

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041315\
 Data File : BF078495.D
 Acq On : 14 Apr 2015 9:54
 Operator : TP/IZ
 Sample : G1787-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SD03C

Quant Time: Apr 14 11:46:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 11:28:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	34997	20.00	ng	0.00
21) Naphthalene-d8	8.40	136	145621	20.00	ng	-0.01
38) Acenaphthene-d10	10.56	164	72654	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	135129	20.00	ng	0.00
75) Chrysene-d12	15.66	240	146808	20.00	ng	0.01
86) Perylene-d12	17.44	264	149070	20.00	ng	0.15

System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	255327	120.29	ng	0.01
7) Phenol-d6	6.43	99	328366	123.44	ng	0.00
23) Nitrobenzene-d5	7.53	82	180914	75.30	ng	0.00
41) 2,4,6-Tribromophenol	11.54	330	71675	118.95	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	223149	43.90	ng	0.00
78) Terphenyl-d14	14.38	244	252468	38.86	ng	0.00

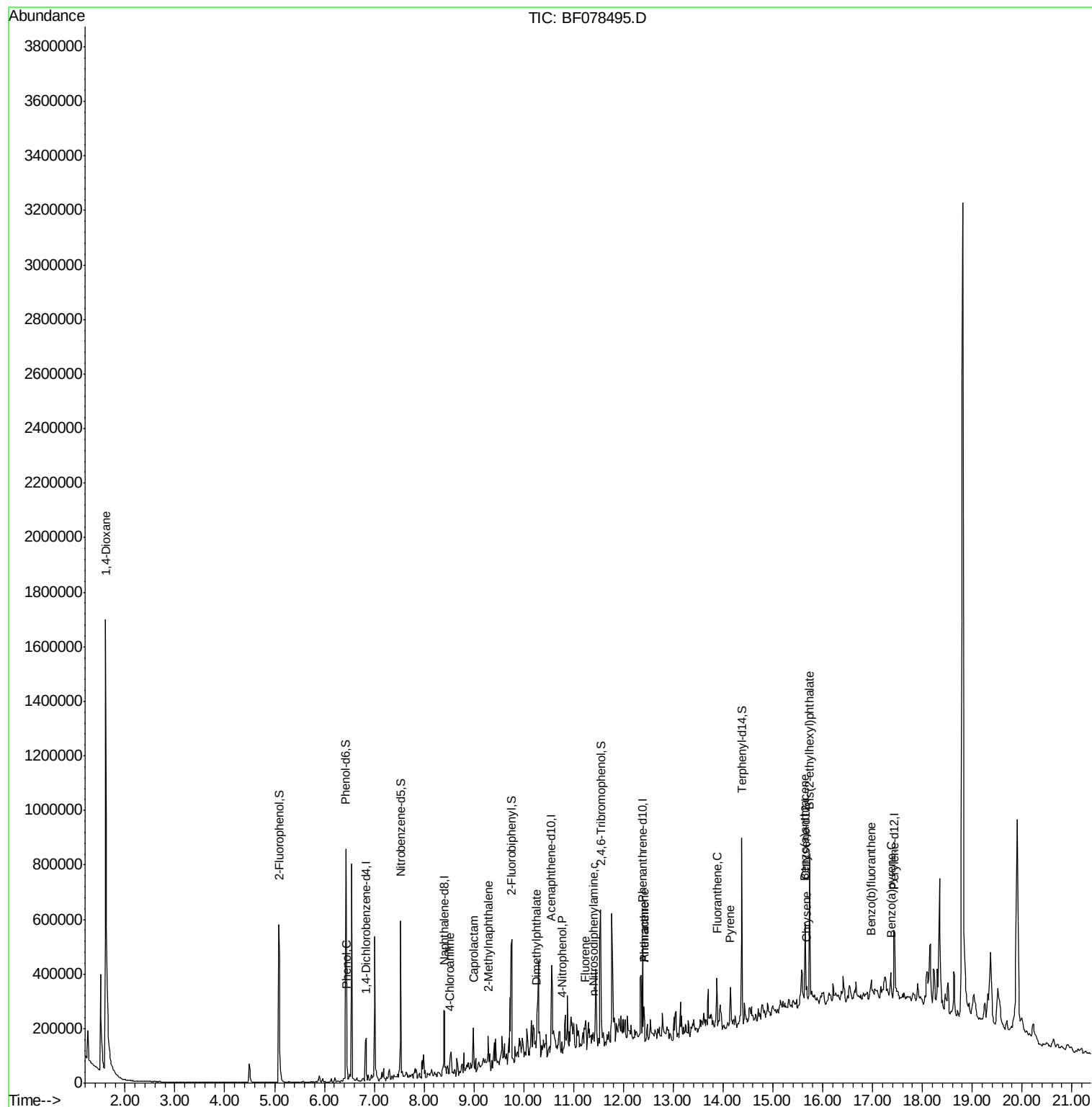
Target Compounds						Qvalue
2) 1,4-Dioxane	1.61	88	71827	74.83	ng	# 23
10) Phenol	6.44	94	9874	3.10	ng	# 54
33) 4-Chloroaniline	8.52	127	24908	7.92	ng	98
35) Caprolactam	8.99	113	4673	7.73	ng	# 57
37) 2-Methylnaphthalene	9.29	142	25949	5.04	ng	94
49) Dimethylphthalate	10.26	163	20387	3.74	ng	# 98
55) 4-Nitrophenol	10.77	139	589	3.37	ng	# 14
57) Fluorene	11.23	166	10632	2.02	ng	# 93
65) n-Nitrosodiphenylamine	11.41	169	15854	3.39	ng	# 54
70) Phenanthrene	12.41	178	56325	7.21	ng	97
71) Anthracene	12.41	178	52150	6.77	ng	98
74) Fluoranthene	13.87	202	59254	7.19	ng	97
77) Pyrene	14.15	202	54356	5.90	ng	# 94
80) Benzo(a)anthracene	15.65	228	26852	3.07	ng	# 93
82) Chrysene	15.68	228	25308	3.08	ng	# 95
83) Bis(2-ethylhexyl)phthalate	15.74	149	210994	38.30	ng	# 97
87) Benzo(b)fluoranthene	16.97	252	38262	4.15	ng	# 75
89) Benzo(a)pyrene	17.37	252	20768	2.58	ng	# 70

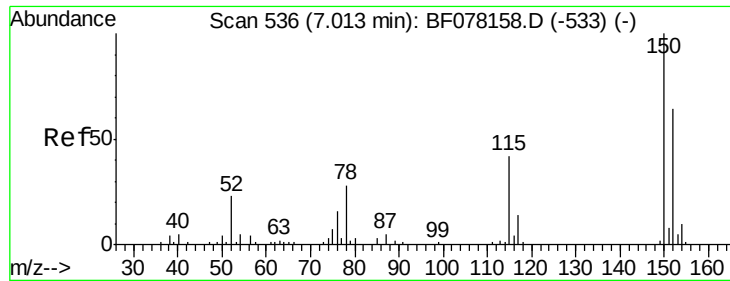
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

Instrument :

BNA_F

ClientSampleId :

LS-SD03C

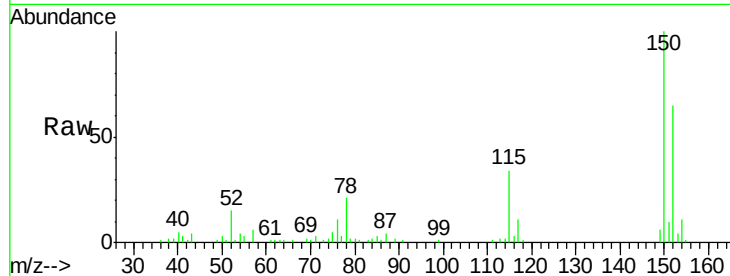
Tgt Ion:152 Resp: 34997

Ion Ratio Lower Upper

152 100

150 154.4 125.9 188.9

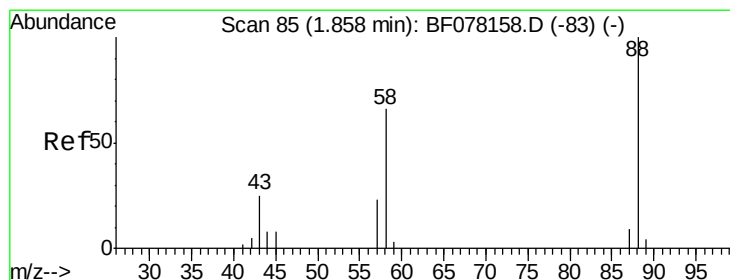
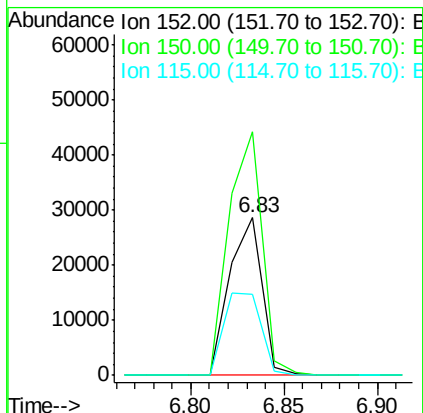
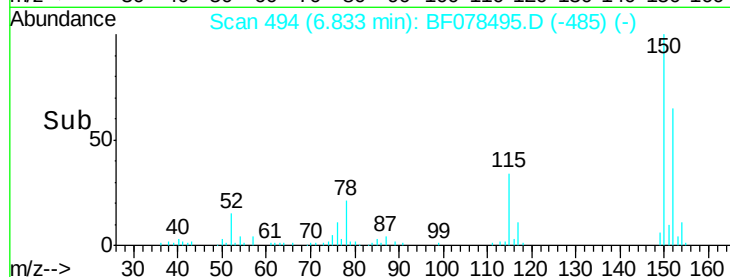
115 51.8 52.7 79.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 74.83 ng

RT: 1.61 min Scan# 37

Delta R.T. 0.00 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

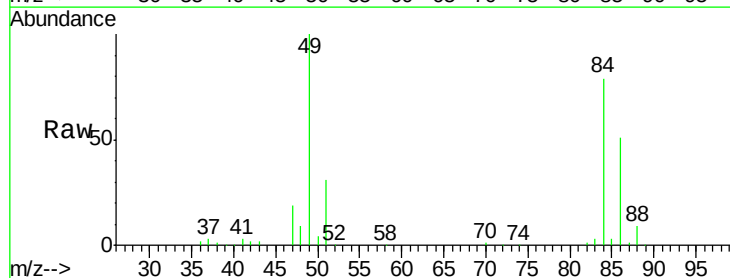
Tgt Ion: 88 Resp: 71827

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

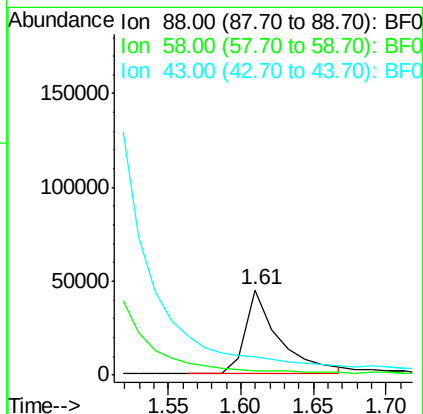
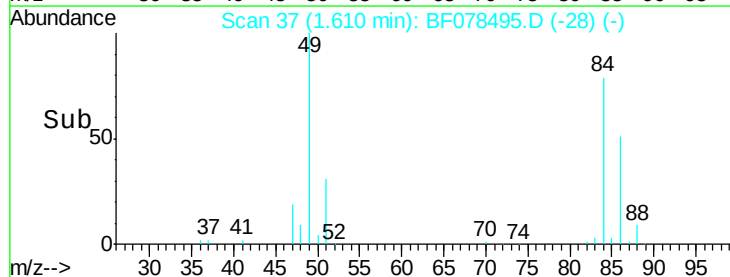
43 0.0 21.4 32.2#

