

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078596.D
 Acq On : 17 Apr 2015 7:33
 Operator : TP/IZ
 Sample : G1828-12DL 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB01ADL

Quant Time: Apr 17 07:14:09 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

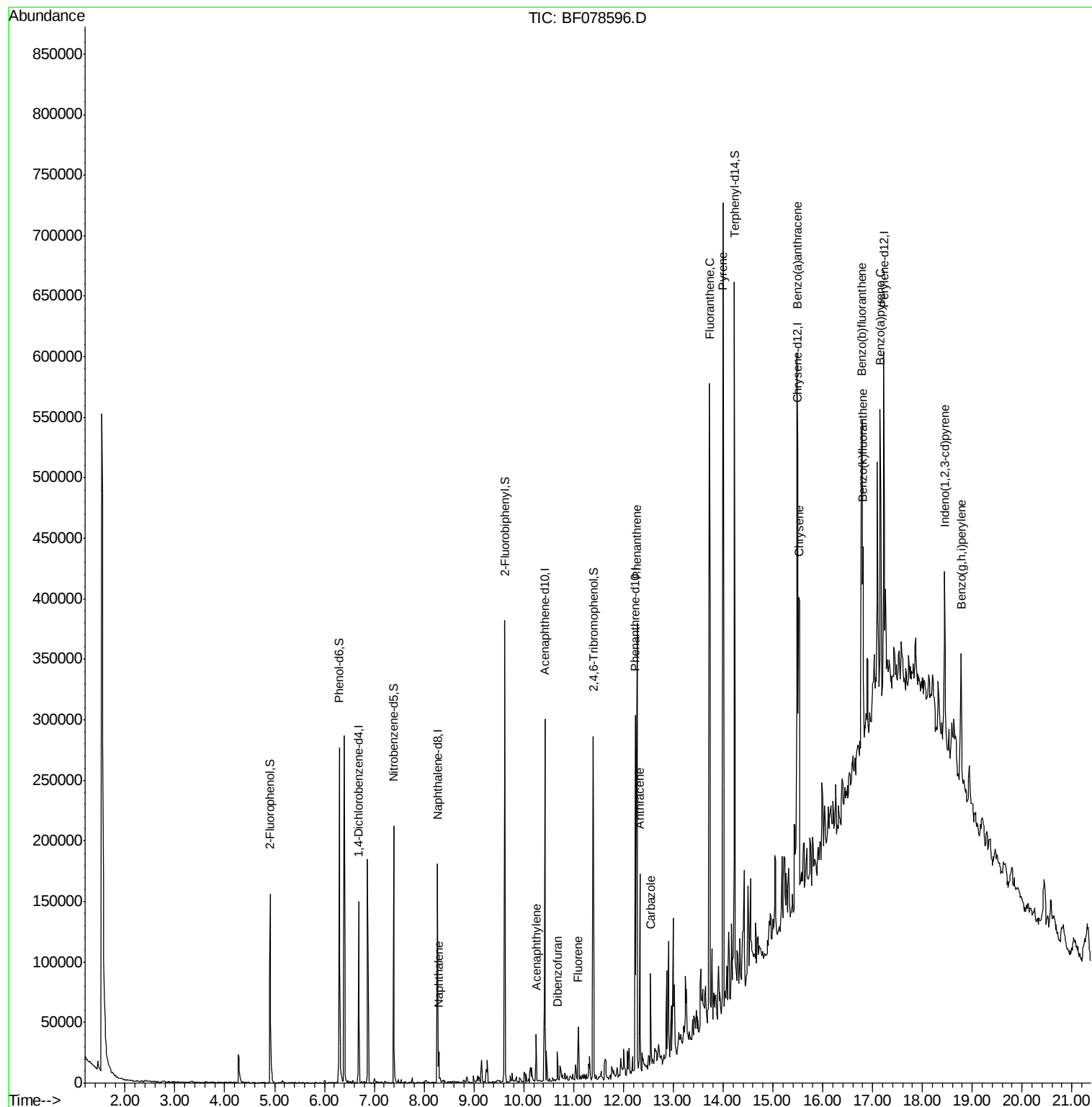
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	26004	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	109233	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	59096	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	116834	20.00	ng	0.00
75) Chrysene-d12	15.50	240	132353	20.00	ng	0.00
86) Perylene-d12	17.22	264	132393	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	68506	43.44	ng	0.00
7) Phenol-d6	6.30	99	112818	57.08	ng	0.00
23) Nitrobenzene-d5	7.39	82	68114	37.80	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	31584	64.44	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	156061	37.75	ng	0.00
78) Terphenyl-d14	14.23	244	208965	35.68	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.30	128	12242	2.15	ng	98
48) Acenaphthylene	10.25	152	21123	3.44	ng	99
54) Dibenzofuran	10.67	168	11089	2.10	ng	99
57) Fluorene	11.10	166	13085	3.06	ng	98
70) Phenanthrene	12.27	178	189092	27.98	ng	100
71) Anthracene	12.33	178	64210	9.64	ng	99
72) Carbazole	12.55	167	30188	4.84	ng	99
74) Fluoranthene	13.73	202	279257	39.18	ng	98
77) Pyrene	14.00	202	258685	31.13	ng	# 94
80) Benzo(a)anthracene	15.49	228	171585	21.79	ng	98
82) Chrysene	15.53	228	127946	17.29	ng	95
85) Indeno(1,2,3-cd)pyrene	18.45	276	89855m	10.70	ng	
87) Benzo(b)fluoranthene	16.79	252	191302m	23.38	ng	
88) Benzo(k)fluoranthene	16.81	252	61873m	8.51	ng	
89) Benzo(a)pyrene	17.15	252	134123	18.78	ng	# 91
91) Benzo(g,h,i)perylene	18.78	276	80407m	11.22	ng	

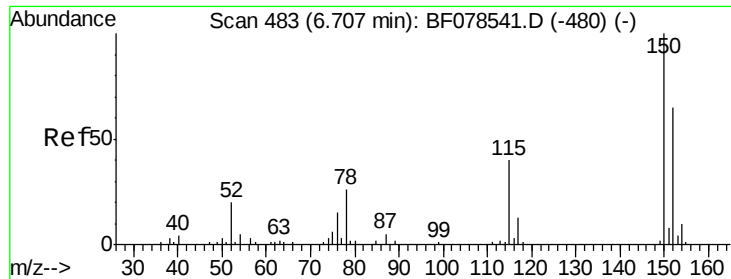
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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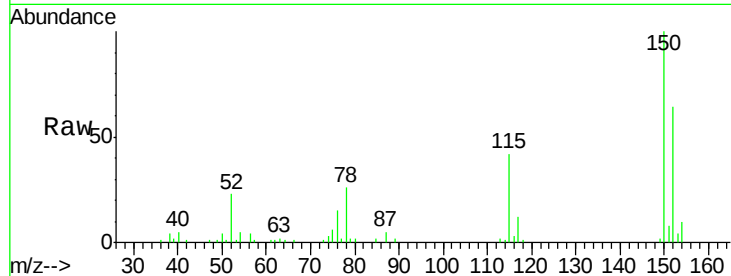




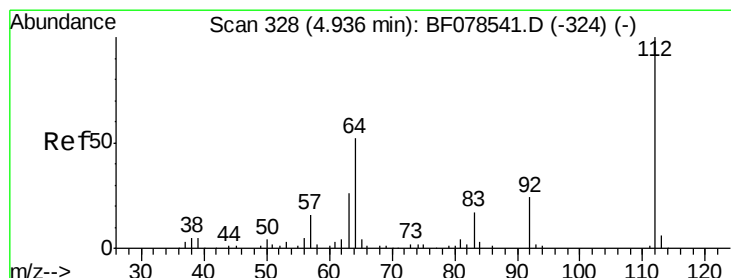
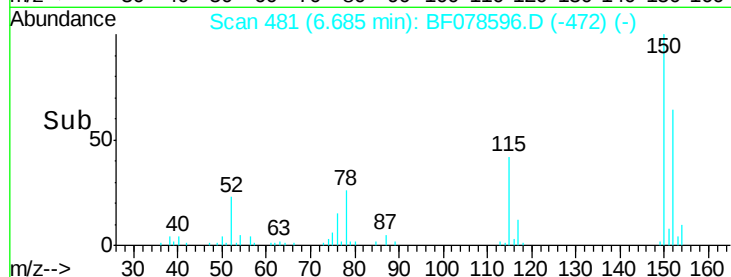
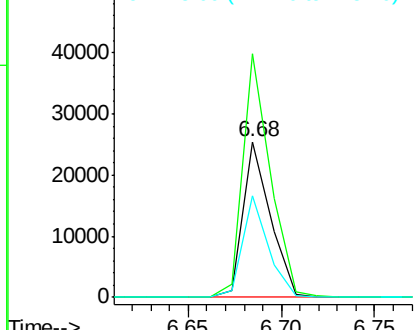
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: BF078596.D
 Acq: 17 Apr 2015 7:33

Instrument :
 BNA_F
 ClientSampleID :
 HS-SB01ADL

Tgt Ion:152 Resp: 26004
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.9 188.9
 115 65.5 52.7 79.1

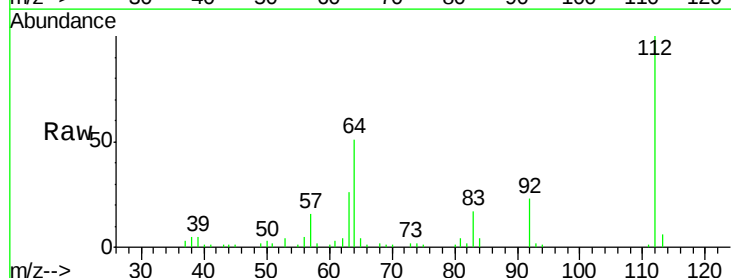


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

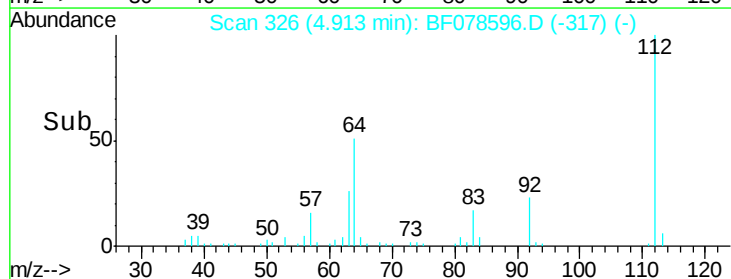
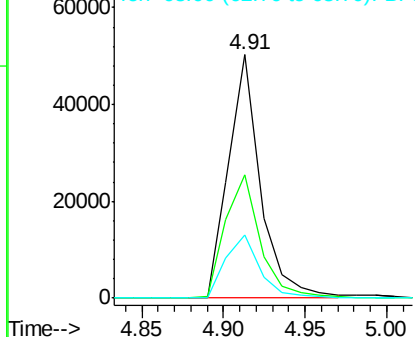


