

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 05:08:59 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

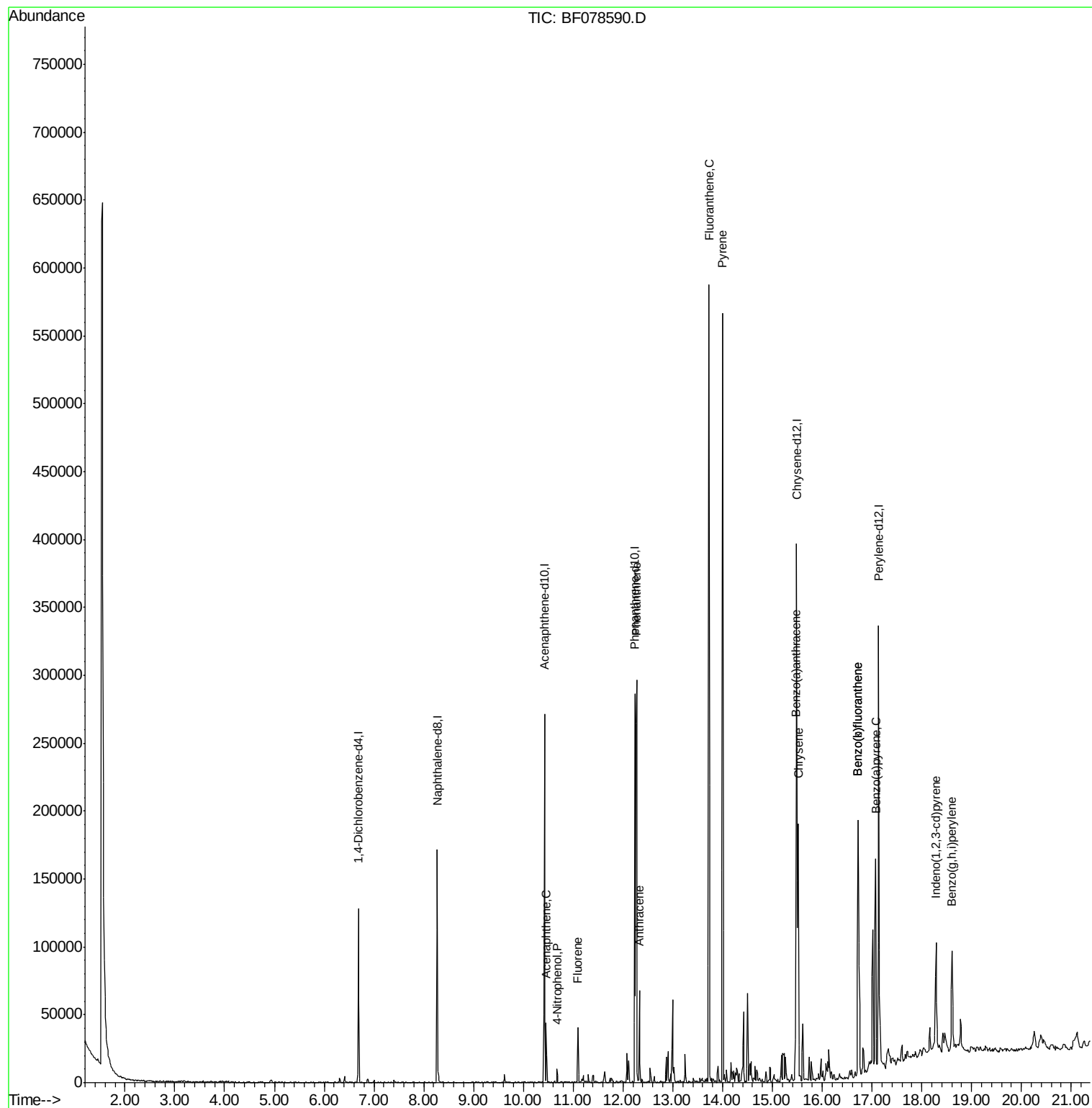
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) Acenaphthene	10.46	154	11784	3.57	ng	99
55) 4-Nitrophenol	10.67	139	2173	5.64	ng	# 18
57) Fluorene	11.10	166	12919	3.16	ng	96
70) Phenanthrene	12.27	178	172821	26.63	ng	99
71) Anthracene	12.33	178	29119	4.55	ng	97
74) Fluoranthene	13.73	202	280623	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	143835	17.27	ng	# 97
88) Benzo(k)fluoranthene	16.72	252	144144	19.47	ng	# 97
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

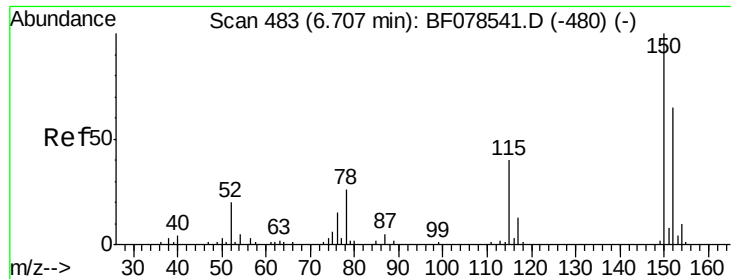
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

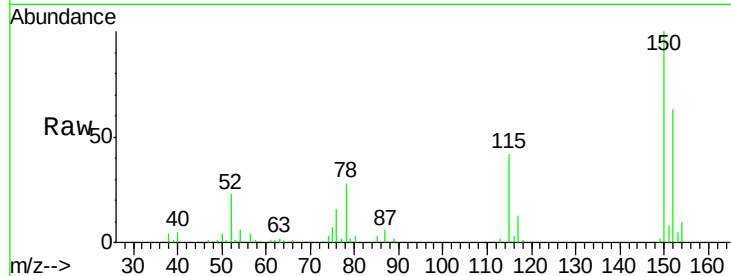
Tgt Ion:152 Resp: 24040

Ion Ratio Lower Upper

152 100

150 159.6 125.9 188.9

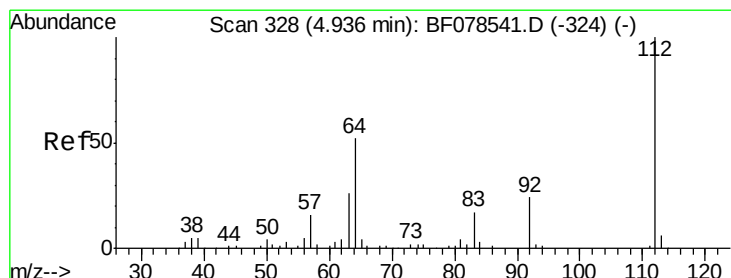
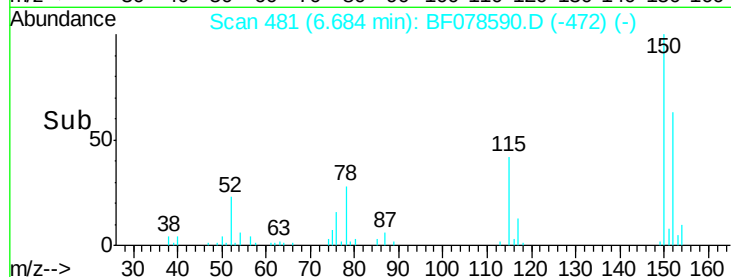
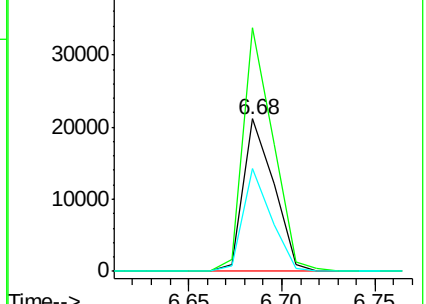
115 67.1 52.7 79.1



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



#5

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

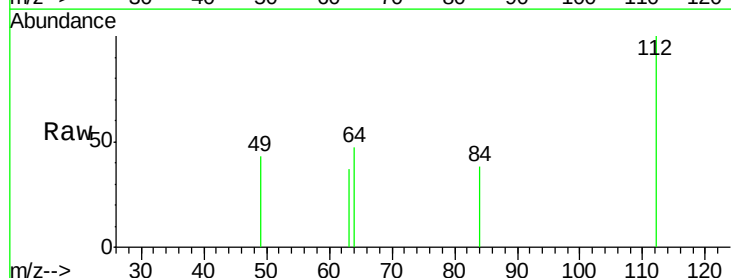
Tgt Ion:112 Resp: 1309

Ion Ratio Lower Upper

112 100

64 47.3 39.9 59.9

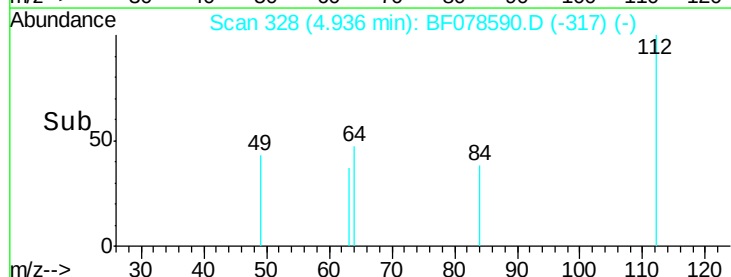
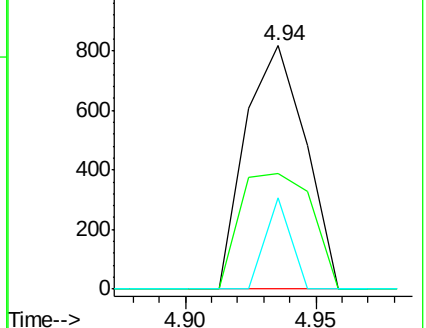
63 37.4 20.2 30.4#

