

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078519.D
 Acq On : 15 Apr 2015 00:46
 Operator : TP/IZ
 Sample : G1828-18
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB101

Quant Time: Apr 15 02:36:02 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 01:10:59 2015
 Response via : Initial Calibration

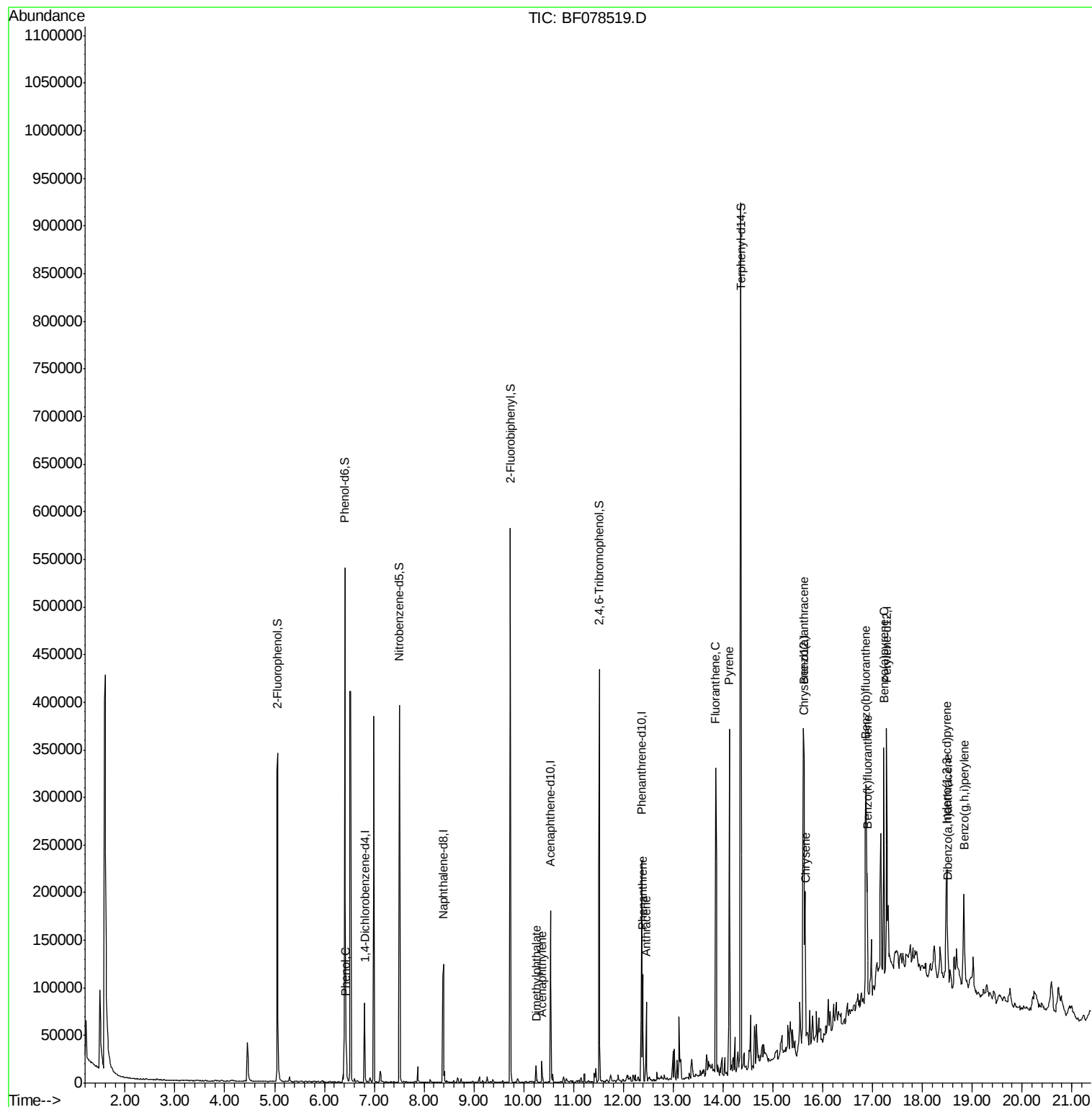
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	20153	20.00	ng	0.01
21) Naphthalene-d8	8.39	136	85738	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	43891	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	91520	20.00	ng	0.00
75) Chrysene-d12	15.62	240	106095	20.00	ng	-0.03
86) Perylene-d12	17.28	264	115145	20.00	ng	-0.21
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	162442	132.90	ng	0.01
7) Phenol-d6	6.41	99	215356	140.59	ng	0.00
23) Nitrobenzene-d5	7.51	82	123944	87.62	ng	0.00
41) 2,4,6-Tribromophenol	11.52	330	56507	155.23	ng	0.00
44) 2-Fluorobiphenyl	9.74	172	249800	81.35	ng	0.00
78) Terphenyl-d14	14.35	244	310137	66.05	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.43	94	5256	2.86	ng	79
48) Acenaphthylene	10.36	152	12002	2.63	ng	96
49) Dimethylphthalate	10.25	163	12565	3.81	ng	97
70) Phenanthrene	12.39	178	51359	9.70	ng	99
71) Anthracene	12.46	178	35413	6.79	ng	99
74) Fluoranthene	13.85	202	175027	31.35	ng	99
77) Pyrene	14.13	202	156201	23.45	ng	# 93
80) Benzo(a)anthracene	15.61	228	111600	17.68	ng	97
82) Chrysene	15.66	228	73855	12.45	ng	95
85) Indeno(1,2,3-cd)pyrene	18.49	276	78421m	11.65	ng	
87) Benzo(b)fluoranthene	16.87	252	137830m	19.37	ng	
88) Benzo(k)fluoranthene	16.89	252	46729m	7.39	ng	
89) Benzo(a)pyrene	17.22	252	109640	17.65	ng	# 95
90) Dibenzo(a,h)anthracene	18.50	278	18299m	2.94	ng	
91) Benzo(g,h,i)perylene	18.83	276	74739m	11.99	ng	

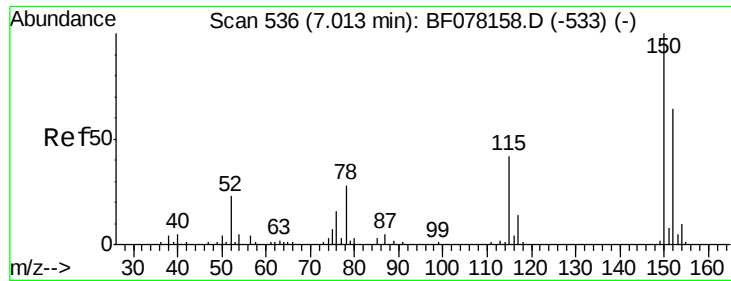
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078519.D
Acq On : 15 Apr 2015 00:46
Operator : TP/IZ
Sample : G1828-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HS-SB101

Quant Time: Apr 15 02:36:02 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 15 01:10:59 2015
Response via : Initial Calibration



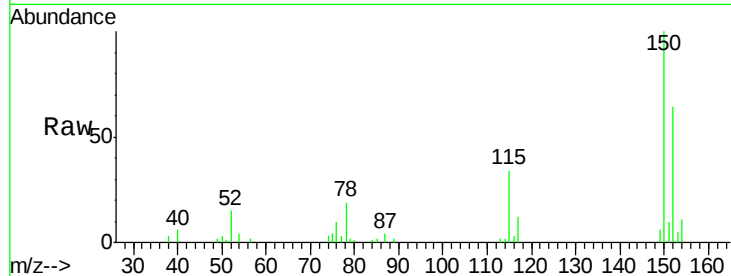


#1

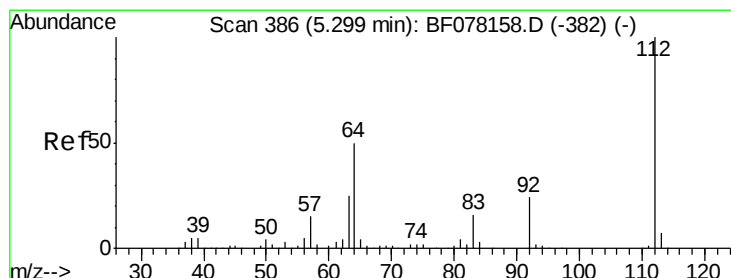
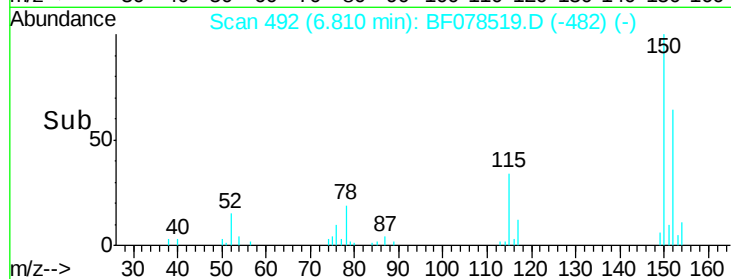
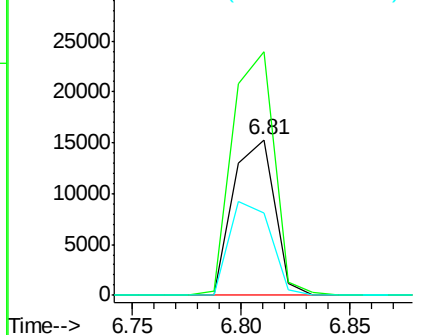
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 492
 Delta R.T. 0.01 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB101

Tgt Ion:152 Resp: 20153
 Ion Ratio Lower Upper
 152 100
 150 156.8 125.9 188.9
 115 53.4 52.7 79.1



