

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040815\
 Data File : BF078341.D
 Acq On : 8 Apr 2015 18:39
 Operator : TP/IZ
 Sample : G1793-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5D

Quant Time: Apr 09 01:05:58 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 00:49:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	36283	20.00	ng	0.00
21) Naphthalene-d8	8.50	136	122442	20.00	ng	0.01
38) Acenaphthene-d10	10.66	164	77118	20.00	ng	0.01
63) Phenanthrene-d10	12.49	188	127297	20.00	ng	0.01
75) Chrysene-d12	15.79	240	121782	20.00	ng	0.02
86) Perylene-d12	17.62	264	144139	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	199504	90.66	ng	0.01
7) Phenol-d6	6.51	99	261048	94.66	ng	0.00
23) Nitrobenzene-d5	7.61	82	137323	67.98	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	50870	79.54	ng	0.00
44) 2-Fluorobiphenyl	9.84	172	266939	49.48	ng	0.00
78) Terphenyl-d14	14.48	244	278617	51.70	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.65	88	31959	32.12	ng	# 23
3) Pyridine	2.32	79	5429	2.08	ng	# 32
9) Benzaldehyde	6.36	77	31290	17.12	ng	# 1
10) Phenol	6.52	94	8707	2.63	ng	# 1
15) Benzyl Alcohol	7.14	79	8484	4.38	ng	# 1
18) Hexachloroethane	7.49	117	10563	10.89	ng	# 35
20) 3+4-Methylphenols	7.47	107	8423	3.13	ng	# 91
22) Acetophenone	7.41	105	29263	10.26	ng	# 63
24) Nitrobenzene	7.69	77	6159	2.92	ng	# 10
31) Naphthalene	8.57	128	9832241	1542.81	ng	# 91
32) Benzoic acid	8.25	122	1656	7.45	ng	# 1
33) 4-Chloroaniline	8.57	127	1074737	406.40	ng	# 36
35) Caprolactam	9.07	113	10149	19.97	ng	# 1
37) 2-Methylnaphthalene	9.40	142	2958692	683.81	ng	# 94
45) 1,1'-Biphenyl	9.96	154	1341650	212.69	ng	# 96
47) 2-Nitroaniline	10.16	65	9085	7.40	ng	# 41
48) Acenaphthylene	10.49	152	1140175	142.26	ng	# 94
49) Dimethylphthalate	10.36	163	22642	3.91	ng	# 98
51) Acenaphthene	10.72	154	1956496	433.60	ng	# 98
54) Dibenzofuran	10.91	168	521019	75.60	ng	# 96
55) 4-Nitrophenol	10.85	139	6316	8.87	ng	# 70
56) 2,4-Dinitrotoluene	10.91	165	32641	21.14	ng	# 1
57) Fluorene	11.35	166	1896342	339.45	ng	# 99
62) Azobenzene	11.56	77	33475	6.57	ng	# 1
64) 4,6-Dinitro-2-methylphenol	11.47	198	2142	11.35	ng	# 1
65) n-Nitrosodiphenylamine	11.49	169	53468	12.14	ng	# 1
70) Phenanthrene	12.56	178	6502548	883.08	ng	# 92
71) Anthracene	12.60	178	2207188	304.19	ng	# 95
72) Carbazole	12.80	167	165781	24.38	ng	# 96
74) Fluoranthene	14.01	202	3451862	444.51	ng	# 94
77) Pyrene	14.29	202	4618972	604.19	ng	# 93
80) Benzo(a)anthracene	15.78	228	1853693	255.83	ng	# 88
82) Chrysene	15.84	228	1477703	217.06	ng	# 97
85) Indeno(1,2,3-cd)pyrene	18.96	276	600245	77.70	ng	# 89

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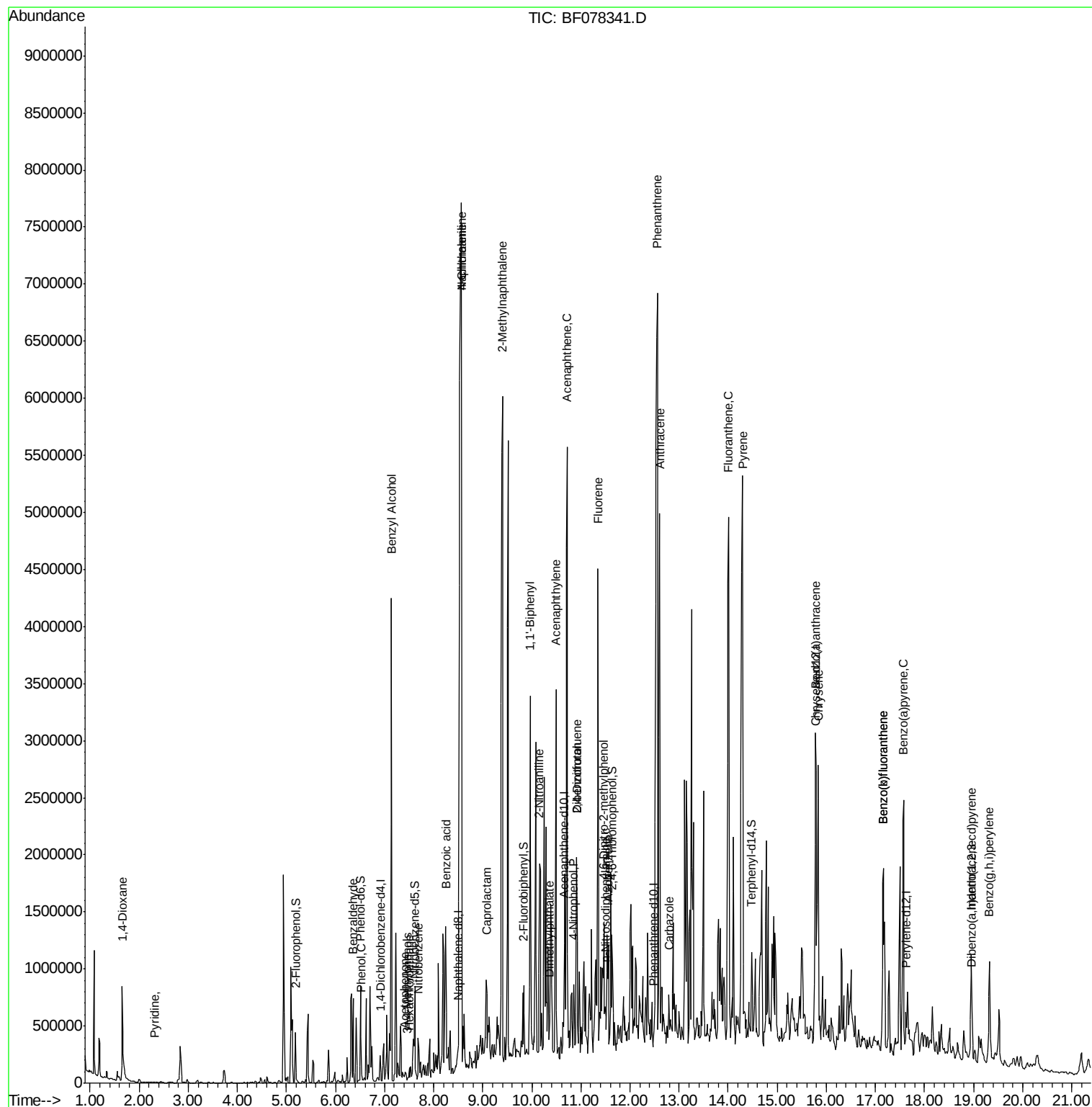
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	17.16	252	1722927	193.41	ng	# 94
88) Benzo(k)fluoranthene	17.16	252	1733363	218.96	ng	97
89) Benzo(a)pyrene	17.57	252	1535728	197.53	ng	96
90) Dibenzo(a,h)anthracene	18.97	278	145281	18.66	ng	95
91) Benzo(g,h,i)perylene	19.32	276	722750	92.61	ng	98

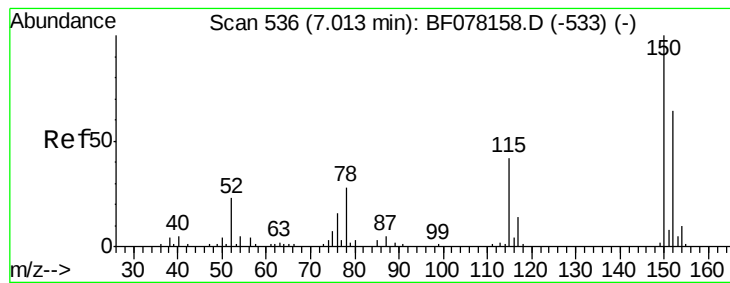
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

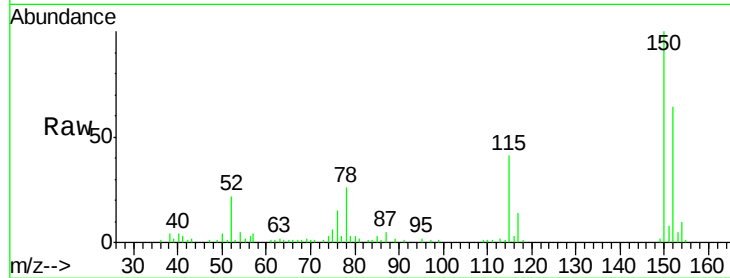
Tgt Ion:152 Resp: 36283

Ion Ratio Lower Upper

152 100

150 155.6 125.9 188.9

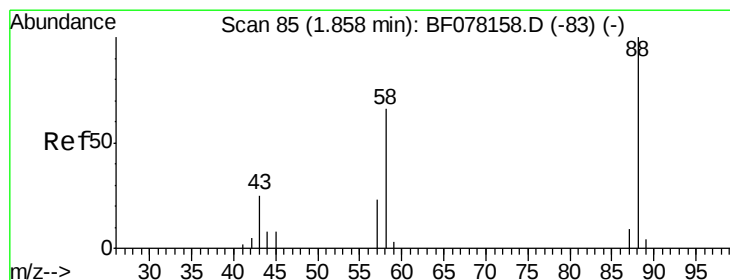
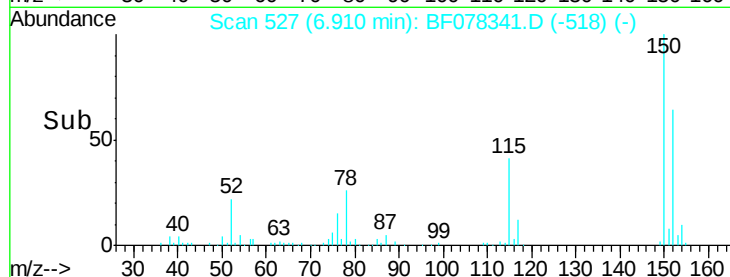
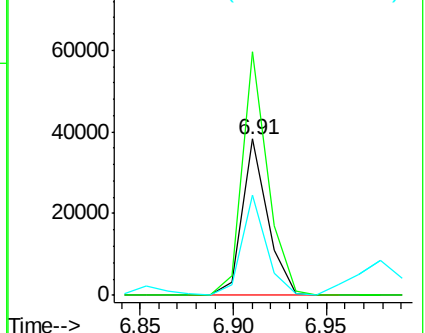
115 64.3 52.7 79.1



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



#2

1,4-Dioxane

Concen: 32.12 ng

RT: 1.65 min Scan# 67

Delta R.T. -0.07 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

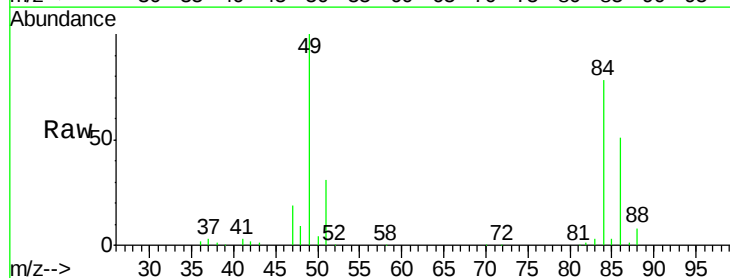
Tgt Ion: 88 Resp: 31959

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

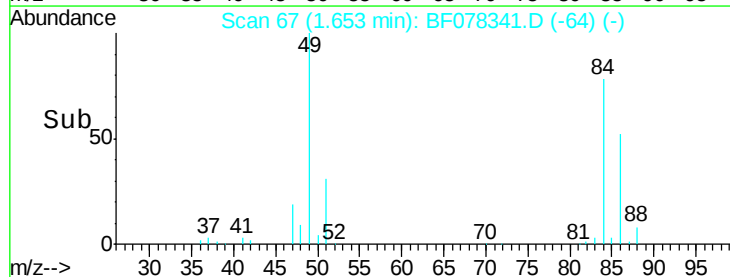
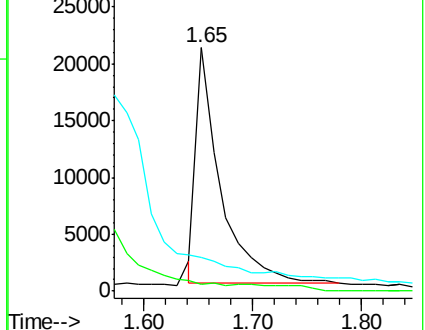
43 0.0 21.4 32.2#

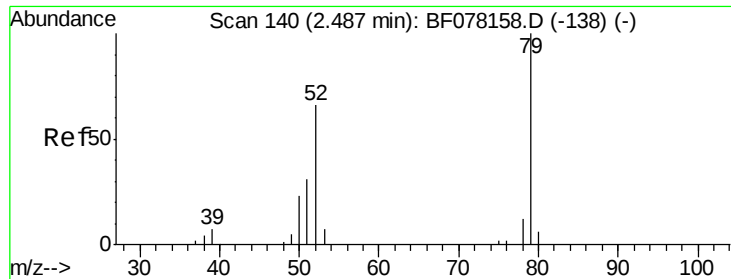


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 2.08 ng

RT: 2.32 min Scan# 125

Delta R.T. -0.01 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

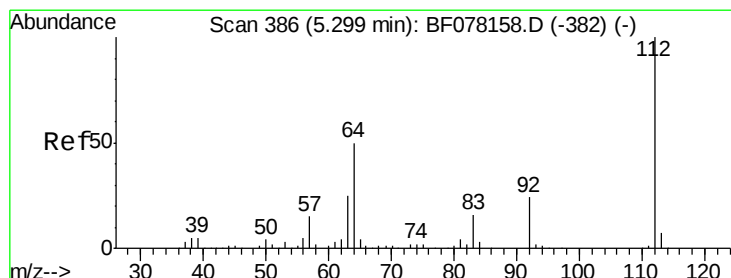
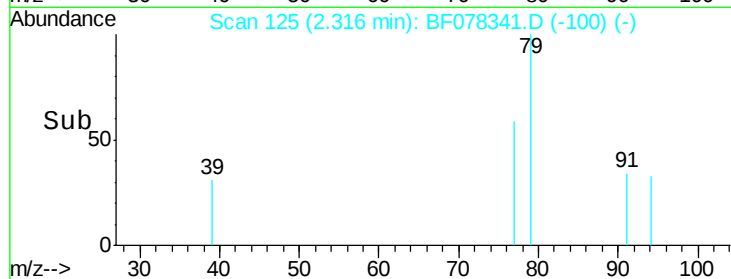
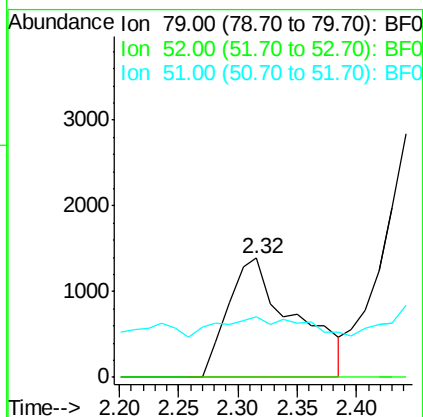
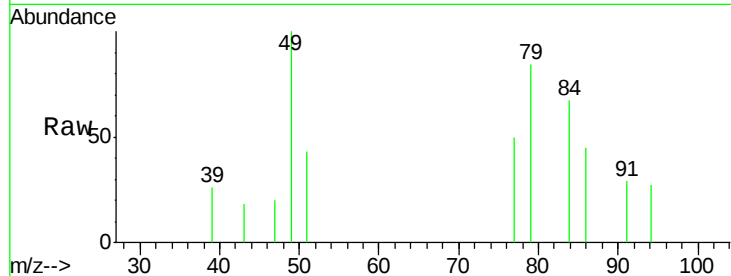
Tgt Ion: 79 Resp: 5429

Ion Ratio Lower Upper

79 100

52 0.0 52.4 78.6#

51 50.8 24.9 37.3#



#5

2-Fluorophenol

Concen: 90.66 ng

RT: 5.18 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

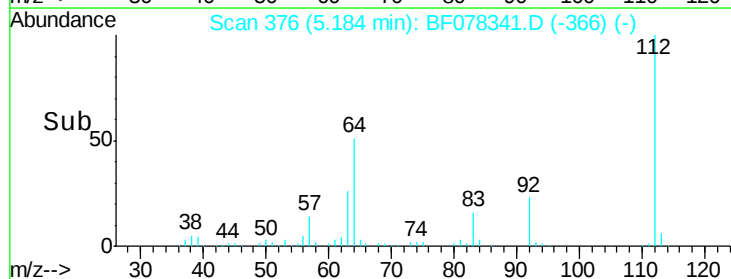
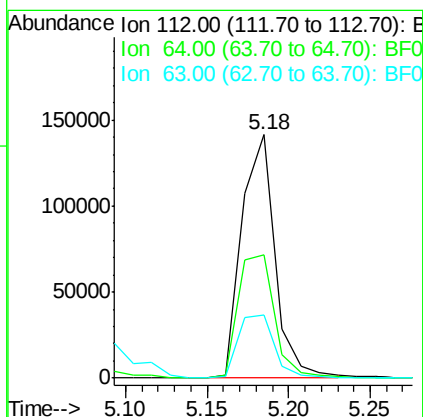
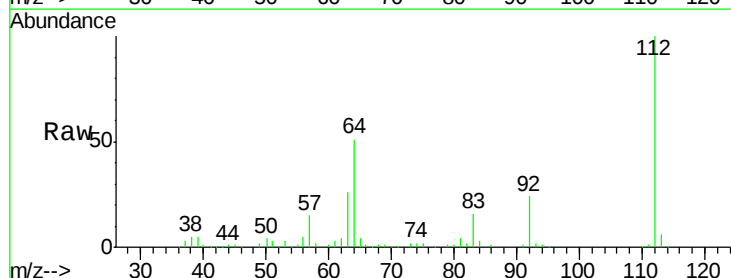
Tgt Ion: 112 Resp: 199504

