

Data Path : Y:\HPCHEM1\BNA F\DATA\BF060515\
 Data File : BF079765.D
 Acq On : 6 Jun 2015 9:49
 Operator : TP/IZ
 Sample : G2499-01 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Jun 08 04:52:14 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	53094	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	223107	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	112609	20.00	ng	0.00
63) Phenanthrene-d10	12.09	188	247324	20.00	ng	0.02
75) Chrysene-d12	0.00	240	0	0.00	ng	-15.02
86) Perylene-d12	16.95	264	188	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.10	112	55041	8.69	ng	0.00
7) Phenol-d6	7.08	99	210735	25.75	ng	0.00
23) Nitrobenzene-d5	8.04	82	112064	15.42	ng	0.00
41) 2,4,6-Tribromophenol	11.36	330	2358	1.09	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	280530	16.88	ng	0.00
78) Terphenyl-d14	13.86	244	364126	0.00	ng	0.11

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.53	88	232	0.17	ng	# 19
6) Aniline	7.21	93	259	0.04	ng	# 44
9) Benzaldehyde	7.04	77	1916	0.72	ng	# 76
10) Phenol	7.10	94	4569	1.03	ng	# 74
11) bis(2-Chloroethyl)ether	7.21	93	259	0.07	ng	# 19
15) Benzyl Alcohol	7.61	79	96104	28.42	ng	# 94
17) 2-Methylphenol	7.61	107	50229	15.71	ng	# 10
18) Hexachloroethane	8.02	117	347	0.26	ng	# 1
20) 3+4-Methylphenols	7.86	107	339	0.08	ng	# 70
22) Acetophenone	7.88	105	1241	0.23	ng	# 76
24) Nitrobenzene	8.04	77	704	0.19	ng	# 47
25) Isophorone	8.39	82	285	0.04	ng	# 67
31) Naphthalene	8.81	128	14671	1.25	ng	# 97
33) 4-Chloroaniline	8.81	127	2035	0.34	ng	# 44
35) Caprolactam	9.19	113	238	0.25	ng	# 1
36) 4-Chloro-3-methylphenol	9.34	107	334	0.10	ng	# 13
37) 2-Methylnaphthalene	9.51	142	6132	0.82	ng	# 98
45) 1,1'-Biphenyl	9.96	154	2330	0.24	ng	# 95
48) Acenaphthylene	10.42	152	13719	1.04	ng	# 99
49) Dimethylphthalate	10.24	163	54640	6.30	ng	# 99
50) 2,6-Dinitrotoluene	10.28	165	339	1.31	ng	# 23
51) Acenaphthene	10.59	154	11717	1.56	ng	# 99
54) Dibenzofuran	10.76	168	13548	1.28	ng	# 94
55) 4-Nitrophenol	10.76	139	5401	3.95	ng	# 15
56) 2,4-Dinitrotoluene	10.56	165	14728	11.66	ng	# 33
57) Fluorene	11.12	166	17676	1.93	ng	# 94
59) Diethylphthalate	10.95	149	780	0.09	ng	# 53
61) 4-Nitroaniline	11.12	138	211	Below Cal		# 17
62) Azobenzene	11.27	77	1891	0.22	ng	# 1
65) n-Nitrosodiphenylamine	11.22	169	3118	0.38	ng	# 36
70) Phenanthrene	12.11	178	190979	13.19	ng	# 98
71) Anthracene	12.17	178	56504	3.96	ng	# 99
72) Carbazole	12.32	167	21834	1.61	ng	# 95
73) Di-n-butylphthalate	12.66	149	23943	1.56	ng	# 86

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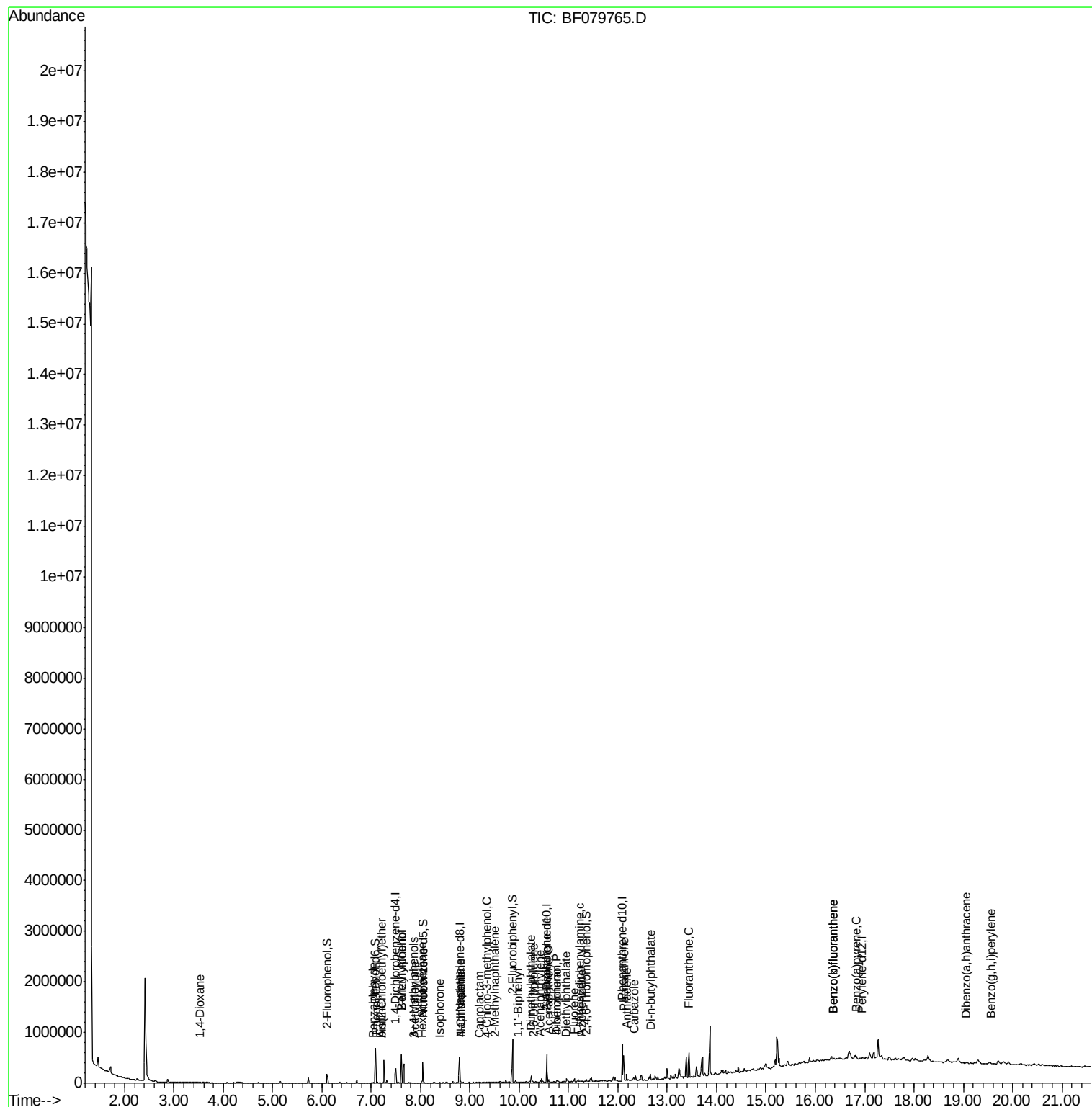
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	13.44	202	241109	15.21	nq	96
87) Benzo(b)fluoranthene	16.37	252	844	72.27	nq	# 1
88) Benzo(k)fluoranthene	16.37	252	844	75.35	nq	# 1
89) Benzo(a)pyrene	16.83	252	21643	2007.50	nq	# 65
90) Dibenzo(a,h)anthracene	19.05	278	11792	1133.32	nq	# 53
91) Benzo(a,h,i)perylene	19.55	276	3006	279.44	nq	# 8

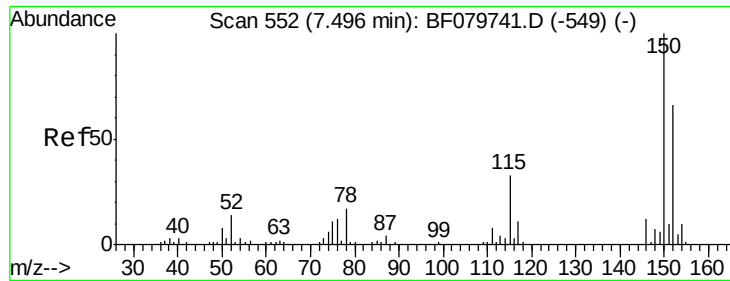
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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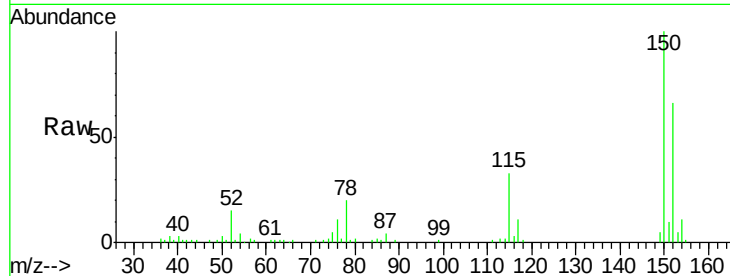


#1

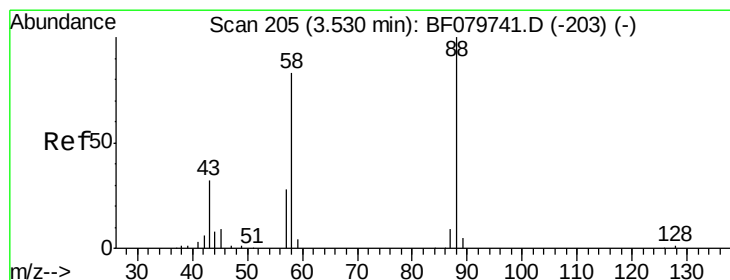
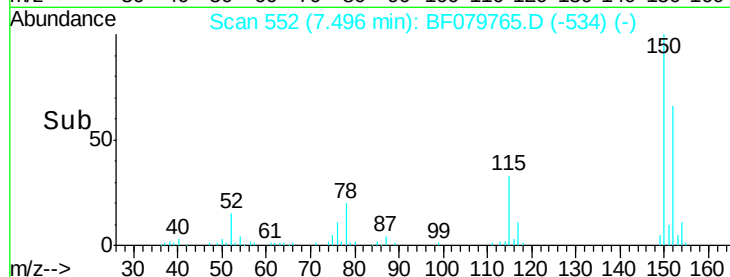
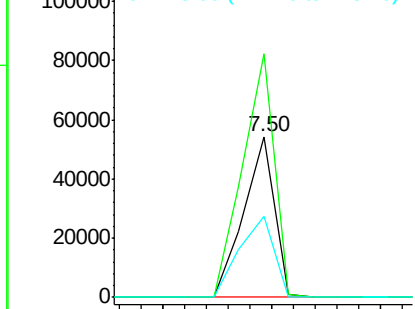
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.50 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

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

Tot Ion:152 Resp: 53094
Ion Ratio Lower Upper
152 100
150 151.7 128.1 192.1
115 50.4 49.7 74.5



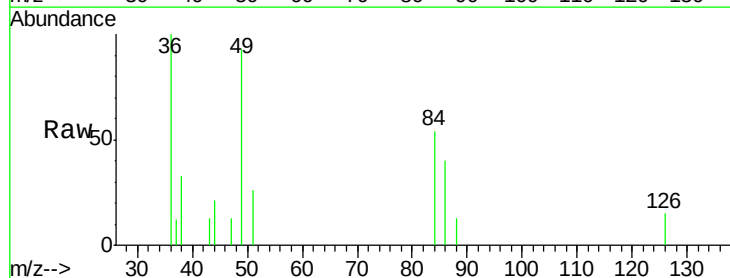
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



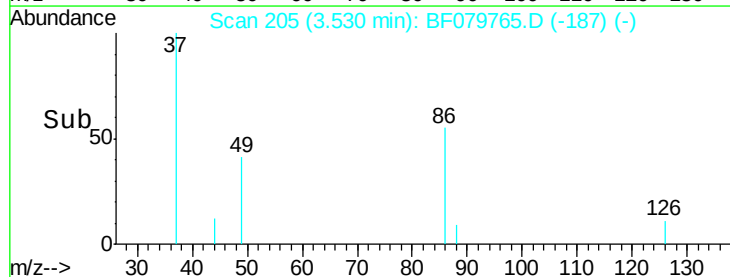
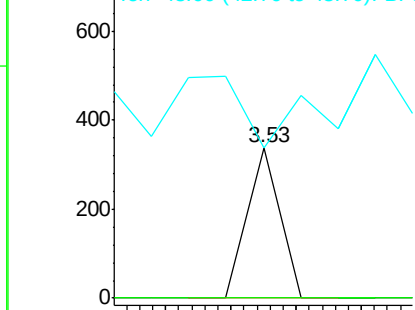
#2

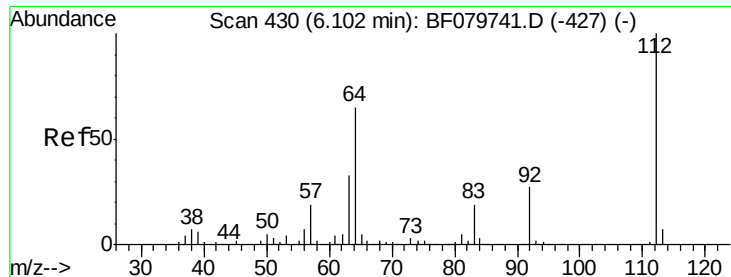
1,4-Dioxane
Concen: 0.17 ng
RT: 3.53 min Scan# 205
Delta R.T. 0.00 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

Tgt Ion: 88 Resp: 232
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: 8.69 ng

RT: 6.10 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

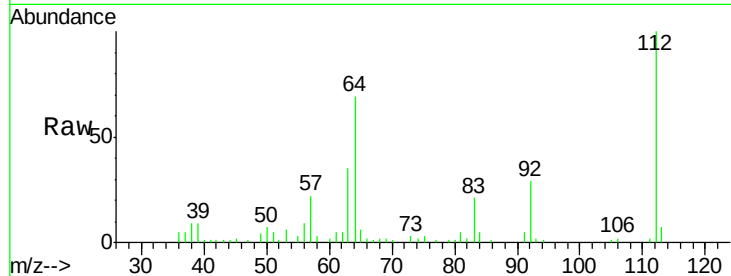
Tot Ion: 112 Resp: 55041

Ion Ratio Lower Upper

112 100

64 69.3 49.6 74.4

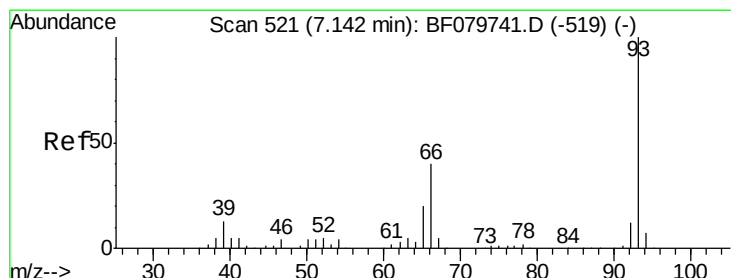
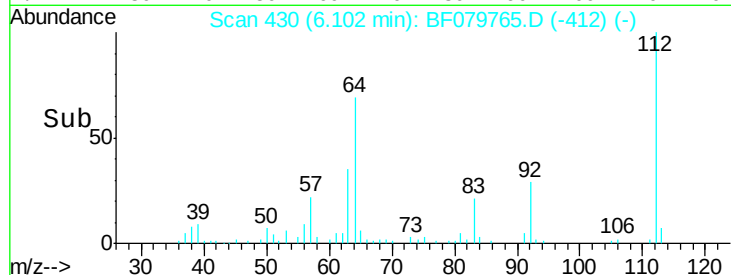
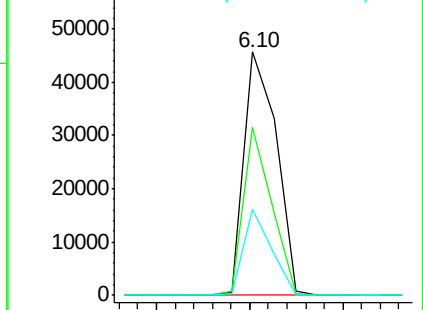
63 35.2 24.9 37.3



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: 0.04 ng

RT: 7.21 min Scan# 527

Delta R.T. 0.07 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

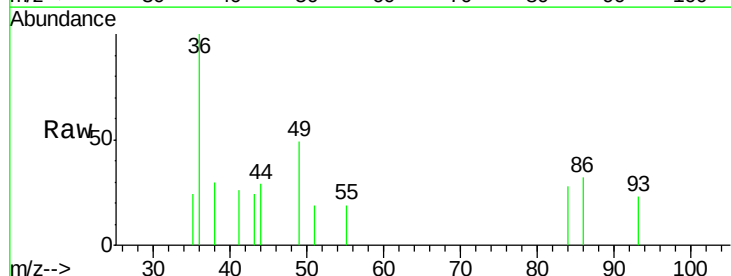
Tgt Ion: 93 Resp: 259

Ion Ratio Lower Upper

93 100

66 0.0 30.3 45.5#

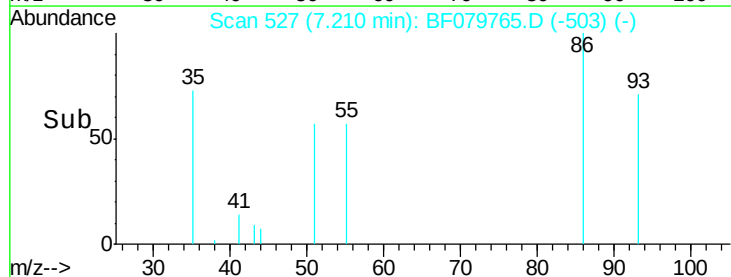
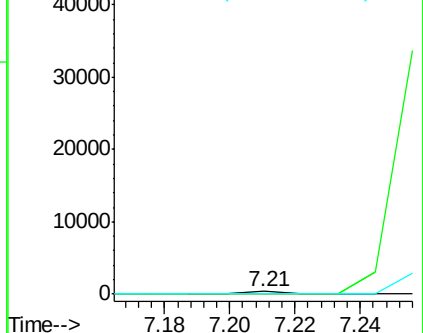
65 0.0 15.8 23.6#