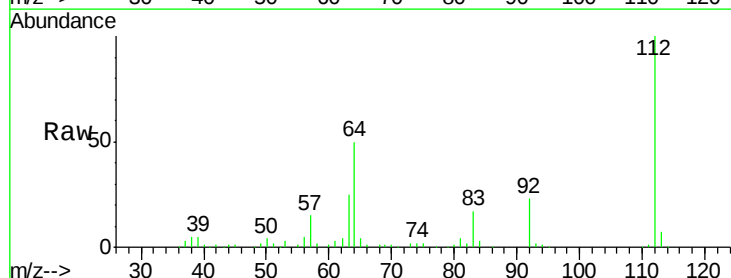
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



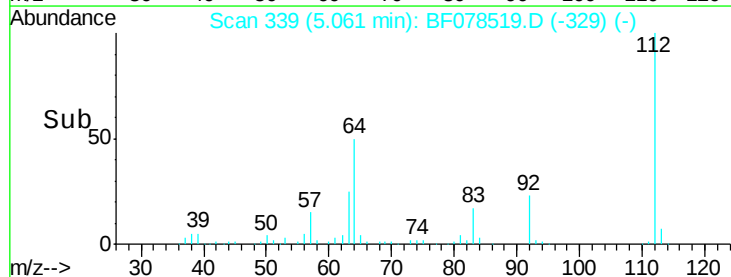
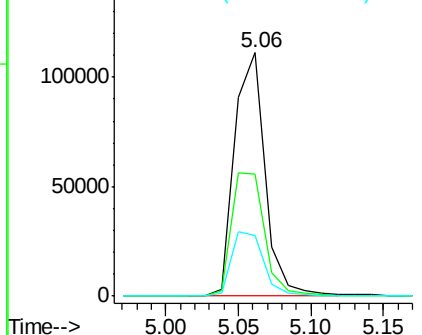
#5

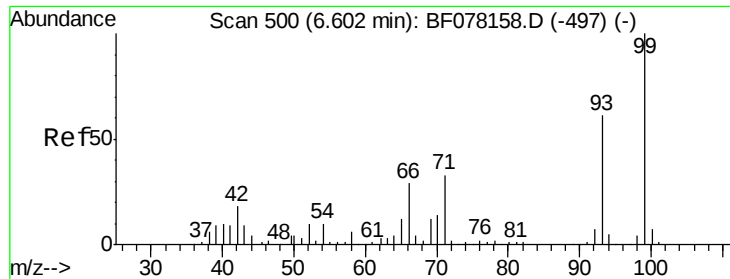
2-Fluorophenol
 Concen: 132.90 ng
 RT: 5.06 min Scan# 339
 Delta R.T. 0.01 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

Tgt Ion:112 Resp: 162442
 Ion Ratio Lower Upper
 112 100
 64 50.2 39.9 59.9
 63 25.1 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: 140.59 ng

RT: 6.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

Instrument :

BNA_F

ClientSampleId :

HS-SB101

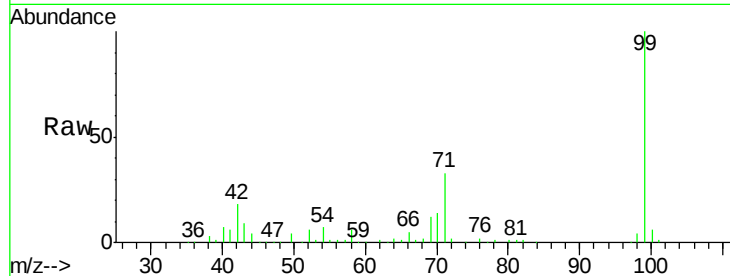
Tgt Ion: 99 Resp: 215356

Ion Ratio Lower Upper

99 100

42 17.6 14.8 22.2

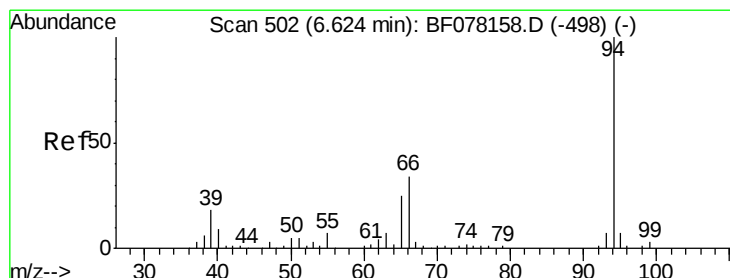
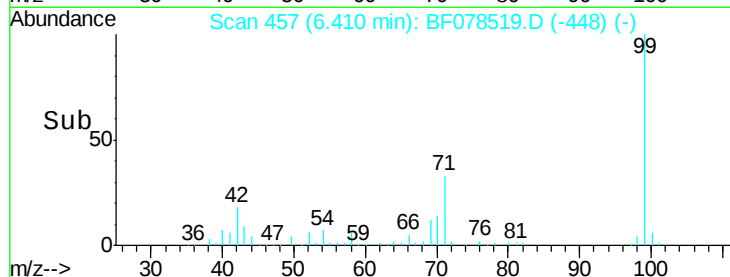
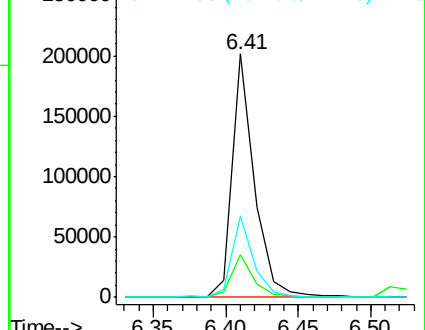
71 33.2 26.6 39.8



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



#10

Phenol

Concen: 2.86 ng

RT: 6.43 min Scan# 459

Delta R.T. 0.01 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

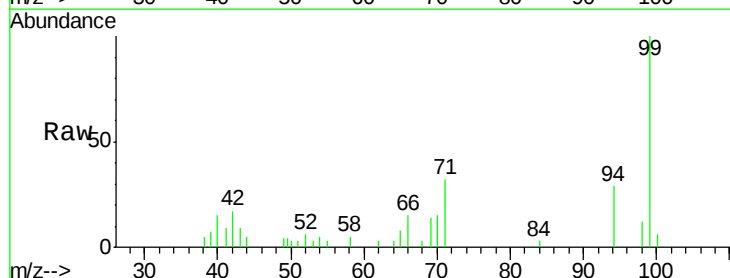
Tgt Ion: 94 Resp: 5256

Ion Ratio Lower Upper

94 100

65 28.7 4.9 44.9

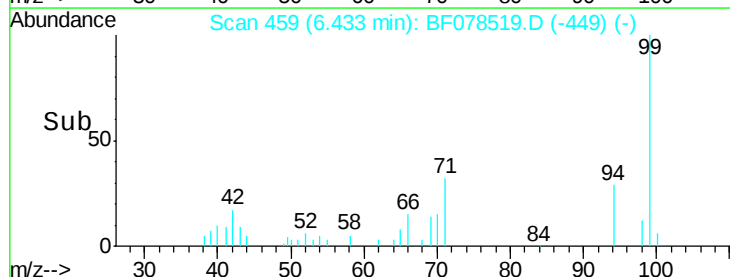
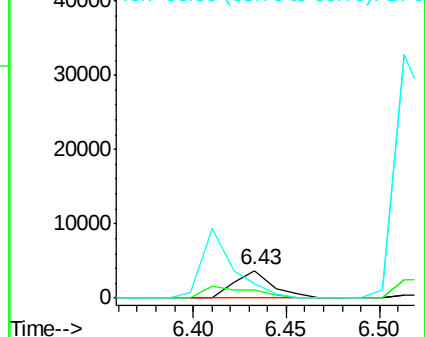
66 50.9 13.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

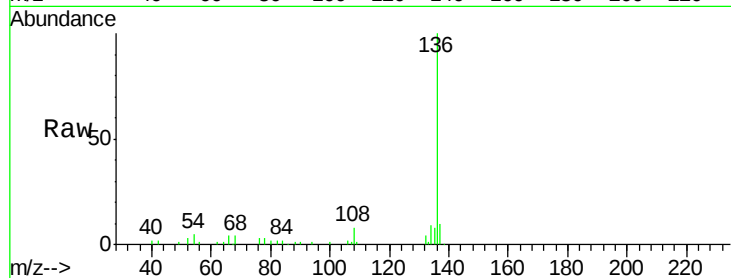




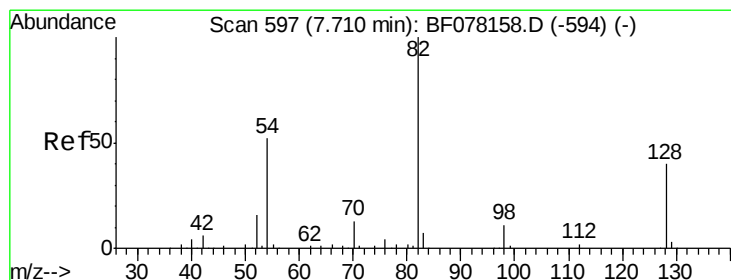
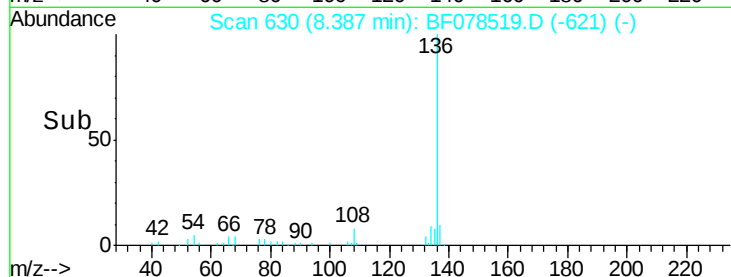
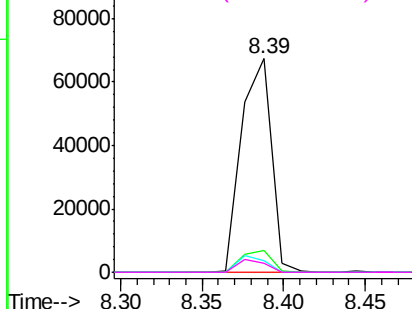
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.39 min Scan# 630
Delta R.T. -0.00 min
Lab File: BF078519.D
Acq: 15 Apr 2015 00:46