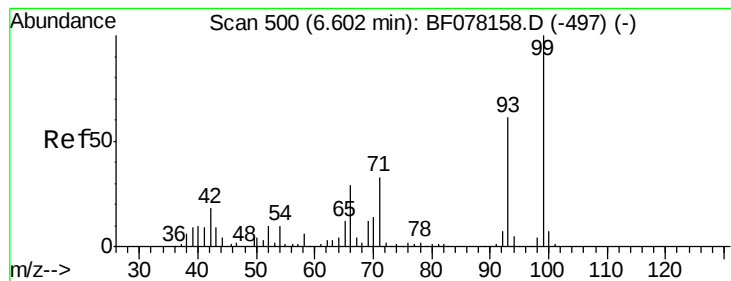
Ion Ratio Lower Upper

112 100

64 50.6 39.9 59.9

63 25.9 20.2 30.4





#7

Phenol-d6

Concen: 94.66 ng

RT: 6.51 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

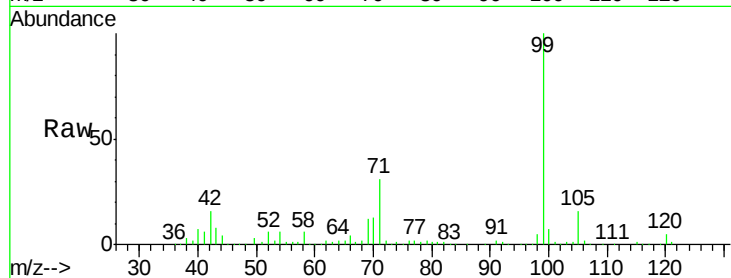
Tgt Ion: 99 Resp: 261048

Ion Ratio Lower Upper

99 100

42 15.8 14.8 22.2

71 30.8 26.6 39.8



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

300000

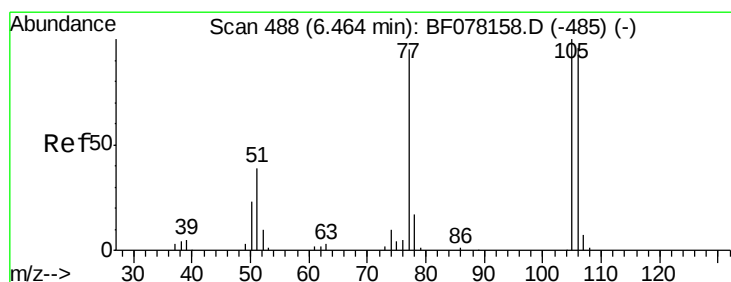
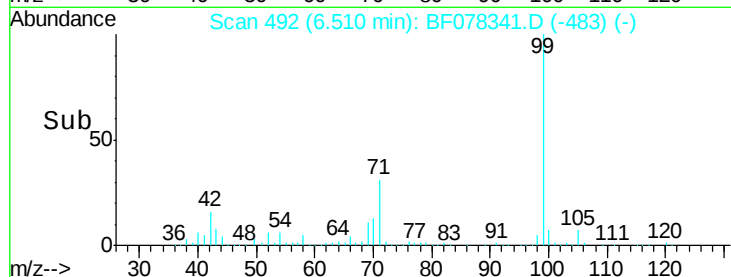
6.51

200000

100000

0

Time-->



#9

Benzaldehyde

Concen: 17.12 ng

RT: 6.36 min Scan# 479

Delta R.T. 0.01 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

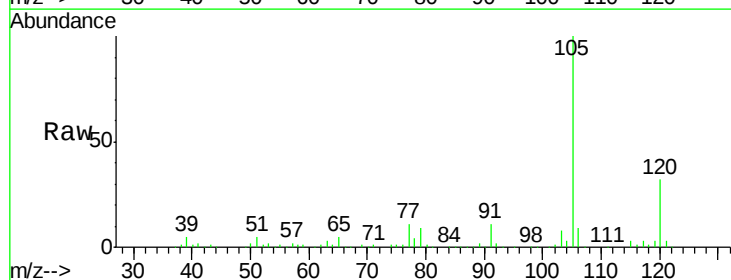
Tgt Ion: 77 Resp: 31290

Ion Ratio Lower Upper

77 100

105 932.9 85.4 125.4#

106 81.1 80.8 120.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

400000

6.36

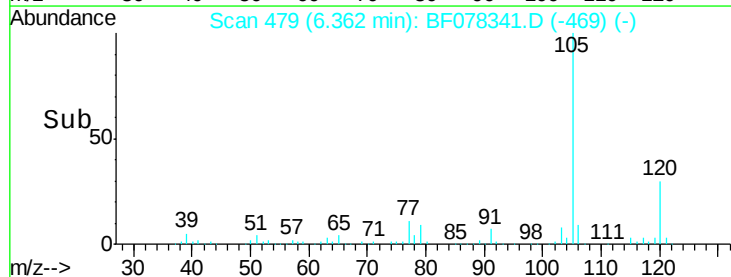
300000

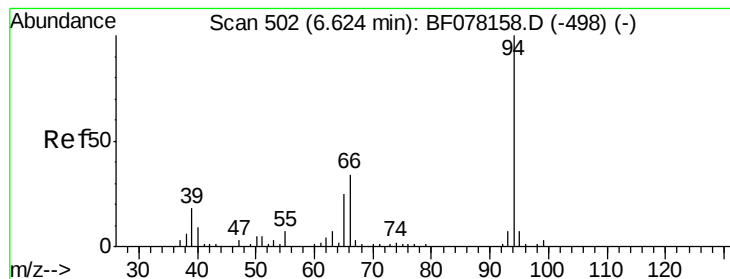
200000

100000

0

Time-->





#10

Phenol

Concen: 2.63 ng

RT: 6.52 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

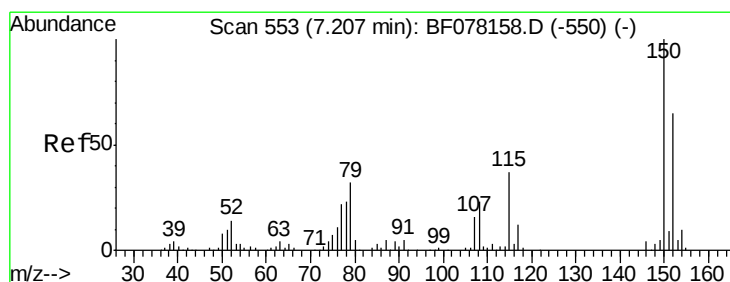
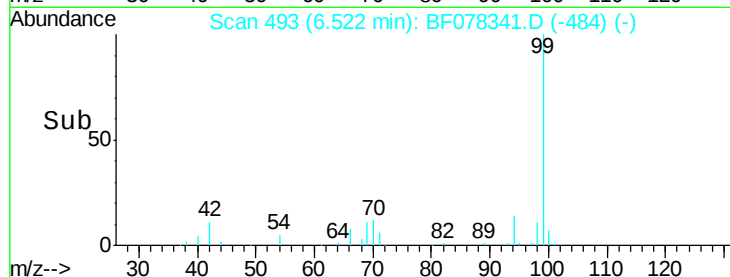
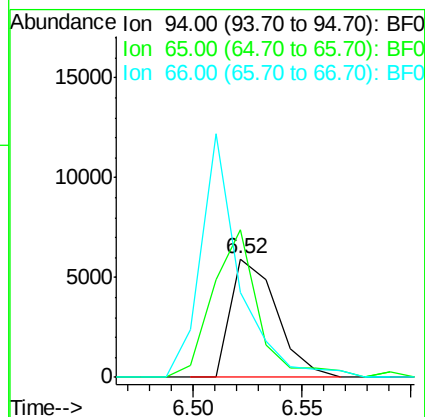
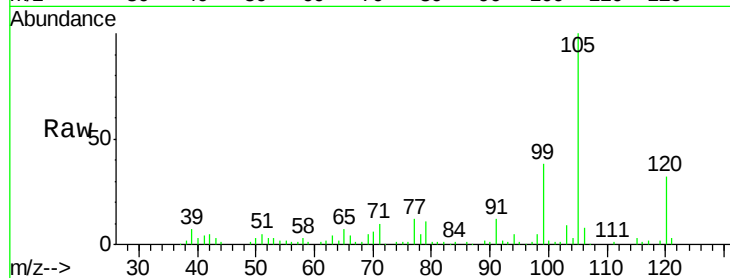
Tgt Ion: 94 Resp: 8707

Ion Ratio Lower Upper

94 100

65 123.8 4.9 44.9#

66 71.9 13.8 53.8#



#15

Benzyl Alcohol

Concen: 4.38 ng

RT: 7.14 min Scan# 547

Delta R.T. 0.02 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

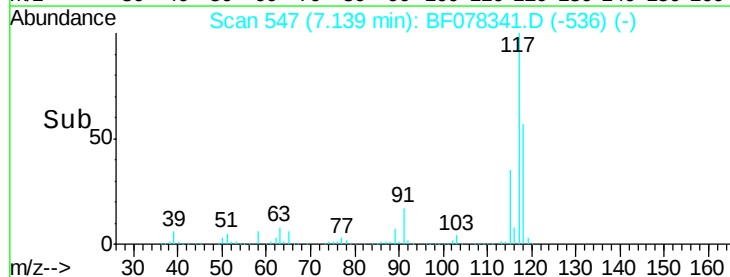
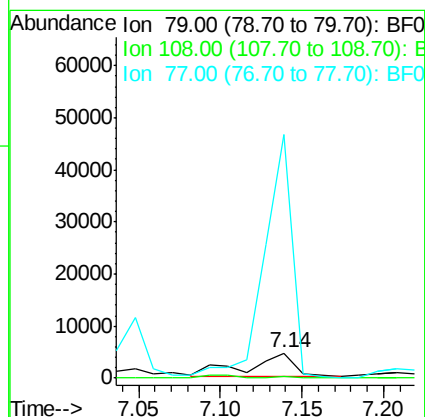
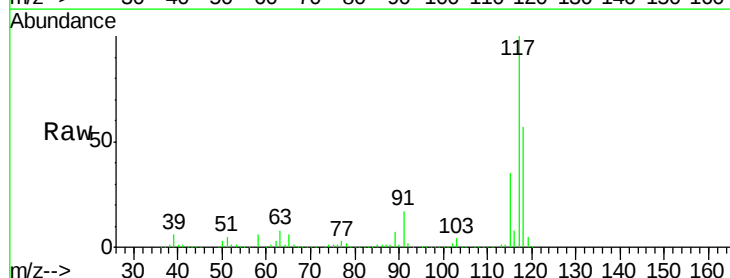
Tgt Ion: 79 Resp: 8484

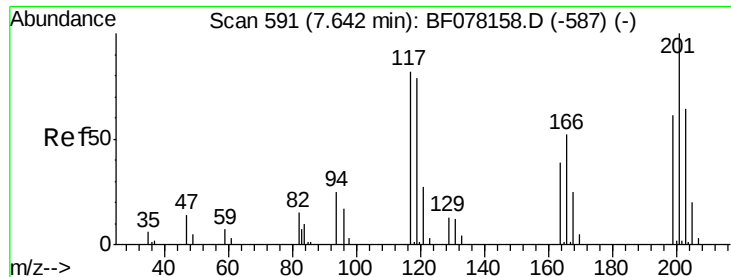
Ion Ratio Lower Upper

79 100

108 7.2 57.6 86.4#

77 983.6 53.5 80.3#

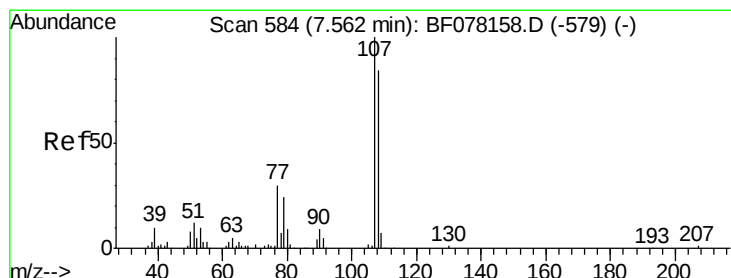
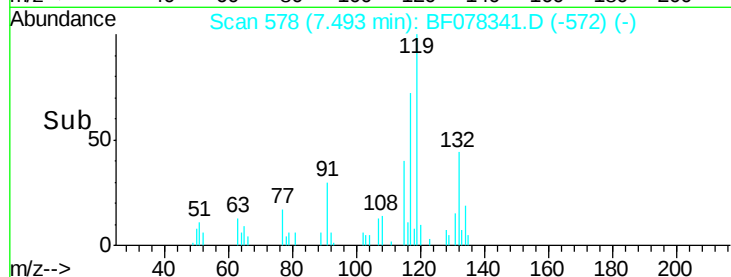
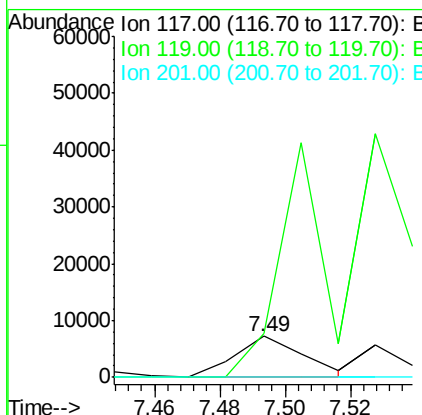
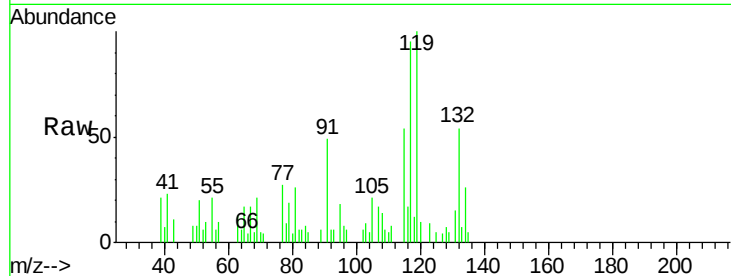




#18
Hexachloroethane
Concen: 10.89 ng
RT: 7.49 min Scan# 578
Delta R.T. -0.03 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

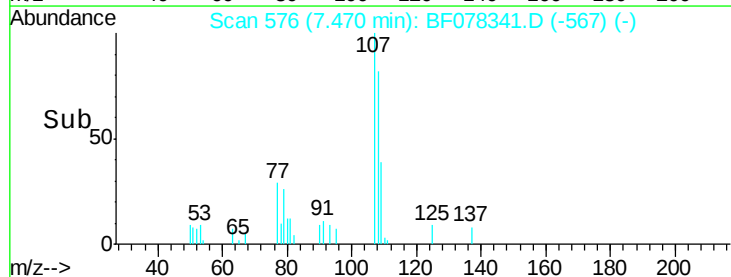
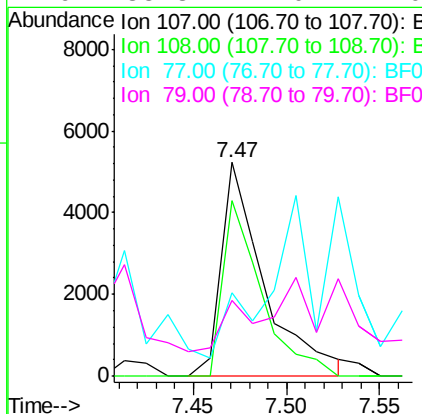
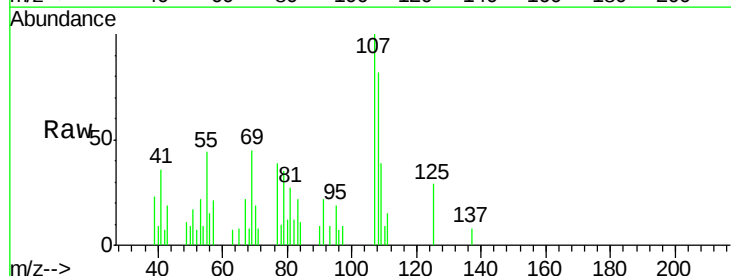
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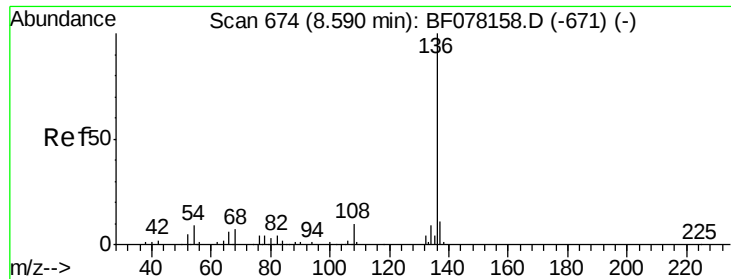
Tgt Ion:117 Resp: 10563
Ion Ratio Lower Upper
117 100
119 105.4 77.0 115.6
201 0.0 98.1 147.1#



#20
3+4-Methylphenols
Concen: 3.13 ng
RT: 7.47 min Scan# 576
Delta R.T. 0.00 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

Tgt Ion:107 Resp: 8423
Ion Ratio Lower Upper
107 100
108 82.4 64.4 104.4
77 38.8 9.7 49.7
79 35.3 4.0 44.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.50 min Scan# 666