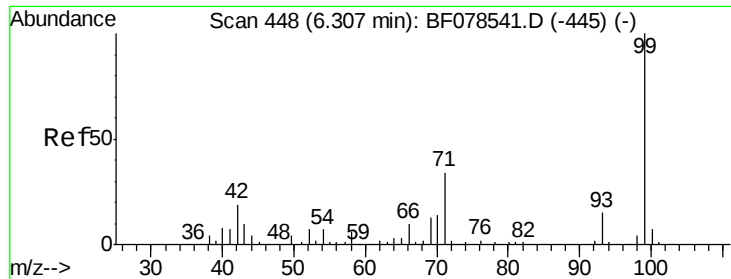
#5
 2-Fluorophenol
 Concen: 43.44 ng
 RT: 4.91 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: BF078596.D
 Acq: 17 Apr 2015 7:33

Tgt Ion:112 Resp: 68506
 Ion Ratio Lower Upper
 112 100
 64 50.5 39.9 59.9
 63 25.8 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: 57.08 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

Instrument :

BNA_F

ClientSampleId :

HS-SB01ADL

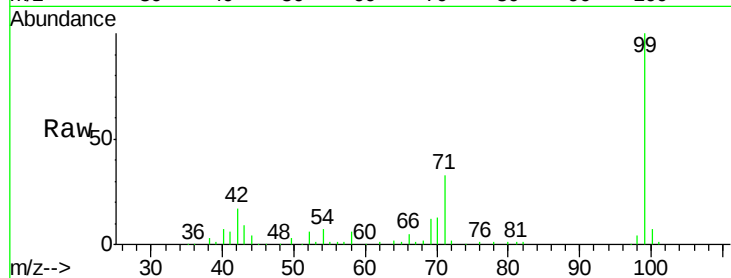
Tgt Ion: 99 Resp: 112818

Ion Ratio Lower Upper

99 100

42 16.9 14.8 22.2

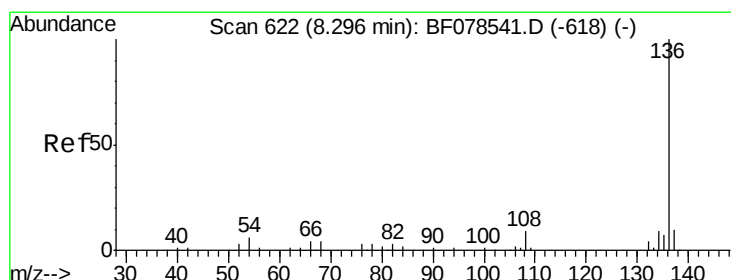
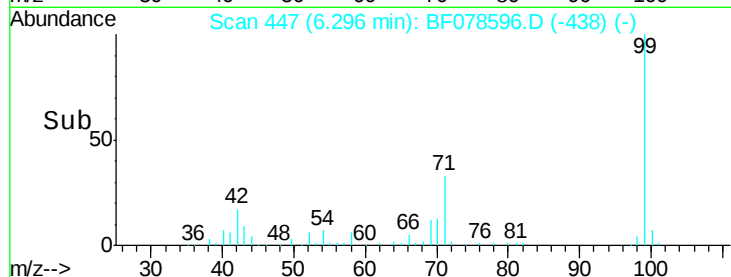
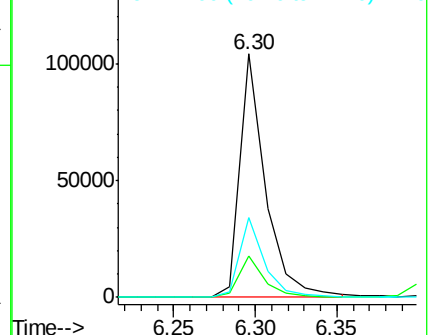
71 32.8 26.6 39.8



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: BF078596.D

Acq: 17 Apr 2015 7:33

Tgt Ion: 136 Resp: 109233

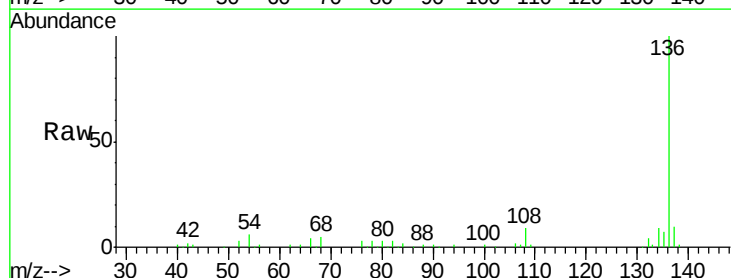
Ion Ratio Lower Upper

136 100

137 10.2 9.0 13.4

54 5.7 7.0 10.6#

68 4.6 5.4 8.2#

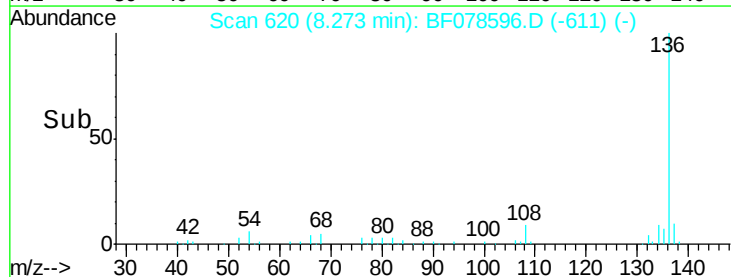
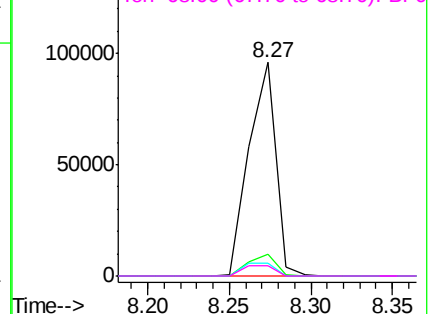


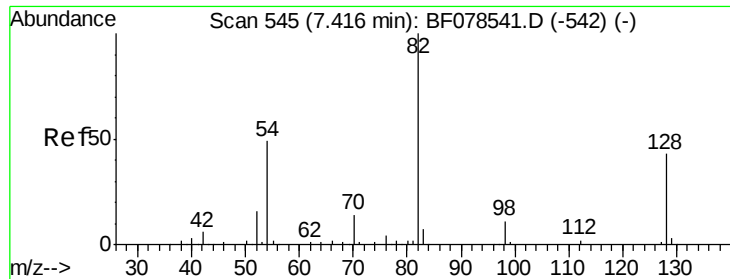
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

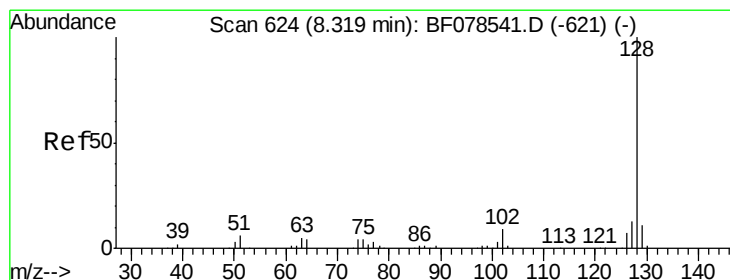
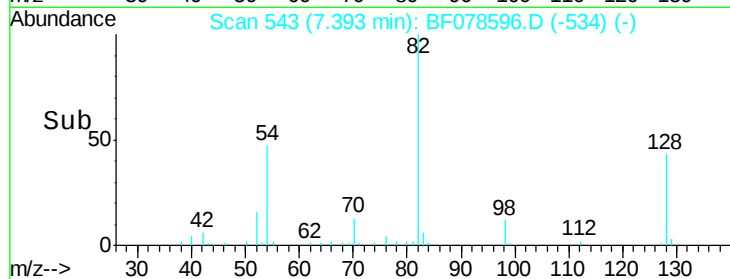
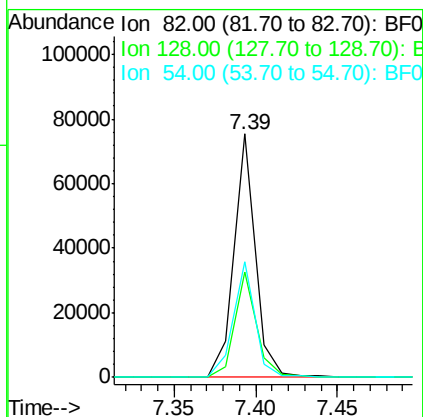
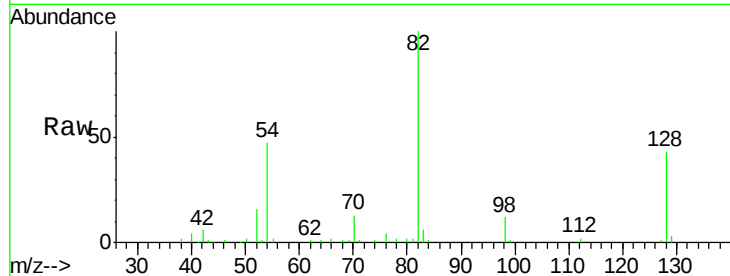




#23
 Nitrobenzene-d5
 Concen: 37.80 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078596.D
 Acq: 17 Apr 2015 7:33

