

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078590.D
 Acq On : 17 Apr 2015 4:41
 Operator : TP/IZ
 Sample : G1828-05DL 50X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03ADL

Quant Time: Apr 17 05:34:35 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

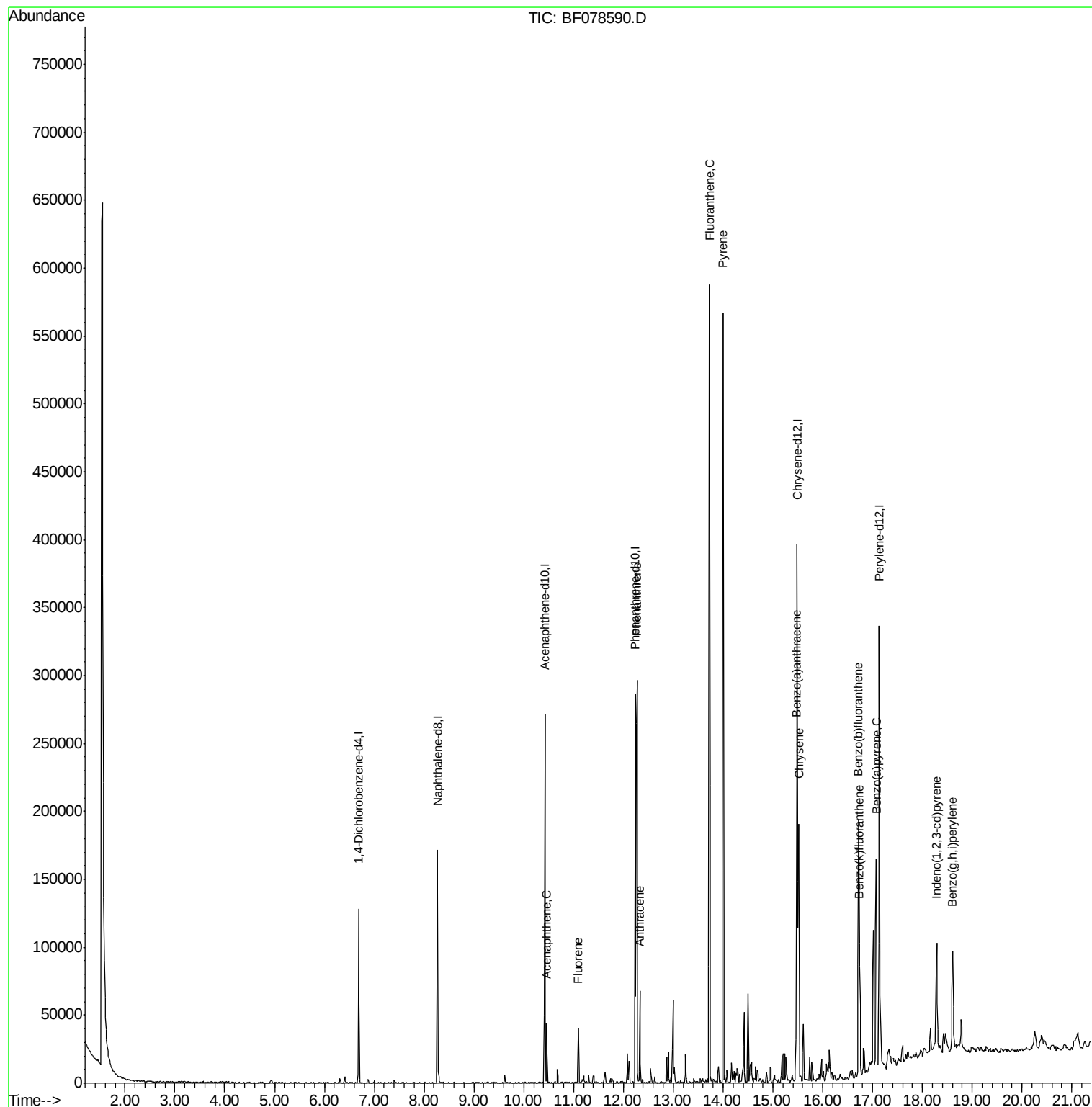
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	24040	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	105227	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	56479	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	112173	20.00	ng	0.00
75) Chrysene-d12	15.49	240	130600	20.00	ng	-0.01
86) Perylene-d12	17.13	264	134767	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.94	112	1309	0.90	ng	0.02
7) Phenol-d6	6.31	99	2311	1.26	ng	0.01
23) Nitrobenzene-d5	7.40	82	1226	0.71	ng	0.01
41) 2,4,6-Tribromophenol	11.40	330	575	1.23	ng	0.01
44) 2-Fluorobiphenyl	9.62	172	3537	0.90	ng	0.00
78) Terphenyl-d14	14.23	244	5190	0.90	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	10.46	154	11784	3.57	ng	99
57) Fluorene	11.10	166	12919	3.16	ng	96
70) Phenanthrene	12.27	178	172821	26.63	ng	99
71) Anthracene	12.33	178	29119	4.55	ng	97
74) Fluoranthene	13.73	202	280623	41.01	ng	96
77) Pyrene	14.00	202	226125	27.58	ng	# 93
80) Benzo(a)anthracene	15.47	228	90962	11.71	ng	99
82) Chrysene	15.52	228	82978	11.37	ng	97
85) Indeno(1,2,3-cd)pyrene	18.29	276	53620	6.47	ng	# 80
87) Benzo(b)fluoranthene	16.72	252	102387m	12.29	ng	
88) Benzo(k)fluoranthene	16.73	252	41146m	5.56	ng	
89) Benzo(a)pyrene	17.07	252	78523	10.80	ng	98
91) Benzo(g,h,i)perylene	18.61	276	49803	6.83	ng	98

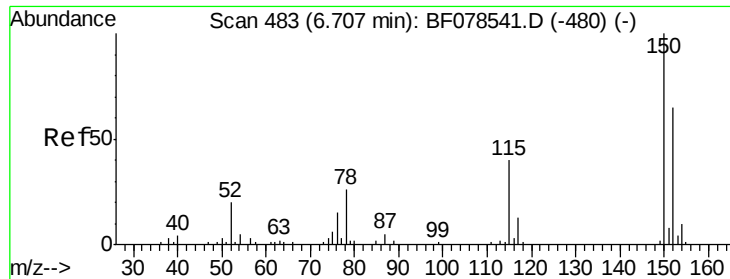
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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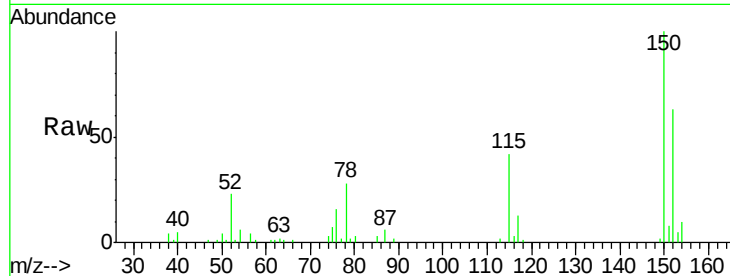


#1

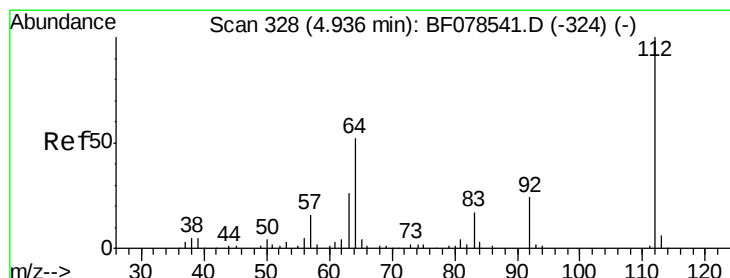
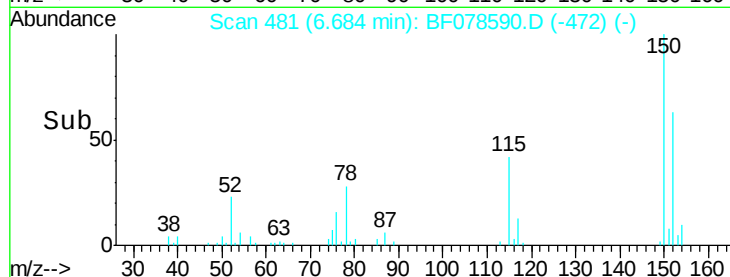
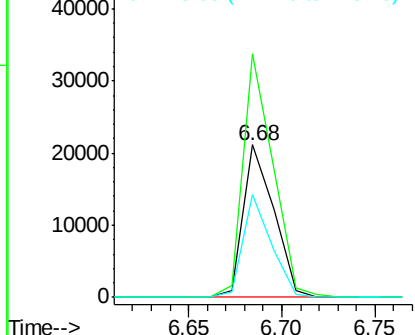
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 481
Delta R.T. -0.00 min
Lab File: BF078590.D
Acq: 17 Apr 2015 4:41

Instrument :
BNA_F
ClientSampleId :
HS-SB03ADL

Tgt Ion:152 Resp: 24040
Ion Ratio Lower Upper
152 100
150 159.6 125.9 188.9
115 67.1 52.7 79.1



