

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078593.D
 Acq On : 17 Apr 2015 6:07
 Operator : TP/IZ
 Sample : G1828-13DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB01BDL

Quant Time: Apr 17 05:54:00 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 03:45:36 2015
 Response via : Initial Calibration

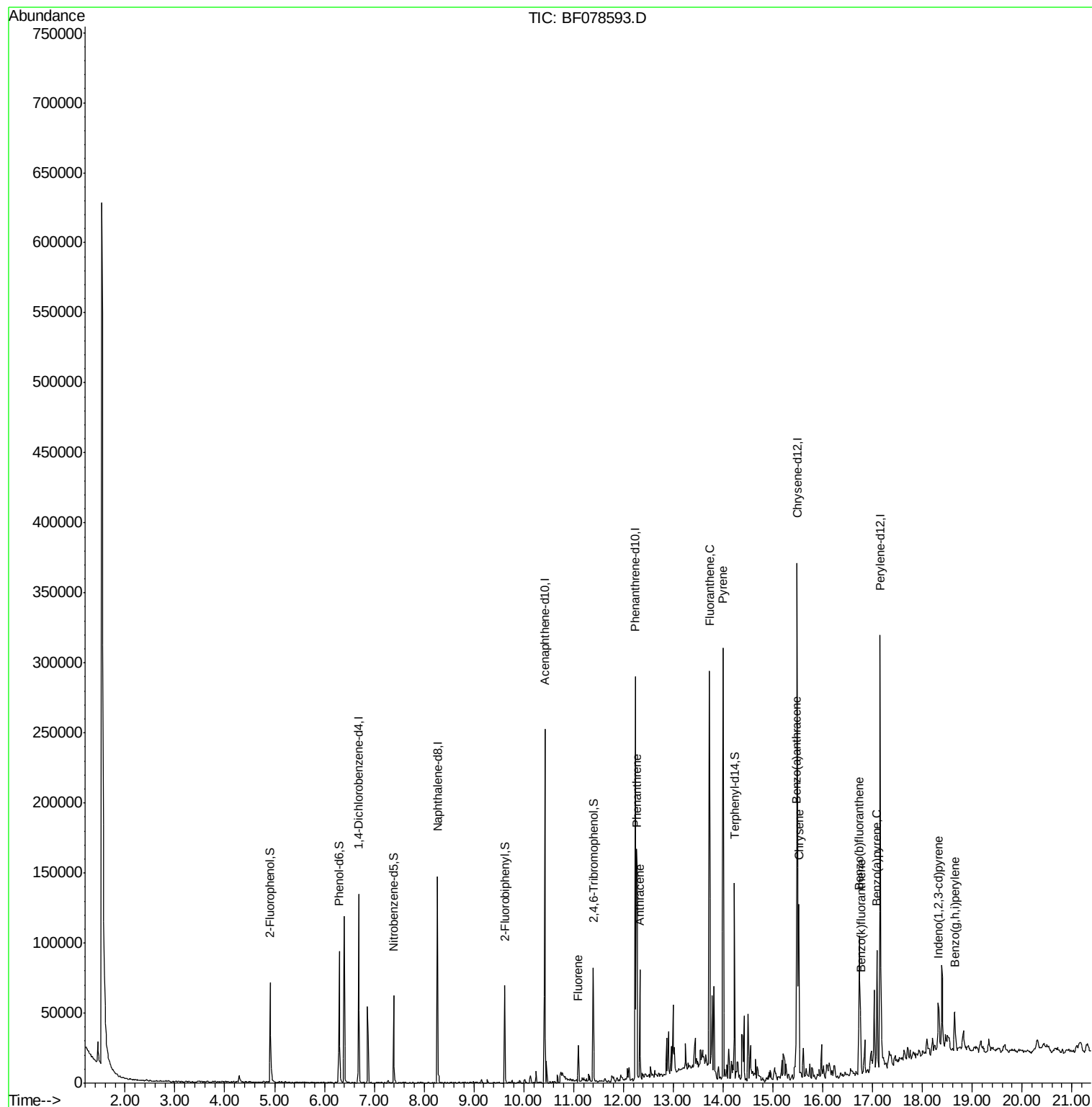
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	24091	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	98581	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	52803	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	110562	20.00	ng	0.00
75) Chrysene-d12	15.49	240	126037	20.00	ng	-0.01
86) Perylene-d12	17.15	264	129234	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	30518	20.89	ng	0.00
7) Phenol-d6	6.30	99	41375	22.60	ng	0.00
23) Nitrobenzene-d5	7.39	82	21722	13.36	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	9464	21.61	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	34596	9.37	ng	0.00
78) Terphenyl-d14	14.23	244	50496	9.05	ng	0.00
Target Compounds						Qvalue
57) Fluorene	11.10	166	8512	2.23	ng	93
70) Phenanthrene	12.27	178	97157	15.19	ng	98
71) Anthracene	12.33	178	33725	5.35	ng	98
74) Fluoranthene	13.73	202	134704	19.97	ng	98
77) Pyrene	14.00	202	122000	15.42	ng	# 95
80) Benzo(a)anthracene	15.47	228	63882	8.52	ng	97
82) Chrysene	15.52	228	50892	7.22	ng	97
85) Indeno(1,2,3-cd)pyrene	18.32	276	27190	3.40	ng	# 82
87) Benzo(b)fluoranthene	16.73	252	65953m	8.26	ng	
88) Benzo(k)fluoranthene	16.77	252	15171m	2.14	ng	
89) Benzo(a)pyrene	17.09	252	46315	6.64	ng	# 90
91) Benzo(g,h,i)perylene	18.65	276	21603	3.09	ng	99

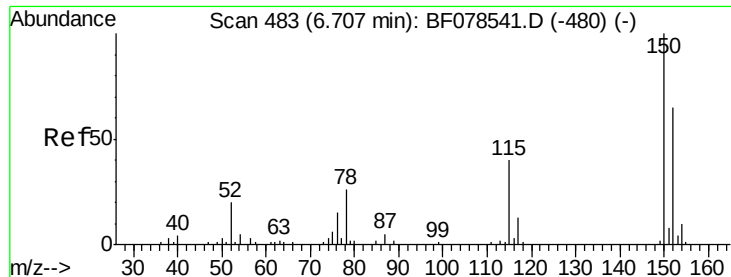
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 481

Delta R.T. 0.00 min

Lab File: BF078593.D

Acq: 17 Apr 2015 6:07

Instrument :

BNA_F

ClientSampleId :

HS-SB01BDL

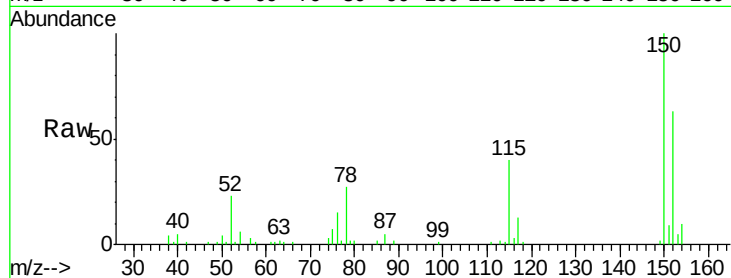
Tgt Ion:152 Resp: 24091

Ion Ratio Lower Upper

152 100

150 157.5 125.9 188.9

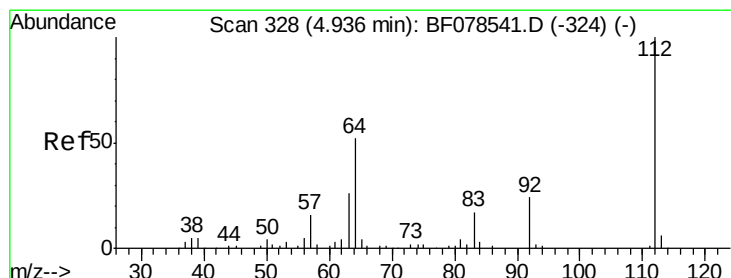
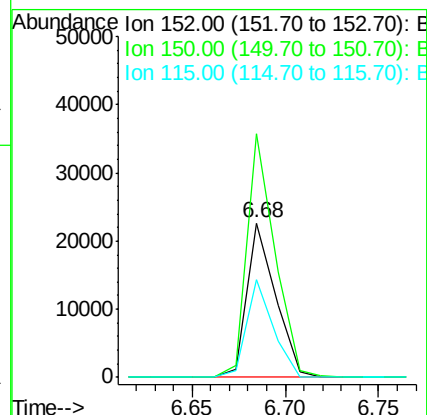
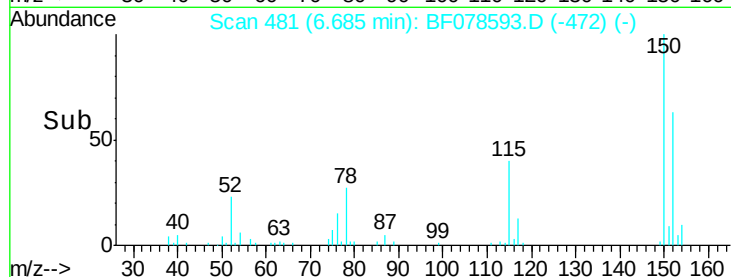
115 63.6 52.7 79.1



