

Data Path : Y:\HPCHEM1\BNA F\DATA\BF060515\
 Data File : BF079763.D
 Acq On : 6 Jun 2015 8:51
 Operator : TP/IZ
 Sample : G2464-12 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16AS

Quant Time: Jun 08 04:51:28 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	53636	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	224095	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	123496	20.00	ng	0.00
63) Phenanthrene-d10	12.08	188	254750	20.00	ng	0.01
75) Chrysene-d12	15.07	240	265612	20.00	ng	0.06
86) Perylene-d12	17.05	264	258020	20.00	ng	0.10

System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	174221	27.22	ng	0.00
7) Phenol-d6	7.08	99	248208	30.03	ng	0.00
23) Nitrobenzene-d5	8.04	82	125539	17.20	ng	0.00
41) 2,4,6-Tribromophenol	11.36	330	64234	27.19	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	298289	16.36	ng	0.00
78) Terphenyl-d14	13.78	244	369683	15.94	ng	0.03

Target Compounds						Qvalue	
6) Aniline	7.26	93	250	0.04	ng	#	1
9) Benzaldehyde	7.04	77	206	0.08	ng	#	22
10) Phenol	7.10	94	1052	0.23	ng	#	56
11) bis(2-Chloroethyl)ether	7.26	93	250	0.07	ng	#	1
15) Benzyl Alcohol	7.64	79	2670	0.78	ng	#	43
20) 3+4-Methylphenols	7.86	107	275	0.07	ng	#	79
22) Acetophenone	7.88	105	400	0.07	ng	#	26
24) Nitrobenzene	8.04	77	324	0.09	ng	#	47
31) Naphthalene	8.81	128	11869	1.01	ng	#	95
33) 4-Chloroaniline	8.81	127	1515	0.25	ng	#	48
37) 2-Methylnaphthalene	9.51	142	2989	0.40	ng		86
45) 1,1'-Biphenyl	9.96	154	1210	0.11	ng		96
48) Acenaphthylene	10.42	152	13944	0.96	ng		99
49) Dimethylphthalate	10.24	163	64456	6.78	ng		99
50) 2,6-Dinitrotoluene	10.24	165	758	1.62	ng	#	1
51) Acenaphthene	10.59	154	13720	1.67	ng		92
54) Dibenzofuran	10.76	168	9782	0.84	ng		99
55) 4-Nitrophenol	10.76	139	3474	2.31	ng	#	9
56) 2,4-Dinitrotoluene	10.56	165	15550	11.31	ng	#	34
57) Fluorene	11.12	166	13044	1.30	ng		93
59) Diethylphthalate	10.95	149	627	0.07	ng	#	58
62) Azobenzene	11.27	77	802	0.09	ng	#	1
65) n-Nitrosodiphenylamine	11.20	169	2330	0.27	ng	#	1
70) Phenanthrene	12.10	178	269894	18.10	ng		98
71) Anthracene	12.16	178	77514	5.27	ng		98
72) Carbazole	12.30	167	14497	1.04	ng	#	94
73) Di-n-butylphthalate	12.63	149	2723	0.17	ng	#	30
74) Fluoranthene	13.38	202	551931	33.80	ng		96
76) Benzidine	13.53	184	211	0.03	ng	#	1
77) Pyrene	13.65	202	546786	33.58	ng		99
79) Butylbenzylphthalate	14.30	149	1173	0.18	ng	#	50
80) Benzo(a)anthracene	15.06	228	303972	18.70	ng		98
81) 3,3'-Dichlorobenzidine	14.98	252	330	0.06	ng	#	3
82) Chrysene	15.06	228	303972	20.22	ng		96

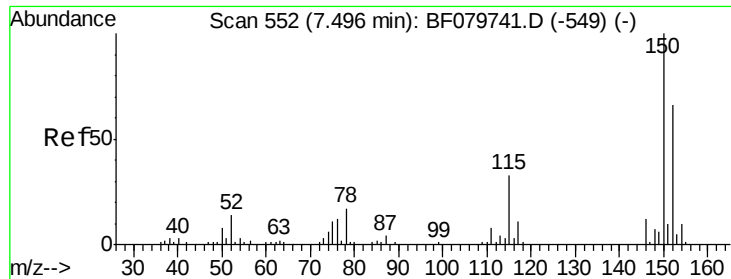
Data Path : Y:\HPCHEM1\BNA F\DATA\BF060515\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Bis(2-ethylhexyl)phthalate	15.03	149	3771	0.37	ng	# 80
84) Di-n-octyl phthalate	15.78	149	839	0.05	ng	# 1
85) Indeno(1,2,3-cd)pyrene	19.05	276	164324	9.44	ng	97
87) Benzo(b)fluoranthene	16.47	252	485978	30.32	ng	# 97
88) Benzo(k)fluoranthene	16.47	252	485978	31.61	ng	99
89) Benzo(a)pyrene	16.96	252	277801	18.77	ng	# 93
90) Dibenzo(a,h)anthracene	19.07	278	41481	2.90	ng	# 89
91) Benzo(a,h,i)perylene	19.67	276	170588	11.55	ng	97

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

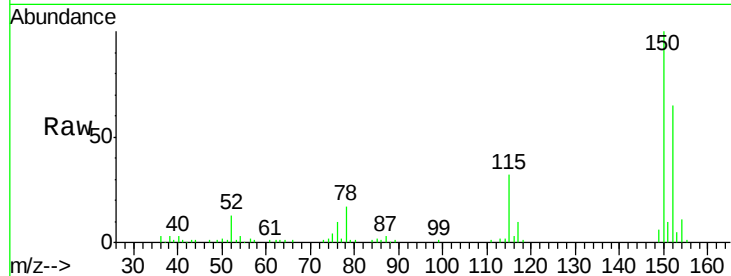


#1

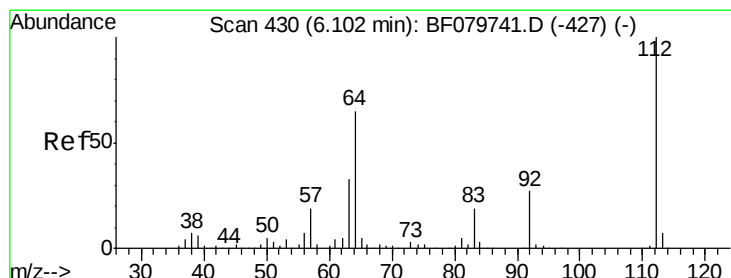
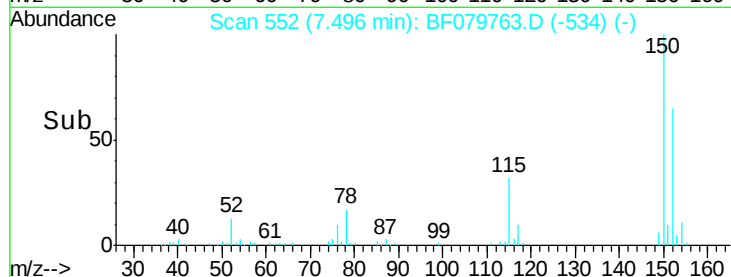
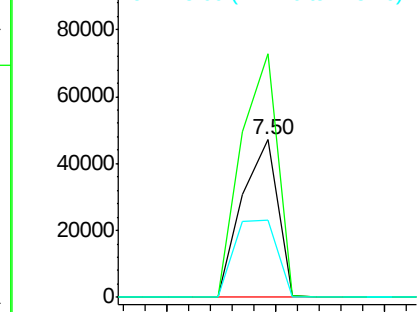
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.50 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampleId :
SB-16AS

Tot Ion:152 Resp: 53636
Ion Ratio Lower Upper
152 100
150 154.4 128.1 192.1
115 48.8 49.7 74.5#



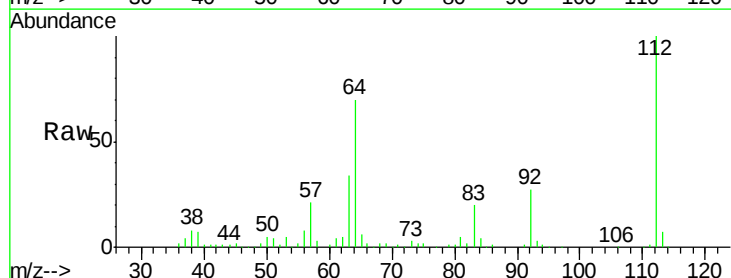
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



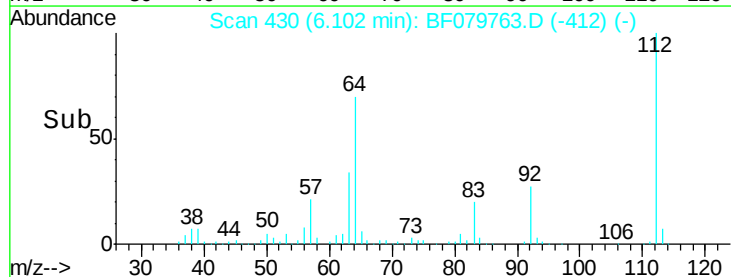
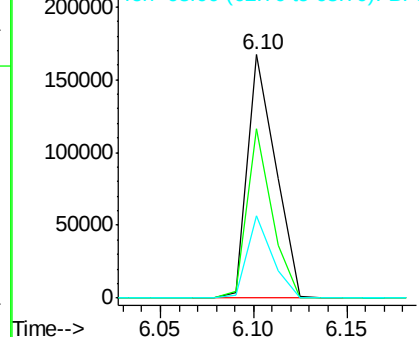
#5

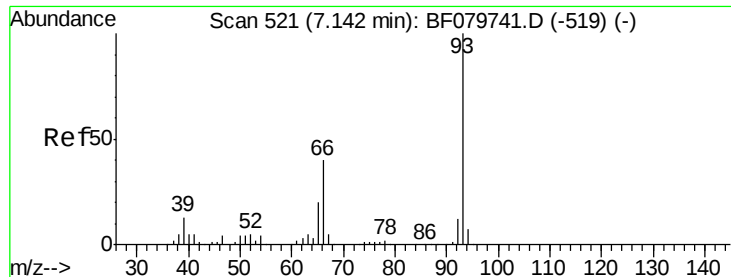
2-Fluorophenol
Concen: 27.22 ng
RT: 6.10 min Scan# 430
Delta R.T. 0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion:112 Resp: 174221
Ion Ratio Lower Upper
112 100
64 69.6 49.6 74.4
63 34.0 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: 7.26 min Scan# 531

Delta R.T. 0.11 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

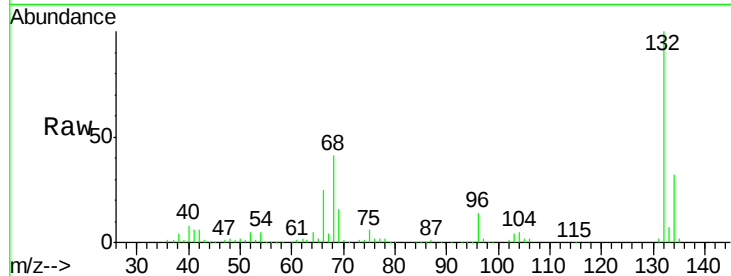
Tot Ion: 93 Resp: 250

Ion Ratio Lower Upper

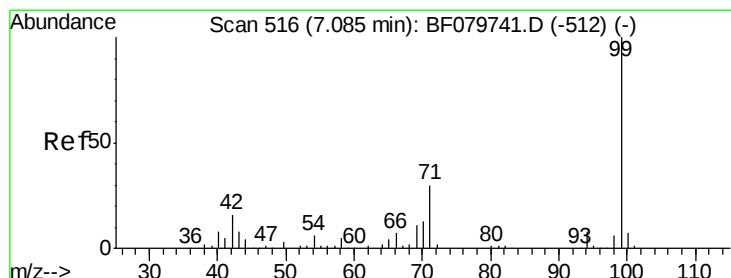
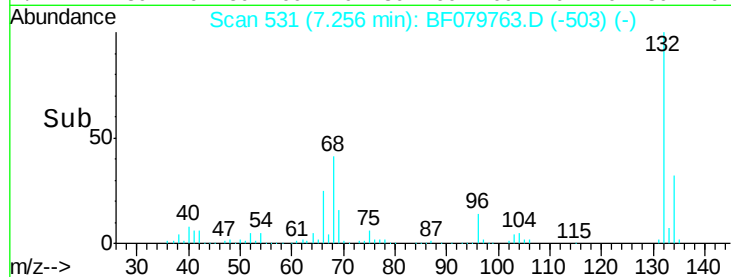
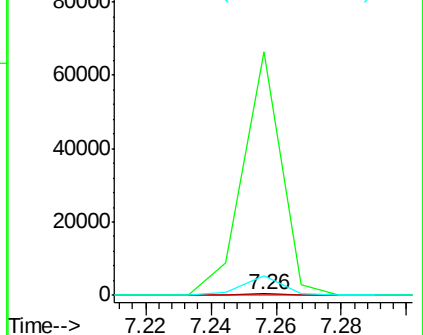
93 100

66 18191.8 30.3 45.5#

65 1474.5 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: 30.03 ng

RT: 7.08 min Scan# 516

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

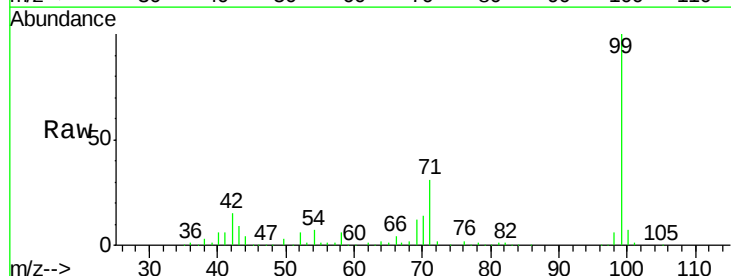
Tgt Ion: 99 Resp: 248208

Ion Ratio Lower Upper

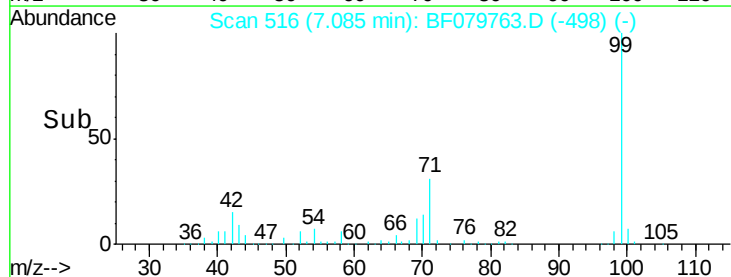
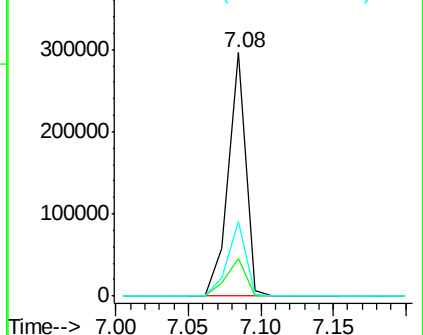
99 100

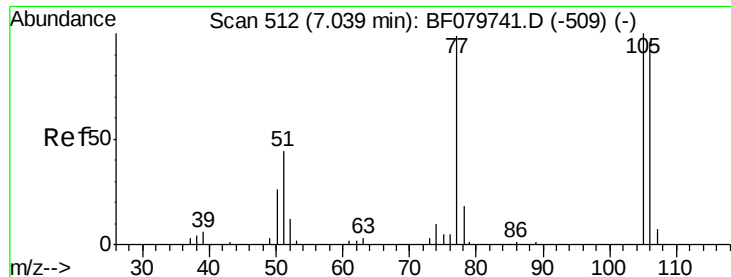
42 15.4 18.0 27.0#

71 30.6 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: 0.08 ng

RT: 7.04 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

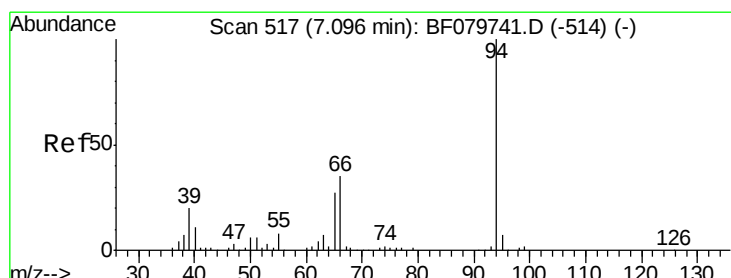
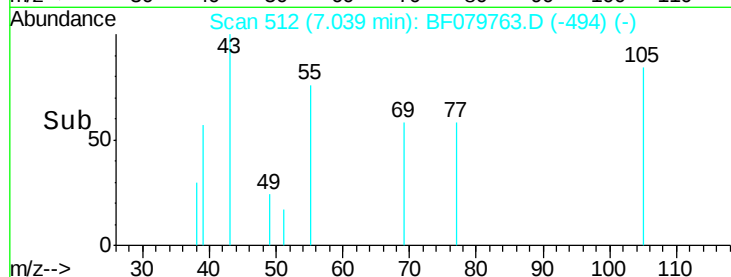
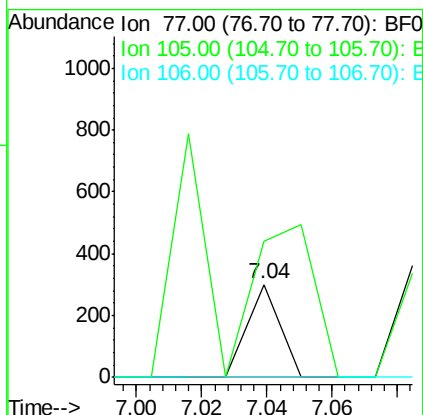
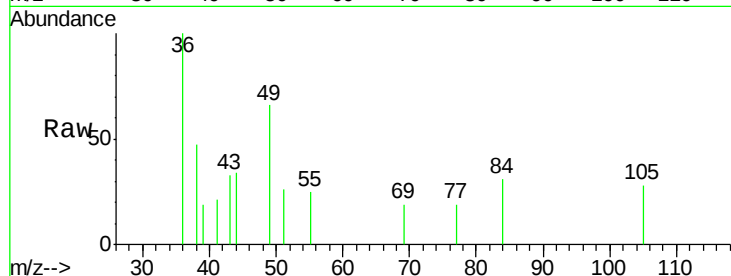
Tot Ion: 77 Resp: 206