Delta R.T. 0.01 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

Tgt Ion:136 Resp: 122442

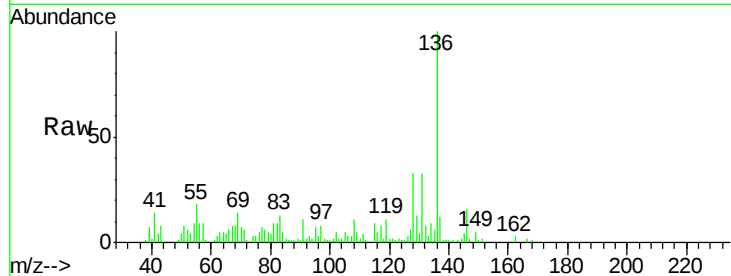
Ion Ratio Lower Upper

136 100

137 12.0 9.0 13.4

54 9.0 7.0 10.6

68 8.2 5.4 8.2#

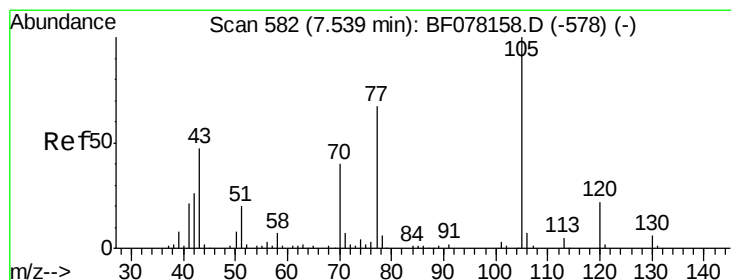
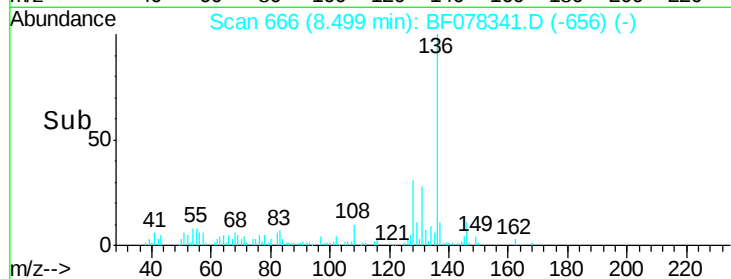
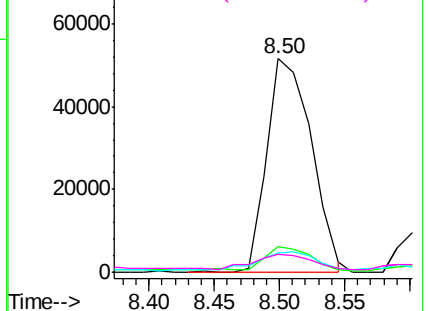


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 10.26 ng

RT: 7.41 min Scan# 571

Delta R.T. -0.02 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Tgt Ion:105 Resp: 29263

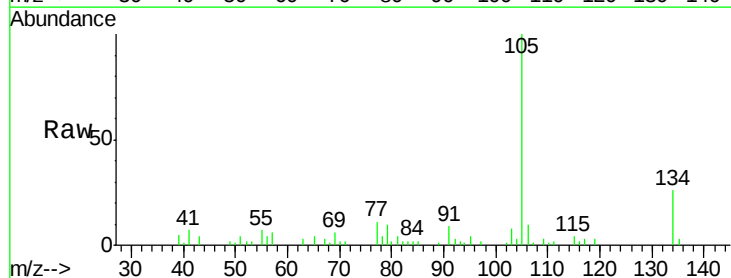
Ion Ratio Lower Upper

105 100

71 1.8 5.5 8.3#

51 4.1 16.0 24.0#

120 0.0 17.8 26.6#

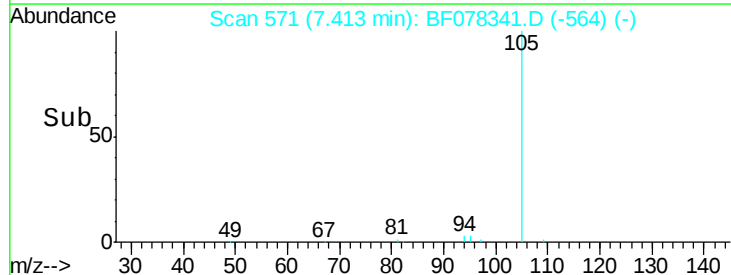
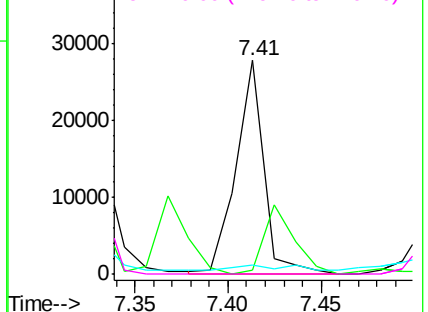


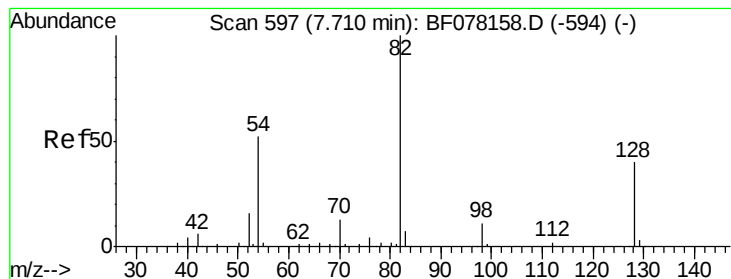
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 67.98 ng

RT: 7.61 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

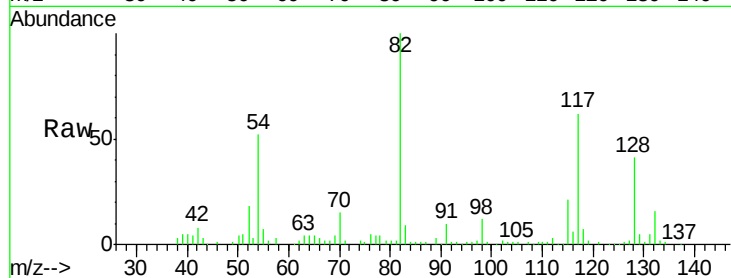
Tgt Ion: 82 Resp: 137323

Ion Ratio Lower Upper

82 100

128 40.7 31.8 47.8

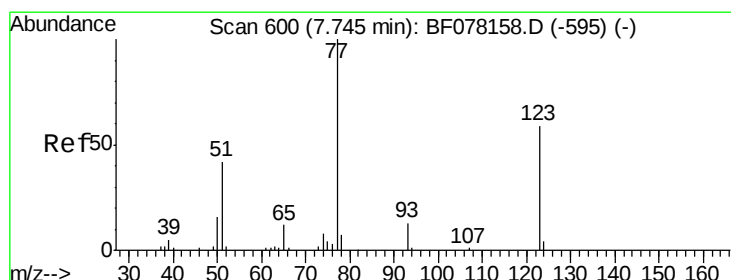
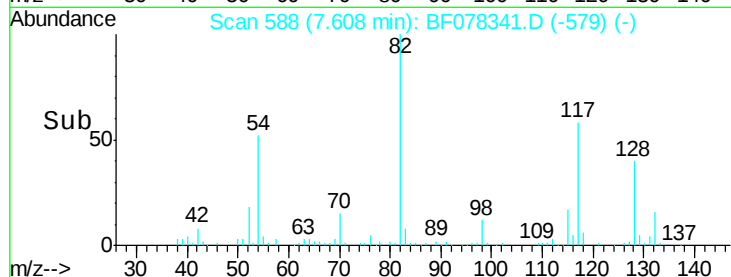
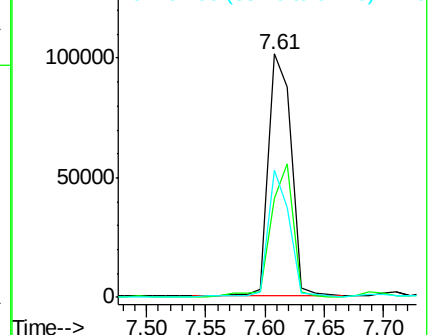
54 52.0 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 2.92 ng

RT: 7.69 min Scan# 595

Delta R.T. 0.05 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

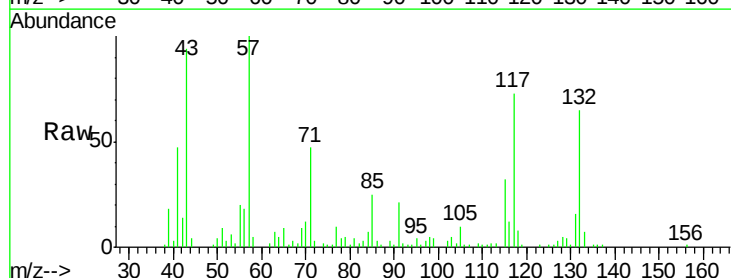
Tgt Ion: 77 Resp: 6159

Ion Ratio Lower Upper

77 100

123 7.1 46.9 70.3#

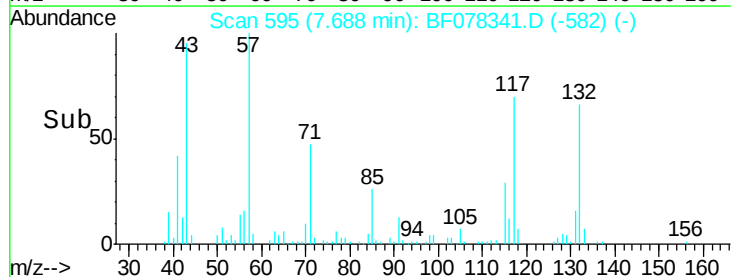
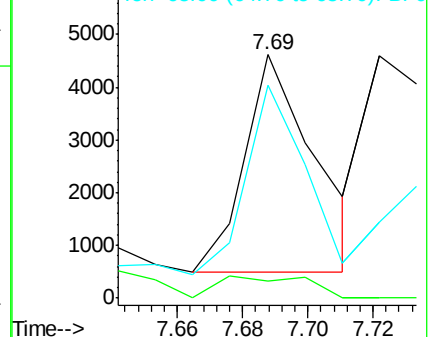
65 87.4 9.5 14.3#

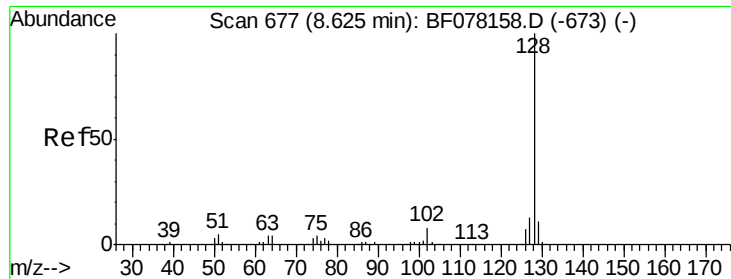


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

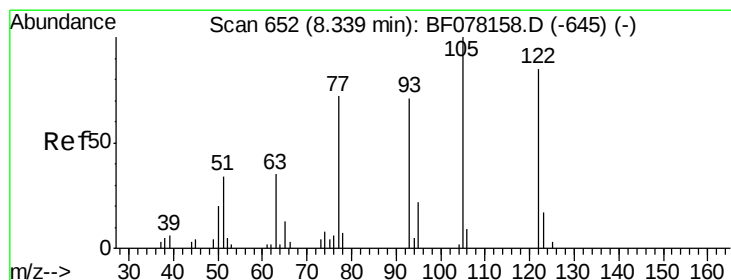
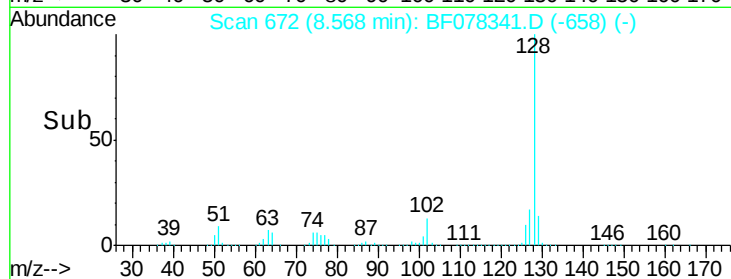
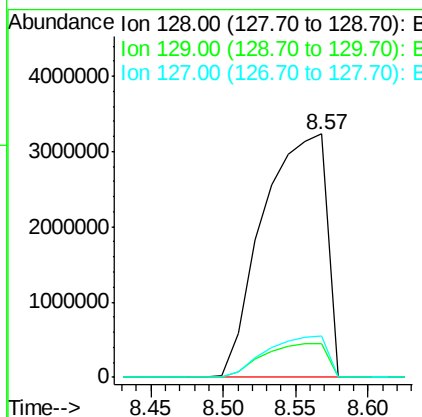
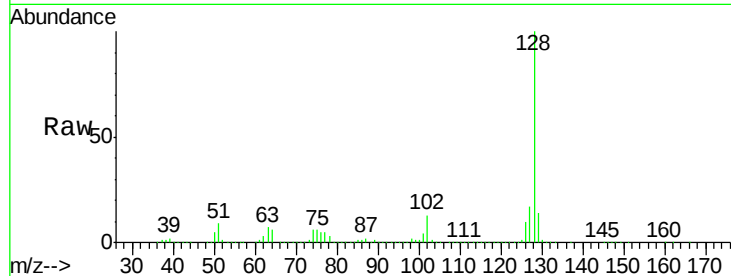




#31
Naphthalene
Concen: 1542.81 ng
RT: 8.57 min Scan# 672
Delta R.T. 0.06 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

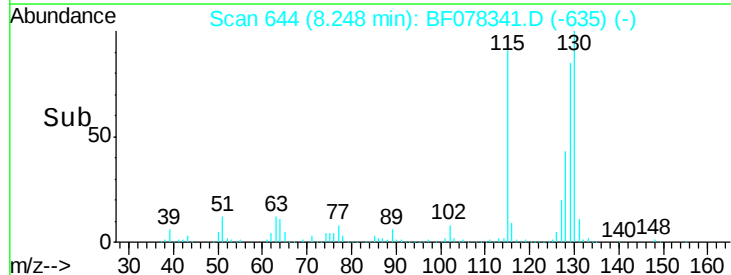
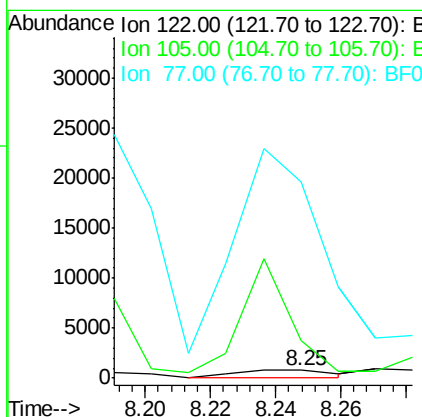
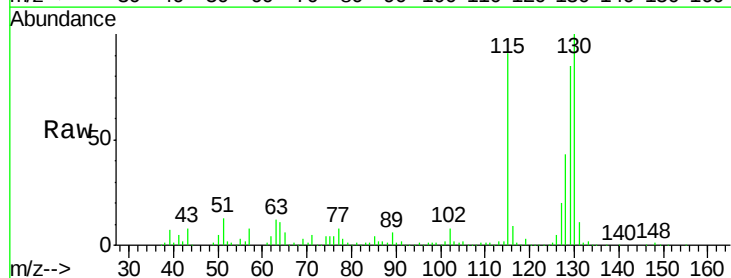
Instrument :
BNA_F
ClientSampleId :
SB-5D

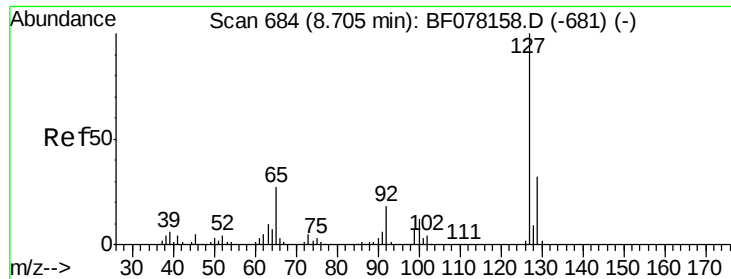
Tgt Ion:128 Resp: 9832241
Ion Ratio Lower Upper
128 100
129 13.7 8.6 12.8#
127 17.0 10.7 16.1#



#32
Benzoic acid
Concen: 7.45 ng
RT: 8.25 min Scan# 644
Delta R.T. 0.00 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

Tgt Ion:122 Resp: 1656
Ion Ratio Lower Upper
122 100
105 474.5 96.1 136.1#
77 2522.2 64.1 104.1#

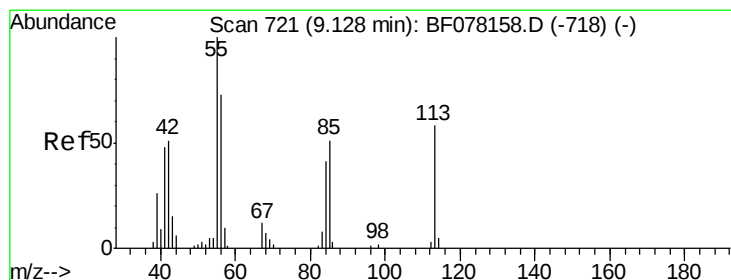
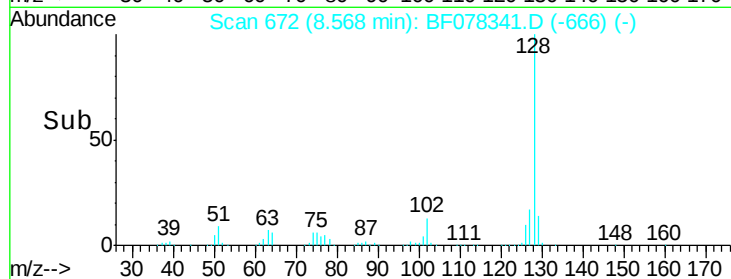
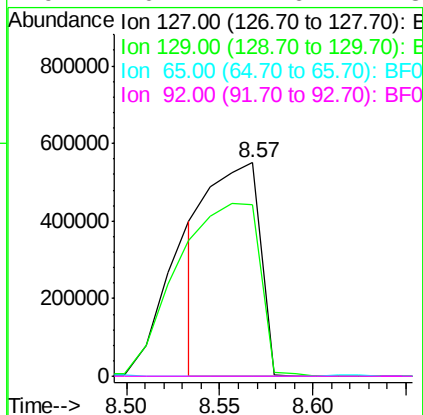
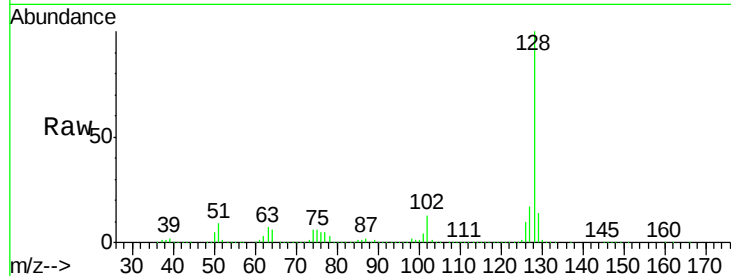




#33
4-Chloroaniline
Concen: 406.40 ng
RT: 8.57 min Scan# 672
Delta R.T. -0.03 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

