

Data Path : Y:\HPCHEM1\BNA F\DATA\BF060515\
 Data File : BF079766.D
 Acq On : 6 Jun 2015 10:18
 Operator : TP/IZ
 Sample : G2499-03 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

Quant Time: Jun 08 04:52:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 04:31:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	54136	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	226134	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	123053	20.00	ng	0.00
63) Phenanthrene-d10	12.08	188	251815	20.00	ng	0.01
75) Chrysene-d12	15.14	240	360028	20.00	ng	0.13
86) Perylene-d12	17.14	264	326002	20.00	ng	0.19

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.10	112	78110	12.09	ng	0.00
7) Phenol-d6	7.08	99	234035	28.05	ng	0.00
23) Nitrobenzene-d5	8.04	82	118967	16.15	ng	0.00
41) 2,4,6-Tribromophenol	11.36	330	802	0.34	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	317330	17.47	ng	0.00
78) Terphenyl-d14	13.81	244	396190	12.60	ng	0.06

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.53	88	242	0.17	ng	# 19
6) Aniline	7.21	93	210	0.03	ng	# 44
9) Benzaldehyde	7.04	77	366	0.14	ng	# 67
10) Phenol	7.10	94	3203	0.71	ng	# 76
11) bis(2-Chloroethyl)ether	7.21	93	210	0.06	ng	# 19
15) Benzyl Alcohol	7.61	79	2393	0.69	ng	# 95
17) 2-Methylphenol	7.61	107	1067	0.33	ng	# 10
20) 3+4-Methylphenols	7.86	107	256	0.06	ng	# 77
22) Acetophenone	7.88	105	1204	0.22	ng	# 66
24) Nitrobenzene	8.04	77	580	0.16	ng	# 47
25) Isophorone	8.31	82	298	0.04	ng	# 1
31) Naphthalene	8.81	128	16353	1.38	ng	# 97
33) 4-Chloroaniline	8.81	127	2231	0.37	ng	# 41
36) 4-Chloro-3-methylphenol	9.44	107	230	0.07	ng	# 13
37) 2-Methylnaphthalene	9.51	142	7163	0.95	ng	# 92
45) 1,1'-Biphenyl	9.96	154	2618	0.24	ng	# 88
48) Acenaphthylene	10.42	152	11435	0.79	ng	# 99
49) Dimethylphthalate	10.24	163	33582	3.54	ng	# 100
50) 2,6-Dinitrotoluene	10.28	165	338	1.29	ng	# 23
51) Acenaphthene	10.59	154	15486	1.89	ng	# 99
54) Dibenzofuran	10.76	168	15809	1.36	ng	# 94
55) 4-Nitrophenol	10.65	139	224	0.15	ng	# 11
56) 2,4-Dinitrotoluene	10.76	165	511	2.01	ng	# 1
57) Fluorene	11.12	166	20978	2.09	ng	# 98
59) Diethylphthalate	10.95	149	709	0.08	ng	# 58
61) 4-Nitroaniline	11.12	138	221	Below Cal		# 17
62) Azobenzene	11.27	77	1129	0.12	ng	# 1
65) n-Nitrosodiphenylamine	11.20	169	3816	0.45	ng	# 58
70) Phenanthrene	12.10	178	243115	16.49	ng	# 98
71) Anthracene	12.16	178	74985	5.16	ng	# 98
72) Carbazole	12.31	167	35439	2.57	ng	# 98
73) Di-n-butylphthalate	12.64	149	5025	0.32	ng	# 83
74) Fluoranthene	13.41	202	383603	23.76	ng	# 94
76) Benzdine	13.60	184	1041	0.09	ng	# 1

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Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

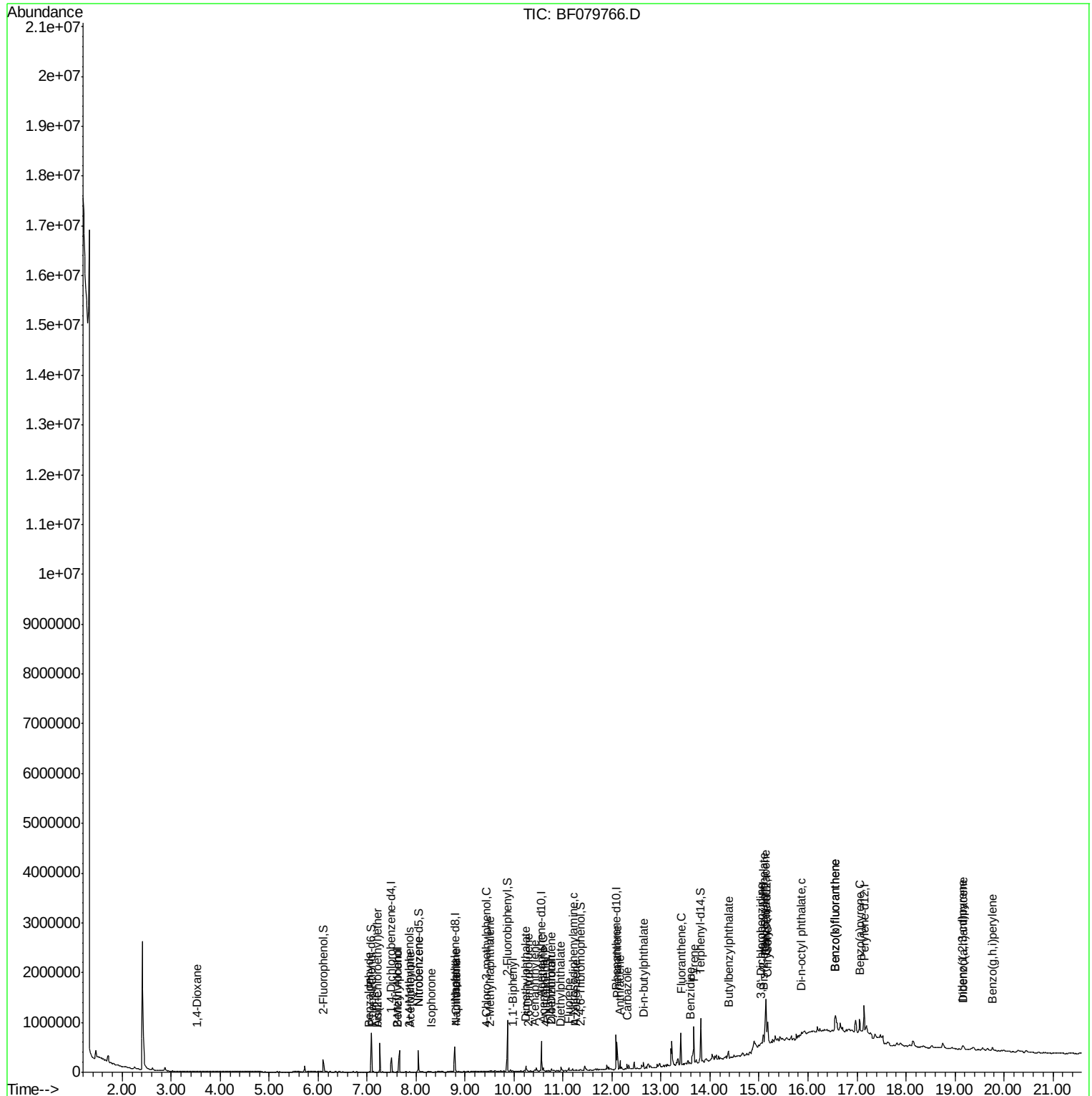
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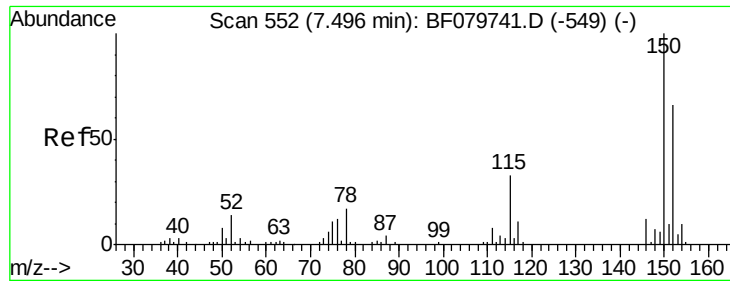
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	13.67	202	341133	15.46	nq	99
79) Butylbenzylphthalate	14.38	149	37467	4.26	nq	# 79
80) Benzo(a)anthracene	15.13	228	277480	12.59	nq	97
81) 3,3'-Dichlorobenzidine	15.04	252	533	0.07	nq	# 49
82) Chrysene	15.18	228	200866	9.86	nq	96
83) Bis(2-ethylhexyl)phthalate	15.09	149	73270	5.27	nq	100
84) Di-n-octyl phthalate	15.85	149	5563	0.23	nq	# 65
85) Indeno(1,2,3-cd)pyrene	19.15	276	71116	3.02	nq	97
87) Benzo(b)fluoranthene	16.56	252	332411	16.41	nq	# 90
88) Benzo(k)fluoranthene	16.56	252	332411	17.11	nq	# 93
89) Benzo(a)pyrene	17.05	252	174078	9.31	nq	# 90
90) Dibenzo(a,h)anthracene	19.18	278	20022	1.11	nq	# 61
91) Benzo(a,h,i)perylene	19.77	276	72286	3.88	nq	97