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: 20.89 ng

RT: 4.91 min Scan# 326

Delta R.T. 0.00 min

Lab File: BF078593.D

Acq: 17 Apr 2015 6:07

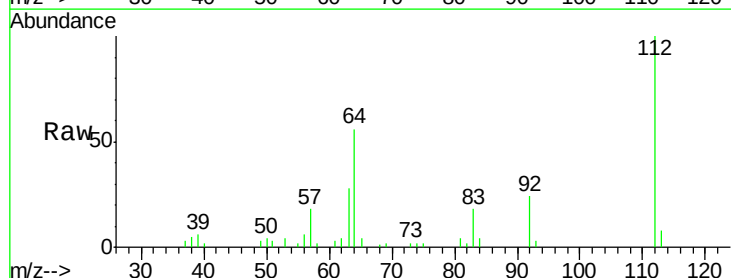
Tgt Ion:112 Resp: 30518

Ion Ratio Lower Upper

112 100

64 56.2 39.9 59.9

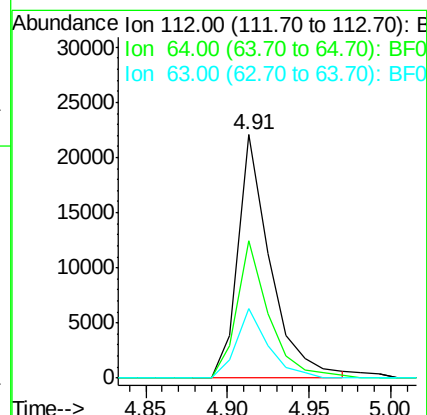
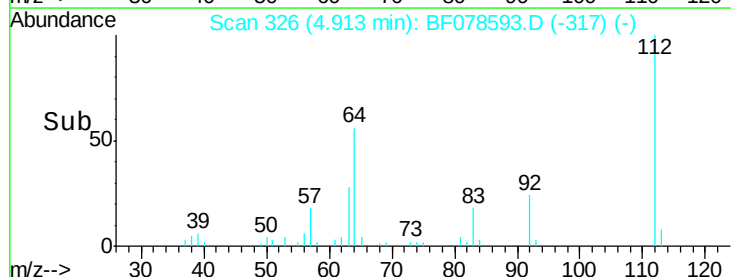
63 28.4 20.2 30.4

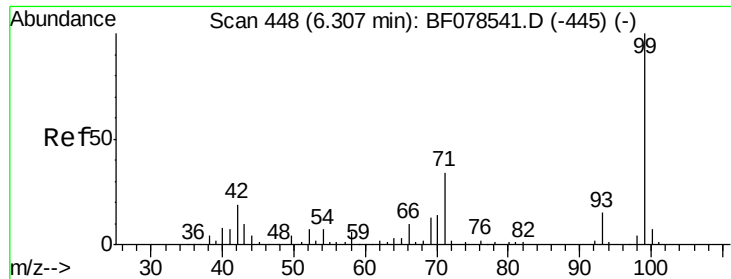


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.60 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF078593.D

Acq: 17 Apr 2015 6:07

Instrument :

BNA_F

ClientSampleId :

HS-SB01BDL

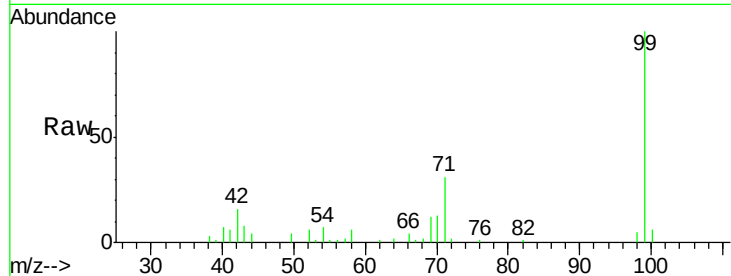
Tgt Ion: 99 Resp: 41375

Ion Ratio Lower Upper

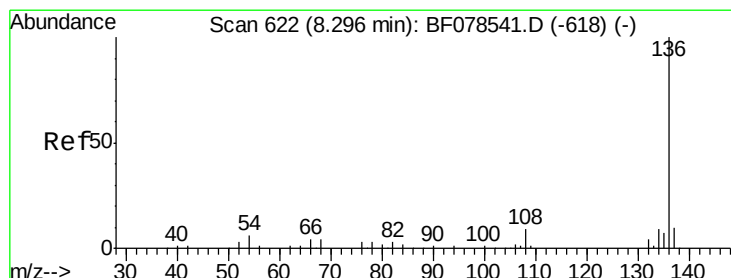
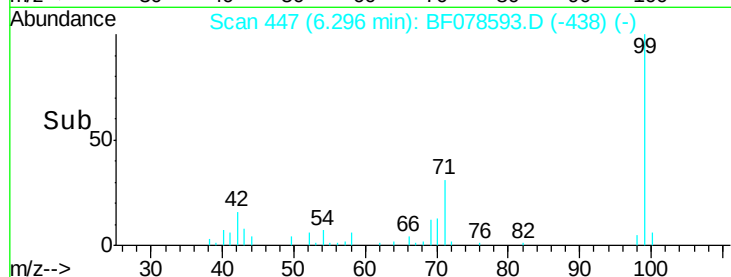
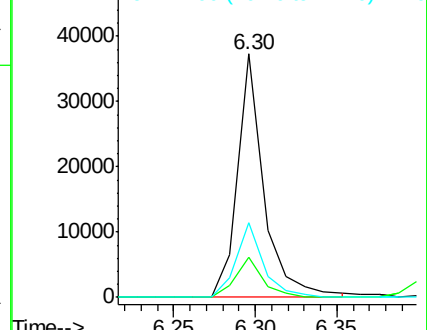
99 100

42 16.3 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: 8.27 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF078593.D

Acq: 17 Apr 2015 6:07

Tgt Ion: 136 Resp: 98581

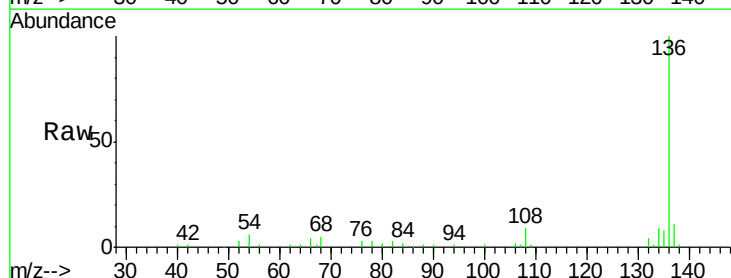
Ion Ratio Lower Upper

136 100

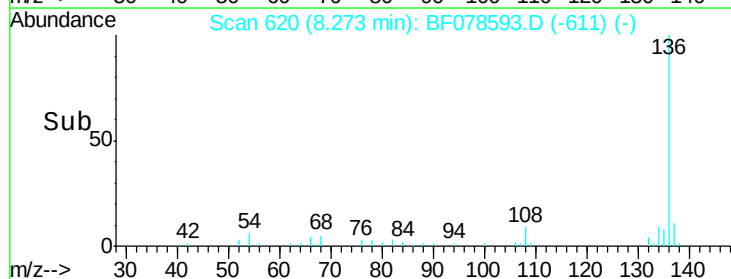
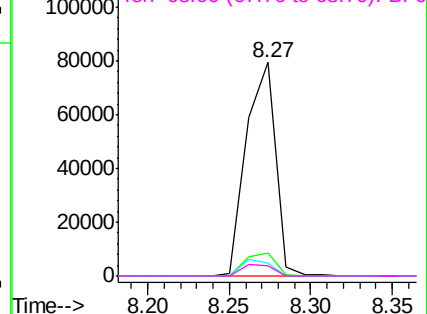
137 10.9 9.0 13.4