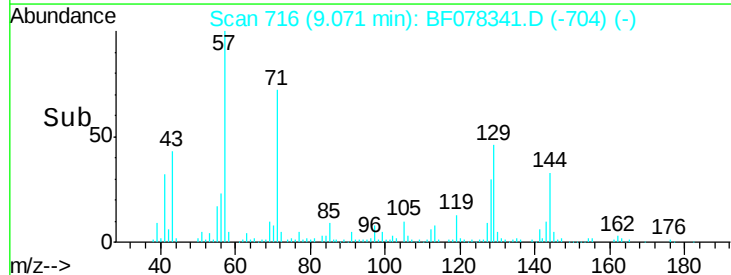
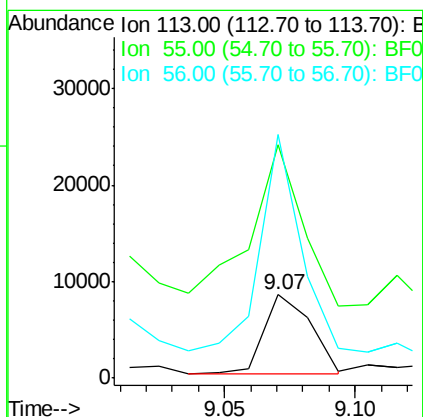
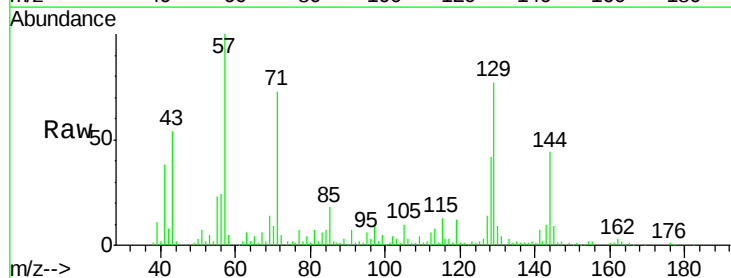
Instrument :
BNA_F
ClientSampleId :
SB-5D

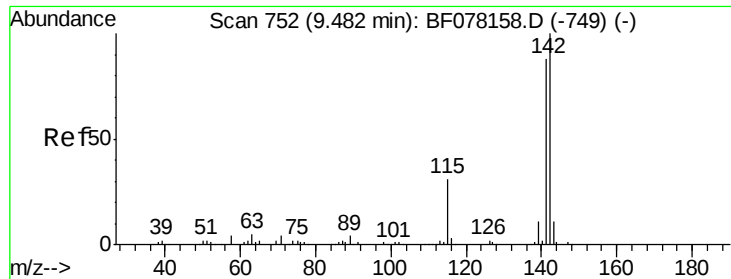
Tgt Ion:127 Resp: 1074737
Ion Ratio Lower Upper
127 100
129 80.6 25.5 38.3#
65 0.0 21.7 32.5#
92 0.1 14.6 21.8#



#35
Caprolactam
Concen: 19.97 ng
RT: 9.07 min Scan# 716
Delta R.T. 0.03 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

Tgt Ion:113 Resp: 10149
Ion Ratio Lower Upper
113 100
55 280.2 151.9 191.9#
56 292.2 106.1 146.1#

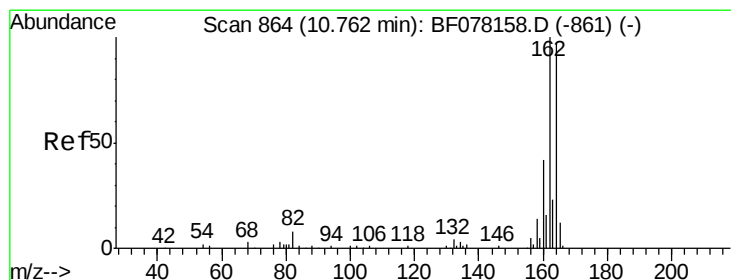
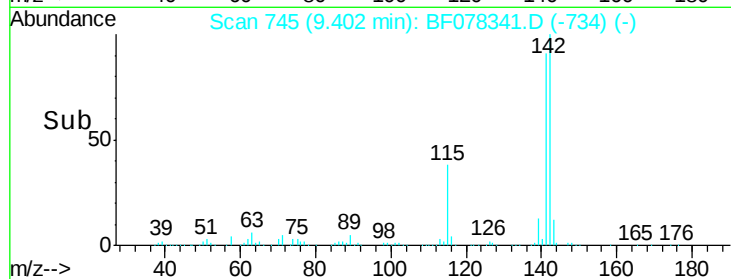
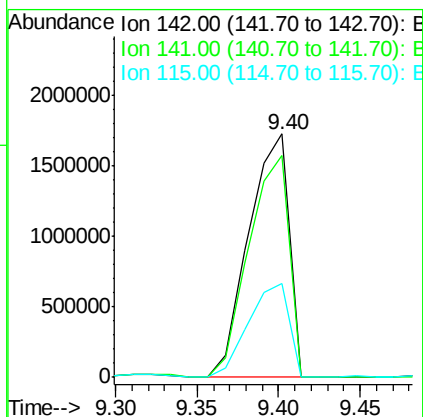
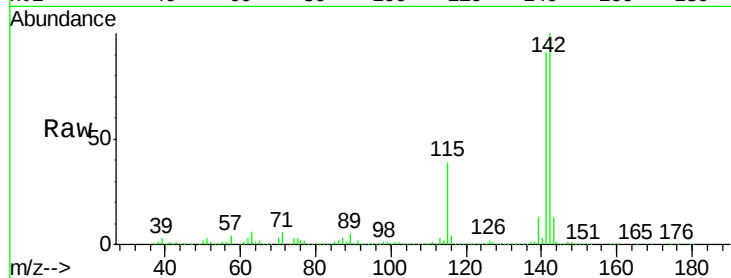




#37
 2-Methylnaphthalene
 Concen: 683.81 ng
 RT: 9.40 min Scan# 745
 Delta R.T. 0.02 min
 Lab File: BF078341.D
 Acq: 8 Apr 2015 18:39

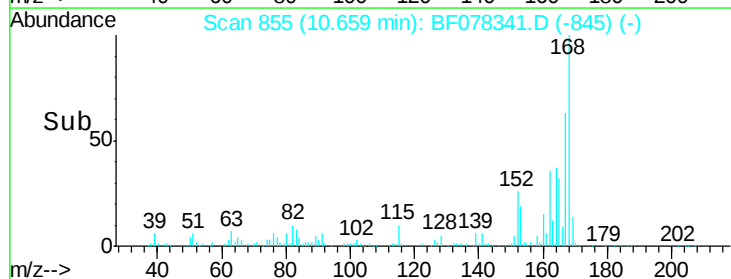
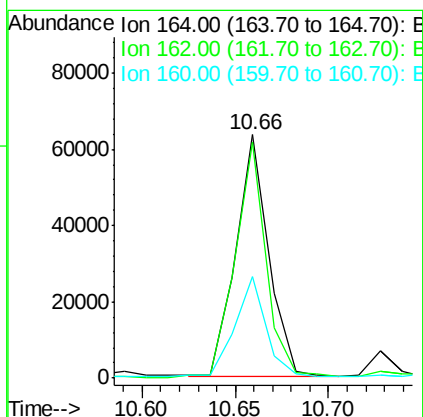
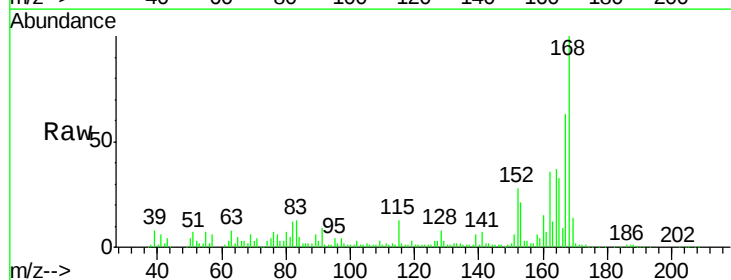
Instrument :
 BNA_F
 ClientSampleId :
 SB-5D

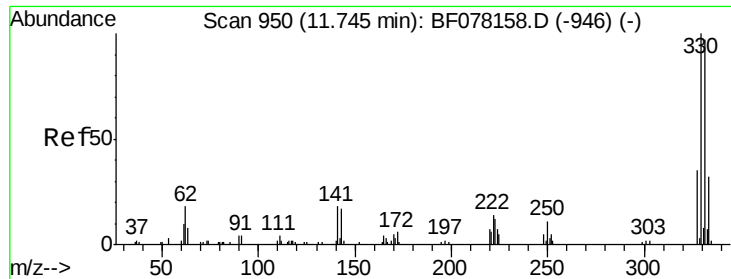
Tgt Ion:142 Resp: 2958692
 Ion Ratio Lower Upper
 142 100
 141 90.9 70.3 105.5
 115 38.7 24.6 37.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.66 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: BF078341.D
 Acq: 8 Apr 2015 18:39

Tgt Ion:164 Resp: 77118
 Ion Ratio Lower Upper
 164 100
 162 97.1 82.2 123.2
 160 41.7 34.7 52.1

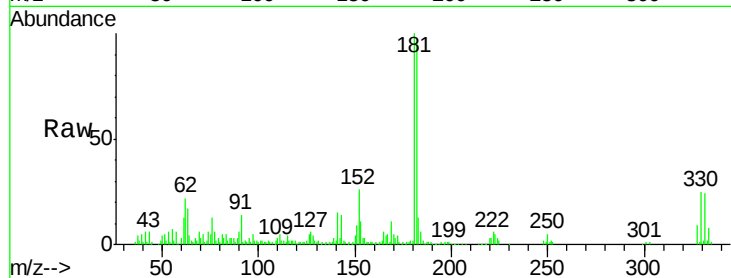




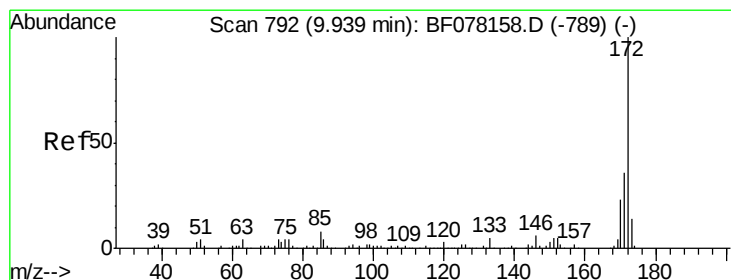
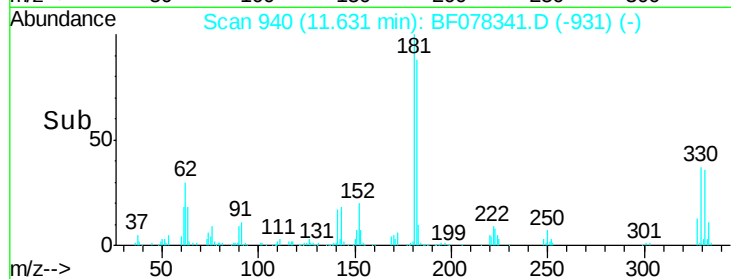
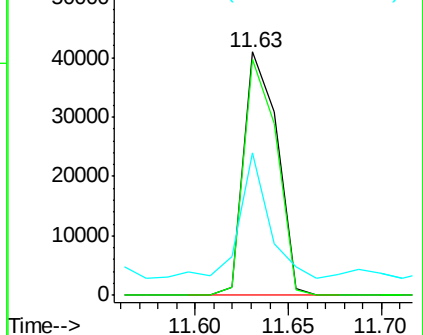
#41
 2,4,6-Tribromophenol
 Concen: 79.54 ng
 RT: 11.63 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: BF078341.D
 Acq: 8 Apr 2015 18:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-5D

Tgt Ion:330 Resp: 50870
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.6 117.8
 141 45.8 31.2 46.8

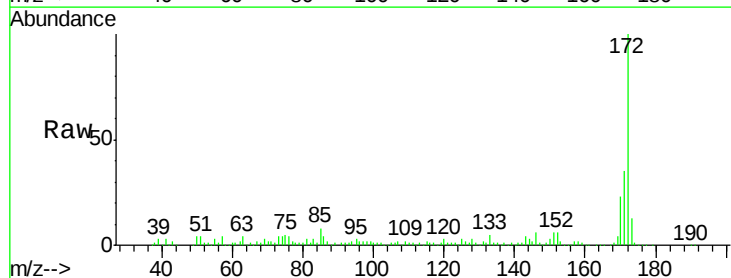


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

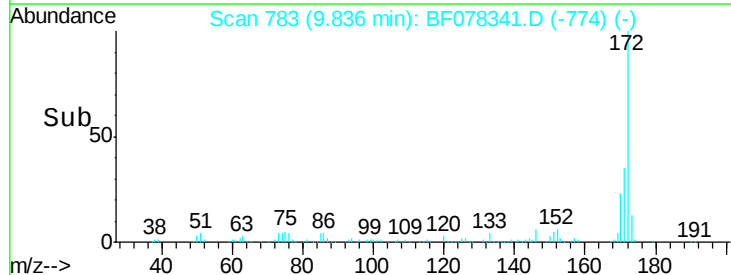
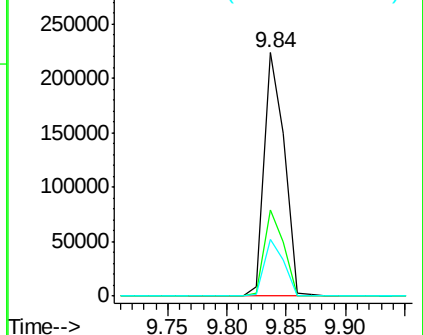


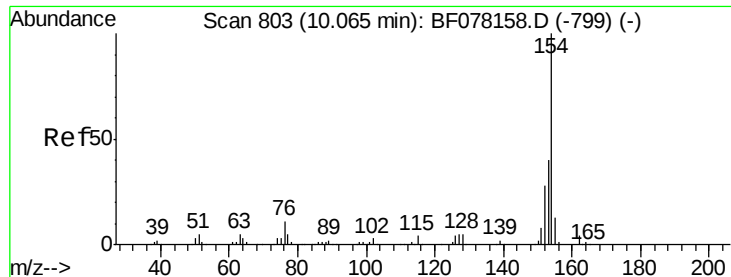
#44
 2-Fluorobiphenyl
 Concen: 49.48 ng
 RT: 9.84 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF078341.D
 Acq: 8 Apr 2015 18:39

Tgt Ion:172 Resp: 266939
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.5 18.5 27.7



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: 212.69 ng

RT: 9.96 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

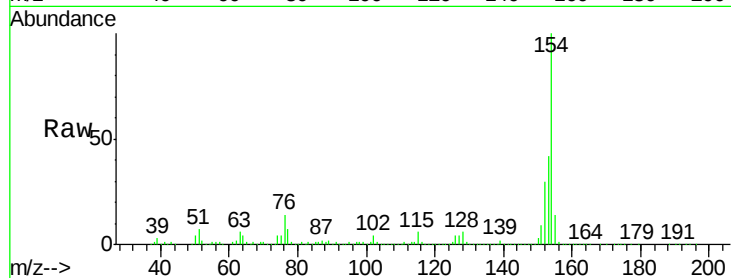
Tgt Ion:154 Resp: 1341650

Ion Ratio Lower Upper

154 100

153 41.7 20.0 60.0

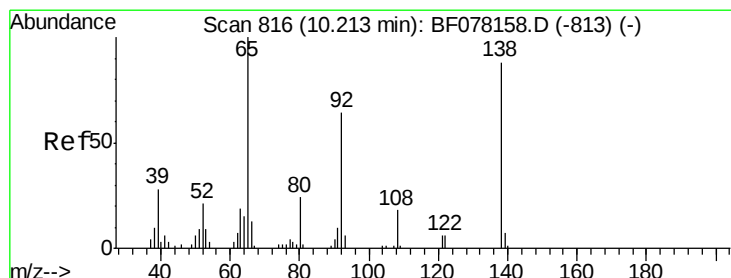
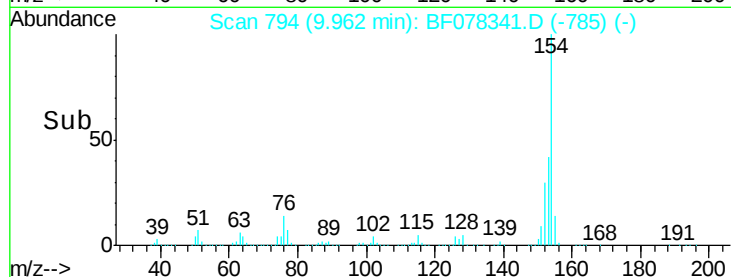
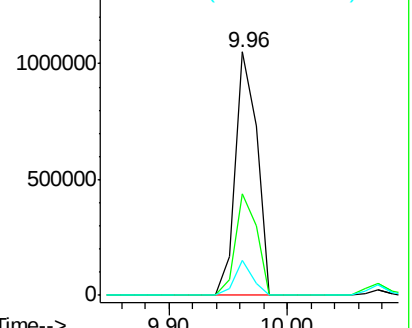
76 14.5 0.0 30.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#47

2-Nitroaniline

Concen: 7.40 ng

RT: 10.16 min Scan# 811

Delta R.T. 0.05 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

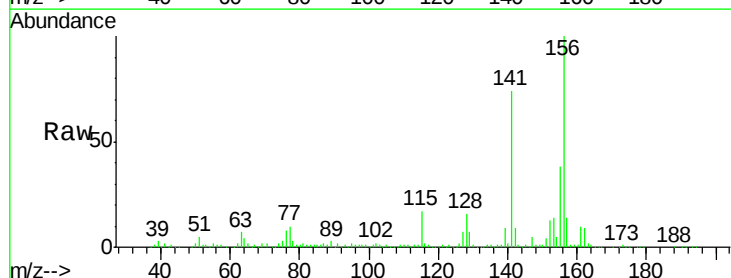
Tgt Ion: 65 Resp: 9085

Ion Ratio Lower Upper

65 100

92 19.7 51.3 76.9#

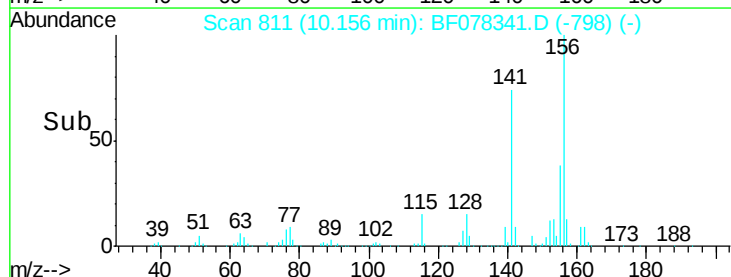
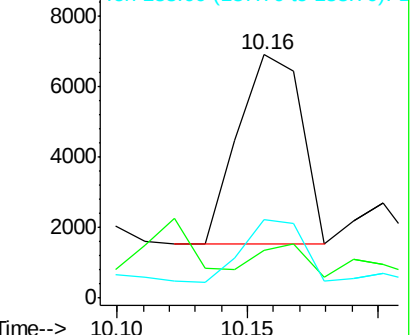
138 32.0 70.4 105.6#

