

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078591.D
 Acq On : 17 Apr 2015 5:09
 Operator : TP/IZ
 Sample : G1828-04DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB06BDL

Quant Time: Apr 17 05:37:06 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

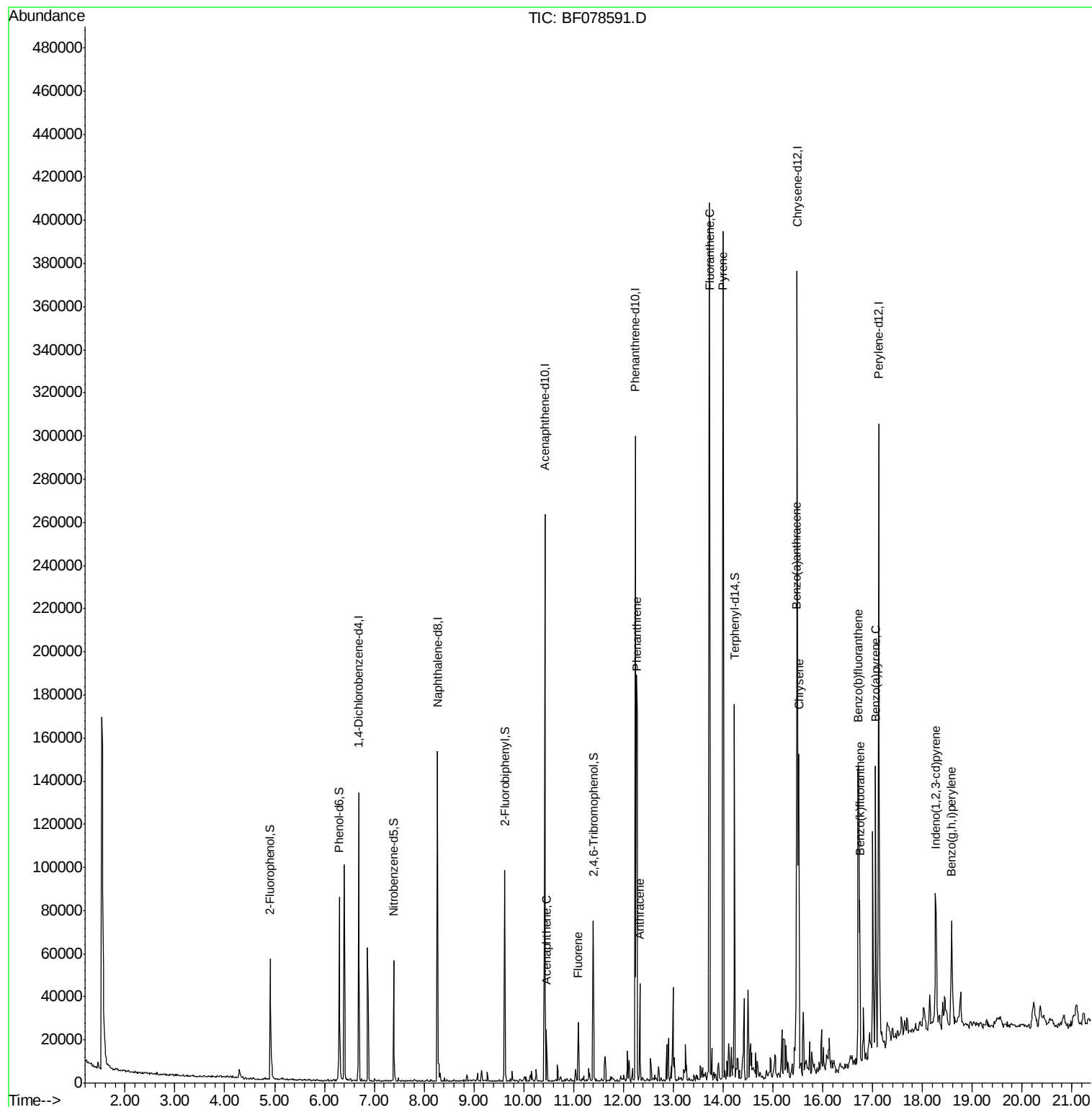
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	24465	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	100094	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	53912	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	113242	20.00	ng	0.00
75) Chrysene-d12	15.49	240	128123	20.00	ng	-0.01
86) Perylene-d12	17.12	264	130704	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	25831	17.41	ng	0.00
7) Phenol-d6	6.30	99	37326	20.07	ng	0.00
23) Nitrobenzene-d5	7.39	82	20169	12.21	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	8683	19.42	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	48293	12.80	ng	0.00
78) Terphenyl-d14	14.23	244	62705	11.06	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	10.46	154	6955	2.20	ng	98
57) Fluorene	11.10	166	8406	2.15	ng	99
70) Phenanthrene	12.27	178	111618	17.04	ng	99
71) Anthracene	12.33	178	21334	3.31	ng	97
74) Fluoranthene	13.73	202	187722	27.17	ng	96
77) Pyrene	14.00	202	154843	19.25	ng	# 95
80) Benzo(a)anthracene	15.47	228	70410	9.24	ng	97
82) Chrysene	15.52	228	65839	9.19	ng	97
85) Indeno(1,2,3-cd)pyrene	18.26	276	42379	5.21	ng	# 78
87) Benzo(b)fluoranthene	16.72	252	92580m	11.46	ng	
88) Benzo(k)fluoranthene	16.74	252	28756m	4.01	ng	
89) Benzo(a)pyrene	17.06	252	58038	8.23	ng	# 96
91) Benzo(g,h,i)perylene	18.58	276	36569	5.17	ng	95