Ion Ratio Lower Upper

77 100

105 145.8 66.1 106.1#

106 0.0 61.9 101.9#



#10

Phenol

Concen: 0.23 ng

RT: 7.10 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

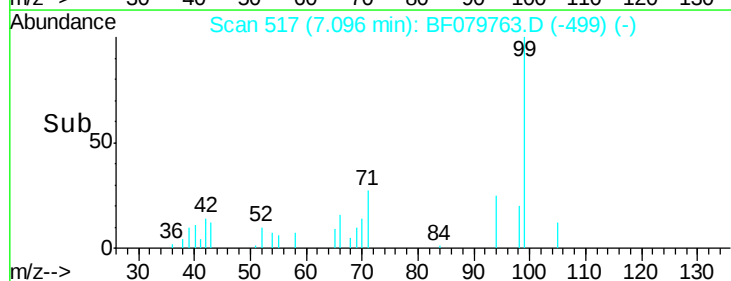
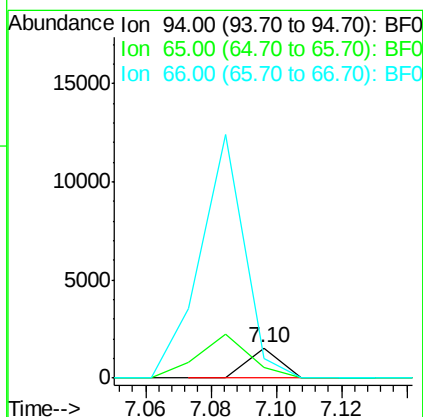
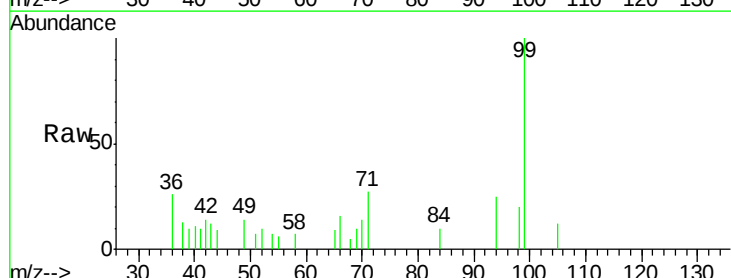
Tgt Ion: 94 Resp: 1052

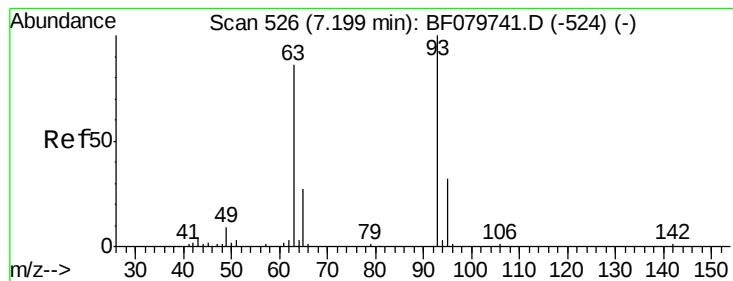
Ion Ratio Lower Upper

94 100

65 36.2 5.3 45.3

66 65.8 11.3 51.3#





#11

bis(2-Chloroethyl)ether

Concen: 0.07 ng

RT: 7.26 min Scan# 531

Delta R.T. 0.06 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

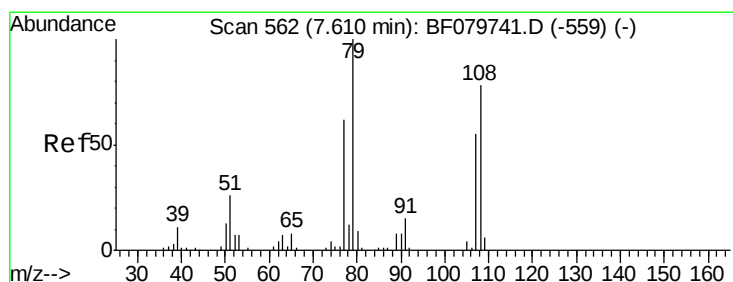
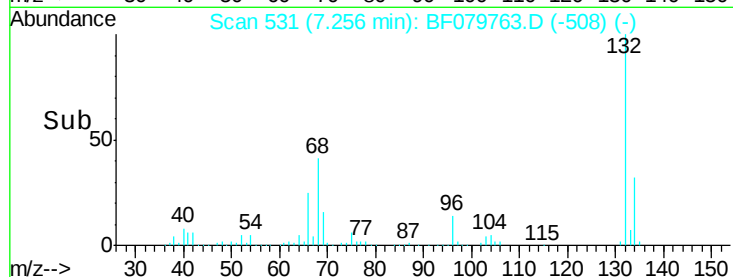
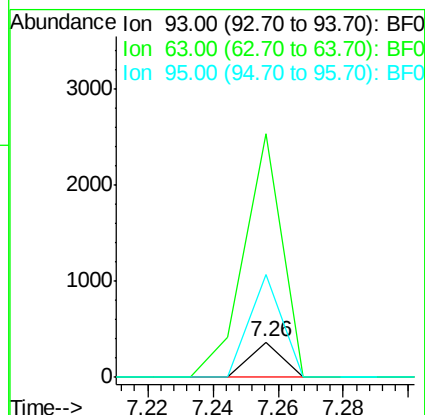
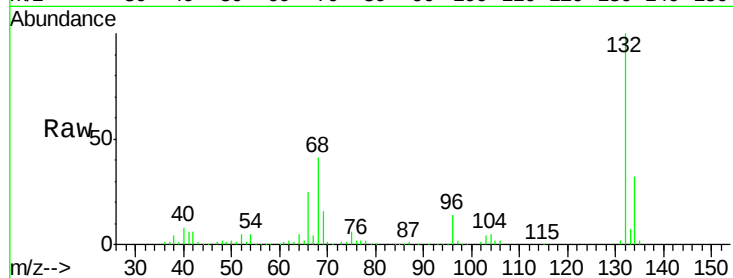
Tot Ion: 93 Resp: 250

Ion Ratio Lower Upper

93 100

63 694.0 58.7 98.7#

95 294.2 12.9 52.9#



#15

Benzyl Alcohol

Concen: 0.78 ng

RT: 7.64 min Scan# 565

Delta R.T. 0.03 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

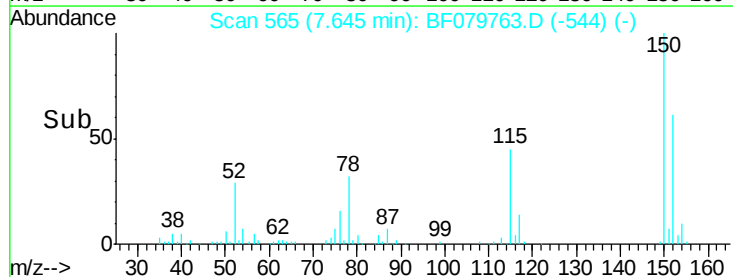
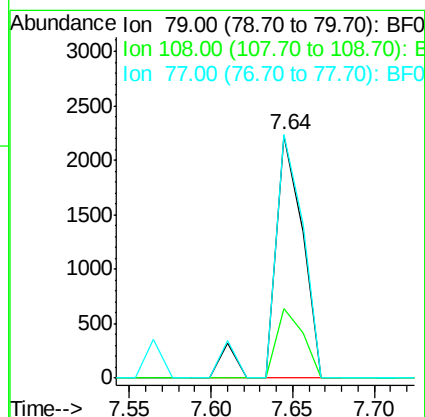
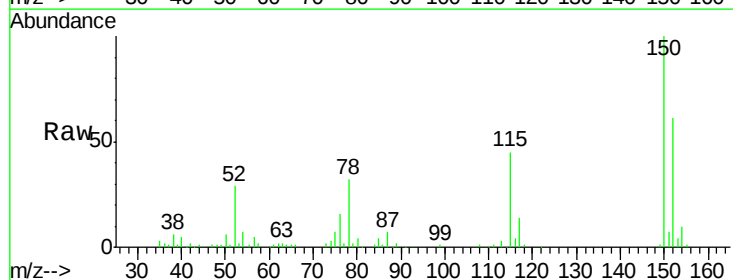
Tgt Ion: 79 Resp: 2670

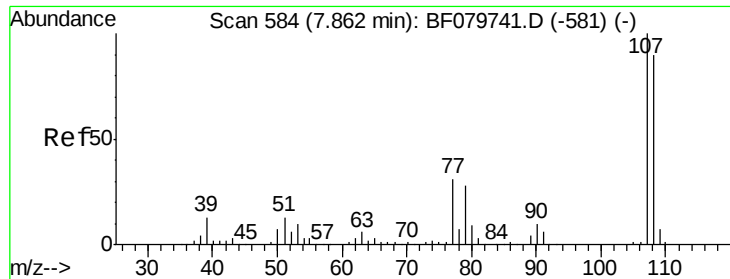
Ion Ratio Lower Upper

79 100

108 28.6 68.4 102.6#

77 100.3 50.0 75.0#





#20

3+4-Methylphenols

Concen: 0.07 ng

RT: 7.86 min Scan# 584

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

Tot Ion:107 Resp: 275

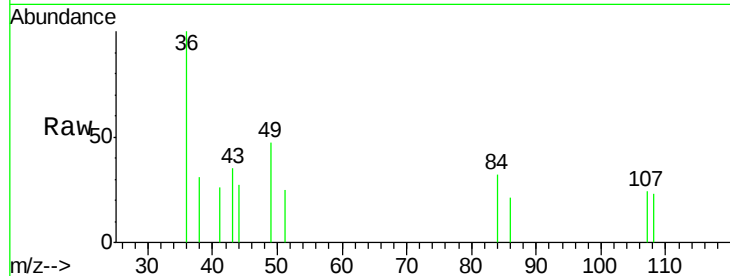
Ion Ratio Lower Upper

107 100

108 95.5 75.2 115.2

77 0.0 10.3 50.3#

79 0.0 9.3 49.3#



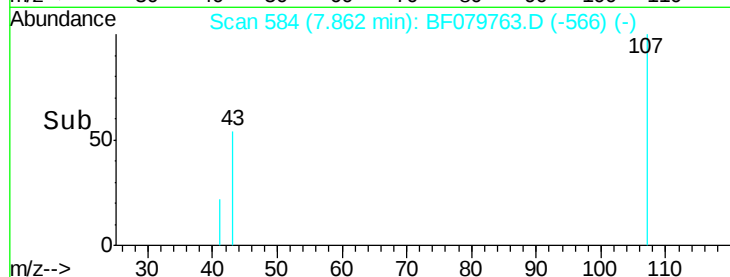
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

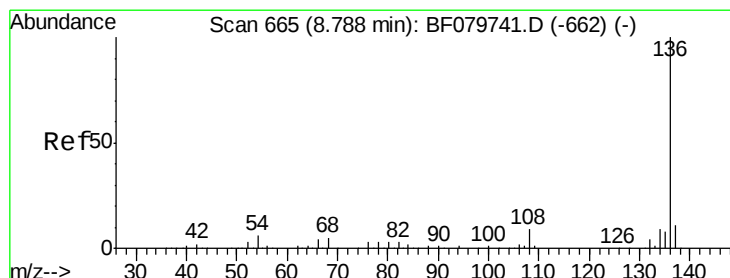
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.79 min Scan# 665

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Tgt Ion:136 Resp: 224095

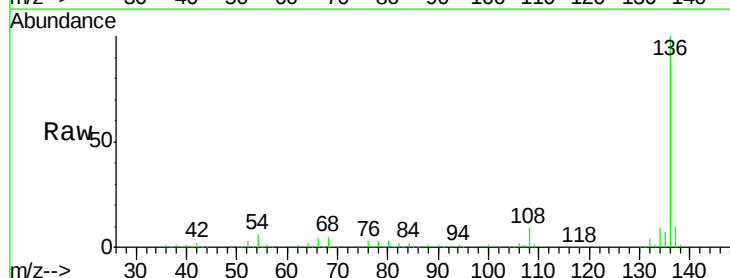
Ion Ratio Lower Upper

136 100

137 10.2 8.8 13.2

54 6.0 8.7 13.1#

68 4.9 5.8 8.8#



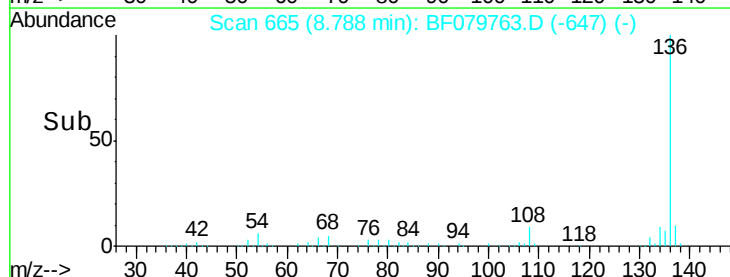
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

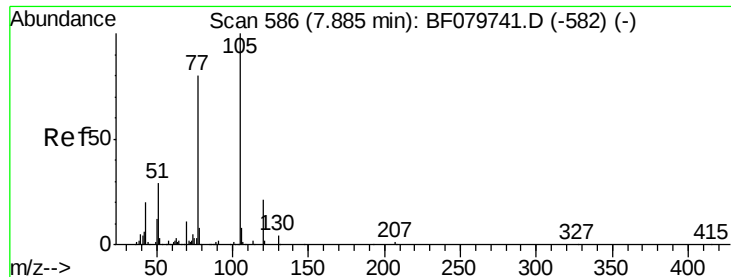
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



Time-->



#22

Acetophenone

Concen: 0.07 ng

RT: 7.88 min Scan# 586

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

Tot Ion:105 Resp: 400

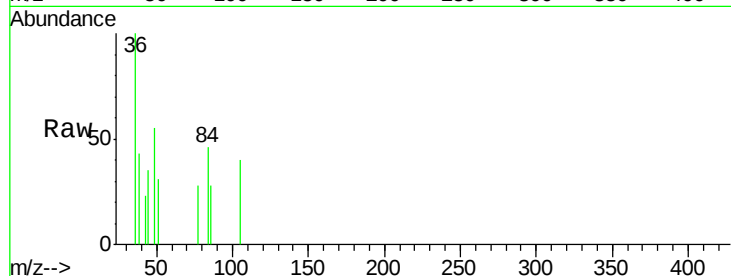
Ion Ratio Lower Upper

105 100

71 0.0 0.9 1.3#

51 77.7 21.3 31.9#

120 0.0 17.1 25.7#



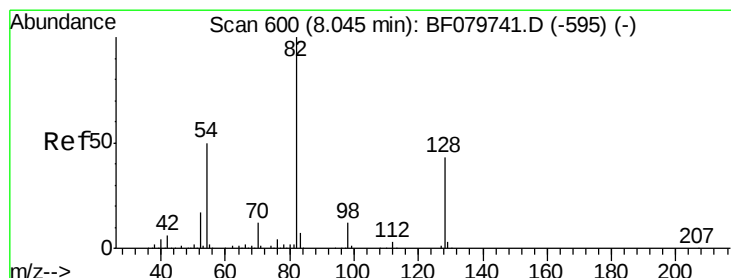
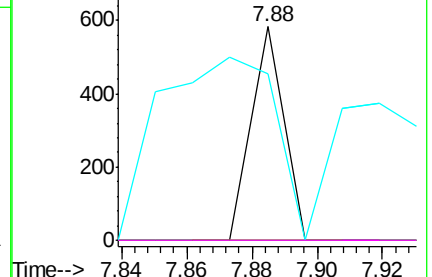
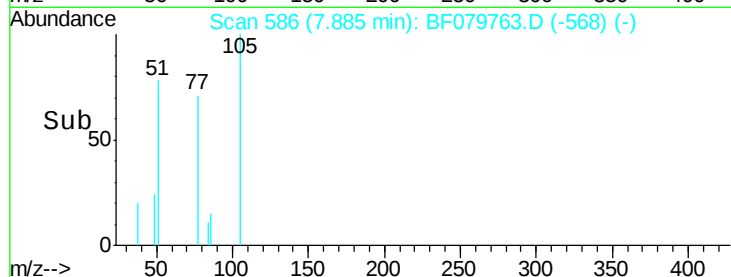
Abundance Ion 105.00 (104.70 to 105.70): E

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

Time--> 7.84 7.86 7.88 7.90 7.92



#23

Nitrobenzene-d5

Concen: 17.20 ng

RT: 8.04 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

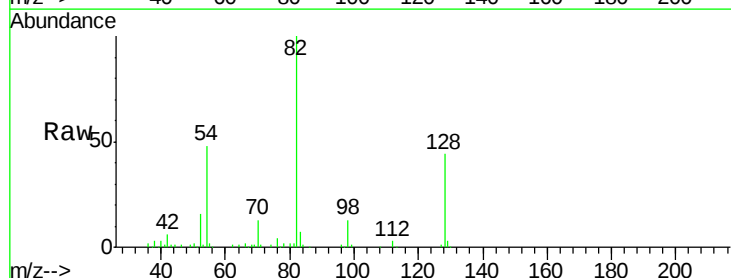
Tgt Ion: 82 Resp: 125539

Ion Ratio Lower Upper

82 100

128 43.5 37.6 56.4

54 47.7 39.4 59.2

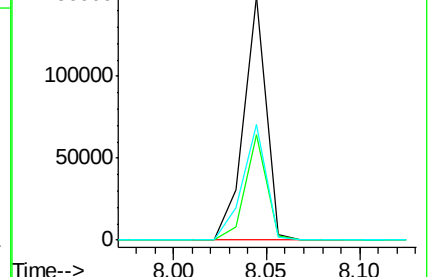
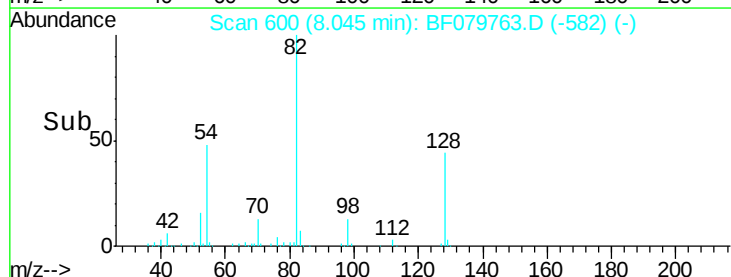


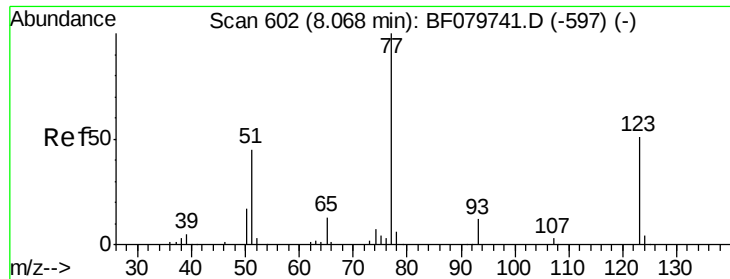
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time--> 8.00 8.05 8.10

