

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
 Data File : BF078750.D
 Acq On : 23 Apr 2015 15:57
 Operator : TP/IZ
 Sample : G1938-17 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-79S

Quant Time: Apr 24 08:36:53 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 04:11:59 2015
 Response via : Initial Calibration

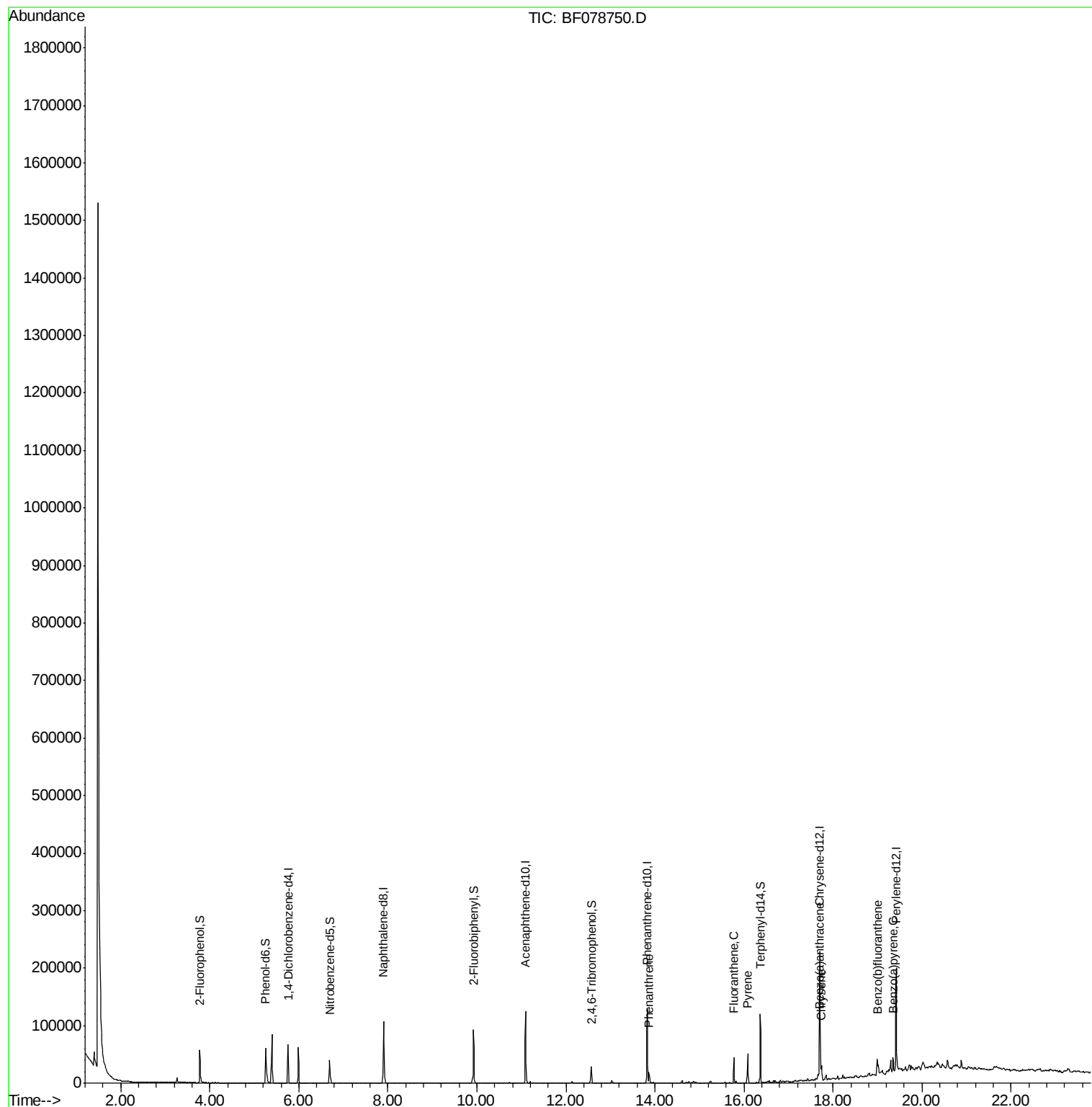
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	19012	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	77663	20.00	ng	-0.01
38) Acenaphthene-d10	11.10	164	38460	20.00	ng	0.00
63) Phenanthrene-d10	13.83	188	80148	20.00	ng	0.00
75) Chrysene-d12	17.70	240	92018	20.00	ng	-0.01
86) Perylene-d12	19.42	264	96175	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.77	112	27331	23.70	ng	0.00
7) Phenol-d6	5.26	99	39731	27.49	ng	-0.01
23) Nitrobenzene-d5	6.70	82	22218	17.34	ng	0.00
41) 2,4,6-Tribromophenol	12.57	330	6809	21.35	ng	0.00
44) 2-Fluorobiphenyl	9.92	172	48262	17.94	ng	-0.01
78) Terphenyl-d14	16.37	244	60403	14.83	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	13.86	178	9994	2.16	ng	98
74) Fluoranthene	15.77	202	25218	5.16	ng	92
77) Pyrene	16.08	202	24388	4.22	ng	95
80) Benzo(a)anthracene	17.69	228	14800	2.70	ng	92
82) Chrysene	17.74	228	13332m	2.59	ng	
87) Benzo(b)fluoranthene	18.99	252	18091m	3.04	ng	
89) Benzo(a)pyrene	19.35	252	14460	2.79	ng	# 88

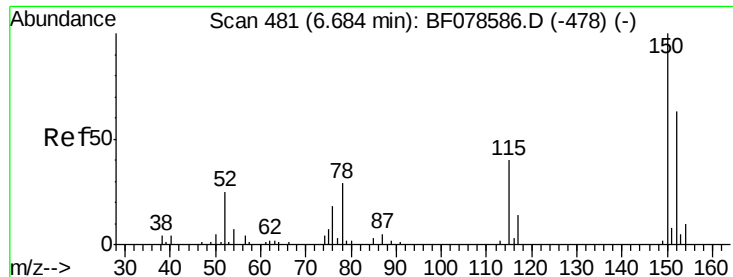
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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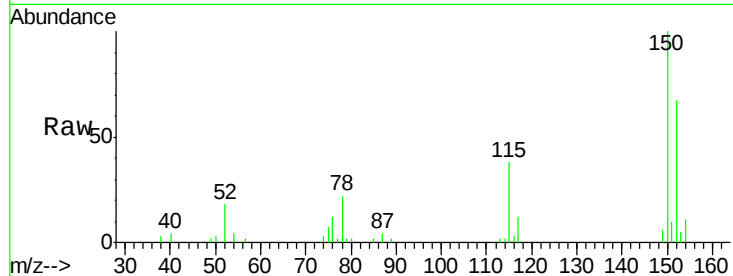