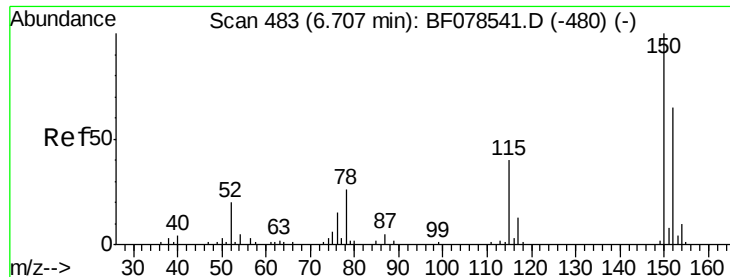
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

Instrument :

BNA_F

ClientSampleId :

HS-SB06BDL

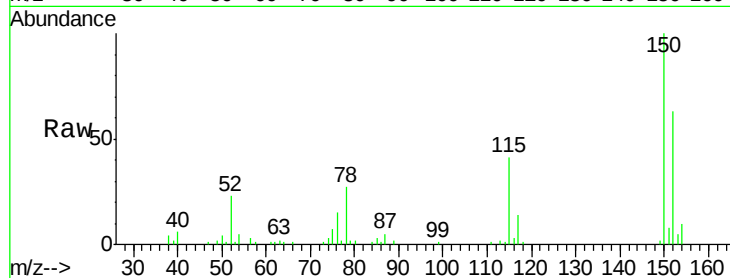
Tgt Ion:152 Resp: 24465

Ion Ratio Lower Upper

152 100

150 159.3 125.9 188.9

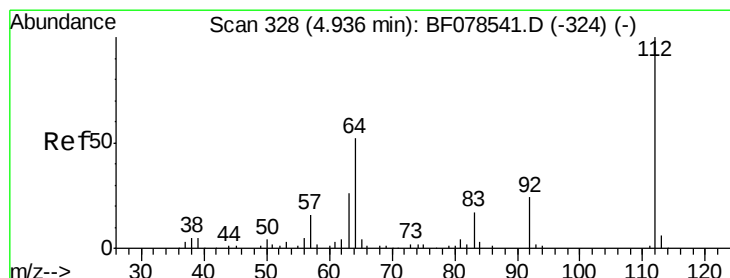
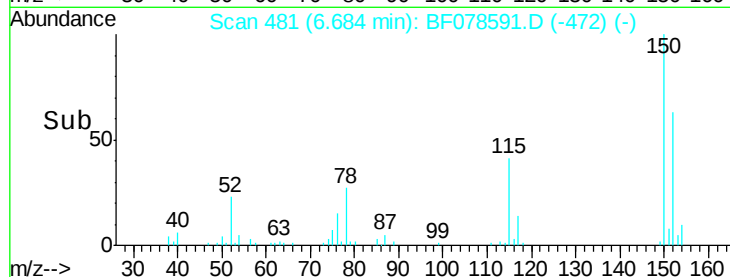
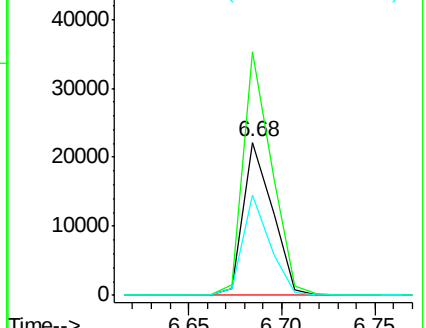
115 65.3 52.7 79.1



