

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
 Data File : BF078761.D
 Acq On : 23 Apr 2015 21:40
 Operator : TP/IZ
 Sample : G1991-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-78S

Quant Time: Apr 24 02:00:59 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

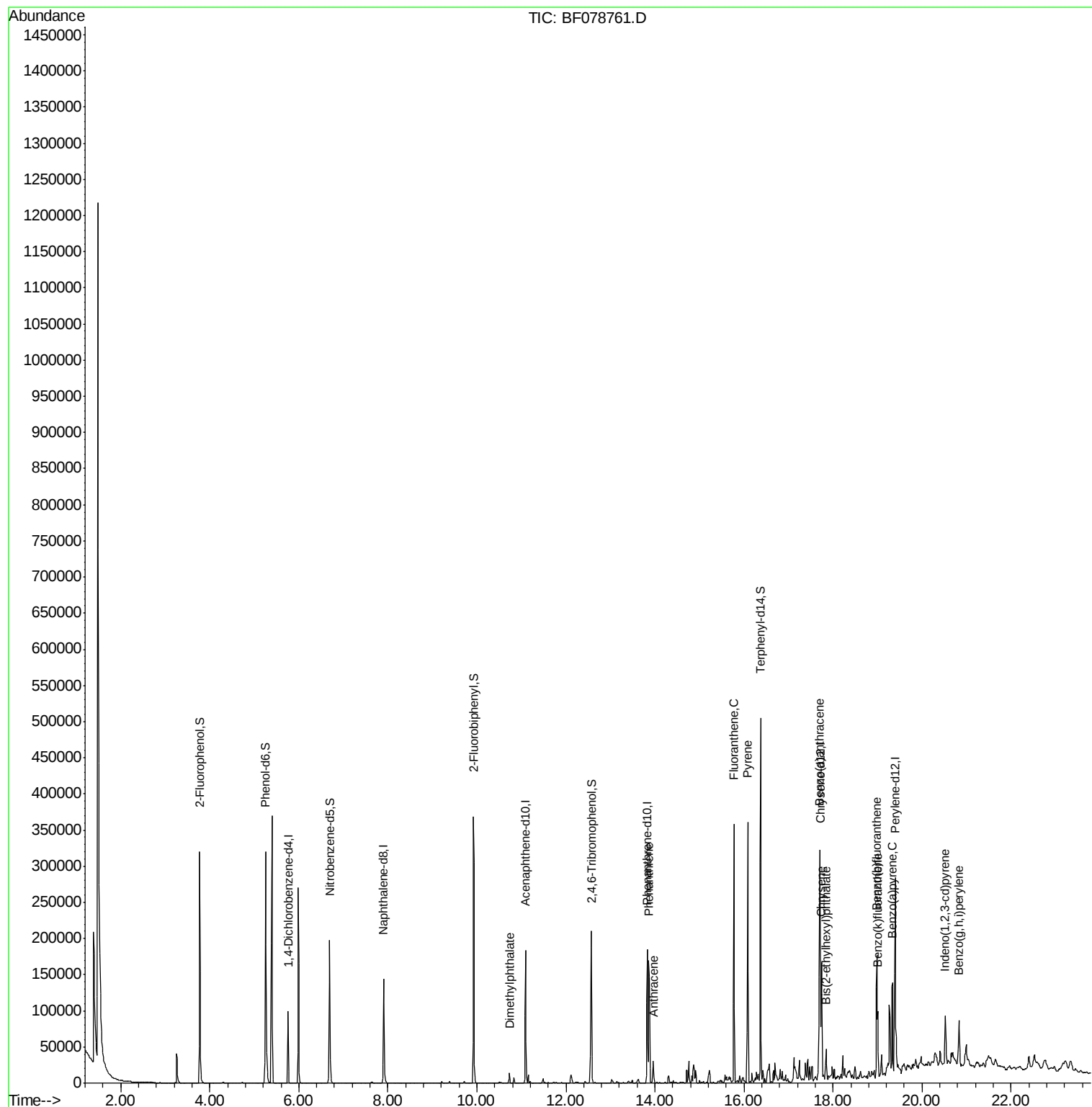
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	24830	20.00	ng	0.01
21) Naphthalene-d8	7.91	136	103973	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	53352	20.00	ng	0.00
63) Phenanthrene-d10	13.83	188	106762	20.00	ng	0.00
75) Chrysene-d12	17.71	240	118892	20.00	ng	0.00
86) Perylene-d12	19.39	264	121140	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	3.77	112	122967	81.65	ng	0.00
7) Phenol-d6	5.26	99	160061	84.81	ng	0.00
23) Nitrobenzene-d5	6.70	82	96350	56.17	ng	0.00
41) 2,4,6-Tribromophenol	12.57	330	39691	89.70	ng	0.00
44) 2-Fluorobiphenyl	9.92	172	190582	51.06	ng	-0.01
78) Terphenyl-d14	16.38	244	212577	40.40	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.73	163	9812	2.45	ng	# 97
70) Phenanthrene	13.86	178	110147	17.84	ng	98
71) Anthracene	13.97	178	22764	3.74	ng	99
74) Fluoranthene	15.77	202	170531	26.18	ng	95
77) Pyrene	16.08	202	158811	21.28	ng	96
80) Benzo(a)anthracene	17.70	228	87690m	12.40	ng	
82) Chrysene	17.74	228	69052	10.39	ng	99
83) Bis(2-ethylhexyl)phthalate	17.84	149	11558	2.59	ng	# 94
85) Indeno(1,2,3-cd)pyrene	20.51	276	46493m	6.16	ng	
87) Benzo(b)fluoranthene	18.98	252	95821	12.80	ng	# 96
88) Benzo(k)fluoranthene	19.01	252	34394m	5.17	ng	
89) Benzo(a)pyrene	19.34	252	71413	10.93	ng	98
91) Benzo(a,h,i)perylene	20.82	276	45012m	6.86	ng	

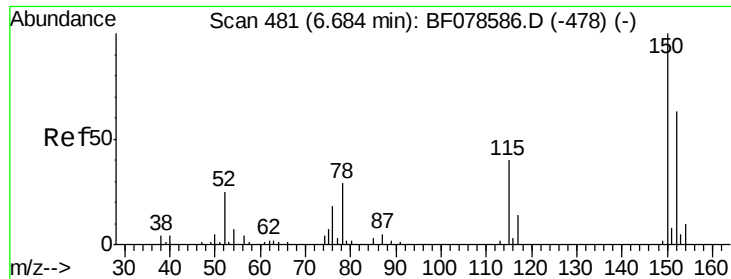
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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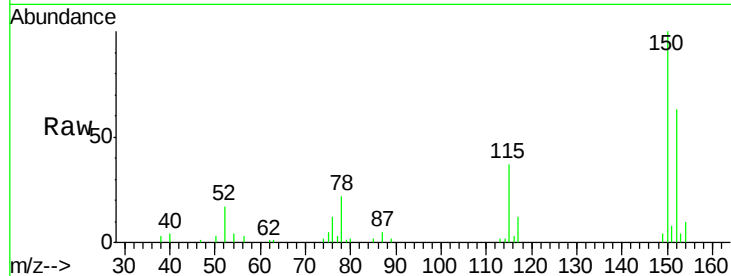




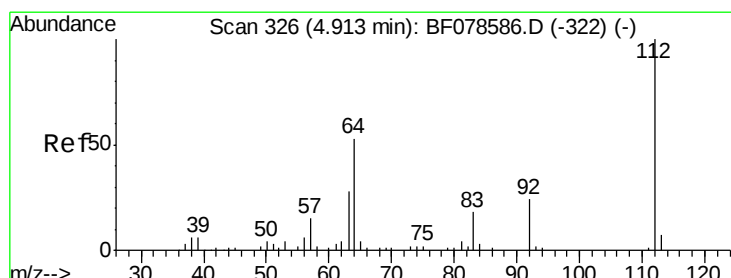
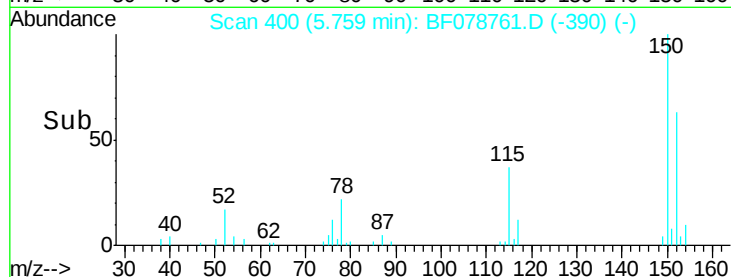
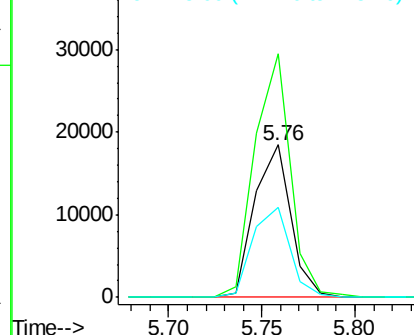
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.76 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-78S