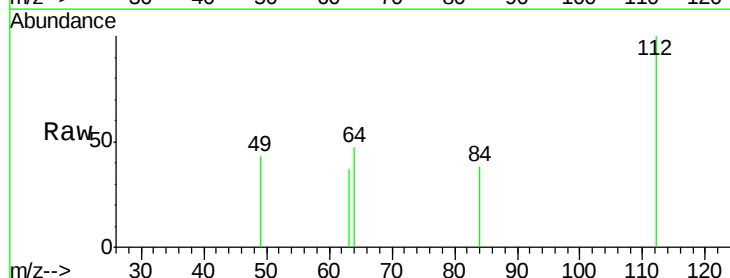
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



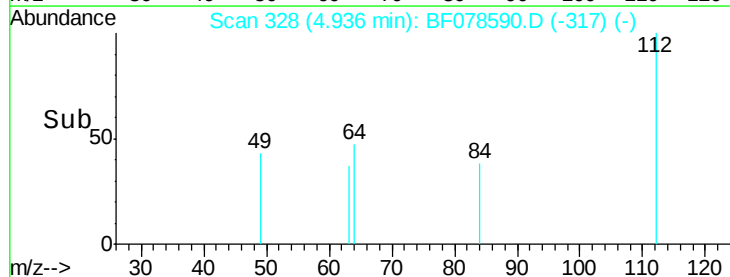
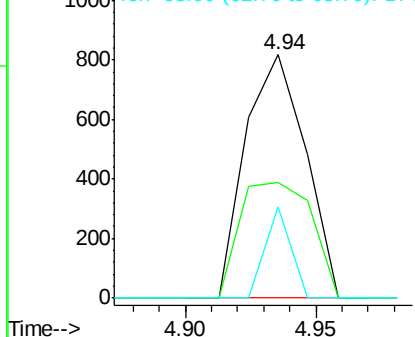
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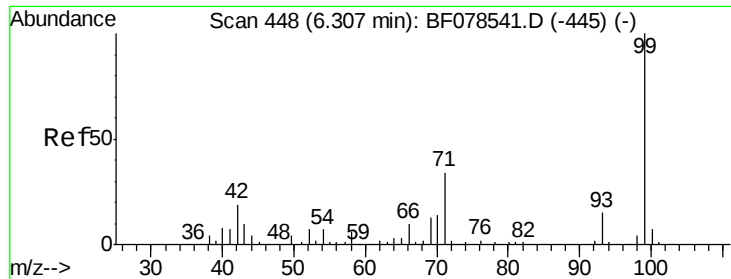
2-Fluorophenol
Concen: 0.90 ng
RT: 4.94 min Scan# 328
Delta R.T. 0.02 min
Lab File: BF078590.D
Acq: 17 Apr 2015 4:41

Tgt Ion:112 Resp: 1309
Ion Ratio Lower Upper
112 100
64 47.3 39.9 59.9
63 37.4 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: 1.26 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

Instrument :

BNA_F

ClientSampleId :

HS-SB03ADL

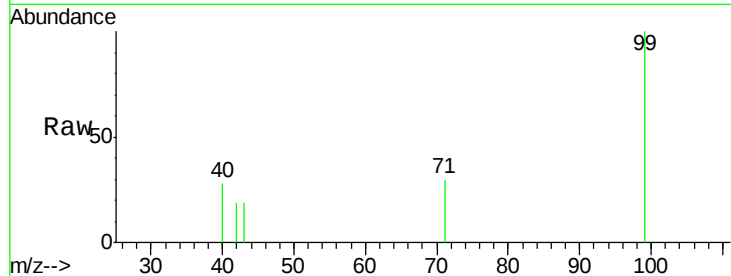
Tgt Ion: 99 Resp: 2311

Ion Ratio Lower Upper

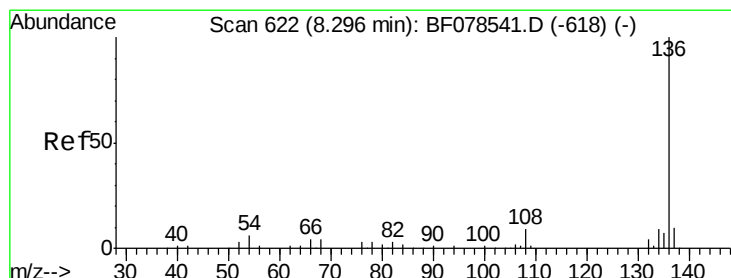
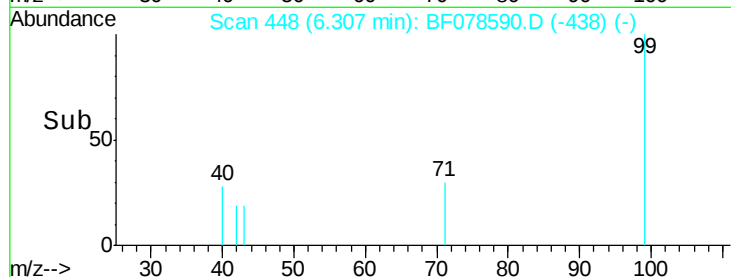
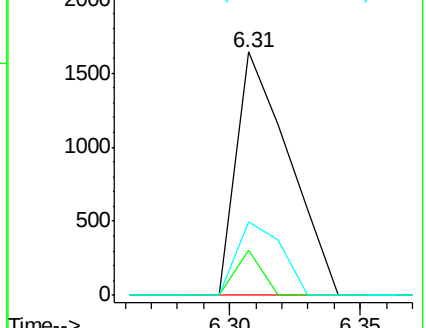
99 100

42 18.6 14.8 22.2

71 30.0 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: BF078590.D

Acq: 17 Apr 2015 4:41

Tgt Ion: 136 Resp: 105227

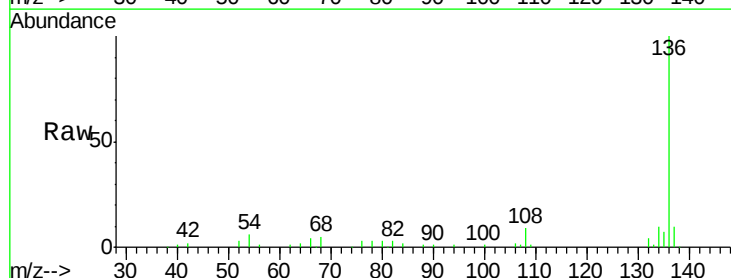
Ion Ratio Lower Upper

136 100

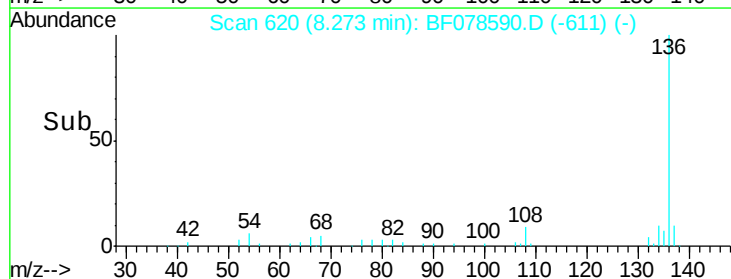
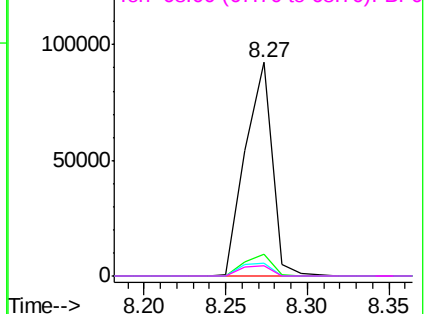
137 10.1 9.0 13.4

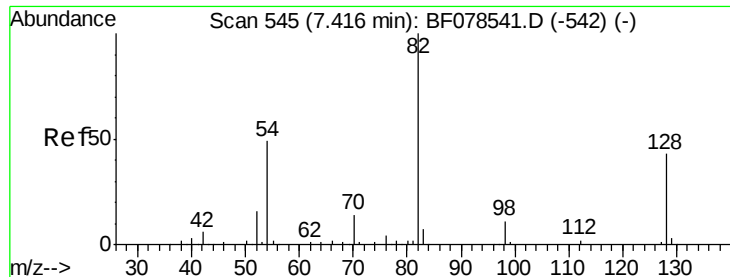
54 6.0 7.0 10.6#

68 4.7 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

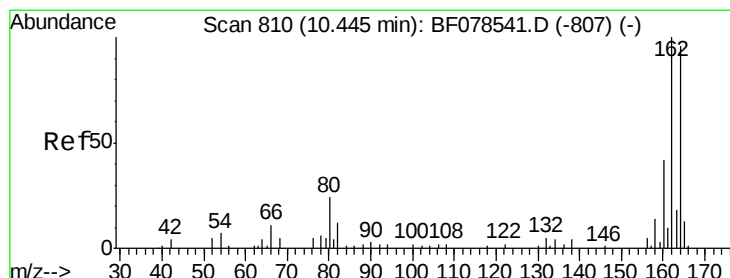
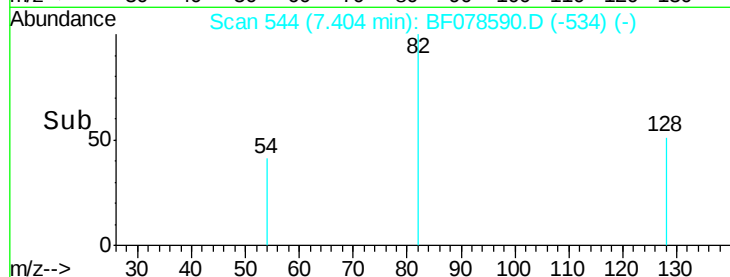
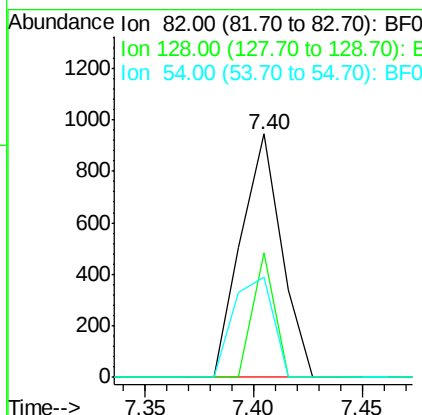
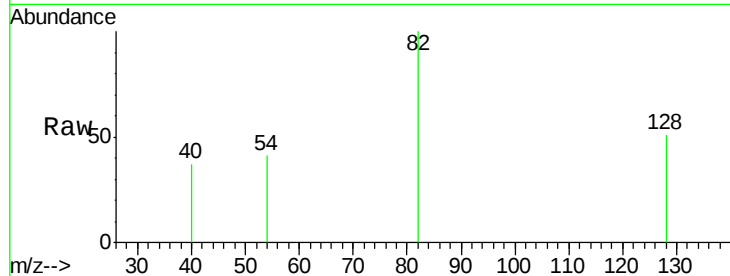




