

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 01:07:10 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

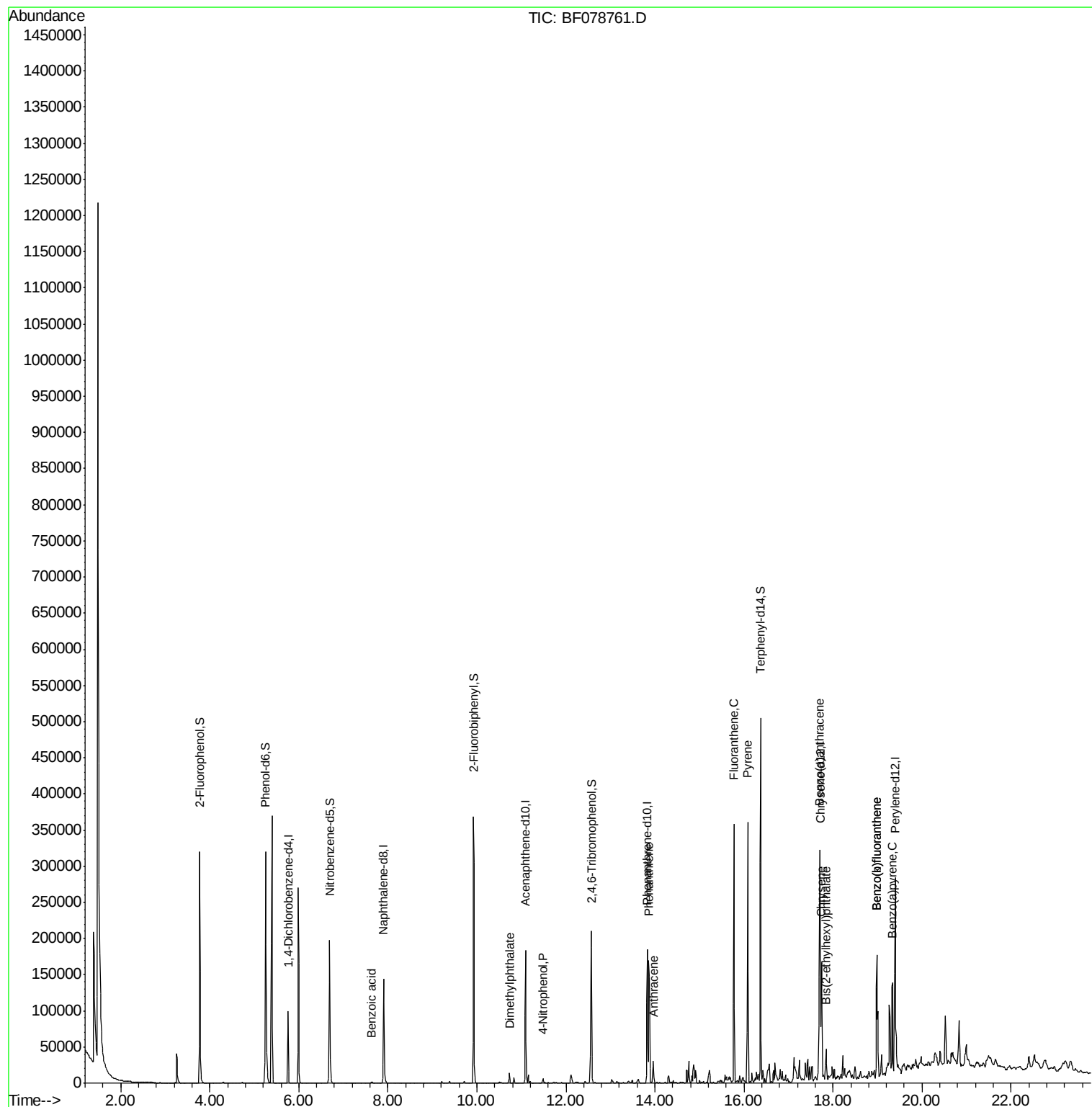
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	24830	20.00	ng	0.01
21) Naphthalene-d8	7.91	136	103973	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	53352	20.00	ng	0.00
63) Phenanthrene-d10	13.83	188	106762	20.00	ng	0.00
75) Chrysene-d12	17.71	240	118892	20.00	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
32) Benzoic acid	7.63	122	1033	7.01	ng	91
49) Dimethylphthalate	10.73	163	9812	2.45	ng	# 97
55) 4-Nitrophenol	11.48	139	1477	4.83	ng	# 18
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	77617	10.97	ng	97
82) Chrysene	17.74	228	69052	10.39	ng	99
83) Bis(2-ethylhexyl)phthalate	17.84	149	11558	2.59	ng	# 94
87) Benzo(b)fluoranthene	18.98	252	95821	12.80	ng	# 96
88) Benzo(k)fluoranthene	18.98	252	129237	19.42	ng	# 96
89) Benzo(a)pyrene	19.34	252	71413	10.93	ng	98

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

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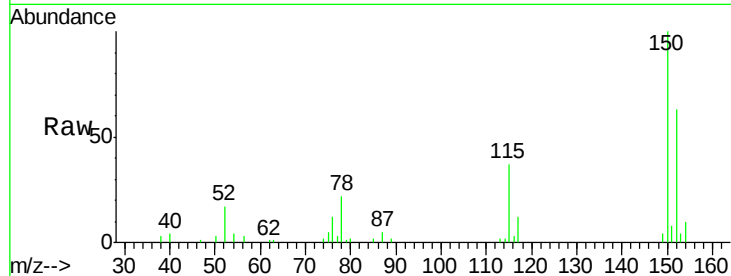


#1

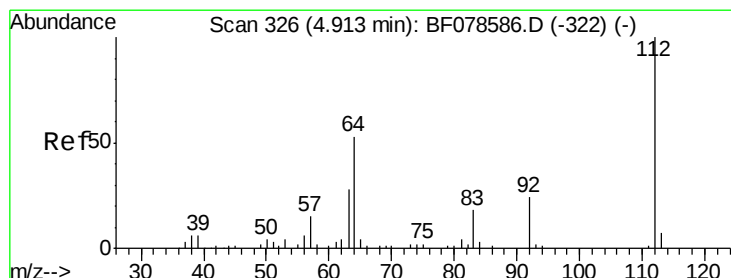
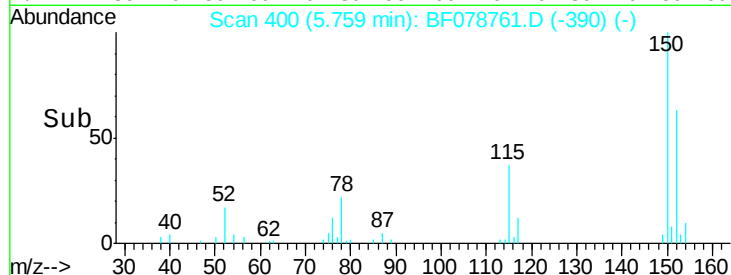
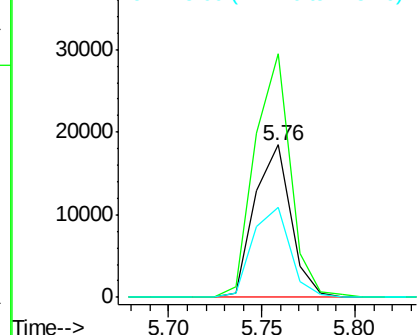
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 400
Delta R.T. 0.01 min
Lab File: BF078761.D
Acq: 23 Apr 2015 21:40

Instrument :
BNA_F
ClientSampleId :
SB-78S

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



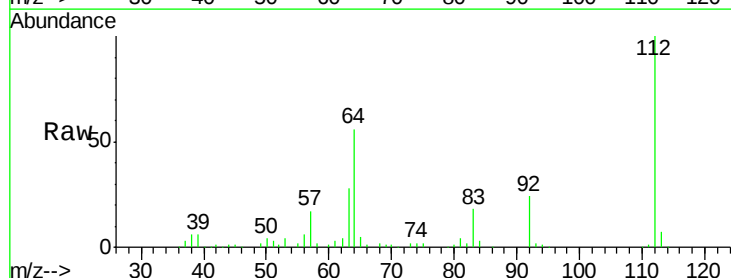
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