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: 17.41 ng

RT: 4.91 min Scan# 326

Delta R.T. -0.00 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

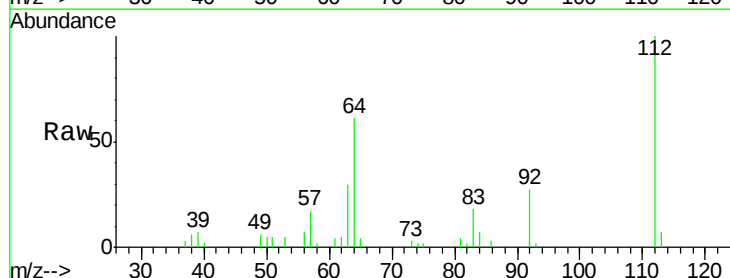
Tgt Ion:112 Resp: 25831

Ion Ratio Lower Upper

112 100

64 60.7 39.9 59.9#

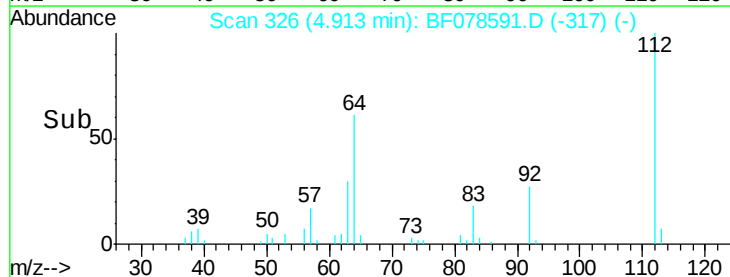
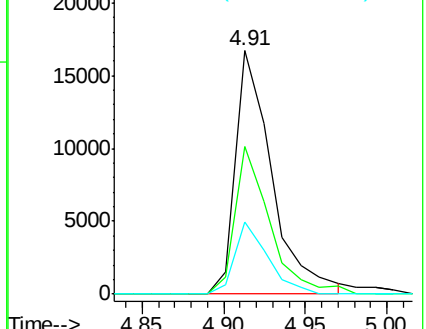
63 29.8 20.2 30.4

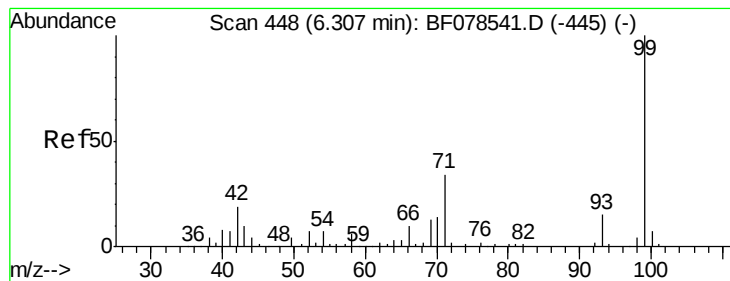


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.07 ng

RT: 6.30 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

Instrument :

BNA_F

ClientSampleId :