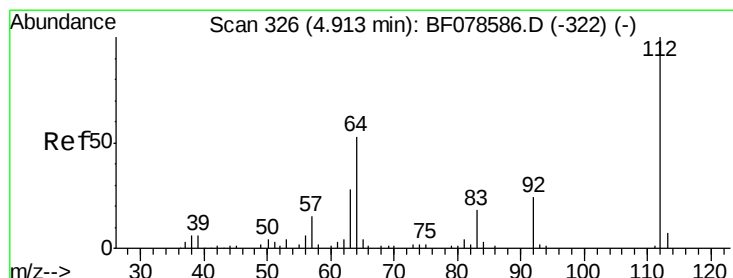
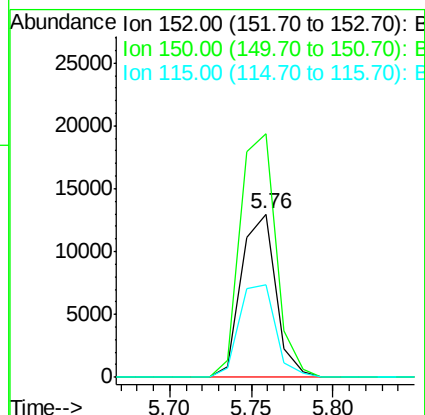
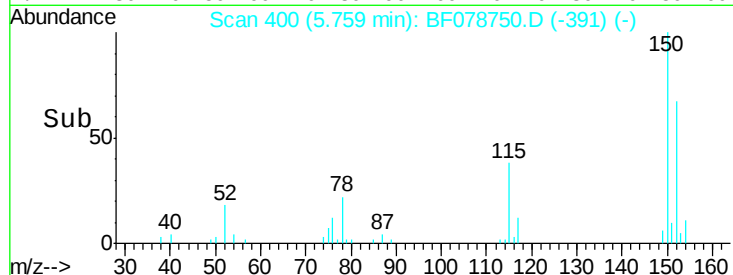
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.76 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: BF078750.D
 Acq: 23 Apr 2015 15:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-79S

Tot Ion:152 Resp: 19012
 Ion Ratio Lower Upper
 152 100
 150 148.9 125.9 188.9
 115 56.3 52.7 79.1

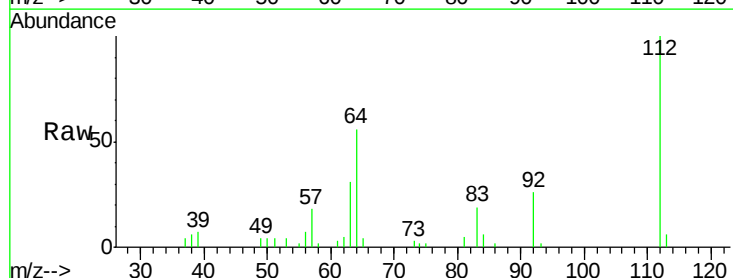


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

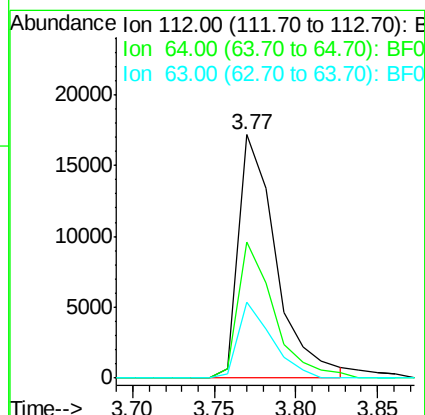
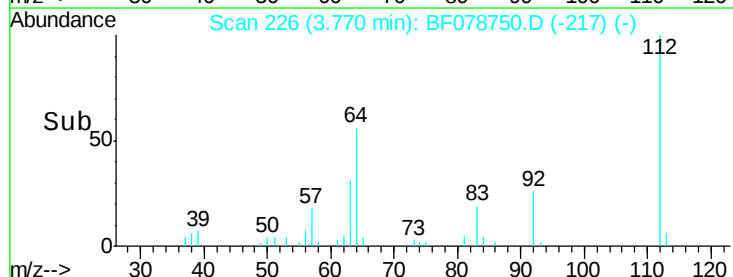


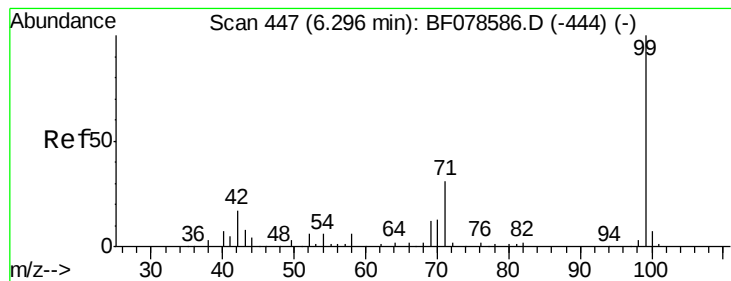
#5
 2-Fluorophenol
 Concen: 23.70 ng
 RT: 3.77 min Scan# 226
 Delta R.T. -0.00 min
 Lab File: BF078750.D
 Acq: 23 Apr 2015 15:57

Tgt Ion:112 Resp: 27331
 Ion Ratio Lower Upper
 112 100
 64 56.1 39.9 59.9
 63 31.0 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: 27.49 ng

RT: 5.26 min Scan# 356

Delta R.T. -0.01 min

Lab File: BF078750.D

Acq: 23 Apr 2015 15:57

Instrument :

BNA_F

ClientSampleId :

SB-79S

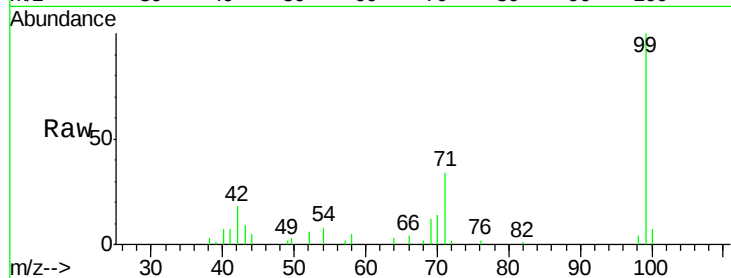
Tot Ion: 99 Resp: 39731

Ion Ratio Lower Upper

99 100

42 18.2 14.8 22.2

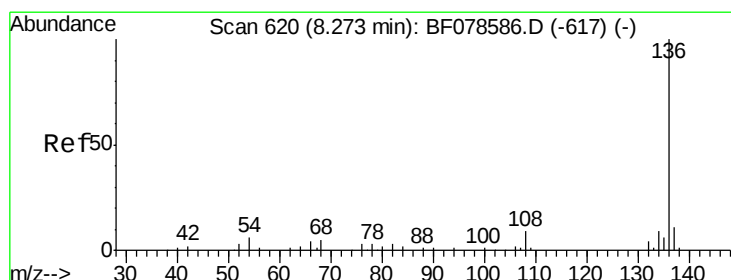
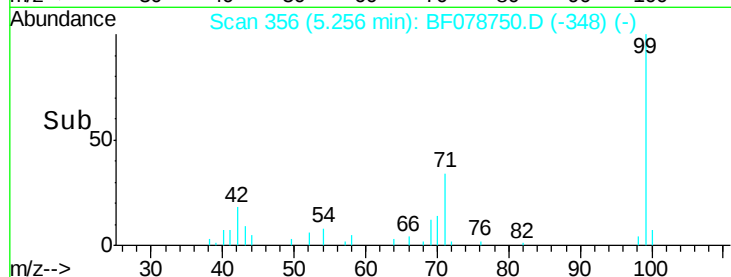
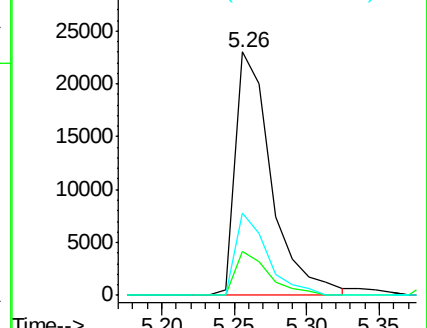
71 33.7 26.6 39.8



