

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078592.D
 Acq On : 17 Apr 2015 5:38
 Operator : TP/IZ
 Sample : G1828-11DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02CDL

Quant Time: Apr 17 05:43:47 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

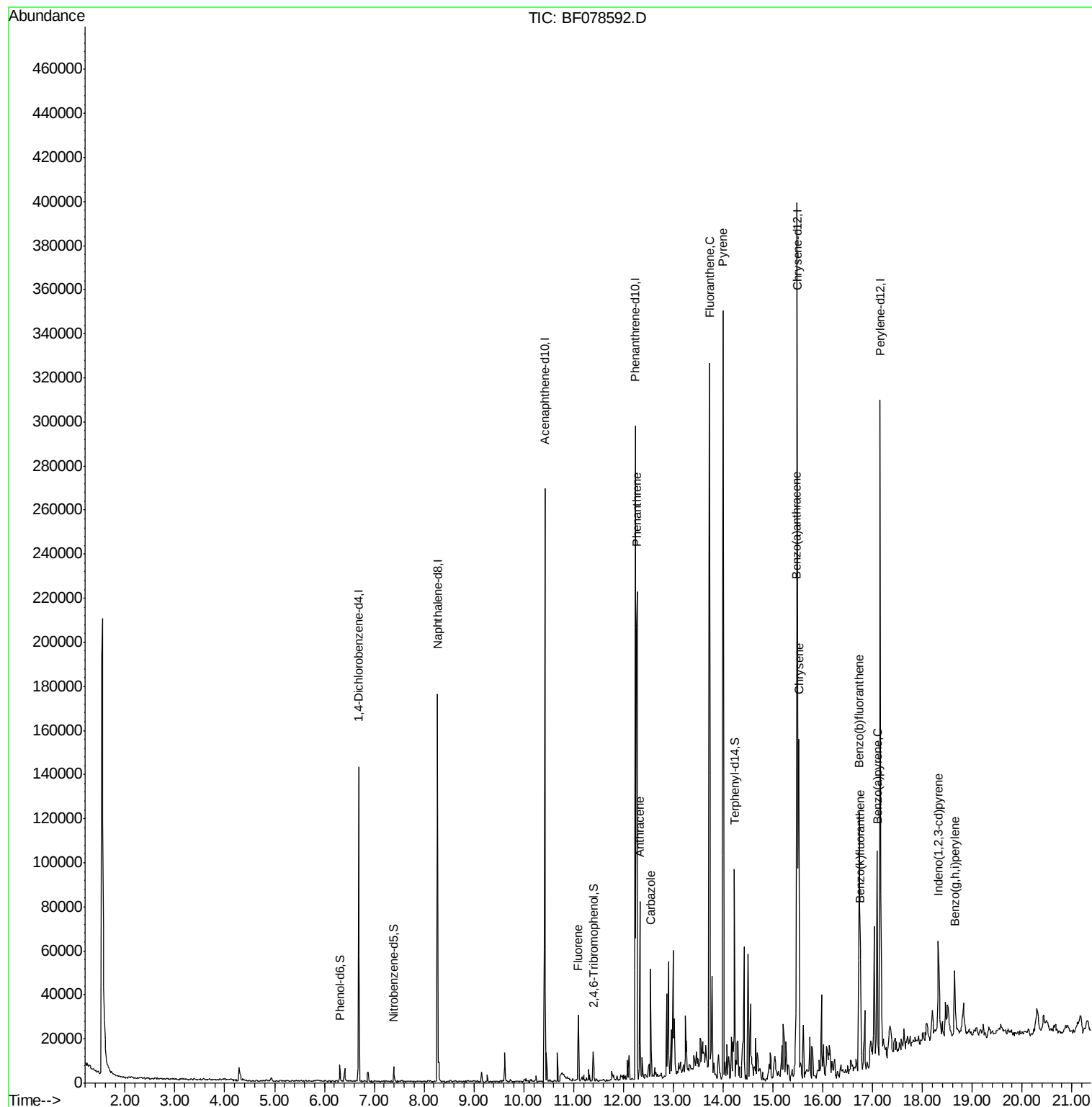
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	25037	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	109452	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	56814	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	117492	20.00	ng	0.00
75) Chrysene-d12	15.49	240	129440	20.00	ng	-0.01
86) Perylene-d12	17.15	264	133842	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.94	112	1323	0.87	ng	0.02
7) Phenol-d6	6.31	99	5303	2.79	ng	0.01
23) Nitrobenzene-d5	7.39	82	3895	2.16	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	1143	2.43	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	7304	1.84	ng	0.00
78) Terphenyl-d14	14.23	244	36724	6.41	ng	0.00
Target Compounds						Qvalue
57) Fluorene	11.10	166	9553	2.32	ng	94
70) Phenanthrene	12.27	178	129935	19.12	ng	99
71) Anthracene	12.33	178	34536	5.16	ng	98
72) Carbazole	12.55	167	22503	3.59	ng	99
74) Fluoranthene	13.73	202	151340	21.12	ng	97
77) Pyrene	14.00	202	131155	16.14	ng	# 93
80) Benzo(a)anthracene	15.47	228	82297	10.69	ng	98
82) Chrysene	15.52	228	65165m	9.01	ng	
85) Indeno(1,2,3-cd)pyrene	18.32	276	26494	3.23	ng	# 66
87) Benzo(b)fluoranthene	16.73	252	81682m	9.87	ng	
88) Benzo(k)fluoranthene	16.75	252	17890m	2.43	ng	
89) Benzo(a)pyrene	17.10	252	55890	7.74	ng	98
91) Benzo(g,h,i)perylene	18.65	276	21837	3.01	ng	97

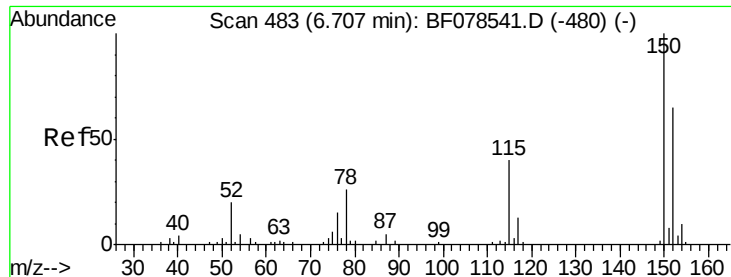
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF078592.D

Acq: 17 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

HS-SB02CDL

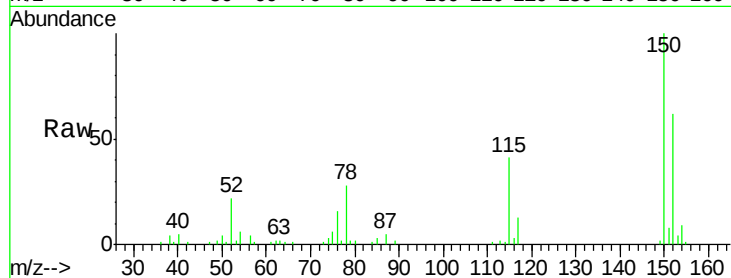
Tgt Ion:152 Resp: 25037

Ion Ratio Lower Upper

152 100

150 160.7 125.9 188.9

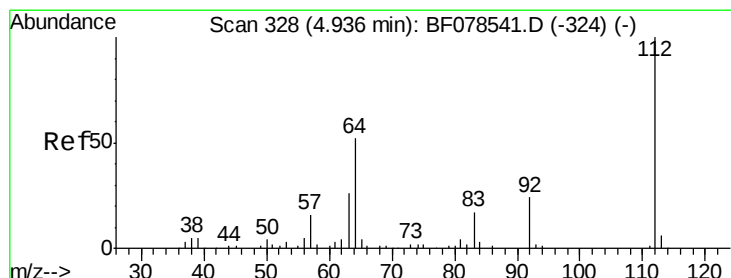
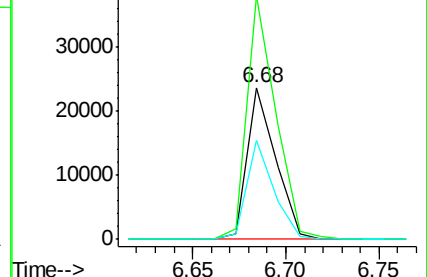
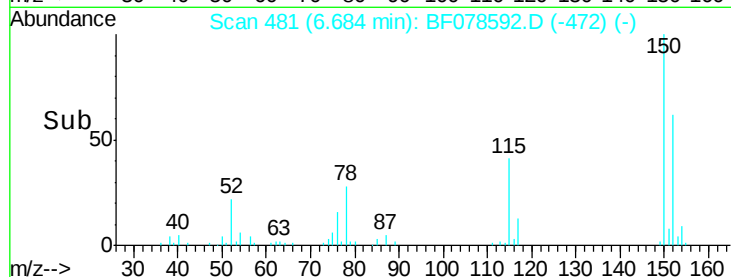
115 65.7 52.7 79.1