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

```
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.50 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

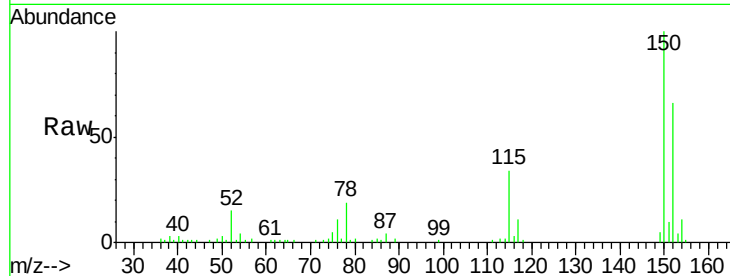
Tot Ion:152 Resp: 54136

Ion Ratio Lower Upper

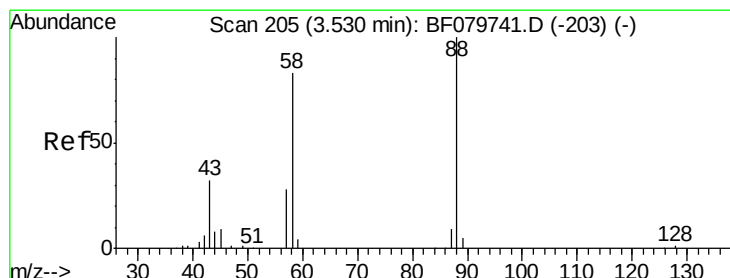
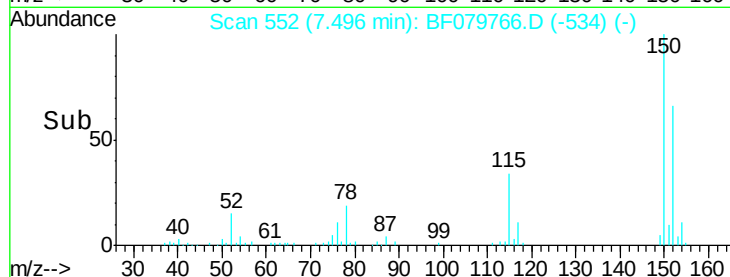
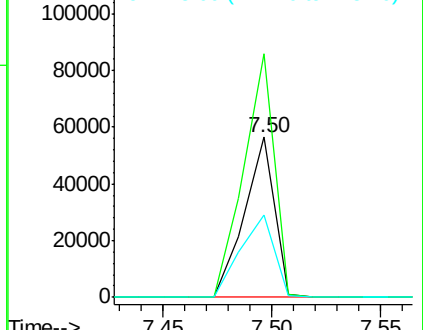
152 100

150 151.9 128.1 192.1

115 51.7 49.7 74.5



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: 0.17 ng

RT: 3.53 min Scan# 205

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

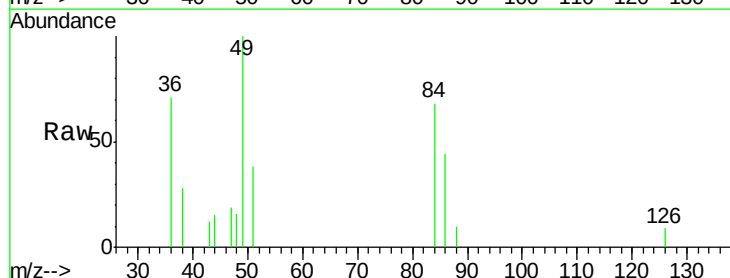
Tgt Ion: 88 Resp: 242

Ion Ratio Lower Upper

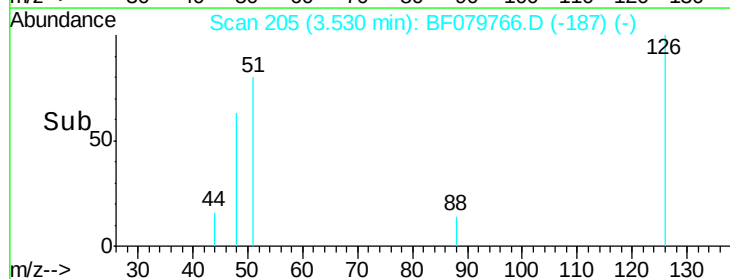
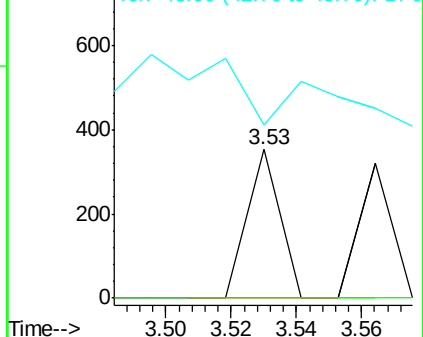
88 100

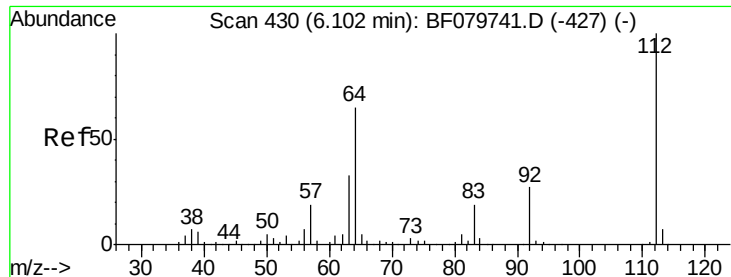
58 0.0 64.2 96.4#

43 0.0 25.1 37.7#



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





#5

2-Fluorophenol

Concen: 12.09 ng

RT: 6.10 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

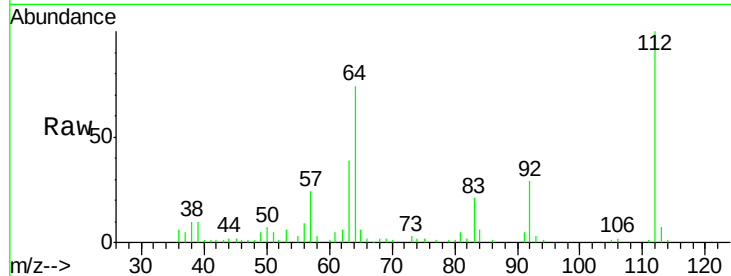
Tot Ion:112 Resp: 78110

Ion Ratio Lower Upper

112 100

64 73.6 49.6 74.4

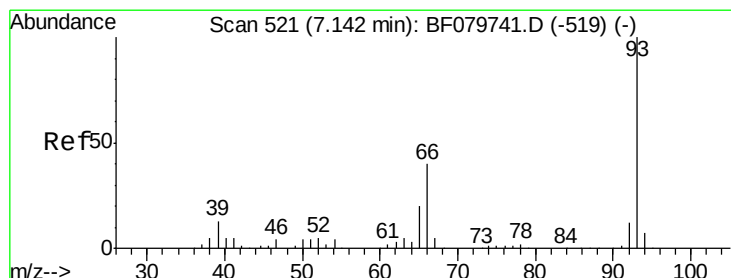
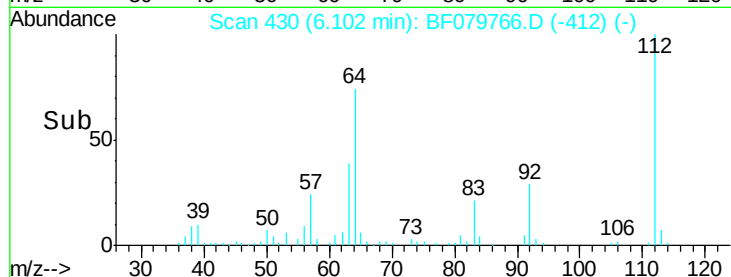
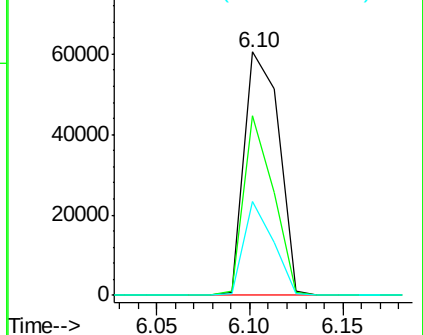
63 38.6 24.9 37.3#



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: 0.03 ng

RT: 7.21 min Scan# 527

Delta R.T. 0.07 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

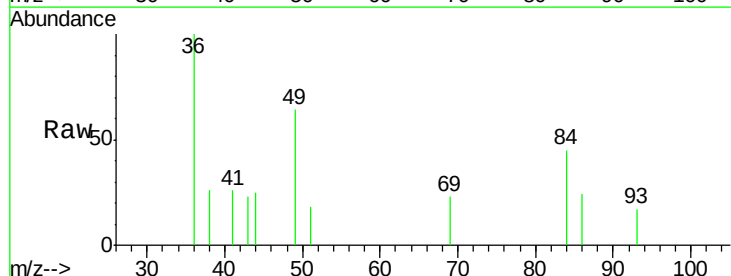
Tgt Ion: 93 Resp: 210

Ion Ratio Lower Upper

93 100

66 0.0 30.3 45.5#

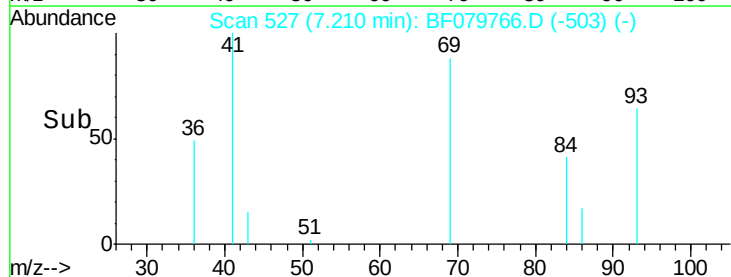
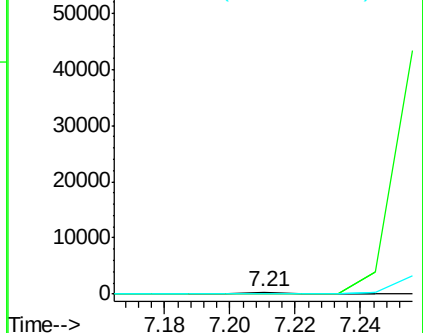
65 0.0 15.8 23.6#

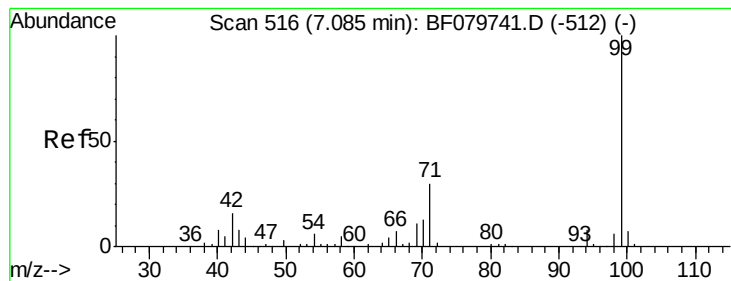


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 28.05 ng

RT: 7.08 min Scan# 516

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

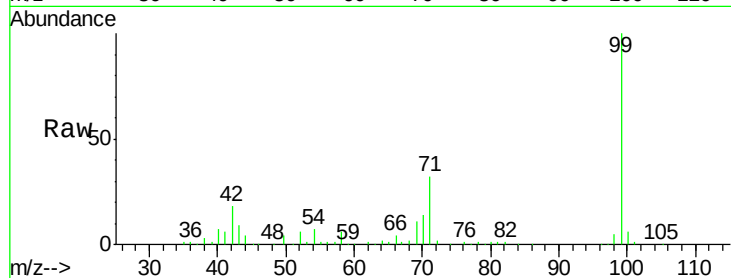
Tot Ion: 99 Resp: 234035

Ion Ratio Lower Upper

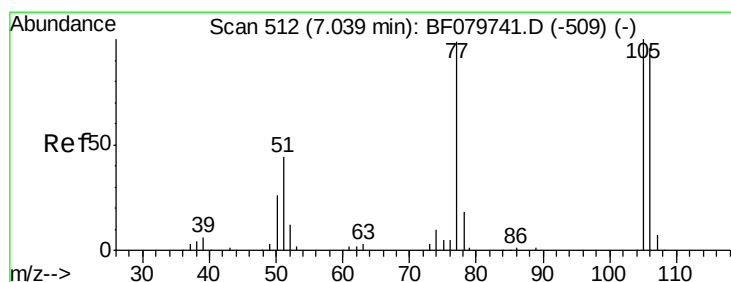
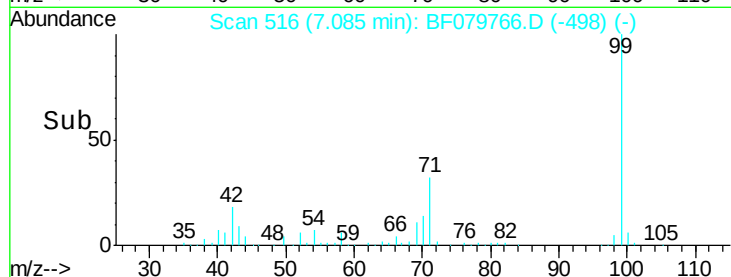
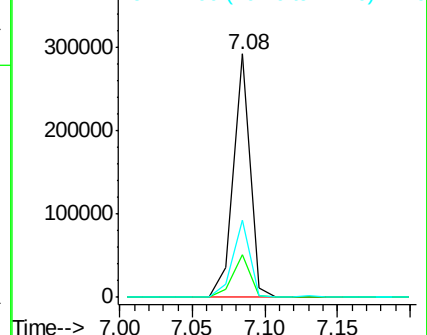
99 100

42 17.6 18.0 27.0#

71 31.8 28.4 42.6



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



#9

Benzaldehyde

Concen: 0.14 ng

RT: 7.04 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

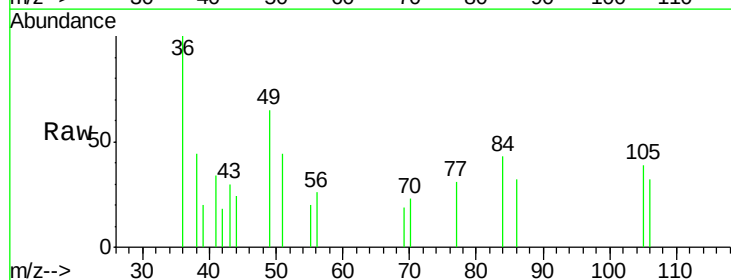
Tgt Ion: 77 Resp: 366

Ion Ratio Lower Upper

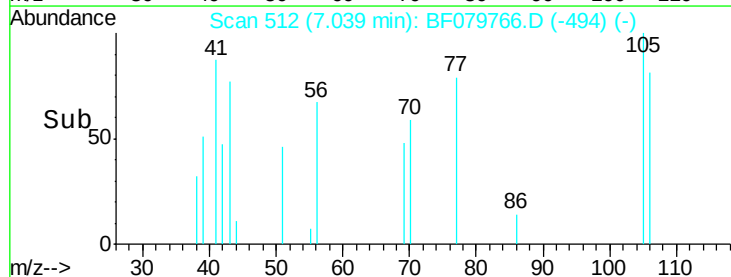
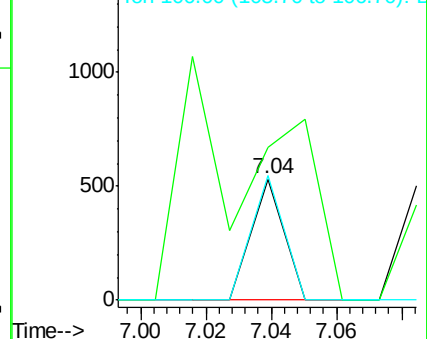
77 100

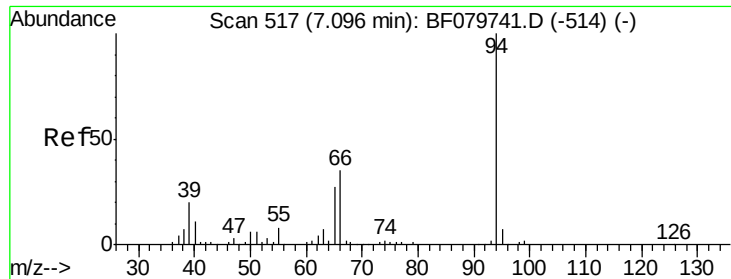
105 126.3 66.1 106.1#

106 102.3 61.9 101.9#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

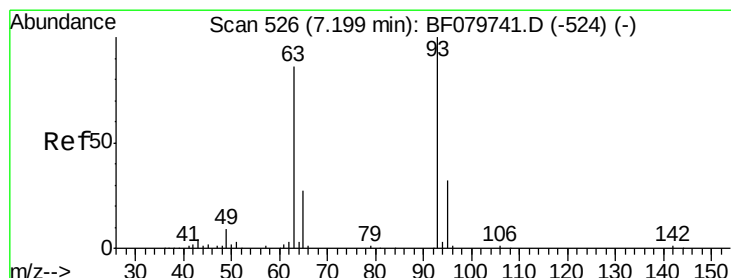
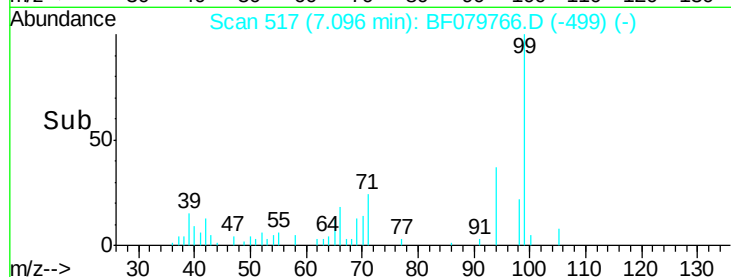
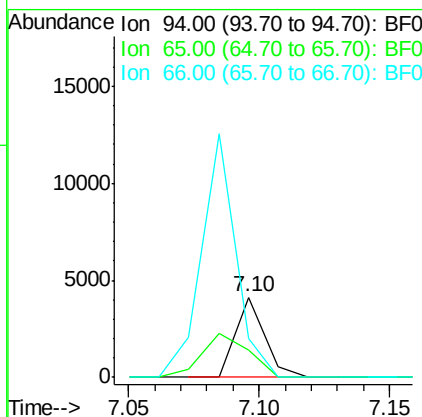
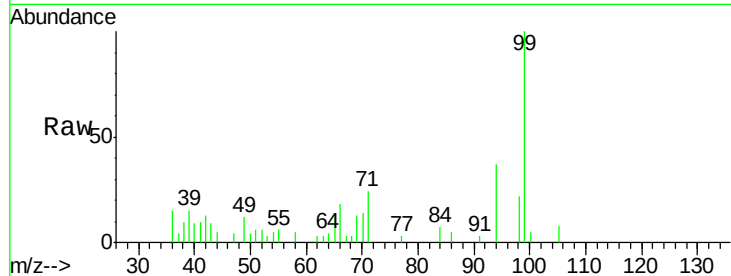




#10
Phenol
Concen: 0.71 ng
RT: 7.10 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

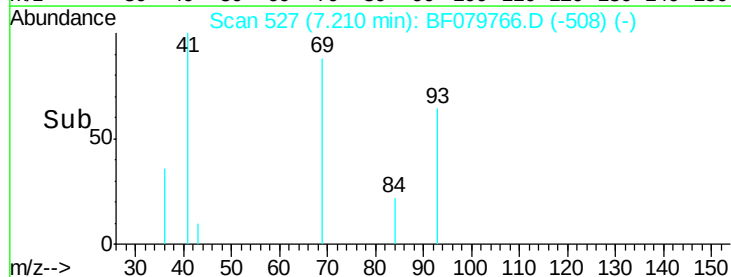
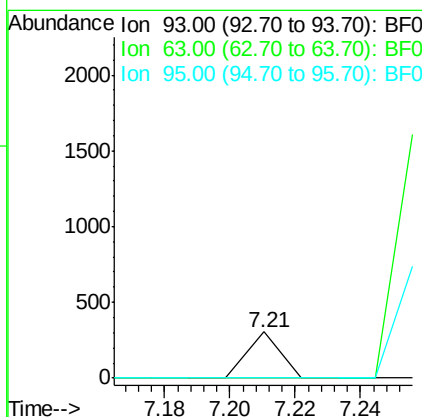
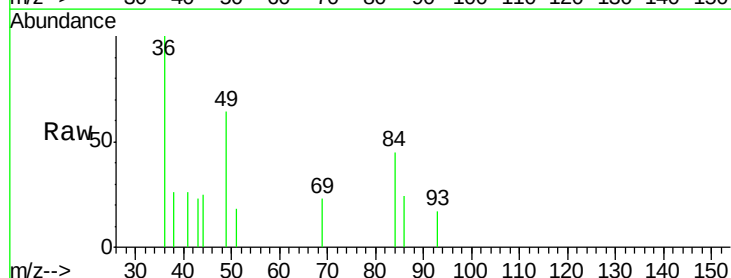
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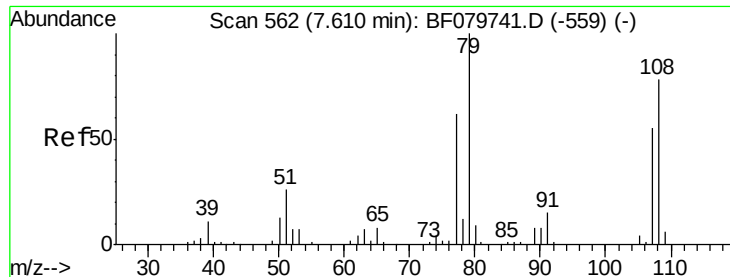
Tot Ion: 94 Resp: 3203
Ion Ratio Lower Upper
94 100
65 33.5 5.3 45.3
66 48.2 11.3 51.3



#11
bis(2-Chloroethyl)ether
Concen: 0.06 ng
RT: 7.21 min Scan# 527
Delta R.T. 0.01 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion: 93 Resp: 210
Ion Ratio Lower Upper
93 100
63 0.0 58.7 98.7#
95 0.0 12.9 52.9#





#15

Benzyl Alcohol

Concen: 0.69 ng

RT: 7.61 min Scan# 562

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

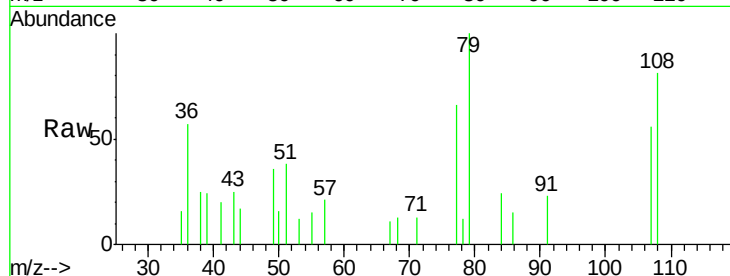
Tot Ion: 79 Resp: 2393

Ion Ratio Lower Upper