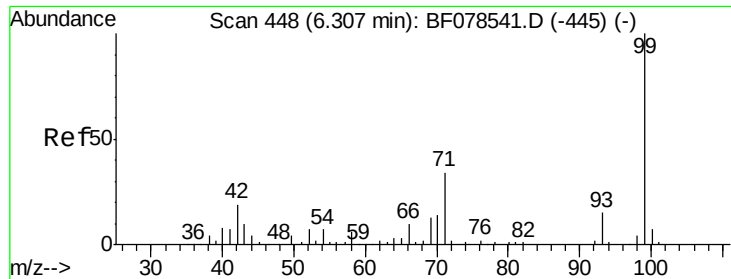


Abundance Ion 112.00 (111.70 to 112.70): E

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

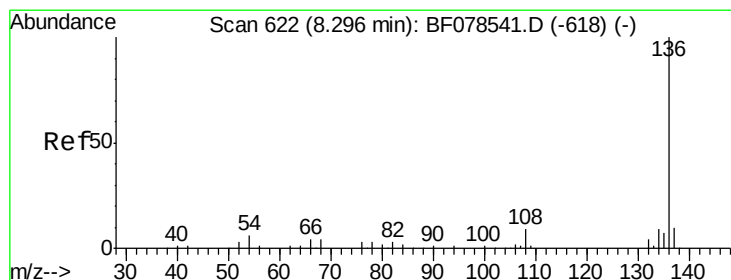
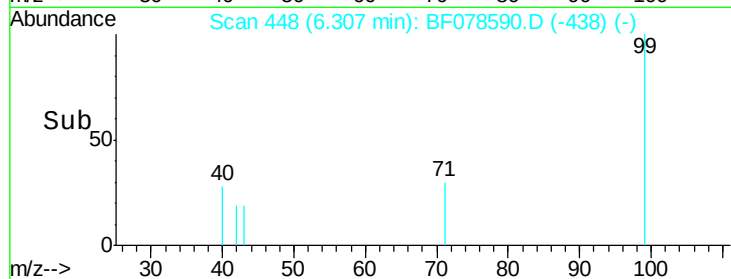
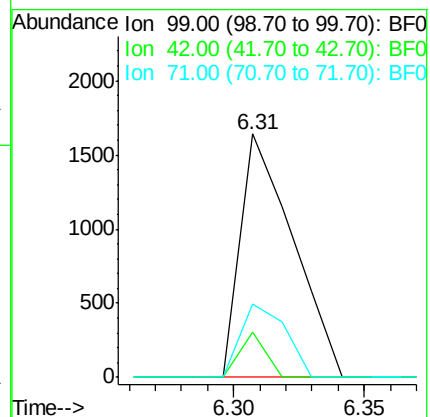
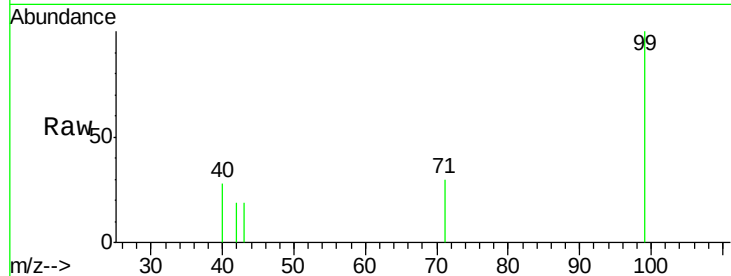
Tgt Ion: 99 Resp: 2311

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

71 30.0 26.6 39.8



#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

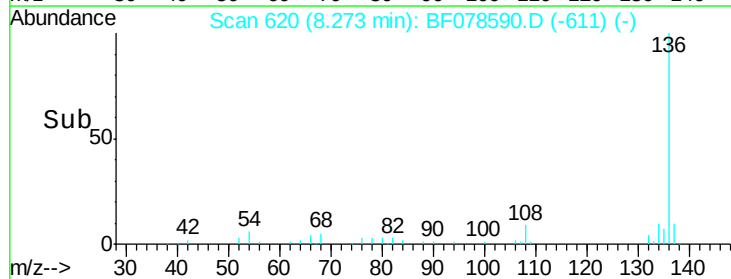
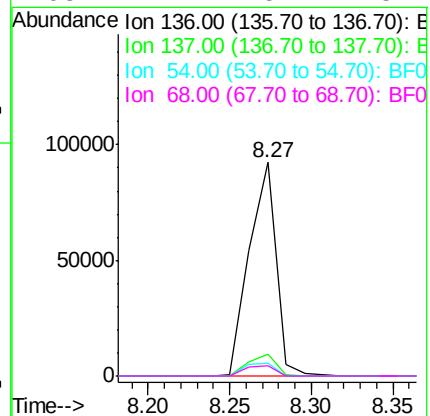
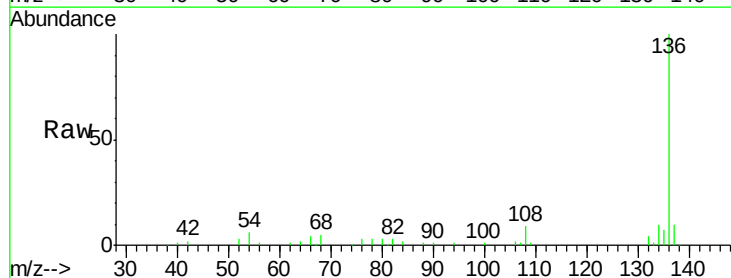
Ion Ratio Lower Upper

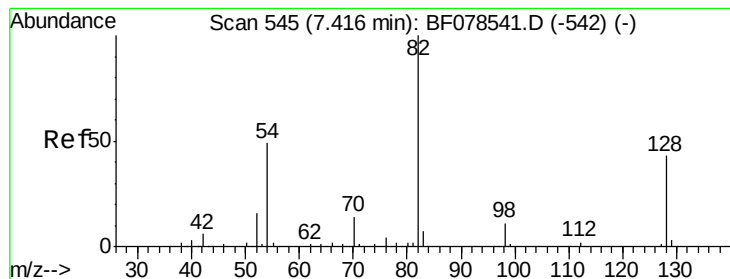
136 100

137 10.1 9.0 13.4

54 6.0 7.0 10.6#

68 4.7 5.4 8.2#





#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 :

BNA_F

ClientSampleId :

HS-SB03ADL

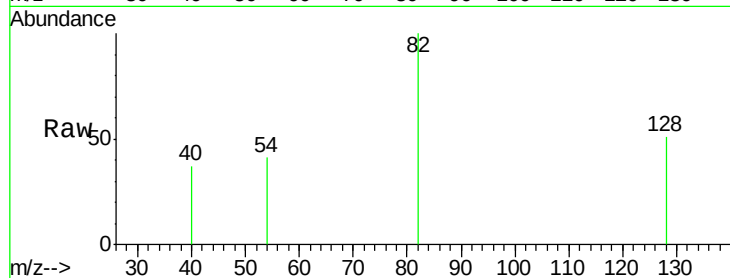
Tgt Ion: 82 Resp: 1226

Ion Ratio Lower Upper

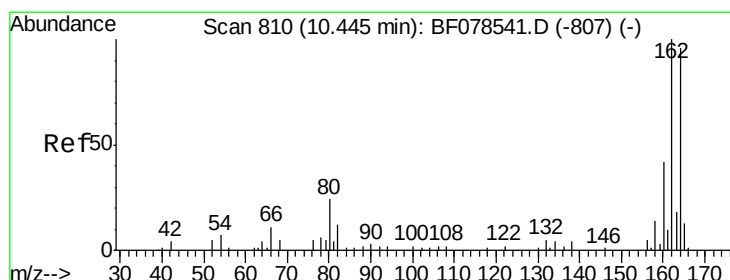
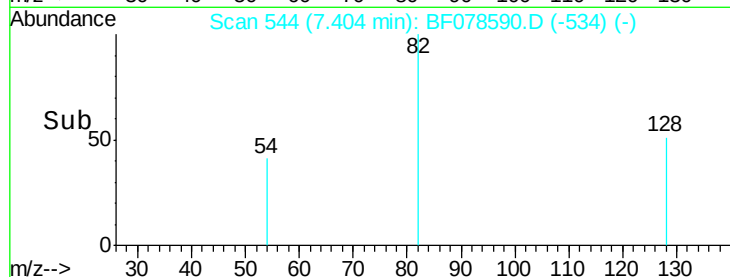
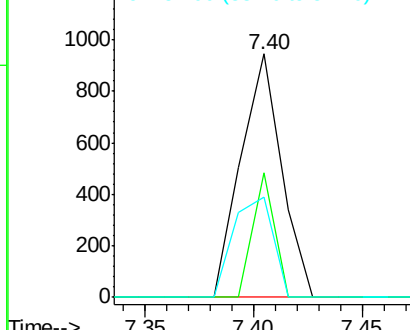
82 100