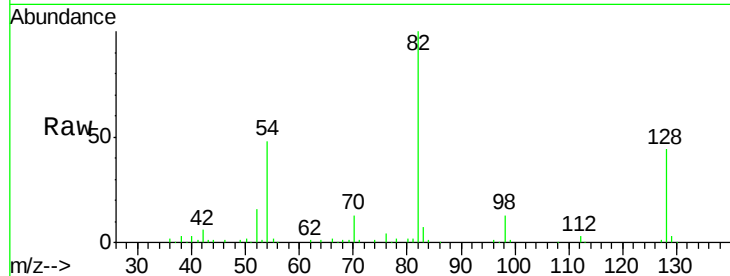




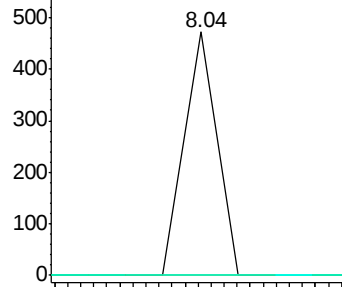
#24
Nitrobenzene
Concen: 0.09 ng
RT: 8.04 min Scan# 600
Delta R.T. -0.02 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampleId :
SB-16AS

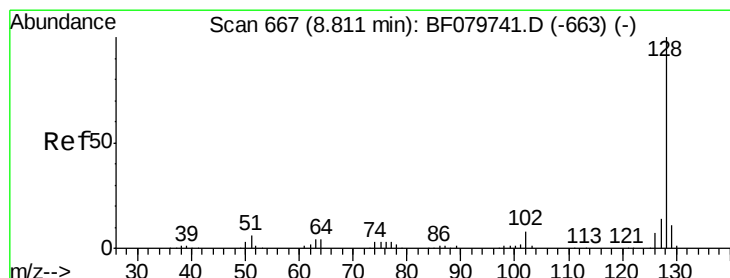
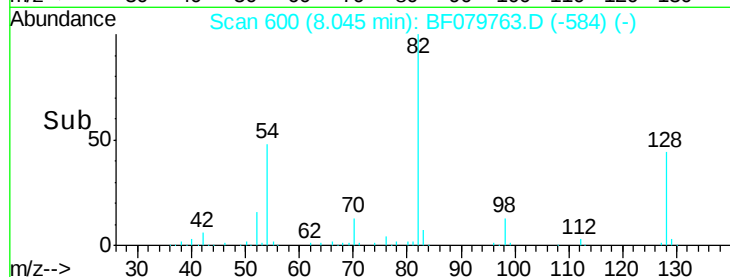
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	28.1	42.1#
65	0.0	10.9	16.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BF0

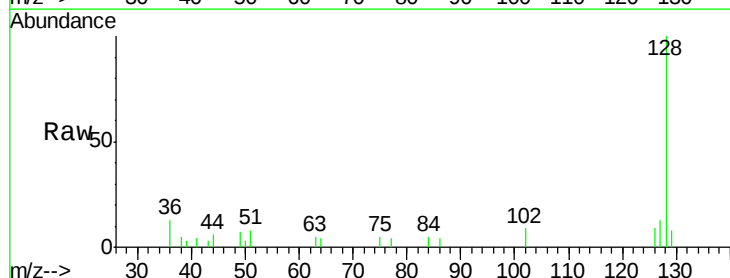


Time--> 8.00 8.02 8.04 8.06 8.08

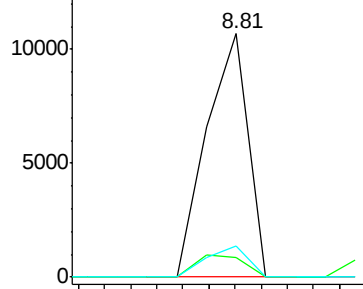


#31
Naphthalene
Concen: 1.01 ng
RT: 8.81 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

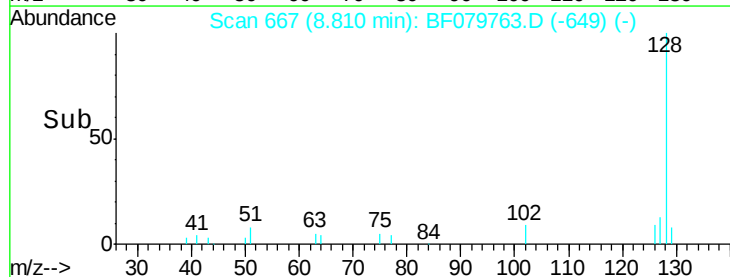
Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.2	9.4	14.2#
127	12.6	10.7	16.1

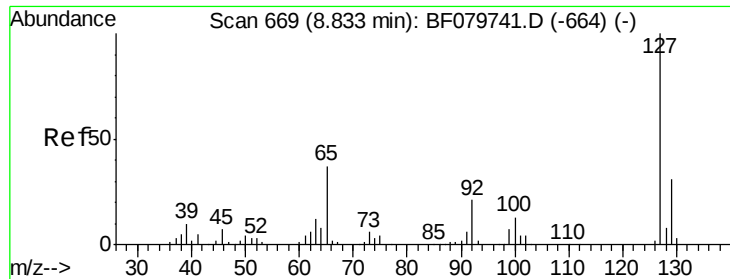


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time--> 8.75 8.80 8.85

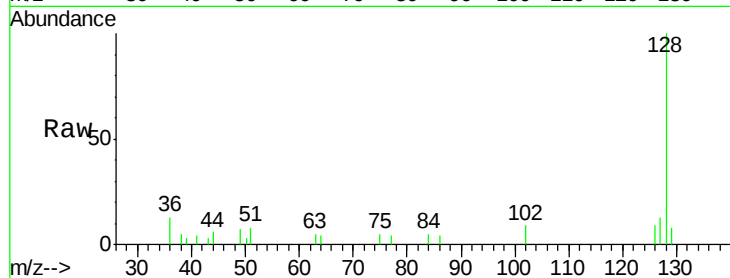




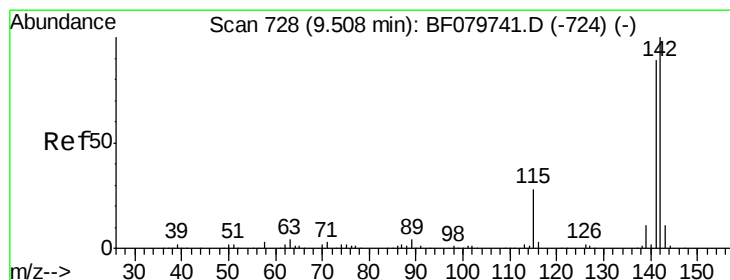
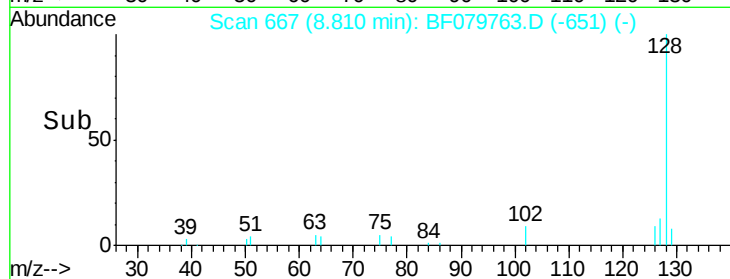
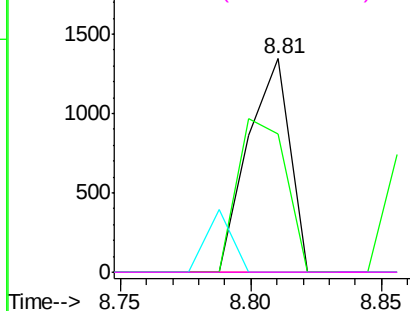
#33
4-Chloroaniline
Concen: 0.25 ng
RT: 8.81 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampleId :
SB-16AS

Tot Ion:127	Resp:	1515
Ion Ratio	Lower	Upper
127 100		
129 64.9	26.8	40.2#
65 0.0	22.9	34.3#
92 0.0	15.2	22.8#

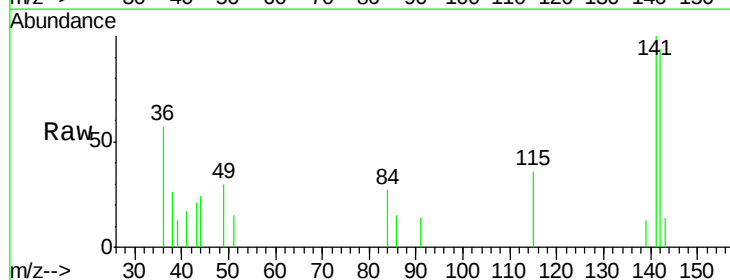


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

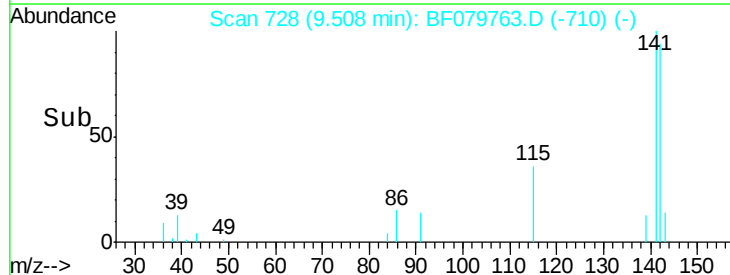
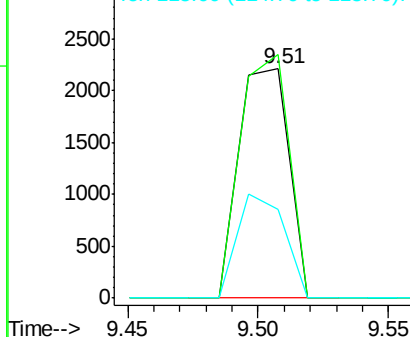


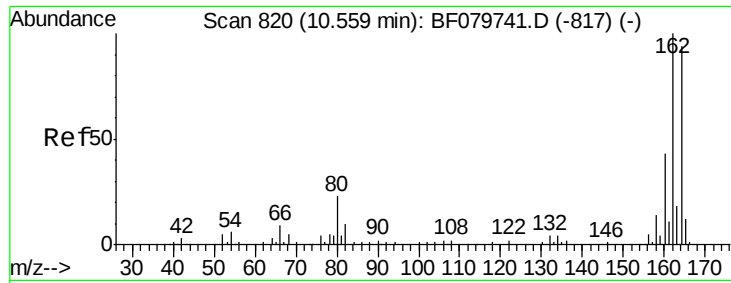
#37
2-Methylnaphthalene
Concen: 0.40 ng
RT: 9.51 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion:142	Resp:	2989
Ion Ratio	Lower	Upper
142 100		
141 106.1	72.8	109.2
115 38.5	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.56 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

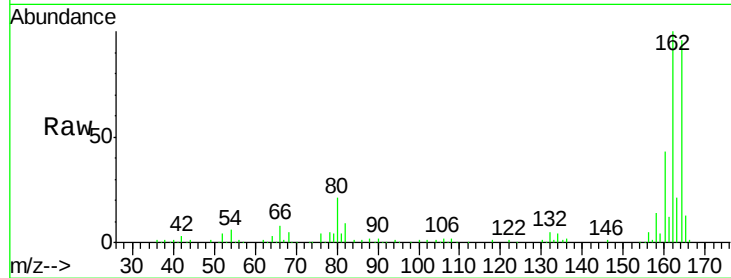
Tot Ion:164 Resp: 123496

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

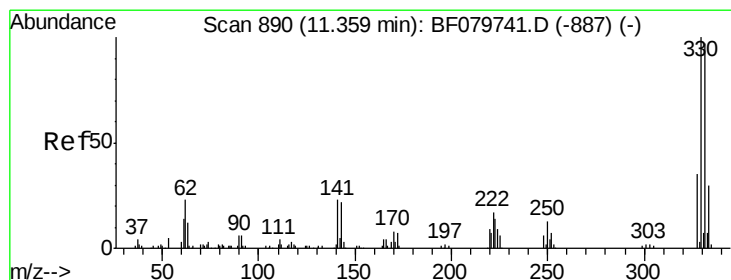
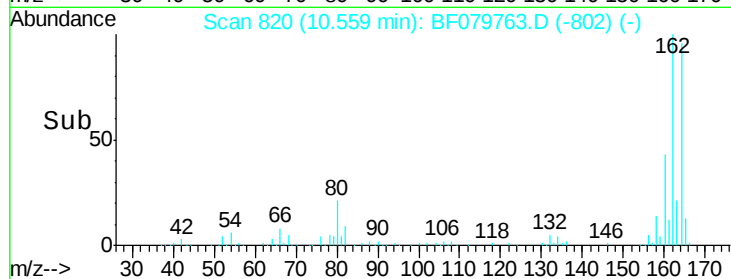
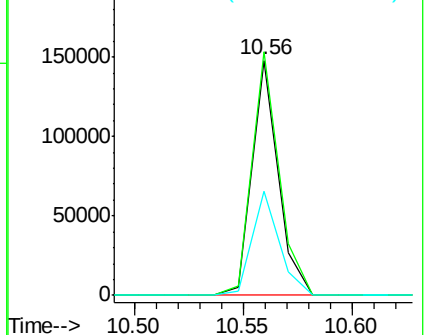
160 44.1 36.8 55.2



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: 27.19 ng

RT: 11.36 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

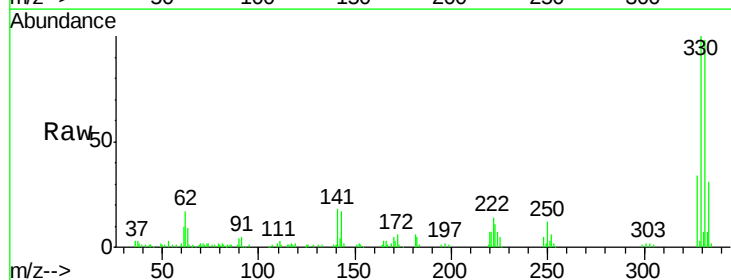
Tgt Ion:330 Resp: 64234

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

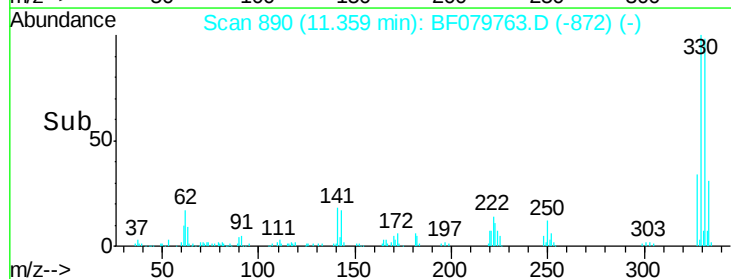
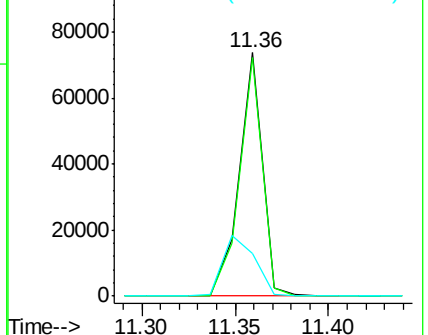
141 34.4 30.2 45.2

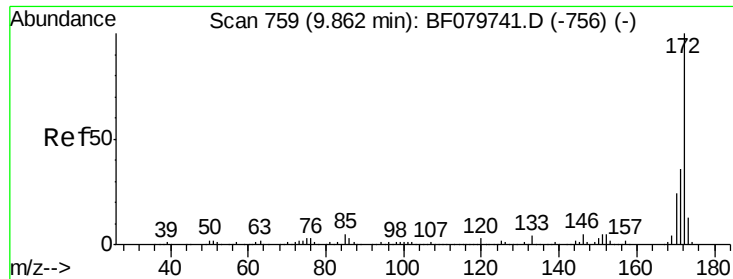


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

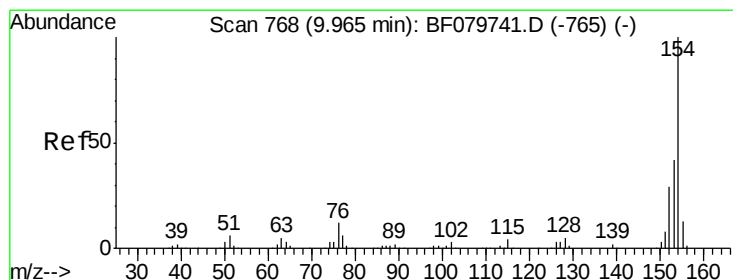
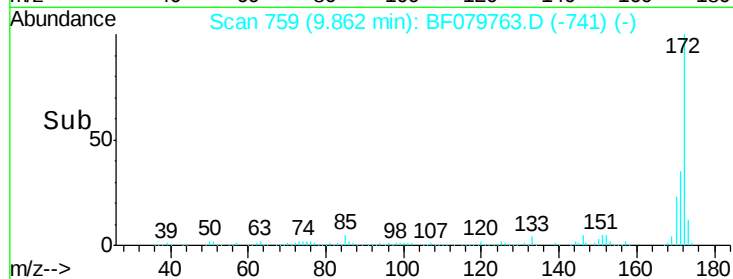
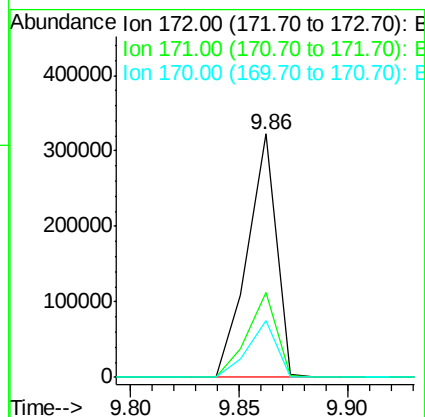
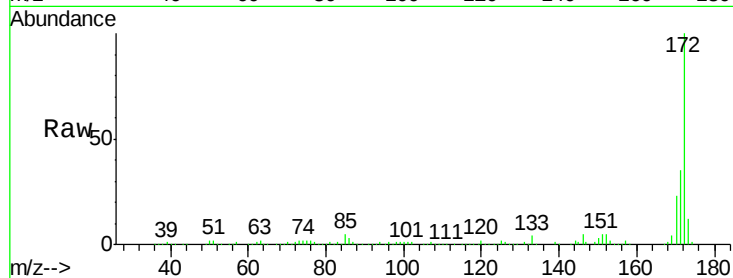




#44
2-Fluorobiphenyl
Concen: 16.36 ng
RT: 9.86 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