79 100

108 80.7 68.4 102.6

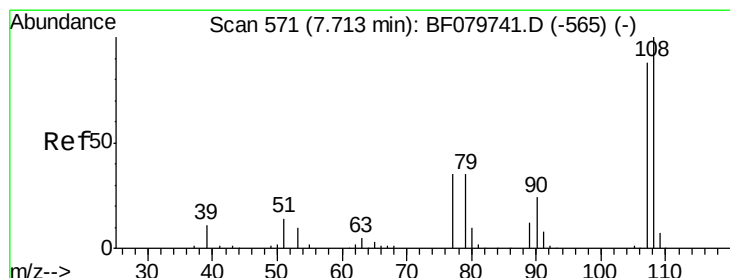
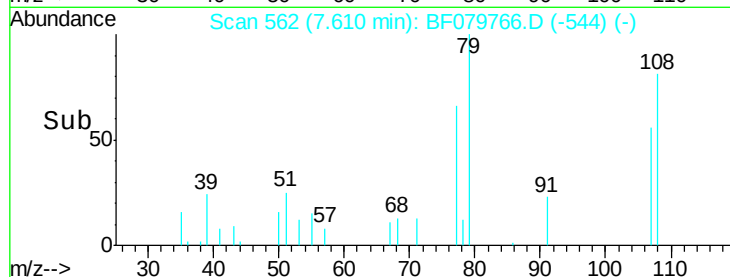
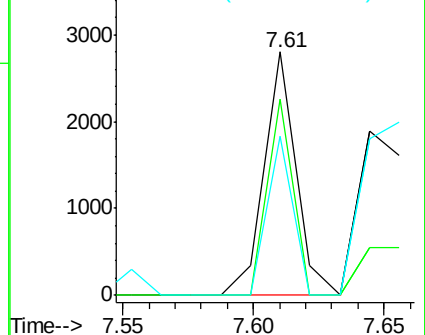
77 65.5 50.0 75.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#17

2-Methylphenol

Concen: 0.33 ng

RT: 7.61 min Scan# 562

Delta R.T. -0.10 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Tgt Ion: 107 Resp: 1067

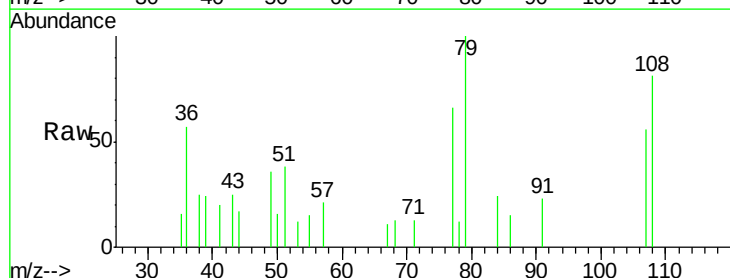
Ion Ratio Lower Upper

107 100

108 145.4 91.8 137.8#

77 118.0 31.4 47.2#

79 180.1 31.3 46.9#

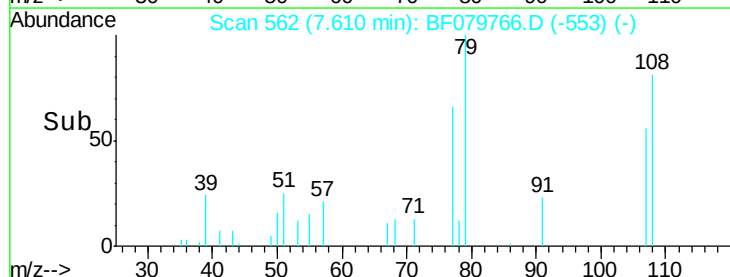
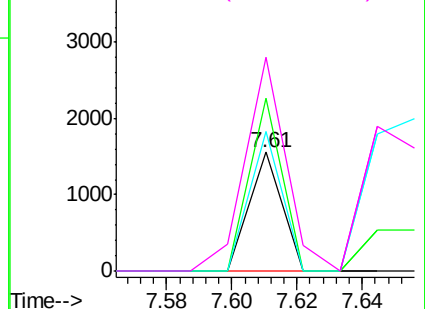


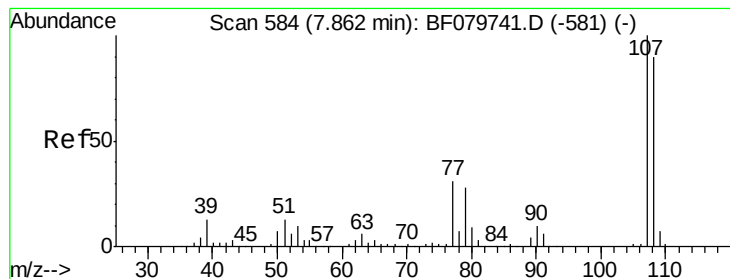
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#20

3+4-Methylphenols

Concen: 0.06 ng

RT: 7.86 min Scan# 584

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

FK-SF-02-002-B

Tot Ion:107 Resp: 256

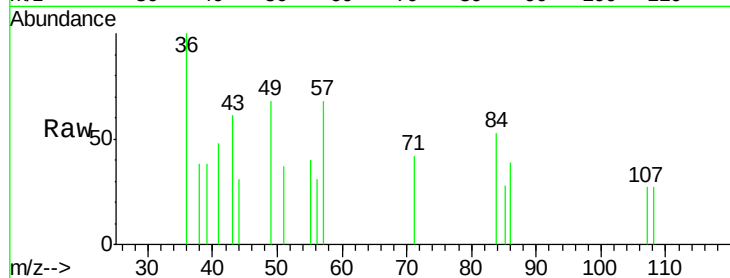
Ion Ratio Lower Upper

107 100

108 97.6 75.2 115.2

77 0.0 10.3 50.3#

79 0.0 9.3 49.3#

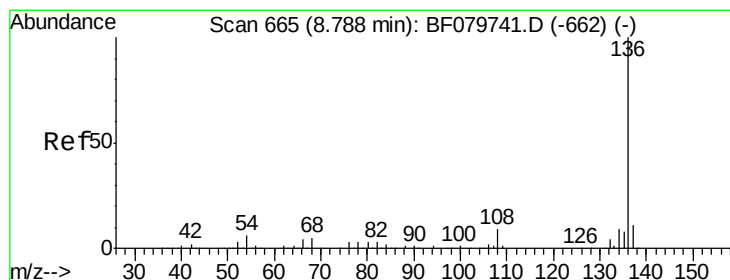
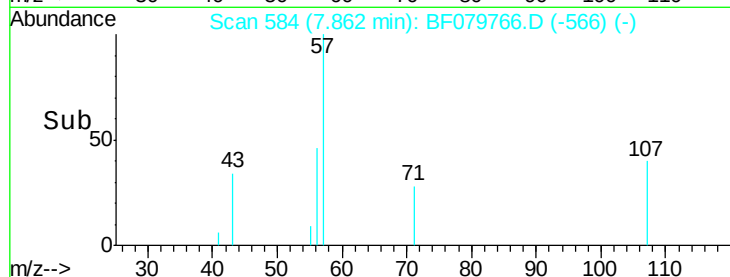
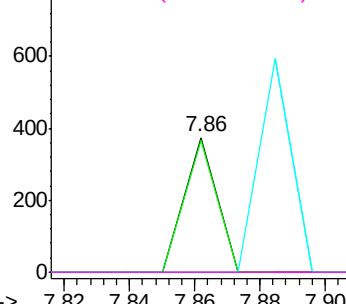


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.79 min Scan# 665

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Tgt Ion:136 Resp: 226134

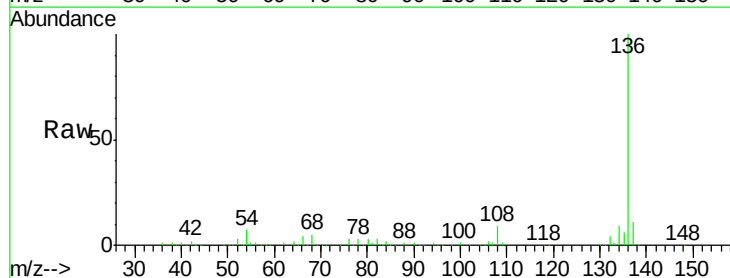
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.7 8.7 13.1#

68 5.3 5.8 8.8#

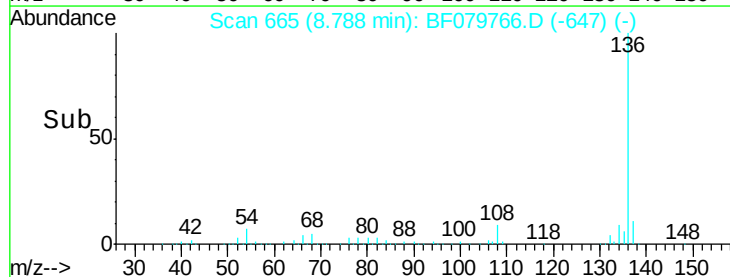
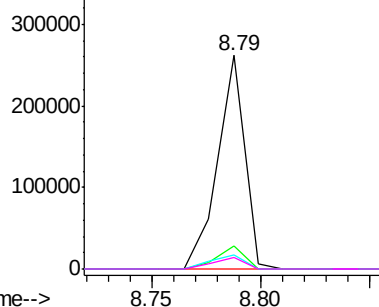


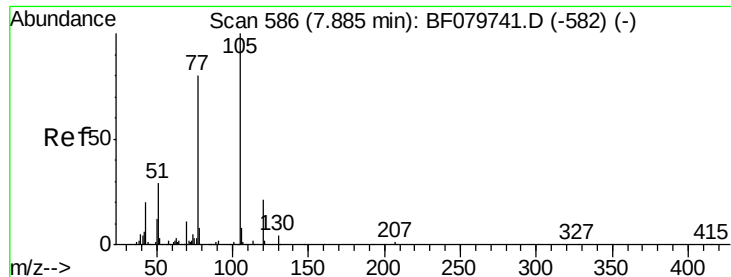
Abundance Ion 136.00 (135.70 to 136.70): E

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

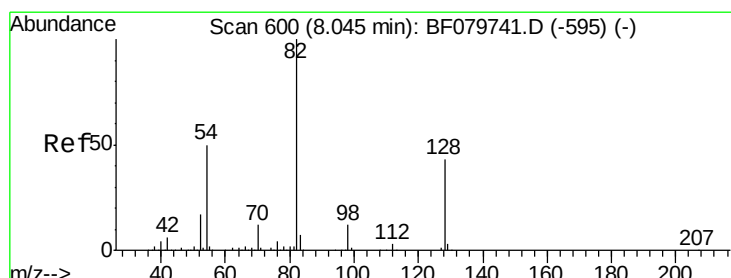
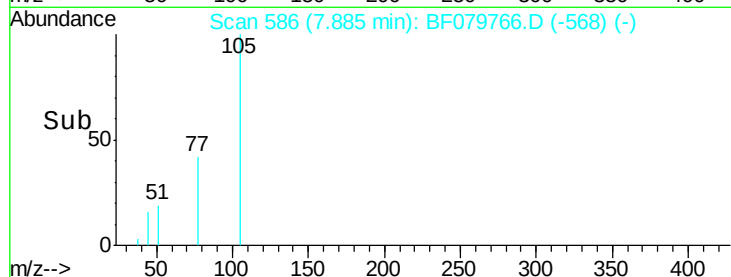
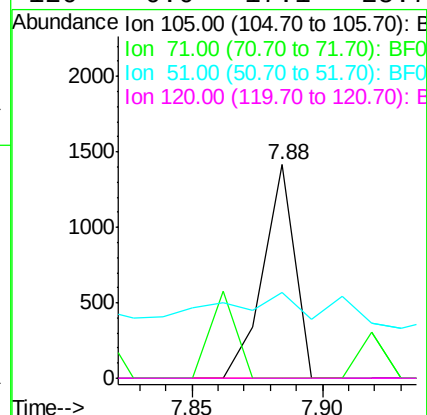
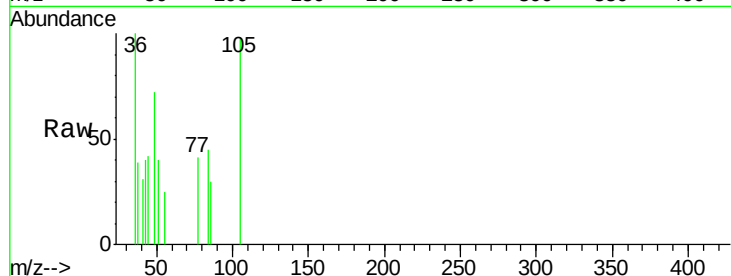




#22
Acetophenone
Concen: 0.22 ng
RT: 7.88 min Scan# 586
Delta R.T. 0.00 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

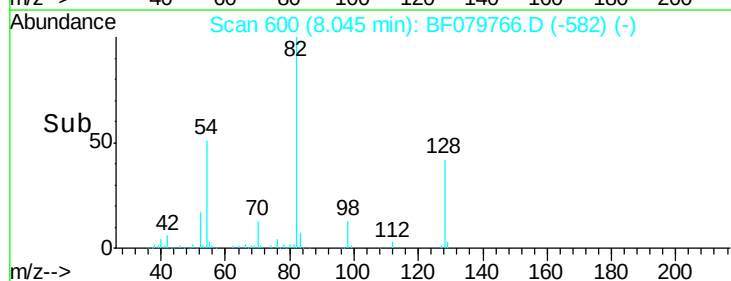
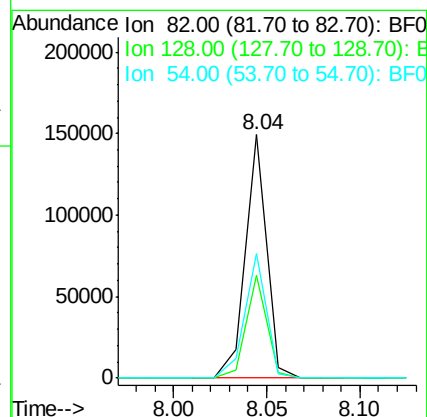
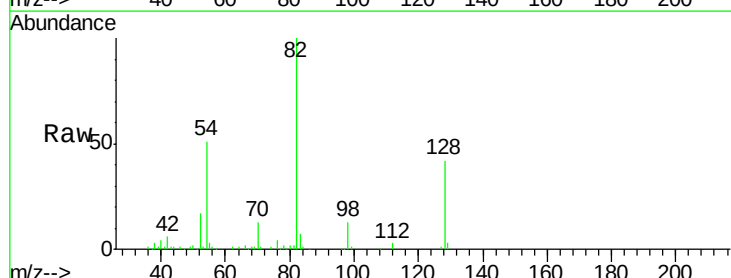
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

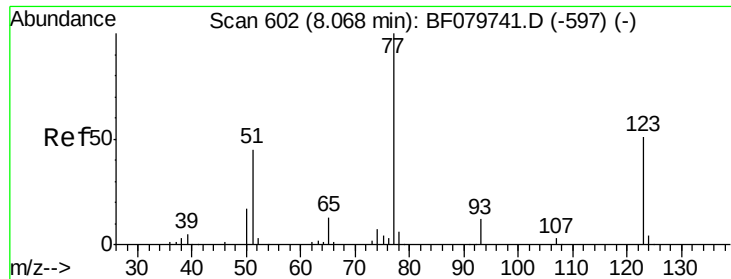
Tot Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.9	1.3#
51	40.4	21.3	31.9#
120	0.0	17.1	25.7#



#23
Nitrobenzene-d5
Concen: 16.15 ng
RT: 8.04 min Scan# 600
Delta R.T. 0.00 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.1	37.6	56.4
54	51.3	39.4	59.2





#24

Nitrobenzene

Concen: 0.16 ng

RT: 8.04 min Scan# 600

Delta R.T. -0.02 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

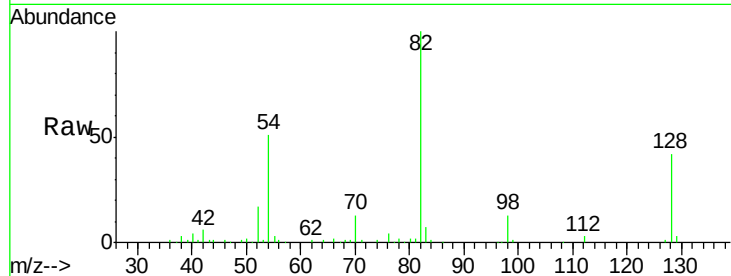
Tot Ion: 77 Resp: 580

Ion Ratio Lower Upper

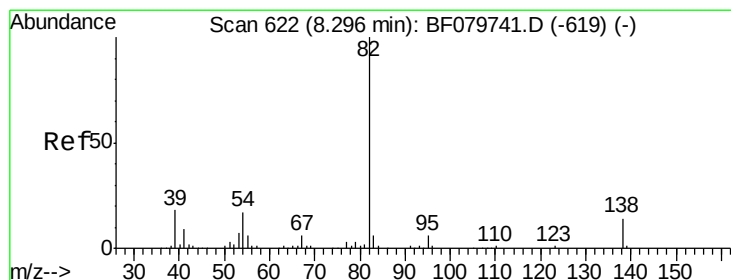
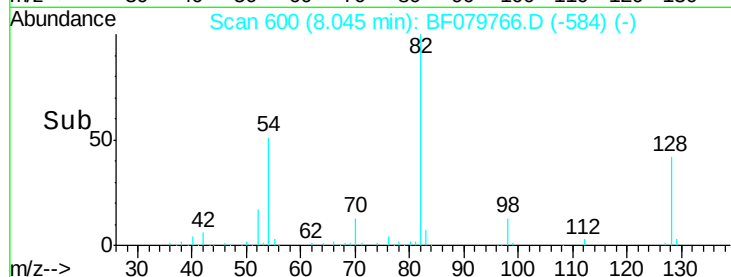
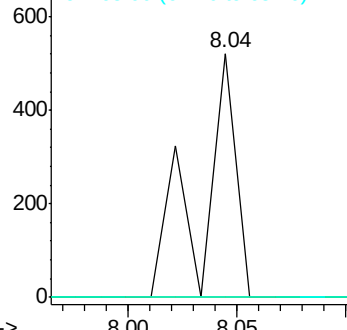
77 100

123 0.0 28.1 42.1#

65 0.0 10.9 16.3#



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



#25

Isophorone

Concen: 0.04 ng

RT: 8.31 min Scan# 623

Delta R.T. 0.01 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

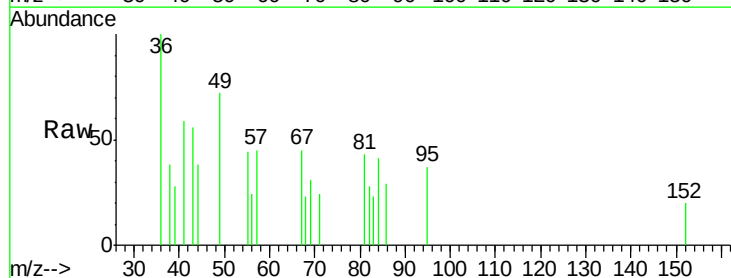
Tgt Ion: 82 Resp: 298

Ion Ratio Lower Upper

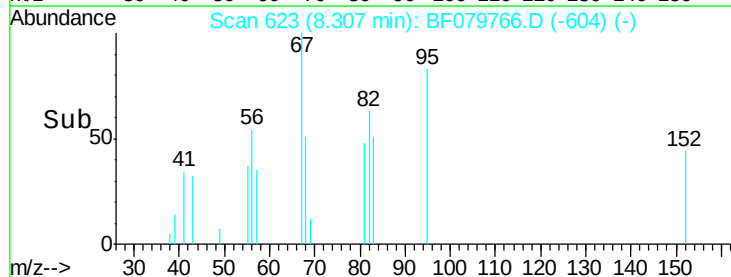
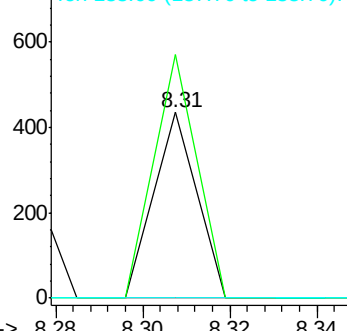
82 100

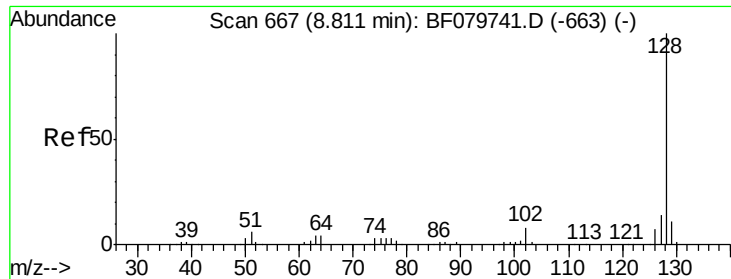
95 131.3 5.3 7.9#

138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

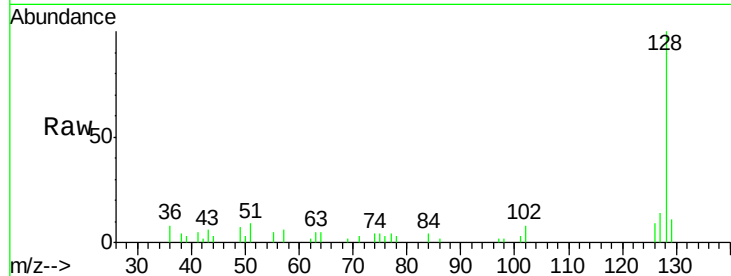




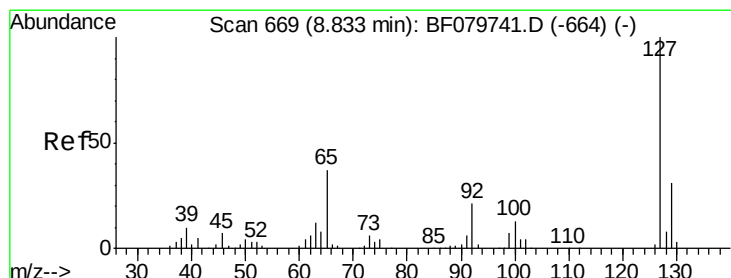
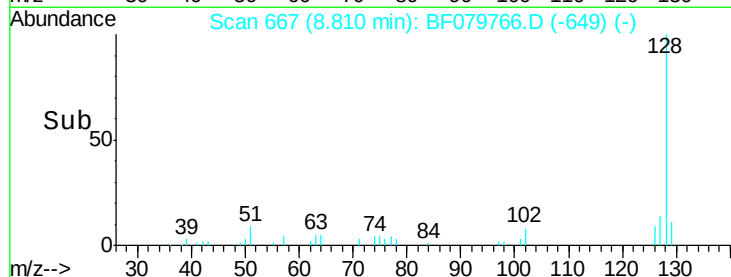
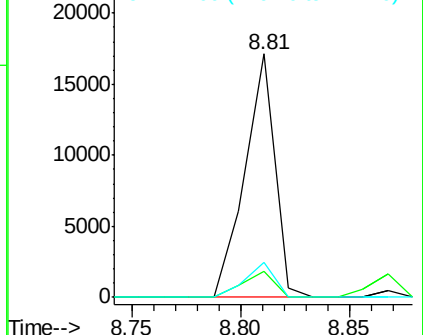
#31
Naphthalene
Concen: 1.38 ng
RT: 8.81 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