Tot Ion:152 Resp: 24830
 Ion Ratio Lower Upper
 152 100
 150 159.8 125.9 188.9
 115 59.5 52.7 79.1

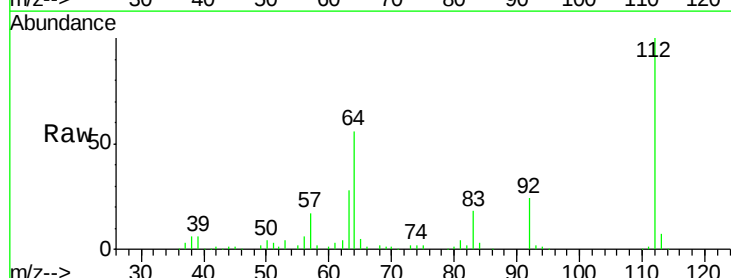


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

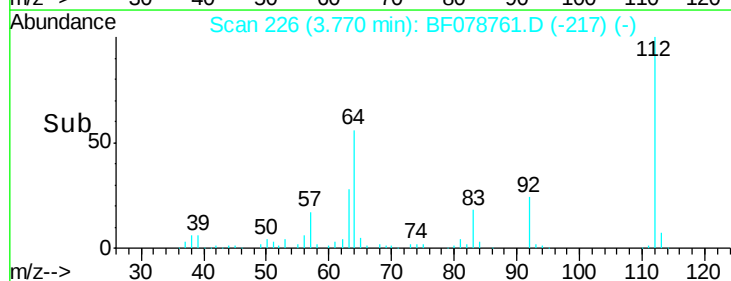
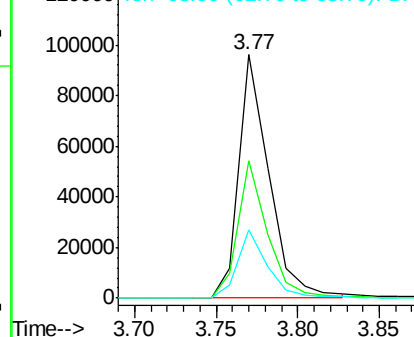


#5
 2-Fluorophenol
 Concen: 81.65 ng
 RT: 3.77 min Scan# 226
 Delta R.T. -0.00 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

Tgt Ion:112 Resp: 122967
 Ion Ratio Lower Upper
 112 100
 64 56.4 39.9 59.9
 63 28.3 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: 84.81 ng

RT: 5.26 min Scan# 356

Delta R.T. -0.00 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

Instrument :

BNA_F

ClientSampleId :

SB-78S

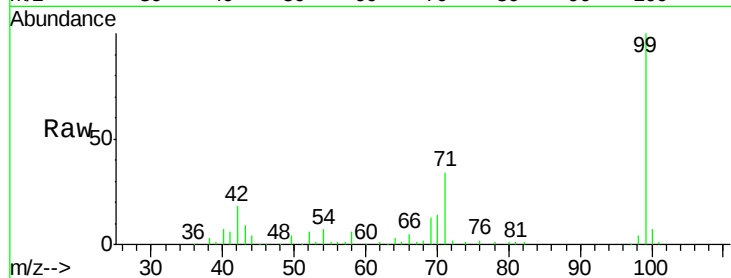
Tot Ion: 99 Resp: 160061

Ion Ratio Lower Upper

99 100

42 18.3 14.8 22.2

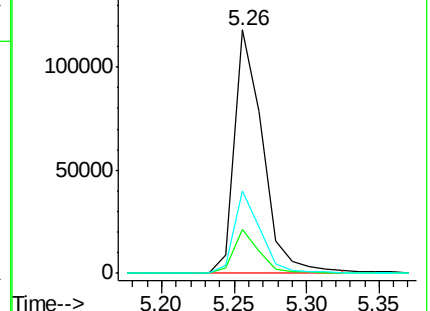
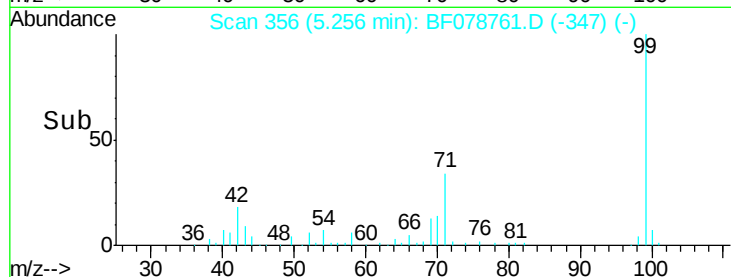
71 34.0 26.6 39.8



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: BF078761.D

Acq: 23 Apr 2015 21:40

Tgt Ion: 136 Resp: 103973

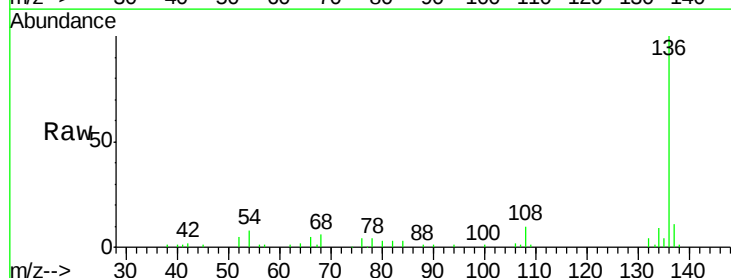
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 8.0 7.0 10.6

68 5.6 5.4 8.2

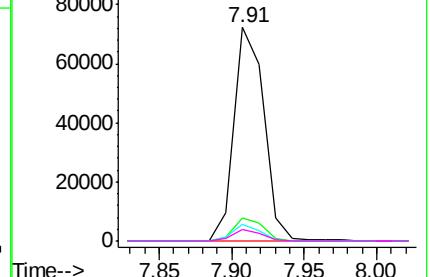
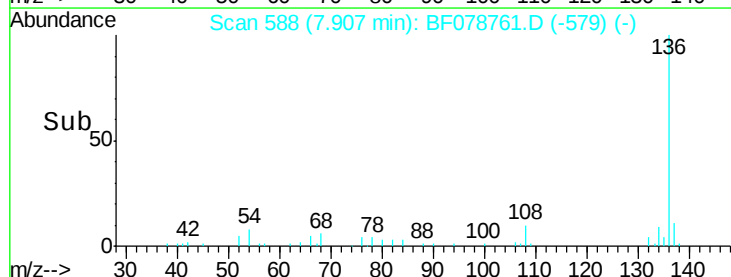


Abundance Ion 136.00 (135.70 to 136.70): E

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

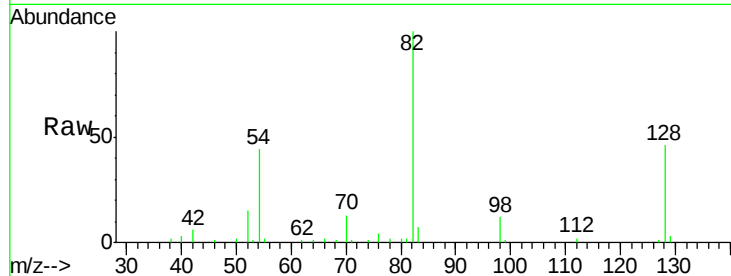




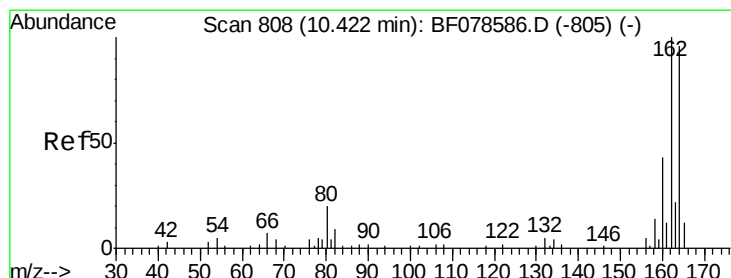
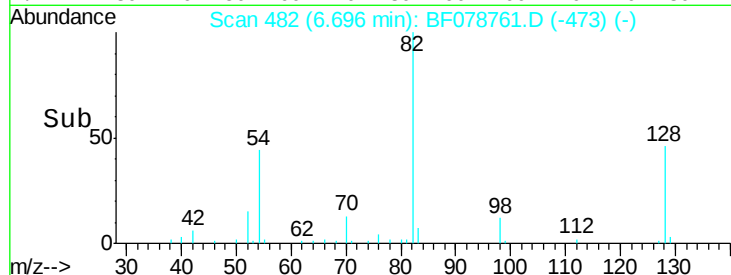
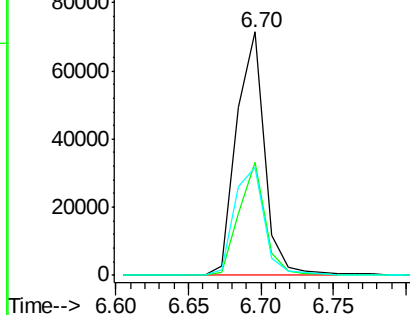
#23
Nitrobenzene-d5
Concen: 56.17 ng
RT: 6.70 min Scan# 482
Delta R.T. -0.00 min
Lab File: BF078761.D
Acq: 23 Apr 2015 21:40

