

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 01:27:50 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

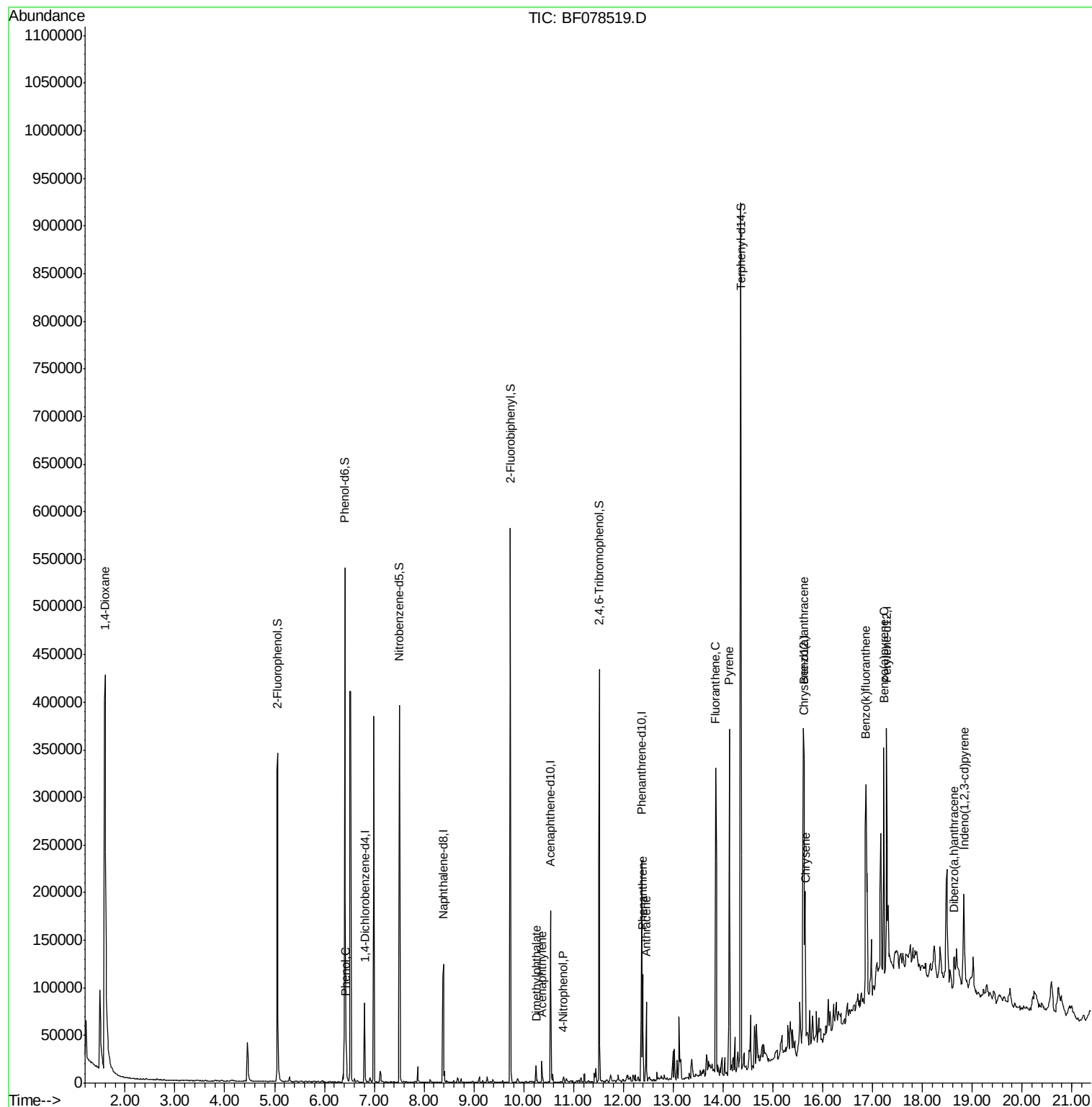
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	20153	20.00	ng	0.01
21) Naphthalene-d8	8.39	136	85738	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	43891	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	91520	20.00	ng	0.00
75) Chrysene-d12	15.62	240	106095	20.00	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
2) 1,4-Dioxane	1.60	88	22659	41.00	ng	# 23
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
55) 4-Nitrophenol	10.80	139	1038	4.53	ng	# 18
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	18.83	276	71247	10.59	ng	# 91
88) Benzo(k)fluoranthene	16.87	252	180713	28.58	ng	97
89) Benzo(a)pyrene	17.22	252	109640	17.65	ng	# 95
90) Dibenzo(a,h)anthracene	18.64	278	18569	2.99	ng	99

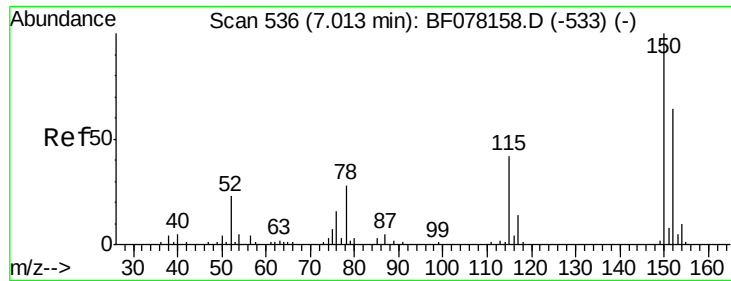
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 01:27:50 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



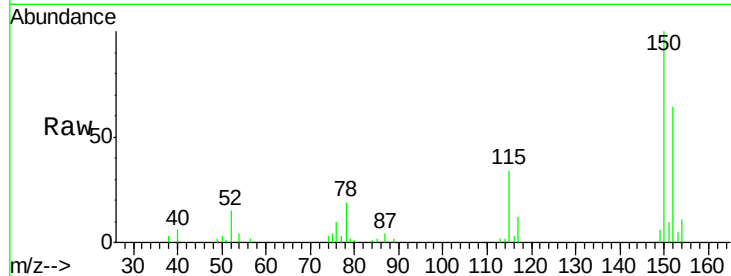


#1

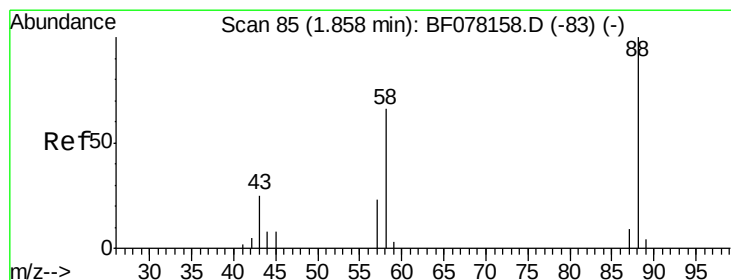
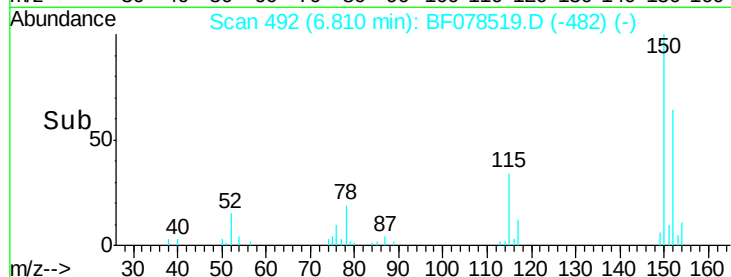
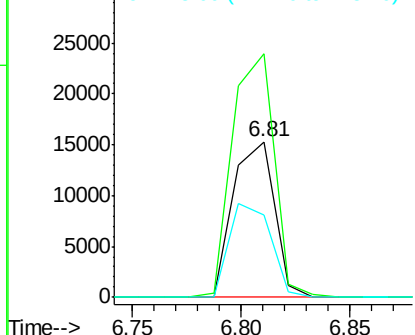
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 492
Delta R.T. 0.01 min
Lab File: BF078519.D
Acq: 15 Apr 2015 00:46

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



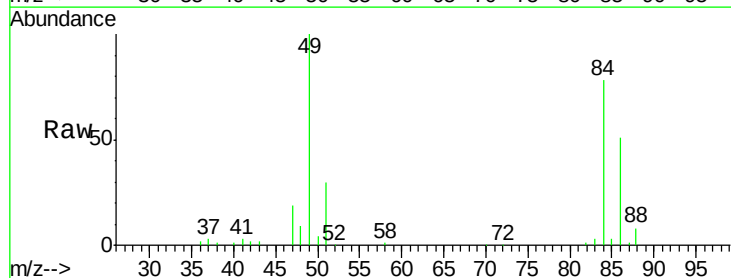
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



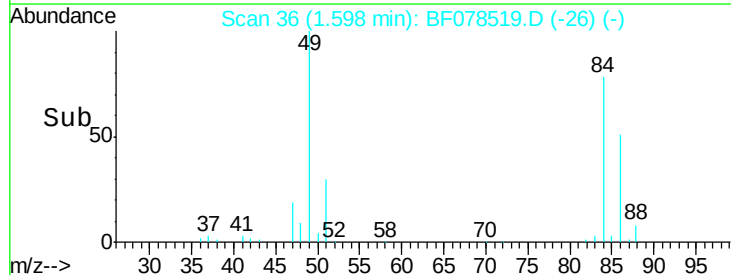
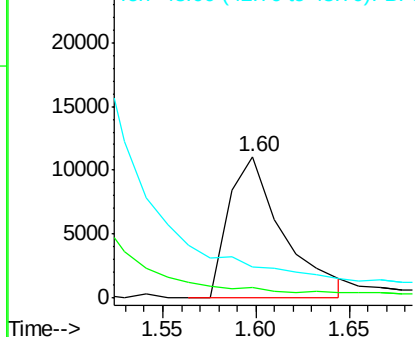
#2