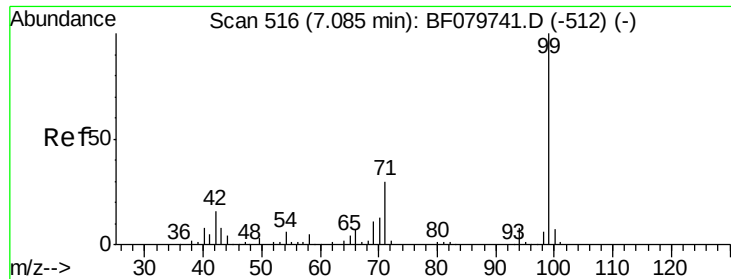


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 25.75 ng

RT: 7.08 min Scan# 516

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

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FK-SF-02-002-A

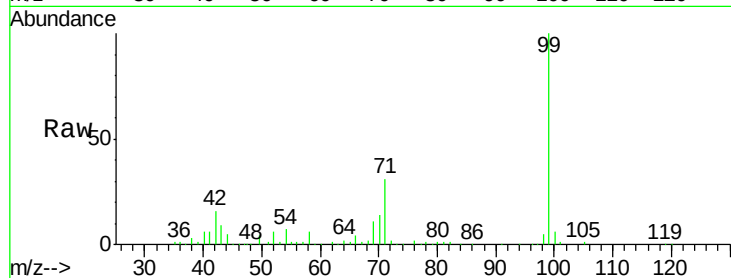
Tot Ion: 99 Resp: 210735

Ion Ratio Lower Upper

99 100

42 16.5 18.0 27.0#

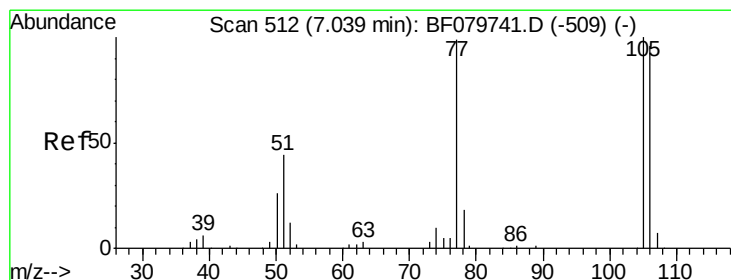
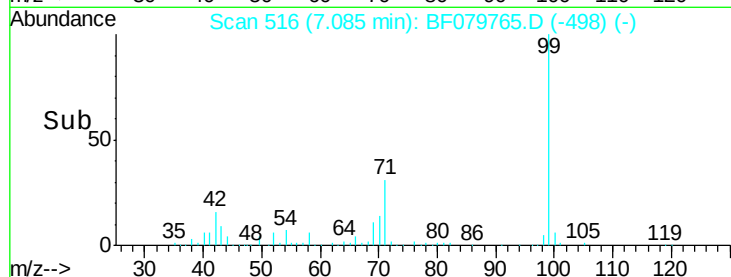
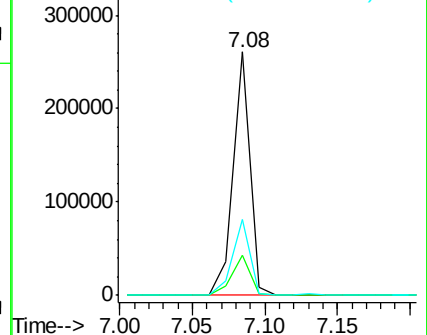
71 31.2 28.4 42.6



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: 0.72 ng

RT: 7.04 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

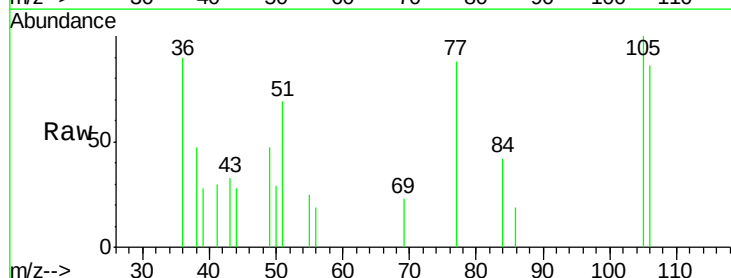
Tgt Ion: 77 Resp: 1916

Ion Ratio Lower Upper

77 100

105 113.5 66.1 106.1#

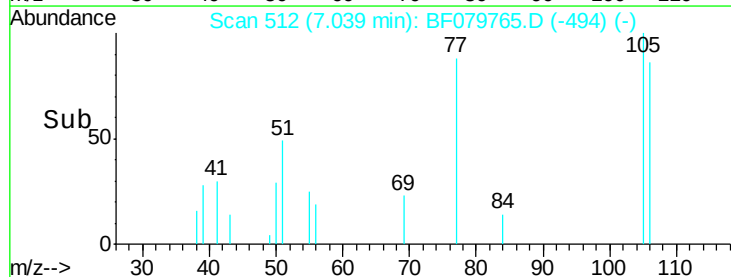
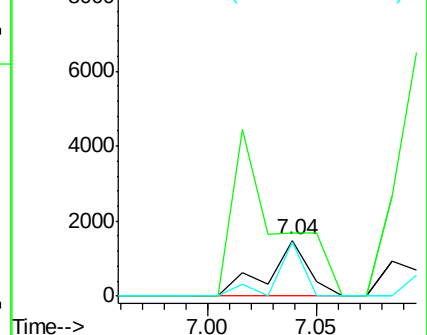
106 97.4 61.9 101.9

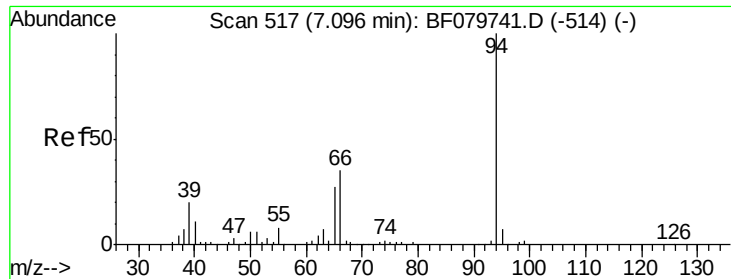


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

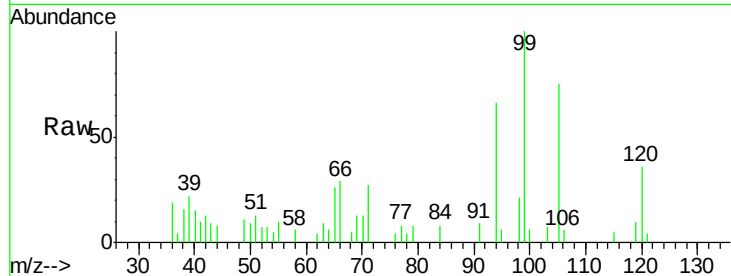




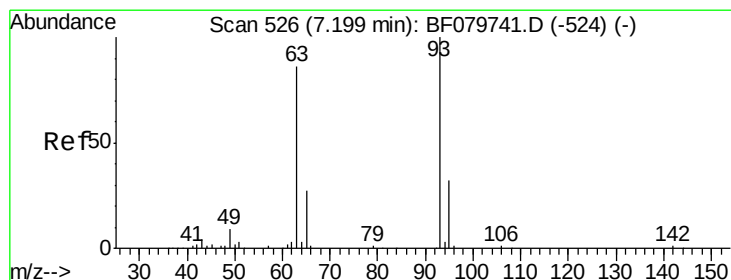
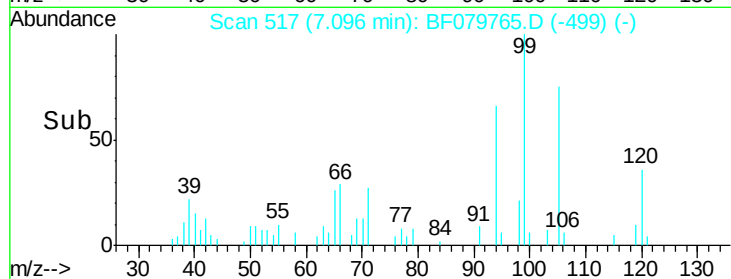
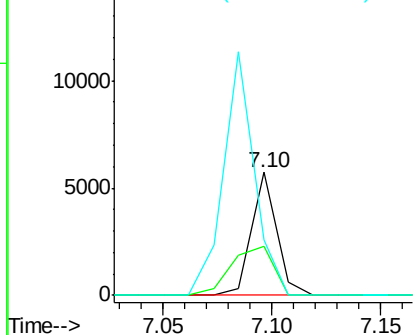
#10
Phenol
Concen: 1.03 ng
RT: 7.10 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

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

Tot Ion: 94 Resp: 4569
Ion Ratio Lower Upper
94 100
65 39.8 5.3 45.3
66 44.5 11.3 51.3

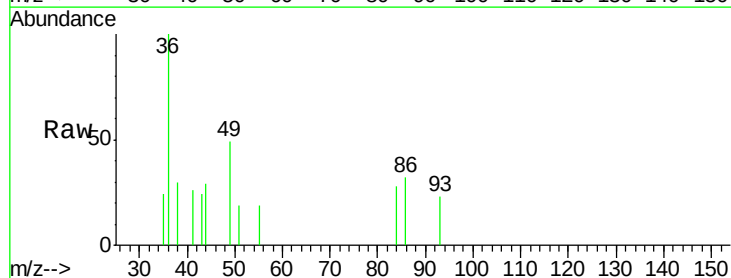


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

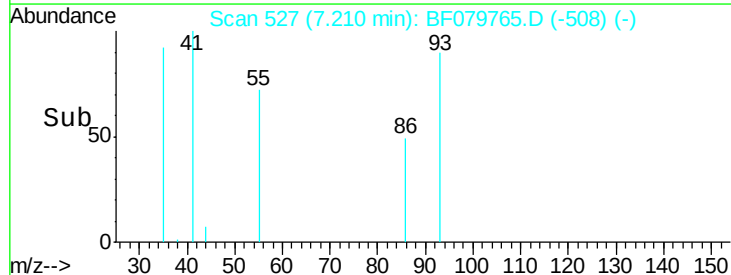
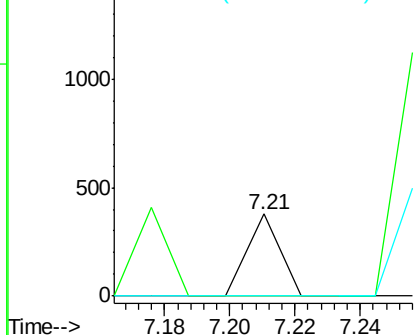


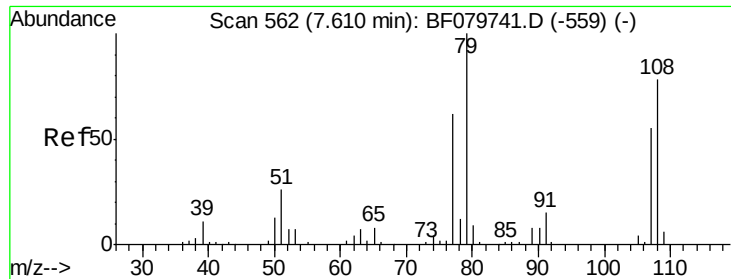
#11
bis(2-Chloroethyl)ether
Concen: 0.07 ng
RT: 7.21 min Scan# 527
Delta R.T. 0.01 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

Tgt Ion: 93 Resp: 259
Ion Ratio Lower Upper
93 100
63 0.0 58.7 98.7#
95 0.0 12.9 52.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 28.42 ng

RT: 7.61 min Scan# 562

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

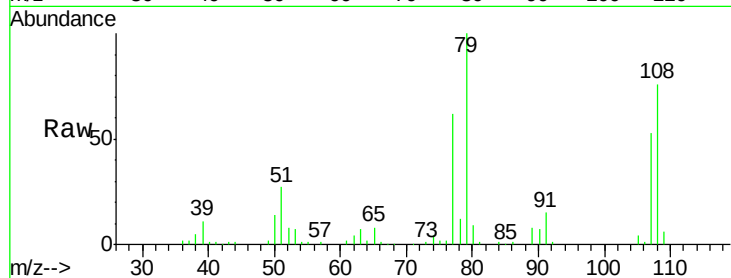
Tot Ion: 79 Resp: 96104

Ion Ratio Lower Upper

79 100

108 76.4 68.4 102.6

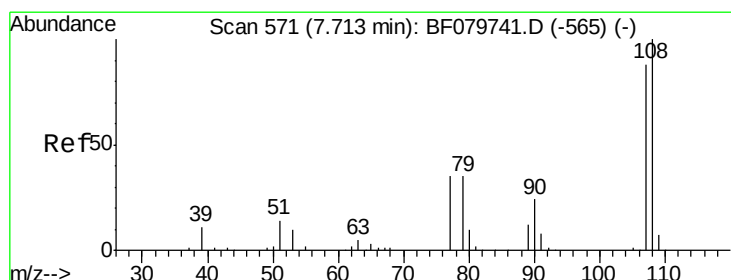
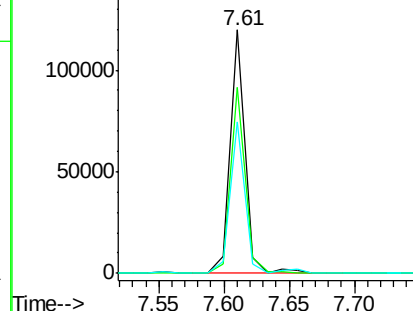
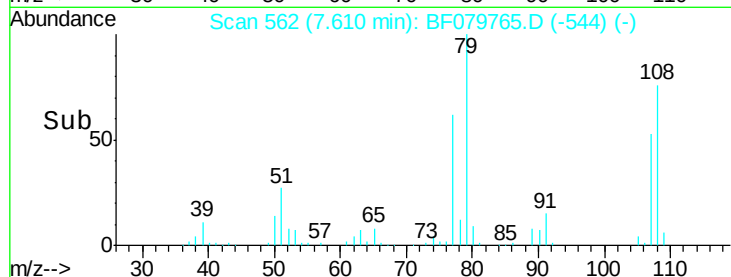
77 62.2 50.0 75.0



Abundance Ion 79.00 (78.70 to 79.70): BF079741.D (-559) (-)

Ion 108.00 (107.70 to 108.70): BF079741.D (-559) (-)

Ion 77.00 (76.70 to 77.70): BF079741.D (-559) (-)



#17

2-Methylphenol

Concen: 15.71 ng

RT: 7.61 min Scan# 562

Delta R.T. -0.10 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Tgt Ion: 107 Resp: 50229

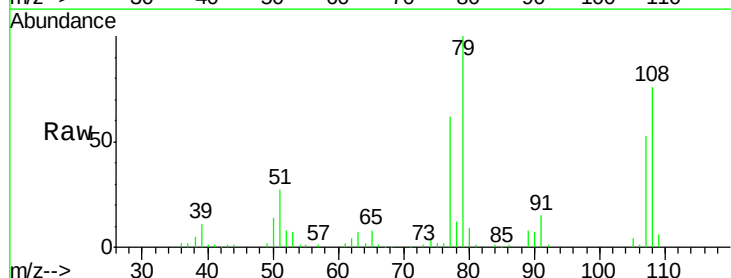
Ion Ratio Lower Upper

107 100

108 143.1 91.8 137.8#

77 116.6 31.4 47.2#

79 187.3 31.3 46.9#

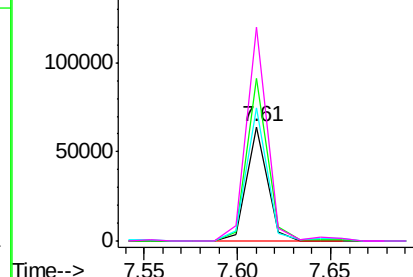
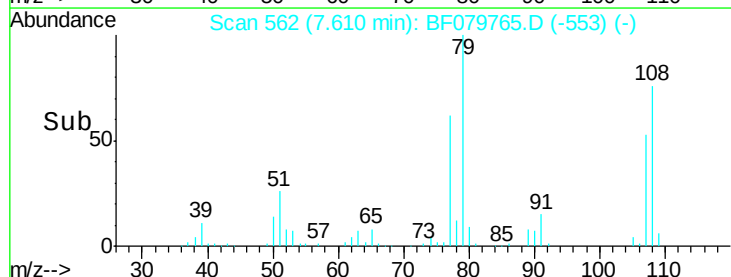


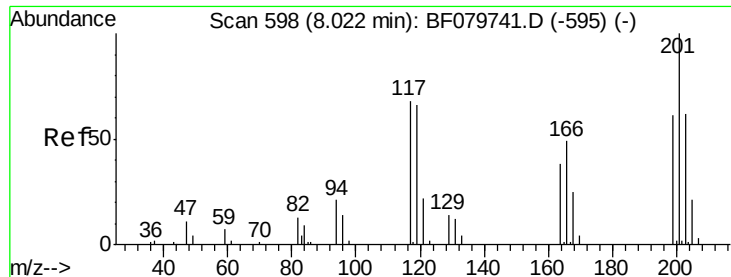
Abundance Ion 107.00 (106.70 to 107.70): BF079741.D (-565) (-)

Ion 108.00 (107.70 to 108.70): BF079741.D (-565) (-)

Ion 77.00 (76.70 to 77.70): BF079741.D (-565) (-)

Ion 79.00 (78.70 to 79.70): BF079741.D (-565) (-)

