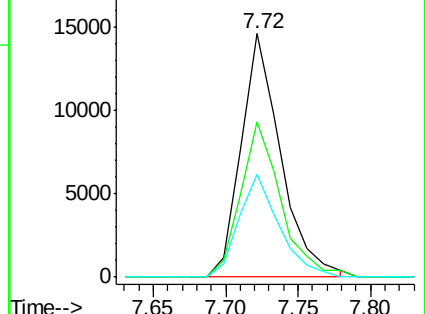
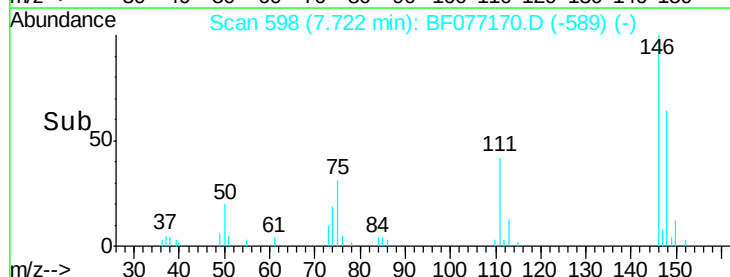
146 100

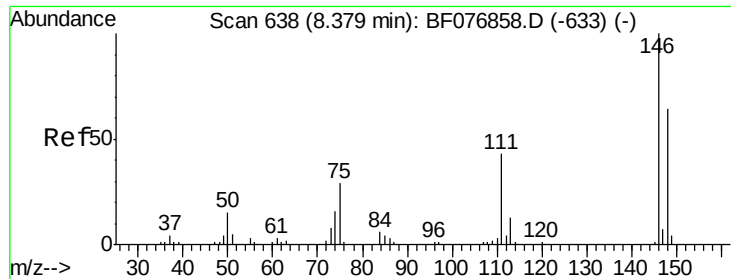
148 64.0 51.5 77.3

111 42.1 33.9 50.9



Abundance Ion 146.00 (145.70 to 146.70): BF077170.D (-589) (-)

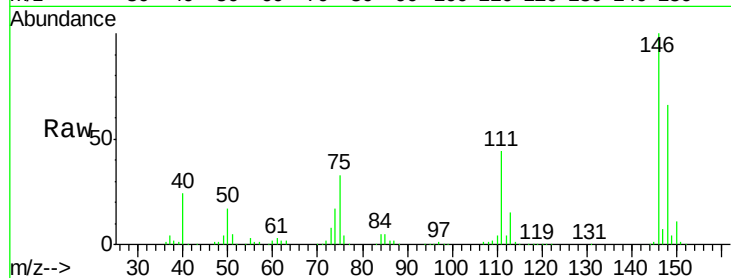




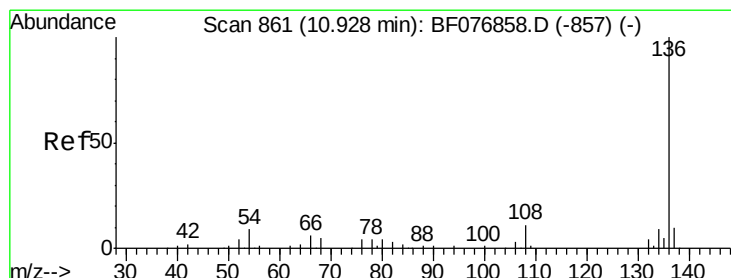
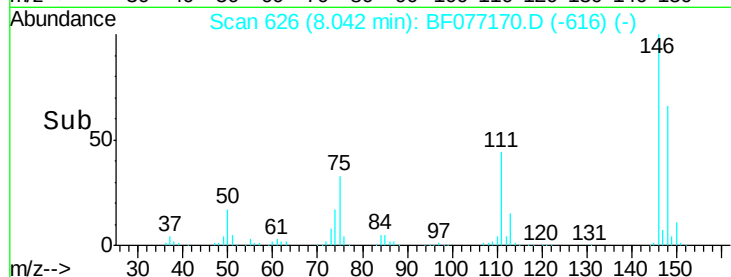
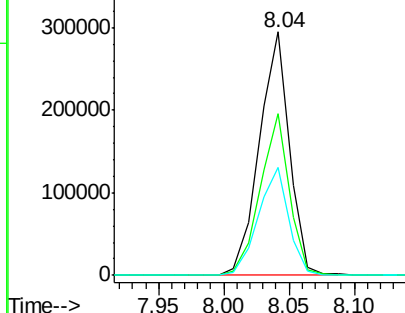
#14
 1,2-Dichlorobenzene
 Concen: 252.58 ng
 RT: 8.04 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-051-13015

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

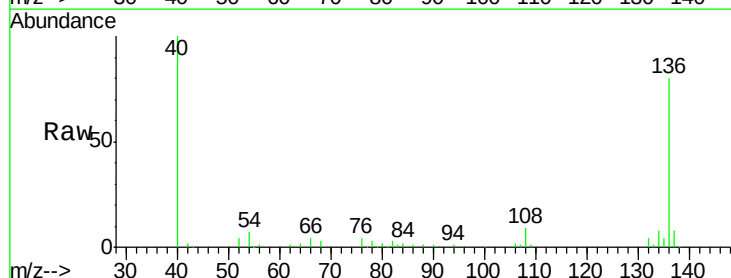


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

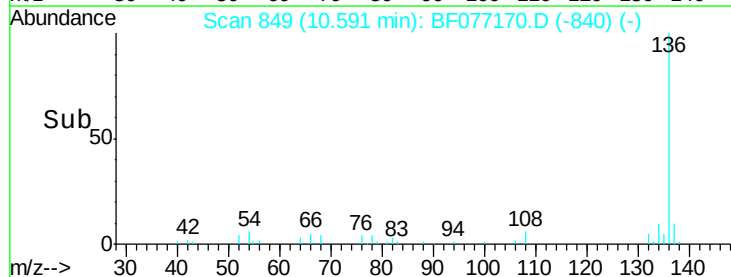
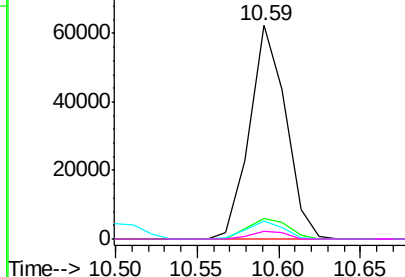


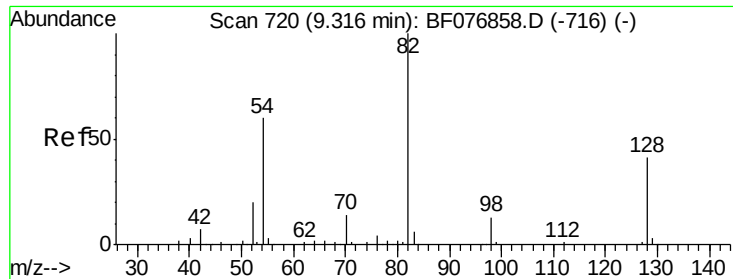
#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 10.59 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