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: 0.87 ng

RT: 4.94 min Scan# 328

Delta R.T. 0.02 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

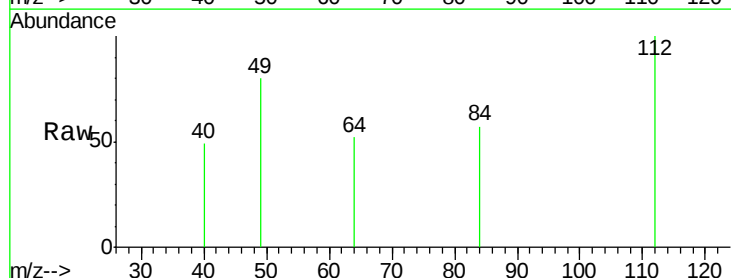
Tgt Ion:112 Resp: 1323

Ion Ratio Lower Upper

112 100

64 51.5 39.9 59.9

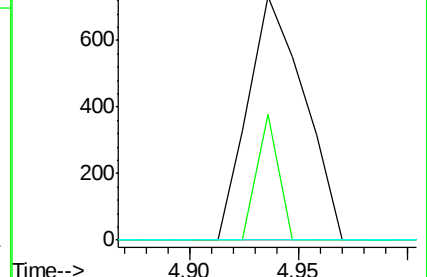
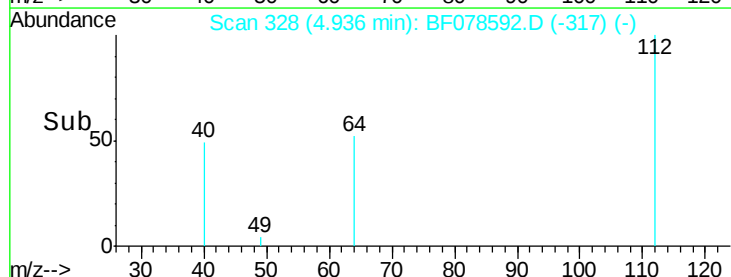
63 0.0 20.2 30.4#

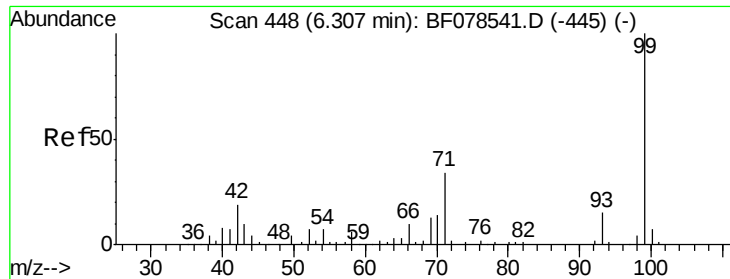


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.79 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

HS-SB02CDL

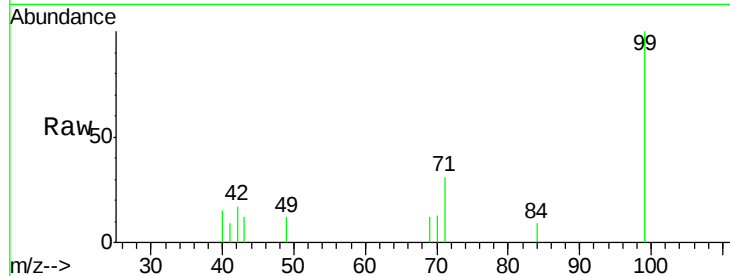
Tgt Ion: 99 Resp: 5303

Ion Ratio Lower Upper

99 100

42 16.7 14.8 22.2

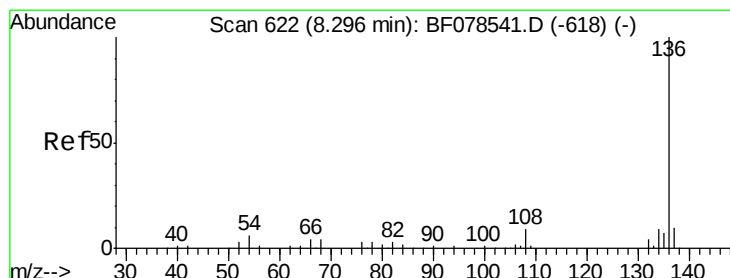
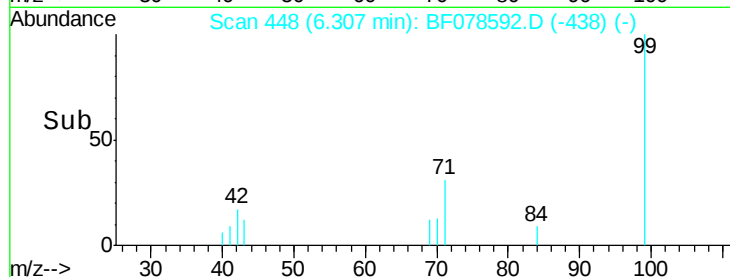
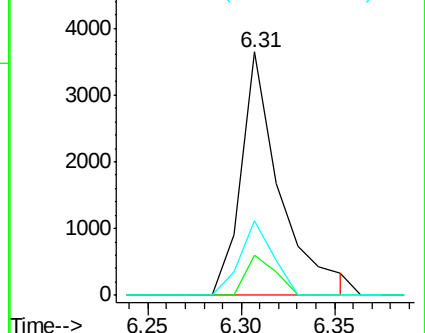
71 30.6 26.6 39.8



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: BF078592.D

Acq: 17 Apr 2015 5:38

Tgt Ion: 136 Resp: 109452

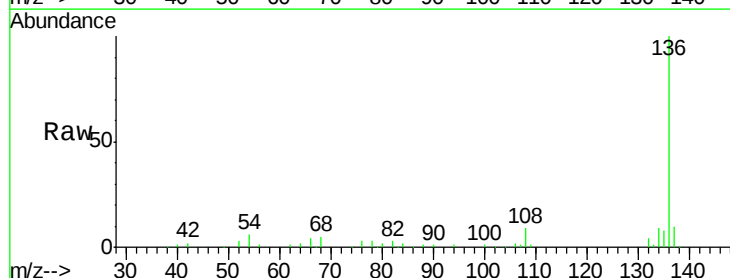
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 5.7 7.0 10.6#

68 4.6 5.4 8.2#

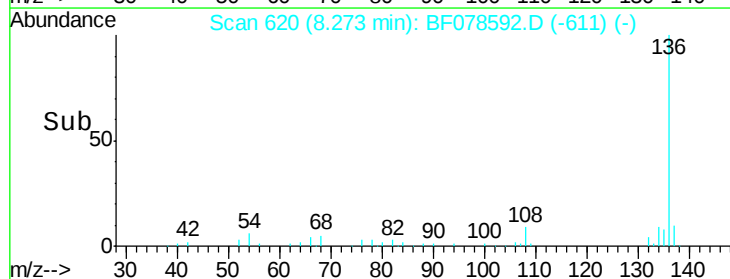
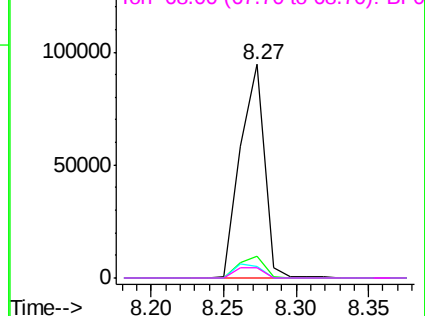


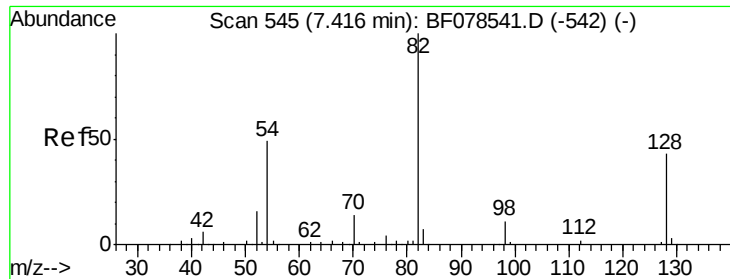
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

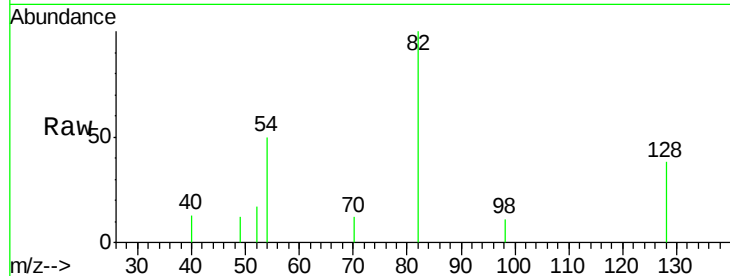




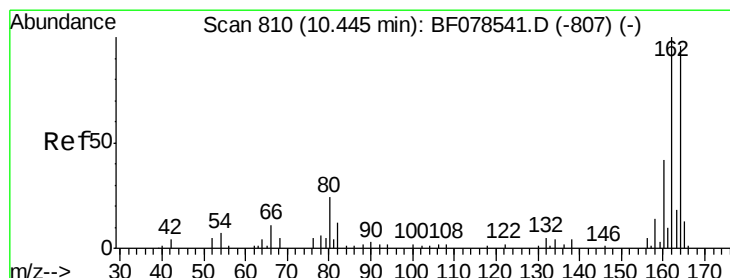
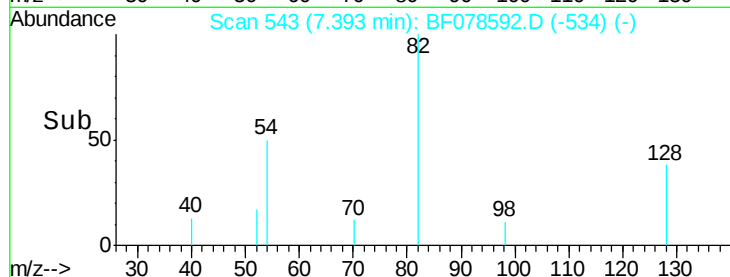
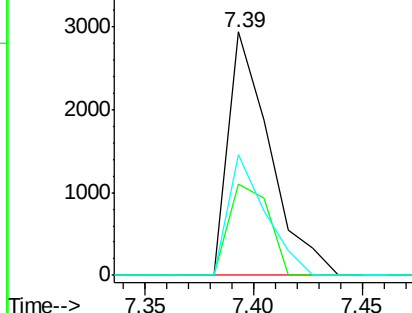
#23
 Nitrobenzene-d5
 Concen: 2.16 ng
 RT: 7.39 min Scan# 543
 Delta R.T. -0.00 min
 Lab File: BF078592.D
 Acq: 17 Apr 2015 5:38