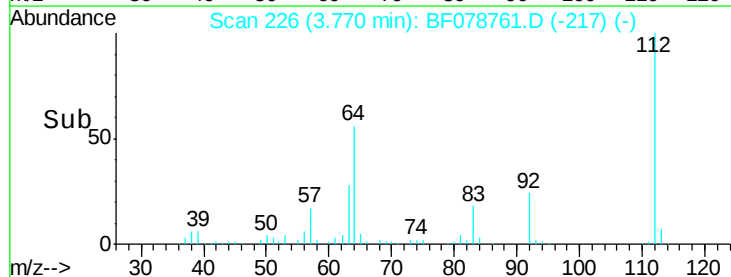
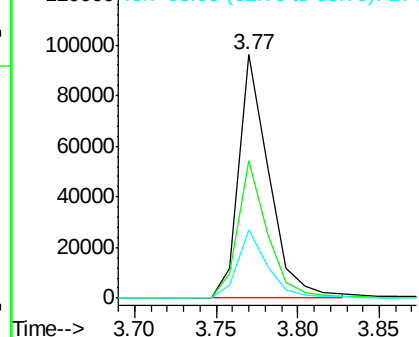
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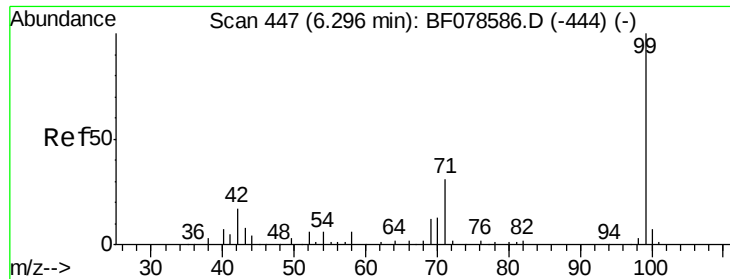
2-Fluorophenol
Concen: 81.65 ng
RT: 3.77 min Scan# 226
Delta R.T. -0.00 min
Lab File: BF078761.D
Acq: 23 Apr 2015 21:40

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

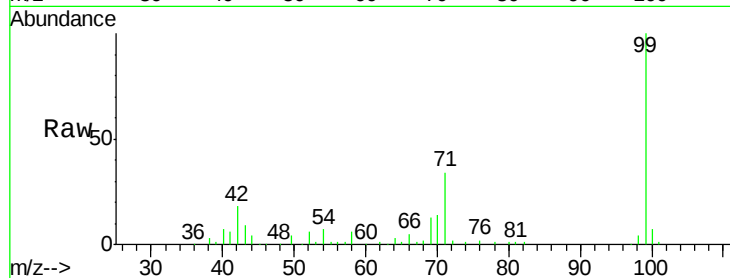
Tgt Ion: 99 Resp: 160061

Ion Ratio Lower Upper

99 100

42 18.3 14.8 22.2

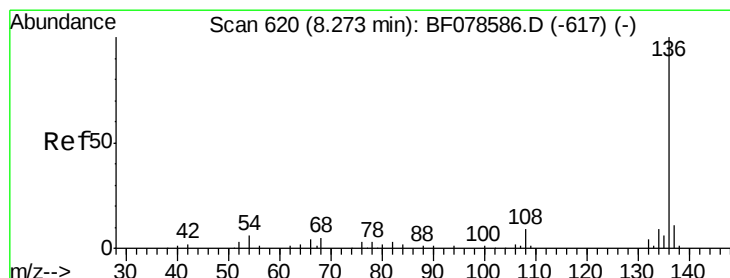
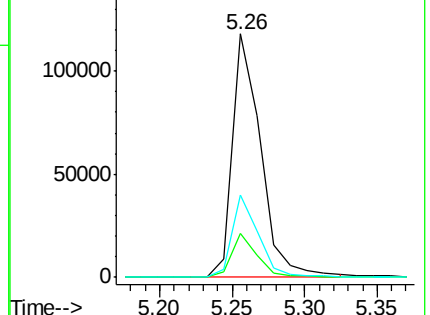
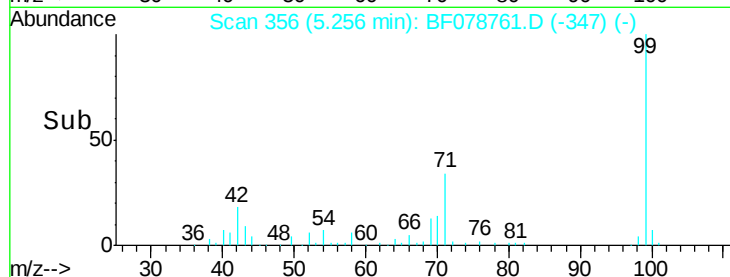
71 34.0 26.6 39.8



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

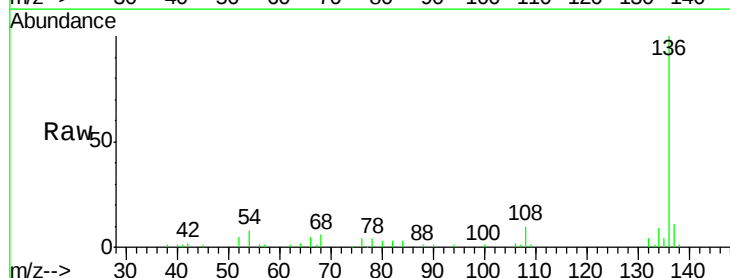
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 8.0 7.0 10.6

68 5.6 5.4 8.2

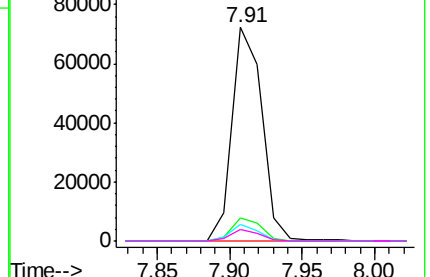
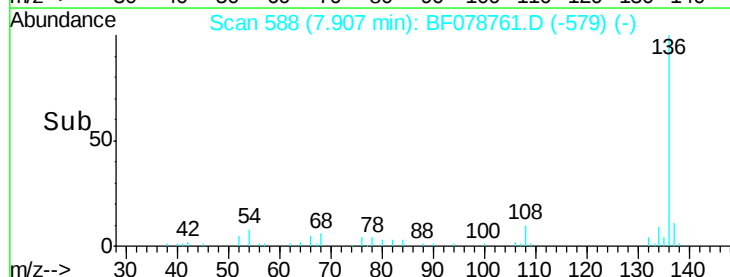


Abundance Ion 136.00 (135.70 to 136.70): E

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

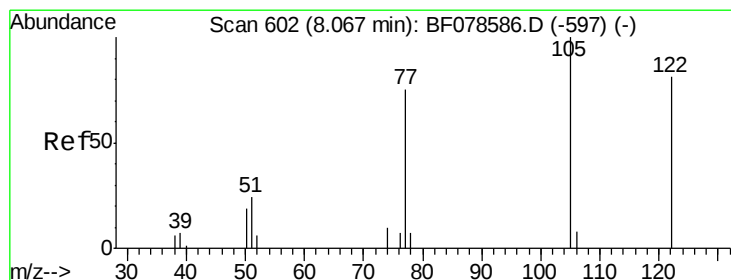
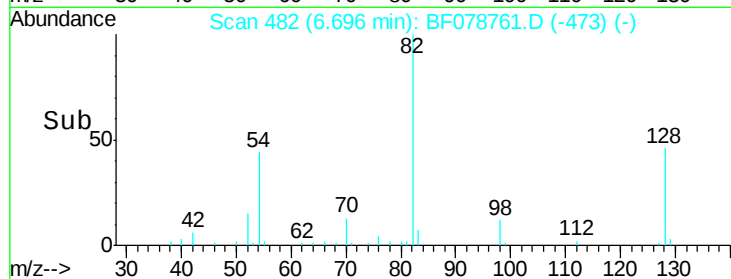
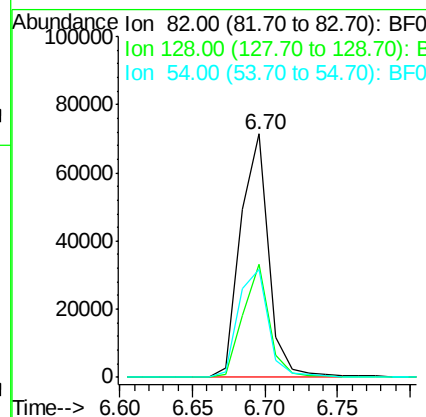
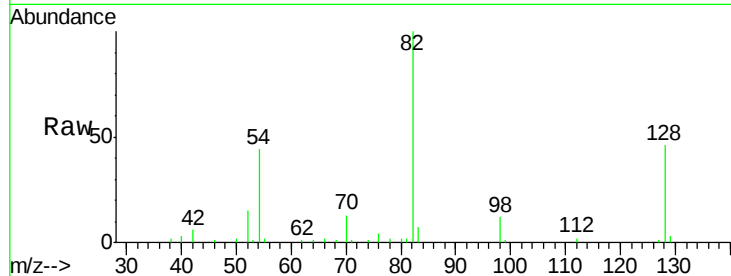




#23
 Nitrobenzene-d5
 Concen: 56.17 ng
 RT: 6.70 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