128 51.3 31.8 47.8#

54 41.1 41.5 62.3#



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: BF078590.D

Acq: 17 Apr 2015 4:41

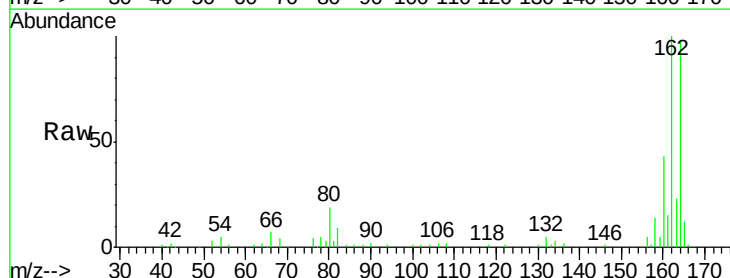
Tgt Ion: 164 Resp: 56479

Ion Ratio Lower Upper

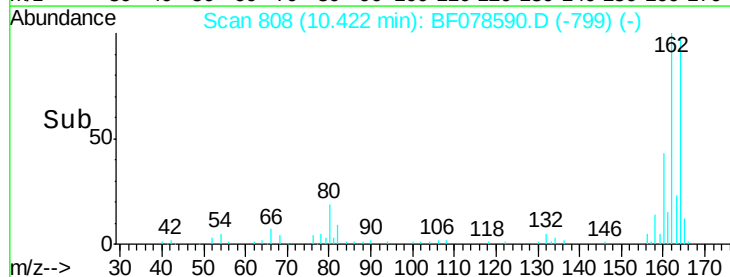
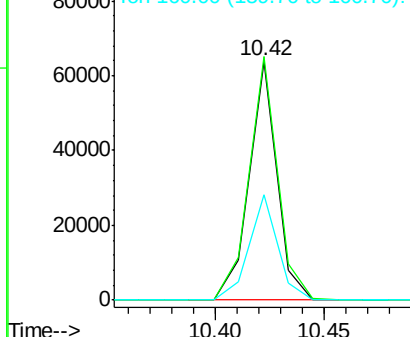
164 100

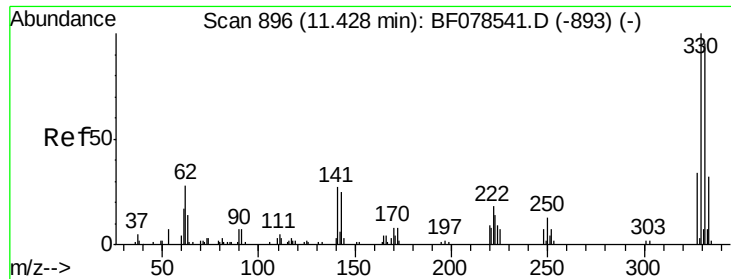
162 101.8 82.2 123.2

160 44.0 34.7 52.1



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

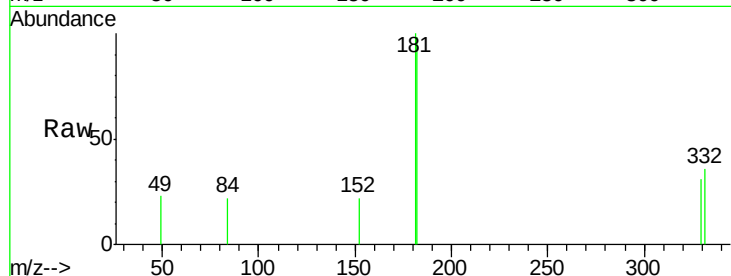




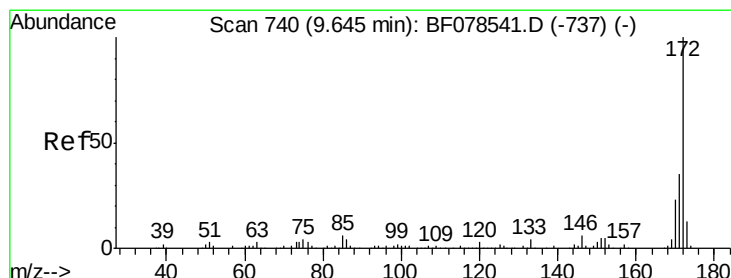
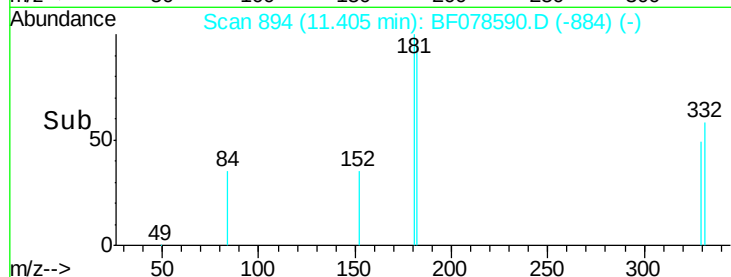
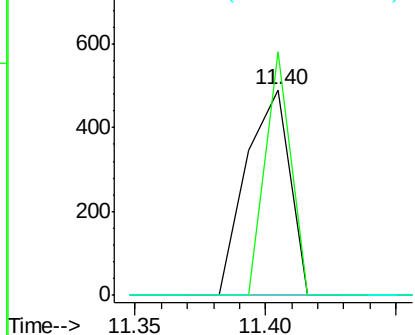
#41
 2,4,6-Tribromophenol
 Concen: 1.23 ng
 RT: 11.40 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

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#

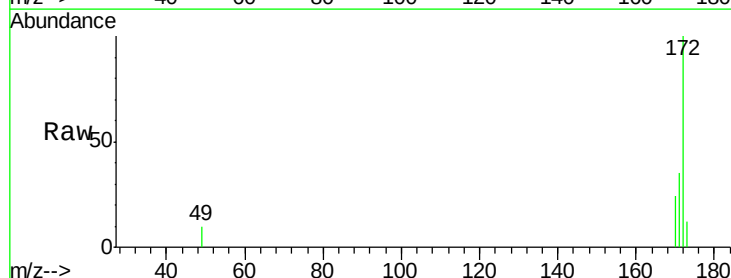


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

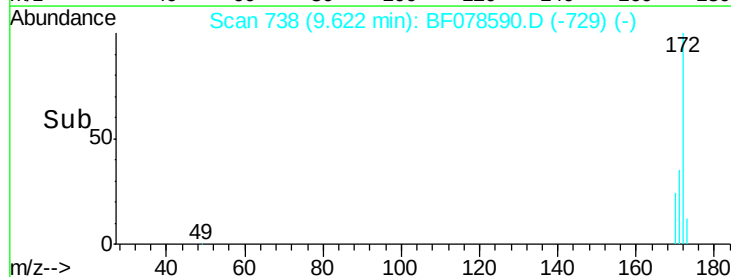
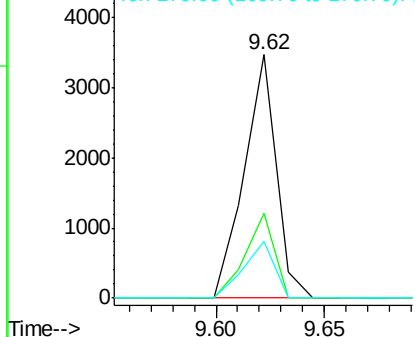


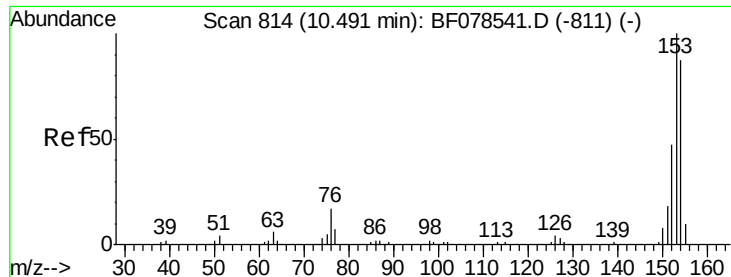
#44
 2-Fluorobiphenyl
 Concen: 0.90 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