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. -0.01 min

Lab File: BF078750.D

Acq: 23 Apr 2015 15:57

Tgt Ion: 136 Resp: 77663

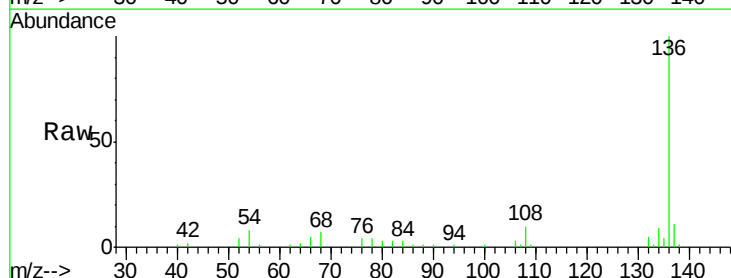
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 8.3 7.0 10.6

68 6.7 5.4 8.2

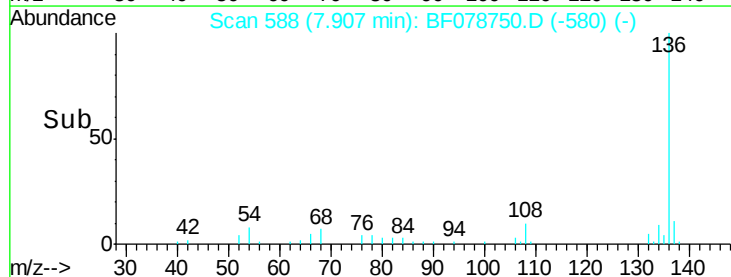
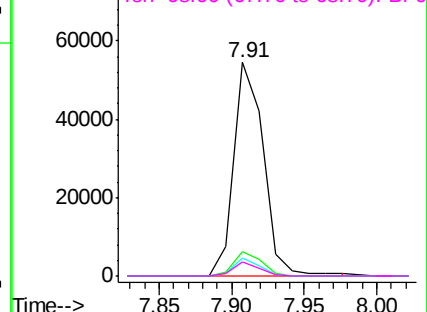


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.34 ng

RT: 6.70 min Scan# 482

Delta R.T. -0.00 min

Lab File: BF078750.D

Acq: 23 Apr 2015 15:57

Instrument :

BNA_F

ClientSampled :

SB-79S

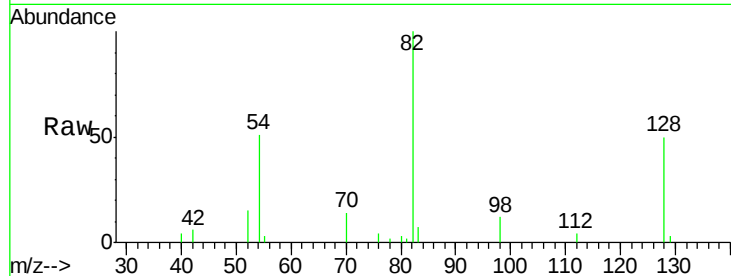
Tot Ion: 82 Resp: 22218

Ion Ratio Lower Upper

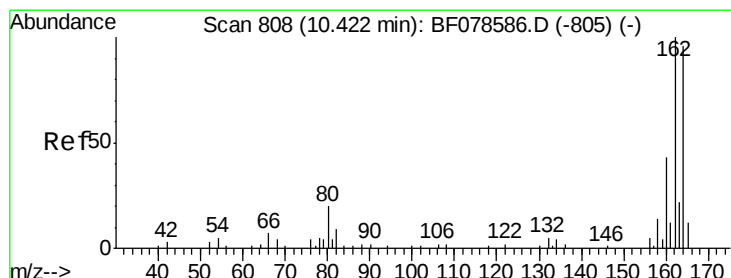
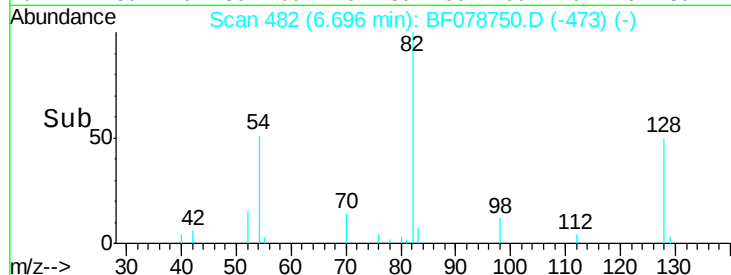
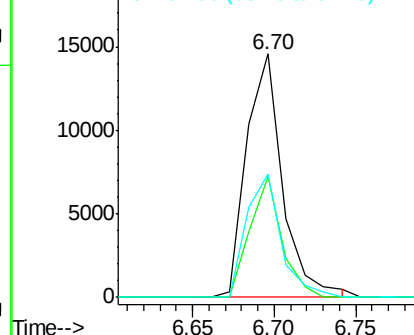
82 100

128 49.6 31.8 47.8#

54 50.8 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
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: BF078750.D

Acq: 23 Apr 2015 15:57

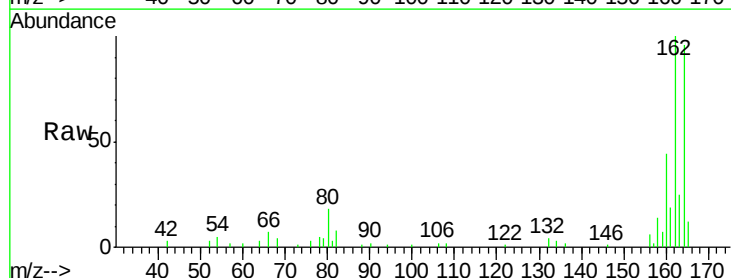
Tgt Ion:164 Resp: 38460

Ion Ratio Lower Upper

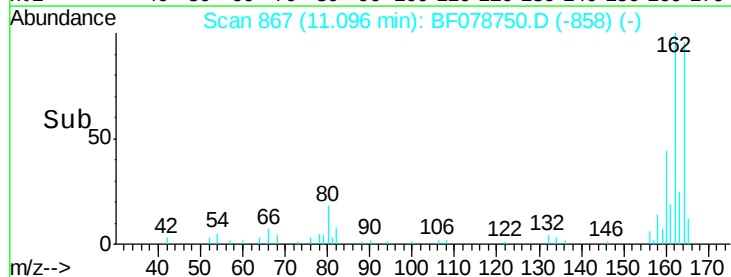
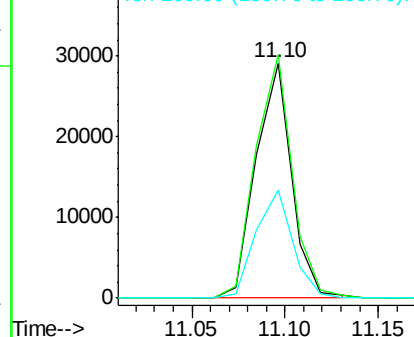
164 100