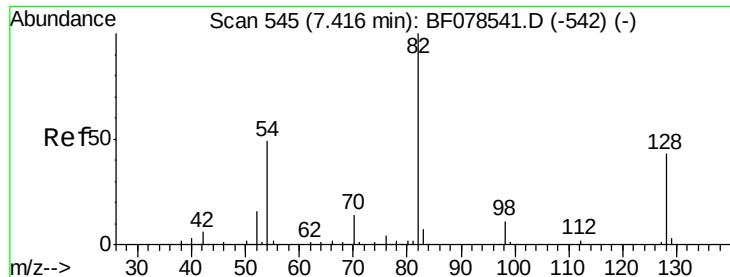
54 5.8 7.0 10.6#

68 4.7 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

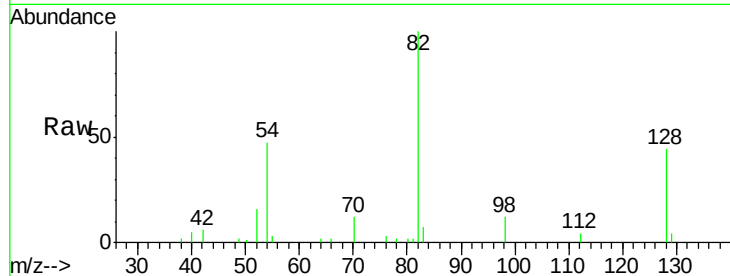




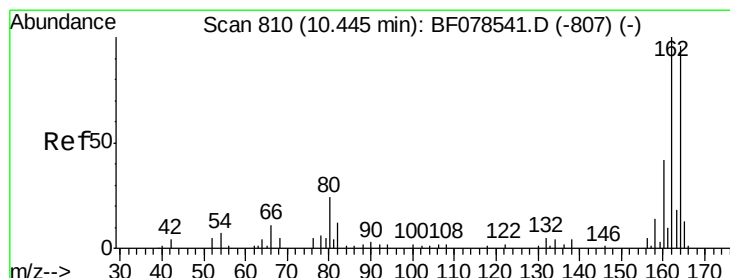
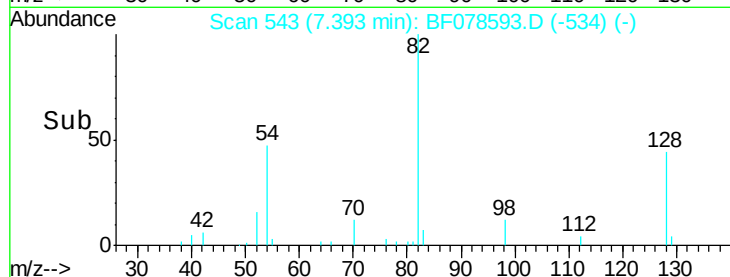
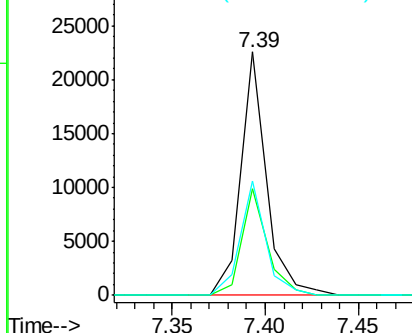
#23
 Nitrobenzene-d5
 Concen: 13.36 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078593.D
 Acq: 17 Apr 2015 6:07

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB01BDL

Tgt Ion: 82 Resp: 21722
 Ion Ratio Lower Upper
 82 100
 128 44.0 31.8 47.8
 54 47.2 41.5 62.3

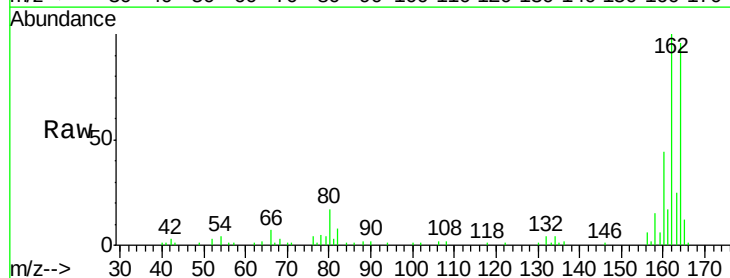


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

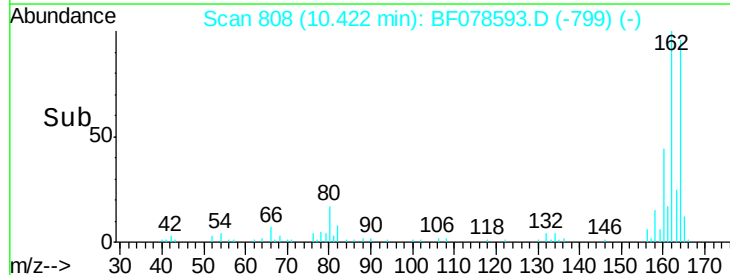
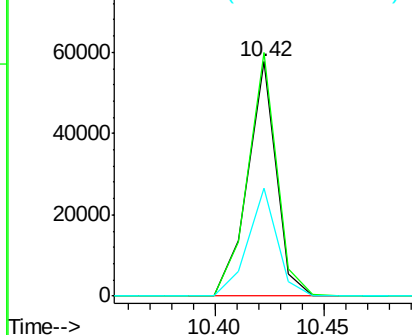


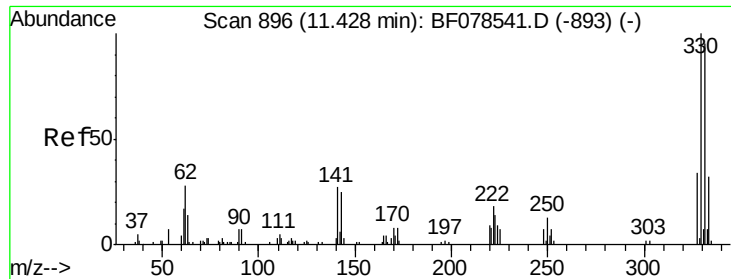
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078593.D
 Acq: 17 Apr 2015 6:07

Tgt Ion: 164 Resp: 52803
 Ion Ratio Lower Upper
 164 100
 162 103.8 82.2 123.2
 160 45.9 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

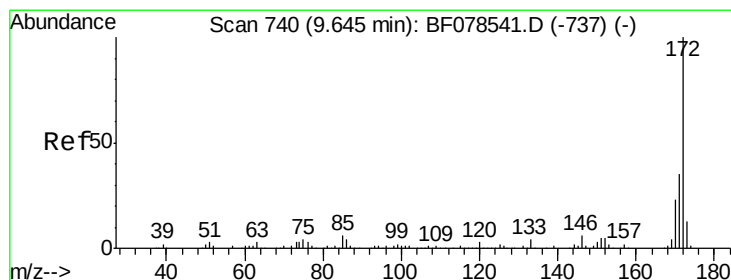
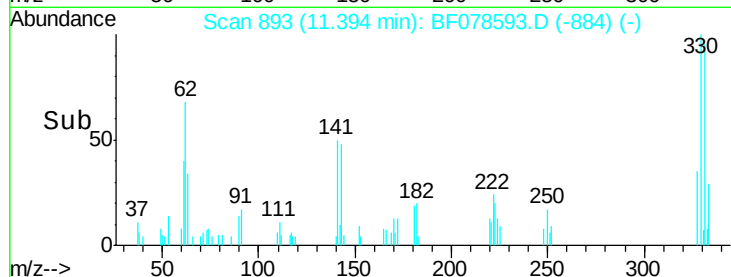
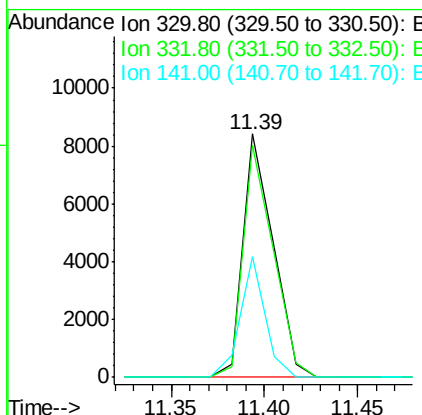
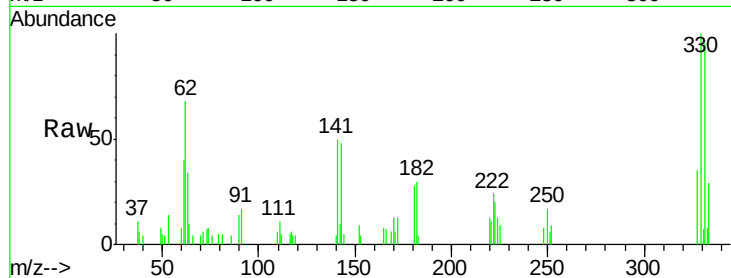




#41
 2,4,6-Tribromophenol
 Concen: 21.61 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF078593.D
 Acq: 17 Apr 2015 6:07

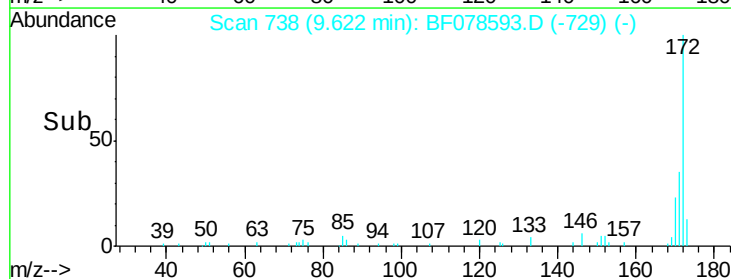
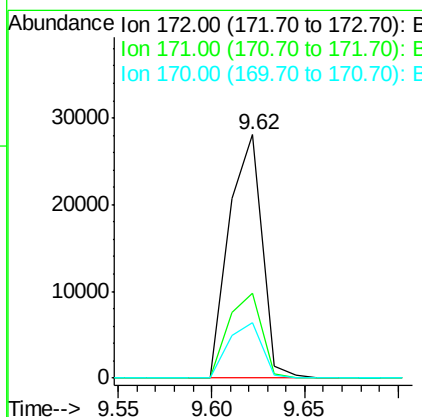
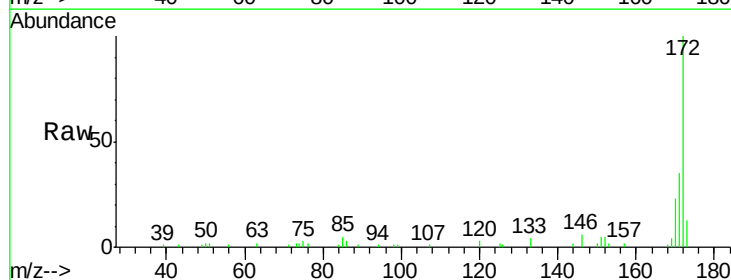
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB01BDL

