

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078594.D
 Acq On : 17 Apr 2015 6:36
 Operator : TP/IZ
 Sample : G1828-15DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04BDL

Quant Time: Apr 17 06:54:22 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

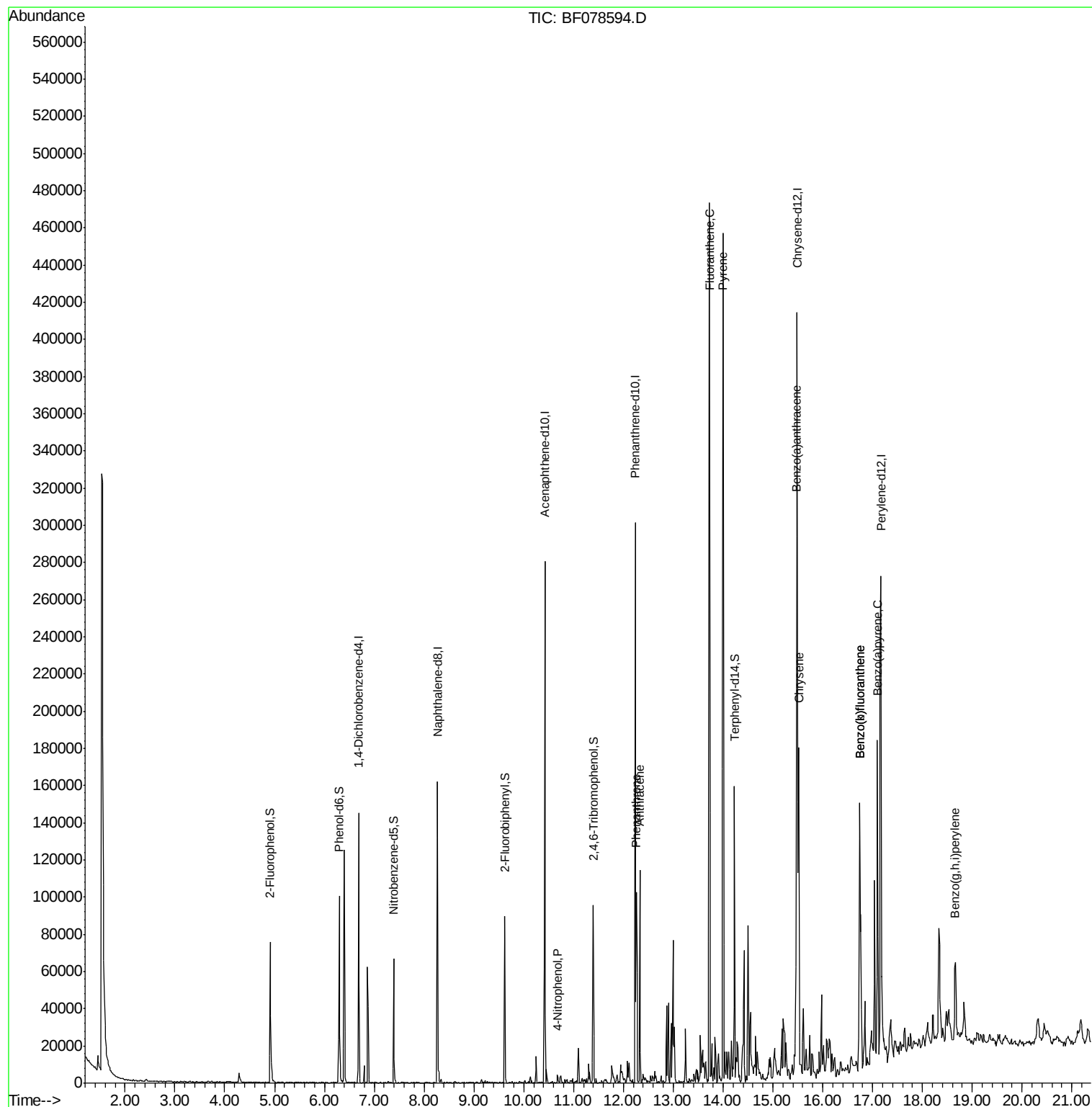
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	25197	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	108078	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	58081	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	116711	20.00	ng	0.00
75) Chrysene-d12	15.49	240	130298	20.00	ng	-0.01
86) Perylene-d12	17.17	264	136148	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	32430	21.22	ng	0.00
7) Phenol-d6	6.30	99	43374	22.65	ng	0.00
23) Nitrobenzene-d5	7.39	82	23217	13.02	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	10504	21.81	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	44039	10.84	ng	0.00
78) Terphenyl-d14	14.23	244	58969	10.23	ng	0.00
Target Compounds						Qvalue
55) 4-Nitrophenol	10.67	139	941	3.97	ng	# 18
70) Phenanthrene	12.26	178	50383	7.46	ng	99
71) Anthracene	12.33	178	47824	7.19	ng	100
74) Fluoranthene	13.73	202	216794	30.45	ng	96
77) Pyrene	14.00	202	182172	22.27	ng	# 95
80) Benzo(a)anthracene	15.47	228	109628	14.14	ng	96
82) Chrysene	15.52	228	76499	10.50	ng	97
87) Benzo(b)fluoranthene	16.74	252	130627	15.52	ng	# 96
88) Benzo(k)fluoranthene	16.74	252	130623	17.47	ng	# 96
89) Benzo(a)pyrene	17.10	252	76684	10.44	ng	# 93
91) Benzo(g,h,i)perylene	18.66	276	33590	4.56	ng	97

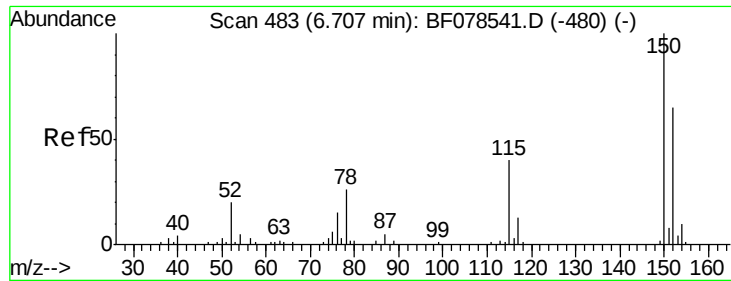
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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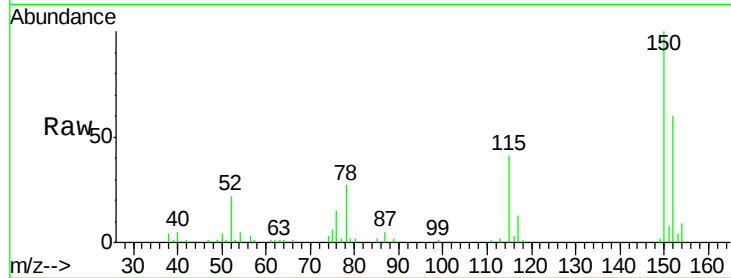


#1

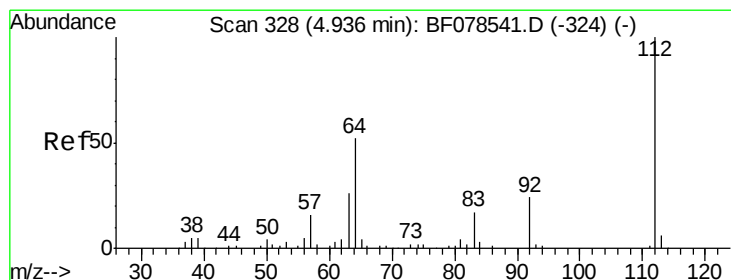
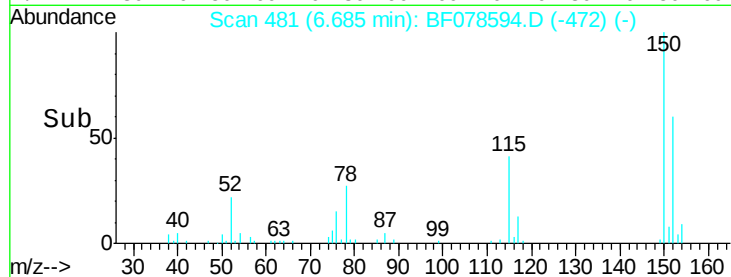
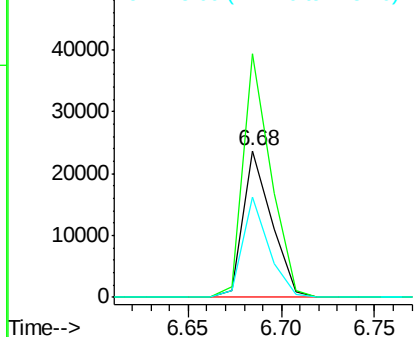
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Instrument :
 BNA_F
 ClientSampled :
 HS-SB04BDL