162 103.7 82.2 123.2

160 45.8 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B

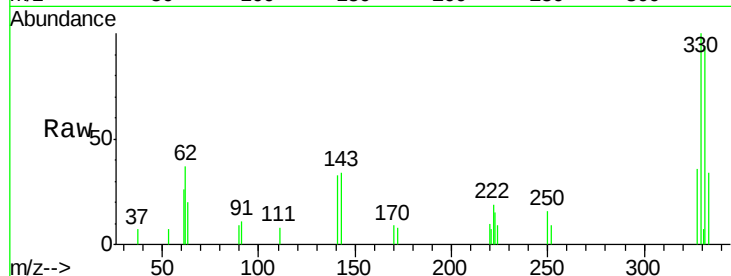




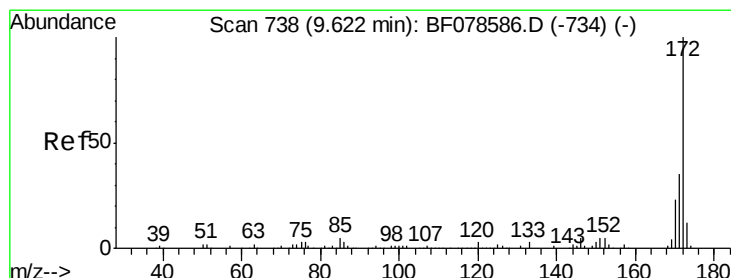
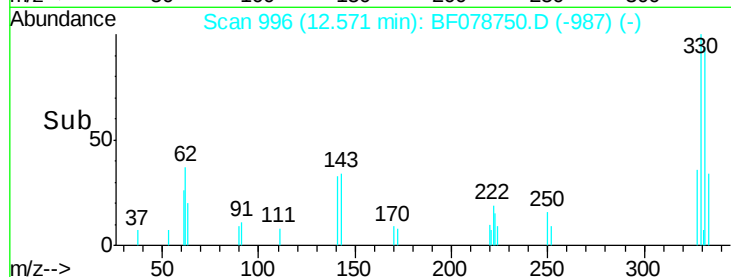
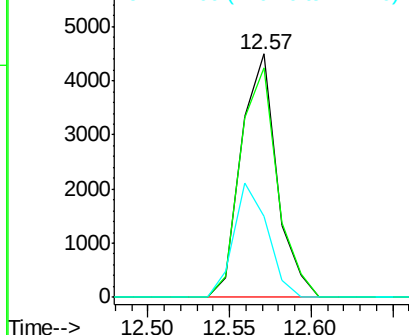
#41
 2,4,6-Tribromophenol
 Concen: 21.35 ng
 RT: 12.57 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: BF078750.D
 Acq: 23 Apr 2015 15:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-79S

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.4	78.6	117.8
141	44.4	31.2	46.8

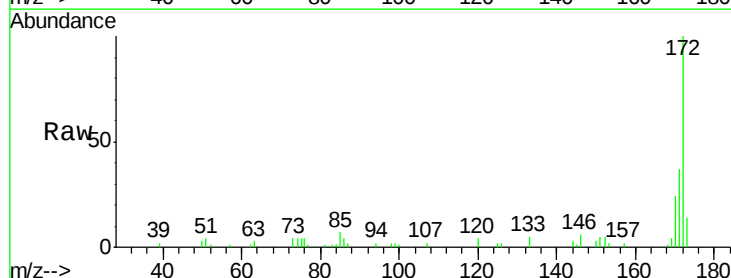


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

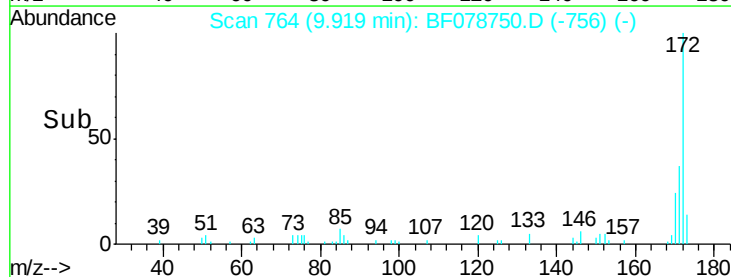
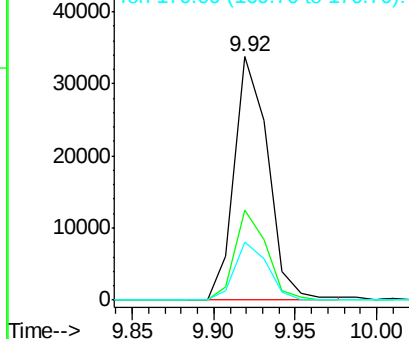


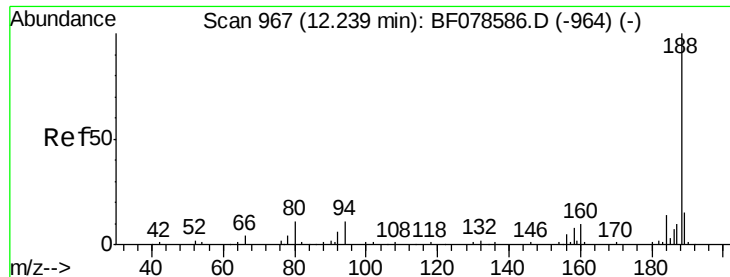
#44
 2-Fluorobiphenyl
 Concen: 17.94 ng
 RT: 9.92 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BF078750.D
 Acq: 23 Apr 2015 15:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.6	42.8
170	23.8	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