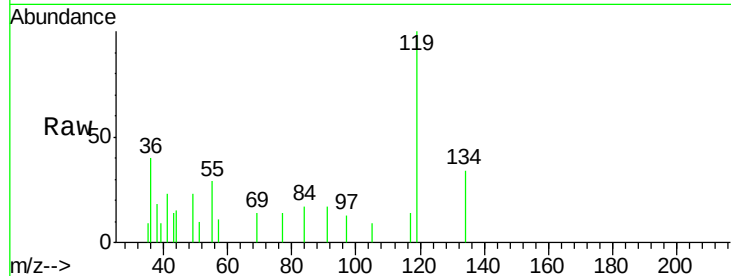




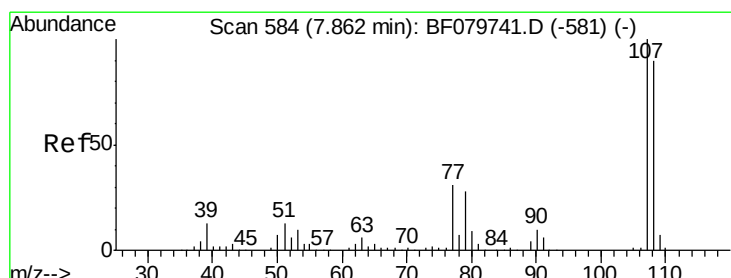
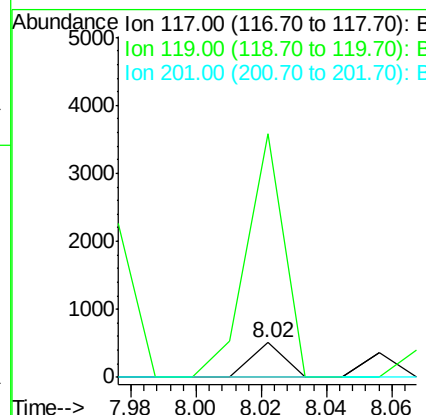
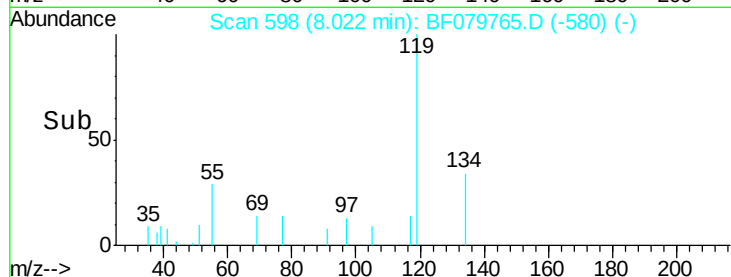
#18
Hexachloroethane
Concen: 0.26 ng
RT: 8.02 min Scan# 598
Delta R.T. 0.00 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

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

Tot Ion:117 Resp: 347
Ion Ratio Lower Upper
117 100
119 707.3 75.5 113.3#
201 0.0 66.4 99.6#

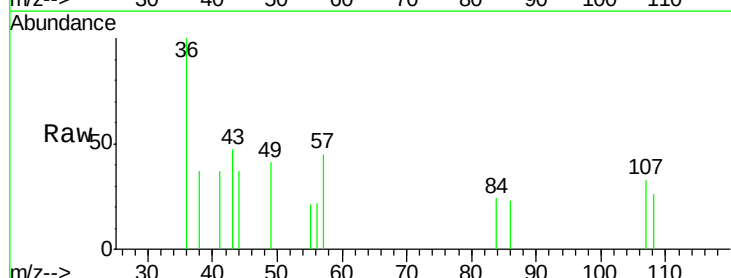


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

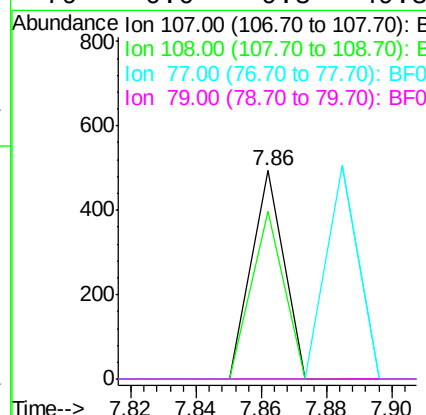
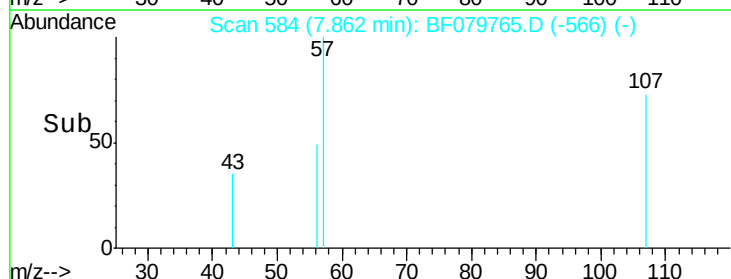


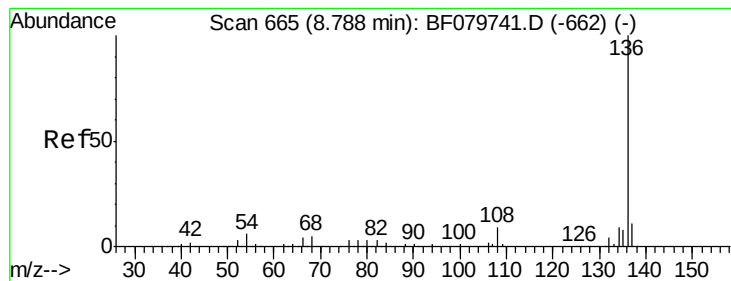
#20
3+4-Methylphenols
Concen: 0.08 ng
RT: 7.86 min Scan# 584
Delta R.T. 0.00 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

Tgt Ion:107 Resp: 339
Ion Ratio Lower Upper
107 100
108 80.8 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: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

Tot Ion:136 Resp: 223107

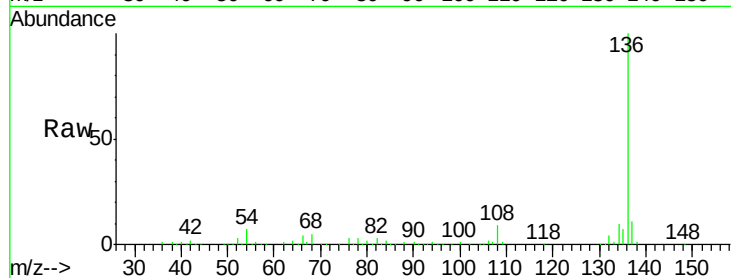
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.7 8.7 13.1#

68 5.2 5.8 8.8#

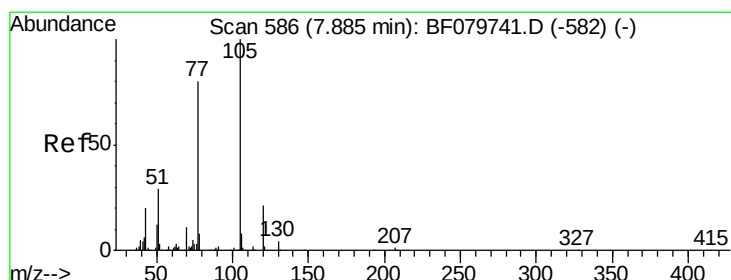
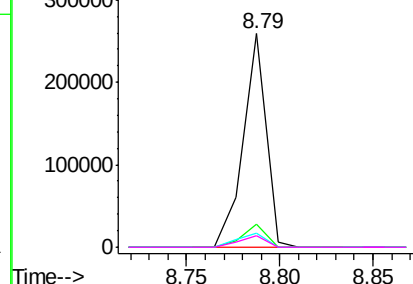
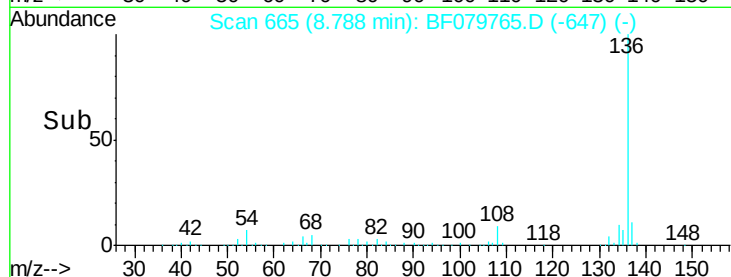


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.23 ng

RT: 7.88 min Scan# 586

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Tgt Ion:105 Resp: 1241

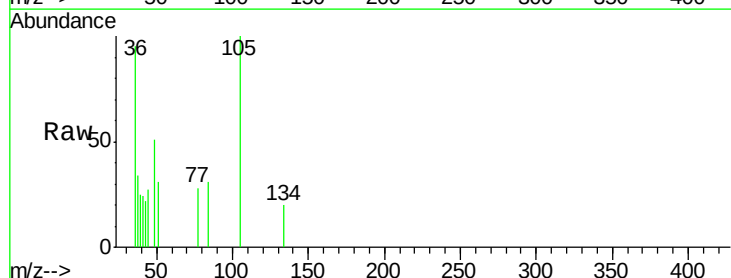
Ion Ratio Lower Upper

105 100

71 0.0 0.9 1.3#

51 30.8 21.3 31.9

120 0.0 17.1 25.7#

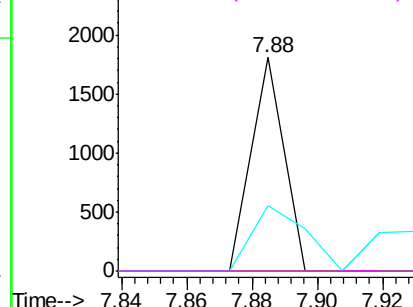
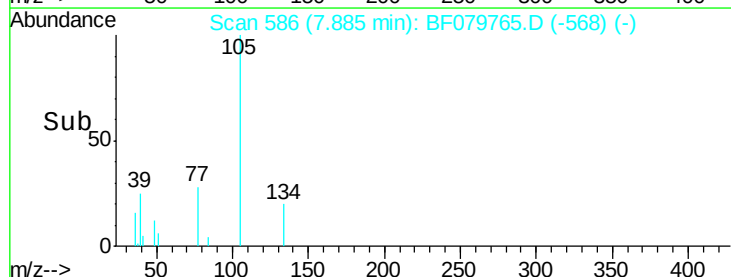


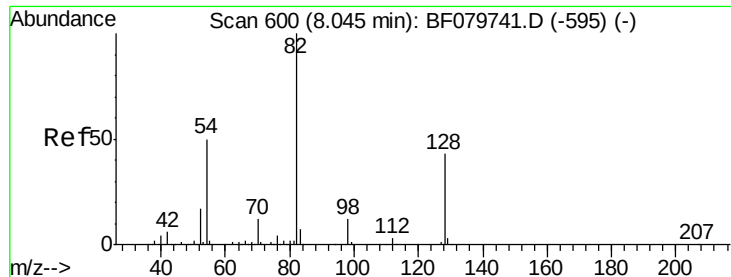
Abundance Ion 105.00 (104.70 to 105.70): E

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

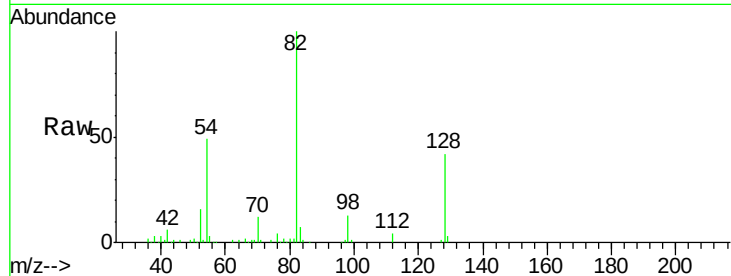




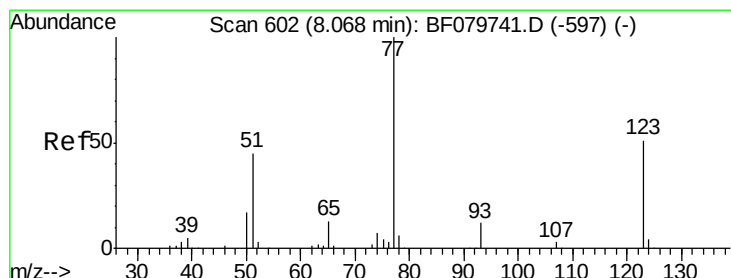
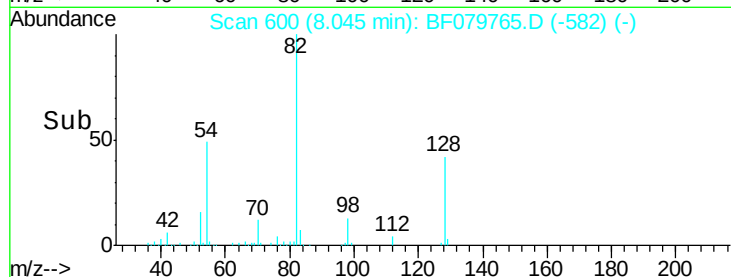
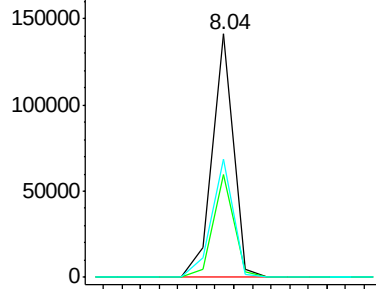
#23
 Nitrobenzene-d5
 Concen: 15.42 ng
 RT: 8.04 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF079765.D
 Acq: 6 Jun 2015 9:49

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

Tot Ion	82	Resp	112064
Ion Ratio	Lower	Upper	
82	100		
128	42.4	37.6	56.4
54	48.8	39.4	59.2

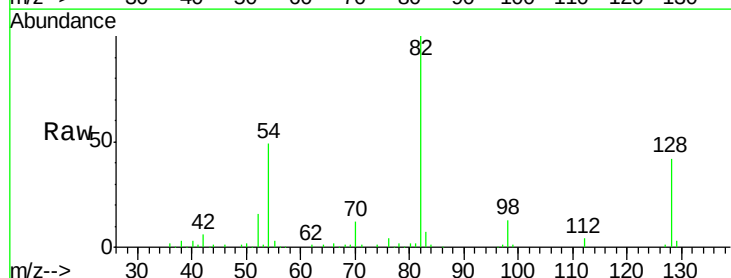


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

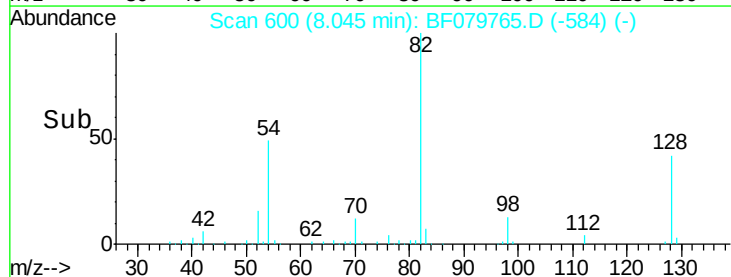
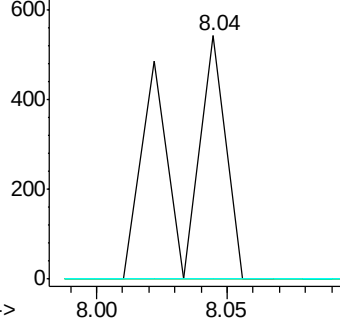


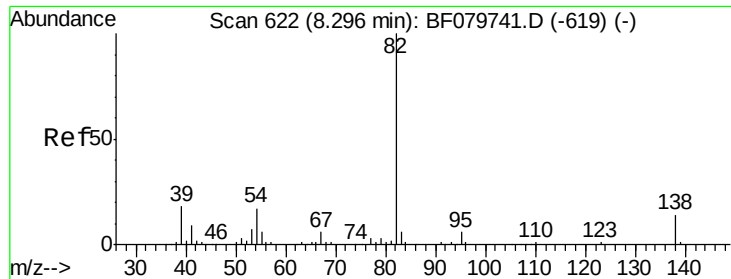
#24
 Nitrobenzene
 Concen: 0.19 ng
 RT: 8.04 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: BF079765.D
 Acq: 6 Jun 2015 9:49

Tgt Ion	77	Resp	704
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): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 0.04 ng

RT: 8.39 min Scan# 630

Delta R.T. 0.09 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

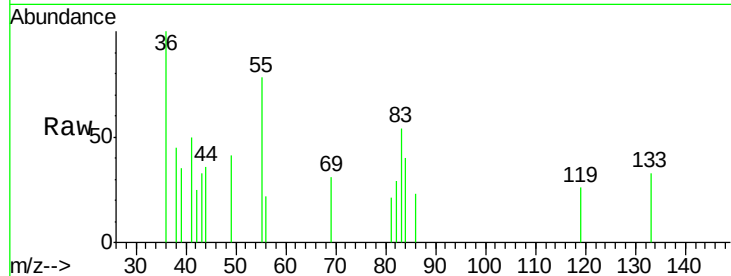
Tot Ion: 82 Resp: 285

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.0 19.4#

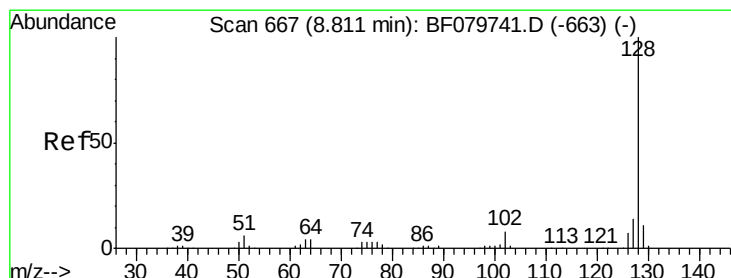
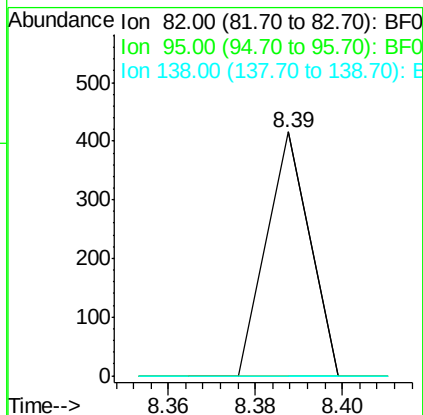
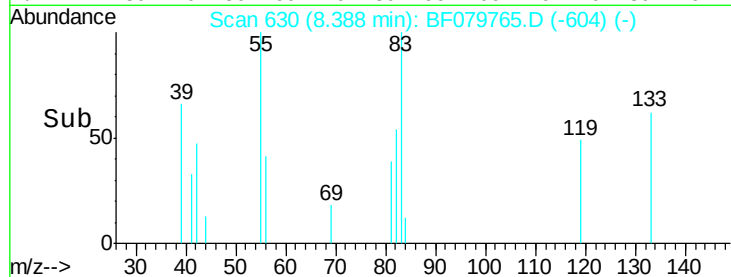


Abundance Ion 82.00 (81.70 to 82.70): BF079741.D (-619) (-)

Ion 95.00 (94.70 to 95.70): BF079741.D (-619) (-)

Ion 138.00 (137.70 to 138.70): BF079741.D (-619) (-)