Tgt Ion:152 Resp: 25197
 Ion Ratio Lower Upper
 152 100
 150 165.7 125.9 188.9
 115 68.0 52.7 79.1



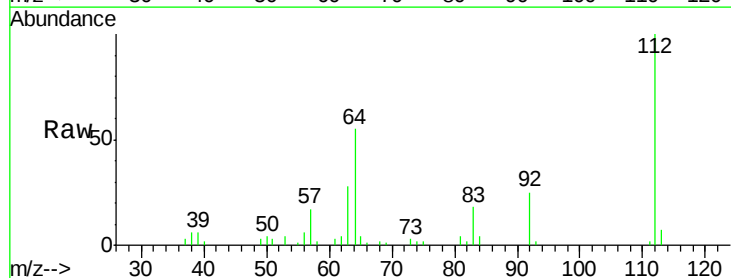
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



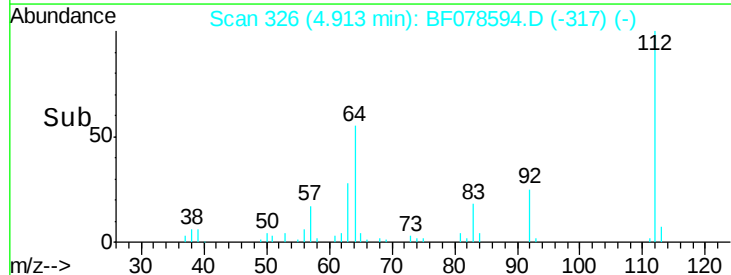
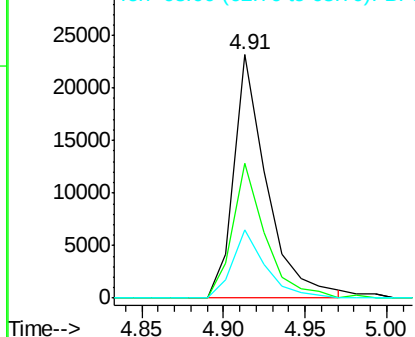
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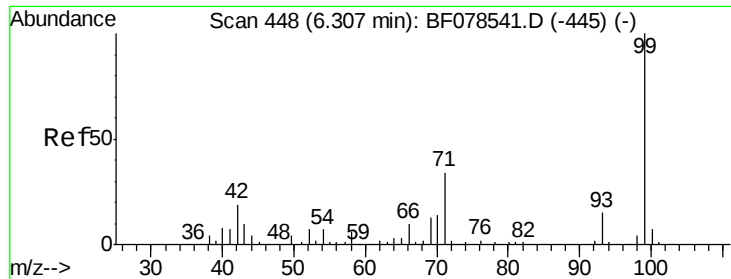
2-Fluorophenol
 Concen: 21.22 ng
 RT: 4.91 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Tgt Ion:112 Resp: 32430
 Ion Ratio Lower Upper
 112 100
 64 55.5 39.9 59.9
 63 27.8 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: 22.65 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF078594.D

Acq: 17 Apr 2015 6:36

Instrument :

BNA_F

ClientSampleId :

HS-SB04BDL

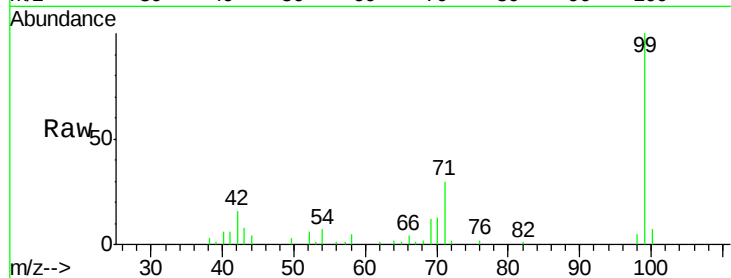
Tgt Ion: 99 Resp: 43374

Ion Ratio Lower Upper

99 100

42 16.5 14.8 22.2

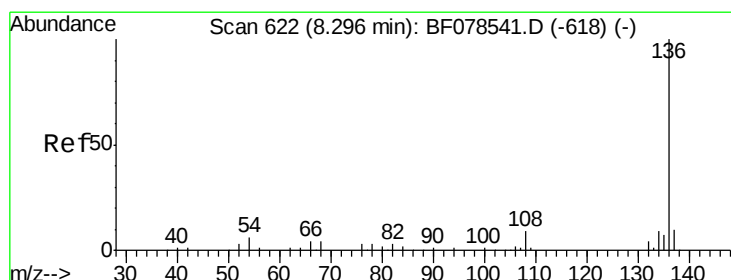
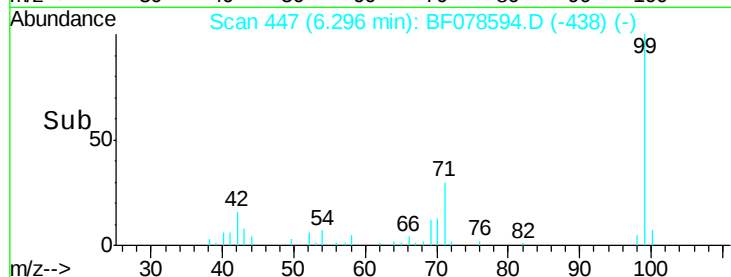
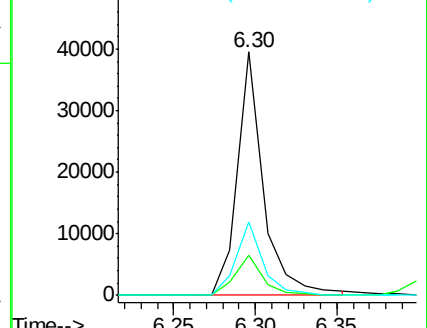
71 30.4 26.6 39.8



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: BF078594.D

Acq: 17 Apr 2015 6:36

Tgt Ion: 136 Resp: 108078

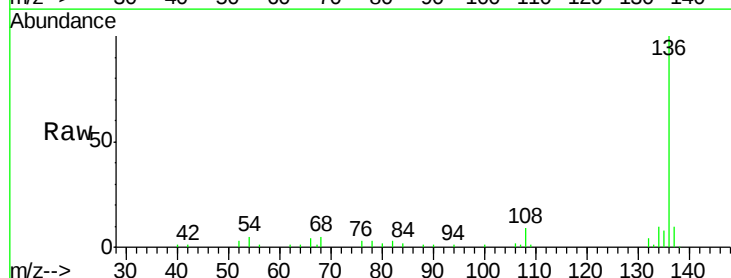
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 5.1 7.0 10.6#

68 4.6 5.4 8.2#

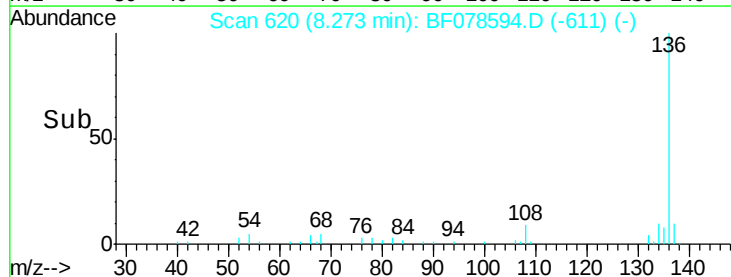
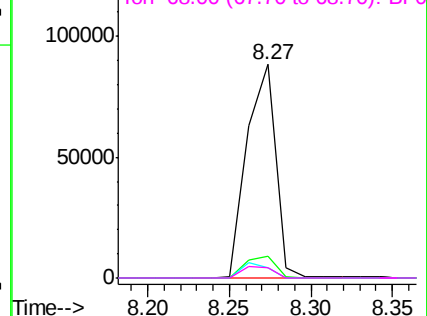


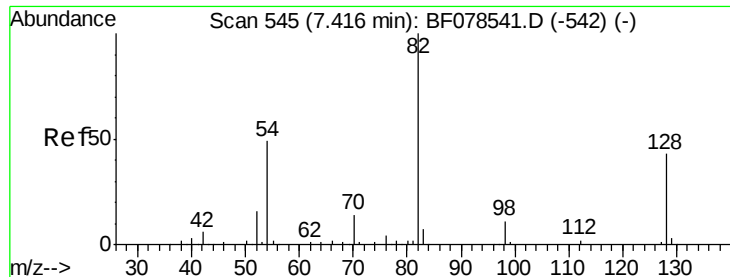
Abundance Ion 136.00 (135.70 to 136.70): E