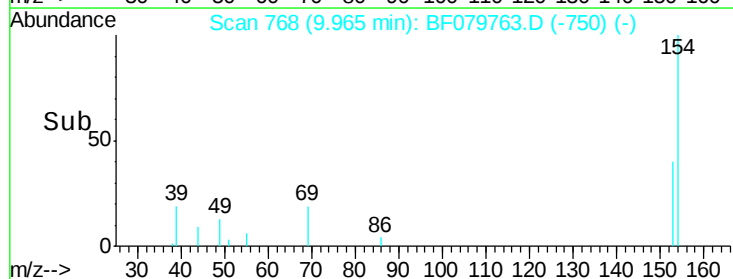
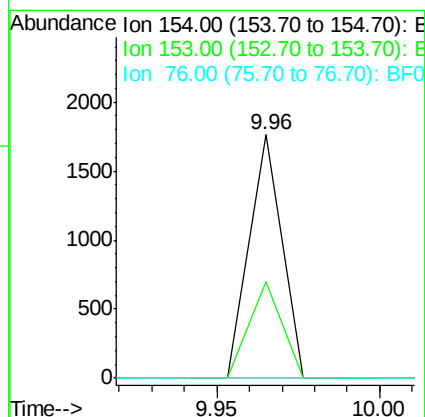
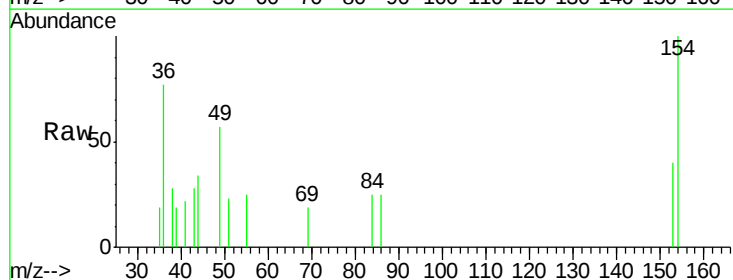
Instrument :
BNA_F
ClientSampleId :
SB-16AS

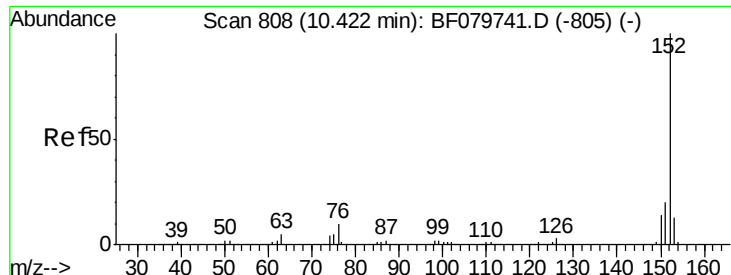
Tot Ion:172 Resp: 298289
Ion Ratio Lower Upper
172 100
171 34.7 29.4 44.0
170 23.4 19.7 29.5



#45
1,1'-Biphenyl
Concen: 0.11 ng
RT: 9.96 min Scan# 768
Delta R.T. 0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion:154 Resp: 1210
Ion Ratio Lower Upper
154 100
153 39.7 19.9 59.9
76 0.0 0.0 28.2





#48

Acenaphthylene

Concen: 0.96 ng

RT: 10.42 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

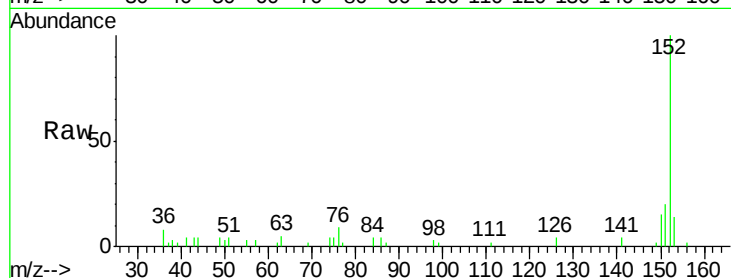
Tot Ion:152 Resp: 13944

Ion Ratio Lower Upper

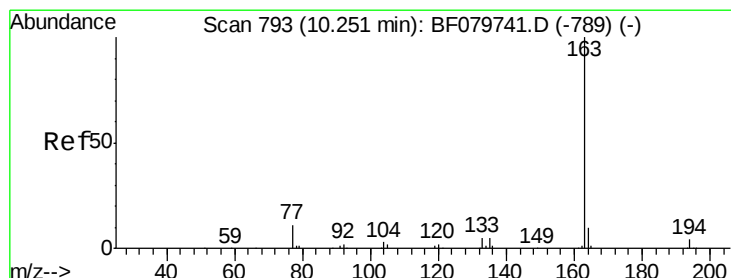
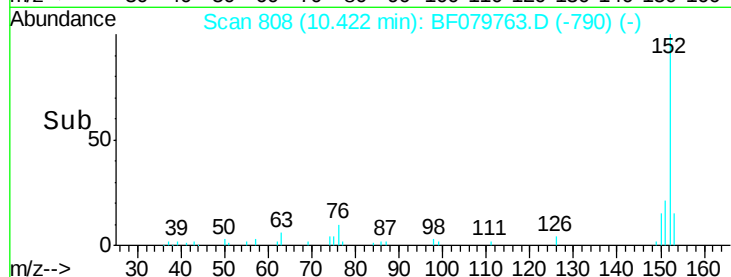
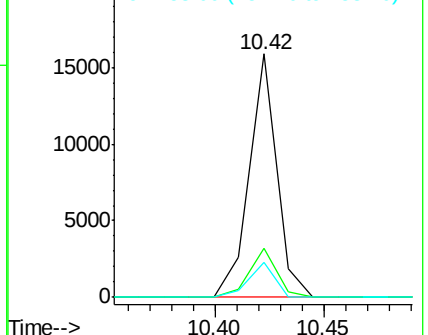
152 100

151 20.3 16.2 24.4

153 14.3 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: 6.78 ng

RT: 10.24 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

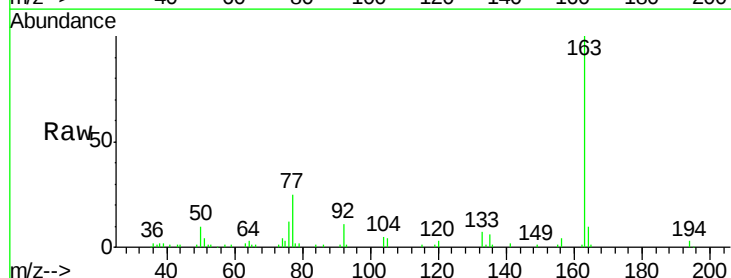
Tgt Ion:163 Resp: 64456

Ion Ratio Lower Upper

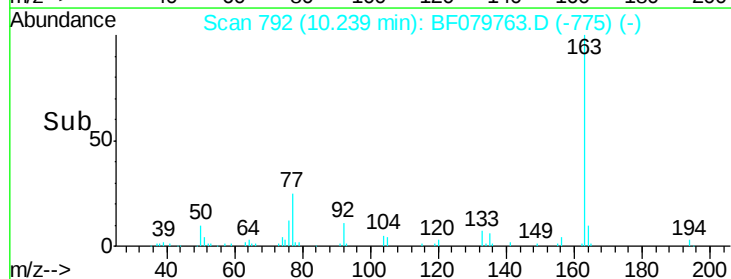
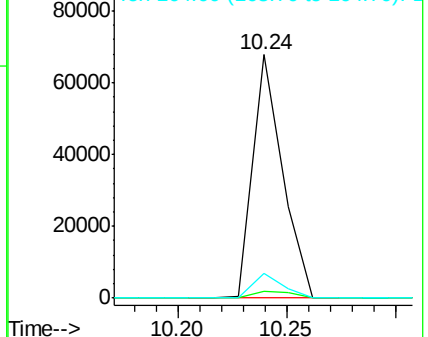
163 100

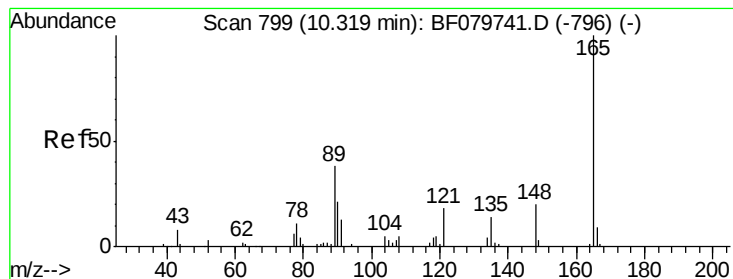
194 2.9 2.6 3.8

164 10.3 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: 1.62 ng

RT: 10.24 min Scan# 792

Delta R.T. -0.08 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

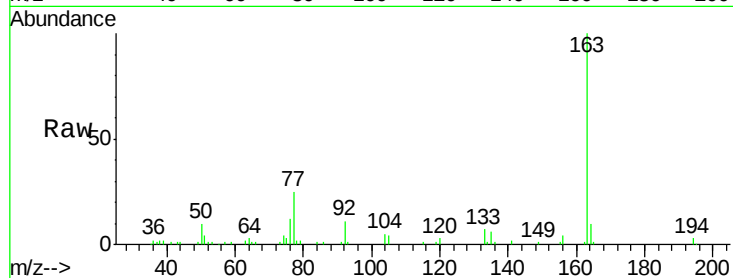
Tot Ion:165 Resp: 758

Ion Ratio Lower Upper

165 100

63 232.1 45.2 67.8#

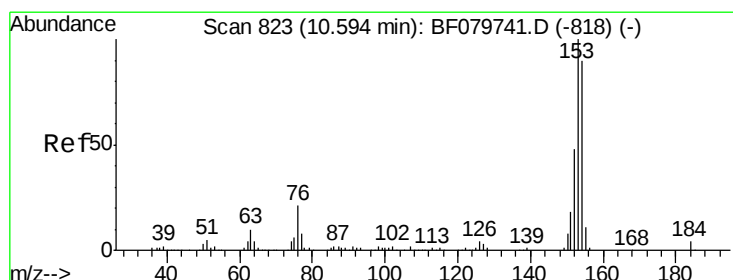
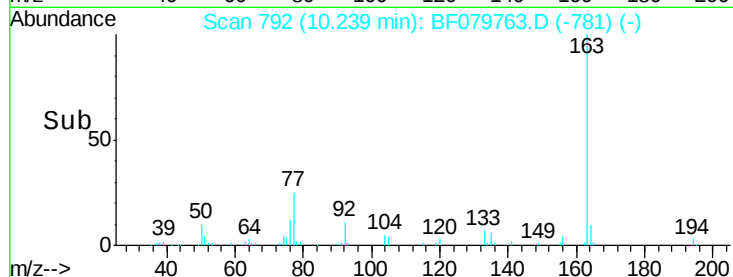
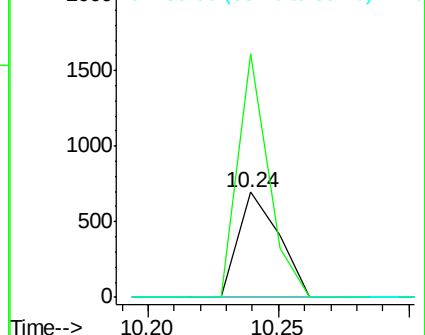
89 0.0 45.9 68.9#



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



#51

Acenaphthene

Concen: 1.67 ng

RT: 10.59 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

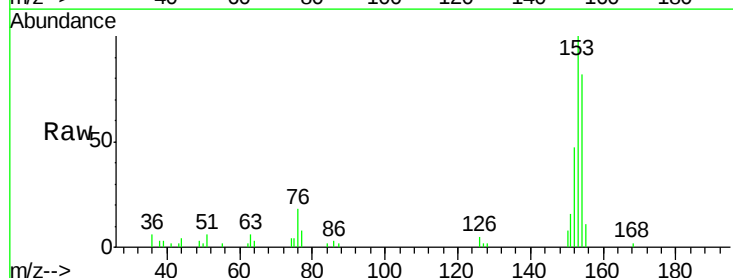
Tgt Ion:154 Resp: 13720

Ion Ratio Lower Upper

154 100

153 122.6 90.1 135.1

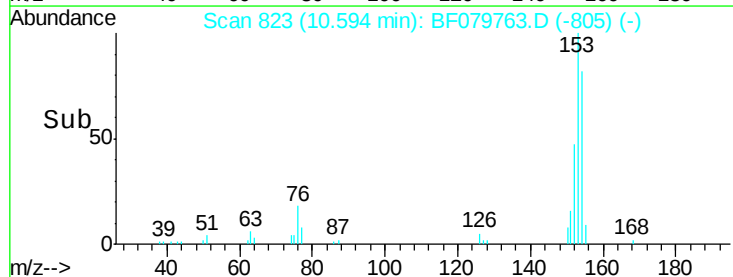
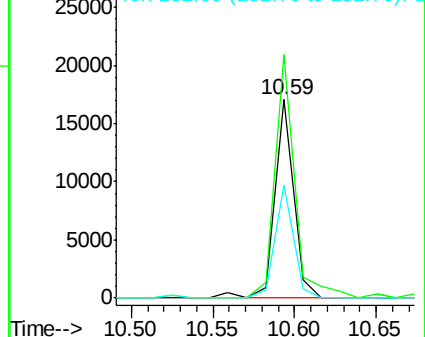
152 57.0 43.4 65.0

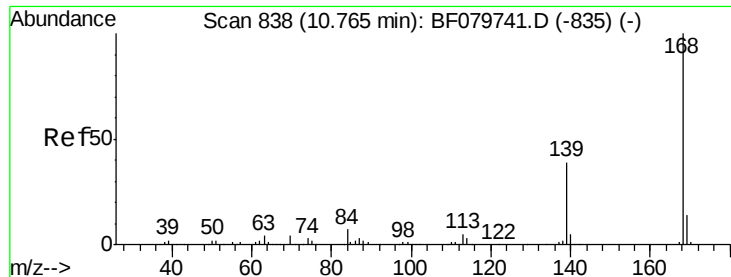


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

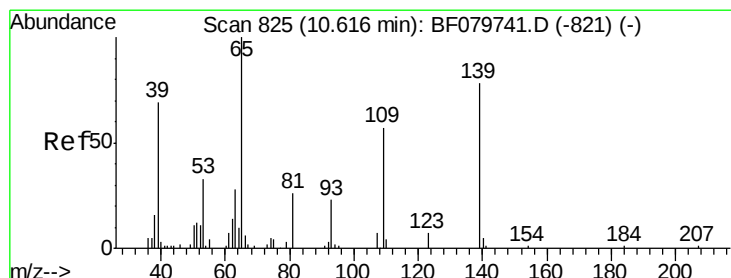
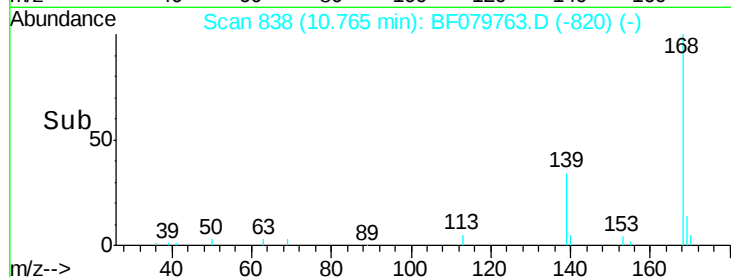
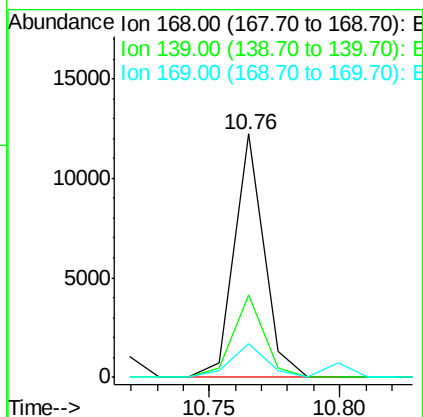
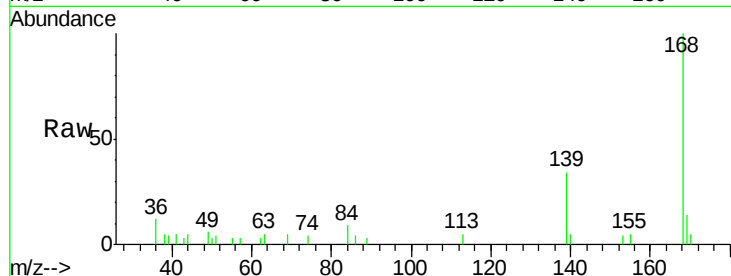




#54
Diben-zofuran
Concen: 0.84 ng
RT: 10.76 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

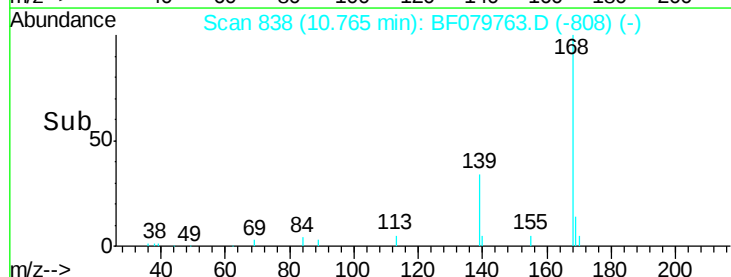
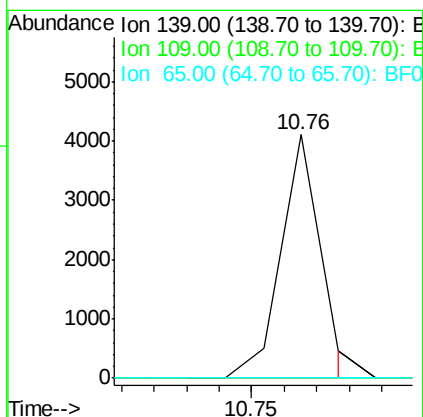
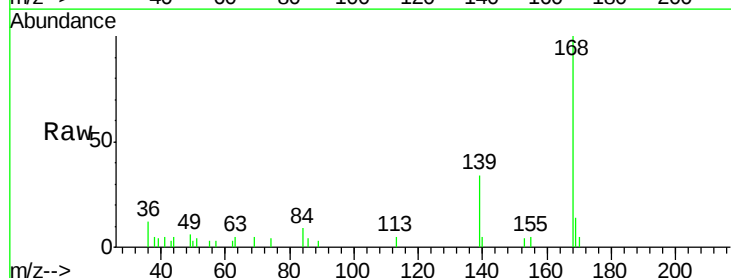
Instrument :
BNA_F
ClientSampleId :
SB-16AS

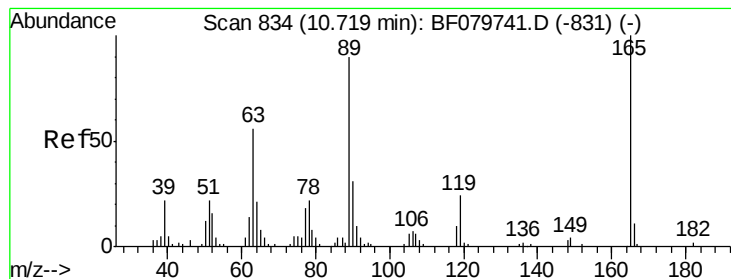
Tot Ion:168 Resp: 9782
Ion Ratio Lower Upper
168 100
139 33.6 27.7 41.5
169 13.6 11.0 16.4