Instrument :
BNA_F
ClientSampleId :
HS-SB101

Tgt Ion:	136	Resp:	85738
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	5.4	7.0	10.6#
68	4.4	5.4	8.2#

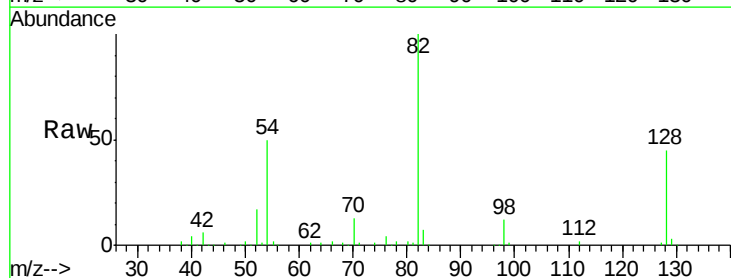


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

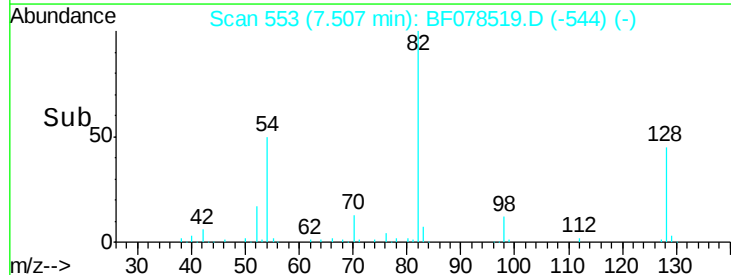
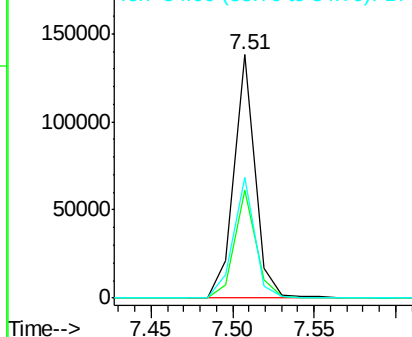


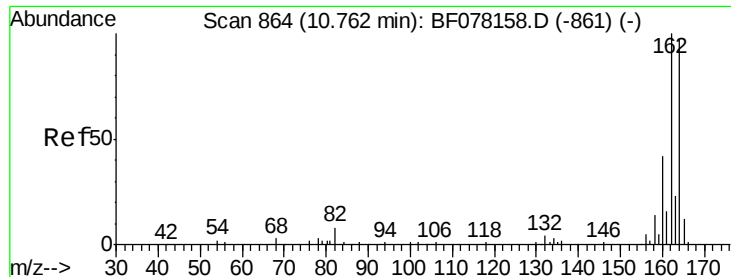
#23
Nitrobenzene-d5
Concen: 87.62 ng
RT: 7.51 min Scan# 553
Delta R.T. -0.00 min
Lab File: BF078519.D
Acq: 15 Apr 2015 00:46

Tgt Ion:	82	Resp:	123944
Ion	Ratio	Lower	Upper
82	100		
128	44.6	31.8	47.8
54	49.7	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: 10.54 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

Instrument :

BNA_F

ClientSampleId :

HS-SB101

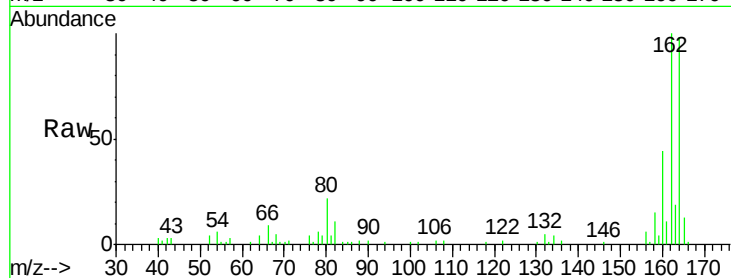
Tgt Ion:164 Resp: 43891

Ion Ratio Lower Upper

164 100

162 102.1 82.2 123.2

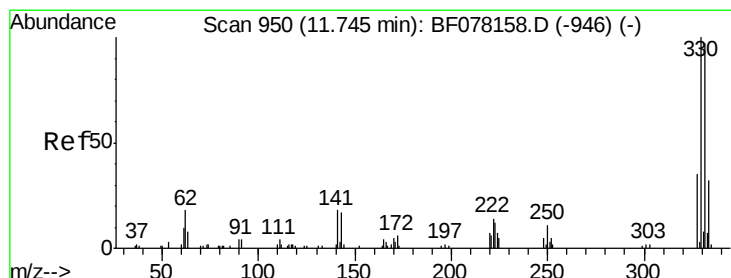
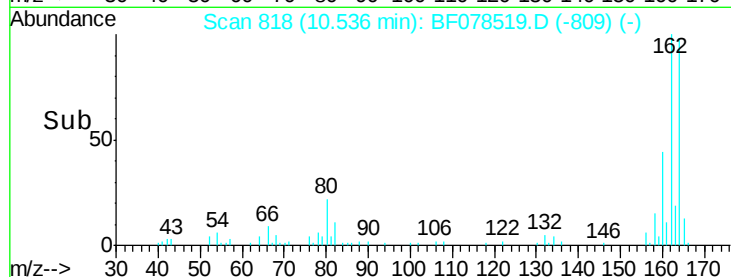
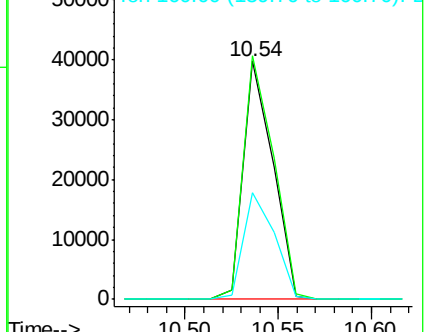
160 44.8 34.7 52.1



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: 155.23 ng

RT: 11.52 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

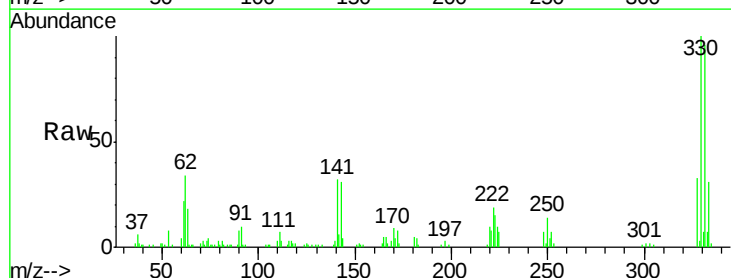
Tgt Ion:330 Resp: 56507

Ion Ratio Lower Upper

330 100

332 95.9 78.6 117.8

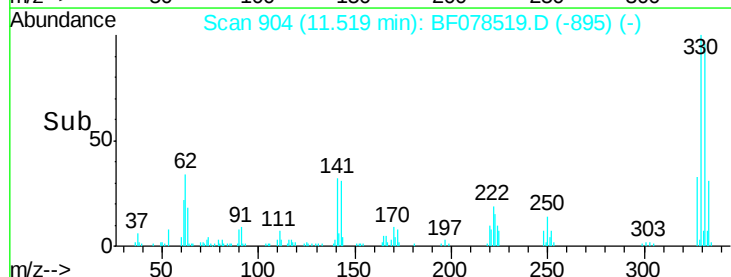
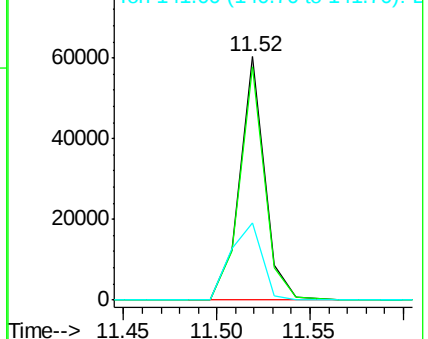
141 40.4 31.2 46.8



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

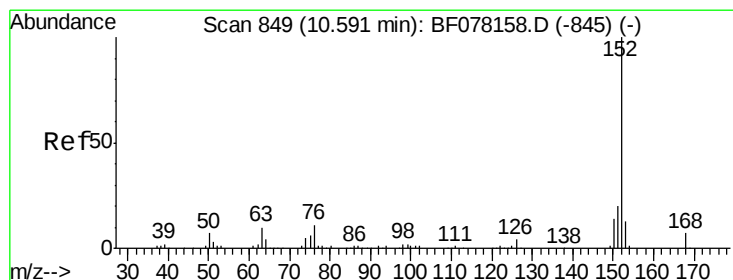
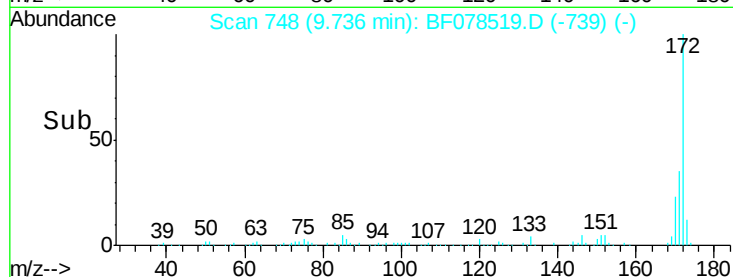
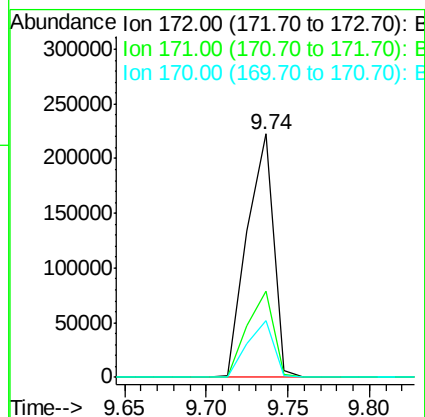
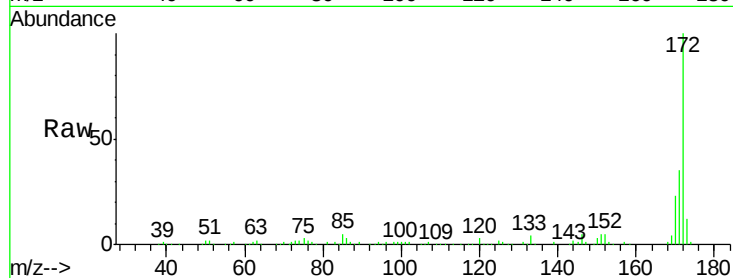