HS-SB06BDL

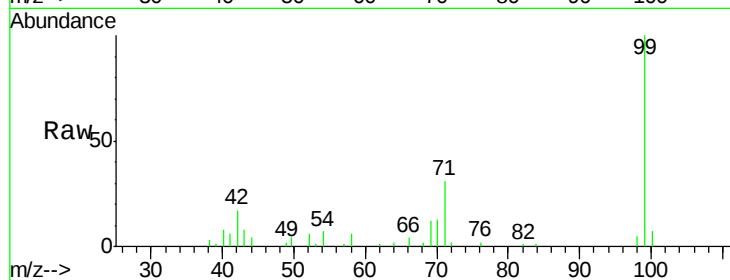
Tgt Ion: 99 Resp: 37326

Ion Ratio Lower Upper

99 100

42 16.8 14.8 22.2

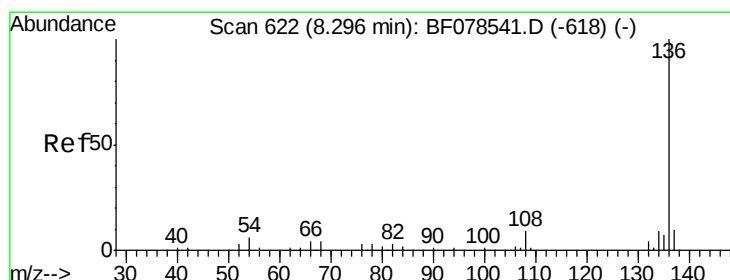
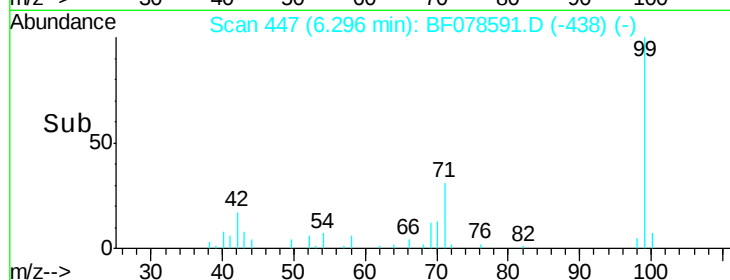
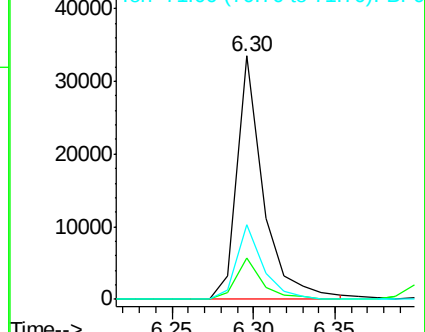
71 30.9 26.6 39.8



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: BF078591.D

Acq: 17 Apr 2015 5:09

Tgt Ion: 136 Resp: 100094

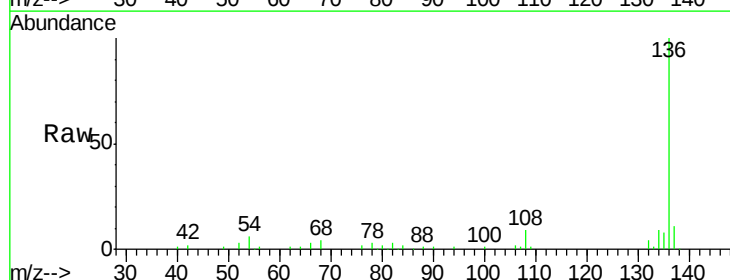
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 5.8 7.0 10.6#

68 4.4 5.4 8.2#

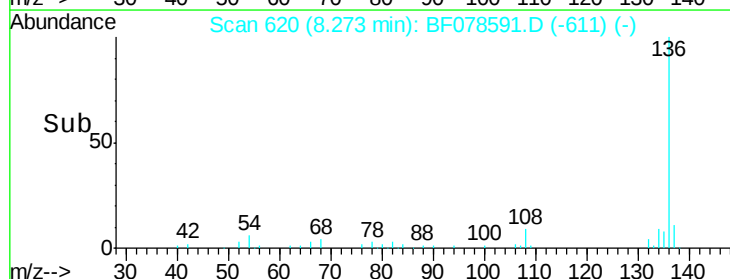
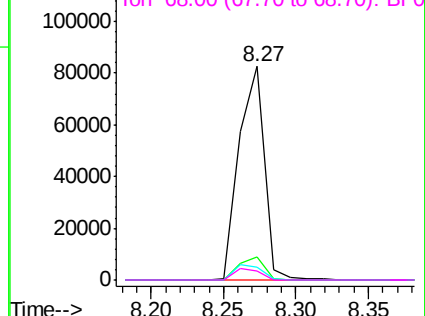


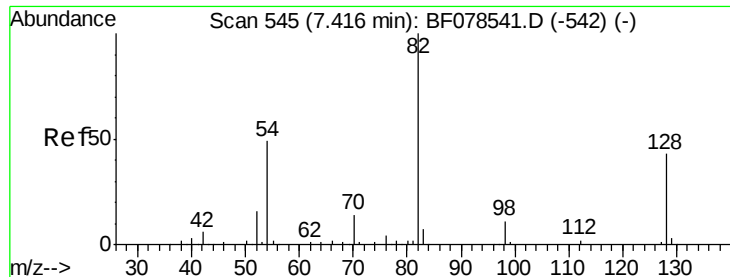
Abundance Ion 136.00 (135.70 to 136.70): E