#23
 Nitrobenzene-d5
 Concen: 0.71 ng
 RT: 7.40 min Scan# 544
 Delta R.T. 0.01 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

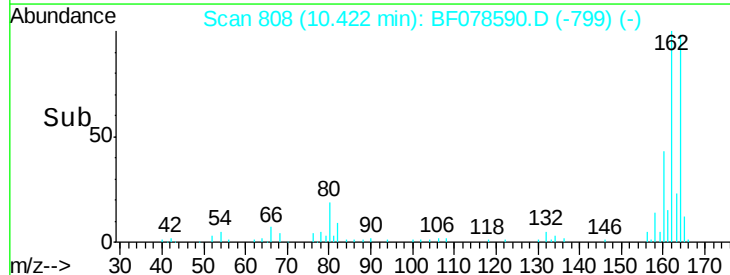
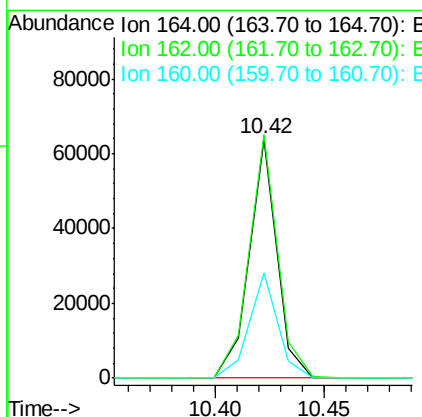
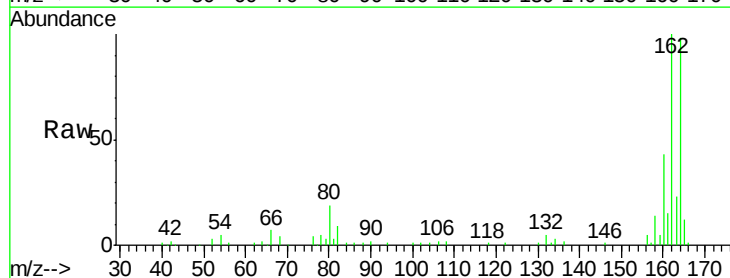
Instrument :
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 HS-SB03ADL

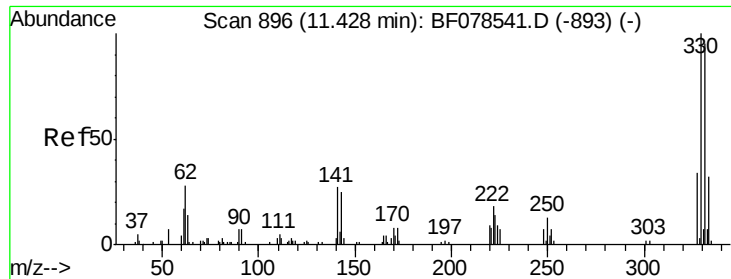
Tgt Ion: 82 Resp: 1226
 Ion Ratio Lower Upper
 82 100
 128 51.3 31.8 47.8#
 54 41.1 41.5 62.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

Tgt Ion: 164 Resp: 56479
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.2 123.2
 160 44.0 34.7 52.1

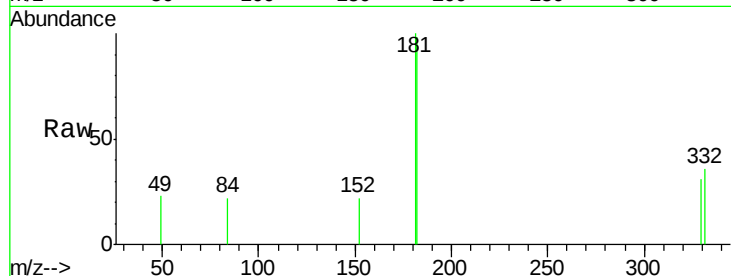




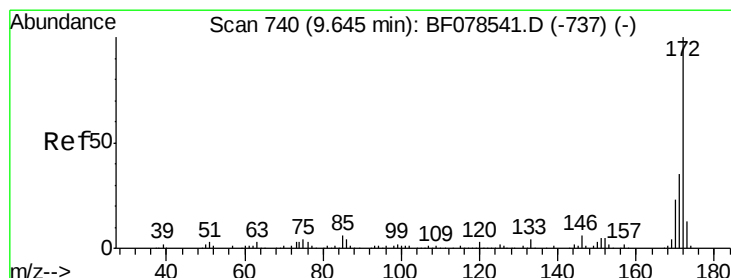
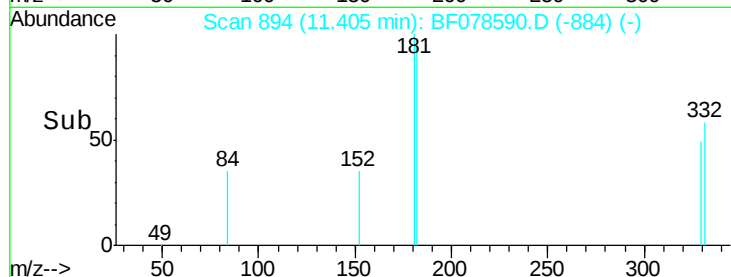
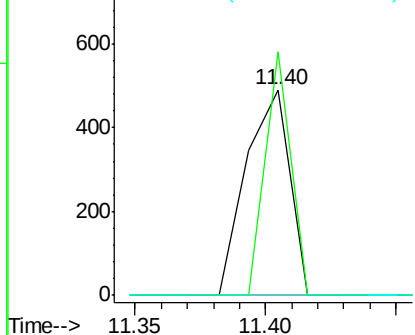
#41
 2,4,6-Tribromophenol
 Concen: 1.23 ng
 RT: 11.40 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03ADL

Tgt Ion: 330 Resp: 575
 Ion Ratio Lower Upper
 330 100
 332 69.2 78.6 117.8#
 141 0.0 31.2 46.8#

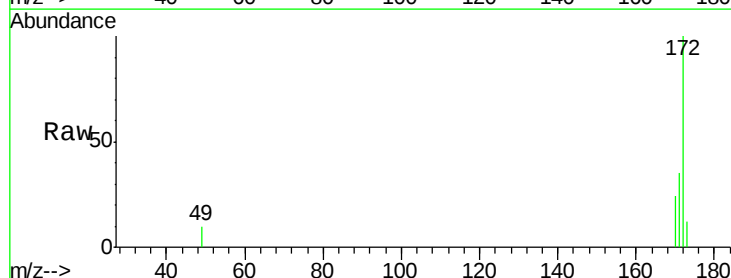


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

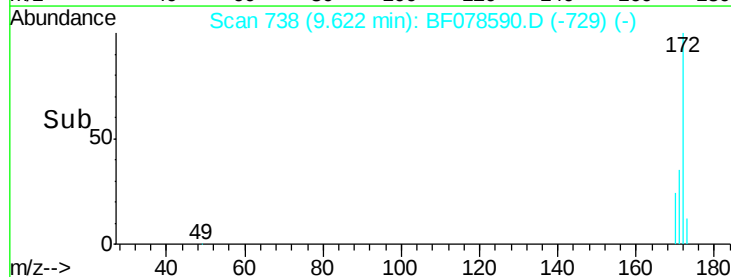
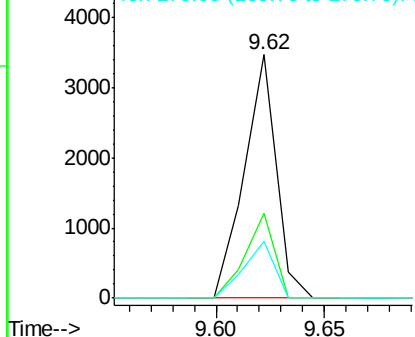