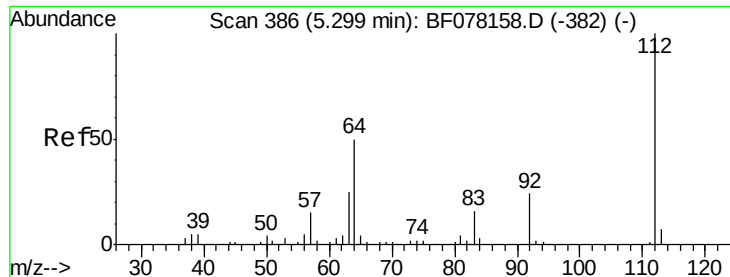


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 120.29 ng

RT: 5.08 min Scan# 341

Delta R.T. 0.01 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

Instrument :

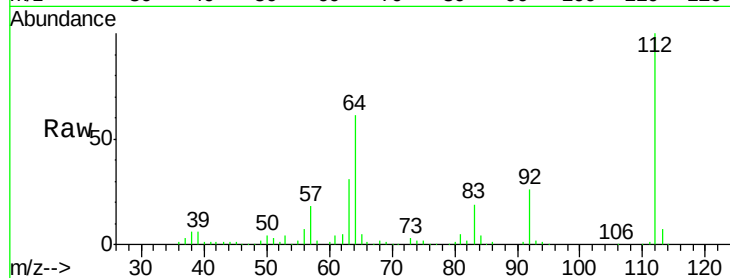
BNA_F

ClientSampleId :

LS-SD03C

Tgt Ion: 112 Resp: 255327

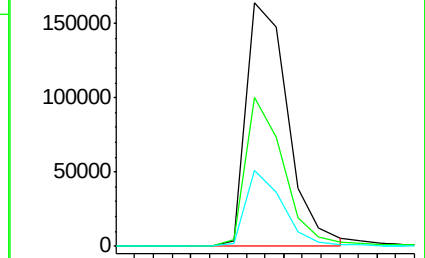
Ion	Ratio	Lower	Upper
112	100		
64	61.3	39.9	59.9#
63	31.4	20.2	30.4#



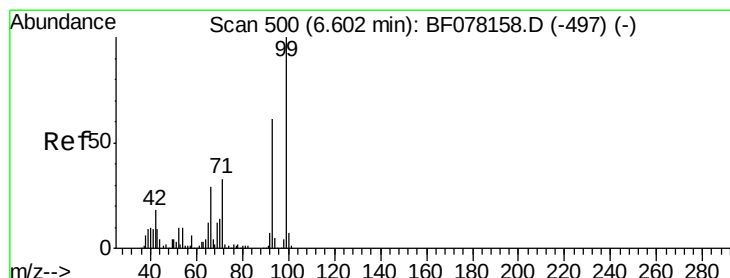
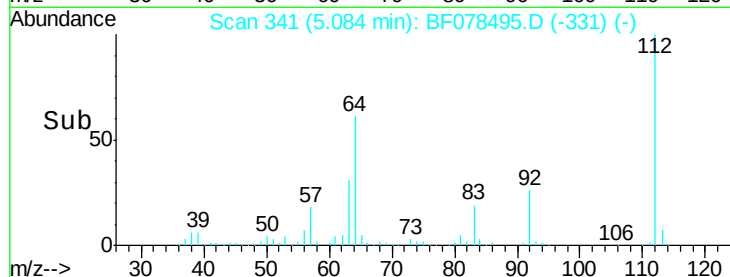
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 123.44 ng

RT: 6.43 min Scan# 459

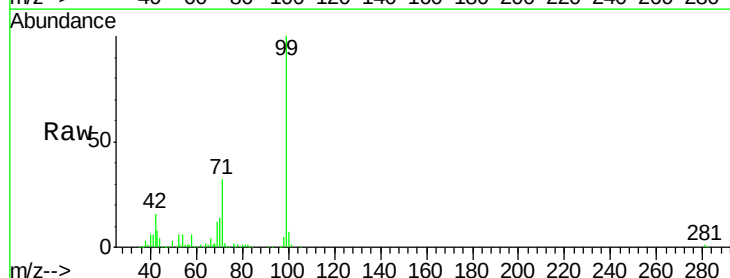
Delta R.T. 0.00 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

Tgt Ion: 99 Resp: 328366

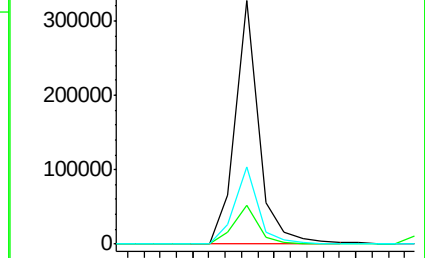
Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.8	22.2
71	31.6	26.6	39.8



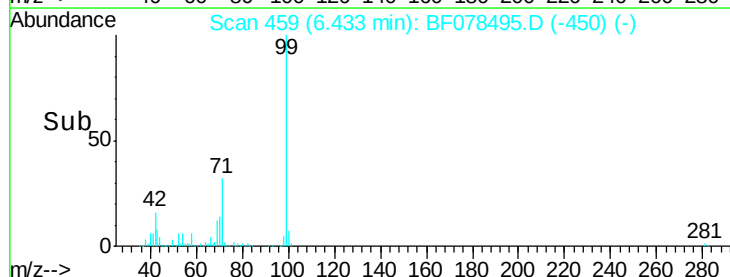
Abundance Ion 99.00 (98.70 to 99.70): BF0

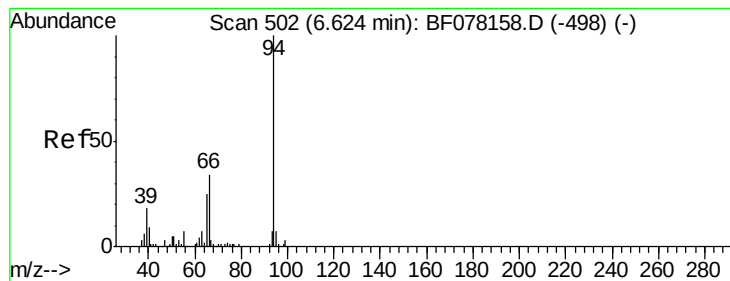
Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->





#10

Phenol

Concen: 3.10 ng

RT: 6.44 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

Instrument :

BNA_F

ClientSampleId :

LS-SD03C

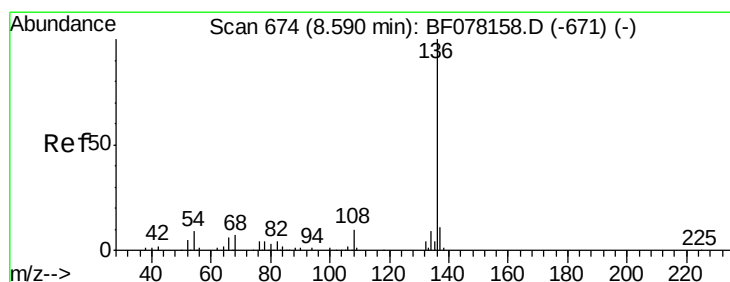
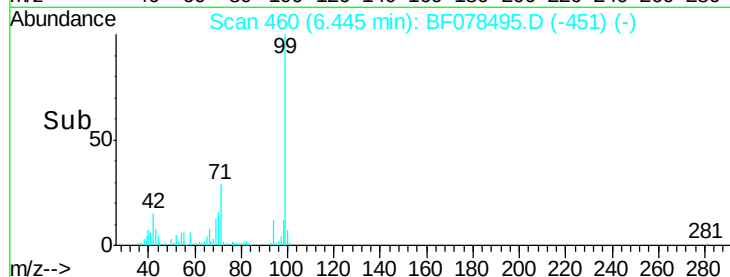
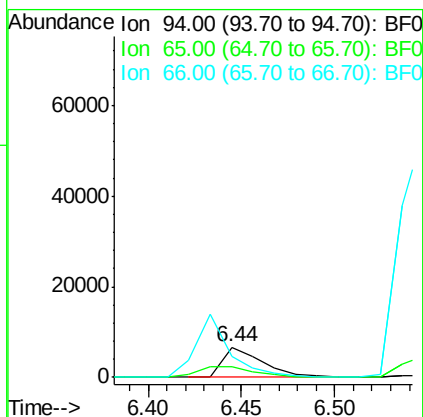
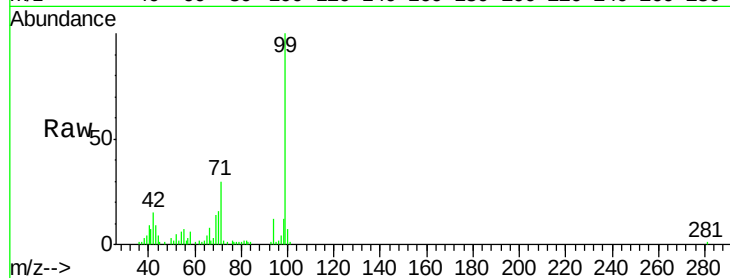
Tgt Ion: 94 Resp: 9874

Ion Ratio Lower Upper

94 100

65 35.0 4.9 44.9

66 70.7 13.8 53.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.40 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

Tgt Ion: 136 Resp: 145621

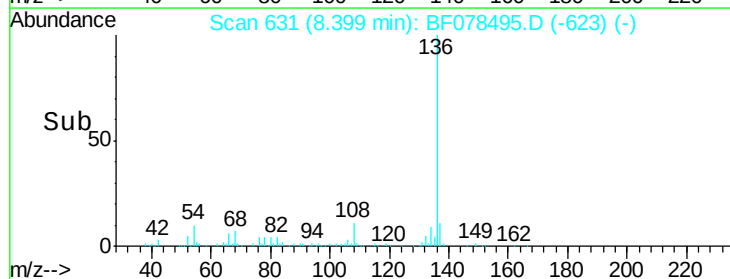
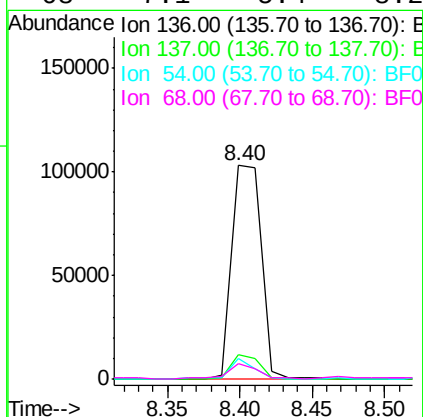
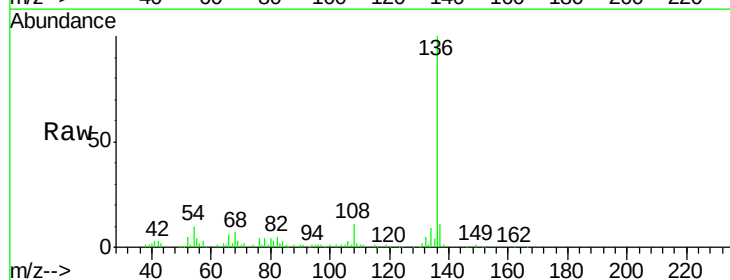
Ion Ratio Lower Upper