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

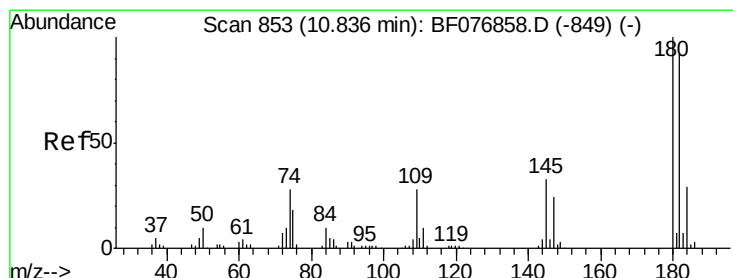
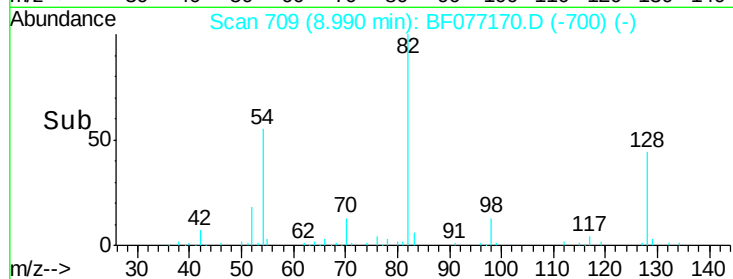
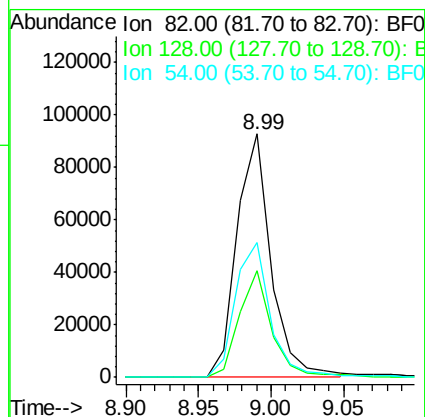
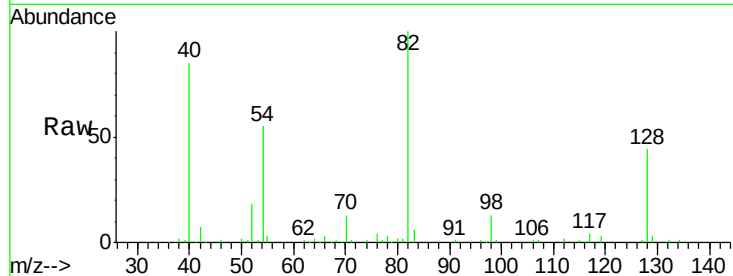




#23
 Nitrobenzene-d5
 Concen: 87.41 ng
 RT: 8.99 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

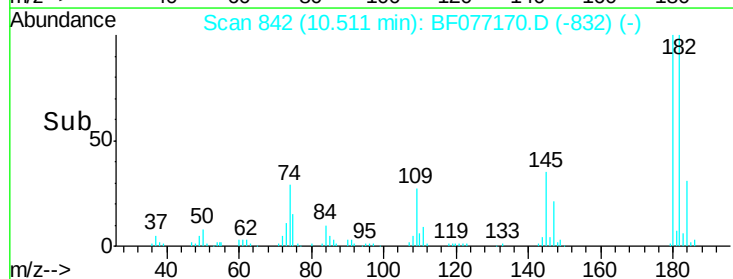
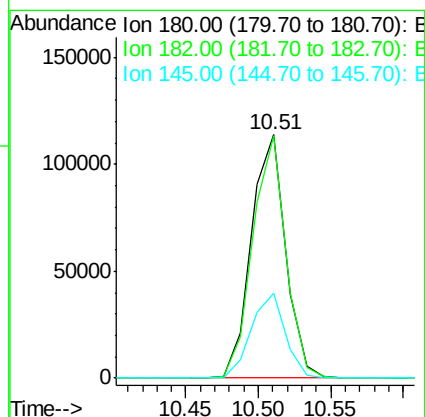
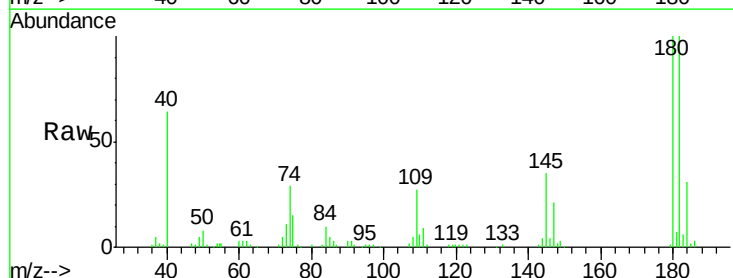
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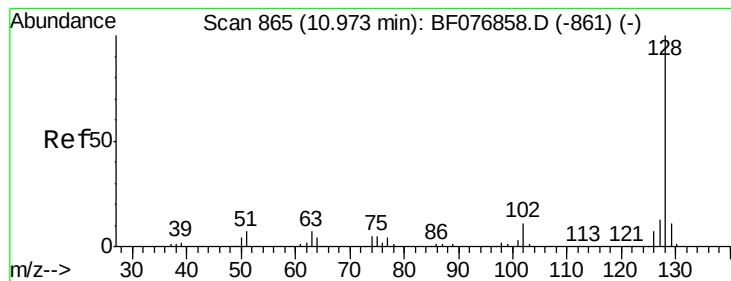
Tgt Ion: 82 Resp: 151667
 Ion Ratio Lower Upper
 82 100
 128 43.6 33.1 49.7
 54 55.2 48.3 72.5



#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

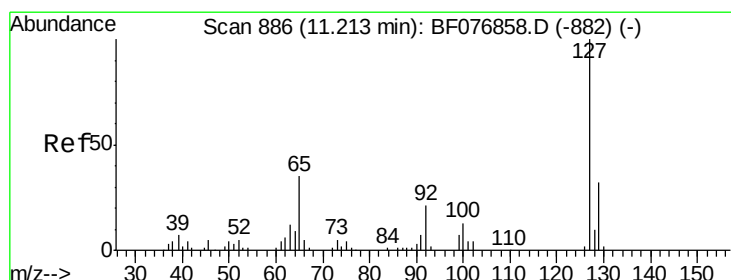
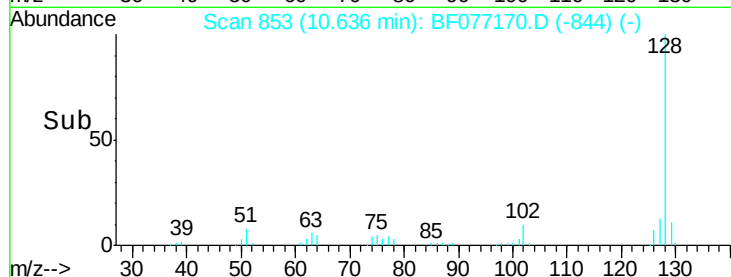
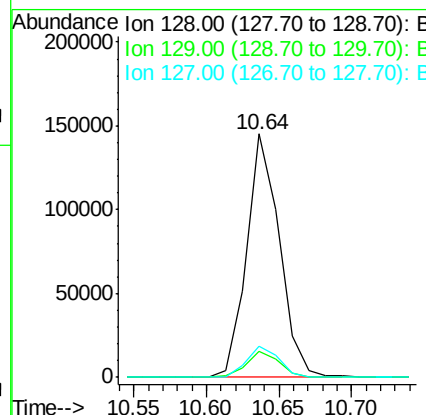
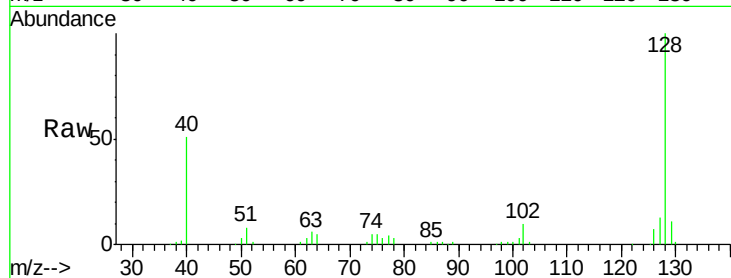