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

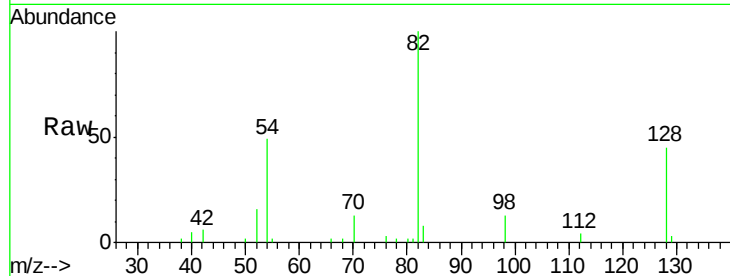




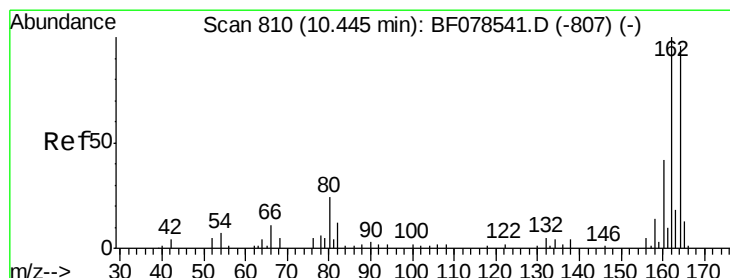
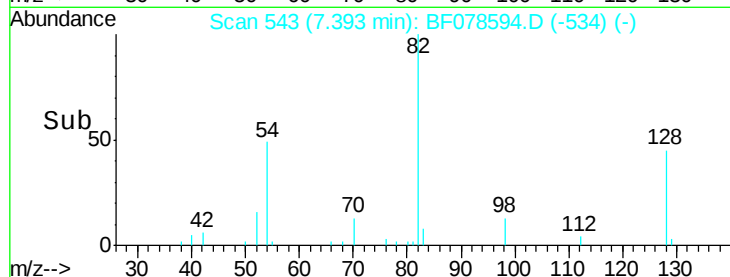
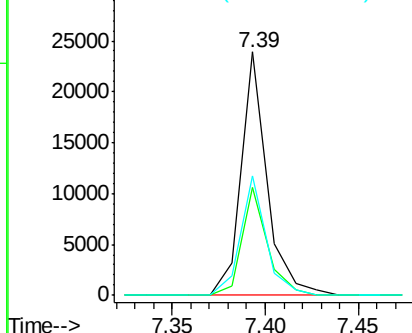
#23
 Nitrobenzene-d5
 Concen: 13.02 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04BDL

Tgt Ion: 82 Resp: 23217
 Ion Ratio Lower Upper
 82 100
 128 44.5 31.8 47.8
 54 49.1 41.5 62.3

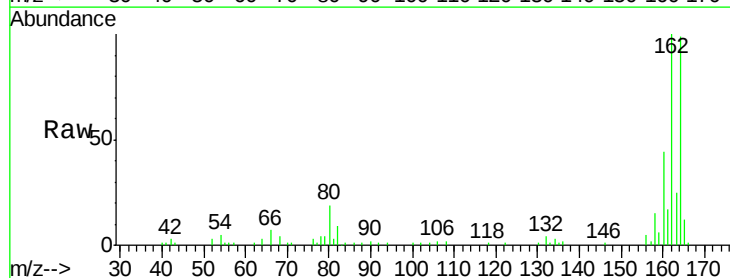


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

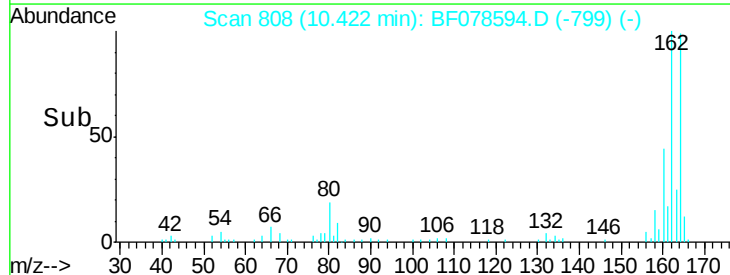
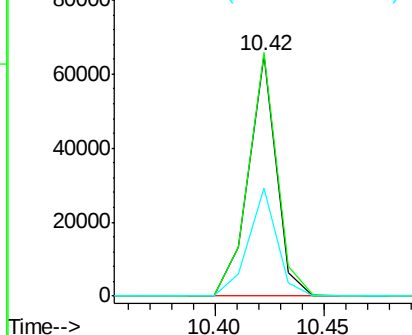


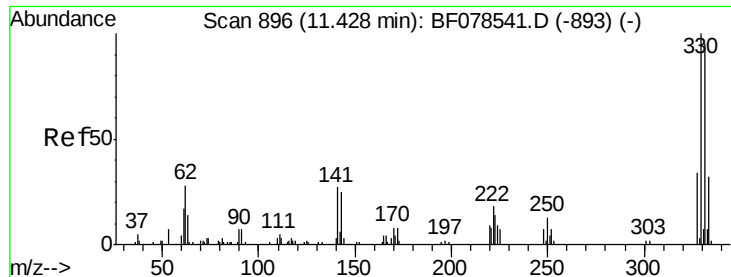
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Tgt Ion: 164 Resp: 58081
 Ion Ratio Lower Upper
 164 100
 162 101.1 82.2 123.2
 160 44.7 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

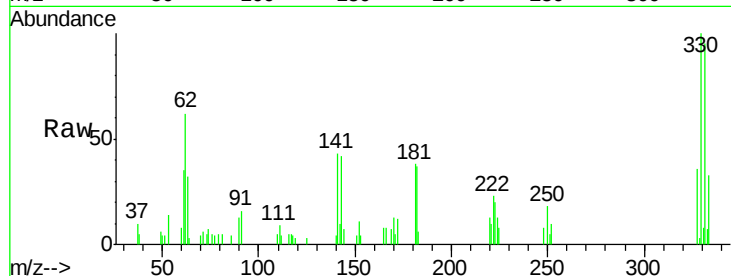




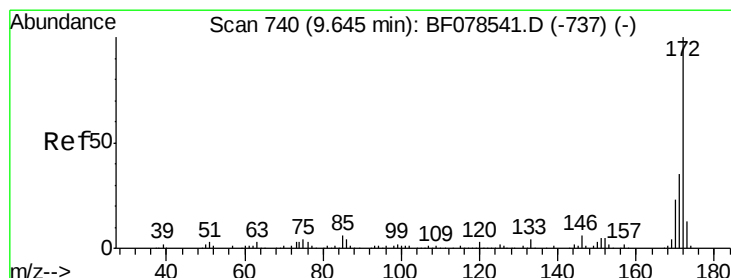
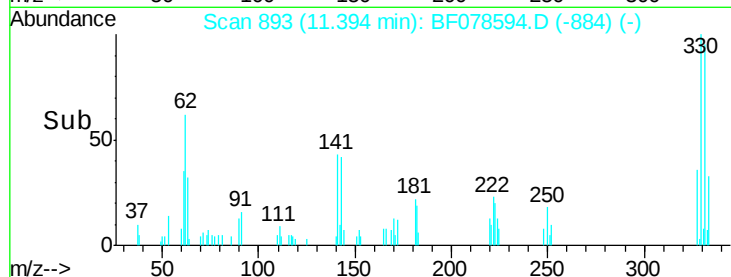
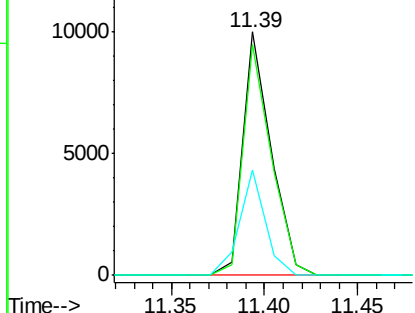
#41
 2,4,6-Tribromophenol
 Concen: 21.81 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04BDL

Tgt Ion:330 Resp: 10504
 Ion Ratio Lower Upper
 330 100
 332 95.1 78.6 117.8
 141 39.8 31.2 46.8