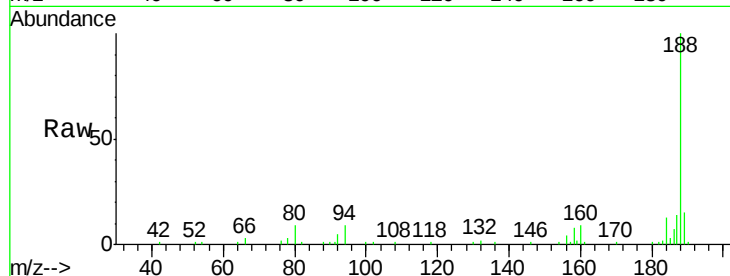




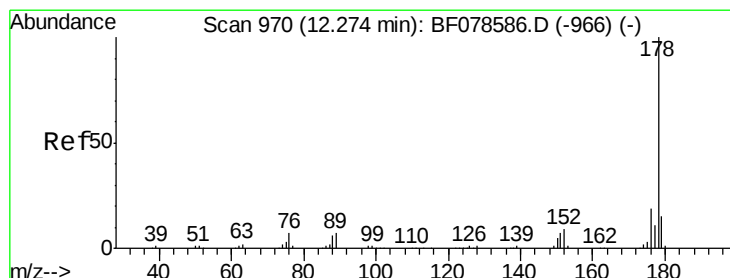
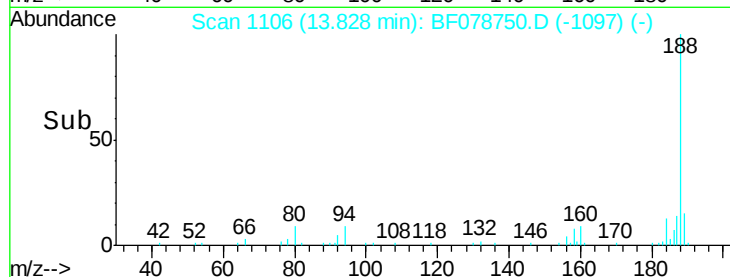
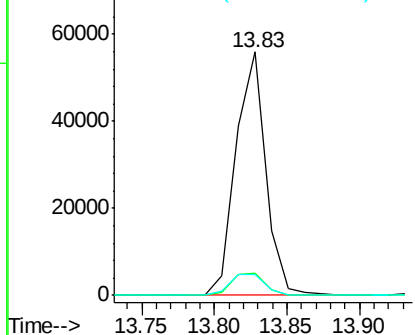
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.83 min Scan# 1106
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Instrument :
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ClientSampleId :
SB-79S

Tot Ion:188 Resp: 80148
Ion Ratio Lower Upper
188 100
94 8.9 9.0 13.4#
80 8.8 9.5 14.3#

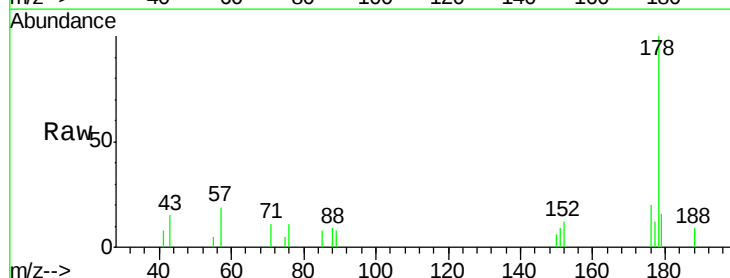


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

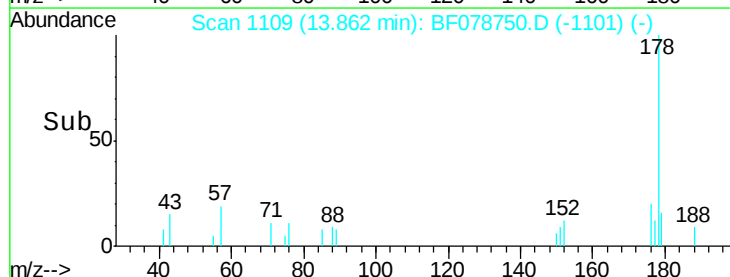
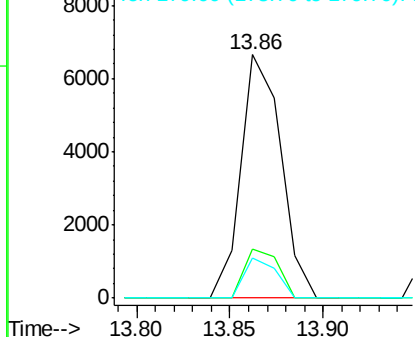


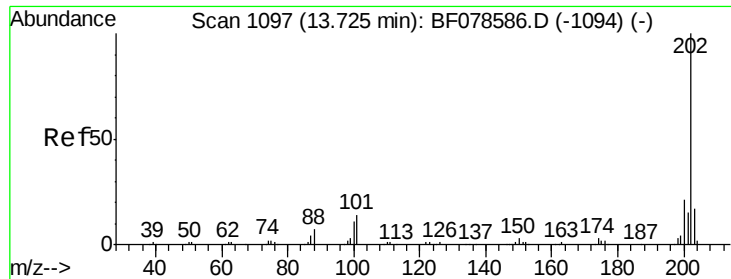
#70
Phenanthrene
Concen: 2.16 ng
RT: 13.86 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:178 Resp: 9994
Ion Ratio Lower Upper
178 100
176 20.0 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





#74

Fluoranthene

Concen: 5.16 ng

RT: 15.77 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF078750.D

Acq: 23 Apr 2015 15:57

Instrument :

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ClientSampleId :

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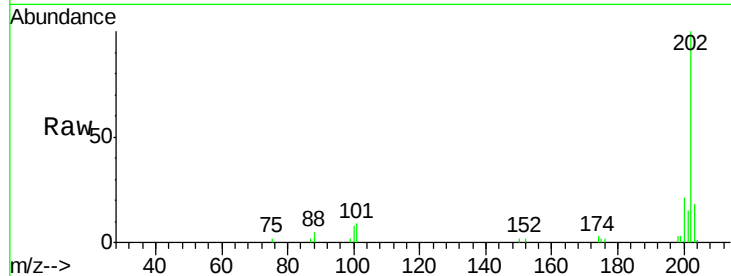
Tot Ion:202 Resp: 25218

Ion Ratio Lower Upper

202 100

101 8.8 0.0 35.2

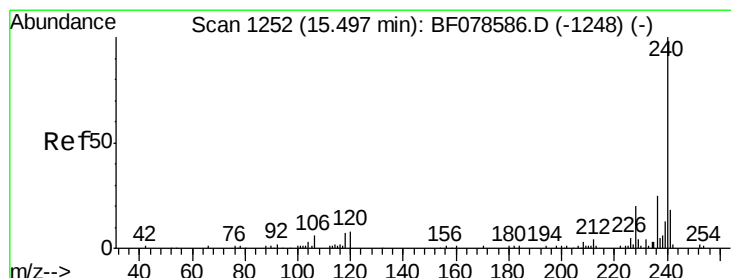
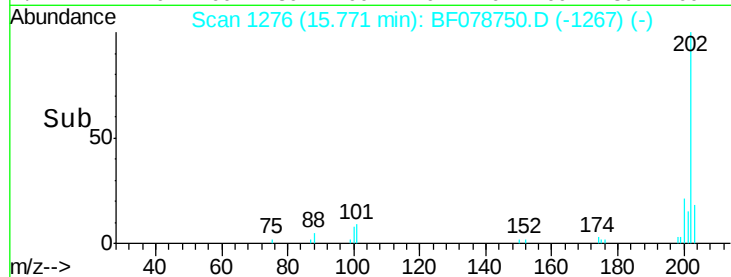
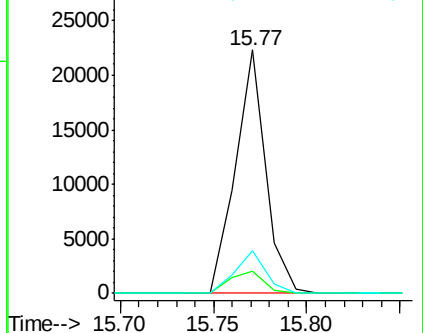
203 17.6 0.0 38.5