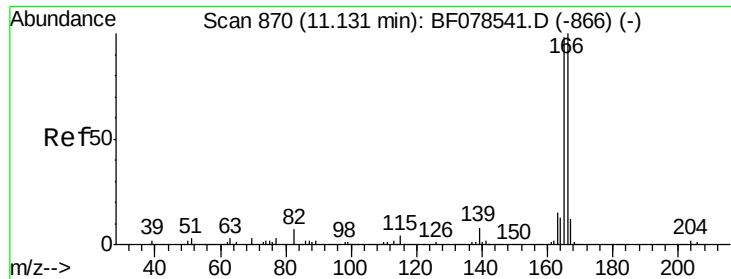
Tgt Ion:330 Resp: 9464
 Ion Ratio Lower Upper
 330 100
 332 95.3 78.6 117.8
 141 41.2 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 9.37 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078593.D
 Acq: 17 Apr 2015 6:07

Tgt Ion:172 Resp: 34596
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 42.8
 170 22.8 18.5 27.7

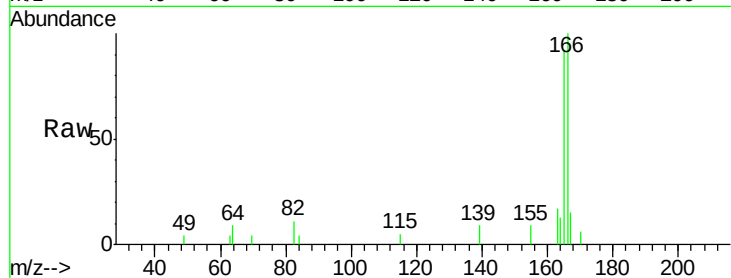




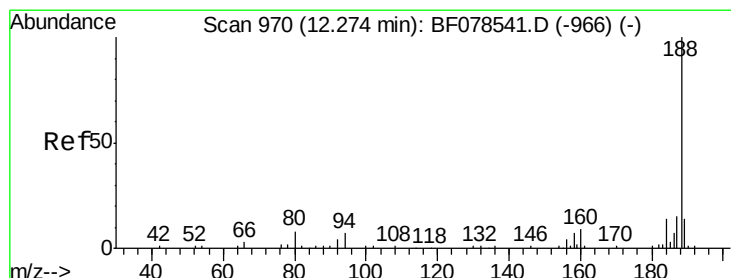
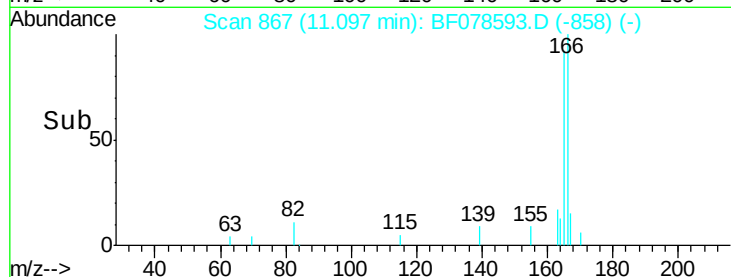
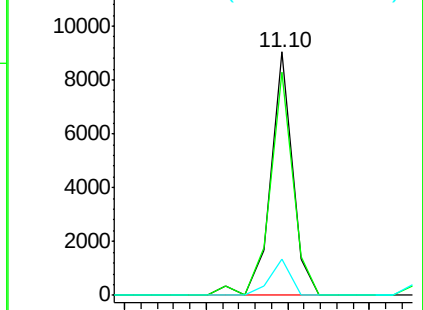
#57
 Fluorene
 Concen: 2.23 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078593.D
 Acq: 17 Apr 2015 6:07

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB01BDL

Tgt Ion:166 Resp: 8512
 Ion Ratio Lower Upper
 166 100
 165 91.5 78.9 118.3
 167 15.1 10.7 16.1

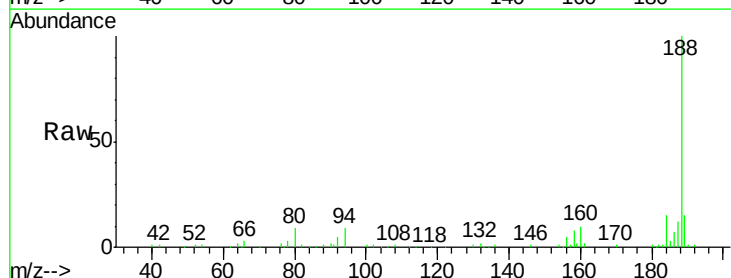


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

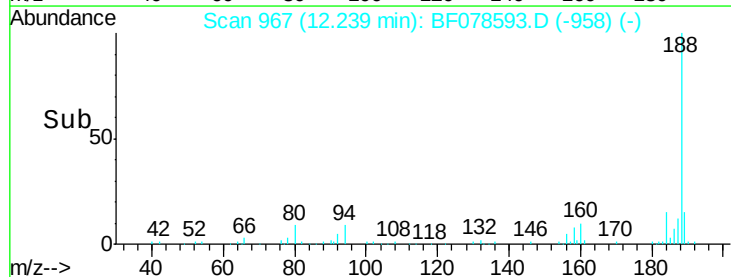
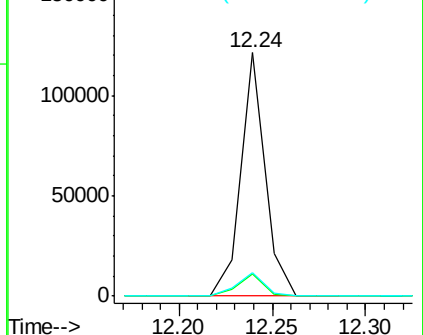


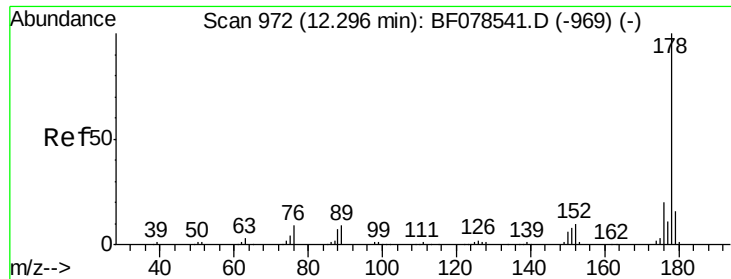
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF078593.D
 Acq: 17 Apr 2015 6:07

Tgt Ion:188 Resp: 110562
 Ion Ratio Lower Upper
 188 100
 94 9.3 9.0 13.4
 80 9.4 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

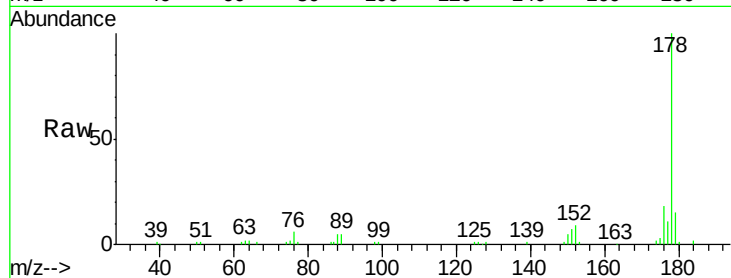




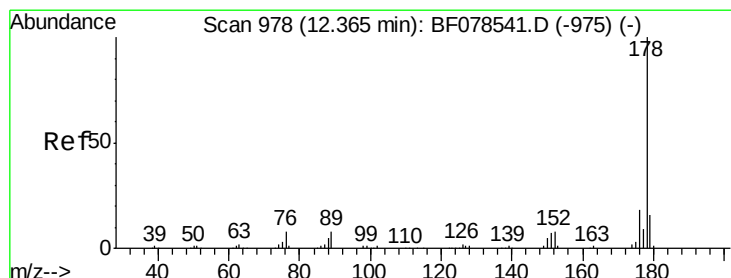
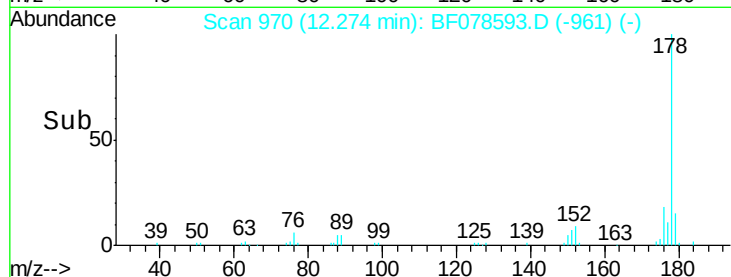
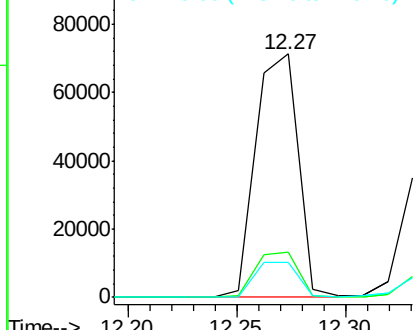
#70
Phenanthrene
Concen: 15.19 ng
RT: 12.27 min Scan# 970
Delta R.T. 0.00 min
Lab File: BF078593.D
Acq: 17 Apr 2015 6:07