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

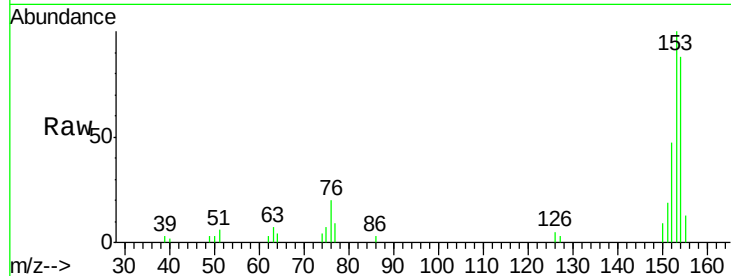
Tgt Ion:154 Resp: 11784

Ion Ratio Lower Upper

154 100

153 113.0 91.4 137.2

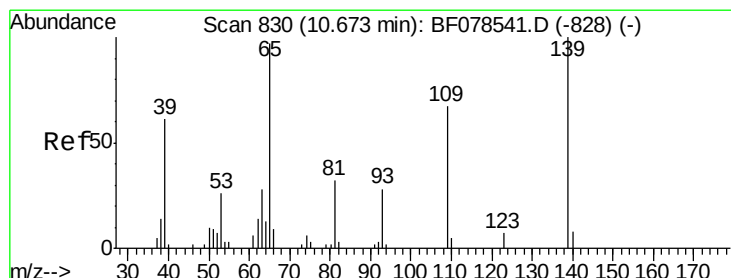
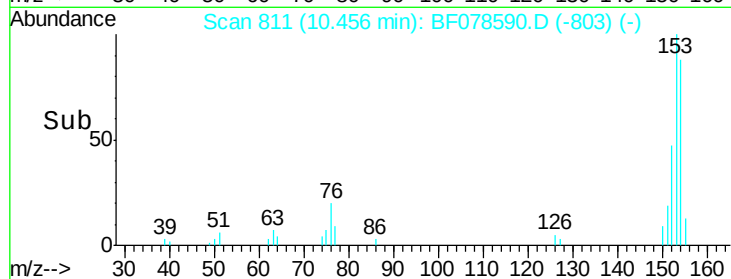
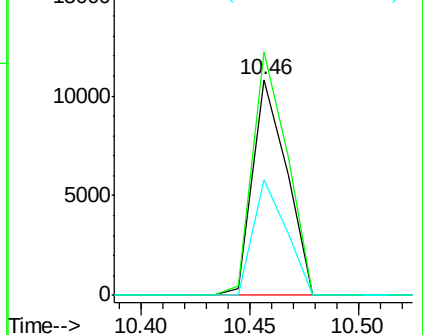
152 53.4 43.0 64.6



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



#55

4-Nitrophenol

Concen: 5.64 ng

RT: 10.67 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

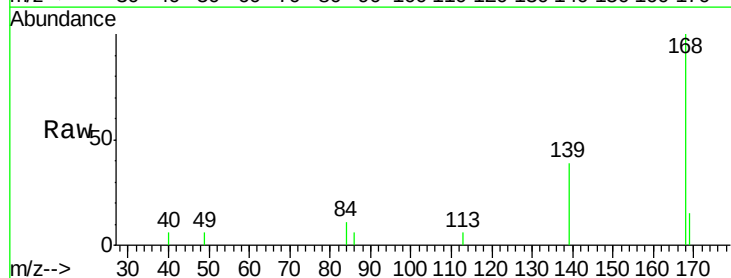
Tgt Ion:139 Resp: 2173

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

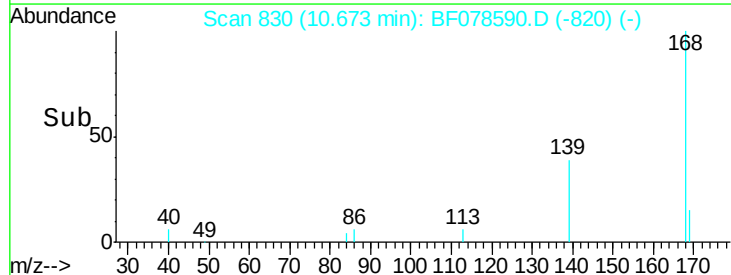
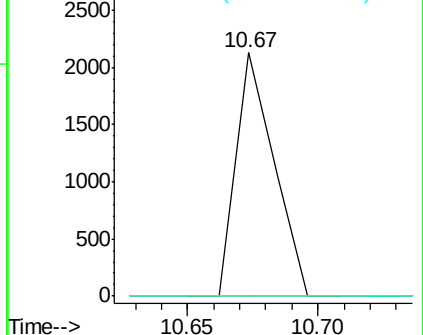
65 0.0 49.9 89.9#

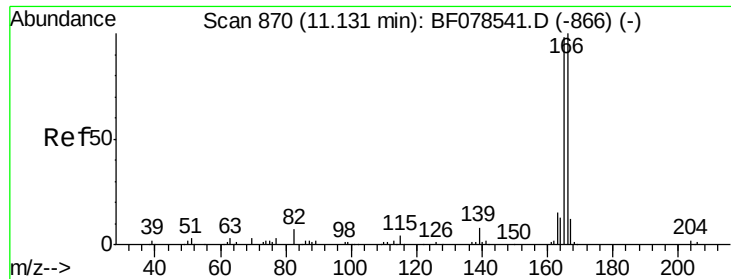


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

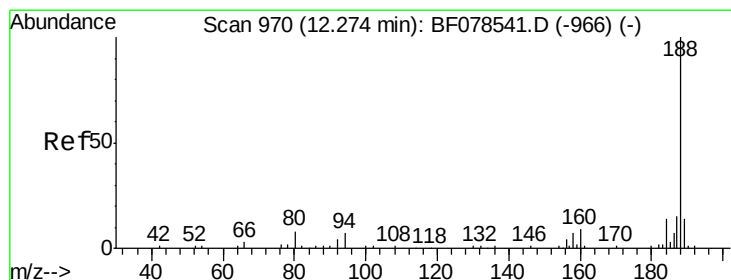
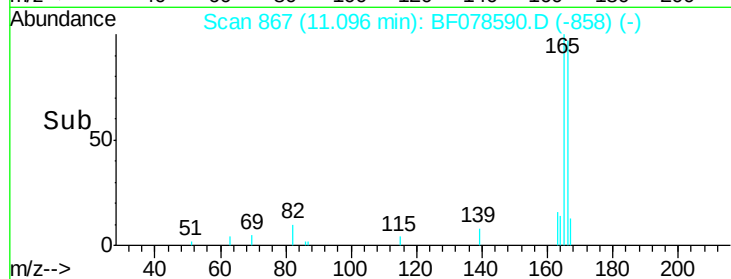
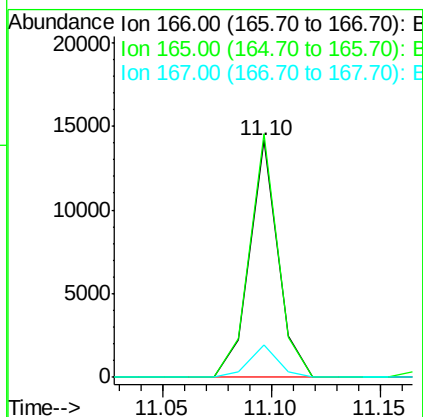
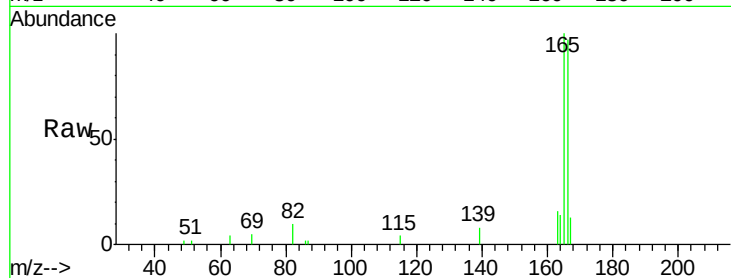




#57
 Fluorene
 Concen: 3.16 ng
 RT: 11.10 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

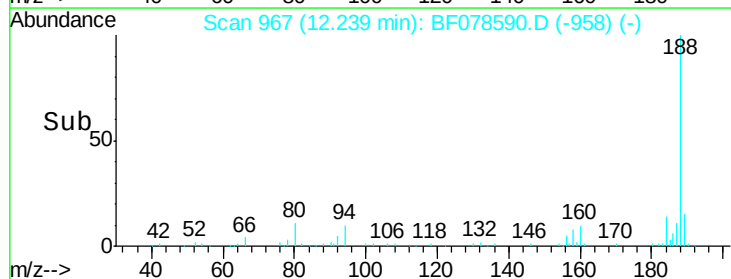
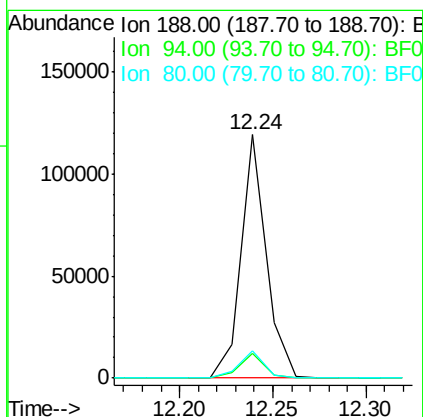
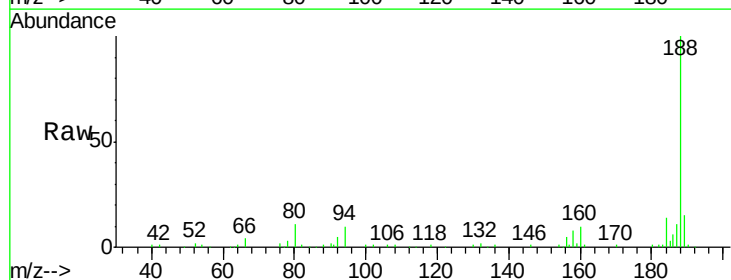
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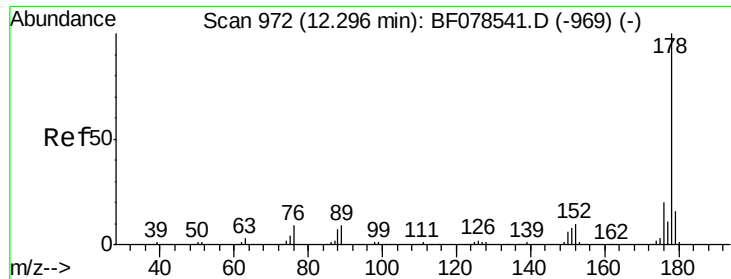
Tgt Ion:166 Resp: 12919
 Ion Ratio Lower Upper
 166 100
 165 102.8 78.9 118.3
 167 13.8 10.7 16.1