Instrument :
BNA_F
ClientSampleID :
SB-78S

Tot Ion	82	Resp	96350
Ion Ratio	100	Lower	Upper
128	46.3	31.8	47.8
54	44.2	41.5	62.3

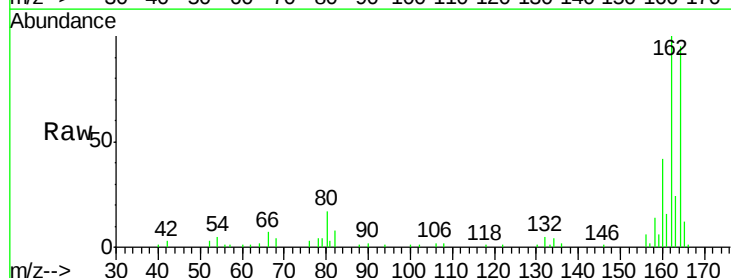


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

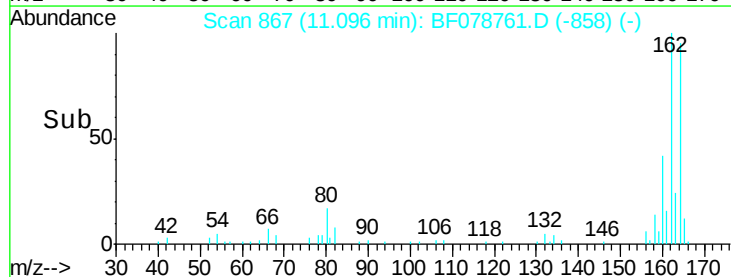
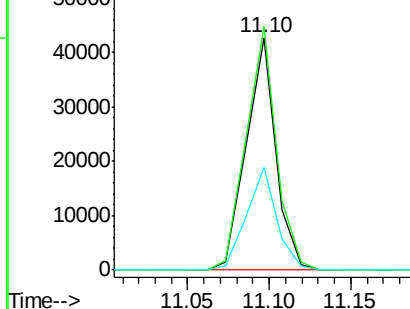


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF078761.D
Acq: 23 Apr 2015 21:40

Tgt Ion	164	Resp	53352
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	104.8	82.2	123.2
160	44.4	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

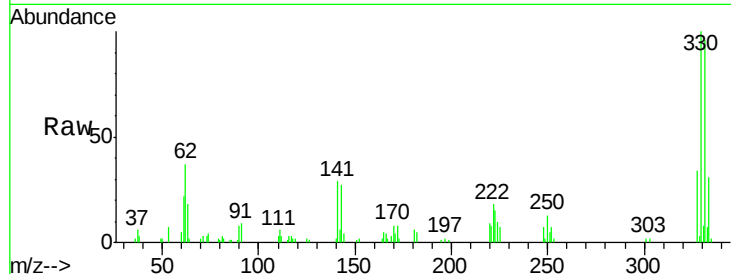




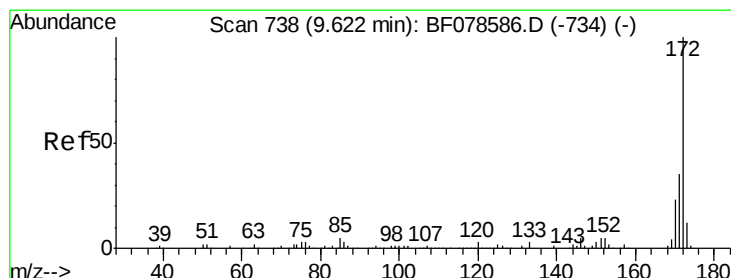
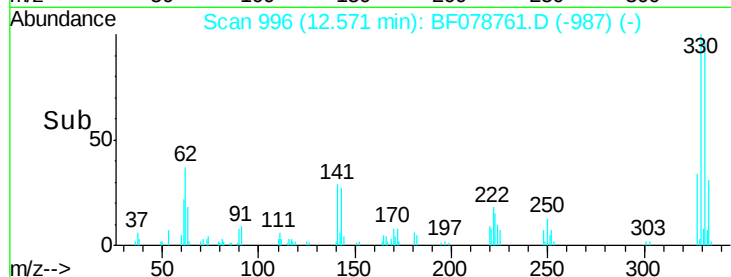
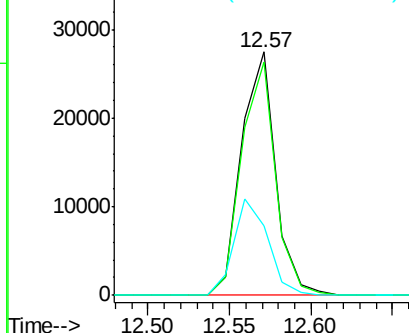
#41
 2,4,6-Tribromophenol
 Concen: 89.70 ng
 RT: 12.57 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-78S

Tot Ion:330 Resp: 39691
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.6 117.8
 141 39.6 31.2 46.8

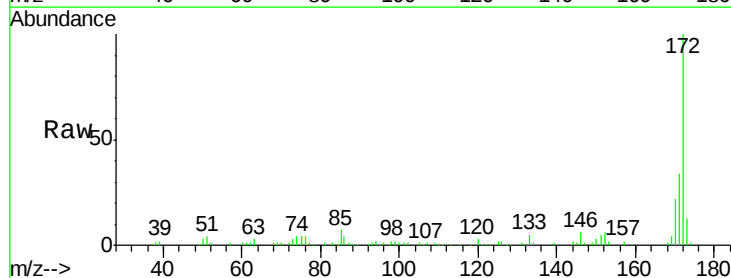


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

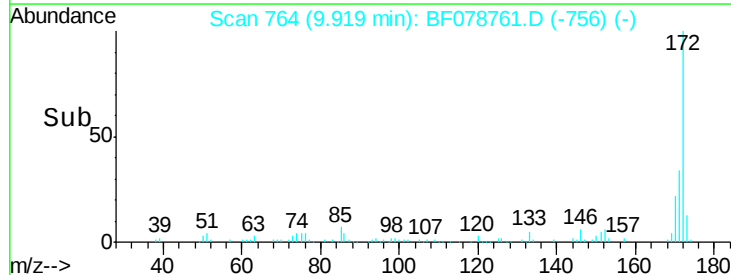
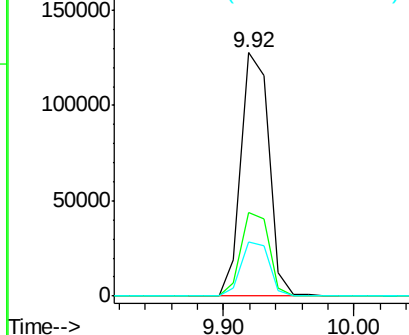


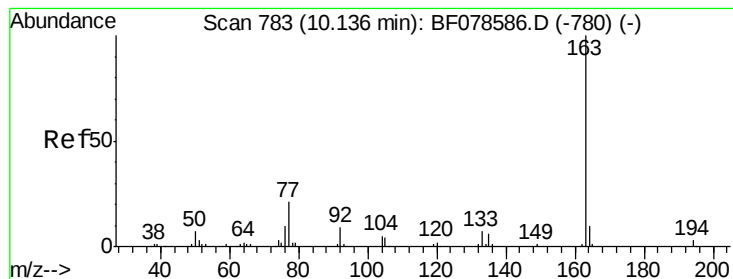
#44
 2-Fluorobiphenyl
 Concen: 51.06 ng
 RT: 9.92 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

Tgt Ion:172 Resp: 190582
 Ion Ratio Lower Upper
 172 100
 171 34.1 28.6 42.8
 170 22.0 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: 2.45 ng

RT: 10.73 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

Instrument :

BNA_F

ClientSampled :