#44
 2-Fluorobiphenyl
 Concen: 81.35 ng
 RT: 9.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

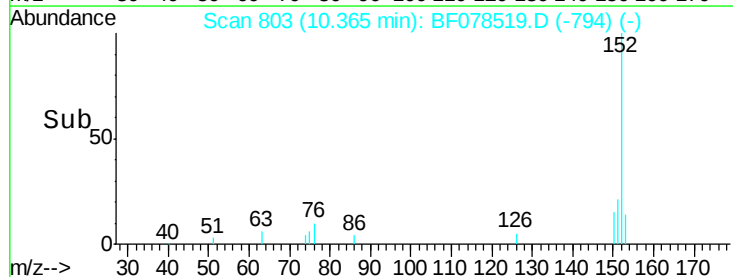
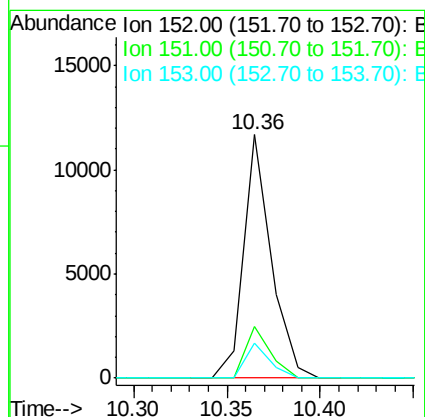
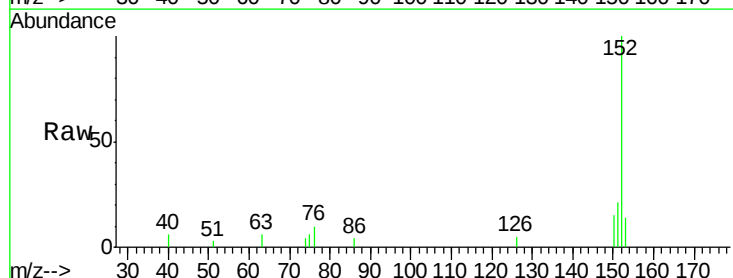
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB101

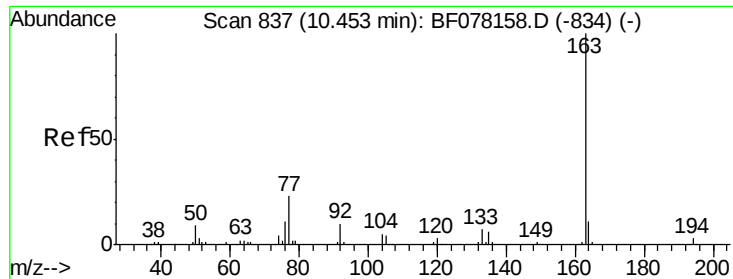
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	23.1	18.5	27.7



#48
 Acenaphthylene
 Concen: 2.63 ng
 RT: 10.36 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.7	23.5
153	14.2	10.2	15.2

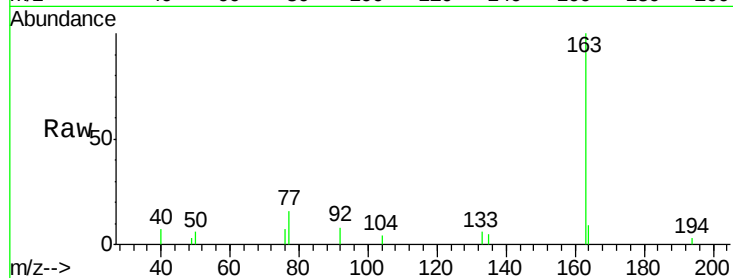




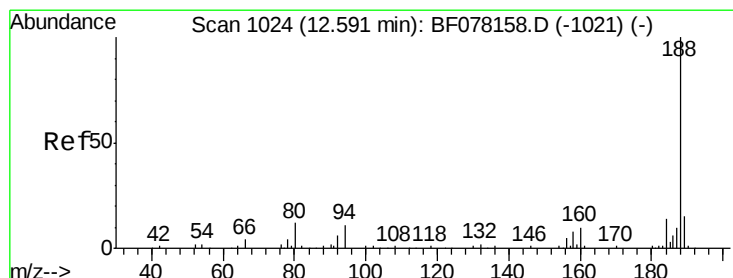
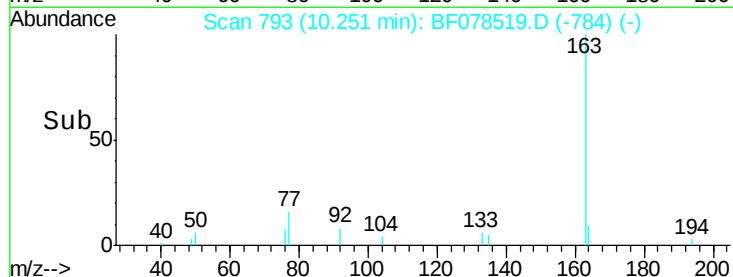
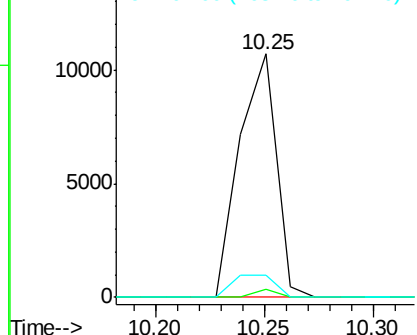
#49
Dimethylphthalate
Concen: 3.81 ng
RT: 10.25 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF078519.D
Acq: 15 Apr 2015 00:46

Instrument :
BNA_F
ClientSampleId :
HS-SB101

Tgt Ion:163 Resp: 12565
Ion Ratio Lower Upper
163 100
194 3.1 2.3 3.5
164 9.3 8.6 13.0

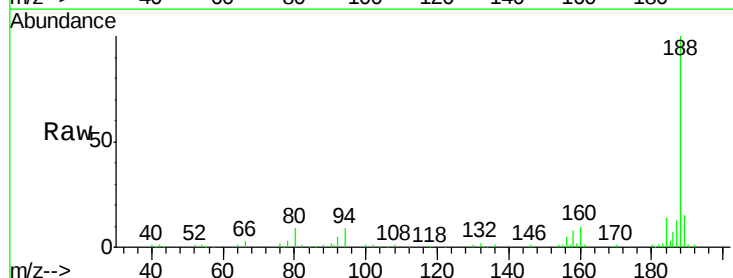


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

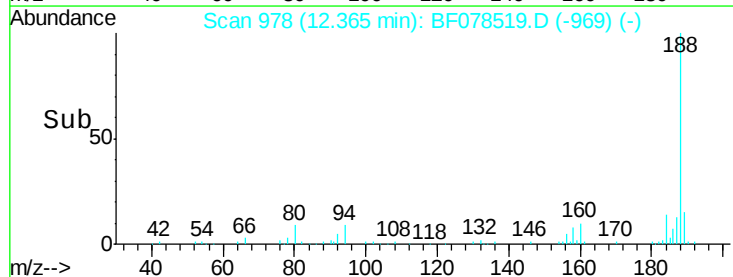
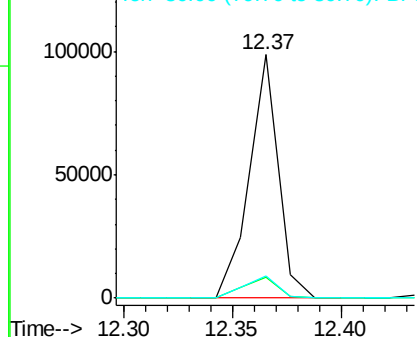


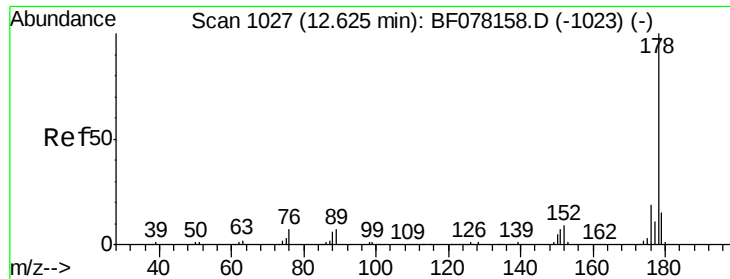
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 978
Delta R.T. -0.00 min
Lab File: BF078519.D
Acq: 15 Apr 2015 00:46

Tgt Ion:188 Resp: 91520
Ion Ratio Lower Upper
188 100
94 8.5 9.0 13.4#
80 9.2 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