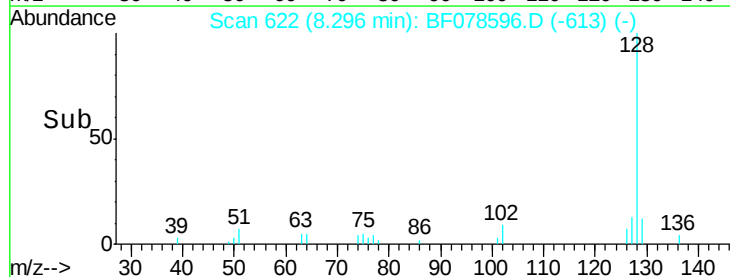
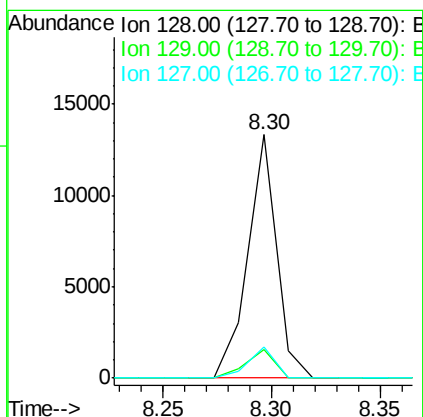
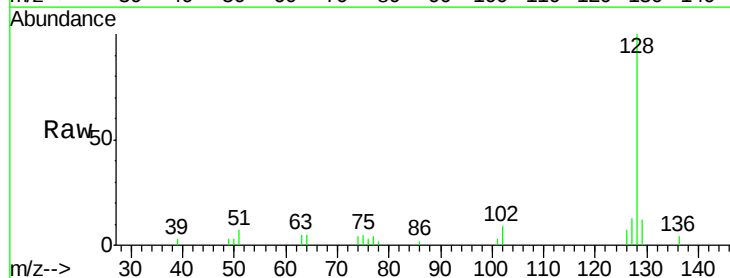
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 BNA_F
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 HS-SB01ADL

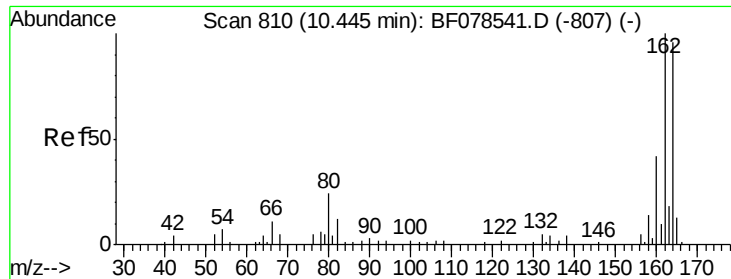
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.3	31.8	47.8
54	47.5	41.5	62.3



#31
 Naphthalene
 Concen: 2.15 ng
 RT: 8.30 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF078596.D
 Acq: 17 Apr 2015 7:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.6	12.8
127	12.7	10.7	16.1

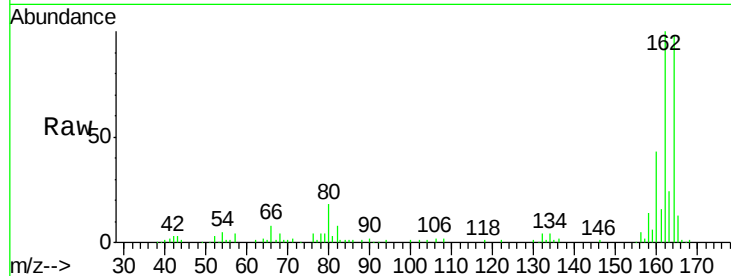




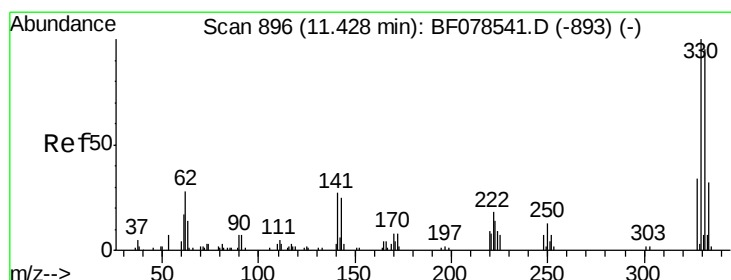
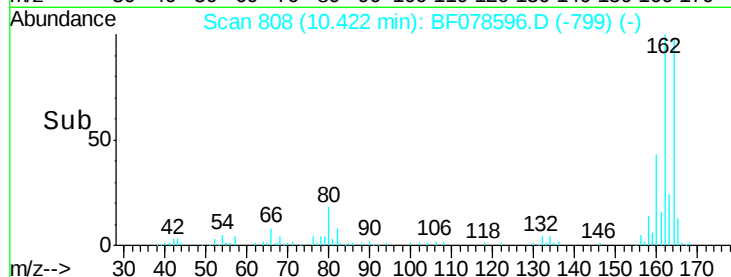
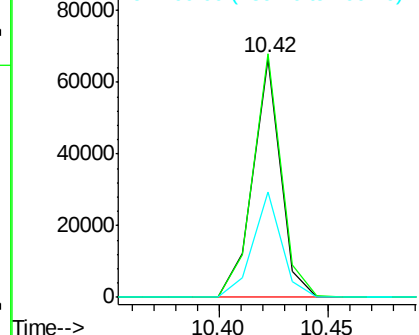
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078596.D
 Acq: 17 Apr 2015 7:33

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB01ADL

Tgt Ion:164 Resp: 59096
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.2 123.2
 160 44.2 34.7 52.1

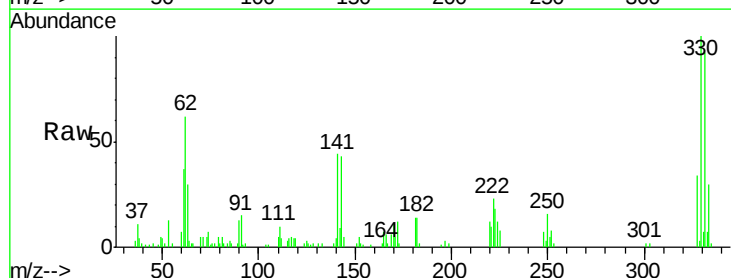


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

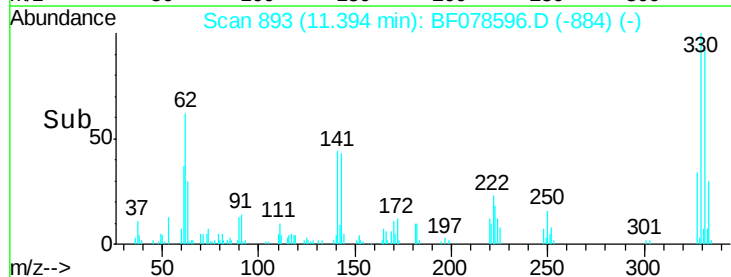
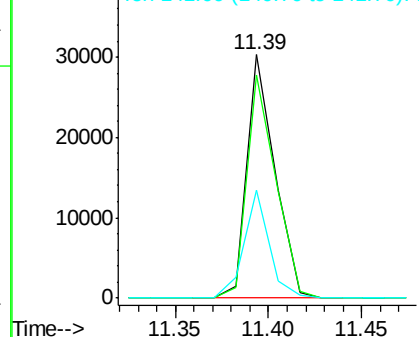


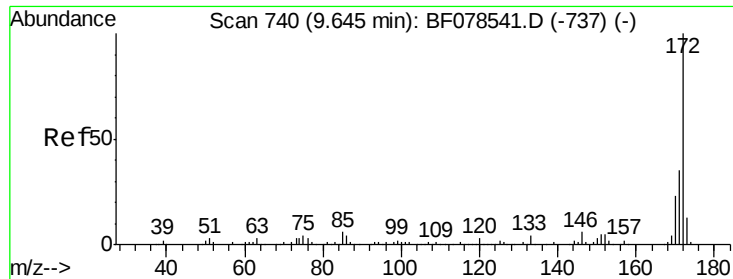
#41
 2,4,6-Tribromophenol
 Concen: 64.44 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF078596.D
 Acq: 17 Apr 2015 7:33

Tgt Ion:330 Resp: 31584
 Ion Ratio Lower Upper
 330 100
 332 94.0 78.6 117.8
 141 40.5 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

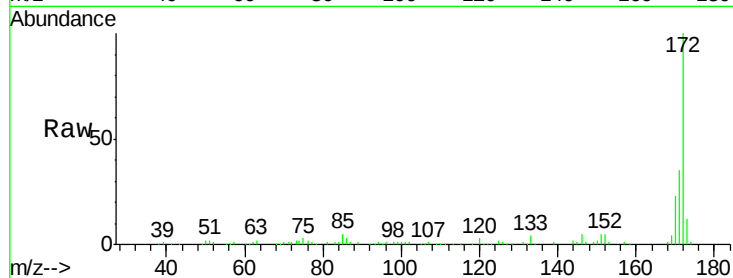




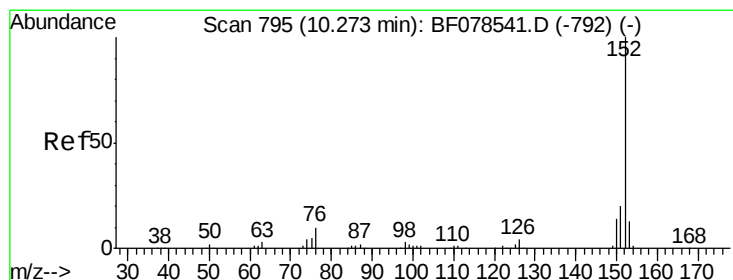
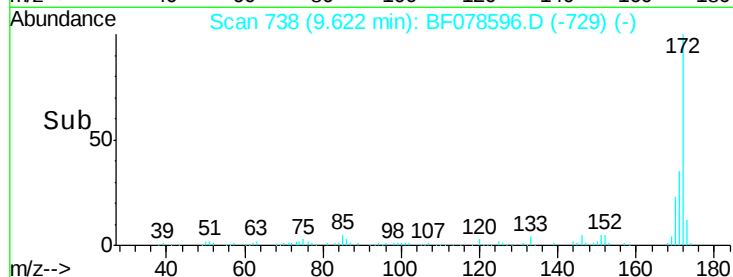
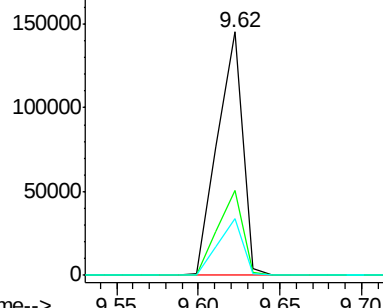
#44
 2-Fluorobiphenyl
 Concen: 37.75 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078596.D
 Acq: 17 Apr 2015 7:33