#55
4-Nitrophenol
Concen: 2.31 ng
RT: 10.76 min Scan# 838
Delta R.T. 0.14 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion:139 Resp: 3474
Ion Ratio Lower Upper
139 100
109 0.0 44.2 84.2#
65 0.0 72.3 112.3#





#56

2,4-Dinitrotoluene

Concen: 11.31 ng

RT: 10.56 min Scan# 820

Delta R.T. -0.16 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

Tot Ion:165 Resp: 15550

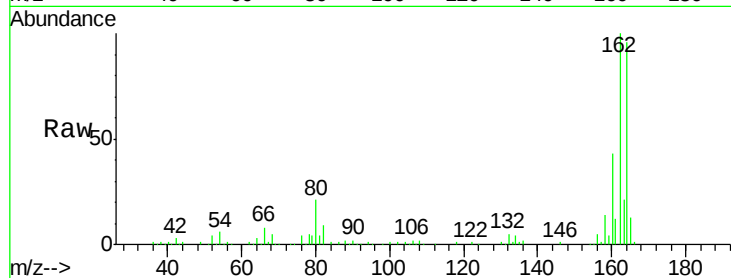
Ion Ratio Lower Upper

165 100

63 1.6 24.7 37.1#

89 1.7 45.7 68.5#

182 0.0 1.8 2.8#

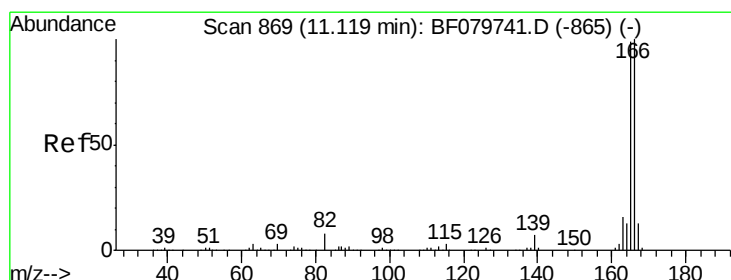
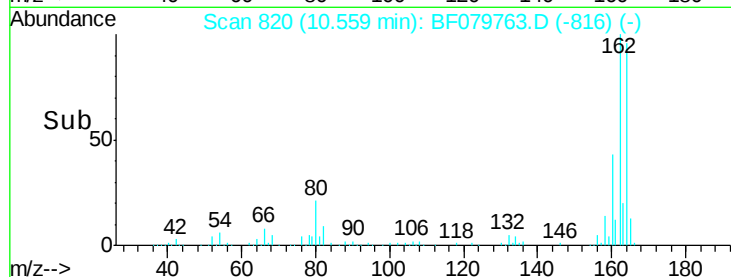
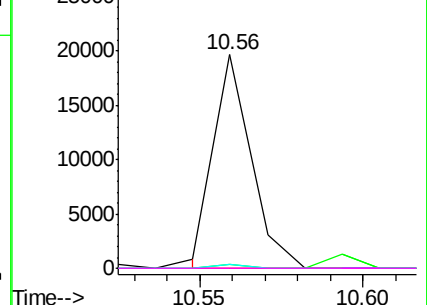


Abundance Ion 165.00 (164.70 to 165.70): E

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: 1.30 ng

RT: 11.12 min Scan# 869

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

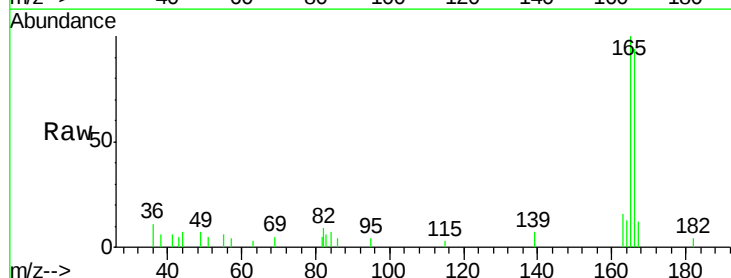
Tgt Ion:166 Resp: 13044

Ion Ratio Lower Upper

166 100

165 106.5 79.4 119.0

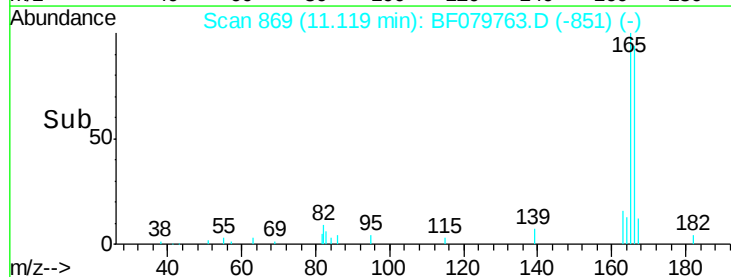
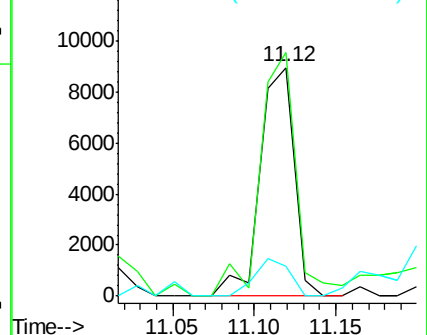
167 13.0 11.0 16.4

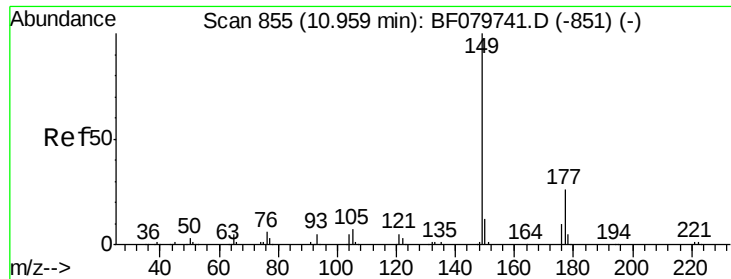


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

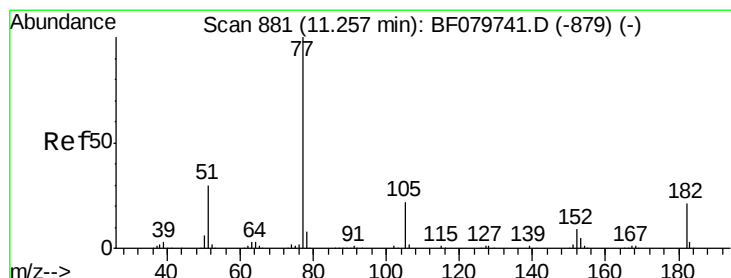
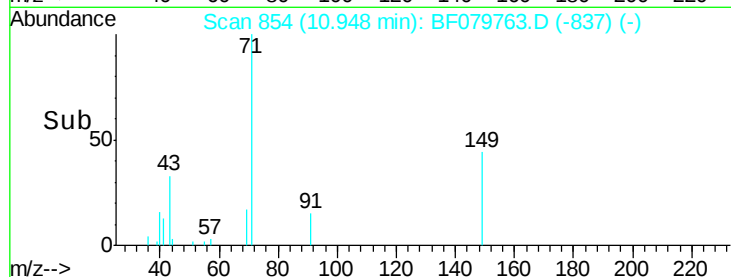
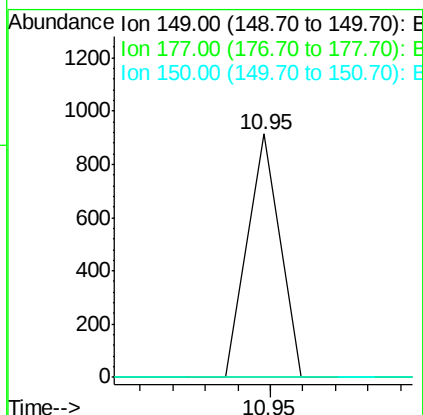
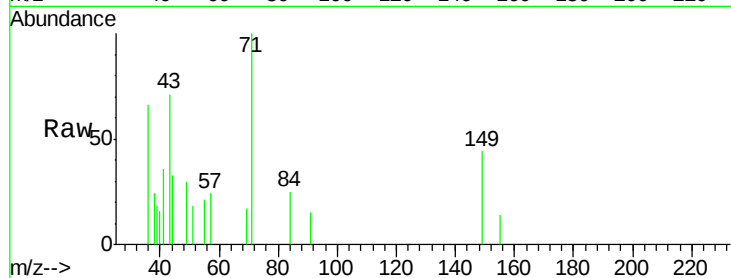




#59
Diethylphthalate
Concen: 0.07 ng
RT: 10.95 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

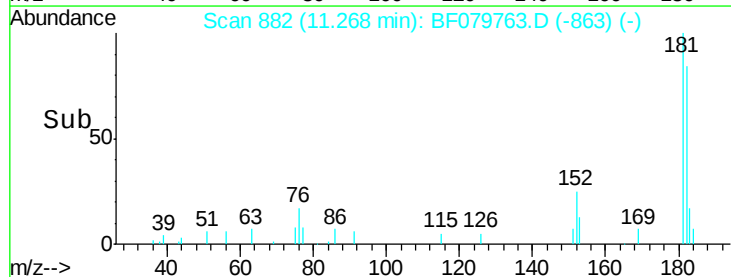
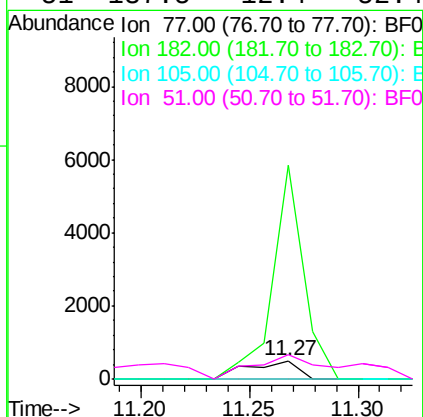
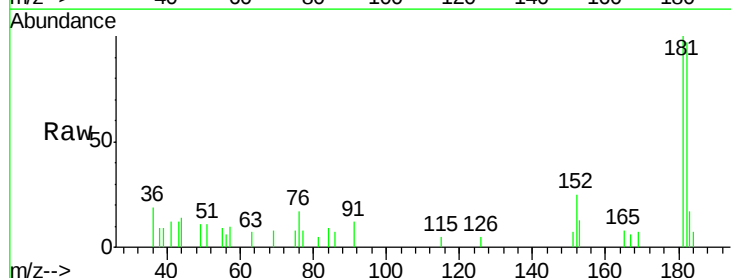
Instrument :
BNA_F
ClientSampleId :
SB-16AS

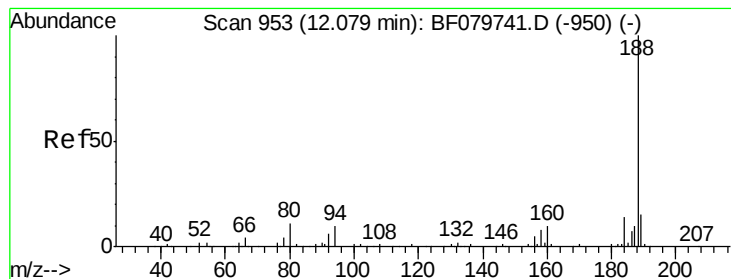
Tot Ion:149 Resp: 627
Ion Ratio Lower Upper
149 100
177 0.0 18.1 27.1#
150 0.0 10.5 15.7#



#62
Azobenzene
Concen: 0.09 ng
RT: 11.27 min Scan# 882
Delta R.T. 0.01 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion: 77 Resp: 802
Ion Ratio Lower Upper
77 100
182 1177.8 0.0 35.2#
105 0.0 0.0 39.5
51 137.5 12.4 52.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.08 min Scan# 953

Delta R.T. 0.01 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

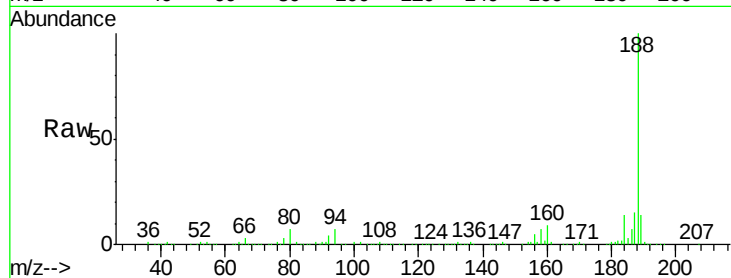
Tot Ion:188 Resp: 254750

Ion Ratio Lower Upper

188 100

94 6.9 5.0 7.4

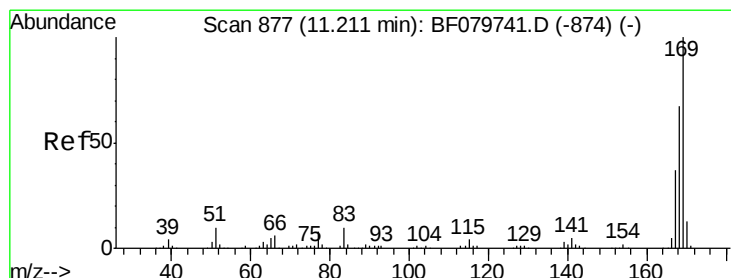
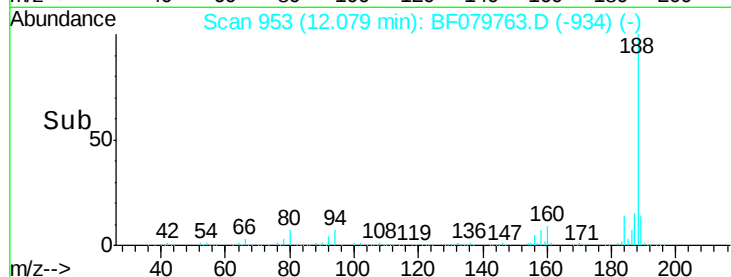
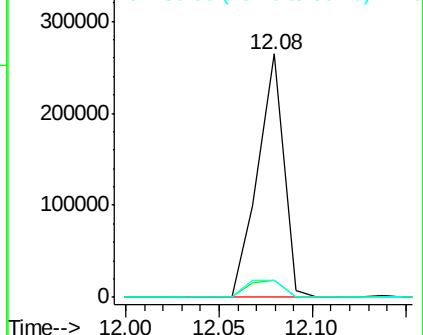
80 7.1 5.3 7.9



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: 0.27 ng

RT: 11.20 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

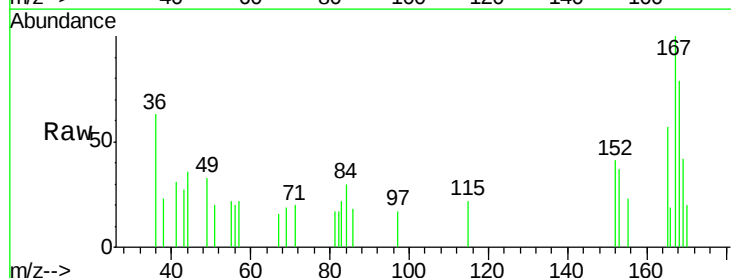
Tgt Ion:169 Resp: 2330

Ion Ratio Lower Upper

169 100

168 189.0 54.8 82.2#

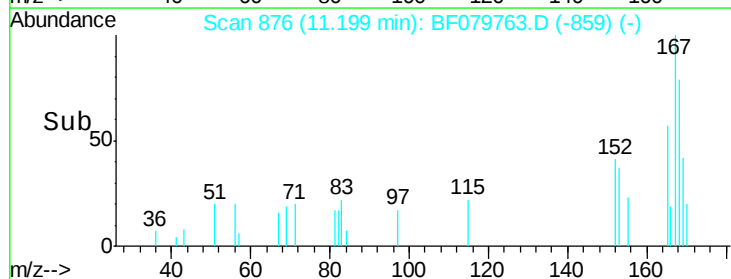
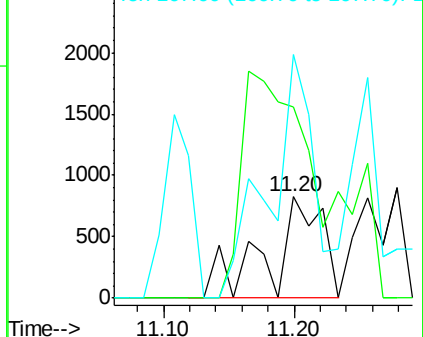
167 240.5 29.7 44.5#

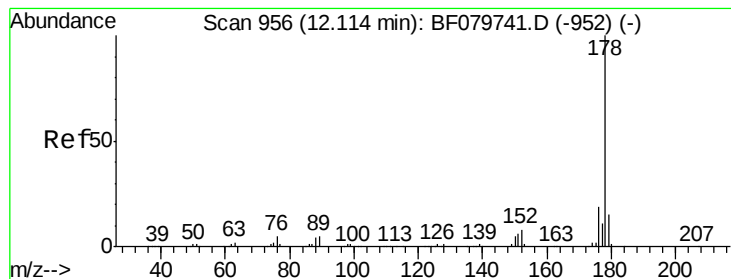


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 18.10 ng

RT: 12.10 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

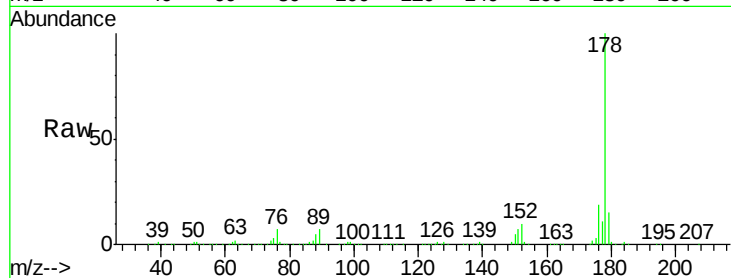
Tot Ion:178 Resp: 269894

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.4

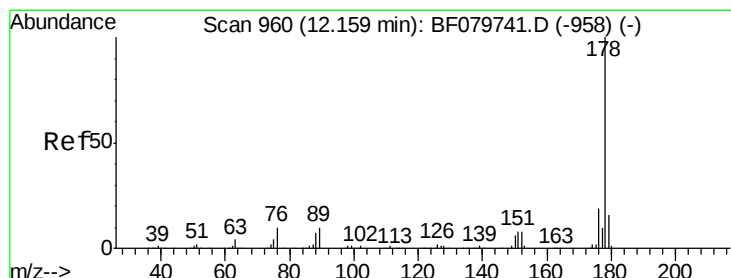
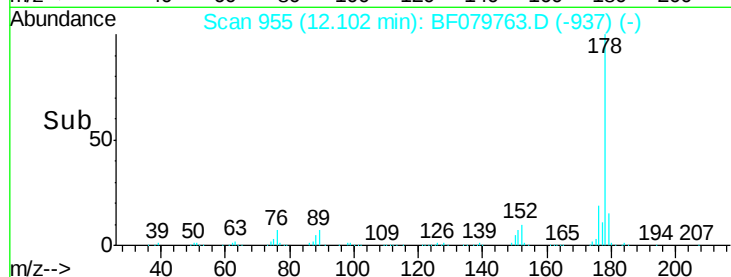
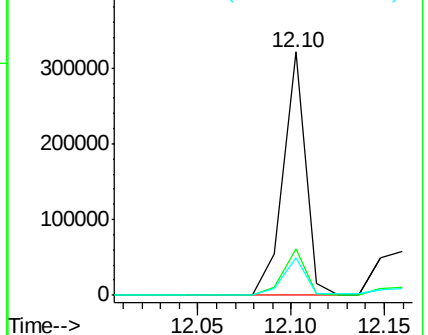
179 15.2 12.6 19.0



