

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
 Data File : BF078755.D
 Acq On : 23 Apr 2015 18:33
 Operator : TP/IZ
 Sample : G1991-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-75S

Quant Time: Apr 24 01:39:12 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 00:49:54 2015
 Response via : Initial Calibration

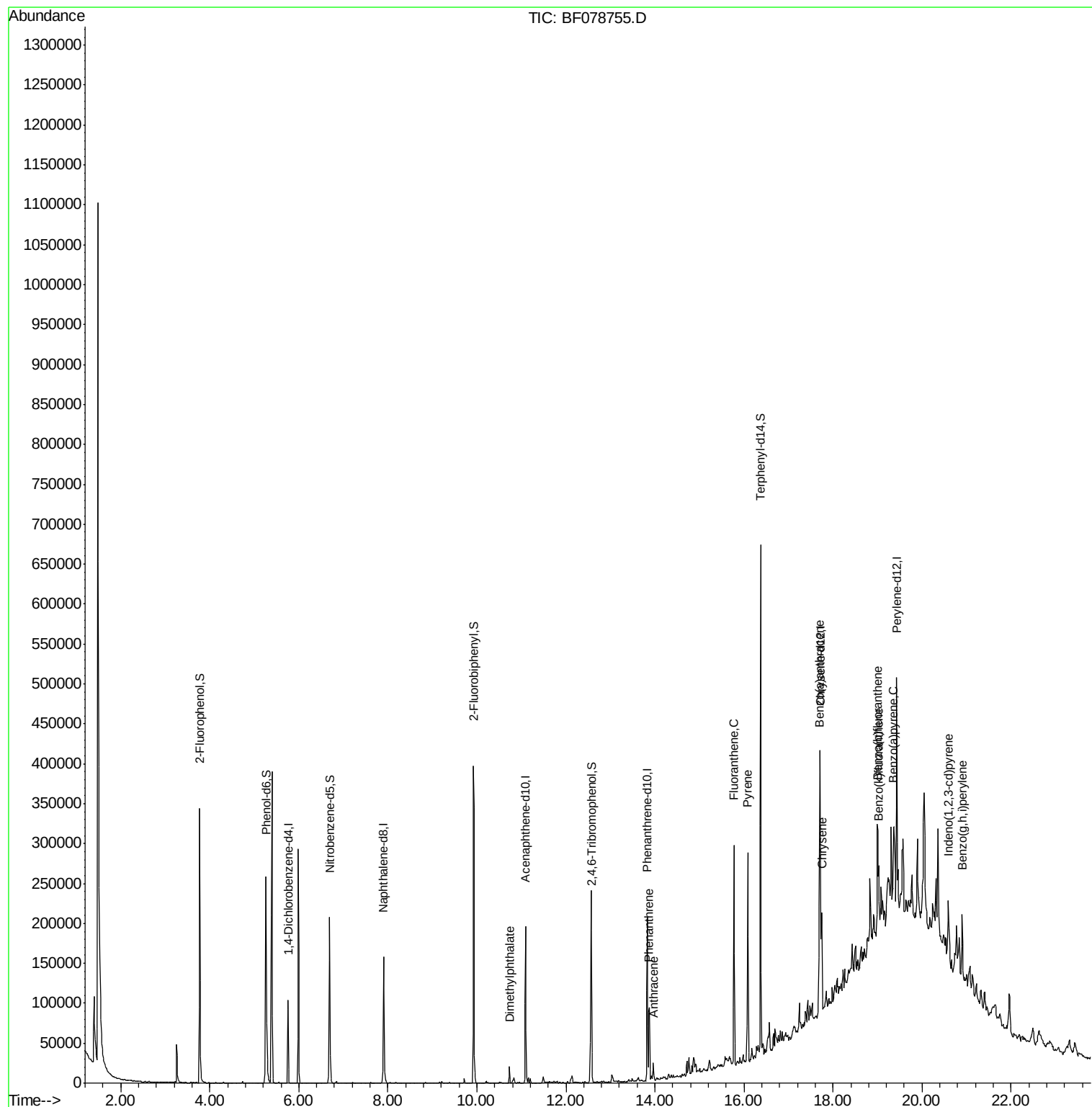
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	27205	20.00	ng	0.01
21) Naphthalene-d8	7.91	136	112318	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	56673	20.00	ng	0.00
63) Phenanthrene-d10	13.83	188	113403	20.00	ng	0.00
75) Chrysene-d12	17.71	240	124406	20.00	ng	0.00
86) Perylene-d12	19.43	264	127655	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	3.77	112	129615	78.55	ng	0.00
7) Phenol-d6	5.27	99	168903	81.68	ng	0.01
23) Nitrobenzene-d5	6.70	82	101305	54.67	ng	0.00
41) 2,4,6-Tribromophenol	12.57	330	42793	91.04	ng	0.00
44) 2-Fluorobiphenyl	9.92	172	210103	52.99	ng	-0.01
78) Terphenyl-d14	16.38	244	243703	44.27	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.73	163	13224	3.11	ng	97
70) Phenanthrene	13.87	178	57504	8.77	ng	98
71) Anthracene	13.97	178	14547	2.25	ng	98
74) Fluoranthene	15.77	202	128294	18.55	ng	95
77) Pyrene	16.08	202	122522	15.69	ng	96
80) Benzo(a)anthracene	17.70	228	74548	10.07	ng	97
82) Chrysene	17.75	228	56224	8.08	ng	97
85) Indeno(1,2,3-cd)pyrene	20.59	276	42154m	5.34	ng	
87) Benzo(b)fluoranthene	18.99	252	88358m	11.20	ng	
88) Benzo(k)fluoranthene	19.03	252	27387m	3.91	ng	
89) Benzo(a)pyrene	19.36	252	62606	9.09	ng	# 90
91) Benzo(a,h,i)perylene	20.90	276	51115m	7.40	ng	

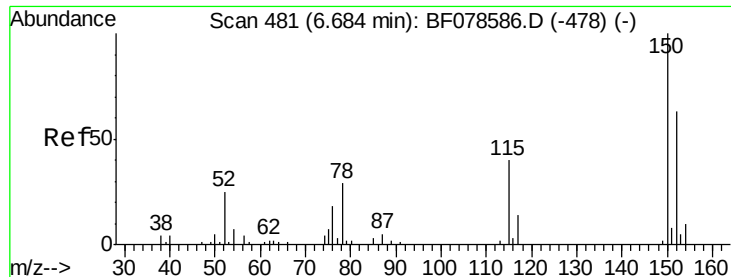
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.76 min Scan# 400

Delta R.T. 0.01 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

SB-75S

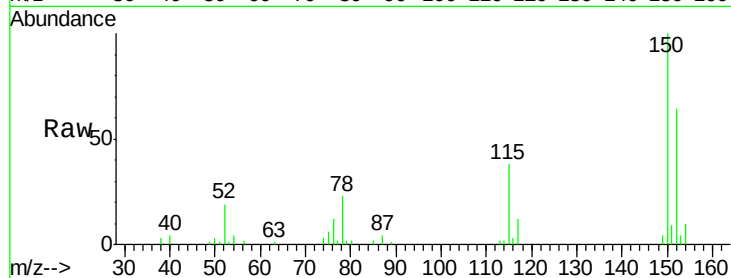
Tot Ion:152 Resp: 27205

Ion Ratio Lower Upper

152 100

150 155.8 125.9 188.9

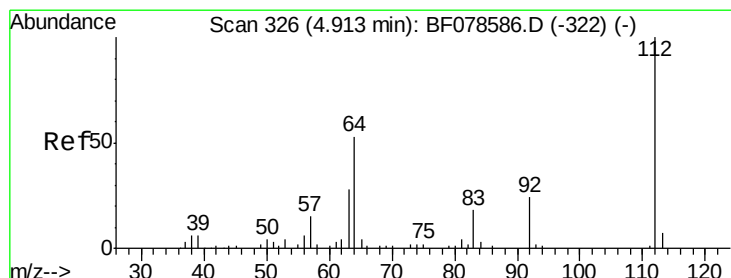
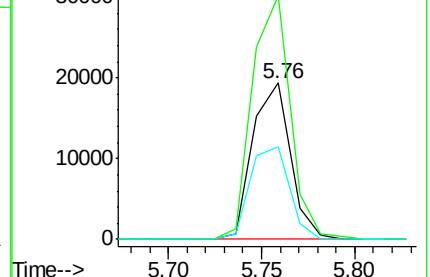
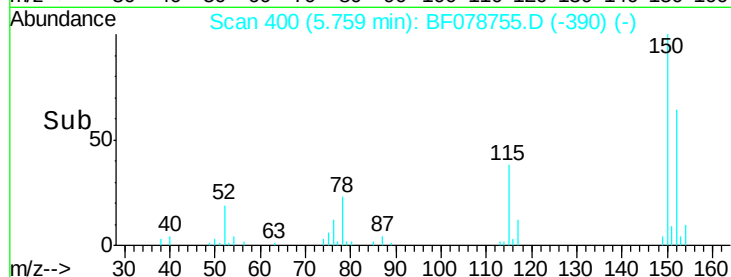
115 59.2 52.7 79.1