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02CDL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.8	31.8	47.8
54	49.8	41.5	62.3

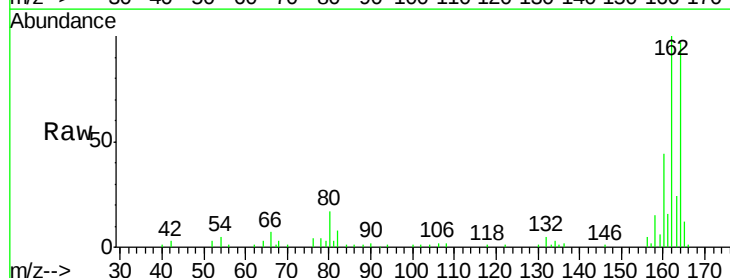


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

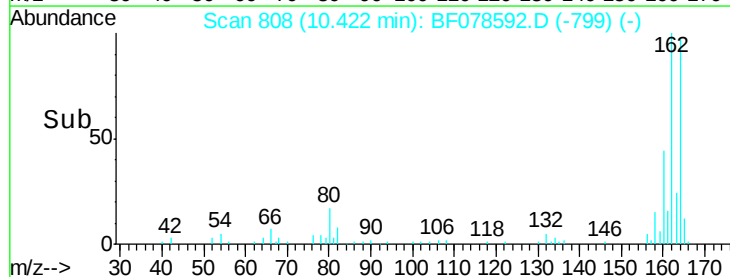
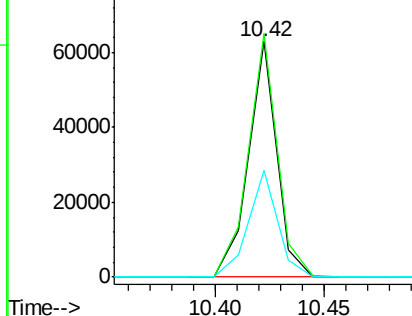


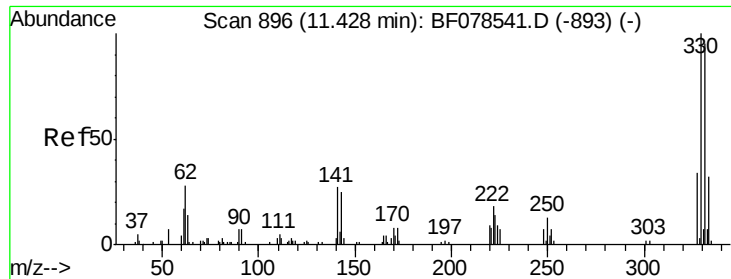
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF078592.D
 Acq: 17 Apr 2015 5:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.2
160	45.0	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: 2.43 ng

RT: 11.39 min Scan# 893

Delta R.T. -0.00 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

HS-SB02CDL

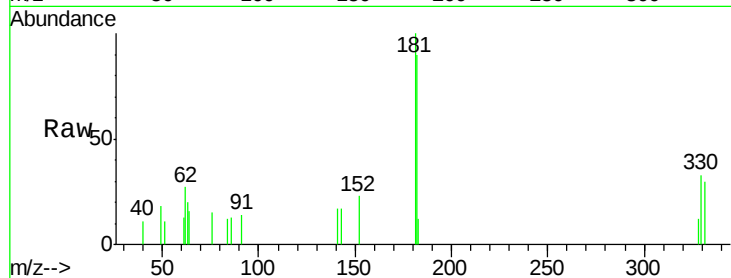
Tgt Ion:330 Resp: 1143

Ion Ratio Lower Upper

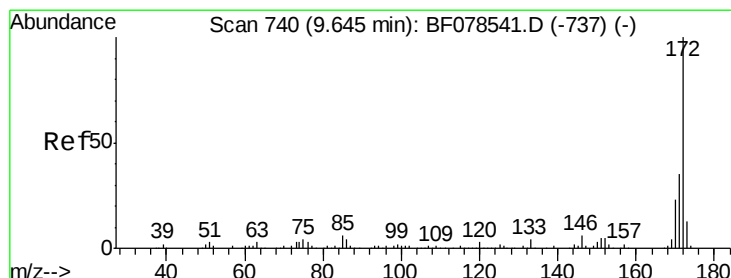
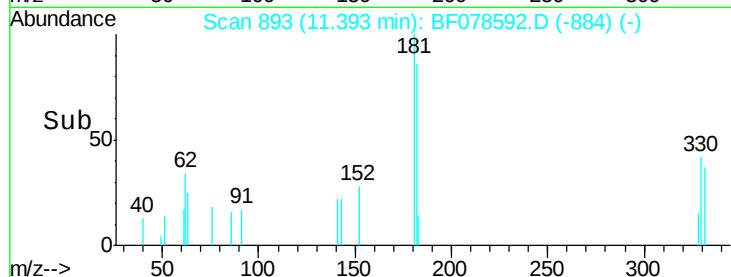
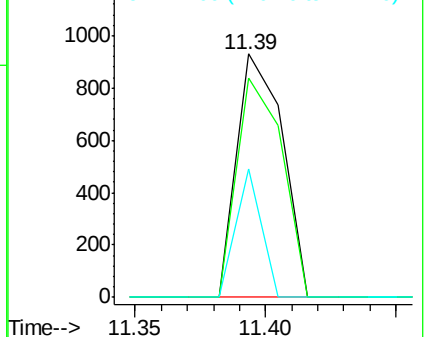
330 100

332 89.8 78.6 117.8

141 29.3 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: 1.84 ng

RT: 9.62 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

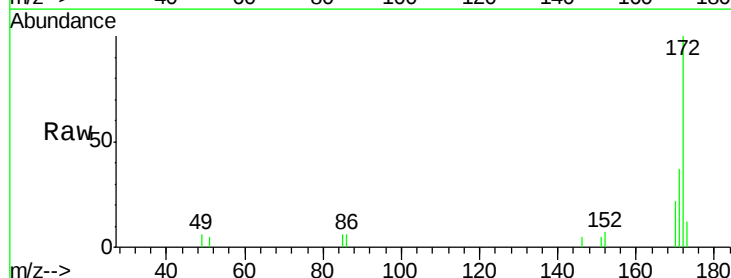
Tgt Ion:172 Resp: 7304

Ion Ratio Lower Upper

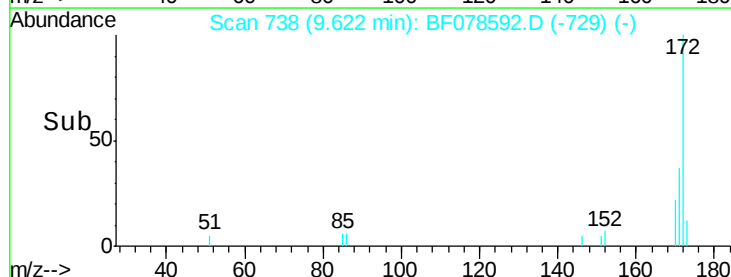
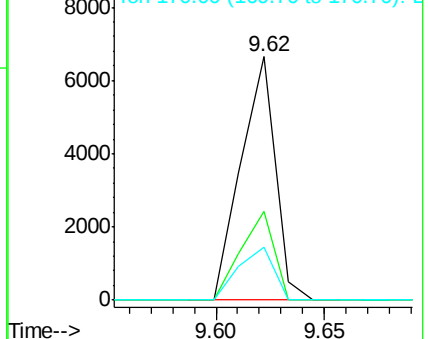
172 100