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Tgt Ion:172 Resp: 156061
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 42.8
 170 23.4 18.5 27.7

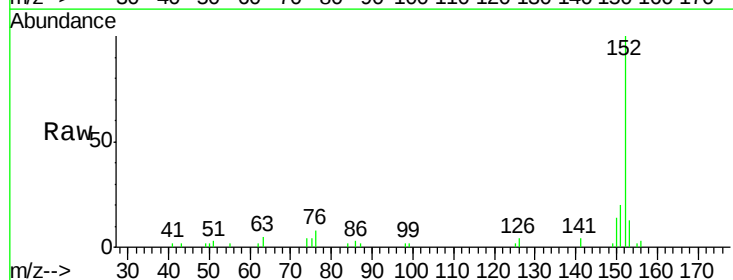


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

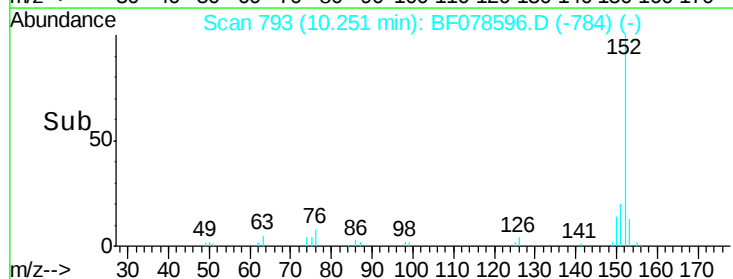
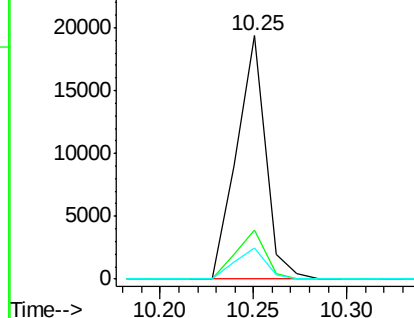


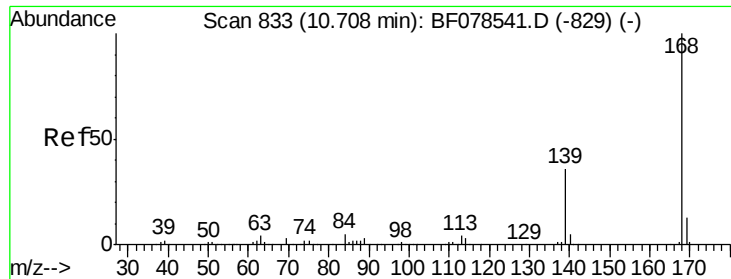
#48
 Acenaphthylene
 Concen: 3.44 ng
 RT: 10.25 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF078596.D
 Acq: 17 Apr 2015 7:33

Tgt Ion:152 Resp: 21123
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.7 23.5
 153 13.0 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

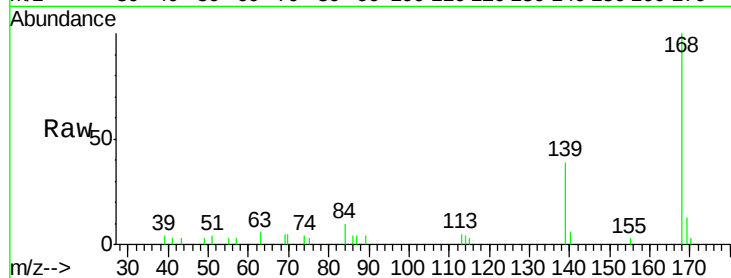




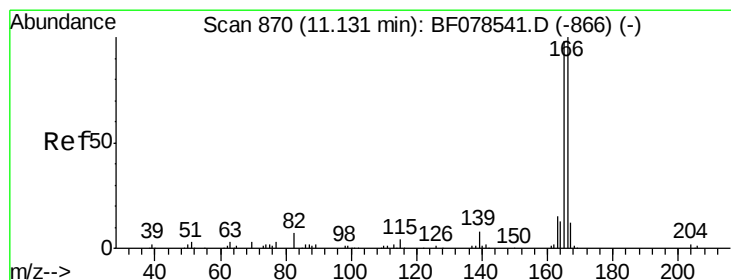
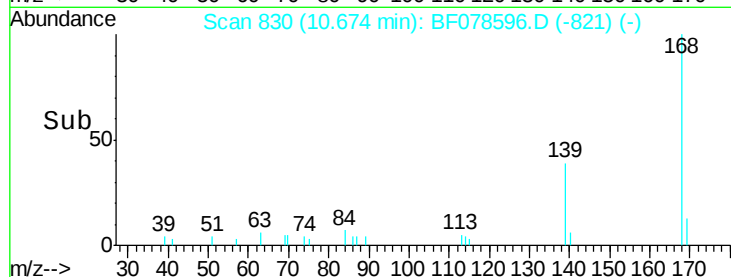
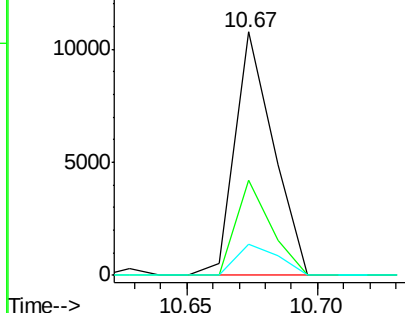
#54
Dibenzenofuran
Concen: 2.10 ng
RT: 10.67 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF078596.D
Acq: 17 Apr 2015 7:33

Instrument :
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Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.0	46.4
169	12.7	10.7	16.1

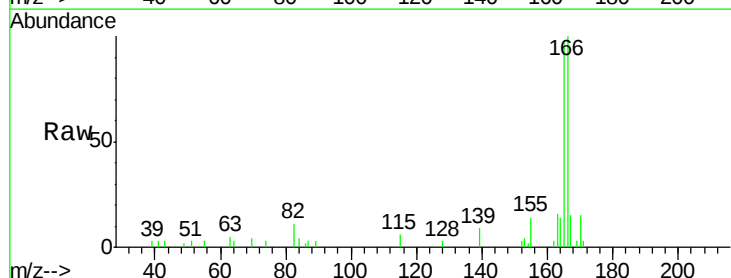


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

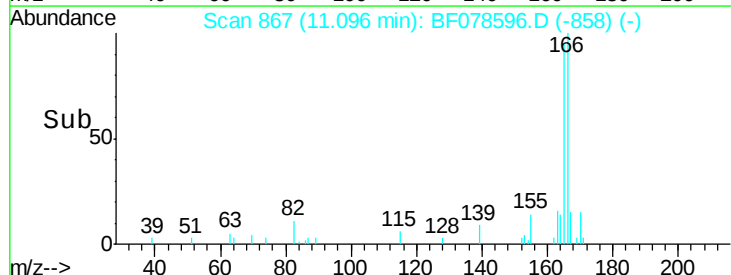
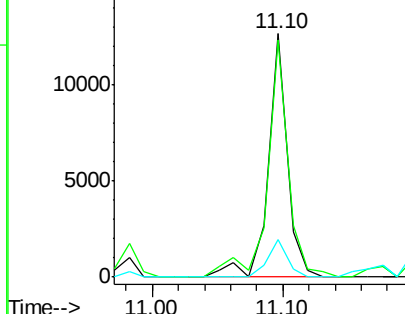


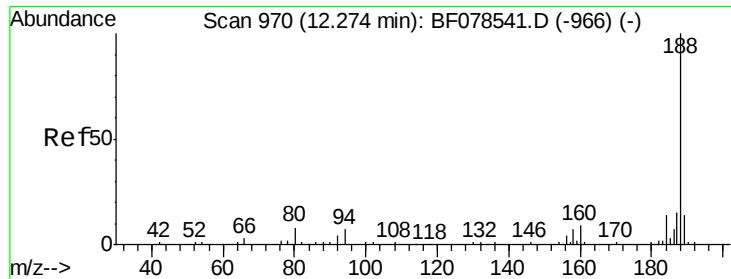
#57
Fluorene
Concen: 3.06 ng
RT: 11.10 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF078596.D
Acq: 17 Apr 2015 7:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.9	118.3
167	15.3	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

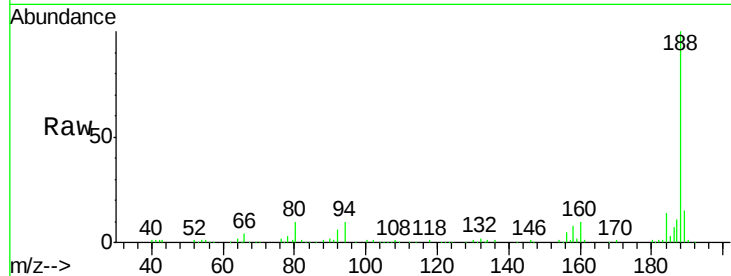




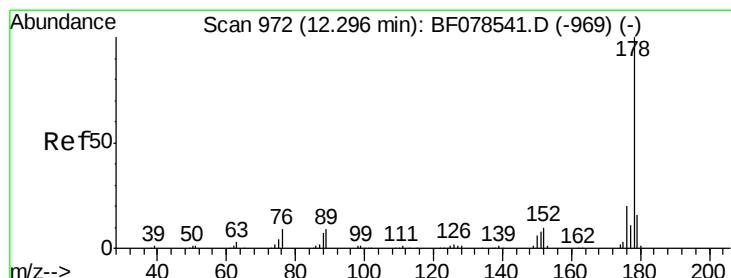
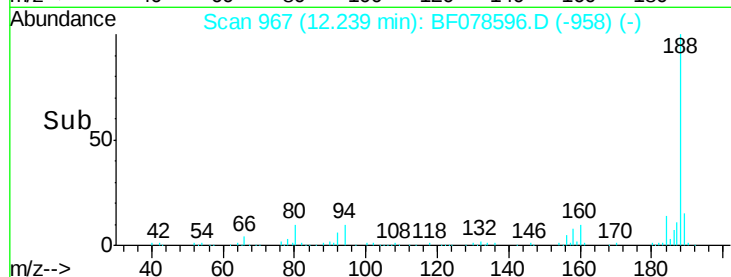
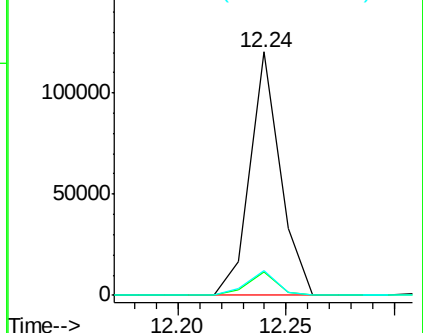
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF078596.D
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Instrument :
 BNA_F
 ClientSampleId :
 HS-SB01ADL