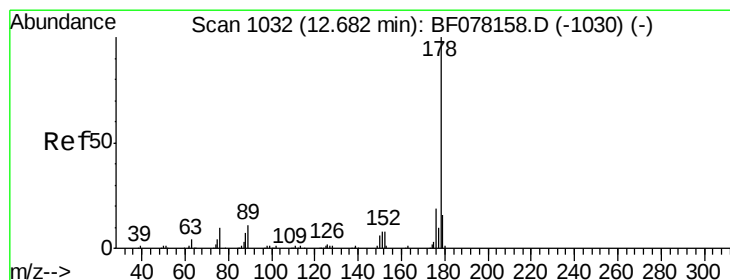
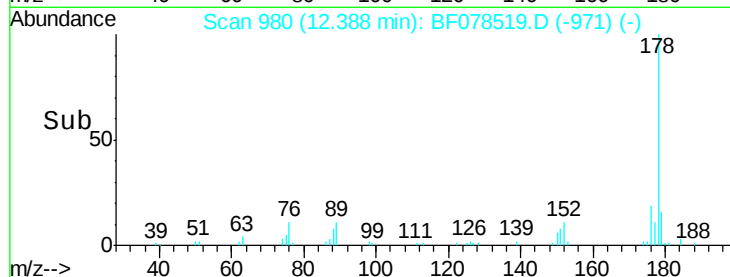
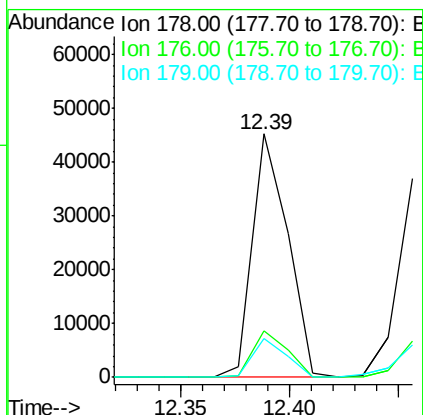
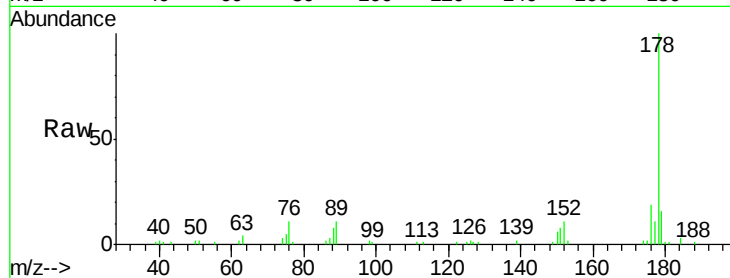




#70
 Phenanthrene
 Concen: 9.70 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

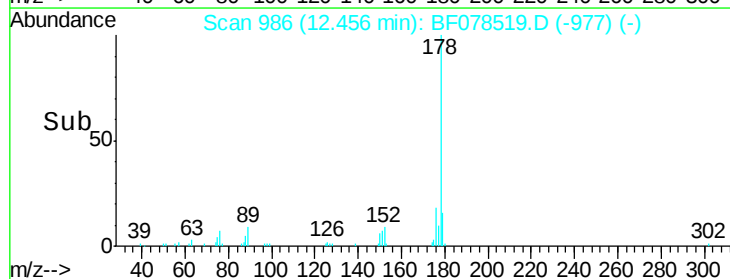
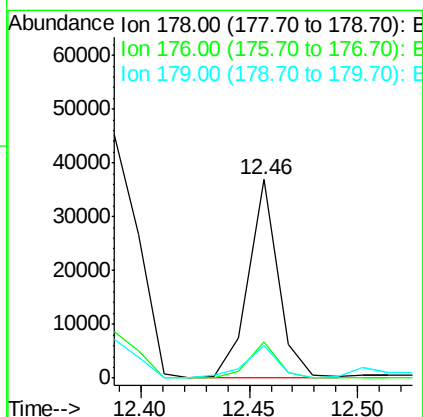
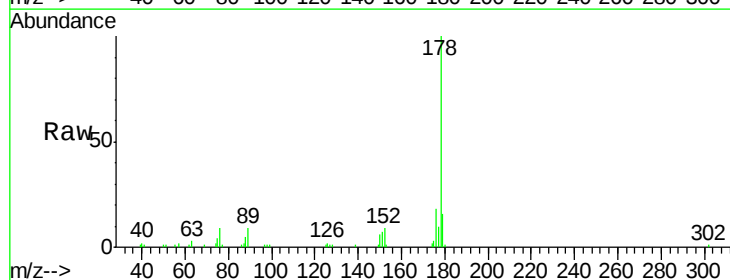
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB101

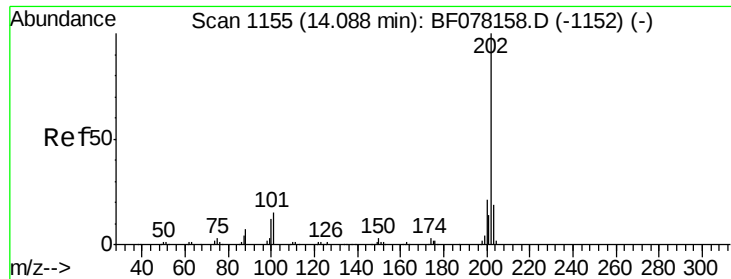
Tgt Ion:178 Resp: 51359
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 15.8 12.2 18.2



#71
 Anthracene
 Concen: 6.79 ng
 RT: 12.46 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

Tgt Ion:178 Resp: 35413
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 16.2 12.4 18.6





#74

Fluoranthene

Concen: 31.35 ng

RT: 13.85 min Scan# 1108

Delta R.T. -0.00 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

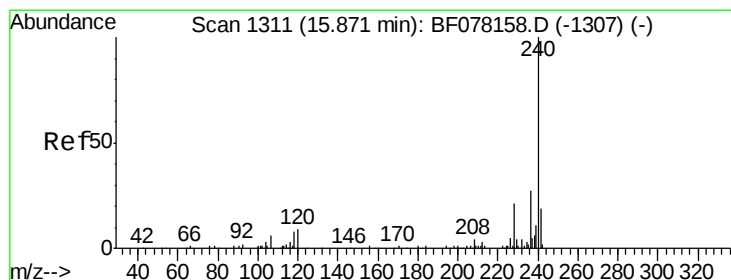
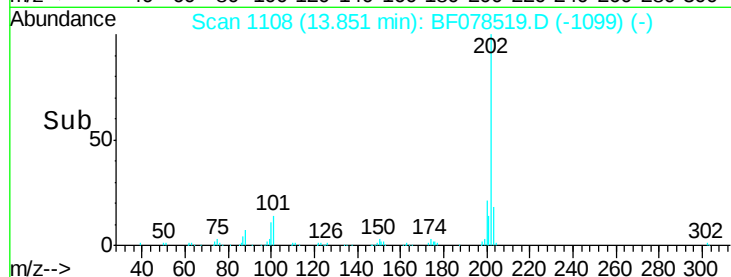
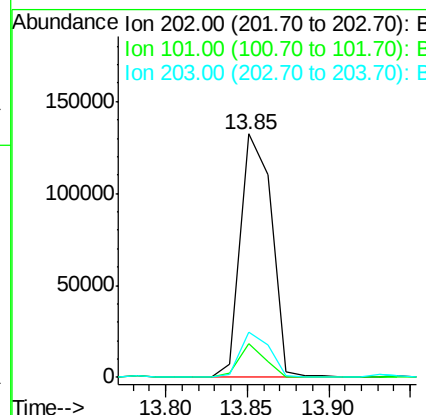
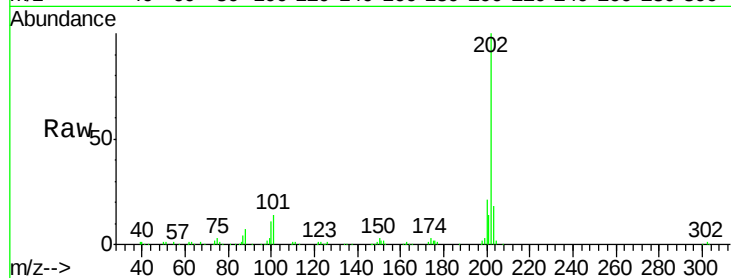
Instrument :

BNA_F

ClientSampleId :

HS-SB101

Tgt Ion:	202	Resp:	175027
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	35.2
203	18.5	0.0	38.5



#75

Chrysene-d12

Concen: 20.00 ng

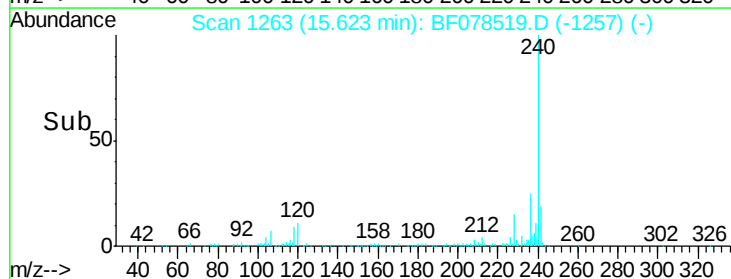
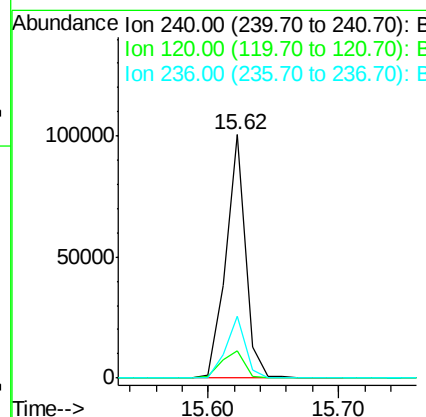
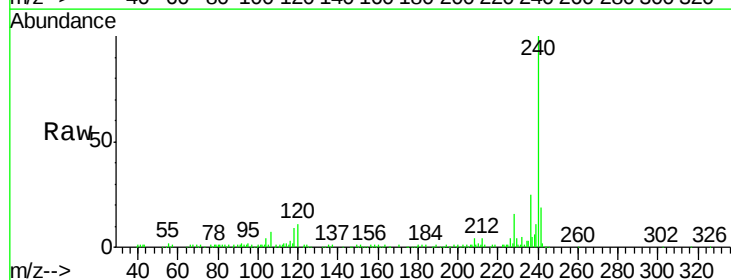
RT: 15.62 min Scan# 1263