#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

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

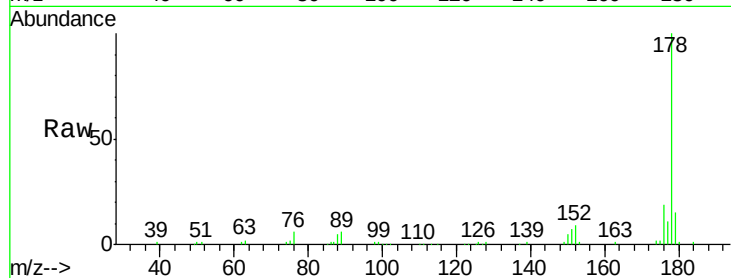




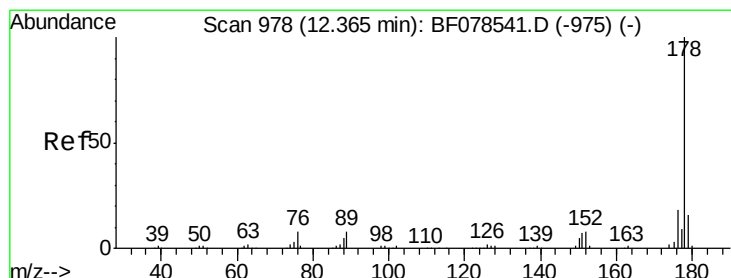
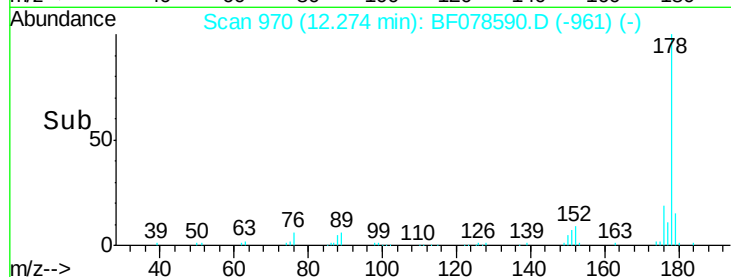
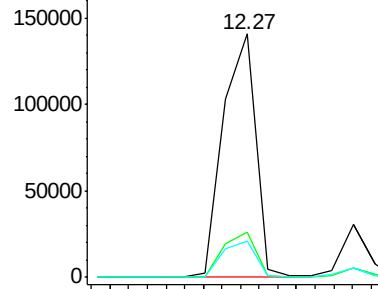
#70
Phenanthrene
Concen: 26.63 ng
RT: 12.27 min Scan# 970
Delta R.T. -0.00 min
Lab File: BF078590.D
Acq: 17 Apr 2015 4:41

Instrument :
BNA_F
ClientSampleId :
HS-SB03ADL

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

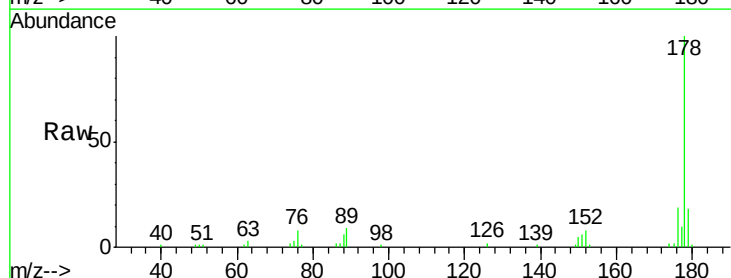


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

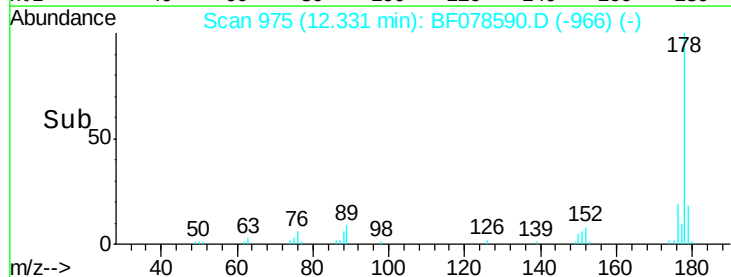
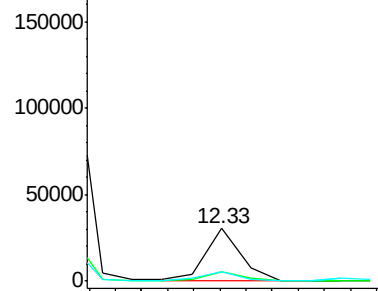


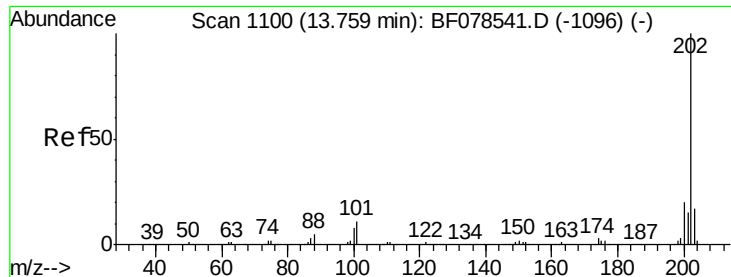
#71
Anthracene
Concen: 4.55 ng
RT: 12.33 min Scan# 975
Delta R.T. -0.00 min
Lab File: BF078590.D
Acq: 17 Apr 2015 4:41

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



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

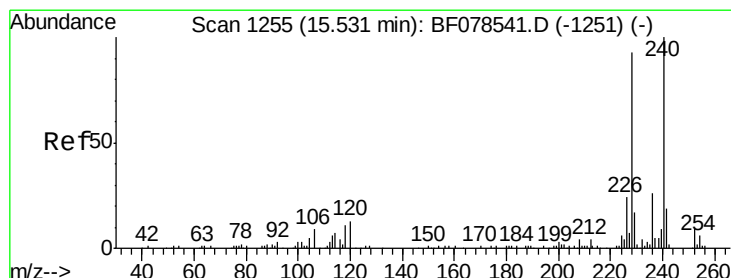
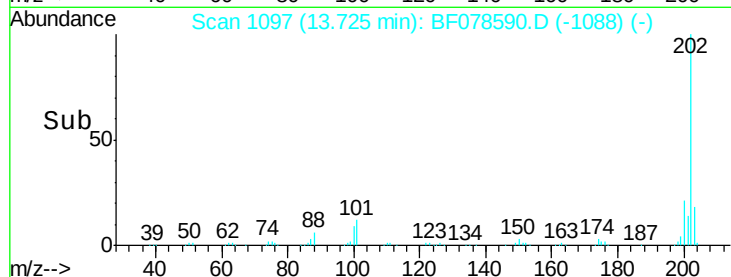
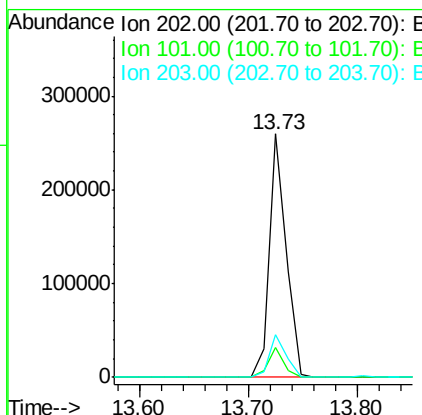
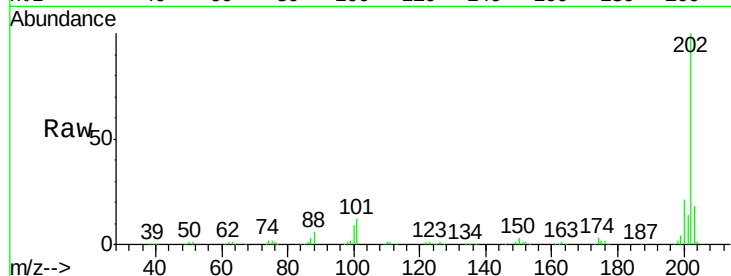




#74
Fluoranthene
Concen: 41.01 ng
RT: 13.73 min Scan# 1097
Delta R.T. -0.00 min
Lab File: BF078590.D
Acq: 17 Apr 2015 4:41