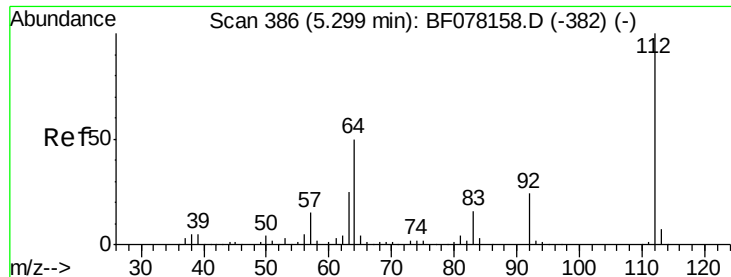
1,4-Dioxane
Concen: 41.00 ng
RT: 1.60 min Scan# 36
Delta R.T. 0.01 min
Lab File: BF078519.D
Acq: 15 Apr 2015 00:46

Tgt Ion: 88 Resp: 22659
Ion Ratio Lower Upper
88 100
58 0.0 56.9 85.3#
43 0.0 21.4 32.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#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

Instrument :

BNA_F

ClientSampled :

HS-SB101

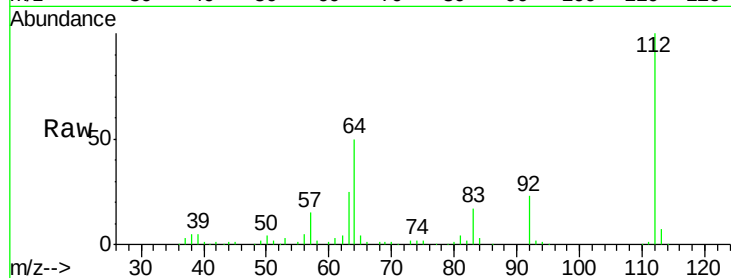
Tgt Ion: 112 Resp: 162442

Ion Ratio Lower Upper

112 100

64 50.2 39.9 59.9

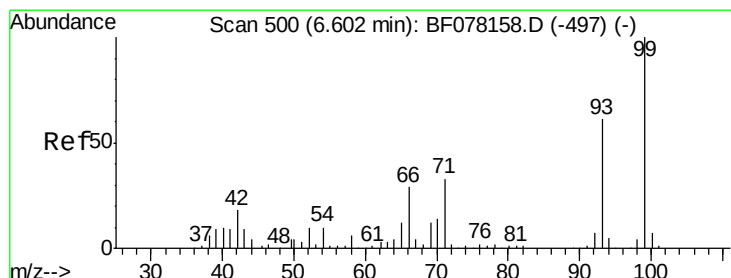
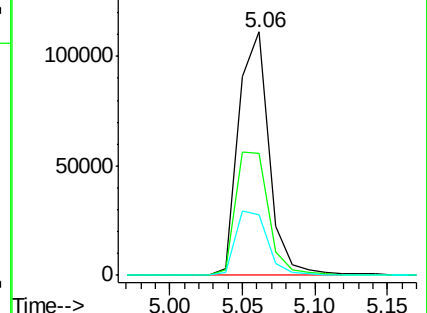
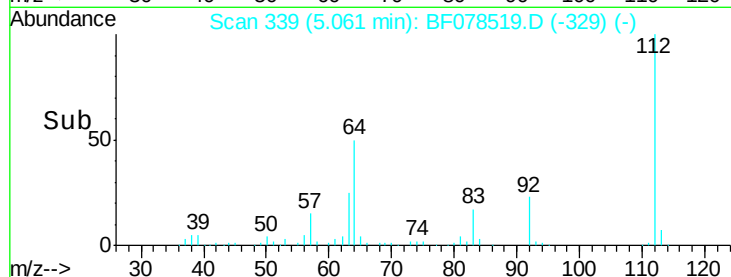
63 25.1 20.2 30.4



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

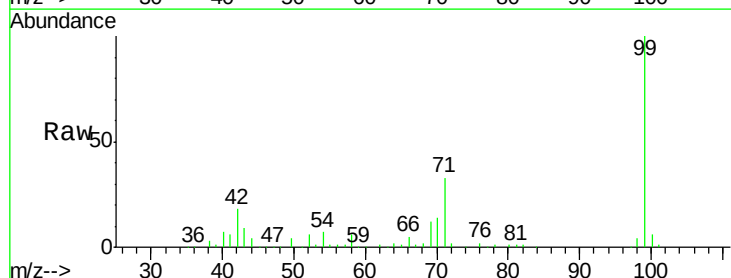
Tgt Ion: 99 Resp: 215356

Ion Ratio Lower Upper

99 100

42 17.6 14.8 22.2

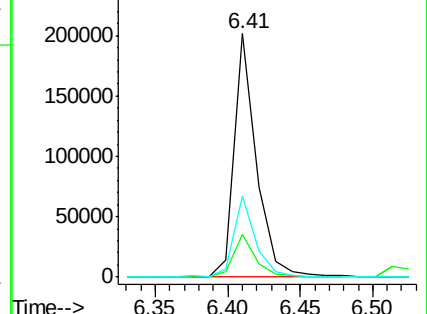
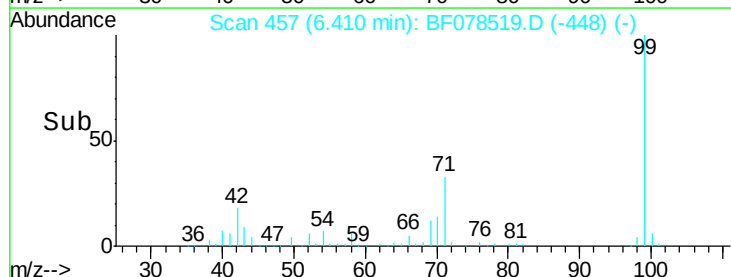
71 33.2 26.6 39.8

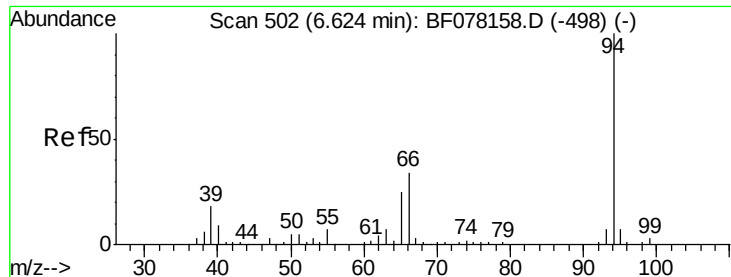


Abundance Ion 99.00 (98.70 to 99.70): BF0

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

Instrument :

BNA_F

ClientSampleId :

HS-SB101

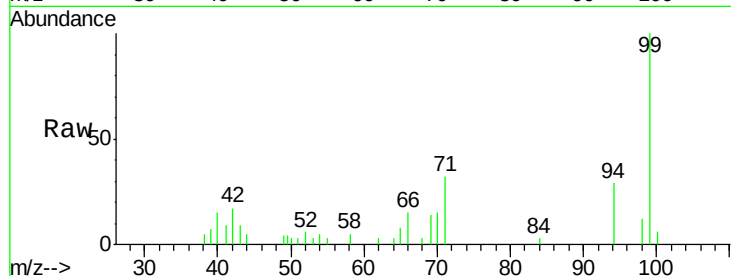
Tgt Ion: 94 Resp: 5256

Ion Ratio Lower Upper

94 100

65 28.7 4.9 44.9

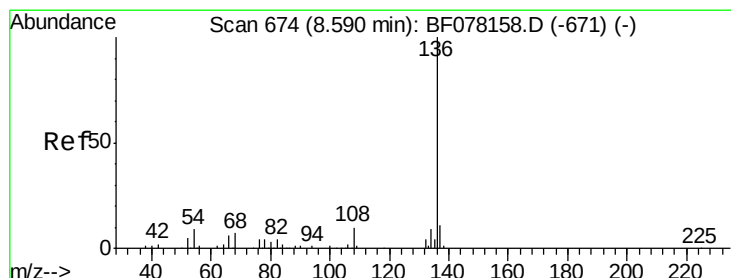
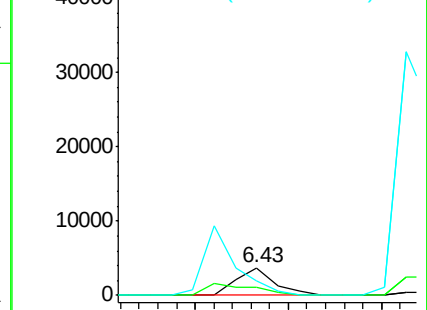
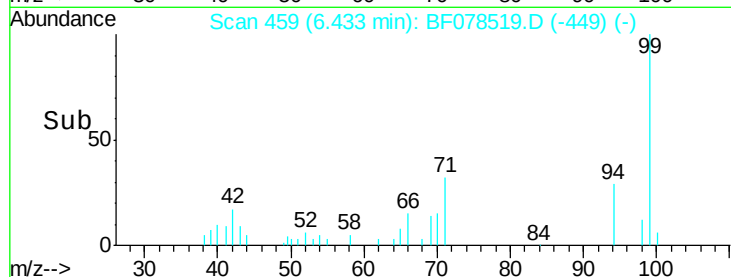
66 50.9 13.8 53.8



