

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 06:56:23 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

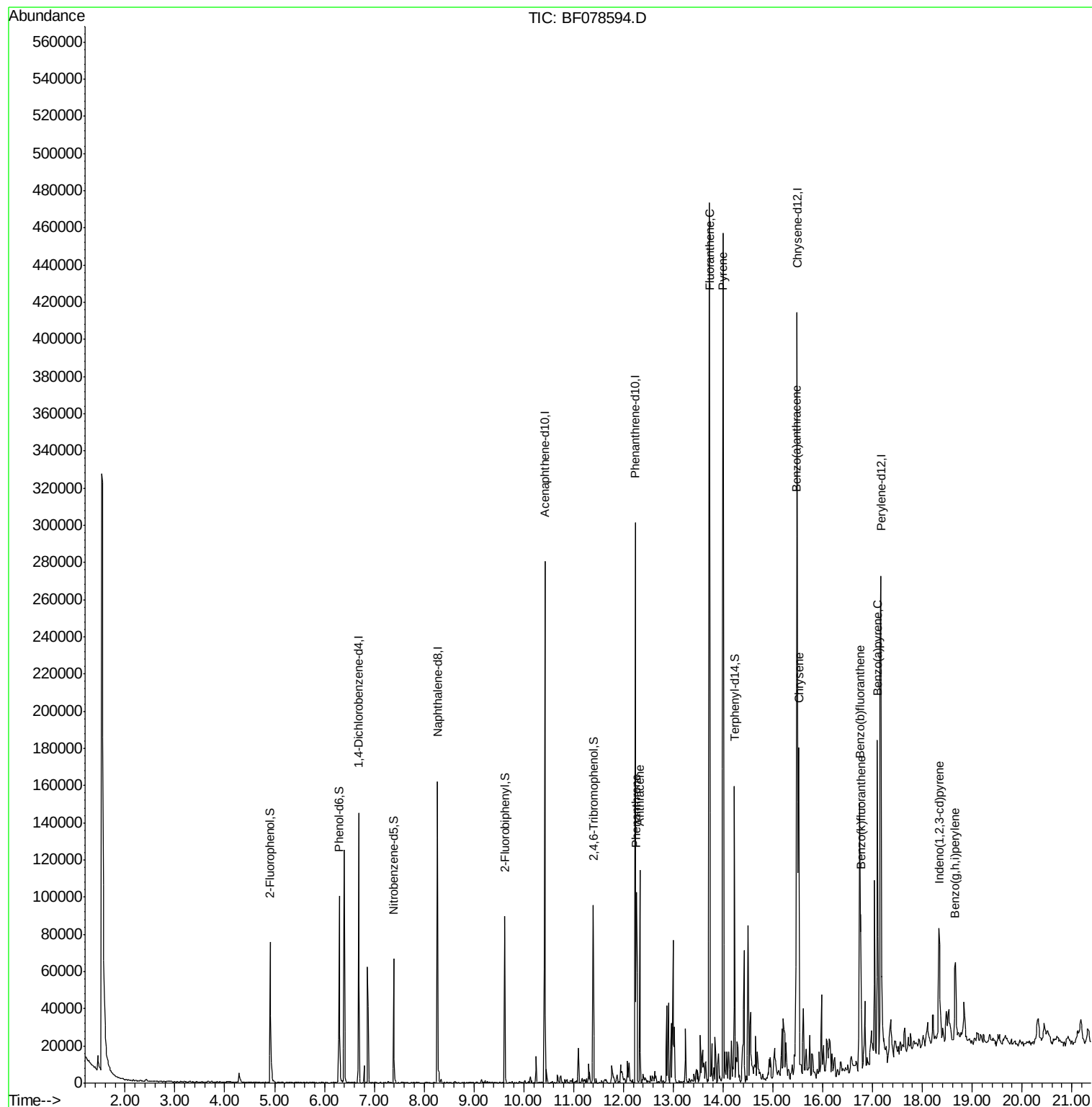
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	25197	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	108078	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	58081	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	116711	20.00	ng	0.00
75) Chrysene-d12	15.49	240	130298	20.00	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
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
85) Indeno(1,2,3-cd)pyrene	18.33	276	40644m	4.92	ng	
87) Benzo(b)fluoranthene	16.74	252	96290m	11.44	ng	
88) Benzo(k)fluoranthene	16.77	252	33880m	4.53	ng	
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

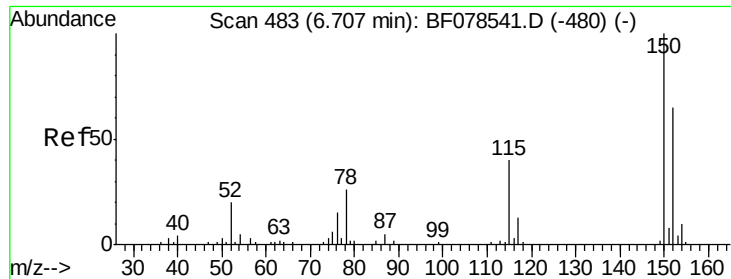
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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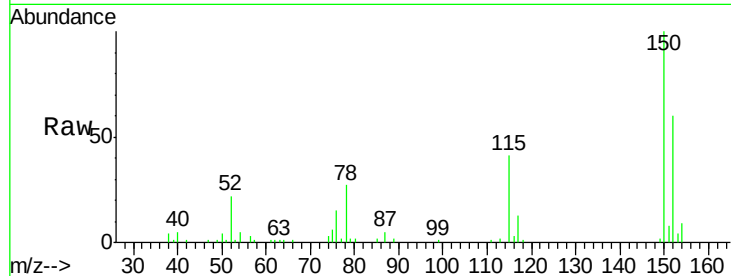


#1

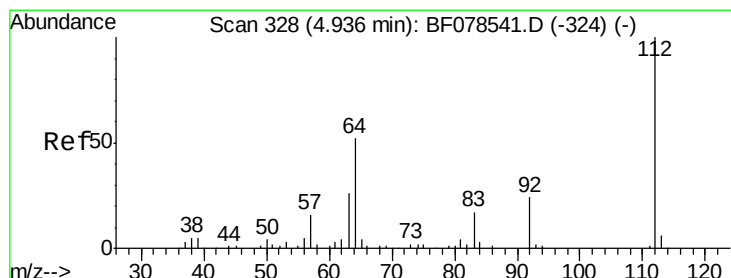
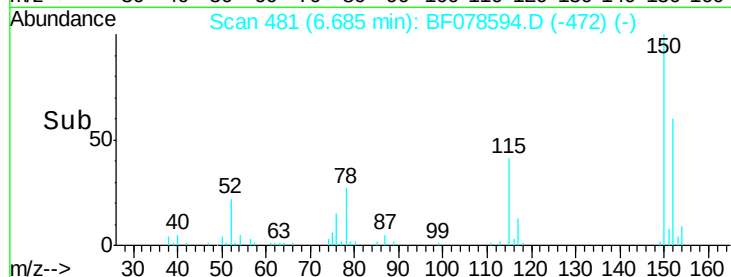
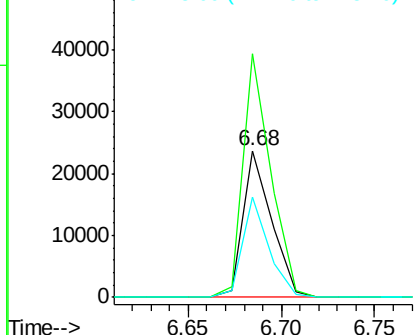
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Instrument :
 BNA_F
 ClientSampleId :
 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



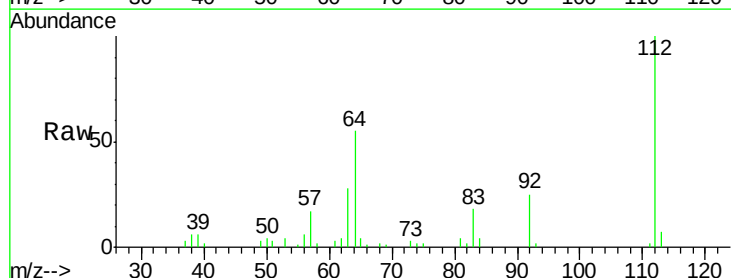
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