#31
Naphthalene
Concen: 45.90 ng
RT: 10.64 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

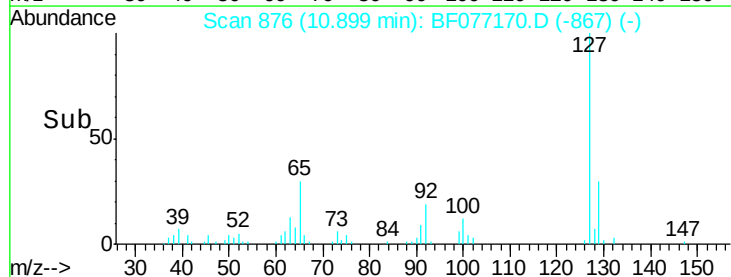
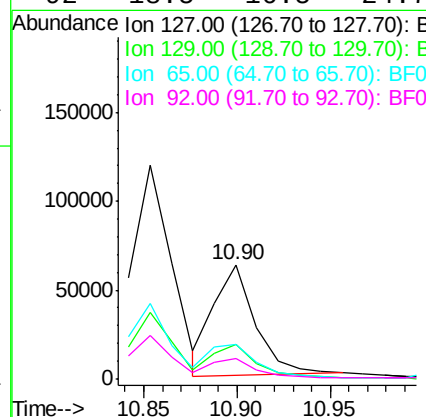
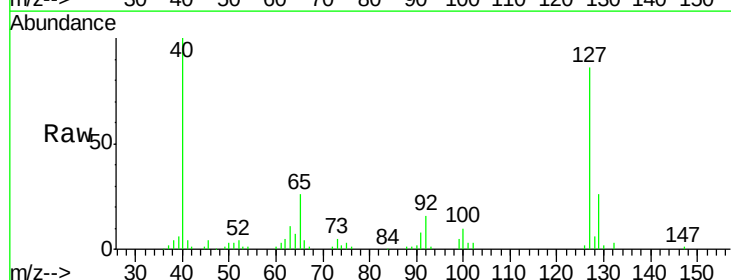
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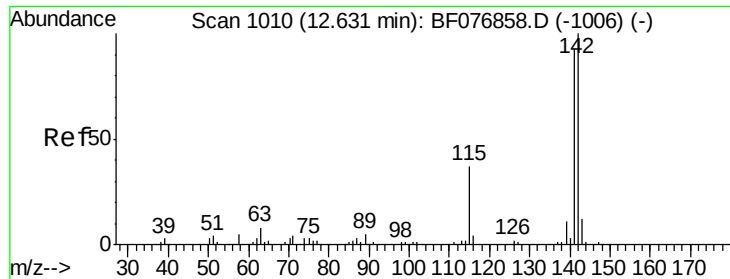
Tgt Ion:128 Resp: 227147
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 12.7 10.2 15.2



#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

Tgt 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

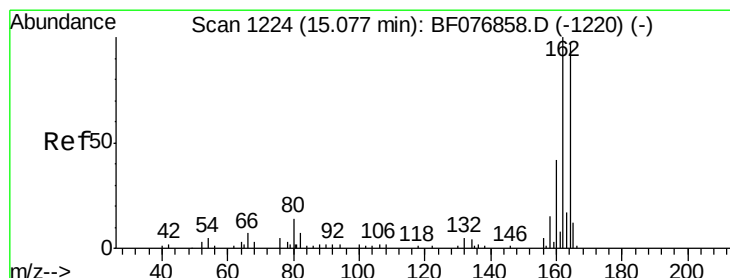
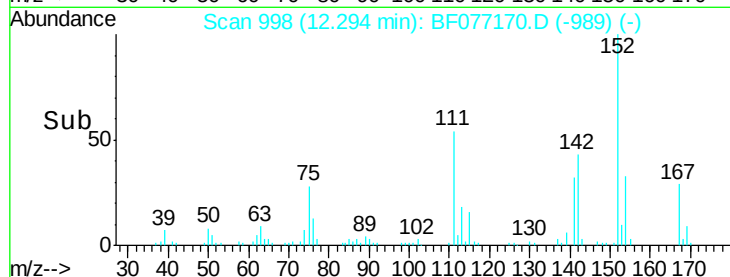
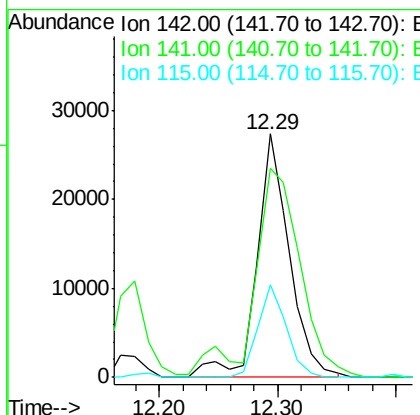
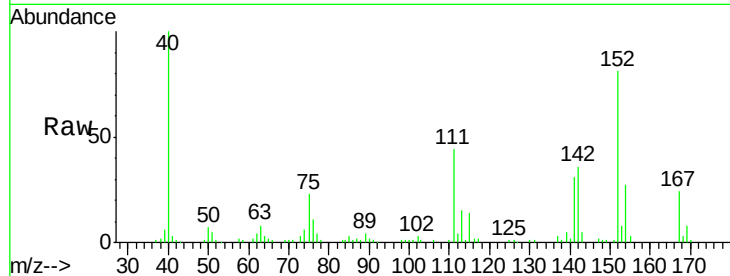




#37
 2-Methylnaphthalene
 Concen: 15.37 ng
 RT: 12.29 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