Tgt Ion:188 Resp: 116834
 Ion Ratio Lower Upper
 188 100
 94 9.9 9.0 13.4
 80 10.4 9.5 14.3

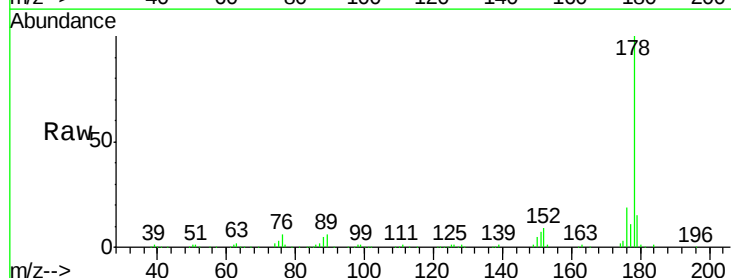


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

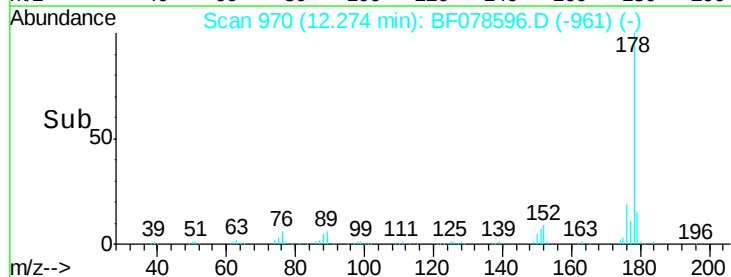
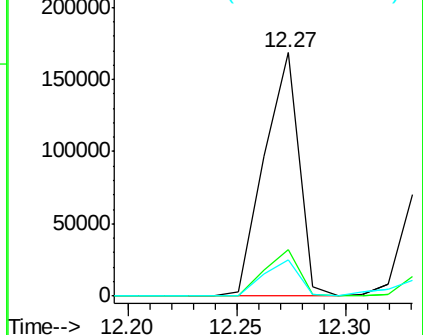


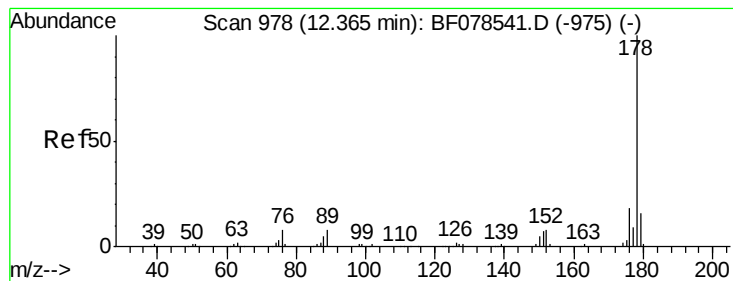
#70
 Phenanthrene
 Concen: 27.98 ng
 RT: 12.27 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BF078596.D
 Acq: 17 Apr 2015 7:33

Tgt Ion:178 Resp: 189092
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 15.1 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: 9.64 ng

RT: 12.33 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

Instrument :

BNA_F

ClientSampleId :

HS-SB01ADL

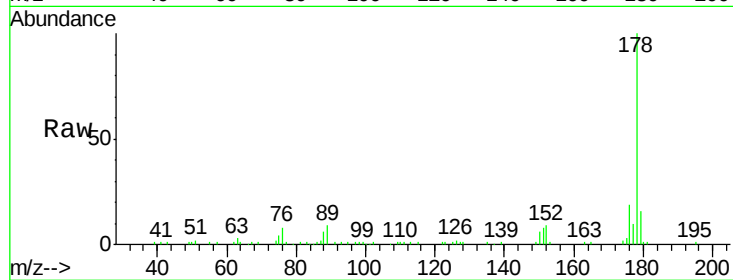
Tgt Ion:178 Resp: 64210

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

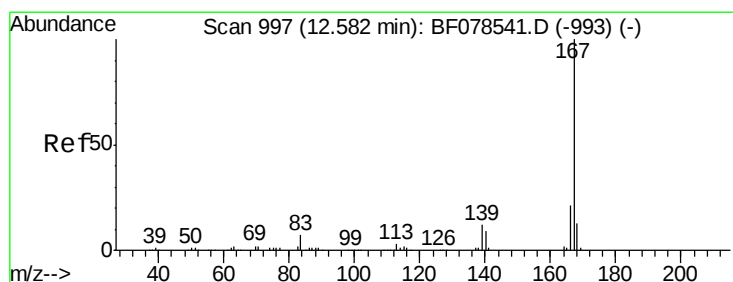
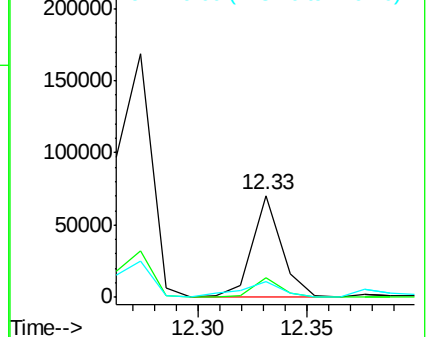
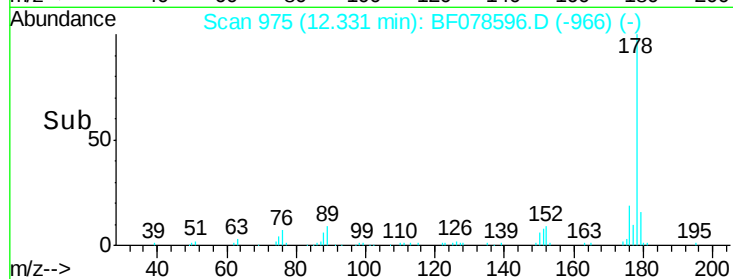
179 16.0 12.4 18.6



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



#72

Carbazole

Concen: 4.84 ng

RT: 12.55 min Scan# 994

Delta R.T. 0.00 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

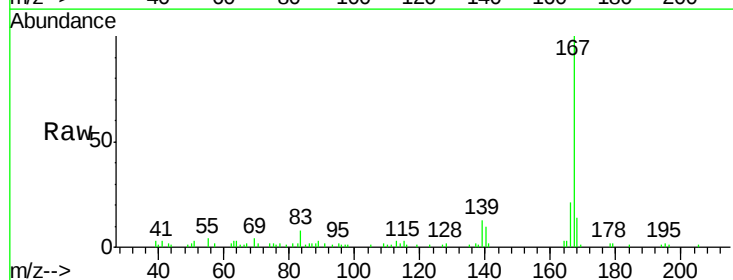
Tgt Ion:167 Resp: 30188

Ion Ratio Lower Upper

167 100

166 21.4 16.8 25.2

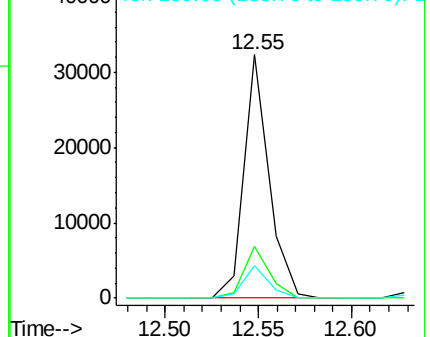
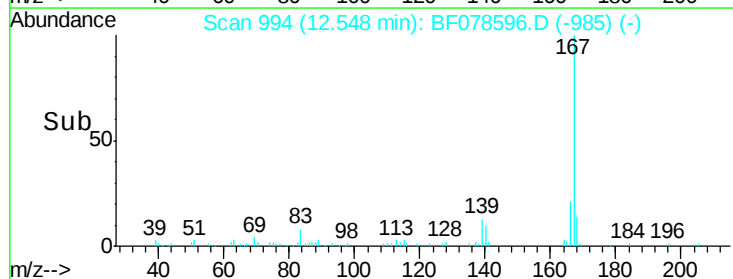
139 13.4 10.0 15.0