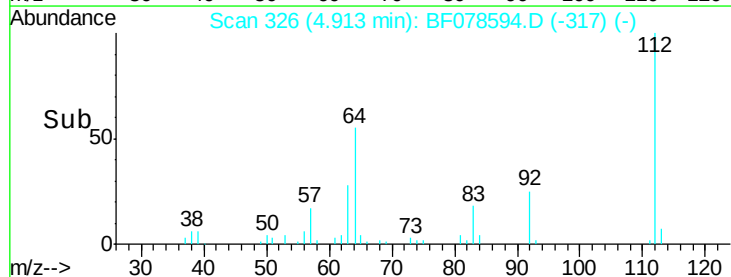
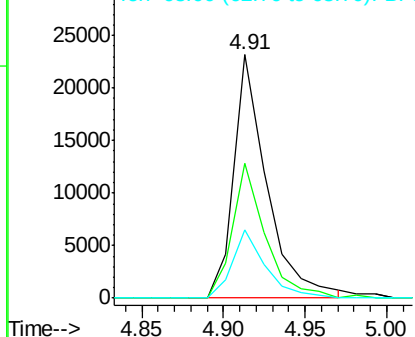
#5

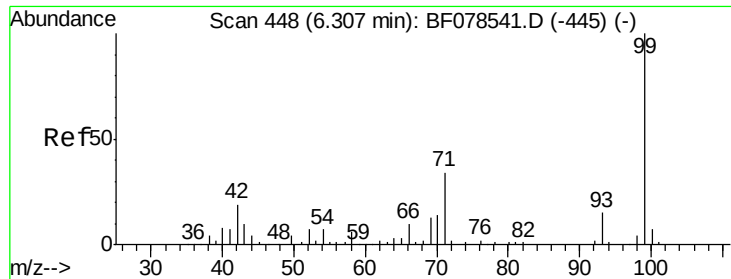
2-Fluorophenol
 Concen: 21.22 ng
 RT: 4.91 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

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

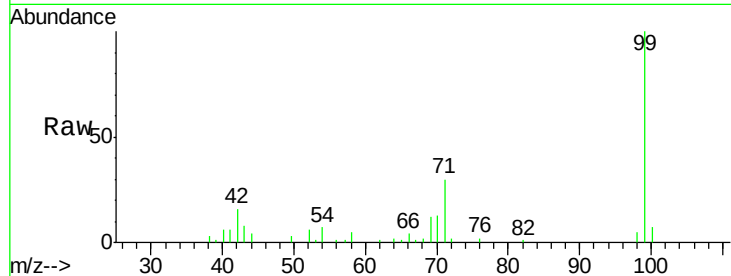
Tgt Ion: 99 Resp: 43374

Ion Ratio Lower Upper

99 100

42 16.5 14.8 22.2

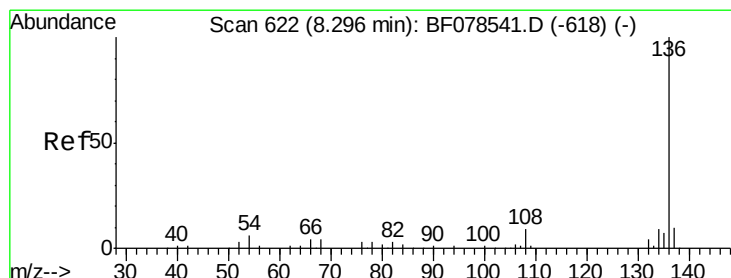
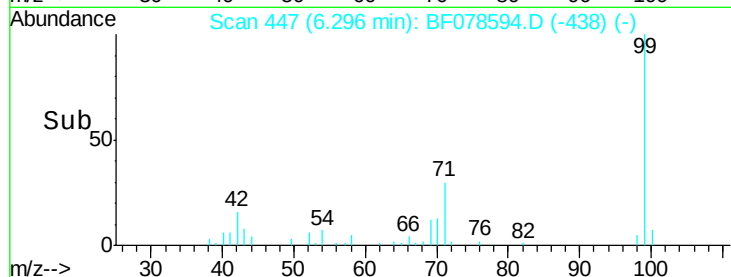
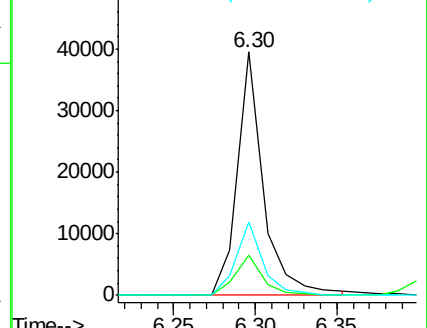
71 30.4 26.6 39.8



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

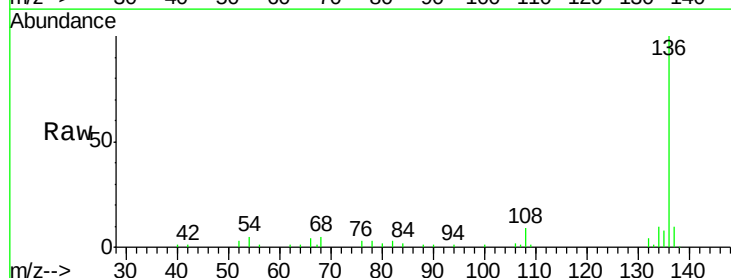
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 5.1 7.0 10.6#

68 4.6 5.4 8.2#

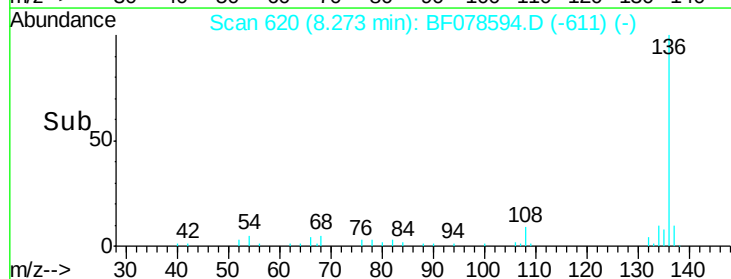
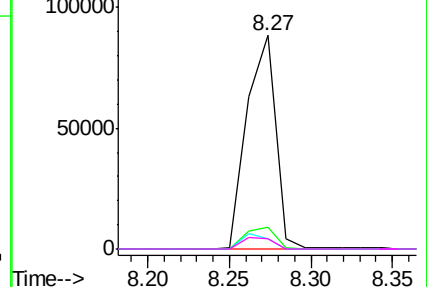


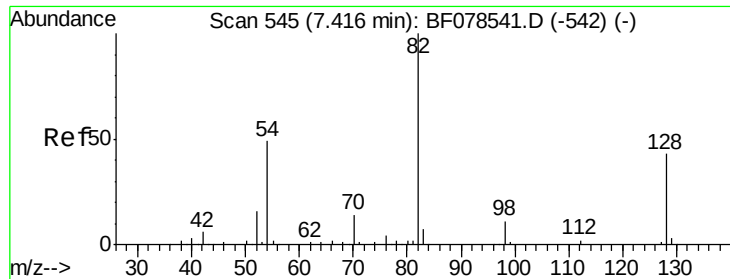
Abundance Ion 136.00 (135.70 to 136.70): E