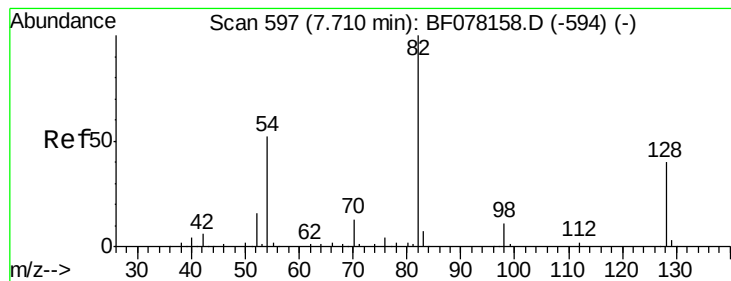
136 100

137 11.4 9.0 13.4

54 9.8 7.0 10.6

68 7.1 5.4 8.2





#23

Nitrobenzene-d5

Concen: 75.30 ng

RT: 7.53 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

Instrument :

BNA_F

ClientSampleId :

LS-SD03C

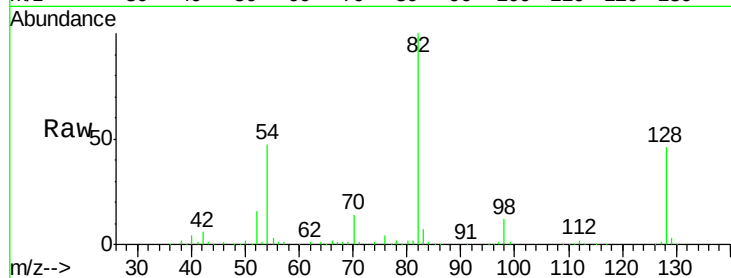
Tgt Ion: 82 Resp: 180914

Ion Ratio Lower Upper

82 100

128 46.4 31.8 47.8

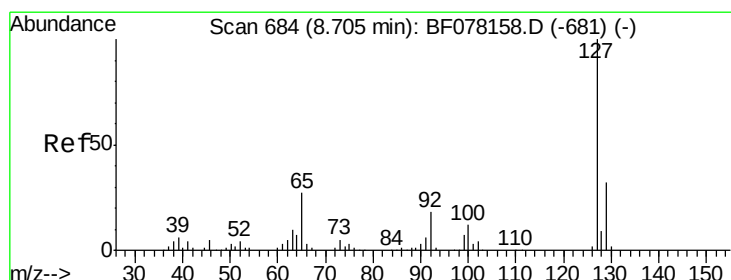
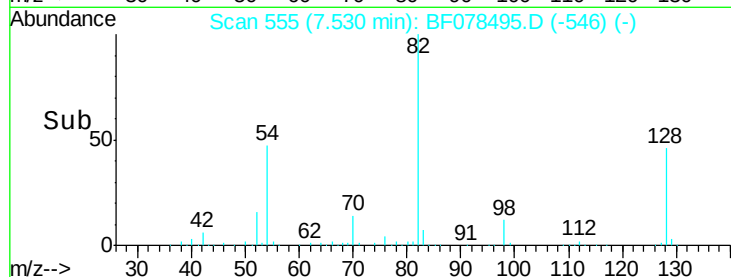
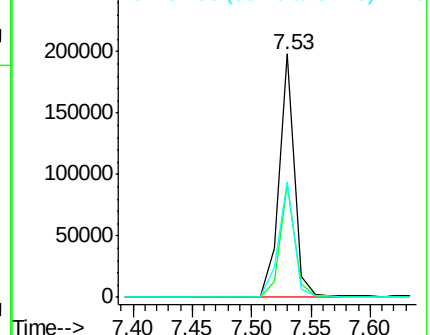
54 47.3 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#33

4-Chloroaniline

Concen: 7.92 ng

RT: 8.52 min Scan# 642

Delta R.T. 0.00 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

Tgt Ion: 127 Resp: 24908

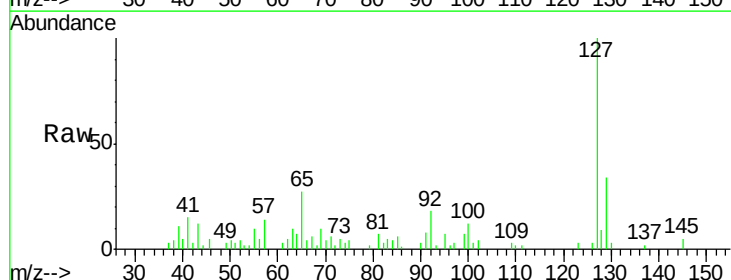
Ion Ratio Lower Upper

127 100

129 33.7 25.5 38.3

65 27.4 21.7 32.5

92 18.4 14.6 21.8

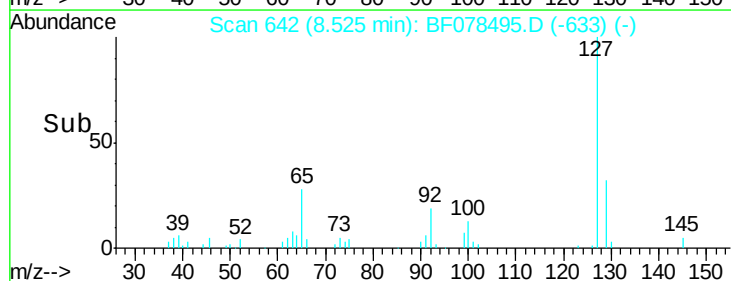
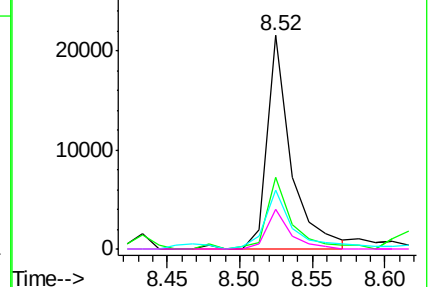


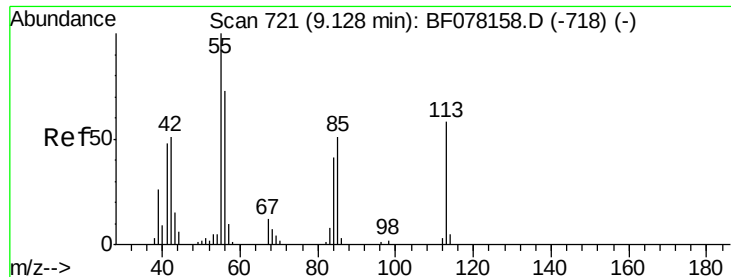
Abundance Ion 127.00 (126.70 to 127.70): BF0

Ion 129.00 (128.70 to 129.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

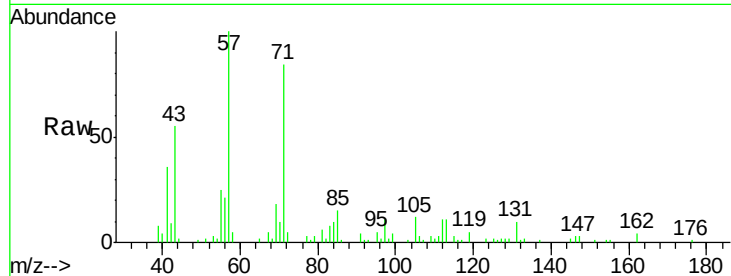




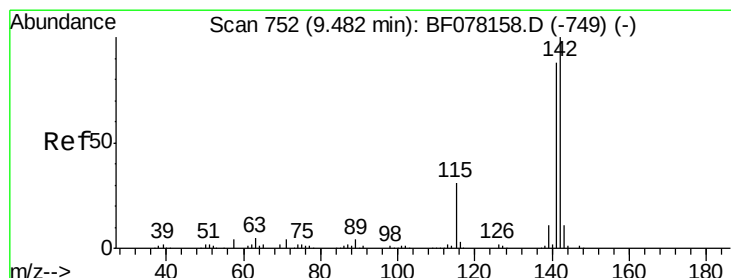
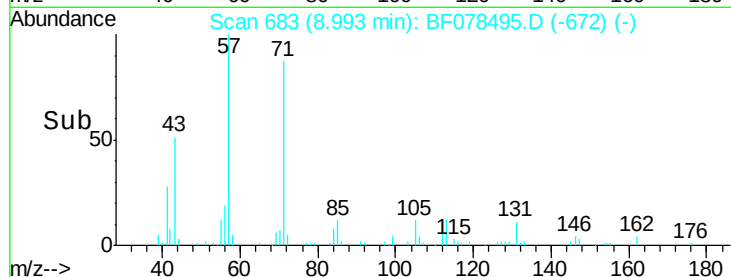
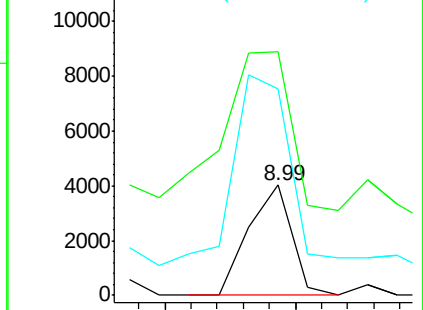
#35
 Caprolactam
 Concen: 7.73 ng
 RT: 8.99 min Scan# 683
 Delta R.T. 0.02 min
 Lab File: BF078495.D
 Acq: 14 Apr 2015 9:54

Instrument :
 BNA_F
 ClientSampleId :
 LS-SD03C

Tgt Ion:113 Resp: 4673
 Ion Ratio Lower Upper
 113 100
 55 221.0 151.9 191.9#
 56 187.9 106.1 146.1#

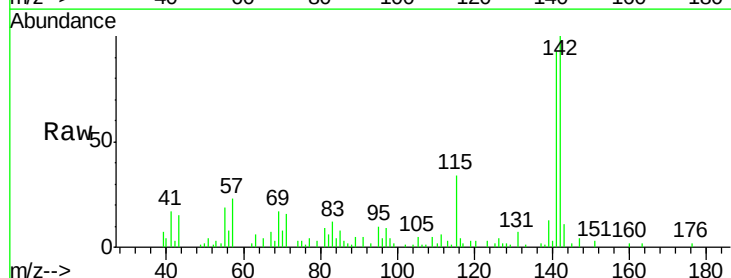


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

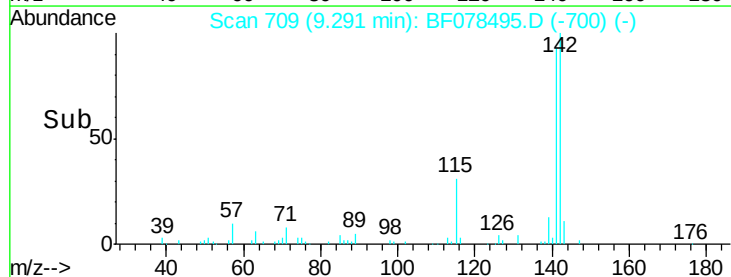
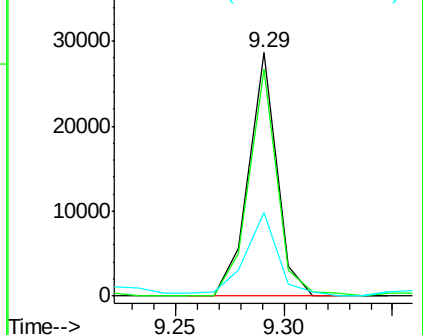