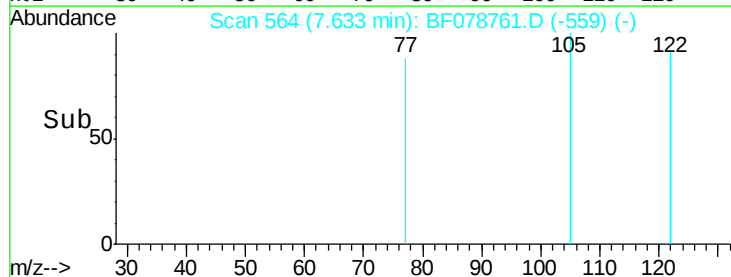
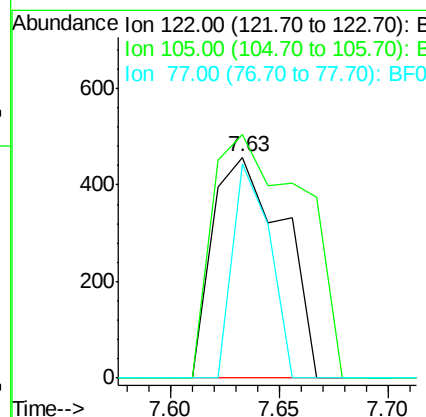
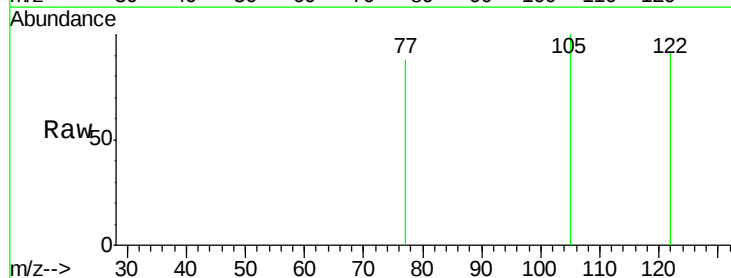
Instrument :
 BNA_F
 ClientSampleID :
 SB-78S

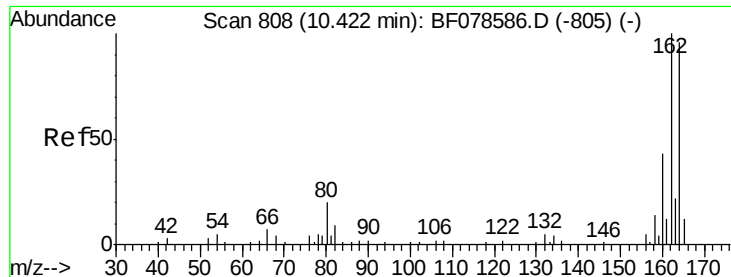
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.3	31.8	47.8
54	44.2	41.5	62.3



#32
 Benzoic acid
 Concen: 7.01 ng
 RT: 7.63 min Scan# 564
 Delta R.T. -0.05 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	110.0	96.1	136.1
77	96.9	64.1	104.1





#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

Instrument :

BNA_F

ClientSampleId :

SB-78S

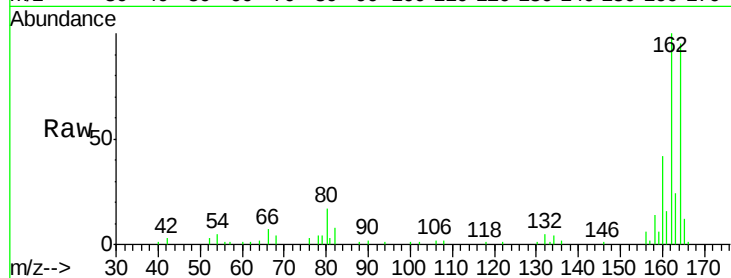
Tgt Ion:164 Resp: 53352

Ion Ratio Lower Upper

164 100

162 104.8 82.2 123.2

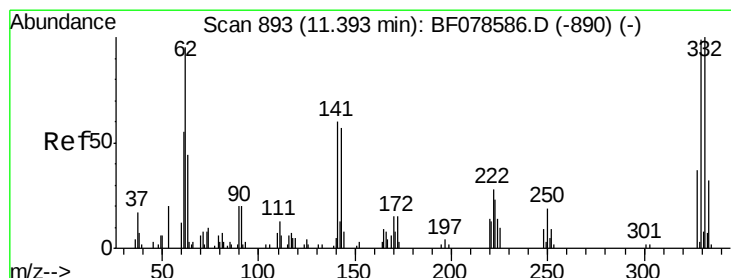
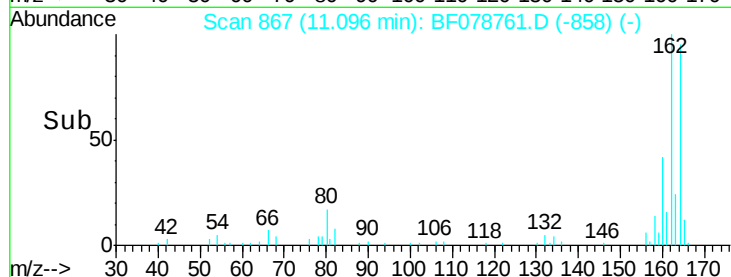
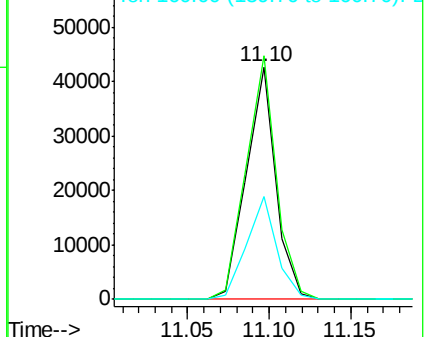
160 44.4 34.7 52.1



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

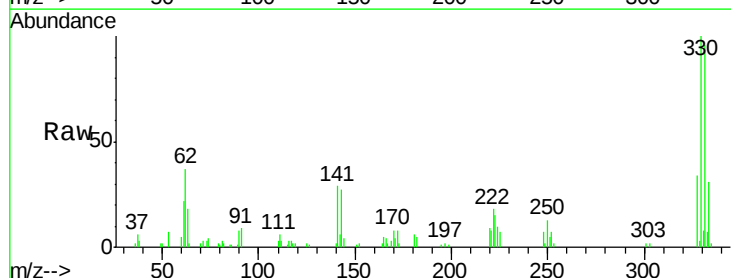
Tgt Ion:330 Resp: 39691

Ion Ratio Lower Upper

330 100

332 95.7 78.6 117.8

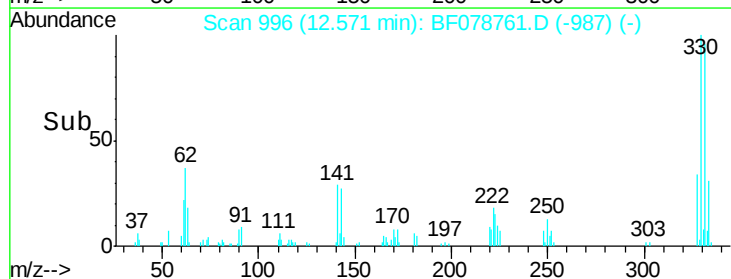
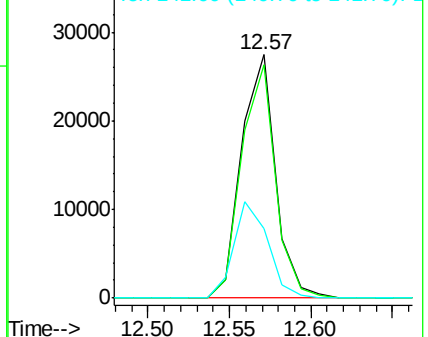
141 39.6 31.2 46.8