Time-->



#31

Naphthalene

Concen: 1.25 ng

RT: 8.81 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

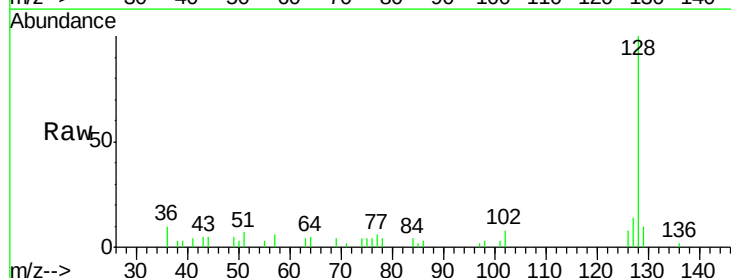
Tgt Ion: 128 Resp: 14671

Ion Ratio Lower Upper

128 100

129 10.1 9.4 14.2

127 14.2 10.7 16.1

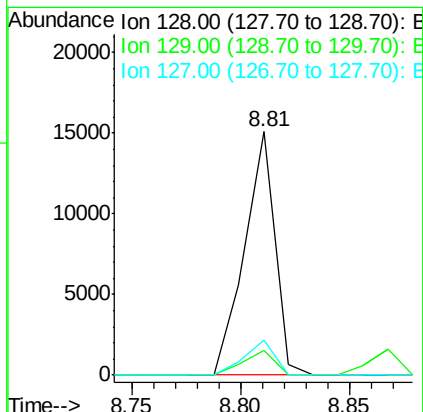
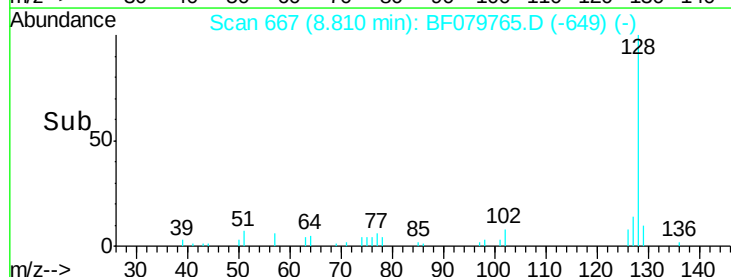


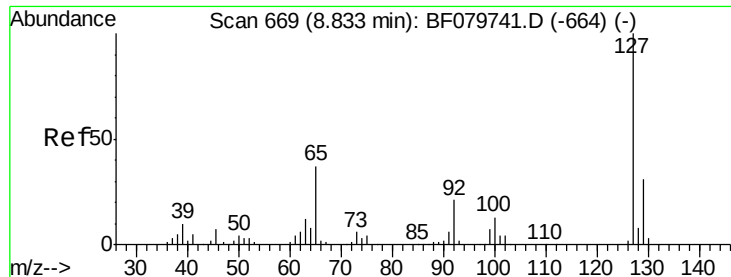
Abundance Ion 128.00 (127.70 to 128.70): BF079741.D (-663) (-)

Ion 129.00 (128.70 to 129.70): BF079741.D (-663) (-)

Ion 127.00 (126.70 to 127.70): BF079741.D (-663) (-)

Time-->

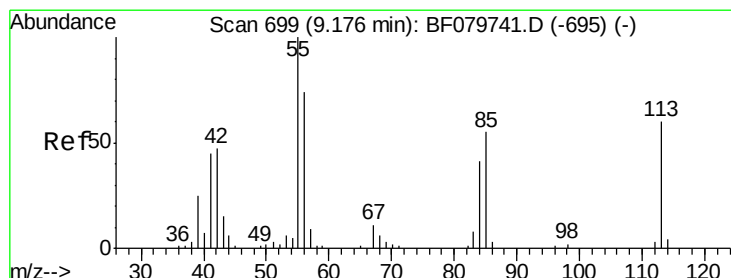
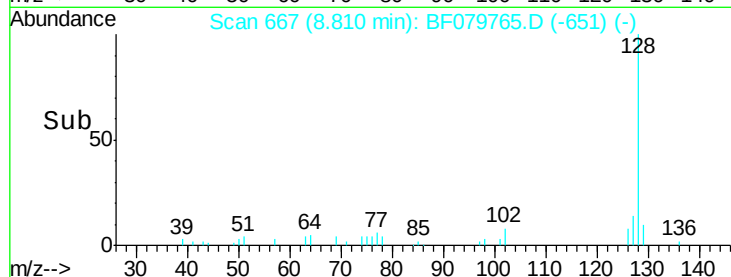
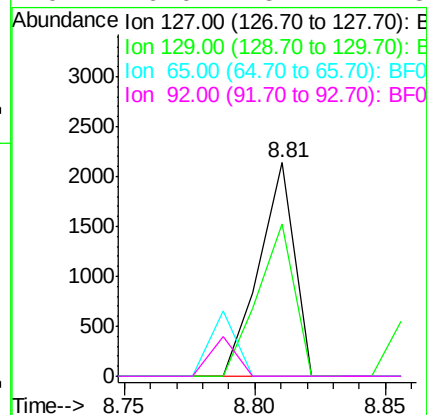
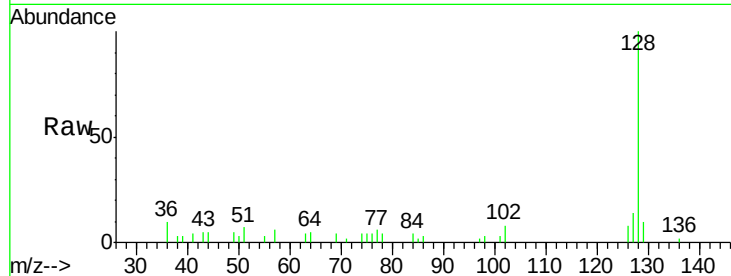




#33
4-Chloroaniline
Concen: 0.34 ng
RT: 8.81 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

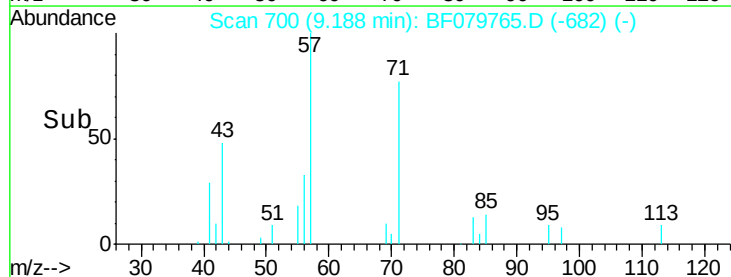
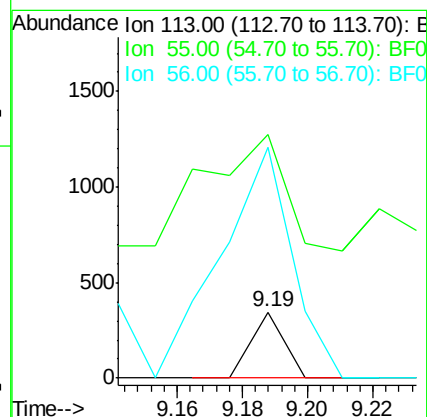
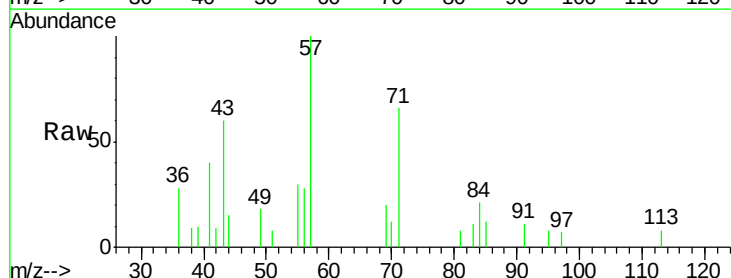
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-A

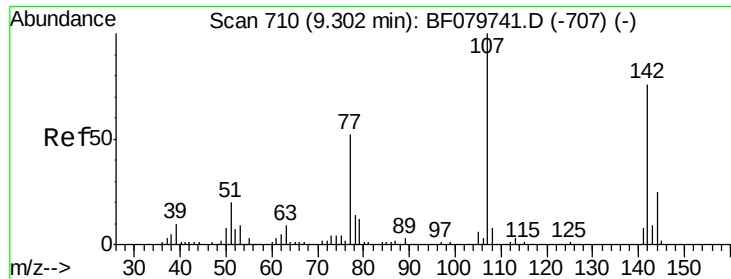
Tot Ion:127	Resp:	2035
Ion Ratio	Lower	Upper
127 100		
129 71.2	26.8	40.2#
65 0.0	22.9	34.3#
92 0.0	15.2	22.8#



#35
Caprolactam
Concen: 0.25 ng
RT: 9.19 min Scan# 700
Delta R.T. 0.00 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

Tgt Ion:113	Resp:	238
Ion Ratio	Lower	Upper
113 100		
55 367.1	186.6	226.6#
56 349.0	137.8	177.8#

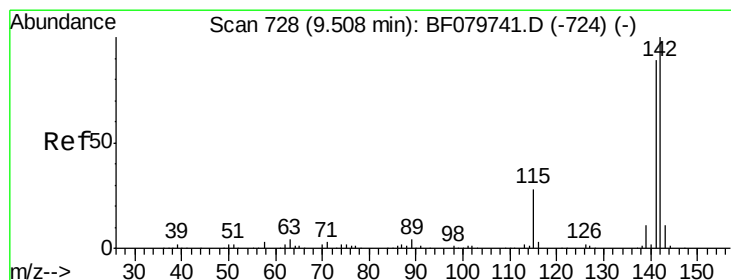
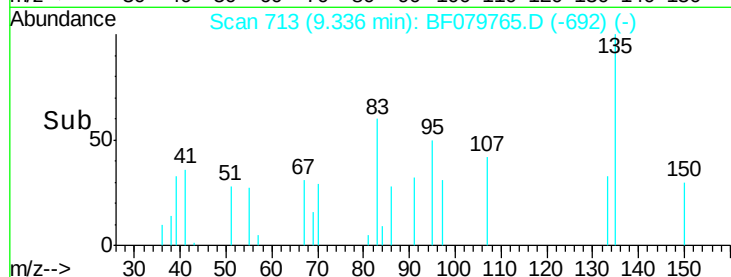
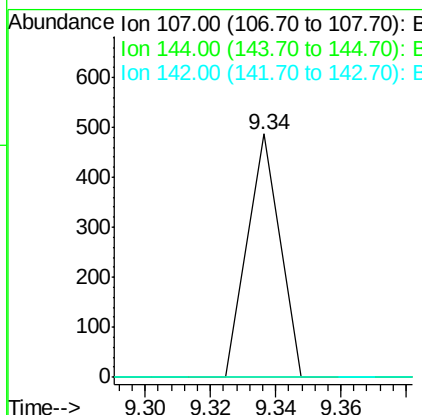
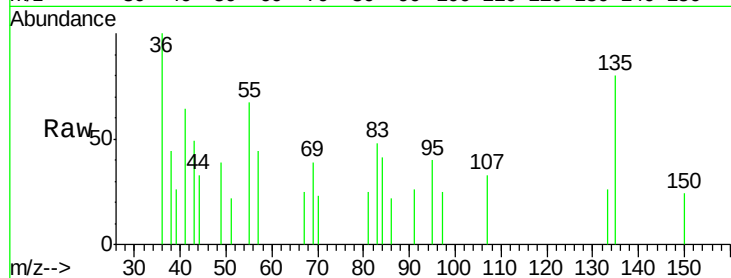




#36
 4-Chloro-3-methylphenol
 Concen: 0.10 ng
 RT: 9.34 min Scan# 713
 Delta R.T. 0.03 min
 Lab File: BF079765.D
 Acq: 6 Jun 2015 9:49

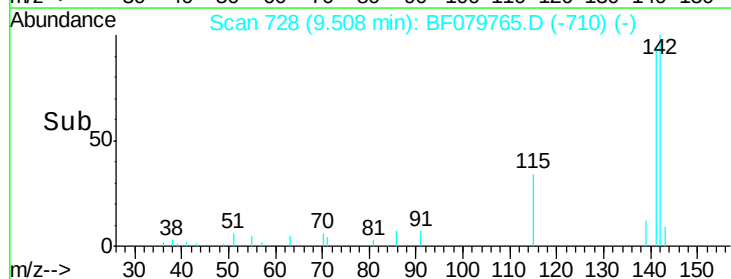
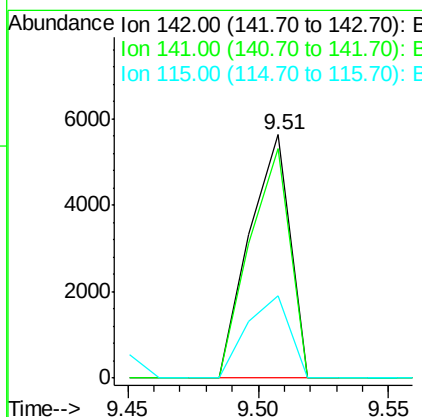
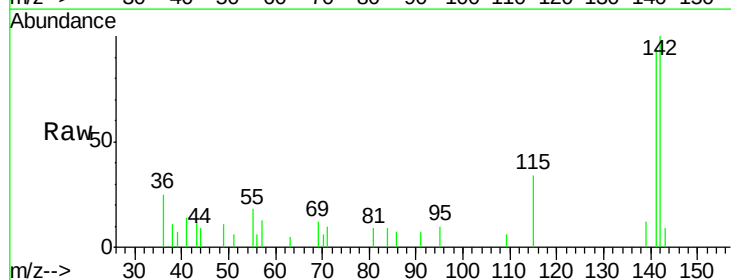
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-A

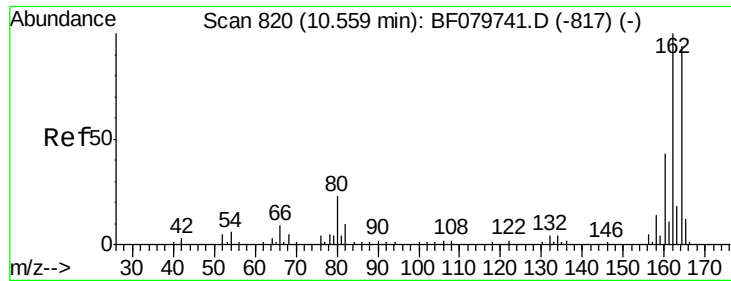
Tot Ion:107 Resp: 334
 Ion Ratio Lower Upper
 107 100
 144 0.0 24.5 36.7#
 142 0.0 74.6 112.0#



#37
 2-Methylnaphthalene
 Concen: 0.82 ng
 RT: 9.51 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: BF079765.D
 Acq: 6 Jun 2015 9:49

Tgt Ion:142 Resp: 6132
 Ion Ratio Lower Upper
 142 100
 141 94.0 72.8 109.2
 115 33.6 26.9 40.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.56 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

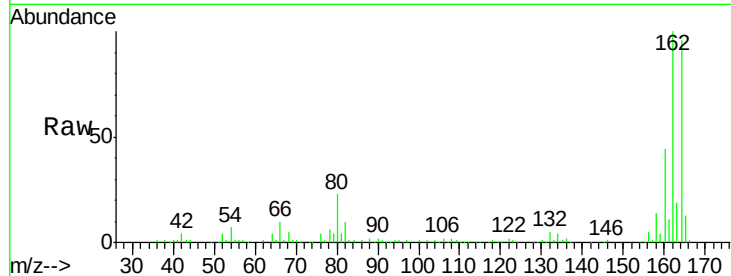
Tot Ion:164 Resp: 112609

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

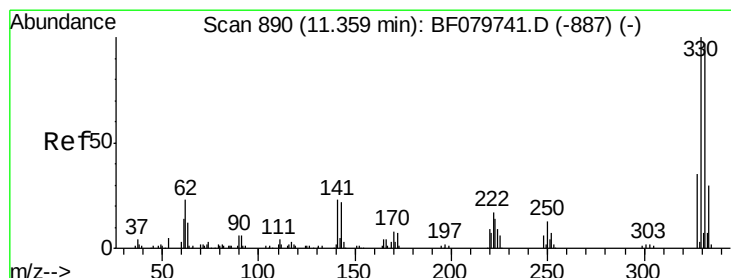
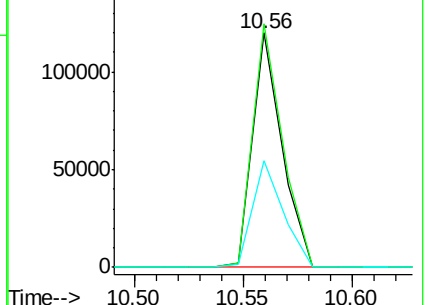
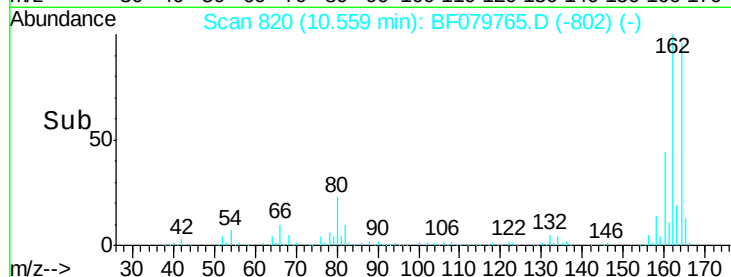
160 45.5 36.8 55.2



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: 1.09 ng

RT: 11.36 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

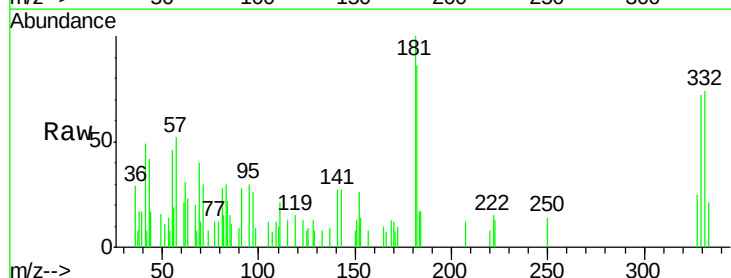
Tgt Ion:330 Resp: 2358

Ion Ratio Lower Upper

330 100

332 106.0 77.4 116.0

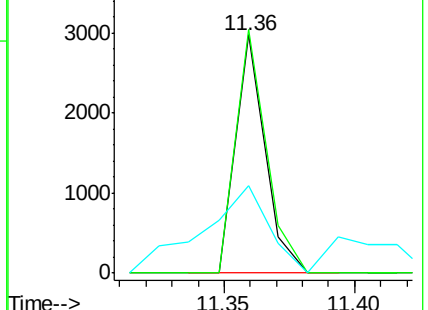
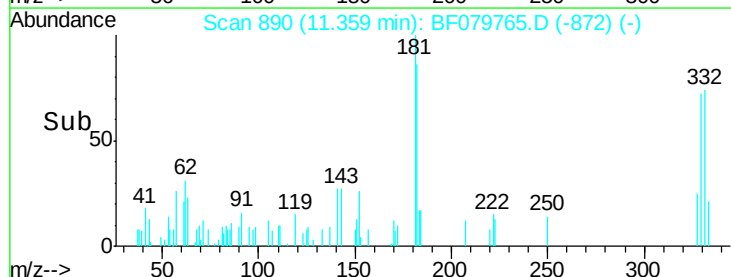
141 83.3 30.2 45.2#