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

Tgt Ion: 136 Resp: 85738

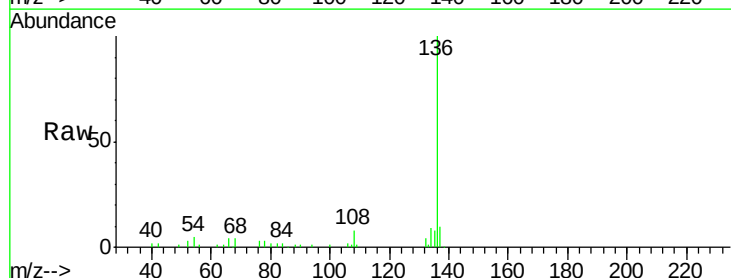
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 5.4 7.0 10.6#

68 4.4 5.4 8.2#

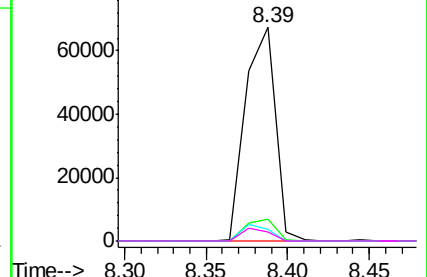
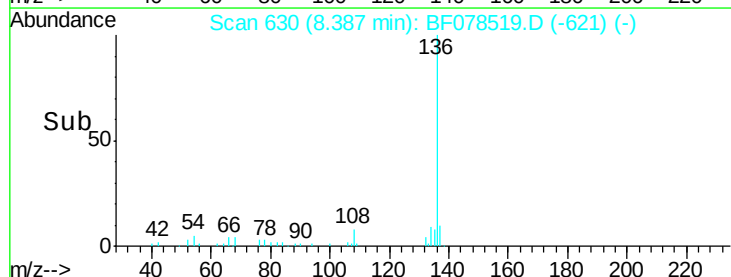


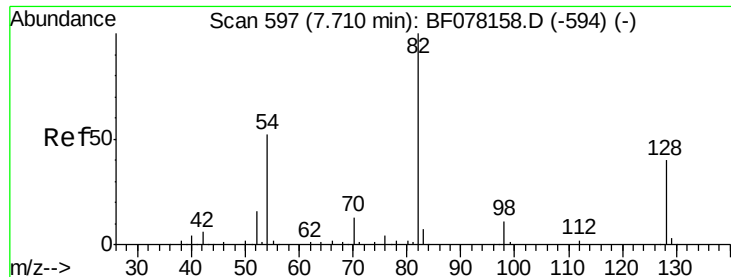
Abundance Ion 136.00 (135.70 to 136.70): E

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

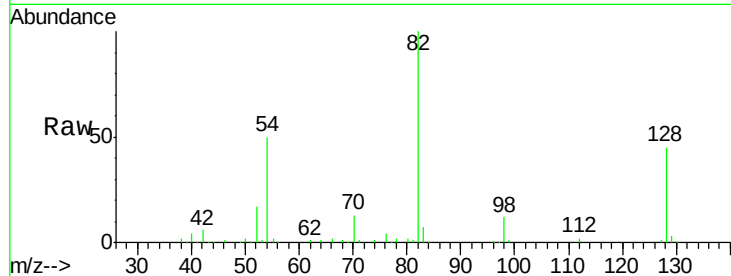




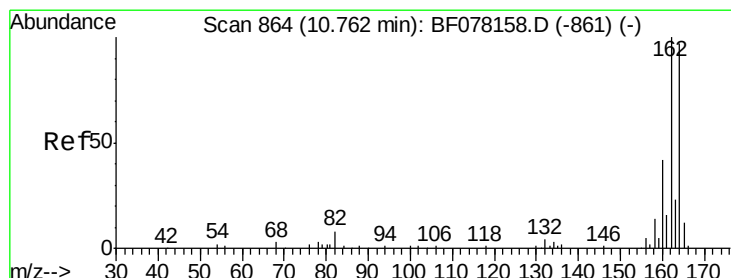
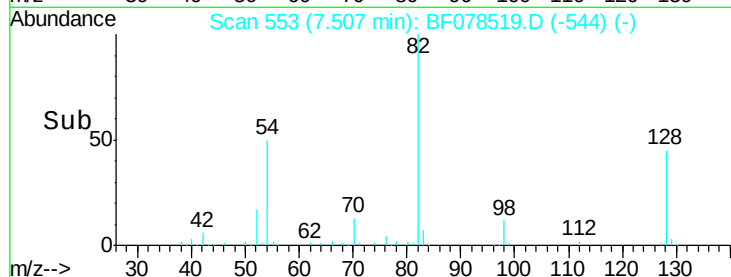
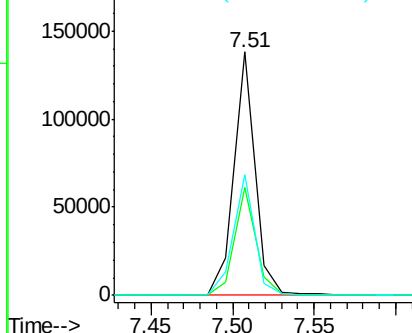
#23
 Nitrobenzene-d5
 Concen: 87.62 ng
 RT: 7.51 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

Instrument :
 BNA_F
 ClientSampled :
 HS-SB101

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

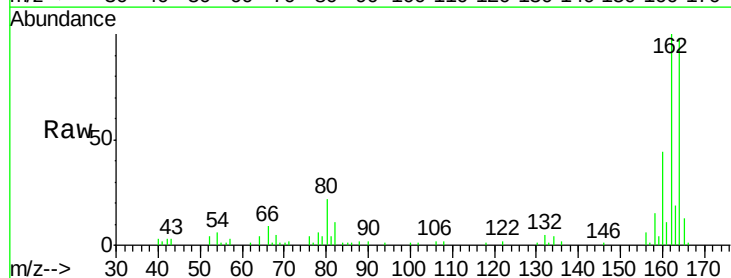


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

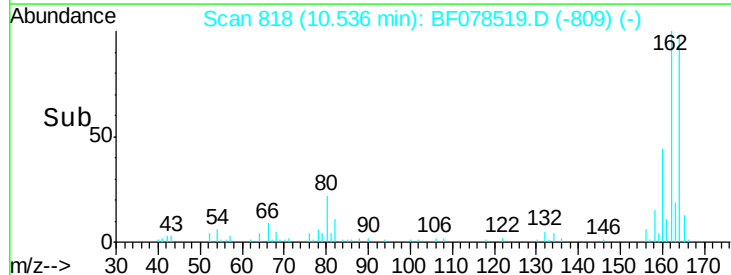
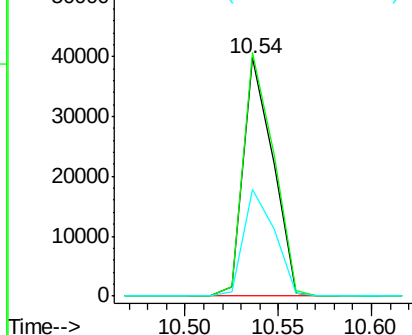


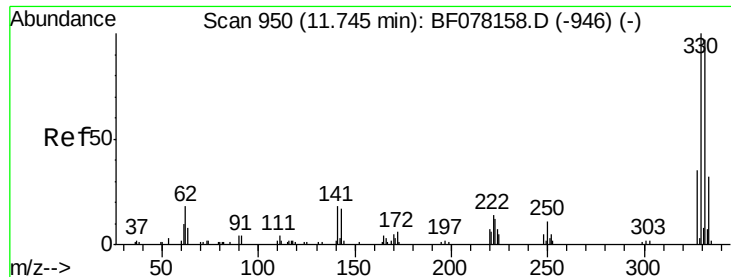
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.54 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

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

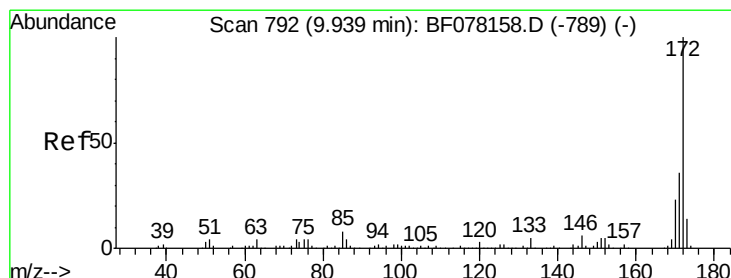
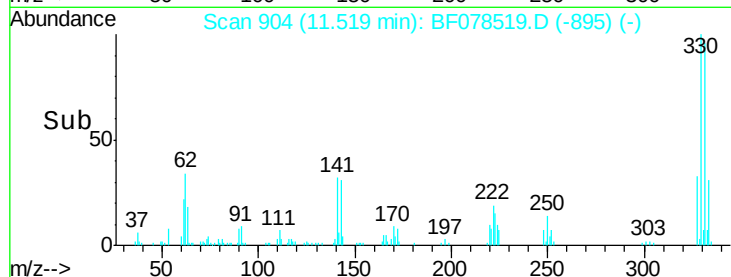
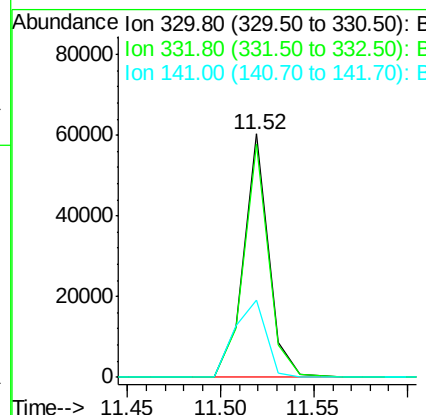
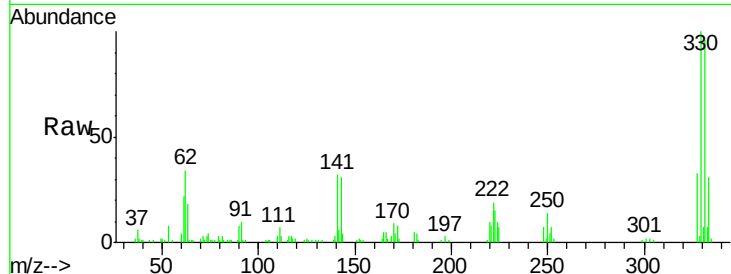