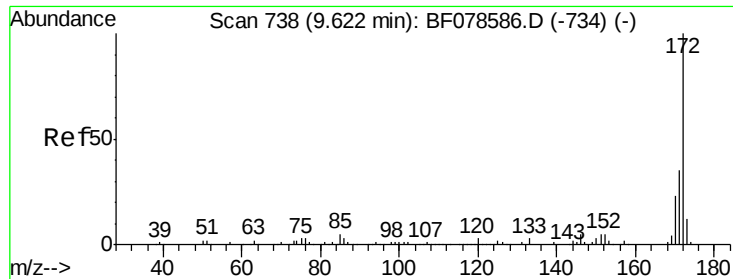


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

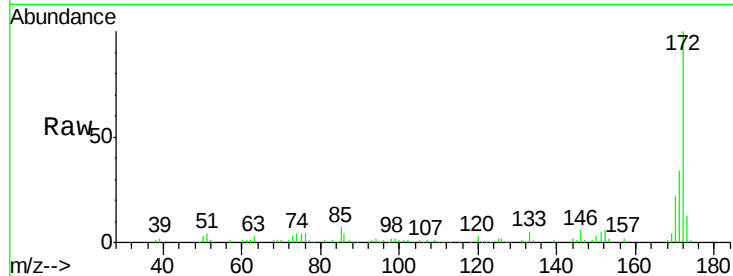




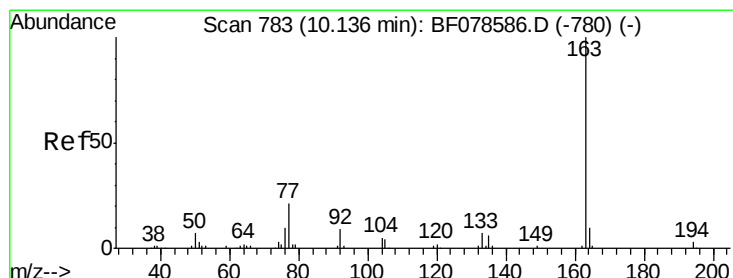
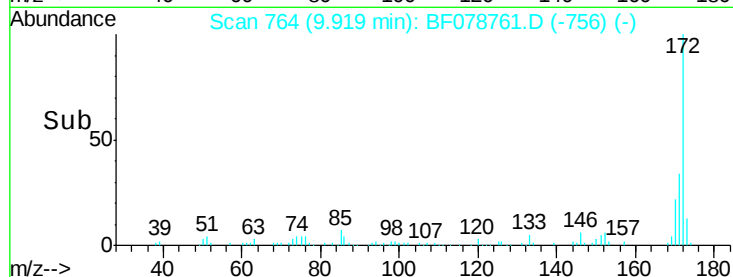
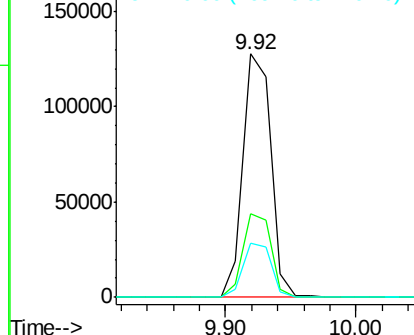
#44
 2-Fluorobiphenyl
 Concen: 51.06 ng
 RT: 9.92 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

Instrument :
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 SB-78S

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

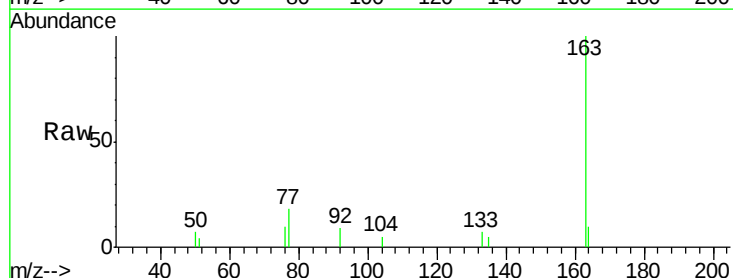


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

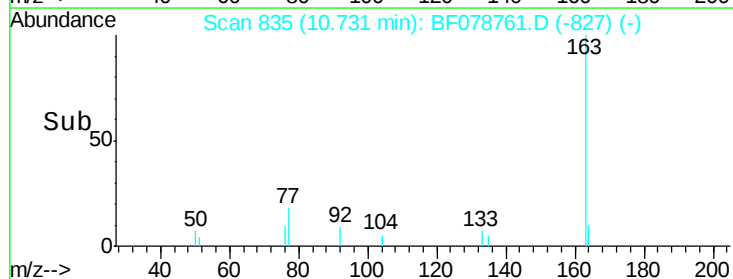
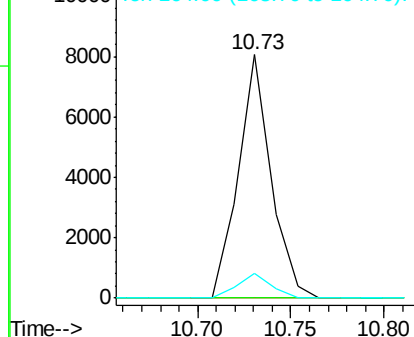


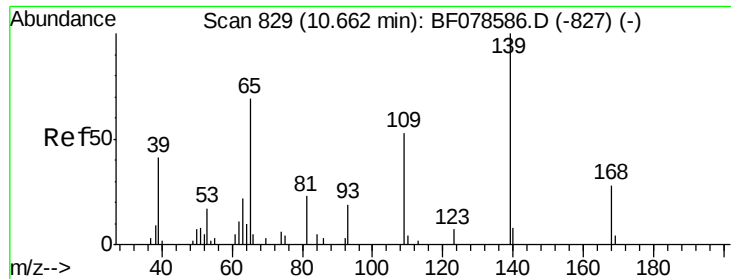
#49
 Dimethylphthalate
 Concen: 2.45 ng
 RT: 10.73 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

Tgt 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

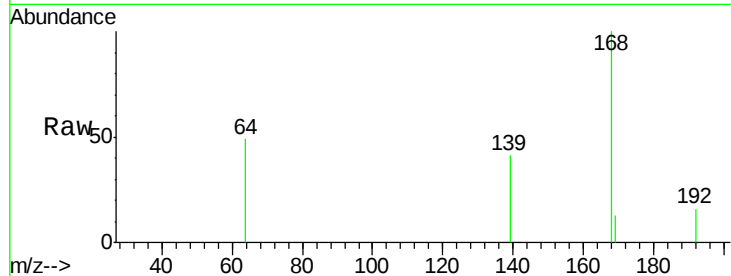




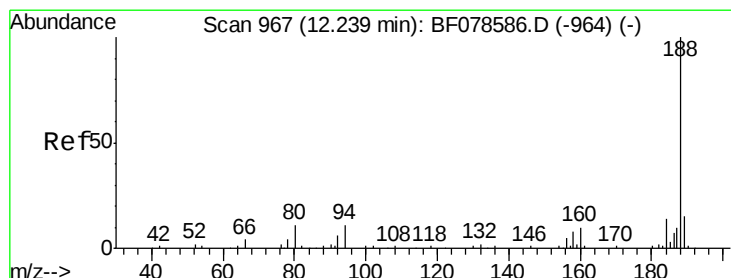
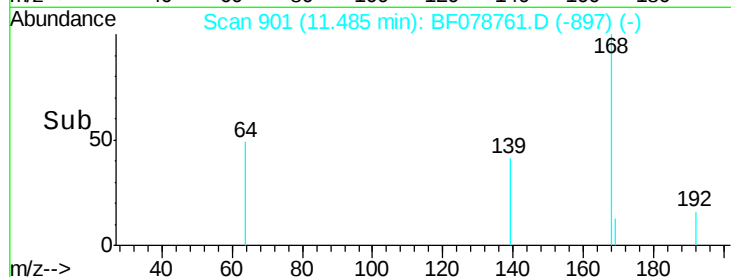
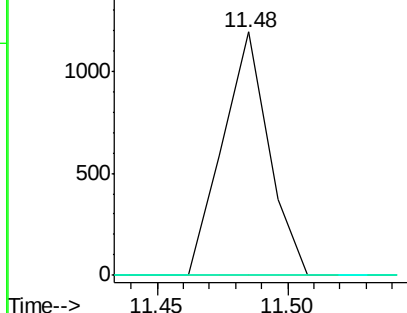
#55
 4-Nitrophenol
 Concen: 4.83 ng
 RT: 11.48 min Scan# 901
 Delta R.T. -0.06 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-78S

Tgt Ion:139 Resp: 1477
 Ion Ratio Lower Upper
 139 100
 109 0.0 36.7 76.7#
 65 0.0 49.9 89.9#

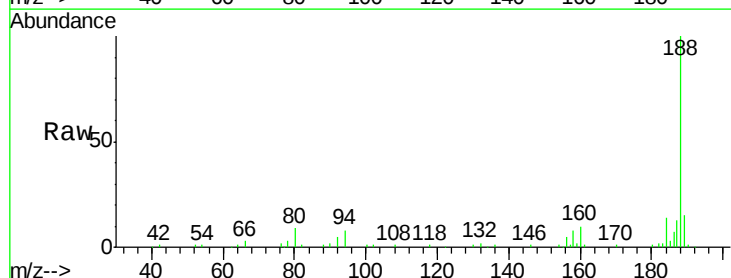


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

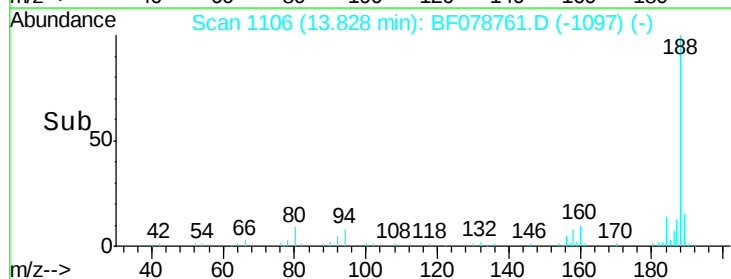
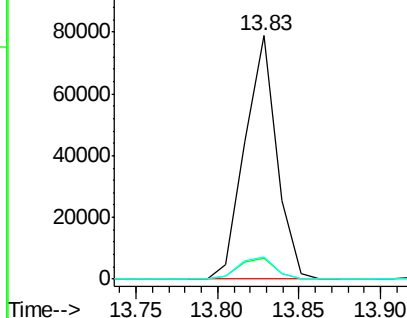