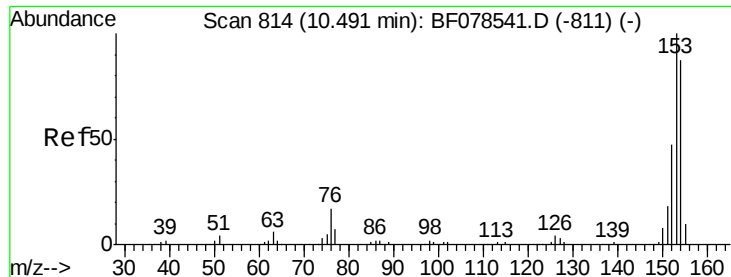
#44
 2-Fluorobiphenyl
 Concen: 0.90 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

Tgt Ion: 172 Resp: 3537
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 42.8
 170 23.5 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





#51

Acenaphthene

Concen: 3.57 ng

RT: 10.46 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

Instrument :

BNA_F

ClientSampleId :

HS-SB03ADL

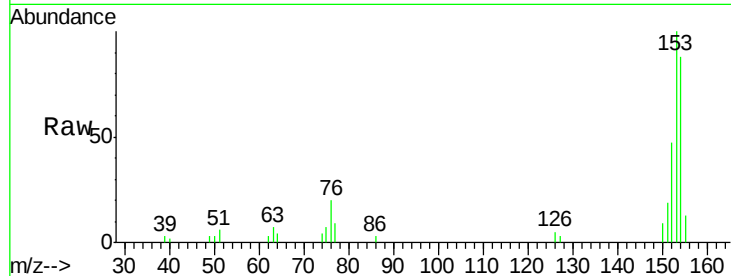
Tgt Ion:154 Resp: 11784

Ion Ratio Lower Upper

154 100

153 113.0 91.4 137.2

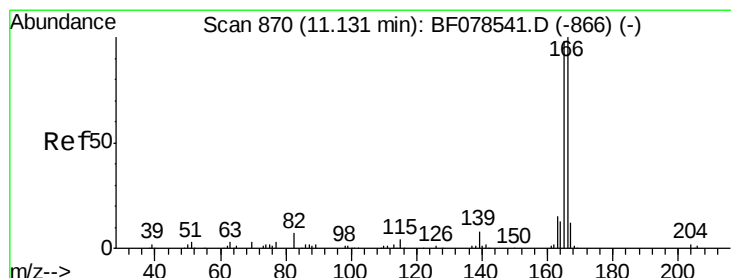
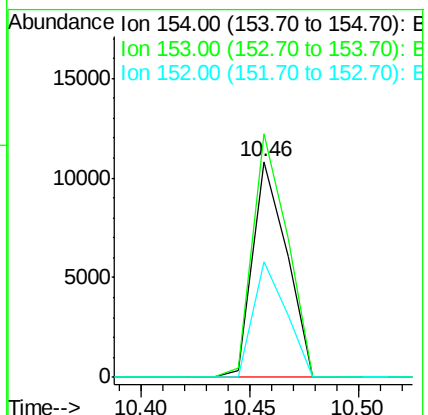
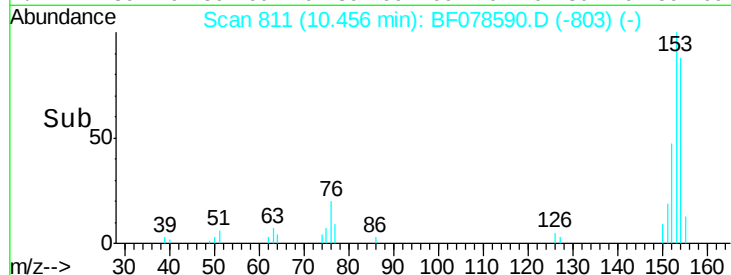
152 53.4 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.16 ng

RT: 11.10 min Scan# 867

Delta R.T. -0.00 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

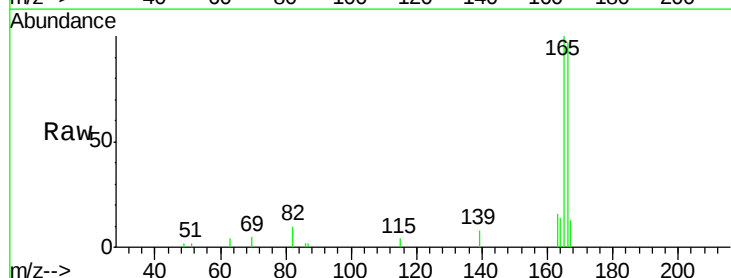
Tgt Ion:166 Resp: 12919

Ion Ratio Lower Upper

166 100

165 102.8 78.9 118.3

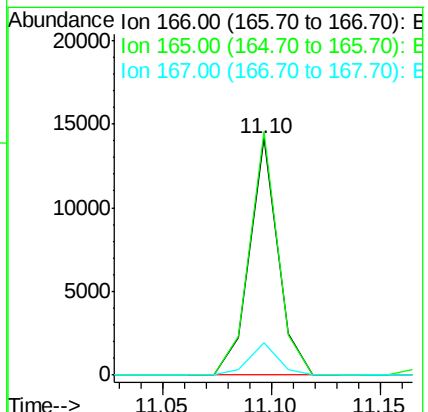
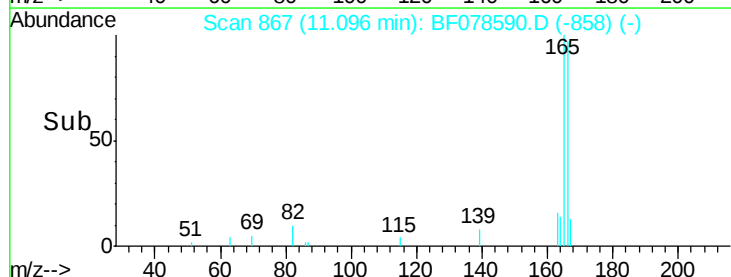
167 13.8 10.7 16.1

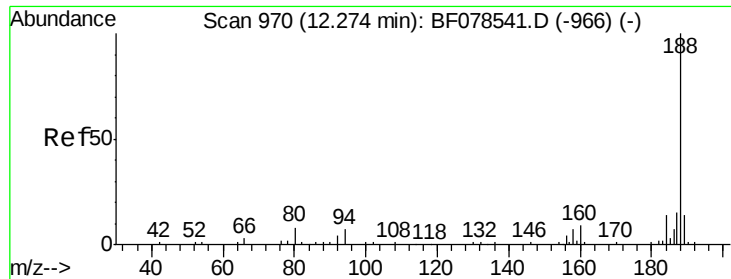


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

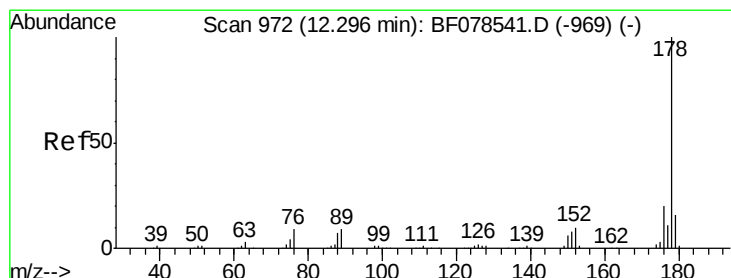
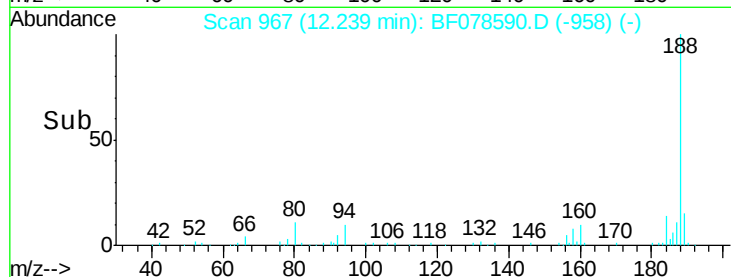
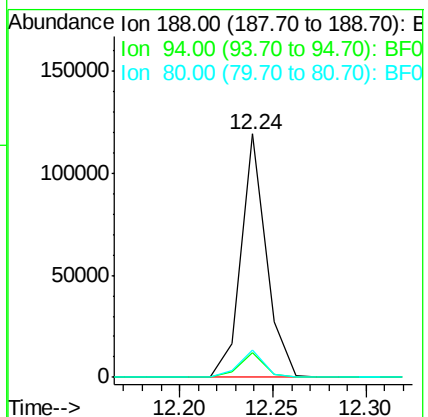
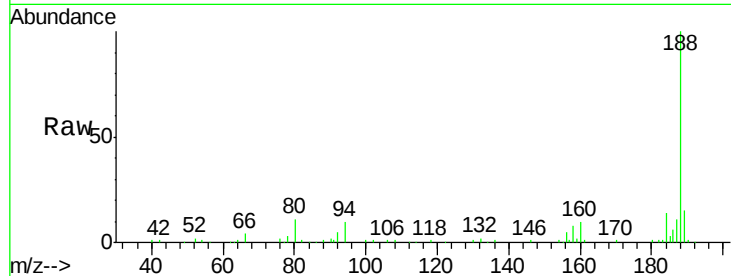