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: 5.27 ng

RT: 12.16 min Scan# 960

Delta R.T. 0.01 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

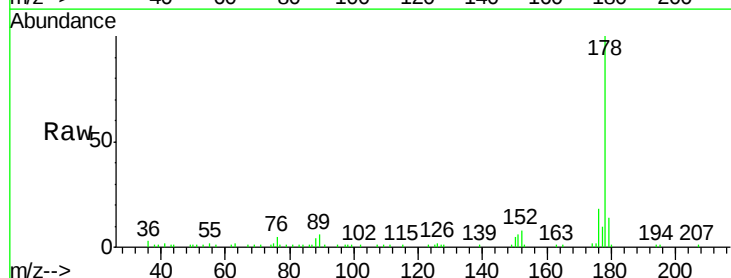
Tgt Ion:178 Resp: 77514

Ion Ratio Lower Upper

178 100

176 17.6 14.8 22.2

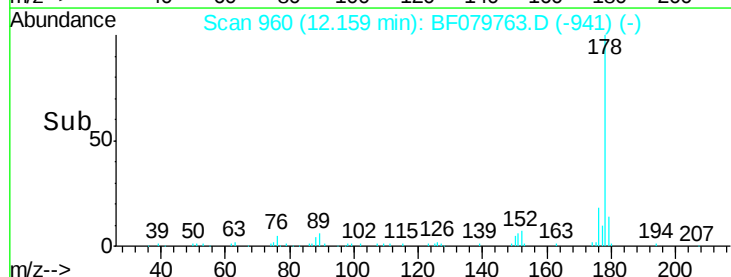
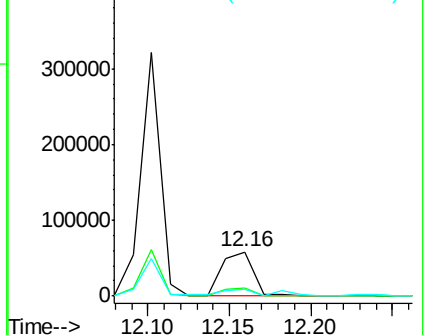
179 14.3 12.2 18.2

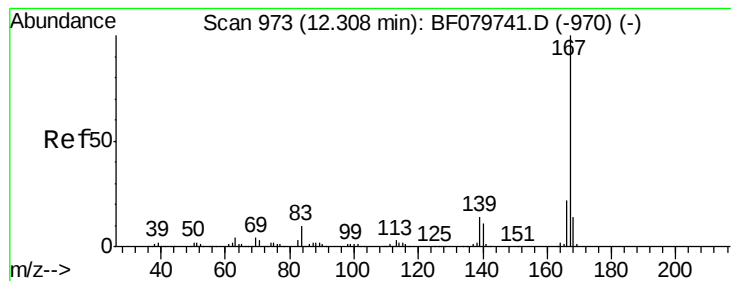


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 1.04 ng

RT: 12.30 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

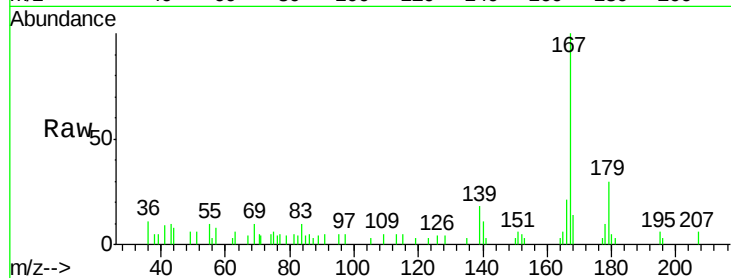
Tot Ion:167 Resp: 14497

Ion Ratio Lower Upper

167 100

166 21.5 17.7 26.5

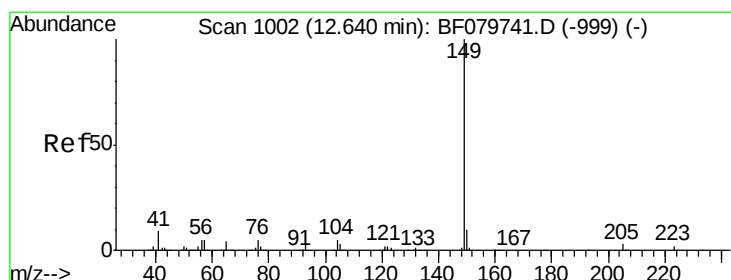
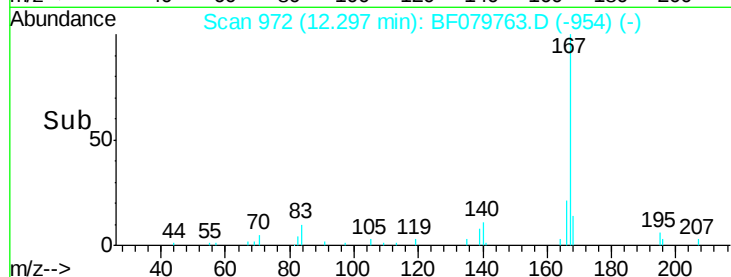
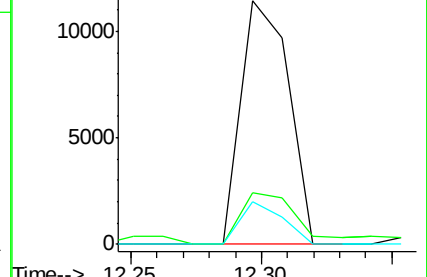
139 17.6 9.3 13.9#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.17 ng

RT: 12.63 min Scan# 1001

Delta R.T. 0.01 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

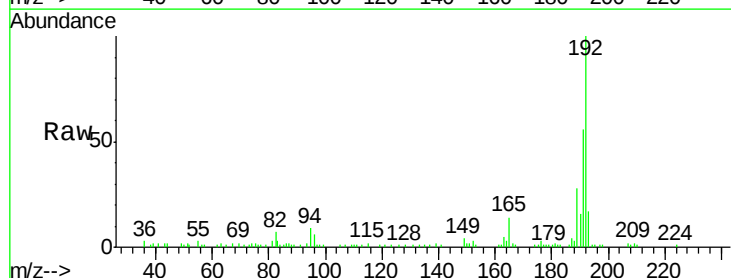
Tgt Ion:149 Resp: 2723

Ion Ratio Lower Upper

149 100

150 56.2 9.8 14.8#

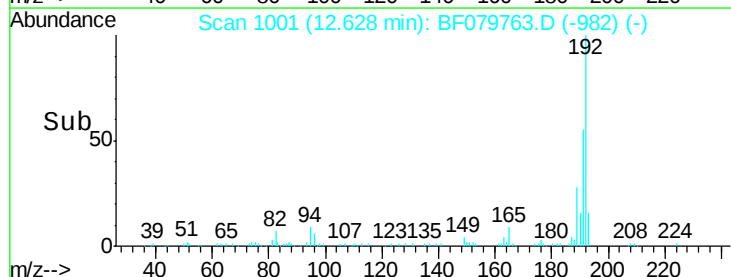
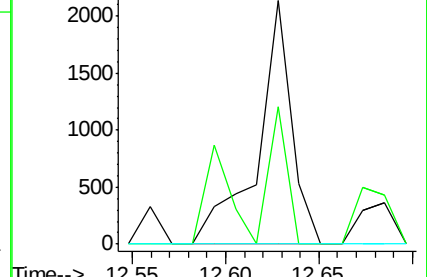
104 0.0 12.9 19.3#

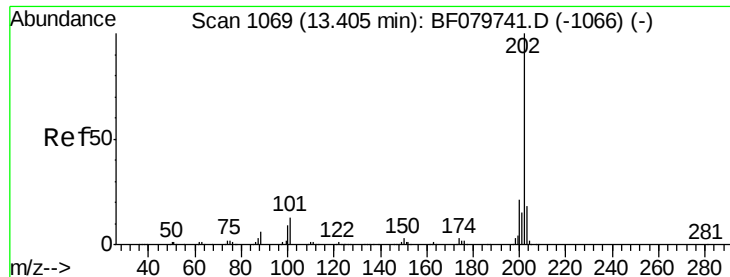


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 33.80 ng

RT: 13.38 min Scan# 1067

Delta R.T. 0.02 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

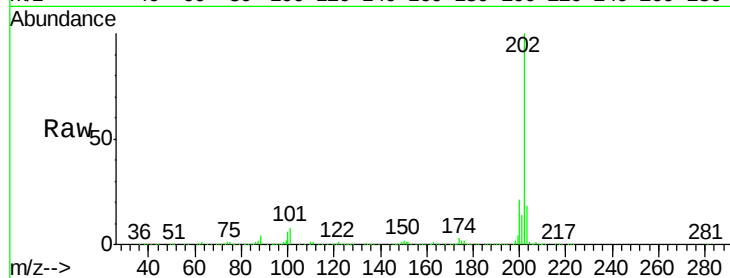
Tot Ion:202 Resp: 551931

Ion Ratio Lower Upper

202 100

101 8.0 0.0 31.3

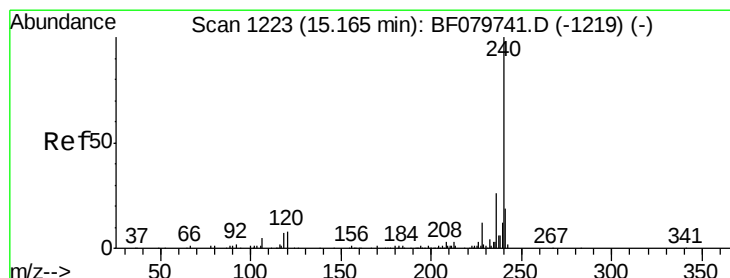
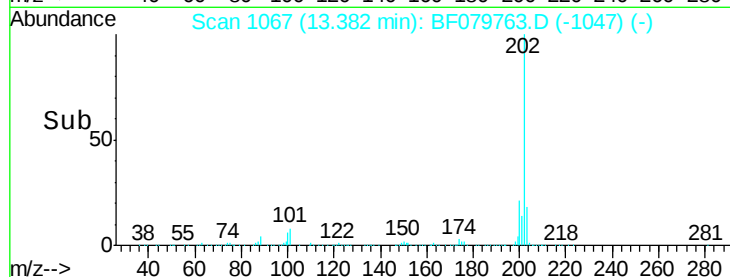
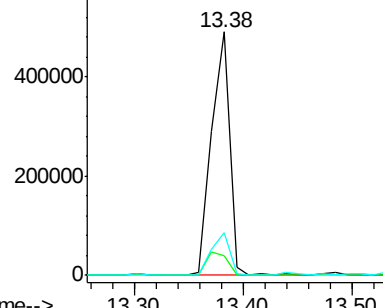
203 17.7 0.0 38.4



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: 15.07 min Scan# 1215

Delta R.T. 0.06 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

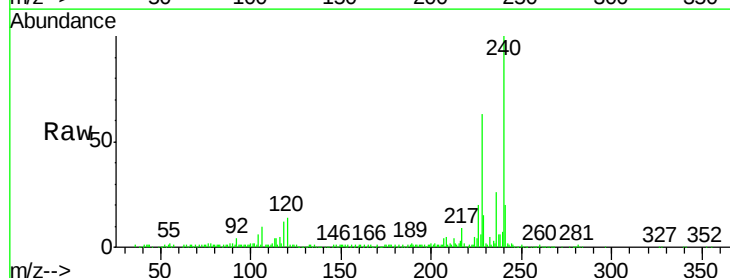
Tgt Ion:240 Resp: 265612

Ion Ratio Lower Upper

240 100

120 13.9 6.2 9.2#

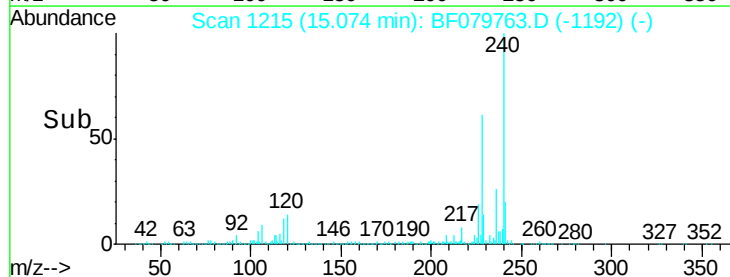
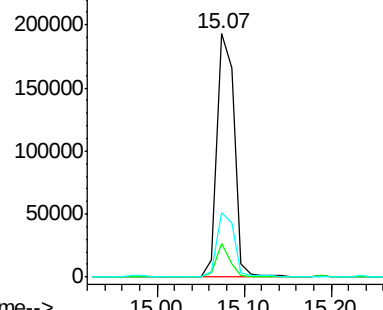
236 26.3 21.0 31.4

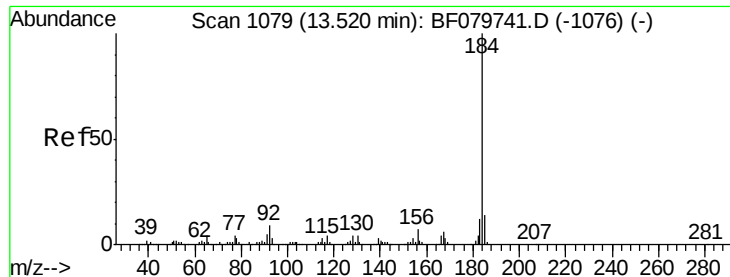


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.03 ng

RT: 13.53 min Scan# 1080

Delta R.T. 0.07 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

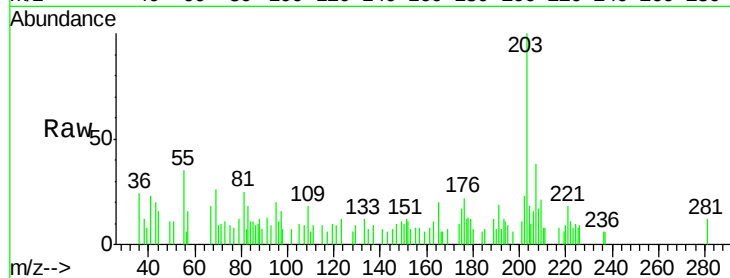
Tot Ion:184 Resp: 211

Ion Ratio Lower Upper

184 100

185 121.8 12.2 18.2#

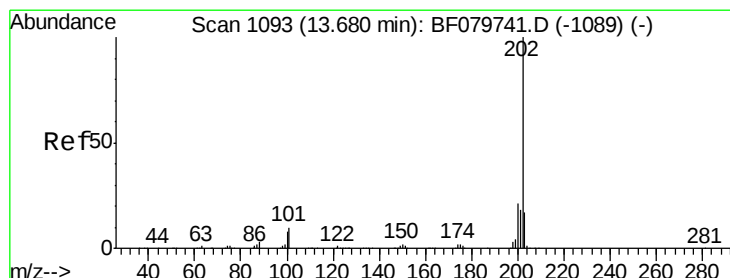
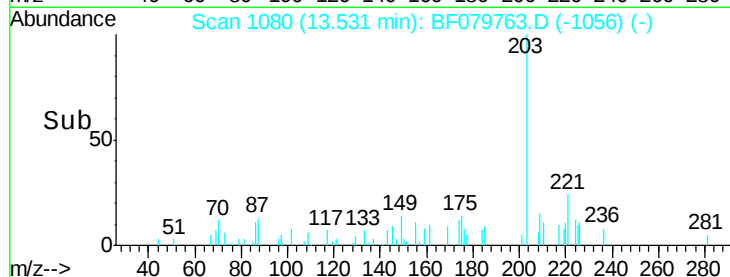
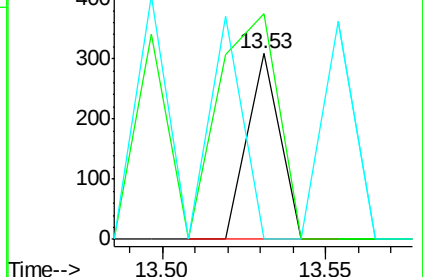
183 0.0 9.3 13.9#



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

Pyrene

Concen: 33.58 ng

RT: 13.65 min Scan# 1090

Delta R.T. 0.03 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

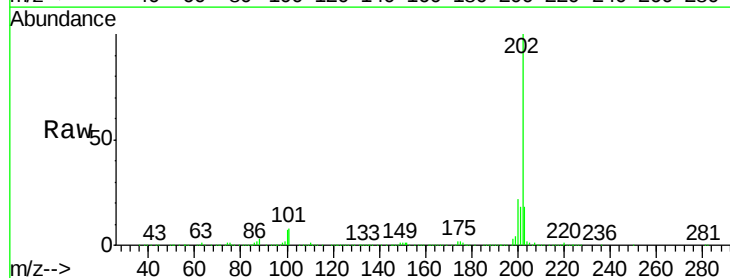
Tgt Ion:202 Resp: 546786

Ion Ratio Lower Upper

202 100

200 21.8 17.5 26.3

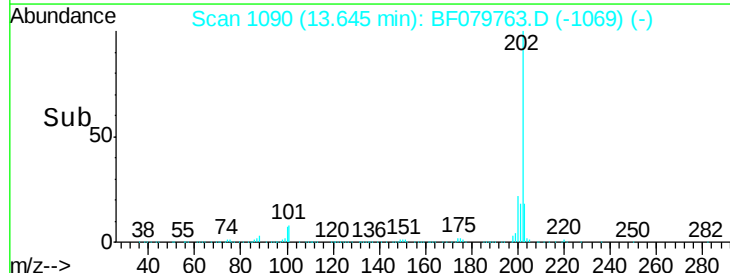
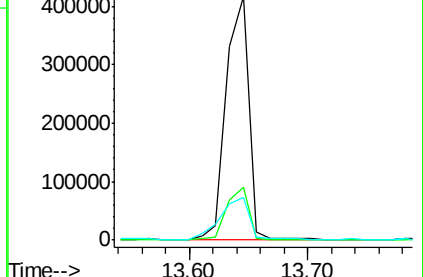
203 17.8 14.8 22.2