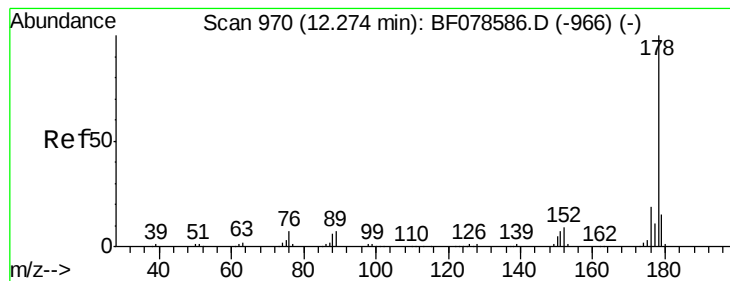
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.83 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

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

Instrument :

BNA_F

ClientSampleId :

SB-78S

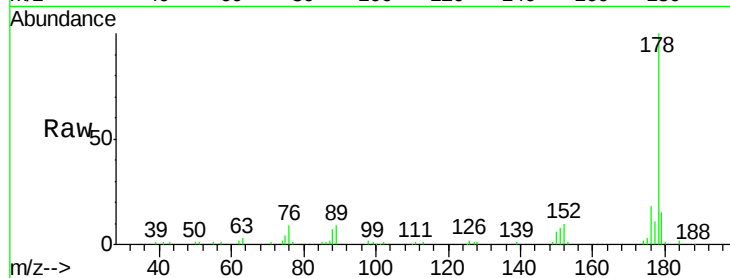
Tgt Ion:178 Resp: 110147

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.0

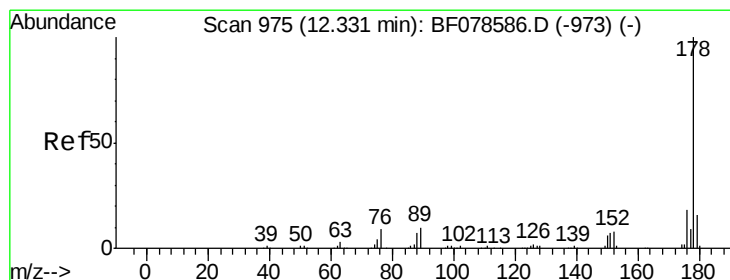
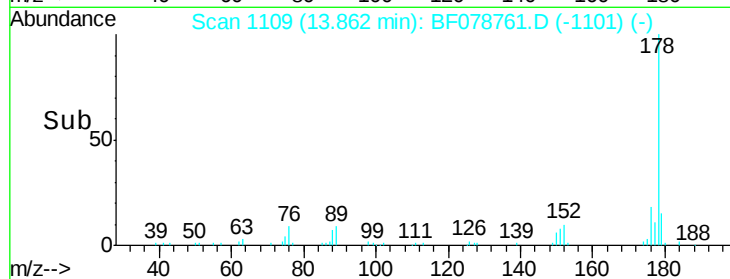
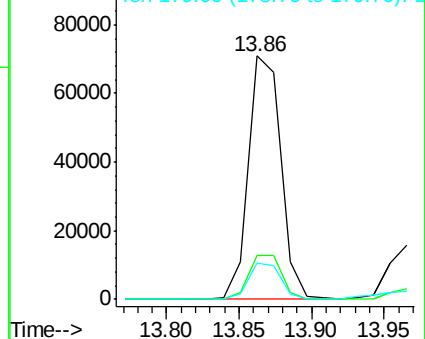
179 15.2 12.2 18.2



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: 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

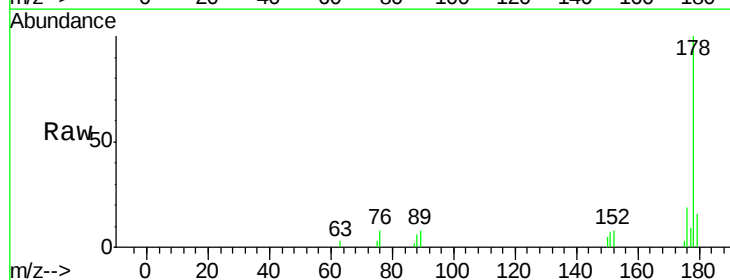
Tgt Ion:178 Resp: 22764

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

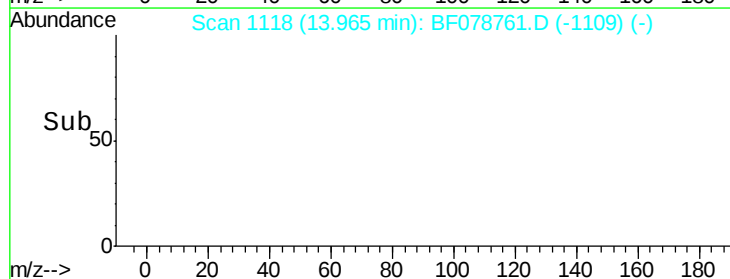
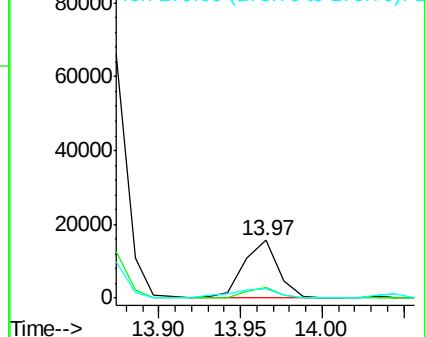
179 16.2 12.4 18.6

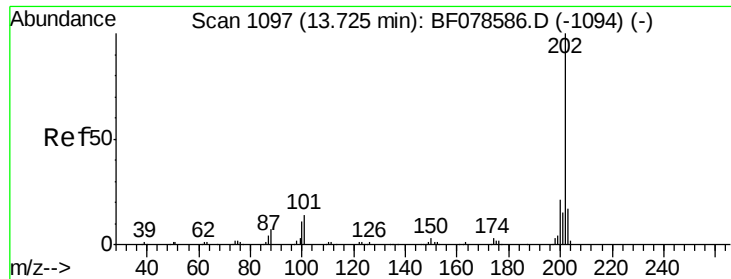


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 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

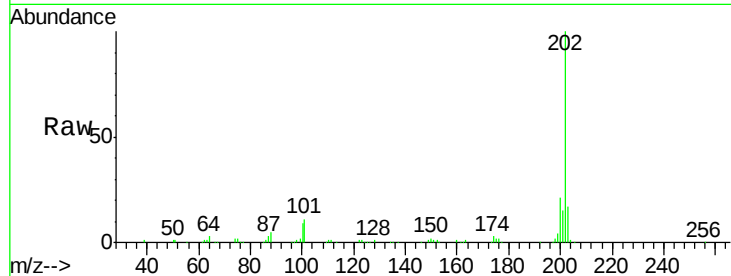
Tgt Ion:202 Resp: 170531

Ion Ratio Lower Upper

202 100

101 11.4 0.0 35.2

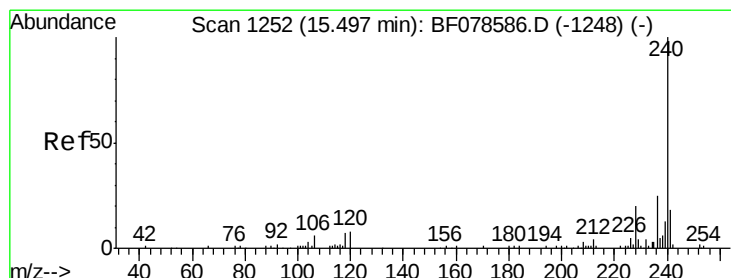
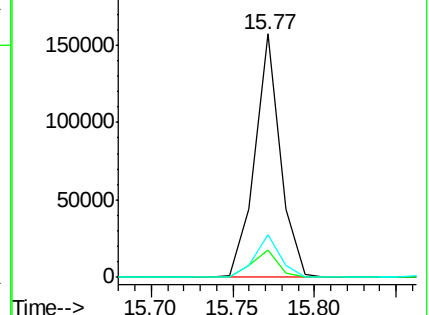
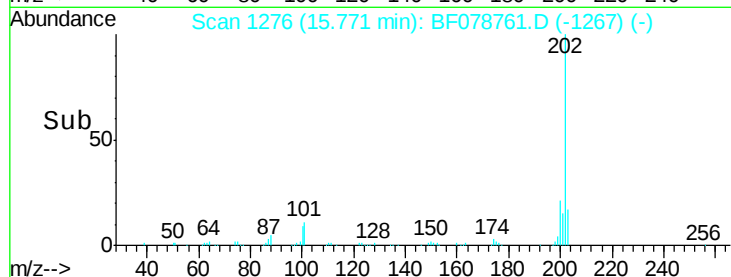
203 17.3 0.0 38.5