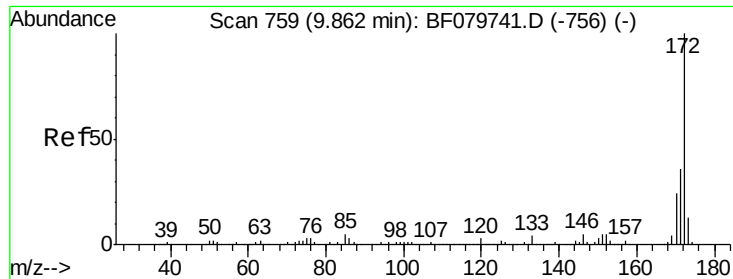


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

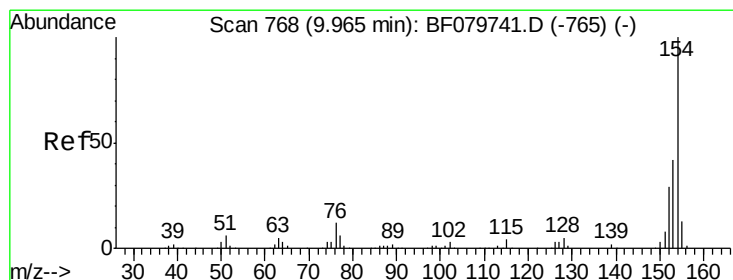
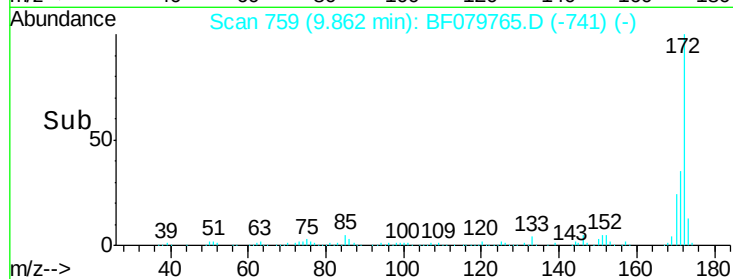
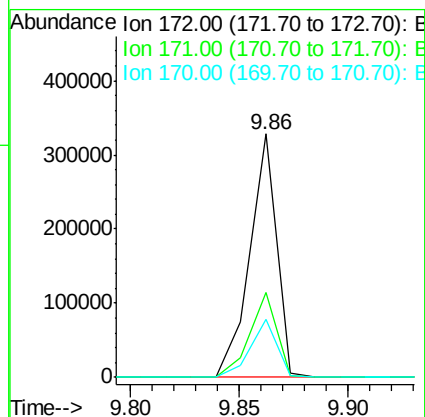
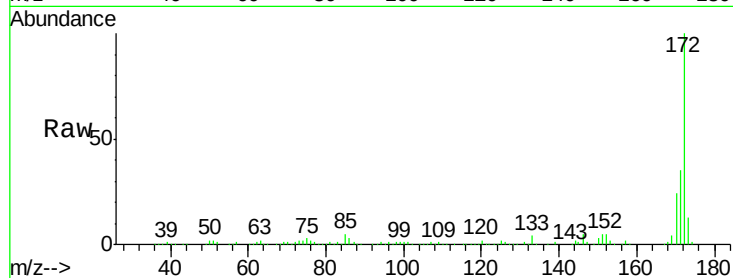




#44
 2-Fluorobiphenyl
 Concen: 16.88 ng
 RT: 9.86 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BF079765.D
 Acq: 6 Jun 2015 9:49

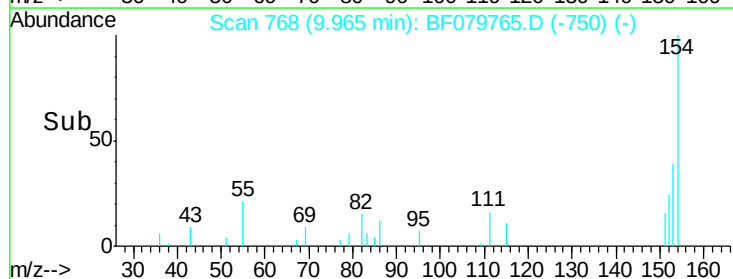
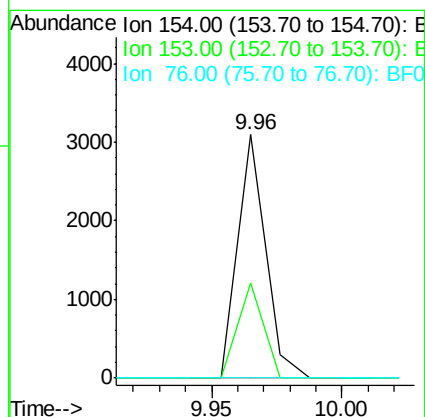
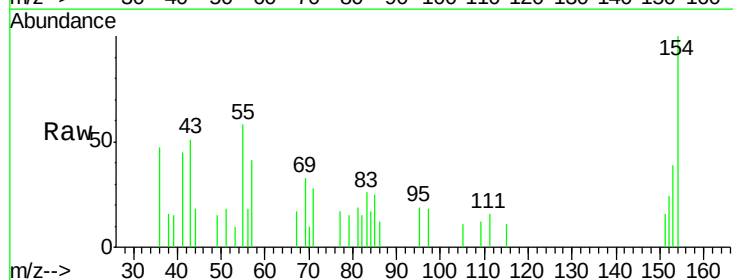
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-A

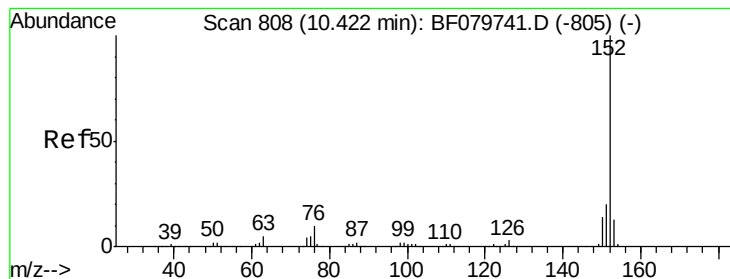
Tot Ion:172 Resp: 280530
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.4 44.0
 170 23.6 19.7 29.5



#45
 1,1'-Biphenyl
 Concen: 0.24 ng
 RT: 9.96 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF079765.D
 Acq: 6 Jun 2015 9:49

Tgt Ion:154 Resp: 2330
 Ion Ratio Lower Upper
 154 100
 153 39.0 19.9 59.9
 76 0.0 0.0 28.2





#48

Acenaphthylene

Concen: 1.04 ng

RT: 10.42 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

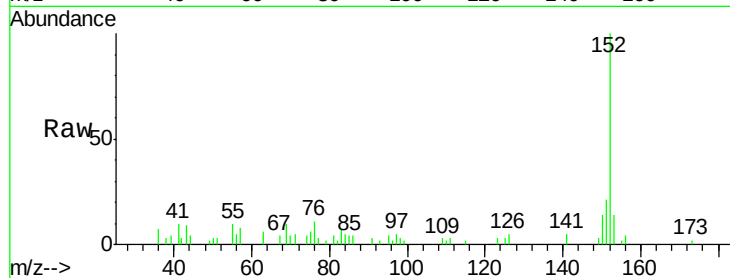
Tot Ion:152 Resp: 13719

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

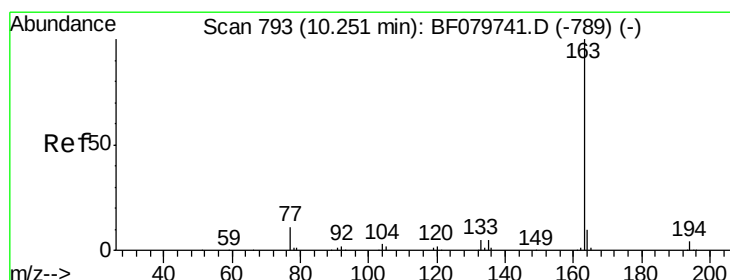
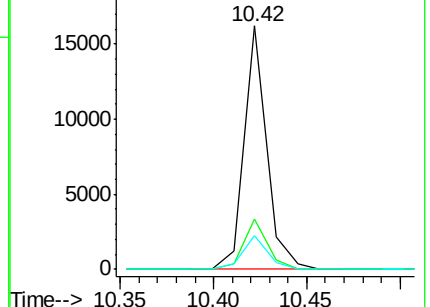
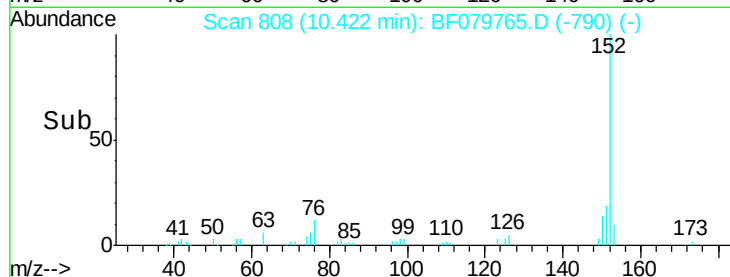
153 13.6 10.4 15.6



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: 6.30 ng

RT: 10.24 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

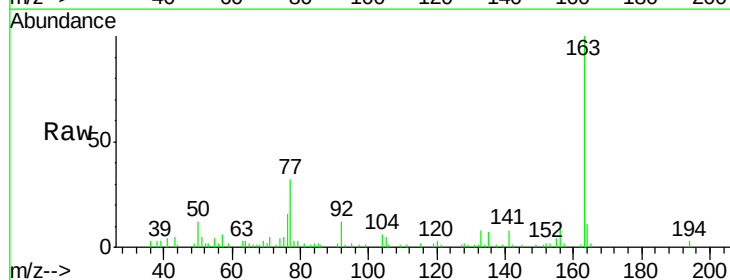
Tgt Ion:163 Resp: 54640

Ion Ratio Lower Upper

163 100

194 3.0 2.6 3.8

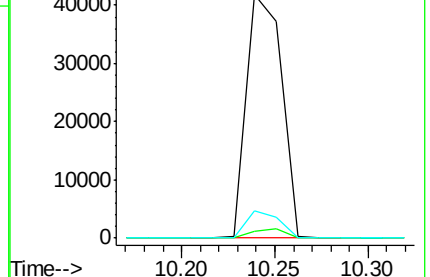
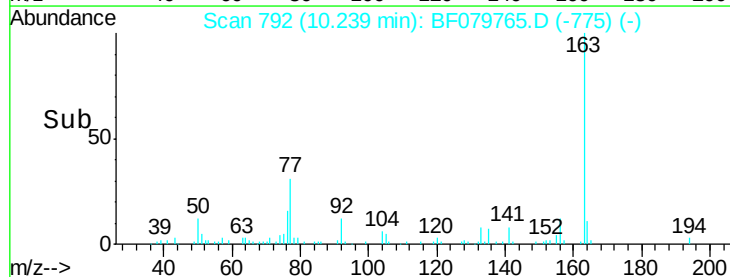
164 11.0 8.5 12.7

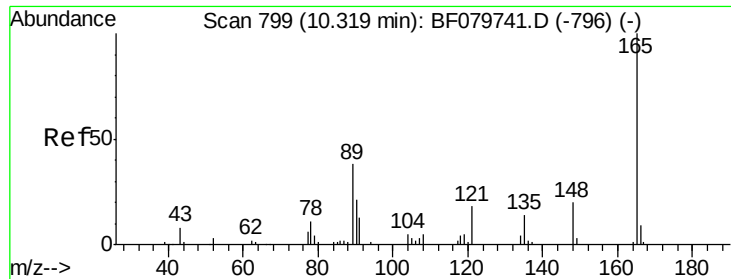


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 1.31 ng

RT: 10.28 min Scan# 796

Delta R.T. -0.03 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

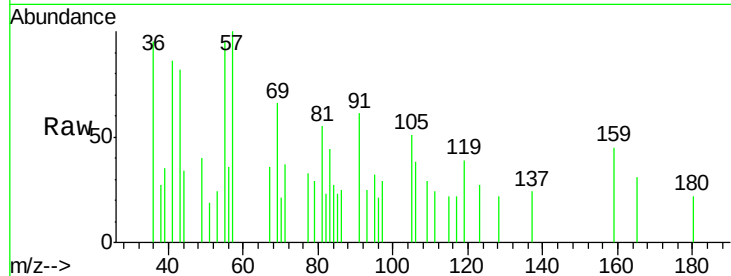
Tot Ion:165 Resp: 339

Ion Ratio Lower Upper

165 100

63 0.0 45.2 67.8#

89 0.0 45.9 68.9#



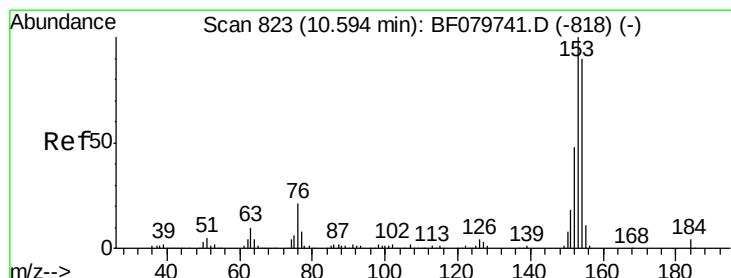
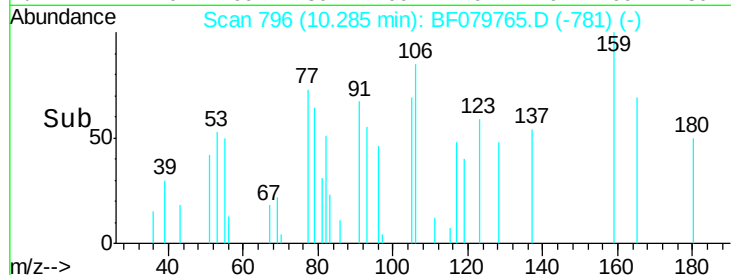
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Time-->

10.26 10.28 10.30



#51

Acenaphthene

Concen: 1.56 ng

RT: 10.59 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

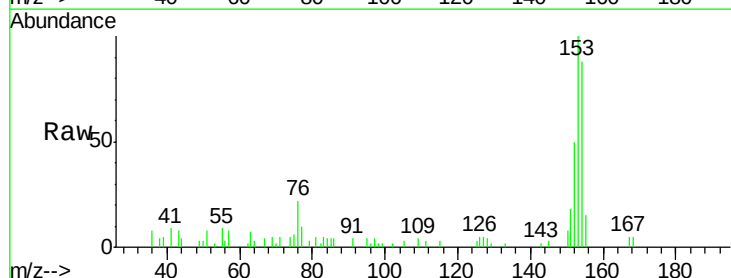
Tgt Ion:154 Resp: 11717

Ion Ratio Lower Upper

154 100

153 113.3 90.1 135.1

152 56.5 43.4 65.0



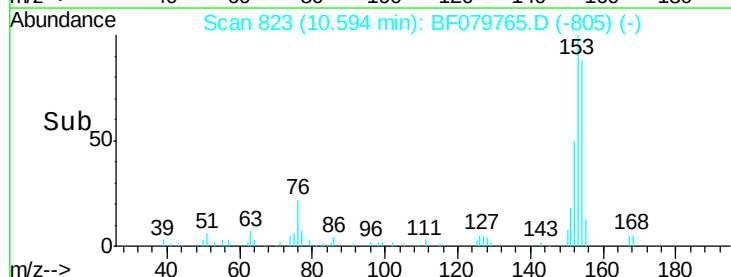
Abundance Ion 154.00 (153.70 to 154.70): E

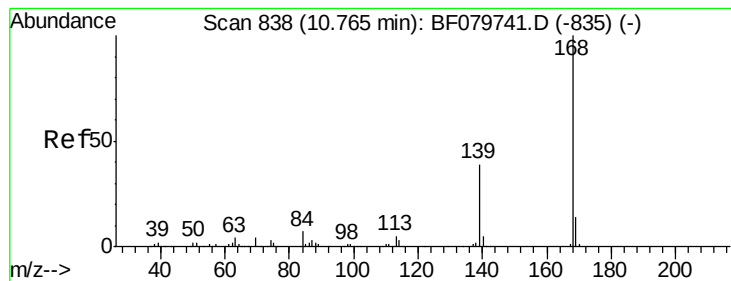
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->

10.50 10.55 10.60 10.65





#54

Dibenzenofuran

Concen: 1.28 ng

RT: 10.76 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

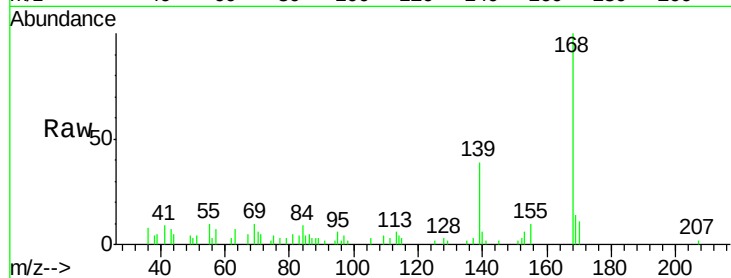
Tot Ion:168 Resp: 13548

Ion Ratio Lower Upper

168 100

139 38.9 27.7 41.5

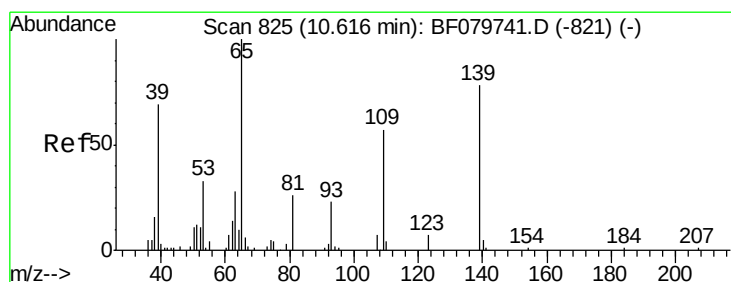
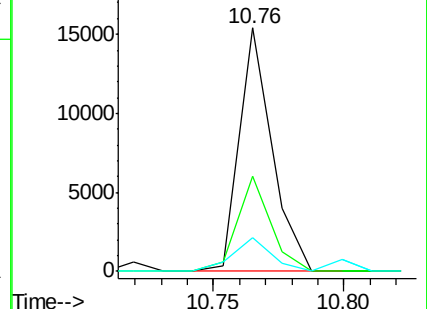
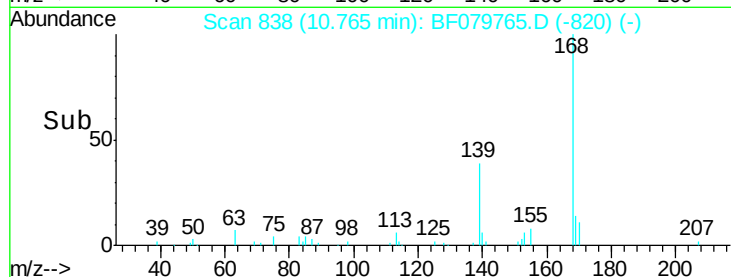
169 14.0 11.0 16.4