#41
 2,4,6-Tribromophenol
 Concen: 155.23 ng
 RT: 11.52 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

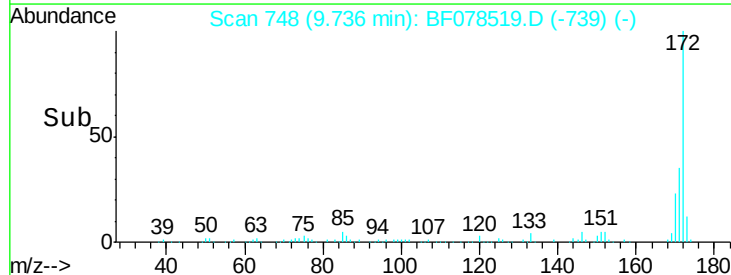
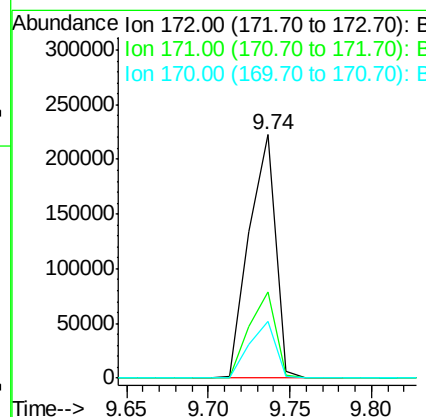
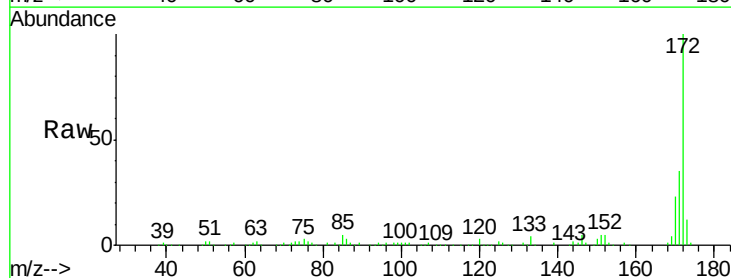
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB101

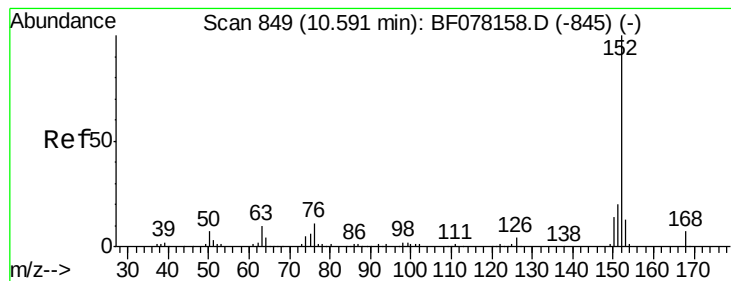
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.6	117.8
141	40.4	31.2	46.8



#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

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

Instrument :

BNA_F

ClientSampleId :

HS-SB101

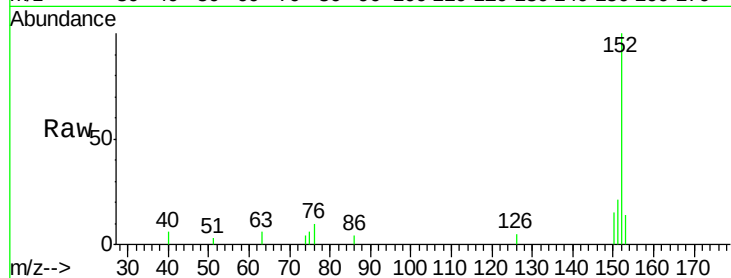
Tgt Ion:152 Resp: 12002

Ion Ratio Lower Upper

152 100

151 21.2 15.7 23.5

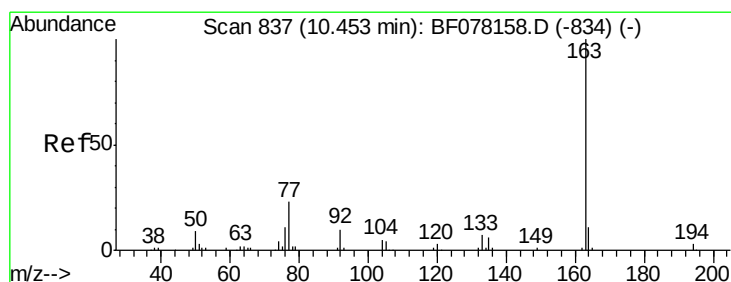
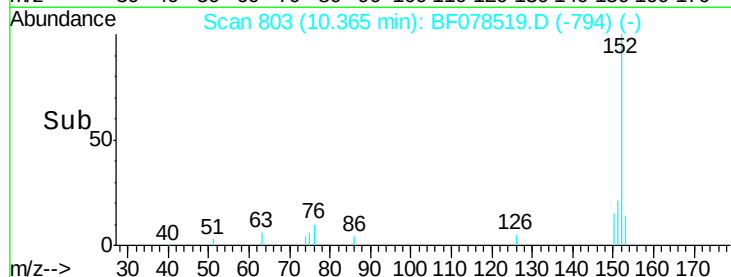
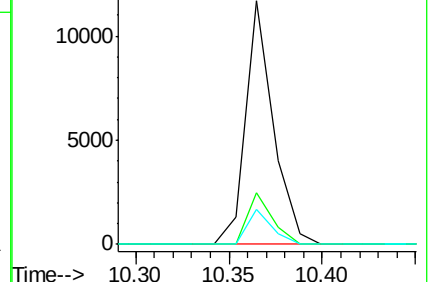
153 14.2 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#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

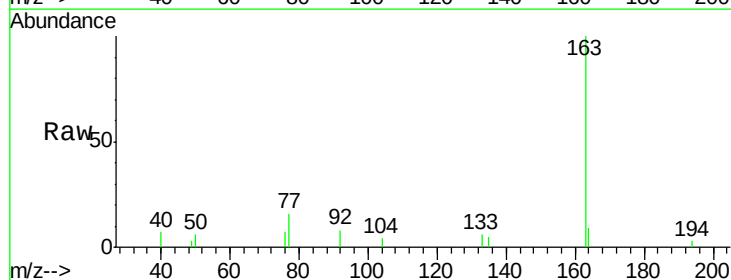
Tgt Ion:163 Resp: 12565

Ion Ratio Lower Upper

163 100

194 3.1 2.3 3.5

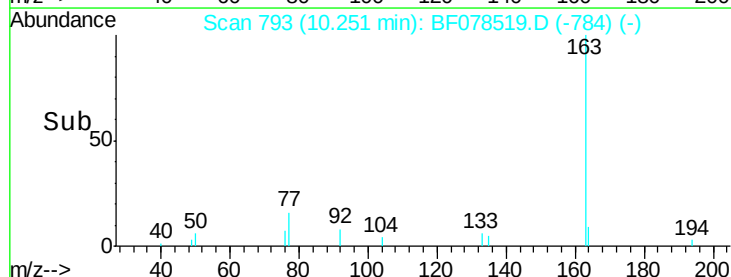
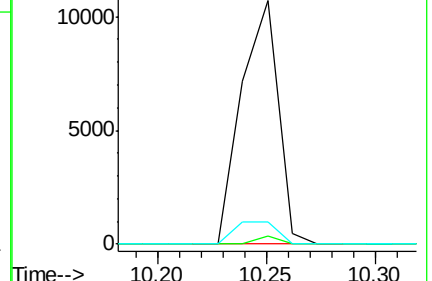
164 9.3 8.6 13.0