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

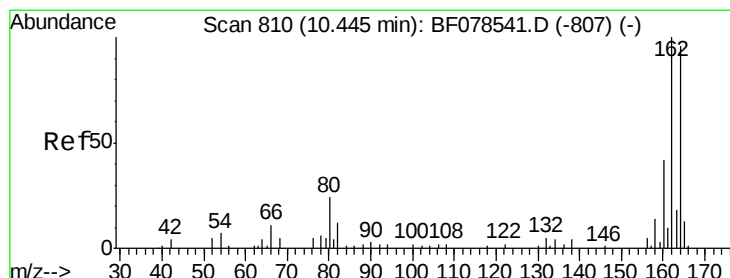
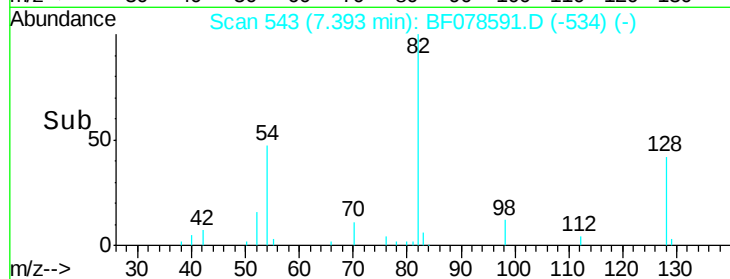
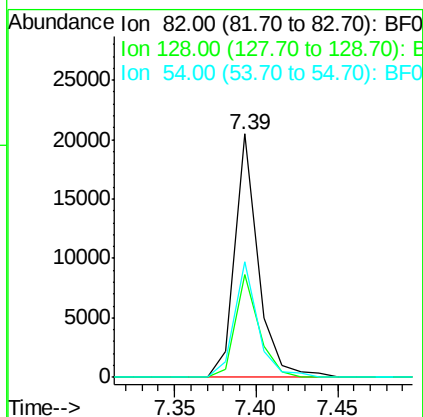
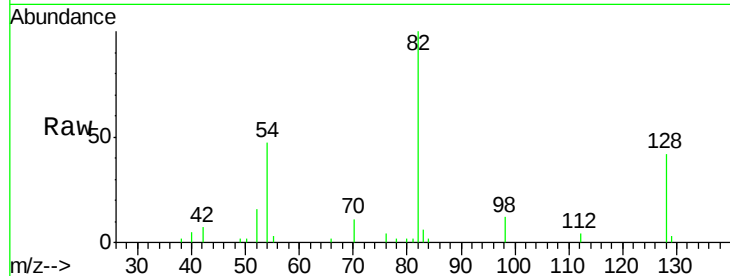




#23
 Nitrobenzene-d5
 Concen: 12.21 ng
 RT: 7.39 min Scan# 543
 Delta R.T. -0.00 min
 Lab File: BF078591.D
 Acq: 17 Apr 2015 5:09

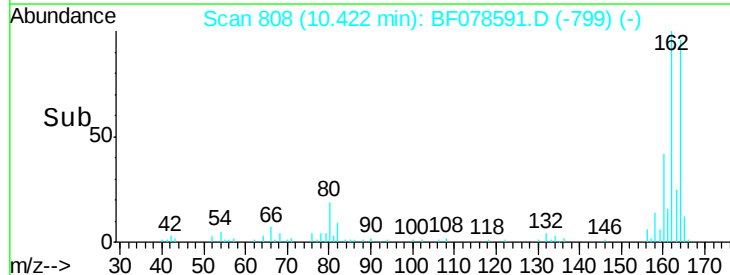
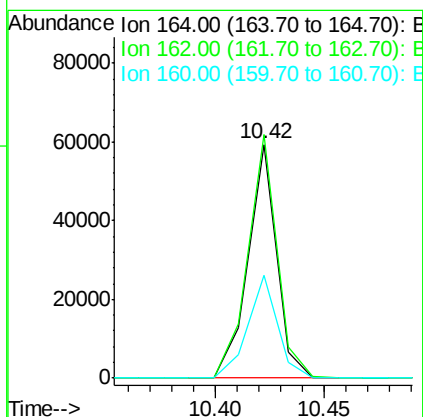
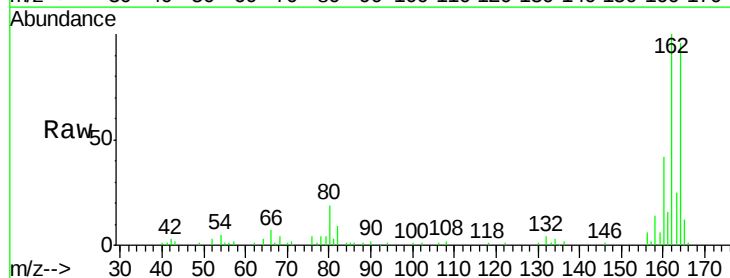
Instrument :
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 HS-SB06BDL