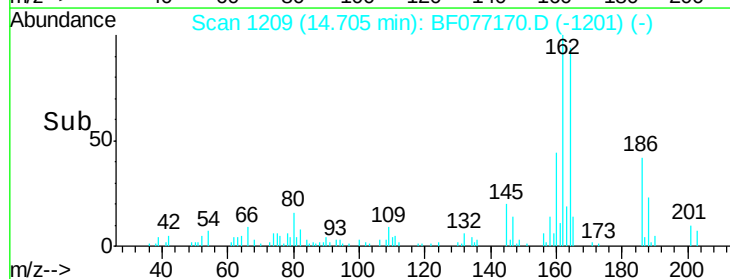
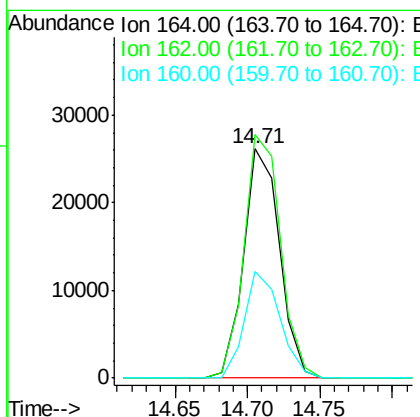
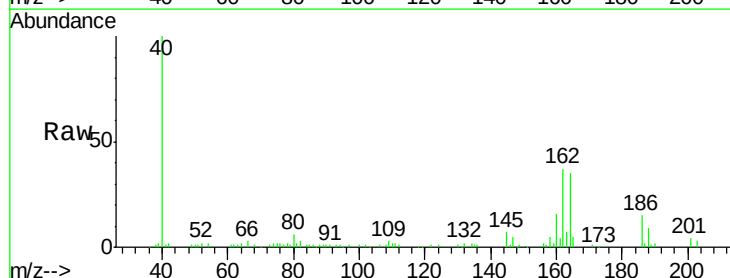
Instrument :
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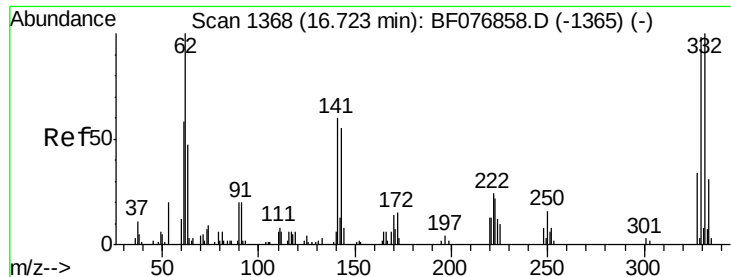
Tgt Ion:142 Resp: 51936
 Ion Ratio Lower Upper
 142 100
 141 86.1 74.5 111.7
 115 38.1 29.7 44.5



#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

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





#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

Instrument :

BNA_F

ClientSampleId :

DCW-WW-051-13015

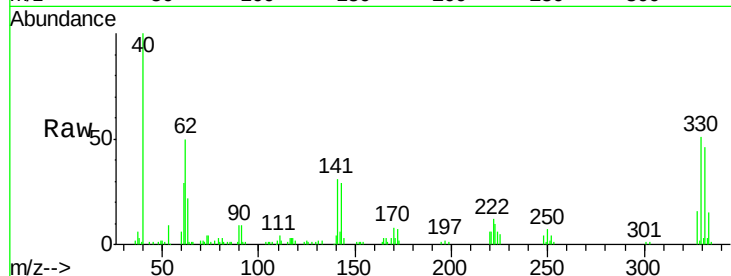
Tgt Ion:330 Resp: 51797

Ion Ratio Lower Upper

330 100

332 93.0 77.8 116.6

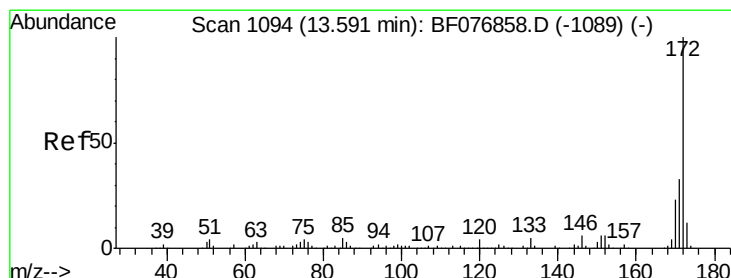
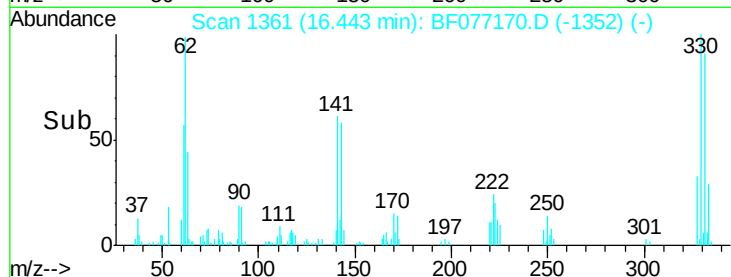
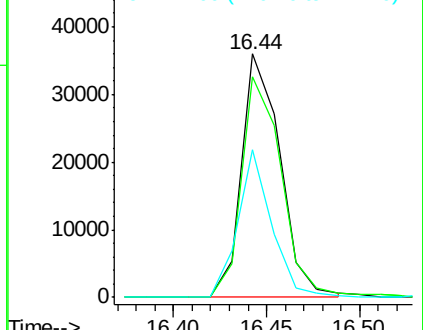
141 53.4 38.5 57.7



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

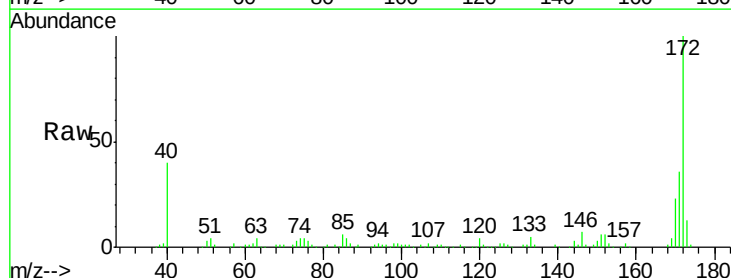
Tgt Ion:172 Resp: 301864

Ion Ratio Lower Upper

172 100

171 36.0 26.6 40.0

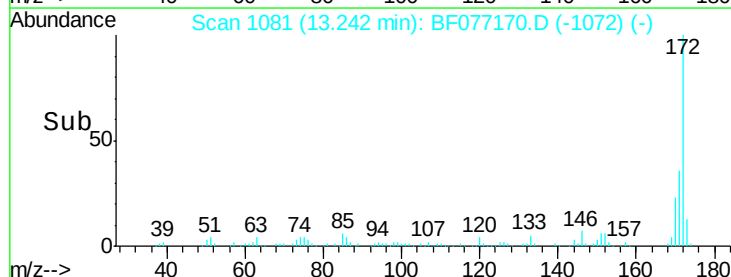
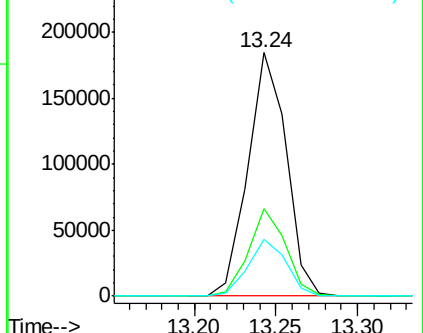
170 23.2 18.0 27.0