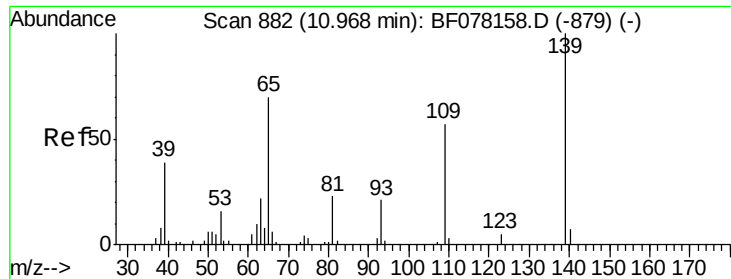


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

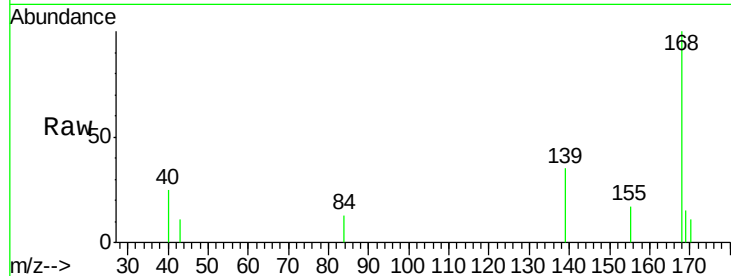




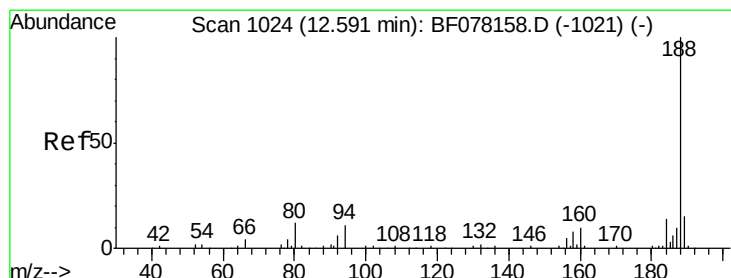
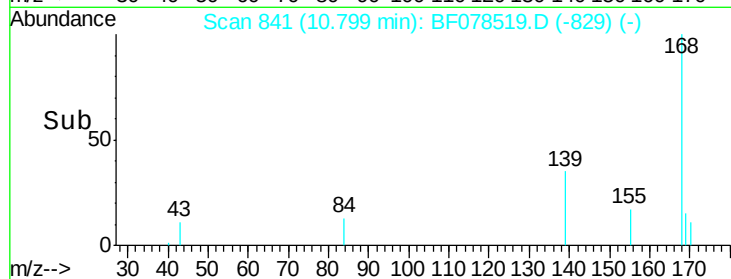
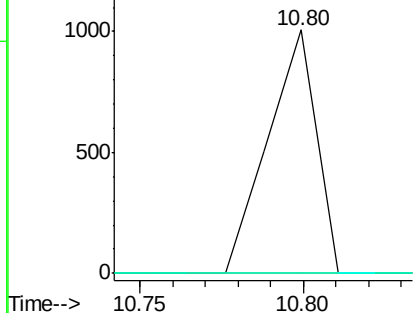
#55
 4-Nitrophenol
 Concen: 4.53 ng
 RT: 10.80 min Scan# 841
 Delta R.T. 0.03 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB101

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

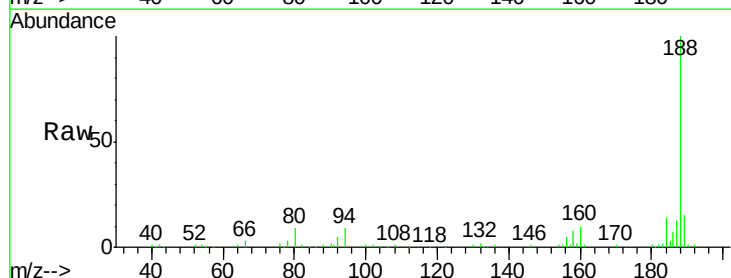


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

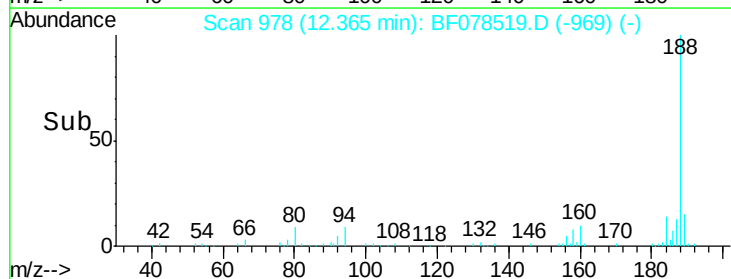
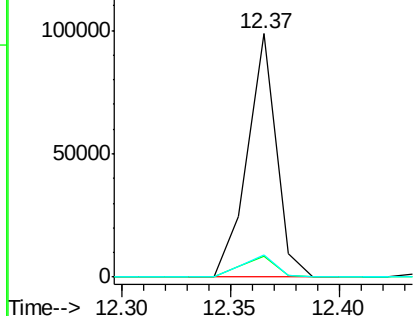


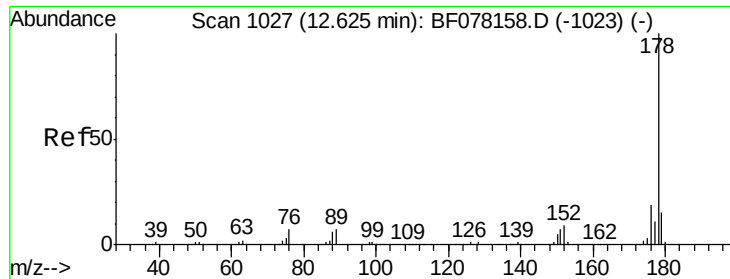
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.37 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

Tgt 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

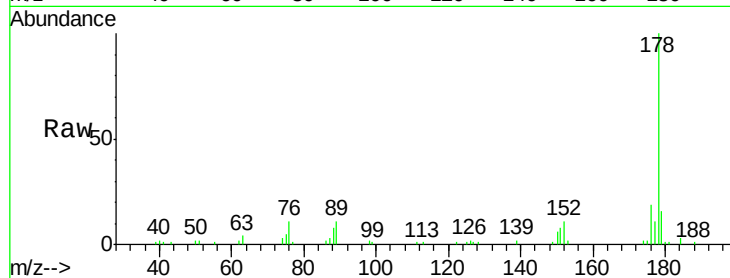




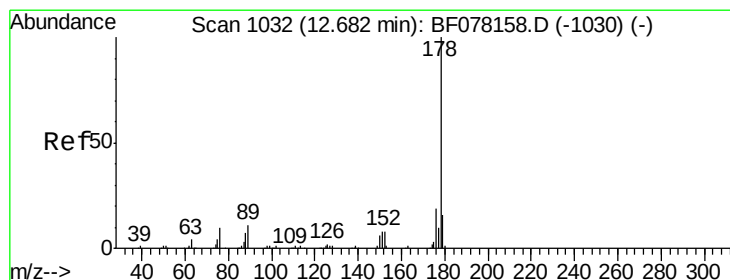
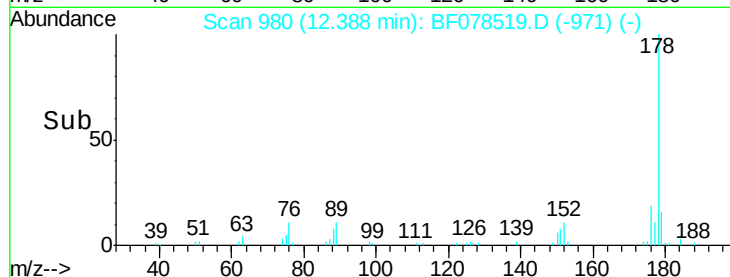
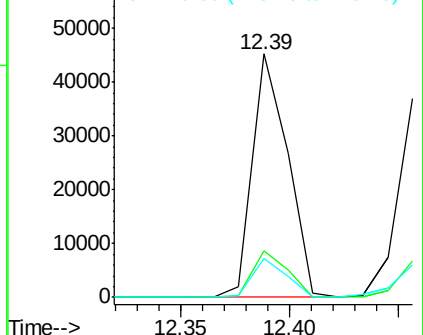
#70
 Phenanthrene
 Concen: 9.70 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

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

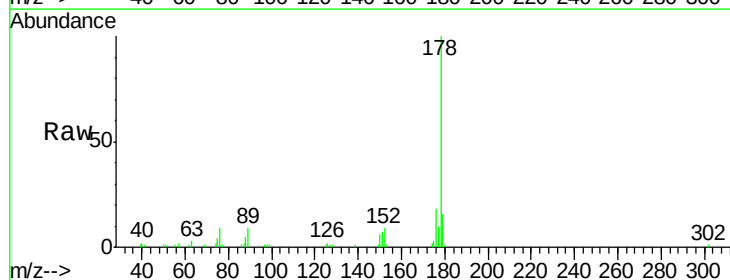


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

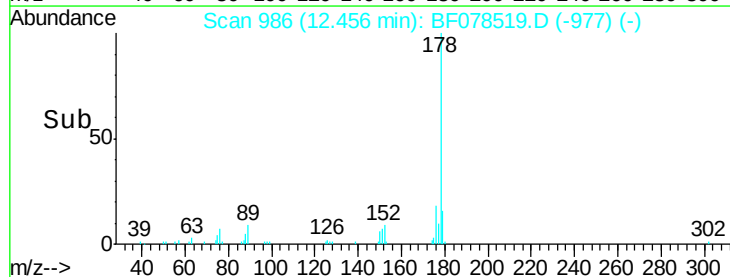
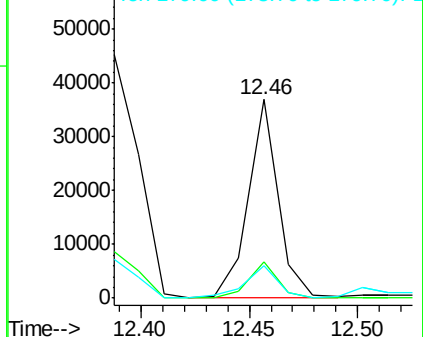


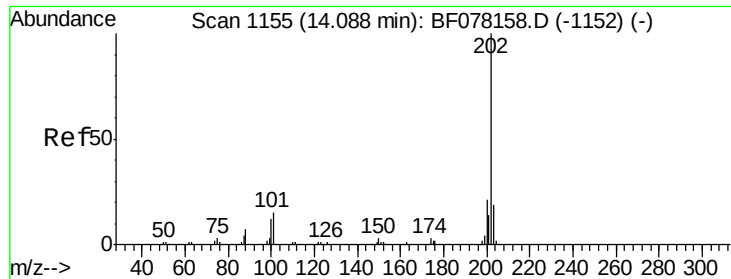
#71
 Anthracene
 Concen: 6.79 ng
 RT: 12.46 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BF078519.D
 Acq: 15 Apr 2015 00:46