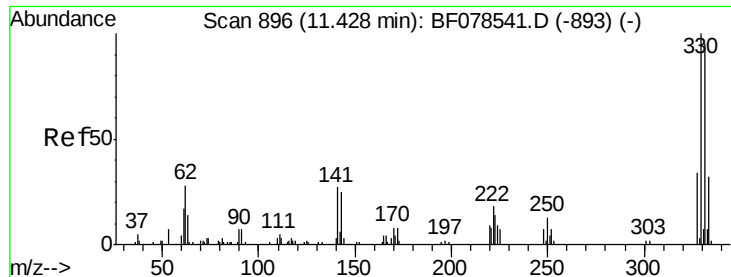
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.1	31.8	47.8
54	47.5	41.5	62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF078591.D
 Acq: 17 Apr 2015 5:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.2	123.2
160	44.3	34.7	52.1

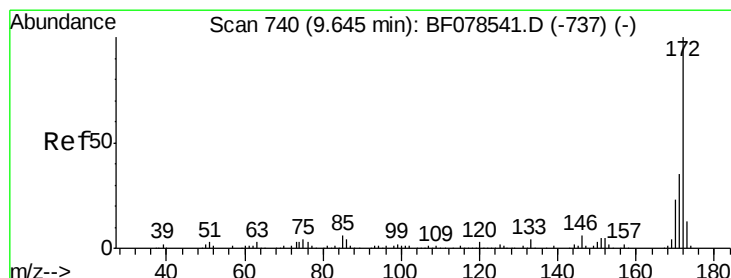
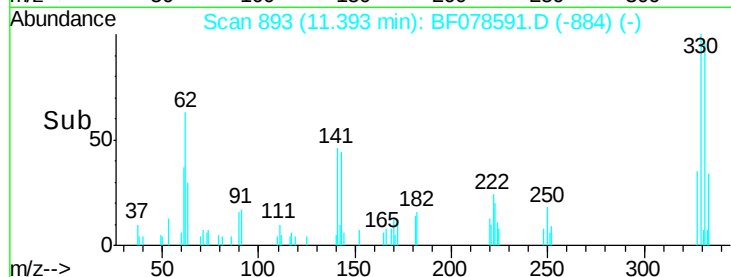
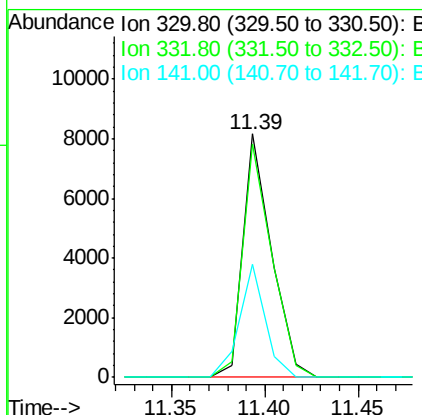
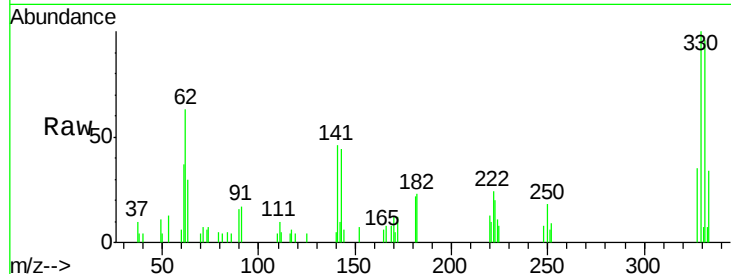




#41
 2,4,6-Tribromophenol
 Concen: 19.42 ng
 RT: 11.39 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: BF078591.D
 Acq: 17 Apr 2015 5:09