Tot Ion:128 Resp: 16353
Ion Ratio Lower Upper
128 100
129 10.6 9.4 14.2
127 14.2 10.7 16.1

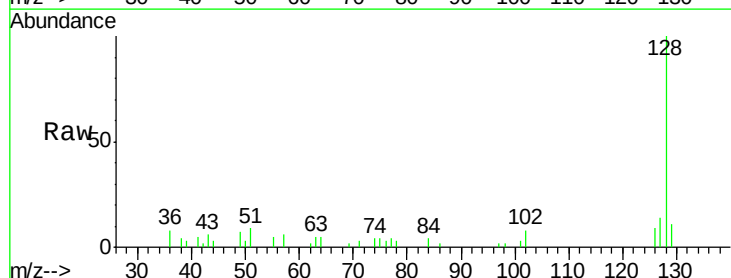


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

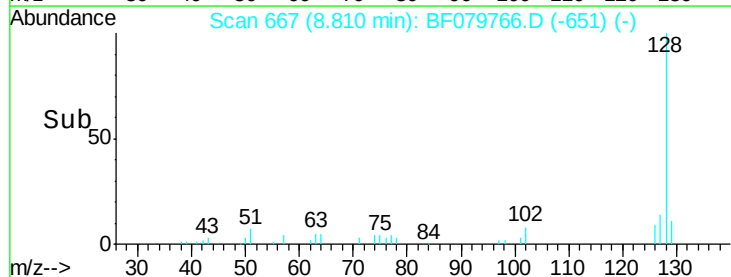
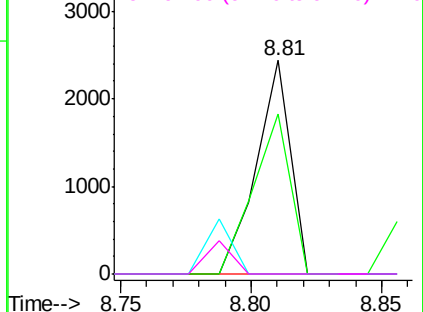


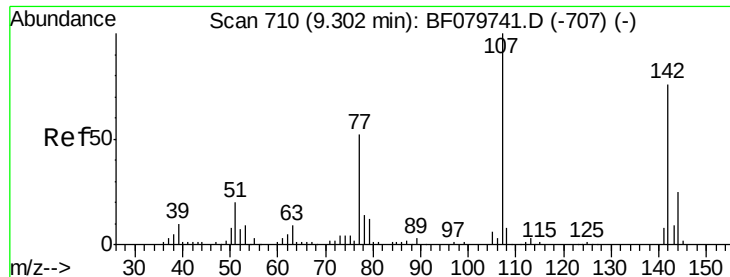
#33
4-Chloroaniline
Concen: 0.37 ng
RT: 8.81 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion:127 Resp: 2231
Ion Ratio Lower Upper
127 100
129 74.8 26.8 40.2#
65 0.0 22.9 34.3#
92 0.0 15.2 22.8#



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

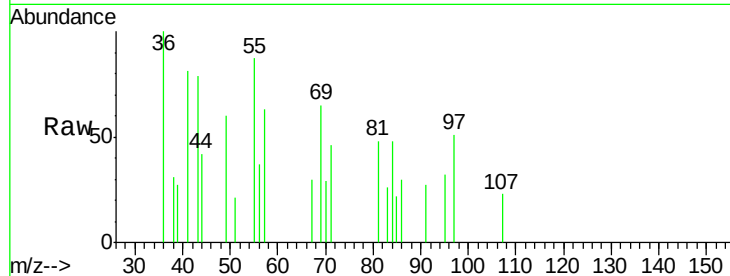




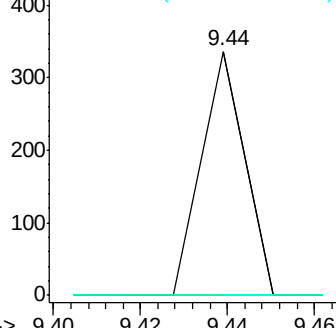
#36
4-Chloro-3-methylphenol
Concen: 0.07 ng
RT: 9.44 min Scan# 722
Delta R.T. 0.14 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

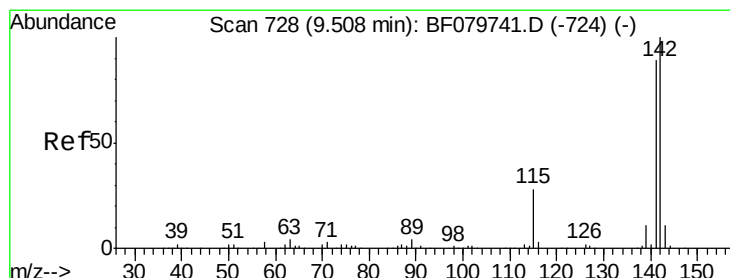
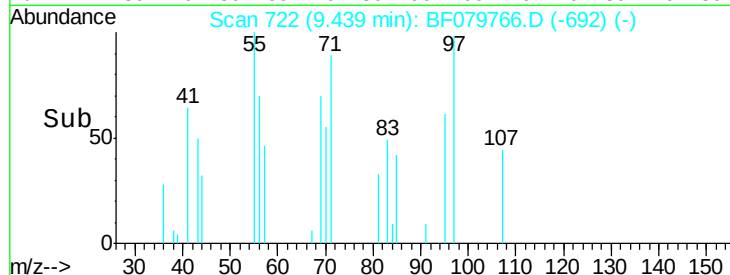
Tot Ion:107 Resp: 230
Ion Ratio Lower Upper
107 100
144 0.0 24.5 36.7#
142 0.0 74.6 112.0#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

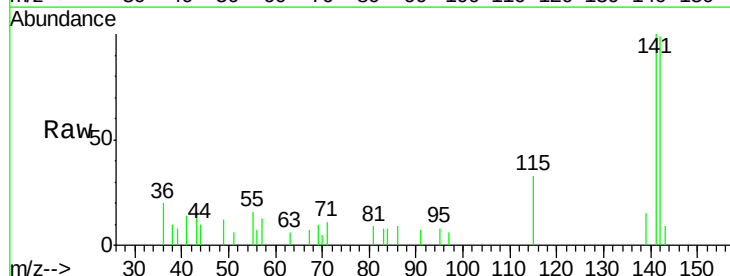


Time-->

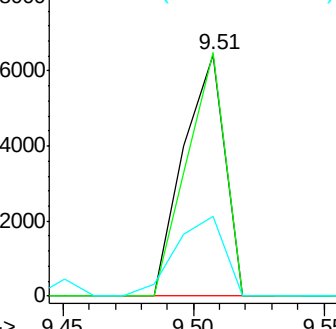


#37
2-Methylnaphthalene
Concen: 0.95 ng
RT: 9.51 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

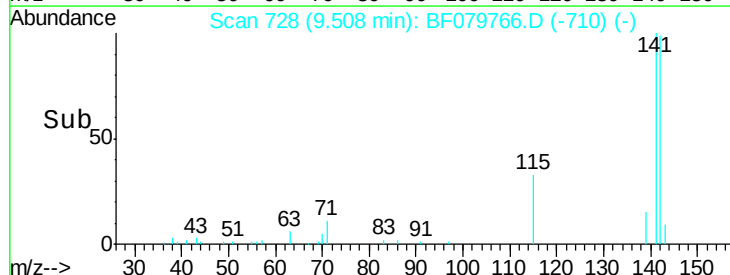
Tgt Ion:142 Resp: 7163
Ion Ratio Lower Upper
142 100
141 100.9 72.8 109.2
115 33.0 26.9 40.3

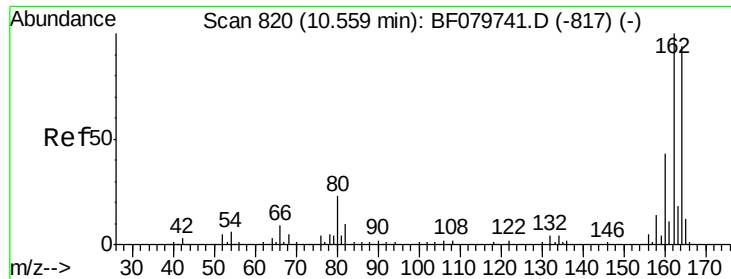


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.56 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

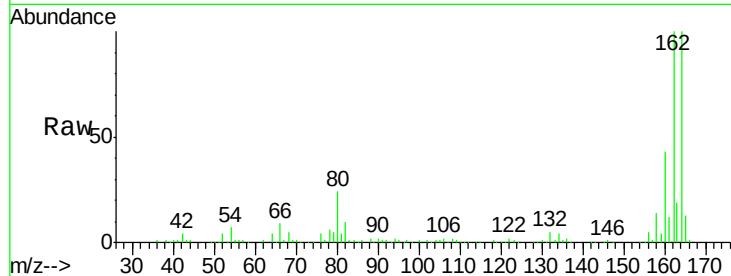
Tot Ion:164 Resp: 123053

Ion Ratio Lower Upper

164 100

162 99.7 82.6 123.8

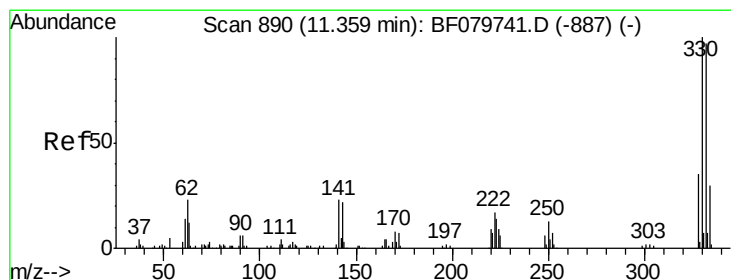
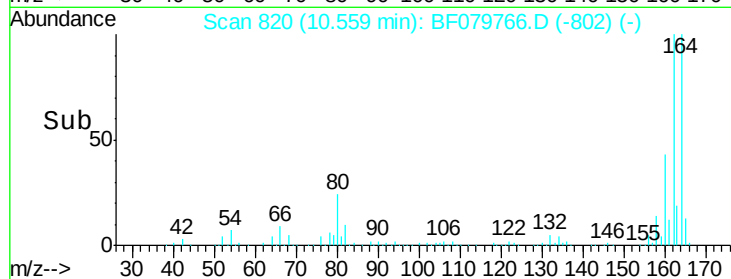
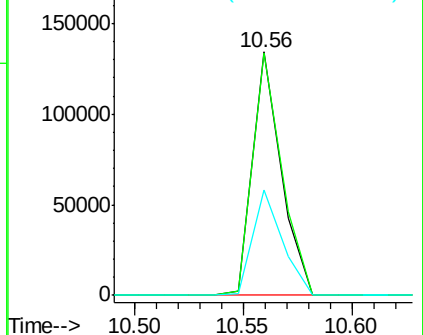
160 43.2 36.8 55.2



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: 0.34 ng

RT: 11.36 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

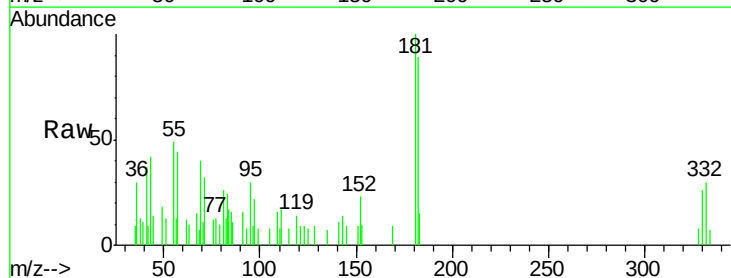
Tgt Ion:330 Resp: 802

Ion Ratio Lower Upper

330 100

332 114.2 77.4 116.0

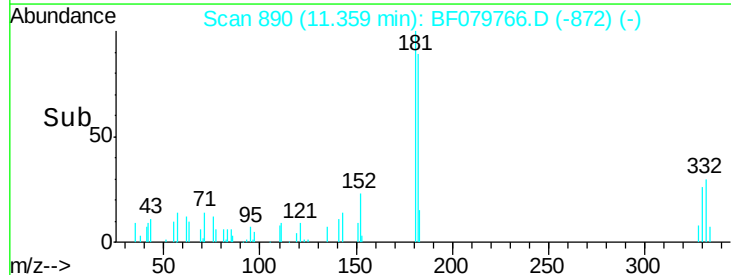
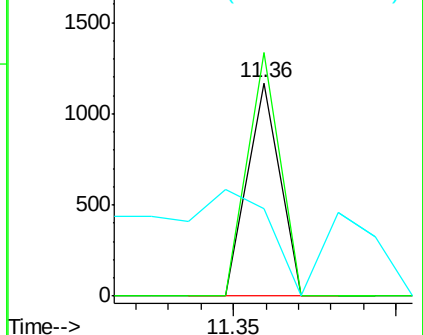
141 230.4 30.2 45.2#

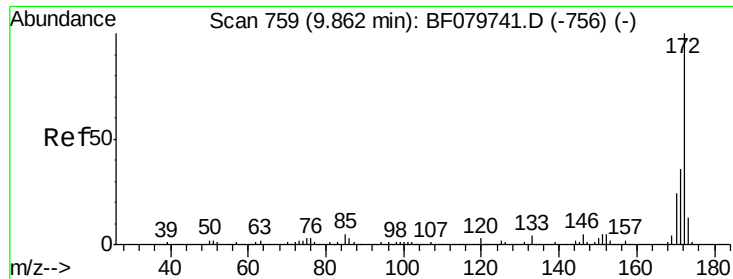


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

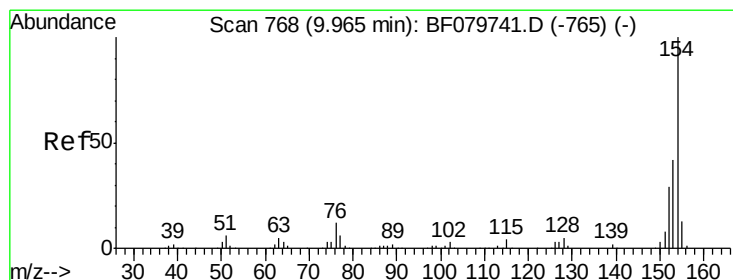
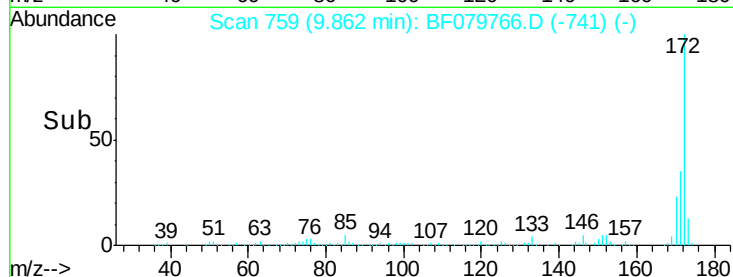
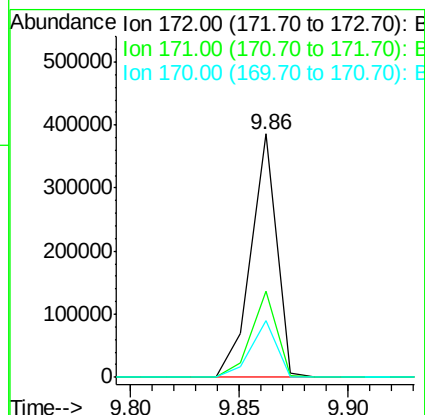
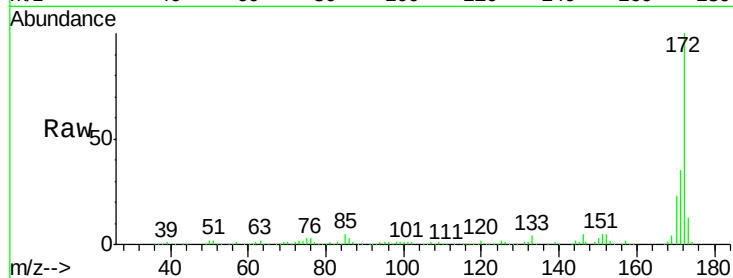




#44
2-Fluorobiphenyl
Concen: 17.47 ng
RT: 9.86 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

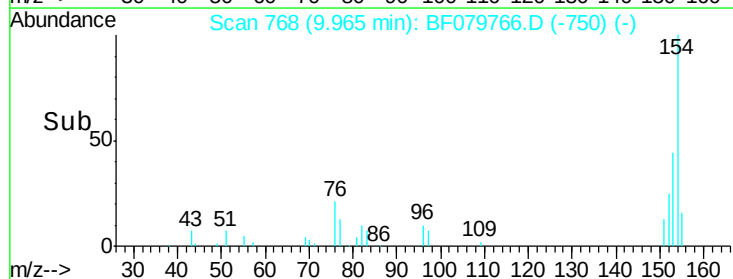
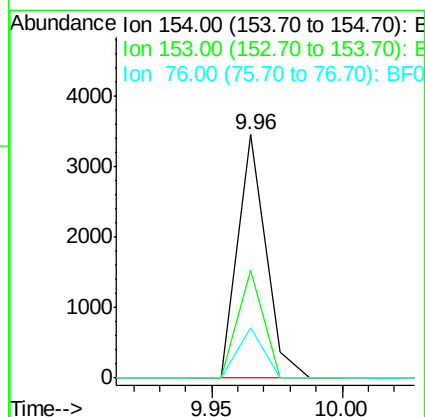
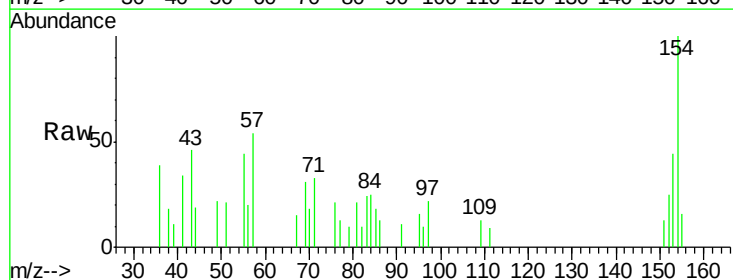
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

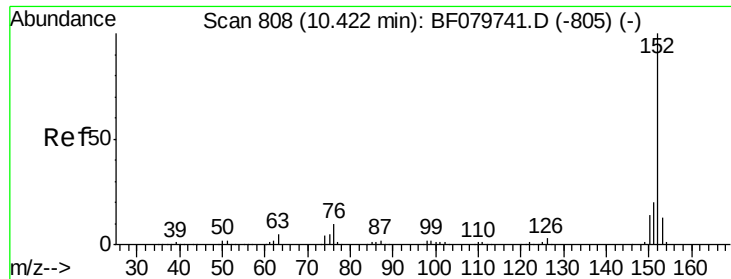
Tot Ion:172 Resp: 317330
Ion Ratio Lower Upper
172 100
171 35.2 29.4 44.0
170 23.4 19.7 29.5



#45
1,1'-Biphenyl
Concen: 0.24 ng
RT: 9.96 min Scan# 768
Delta R.T. 0.00 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion:154 Resp: 2618
Ion Ratio Lower Upper
154 100
153 44.3 19.9 59.9
76 20.5 0.0 28.2





#48

Acenaphthylene

Concen: 0.79 ng

RT: 10.42 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

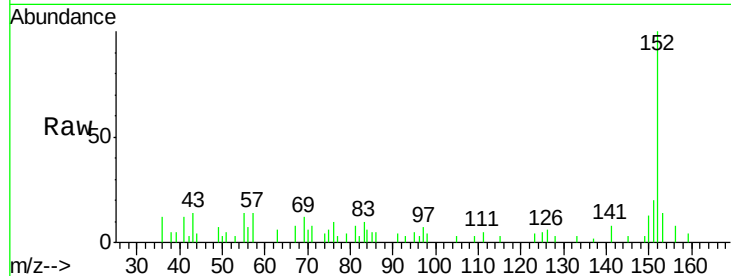
Tot Ion:152 Resp: 11435

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

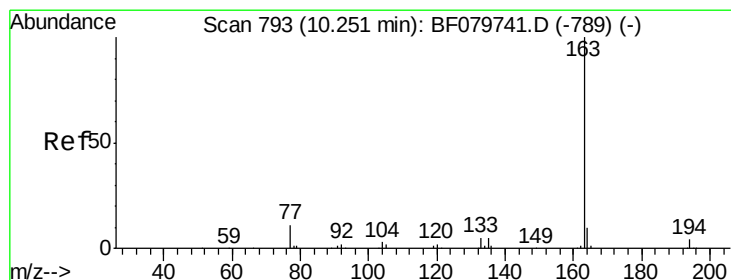
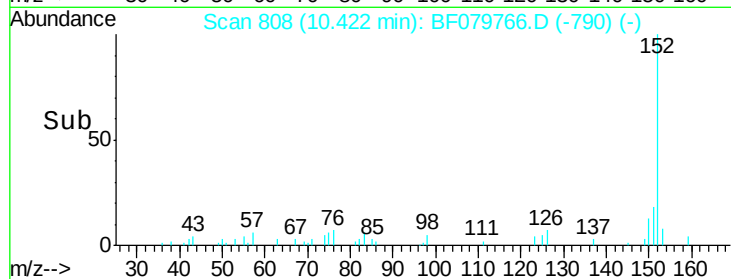
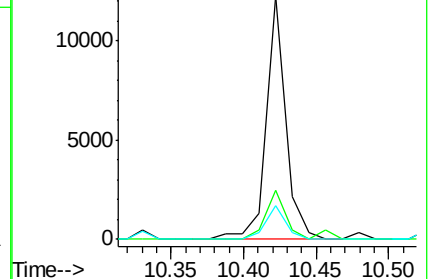
153 13.8 10.4 15.6



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: 3.54 ng

RT: 10.24 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