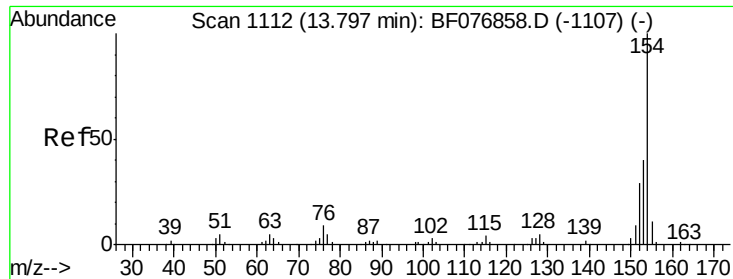


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

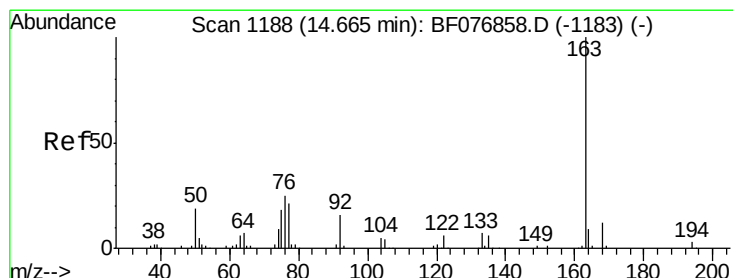
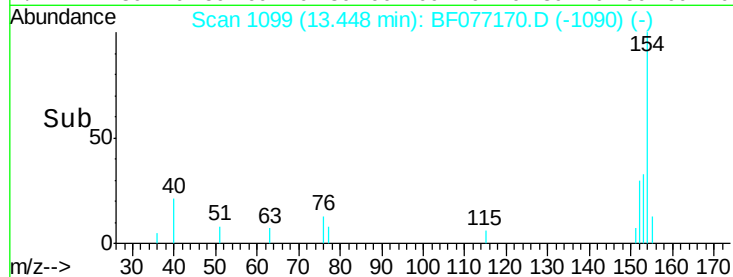
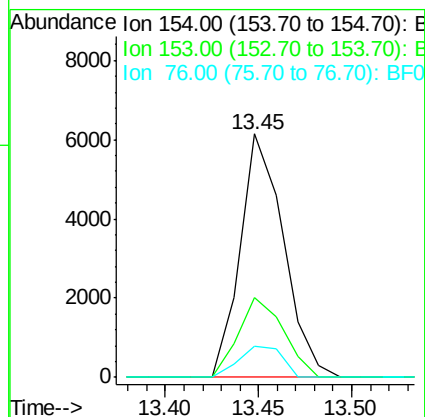
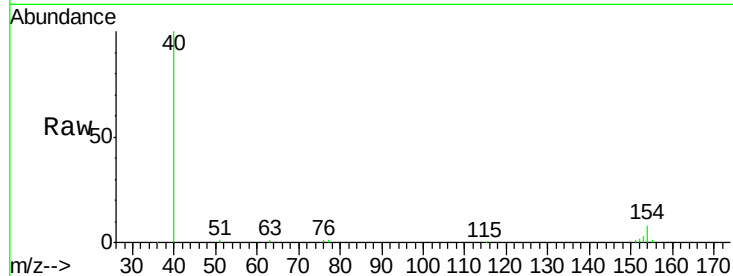




#45
 1,1'-Biphenyl
 Concen: 2.99 ng
 RT: 13.45 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

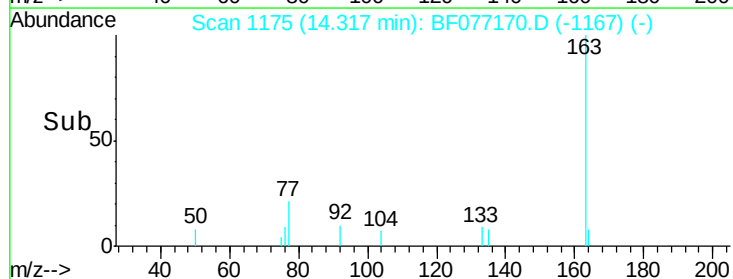
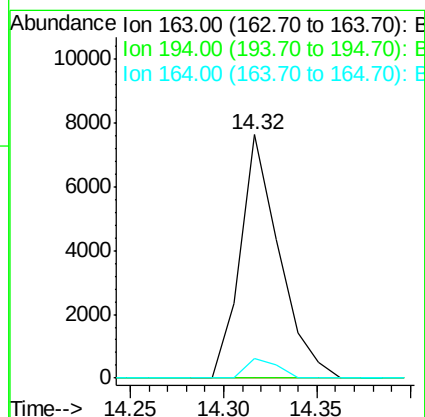
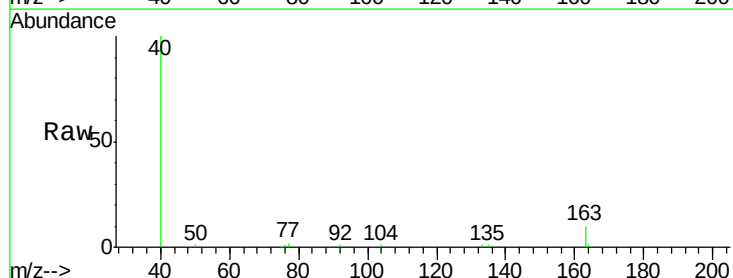
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-051-13015

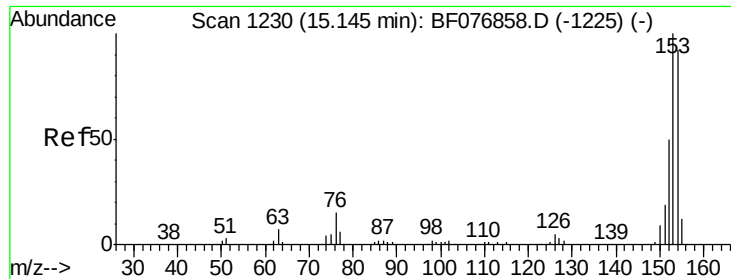
Tgt Ion:154 Resp: 9939
 Ion Ratio Lower Upper
 154 100
 153 32.8 20.2 60.2
 76 12.8 0.0 29.0



#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 :

DCW-WW-051-13015

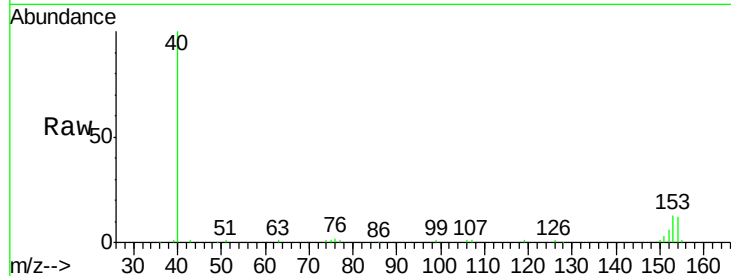
Tgt Ion:154 Resp: 14538

Ion Ratio Lower Upper

154 100

153 106.7 87.0 130.6

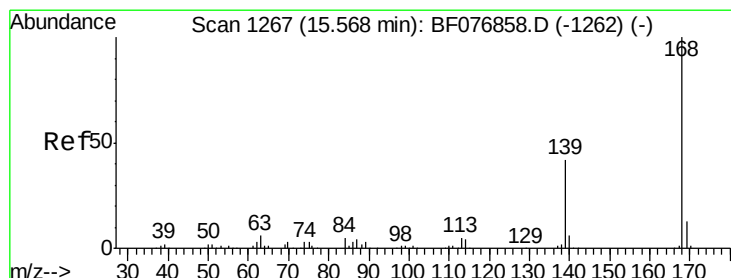
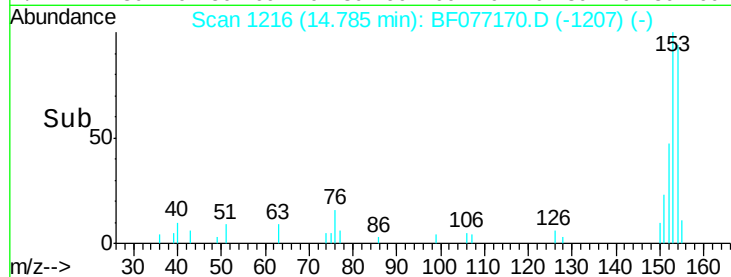
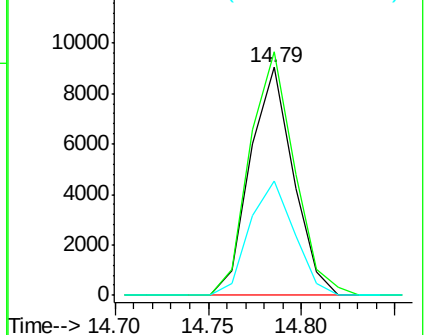
152 50.3 43.5 65.3