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

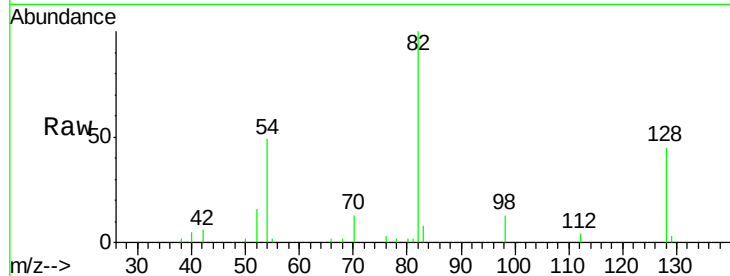




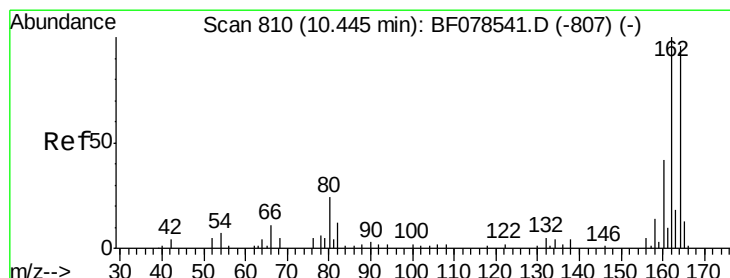
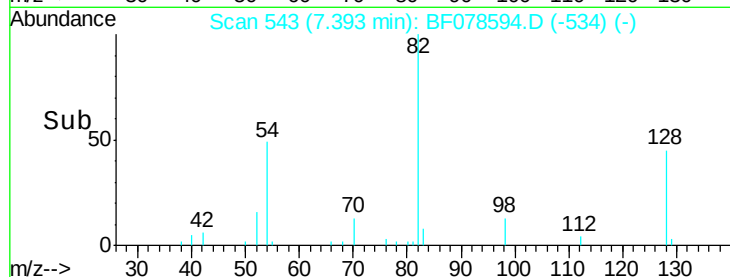
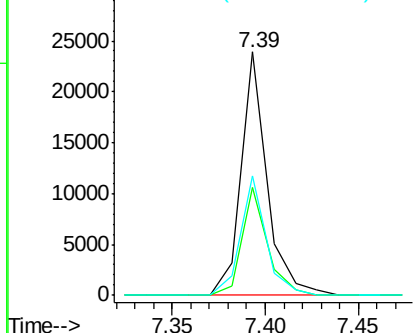
#23
 Nitrobenzene-d5
 Concen: 13.02 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

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

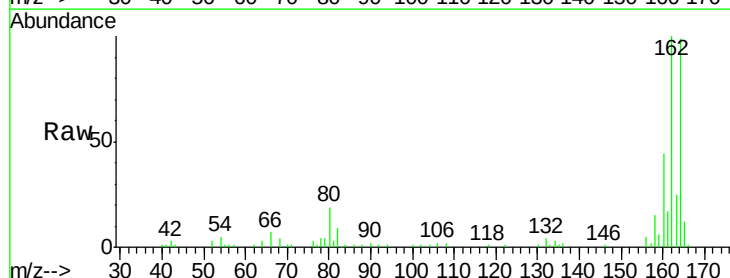


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

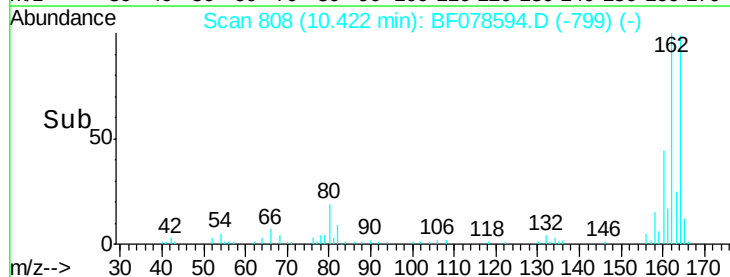
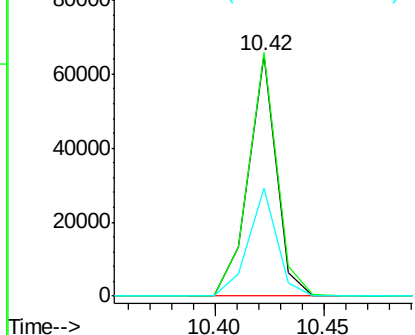


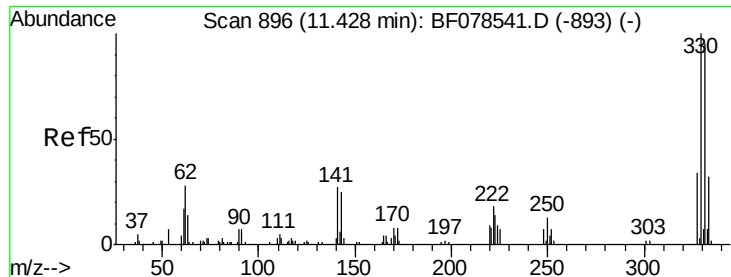
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

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

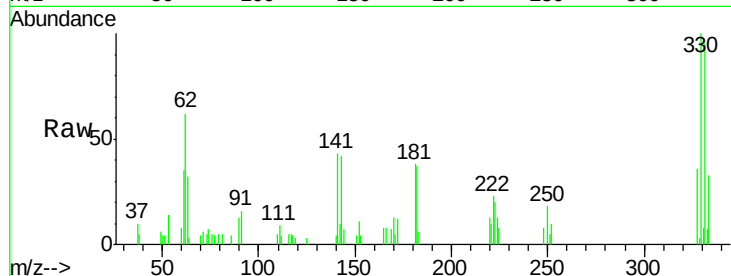




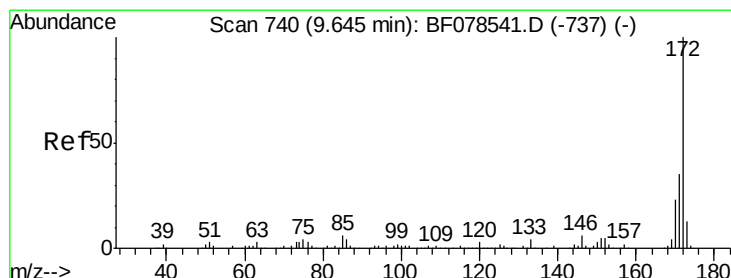
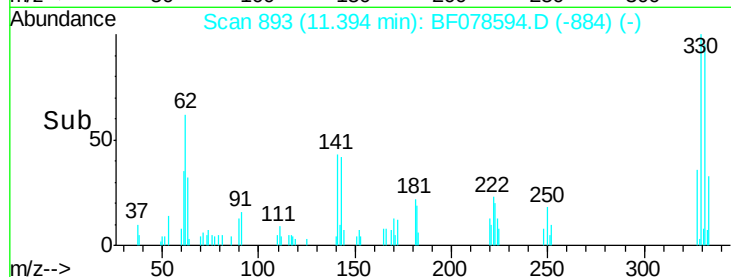
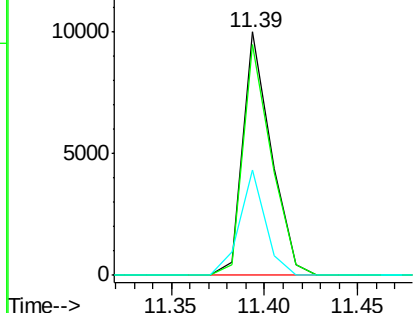
#41
 2,4,6-Tribromophenol
 Concen: 21.81 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

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

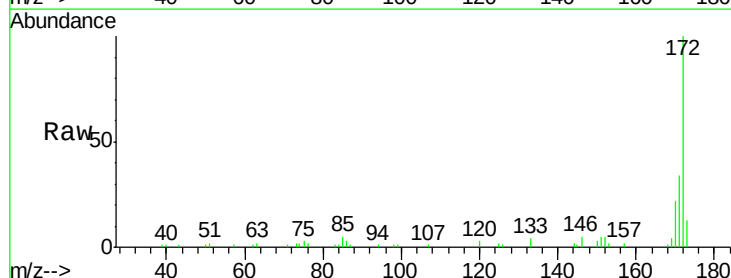


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

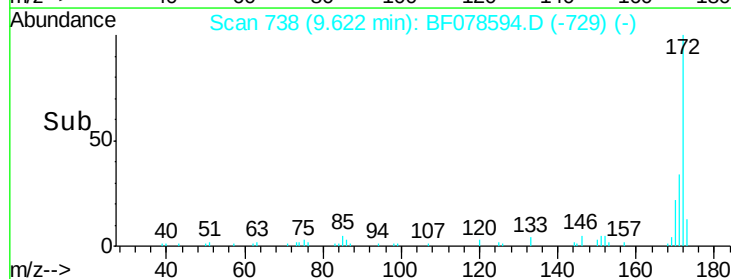
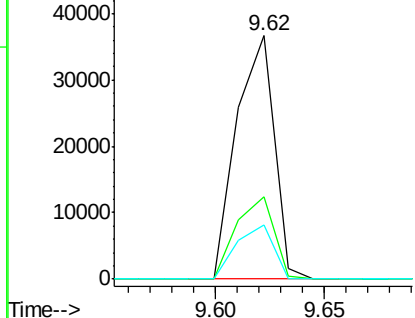