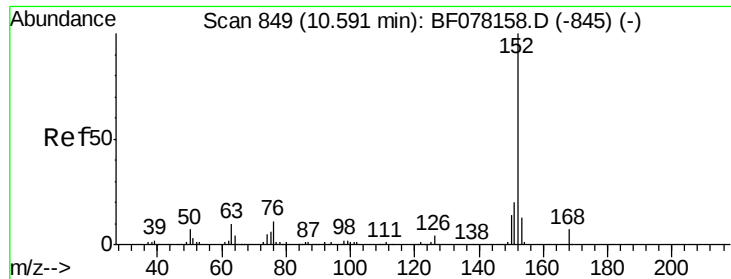


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 142.26 ng

RT: 10.49 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

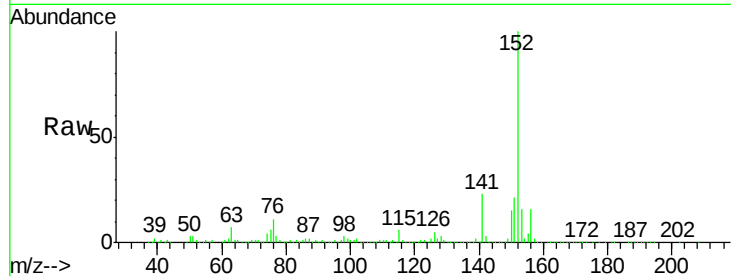
Tgt Ion:152 Resp: 1140175

Ion Ratio Lower Upper

152 100

151 21.4 15.7 23.5

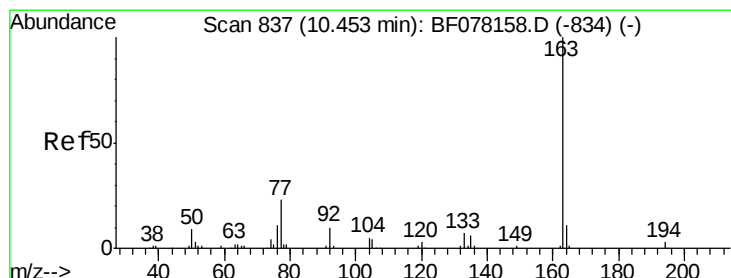
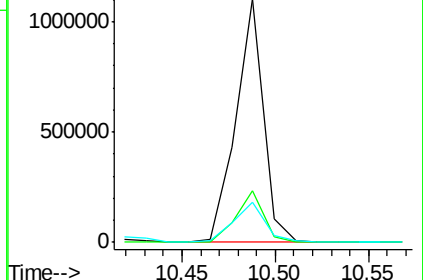
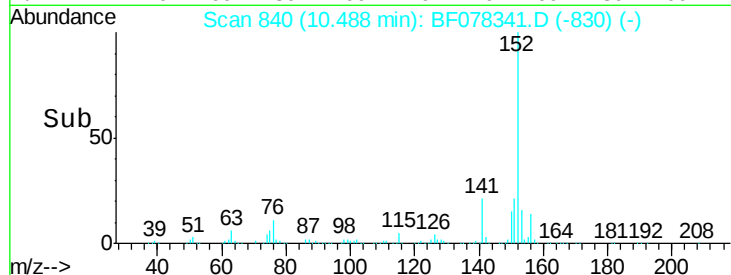
153 16.4 10.2 15.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.91 ng

RT: 10.36 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

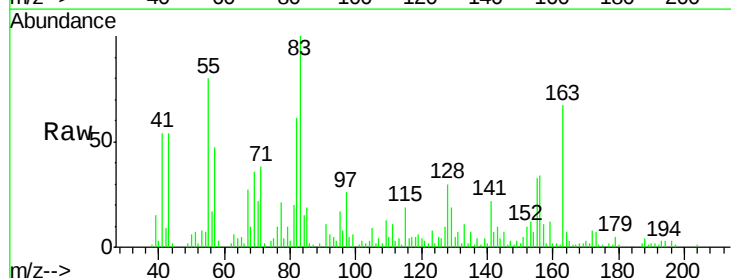
Tgt Ion:163 Resp: 22642

Ion Ratio Lower Upper

163 100

194 4.6 2.3 3.5#

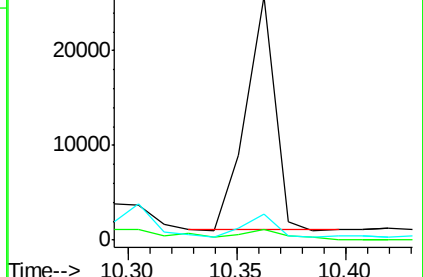
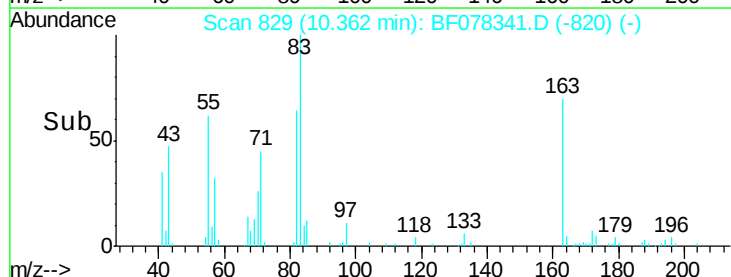
164 10.5 8.6 13.0

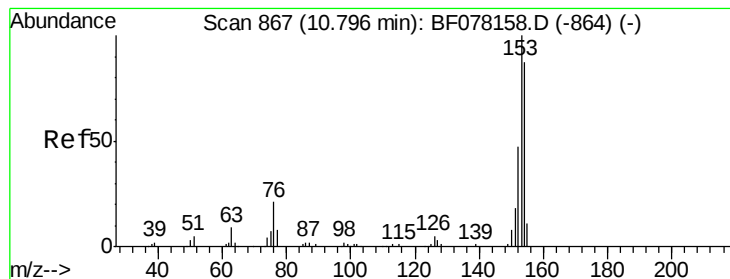


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 433.60 ng

RT: 10.72 min Scan# 860

Delta R.T. 0.02 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

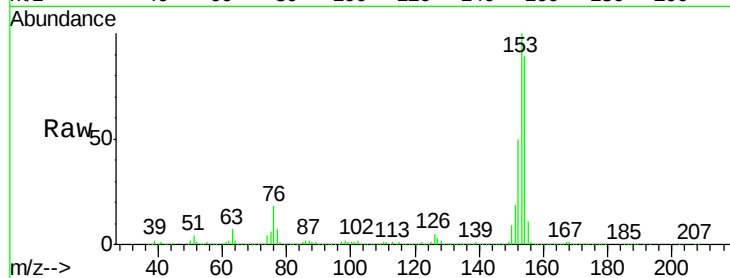
Tgt Ion:154 Resp: 1956496

Ion Ratio Lower Upper

154 100

153 112.7 91.4 137.2

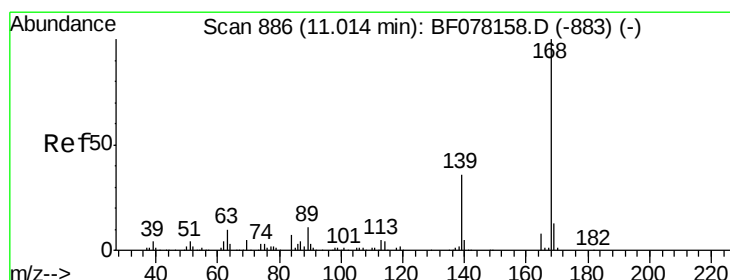
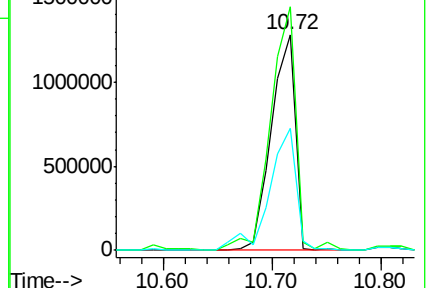
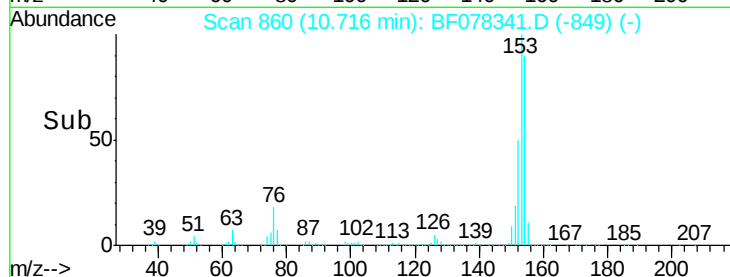
152 56.6 43.0 64.6



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: 75.60 ng

RT: 10.91 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

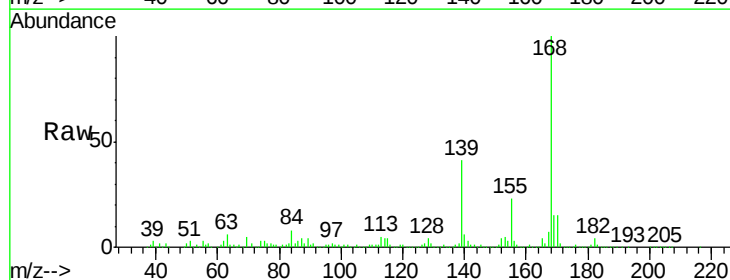
Tgt Ion:168 Resp: 521019

Ion Ratio Lower Upper

168 100

139 41.0 31.0 46.4

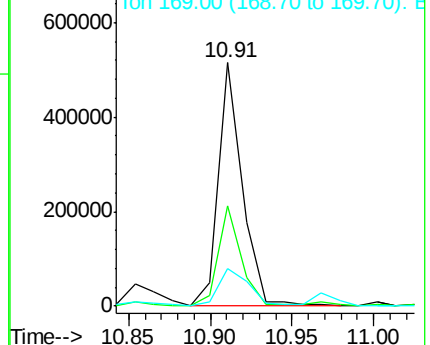
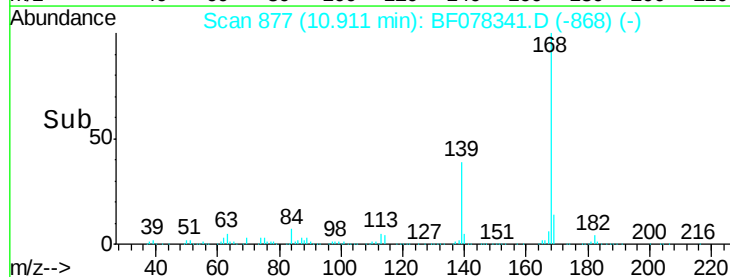
169 15.4 10.7 16.1

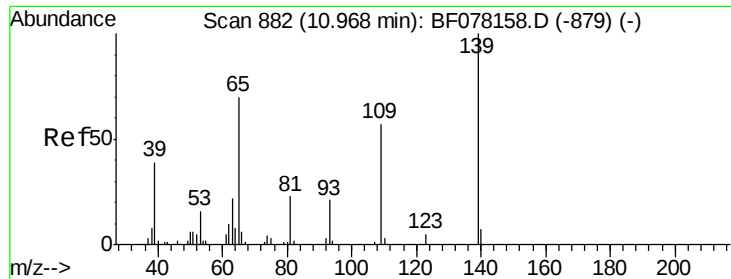


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

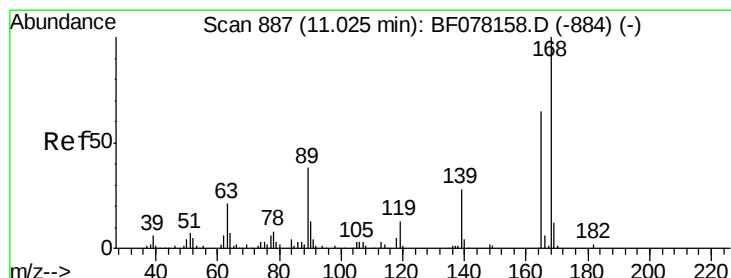
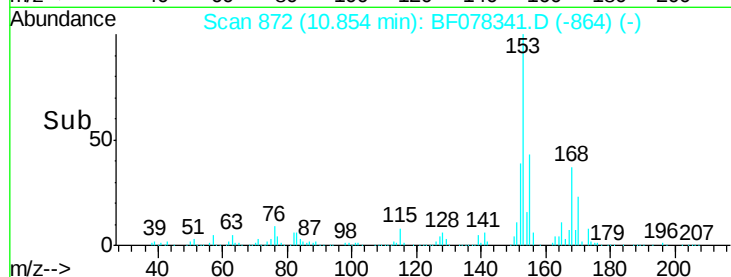
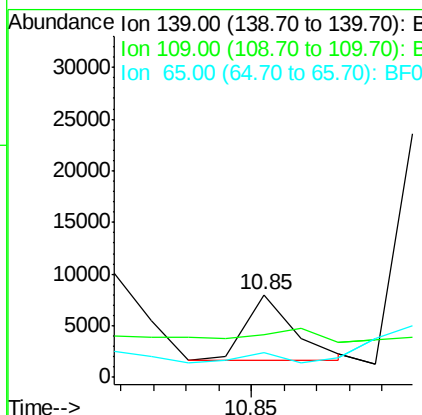
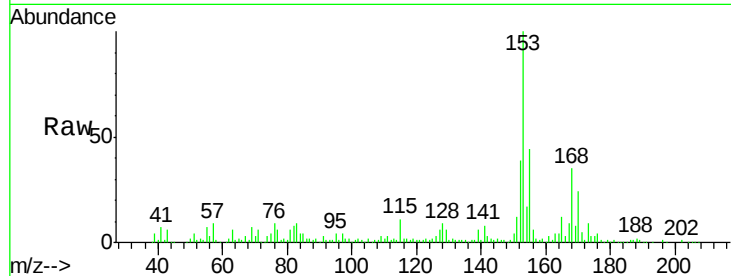




#55
4-Nitrophenol
Concen: 8.87 ng
RT: 10.85 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

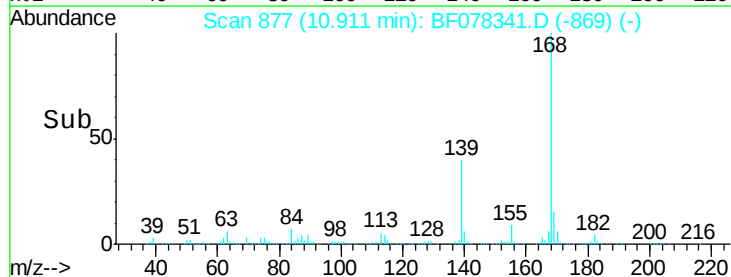
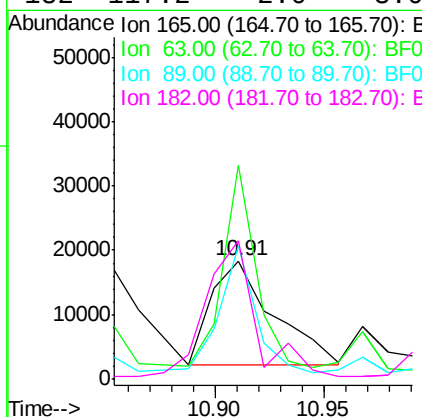
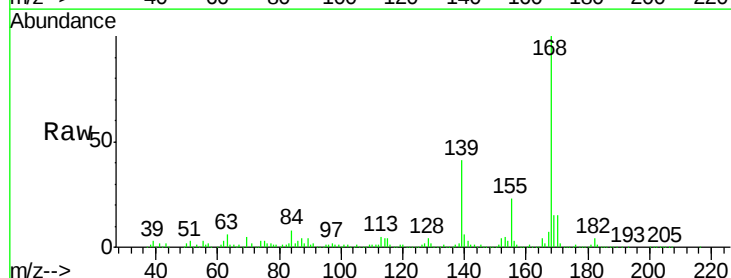
Instrument :
BNA_F
ClientSampleId :
SB-5D

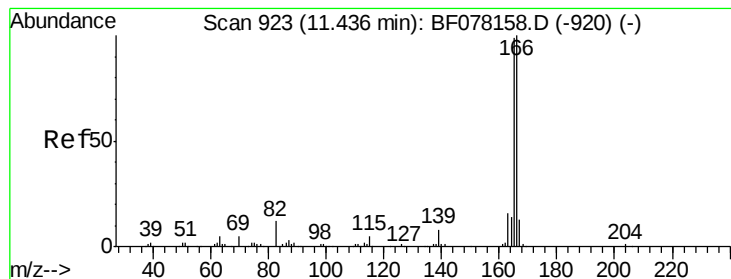
Tgt Ion:139 Resp: 6316
Ion Ratio Lower Upper
139 100
109 51.4 36.7 76.7
65 29.6 49.9 89.9#



#56
2,4-Dinitrotoluene
Concen: 21.14 ng
RT: 10.91 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

Tgt Ion:165 Resp: 32641
Ion Ratio Lower Upper
165 100
63 180.5 26.5 39.7#
89 112.1 46.4 69.6#
182 117.2 2.0 3.0#





#57

Fluorene

Concen: 339.45 ng

RT: 11.35 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

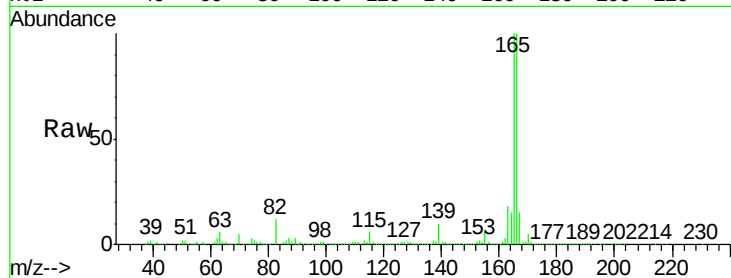
Tgt Ion:166 Resp: 1896342

Ion Ratio Lower Upper

166 100

165 99.6 78.9 118.3

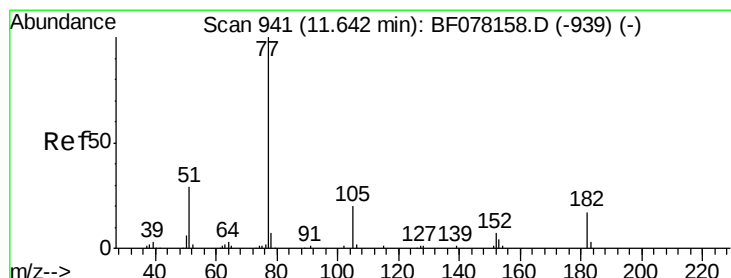
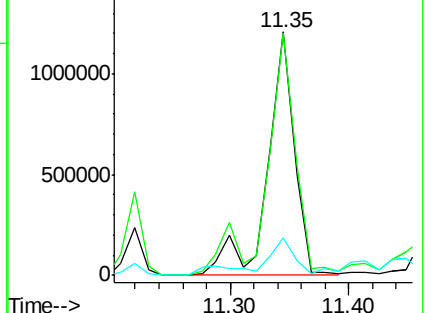
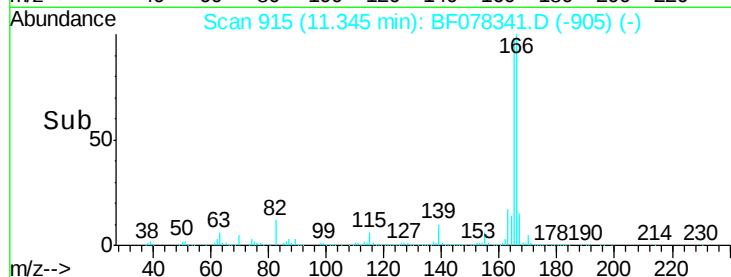
167 15.4 10.7 16.1