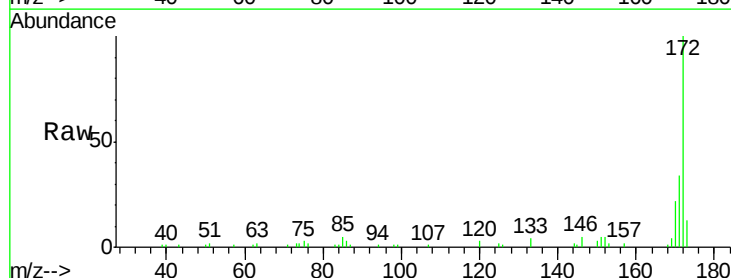


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

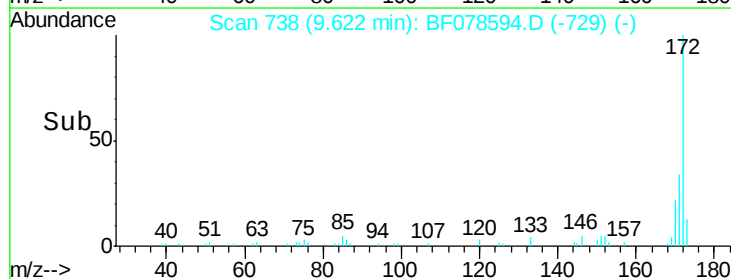
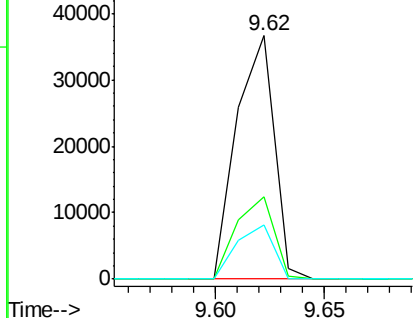


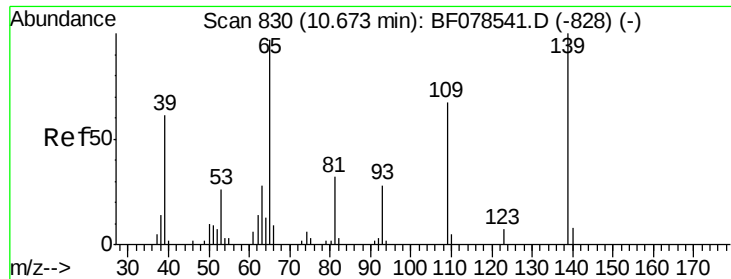
#44
 2-Fluorobiphenyl
 Concen: 10.84 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Tgt Ion:172 Resp: 44039
 Ion Ratio Lower Upper
 172 100
 171 33.7 28.6 42.8
 170 22.5 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

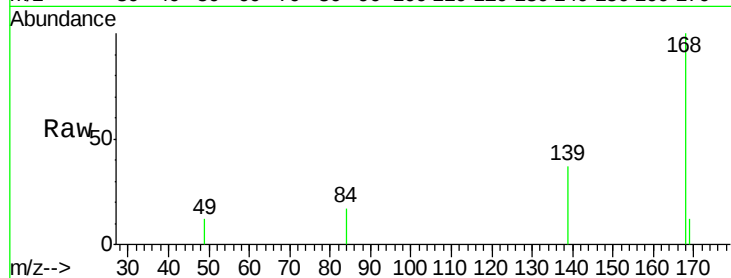




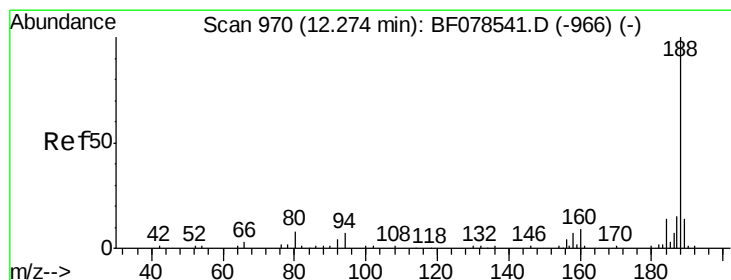
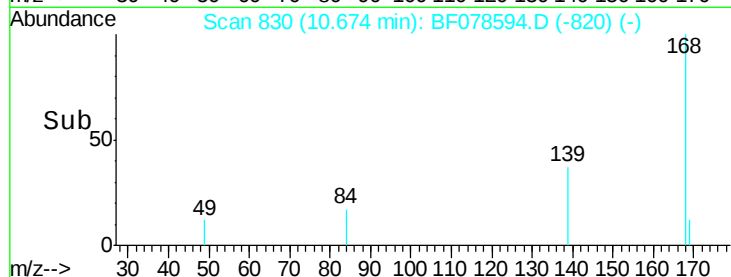
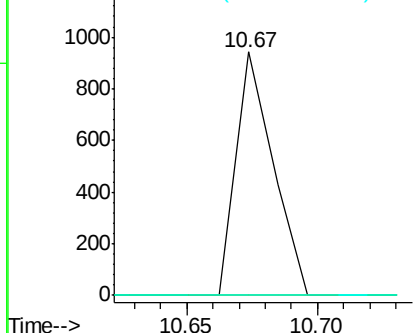
#55
 4-Nitrophenol
 Concen: 3.97 ng
 RT: 10.67 min Scan# 830
 Delta R.T. 0.01 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04BDL

Tgt Ion:139 Resp: 941
 Ion Ratio Lower Upper
 139 100
 109 0.0 36.7 76.7#
 65 0.0 49.9 89.9#

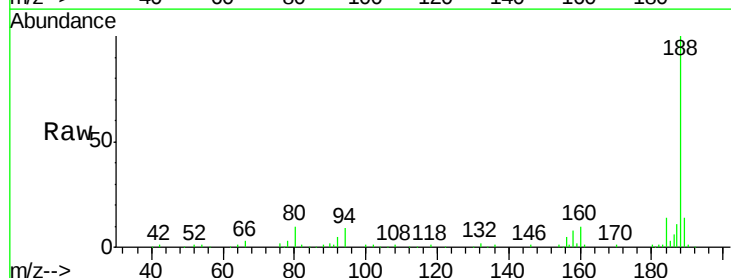


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

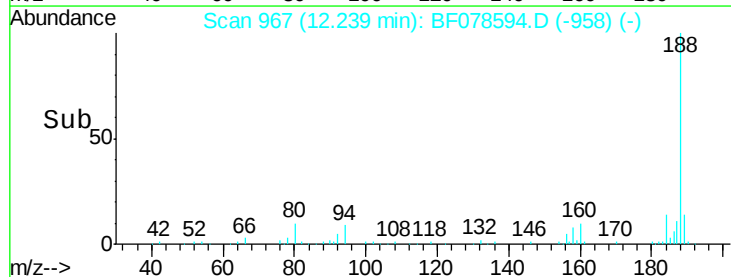
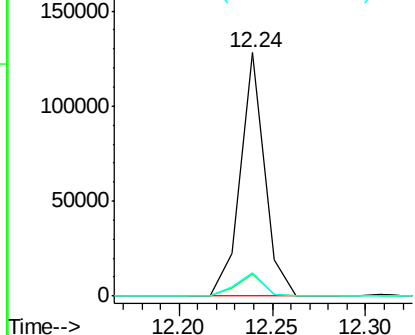


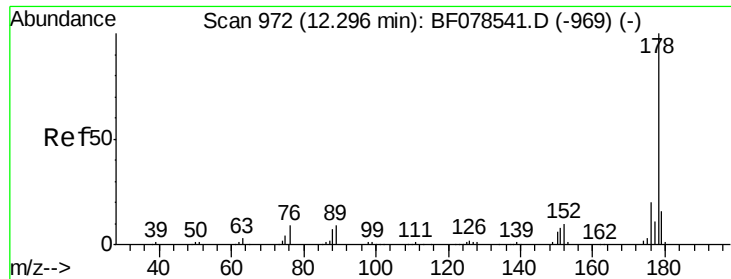
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Tgt Ion:188 Resp: 116711
 Ion Ratio Lower Upper
 188 100
 94 8.9 9.0 13.4#
 80 9.9 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