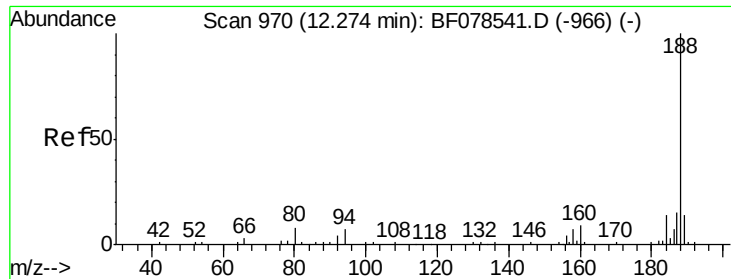
#44
 2-Fluorobiphenyl
 Concen: 10.84 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

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

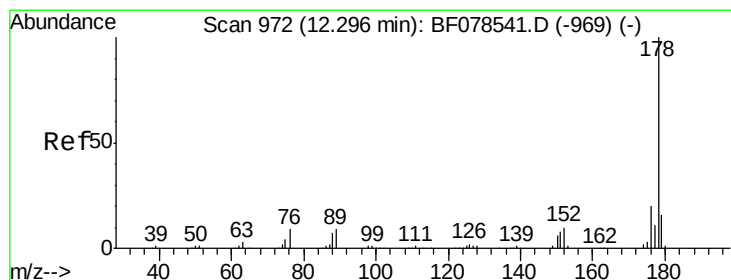
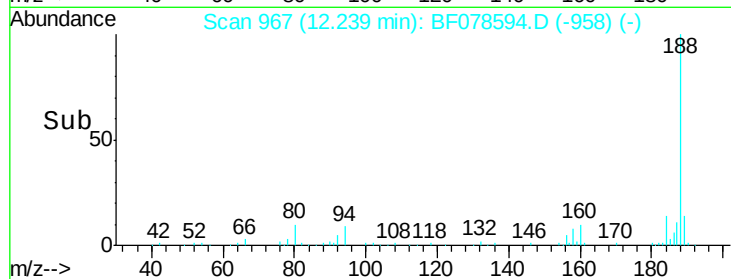
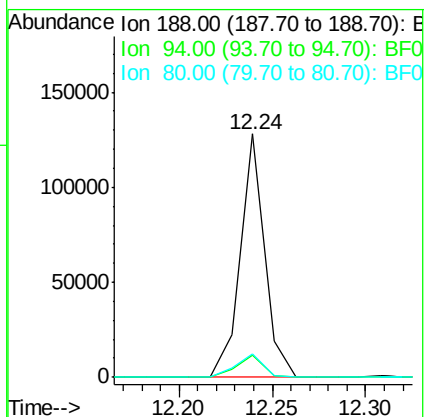
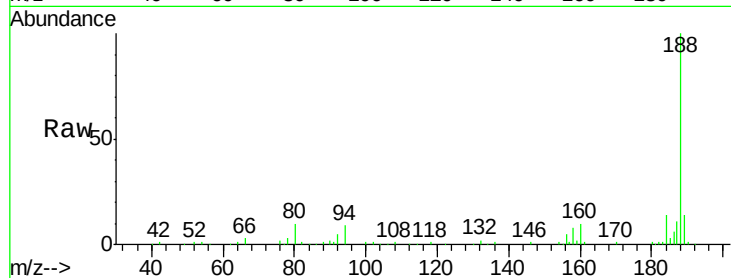




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

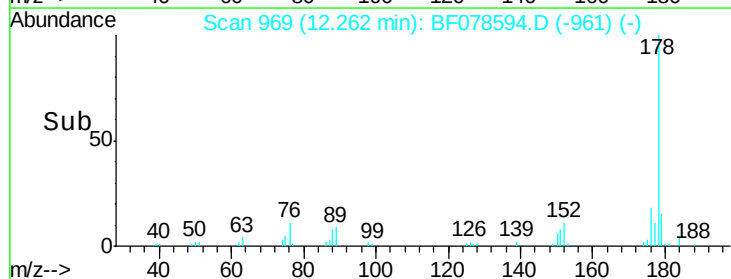
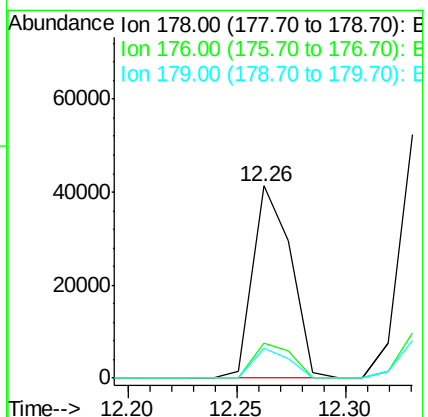
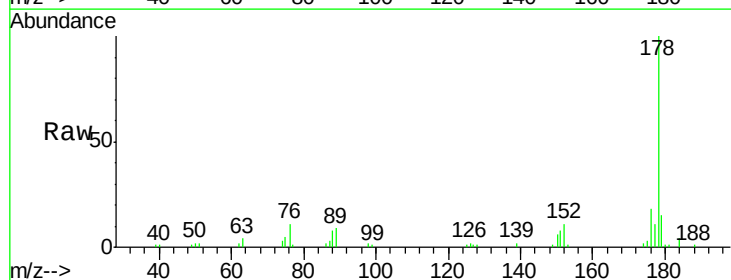
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 BNA_F
 ClientSampleId :
 HS-SB04BDL

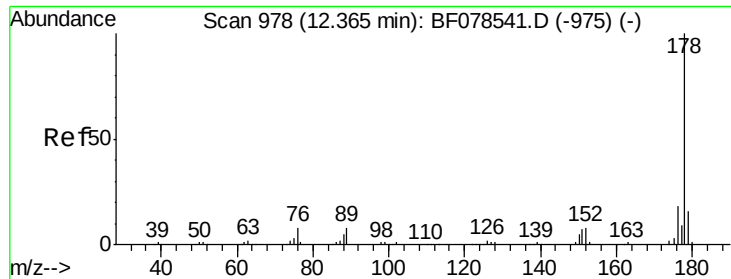
Tgt Ion:188 Resp: 116711
 Ion Ratio Lower Upper
 188 100
 94 8.9 9.0 13.4#
 80 9.9 9.5 14.3



#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

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

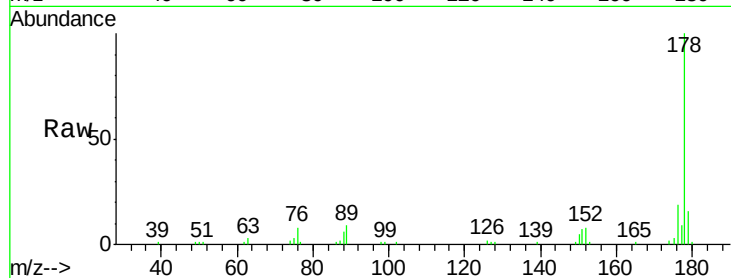




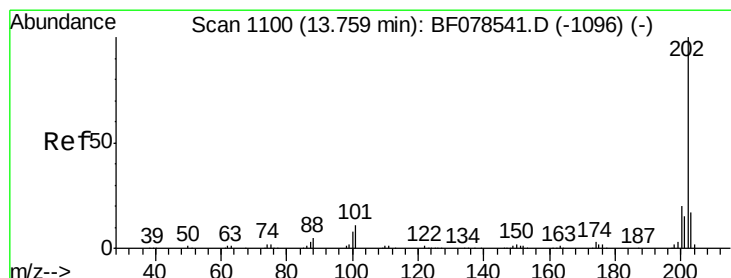
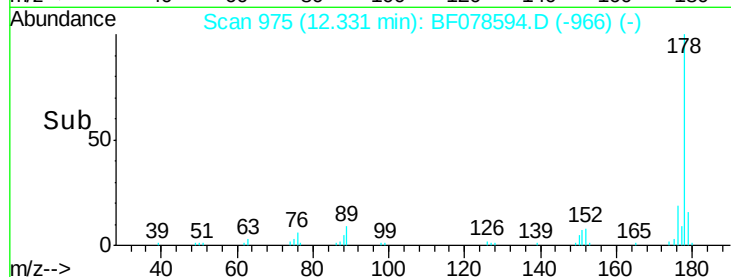
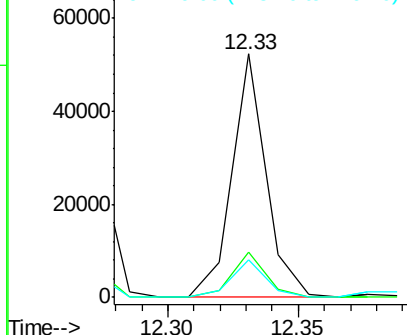
#71
 Anthracene
 Concen: 7.19 ng
 RT: 12.33 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04BDL