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



#5

2-Fluorophenol

Concen: 78.55 ng

RT: 3.77 min Scan# 226

Delta R.T. 0.00 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

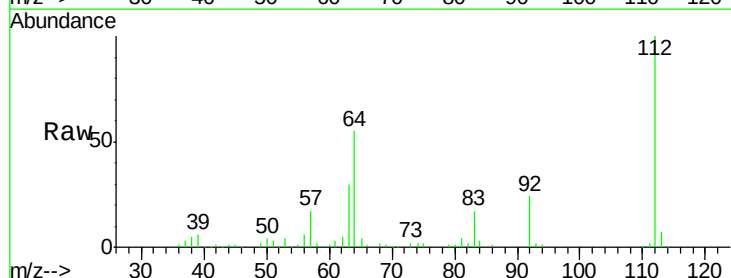
Tgt Ion:112 Resp: 129615

Ion Ratio Lower Upper

112 100

64 54.7 39.9 59.9

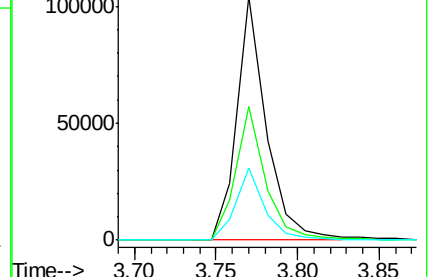
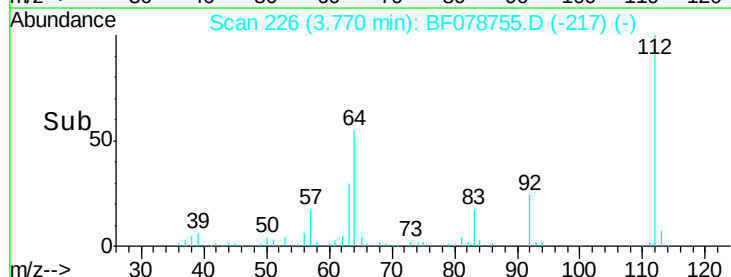
63 29.5 20.2 30.4

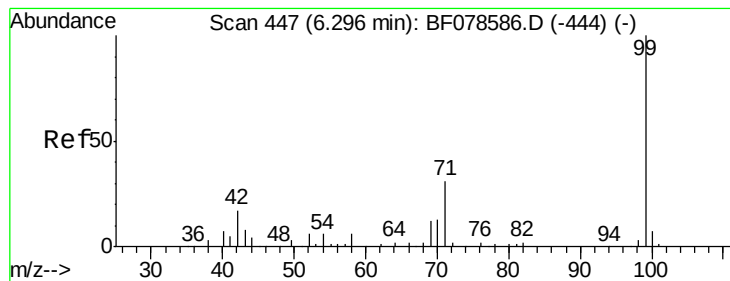


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.68 ng

RT: 5.27 min Scan# 357

Delta R.T. 0.01 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

SB-75S

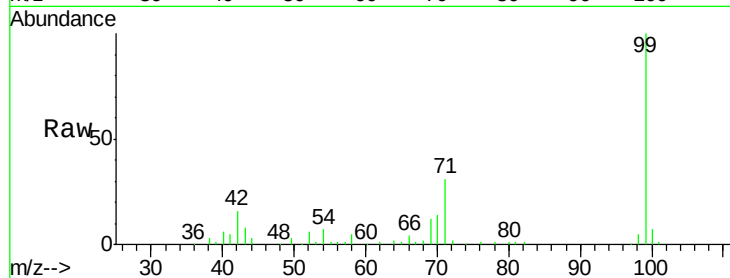
Tot Ion: 99 Resp: 168903

Ion Ratio Lower Upper

99 100

42 15.5 14.8 22.2

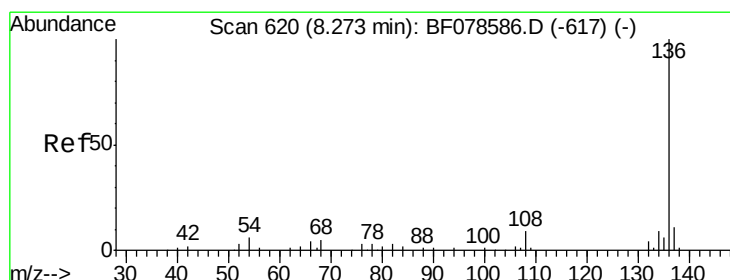
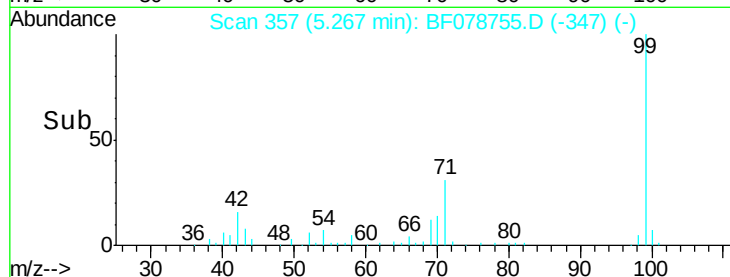
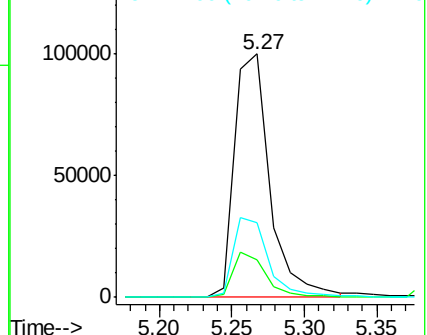
71 30.5 26.6 39.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

Tgt Ion: 136 Resp: 112318

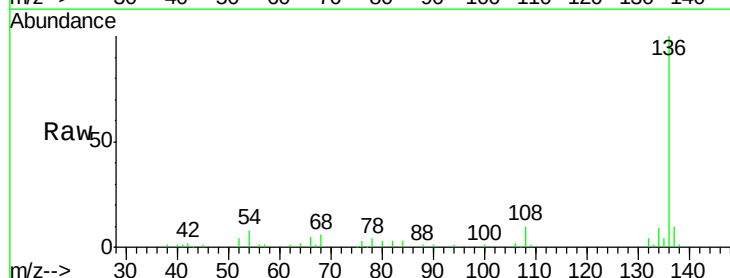
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 7.7 7.0 10.6

68 5.9 5.4 8.2

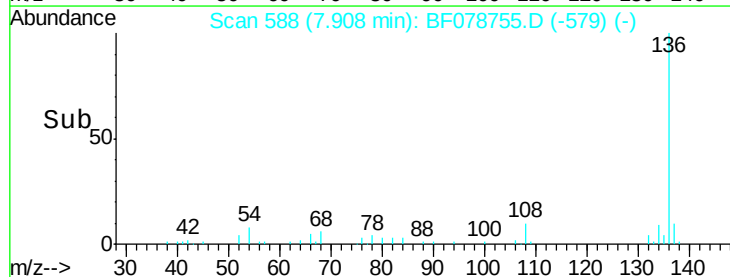
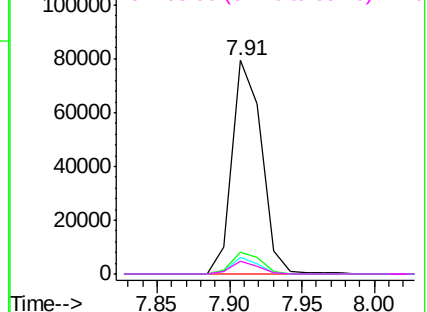


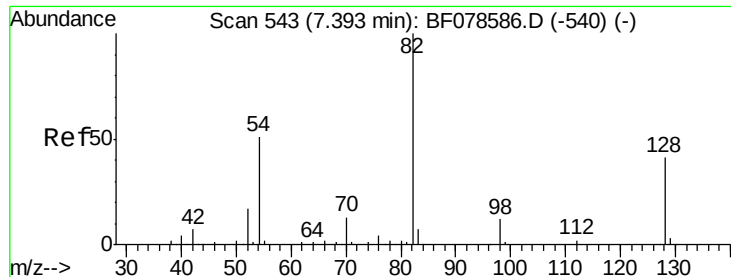
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