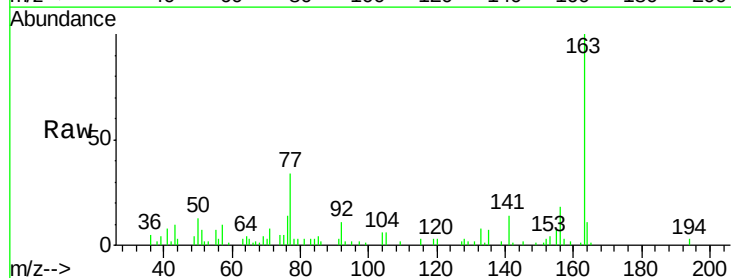
Tgt Ion:163 Resp: 33582

Ion Ratio Lower Upper

163 100

194 3.0 2.6 3.8

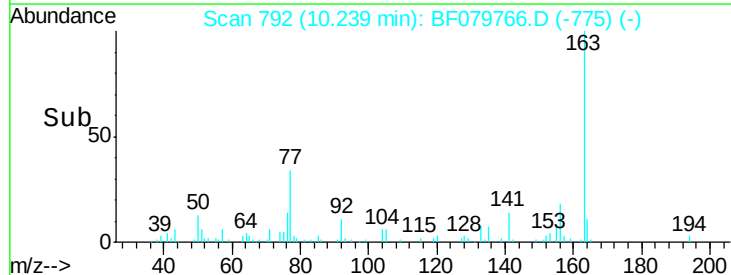
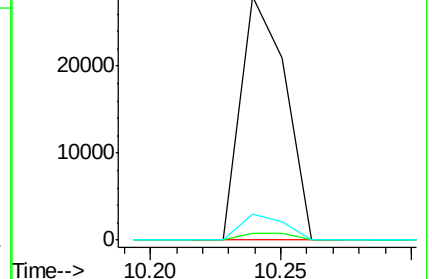
164 10.6 8.5 12.7

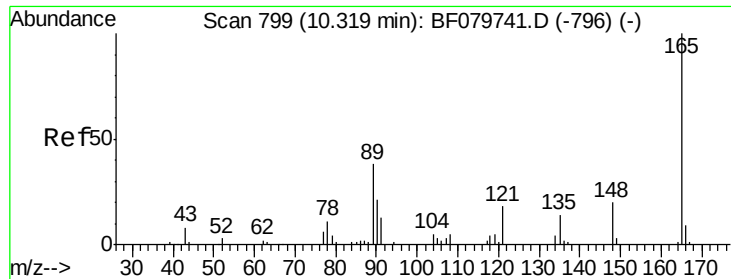


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

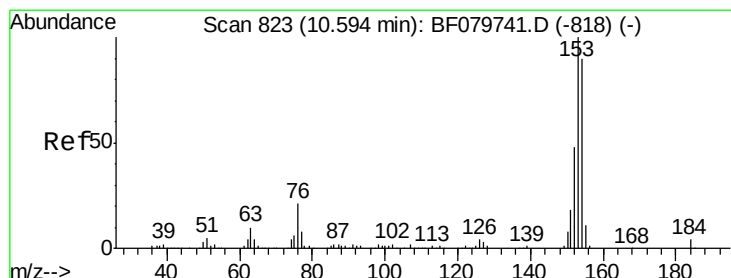
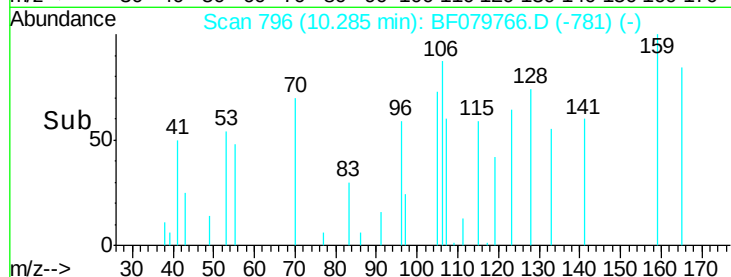
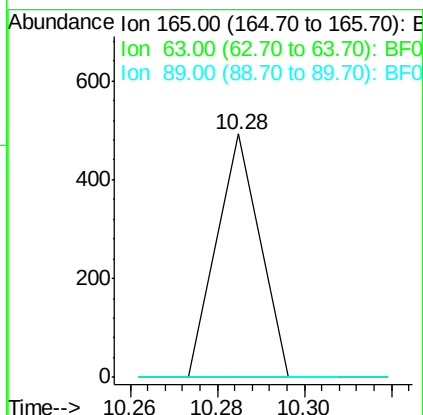
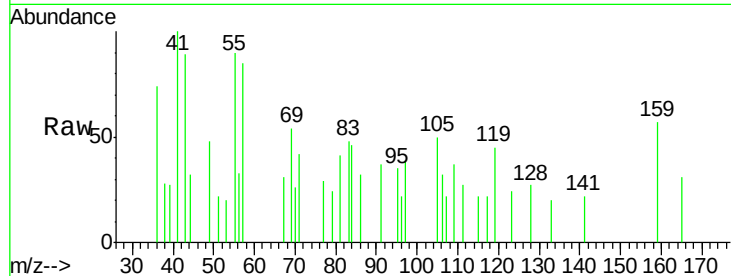




#50
2,6-Dinitrotoluene
Concen: 1.29 ng
RT: 10.28 min Scan# 796
Delta R.T. -0.03 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

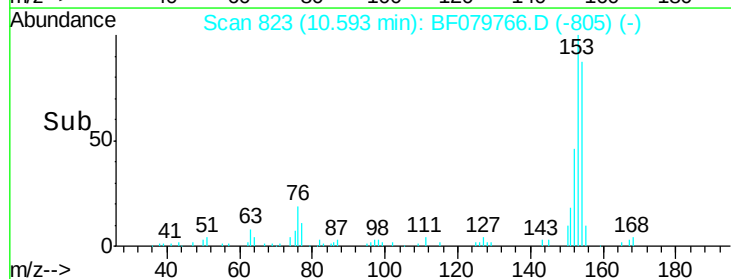
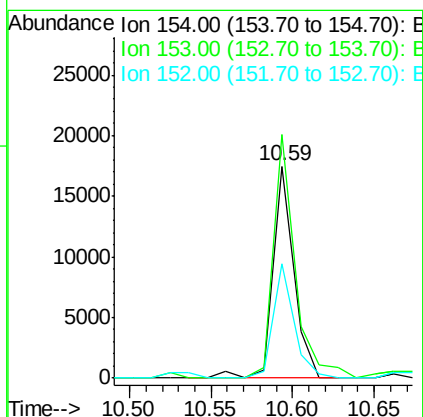
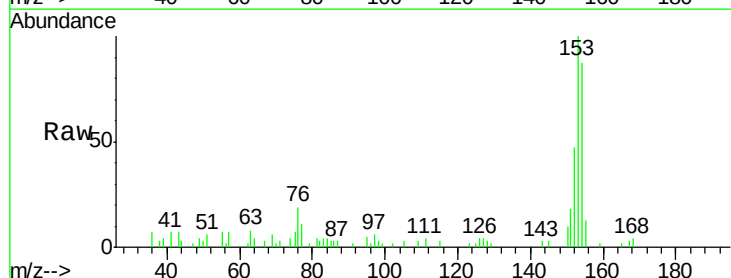
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

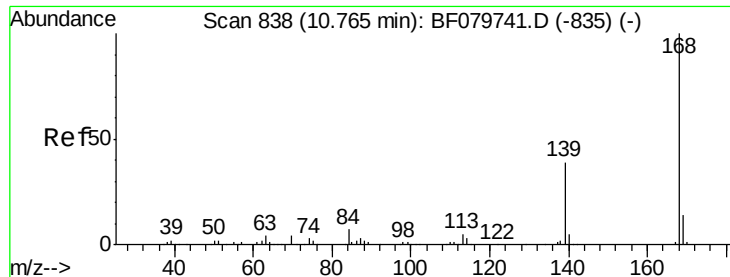
Tot Ion:165 Resp: 338
Ion Ratio Lower Upper
165 100
63 0.0 45.2 67.8#
89 0.0 45.9 68.9#



#51
Acenaphthene
Concen: 1.89 ng
RT: 10.59 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion:154 Resp: 15486
Ion Ratio Lower Upper
154 100
153 114.7 90.1 135.1
152 54.0 43.4 65.0

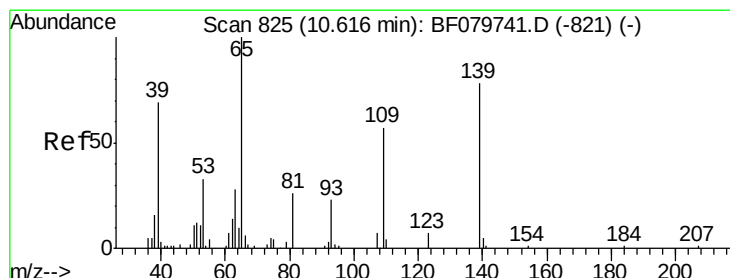
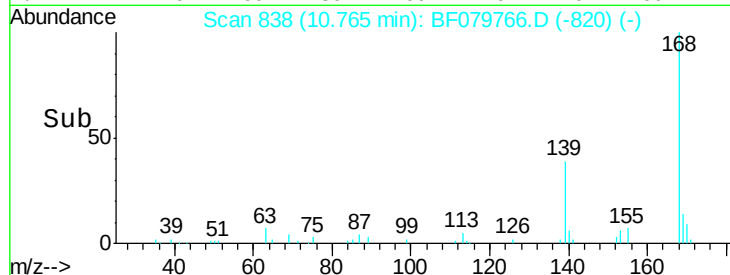
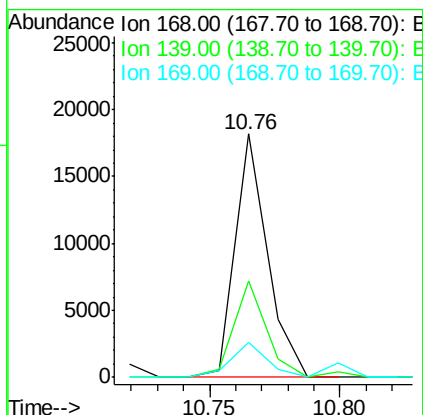
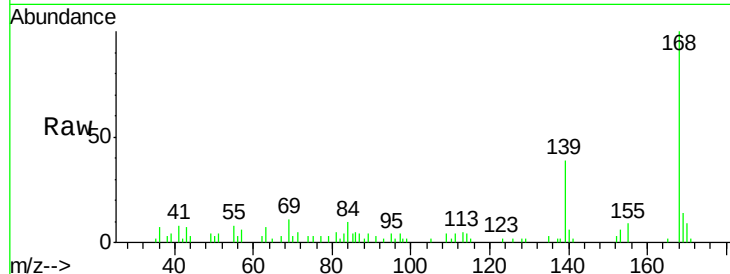




#54
Dibenzo(furan)
Concen: 1.36 ng
RT: 10.76 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

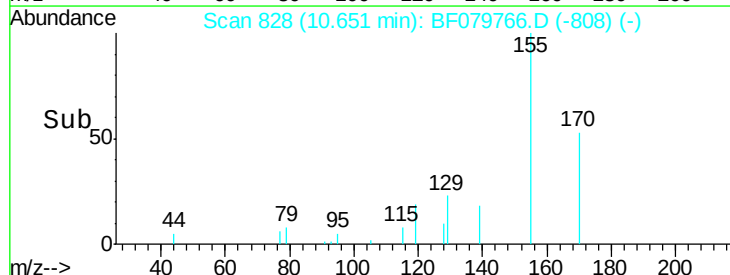
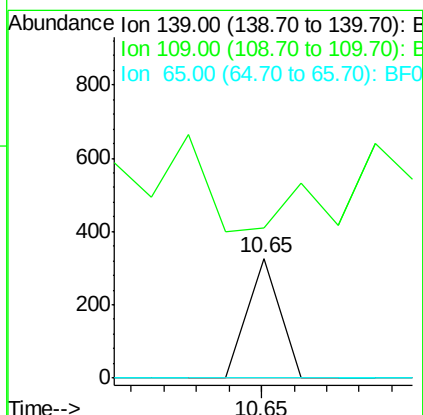
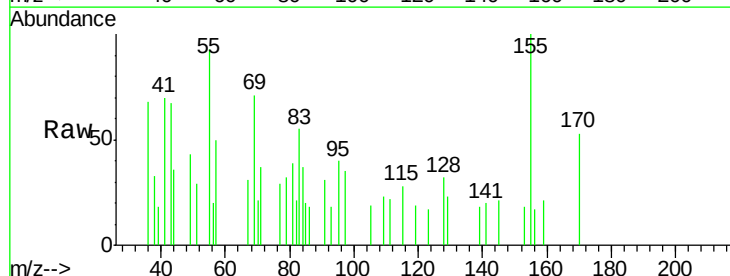
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

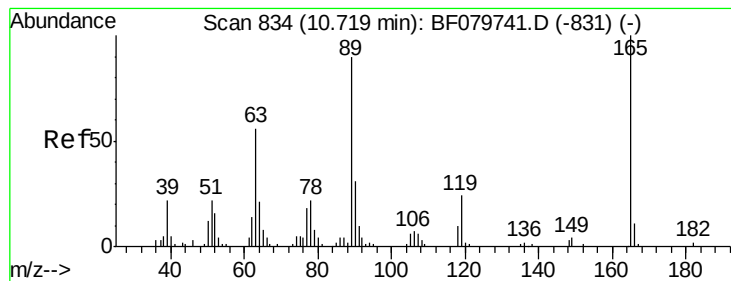
Tot Ion:168 Resp: 15809
Ion Ratio Lower Upper
168 100
139 39.4 27.7 41.5
169 14.4 11.0 16.4



#55
4-Nitrophenol
Concen: 0.15 ng
RT: 10.65 min Scan# 828
Delta R.T. 0.02 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion:139 Resp: 224
Ion Ratio Lower Upper
139 100
109 125.2 44.2 84.2#
65 0.0 72.3 112.3#

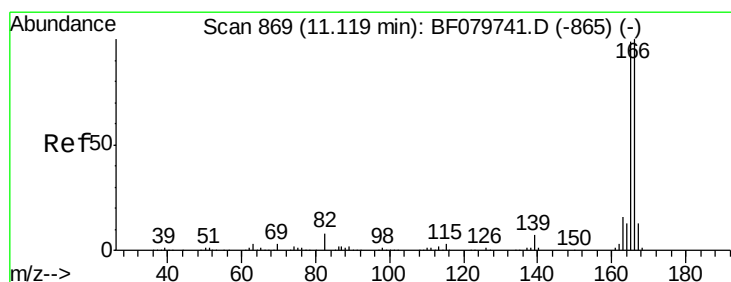
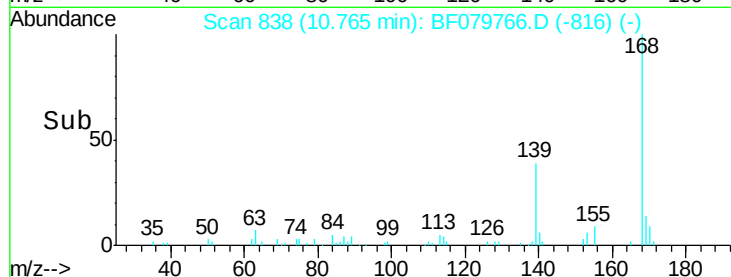
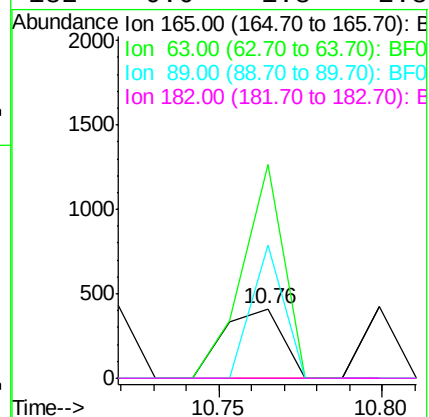
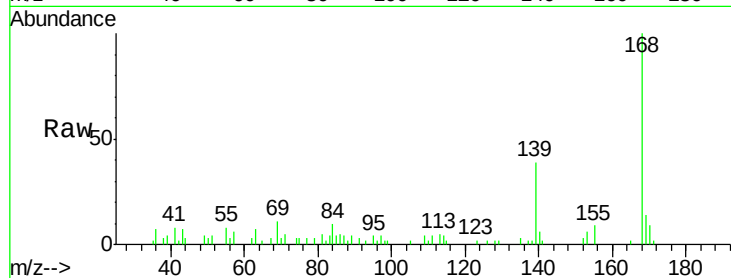




#56
2,4-Dinitrotoluene
Concen: 2.01 ng
RT: 10.76 min Scan# 838
Delta R.T. 0.05 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

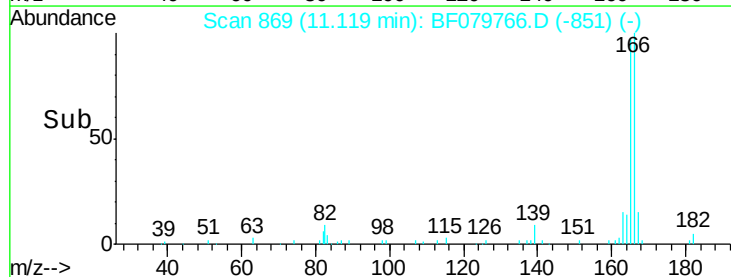
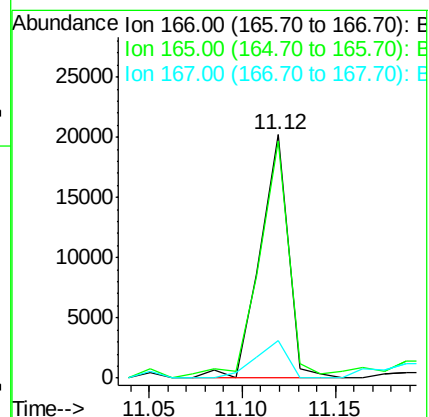
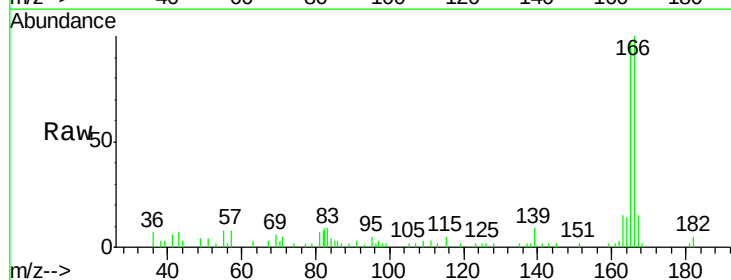
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

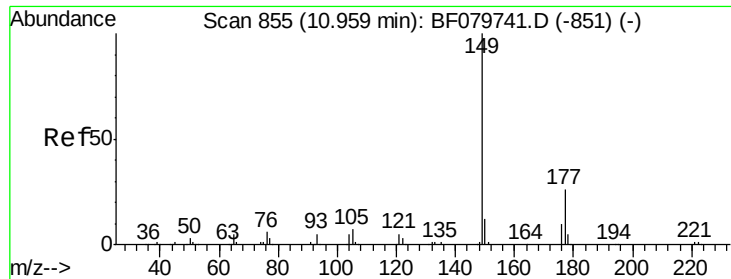
Tot Ion:165 Resp: 511
Ion Ratio Lower Upper
165 100
63 307.8 24.7 37.1#
89 192.5 45.7 68.5#
182 0.0 1.8 2.8#



#57
Fluorene
Concen: 2.09 ng
RT: 11.12 min Scan# 869
Delta R.T. 0.00 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion:166 Resp: 20978
Ion Ratio Lower Upper
166 100
165 97.4 79.4 119.0
167 15.3 11.0 16.4

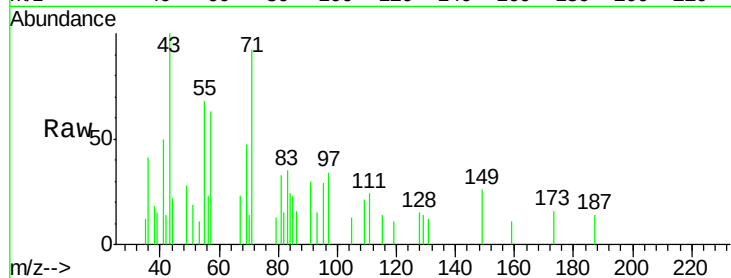




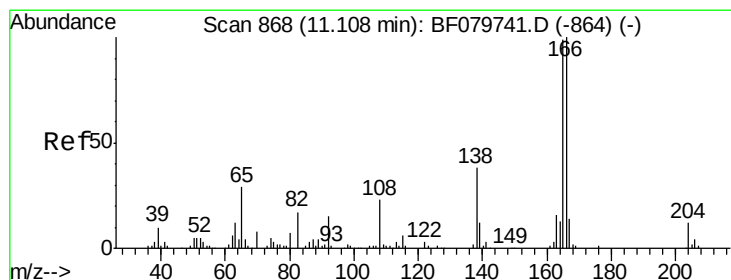
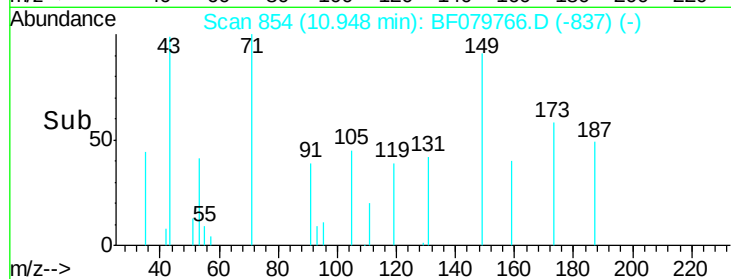
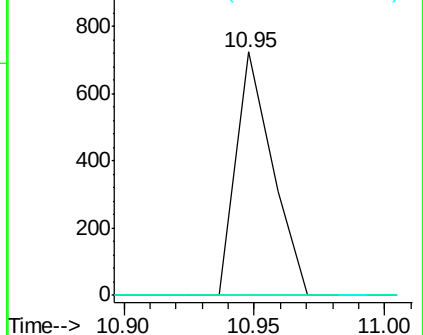
#59
Diethylphthalate
Concen: 0.08 ng
RT: 10.95 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

Tot Ion:149 Resp: 709
Ion Ratio Lower Upper
149 100
177 0.0 18.1 27.1#
150 0.0 10.5 15.7#

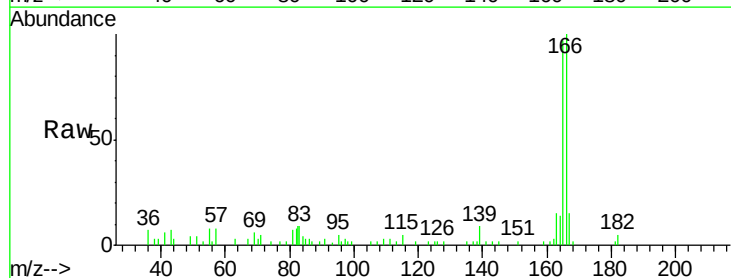


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

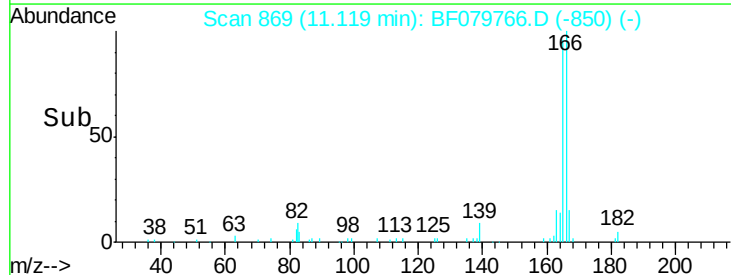
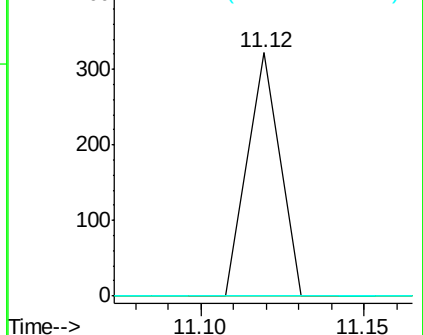


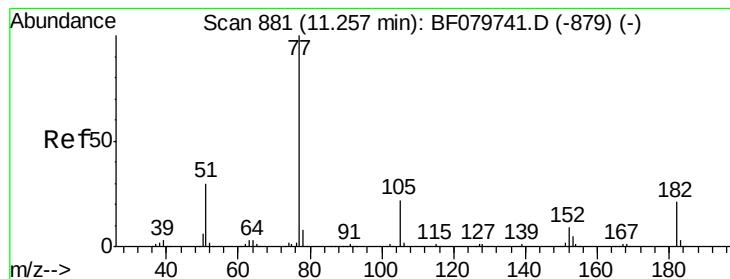
#61
4-Nitroaniline
Concen: Below Cal
RT: 11.12 min Scan# 869
Delta R.T. 0.01 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion:138 Resp: 221
Ion Ratio Lower Upper
138 100
92 0.0 38.2 78.2#