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: 3.95 ng

RT: 10.76 min Scan# 838

Delta R.T. 0.14 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

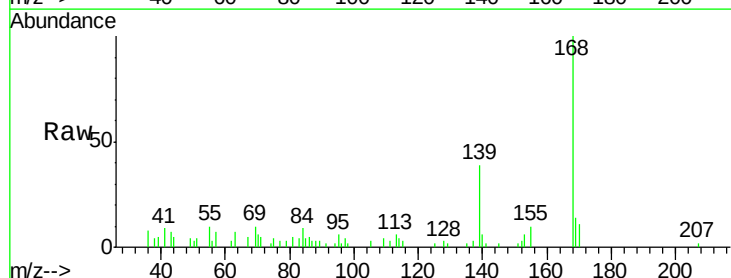
Tgt Ion:139 Resp: 5401

Ion Ratio Lower Upper

139 100

109 10.1 44.2 84.2#

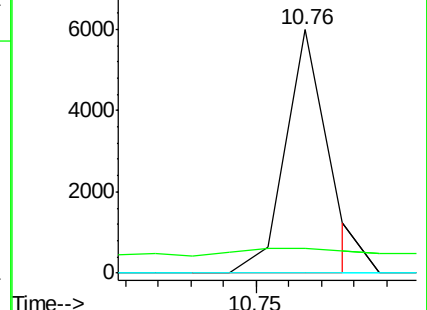
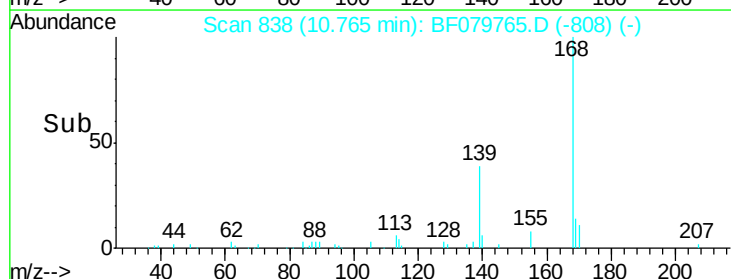
65 0.0 72.3 112.3#

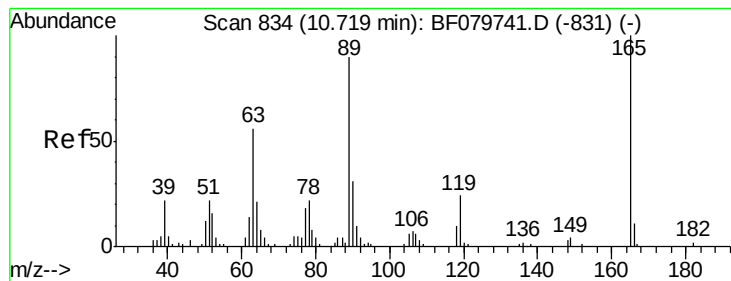


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 11.66 ng

RT: 10.56 min Scan# 820

Delta R.T. -0.16 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

Tot Ion:165 Resp: 14728

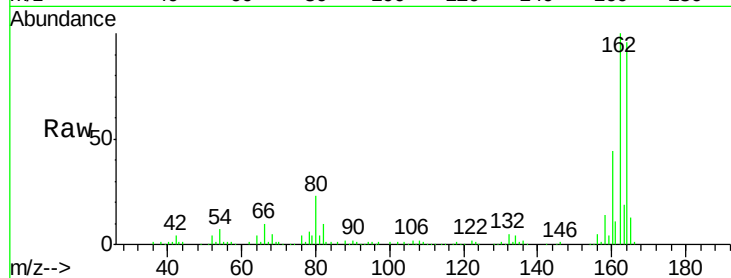
Ion Ratio Lower Upper

165 100

63 0.0 24.7 37.1#

89 2.0 45.7 68.5#

182 0.0 1.8 2.8#

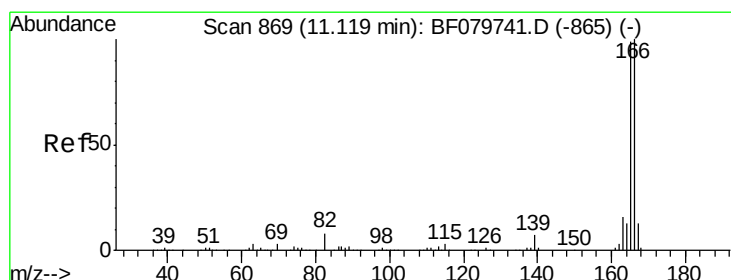
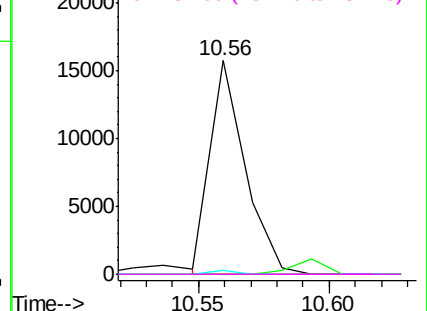
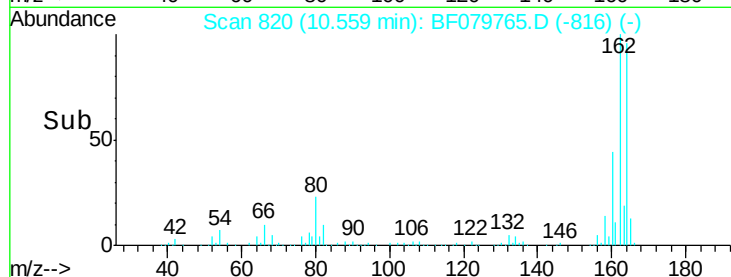


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 1.93 ng

RT: 11.12 min Scan# 869

Delta R.T. 0.00 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

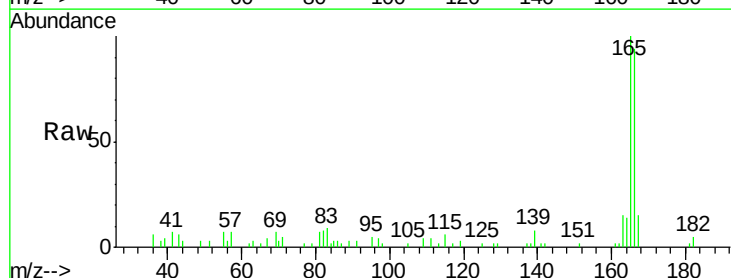
Tgt Ion:166 Resp: 17676

Ion Ratio Lower Upper

166 100

165 105.9 79.4 119.0

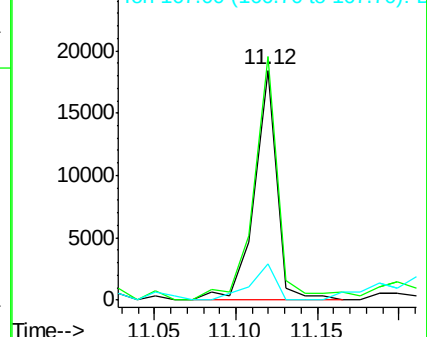
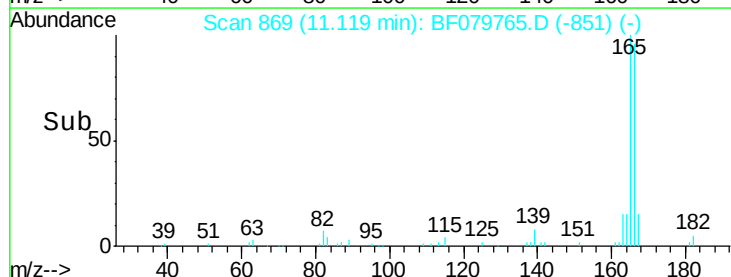
167 15.6 11.0 16.4

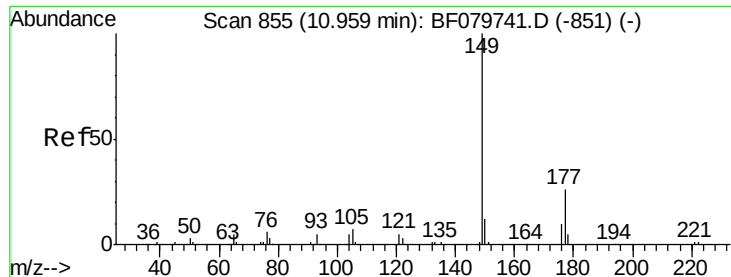


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

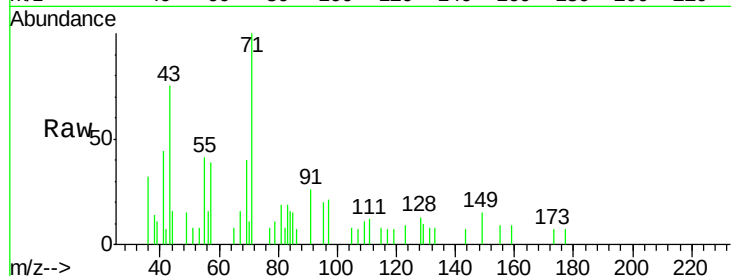




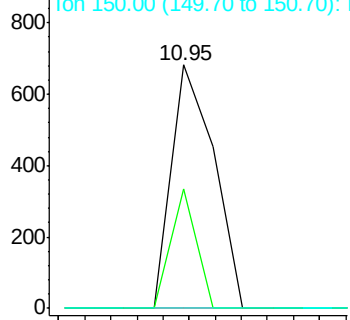
#59
Diethylphthalate
Concen: 0.09 ng
RT: 10.95 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

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

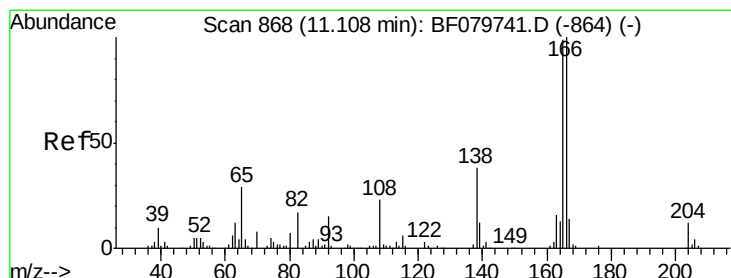
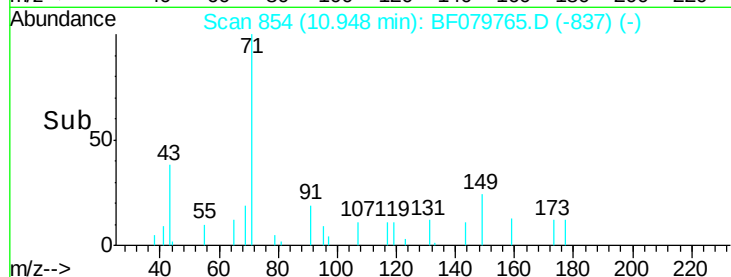
Tot Ion:149 Resp: 780
Ion Ratio Lower Upper
149 100
177 49.1 18.1 27.1#
150 0.0 10.5 15.7#



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

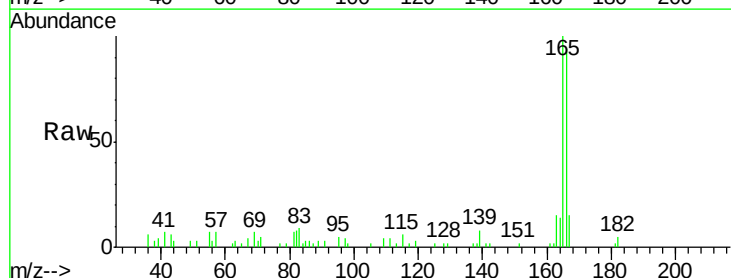


Time--> 10.90 10.95 11.00

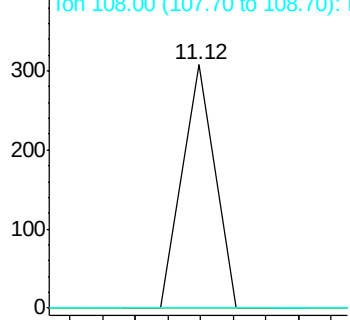


#61
4-Nitroaniline
Concen: Below Cal
RT: 11.12 min Scan# 869
Delta R.T. 0.01 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

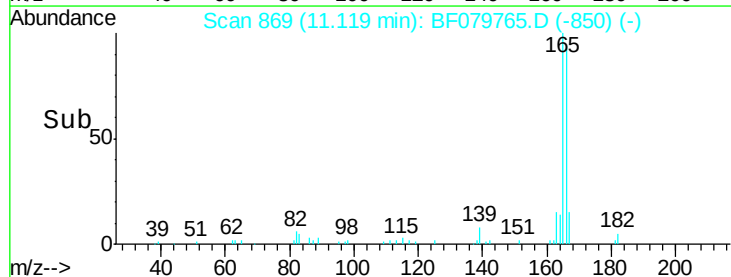
Tgt Ion:138 Resp: 211
Ion Ratio Lower Upper
138 100
92 0.0 38.2 78.2#
108 0.0 53.8 93.8#

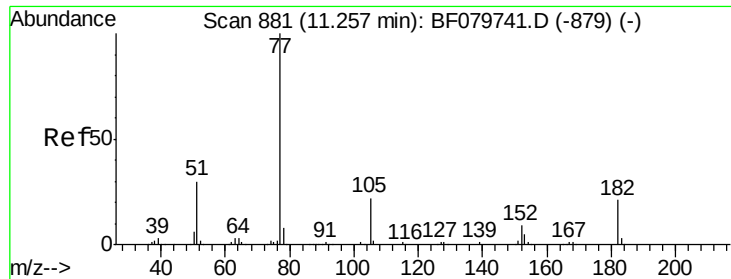


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E



Time--> 11.10 11.15





#62

Azobenzene

Concen: 0.22 ng

RT: 11.27 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

Tot Ion: 77 Resp: 1891

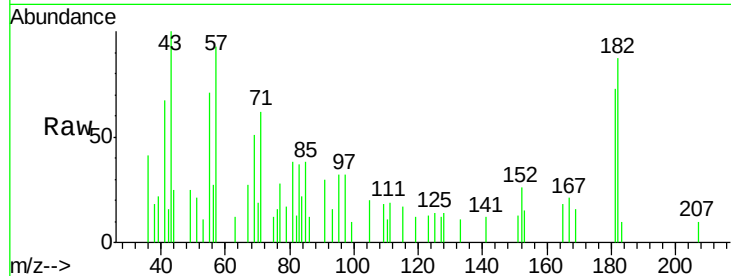
Ion Ratio Lower Upper

77 100

182 316.0 0.0 35.2#

105 72.5 0.0 39.5#

51 77.3 12.4 52.4#

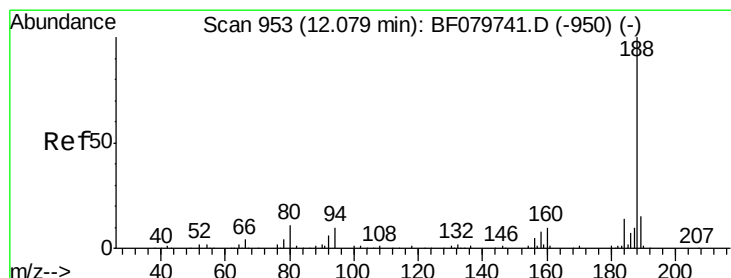
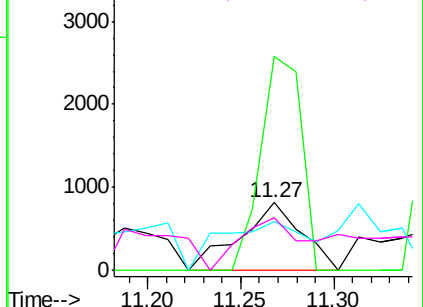
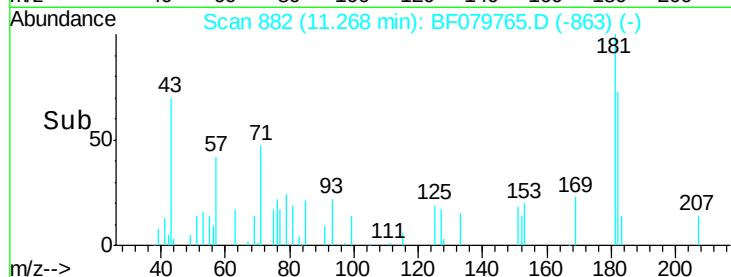