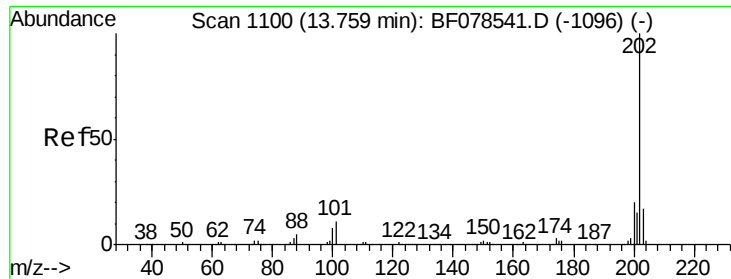


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 39.18 ng

RT: 13.73 min Scan# 1097

Delta R.T. 0.00 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

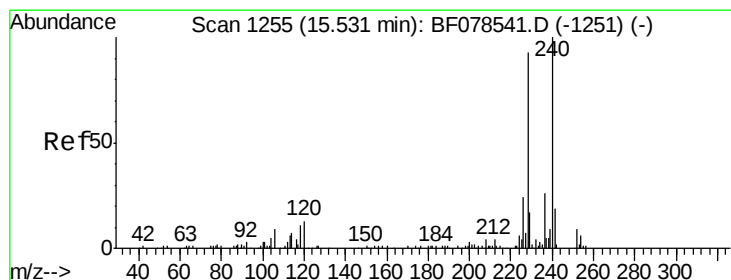
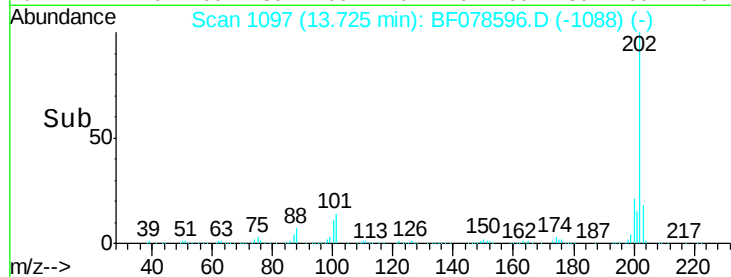
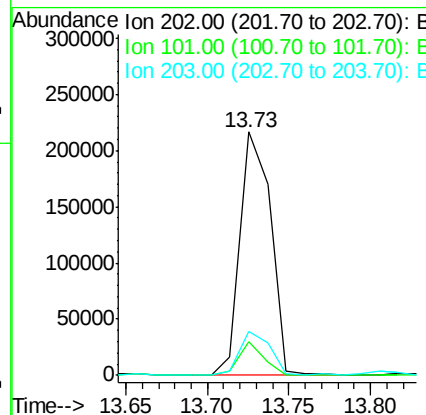
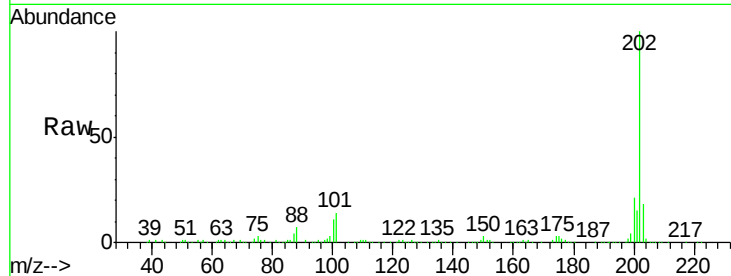
Instrument :

BNA_F

ClientSampleId :

HS-SB01ADL

Tgt Ion:	202	Resp:	279257
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	35.2
203	17.9	0.0	38.5



#75

Chrysene-d12

Concen: 20.00 ng

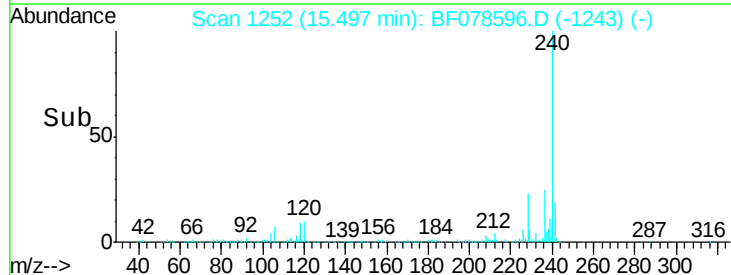
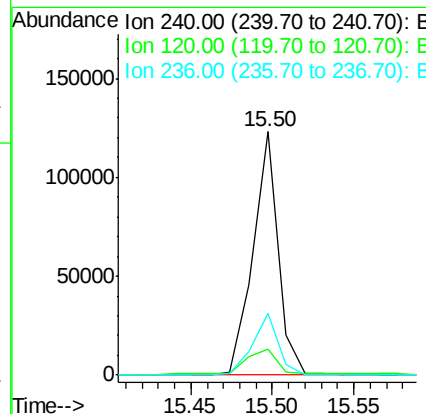
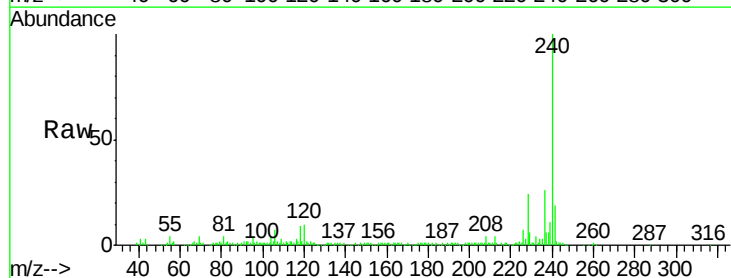
RT: 15.50 min Scan# 1252

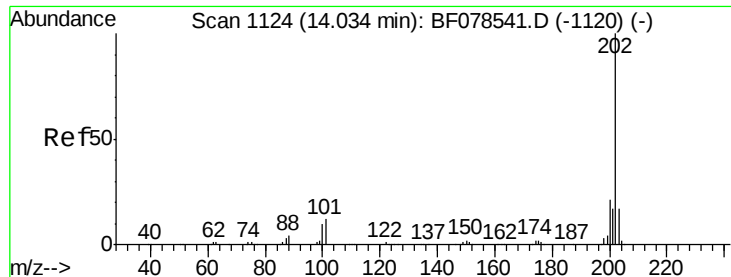
Delta R.T. 0.00 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

Tgt Ion:	240	Resp:	132353
Ion	Ratio	Lower	Upper
240	100		
120	10.5	7.1	10.7
236	25.6	21.4	32.2





#77

Pyrene

Concen: 31.13 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

Instrument :

BNA_F

ClientSampleId :

HS-SB01ADL

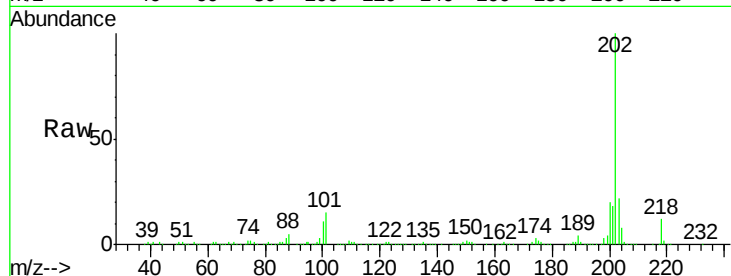
Tgt Ion:202 Resp: 258685

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

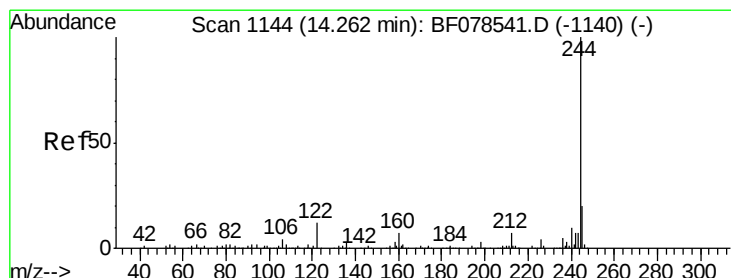
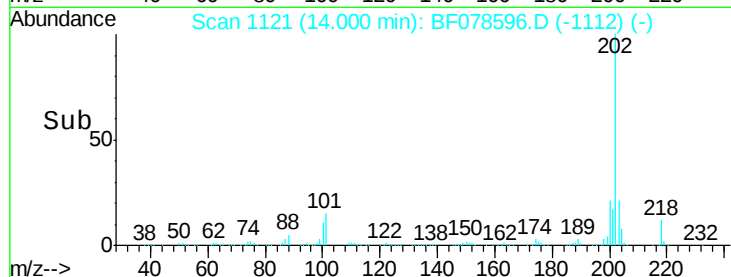
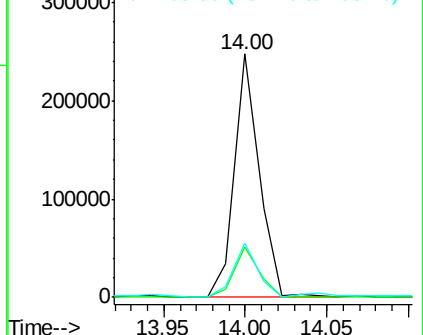
203 22.4 13.8 20.6#



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: 35.68 ng

RT: 14.23 min Scan# 1141

Delta R.T. 0.00 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

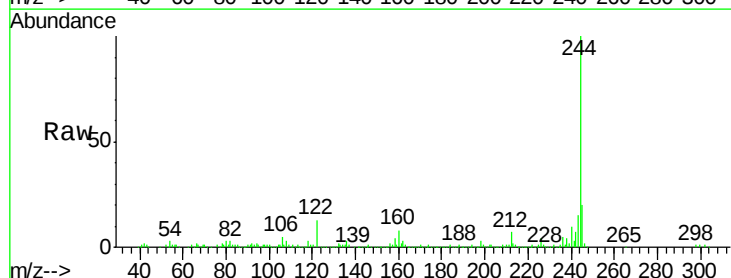
Tgt Ion:244 Resp: 208965

Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

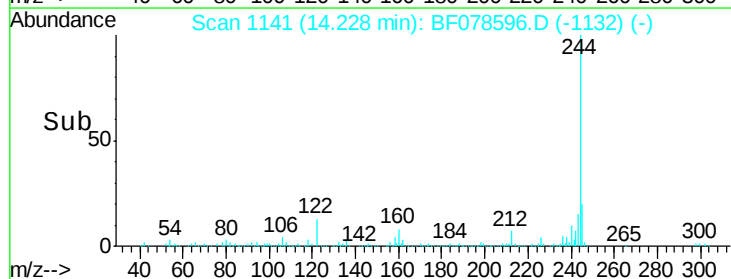
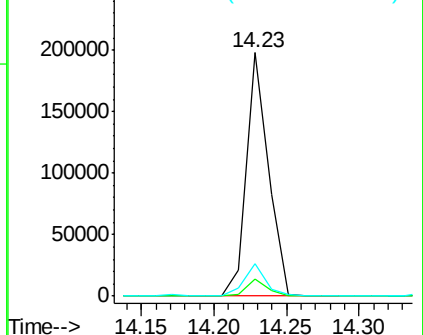
122 13.3 7.1 10.7#

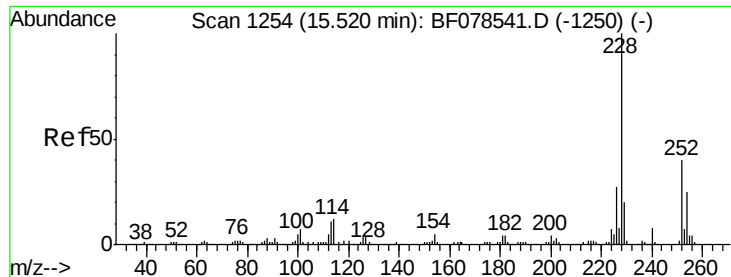


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 21.79 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.00 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