108 0.0 53.8 93.8#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 0.12 ng

RT: 11.27 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

Tot Ion: 77 Resp: 1129

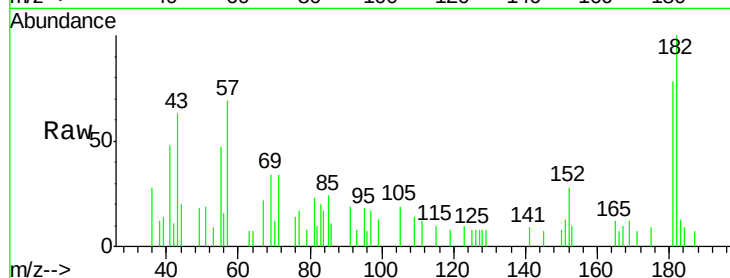
Ion Ratio Lower Upper

77 100

182 585.5 0.0 35.2#

105 111.8 0.0 39.5#

51 109.3 12.4 52.4#

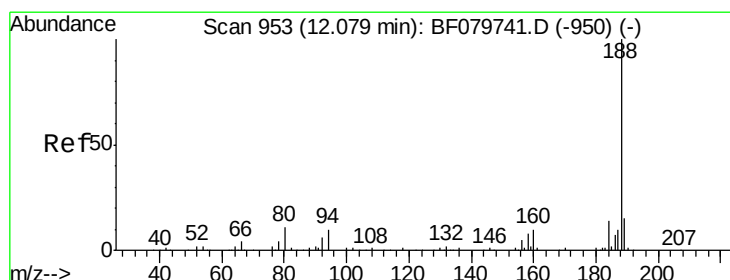
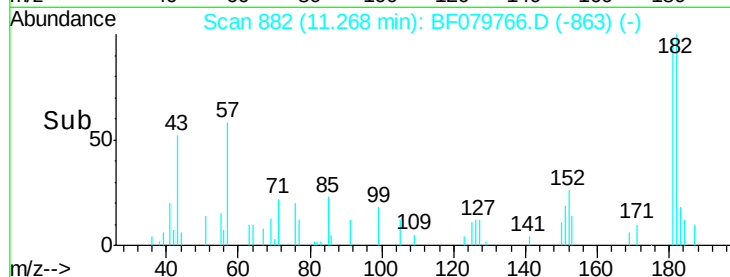
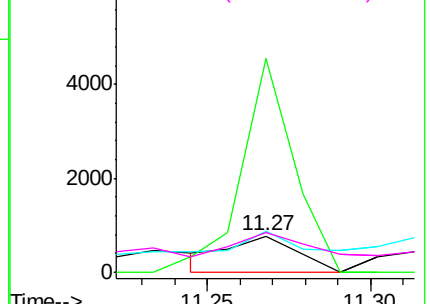


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 12.08 min Scan# 953

Delta R.T. 0.01 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

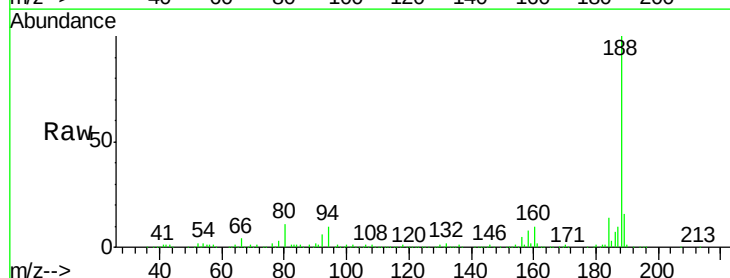
Tgt Ion: 188 Resp: 251815

Ion Ratio Lower Upper

188 100

94 10.2 5.0 7.4#

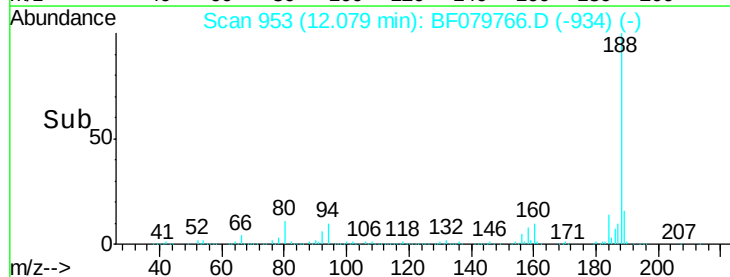
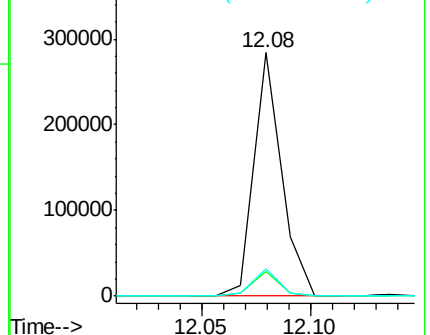
80 11.3 5.3 7.9#

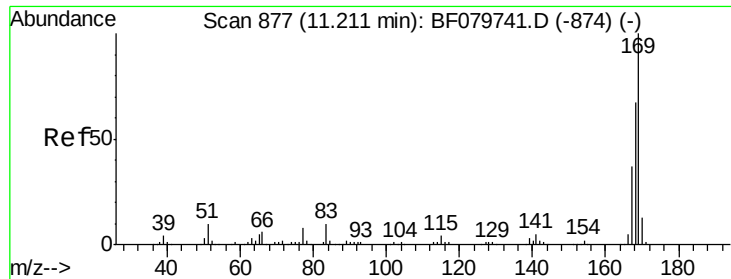


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.45 ng

RT: 11.20 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

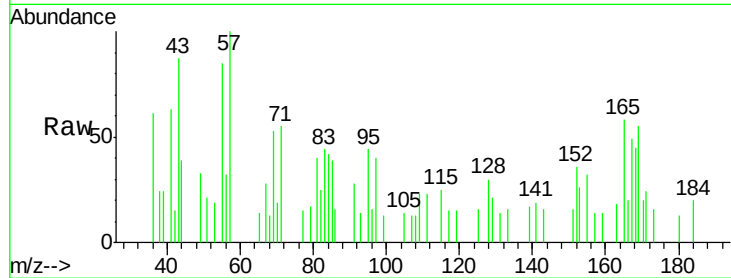
Tot Ion:169 Resp: 3816

Ion Ratio Lower Upper

169 100

168 82.0 54.8 82.2

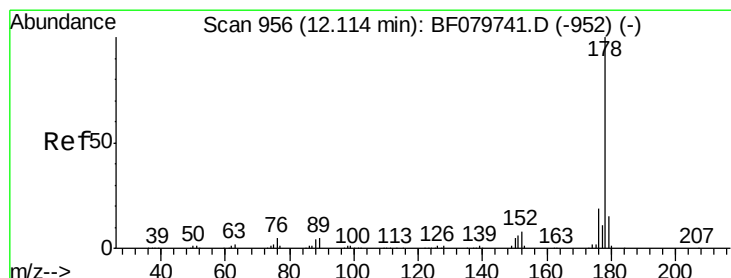
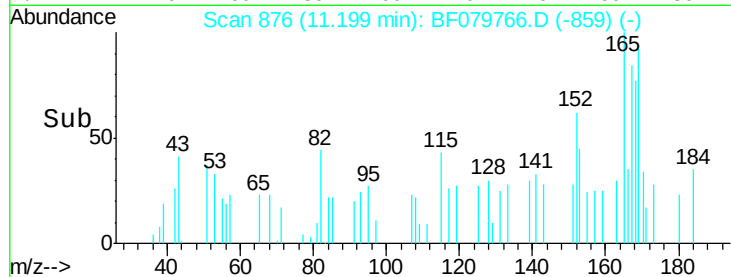
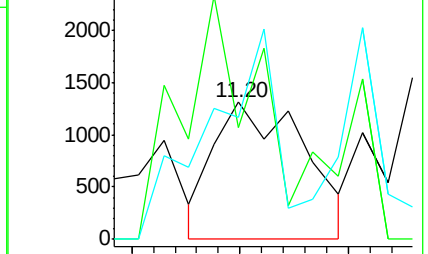
167 89.2 29.7 44.5#



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: 16.49 ng

RT: 12.10 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

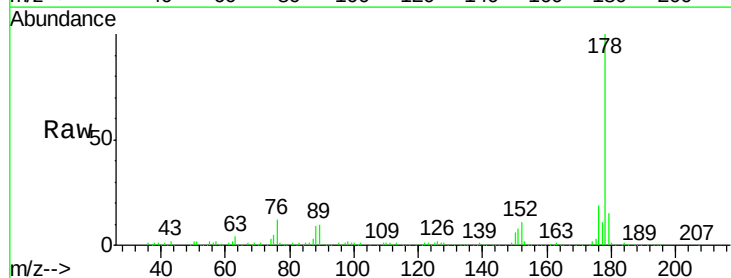
Tgt Ion:178 Resp: 243115

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

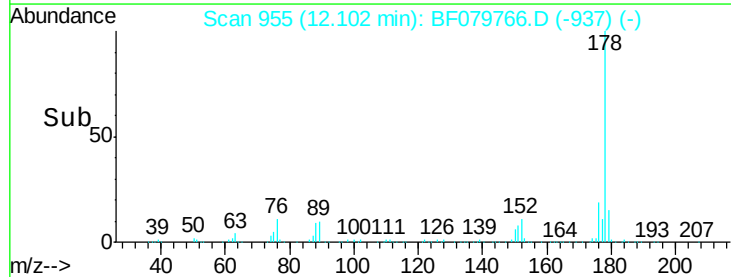
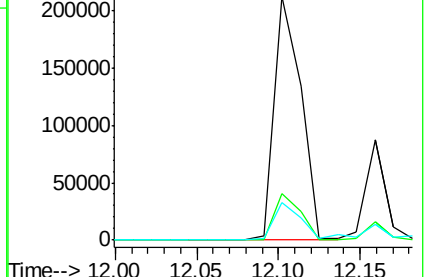
179 15.4 12.6 19.0

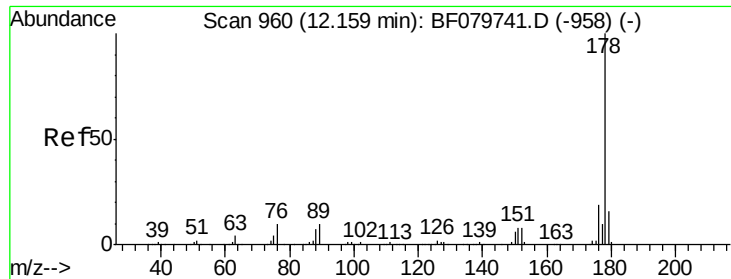


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

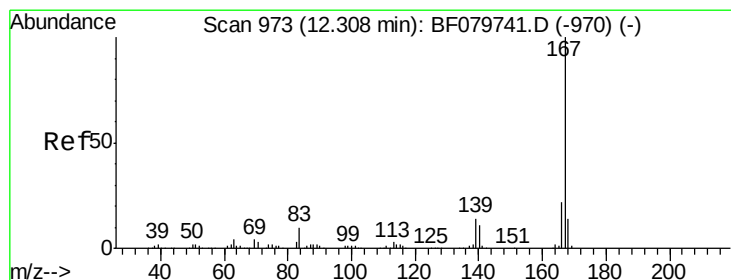
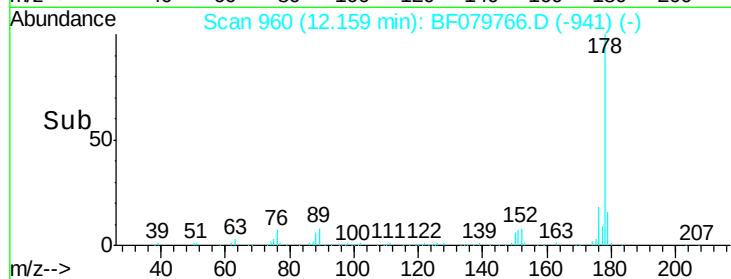
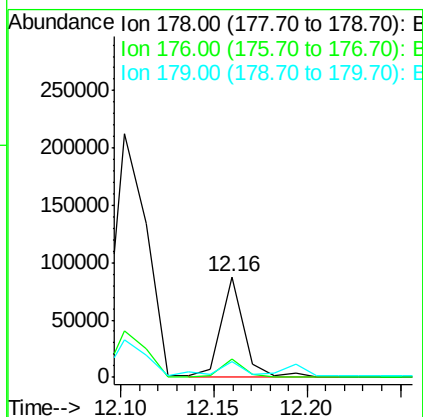
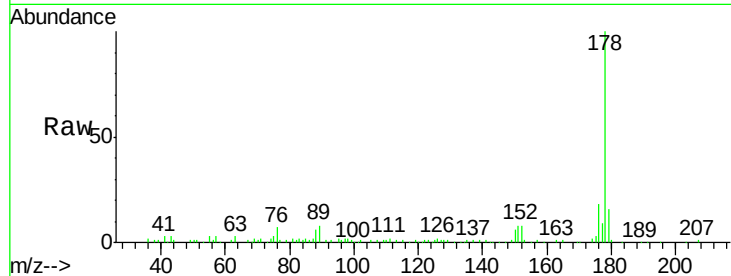




#71
 Anthracene
 Concen: 5.16 ng
 RT: 12.16 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

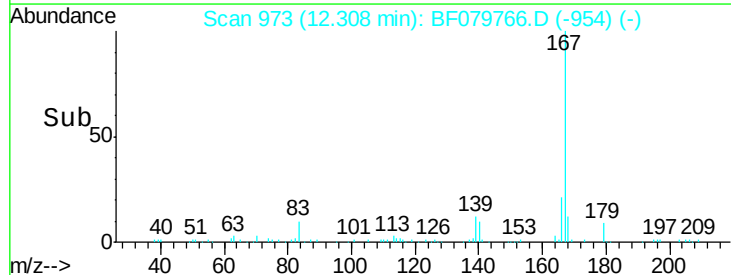
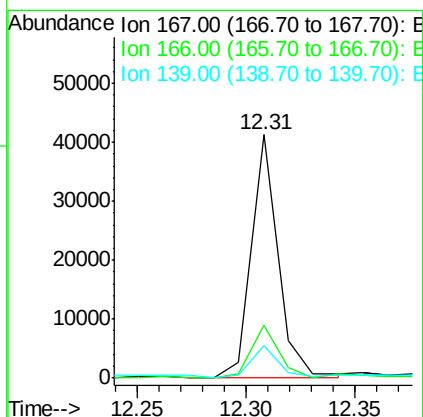
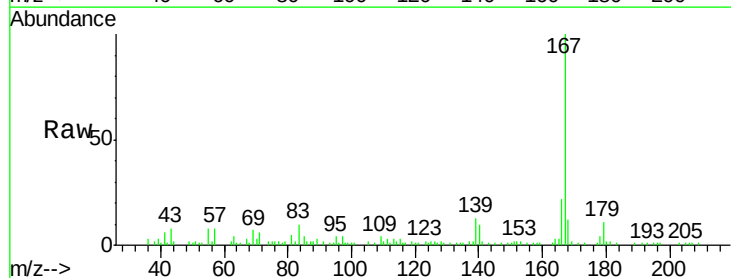
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

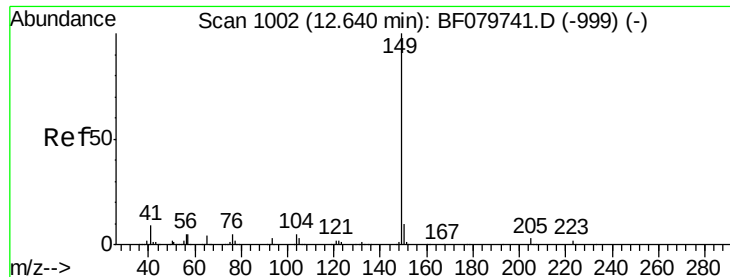
Tot Ion:178 Resp: 74985
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.8 22.2
 179 16.2 12.2 18.2



#72
 Carbazole
 Concen: 2.57 ng
 RT: 12.31 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Tgt Ion:167 Resp: 35439
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.7 26.5
 139 13.5 9.3 13.9





#73

Di-n-butylphthalate

Concen: 0.32 ng

RT: 12.64 min Scan# 1002

Delta R.T. 0.02 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

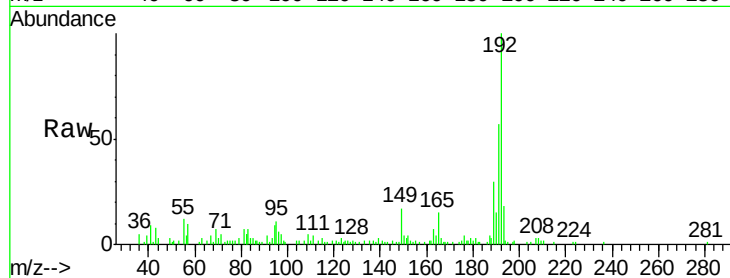
Tot Ion:149 Resp: 5025

Ion Ratio Lower Upper

149 100

150 23.9 9.8 14.8#

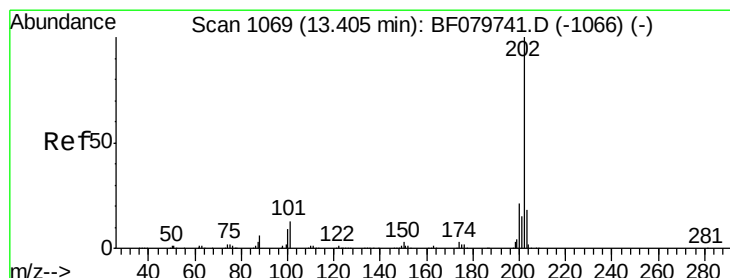
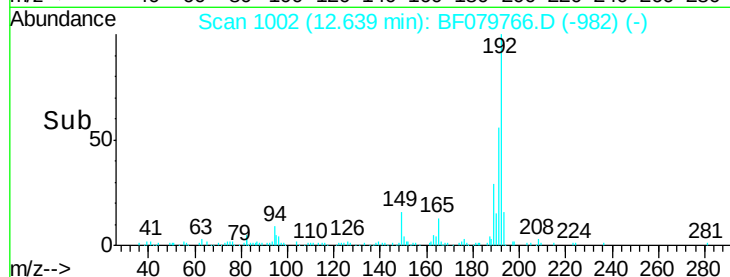
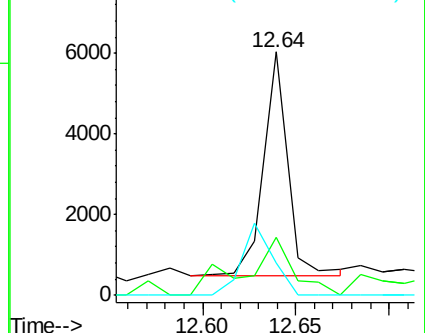
104 13.1 12.9 19.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 23.76 ng

RT: 13.41 min Scan# 1069

Delta R.T. 0.05 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

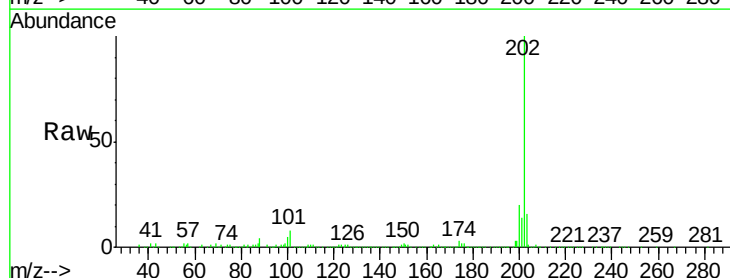
Tgt Ion:202 Resp: 383603

Ion Ratio Lower Upper

202 100

101 7.6 0.0 31.3

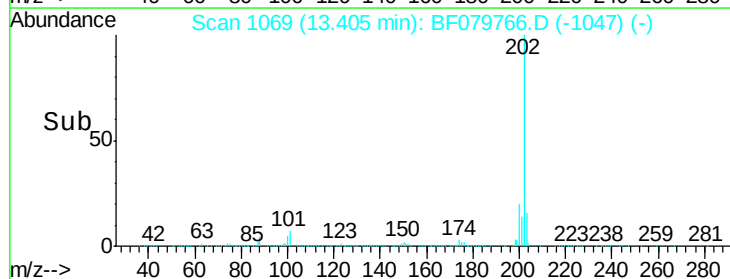
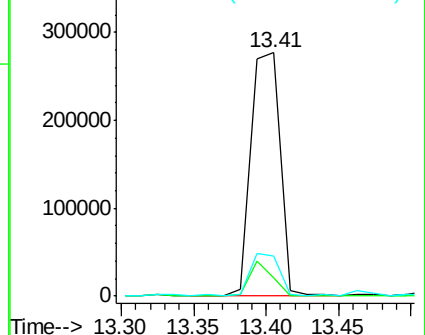
203 16.4 0.0 38.4

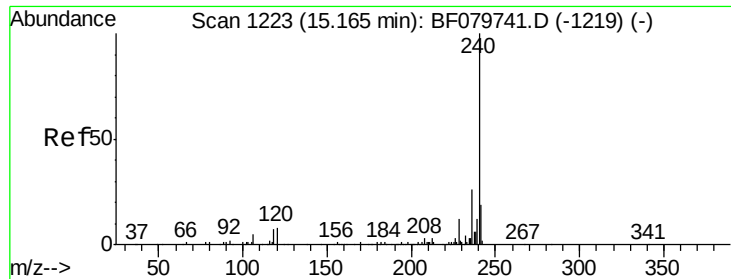


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.14 min Scan# 1221

Delta R.T. 0.13 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

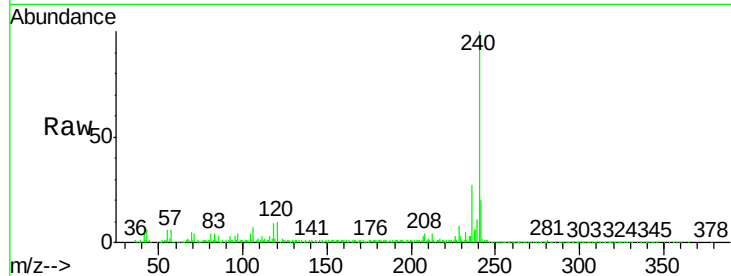
Tot Ion:240 Resp: 360028

Ion Ratio Lower Upper

240 100