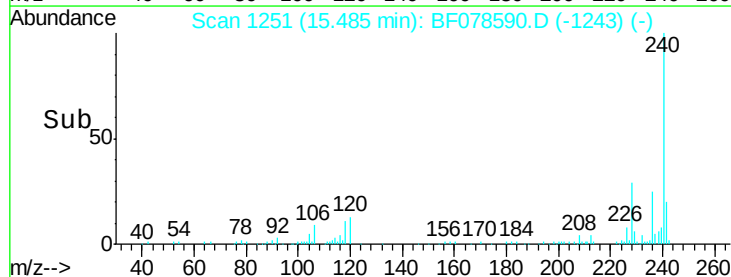
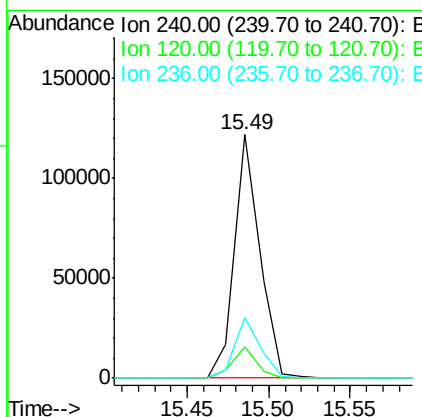
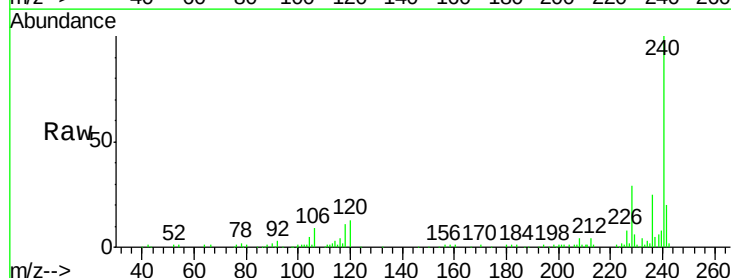
Instrument :
BNA_F
ClientSampleId :
HS-SB03ADL

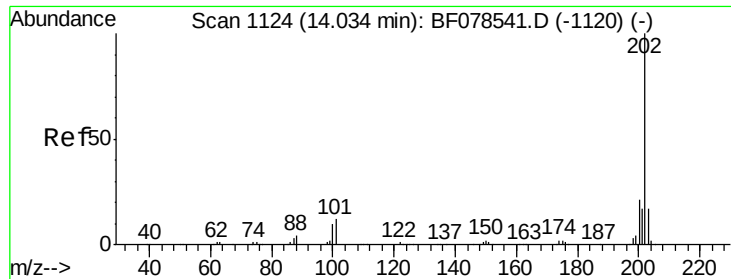
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	280623		
101	12.3	0.0	35.2	
203	17.5	0.0	38.5	



#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

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	130600		
120	12.9	7.1	10.7#	
236	24.7	21.4	32.2	





#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

Instrument :

BNA_F

ClientSampleId :

HS-SB03ADL

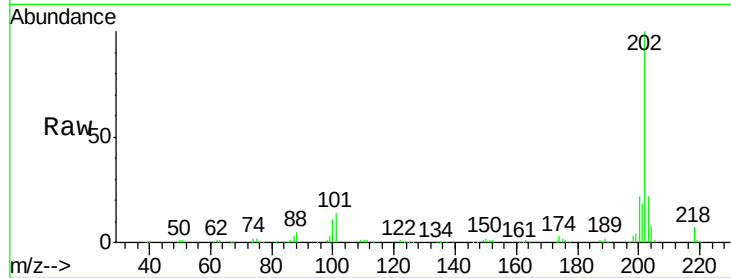
Tgt Ion: 202 Resp: 226125

Ion Ratio Lower Upper

202 100

200 21.7 16.3 24.5

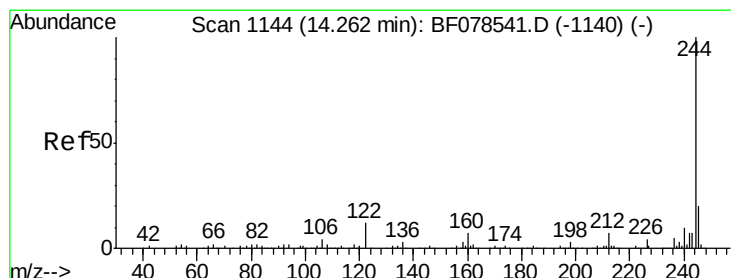
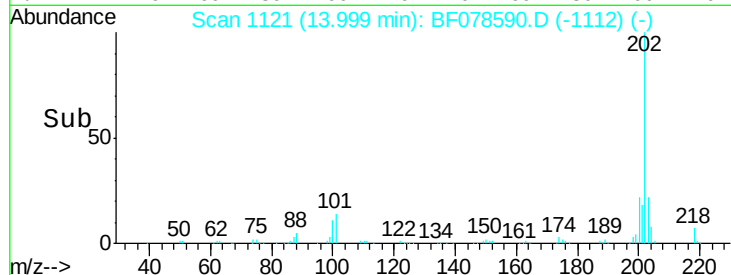
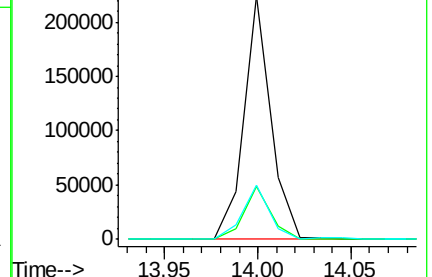
203 22.2 13.8 20.6#



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

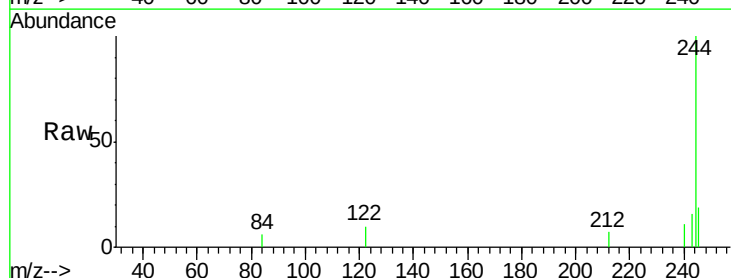
Tgt Ion: 244 Resp: 5190

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

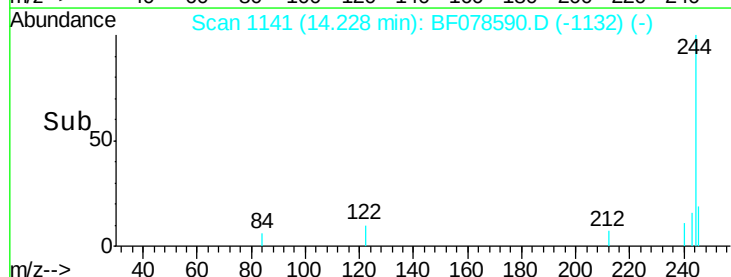
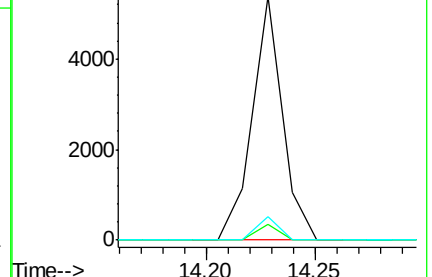
122 9.6 7.1 10.7

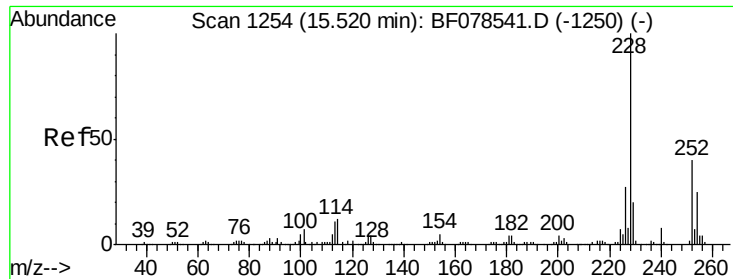


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 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

Instrument :

BNA_F

ClientSampleId :