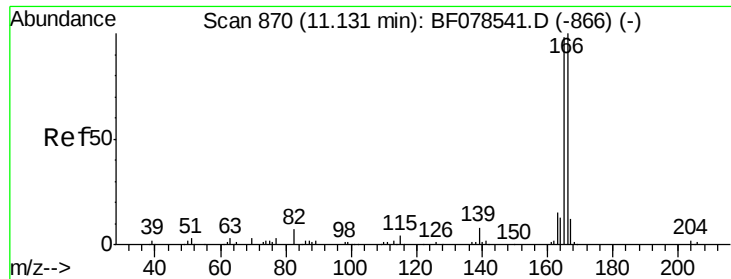
171 36.6 28.6 42.8

170 21.9 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

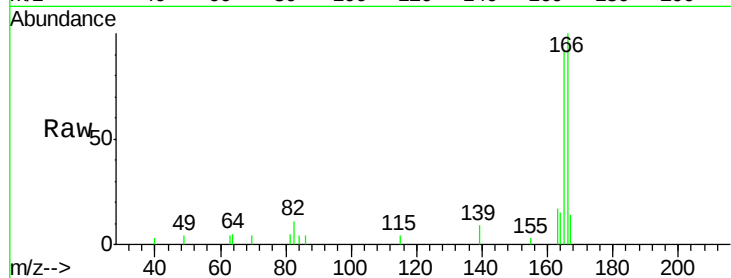




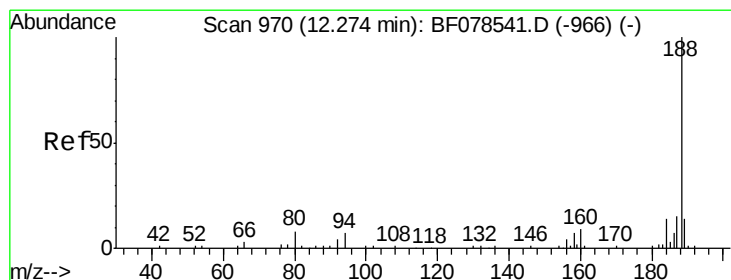
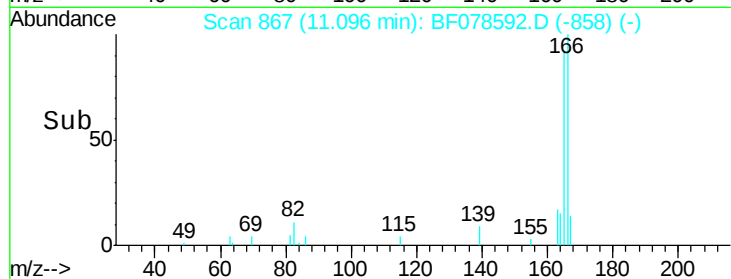
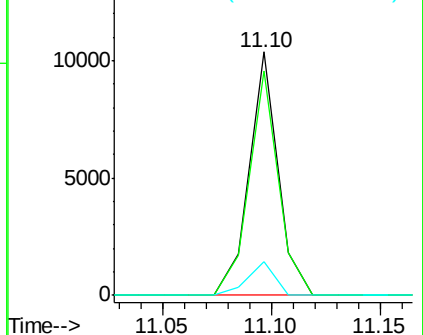
#57
Fluorene
 Concen: 2.32 ng
 RT: 11.10 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: BF078592.D
 Acq: 17 Apr 2015 5:38

Instrument :
 BNA_F
 ClientSampleID :
 HS-SB02CDL

Tgt Ion:166 Resp: 9553
 Ion Ratio Lower Upper
 166 100
 165 92.0 78.9 118.3
 167 13.7 10.7 16.1

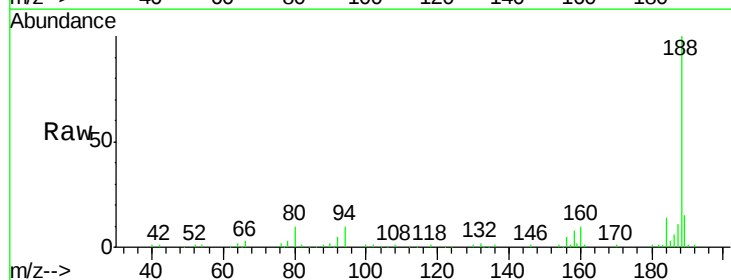


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

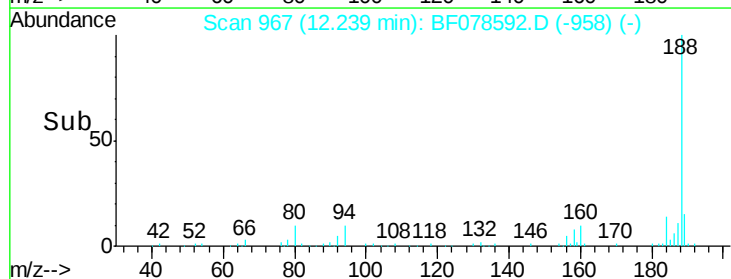
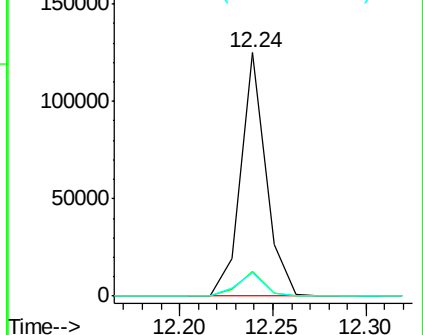


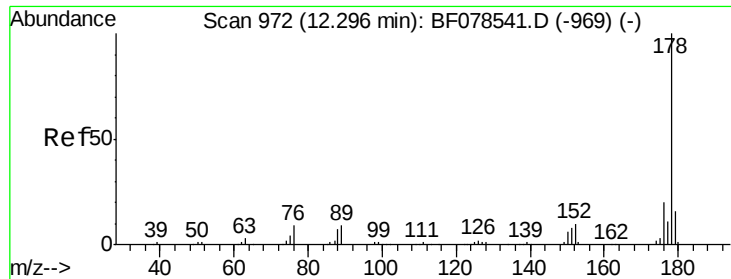
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: BF078592.D
 Acq: 17 Apr 2015 5:38

Tgt Ion:188 Resp: 117492
 Ion Ratio Lower Upper
 188 100
 94 10.0 9.0 13.4
 80 9.8 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

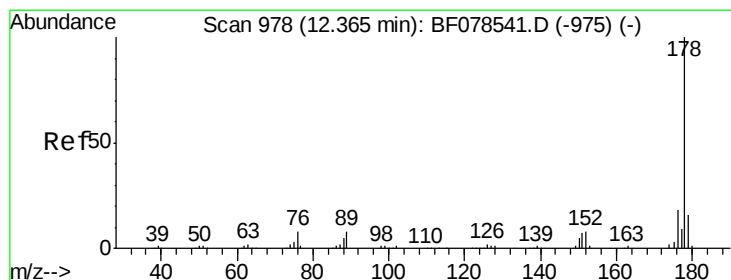
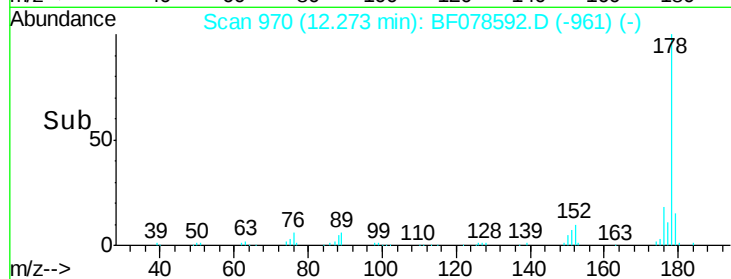
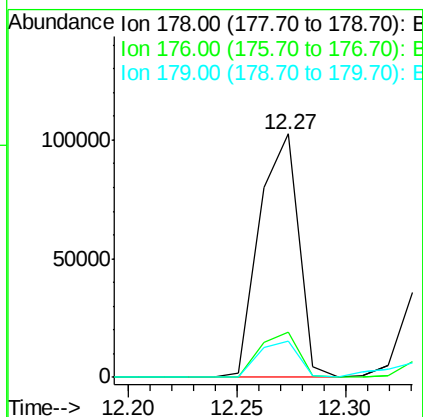
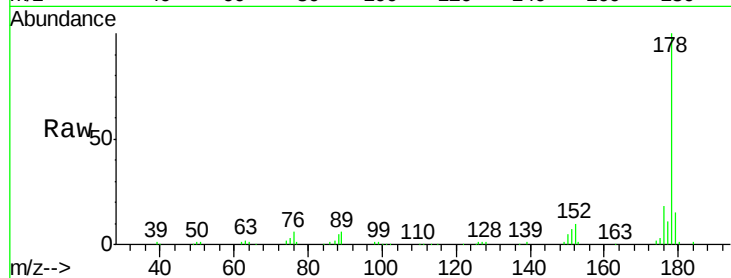




#70
Phenanthrene
Concen: 19.12 ng
RT: 12.27 min Scan# 970
Delta R.T. -0.00 min
Lab File: BF078592.D
Acq: 17 Apr 2015 5:38