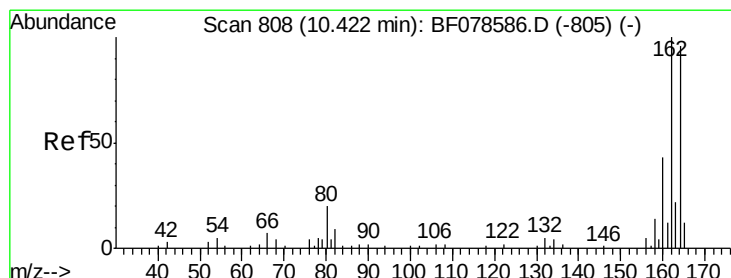
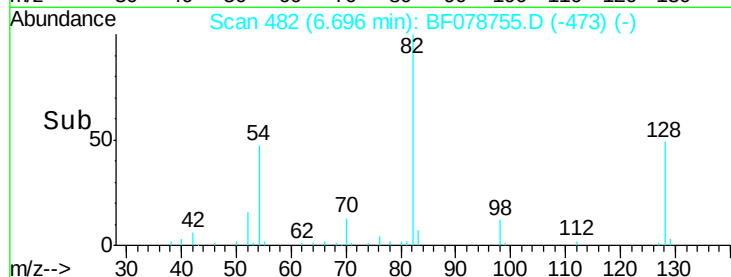
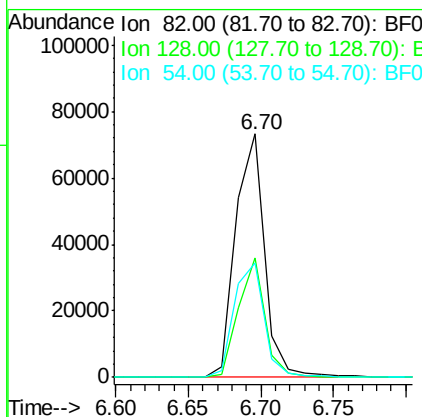
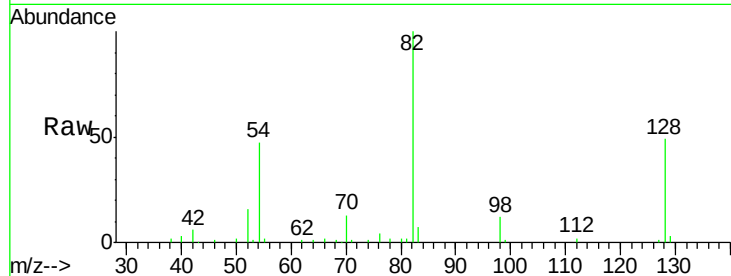




#23
 Nitrobenzene-d5
 Concen: 54.67 ng
 RT: 6.70 min Scan# 482
 Delta R.T. 0.00 min
 Lab File: BF078755.D
 Acq: 23 Apr 2015 18:33

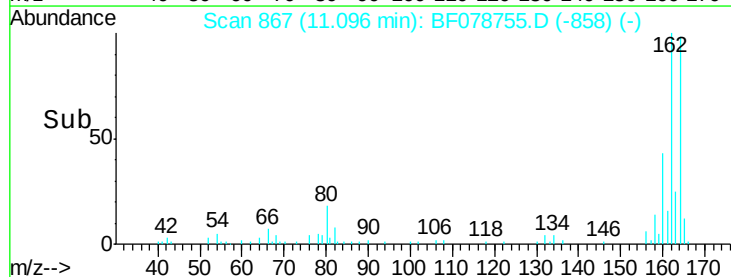
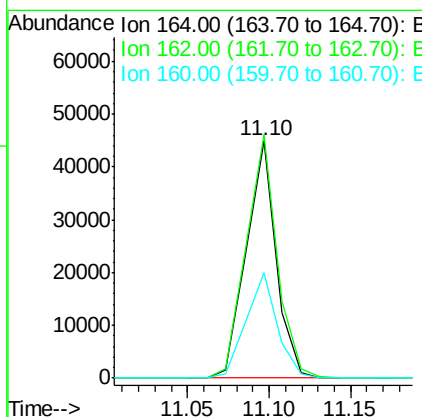
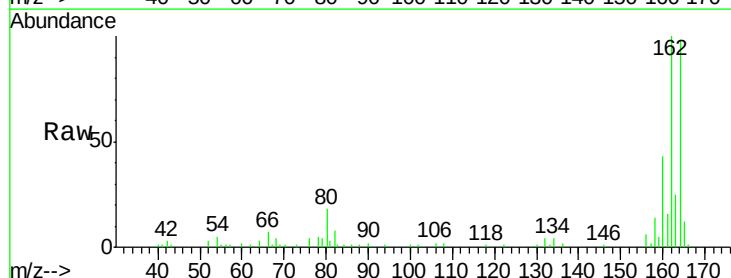
Instrument :
 BNA_F
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 SB-75S

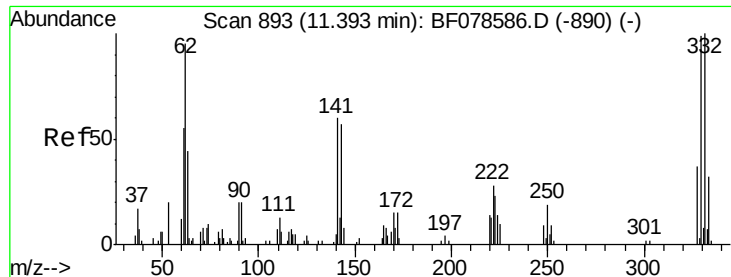
Tot Ion	82	Resp	101305
Ion Ratio	Lower	Upper	
82	100		
128	48.9	31.8	47.8#
54	46.8	41.5	62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078755.D
 Acq: 23 Apr 2015 18:33

Tgt Ion	164	Resp	56673
Ion Ratio	Lower	Upper	
164	100		
162	102.4	82.2	123.2
160	44.2	34.7	52.1

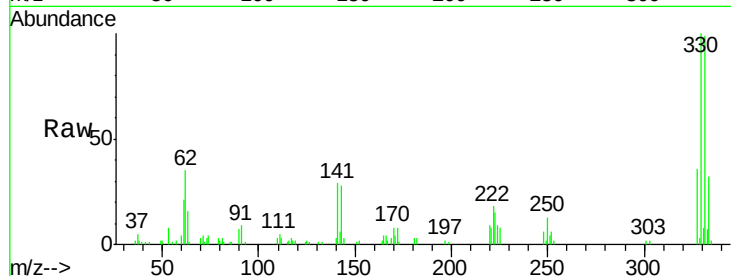




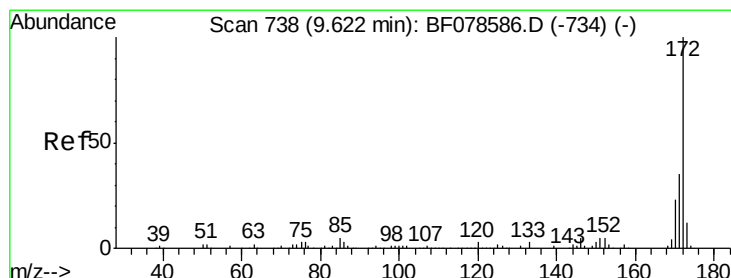
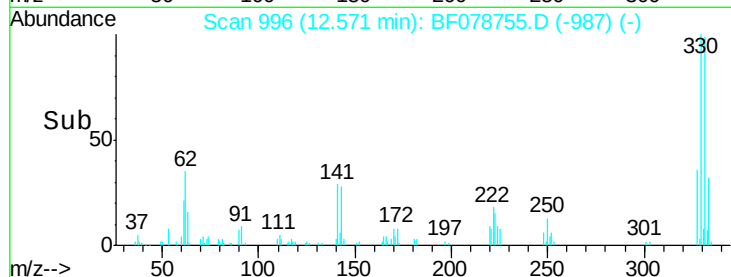
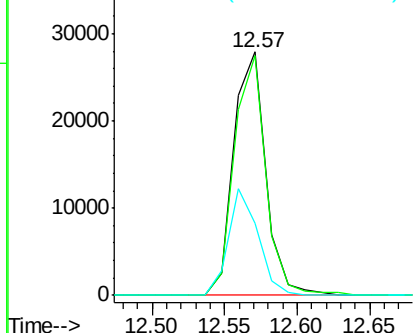
#41
 2,4,6-Tribromophenol
 Concen: 91.04 ng
 RT: 12.57 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: BF078755.D
 Acq: 23 Apr 2015 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-75S

Tot Ion:330 Resp: 42793
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.6 117.8
 141 40.4 31.2 46.8