Instrument :
BNA_F
ClientSampleId :
HS-SB01BDL

Tgt Ion:178 Resp: 97157
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 14.6 12.2 18.2

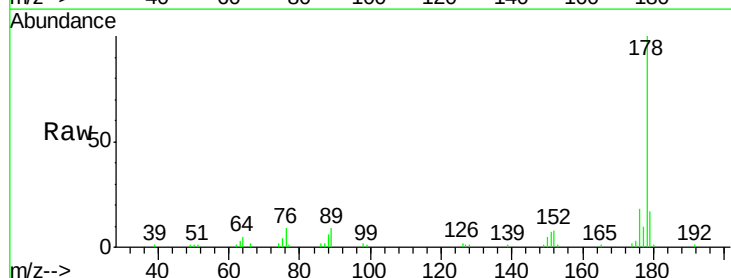


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

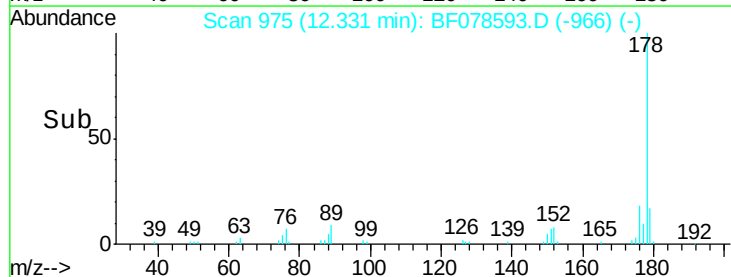
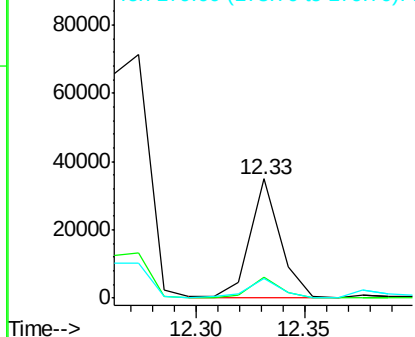


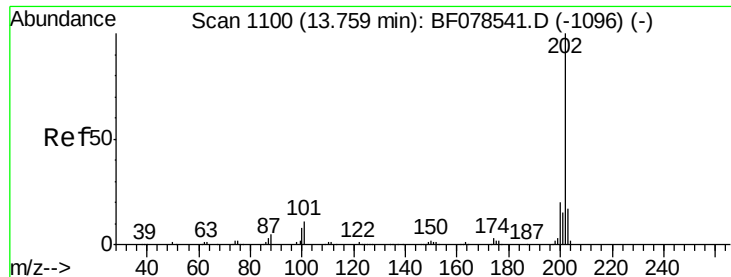
#71
Anthracene
Concen: 5.35 ng
RT: 12.33 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF078593.D
Acq: 17 Apr 2015 6:07

Tgt Ion:178 Resp: 33725
Ion Ratio Lower Upper
178 100
176 17.8 14.8 22.2
179 16.7 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

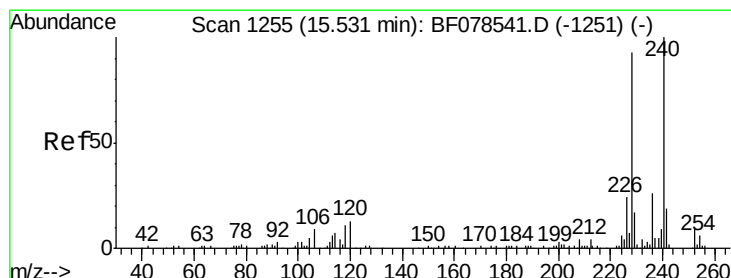
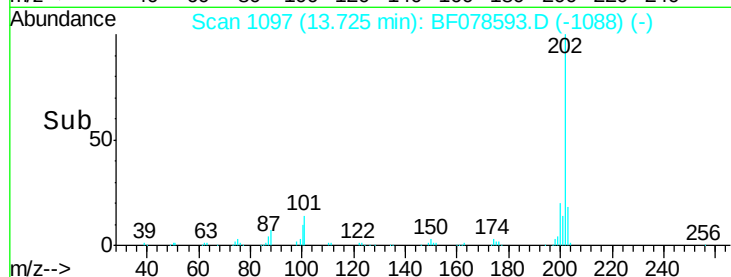
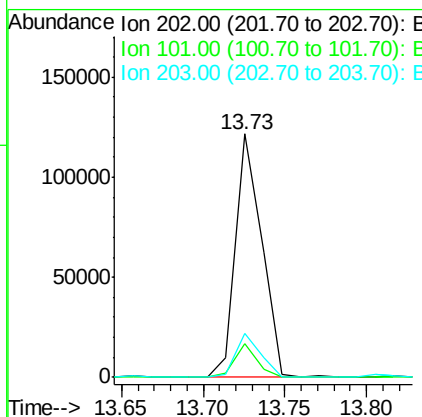
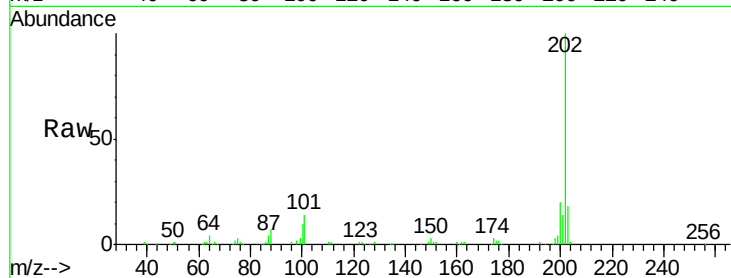




#74
Fluoranthene
Concen: 19.97 ng
RT: 13.73 min Scan# 1097
Delta R.T. 0.00 min
Lab File: BF078593.D
Acq: 17 Apr 2015 6:07

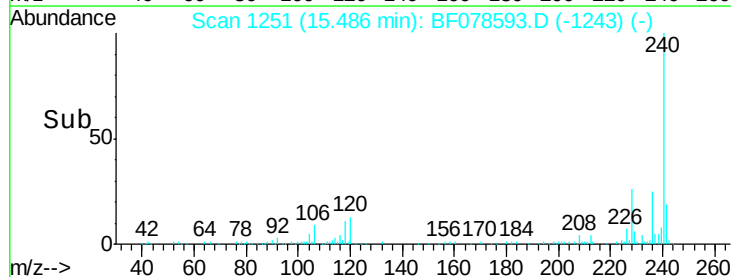
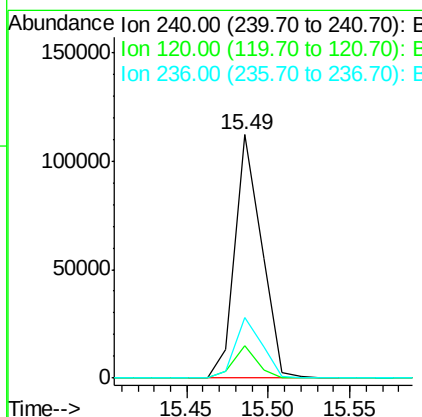
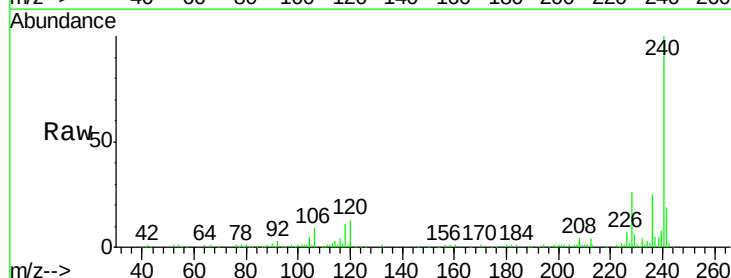
Instrument :
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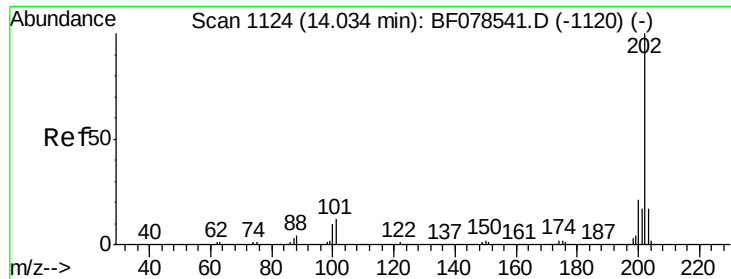
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	35.2
203	18.1	0.0	38.5