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

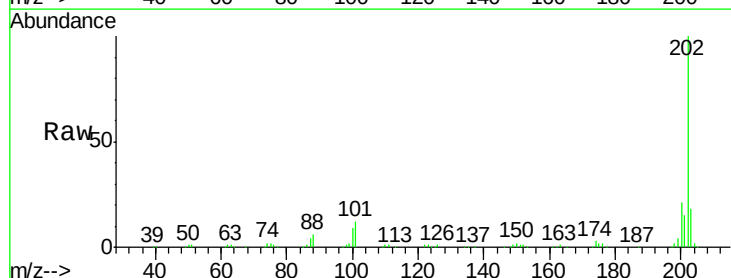


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

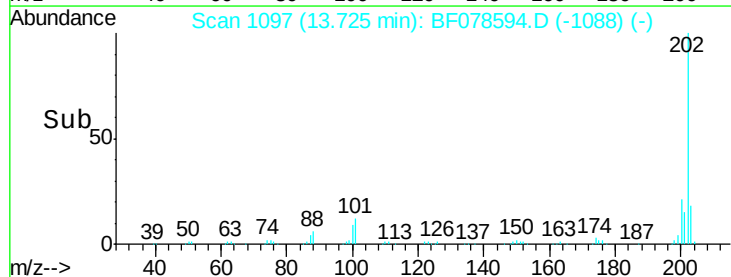
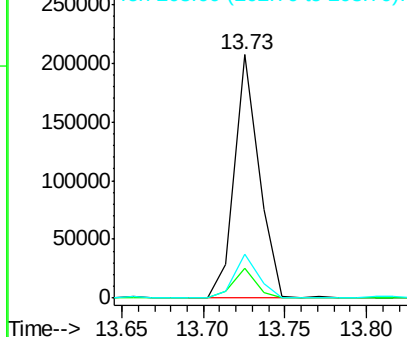


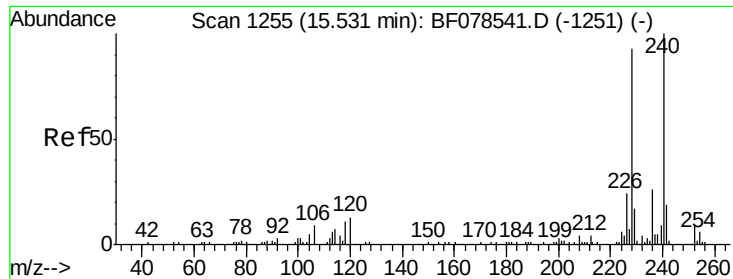
#74
 Fluoranthene
 Concen: 30.45 ng
 RT: 13.73 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

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



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: BF078594.D

Acq: 17 Apr 2015 6:36

Instrument :

BNA_F

ClientSampleId :

HS-SB04BDL

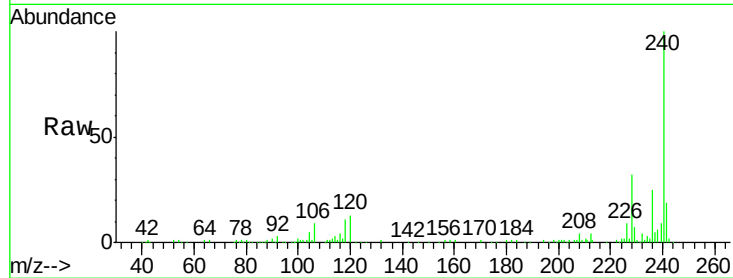
Tgt Ion:240 Resp: 130298

Ion Ratio Lower Upper

240 100

120 13.0 7.1 10.7#

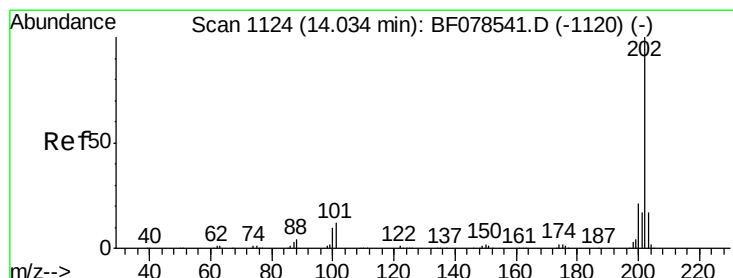
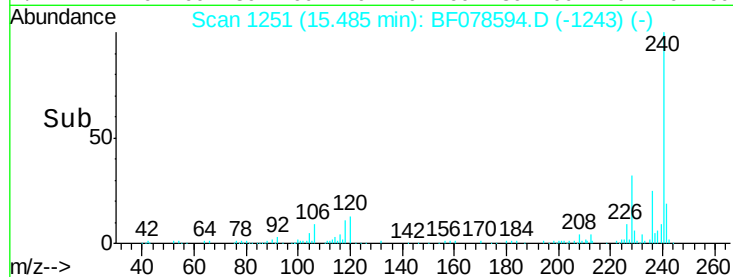
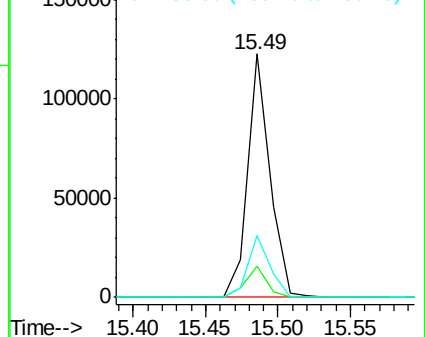
236 25.4 21.4 32.2



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: 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

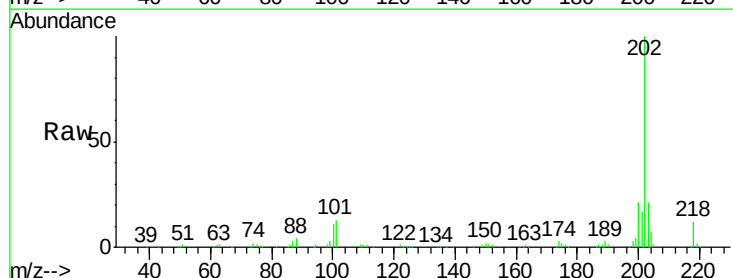
Tgt Ion:202 Resp: 182172

Ion Ratio Lower Upper

202 100

200 21.3 16.3 24.5

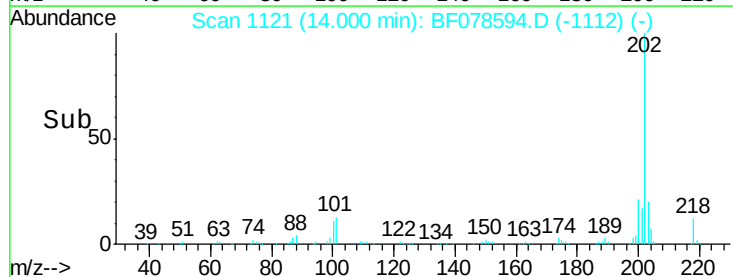
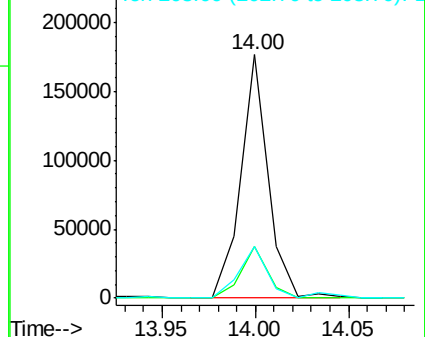
203 21.2 13.8 20.6#