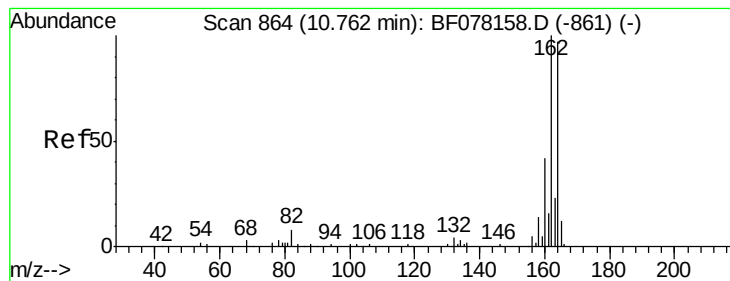
#37
 2-Methylnaphthalene
 Concen: 5.04 ng
 RT: 9.29 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: BF078495.D
 Acq: 14 Apr 2015 9:54

Tgt Ion:142 Resp: 25949
 Ion Ratio Lower Upper
 142 100
 141 93.1 70.3 105.5
 115 34.4 24.6 37.0



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. -0.01 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

Instrument :

BNA_F

ClientSampleId :

LS-SD03C

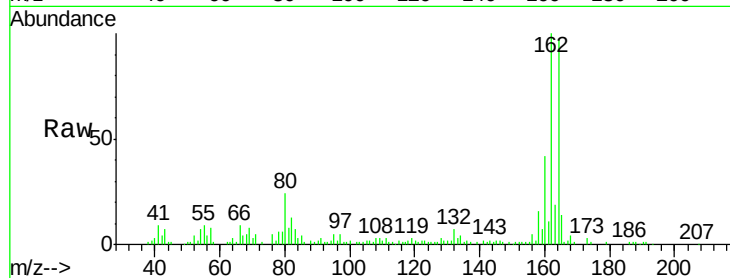
Tgt Ion:164 Resp: 72654

Ion Ratio Lower Upper

164 100

162 102.6 82.2 123.2

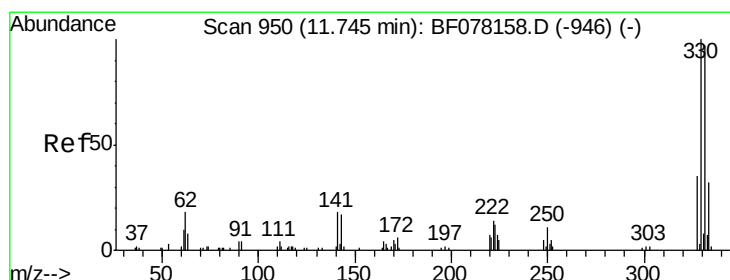
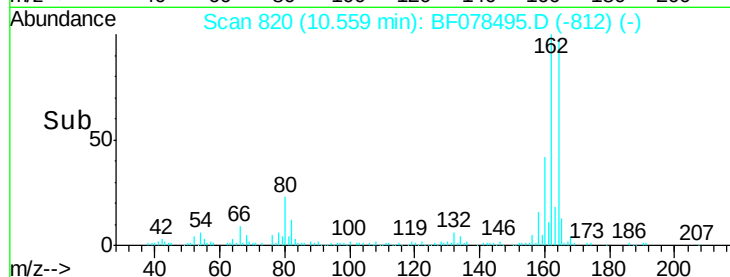
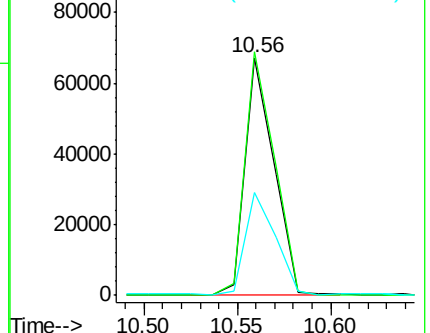
160 43.1 34.7 52.1



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: 118.95 ng

RT: 11.54 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

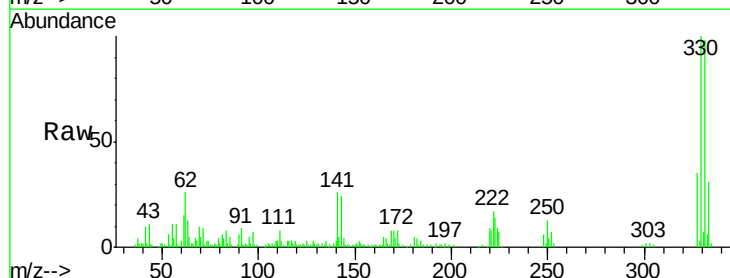
Tgt Ion:330 Resp: 71675

Ion Ratio Lower Upper

330 100

332 99.4 78.6 117.8

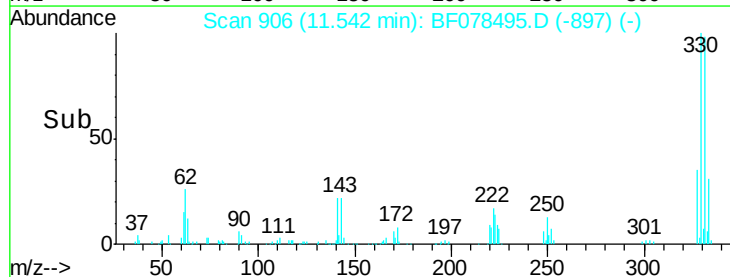
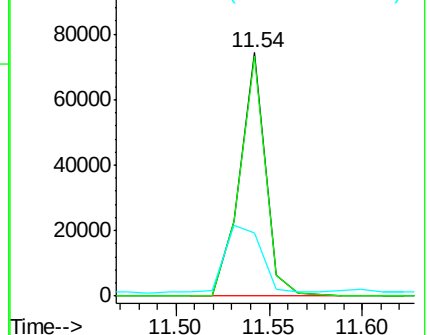
141 40.9 31.2 46.8

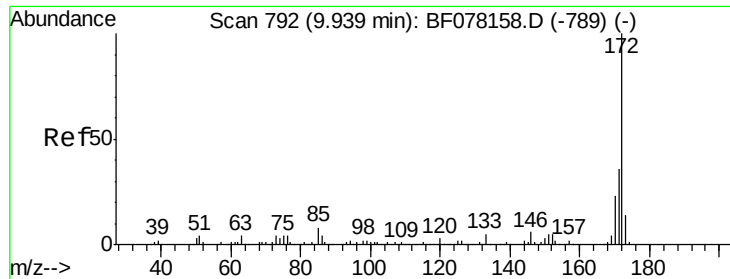


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

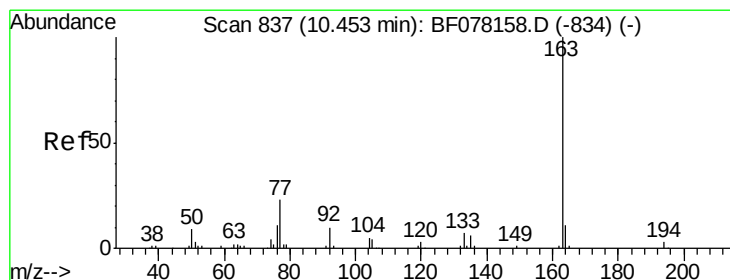
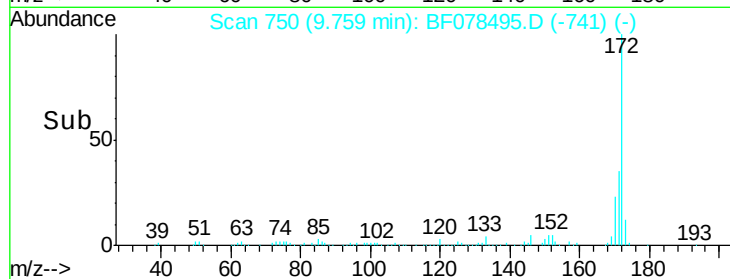
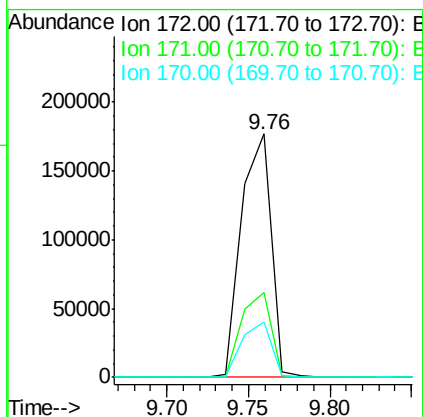
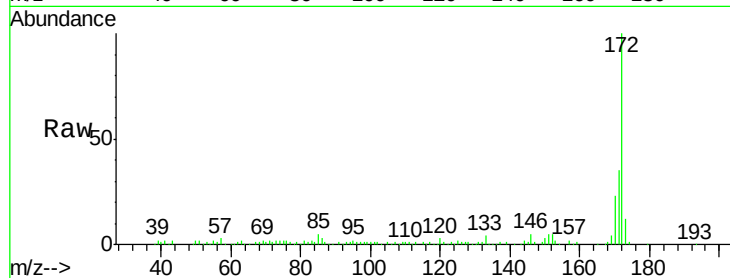




#44
 2-Fluorobiphenyl
 Concen: 43.90 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF078495.D
 Acq: 14 Apr 2015 9:54

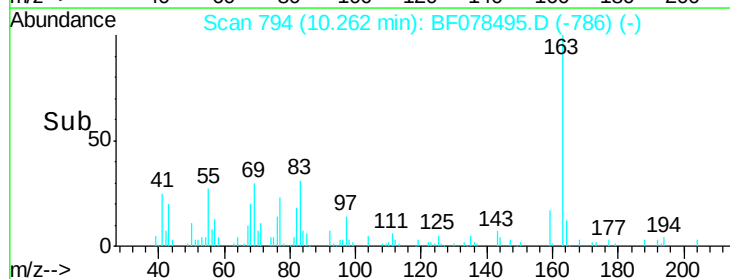
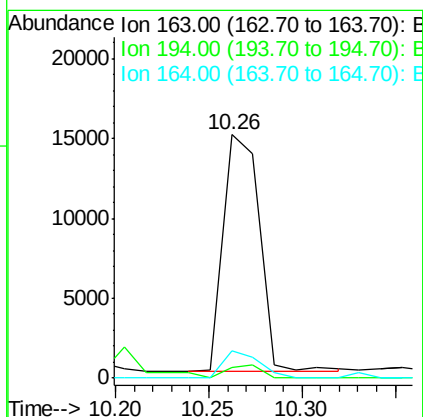
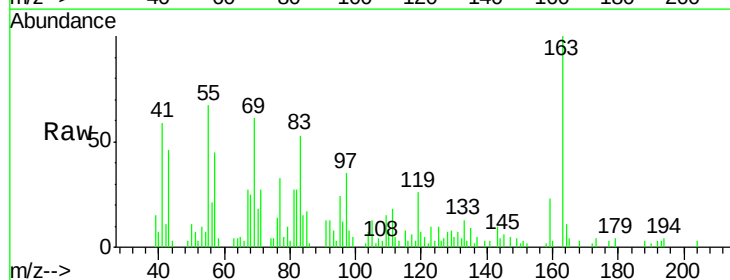
Instrument :
 BNA_F
 ClientSampleId :
 LS-SD03C