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 12.09 min Scan# 954

Delta R.T. 0.02 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

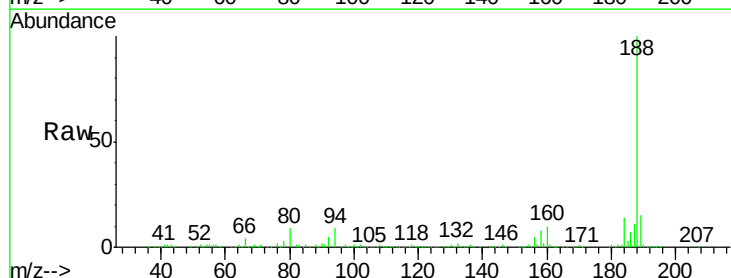
Tgt Ion: 188 Resp: 247324

Ion Ratio Lower Upper

188 100

94 8.9 5.0 7.4#

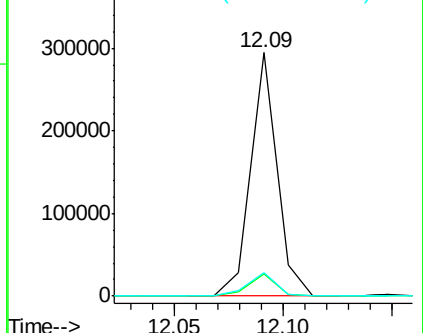
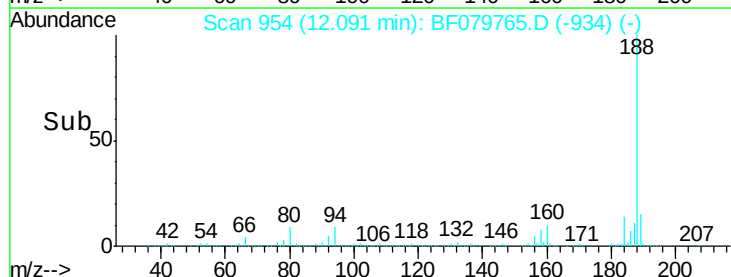
80 9.4 5.3 7.9#

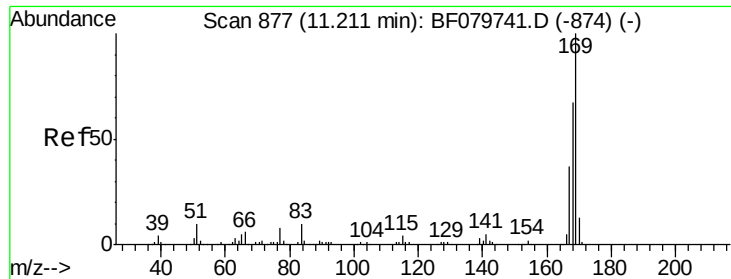


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.38 ng

RT: 11.22 min Scan# 878

Delta R.T. 0.01 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

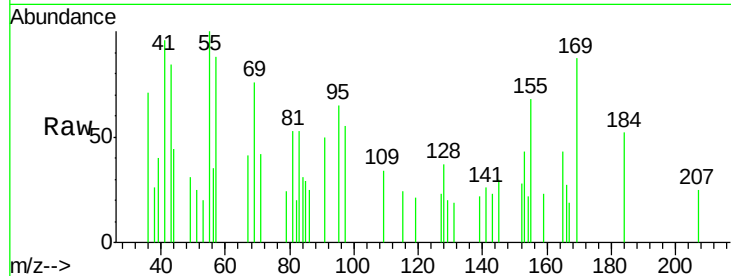
Tot Ion:169 Resp: 3118

Ion Ratio Lower Upper

169 100

168 0.0 54.8 82.2#

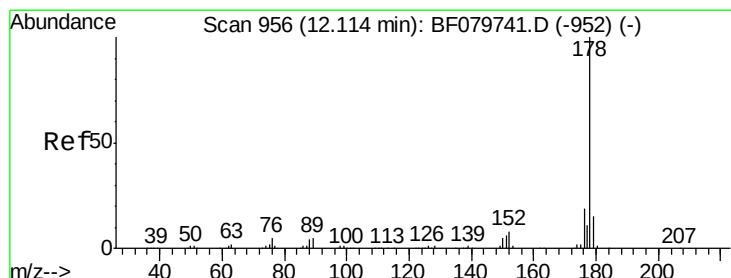
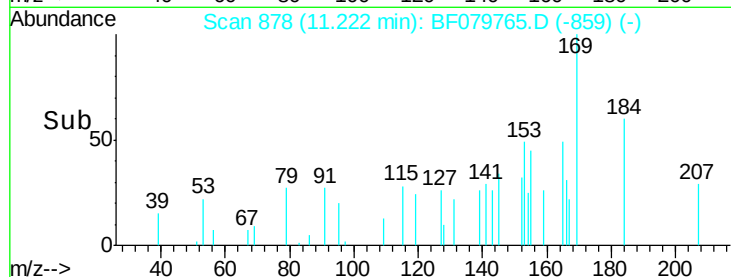
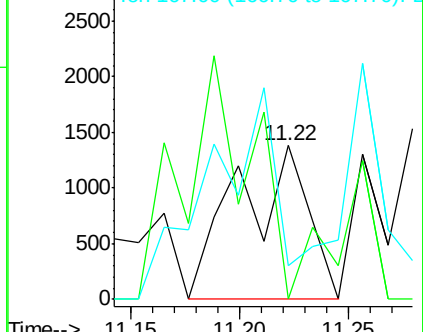
167 22.1 29.7 44.5#



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: 13.19 ng

RT: 12.11 min Scan# 956

Delta R.T. 0.01 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

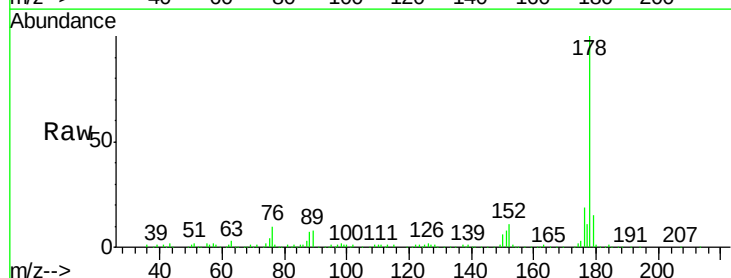
Tgt Ion:178 Resp: 190979

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

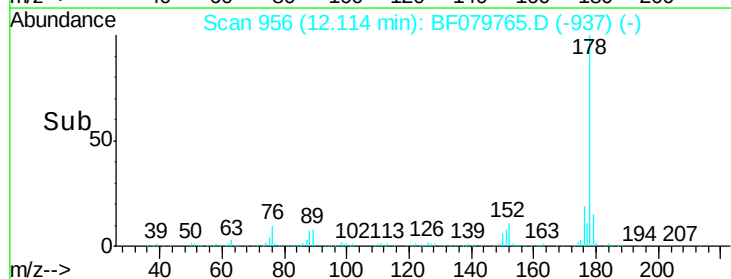
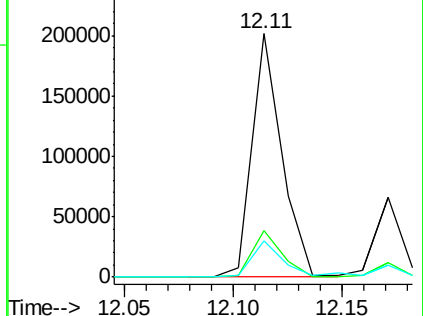
179 15.1 12.6 19.0

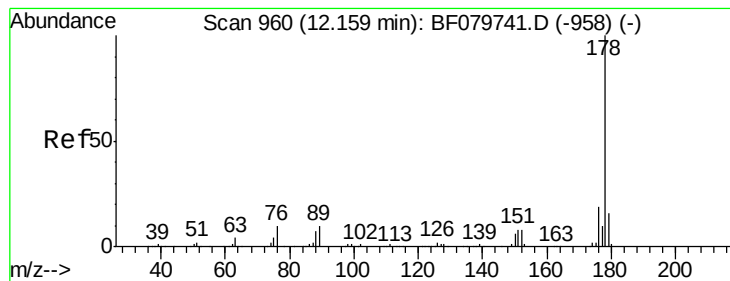


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.96 ng

RT: 12.17 min Scan# 961

Delta R.T. 0.02 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

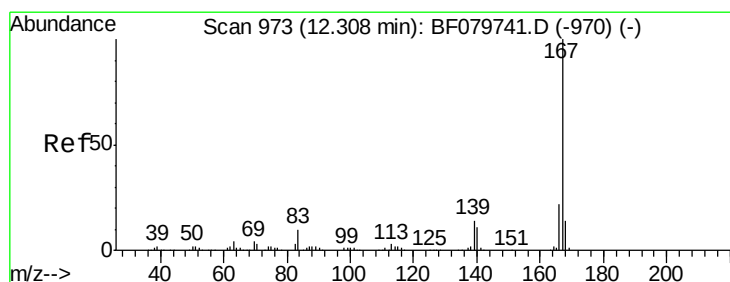
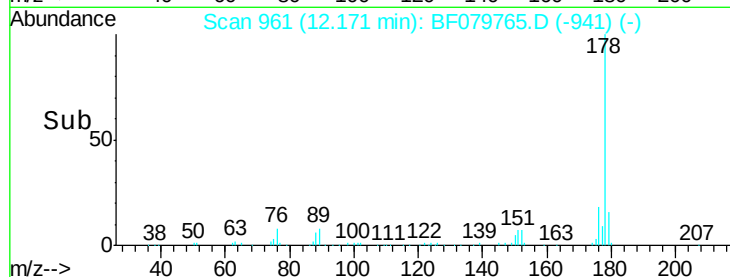
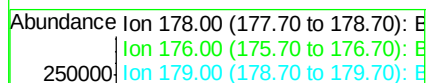
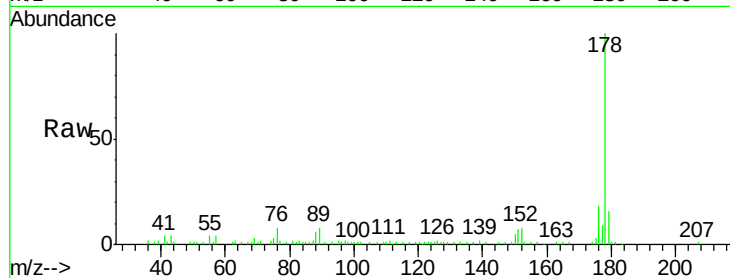
Tot Ion:178 Resp: 56504

Ion Ratio Lower Upper

178 100

176 18.0 14.8 22.2

179 15.6 12.2 18.2



#72

Carbazole

Concen: 1.61 ng

RT: 12.32 min Scan# 974

Delta R.T. 0.02 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

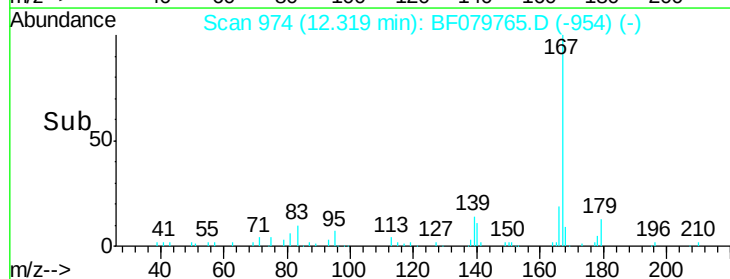
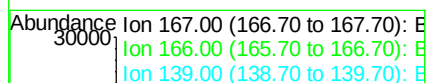
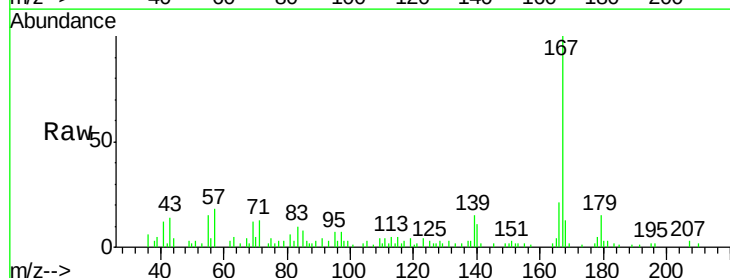
Tgt Ion:167 Resp: 21834

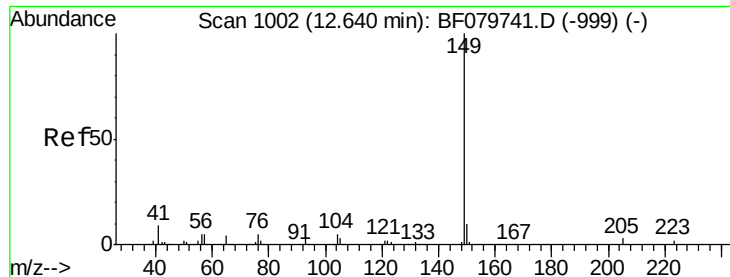
Ion Ratio Lower Upper

167 100

166 20.8 17.7 26.5

139 15.4 9.3 13.9#





#73

Di-n-butylphthalate

Concen: 1.56 ng

RT: 12.66 min Scan# 1004

Delta R.T. 0.05 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

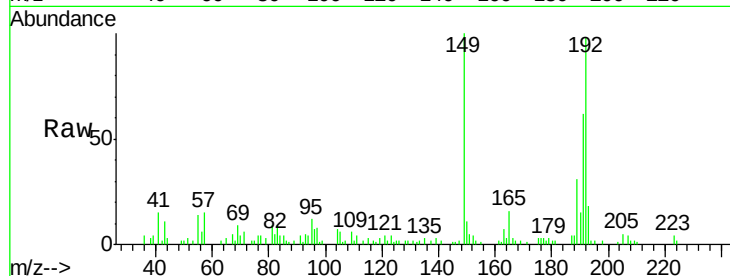
Tot Ion:149 Resp: 23943

Ion Ratio Lower Upper

149 100

150 11.0 9.8 14.8

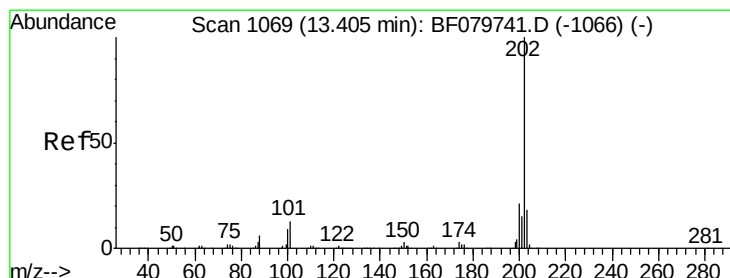
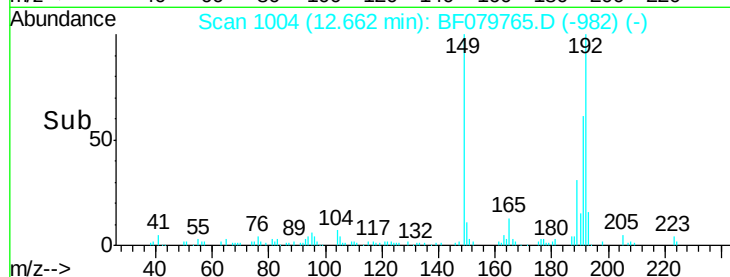
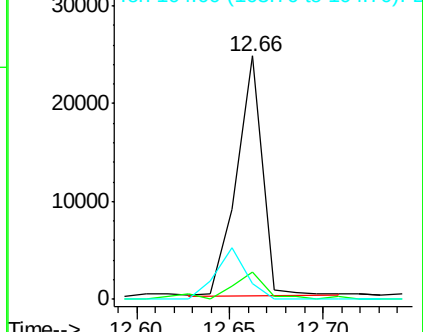
104 6.6 12.9 19.3#



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: 15.21 ng

RT: 13.44 min Scan# 1072

Delta R.T. 0.08 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

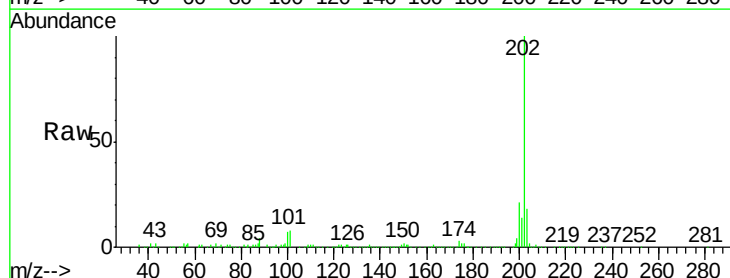
Tgt Ion:202 Resp: 241109

Ion Ratio Lower Upper

202 100

101 8.1 0.0 31.3

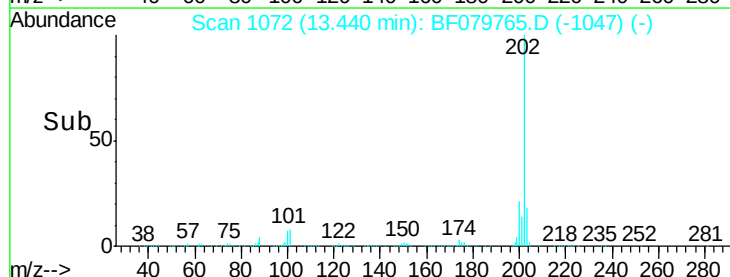
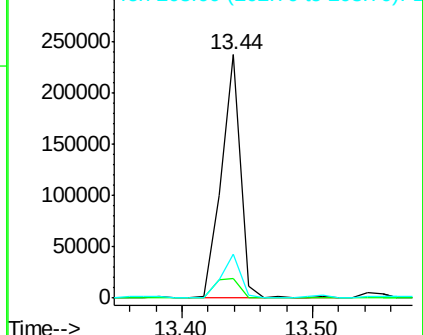
203 17.8 0.0 38.4

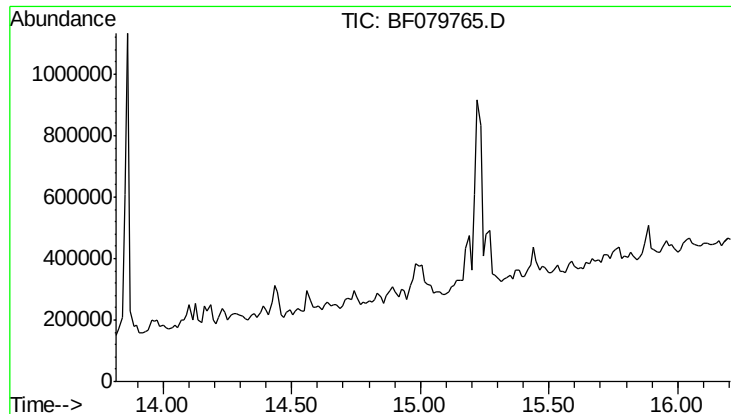


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

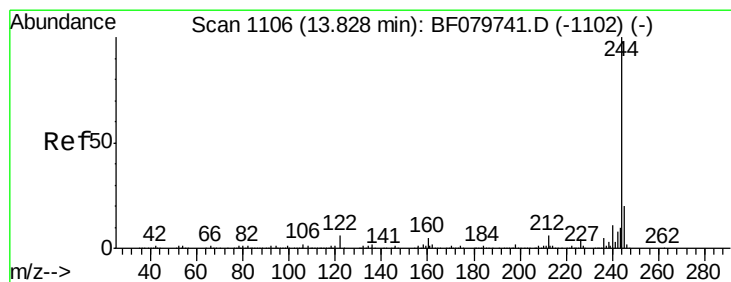
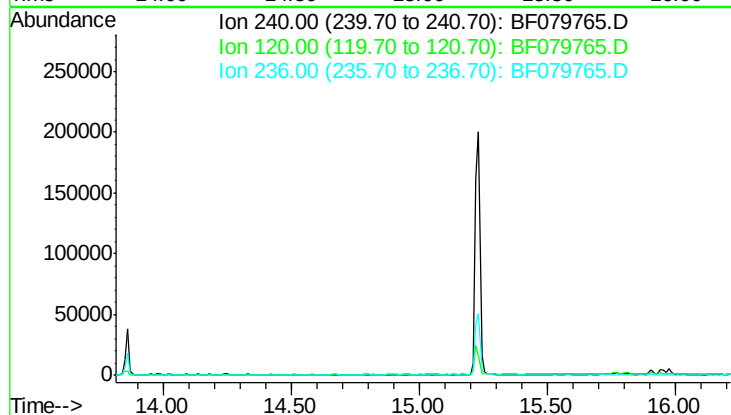