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



#62

Azobenzene

Concen: 6.57 ng

RT: 11.56 min Scan# 934

Delta R.T. 0.02 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Tgt Ion: 77 Resp: 33475

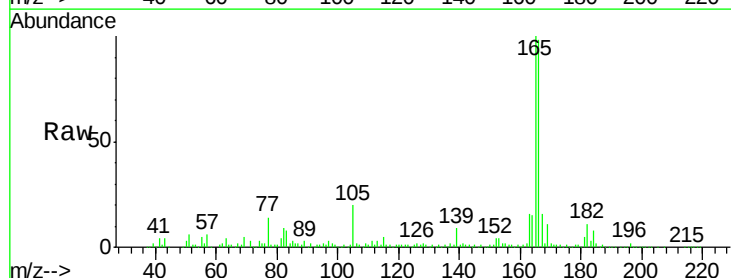
Ion Ratio Lower Upper

77 100

182 84.3 0.0 36.8#

105 150.2 0.3 40.3#

51 42.2 9.1 49.1

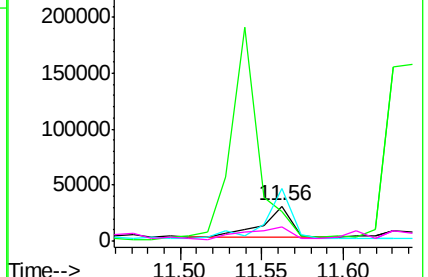
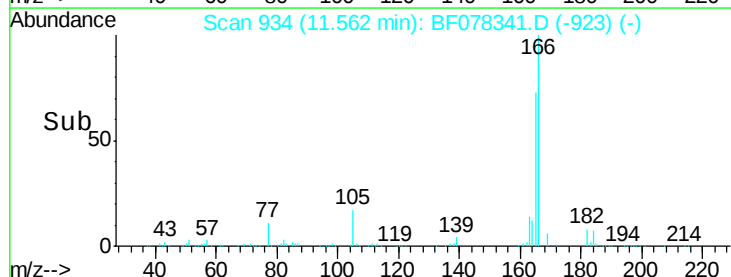


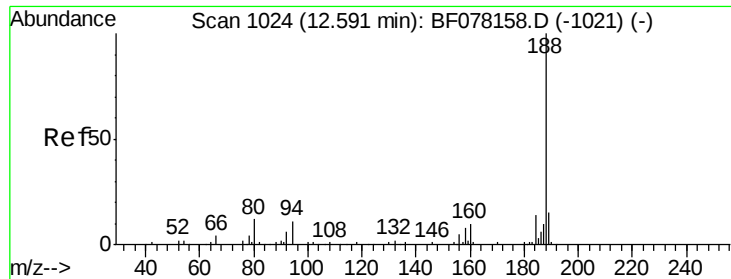
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

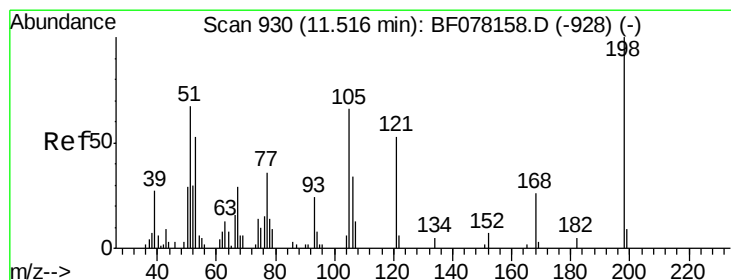
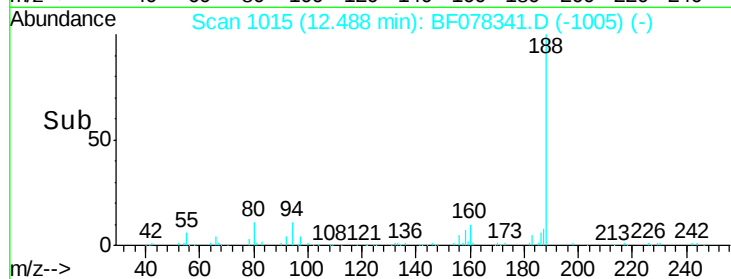
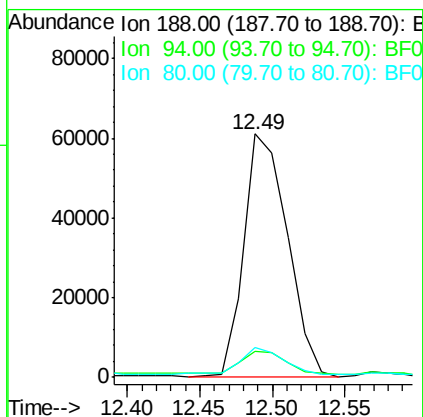
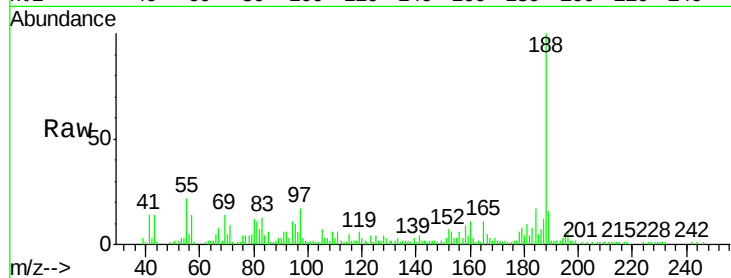




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.49 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

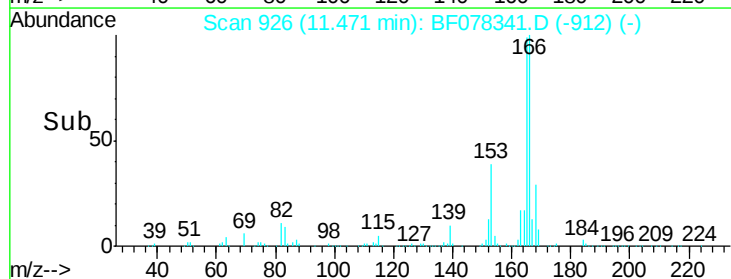
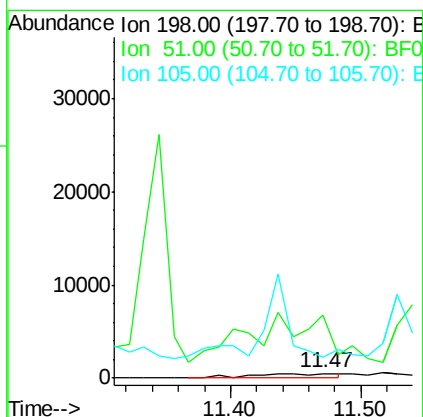
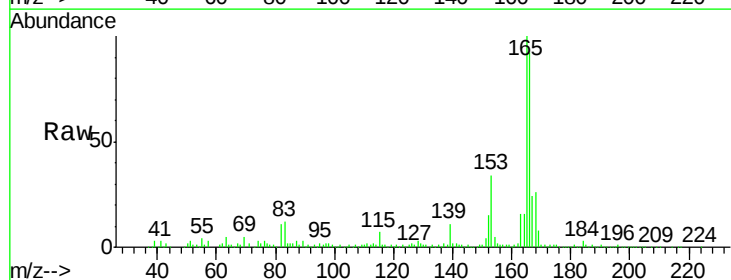
Instrument :
BNA_F
ClientSampleId :
SB-5D

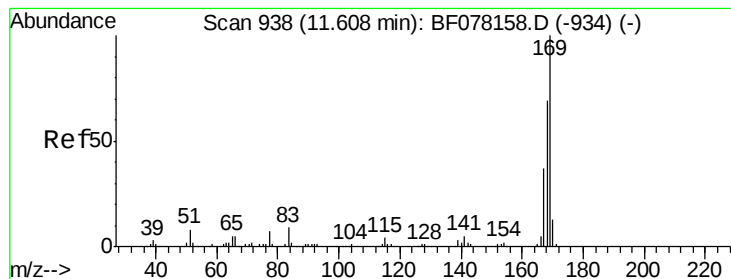
Tgt Ion:188 Resp: 127297
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.4
80 12.3 9.5 14.3



#64
4,6-Dinitro-2-methylphenol
Concen: 11.35 ng
RT: 11.47 min Scan# 926
Delta R.T. 0.06 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

Tgt Ion:198 Resp: 2142
Ion Ratio Lower Upper
198 100
51 1329.0 48.6 88.6#
105 448.7 45.8 85.8#





#65

n-Nitrosodiphenylamine

Concen: 12.14 ng

RT: 11.49 min Scan# 928

Delta R.T. 0.00 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampled :

SB-5D

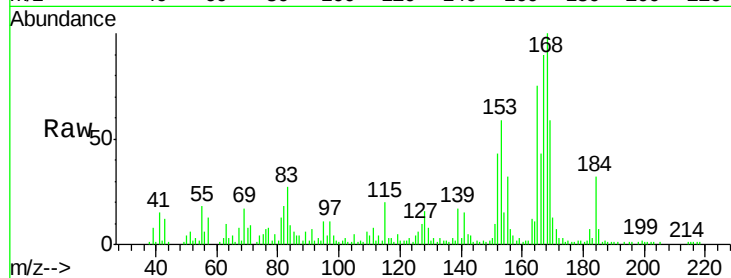
Tgt Ion:169 Resp: 53468

Ion Ratio Lower Upper

169 100

168 168.1 55.0 82.4#

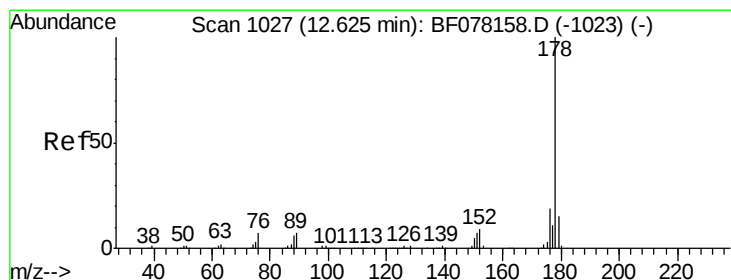
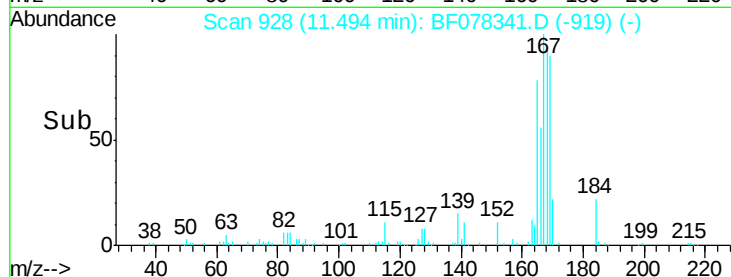
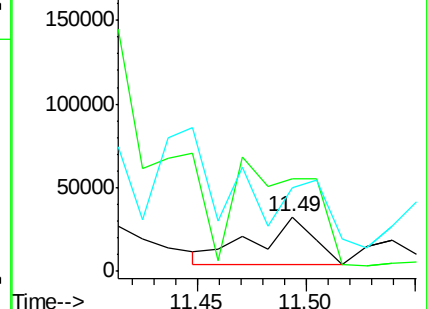
167 152.1 29.3 43.9#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 883.08 ng

RT: 12.56 min Scan# 1021

Delta R.T. 0.05 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

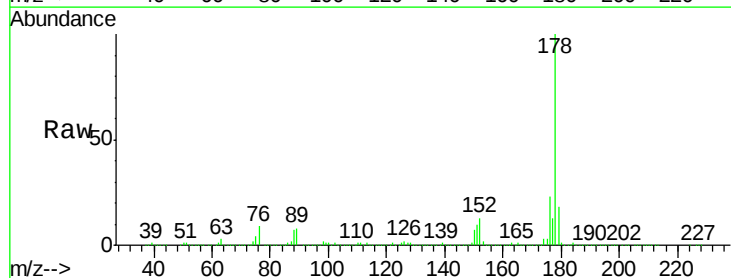
Tgt Ion:178 Resp: 6502548

Ion Ratio Lower Upper

178 100

176 23.1 15.4 23.0#

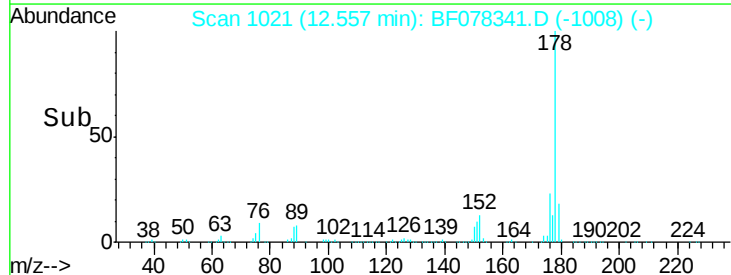
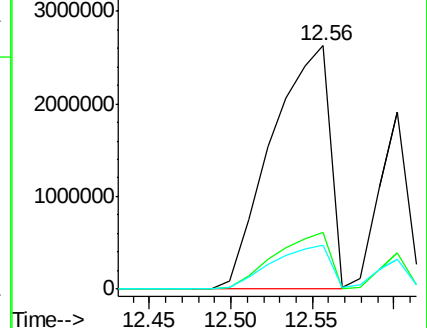
179 18.1 12.2 18.2

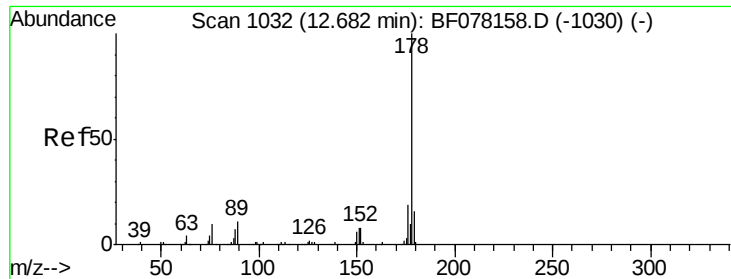


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

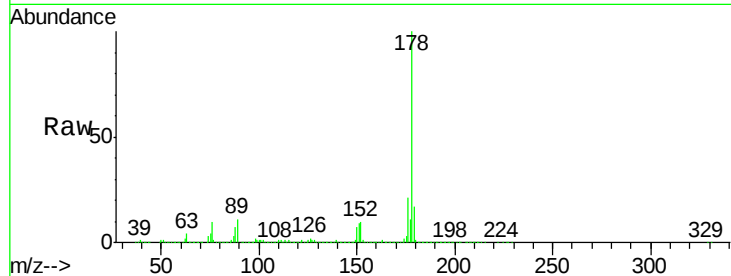




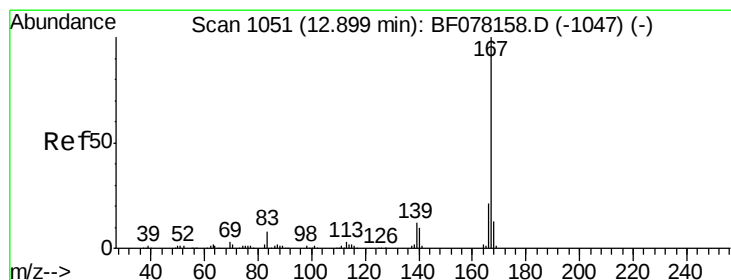
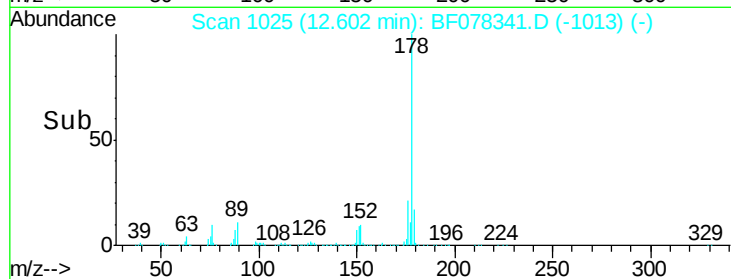
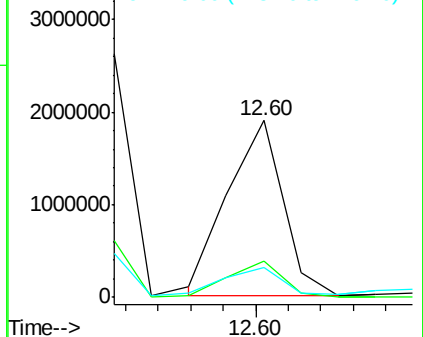
#71
 Anthracene
 Concen: 304.19 ng
 RT: 12.60 min Scan# 1025
 Delta R.T. 0.03 min
 Lab File: BF078341.D
 Acq: 8 Apr 2015 18:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-5D

Tgt Ion:178 Resp: 2207188
 Ion Ratio Lower Upper
 178 100
 176 20.7 14.8 22.2
 179 17.2 12.4 18.6