120 9.9 6.2 9.2#

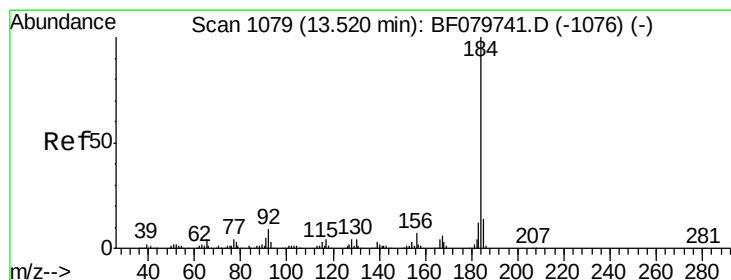
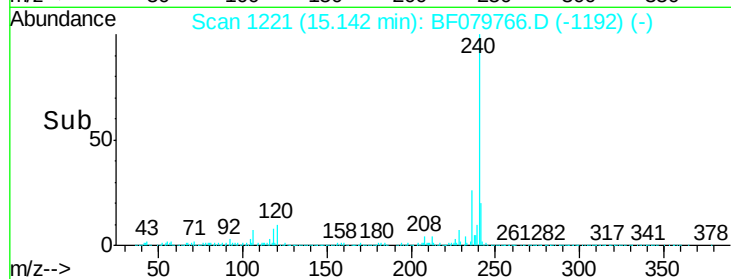
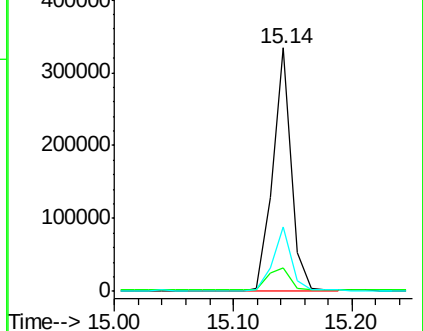
236 26.5 21.0 31.4



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



#76

Benzidine

Concen: 0.09 ng

RT: 13.60 min Scan# 1086

Delta R.T. 0.14 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

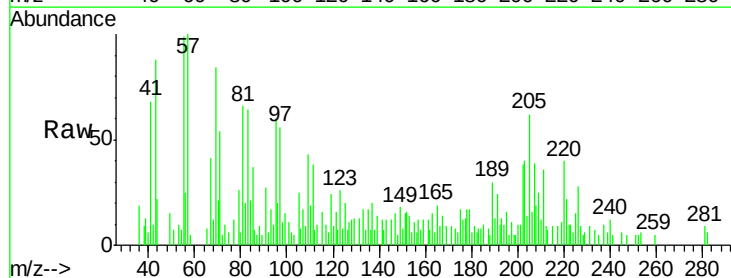
Tgt Ion:184 Resp: 1041

Ion Ratio Lower Upper

184 100

185 119.8 12.2 18.2#

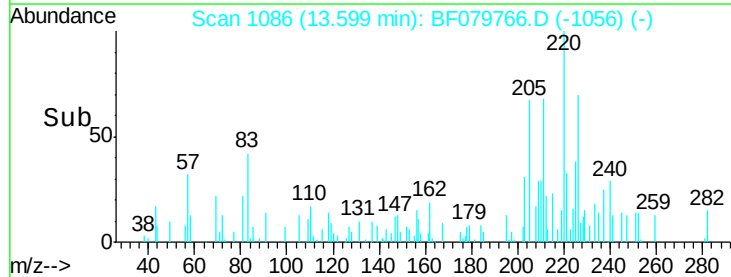
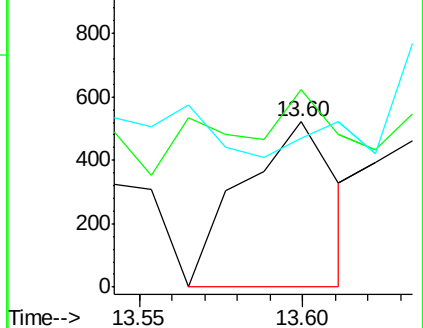
183 90.2 9.3 13.9#

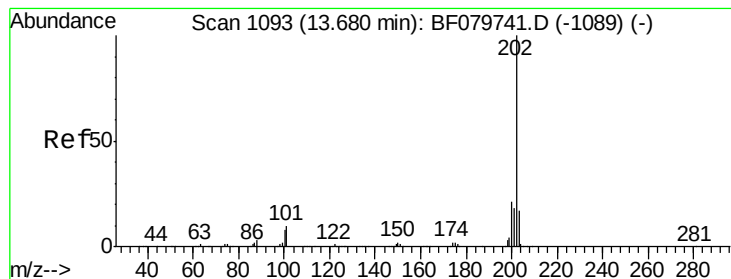


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 15.46 ng

RT: 13.67 min Scan# 1092

Delta R.T. 0.06 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

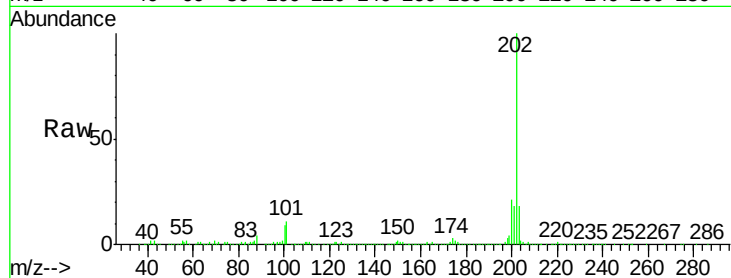
Tot Ion:202 Resp: 341133

Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

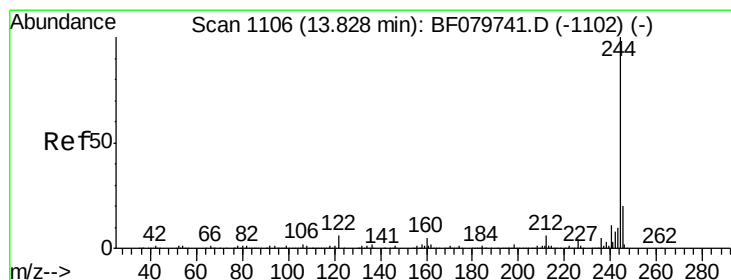
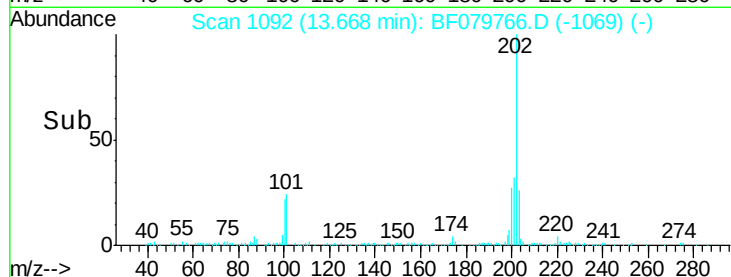
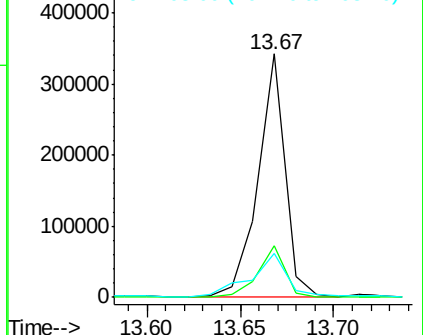
203 18.2 14.8 22.2



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: 12.60 ng

RT: 13.81 min Scan# 1104

Delta R.T. 0.06 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

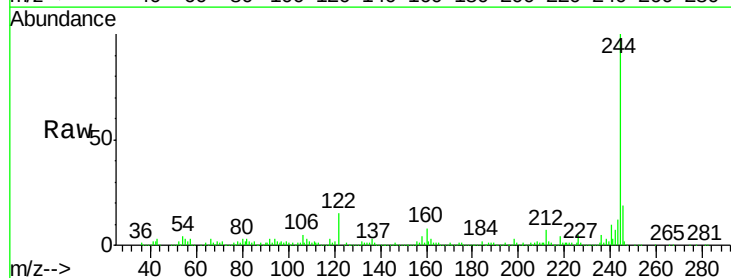
Tgt Ion:244 Resp: 396190

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

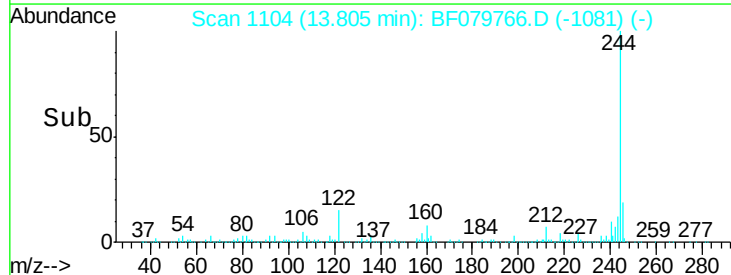
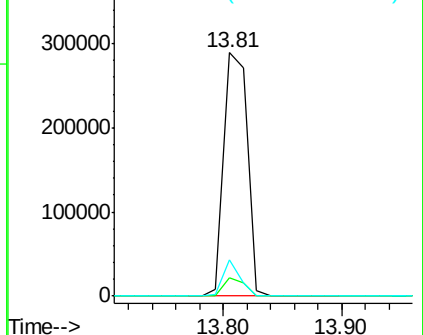
122 14.8 9.3 13.9#

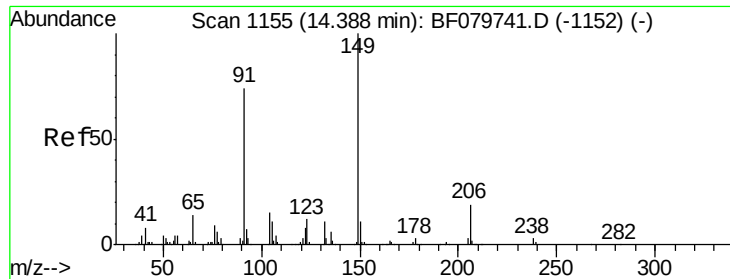


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

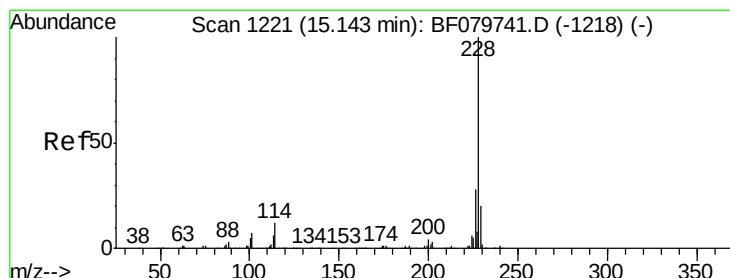
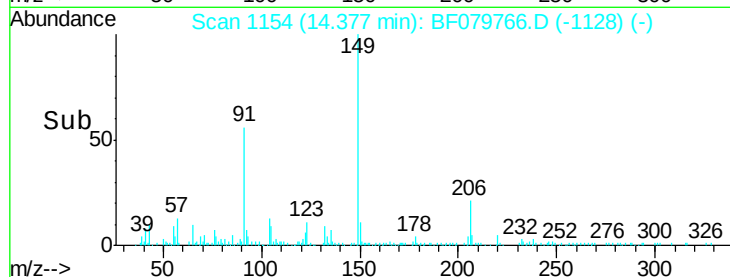
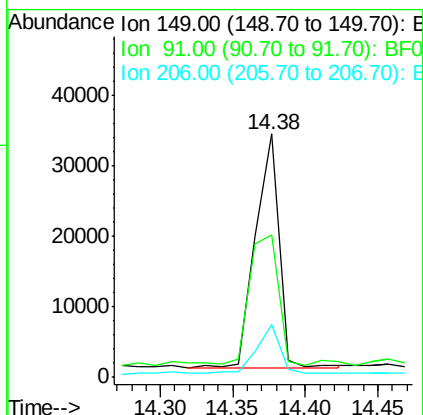
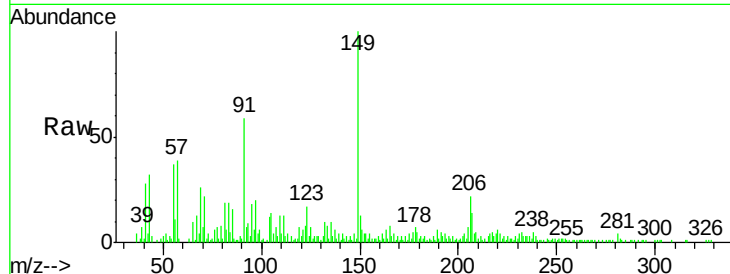




#79
Butylbenzylphthalate
Concen: 4.26 ng
RT: 14.38 min Scan# 1154
Delta R.T. 0.09 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

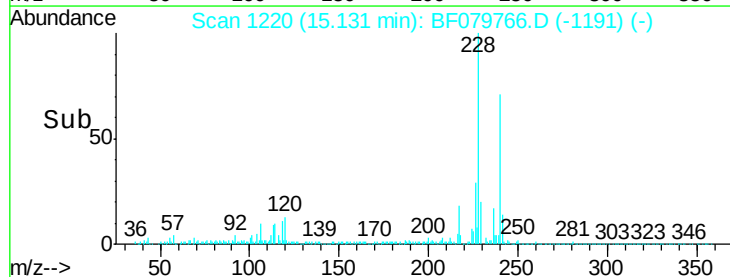
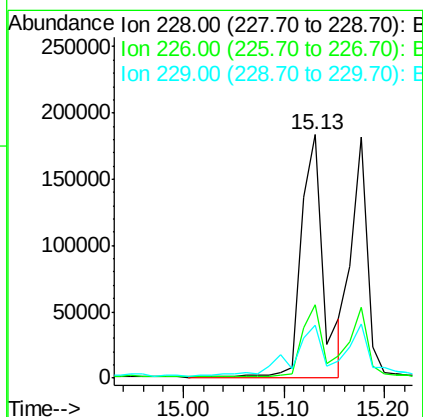
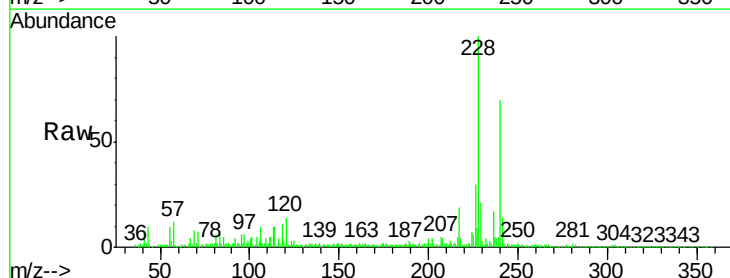
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

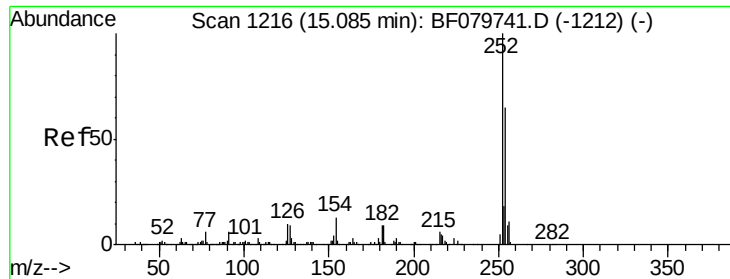
Tot Ion:149 Resp: 37467
Ion Ratio Lower Upper
149 100
91 58.6 64.4 96.6#
206 21.6 14.8 22.2



#80
Benzo(a)anthracene
Concen: 12.59 ng
RT: 15.13 min Scan# 1220
Delta R.T. 0.13 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion:228 Resp: 277480
Ion Ratio Lower Upper
228 100
226 30.1 22.2 33.4
229 21.5 16.6 25.0

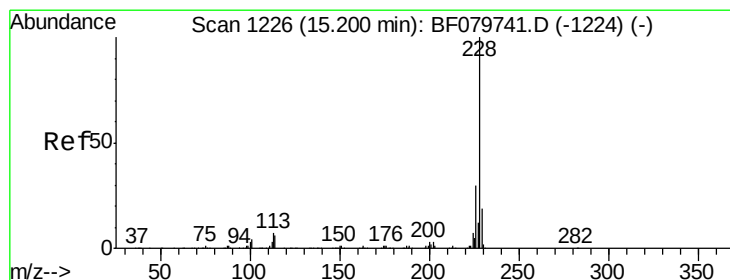
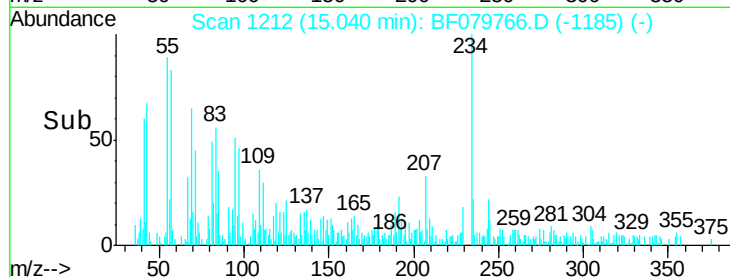
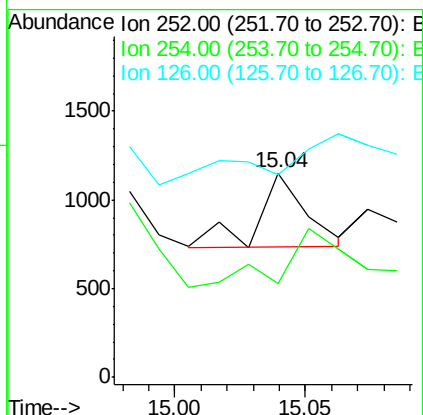
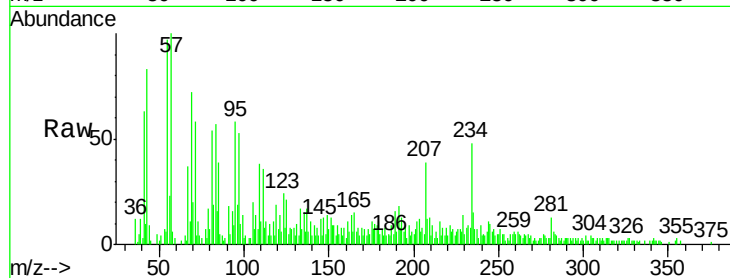




#81
 3,3'-Dichlorobenzidine
 Concen: 0.07 ng
 RT: 15.04 min Scan# 1212
 Delta R.T. 0.10 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

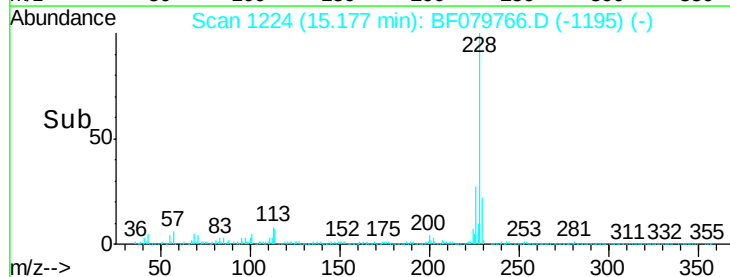
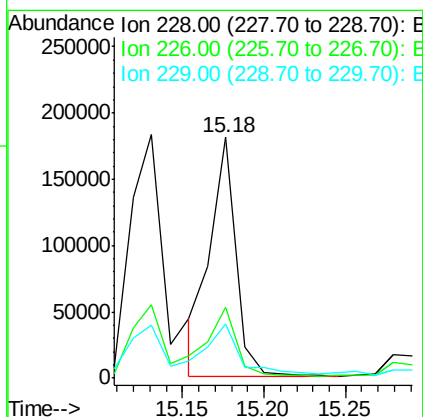
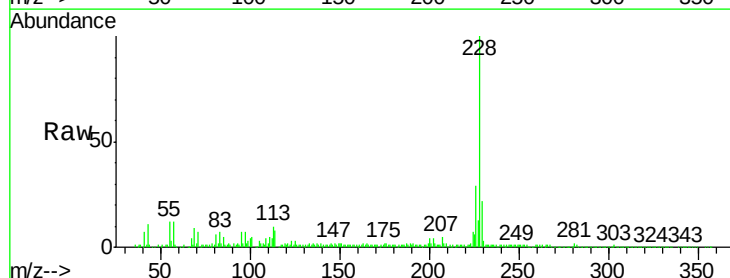
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

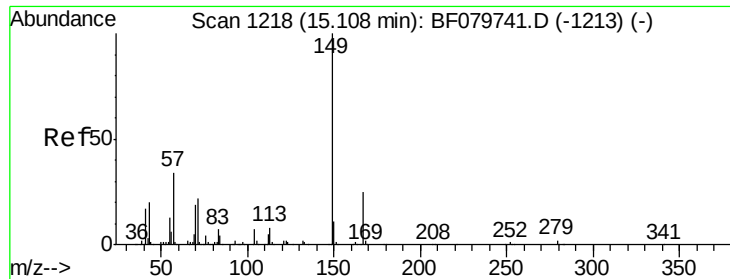
Tot Ion:252 Resp: 533
 Ion Ratio Lower Upper
 252 100
 254 46.2 52.0 78.0#
 126 99.3 6.9 10.3#



#82
 Chrysene
 Concen: 9.86 ng
 RT: 15.18 min Scan# 1224
 Delta R.T. 0.13 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Tgt Ion:228 Resp: 200866
 Ion Ratio Lower Upper
 228 100
 226 29.2 25.2 37.8
 229 22.4 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.27 ng

RT: 15.09 min Scan# 1216

Delta R.T. 0.13 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

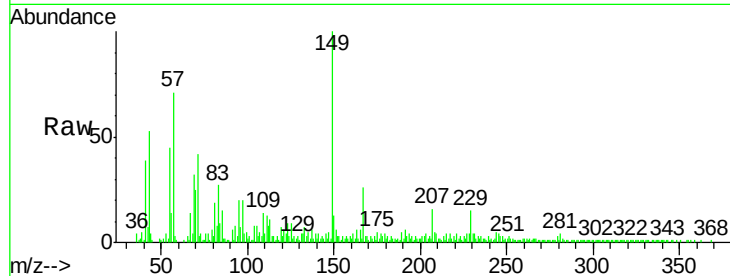
Tot Ion:149 Resp: 73270

Ion Ratio Lower Upper

149 100

167 26.1 20.9 31.3

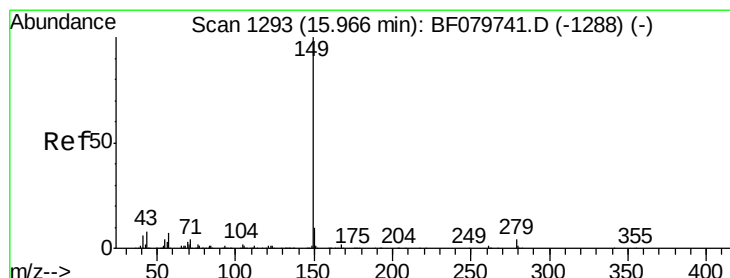