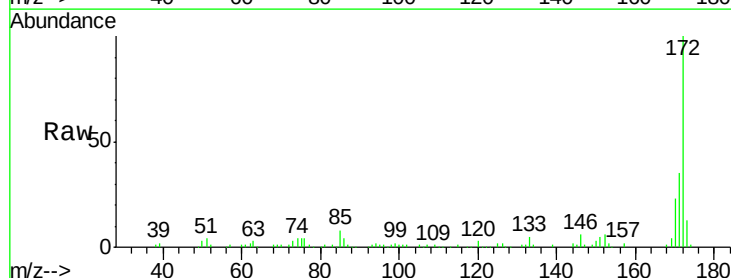


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

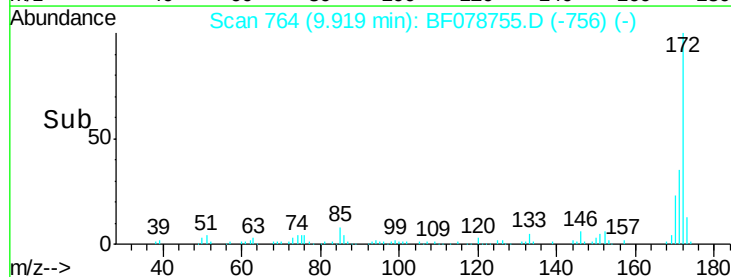
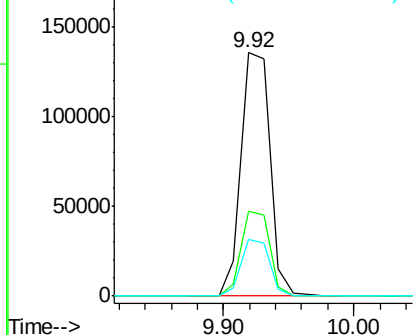


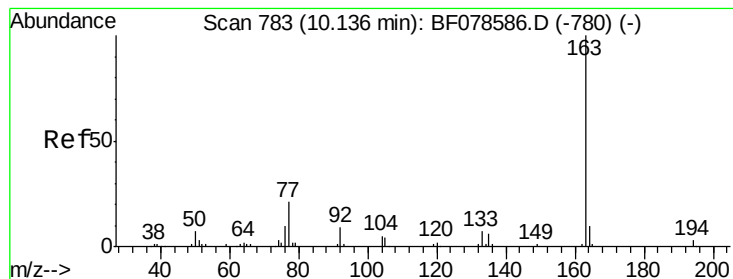
#44
 2-Fluorobiphenyl
 Concen: 52.99 ng
 RT: 9.92 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BF078755.D
 Acq: 23 Apr 2015 18:33

Tgt Ion:172 Resp: 210103
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 42.8
 170 23.3 18.5 27.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.11 ng

RT: 10.73 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

SB-75S

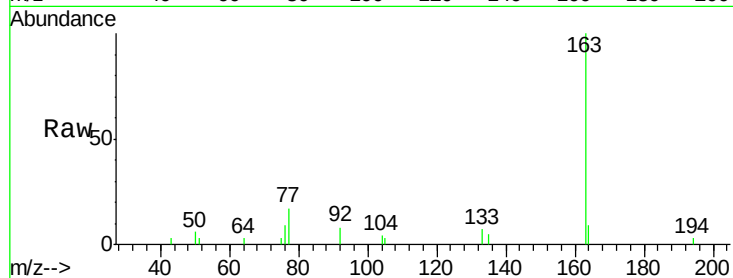
Tot Ion:163 Resp: 13224

Ion Ratio Lower Upper

163 100

194 3.4 2.3 3.5

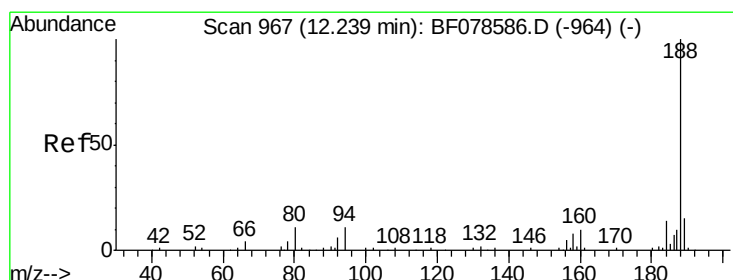
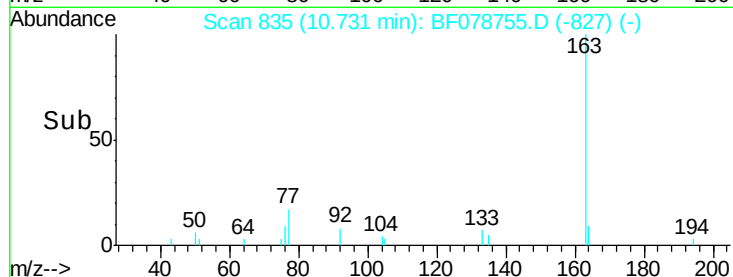
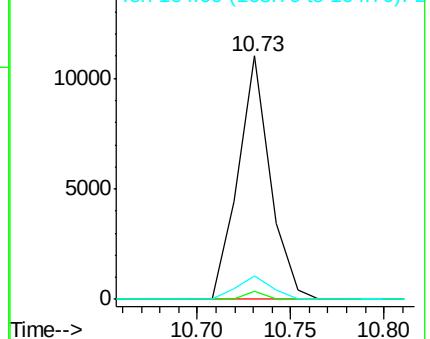
164 9.4 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 13.83 min Scan# 1106

Delta R.T. 0.00 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

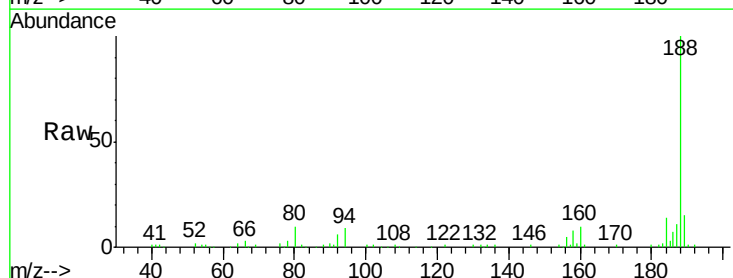
Tgt Ion:188 Resp: 113403

Ion Ratio Lower Upper

188 100

94 9.4 9.0 13.4

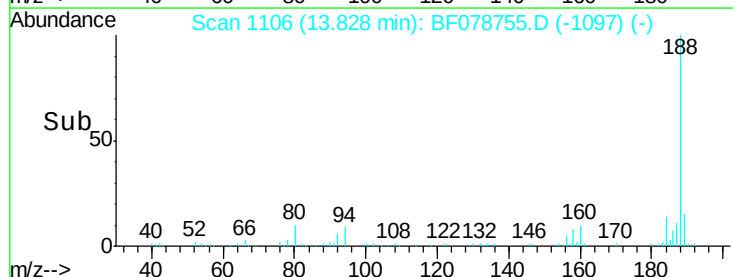
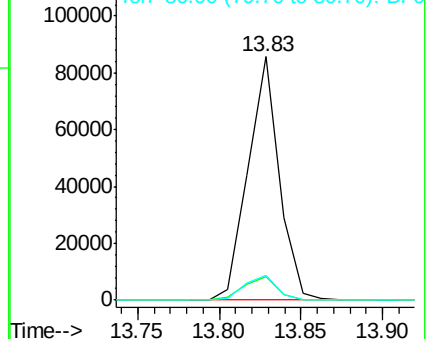
80 10.0 9.5 14.3

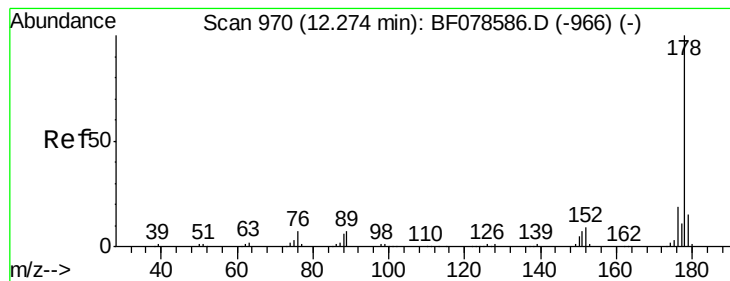


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 8.77 ng

RT: 13.87 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BF078755.D

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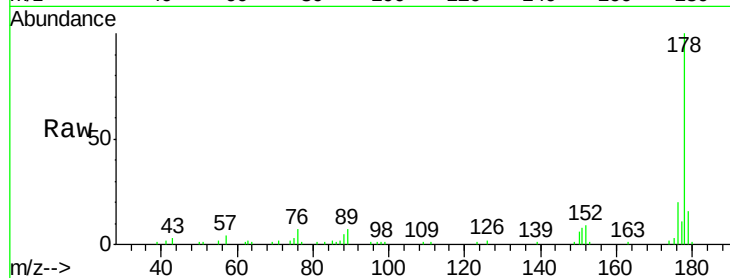
Tot Ion:178 Resp: 57504