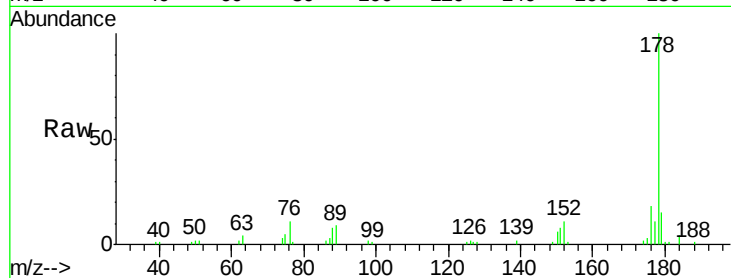




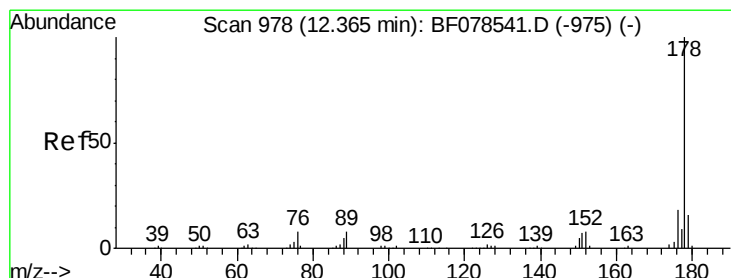
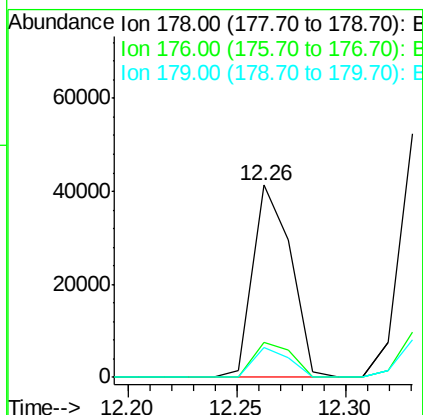
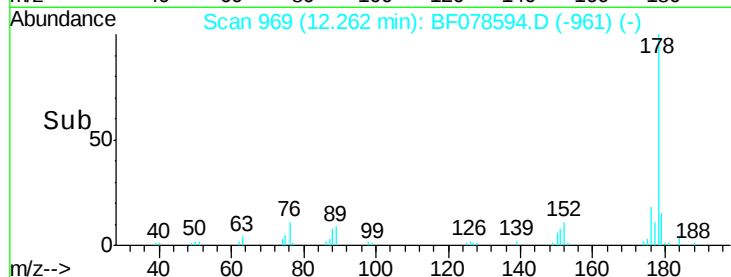
#70
 Phenanthrene
 Concen: 7.46 ng
 RT: 12.26 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Instrument :
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 ClientSampleId :
 HS-SB04BDL

Tgt Ion:178 Resp: 50383
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.5 12.2 18.2

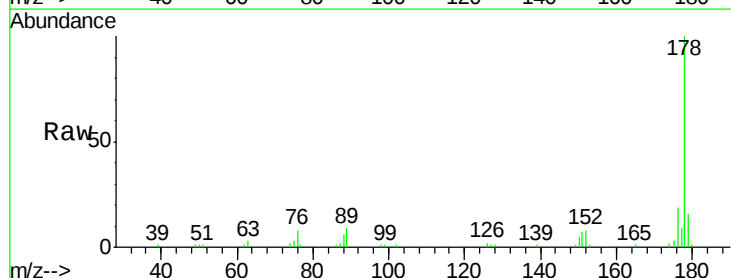


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

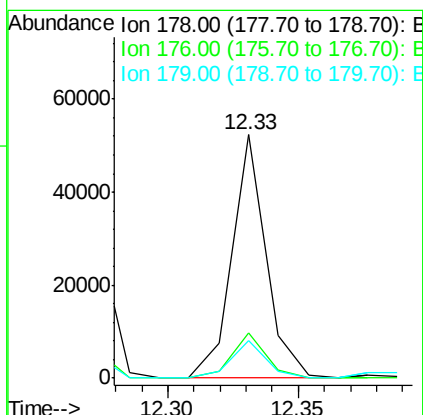
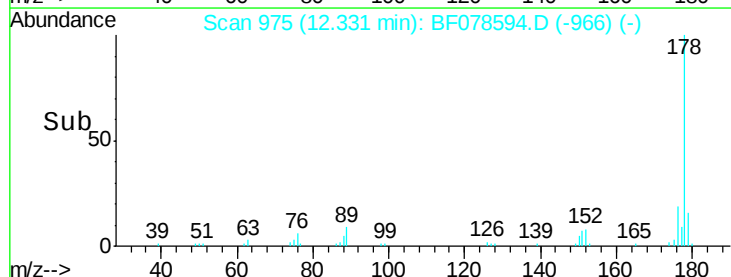


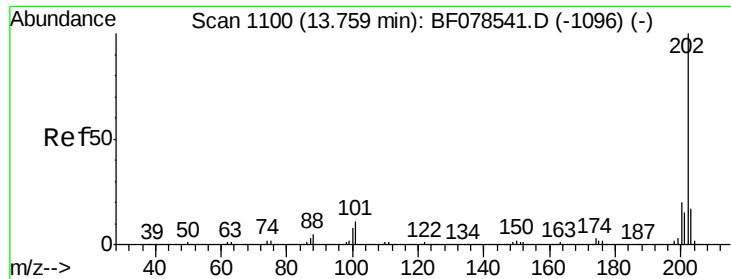
#71
 Anthracene
 Concen: 7.19 ng
 RT: 12.33 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Tgt Ion:178 Resp: 47824
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 15.5 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

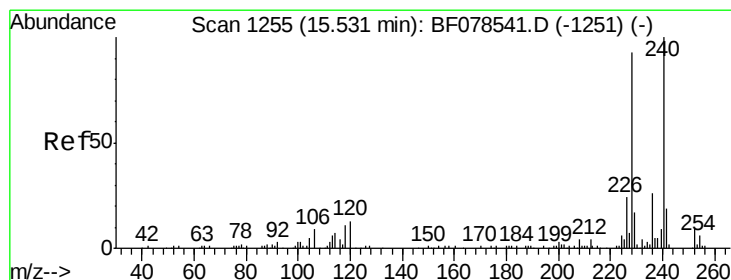
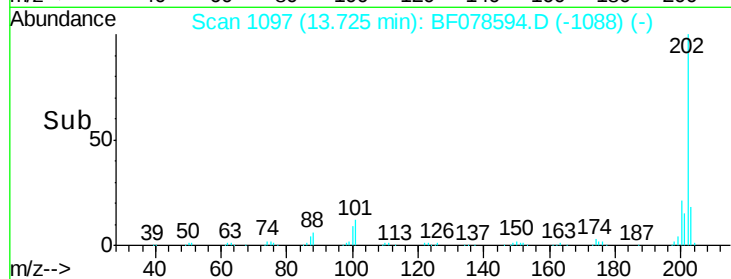
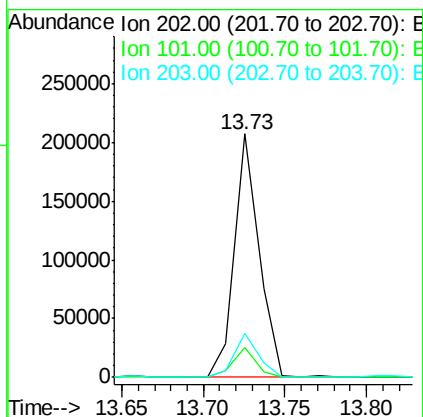
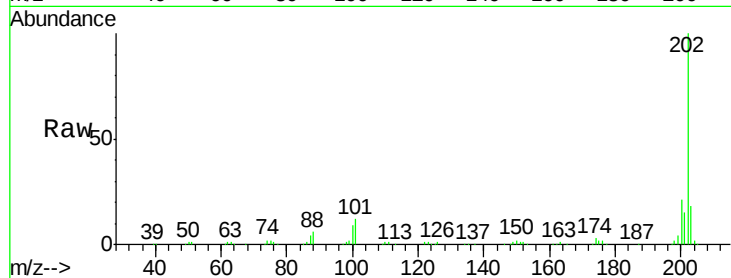




#74
Fluoranthene
Concen: 30.45 ng
RT: 13.73 min Scan# 1097
Delta R.T. 0.00 min
Lab File: BF078594.D
Acq: 17 Apr 2015 6:36

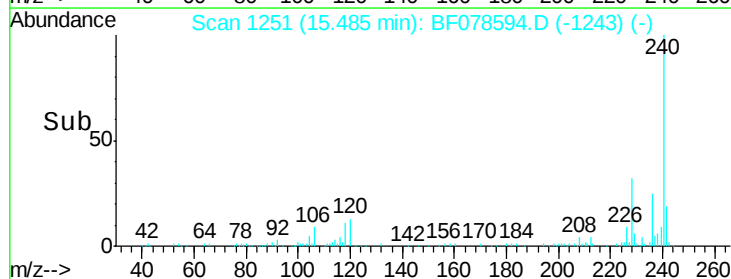
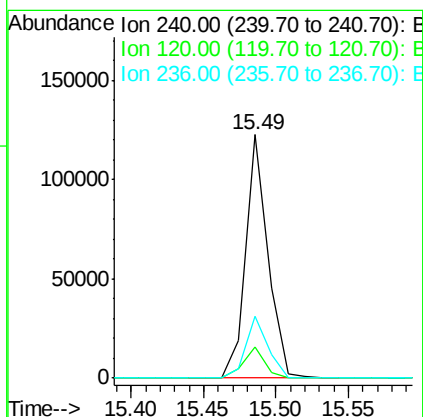
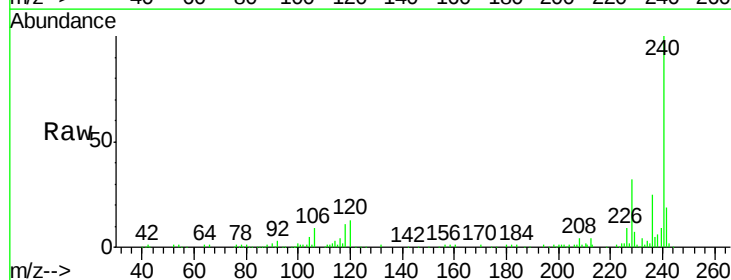
Instrument :
BNA_F
ClientSampled :
HS-SB04BDL