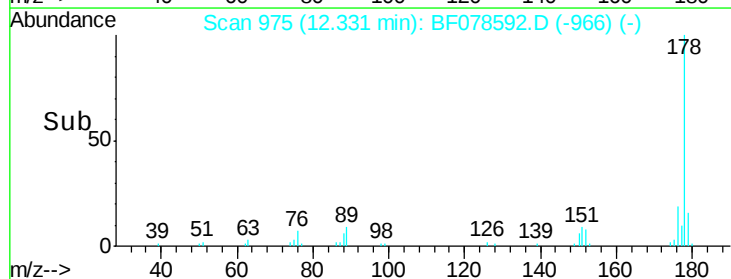
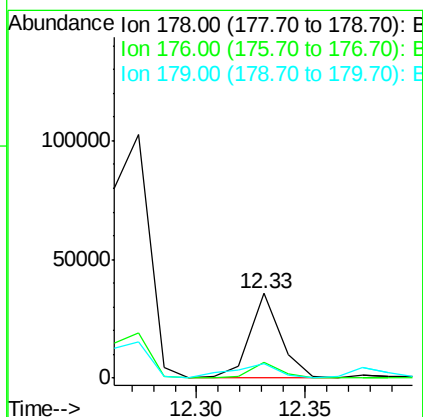
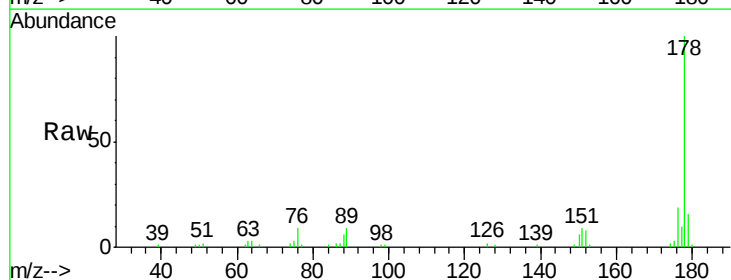
Instrument :
BNA_F
ClientSampled :
HS-SB02CDL

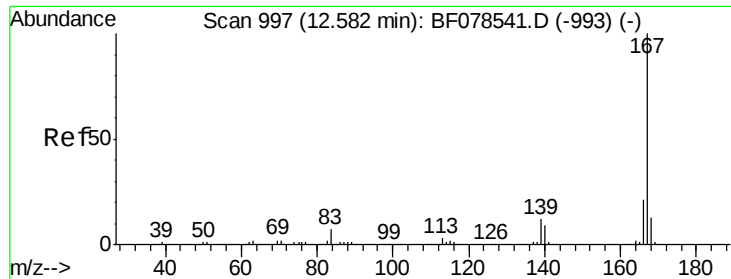
Tgt Ion:178 Resp: 129935
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 15.0 12.2 18.2



#71
Anthracene
Concen: 5.16 ng
RT: 12.33 min Scan# 975
Delta R.T. -0.00 min
Lab File: BF078592.D
Acq: 17 Apr 2015 5:38

Tgt Ion:178 Resp: 34536
Ion Ratio Lower Upper
178 100
176 19.4 14.8 22.2
179 16.4 12.4 18.6





#72

Carbazole

Concen: 3.59 ng

RT: 12.55 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

HS-SB02CDL

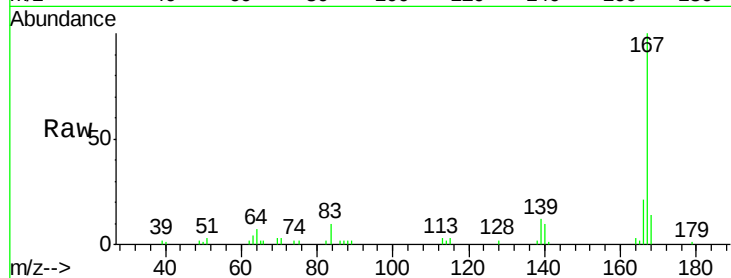
Tgt Ion:167 Resp: 22503

Ion Ratio Lower Upper

167 100

166 20.6 16.8 25.2

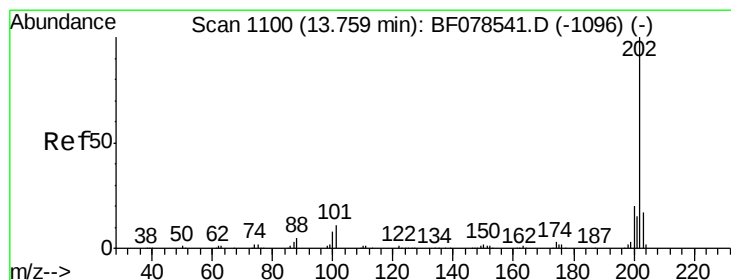
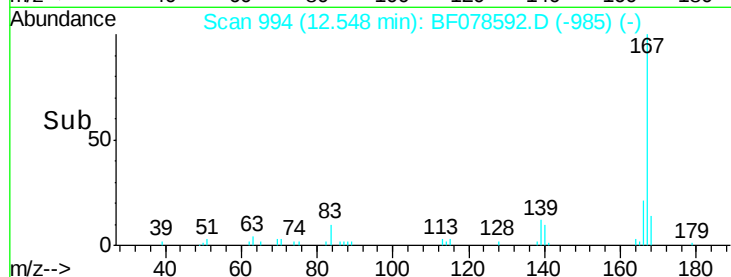
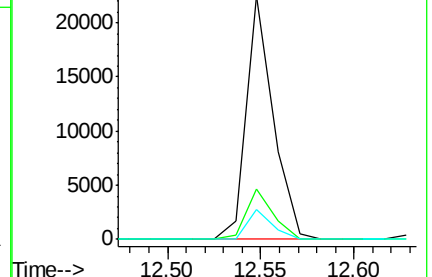
139 12.4 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 21.12 ng

RT: 13.73 min Scan# 1097

Delta R.T. -0.00 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

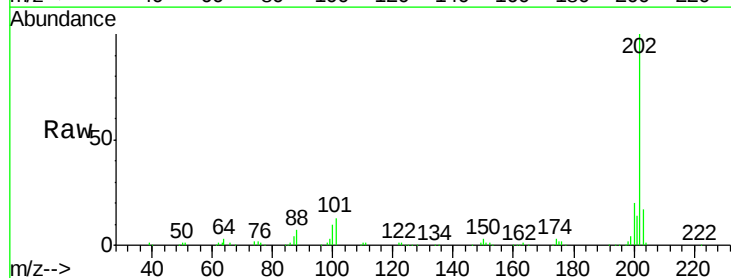
Tgt Ion:202 Resp: 151340

Ion Ratio Lower Upper

202 100

101 13.4 0.0 35.2

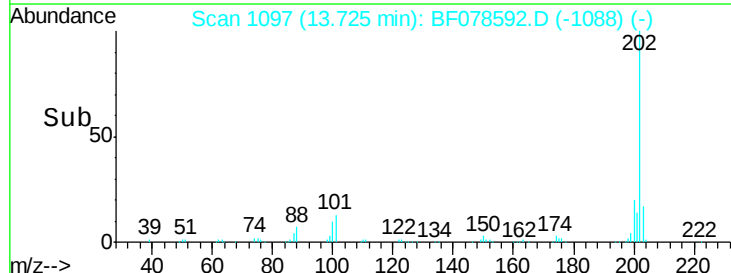
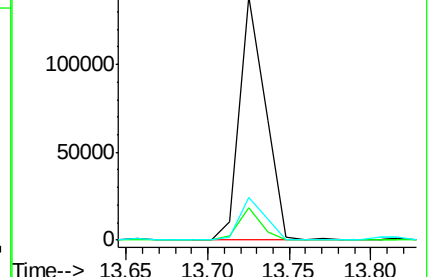
203 17.3 0.0 38.5

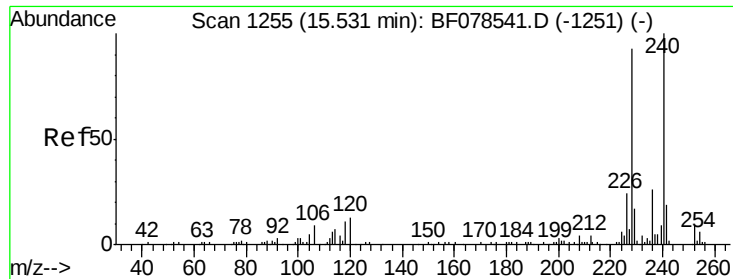


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

HS-SB02CDL

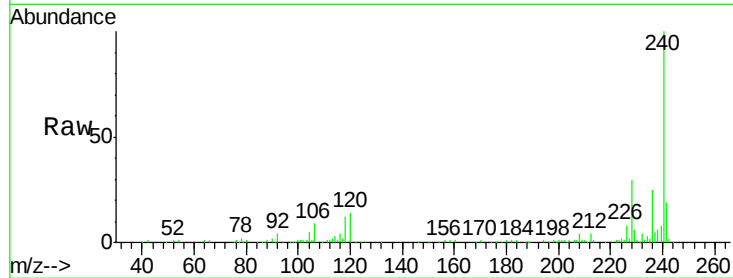
Tgt Ion:240 Resp: 129440

Ion Ratio Lower Upper

240 100

120 13.7 7.1 10.7#

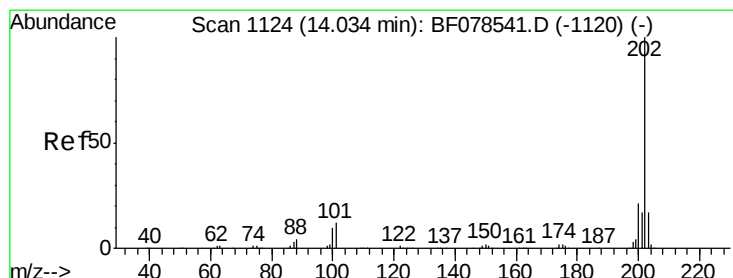
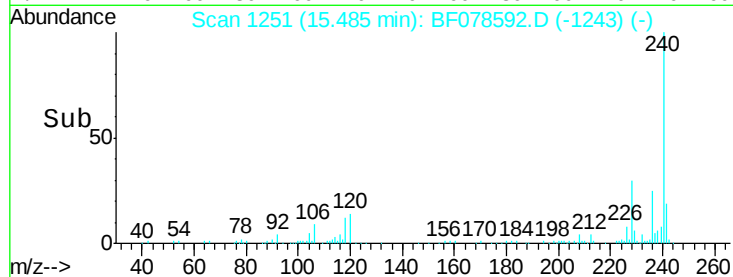
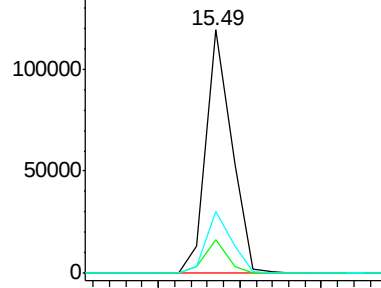
236 25.2 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.14 ng