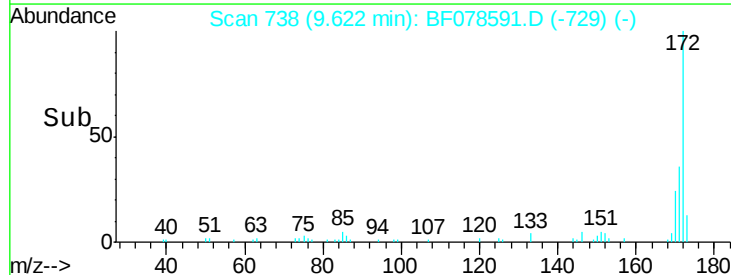
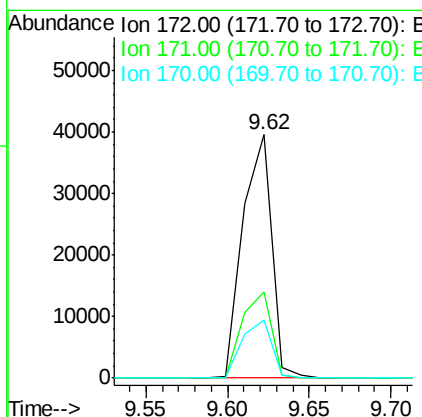
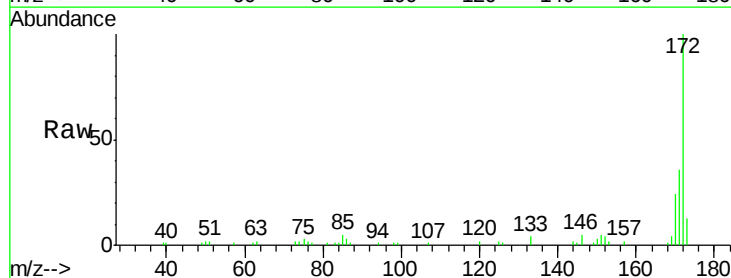
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB06BDL

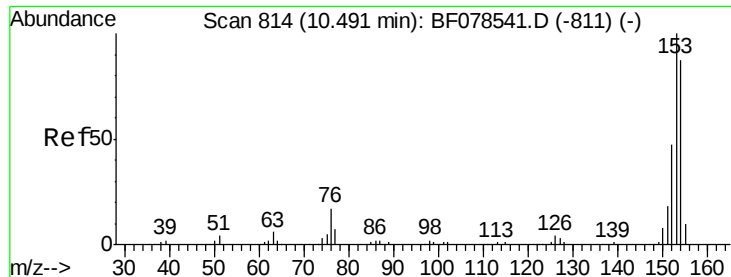
Tgt Ion:330 Resp: 8683
 Ion Ratio Lower Upper
 330 100
 332 98.2 78.6 117.8
 141 42.4 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 12.80 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF078591.D
 Acq: 17 Apr 2015 5:09

Tgt Ion:172 Resp: 48293
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.8 18.5 27.7





#51

Acenaphthene

Concen: 2.20 ng

RT: 10.46 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

Instrument :

BNA_F

ClientSampleId :

HS-SB06BDL

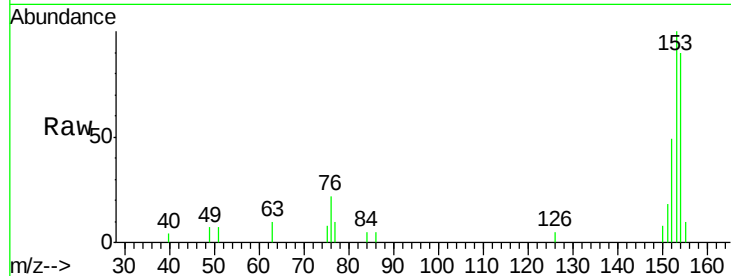
Tgt Ion:154 Resp: 6955

Ion Ratio Lower Upper

154 100

153 110.8 91.4 137.2

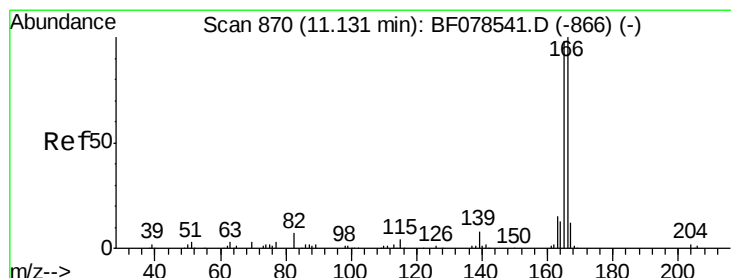
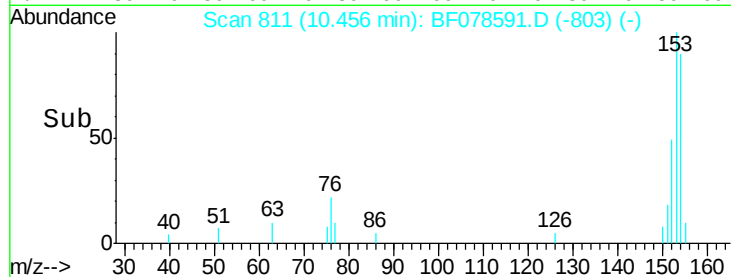
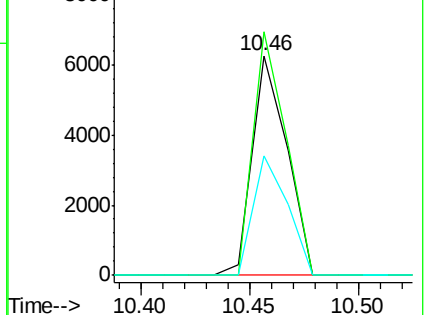
152 54.2 43.0 64.6