Instrument :

BNA_F

ClientSampleId :

HS-SB01ADL

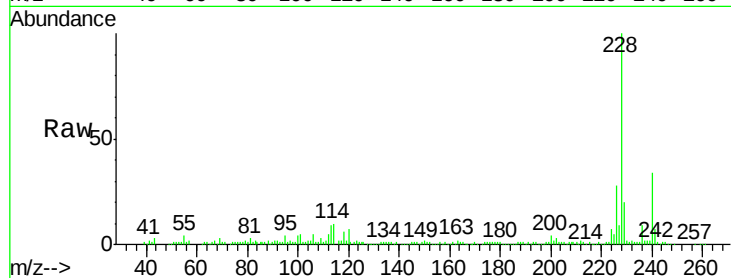
Tgt Ion:228 Resp: 171585

Ion Ratio Lower Upper

228 100

226 27.9 21.3 31.9

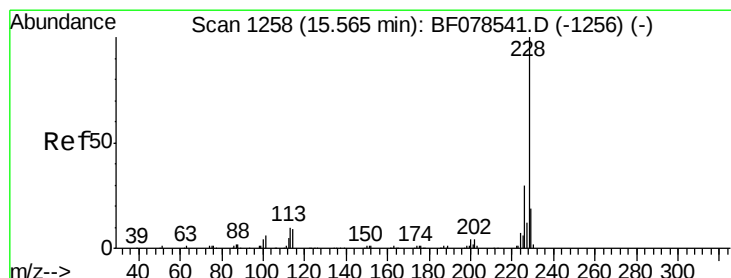
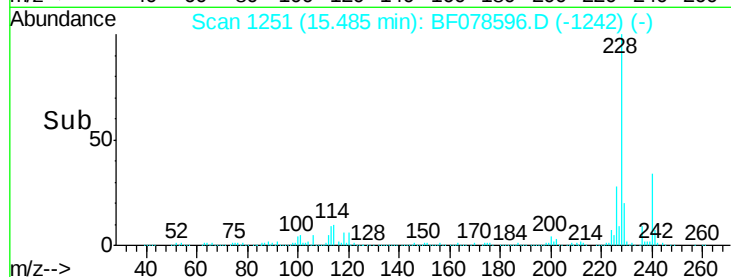
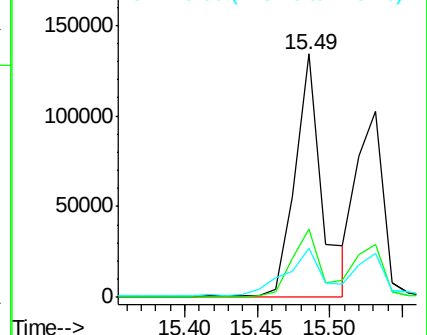
229 20.3 15.4 23.2



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: 17.29 ng

RT: 15.53 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

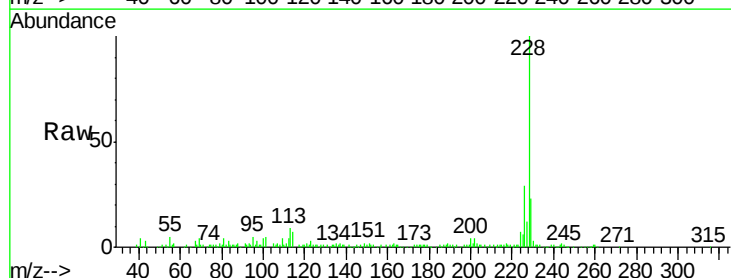
Tgt Ion:228 Resp: 127946

Ion Ratio Lower Upper

228 100

226 28.8 24.2 36.4

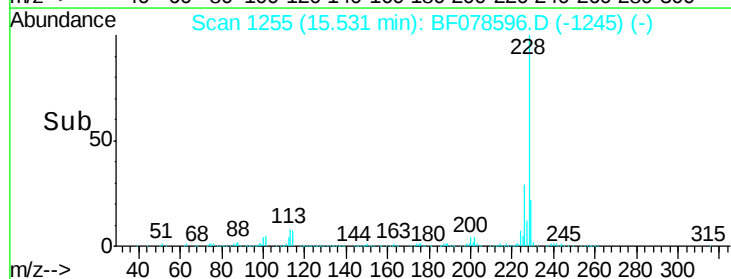
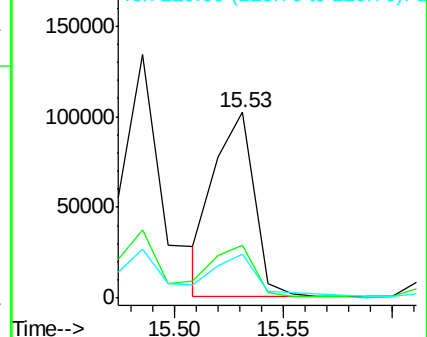
229 23.5 15.8 23.8

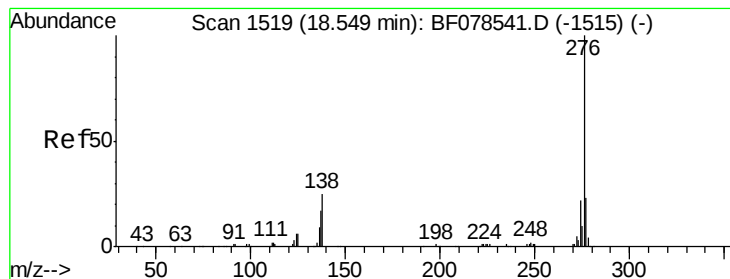


Abundance Ion 228.00 (227.70 to 228.70): E

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: 10.70 ng m

RT: 18.45 min Scan# 1510

Delta R.T. 0.16 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

Instrument :

BNA_F

ClientSampleId :

HS-SB01ADL

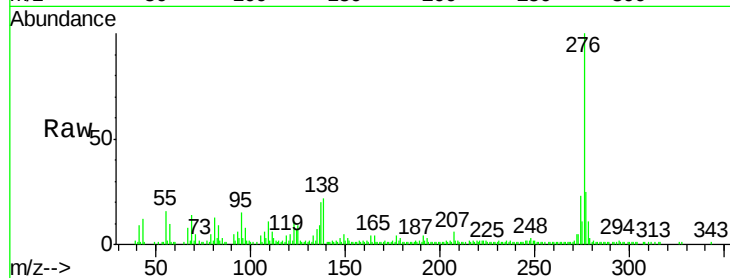
Tgt Ion:276 Resp: 89855

Ion Ratio Lower Upper

276 100

138 5.5 16.9 25.3#

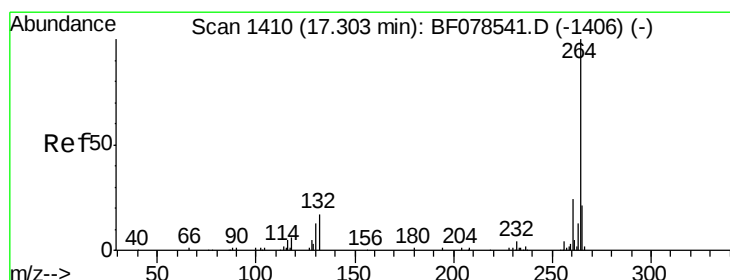
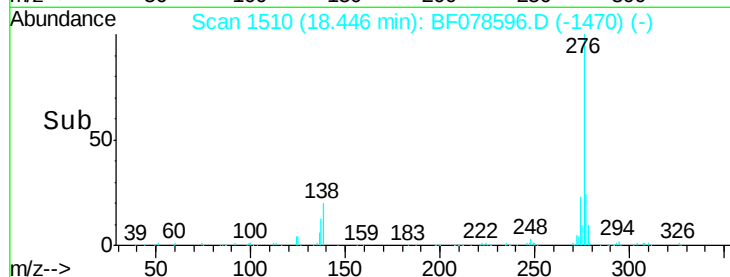
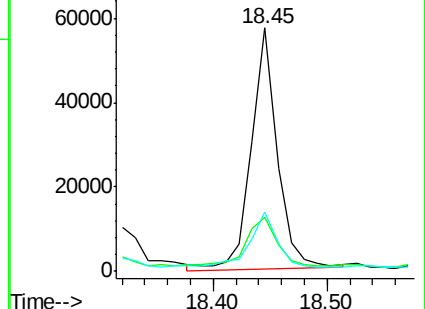
277 5.0 15.8 23.6#



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: 17.22 min Scan# 1403

Delta R.T. 0.09 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

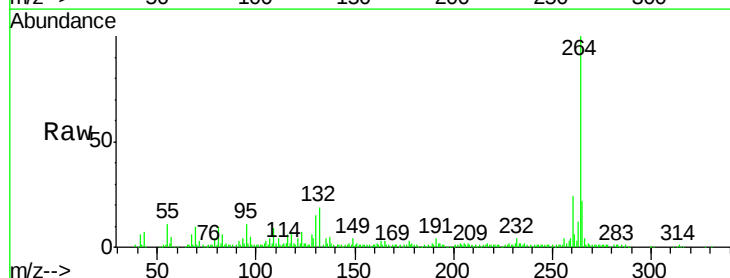
Tgt Ion:264 Resp: 132393

Ion Ratio Lower Upper

264 100

260 24.2 18.6 27.8

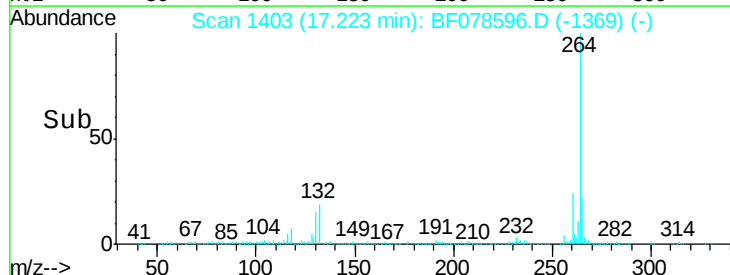
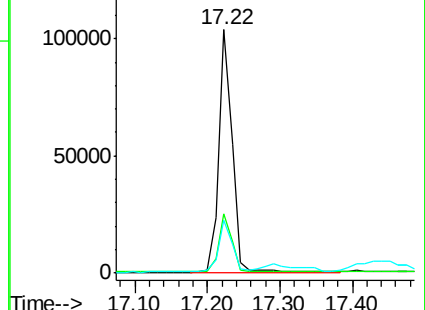
265 21.9 17.0 25.6