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: 17.70 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF078750.D

Acq: 23 Apr 2015 15:57

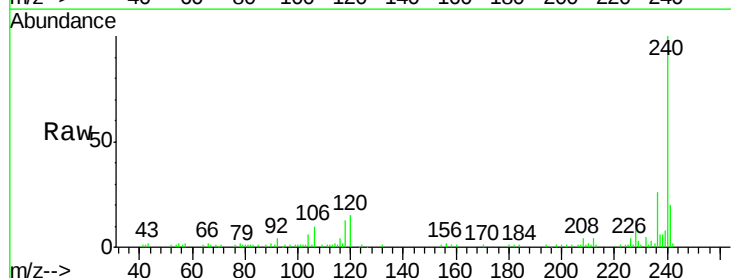
Tgt Ion:240 Resp: 92018

Ion Ratio Lower Upper

240 100

120 15.3 7.1 10.7#

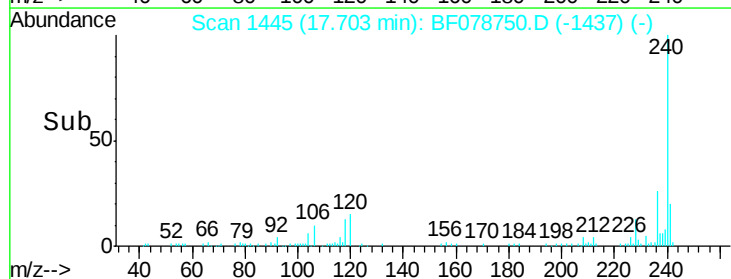
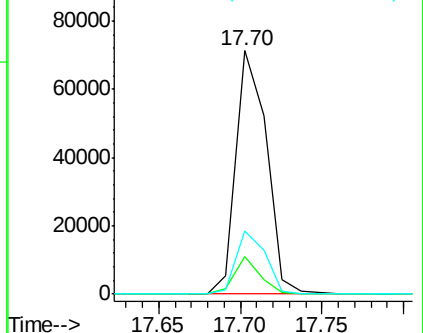
236 25.7 21.4 32.2

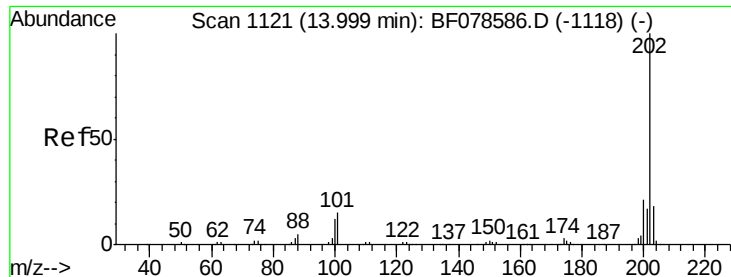


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.22 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF078750.D

Acq: 23 Apr 2015 15:57

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SB-79S

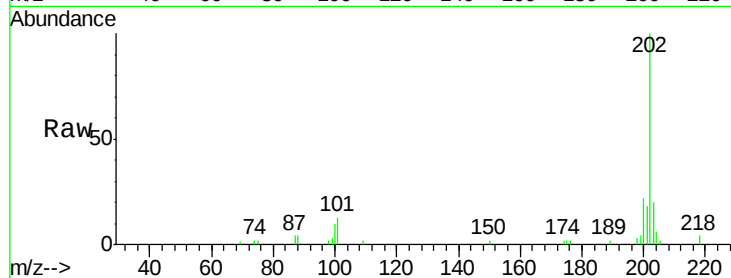
Tot Ion:202 Resp: 24388

Ion Ratio Lower Upper

202 100

200 21.7 16.3 24.5

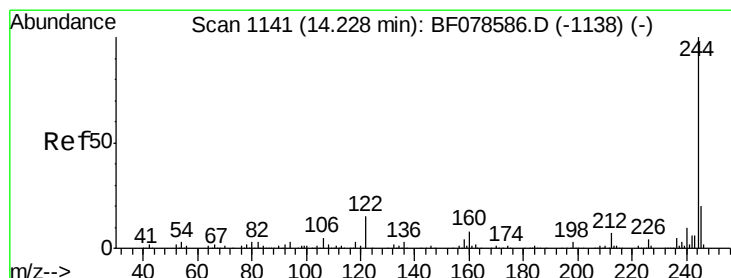
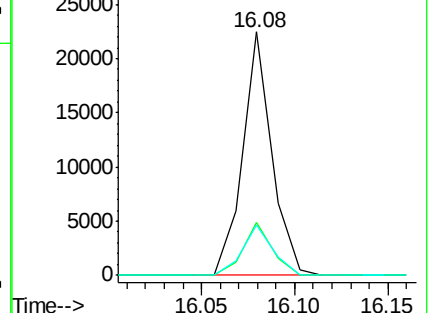
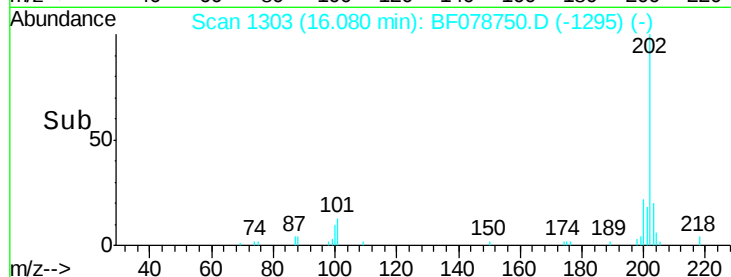
203 20.4 13.8 20.6



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: 14.83 ng

RT: 16.37 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF078750.D

Acq: 23 Apr 2015 15:57

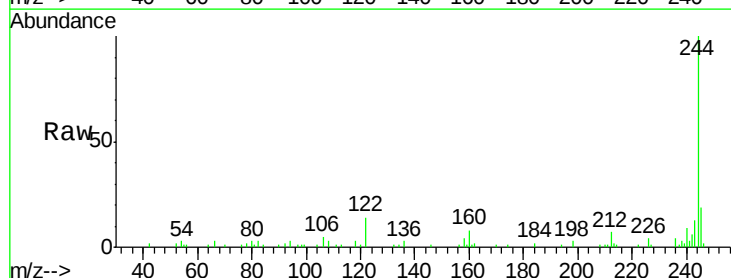
Tgt Ion:244 Resp: 60403

Ion Ratio Lower Upper

244 100

212 7.1 5.0 7.4

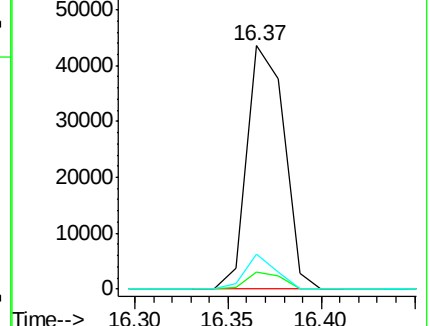
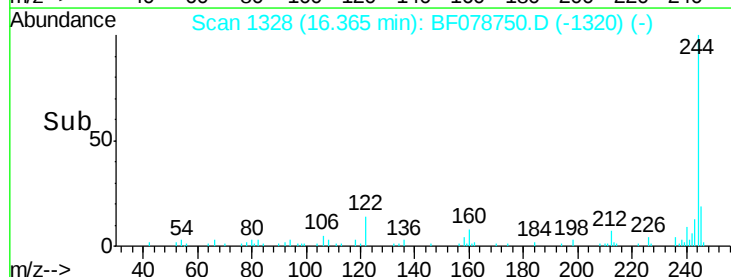
122 14.1 7.1 10.7#