#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF078593.D
Acq: 17 Apr 2015 6:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	7.1	10.7#
236	25.0	21.4	32.2

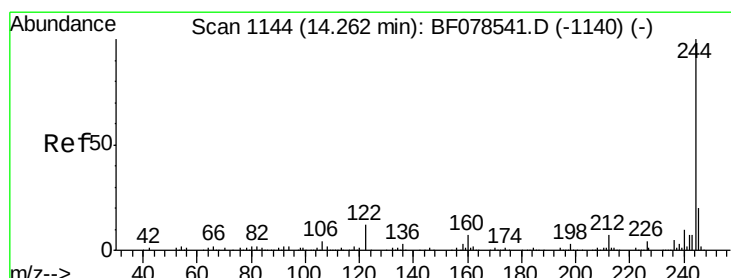
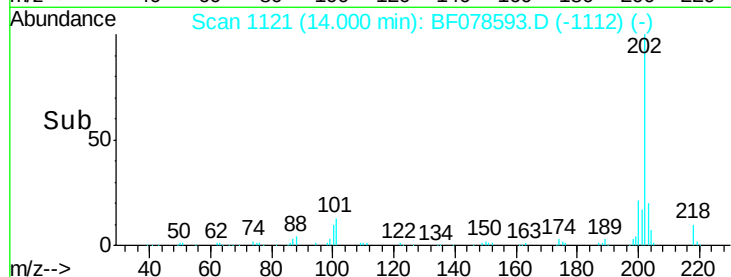
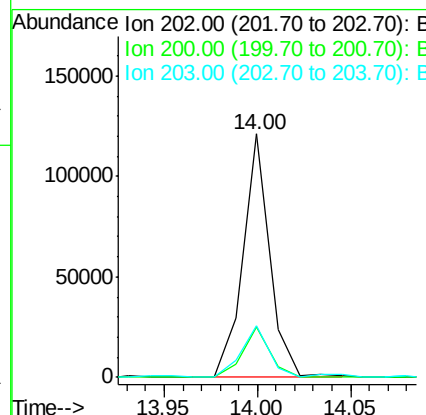
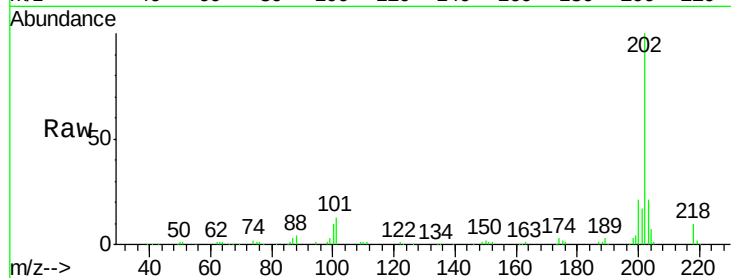




#77
 Pyrene
 Concen: 15.42 ng
 RT: 14.00 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: BF078593.D
 Acq: 17 Apr 2015 6:07

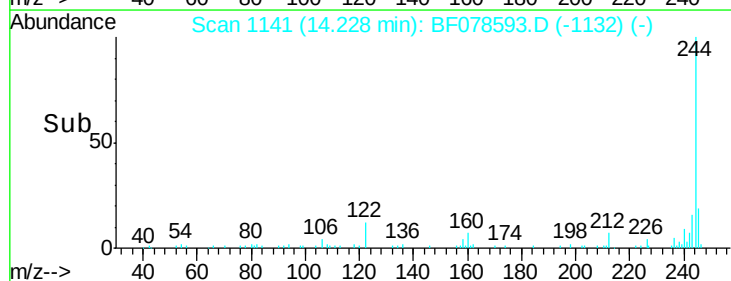
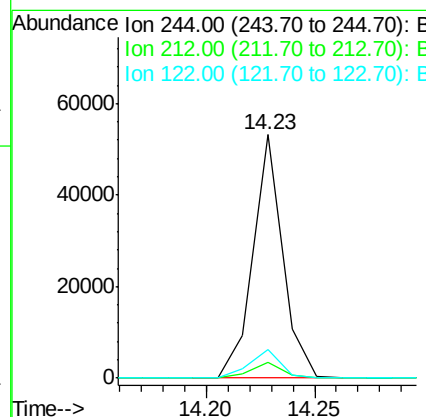
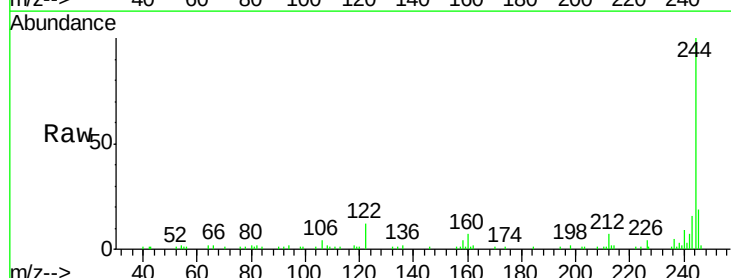
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB01BDL

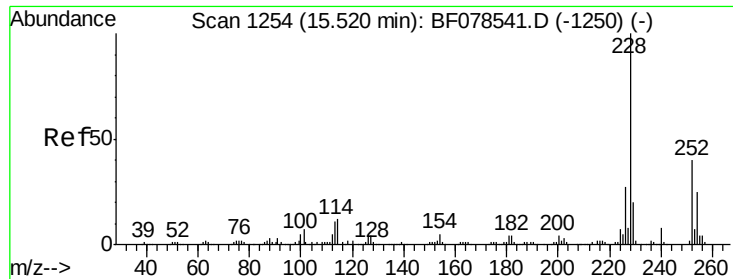
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.3	24.5
203	21.1	13.8	20.6#



#78
 Terphenyl-d14
 Concen: 9.05 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: BF078593.D
 Acq: 17 Apr 2015 6:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.0	7.4
122	11.6	7.1	10.7#

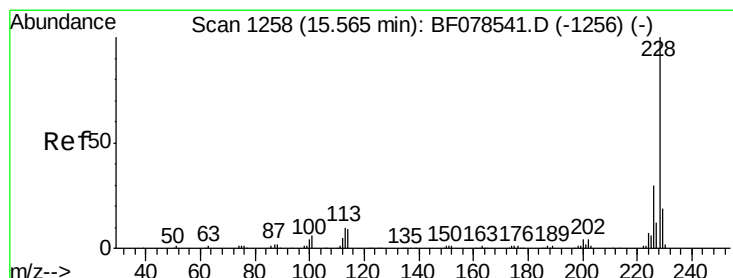
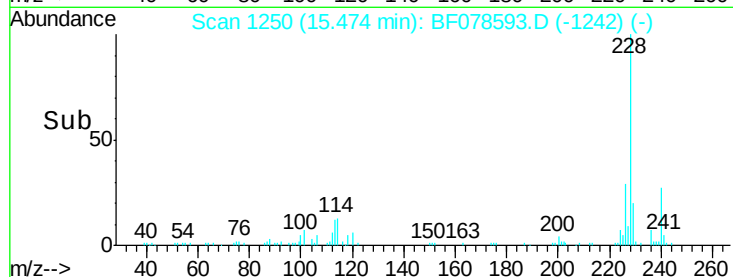
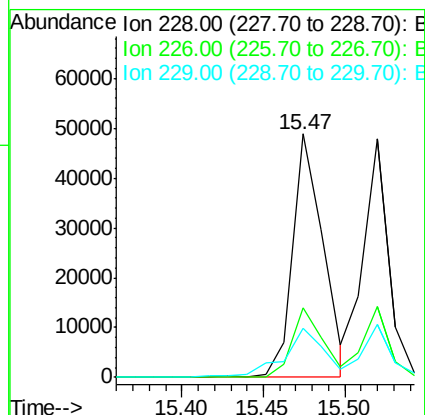
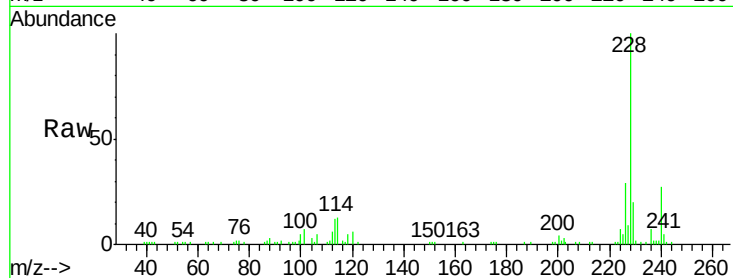




#80
Benzo(a)anthracene
Concen: 8.52 ng
RT: 15.47 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF078593.D
Acq: 17 Apr 2015 6:07