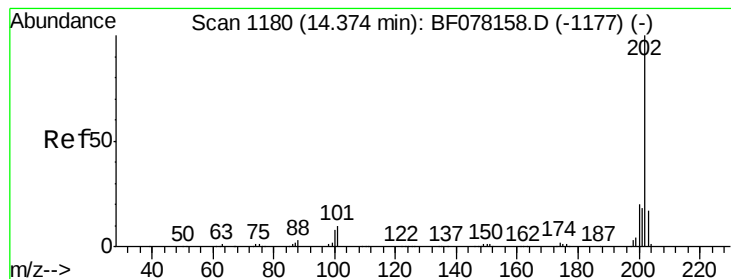
Delta R.T. -0.03 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

Tgt Ion:	240	Resp:	106095
Ion Ratio	Lower	Upper	
240	100		
120	11.0	7.1	10.7#
236	25.3	21.4	32.2





#77

Pyrene

Concen: 23.45 ng

RT: 14.13 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

Instrument :

BNA_F

ClientSampleId :

HS-SB101

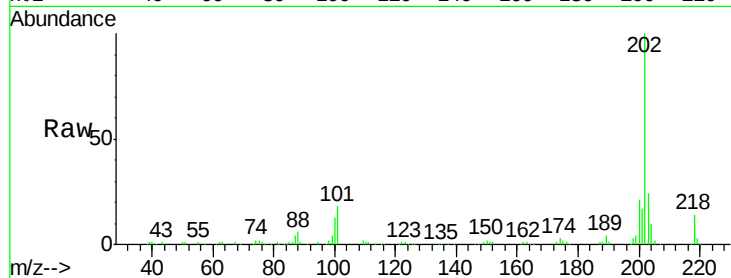
Tgt Ion:202 Resp: 156201

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

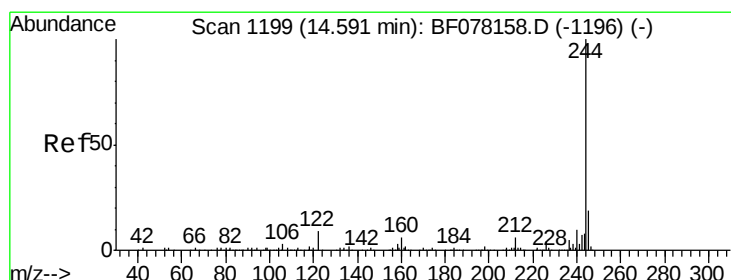
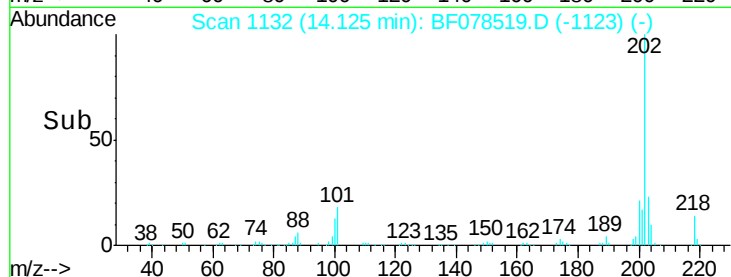
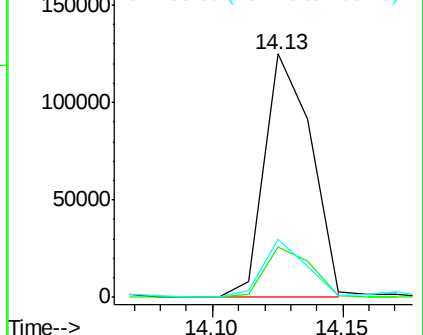
203 23.7 13.8 20.6#



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: 66.05 ng

RT: 14.35 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

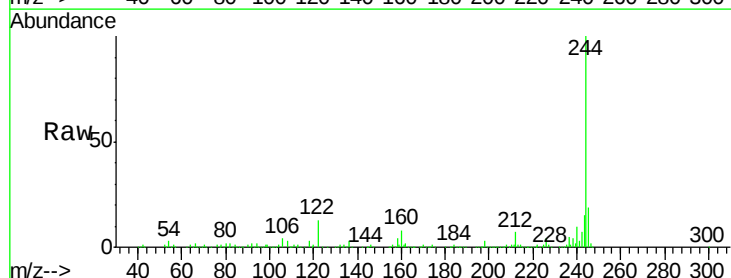
Tgt Ion:244 Resp: 310137

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

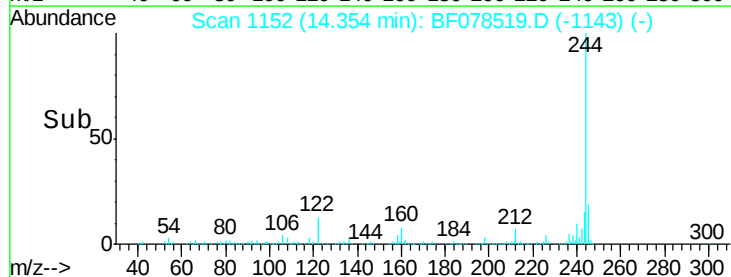
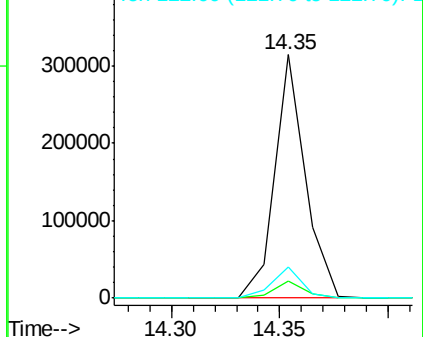
122 12.9 7.1 10.7#

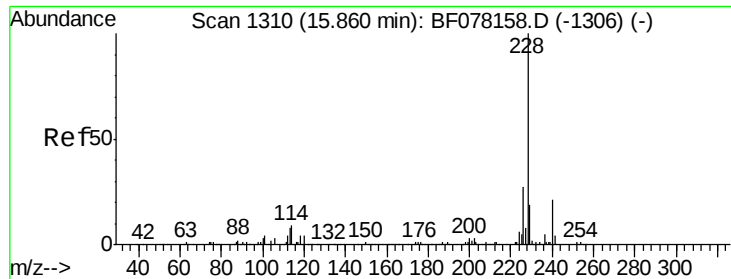


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 17.68 ng

RT: 15.61 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

Instrument :

BNA_F

ClientSampleId :

HS-SB101

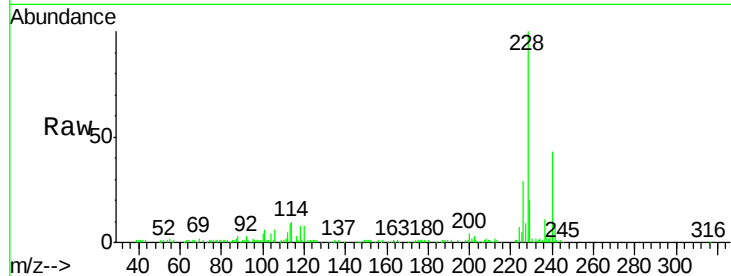
Tgt Ion:228 Resp: 111600

Ion Ratio Lower Upper

228 100

226 28.6 21.3 31.9

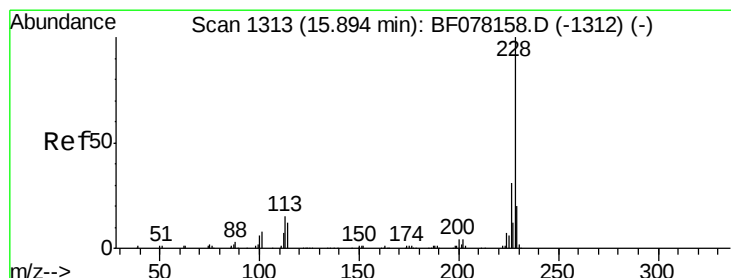
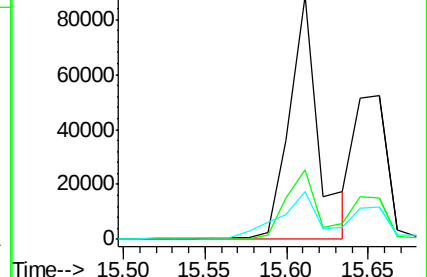
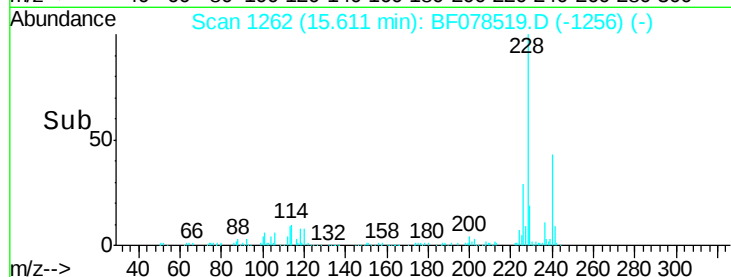
229 19.8 15.4 23.2