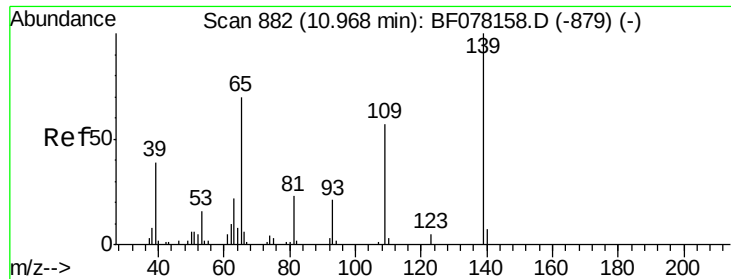
Tgt Ion:	172	Resp:	223149
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	22.8	18.5	27.7



#49
 Dimethylphthalate
 Concen: 3.74 ng
 RT: 10.26 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF078495.D
 Acq: 14 Apr 2015 9:54

Tgt Ion:	163	Resp:	20387
Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.3	3.5#
164	11.3	8.6	13.0

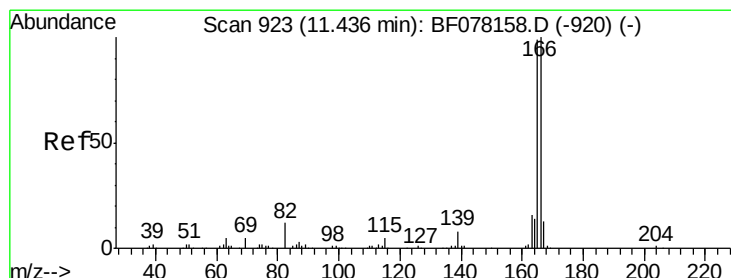
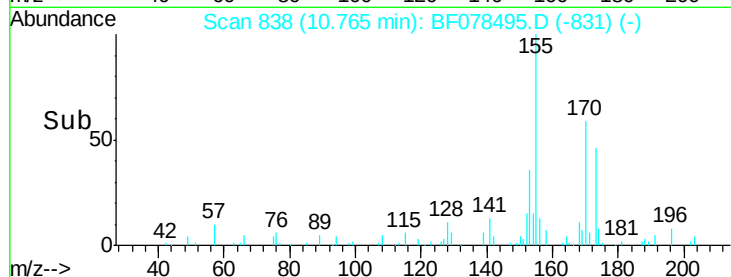
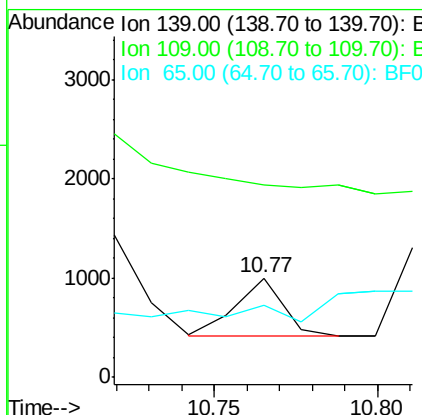
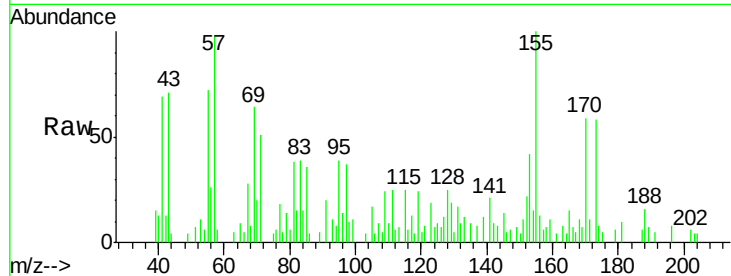




#55
4-Nitrophenol
Concen: 3.37 ng
RT: 10.77 min Scan# 838
Delta R.T. -0.02 min
Lab File: BF078495.D
Acq: 14 Apr 2015 9:54

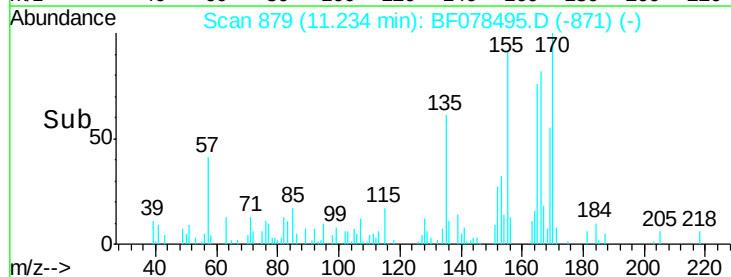
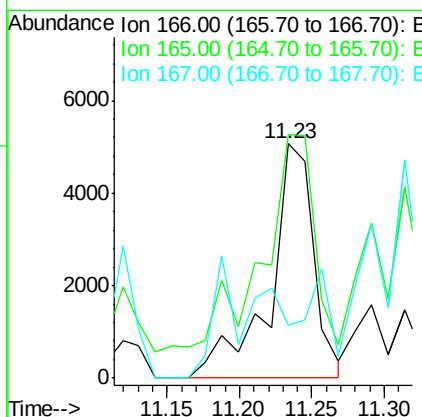
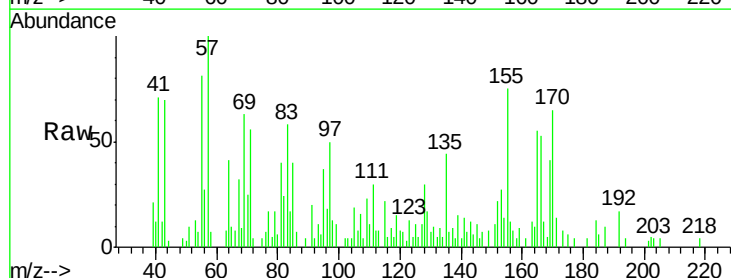
Instrument :
BNA_F
ClientSampleId :
LS-SD03C

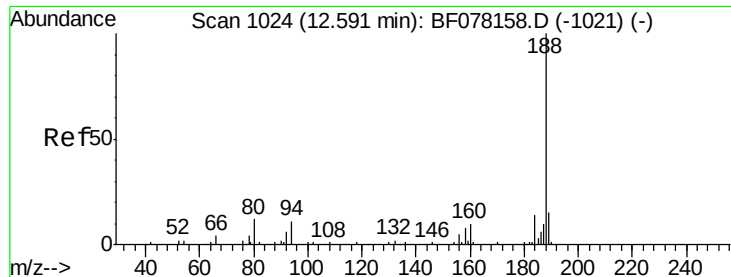
Tgt Ion:139 Resp: 589
Ion Ratio Lower Upper
139 100
109 193.7 36.7 76.7#
65 73.3 49.9 89.9



#57
Fluorene
Concen: 2.02 ng
RT: 11.23 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF078495.D
Acq: 14 Apr 2015 9:54

Tgt Ion:166 Resp: 10632
Ion Ratio Lower Upper
166 100
165 103.8 78.9 118.3
167 22.3 10.7 16.1#

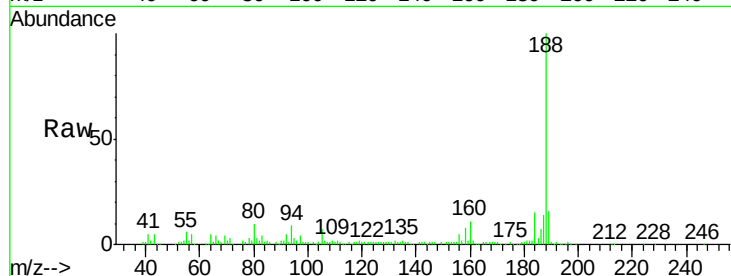




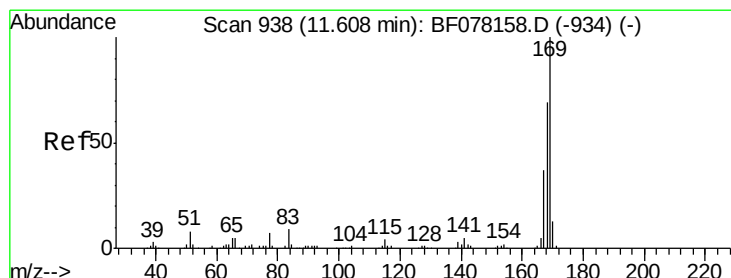
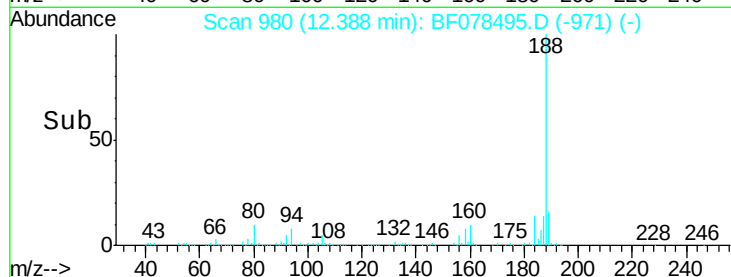
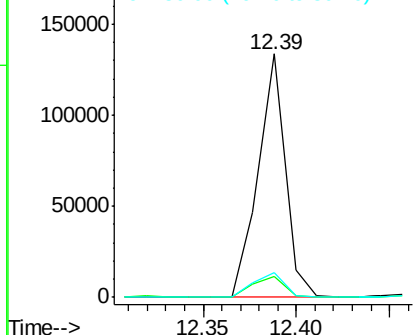
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF078495.D
Acq: 14 Apr 2015 9:54

Instrument :
BNA_F
ClientSampleId :
LS-SD03C

Tgt Ion:188 Resp: 135129
Ion Ratio Lower Upper
188 100
94 8.8 9.0 13.4#
80 9.9 9.5 14.3