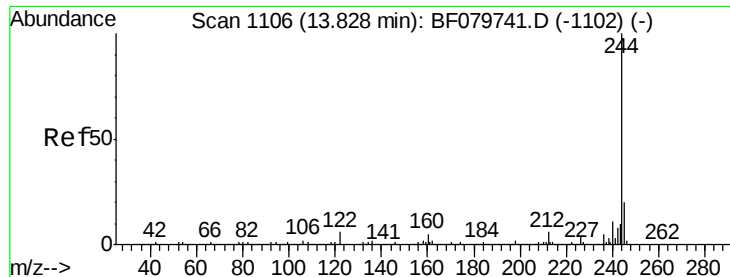


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.94 ng

RT: 13.78 min Scan# 1102

Delta R.T. 0.03 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

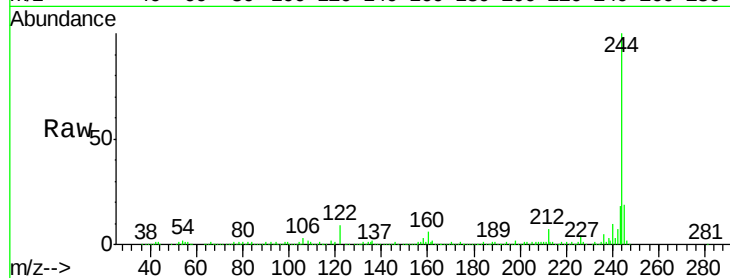
Tot Ion:244 Resp: 369683

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

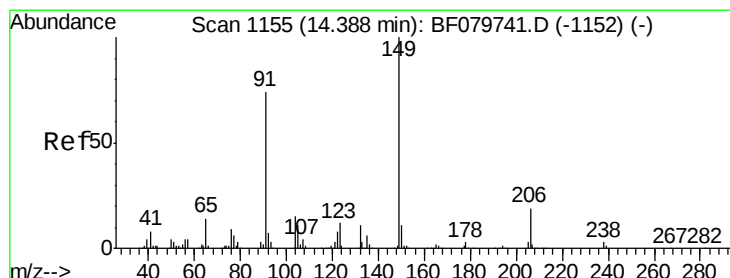
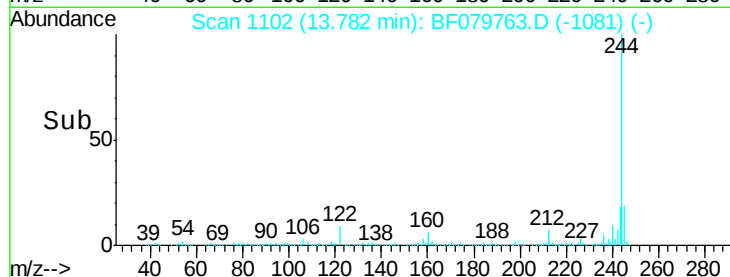
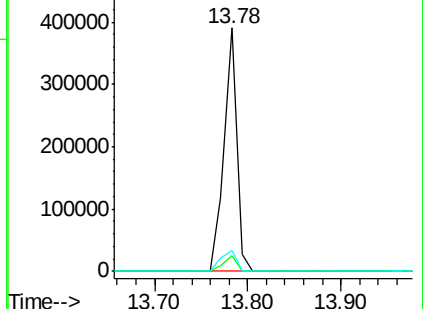
122 8.7 9.3 13.9#



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: 0.18 ng

RT: 14.30 min Scan# 1147

Delta R.T. 0.01 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

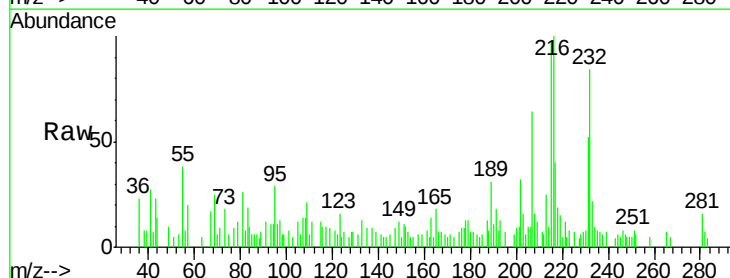
Tgt Ion:149 Resp: 1173

Ion Ratio Lower Upper

149 100

91 103.6 64.4 96.6#

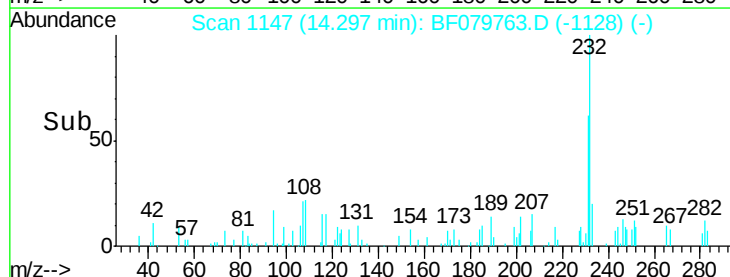
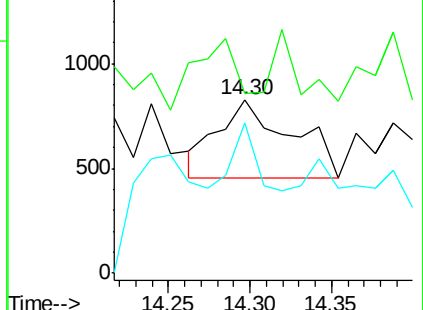
206 86.4 14.8 22.2#

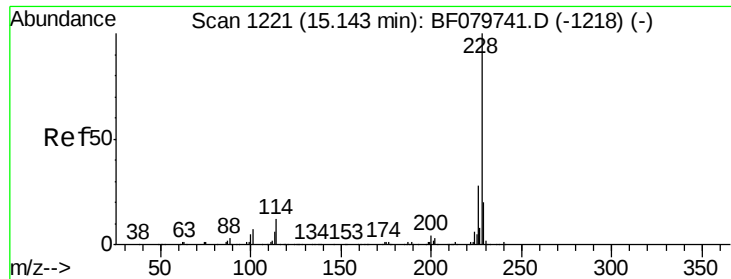


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

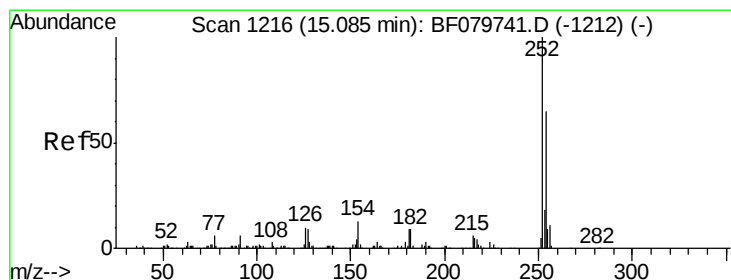
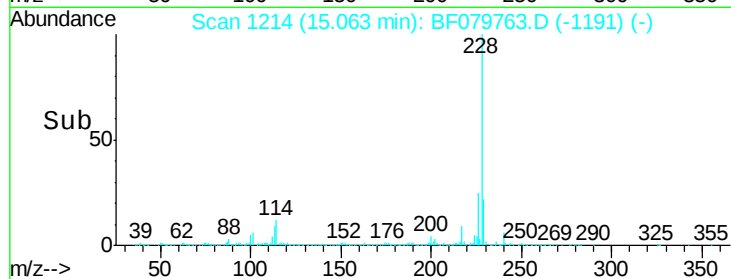
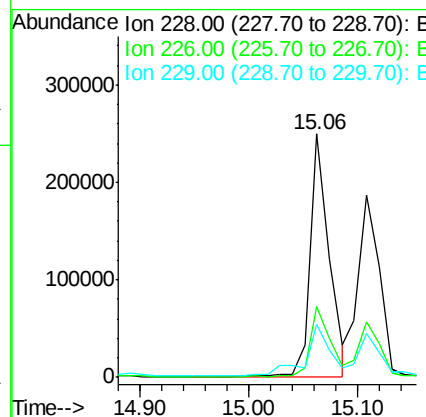
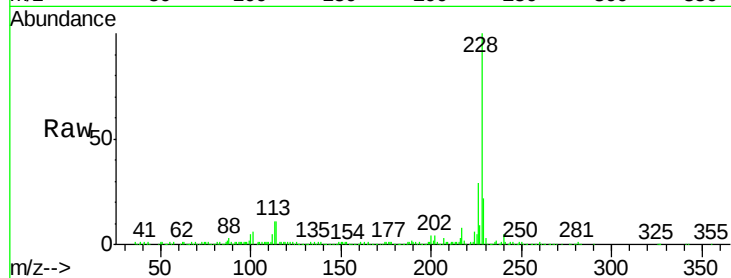




#80
Benzo(a)anthracene
Concen: 18.70 ng
RT: 15.06 min Scan# 1214
Delta R.T. 0.06 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

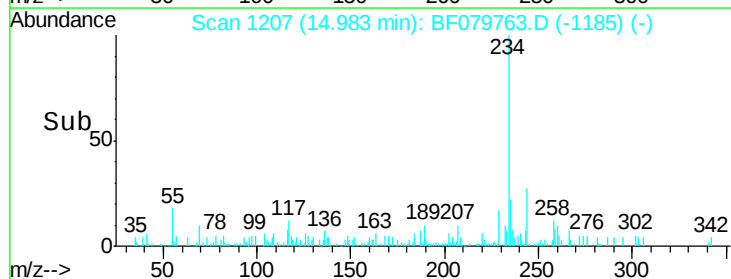
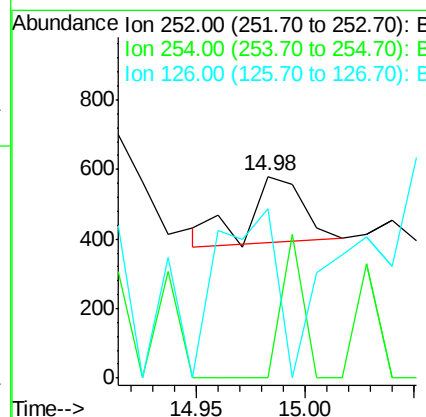
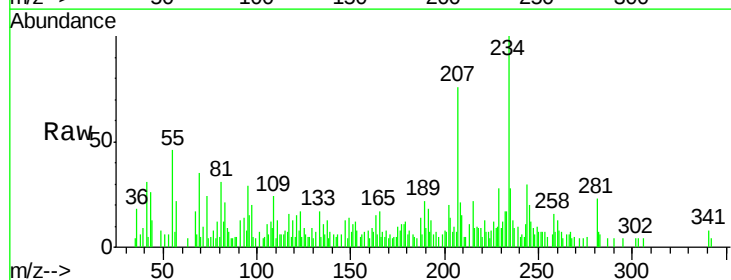
Instrument :
BNA_F
ClientSampleId :
SB-16AS

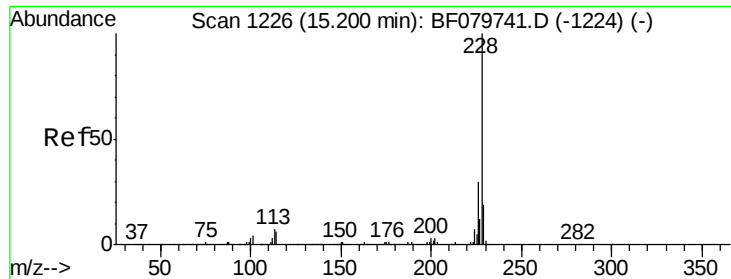
Tot Ion:228 Resp: 303972
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.4
229 21.7 16.6 25.0



#81
3,3'-Dichlorobenzidine
Concen: 0.06 ng
RT: 14.98 min Scan# 1207
Delta R.T. 0.05 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion:252 Resp: 330
Ion Ratio Lower Upper
252 100
254 0.0 52.0 78.0#
126 83.8 6.9 10.3#

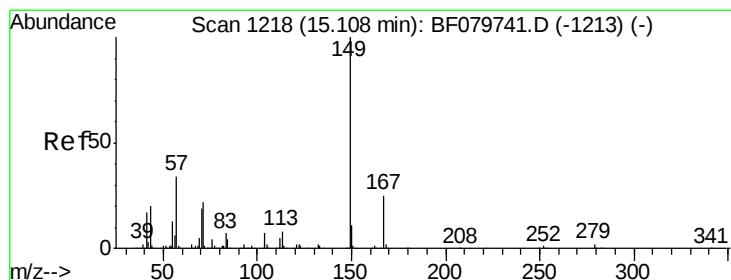
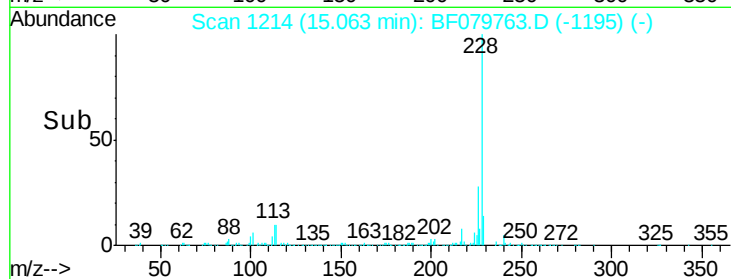
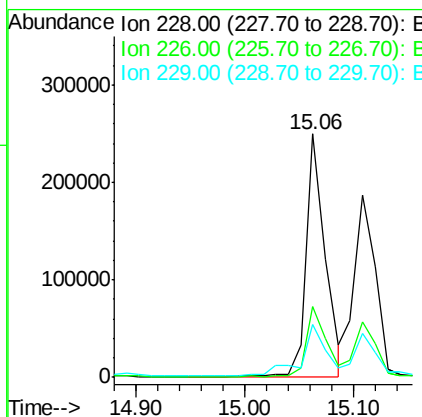
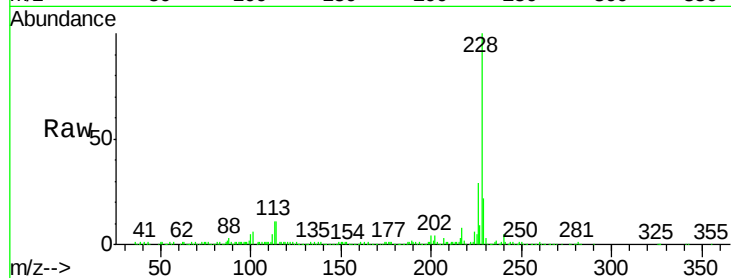




#82
 Chrysene
 Concen: 20.22 ng
 RT: 15.06 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: BF079763.D
 Acq: 6 Jun 2015 8:51

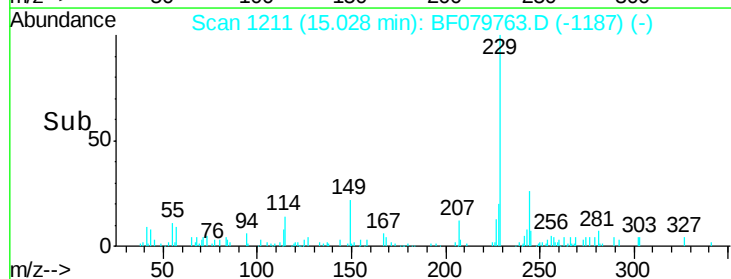
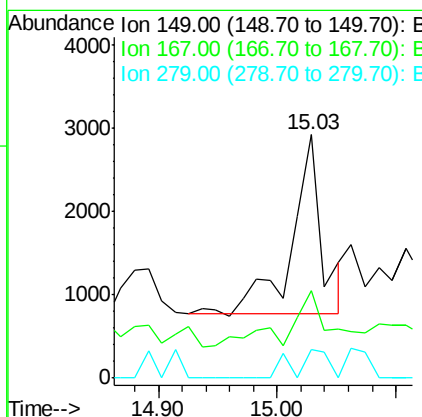
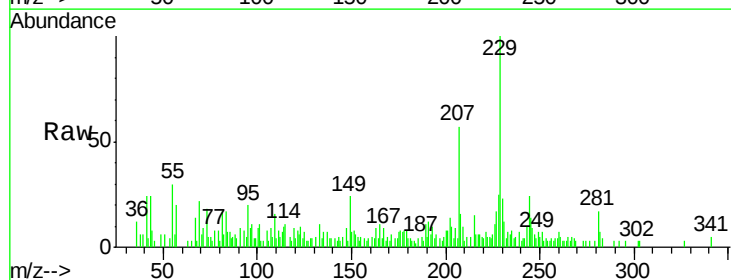
Instrument :
 BNA_F
 ClientSampleId :
 SB-16AS

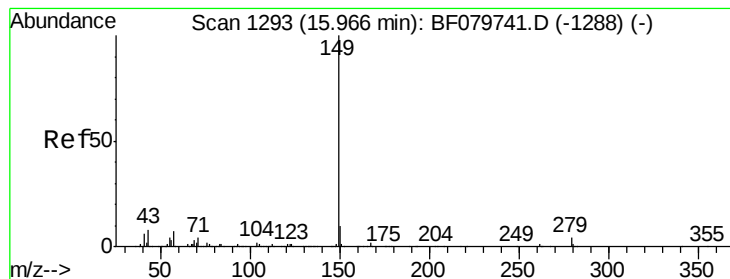
Tot Ion:228 Resp: 303972
 Ion Ratio Lower Upper
 228 100
 226 29.0 25.2 37.8
 229 21.7 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.37 ng
 RT: 15.03 min Scan# 1211
 Delta R.T. 0.07 min
 Lab File: BF079763.D
 Acq: 6 Jun 2015 8:51

Tgt Ion:149 Resp: 3771
 Ion Ratio Lower Upper
 149 100
 167 35.9 20.9 31.3#
 279 11.9 2.2 3.2#





#84

Di-n-octyl phthalate

Concen: 0.05 ng

RT: 15.78 min Scan# 1277

Delta R.T. 0.03 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

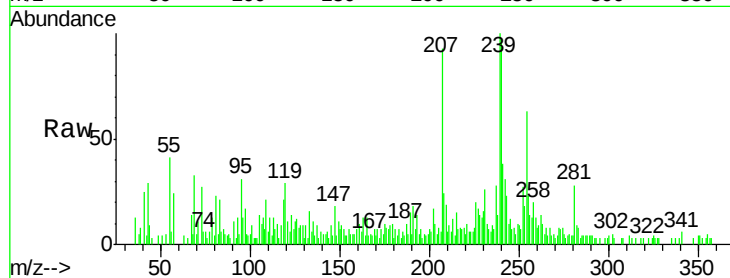
Tot Ion:149 Resp: 839

Ion Ratio Lower Upper

149 100

167 37.5 1.3 1.9#

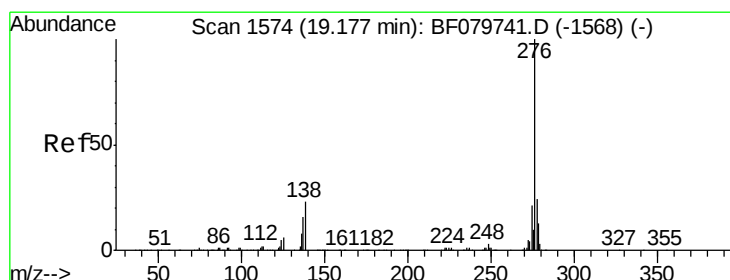
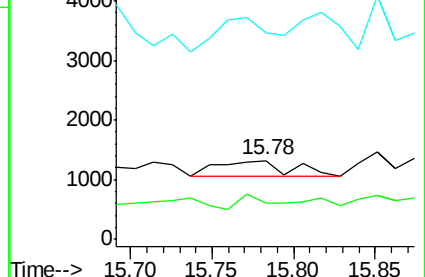
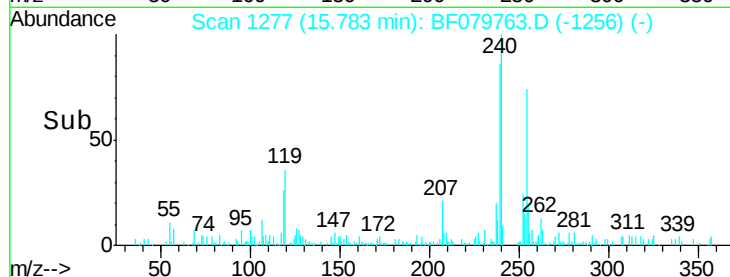
43 174.5 9.0 13.4#