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



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

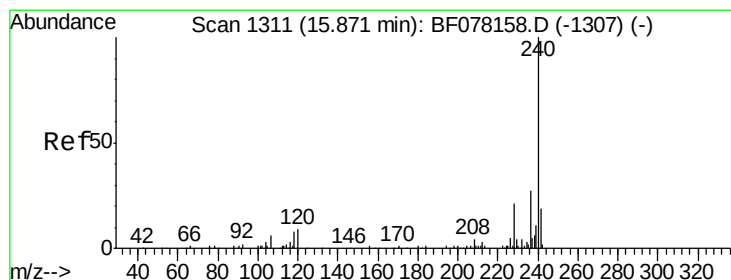
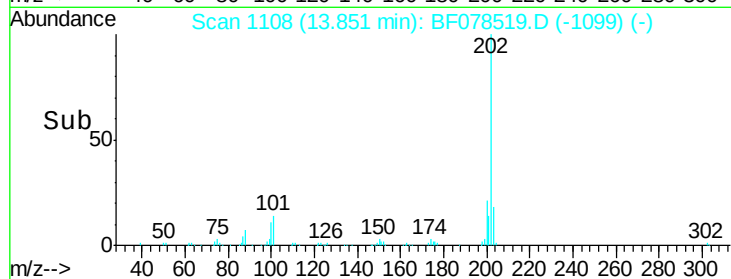
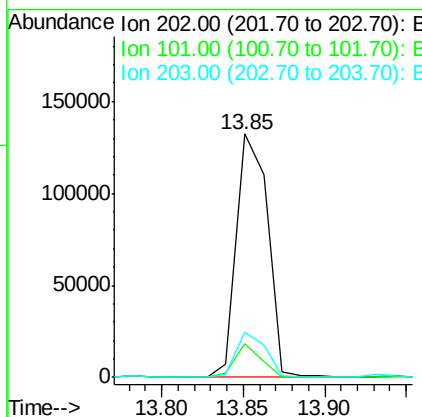
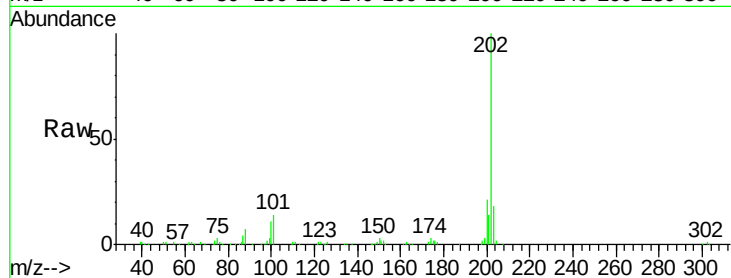




#74
Fluoranthene
Concen: 31.35 ng
RT: 13.85 min Scan# 1108
Delta R.T. -0.00 min
Lab File: BF078519.D
Acq: 15 Apr 2015 00:46

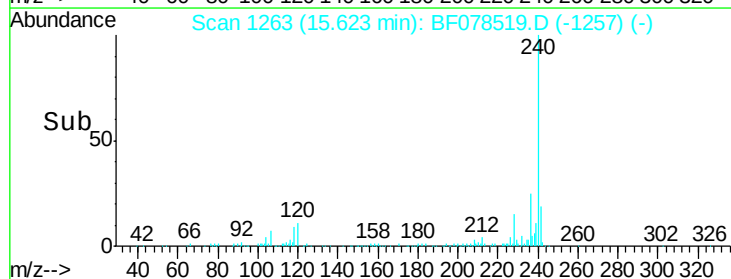
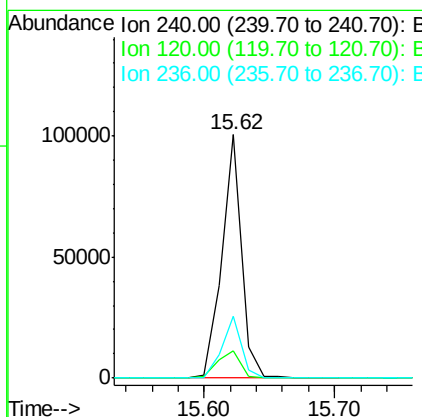
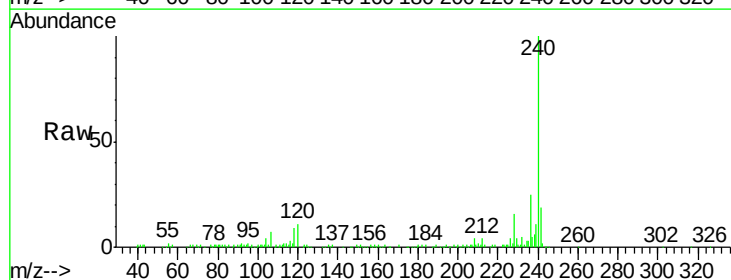
Instrument :
BNA_F
ClientSampleId :
HS-SB101

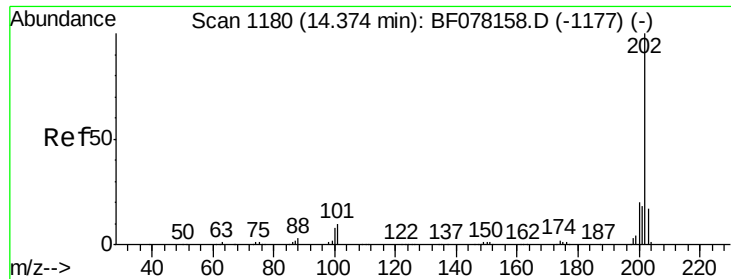
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	35.2
203	18.5	0.0	38.5



#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	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

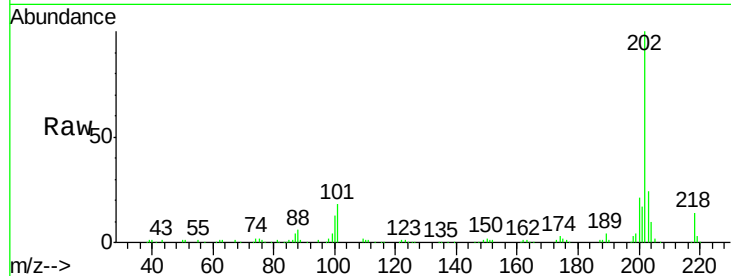
Tgt Ion:202 Resp: 156201

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

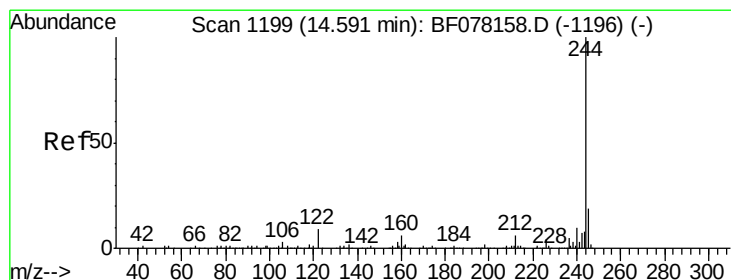
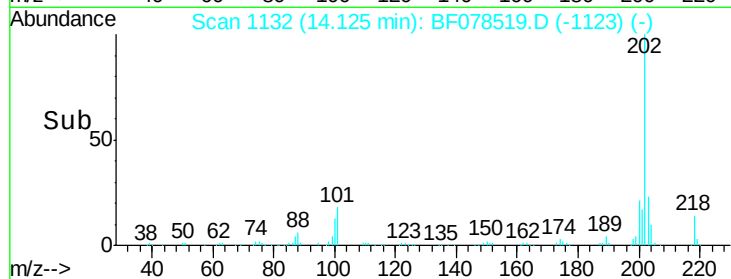
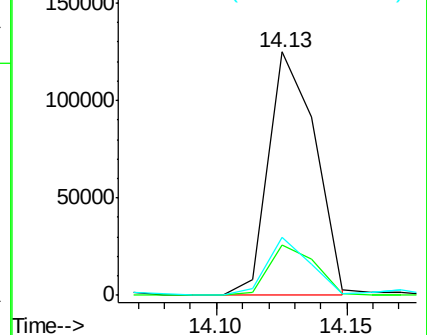
203 23.7 13.8 20.6#



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

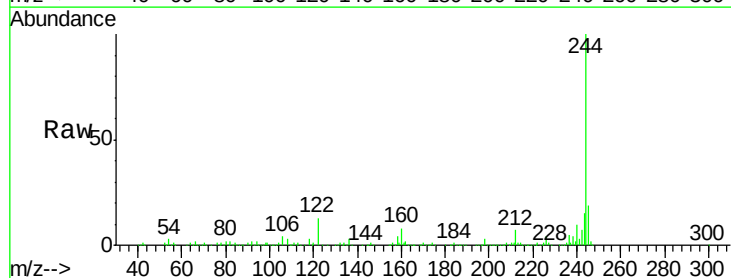
Tgt Ion:244 Resp: 310137

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

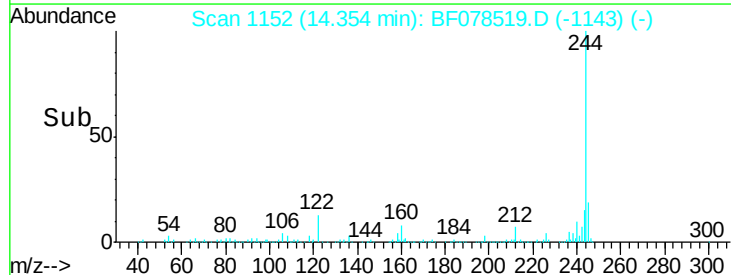
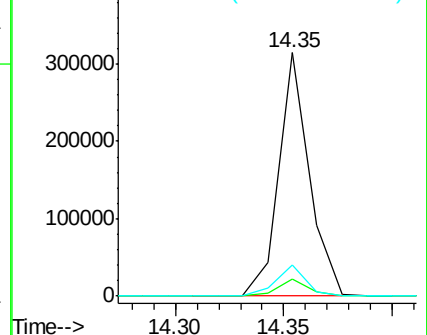
122 12.9 7.1 10.7#