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

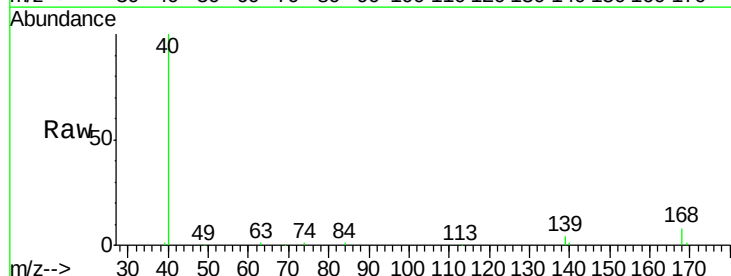
Tgt Ion:168 Resp: 10343

Ion Ratio Lower Upper

168 100

139 42.0 33.4 50.2

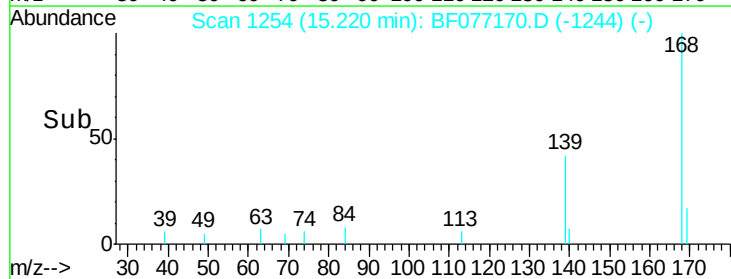
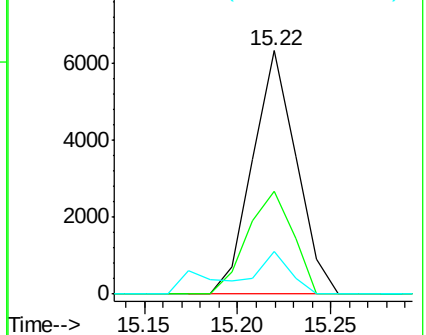
169 17.4 10.6 15.8#

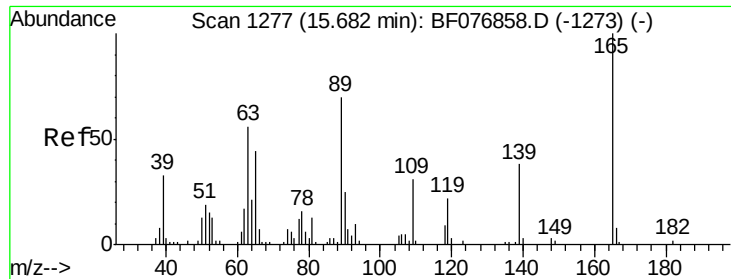


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

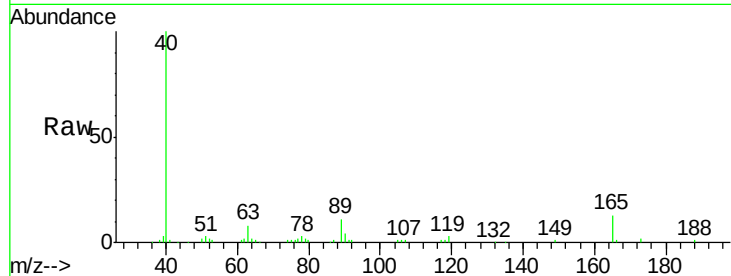




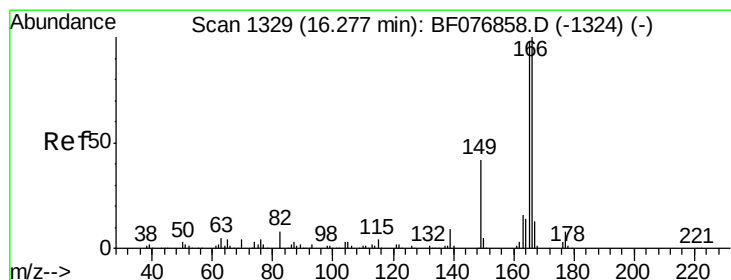
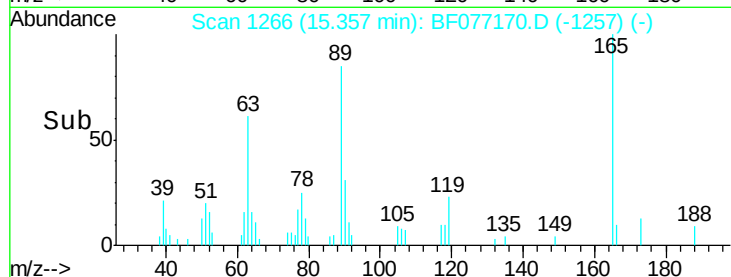
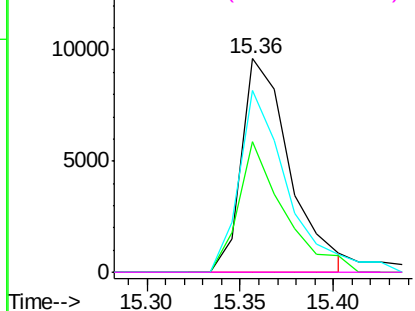
#56
2,4-Dinitrotoluene
Concen: 19.59 ng
RT: 15.36 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

Instrument :
BNA_F
ClientSampleId :
DCW-WW-051-13015

Tgt 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#

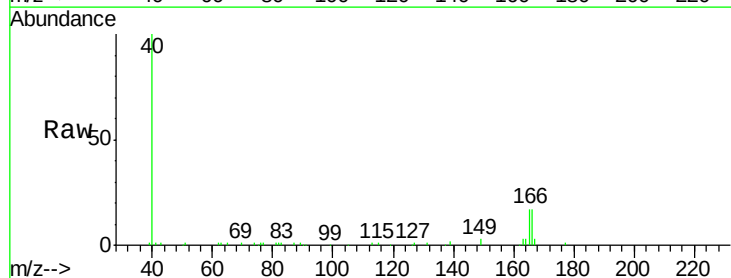


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

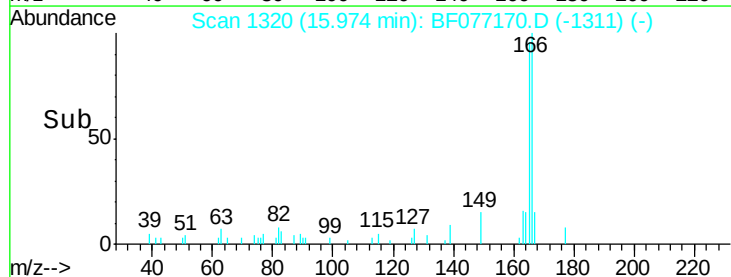
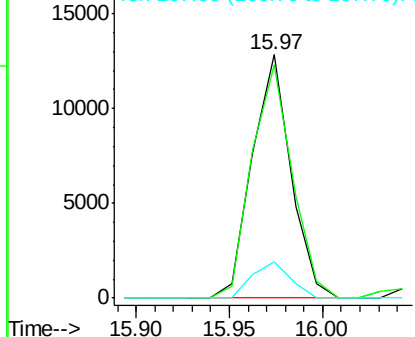