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: 12.45 ng

RT: 15.66 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

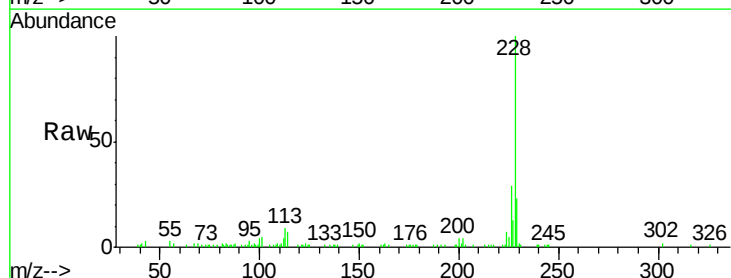
Tgt Ion:228 Resp: 73855

Ion Ratio Lower Upper

228 100

226 28.7 24.2 36.4

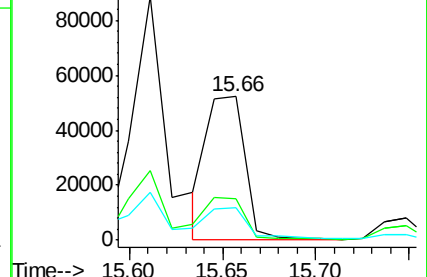
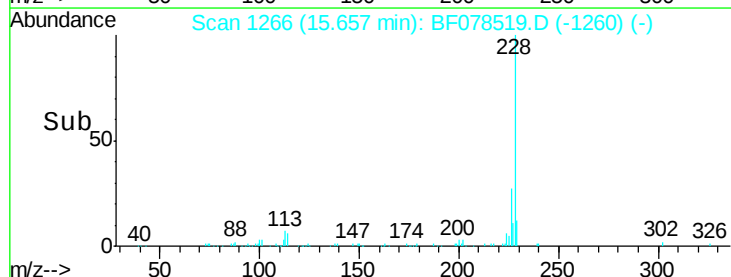
229 23.0 15.8 23.8

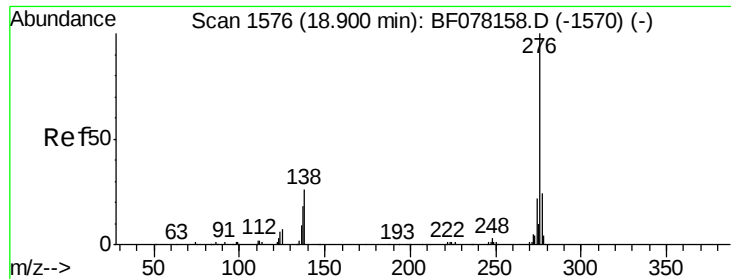


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

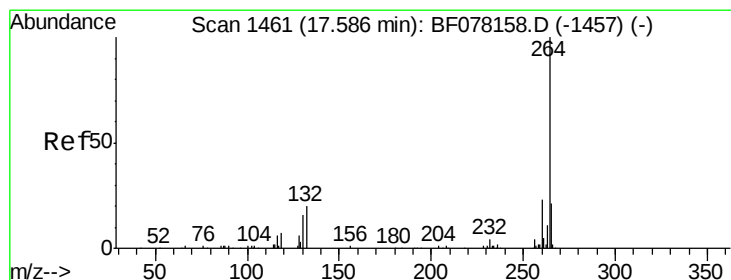
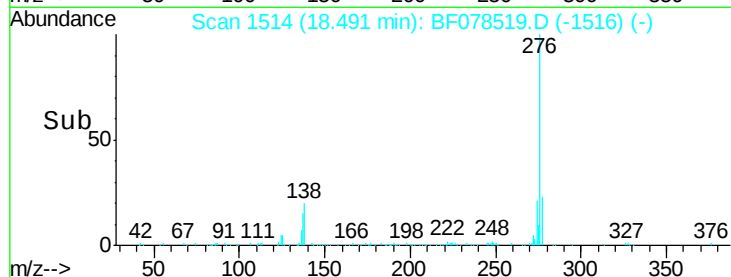
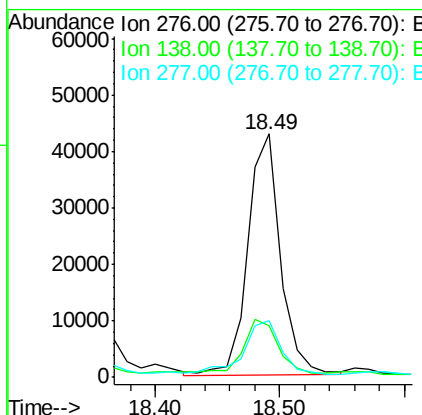
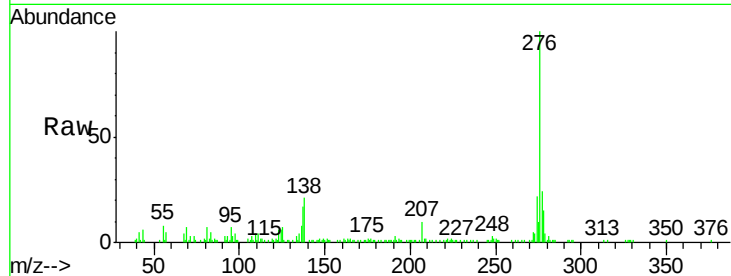




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.65 ng m
 RT: 18.49 min Scan# 1514
 Delta R.T. -0.32 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

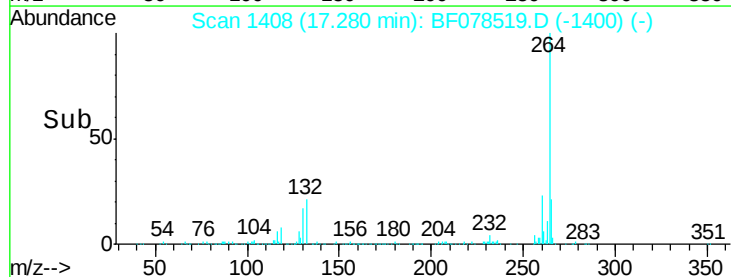
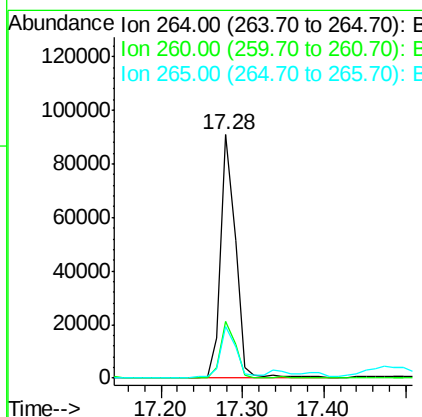
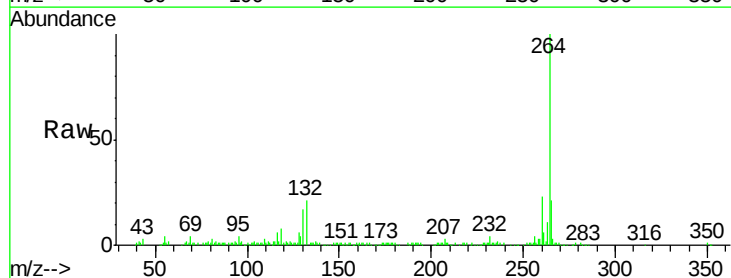
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB101

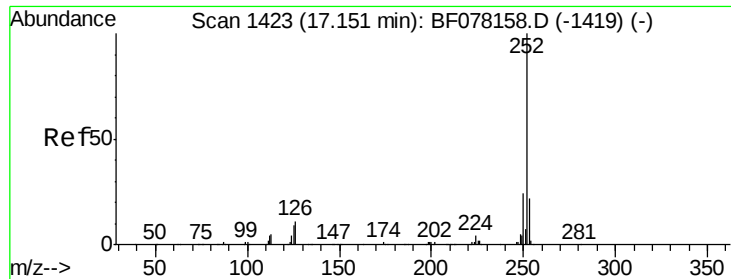
Tgt Ion: 276 Resp: 78421
 Ion Ratio Lower Upper
 276 100
 138 22.2 16.9 25.3
 277 22.8 15.8 23.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.28 min Scan# 1408
 Delta R.T. -0.21 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

Tgt Ion: 264 Resp: 115145
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 27.8
 265 21.3 17.0 25.6





#87

Benzo(b)fluoranthene

Concen: 19.37 ng m

RT: 16.87 min Scan# 1372

Delta R.T. -0.15 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

Instrument :

BNA_F

ClientSampleId :

HS-SB101

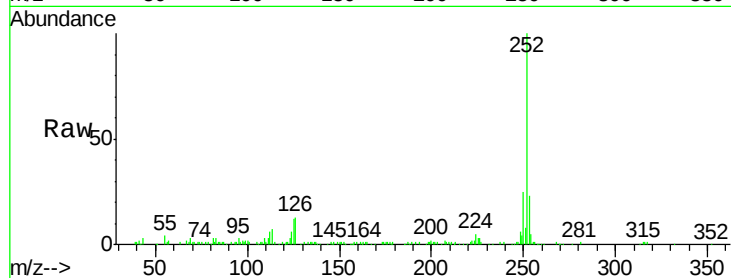
Tgt Ion:252 Resp: 137830

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

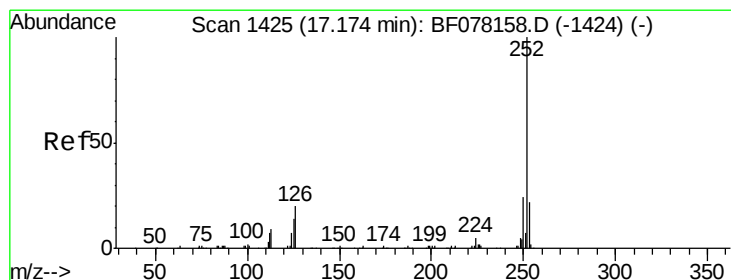
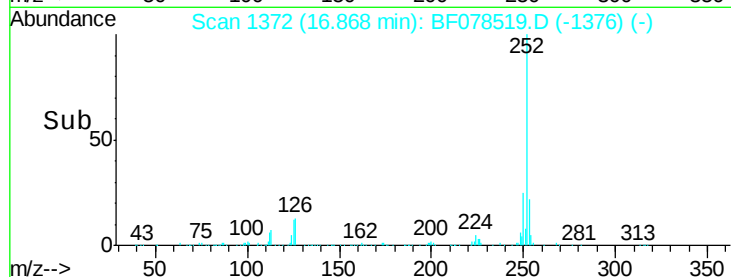
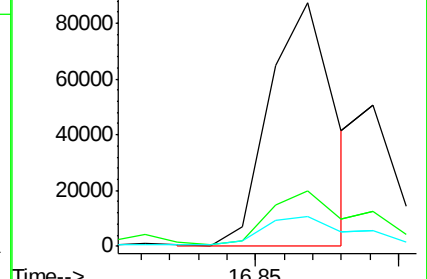
125 12.4 7.0 10.4#