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

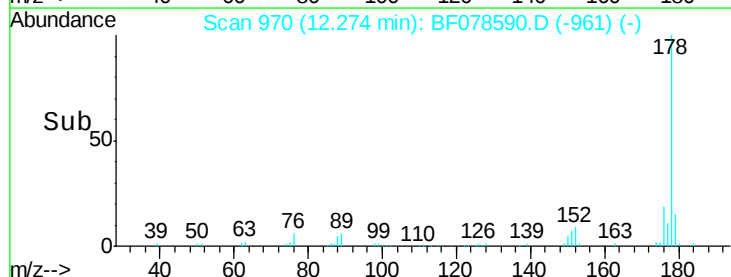
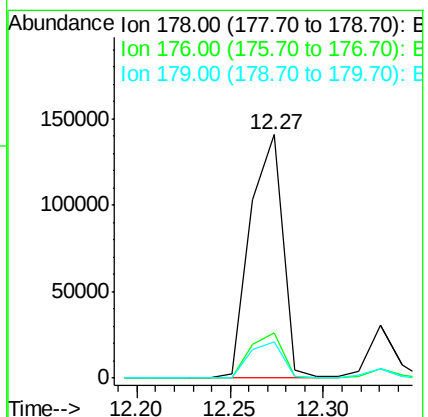
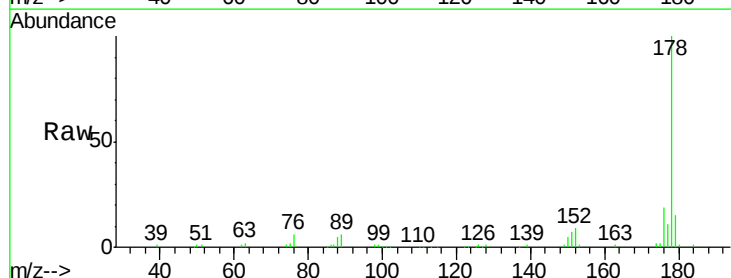
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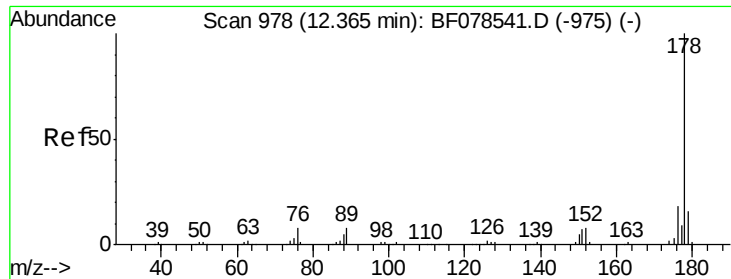
Tgt Ion:188 Resp: 112173
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.0 13.4
 80 11.1 9.5 14.3



#70
 Phenanthrene
 Concen: 26.63 ng
 RT: 12.27 min Scan# 970
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

Tgt Ion:178 Resp: 172821
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.0
 179 14.9 12.2 18.2

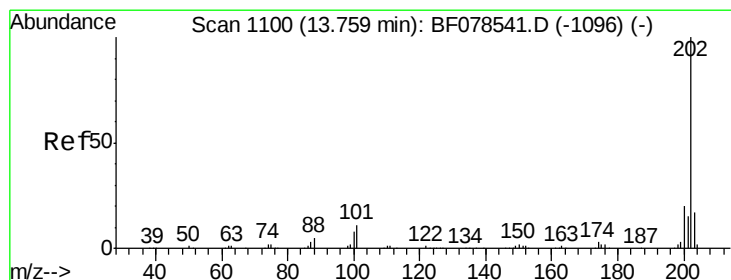
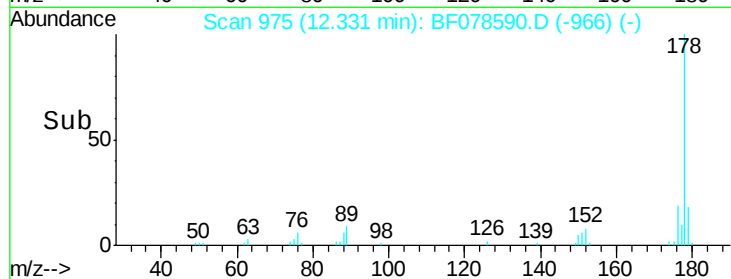
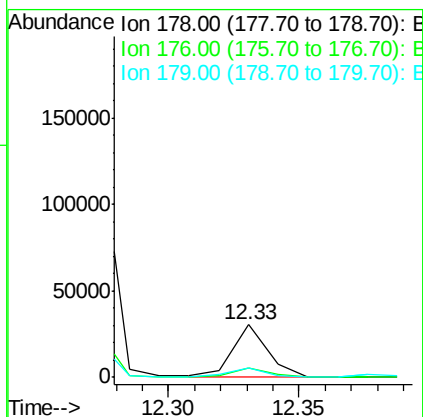
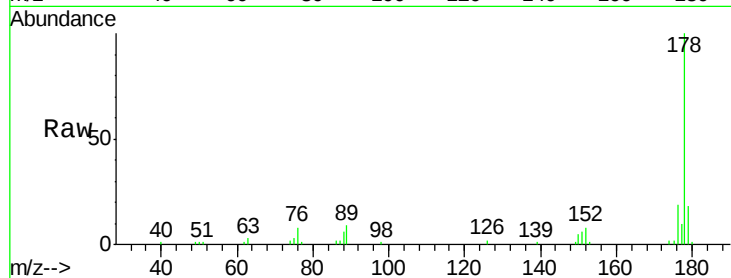




#71
 Anthracene
 Concen: 4.55 ng
 RT: 12.33 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

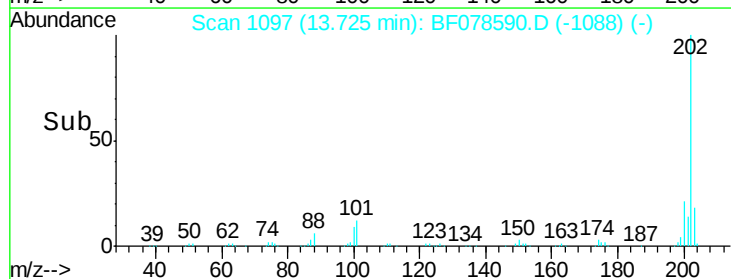
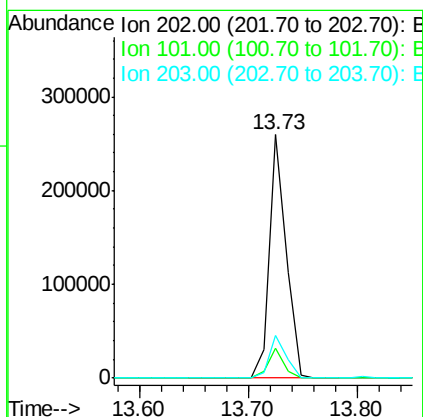
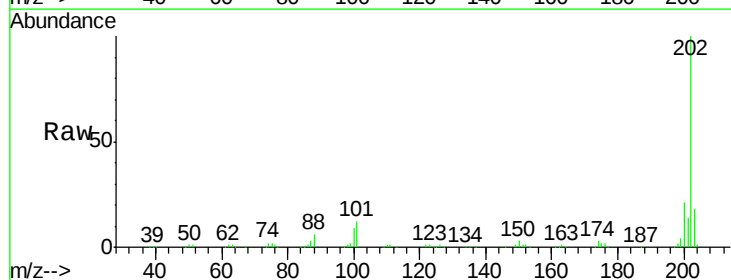
Instrument :
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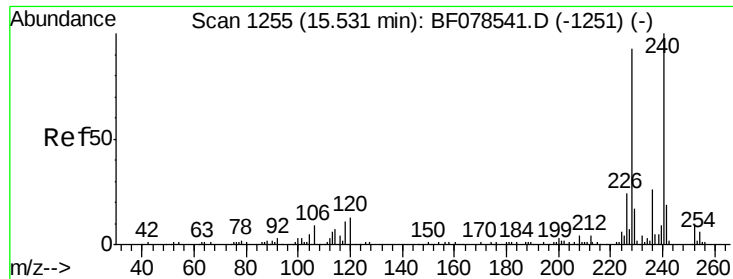
Tgt Ion:178 Resp: 29119
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.8 22.2
 179 17.6 12.4 18.6



#74
 Fluoranthene
 Concen: 41.01 ng
 RT: 13.73 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

Tgt Ion:202 Resp: 280623
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 35.2
 203 17.5 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: BF078590.D

Acq: 17 Apr 2015 4:41

Instrument :

BNA_F

ClientSampleId :