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

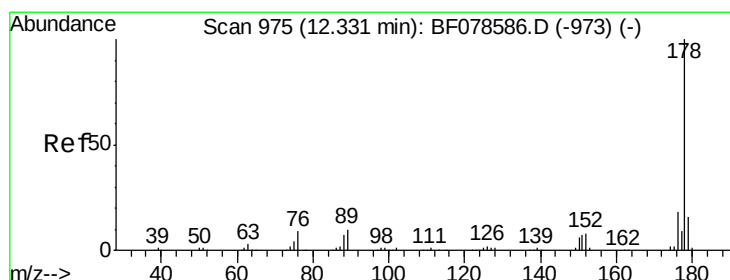
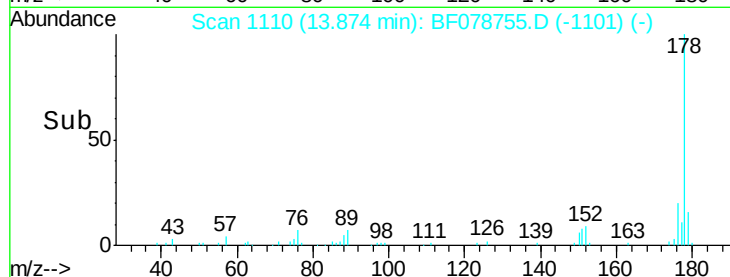
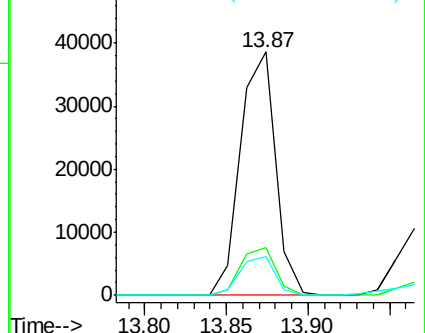
179 16.2 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.25 ng

RT: 13.97 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

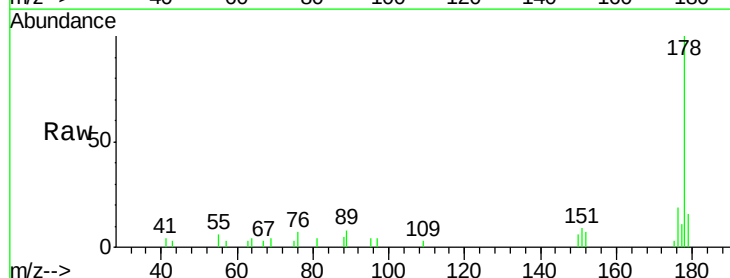
Tgt Ion:178 Resp: 14547

Ion Ratio Lower Upper

178 100

176 19.4 14.8 22.2

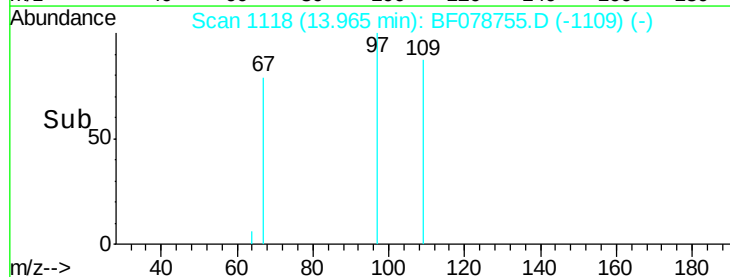
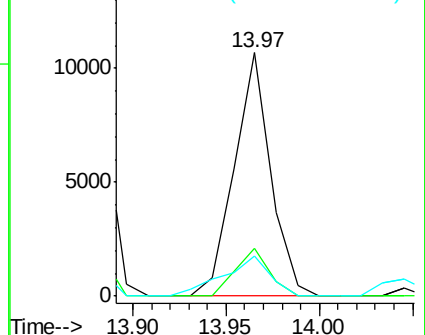
179 16.3 12.4 18.6

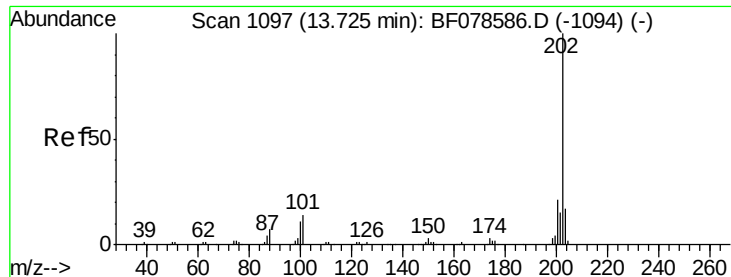


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.55 ng

RT: 15.77 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

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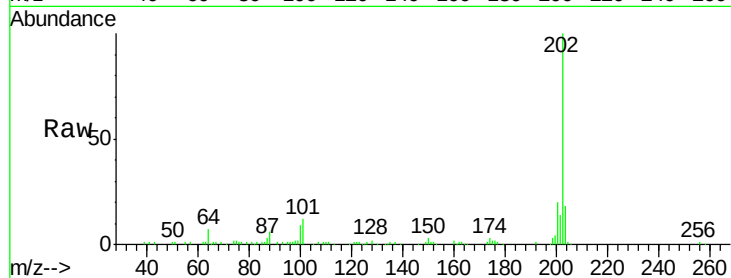
Tot Ion:202 Resp: 128294

Ion Ratio Lower Upper

202 100

101 12.0 0.0 35.2

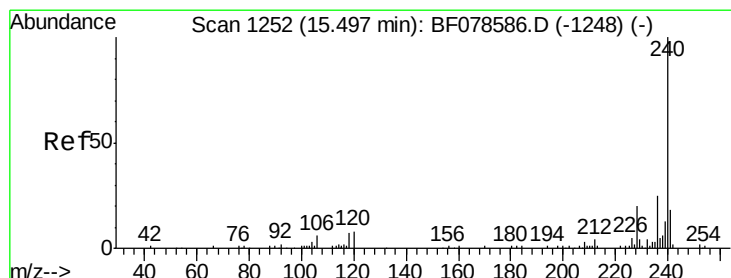
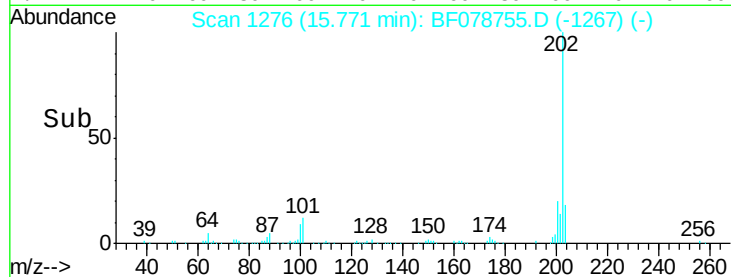
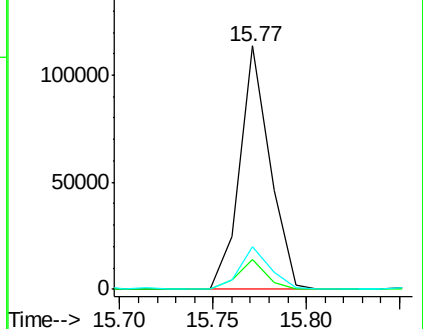
203 17.5 0.0 38.5



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: 17.71 min Scan# 1446

Delta R.T. 0.00 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

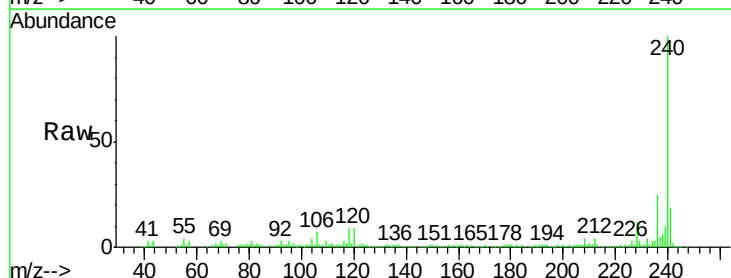
Tgt Ion:240 Resp: 124406

Ion Ratio Lower Upper

240 100

120 9.4 7.1 10.7

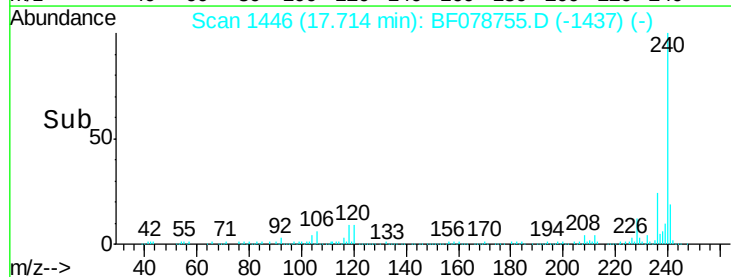
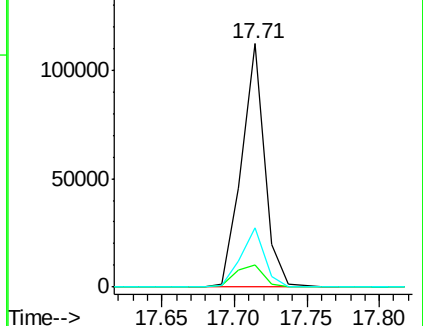
236 24.6 21.4 32.2