RT: 14.00 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

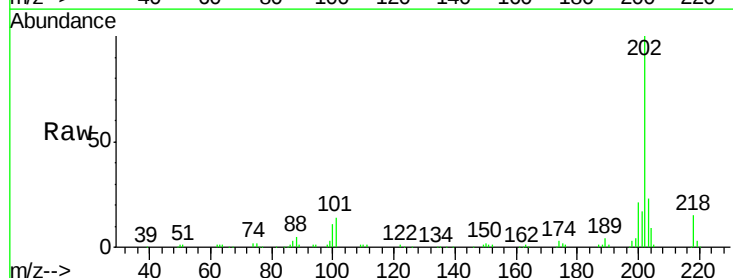
Tgt Ion:202 Resp: 131155

Ion Ratio Lower Upper

202 100

200 21.1 16.3 24.5

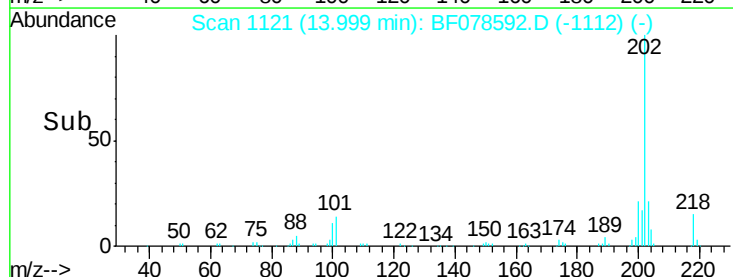
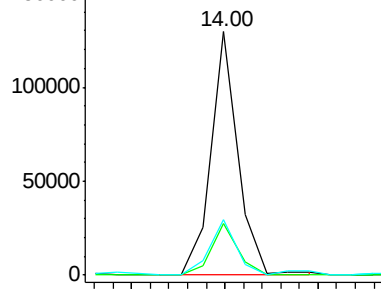
203 22.7 13.8 20.6#

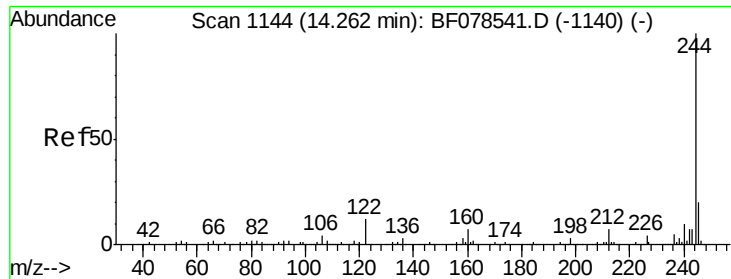


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

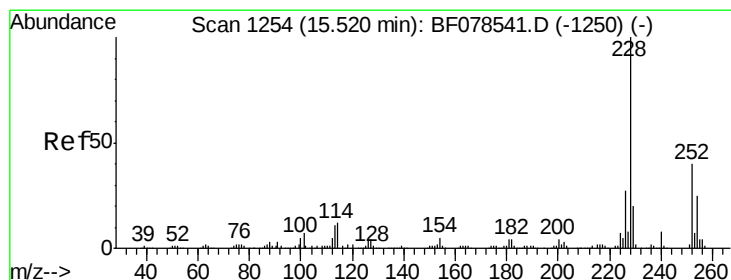
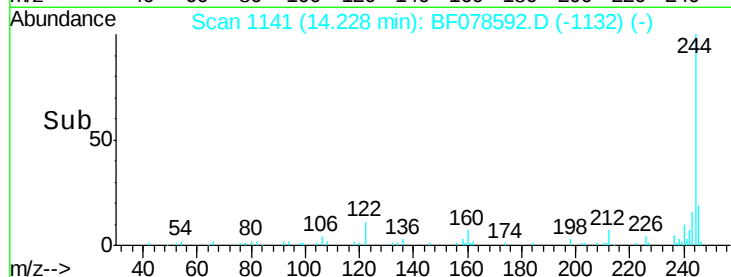
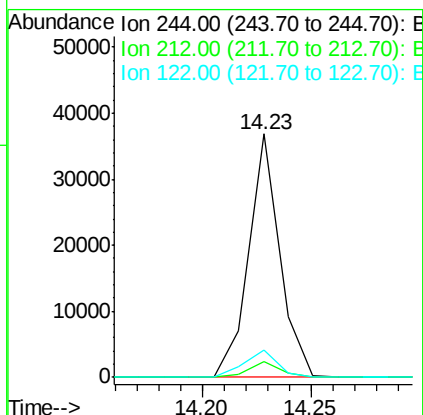
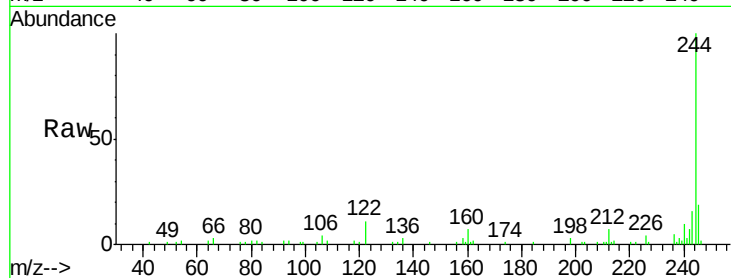




#78
 Terphenyl-d14
 Concen: 6.41 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: BF078592.D
 Acq: 17 Apr 2015 5:38

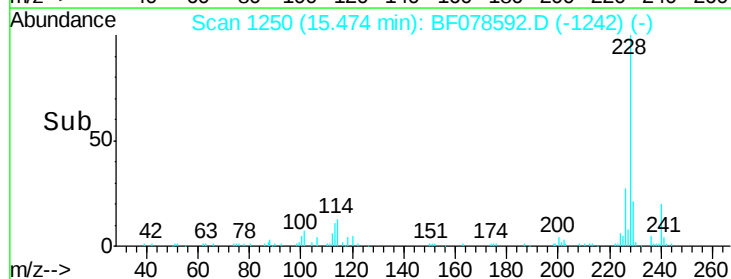
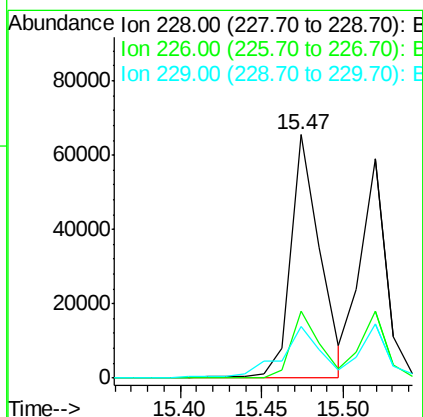
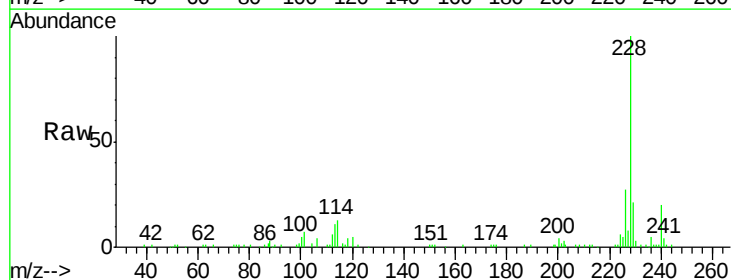
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02CDL

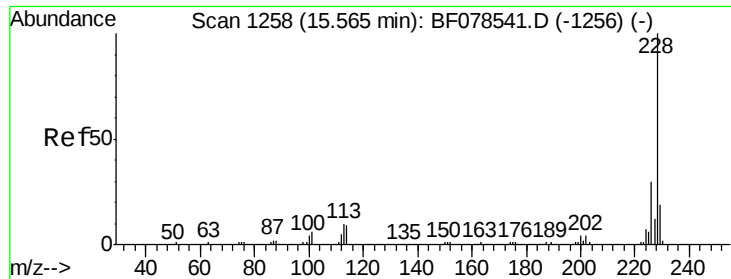
Tgt Ion:244 Resp: 36724
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.0 7.4
 122 11.4 7.1 10.7#