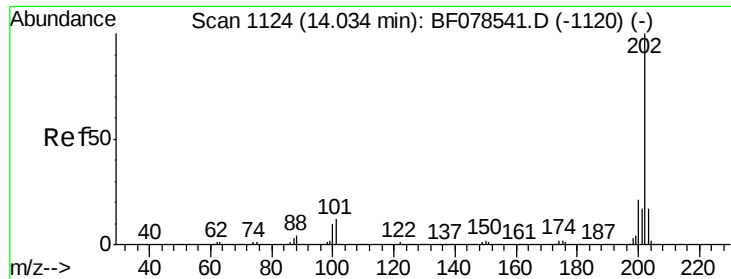
Tgt Ion: 202 Resp: 216794
Ion Ratio Lower Upper
202 100
101 12.4 0.0 35.2
203 17.9 0.0 38.5



#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF078594.D
Acq: 17 Apr 2015 6:36

Tgt Ion: 240 Resp: 130298
Ion Ratio Lower Upper
240 100
120 13.0 7.1 10.7#
236 25.4 21.4 32.2





#77

Pyrene

Concen: 22.27 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF078594.D

Acq: 17 Apr 2015 6:36

Instrument :

BNA_F

ClientSampleId :

HS-SB04BDL

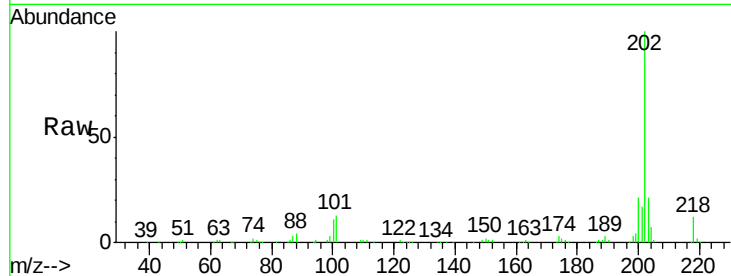
Tgt Ion:202 Resp: 182172

Ion Ratio Lower Upper

202 100

200 21.3 16.3 24.5

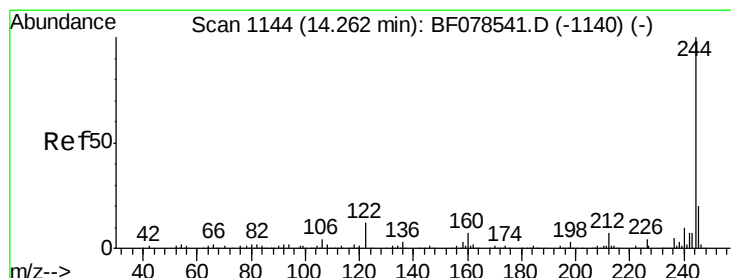
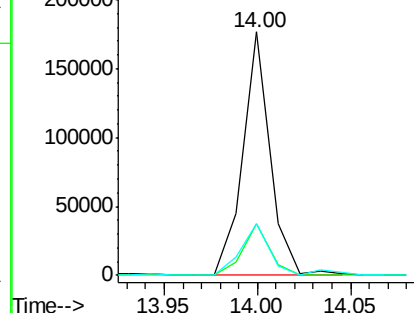
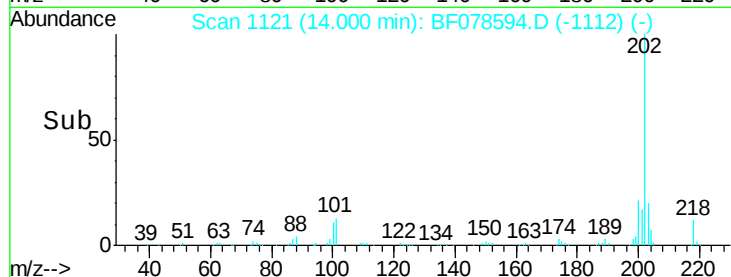
203 21.2 13.8 20.6#



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: 10.23 ng

RT: 14.23 min Scan# 1141

Delta R.T. 0.00 min

Lab File: BF078594.D

Acq: 17 Apr 2015 6:36

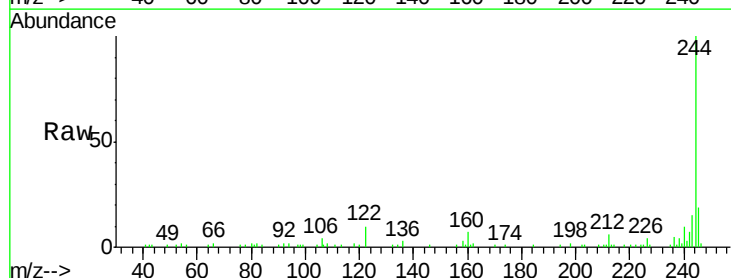
Tgt Ion:244 Resp: 58969

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

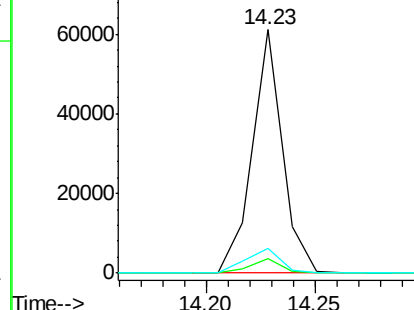
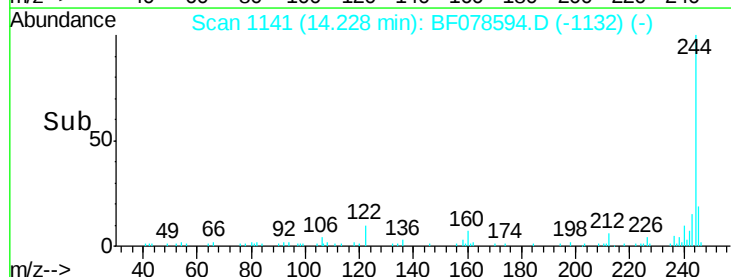
122 10.3 7.1 10.7

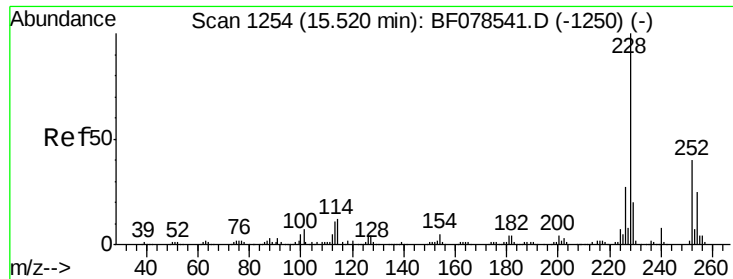


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.14 ng

RT: 15.47 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF078594.D

Acq: 17 Apr 2015 6:36

Instrument :

BNA_F

ClientSampleId :