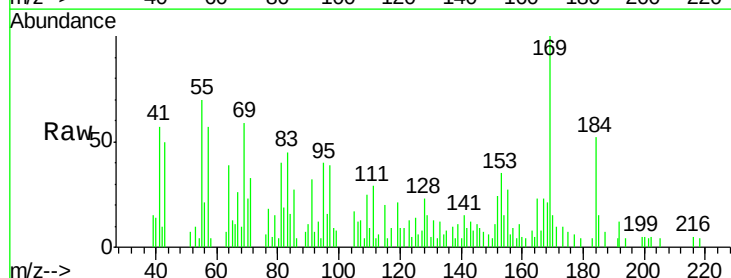


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

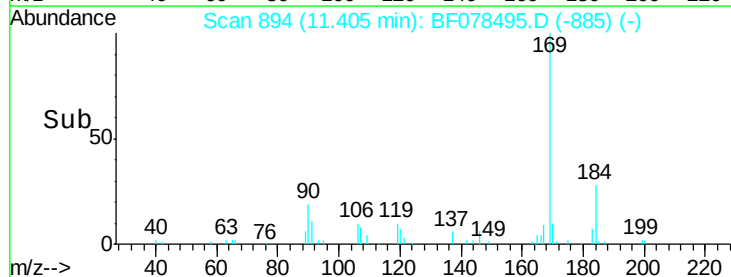
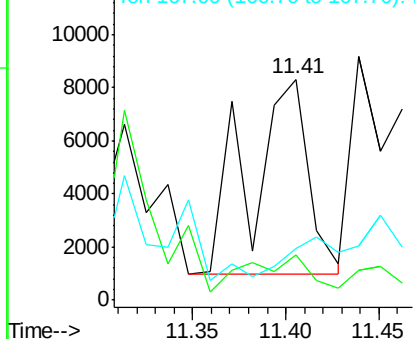


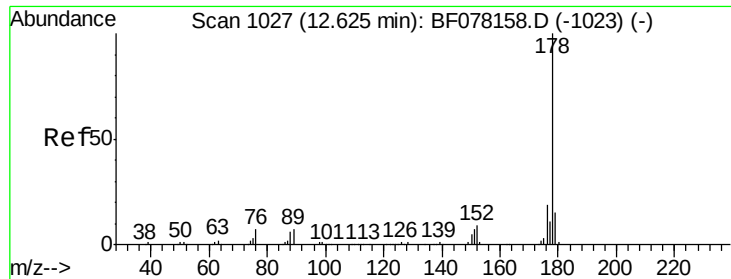
#65
n-Nitrosodiphenylamine
Concen: 3.39 ng
RT: 11.41 min Scan# 894
Delta R.T. 0.00 min
Lab File: BF078495.D
Acq: 14 Apr 2015 9:54

Tgt Ion:169 Resp: 15854
Ion Ratio Lower Upper
169 100
168 20.7 55.0 82.4#
167 23.3 29.3 43.9#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

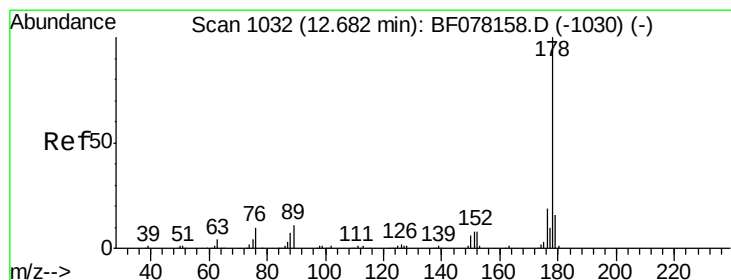
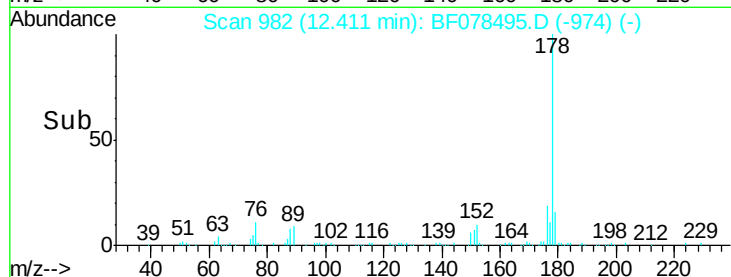
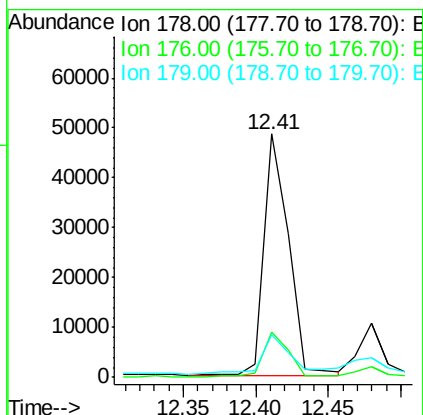
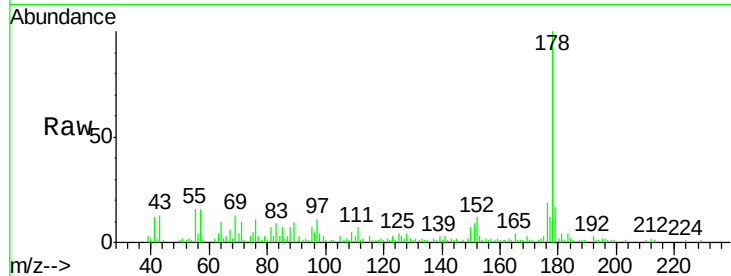




#70
 Phenanthrene
 Concen: 7.21 ng
 RT: 12.41 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF078495.D
 Acq: 14 Apr 2015 9:54

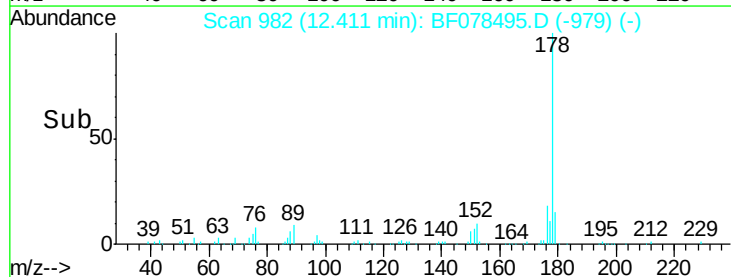
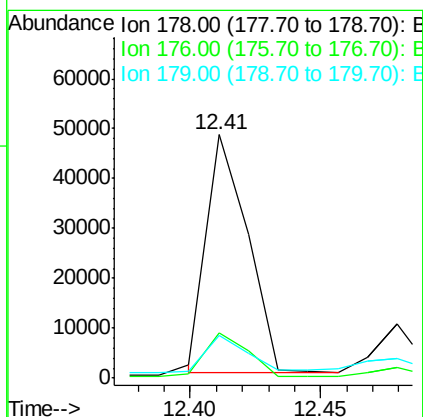
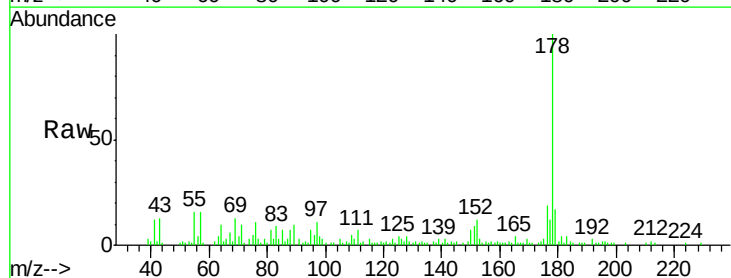
Instrument :
 BNA_F
 ClientSampleId :
 LS-SD03C

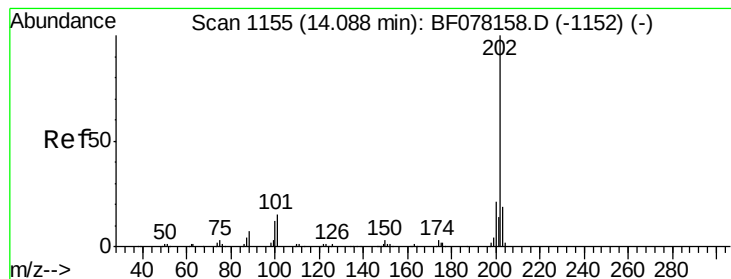
Tgt Ion:178 Resp: 56325
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.0
 179 17.3 12.2 18.2



#71
 Anthracene
 Concen: 6.77 ng
 RT: 12.41 min Scan# 982
 Delta R.T. -0.07 min
 Lab File: BF078495.D
 Acq: 14 Apr 2015 9:54

Tgt Ion:178 Resp: 52150
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 17.3 12.4 18.6





#74

Fluoranthene

Concen: 7.19 ng

RT: 13.87 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

Instrument :

BNA_F

ClientSampleId :

LS-SD03C

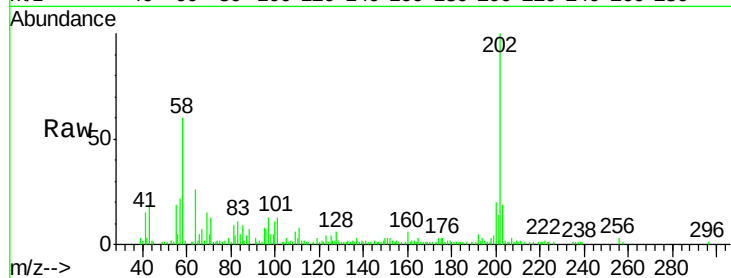
Tgt Ion:202 Resp: 59254

Ion Ratio Lower Upper

202 100

101 12.8 0.0 35.2

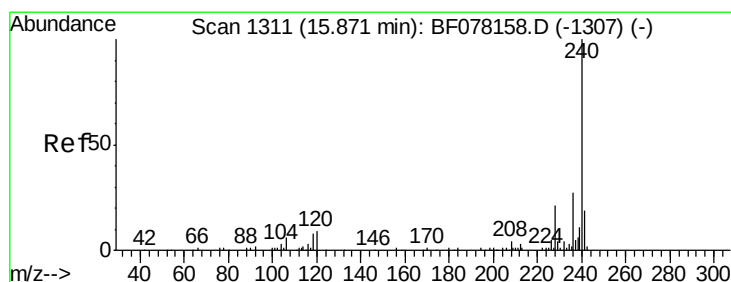
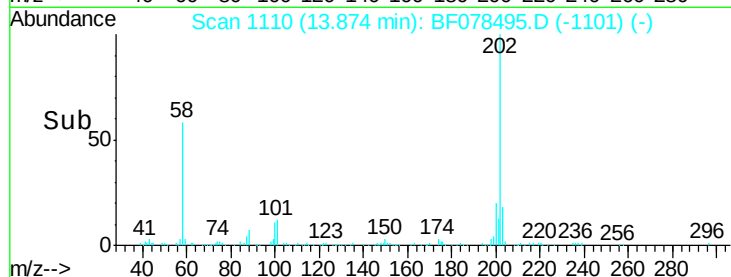
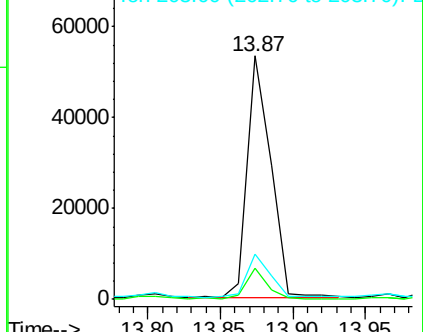
203 18.6 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.66 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