HS-SB03ADL

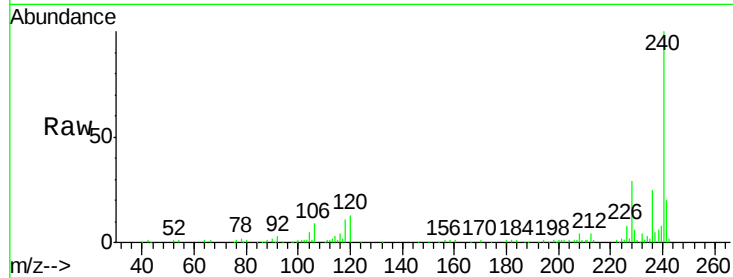
Tgt Ion:240 Resp: 130600

Ion Ratio Lower Upper

240 100

120 12.9 7.1 10.7#

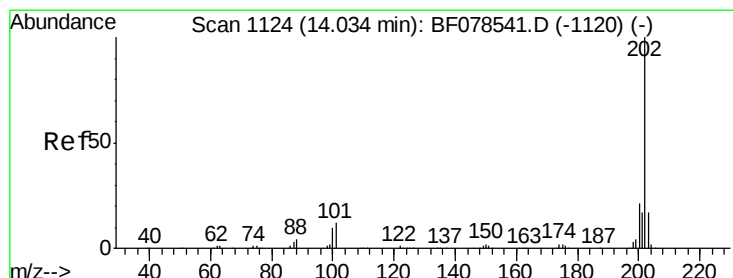
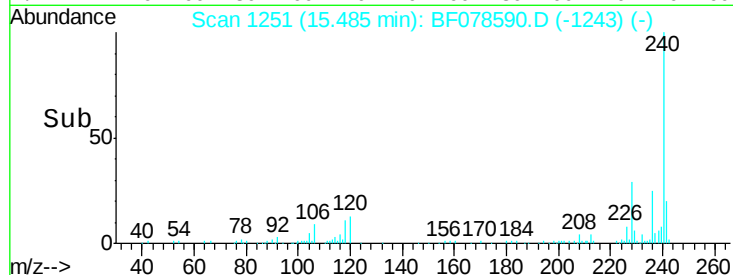
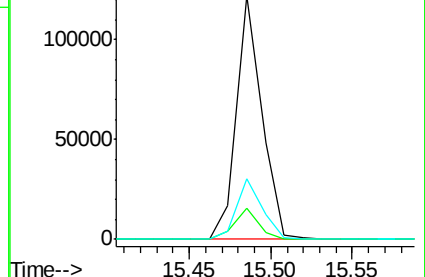
236 24.7 21.4 32.2



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: 27.58 ng

RT: 14.00 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

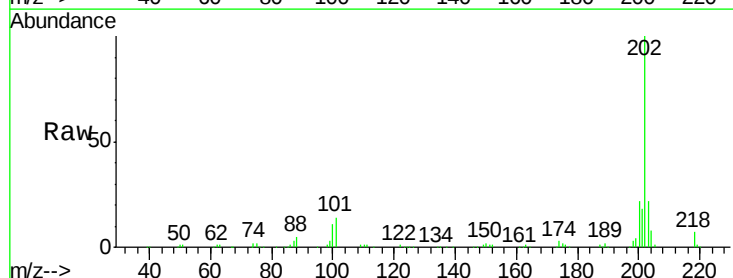
Tgt Ion:202 Resp: 226125

Ion Ratio Lower Upper

202 100

200 21.7 16.3 24.5

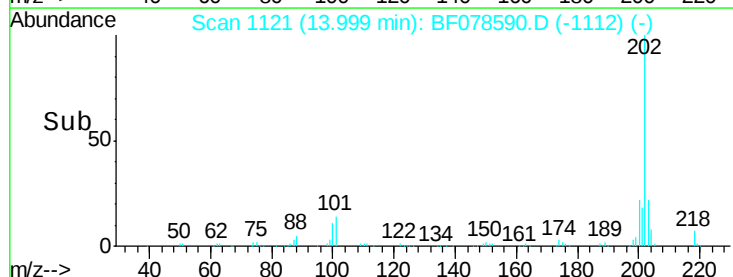
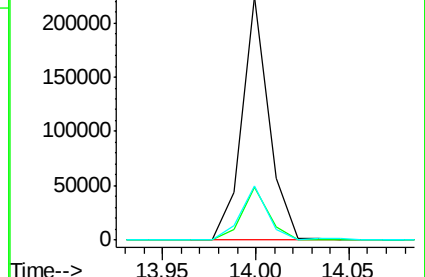
203 22.2 13.8 20.6#

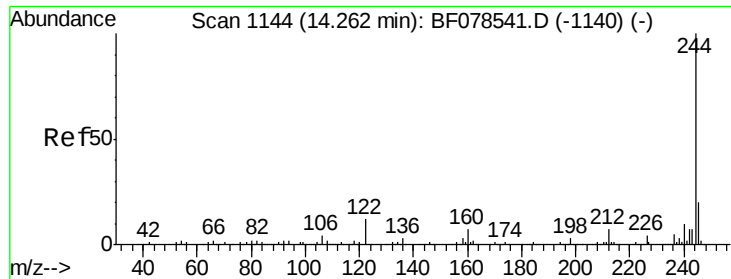


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

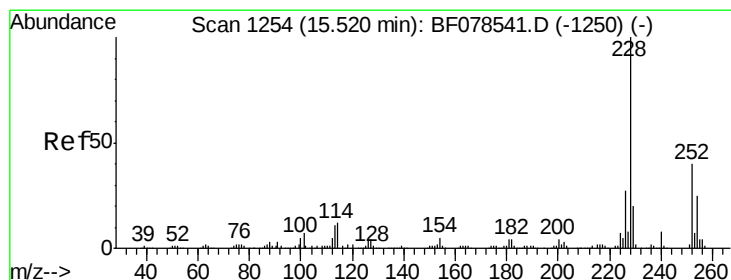
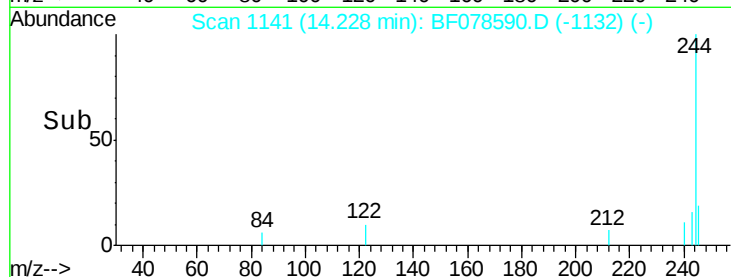
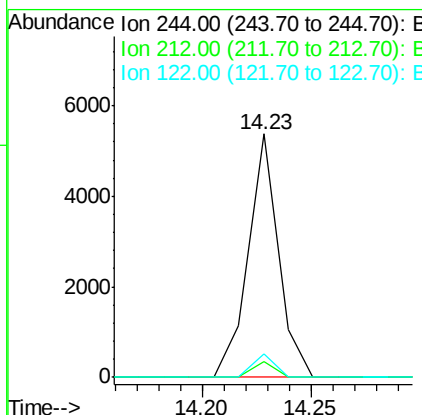
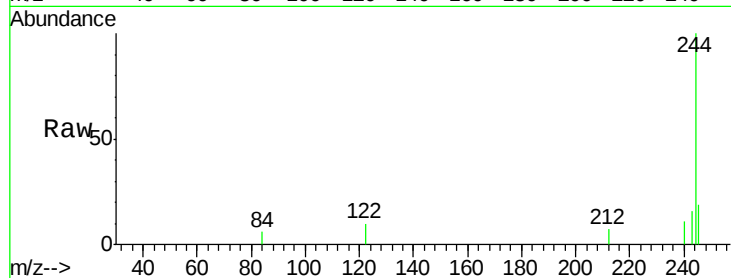




#78
 Terphenyl-d14
 Concen: 0.90 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

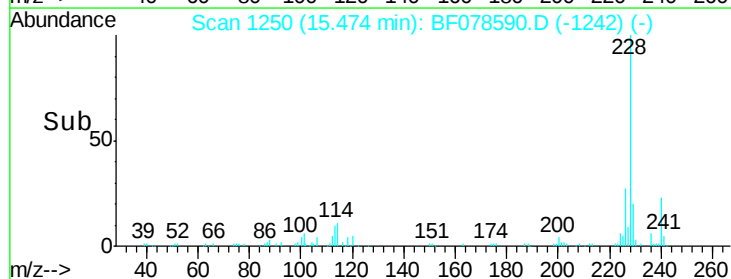
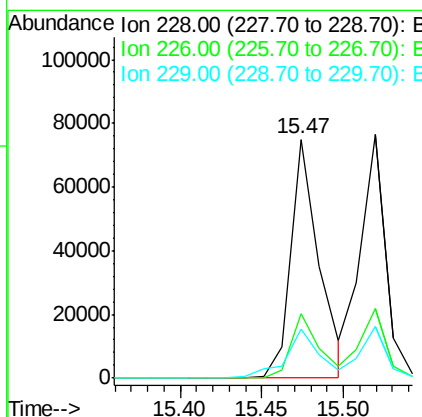
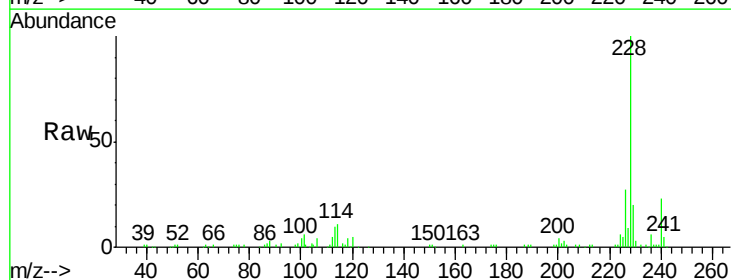
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03ADL

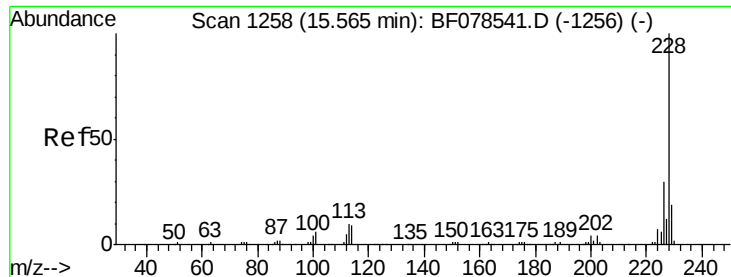
Tgt Ion: 244 Resp: 5190
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 9.6 7.1 10.7