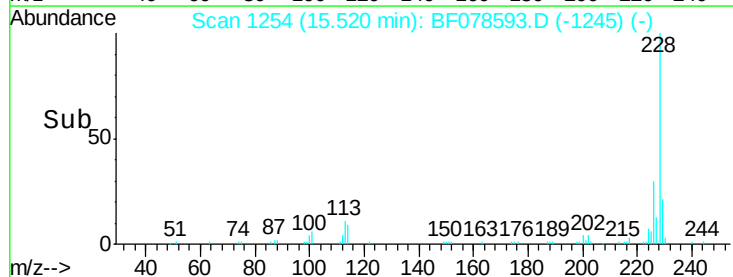
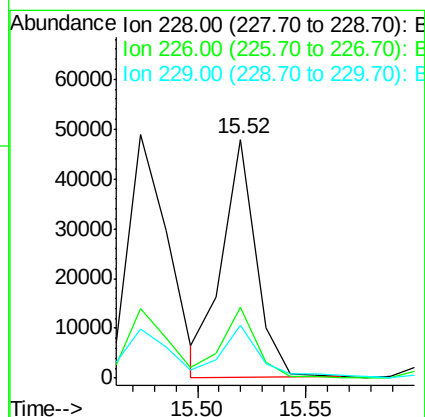
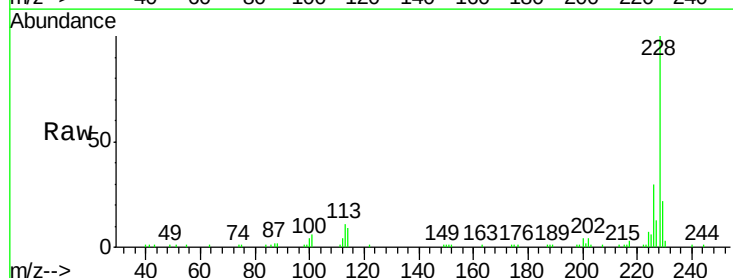
Instrument :
BNA_F
ClientSampleId :
HS-SB01BDL

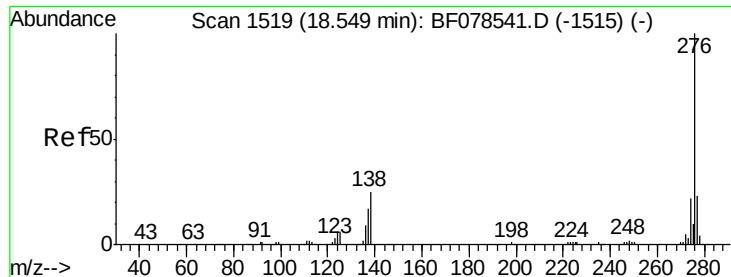
Tgt Ion: 228 Resp: 63882
Ion Ratio Lower Upper
228 100
226 28.5 21.3 31.9
229 19.9 15.4 23.2



#82
Chrysene
Concen: 7.22 ng
RT: 15.52 min Scan# 1254
Delta R.T. 0.00 min
Lab File: BF078593.D
Acq: 17 Apr 2015 6:07

Tgt Ion: 228 Resp: 50892
Ion Ratio Lower Upper
228 100
226 29.6 24.2 36.4
229 22.1 15.8 23.8

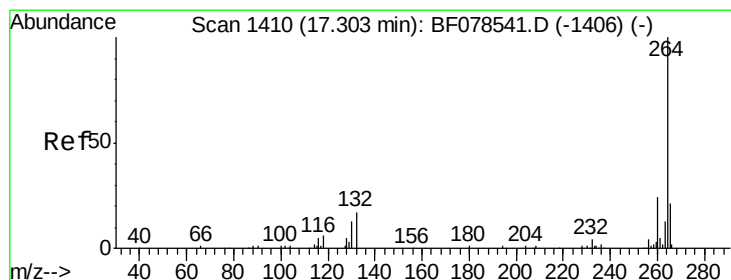
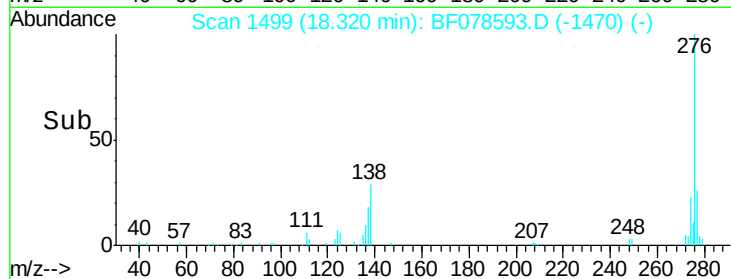
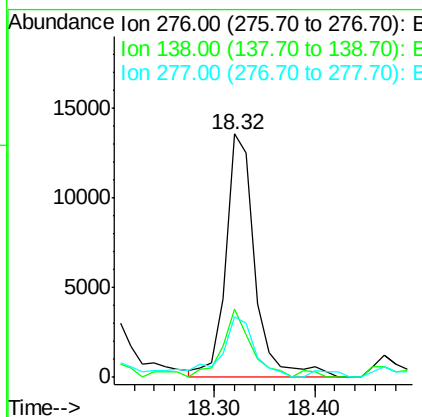
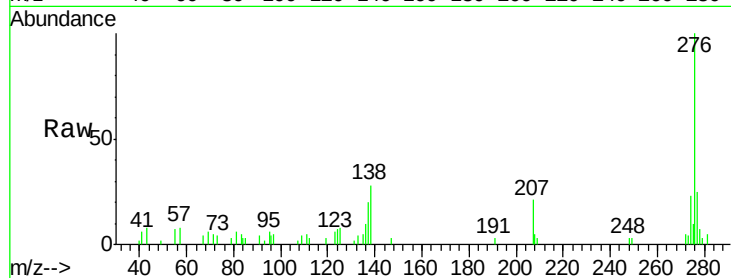




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.40 ng
 RT: 18.32 min Scan# 1499
 Delta R.T. 0.03 min
 Lab File: BF078593.D
 Acq: 17 Apr 2015 6:07

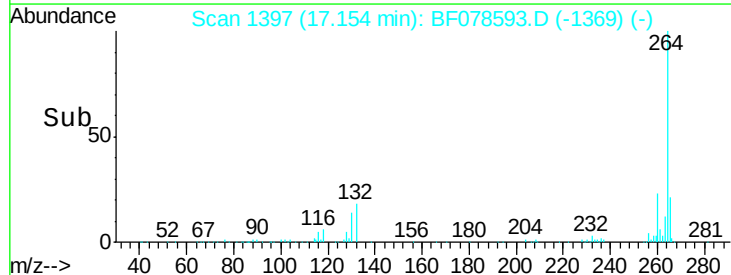
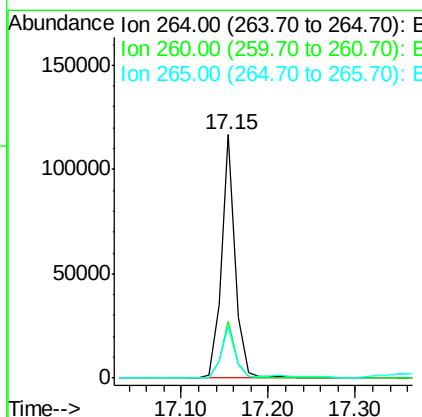
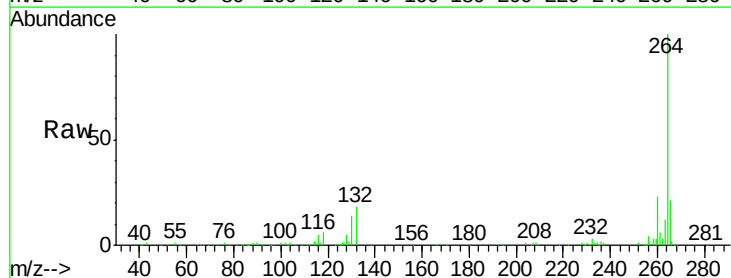
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB01BDL

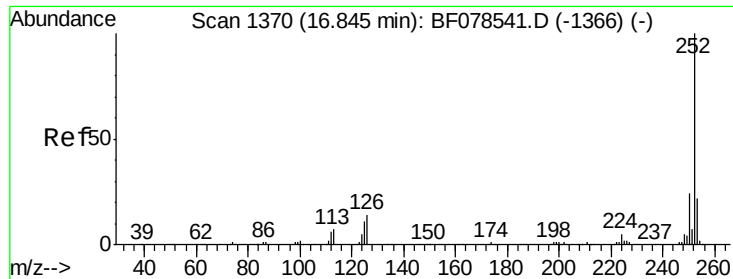
Tgt Ion: 276 Resp: 27190
 Ion Ratio Lower Upper
 276 100
 138 27.2 16.9 25.3#
 277 30.0 15.8 23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.15 min Scan# 1397
 Delta R.T. 0.02 min
 Lab File: BF078593.D
 Acq: 17 Apr 2015 6:07

Tgt Ion: 264 Resp: 129234
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 27.8
 265 21.0 17.0 25.6