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: 7.39 ng m

RT: 16.89 min Scan# 1374

Delta R.T. -0.16 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

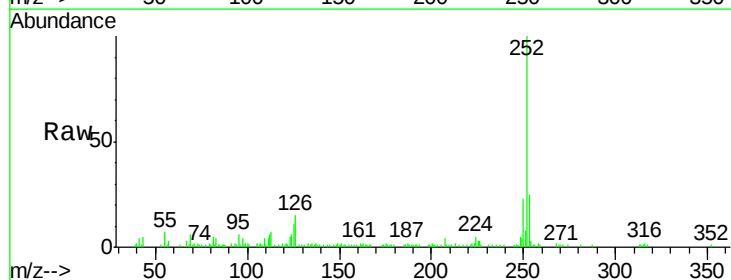
Tgt Ion:252 Resp: 46729

Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

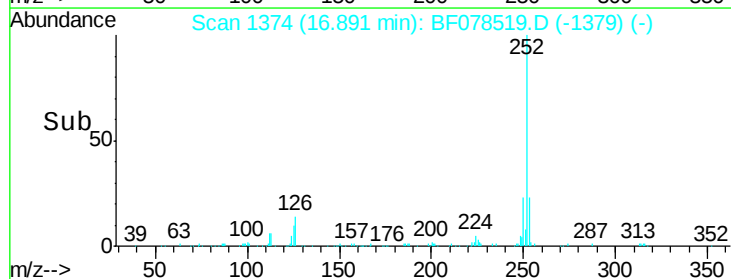
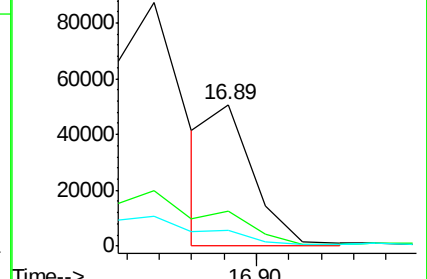
125 11.5 11.6 17.4#

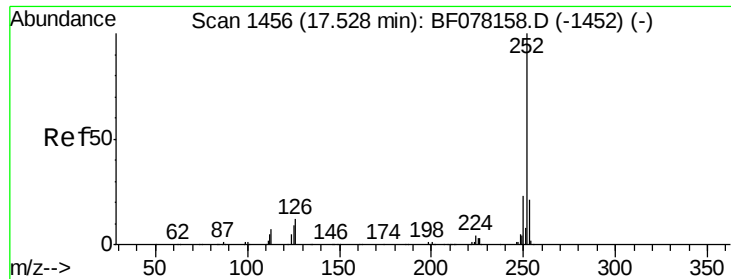


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 17.65 ng

RT: 17.22 min Scan# 1403

Delta R.T. -0.19 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

Instrument :

BNA_F

ClientSampleId :

HS-SB101

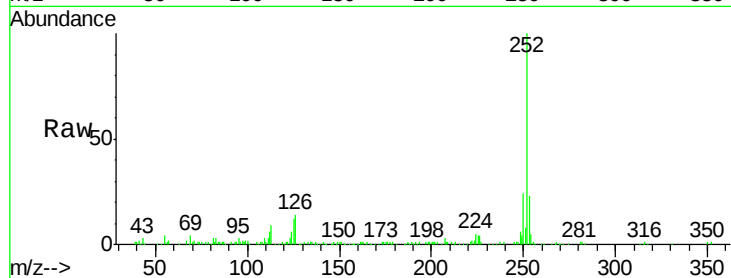
Tgt Ion:252 Resp: 109640

Ion Ratio Lower Upper

252 100

253 22.7 16.8 25.2

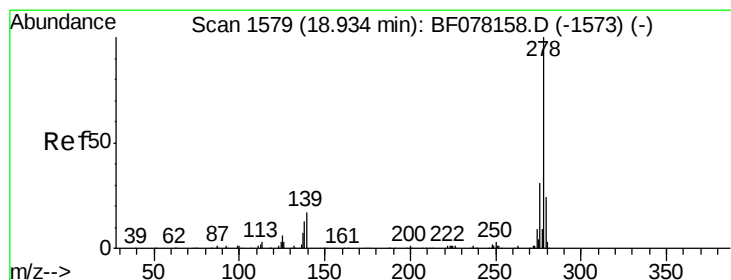
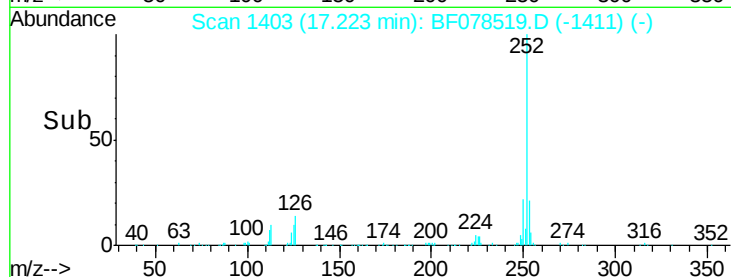
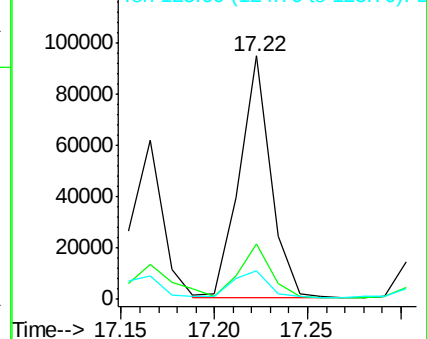
125 11.7 7.4 11.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.94 ng m

RT: 18.50 min Scan# 1515

Delta R.T. -0.33 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

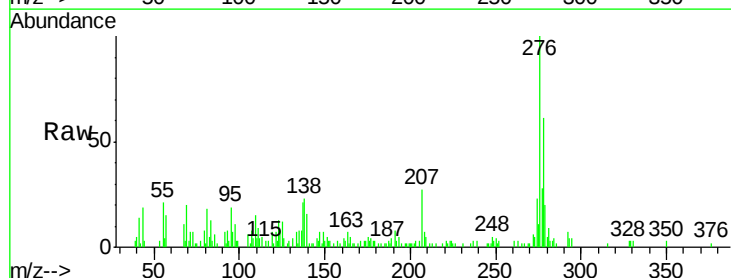
Tgt Ion:278 Resp: 18299

Ion Ratio Lower Upper

278 100

139 26.5 13.6 20.4#

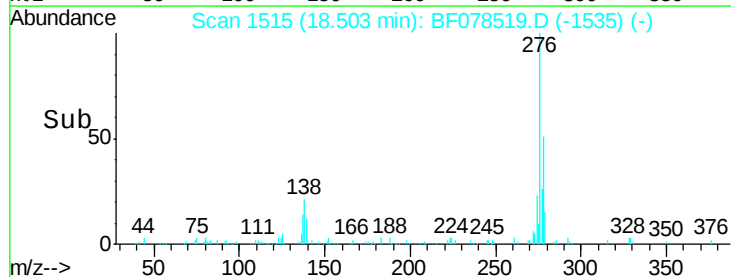
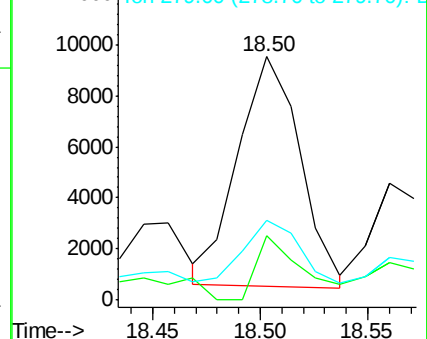
279 32.8 19.0 28.6#

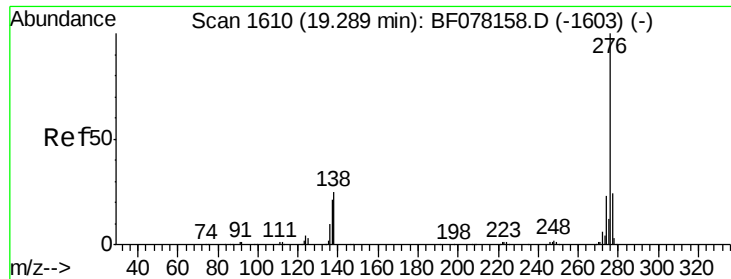


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 11.99 ng m

RT: 18.83 min Scan# 1544

Delta R.T. -0.32 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

Instrument :

BNA_F

ClientSampleId :

HS-SB101

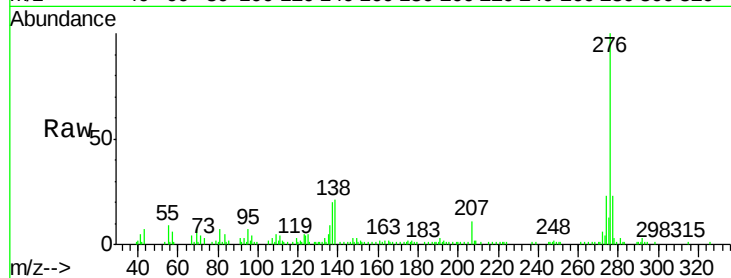
Tgt Ion:276 Resp: 74739

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.4

138 21.1 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