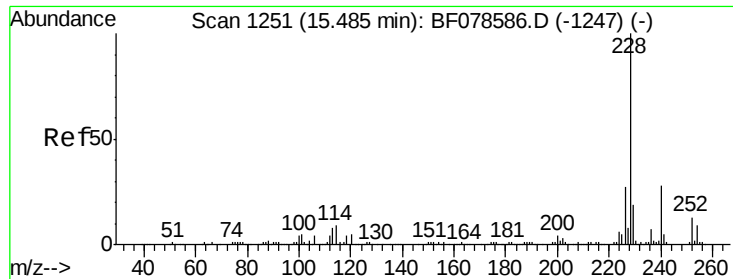


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

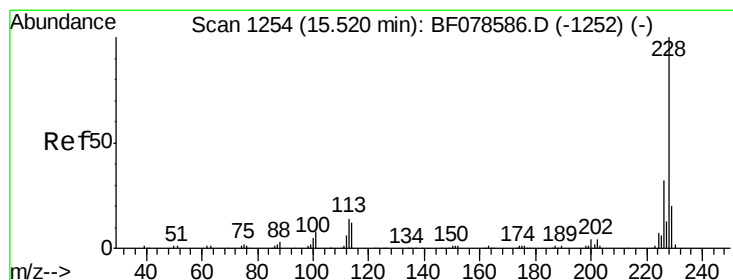
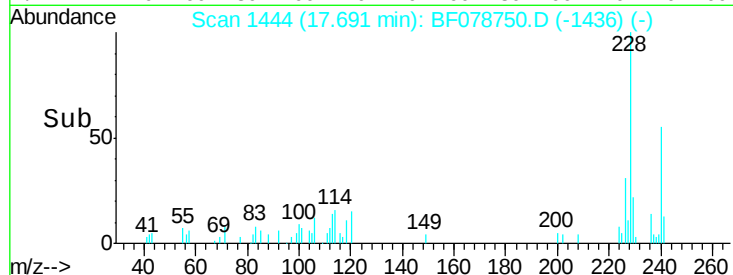
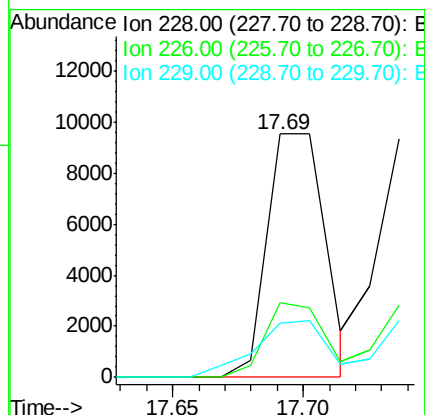
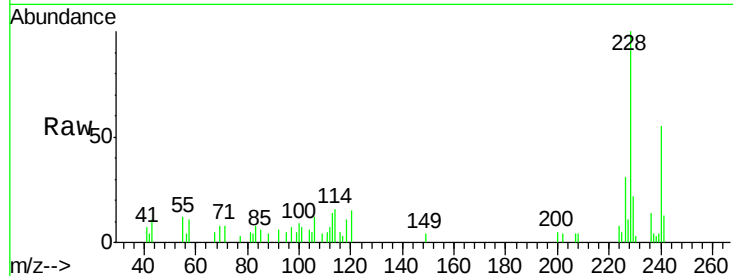




#80
Benzo(a)anthracene
Concen: 2.70 ng
RT: 17.69 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

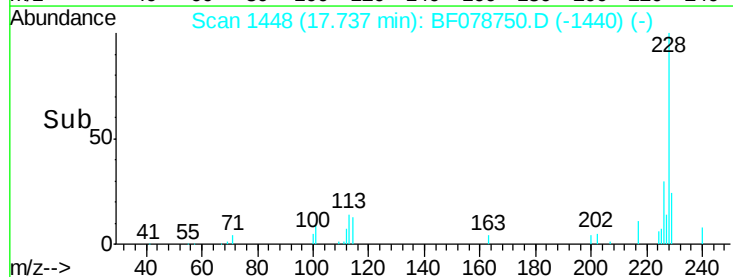
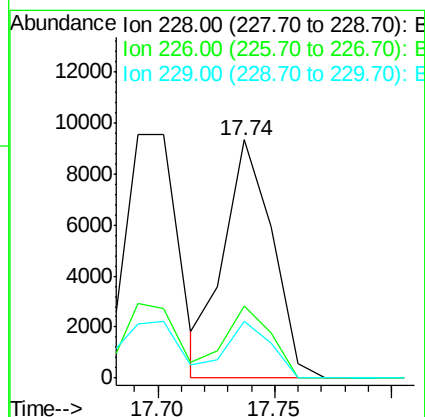
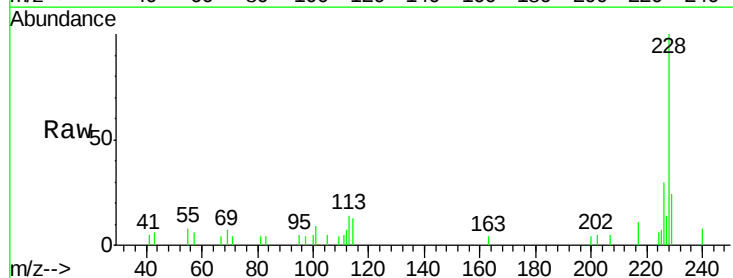
Instrument :
BNA_F
ClientSampleId :
SB-79S

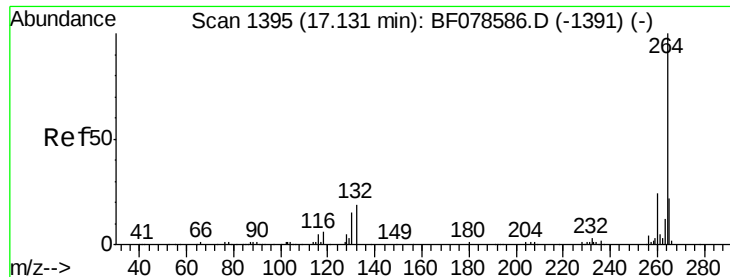
Tot Ion:228 Resp: 14800
Ion Ratio Lower Upper
228 100
226 30.8 21.3 31.9
229 22.3 15.4 23.2