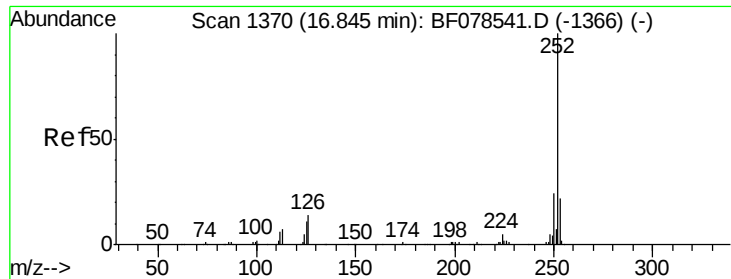


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 23.38 ng m

RT: 16.79 min Scan# 1365

Delta R.T. 0.07 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

Instrument :

BNA_F

ClientSampleId :

HS-SB01ADL

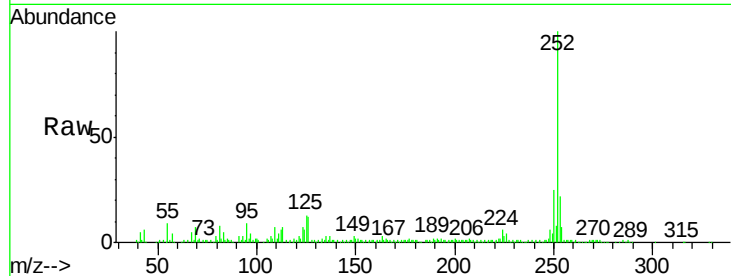
Tgt Ion:252 Resp: 191302

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

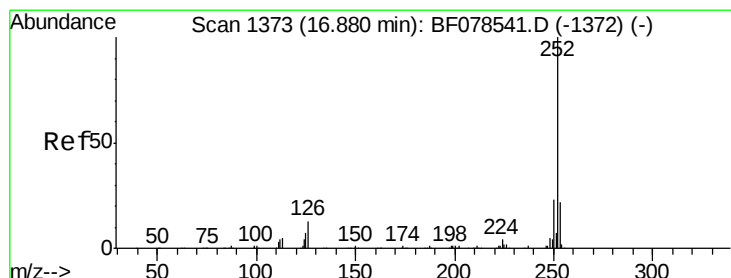
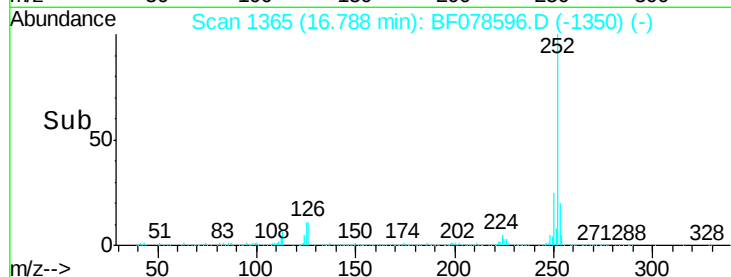
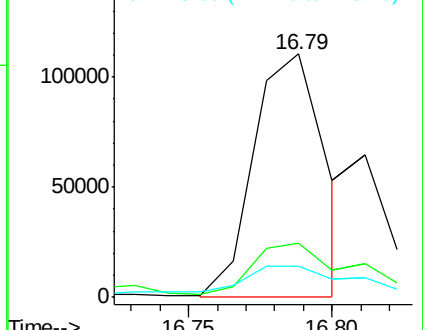
125 12.9 7.0 10.4#



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: 8.51 ng m

RT: 16.81 min Scan# 1367

Delta R.T. 0.06 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

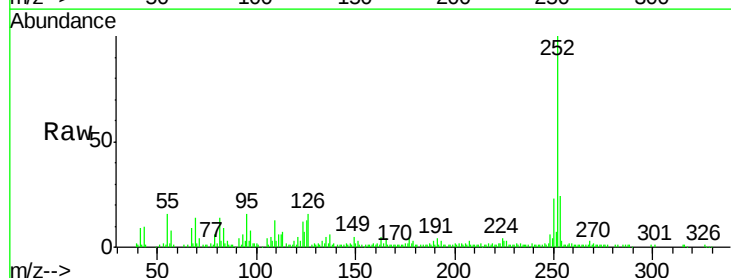
Tgt Ion:252 Resp: 61873

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

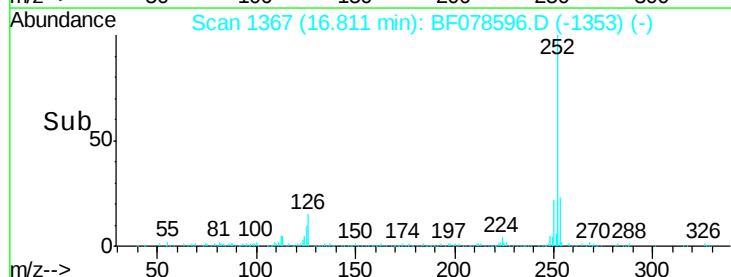
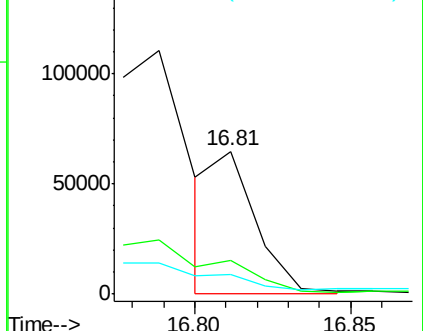
125 13.5 11.6 17.4

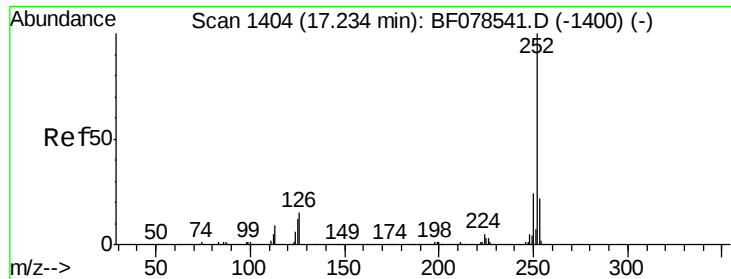


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 18.78 ng

RT: 17.15 min Scan# 1397

Delta R.T. 0.08 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

Instrument :

BNA_F

ClientSampleId :

HS-SB01ADL

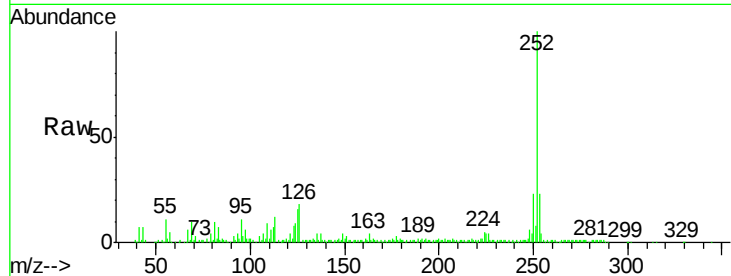
Tgt Ion:252 Resp: 134123

Ion Ratio Lower Upper

252 100

253 23.2 16.8 25.2

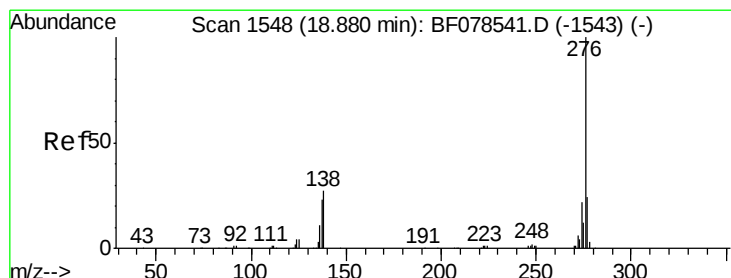
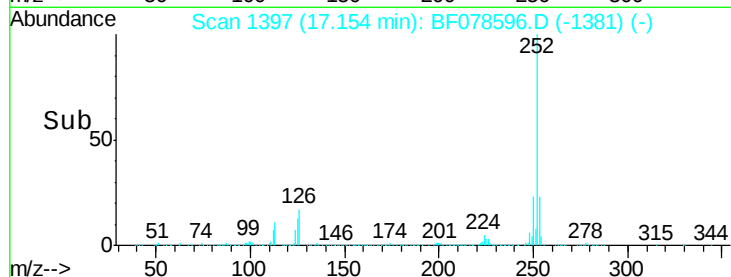
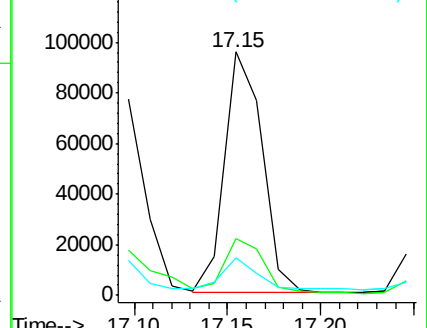
125 15.7 7.4 11.0#



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: 11.22 ng m

RT: 18.78 min Scan# 1539

Delta R.T. 0.17 min

Lab File: BF078596.D

Acq: 17 Apr 2015 7:33

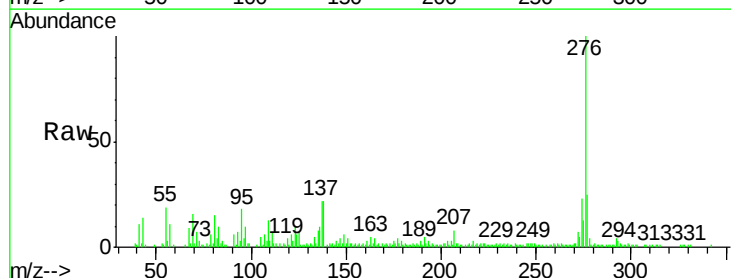
Tgt Ion:276 Resp: 80407

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.4

138 22.1 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