SB-78S

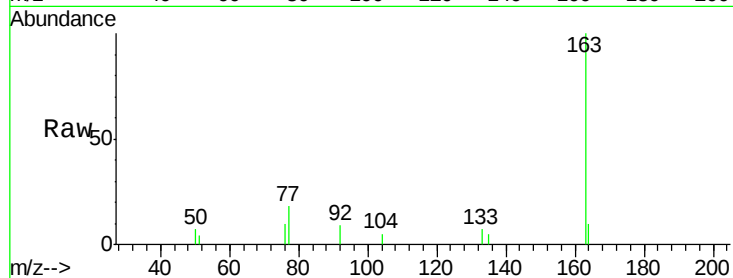
Tot Ion:163 Resp: 9812

Ion Ratio Lower Upper

163 100

194 0.0 2.3 3.5#

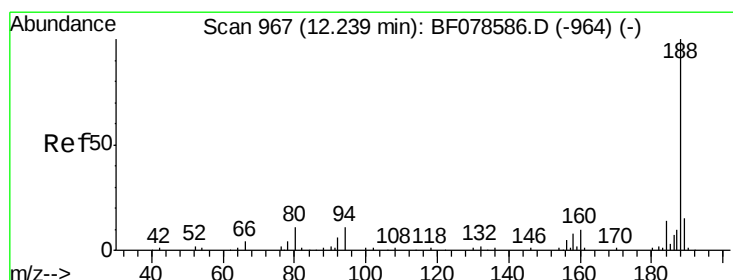
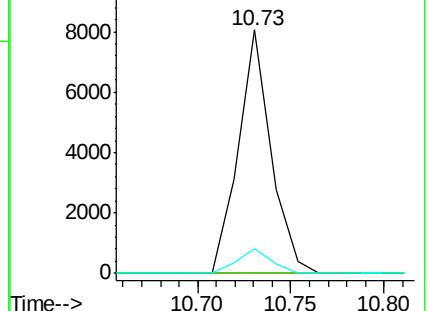
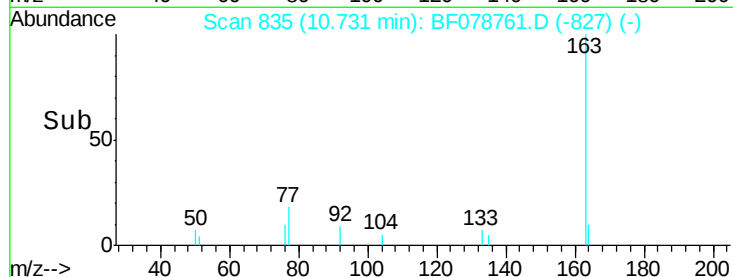
164 10.3 8.6 13.0



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: BF078761.D

Acq: 23 Apr 2015 21:40

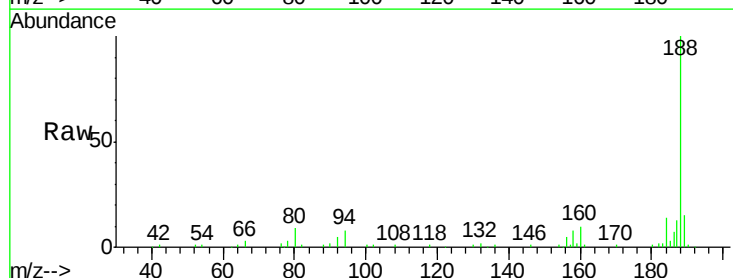
Tgt Ion:188 Resp: 106762

Ion Ratio Lower Upper

188 100

94 8.4 9.0 13.4#

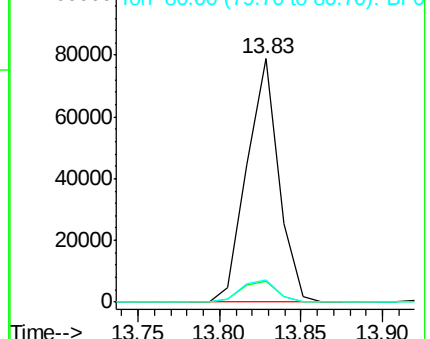
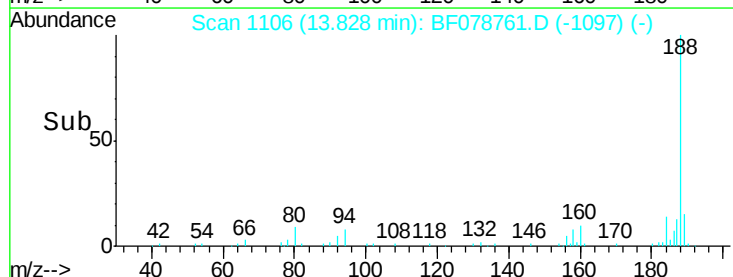
80 9.0 9.5 14.3#

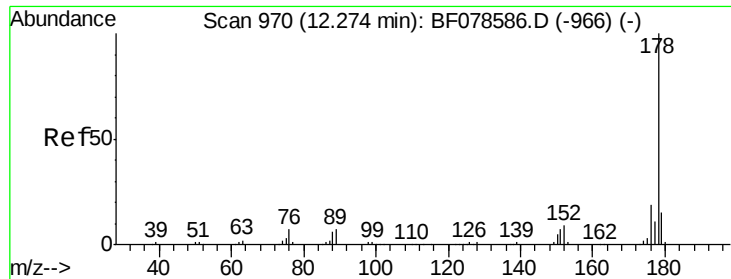


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

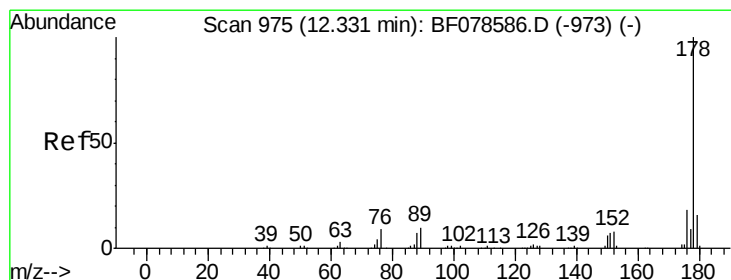
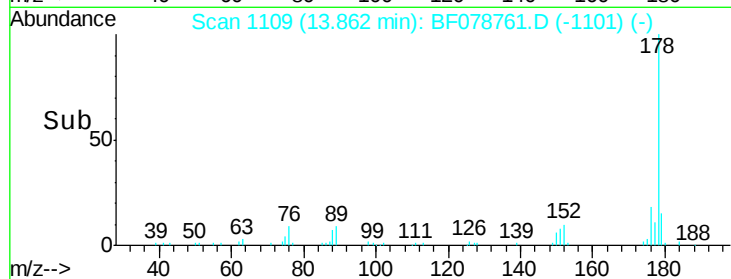
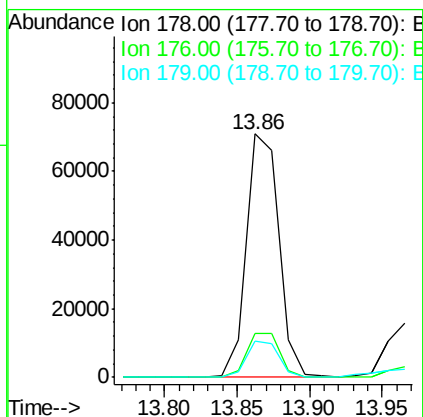
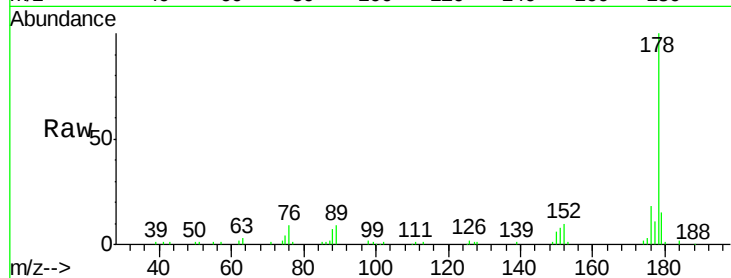




#70
 Phenanthrene
 Concen: 17.84 ng
 RT: 13.86 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