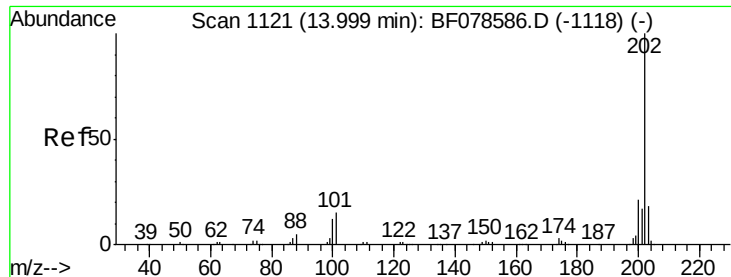


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 15.69 ng

RT: 16.08 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

SB-75S

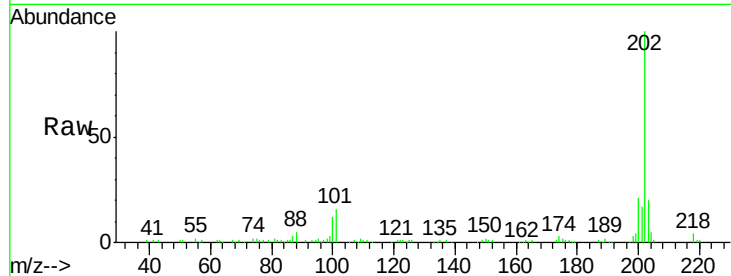
Tot Ion:202 Resp: 122522

Ion Ratio Lower Upper

202 100

200 21.2 16.3 24.5

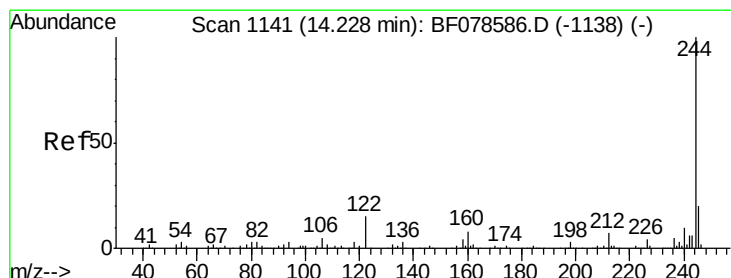
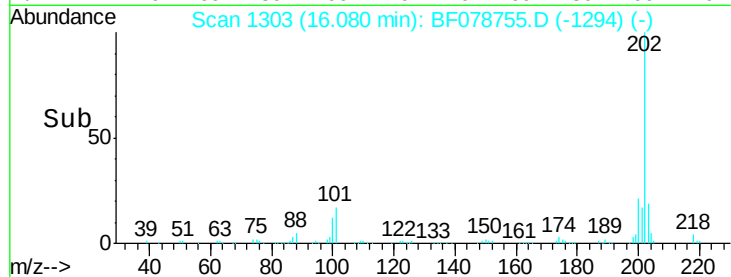
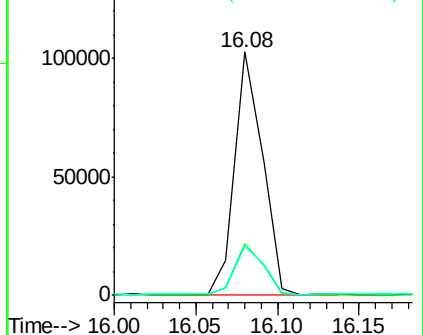
203 20.3 13.8 20.6



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: 44.27 ng

RT: 16.38 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

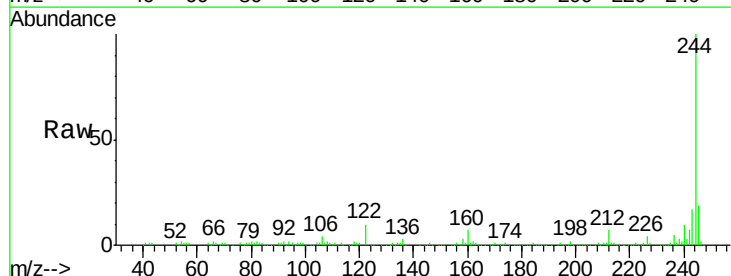
Tgt Ion:244 Resp: 243703

Ion Ratio Lower Upper

244 100

212 6.7 5.0 7.4

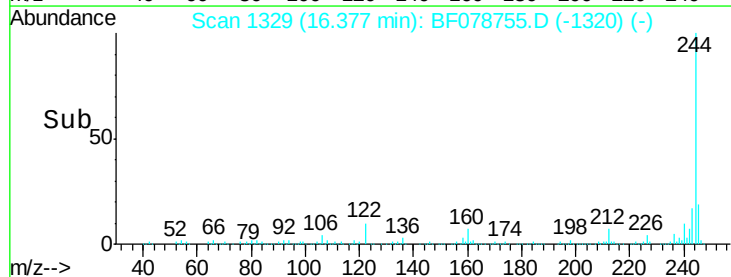
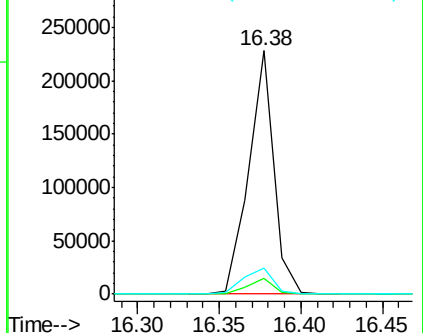
122 10.4 7.1 10.7

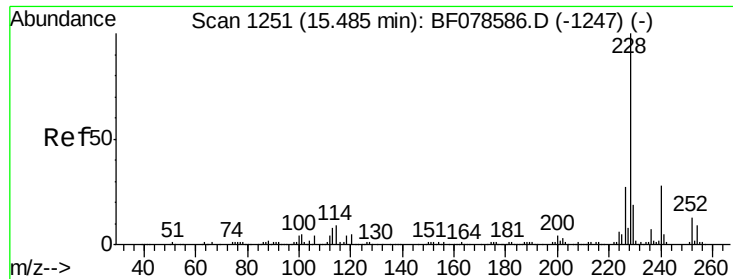


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.07 ng

RT: 17.70 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

SB-75S

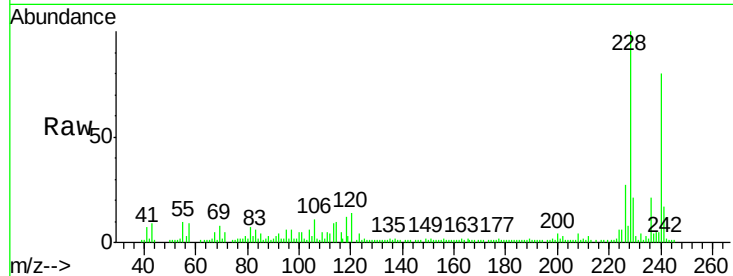
Tot Ion:228 Resp: 74548

Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

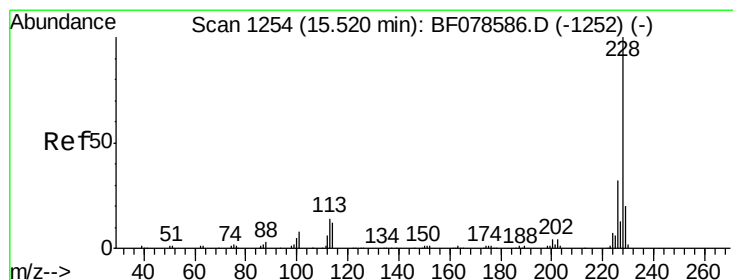
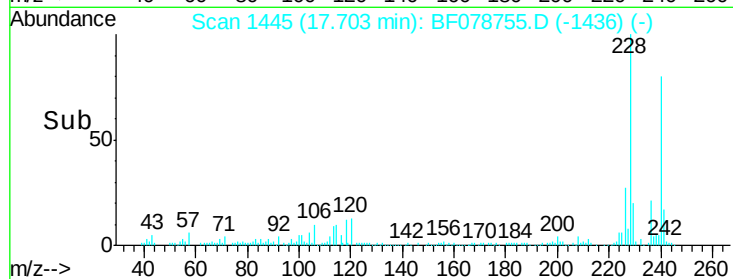
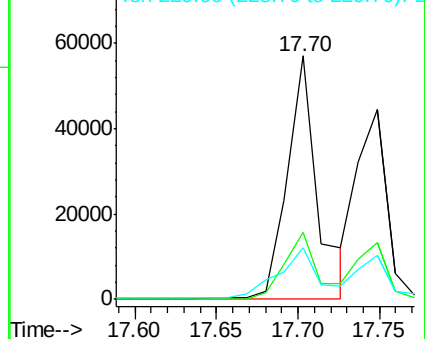
229 21.2 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 8.08 ng