HS-SB04BDL

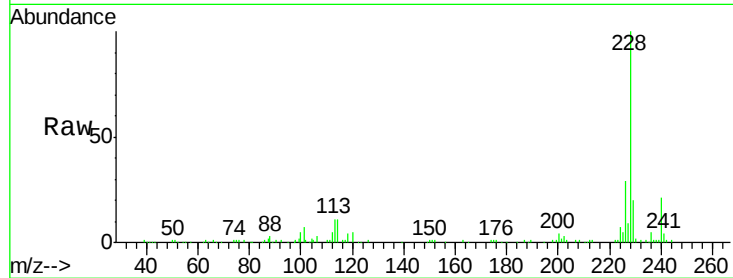
Tgt Ion:228 Resp: 109628

Ion Ratio Lower Upper

228 100

226 29.3 21.3 31.9

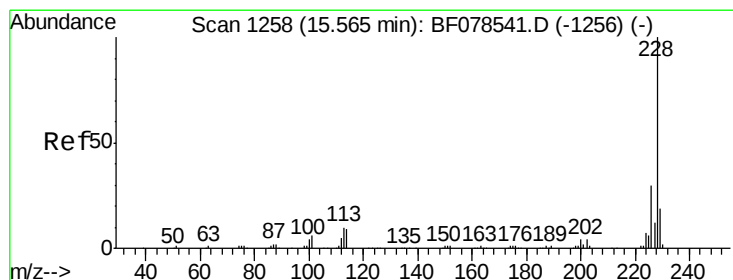
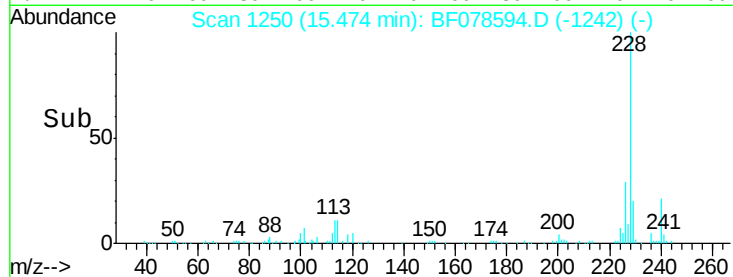
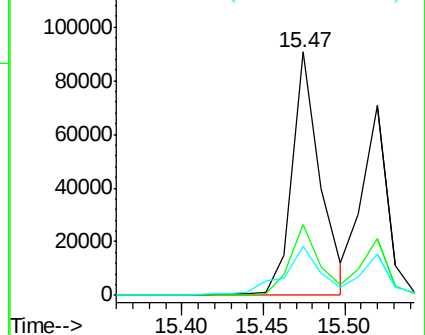
229 20.1 15.4 23.2



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: 10.50 ng

RT: 15.52 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BF078594.D

Acq: 17 Apr 2015 6:36

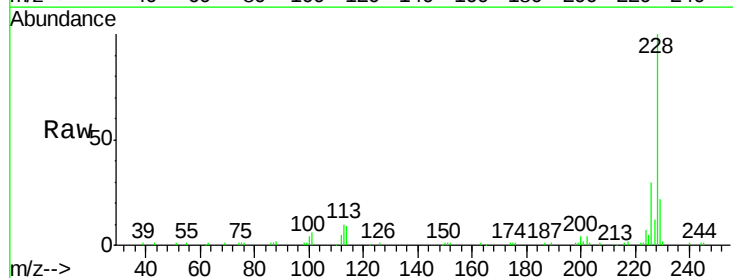
Tgt Ion:228 Resp: 76499

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

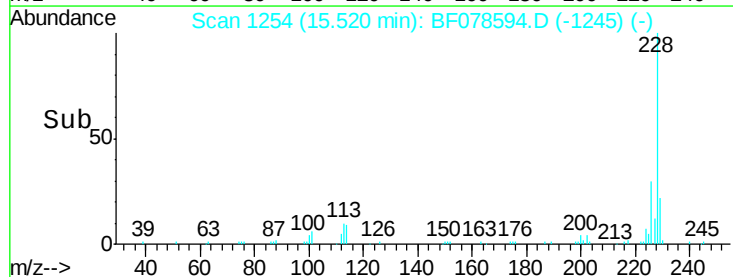
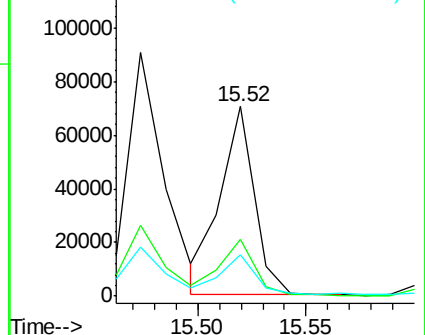
229 22.1 15.8 23.8

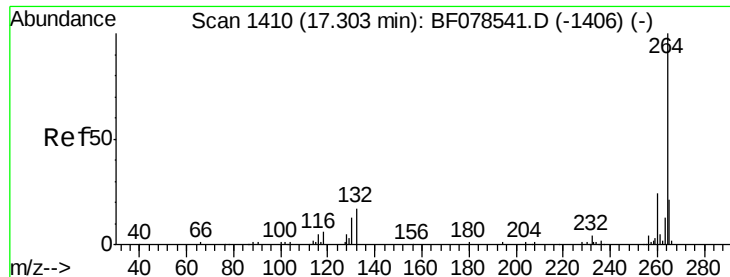


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

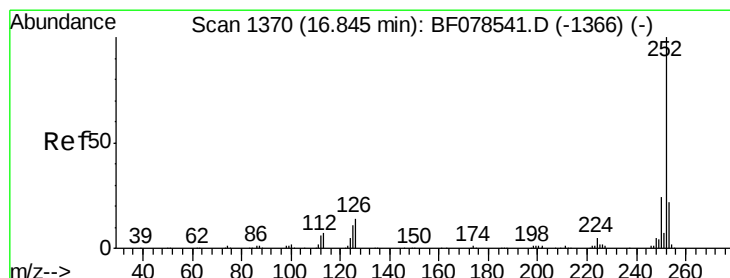
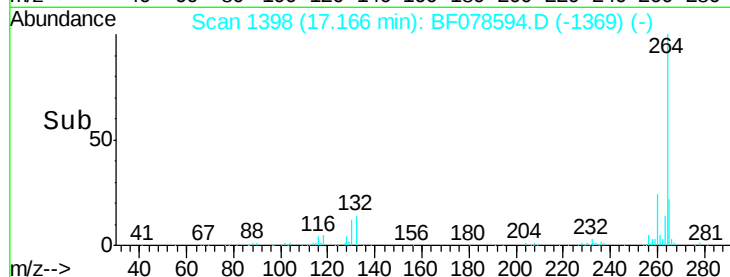
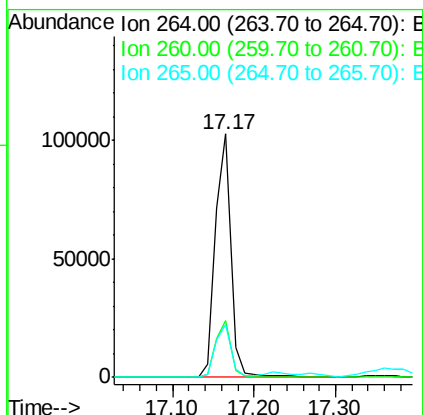
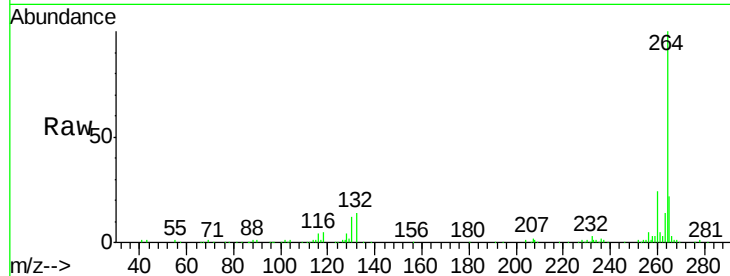




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.17 min Scan# 1398
Delta R.T. 0.03 min
Lab File: BF078594.D
Acq: 17 Apr 2015 6:36

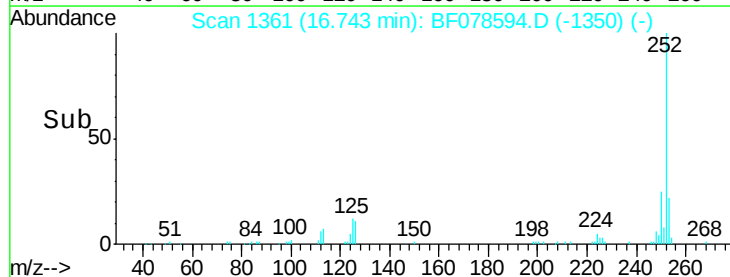
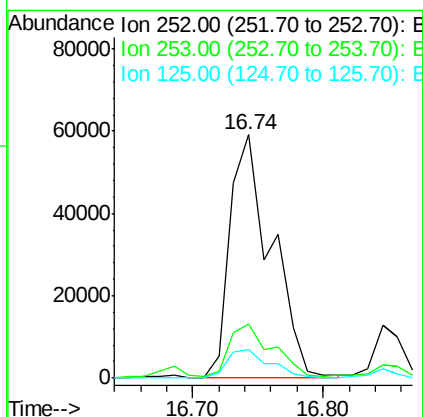
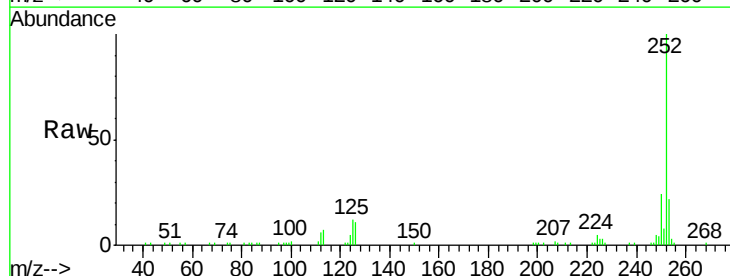
Instrument :
BNA_F
ClientSampleId :
HS-SB04BDL