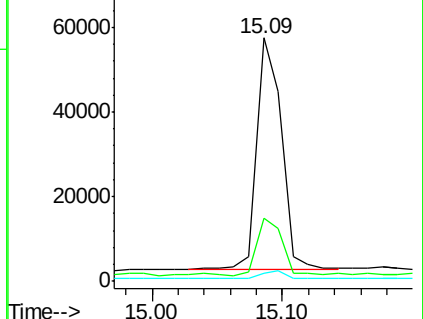
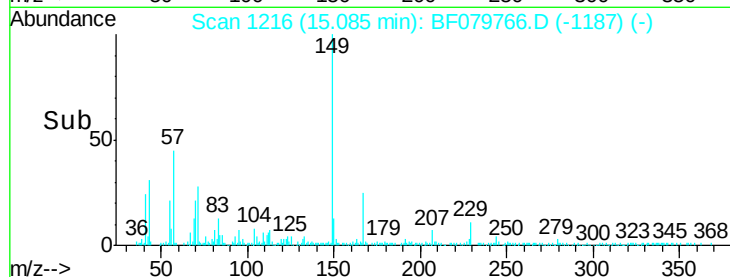
279 3.2 2.2 3.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.23 ng

RT: 15.85 min Scan# 1283

Delta R.T. 0.10 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

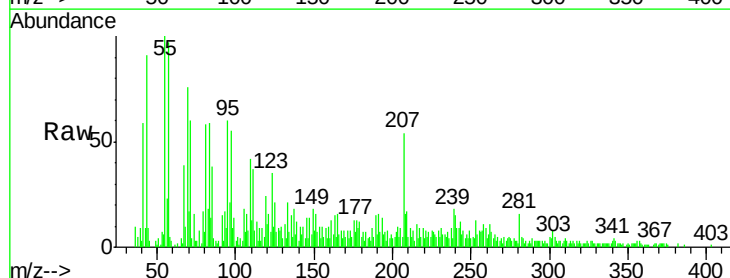
Tgt Ion:149 Resp: 5563

Ion Ratio Lower Upper

149 100

167 28.8 1.3 1.9#

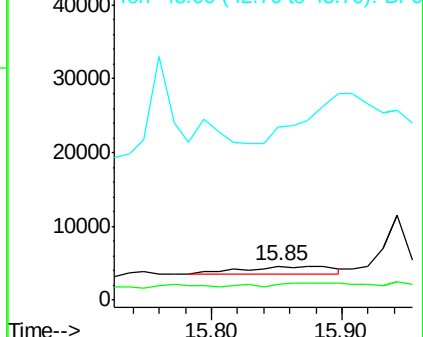
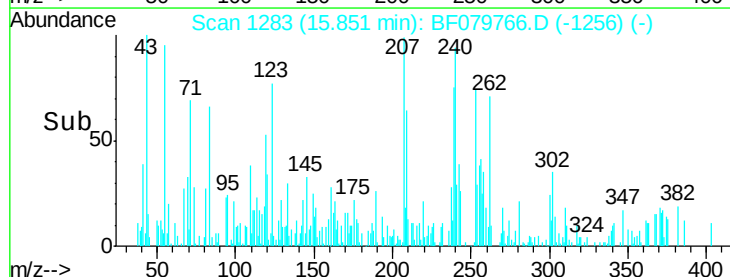
43 0.0 9.0 13.4#

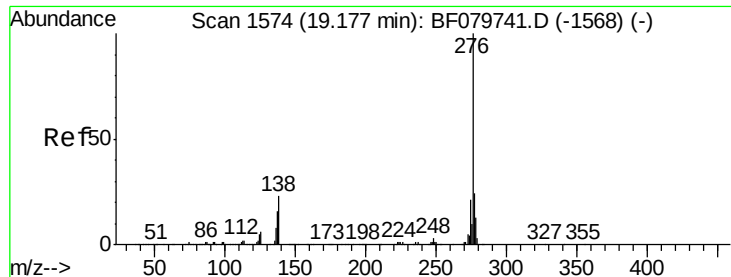


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

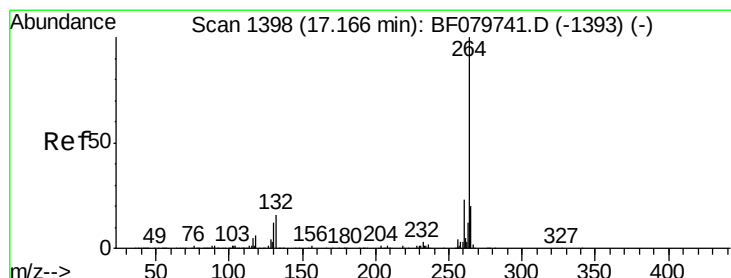
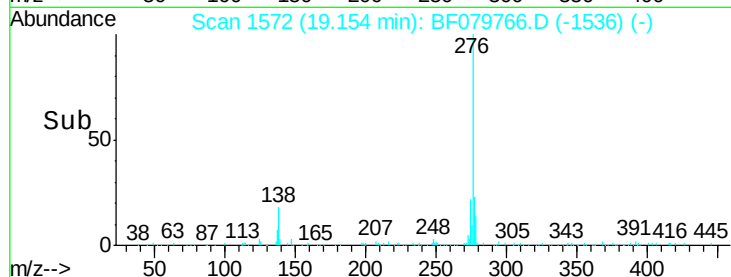
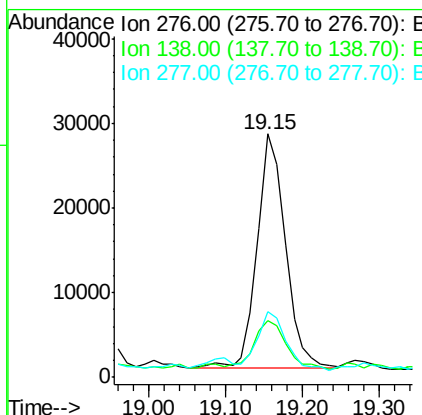
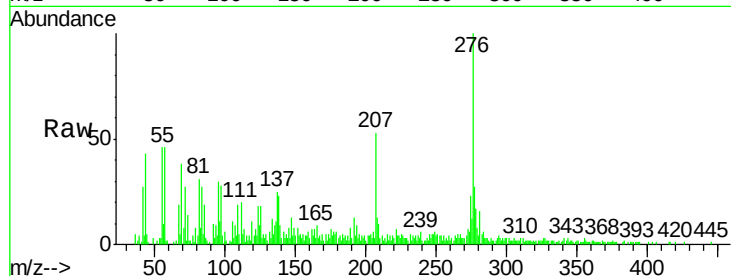




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.02 ng
RT: 19.15 min Scan# 1572
Delta R.T. 0.21 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

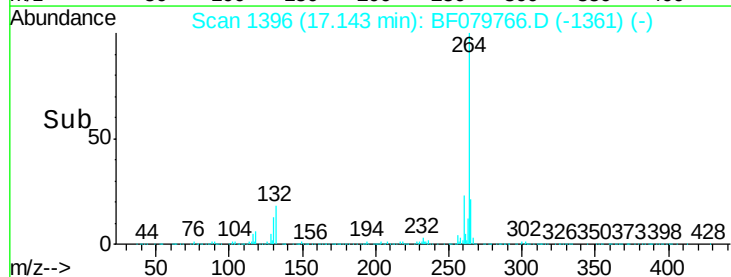
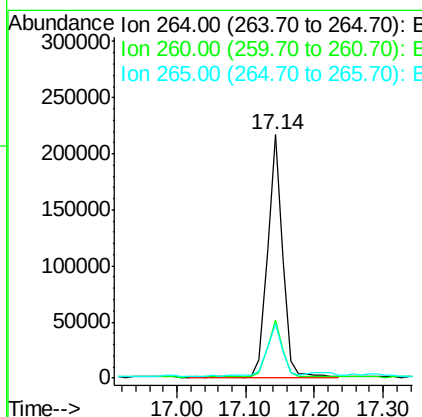
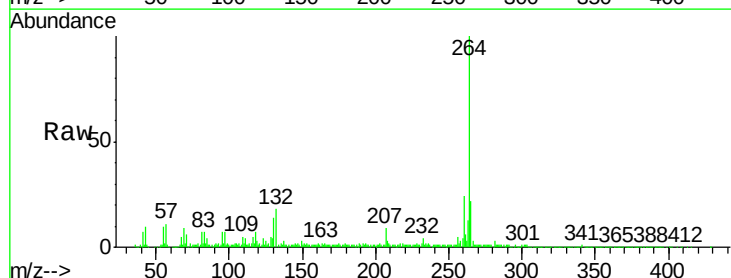
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

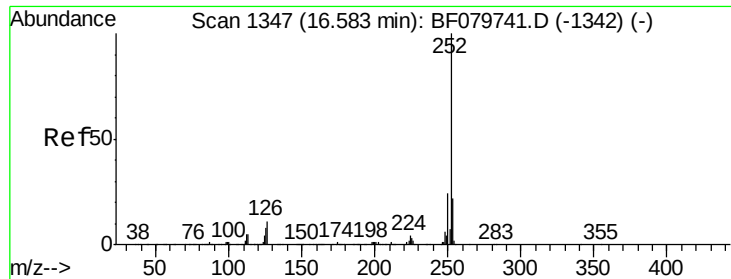
Tot Ion:276 Resp: 71116
Ion Ratio Lower Upper
276 100
138 23.6 20.8 31.2
277 25.4 20.0 30.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.14 min Scan# 1396
Delta R.T. 0.19 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion:264 Resp: 326002
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 22.3 18.2 27.4

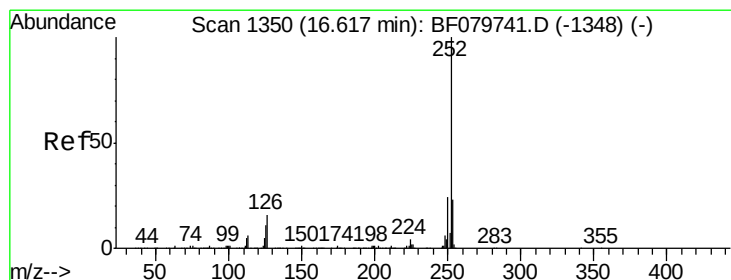
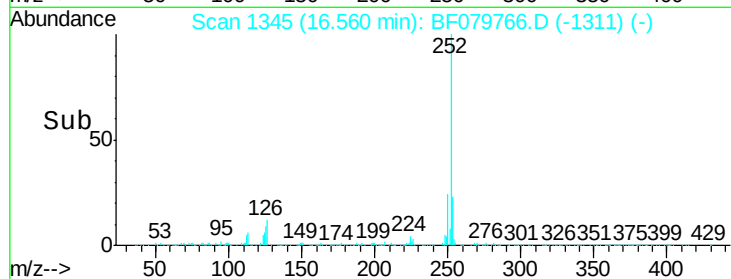
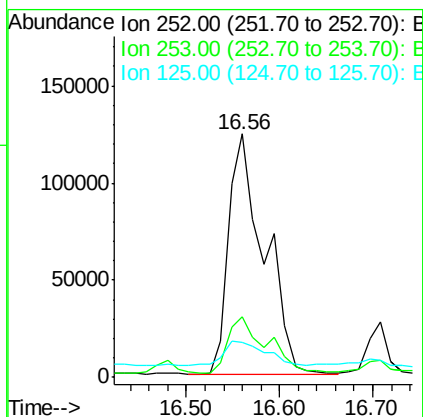
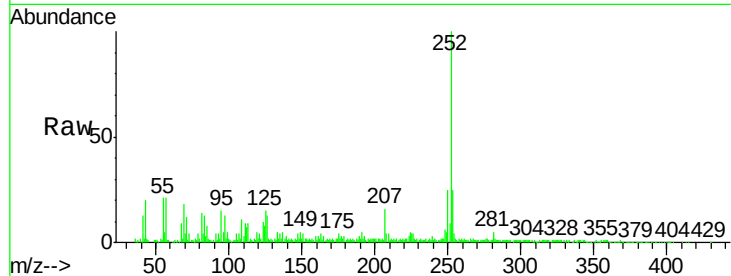




#87
Benzo(b)fluoranthene
Concen: 16.41 ng
RT: 16.56 min Scan# 1345
Delta R.T. 0.18 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

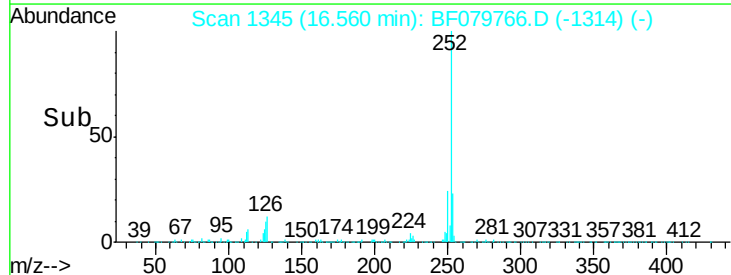
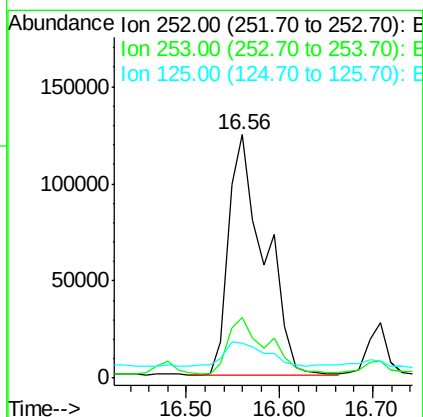
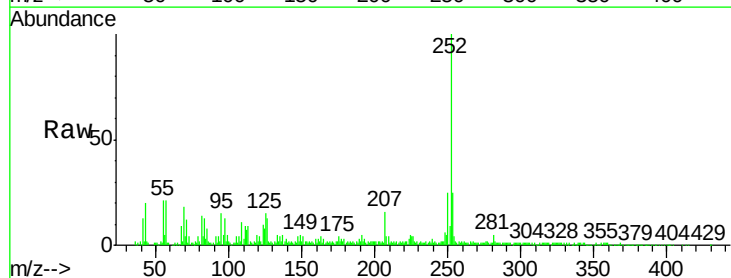
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

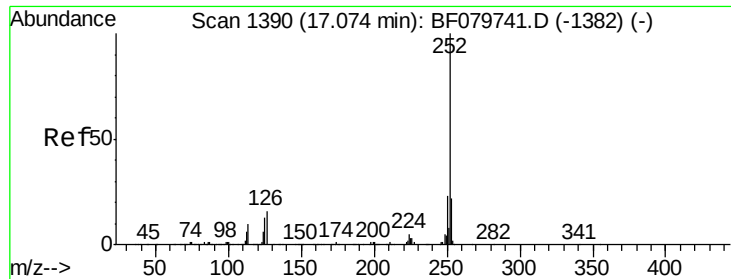
Tot Ion:252 Resp: 332411
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 14.6 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 17.11 ng
RT: 16.56 min Scan# 1345
Delta R.T. 0.15 min
Lab File: BF079766.D
Acq: 6 Jun 2015 10:18

Tgt Ion:252 Resp: 332411
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 14.6 8.4 12.6#





#89

Benzo(a)pyrene

Concen: 9.31 ng

RT: 17.05 min Scan# 1388

Delta R.T. 0.18 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

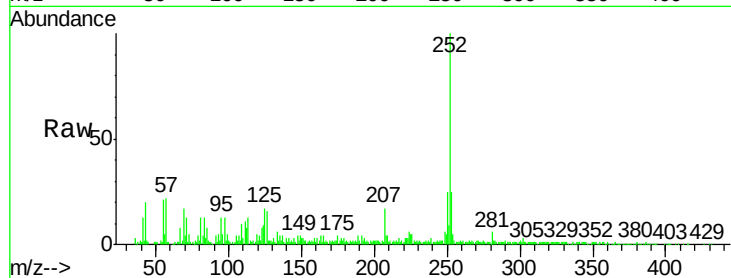
Tot Ion:252 Resp: 174078

Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

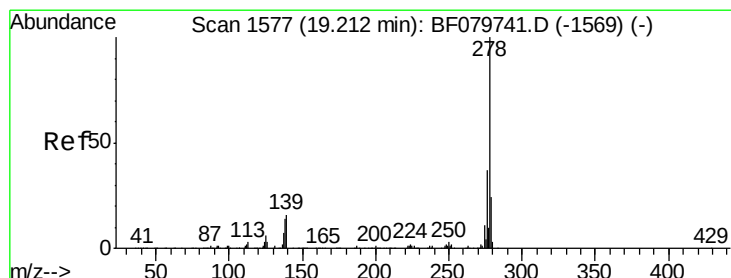
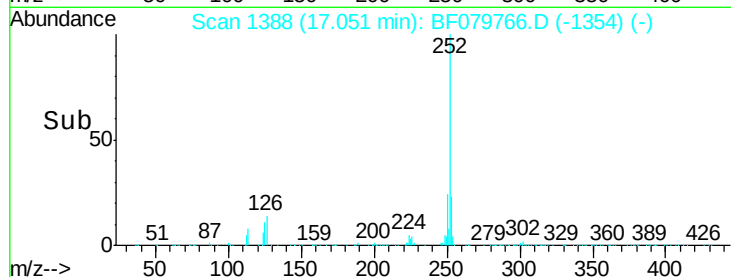
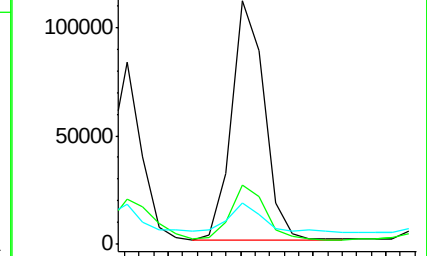
125 16.9 7.4 11.0#



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: 1.11 ng

RT: 19.18 min Scan# 1574

Delta R.T. 0.21 min

Lab File: BF079766.D

Acq: 6 Jun 2015 10:18

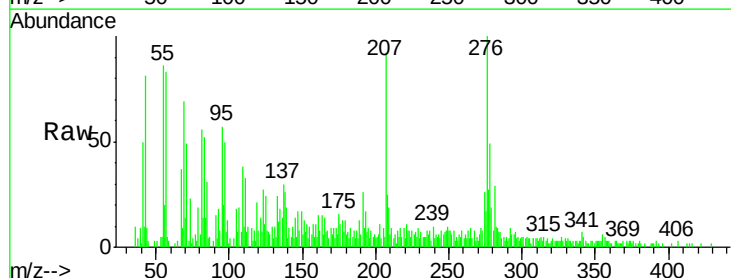
Tgt Ion:278 Resp: 20022

Ion Ratio Lower Upper

278 100

139 38.4 12.7 19.1#

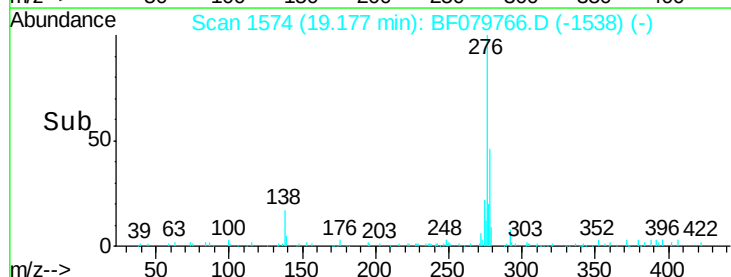
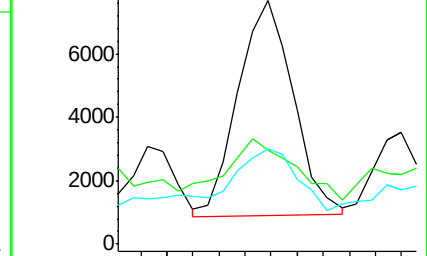
279 39.1 19.4 29.2#

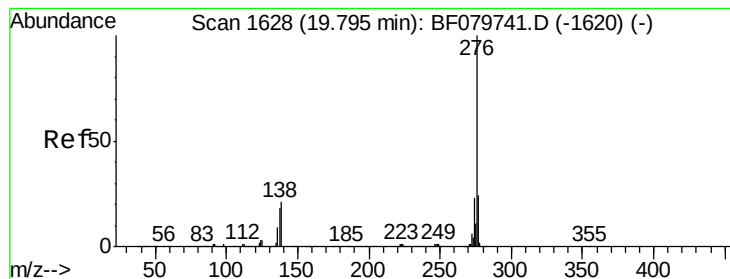


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

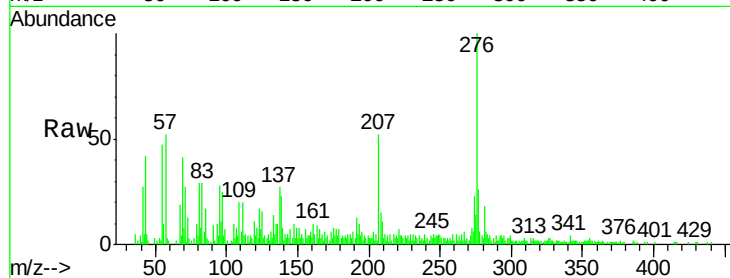




#91
 Benzo(a,h,i)perylene
 Concen: 3.88 ng
 RT: 19.77 min Scan# 1626
 Delta R.T. 0.21 min
 Lab File: BF079766.D
 Acq: 6 Jun 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

Tot Ion:	276	Resp:	72286
Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	23.4	18.2	27.2



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