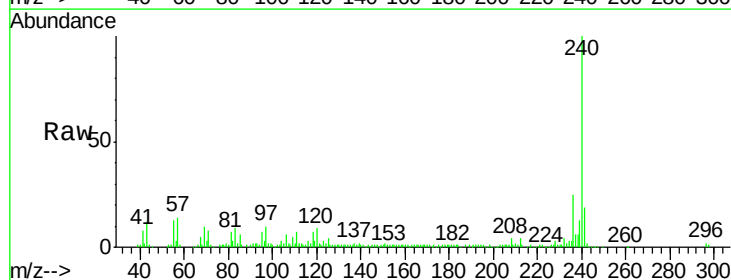
Tgt Ion:240 Resp: 146808

Ion Ratio Lower Upper

240 100

120 8.8 7.1 10.7

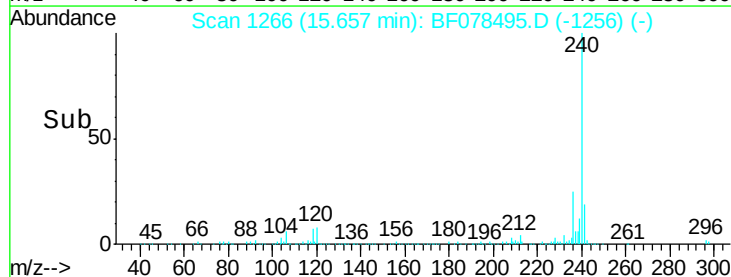
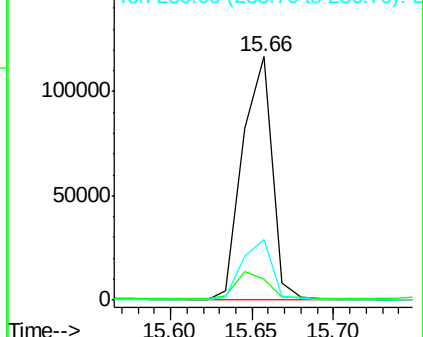
236 24.7 21.4 32.2

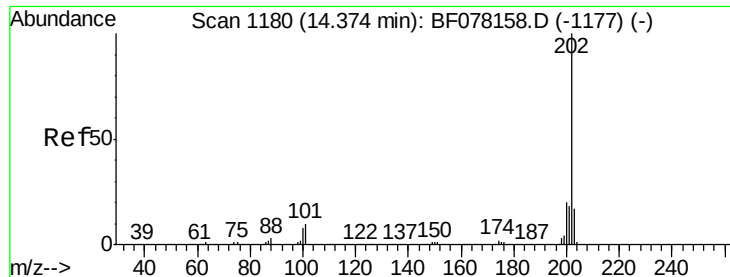


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

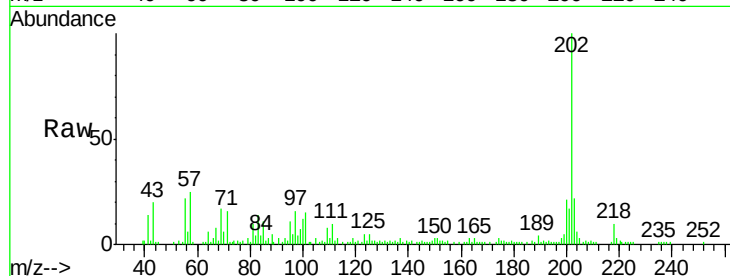




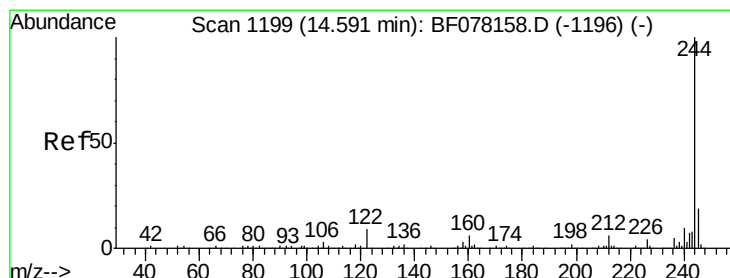
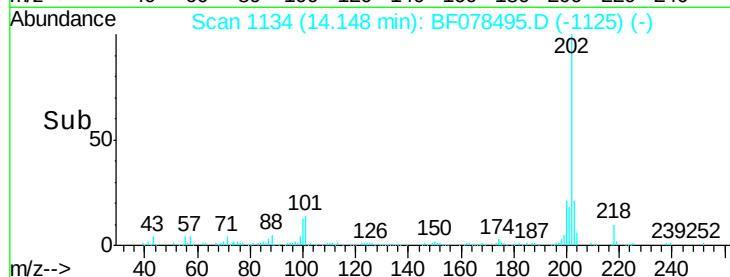
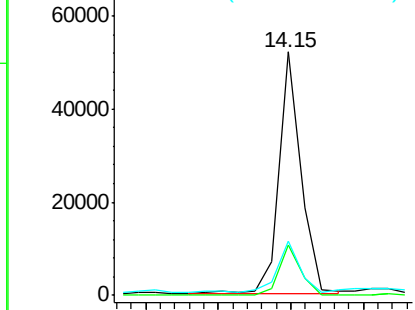
#77
 Pyrene
 Concen: 5.90 ng
 RT: 14.15 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: BF078495.D
 Acq: 14 Apr 2015 9:54

Instrument :
 BNA_F
 ClientSampleId :
 LS-SD03C

Tgt Ion: 202 Resp: 54356
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.3 24.5
 203 22.3 13.8 20.6#

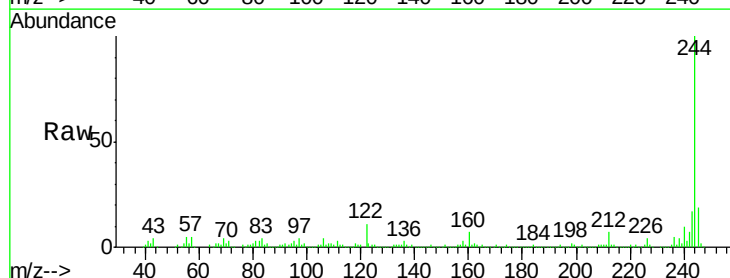


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

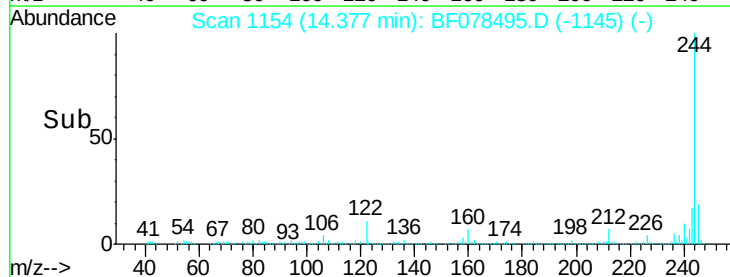
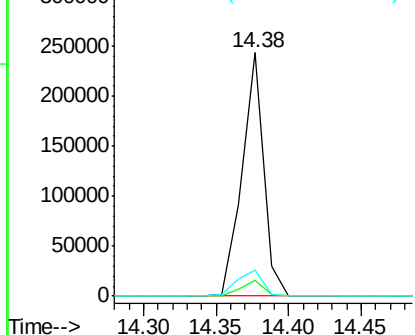


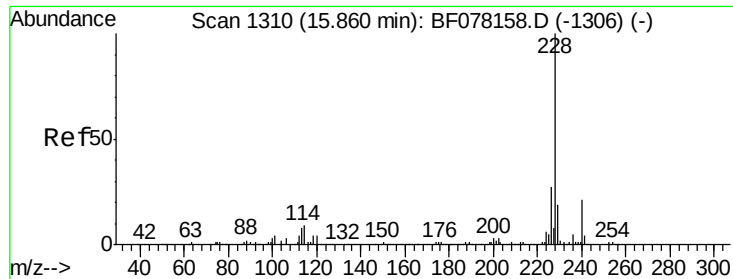
#78
 Terphenyl-d14
 Concen: 38.86 ng
 RT: 14.38 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF078495.D
 Acq: 14 Apr 2015 9:54

Tgt Ion: 244 Resp: 252468
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 10.8 7.1 10.7#



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.07 ng

RT: 15.65 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

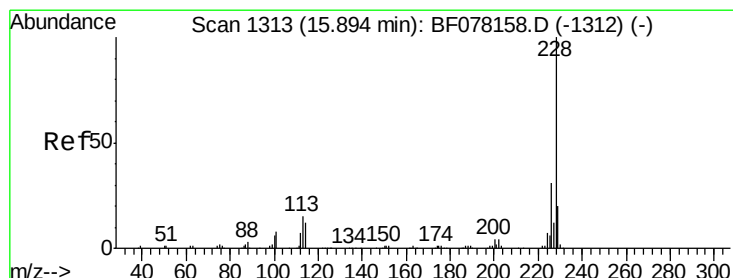
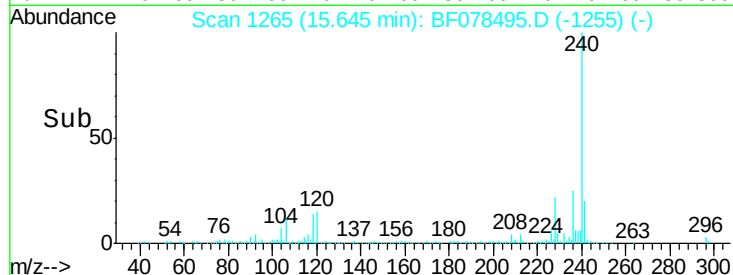
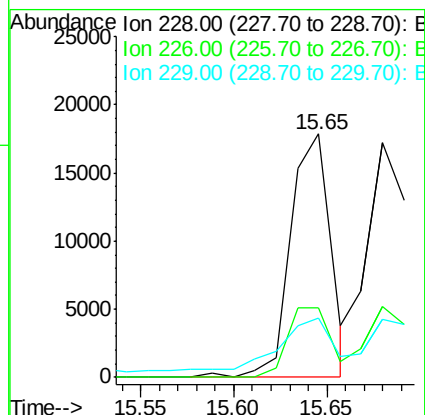
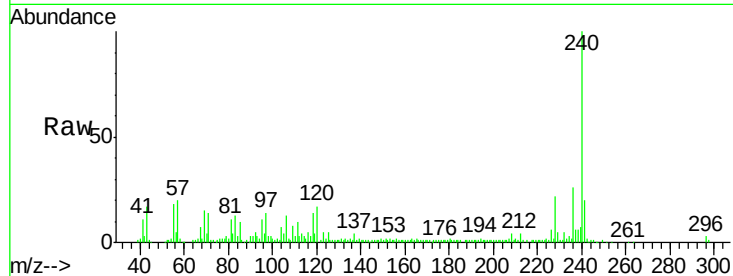
Instrument :

BNA_F

ClientSampleId :

LS-SD03C

Tgt Ion:	228	Resp:	26852
Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.3	31.9
229	24.1	15.4	23.2#