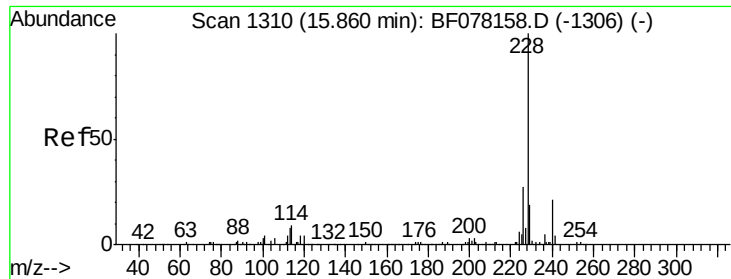


Abundance Ion 244.00 (243.70 to 244.70): E

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

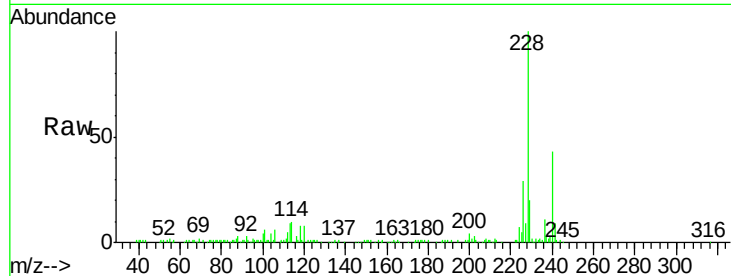
Tgt Ion:228 Resp: 111600

Ion Ratio Lower Upper

228 100

226 28.6 21.3 31.9

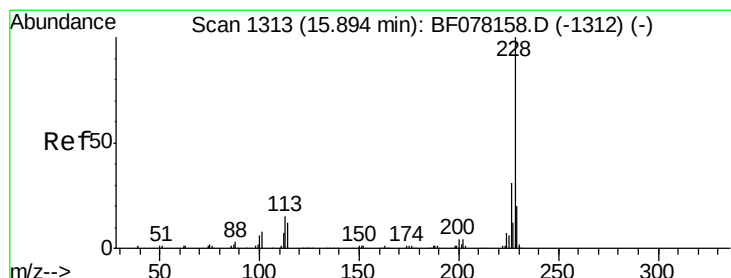
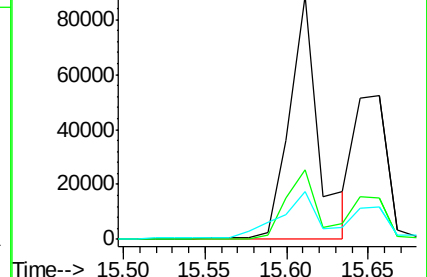
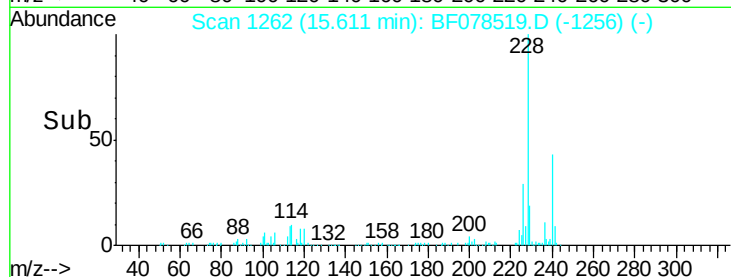
229 19.8 15.4 23.2



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

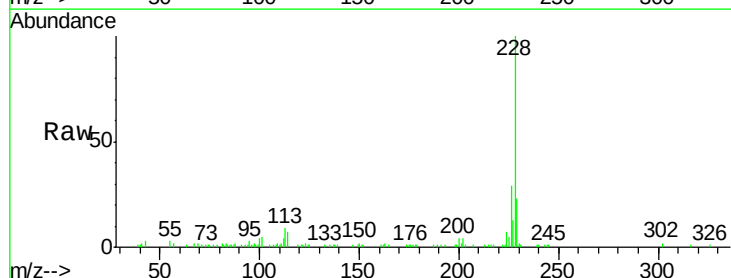
Tgt Ion:228 Resp: 73855

Ion Ratio Lower Upper

228 100

226 28.7 24.2 36.4

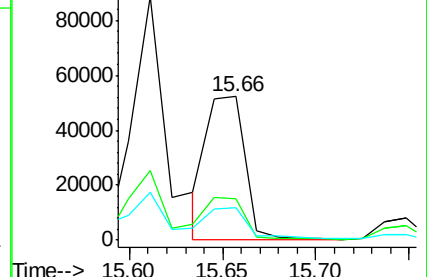
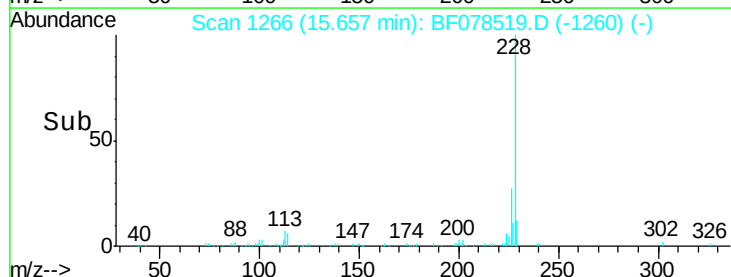
229 23.0 15.8 23.8

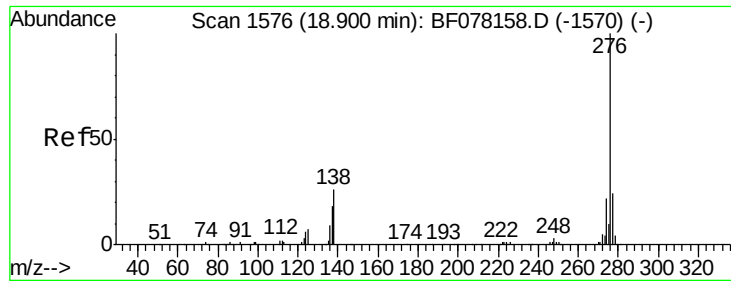


Abundance Ion 228.00 (227.70 to 228.70): E

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: 10.59 ng

RT: 18.83 min Scan# 1544

Delta R.T. 0.02 min

Lab File: BF078519.D

Acq: 15 Apr 2015 00:46

Instrument :

BNA_F

ClientSampleId :

HS-SB101

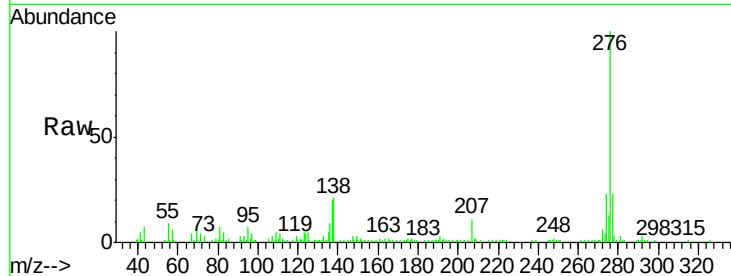
Tgt Ion:276 Resp: 71247

Ion Ratio Lower Upper

276 100

138 24.4 16.9 25.3

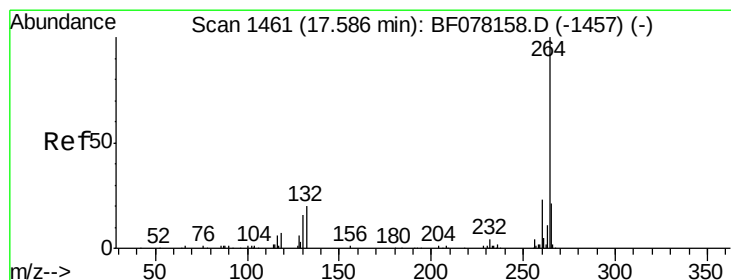
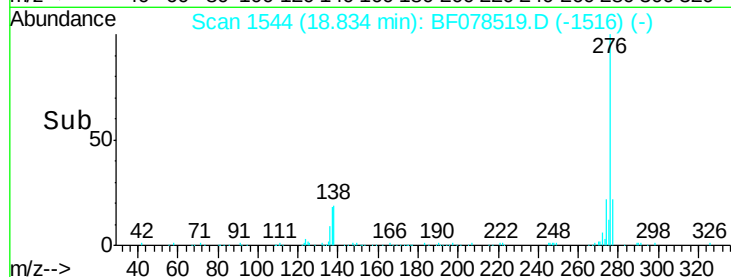
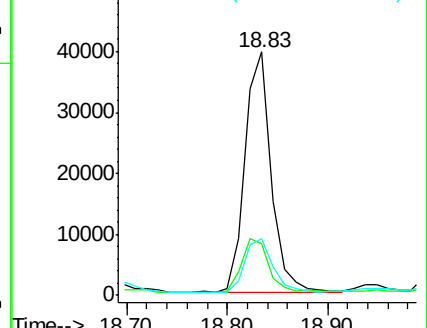
277 25.1 15.8 23.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