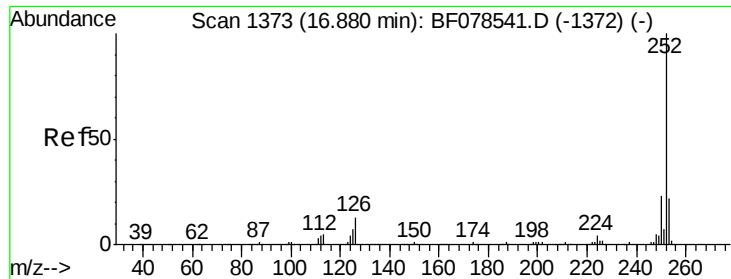
Tgt Ion: 264 Resp: 136148
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 21.6 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 15.52 ng
RT: 16.74 min Scan# 1361
Delta R.T. 0.02 min
Lab File: BF078594.D
Acq: 17 Apr 2015 6:36

Tgt Ion: 252 Resp: 130627
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 11.5 7.0 10.4#

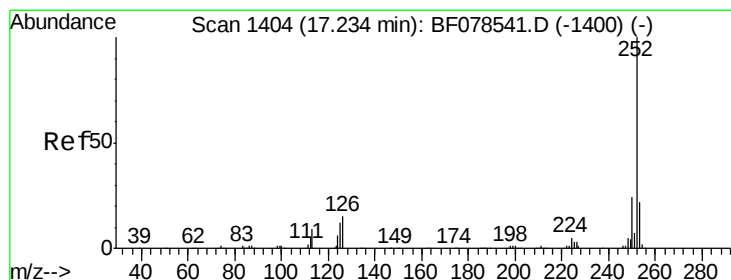
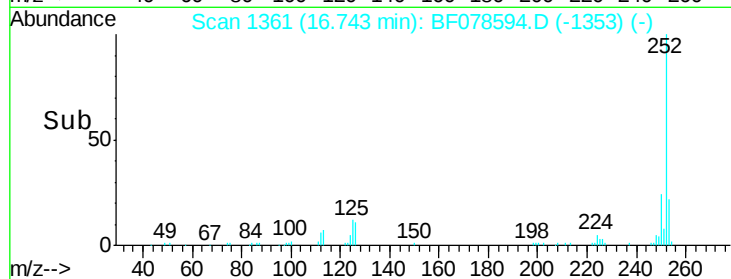
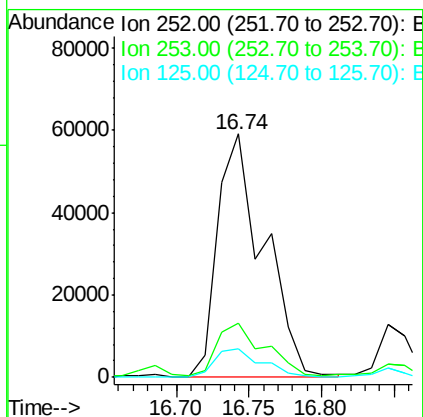
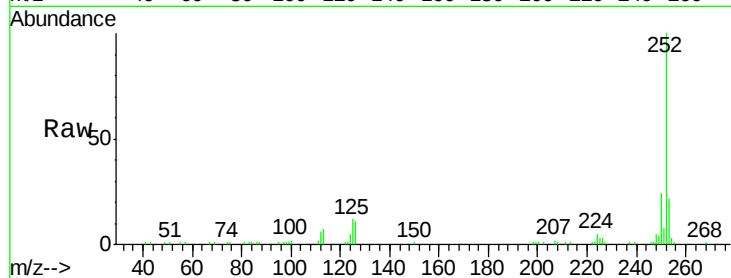




#88
Benzo(k)fluoranthene
Concen: 17.47 ng
RT: 16.74 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF078594.D
Acq: 17 Apr 2015 6:36

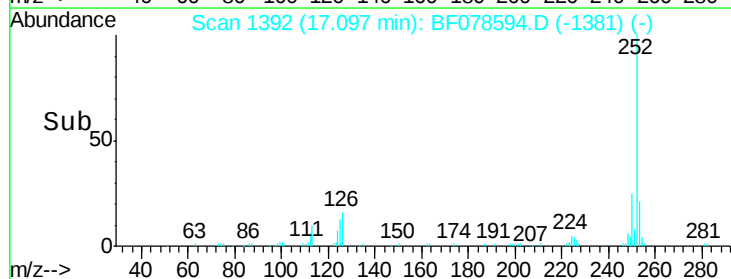
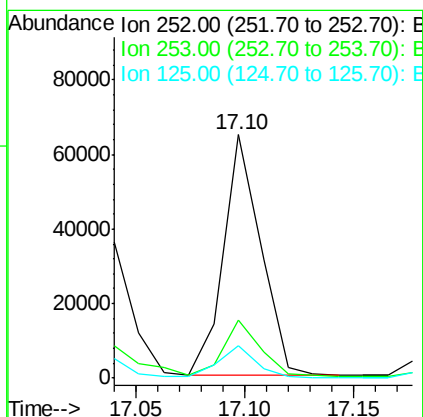
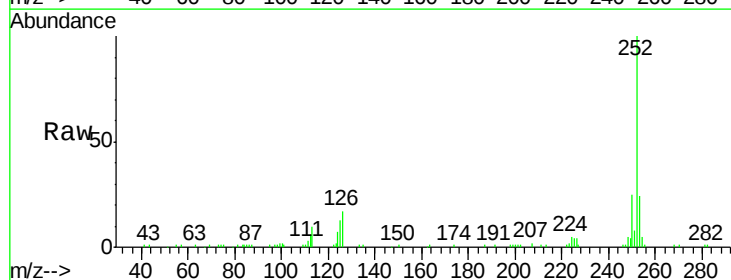
Instrument :
BNA_F
ClientSampleId :
HS-SB04BDL

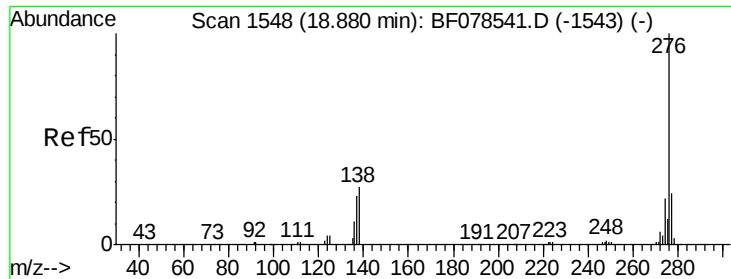
Tgt Ion:252 Resp: 130623
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.5 11.6 17.4#



#89
Benzo(a)pyrene
Concen: 10.44 ng
RT: 17.10 min Scan# 1392
Delta R.T. 0.02 min
Lab File: BF078594.D
Acq: 17 Apr 2015 6:36

Tgt Ion:252 Resp: 76684
Ion Ratio Lower Upper
252 100
253 23.6 16.8 25.2
125 13.2 7.4 11.0#





#91

Benzo(g,h,i)perylene

Concen: 4.56 ng

RT: 18.66 min Scan# 1529

Delta R.T. 0.06 min

Lab File: BF078594.D

Acq: 17 Apr 2015 6:36

Instrument :

BNA_F

ClientSampleId :

HS-SB04BDL

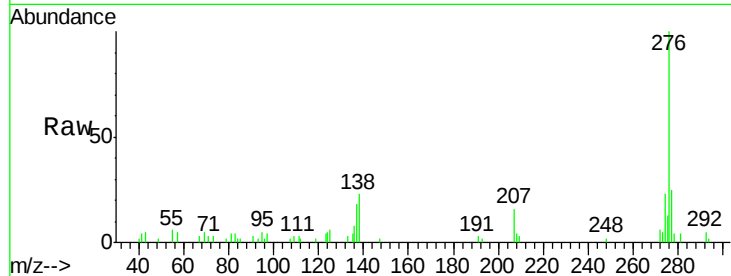
Tgt Ion: 276 Resp: 33590

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 22.9 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