HS-SB03ADL

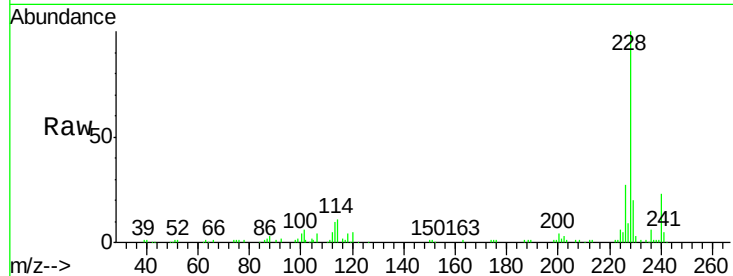
Tgt Ion:228 Resp: 90962

Ion Ratio Lower Upper

228 100

226 26.8 21.3 31.9

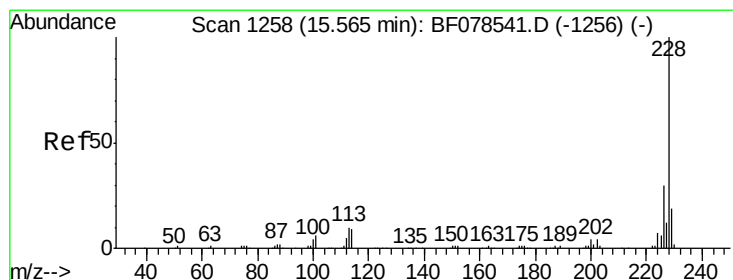
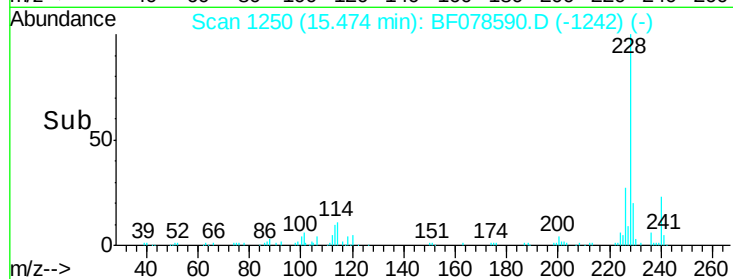
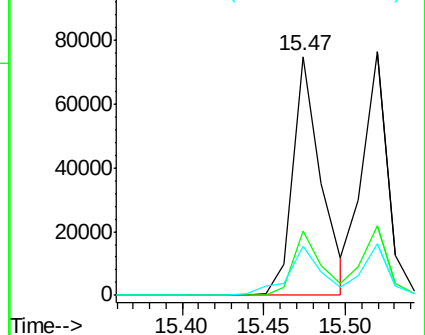
229 20.3 15.4 23.2



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: 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

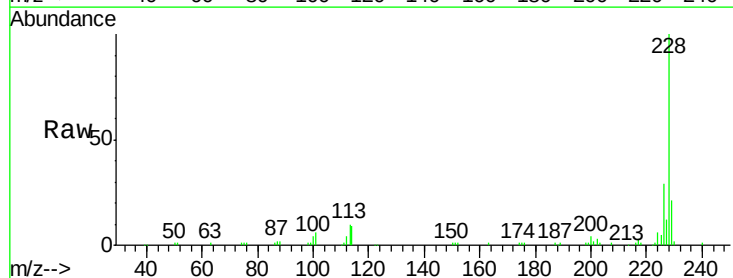
Tgt Ion:228 Resp: 82978

Ion Ratio Lower Upper

228 100

226 28.6 24.2 36.4

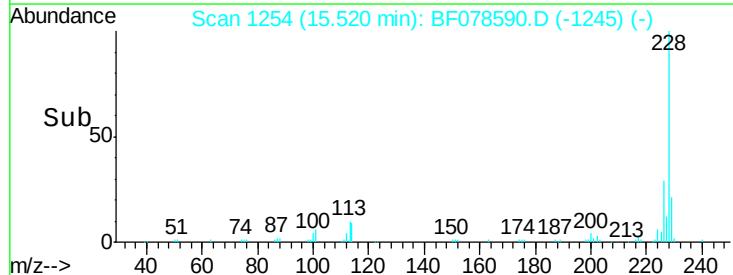
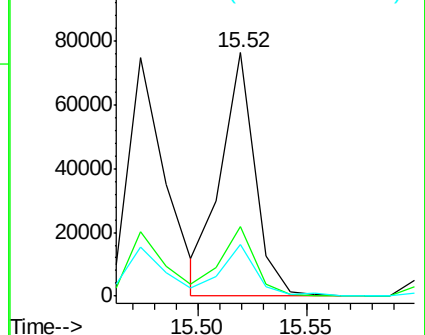
229 21.0 15.8 23.8

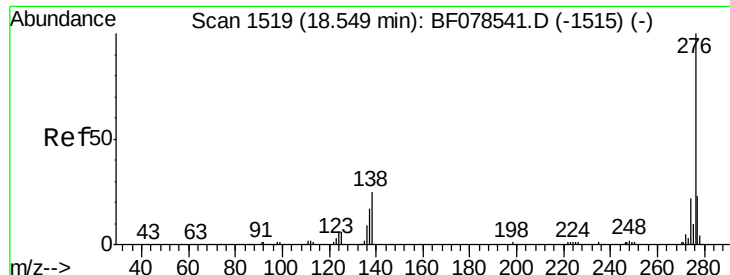


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

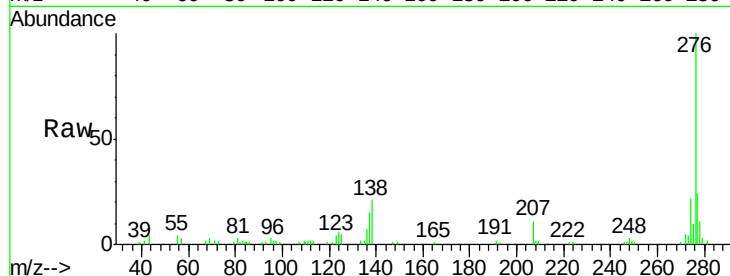




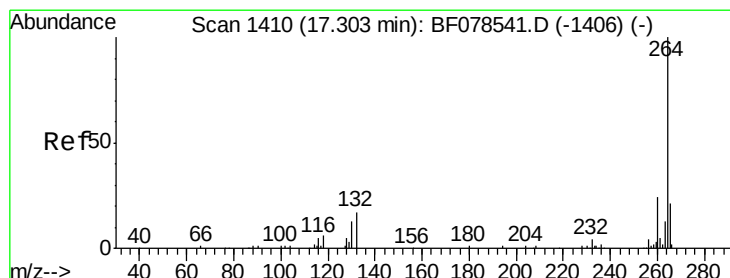
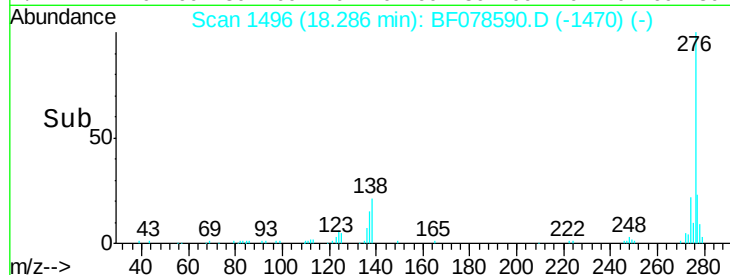
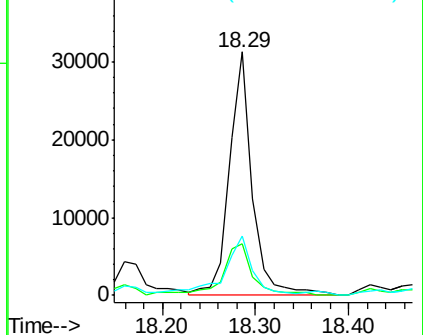
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.47 ng
 RT: 18.29 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03ADL

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#

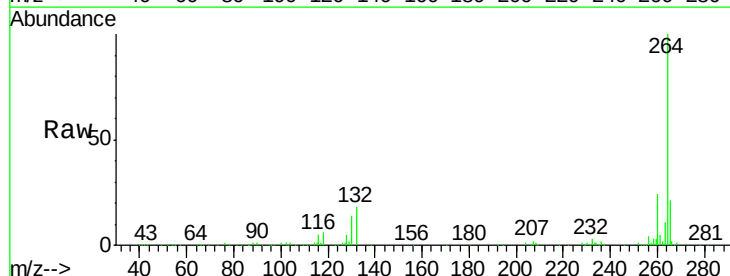


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

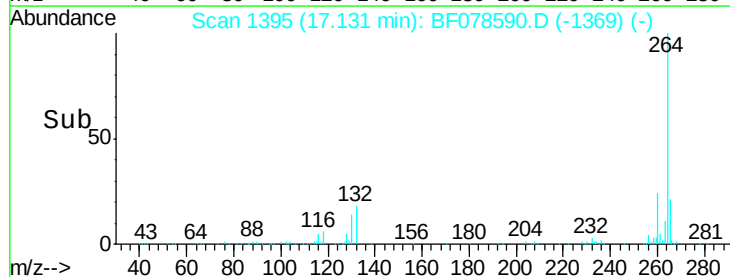
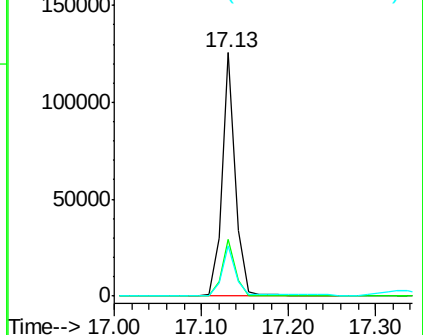


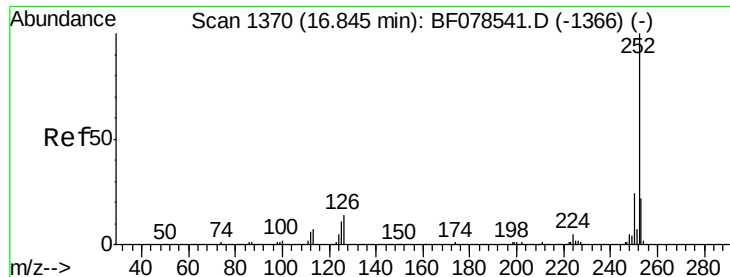
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.13 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: BF078590.D
 Acq: 17 Apr 2015 4:41