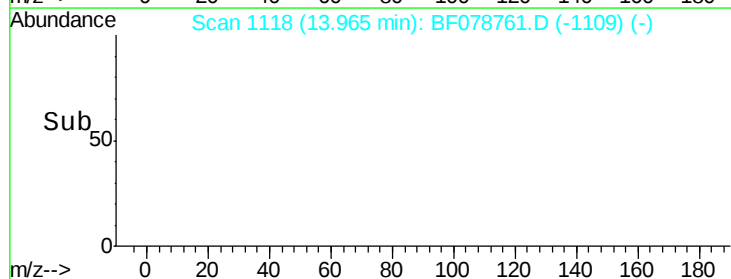
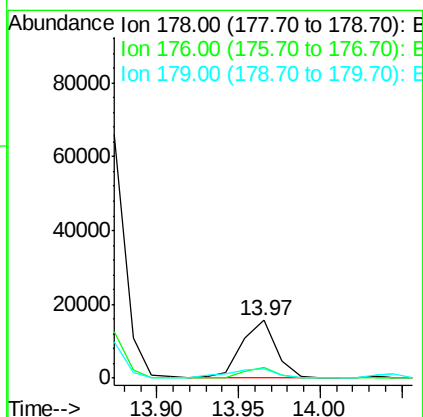
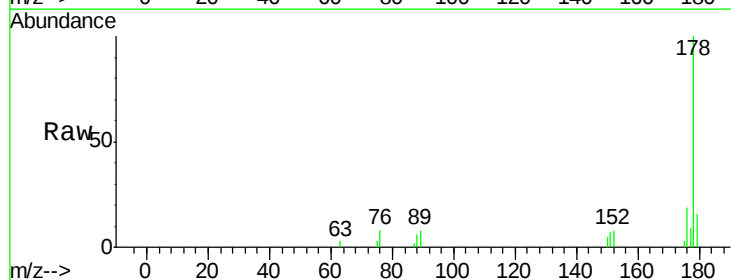
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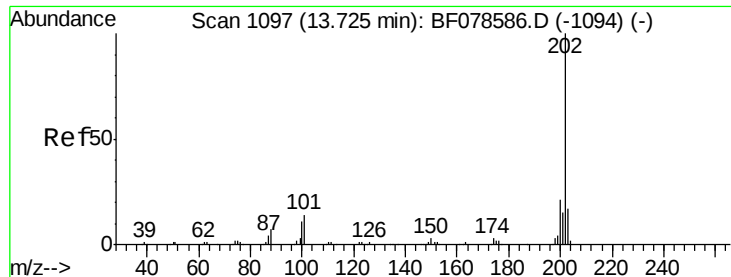
Tot Ion:178 Resp: 110147
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.0
 179 15.2 12.2 18.2



#71
 Anthracene
 Concen: 3.74 ng
 RT: 13.97 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

Tgt Ion:178 Resp: 22764
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 16.2 12.4 18.6





#74

Fluoranthene

Concen: 26.18 ng

RT: 15.77 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

Instrument :

BNA_F

ClientSampleId :

SB-78S

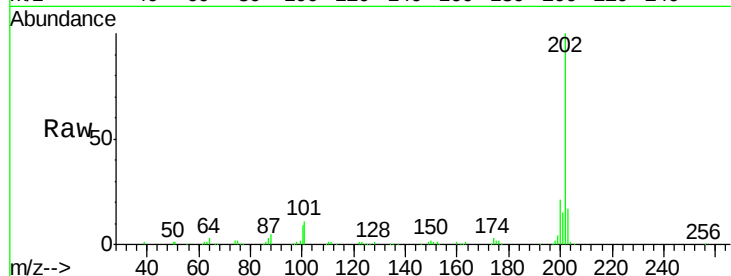
Tot Ion:202 Resp: 170531

Ion Ratio Lower Upper

202 100

101 11.4 0.0 35.2

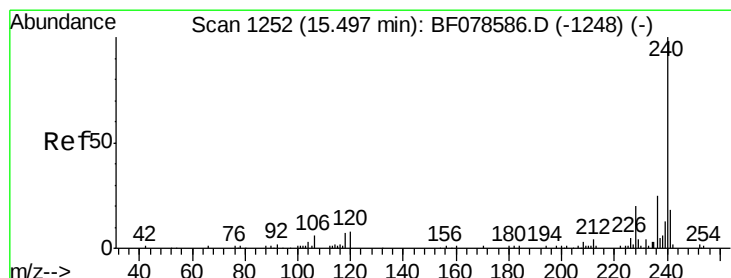
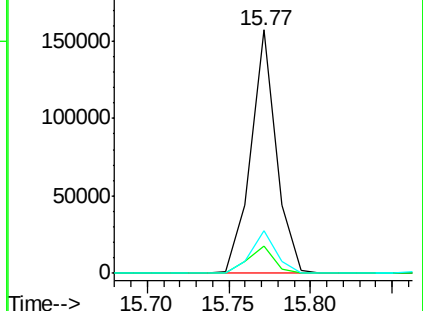
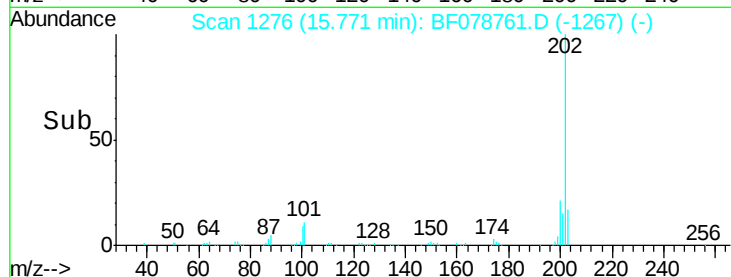
203 17.3 0.0 38.5



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: BF078761.D

Acq: 23 Apr 2015 21:40

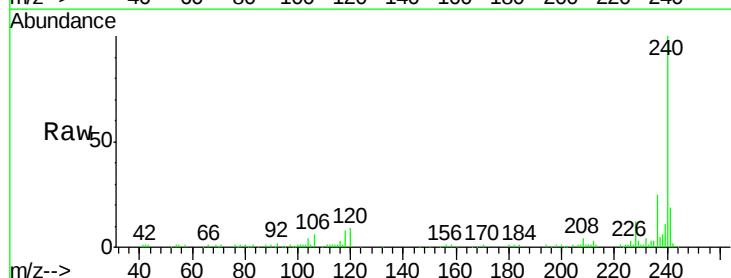
Tgt Ion:240 Resp: 118892

Ion Ratio Lower Upper

240 100

120 9.2 7.1 10.7

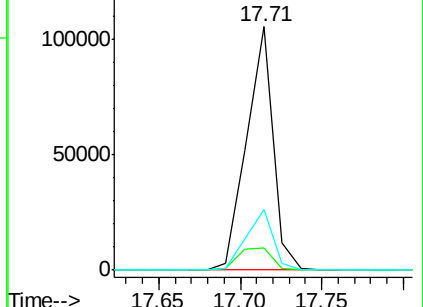
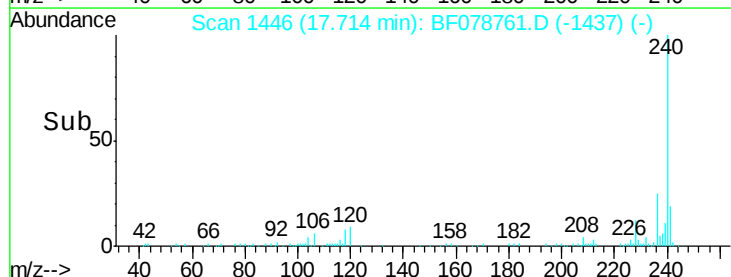
236 24.8 21.4 32.2

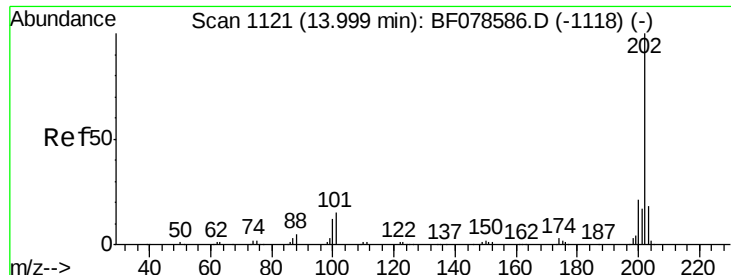


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 21.28 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

Instrument :

BNA_F

ClientSampleId :

SB-78S

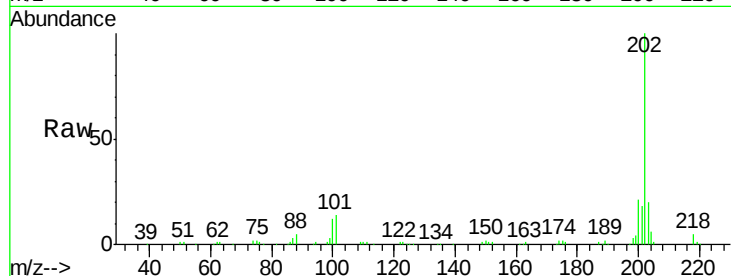
Tot Ion:202 Resp: 158811

Ion Ratio Lower Upper

202 100

200 20.9 16.3 24.5

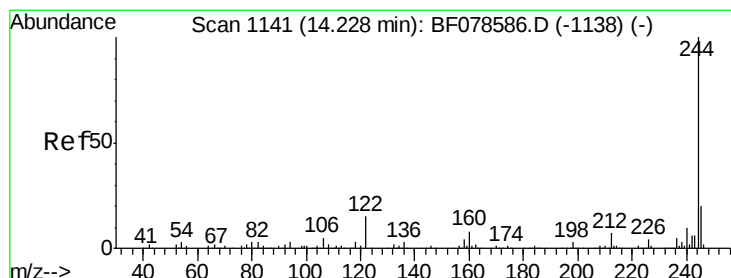
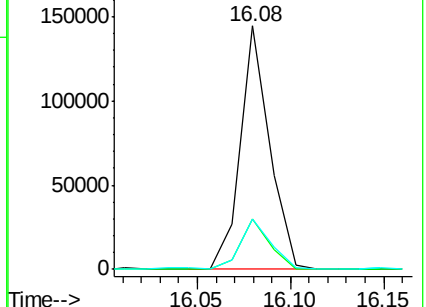
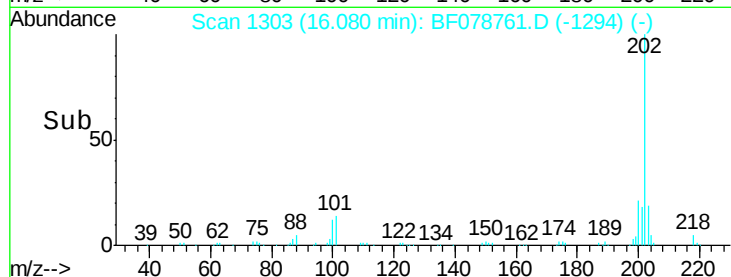
203 20.5 13.8 20.6