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

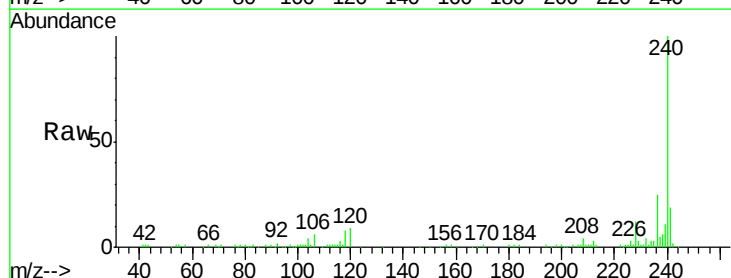
Tgt Ion:240 Resp: 118892

Ion Ratio Lower Upper

240 100

120 9.2 7.1 10.7

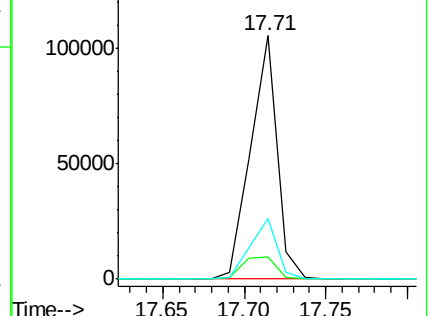
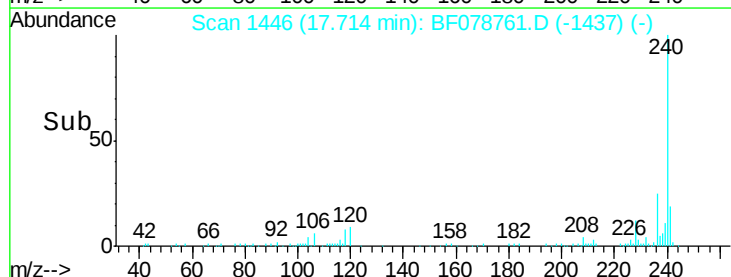
236 24.8 21.4 32.2

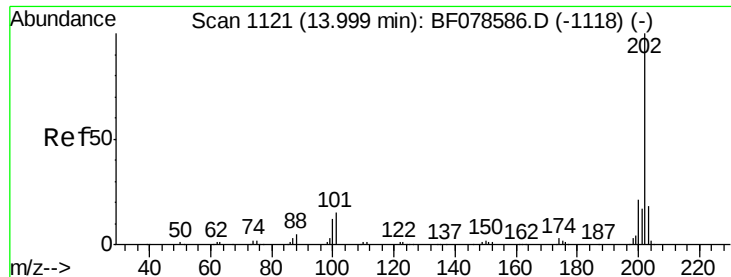


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

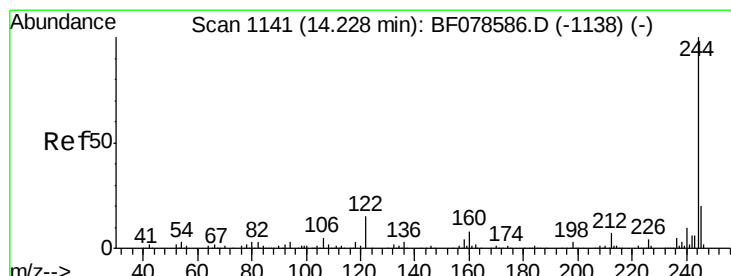
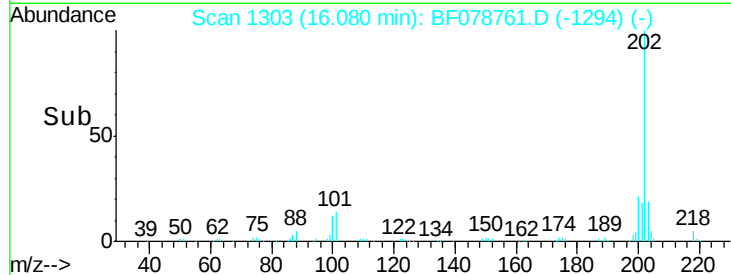
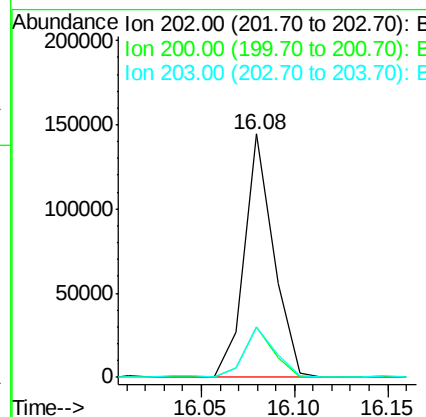
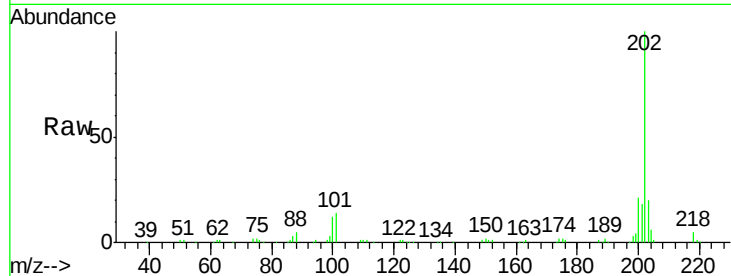




#77
 Pyrene
 Concen: 21.28 ng
 RT: 16.08 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

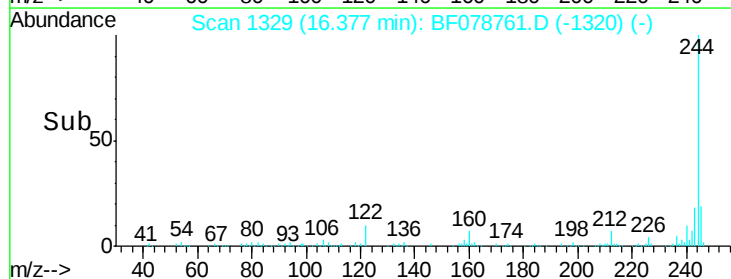
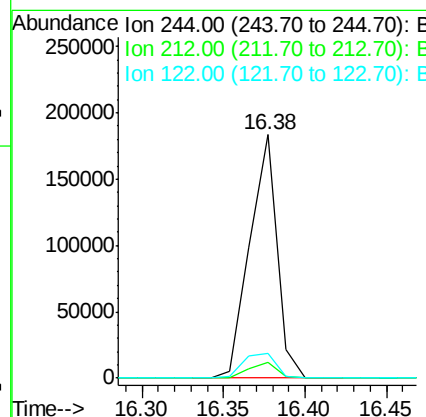
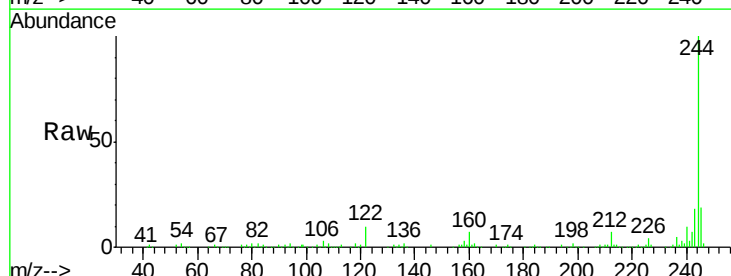
Instrument :
 BNA_F
 ClientSampleId :
 SB-78S

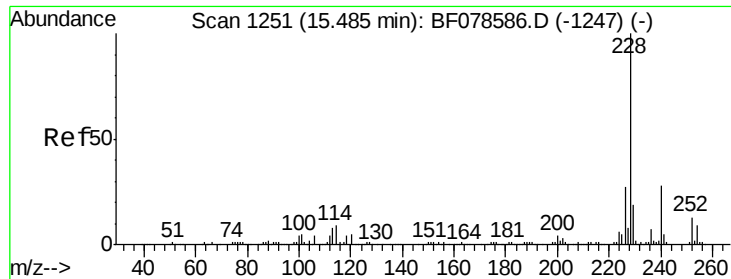
Tgt Ion:	202	Resp:	158811
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.3	24.5
203	20.5	13.8	20.6