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



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 17.27 ng

RT: 16.72 min Scan# 1359

Delta R.T. -0.00 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

Instrument :

BNA_F

ClientSampleId :

HS-SB03ADL

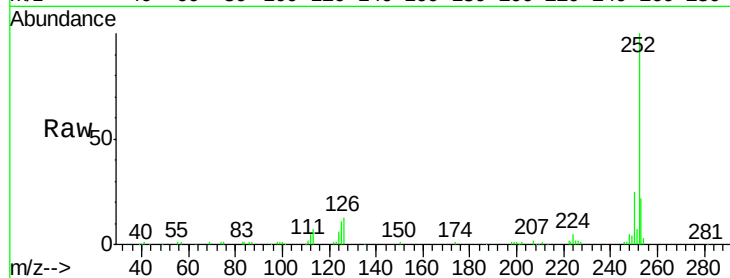
Tgt Ion:252 Resp: 143835

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

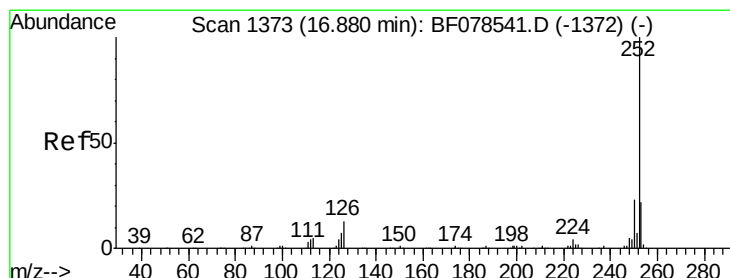
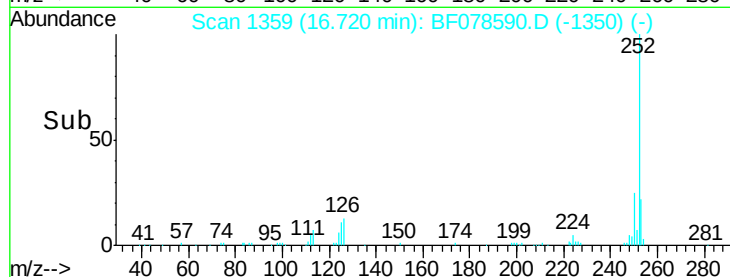
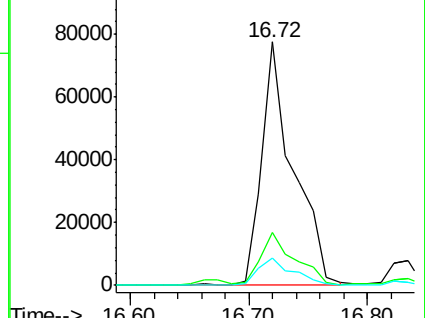
125 11.3 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 19.47 ng

RT: 16.72 min Scan# 1359

Delta R.T. -0.03 min

Lab File: BF078590.D

Acq: 17 Apr 2015 4:41

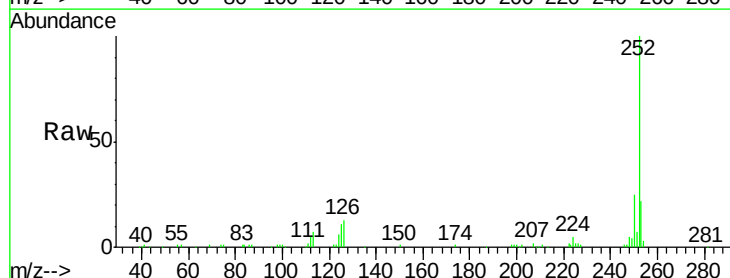
Tgt Ion:252 Resp: 144144

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

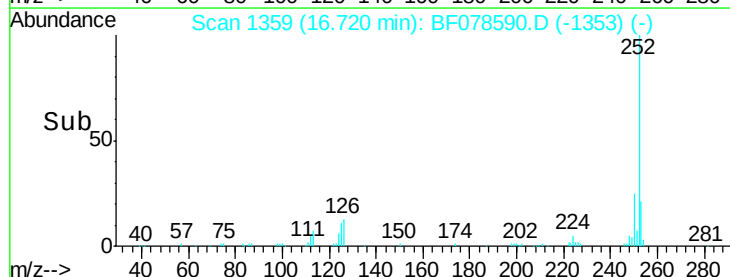
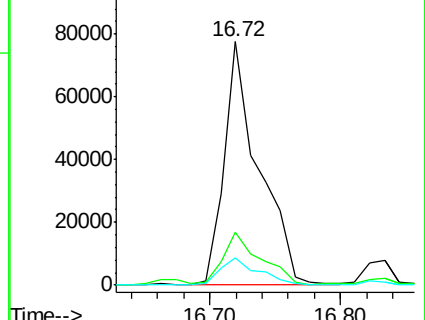
125 11.3 11.6 17.4#

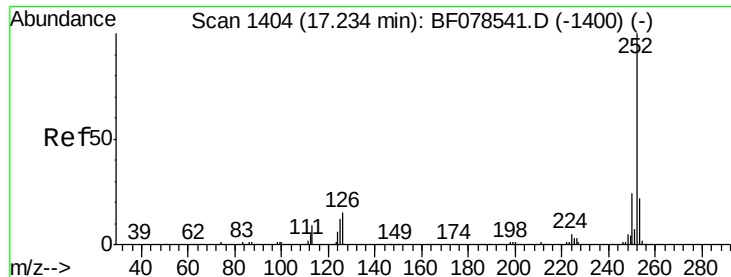


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

Instrument :

BNA_F

ClientSampleId :

HS-SB03ADL

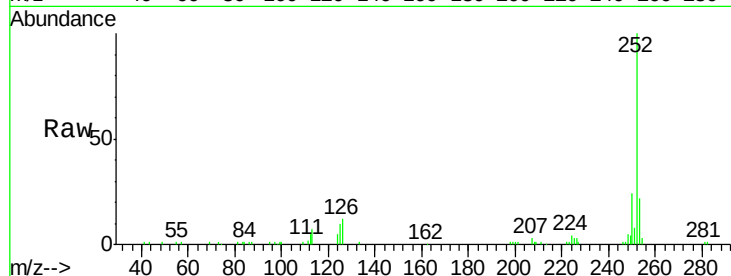
Tgt Ion:252 Resp: 78523

Ion Ratio Lower Upper

252 100

253 22.2 16.8 25.2

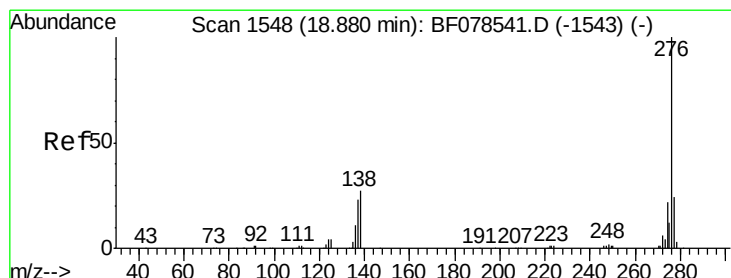
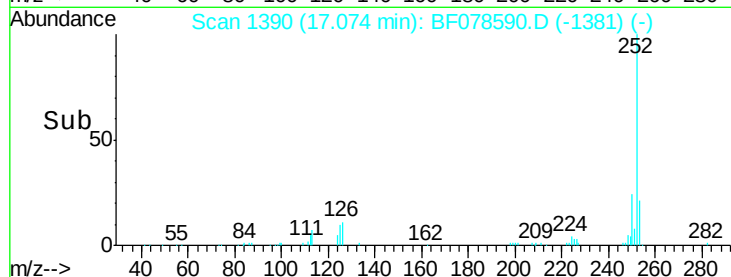
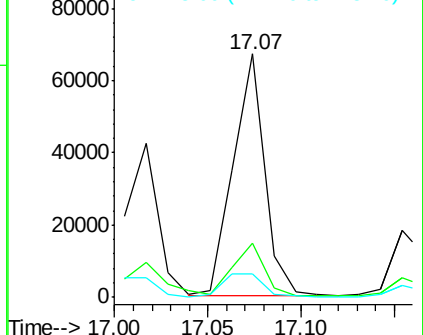
125 9.9 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#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

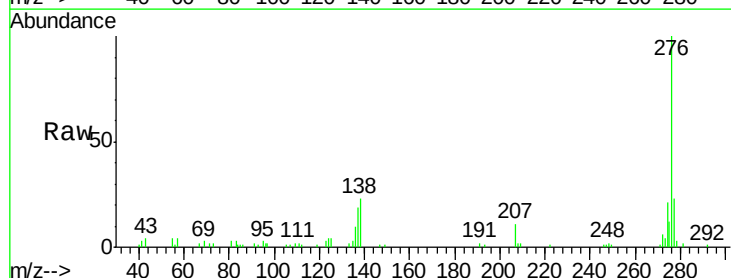
Tgt Ion:276 Resp: 49803

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