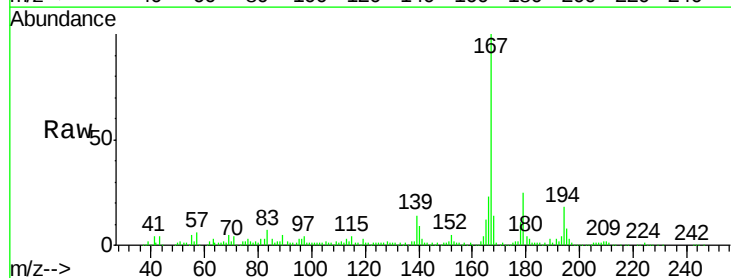


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

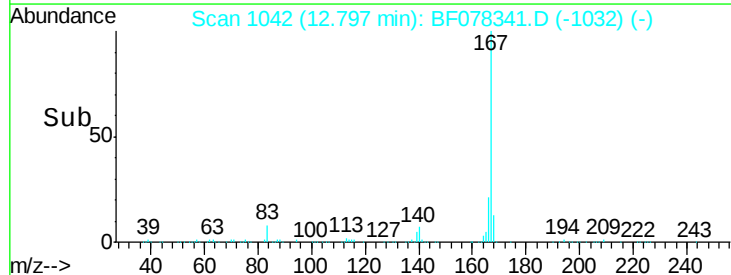
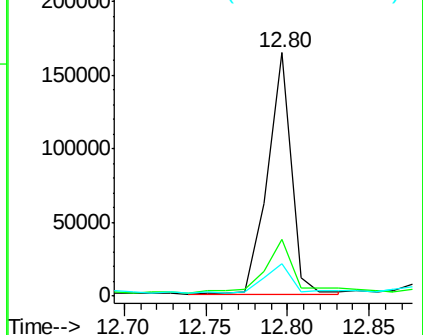


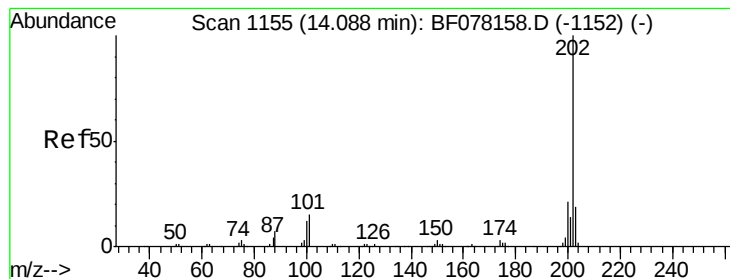
#72
 Carbazole
 Concen: 24.38 ng
 RT: 12.80 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BF078341.D
 Acq: 8 Apr 2015 18:39

Tgt Ion:167 Resp: 165781
 Ion Ratio Lower Upper
 167 100
 166 23.1 16.8 25.2
 139 13.5 10.0 15.0



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





#74

Fluoranthene

Concen: 444.51 ng

RT: 14.01 min Scan# 1148

Delta R.T. 0.03 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

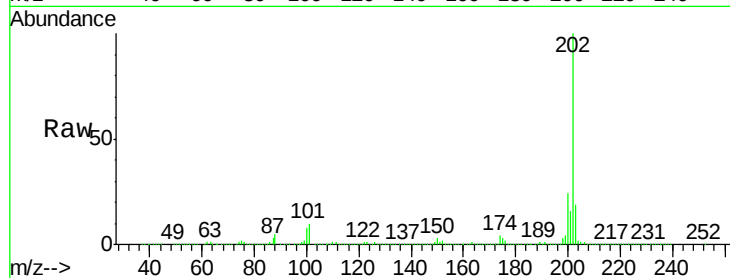
Tgt Ion:202 Resp: 3451862

Ion Ratio Lower Upper

202 100

101 10.4 0.0 35.2

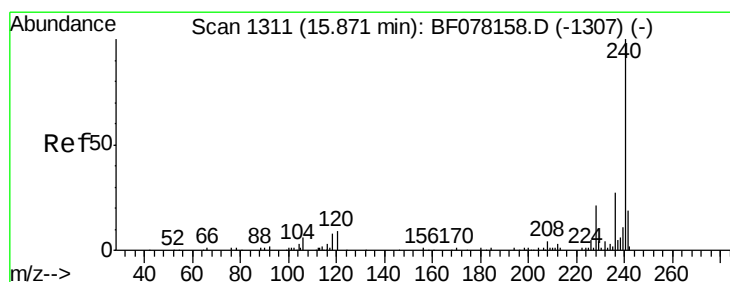
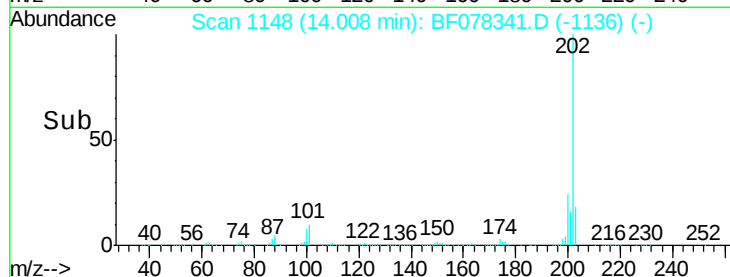
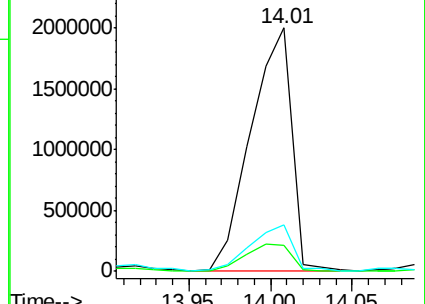
203 19.1 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.79 min Scan# 1304

Delta R.T. 0.02 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

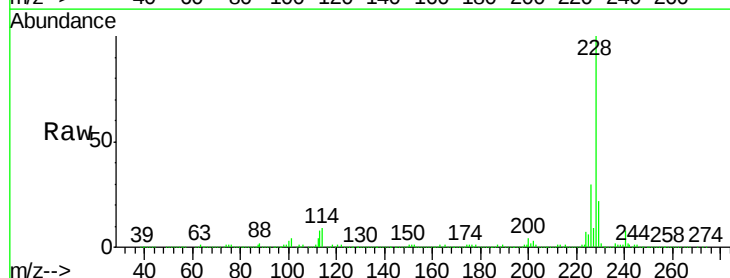
Tgt Ion:240 Resp: 121782

Ion Ratio Lower Upper

240 100

120 17.8 7.1 10.7#

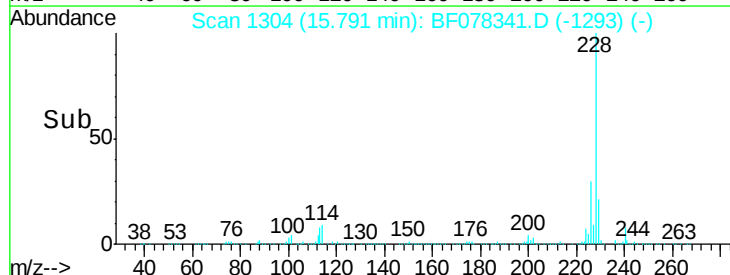
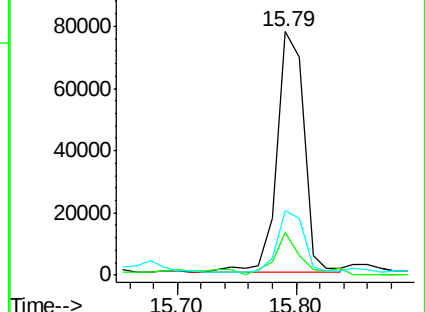
236 26.6 21.4 32.2

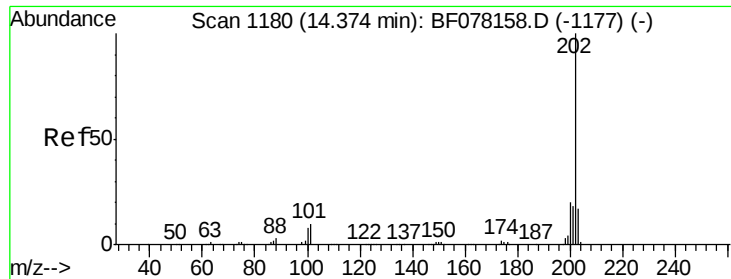


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 604.19 ng

RT: 14.29 min Scan# 1173

Delta R.T. 0.05 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

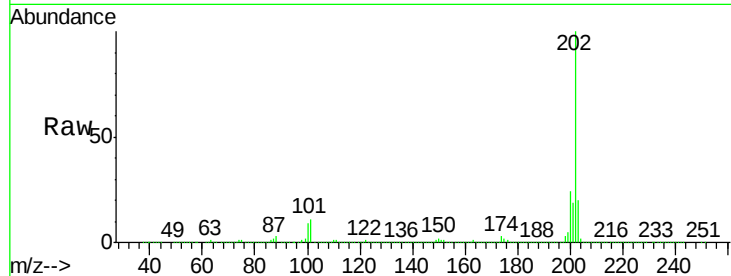
Tgt Ion:202 Resp: 4618972

Ion Ratio Lower Upper

202 100

200 24.1 16.3 24.5

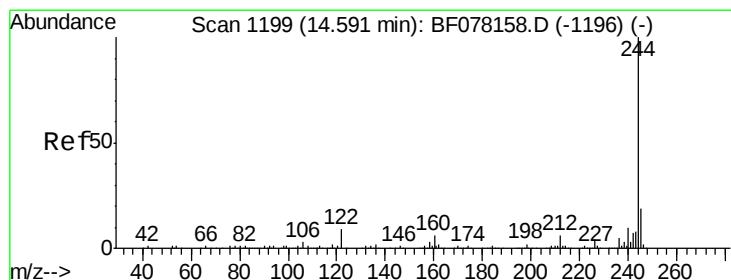
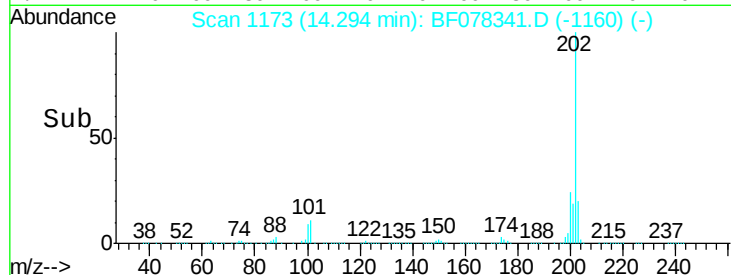
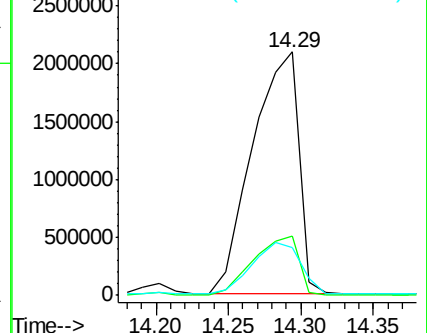
203 19.7 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 51.70 ng

RT: 14.48 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

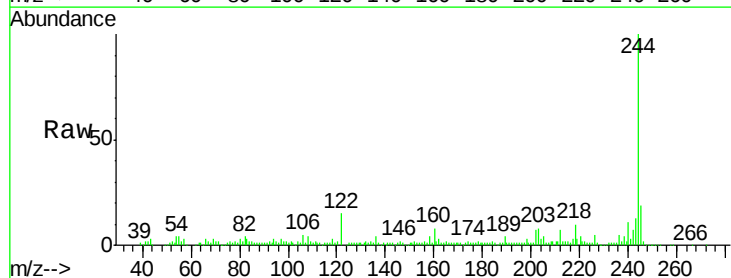
Tgt Ion:244 Resp: 278617

Ion Ratio Lower Upper

244 100

212 7.1 5.0 7.4

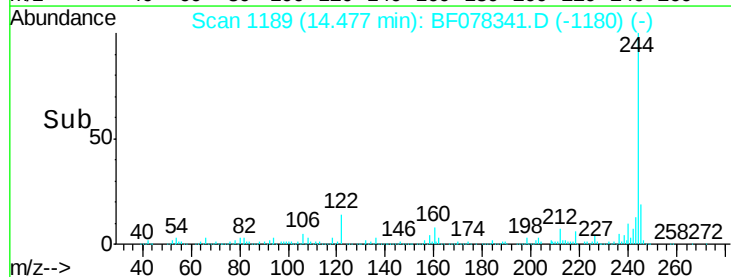
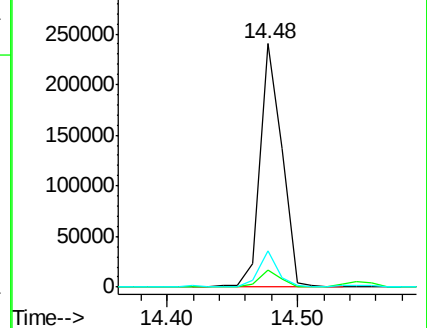
122 14.6 7.1 10.7#

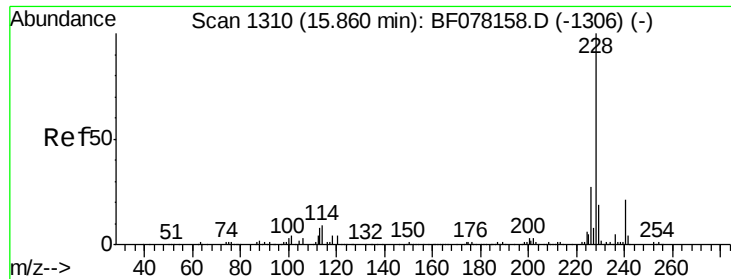


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

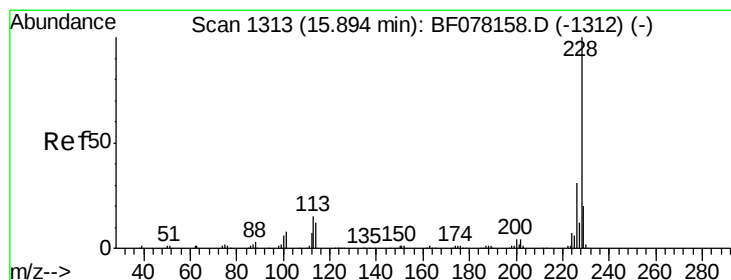
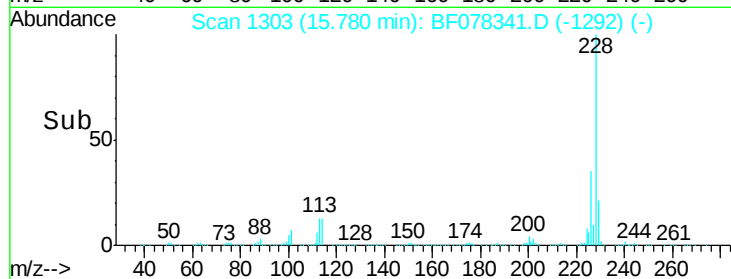
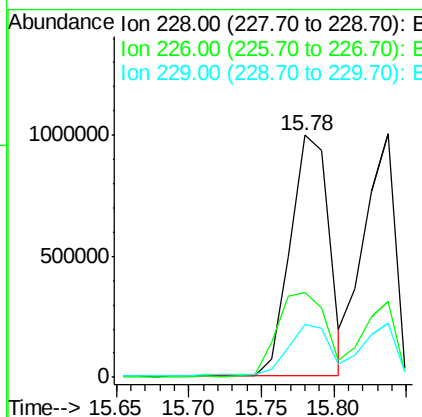
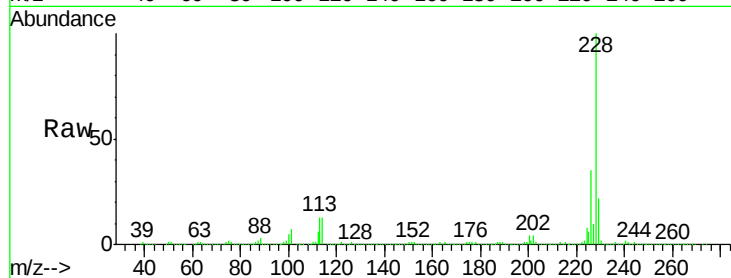




#80
Benzo(a)anthracene
Concen: 255.83 ng
RT: 15.78 min Scan# 1303
Delta R.T. 0.02 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

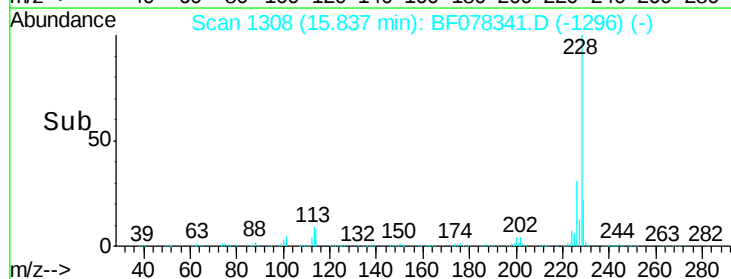
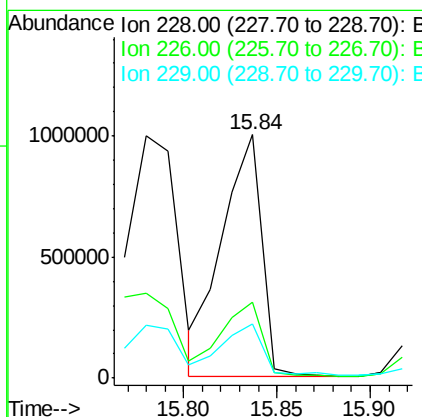
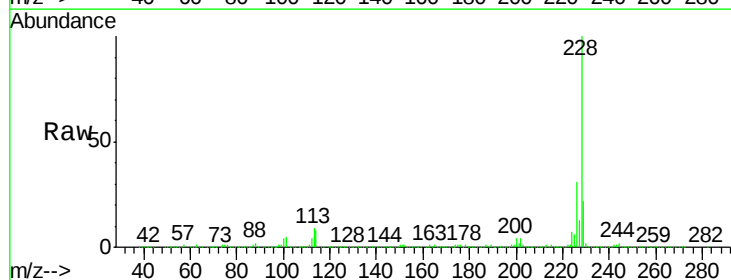
Instrument :
BNA_F
ClientSampled :
SB-5D

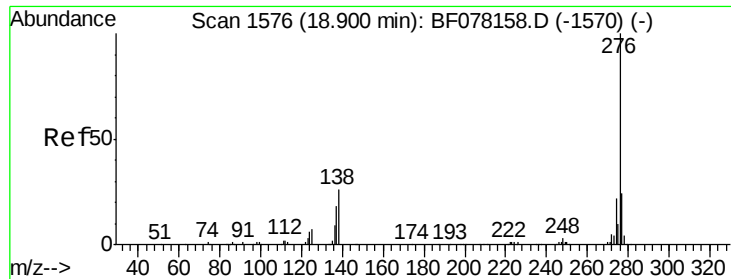
Tgt Ion:228 Resp: 1853693
Ion Ratio Lower Upper
228 100
226 34.9 21.3 31.9#
229 22.0 15.4 23.2