#80
 Benzo(a)anthracene
 Concen: 11.71 ng
 RT: 15.47 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

Tgt Ion: 228 Resp: 90962
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.3 31.9
 229 20.3 15.4 23.2





#82

Chrysene

Concen: 11.37 ng

RT: 15.52 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

Instrument :

BNA_F

ClientSampleId :

HS-SB03ADL

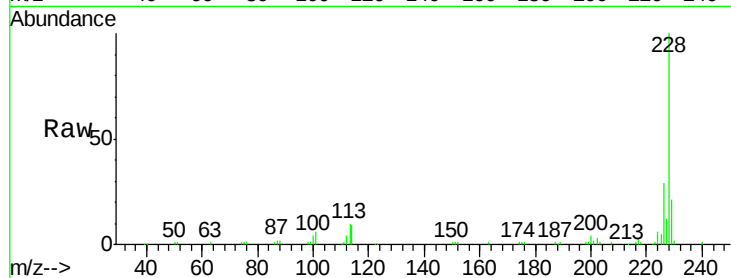
Tgt Ion:228 Resp: 82978

Ion Ratio Lower Upper

228 100

226 28.6 24.2 36.4

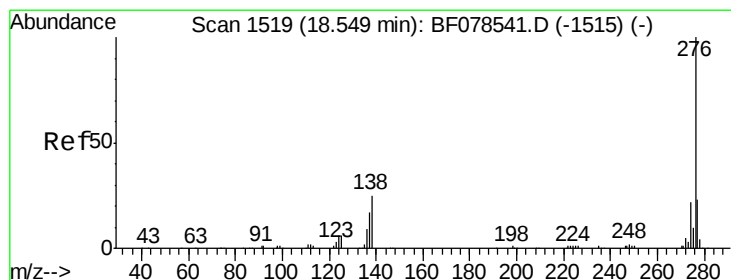
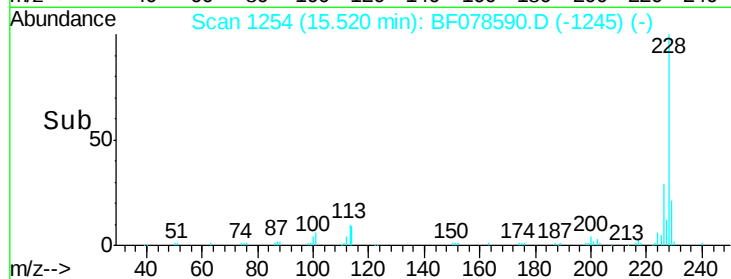
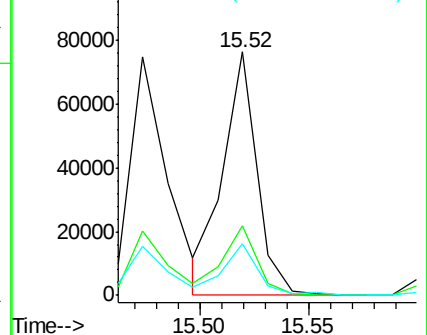
229 21.0 15.8 23.8



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: 6.47 ng

RT: 18.29 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

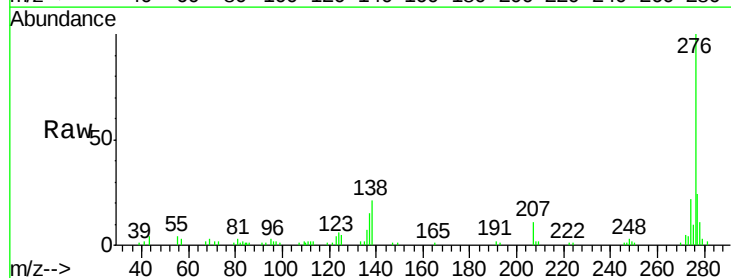
Tgt Ion:276 Resp: 53620

Ion Ratio Lower Upper

276 100

138 28.4 16.9 25.3#

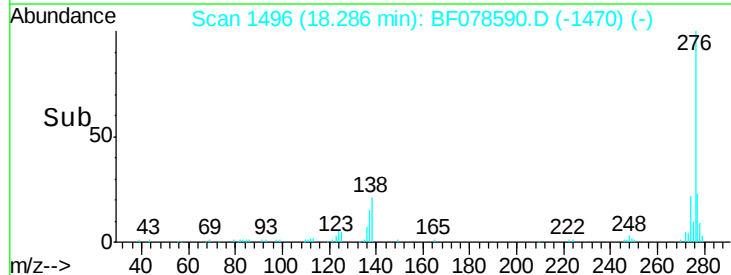
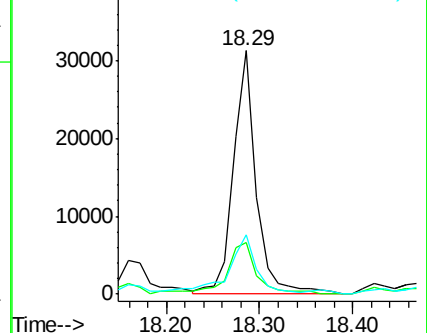
277 31.1 15.8 23.6#

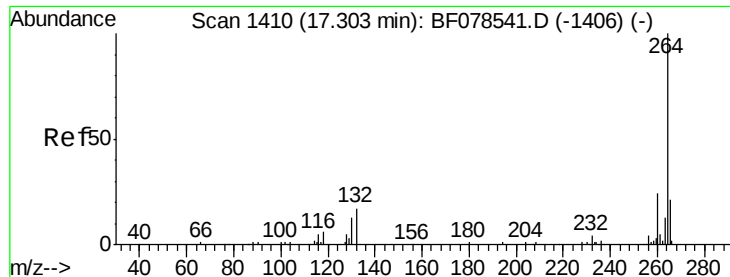


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

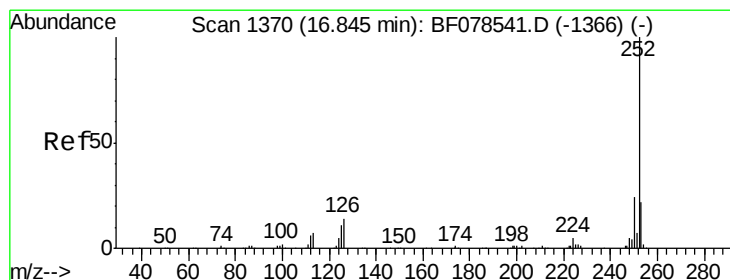
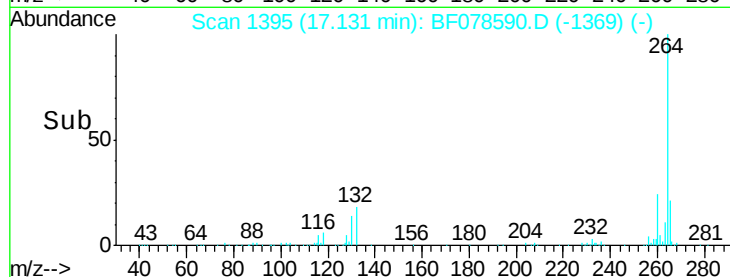
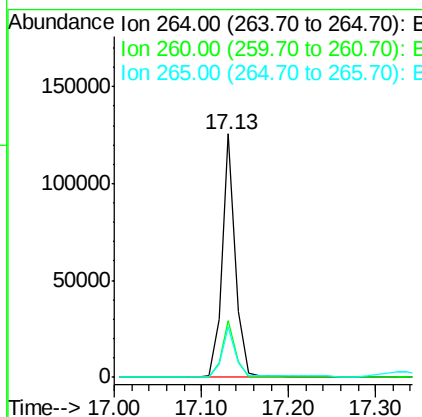
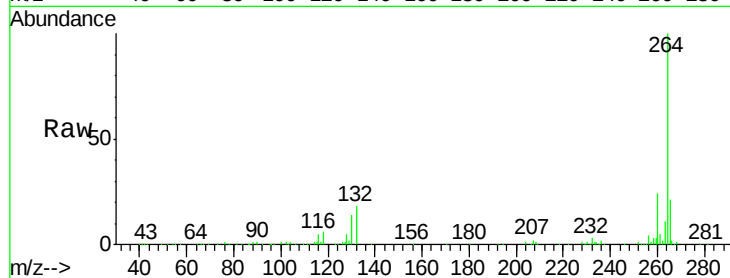




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.13 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

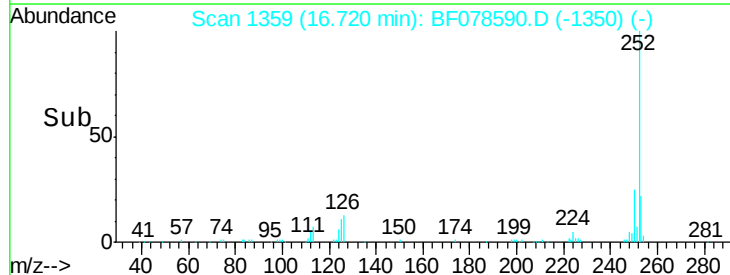
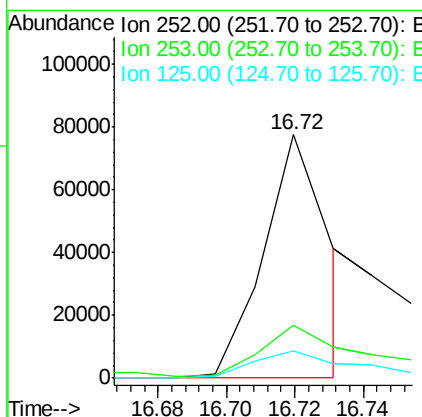
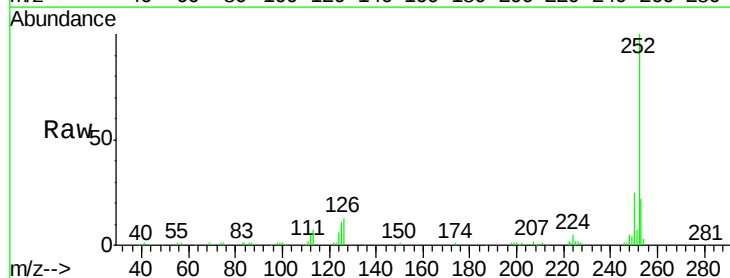
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03ADL