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: 40.40 ng

RT: 16.38 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

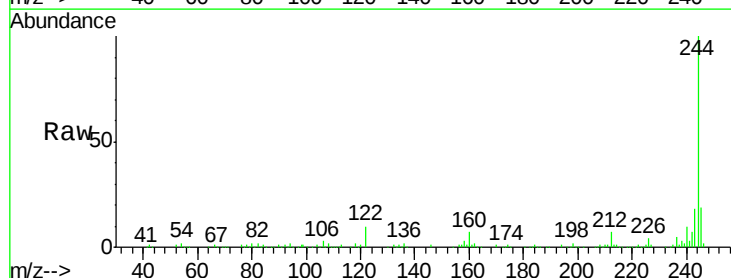
Tgt Ion:244 Resp: 212577

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

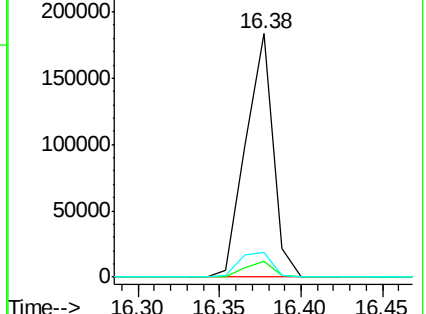
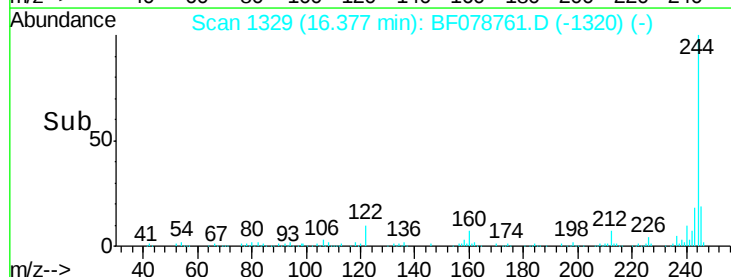
122 10.2 7.1 10.7

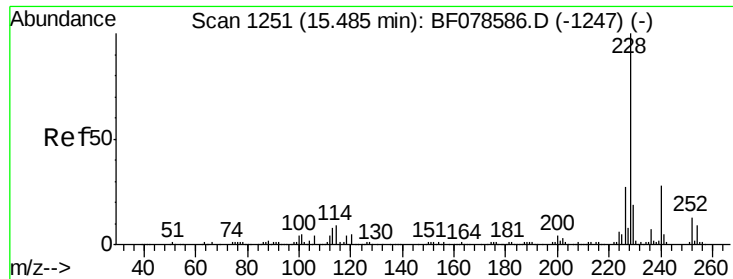


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 12.40 ng

RT: 17.70 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

Instrument :

BNA_F

ClientSampleId :

SB-78S

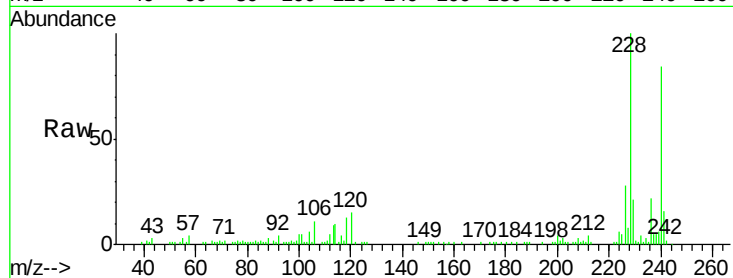
Tot Ion:228 Resp: 87690

Ion Ratio Lower Upper

228 100

226 28.3 21.3 31.9

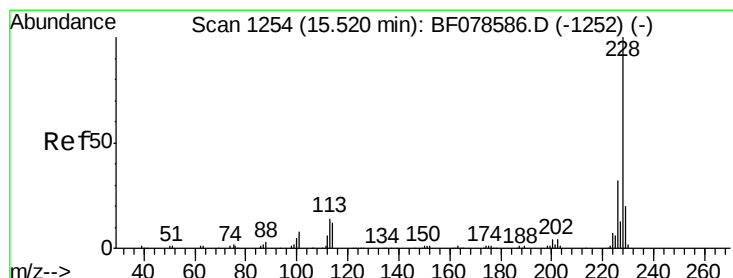
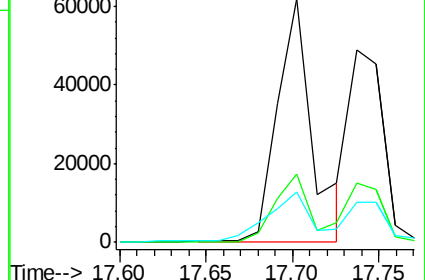
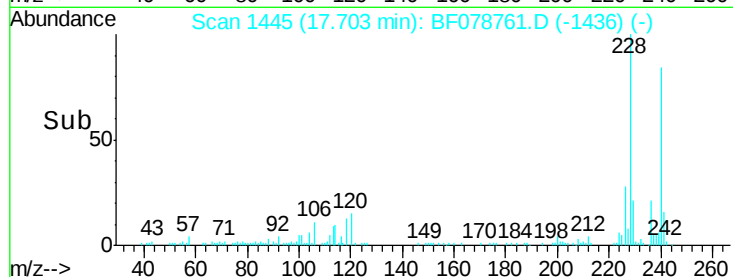
229 20.7 15.4 23.2



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: 10.39 ng

RT: 17.74 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

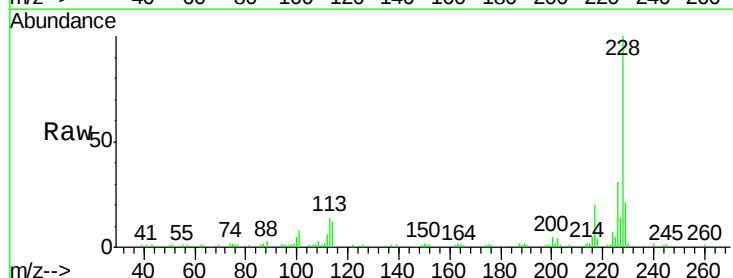
Tgt Ion:228 Resp: 69052

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

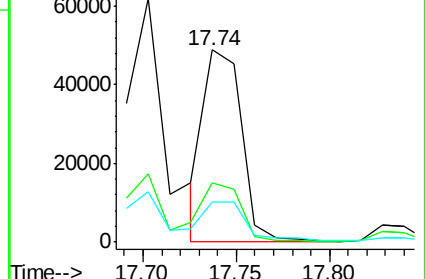
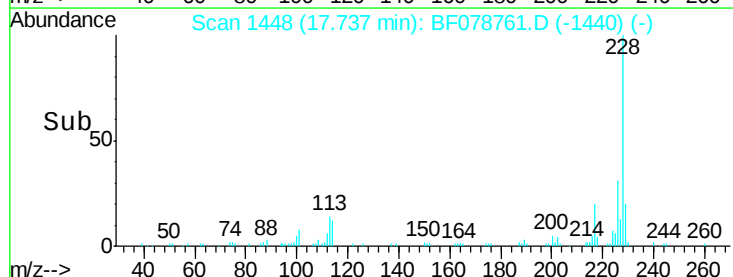
229 20.7 15.8 23.8

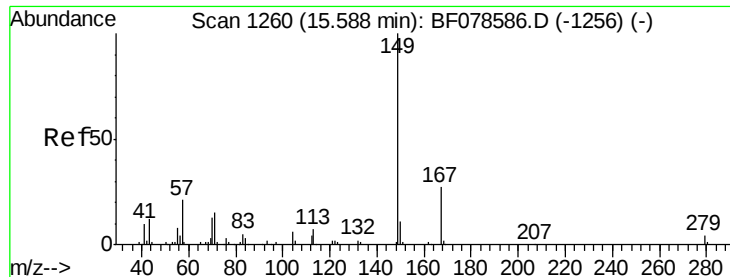


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.59 ng

RT: 17.84 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

Instrument :