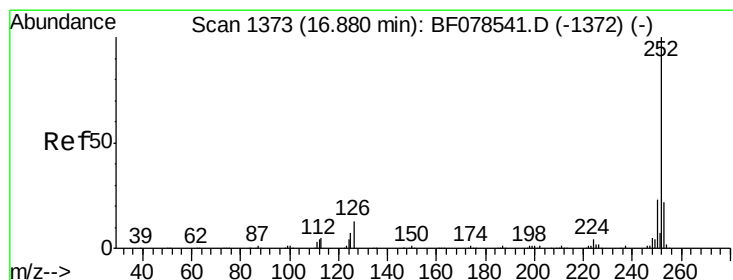
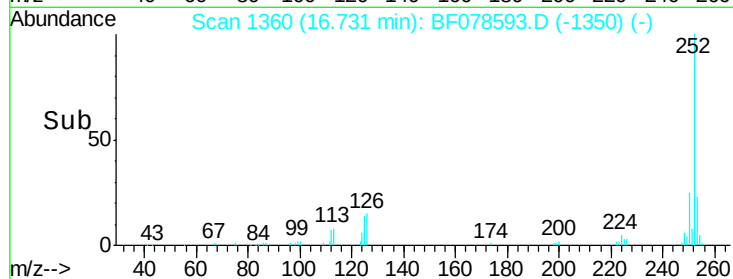
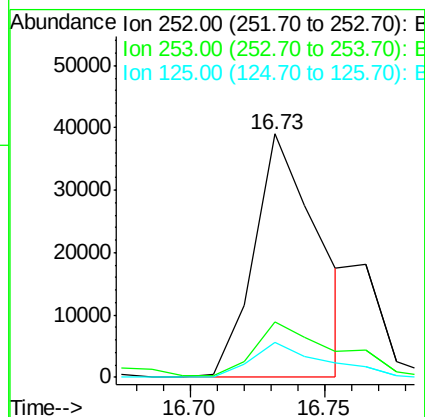
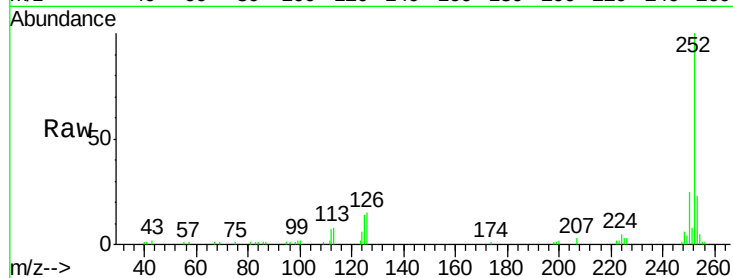




#87
Benzo(b)fluoranthene
Concen: 8.26 ng m
RT: 16.73 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF078593.D
Acq: 17 Apr 2015 6:07

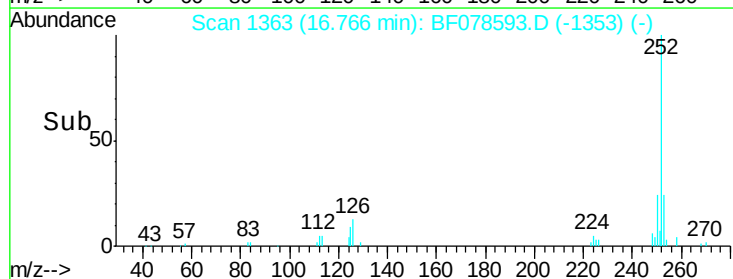
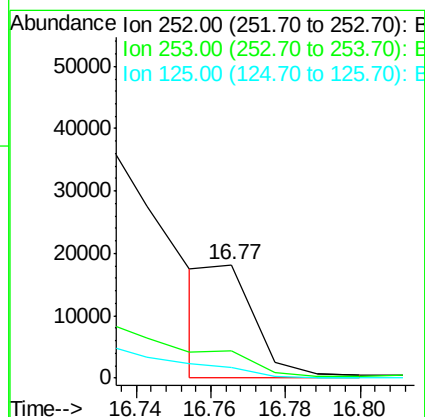
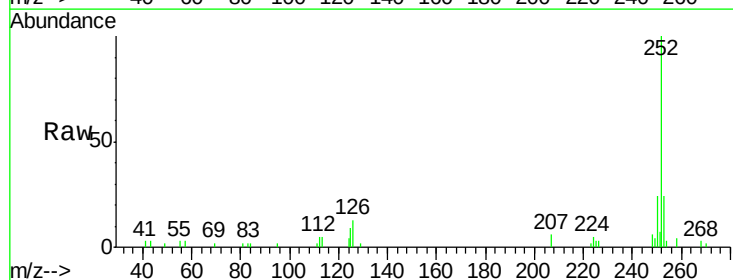
Instrument :
BNA_F
ClientSampleId :
HS-SB01BDL

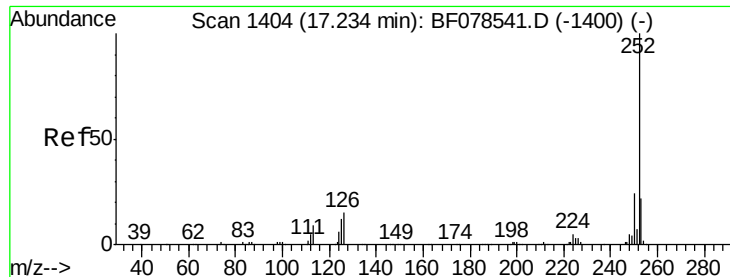
Tgt Ion: 252 Resp: 65953
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 14.1 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 2.14 ng m
RT: 16.77 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BF078593.D
Acq: 17 Apr 2015 6:07

Tgt Ion: 252 Resp: 15171
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 9.0 11.6 17.4#





#89

Benzo(a)pyrene

Concen: 6.64 ng

RT: 17.09 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BF078593.D

Acq: 17 Apr 2015 6:07

Instrument :

BNA_F

ClientSampleId :

HS-SB01BDL

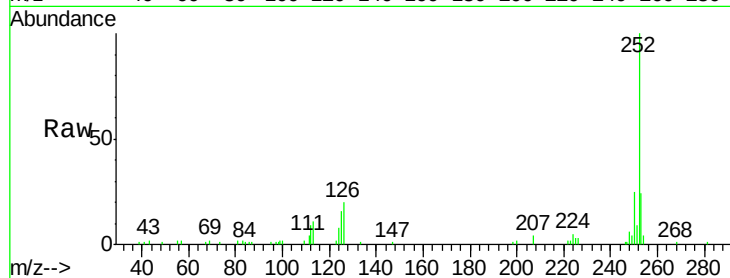
Tgt Ion:252 Resp: 46315

Ion Ratio Lower Upper

252 100

253 23.6 16.8 25.2

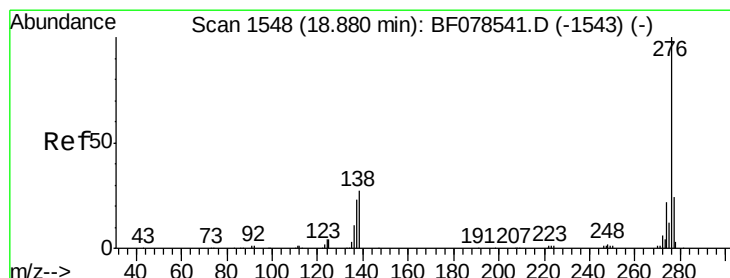
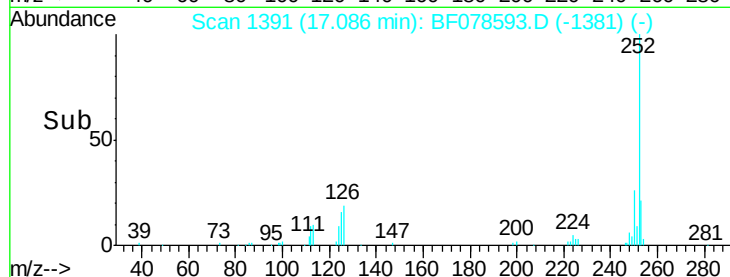
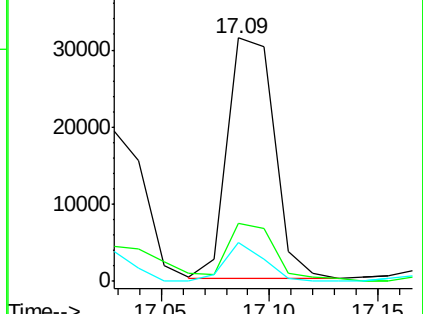
125 15.9 7.4 11.0#



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: 3.09 ng

RT: 18.65 min Scan# 1528

Delta R.T. 0.05 min

Lab File: BF078593.D

Acq: 17 Apr 2015 6:07

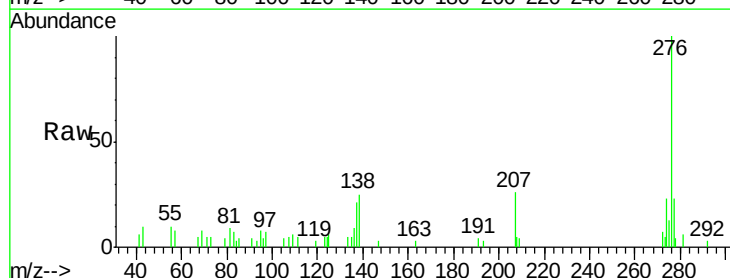
Tgt Ion:276 Resp: 21603

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 24.6 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