#80
 Benzo(a)anthracene
 Concen: 10.69 ng
 RT: 15.47 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BF078592.D
 Acq: 17 Apr 2015 5:38

Tgt Ion:228 Resp: 82297
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.3 31.9
 229 21.0 15.4 23.2





#82

Chrysene

Concen: 9.01 ng m

RT: 15.52 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

HS-SB02CDL

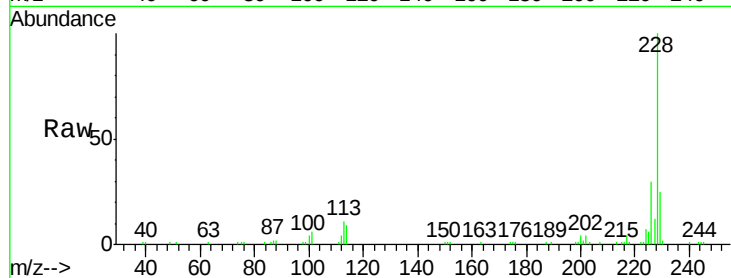
Tgt Ion: 228 Resp: 65165

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

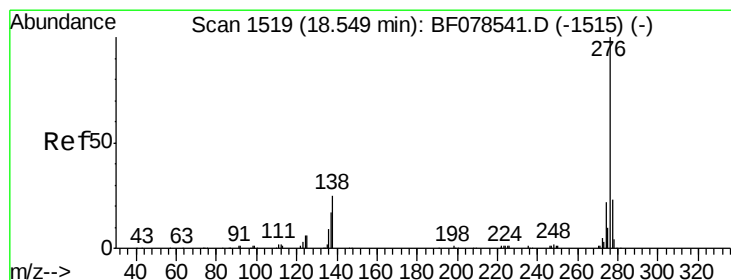
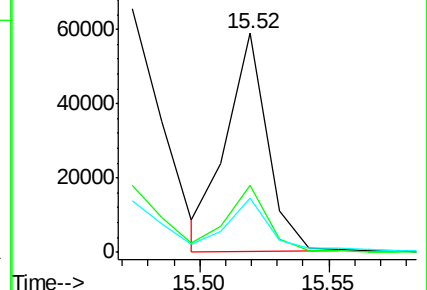
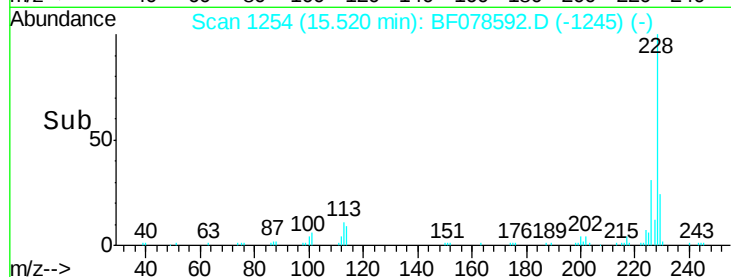
229 24.6 15.8 23.8#



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: 3.23 ng

RT: 18.32 min Scan# 1499

Delta R.T. 0.03 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

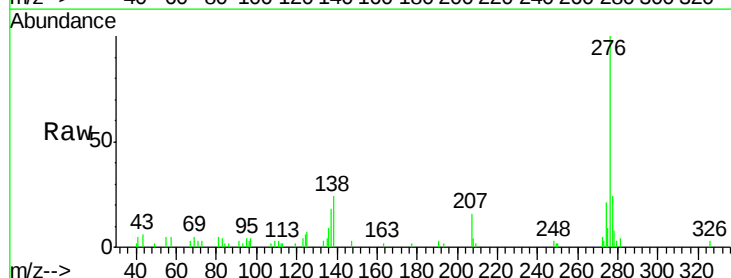
Tgt Ion: 276 Resp: 26494

Ion Ratio Lower Upper

276 100

138 35.9 16.9 25.3#

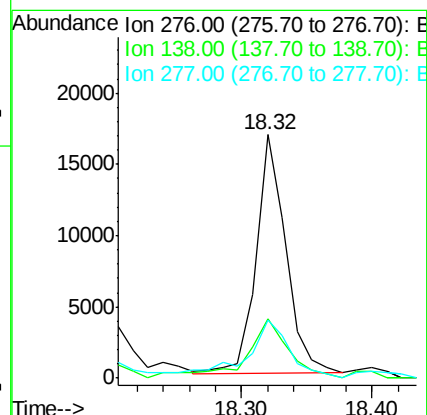
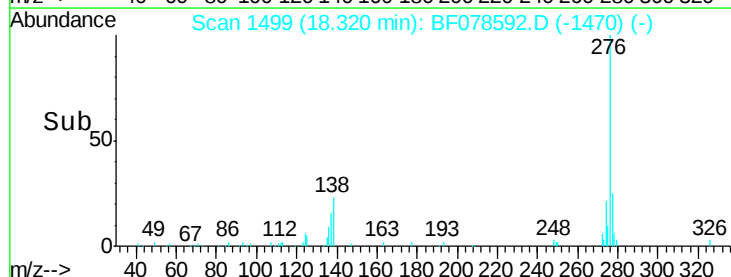
277 36.8 15.8 23.6#

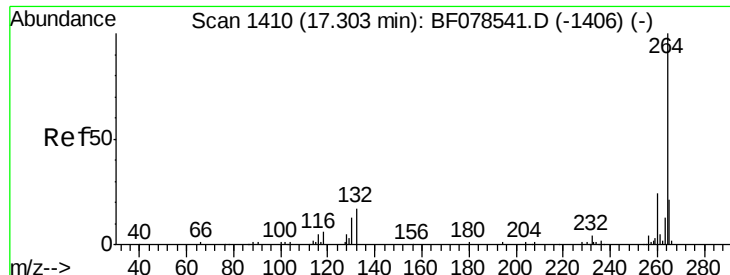


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

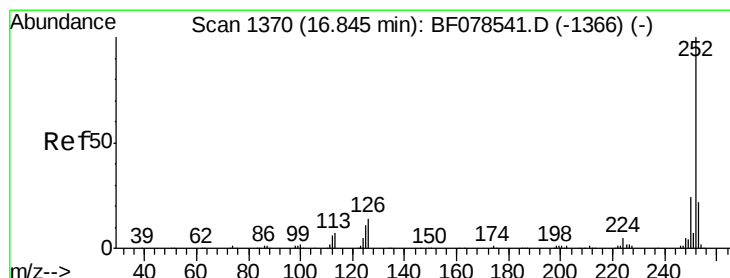
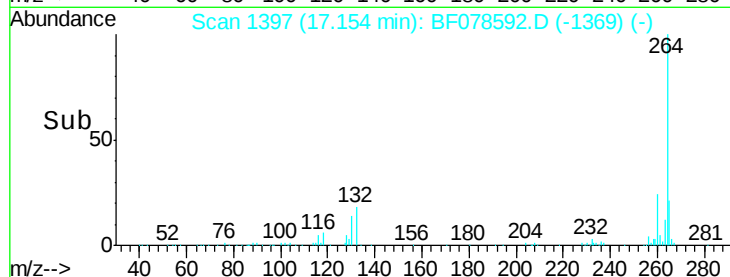
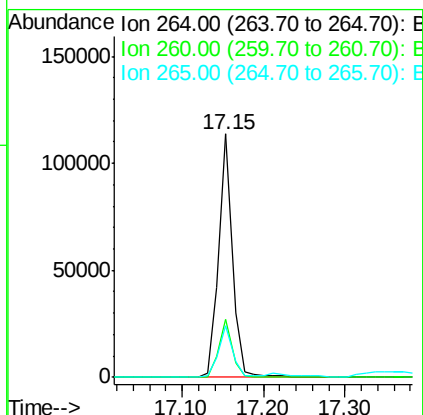
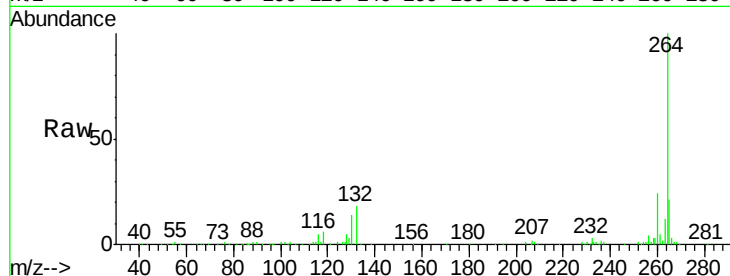




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.15 min Scan# 1397
Delta R.T. 0.02 min
Lab File: BF078592.D
Acq: 17 Apr 2015 5:38