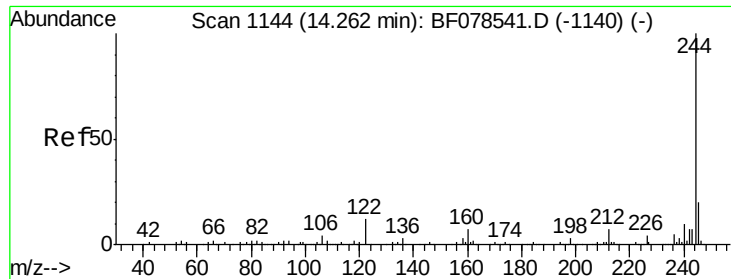


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

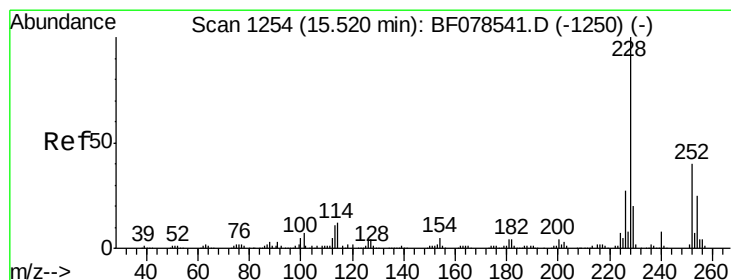
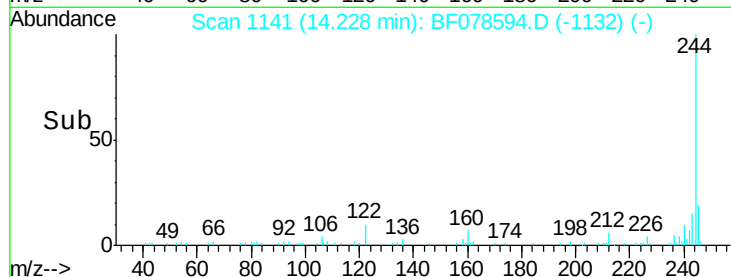
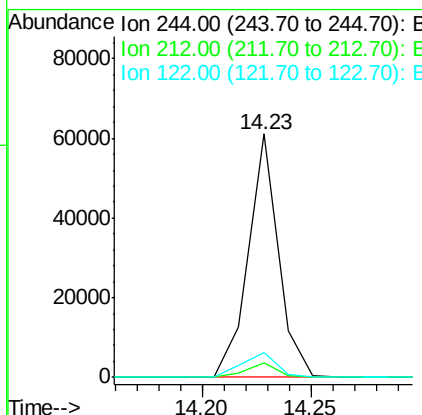
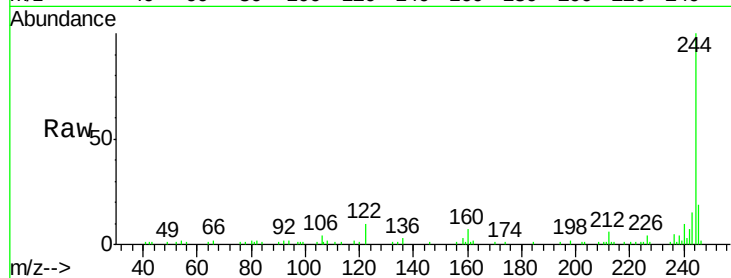




#78
 Terphenyl-d14
 Concen: 10.23 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: BF078594.D
 Acq: 17 Apr 2015 6:36

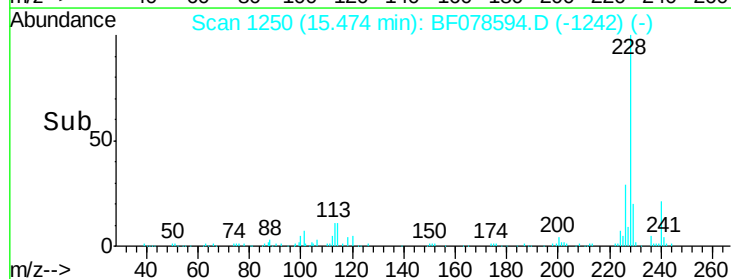
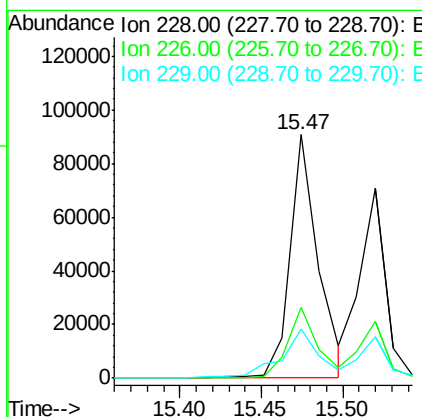
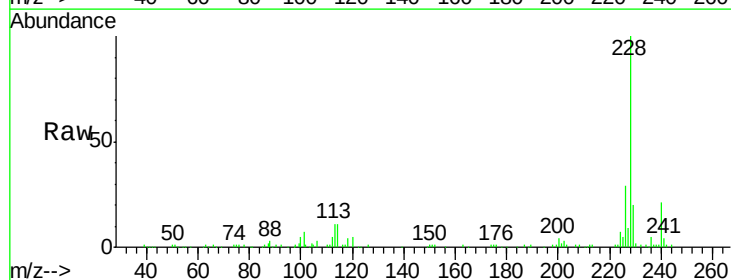
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB04BDL

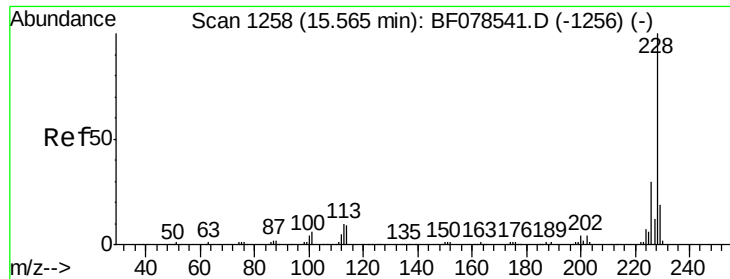
Tgt Ion:244 Resp: 58969
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 10.3 7.1 10.7



#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

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





#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

Instrument :

BNA_F

ClientSampleId :