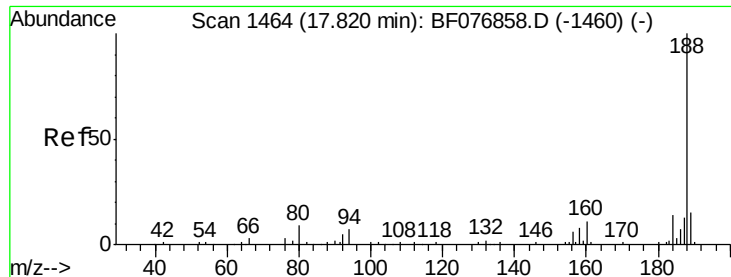
#57
Fluorene
Concen: 5.70 ng
RT: 15.97 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

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



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

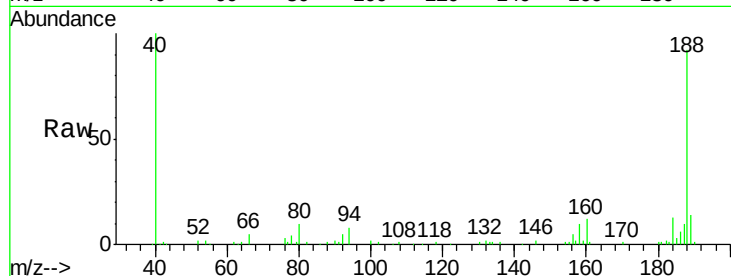




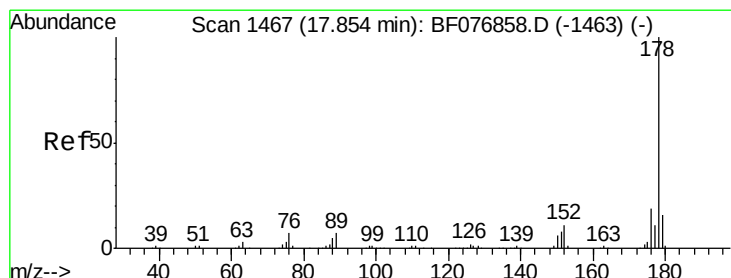
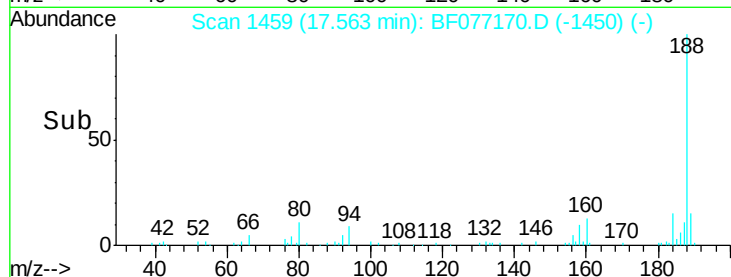
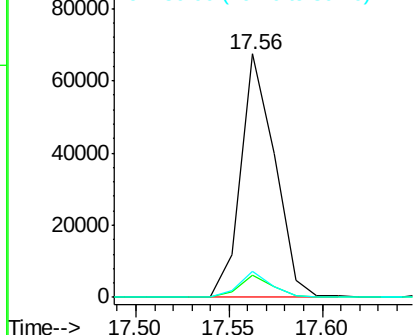
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 1459
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

Instrument :
BNA_F
ClientSampleId :
DCW-WW-051-13015

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

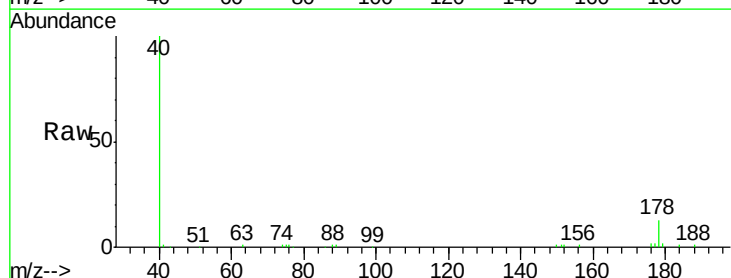


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

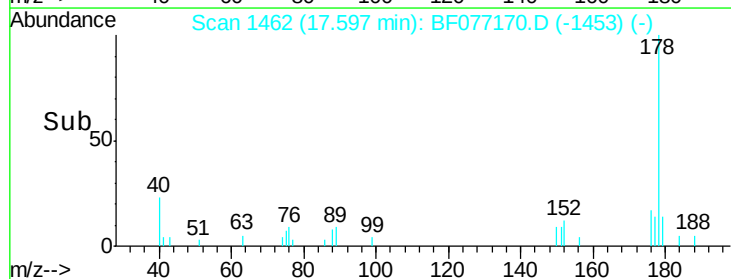
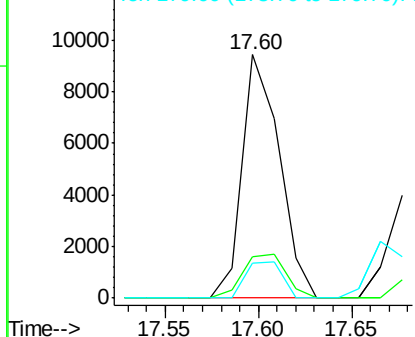


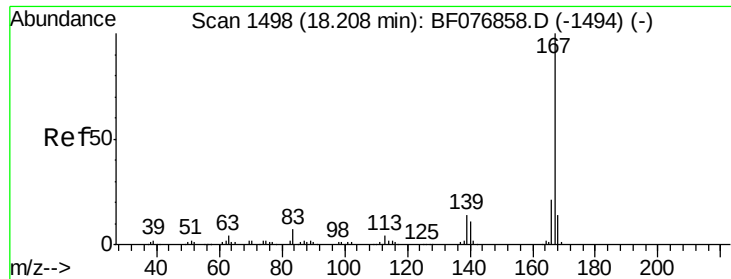
#70
Phenanthrene
Concen: 2.47 ng
RT: 17.60 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BF077170.D
Acq: 3 Feb 2015 20:01

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



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: 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 :