#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





#80

Benzo(a)anthracene

Concen: 10.97 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

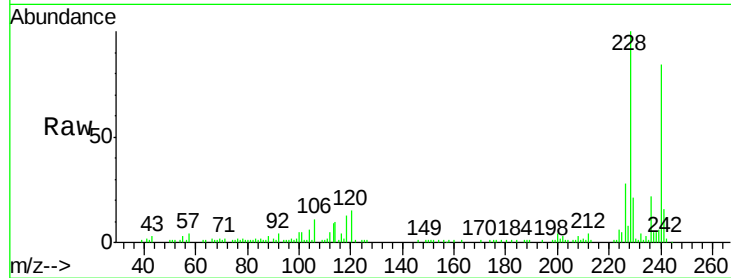
Tgt Ion:228 Resp: 77617

Ion Ratio Lower Upper

228 100

226 28.3 21.3 31.9

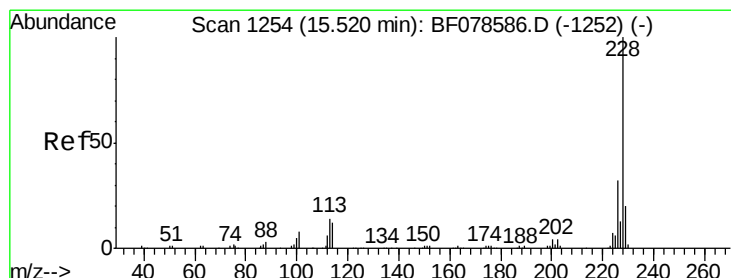
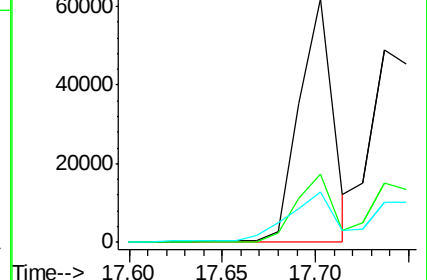
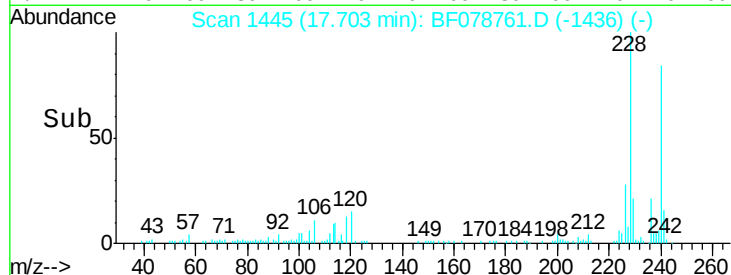
229 20.7 15.4 23.2



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

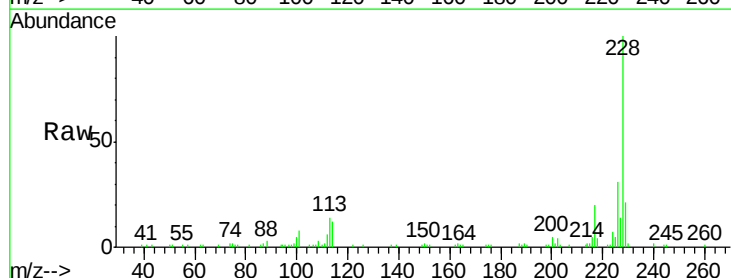
Tgt Ion:228 Resp: 69052

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

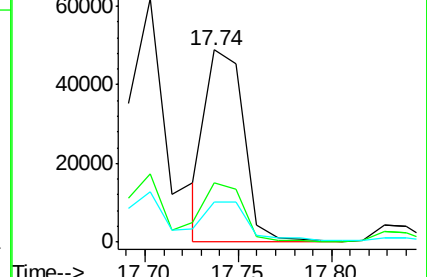
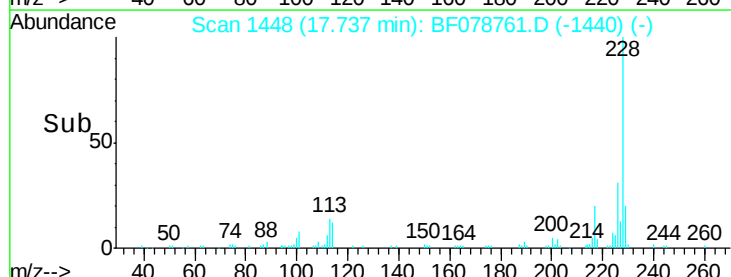
229 20.7 15.8 23.8

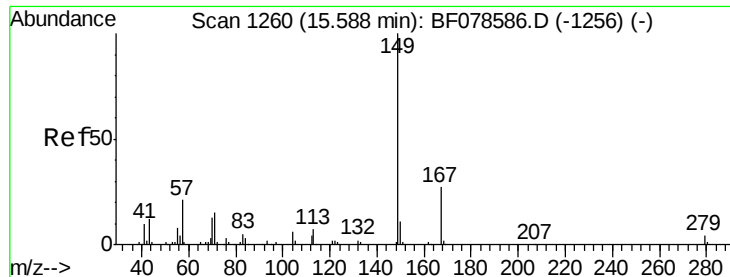


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

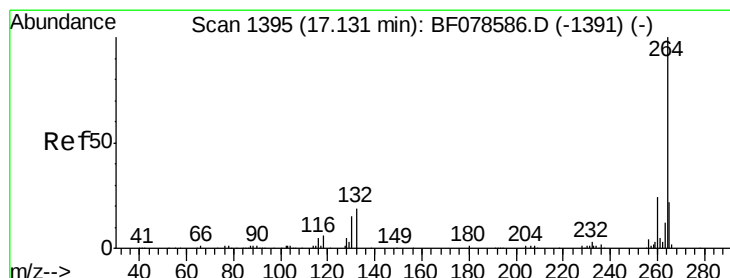
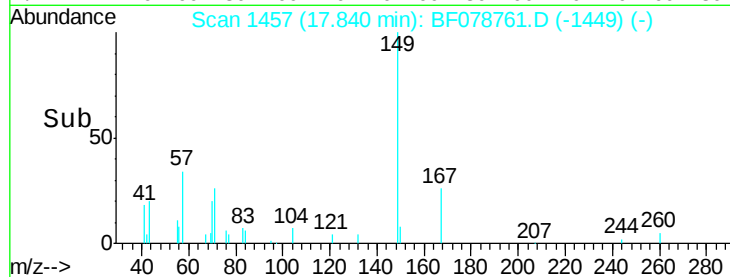
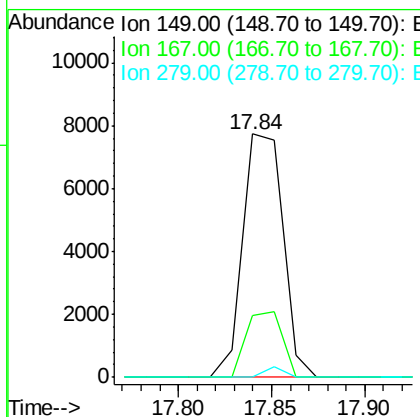
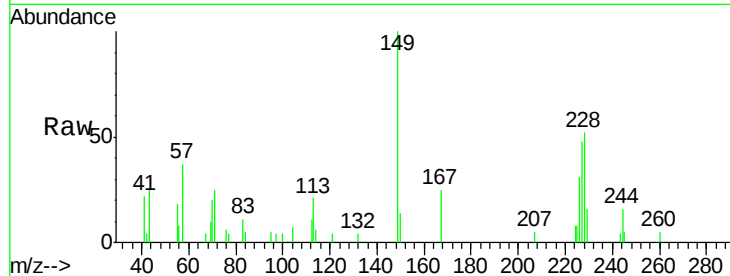




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.59 ng
 RT: 17.84 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF078761.D
 Acq: 23 Apr 2015 21:40