HS-SB04BDL

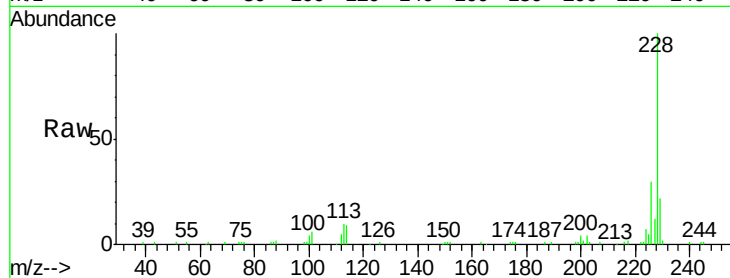
Tgt Ion:228 Resp: 76499

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

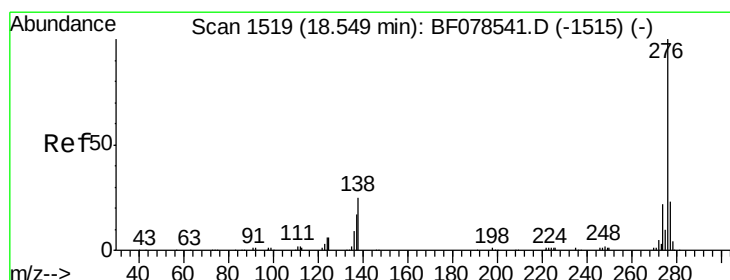
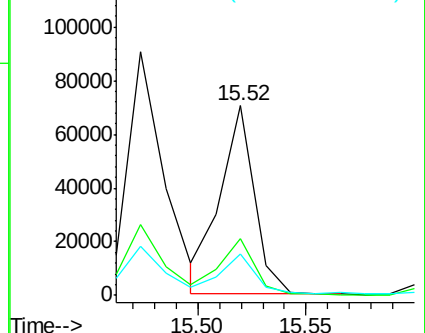
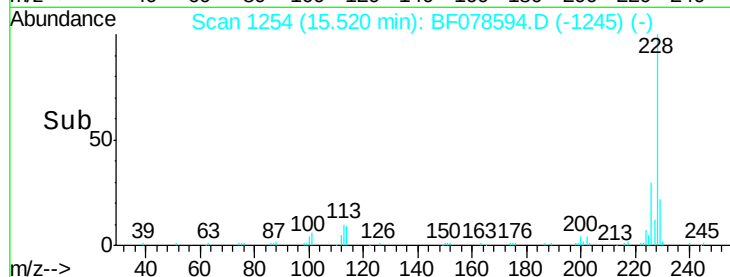
229 22.1 15.8 23.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.92 ng m

RT: 18.33 min Scan# 1500

Delta R.T. 0.05 min

Lab File: BF078594.D

Acq: 17 Apr 2015 6:36

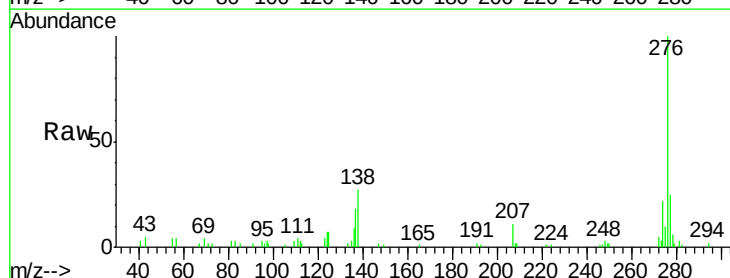
Tgt Ion:276 Resp: 40644

Ion Ratio Lower Upper

276 100

138 7.8 16.9 25.3#

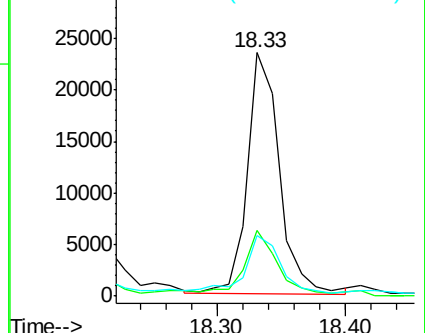
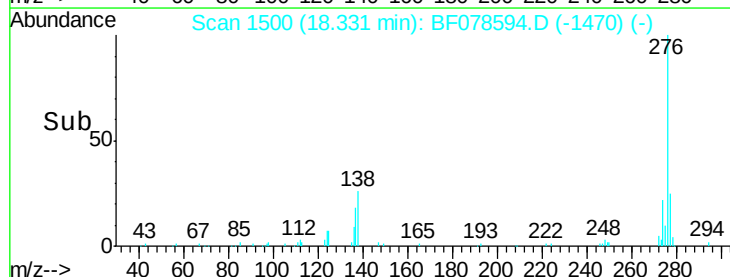
277 7.6 15.8 23.6#

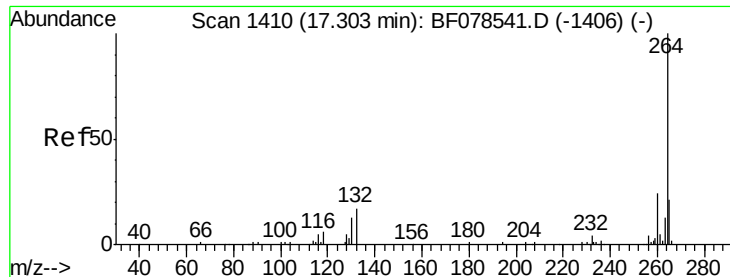


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



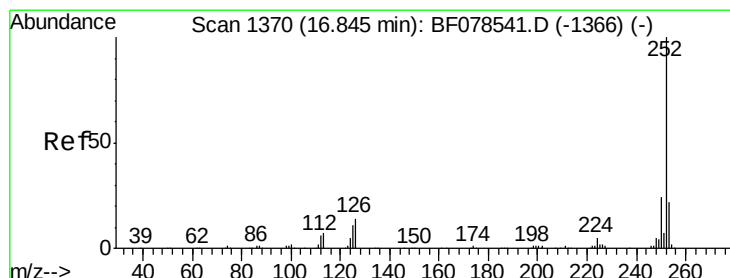
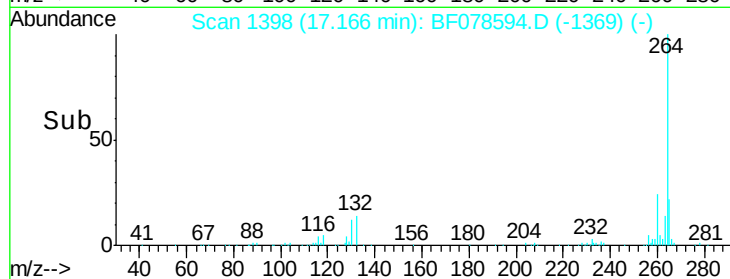
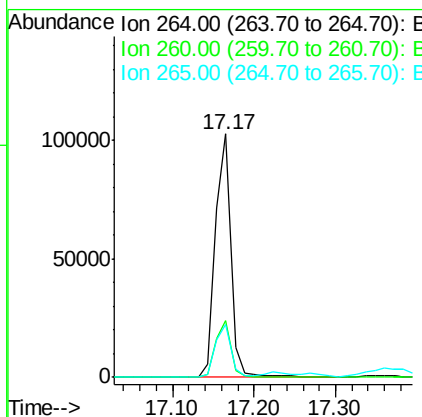
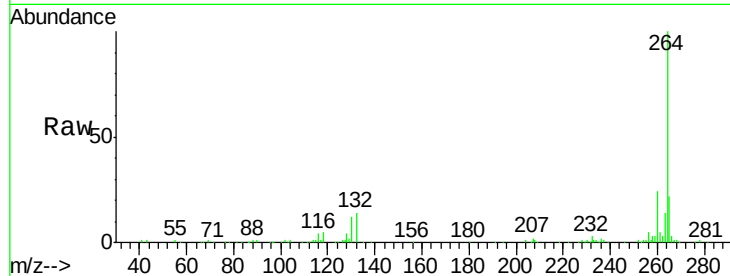


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.17 min Scan# 1398
Delta R.T. 0.03 min
Lab File: BF078594.D
Acq: 17 Apr 2015 6:36

Instrument :
BNA_F
ClientSampled :
HS-SB04BDL

Tgt Ion: 264 Resp: 136148

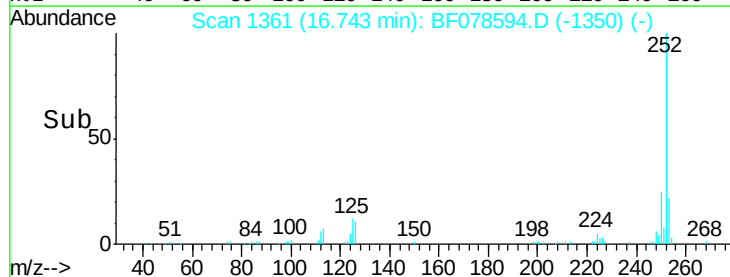
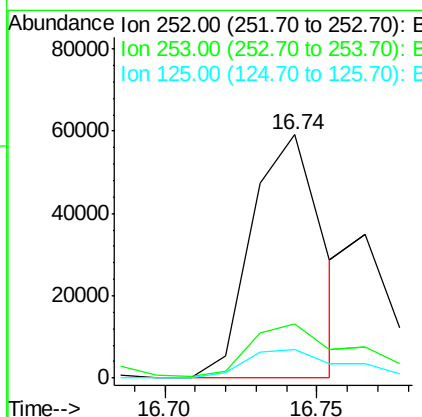
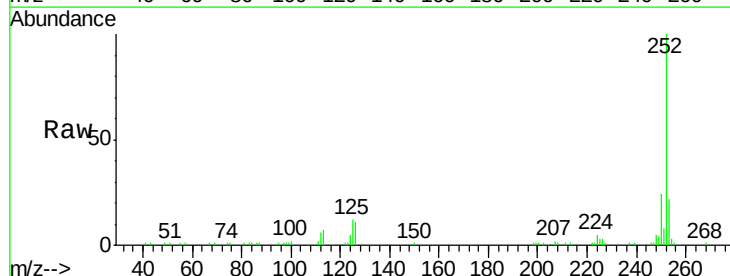
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.6	17.0	25.6