BNA_F

ClientSampleId :

SB-78S

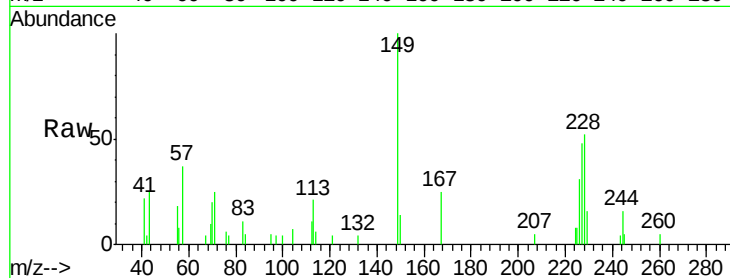
Tot Ion:149 Resp: 11558

Ion Ratio Lower Upper

149 100

167 25.2 22.2 33.2

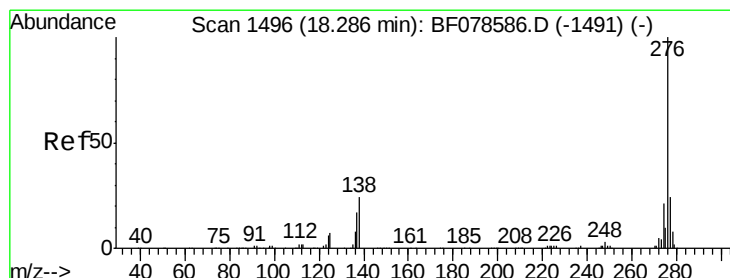
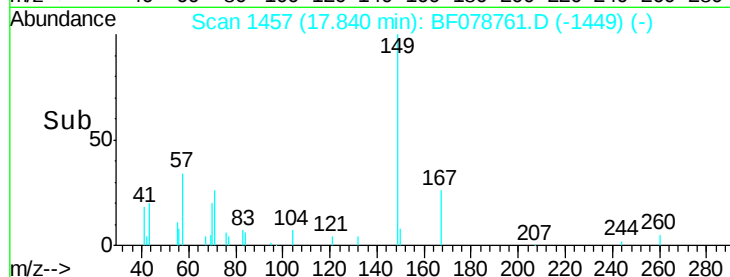
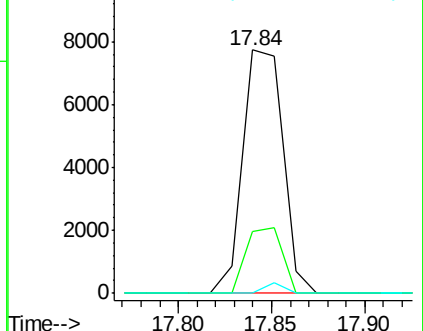
279 0.0 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.16 ng m

RT: 20.51 min Scan# 1691

Delta R.T. -0.22 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

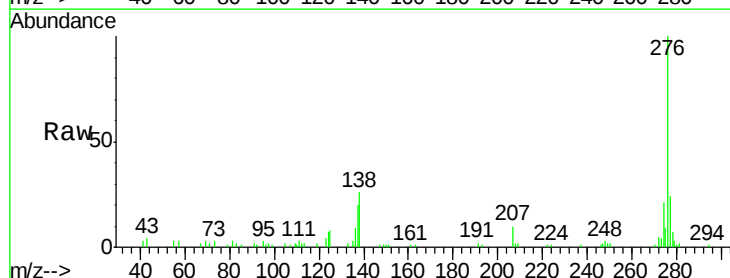
Tgt Ion:276 Resp: 46493

Ion Ratio Lower Upper

276 100

138 5.6 16.9 25.3#

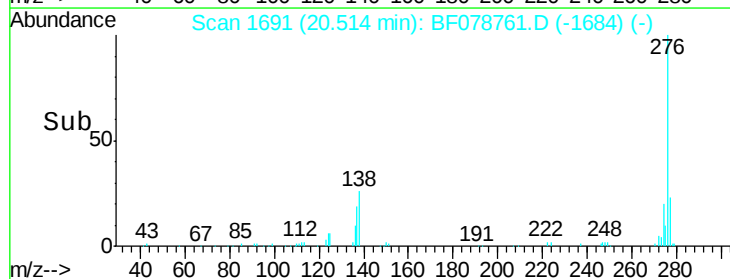
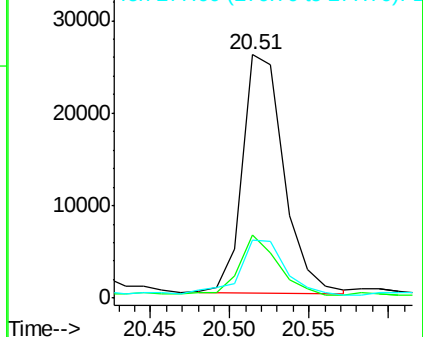
277 7.9 15.8 23.6#

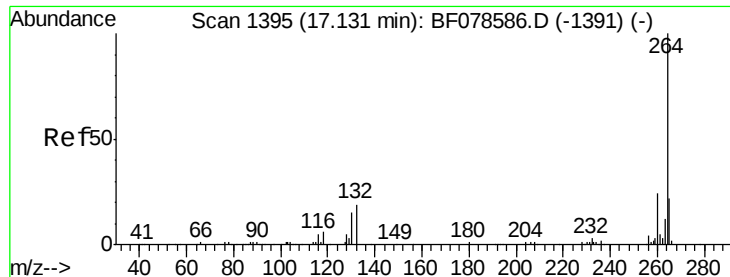


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



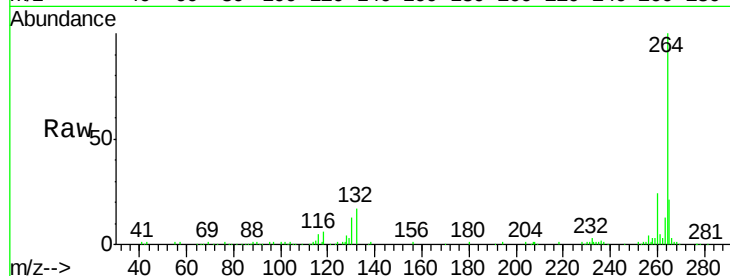


#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.39 min Scan# 1593
Delta R.T. -0.10 min
Lab File: BF078761.D
Acq: 23 Apr 2015 21:40

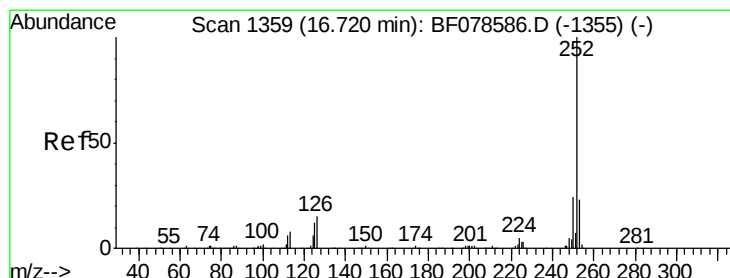
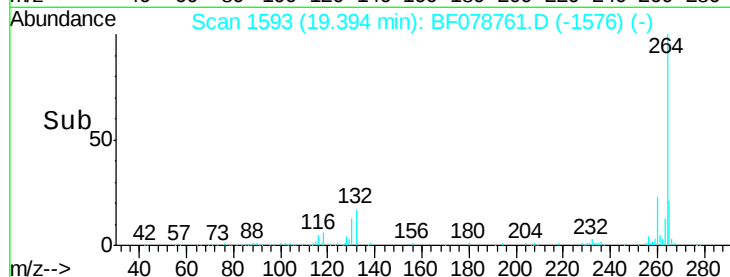
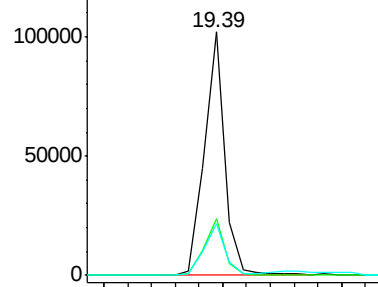
Instrument :
BNA_F
ClientSampleId :
SB-78S

Tot Ion:264 Resp: 121140

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.1	17.0	25.6



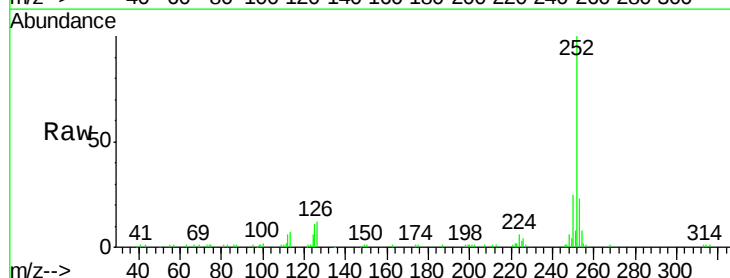
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