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: 9.44 ng

RT: 19.05 min Scan# 1563

Delta R.T. 0.10 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

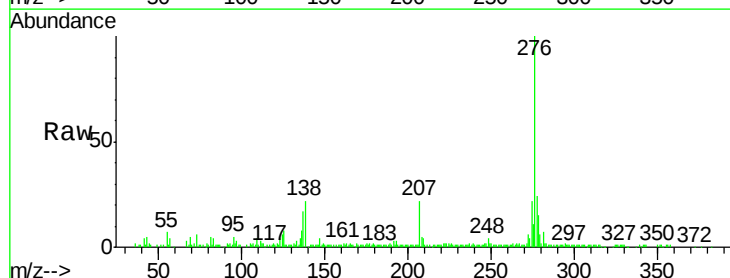
Tgt Ion:276 Resp: 164324

Ion Ratio Lower Upper

276 100

138 23.5 20.8 31.2

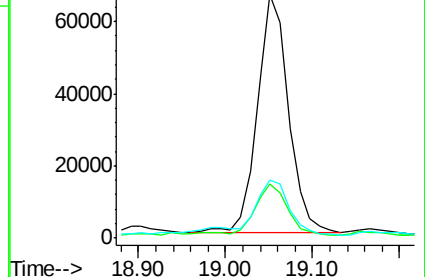
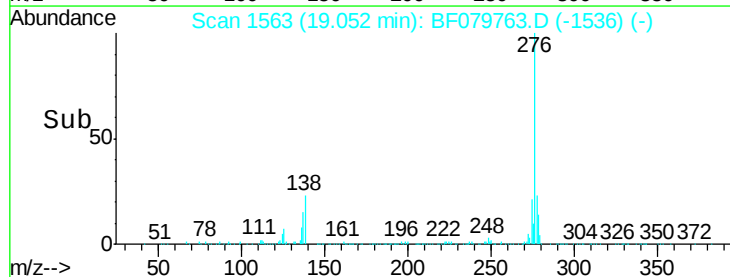
277 24.3 20.0 30.0

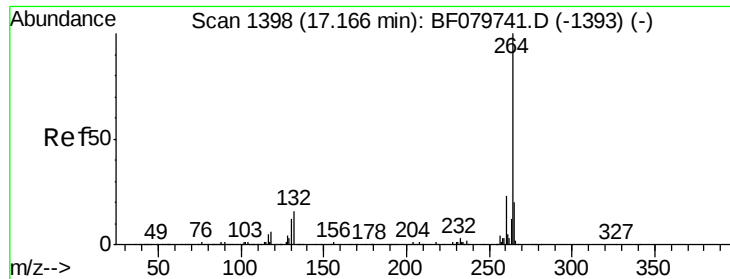


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



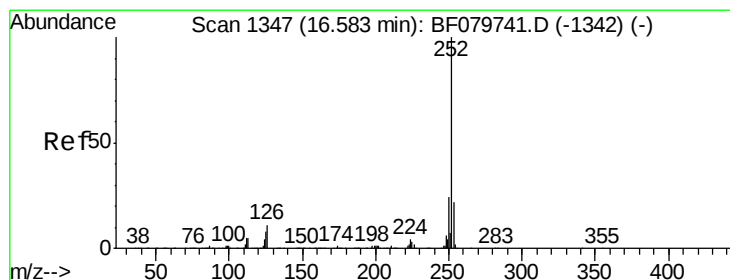
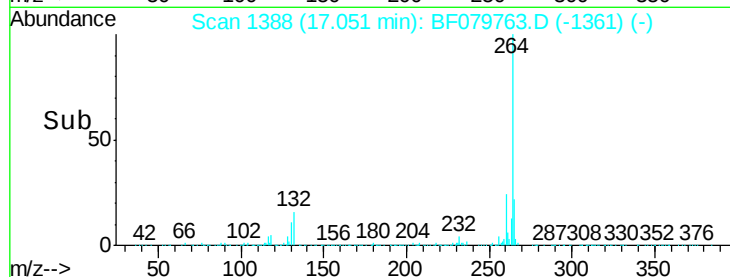
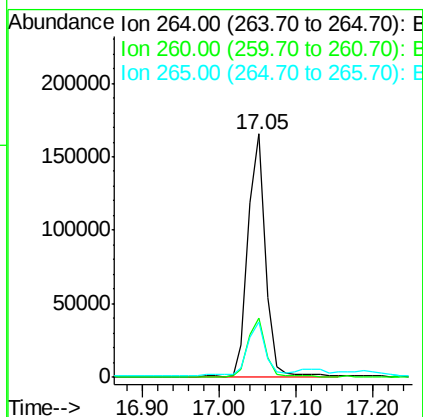
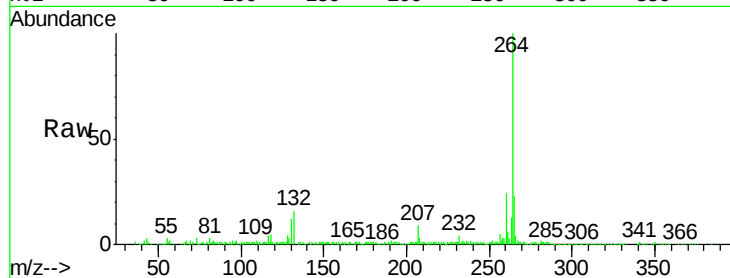


#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.05 min Scan# 1388
Delta R.T. 0.10 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampleId :
SB-16AS

Tot Ion:264 Resp: 258020

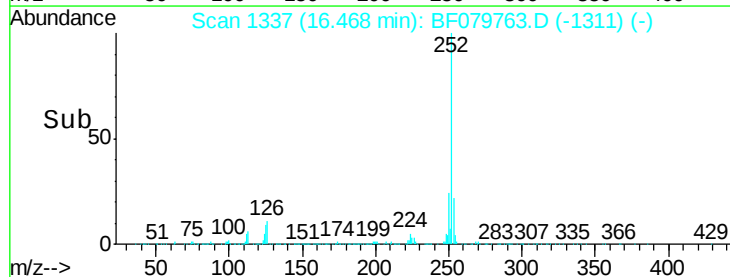
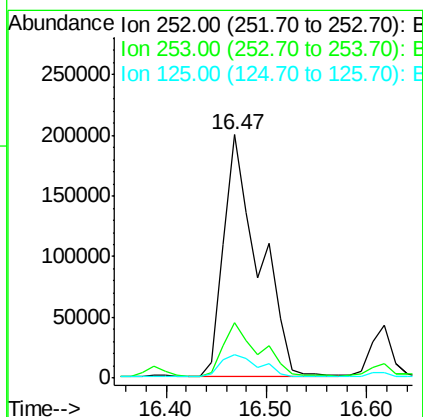
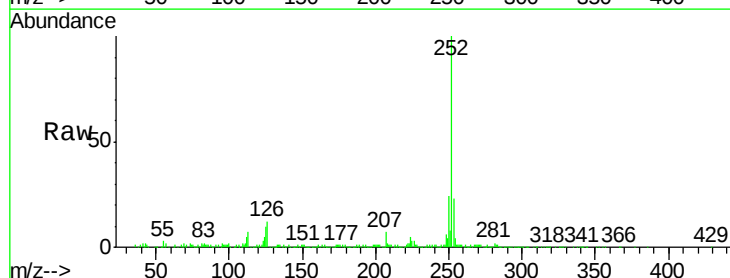
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	23.0	18.2	27.4

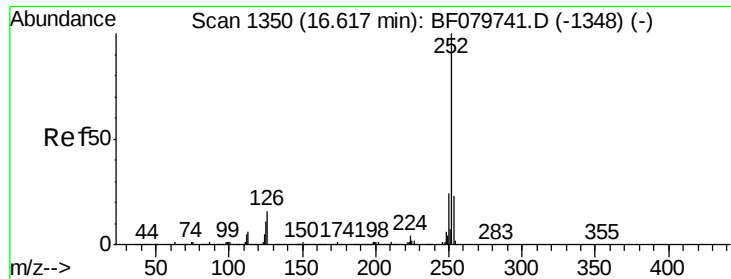


#87
Benzo(b)fluoranthene
Concen: 30.32 ng
RT: 16.47 min Scan# 1337
Delta R.T. 0.09 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion:252 Resp: 485978

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	9.8	6.5	9.7#

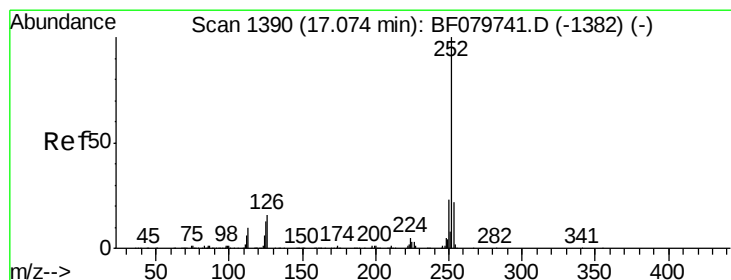
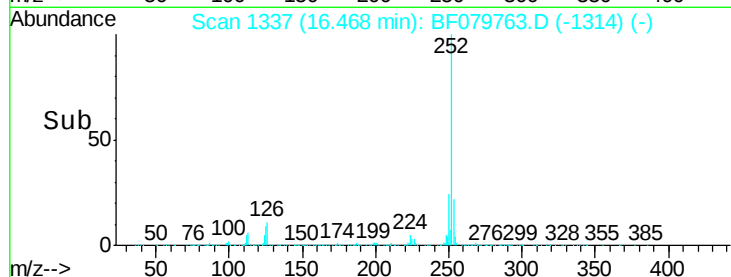
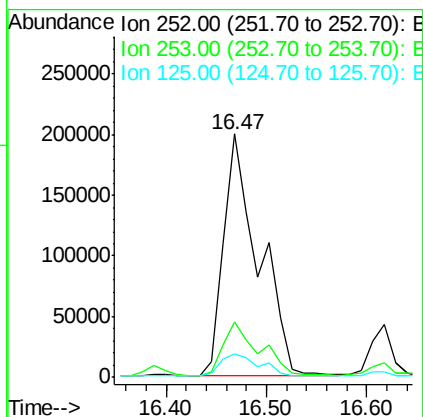
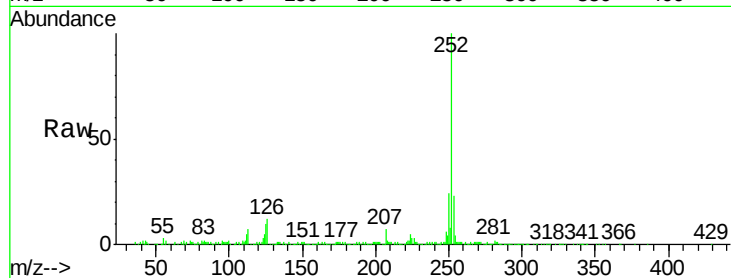




#88
Benzo(k)fluoranthene
Concen: 31.61 ng
RT: 16.47 min Scan# 1337
Delta R.T. 0.06 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

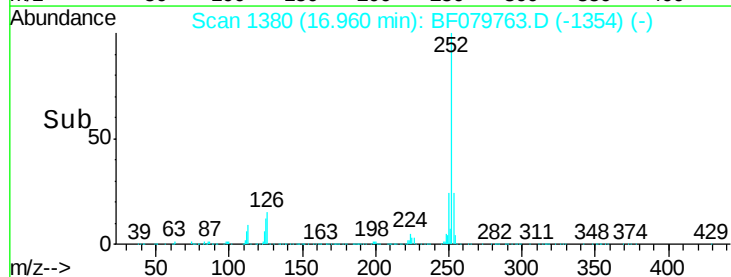
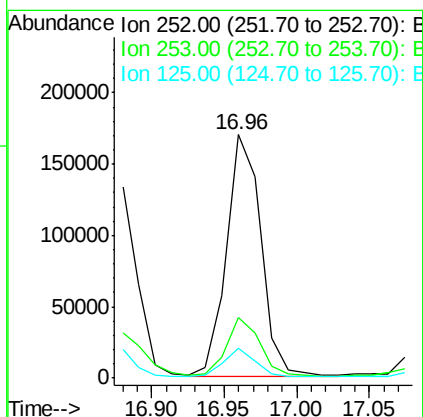
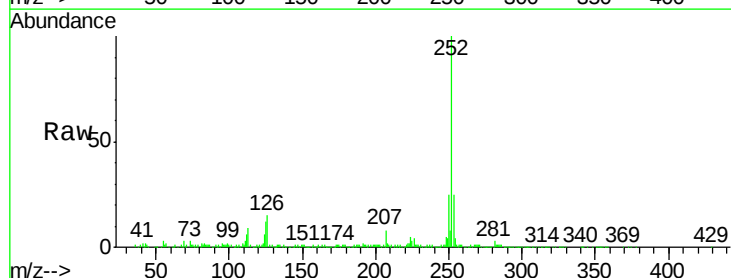
Instrument :
BNA_F
ClientSampleId :
SB-16AS

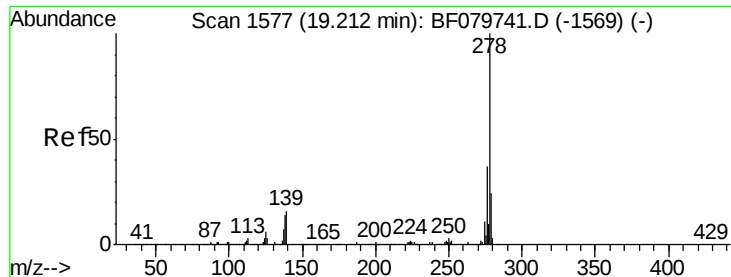
Tot Ion:252 Resp: 485978
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 9.8 8.4 12.6



#89
Benzo(a)pyrene
Concen: 18.77 ng
RT: 16.96 min Scan# 1380
Delta R.T. 0.09 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion:252 Resp: 277801
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 12.3 7.4 11.0#





#90

Dibenzo(a,h)anthracene

Concen: 2.90 ng

RT: 19.07 min Scan# 1565

Delta R.T. 0.10 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

ClientSampleId :

SB-16AS

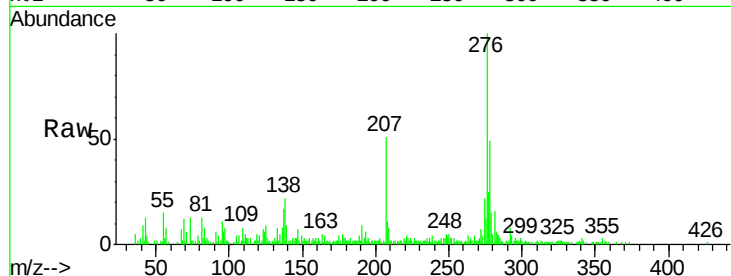
Tot Ion:278 Resp: 41481

Ion Ratio Lower Upper

278 100

139 19.0 12.7 19.1

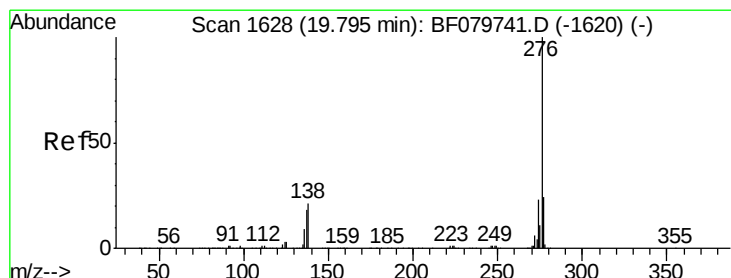
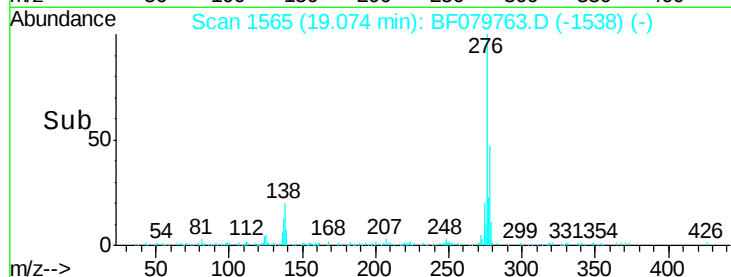
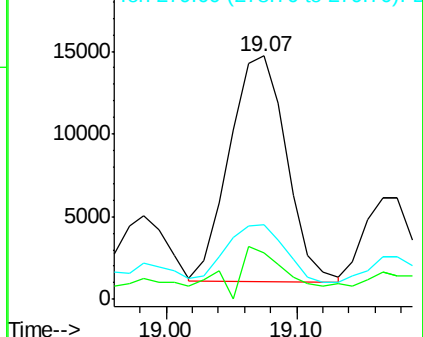
279 30.7 19.4 29.2#



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(g,h,i)perylene

Concen: 11.55 ng

RT: 19.67 min Scan# 1617

Delta R.T. 0.10 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

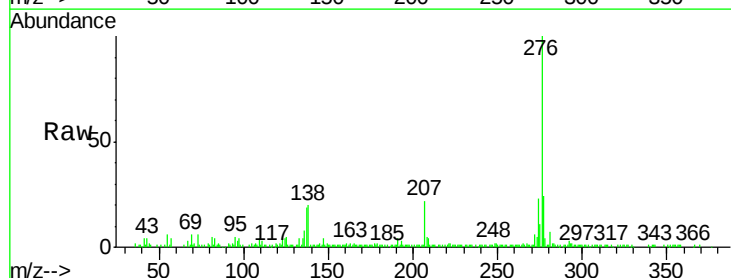
Tgt Ion:276 Resp: 170588

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 20.3 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