#82
Chrysene
Concen: 217.06 ng
RT: 15.84 min Scan# 1308
Delta R.T. 0.03 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

Tgt Ion:228 Resp: 1477703
Ion Ratio Lower Upper
228 100
226 31.4 24.2 36.4
229 22.2 15.8 23.8

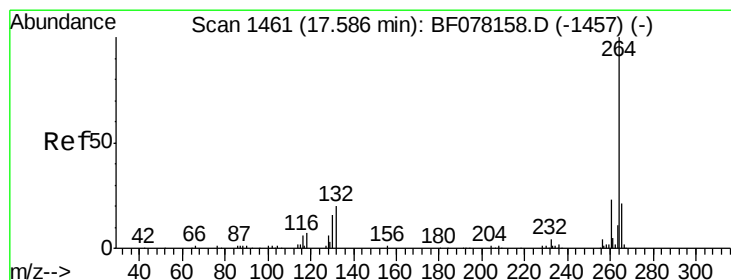
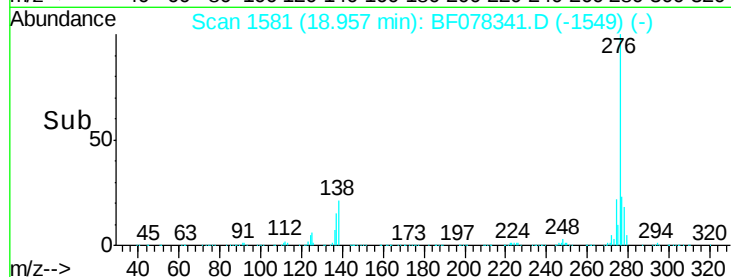
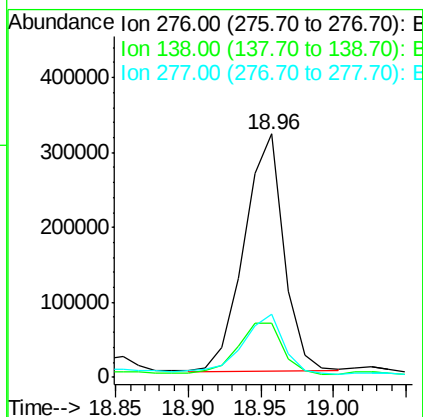
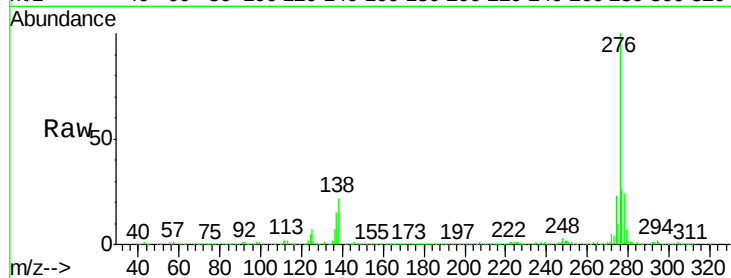




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 77.70 ng
 RT: 18.96 min Scan# 1581
 Delta R.T. 0.07 min
 Lab File: BF078341.D
 Acq: 8 Apr 2015 18:39

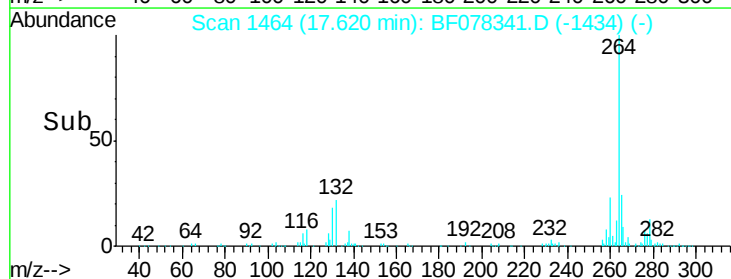
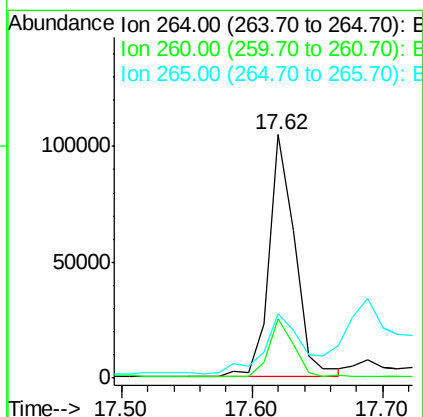
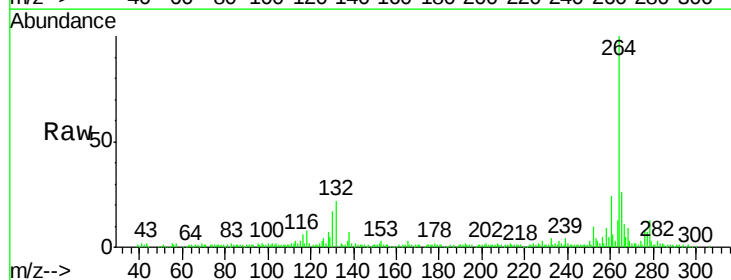
Instrument :
 BNA_F
 ClientSampleId :
 SB-5D

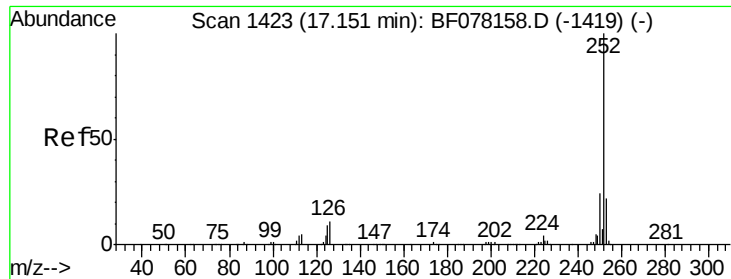
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.6	16.9	25.3
277	26.7	15.8	23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.62 min Scan# 1464
 Delta R.T. 0.05 min
 Lab File: BF078341.D
 Acq: 8 Apr 2015 18:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.6	27.8
265	26.4	17.0	25.6#





#87

Benzo(b)fluoranthene

Concen: 193.41 ng

RT: 17.16 min Scan# 1424

Delta R.T. 0.06 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

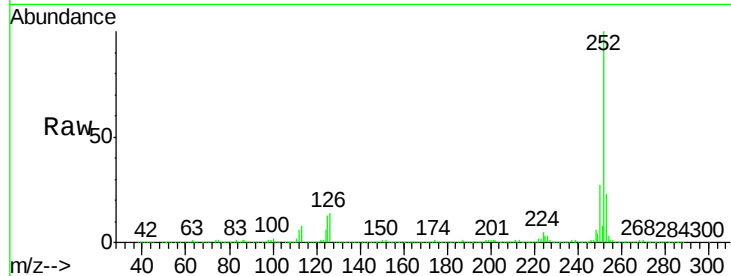
Tgt Ion:252 Resp: 1722927

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

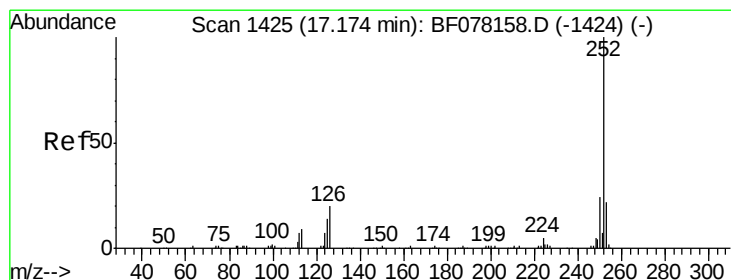
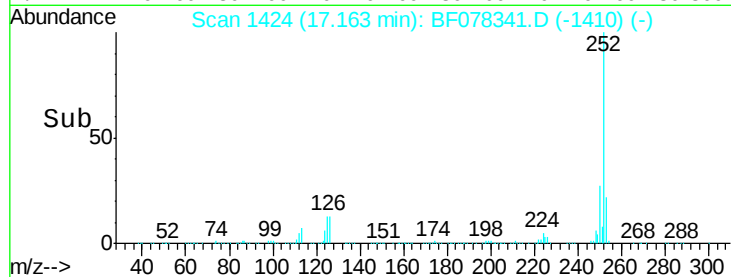
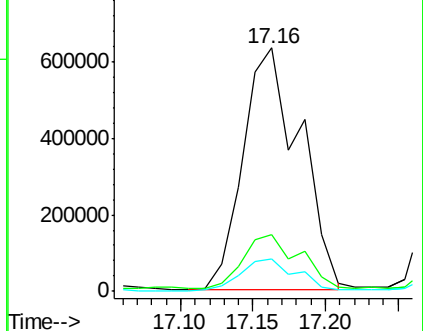
125 13.2 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 218.96 ng

RT: 17.16 min Scan# 1424

Delta R.T. 0.02 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

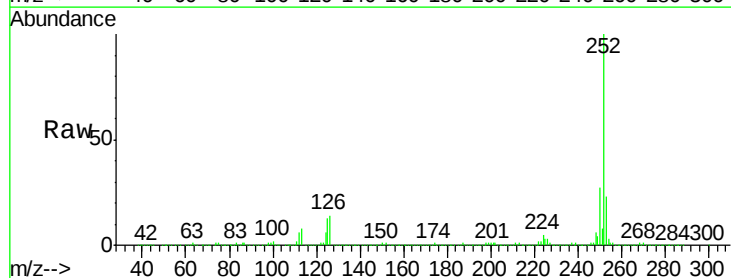
Tgt Ion:252 Resp: 1733363

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

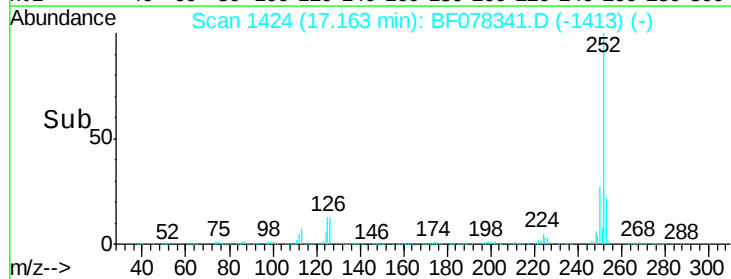
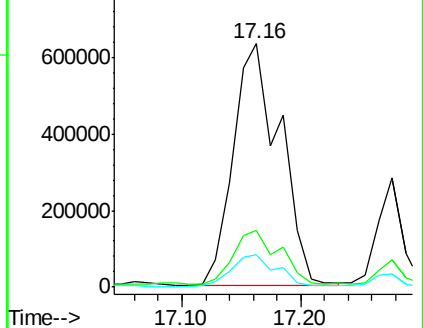
125 13.2 11.6 17.4

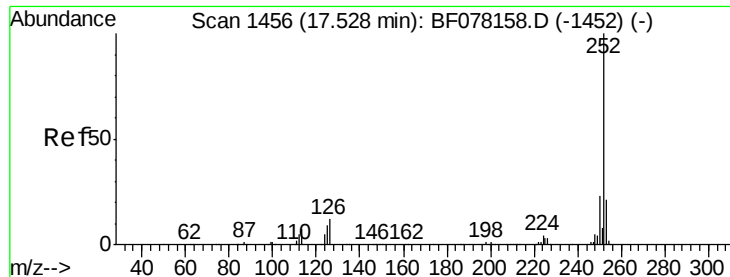


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

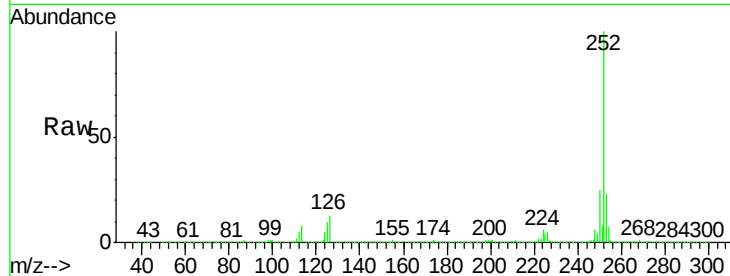




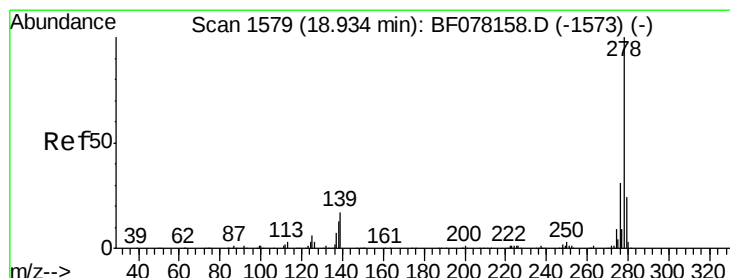
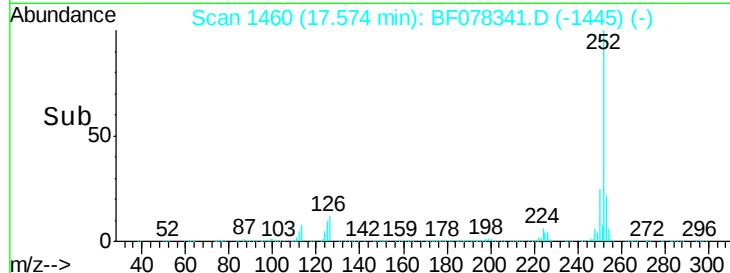
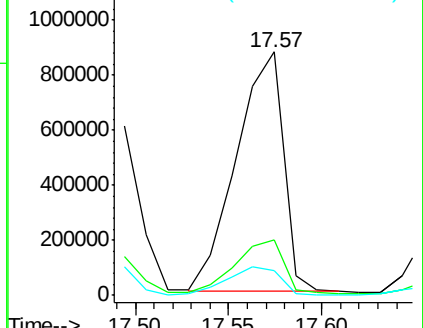
#89
Benzo(a)pyrene
Concen: 197.53 ng
RT: 17.57 min Scan# 1460
Delta R.T. 0.07 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

Instrument :
BNA_F
ClientSampleId :
SB-5D

Tgt Ion:252 Resp: 1535728
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 10.2 7.4 11.0

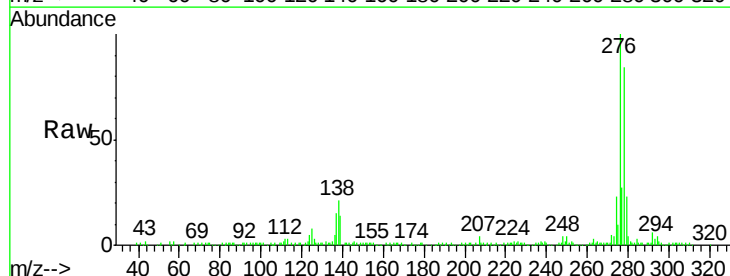


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

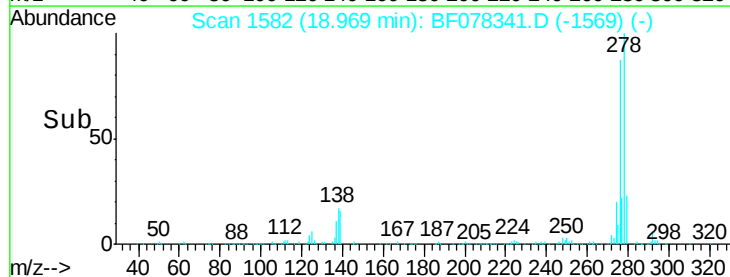
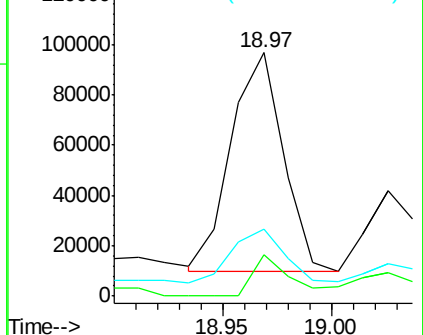


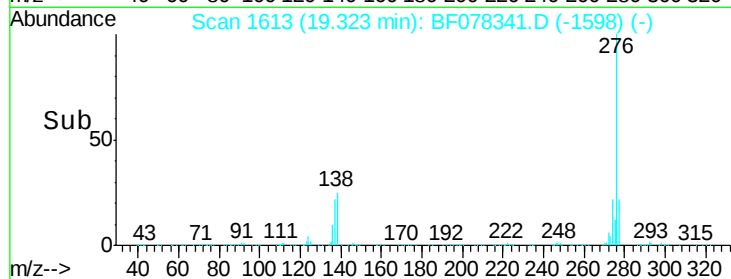
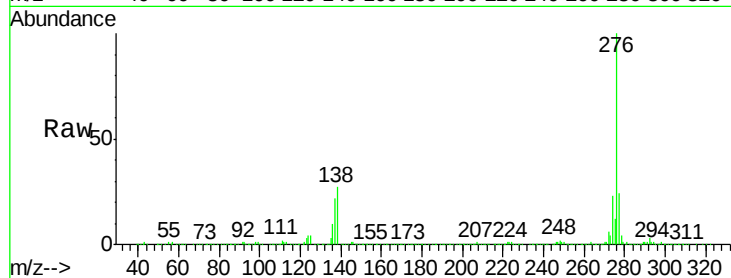
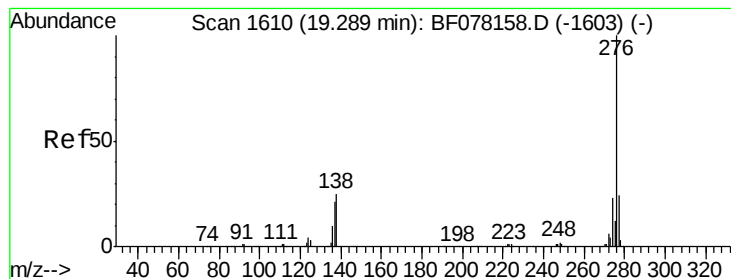
#90
Dibenzo(a,h)anthracene
Concen: 18.66 ng
RT: 18.97 min Scan# 1582
Delta R.T. 0.05 min
Lab File: BF078341.D
Acq: 8 Apr 2015 18:39

Tgt Ion:278 Resp: 145281
Ion Ratio Lower Upper
278 100
139 17.1 13.6 20.4
279 27.5 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 92.61 ng

RT: 19.32 min Scan# 1613

Delta R.T. 0.07 min

Lab File: BF078341.D

Acq: 8 Apr 2015 18:39

Instrument :

BNA_F

ClientSampleId :

SB-5D

Tgt Ion: 276 Resp: 722750

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 26.8 19.9 29.9