RT: 17.75 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

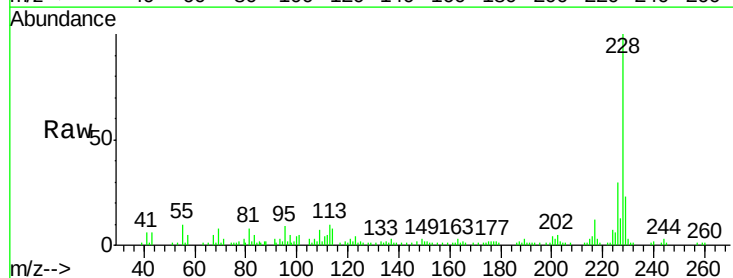
Tgt Ion:228 Resp: 56224

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

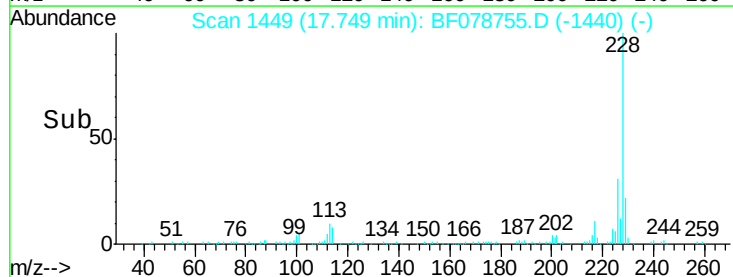
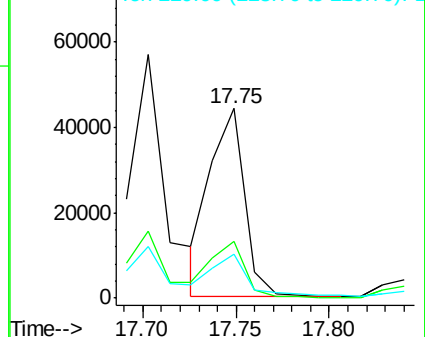
229 23.0 15.8 23.8

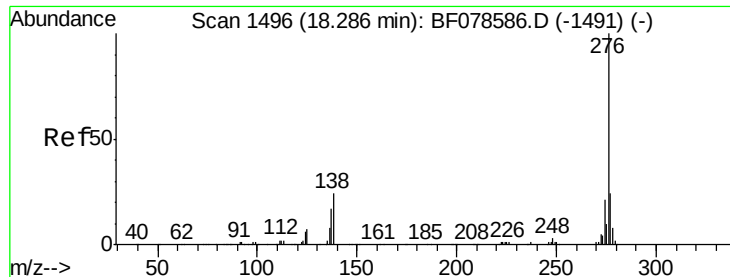


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

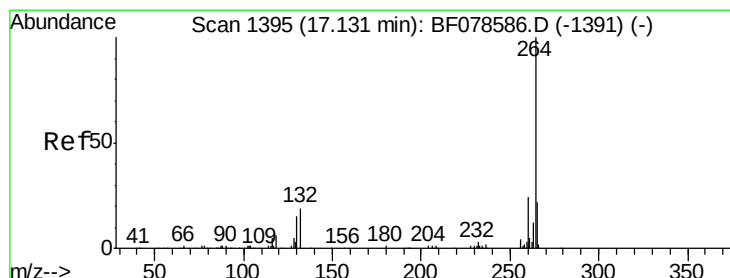
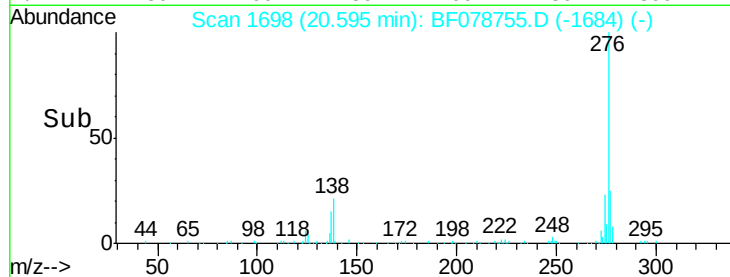
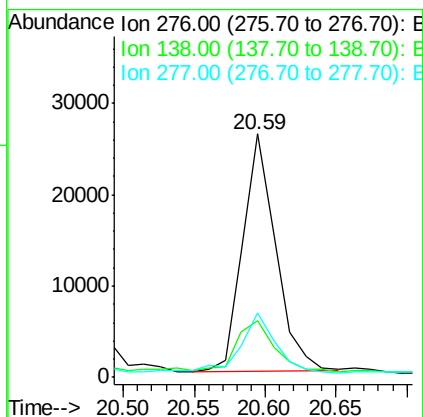
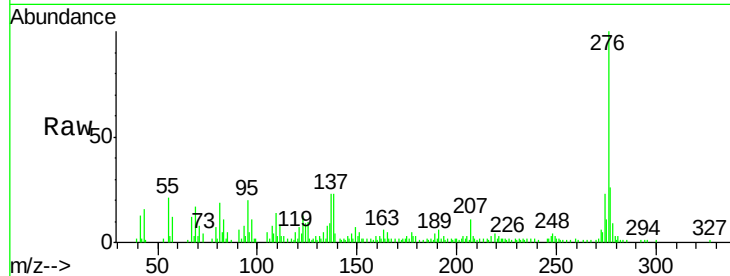




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.34 ng/mL
 RT: 20.59 min Scan# 1698
 Delta R.T. -0.14 min
 Lab File: BF078755.D
 Acq: 23 Apr 2015 18:33

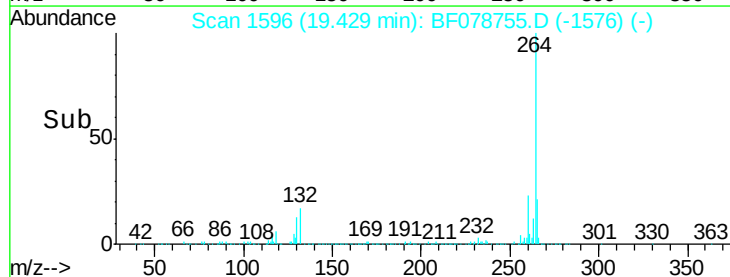
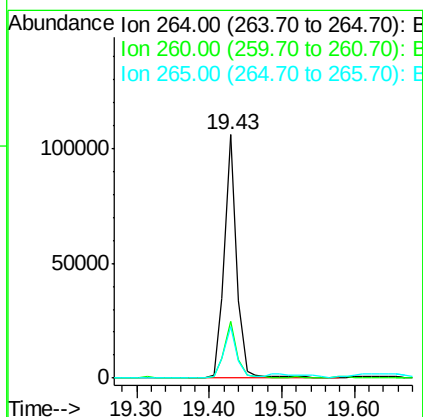
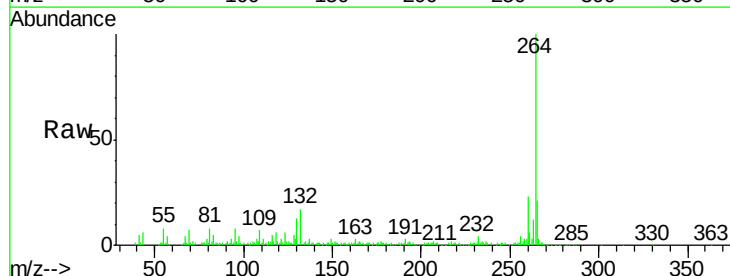
Instrument :
 BNA_F
 ClientSampleId :
 SB-75S

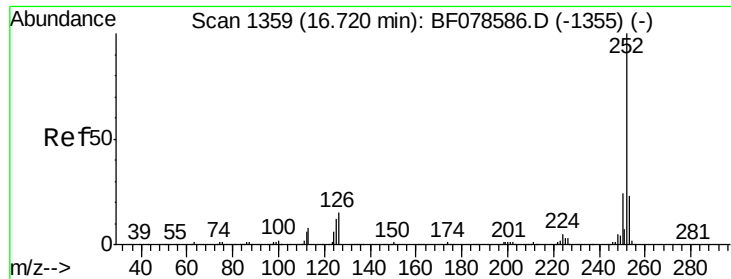
Tot Ion	Ratio	Lower	Upper
276	100		
138	3.6	16.9	25.3#
277	2.4	15.8	23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.43 min Scan# 1596
 Delta R.T. -0.07 min
 Lab File: BF078755.D
 Acq: 23 Apr 2015 18:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.4	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 11.20 ng m