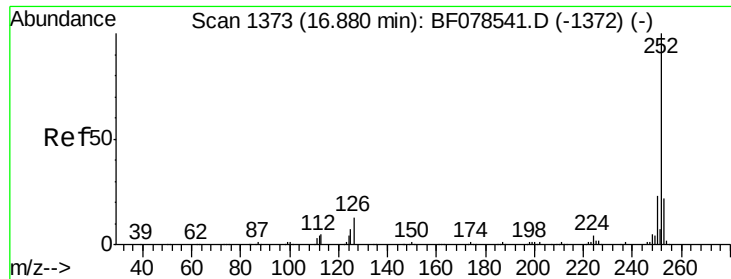


#87
Benzo(b)fluoranthene
Concen: 11.44 ng m
RT: 16.74 min Scan# 1361
Delta R.T. 0.02 min
Lab File: BF078594.D
Acq: 17 Apr 2015 6:36

Tgt Ion: 252 Resp: 96290

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	11.5	7.0	10.4

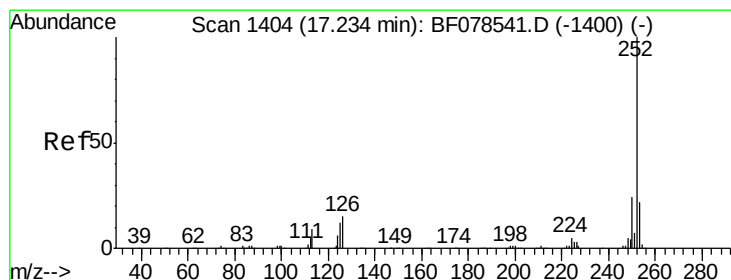
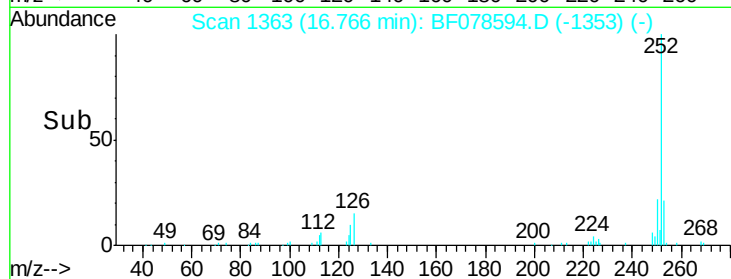
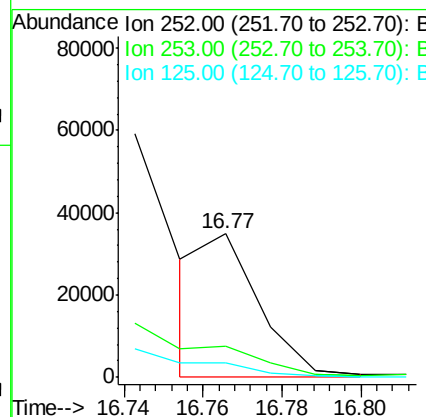
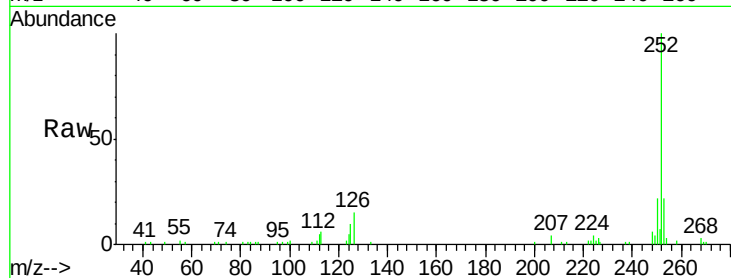




#88
Benzo(k)fluoranthene
Concen: 4.53 ng m
RT: 16.77 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BF078594.D
Acq: 17 Apr 2015 6:36

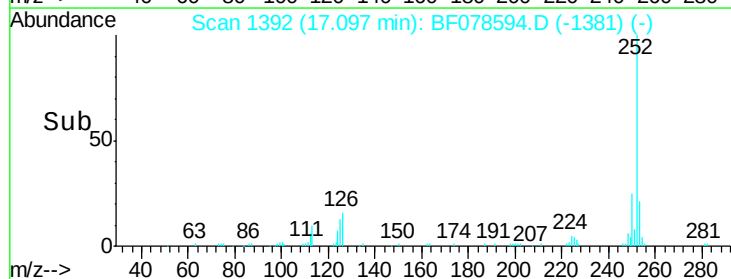
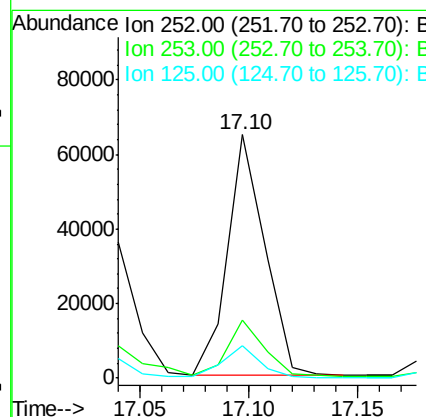
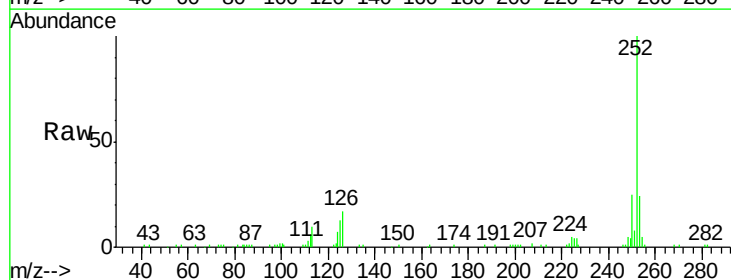
Instrument :
BNA_F
ClientSampleId :
HS-SB04BDL

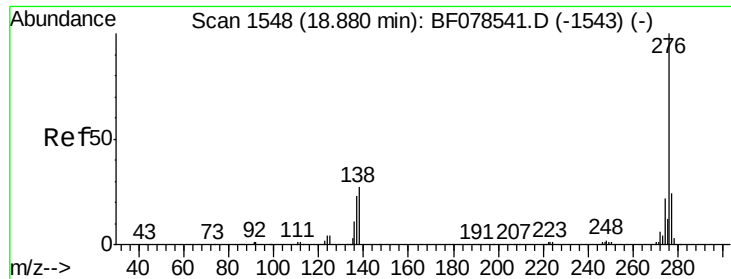
Tgt Ion: 252 Resp: 33880
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.9 11.6 17.4#



#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

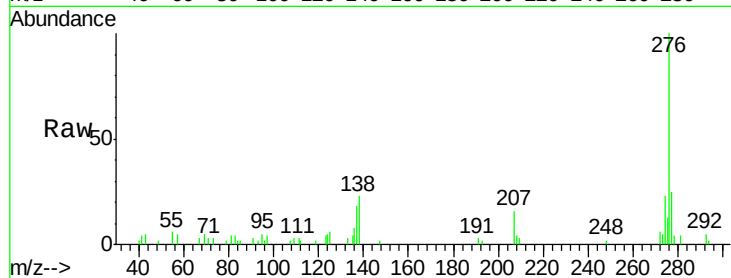
Tgt Ion: 276 Resp: 33590

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