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

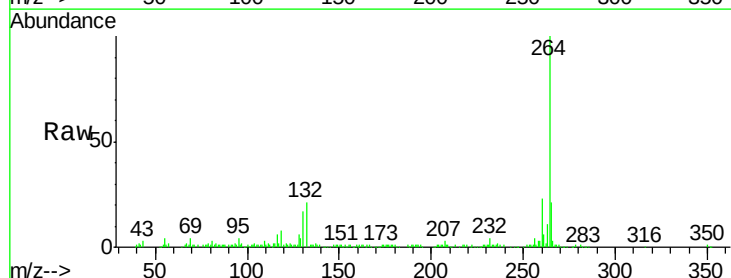
Tgt Ion:264 Resp: 115145

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

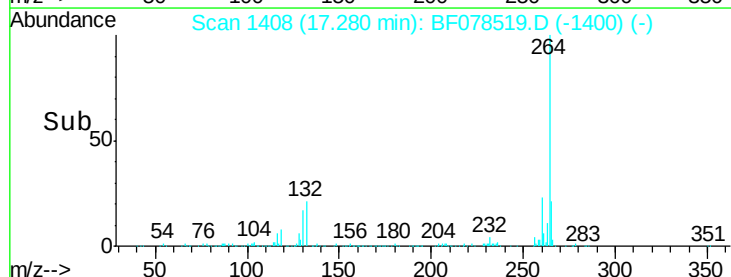
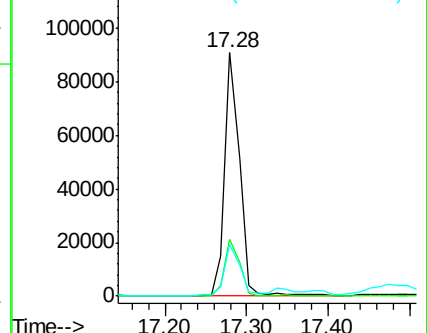
265 21.3 17.0 25.6

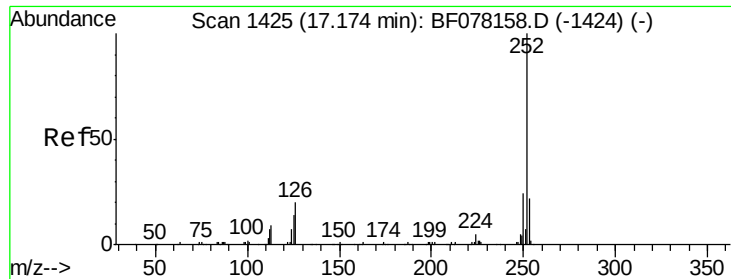


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

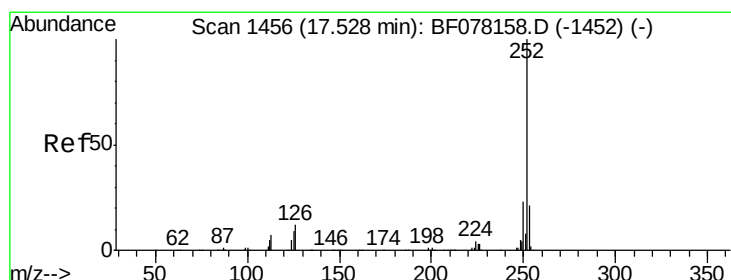
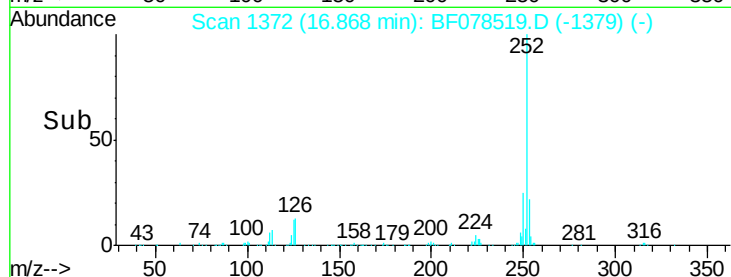
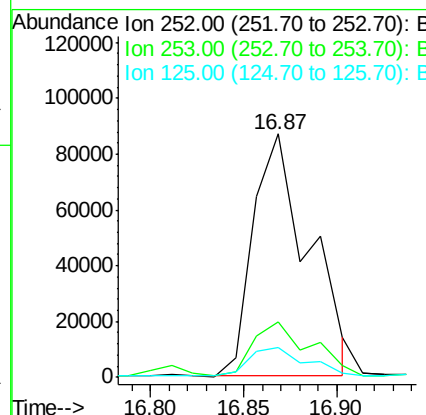
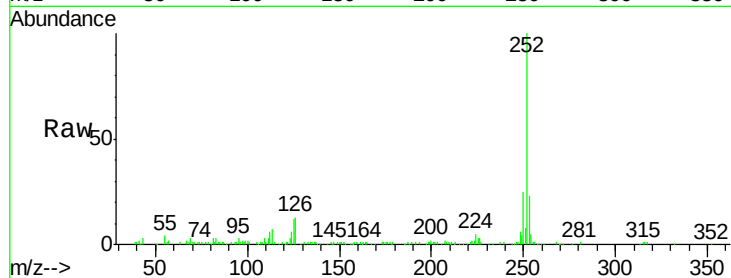




#88
Benzo(k)fluoranthene
Concen: 28.58 ng
RT: 16.87 min Scan# 1372
Delta R.T. -0.18 min
Lab File: BF078519.D
Acq: 15 Apr 2015 00:46

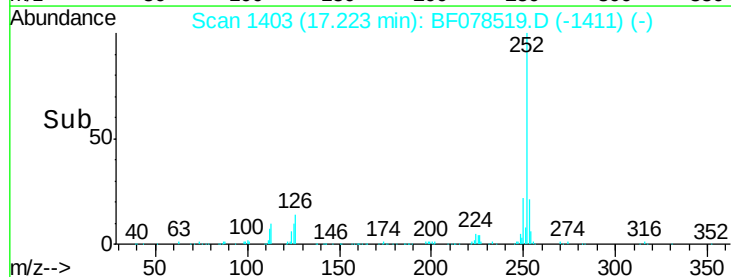
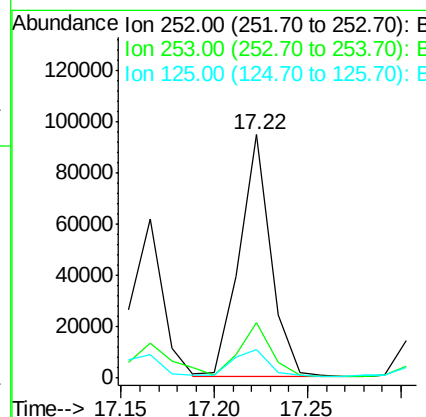
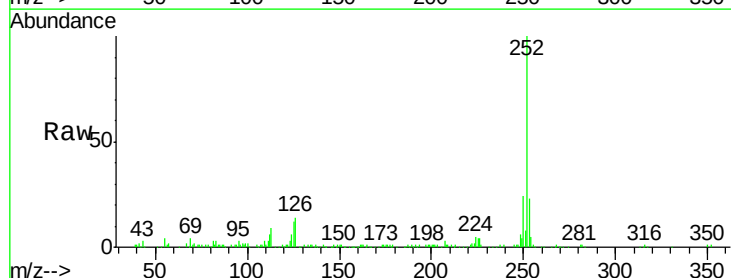
Instrument :
BNA_F
ClientSampleId :
HS-SB101

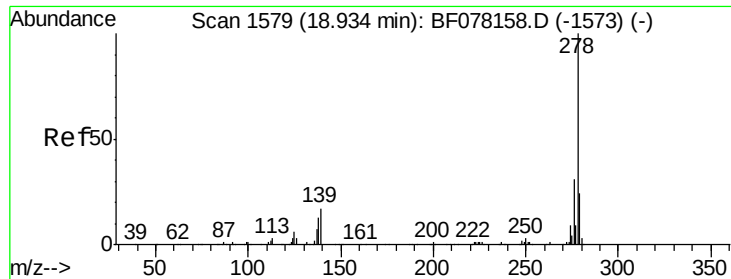
Tgt Ion: 252 Resp: 180713
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 12.4 11.6 17.4



#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

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#





#90

Dibenzo(a,h)anthracene

Concen: 2.99 ng

RT: 18.64 min Scan# 1527

Delta R.T. -0.19 min

Lab File: BF078519.D

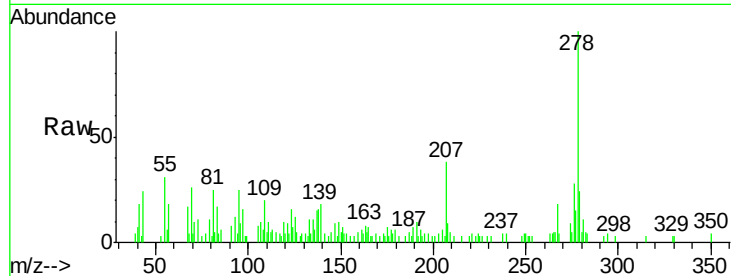
Acq: 15 Apr 2015 00:46

Instrument :

BNA_F

ClientSampleId :

HS-SB101



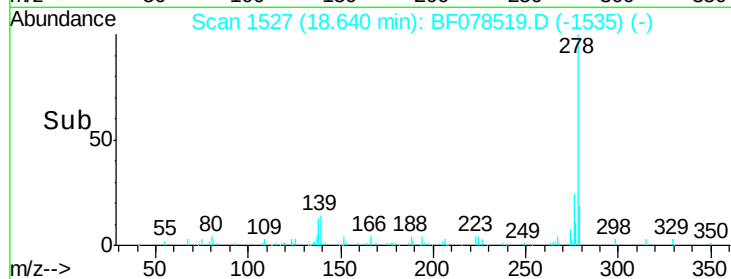
Tgt Ion: 278 Resp: 18569

Ion Ratio Lower Upper

278 100

139 18.2 13.6 20.4

279 23.9 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