#75
 Chrvsene-d12
 Concen: 0.00 ng
 Expected RT: 15.02 min
 Lab File: BF079765.D
 Acq: 6 Jun 2015 9:49

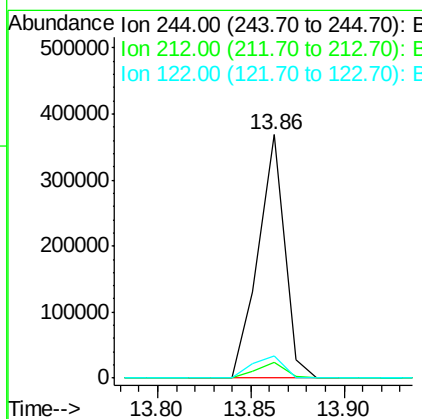
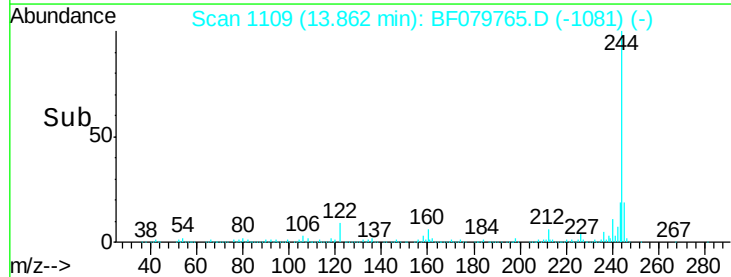
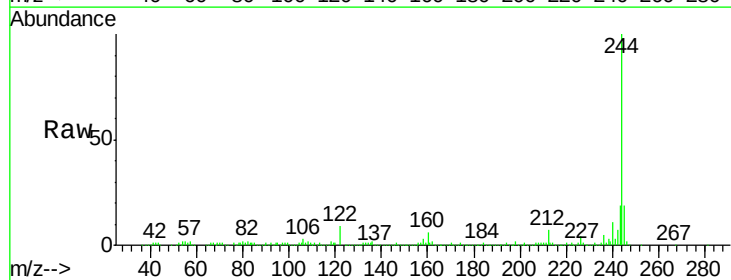
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-A

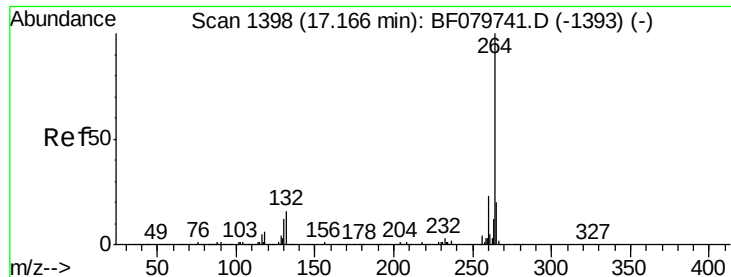
Tot Ion: 240
 Sig Exp Ratio
 240 100
 120 7.7
 236 26.2



#78
 Terphenyl-d14
 Concen: 0.00 ng
 RT: 13.86 min Scan# 1109
 Delta R.T. 0.11 min
 Lab File: BF079765.D
 Acq: 6 Jun 2015 9:49

Tgt Ion: 244 Resp: 364126
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.1 9.1
 122 8.9 9.3 13.9#

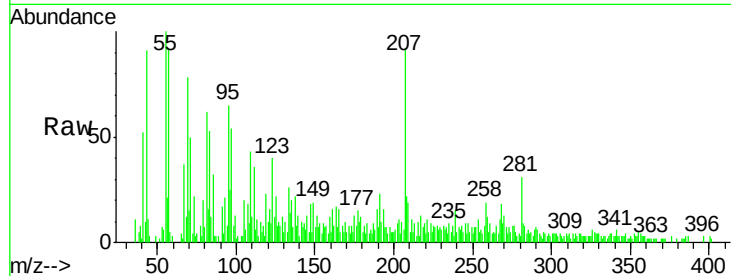




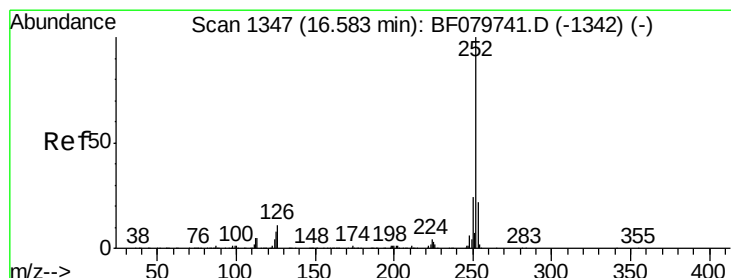
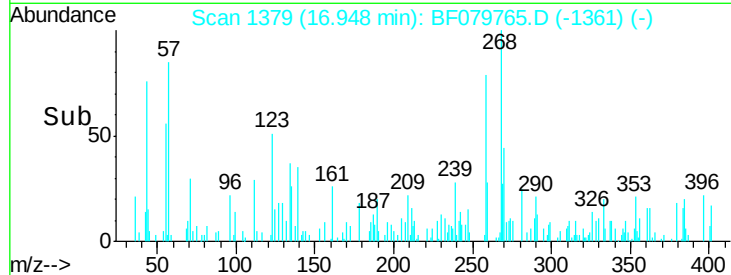
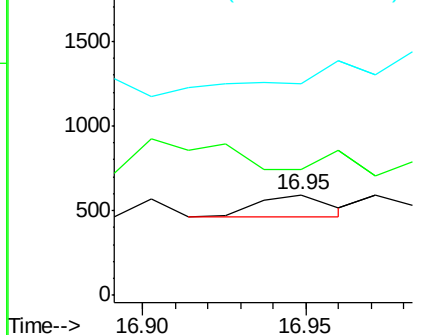
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.95 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

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

Tot Ion:264 Resp: 188
Ion Ratio Lower Upper
264 100
260 125.0 18.6 27.8#
265 210.5 18.2 27.4#

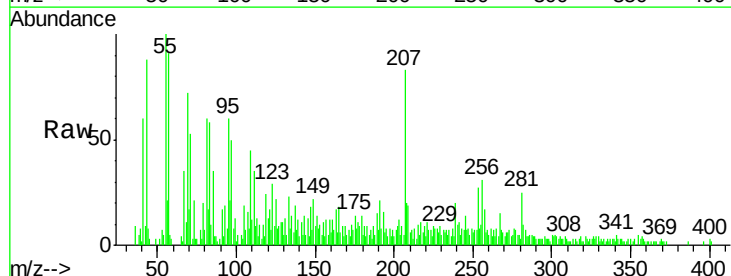


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

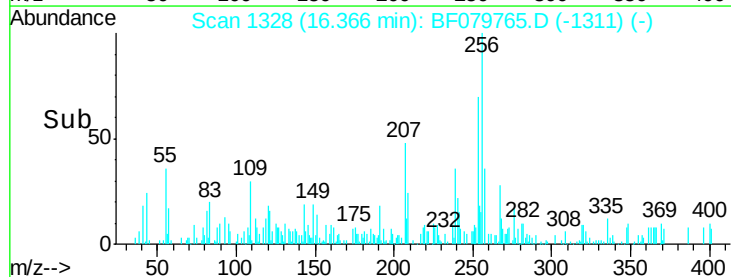
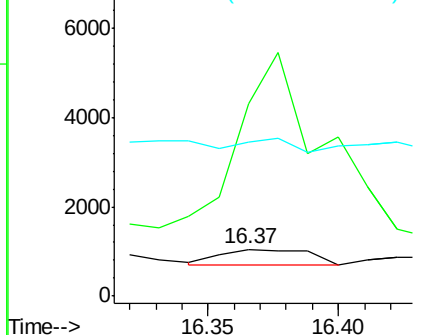


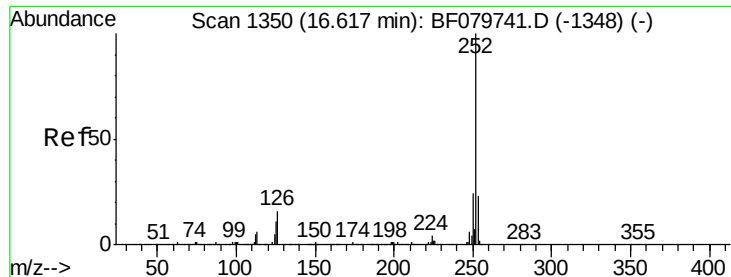
#87
Benzo(b)fluoranthene
Concen: 72.27 ng
RT: 16.37 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF079765.D
Acq: 6 Jun 2015 9:49

Tgt Ion:252 Resp: 844
Ion Ratio Lower Upper
252 100
253 410.3 17.4 26.2#
125 329.6 6.5 9.7#



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: 75.35 ng

RT: 16.37 min Scan# 1328

Delta R.T. -0.05 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

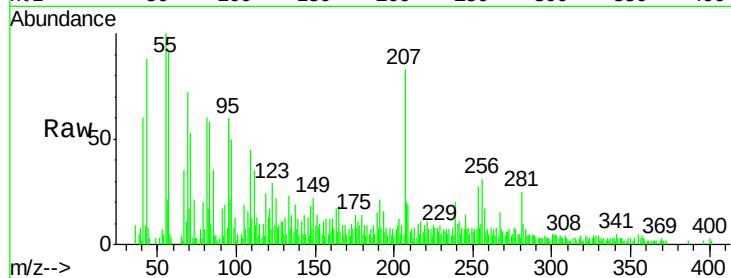
Tot Ion:252 Resp: 844

Ion Ratio Lower Upper

252 100

253 410.3 17.8 26.8#

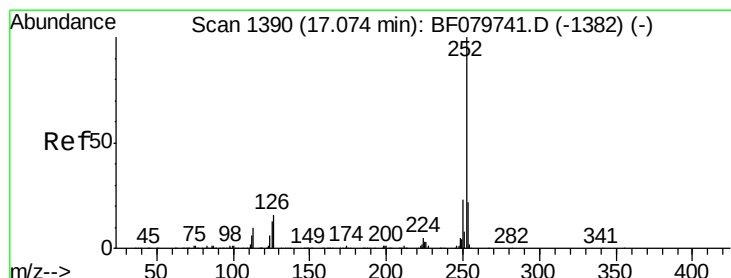
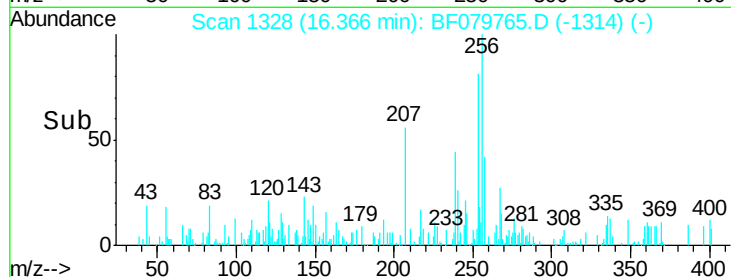
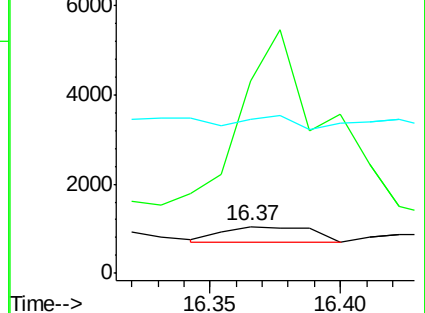
125 329.6 8.4 12.6#



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: 2007.50 ng

RT: 16.83 min Scan# 1369

Delta R.T. -0.03 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

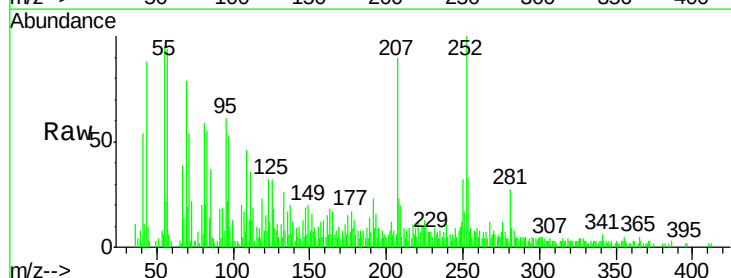
Tgt Ion:252 Resp: 21643

Ion Ratio Lower Upper

252 100

253 33.5 17.6 26.4#

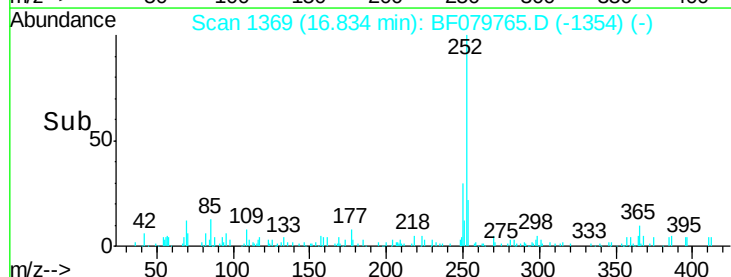
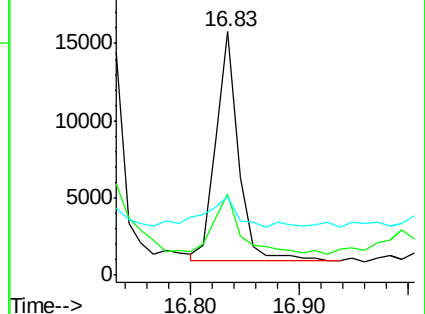
125 32.0 7.4 11.0#

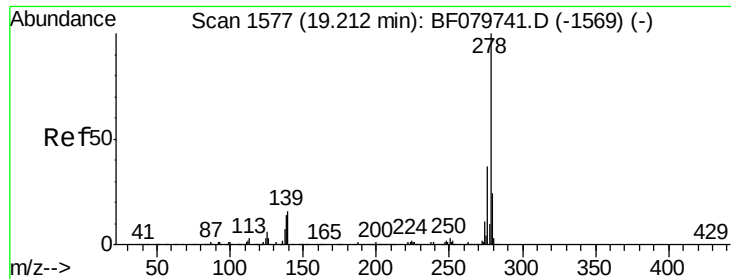


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1133.32 ng

RT: 19.05 min Scan# 1563

Delta R.T. 0.08 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-A

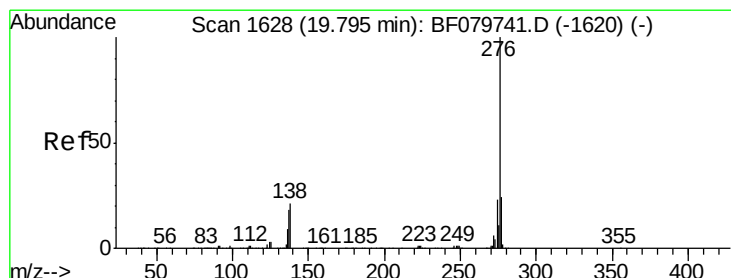
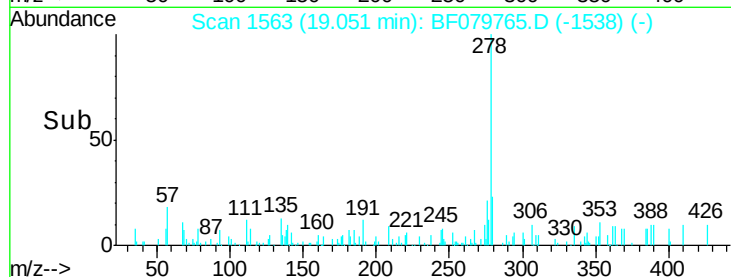
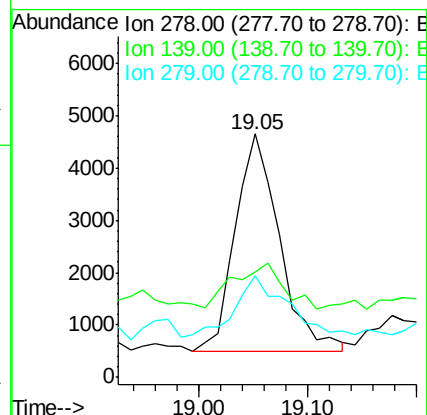
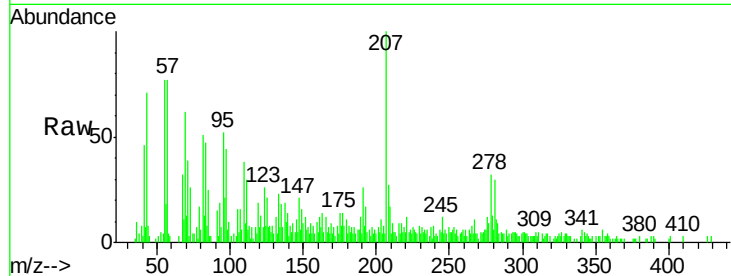
Tot Ion:278 Resp: 11792

Ion Ratio Lower Upper

278 100

139 43.3 12.7 19.1#

279 41.5 19.4 29.2#



#91

Benzo(g,h,i)perylene

Concen: 279.44 ng

RT: 19.55 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF079765.D

Acq: 6 Jun 2015 9:49

Tgt Ion:276 Resp: 3006

Ion Ratio Lower Upper

276 100

277 54.3 18.8 28.2#

138 81.8 18.2 27.2#