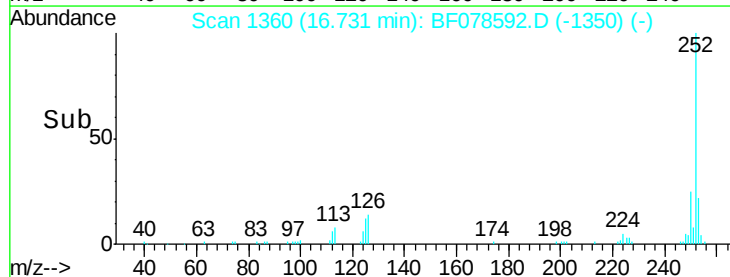
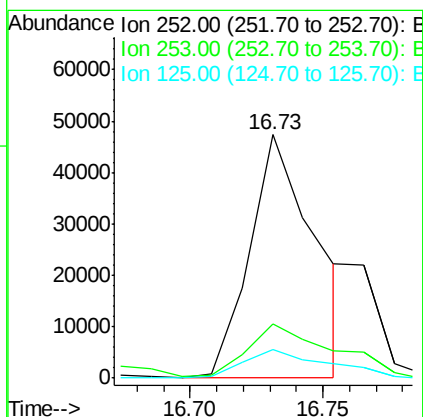
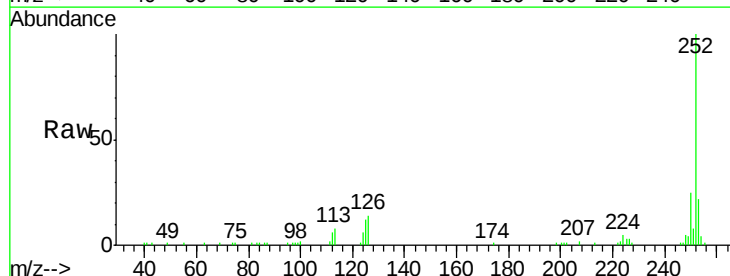
Instrument :
BNA_F
ClientSampleId :
HS-SB02CDL

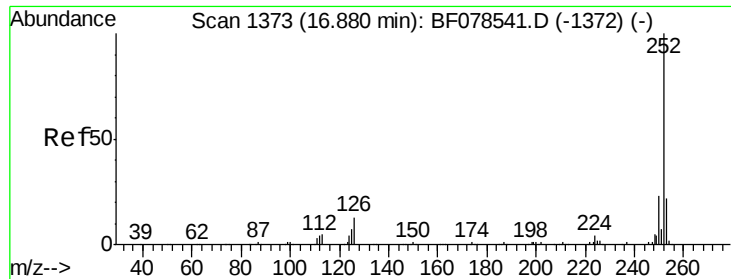
Tgt Ion: 264 Resp: 133842
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.4 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 9.87 ng m
RT: 16.73 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF078592.D
Acq: 17 Apr 2015 5:38

Tgt Ion: 252 Resp: 81682
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 11.6 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 2.43 ng m

RT: 16.75 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

HS-SB02CDL

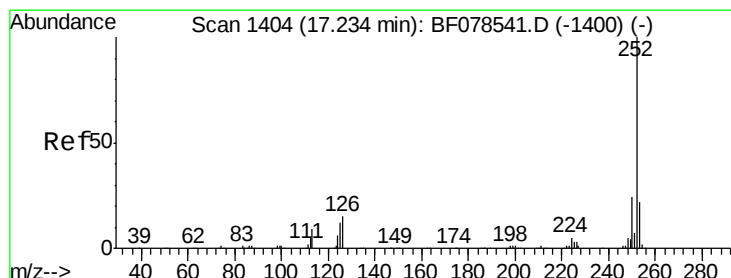
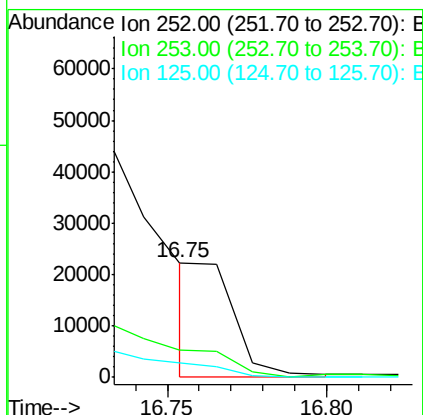
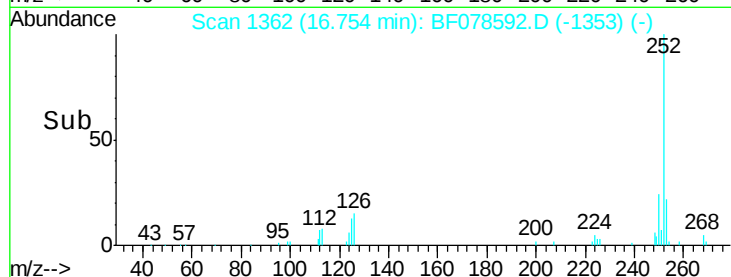
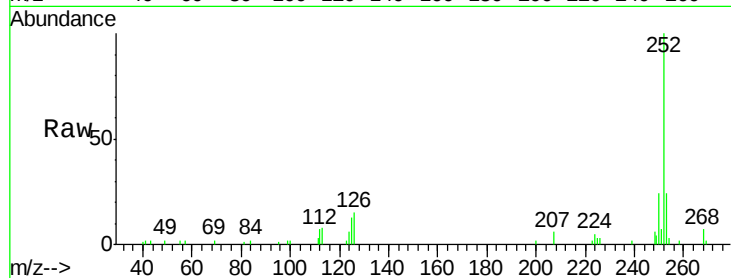
Tgt Ion:252 Resp: 17890

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 12.6 11.6 17.4



#89

Benzo(a)pyrene

Concen: 7.74 ng

RT: 17.10 min Scan# 1392

Delta R.T. 0.02 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

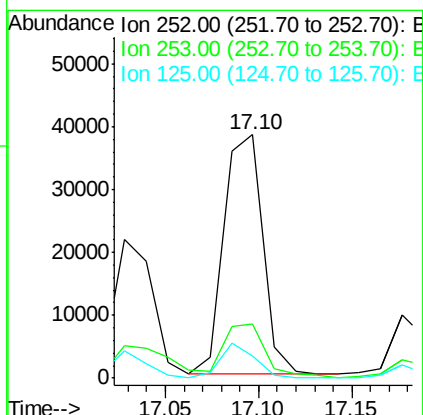
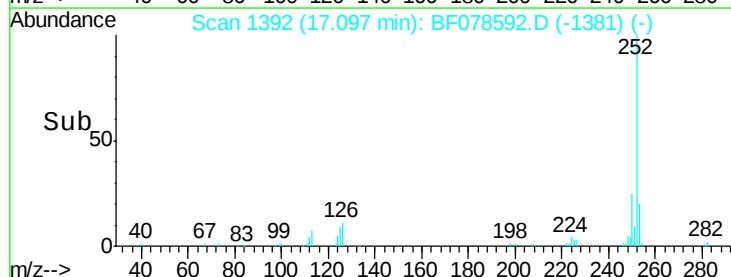
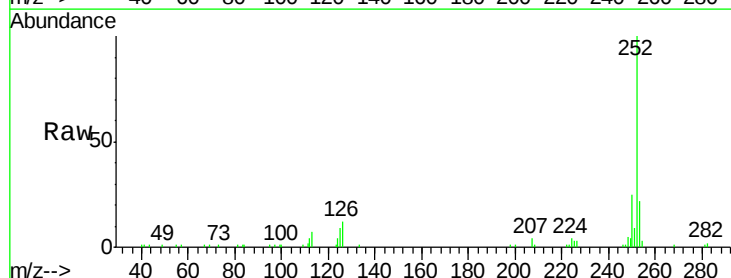
Tgt Ion:252 Resp: 55890

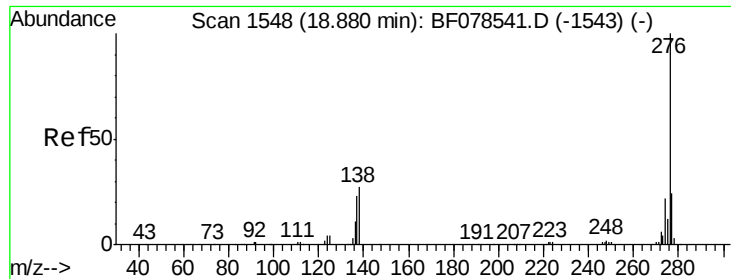
Ion Ratio Lower Upper

252 100

253 22.5 16.8 25.2

125 9.2 7.4 11.0





#91

Benzo(g,h,i)perylene

Concen: 3.01 ng

RT: 18.65 min Scan# 1528

Delta R.T. 0.05 min

Lab File: BF078592.D

Acq: 17 Apr 2015 5:38

Instrument :

BNA_F

ClientSampleId :

HS-SB02CDL

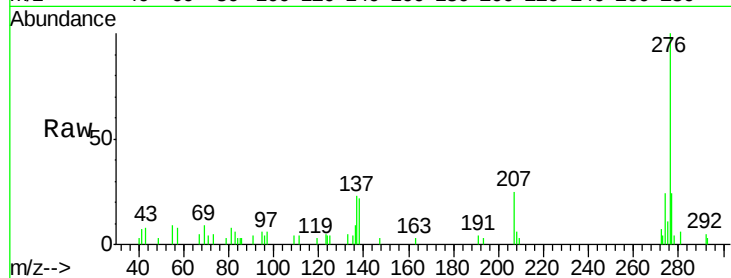
Tgt Ion: 276 Resp: 21837

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 22.1 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