#82
Chrysene
Concen: 2.59 ng m
RT: 17.74 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:228 Resp: 13332
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 24.0 15.8 23.8#

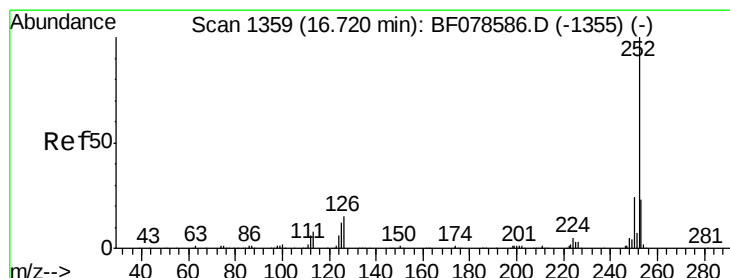
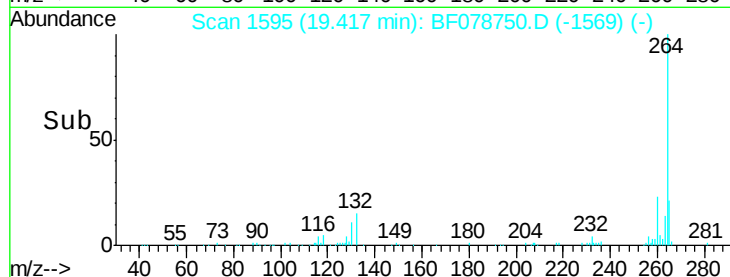
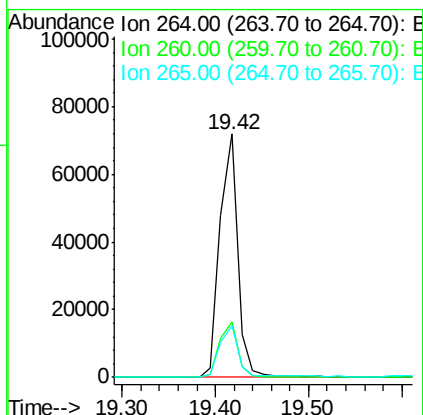
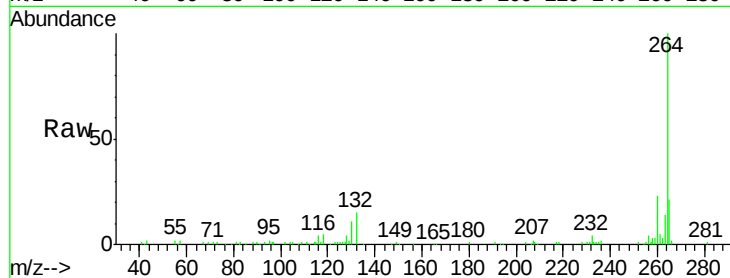




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.42 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

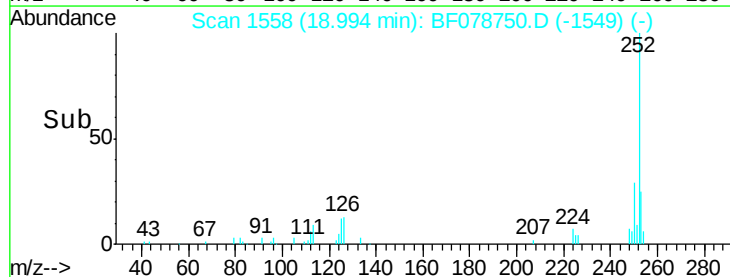
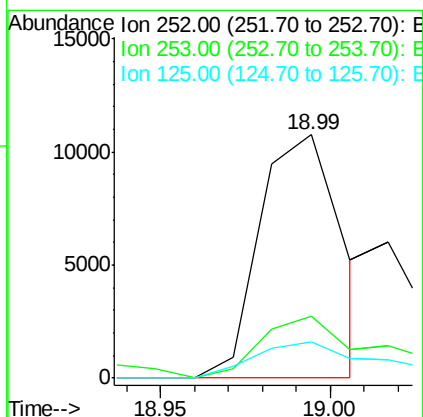
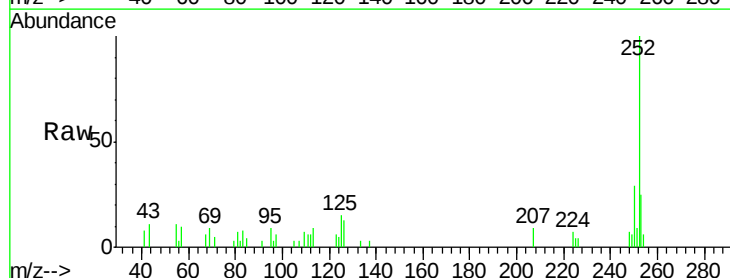
Instrument :
BNA_F
ClientSampleId :
SB-79S

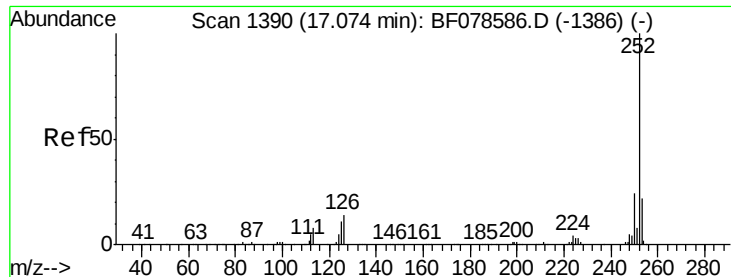
Tot Ion:264 Resp: 96175
Ion Ratio Lower Upper
264 100
260 22.9 18.6 27.8
265 21.2 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 3.04 ng m
RT: 18.99 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF078750.D
Acq: 23 Apr 2015 15:57

Tgt Ion:252 Resp: 18091
Ion Ratio Lower Upper
252 100
253 25.4 17.2 25.8
125 14.7 7.0 10.4#





#89

Benzo(a)pyrene

Concen: 2.79 ng

RT: 19.35 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF078750.D

Acq: 23 Apr 2015 15:57

Instrument :

BNA_F

ClientSampleId :

SB-79S

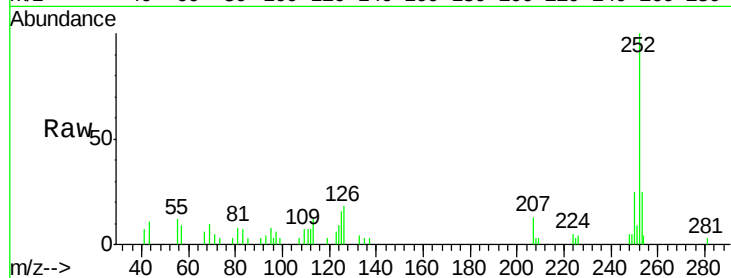
Tot Ion:252 Resp: 14460

Ion Ratio Lower Upper

252 100

253 25.1 16.8 25.2

125 16.3 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