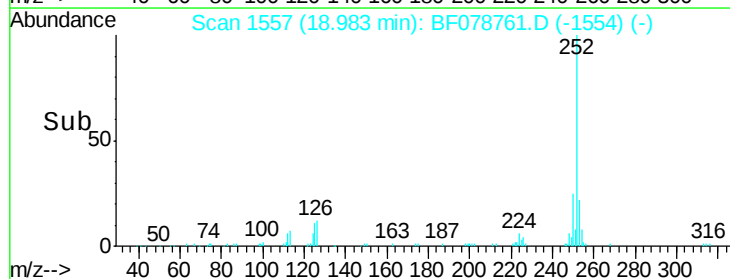
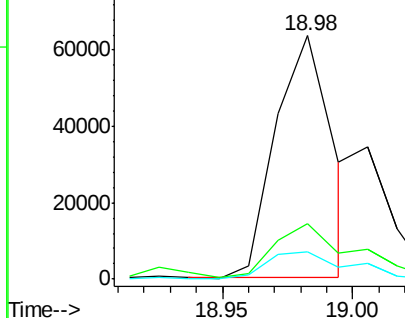
#87
Benzo(b)fluoranthene
Concen: 12.80 ng
RT: 18.98 min Scan# 1557
Delta R.T. -0.07 min
Lab File: BF078761.D
Acq: 23 Apr 2015 21:40

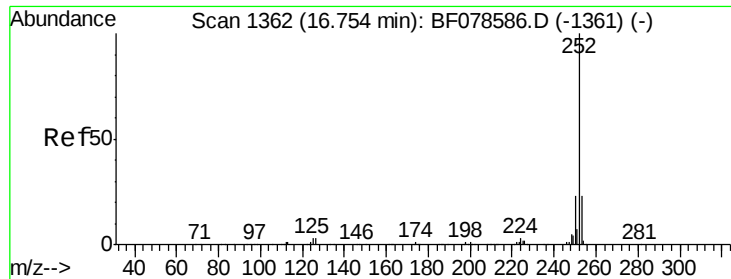
Tgt Ion:252 Resp: 95821

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	11.3	7.0	10.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 5.17 ng/mL

RT: 19.01 min Scan# 1559

Delta R.T. -0.08 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

Instrument :

BNA_F

ClientSampled :

SB-78S

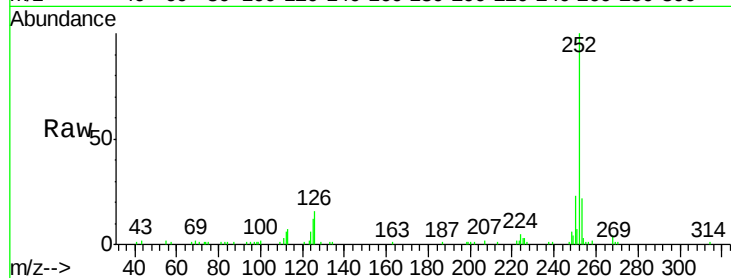
Tot Ion:252 Resp: 34394

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

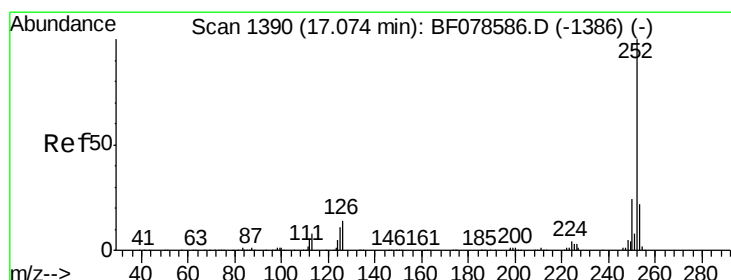
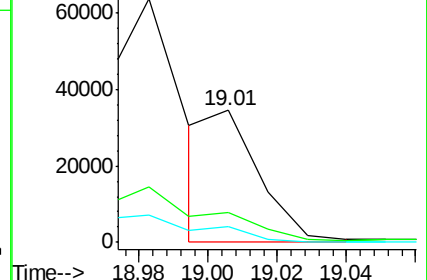
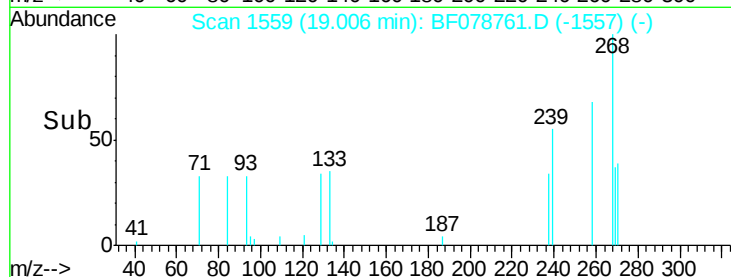
125 12.5 11.6 17.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 10.93 ng/mL

RT: 19.34 min Scan# 1588

Delta R.T. -0.09 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

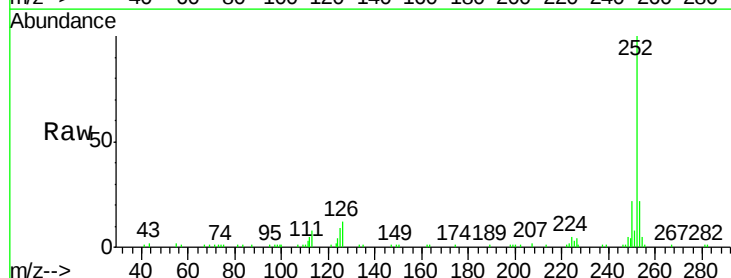
Tgt Ion:252 Resp: 71413

Ion Ratio Lower Upper

252 100

253 22.1 16.8 25.2

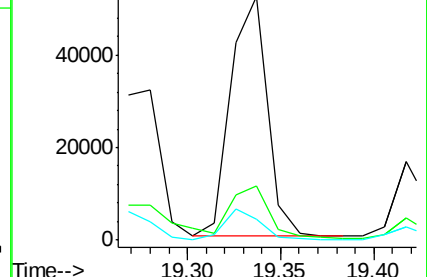
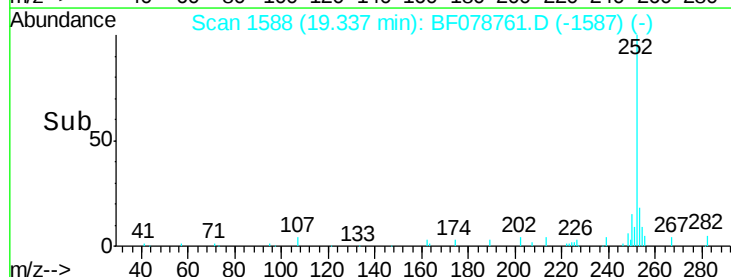
125 8.8 7.4 11.0

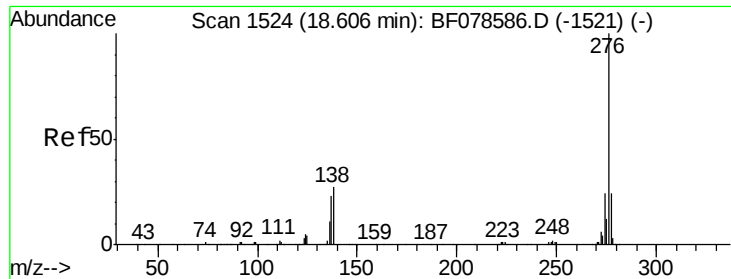


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 6.86 ng/mL

RT: 20.82 min Scan# 1718

Delta R.T. -0.22 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

Instrument :

BNA_F

ClientSampleId :

SB-78S

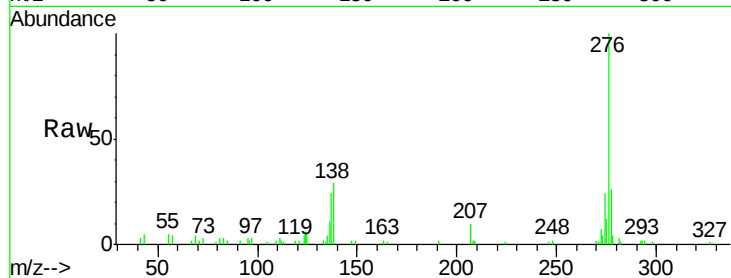
Tot Ion: 276 Resp: 45012

Ion Ratio Lower Upper

276 100

277 25.5 19.0 28.4

138 29.3 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