#82

Chrysene

Concen: 3.08 ng

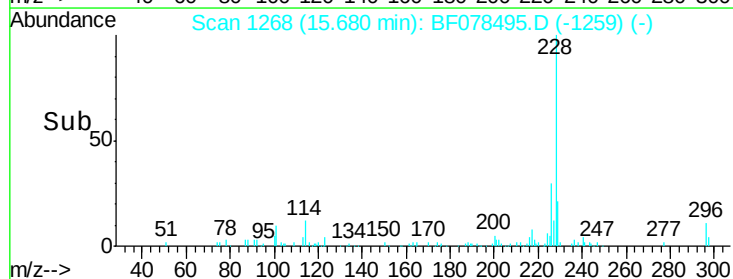
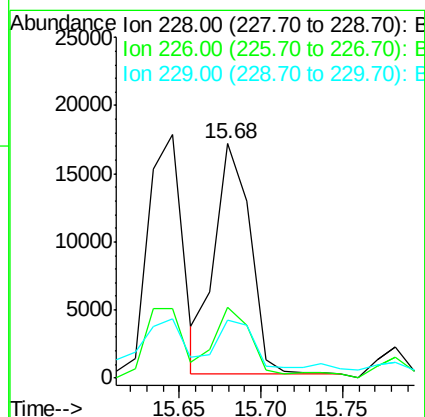
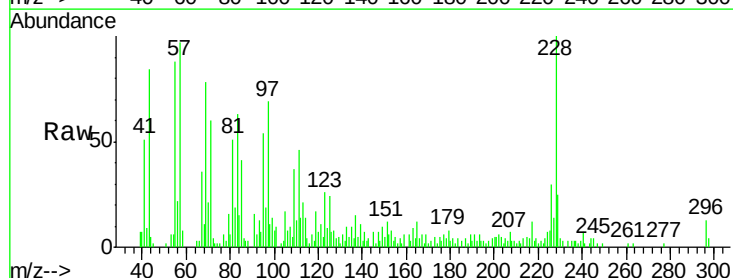
RT: 15.68 min Scan# 1268

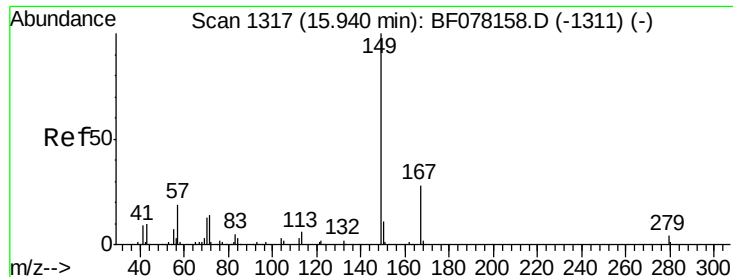
Delta R.T. 0.00 min

Lab File: BF078495.D

Acq: 14 Apr 2015 9:54

Tgt Ion:	228	Resp:	25308
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.4
229	24.9	15.8	23.8#

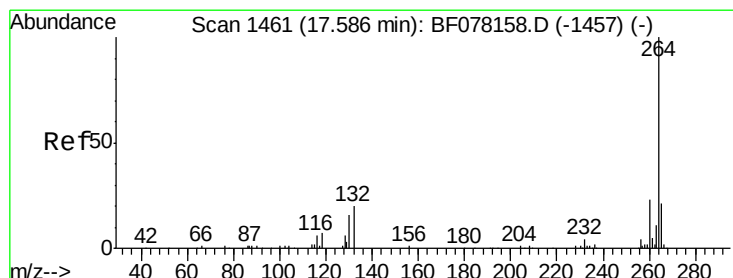
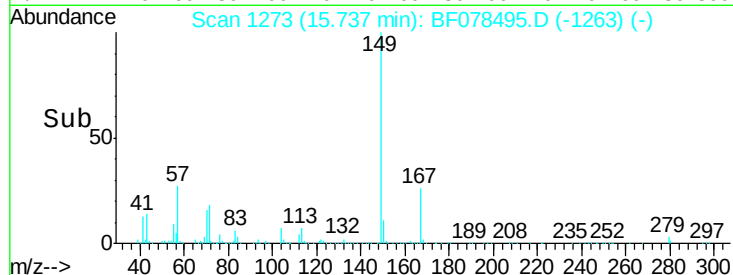
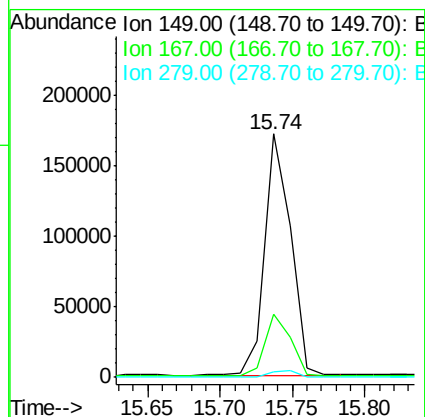
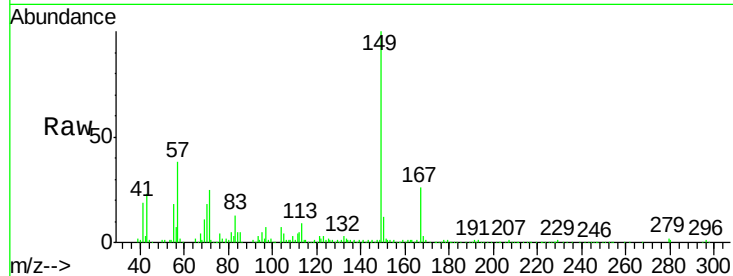




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 38.30 ng
 RT: 15.74 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: BF078495.D
 Acq: 14 Apr 2015 9:54

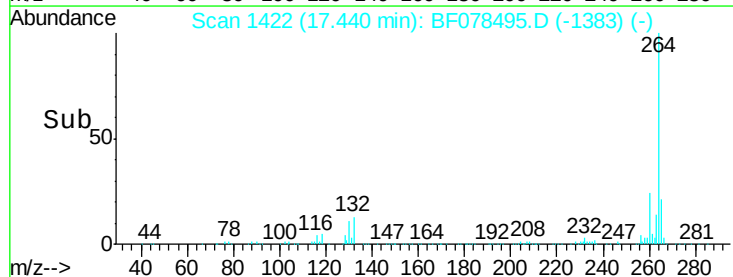
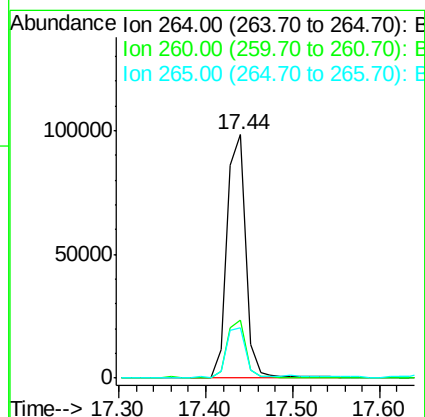
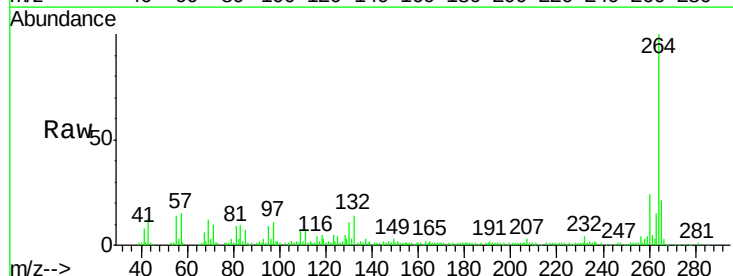
Instrument :
 BNA_F
 ClientSampleId :
 LS-SD03C

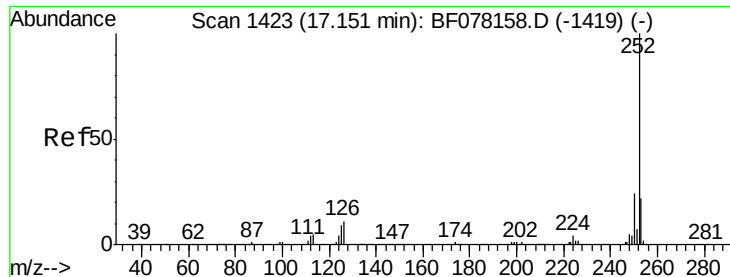
Tgt Ion:149 Resp: 210994
 Ion Ratio Lower Upper
 149 100
 167 26.1 22.2 33.2
 279 2.5 3.2 4.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.44 min Scan# 1422
 Delta R.T. 0.15 min
 Lab File: BF078495.D
 Acq: 14 Apr 2015 9:54

Tgt Ion:264 Resp: 149070
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 27.8
 265 20.9 17.0 25.6

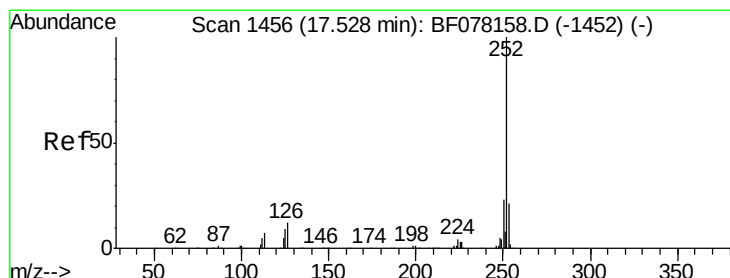
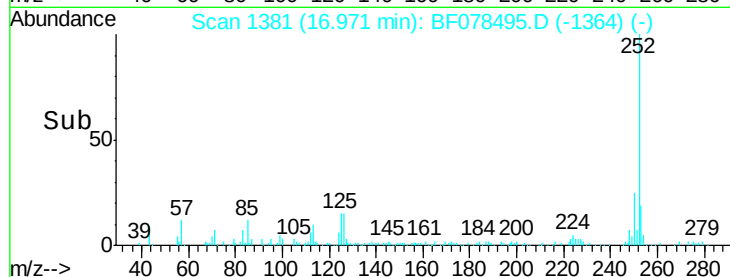
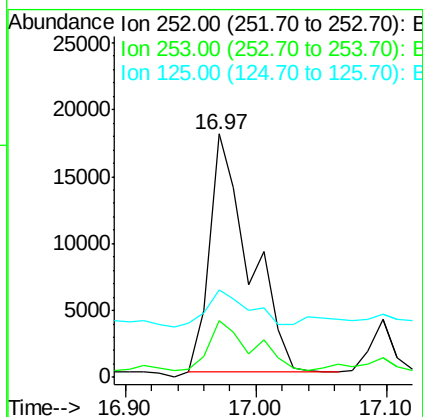
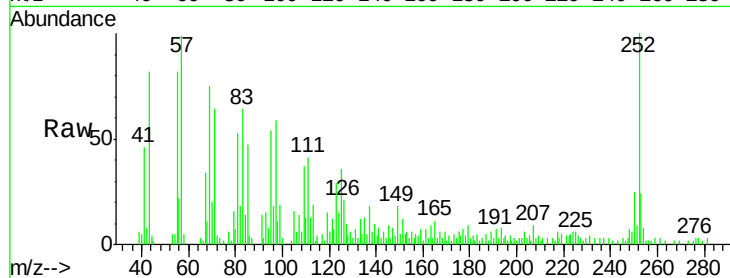




#87
Benzo(b)fluoranthene
Concen: 4.15 ng
RT: 16.97 min Scan# 1381
Delta R.T. 0.09 min
Lab File: BF078495.D
Acq: 14 Apr 2015 9:54

Instrument :
BNA_F
ClientSampleId :
LS-SD03C

Tgt Ion: 252 Resp: 38262
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 36.0 7.0 10.4#



#89
Benzo(a)pyrene
Concen: 2.58 ng
RT: 17.37 min Scan# 1416
Delta R.T. 0.14 min
Lab File: BF078495.D
Acq: 14 Apr 2015 9:54

Tgt Ion: 252 Resp: 20768
Ion Ratio Lower Upper
252 100
253 25.1 16.8 25.2
125 37.2 7.4 11.0#