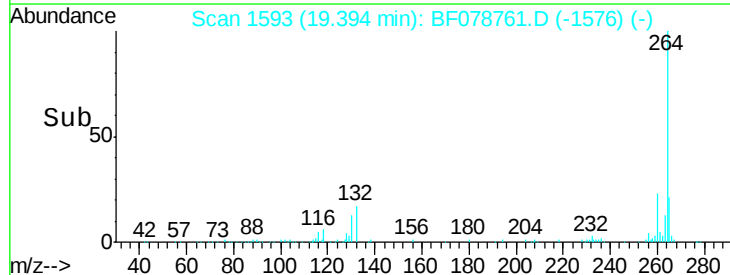
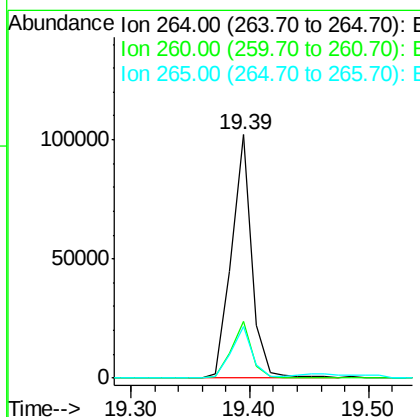
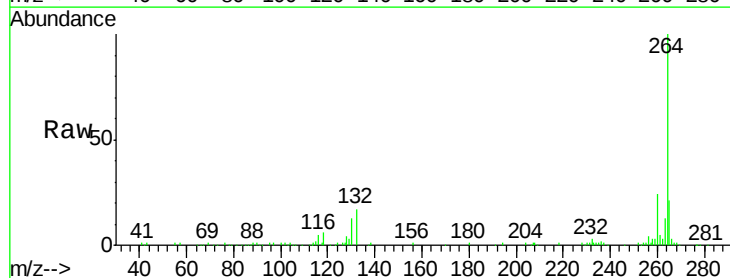
Instrument :
 BNA_F
 ClientSampleId :
 SB-78S

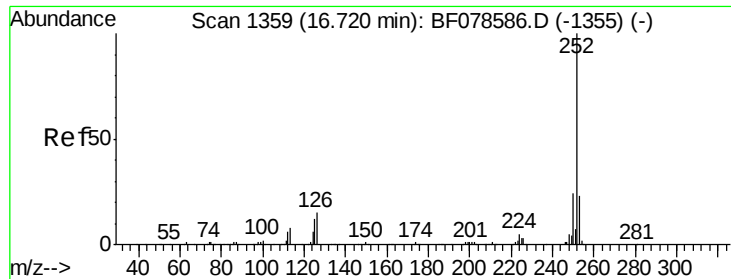
Tgt Ion:149 Resp: 11558
 Ion Ratio Lower Upper
 149 100
 167 25.2 22.2 33.2
 279 0.0 3.2 4.8#



#86
 Perylene-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

Tgt Ion:264 Resp: 121140
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 27.8
 265 21.1 17.0 25.6





#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

Instrument :

BNA_F

ClientSampleId :

SB-78S

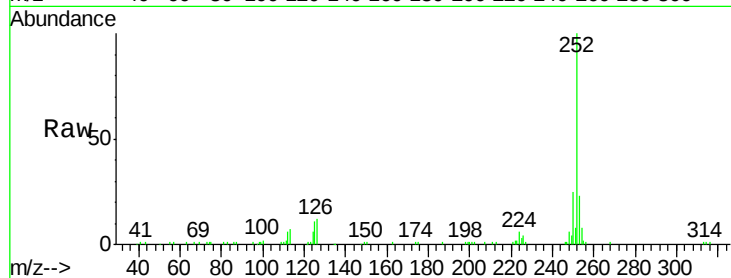
Tgt Ion:252 Resp: 95821

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

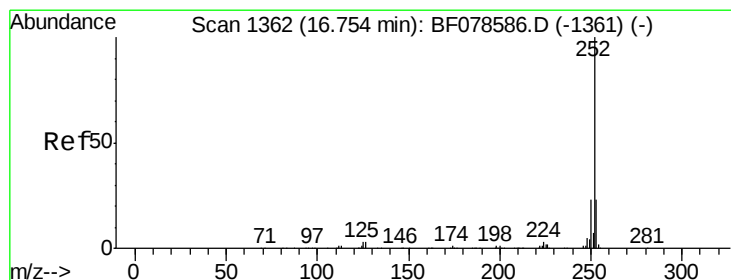
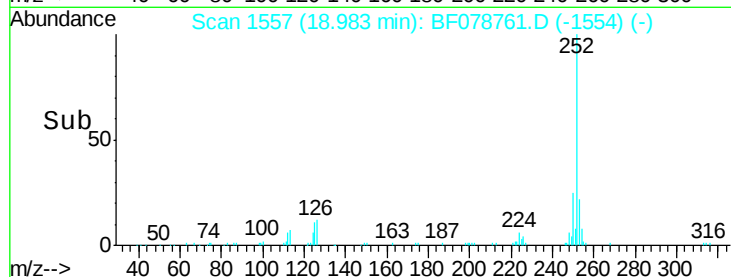
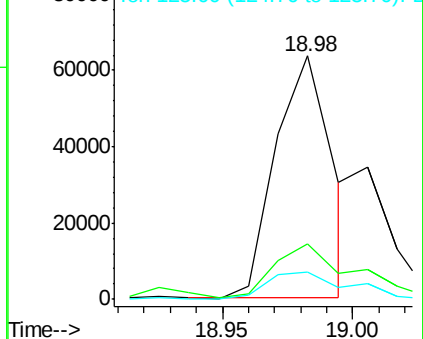
125 11.3 7.0 10.4#



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: 19.42 ng

RT: 18.98 min Scan# 1557

Delta R.T. -0.10 min

Lab File: BF078761.D

Acq: 23 Apr 2015 21:40

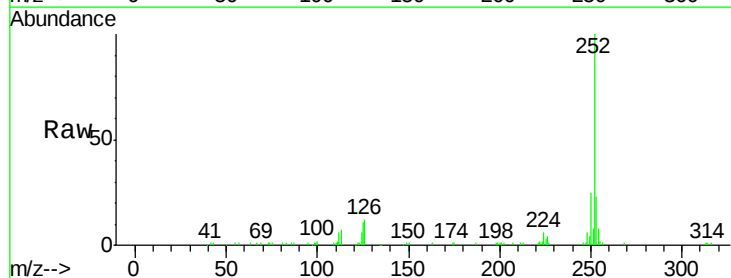
Tgt Ion:252 Resp: 129237

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

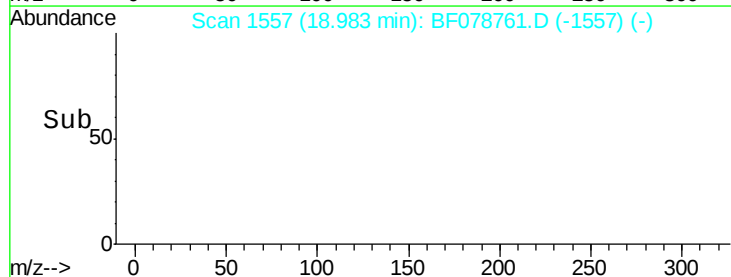
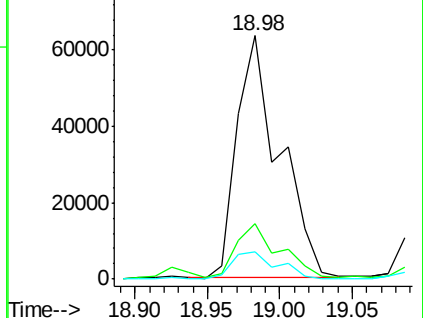
125 11.3 11.6 17.4#

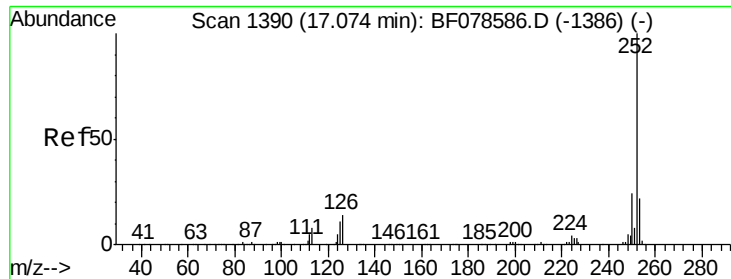


Abundance Ion 252.00 (251.70 to 252.70): E

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

RT: 19.34 min Scan# 1588

Delta R.T. -0.09 min

Lab File: BF078761.D

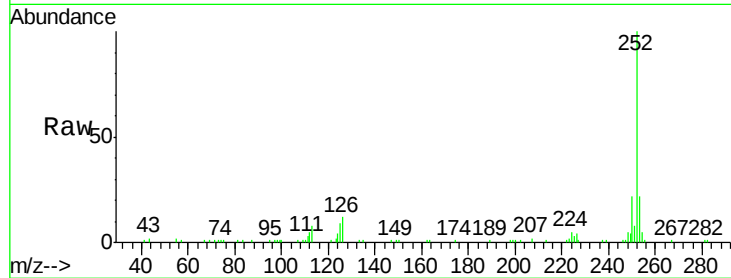
Acq: 23 Apr 2015 21:40

Instrument :

BNA_F

ClientSampleId :

SB-78S



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