DCW-WW-051-13015

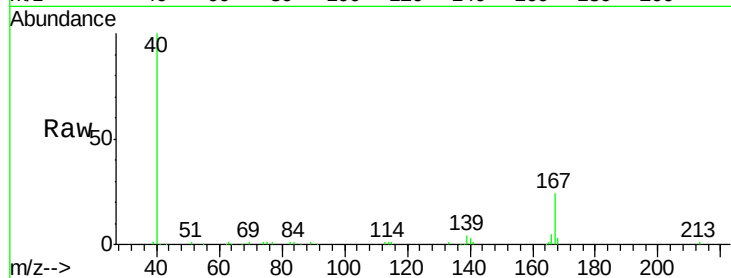
Tgt Ion:167 Resp: 22013

Ion Ratio Lower Upper

167 100

166 20.2 17.0 25.6

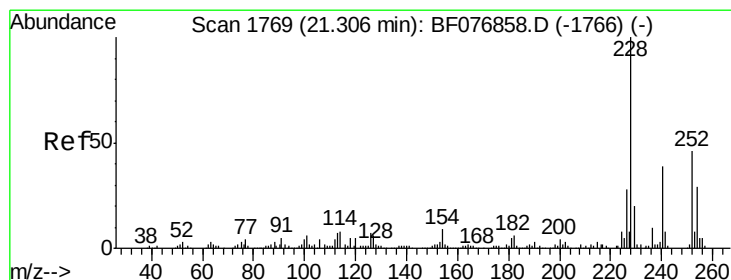
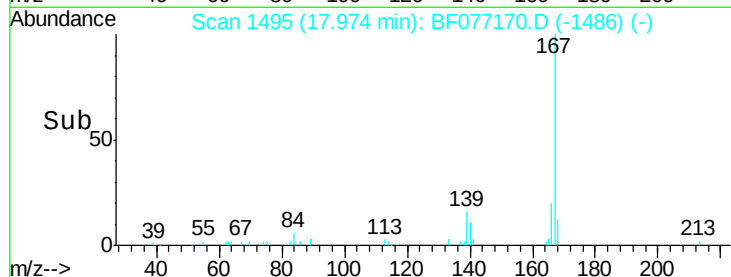
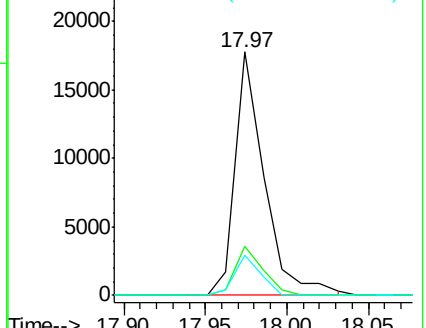
139 16.5 11.3 16.9



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: 21.07 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF077170.D

Acq: 3 Feb 2015 20:01

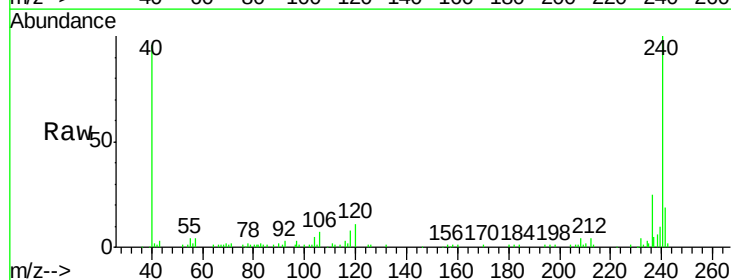
Tgt Ion:240 Resp: 83596

Ion Ratio Lower Upper

240 100

120 10.6 10.4 15.6

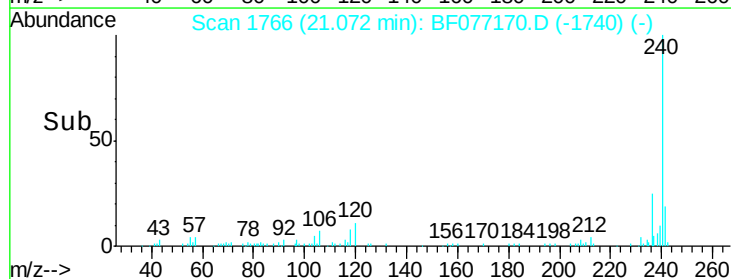
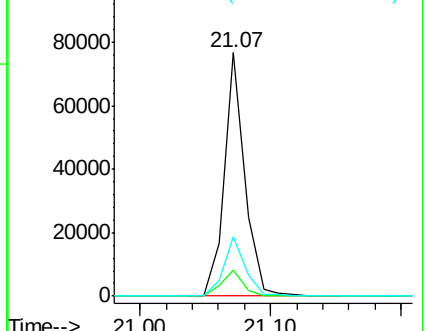
236 24.6 20.2 30.2

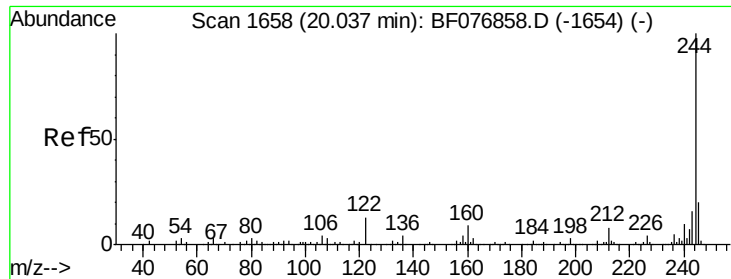


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

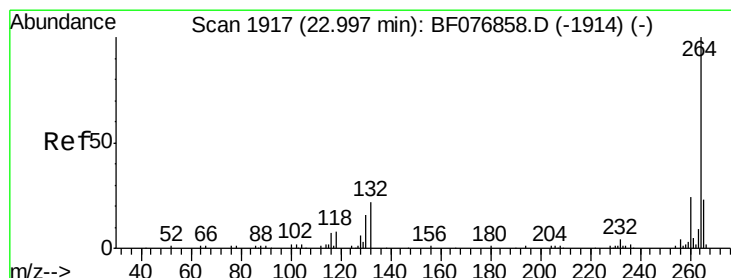
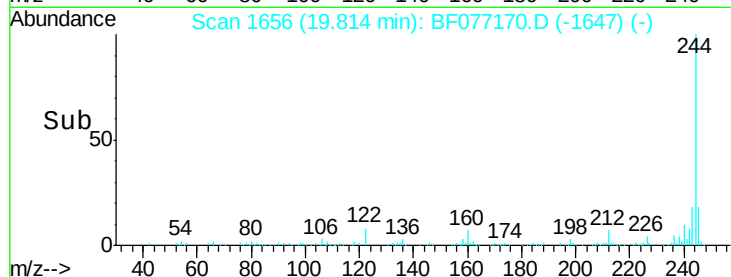
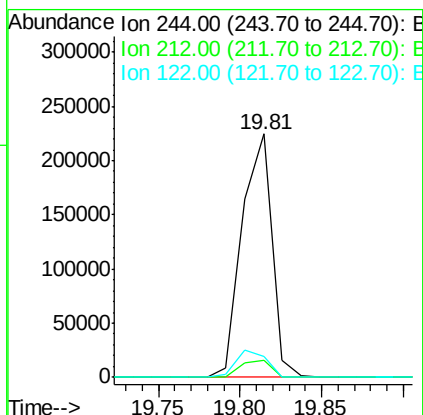
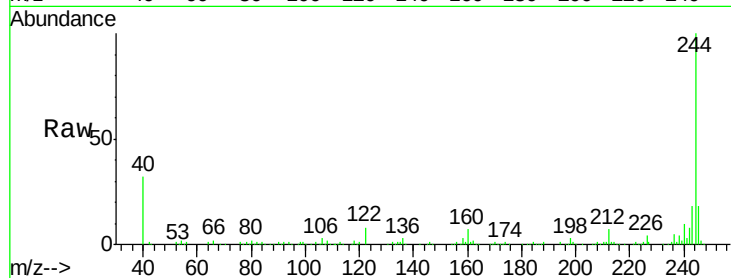




#78
 Terphenyl-d14
 Concen: 78.28 ng
 RT: 19.81 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BF077170.D
 Acq: 3 Feb 2015 20:01

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-051-13015

Tgt 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	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.6	18.1	27.1