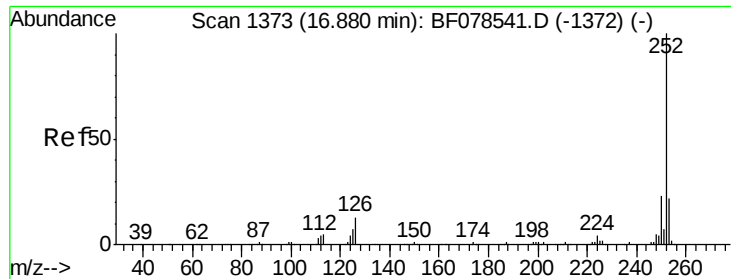
Tgt Ion: 264 Resp: 134767
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 27.8
 265 20.7 17.0 25.6



#87
 Benzo(b)fluoranthene
 Concen: 12.29 ng m
 RT: 16.72 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

Tgt Ion: 252 Resp: 102387
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.2 25.8
 125 11.3 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 5.56 ng m

RT: 16.73 min Scan# 1360

Delta R.T. -0.02 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

Instrument :

BNA_F

ClientSampleId :

HS-SB03ADL

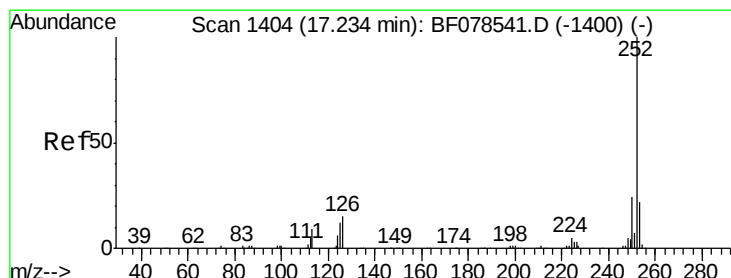
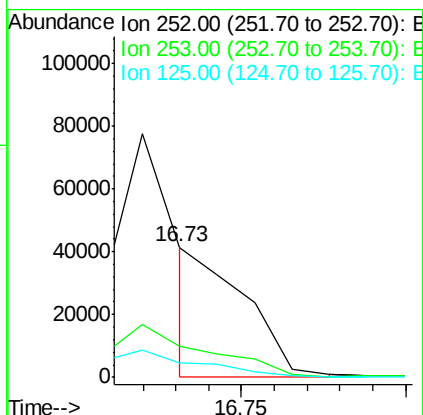
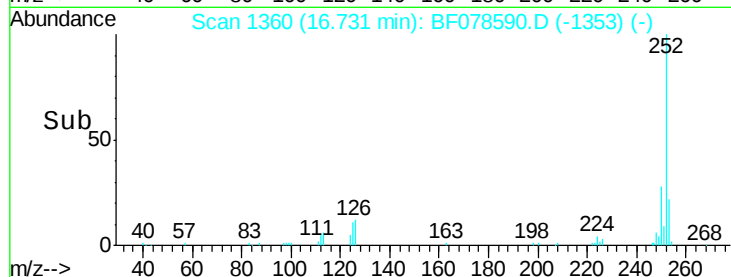
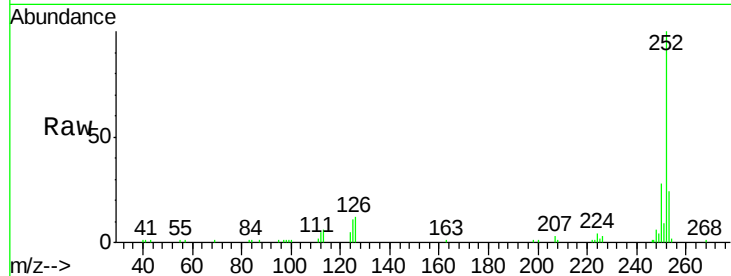
Tgt Ion:252 Resp: 41146

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 11.2 11.6 17.4#



#89

Benzo(a)pyrene

Concen: 10.80 ng

RT: 17.07 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

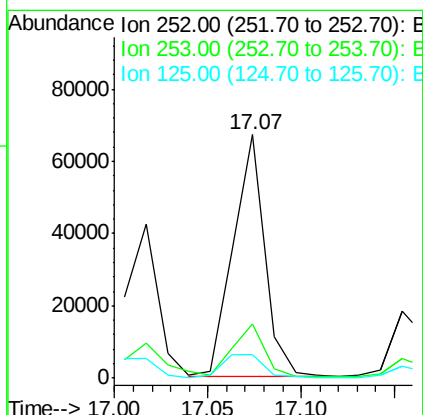
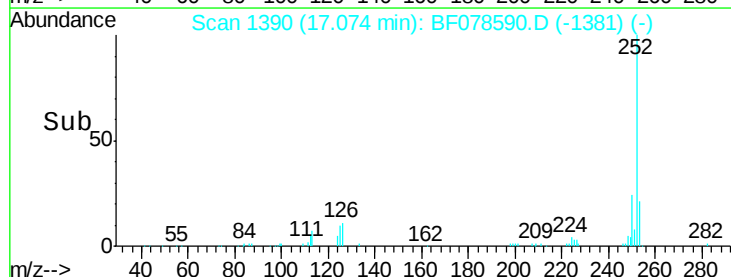
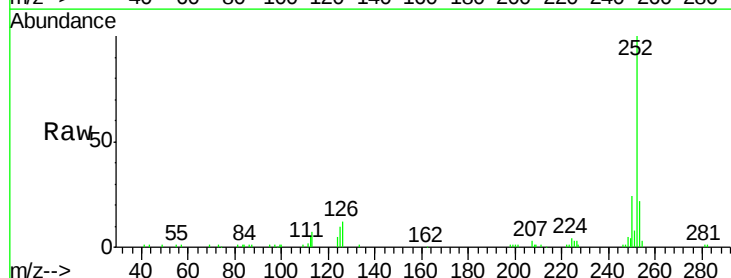
Tgt Ion:252 Resp: 78523

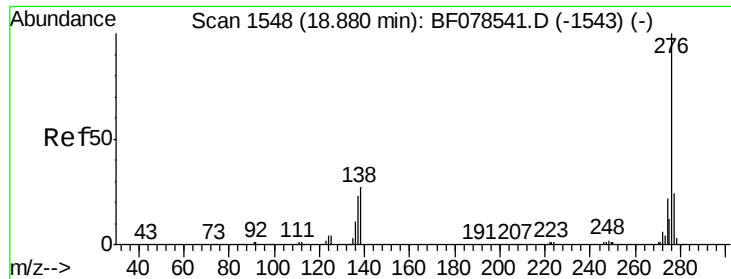
Ion Ratio Lower Upper

252 100

253 22.2 16.8 25.2

125 9.9 7.4 11.0





#91

Benzo(g,h,i)perylene

Concen: 6.83 ng

RT: 18.61 min Scan# 1524

Delta R.T. -0.00 min

Lab File: BF078590.D

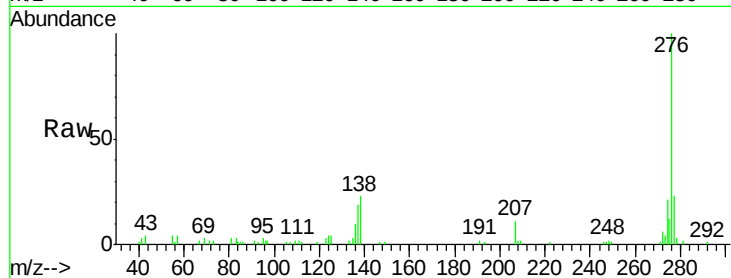
Acq: 17 Apr 2015 4:41

Instrument :

BNA_F

ClientSampleId :

HS-SB03ADL



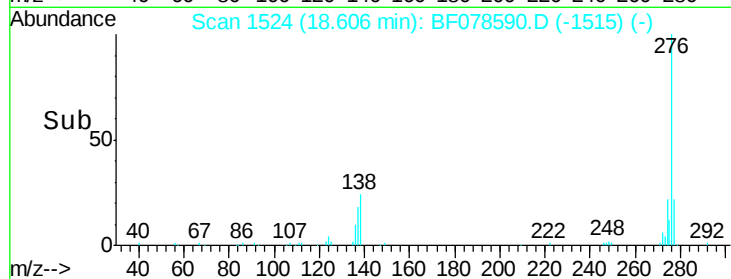
Tgt Ion: 276 Resp: 49803

Ion Ratio Lower Upper

276 100

277 22.9 19.0 28.4

138 23.5 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