RT: 18.99 min Scan# 1558

Delta R.T. -0.06 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

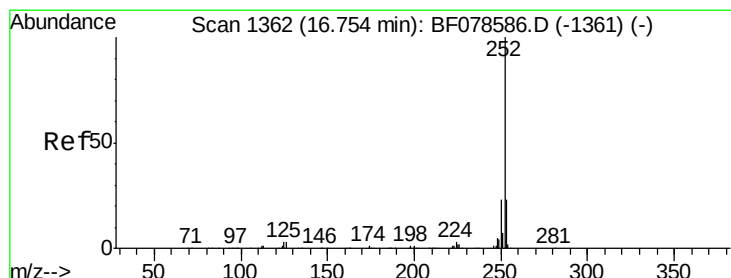
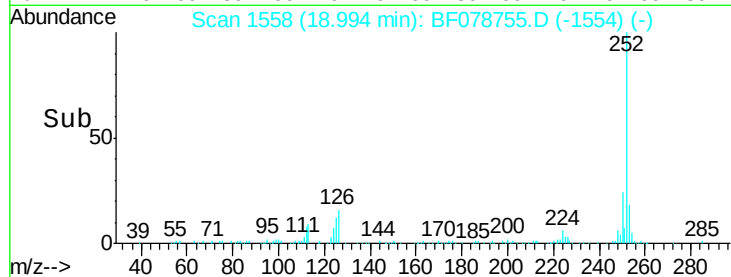
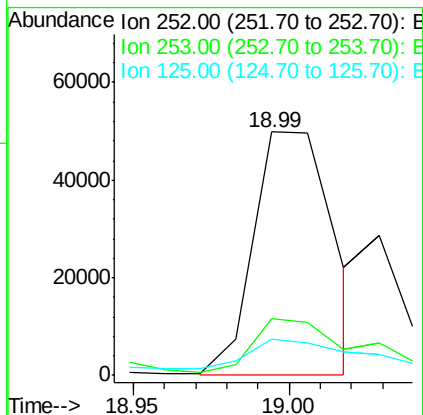
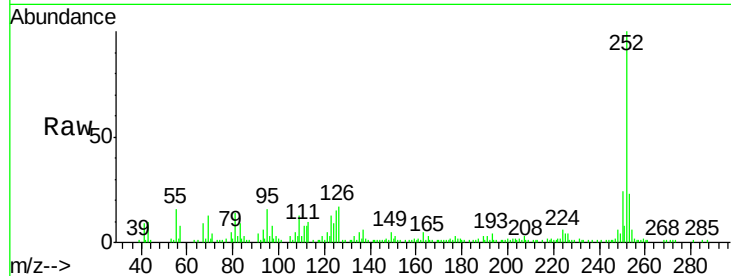
Instrument :

BNA_F

ClientSampleId :

SB-75S

Tot Ion:252	Resp:	88358
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.2 25.8
125	15.0	7.0 10.4#



#88

Benzo(k)fluoranthene

Concen: 3.91 ng m

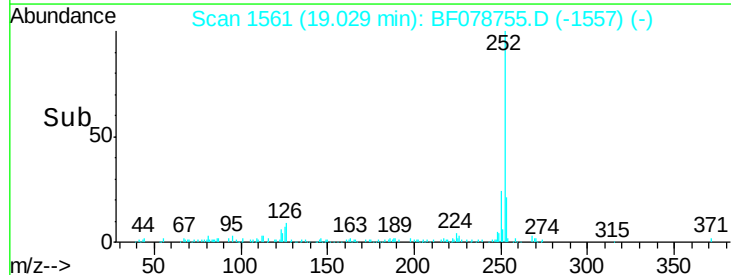
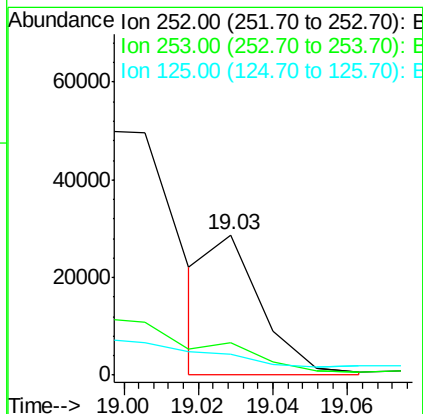
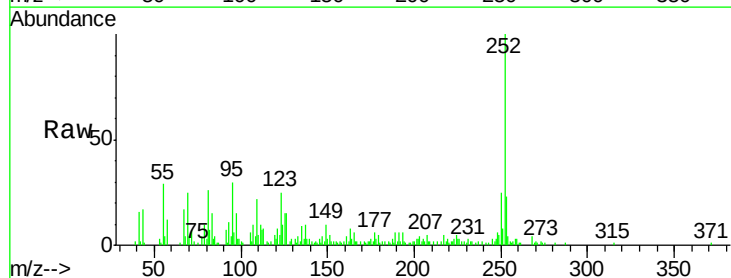
RT: 19.03 min Scan# 1561

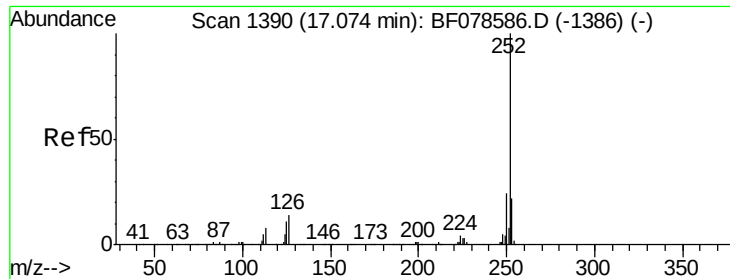
Delta R.T. -0.06 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

Tgt Ion:252	Resp:	27387
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.5 26.3
125	15.2	11.6 17.4





#89

Benzo(a)pyrene

Concen: 9.09 ng

RT: 19.36 min Scan# 1590

Delta R.T. -0.07 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

Instrument :

BNA_F

ClientSampleId :

SB-75S

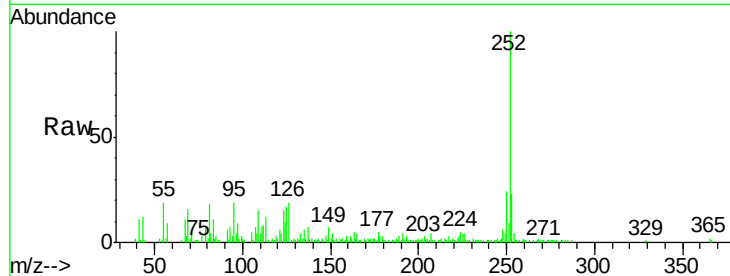
Tot Ion:252 Resp: 62606

Ion Ratio Lower Upper

252 100

253 23.5 16.8 25.2

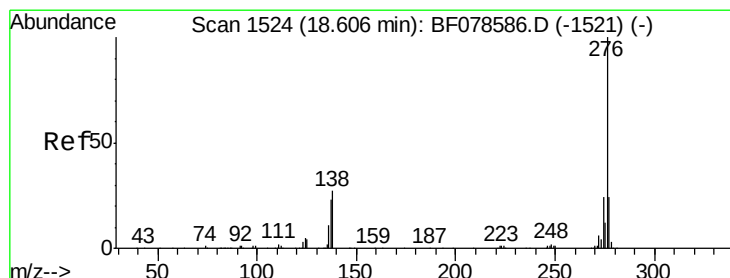
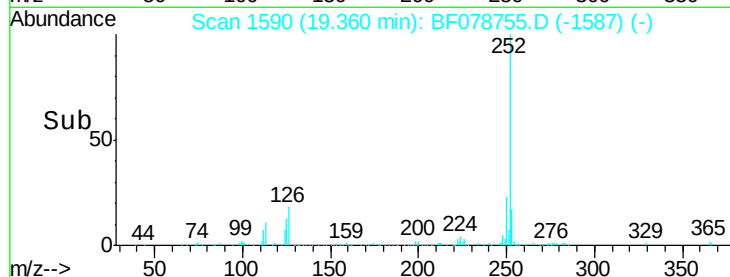
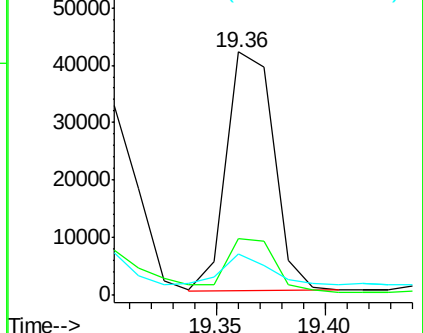
125 16.8 7.4 11.0#



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



#91

Benzo(g,h,i)perylene

Concen: 7.40 ng m

RT: 20.90 min Scan# 1725

Delta R.T. -0.14 min

Lab File: BF078755.D

Acq: 23 Apr 2015 18:33

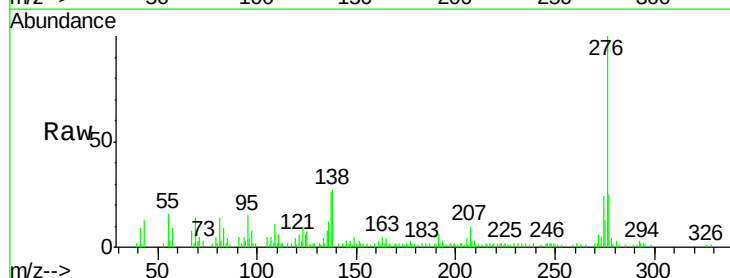
Tgt Ion:276 Resp: 51115

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 27.1 19.9 29.9



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