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: 2.15 ng

RT: 11.10 min Scan# 867

Delta R.T. -0.00 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

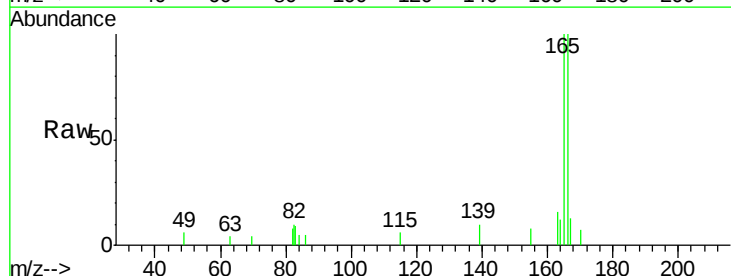
Tgt Ion:166 Resp: 8406

Ion Ratio Lower Upper

166 100

165 99.7 78.9 118.3

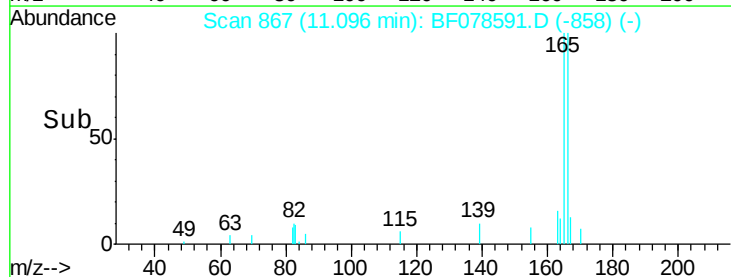
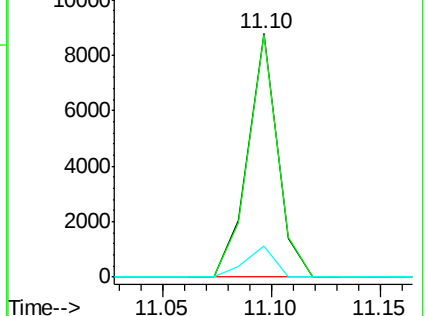
167 12.5 10.7 16.1

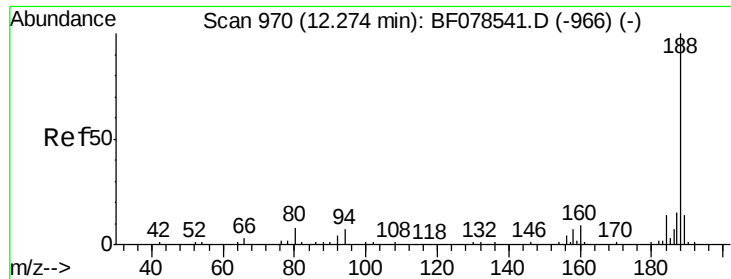


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

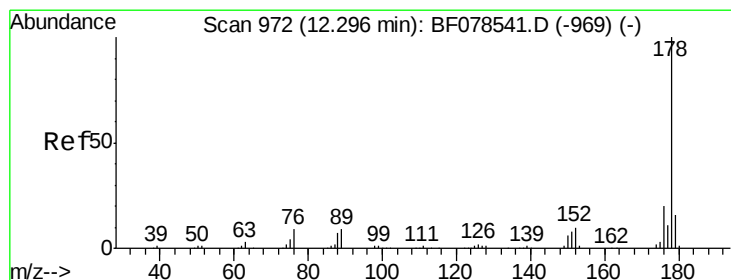
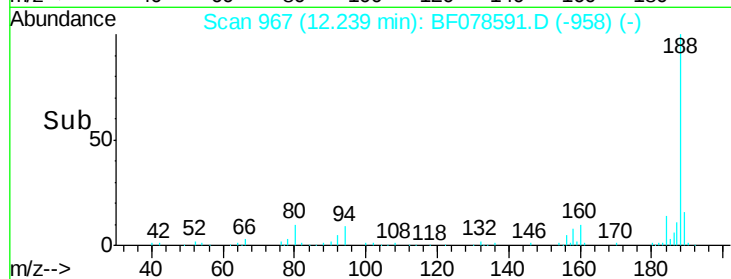
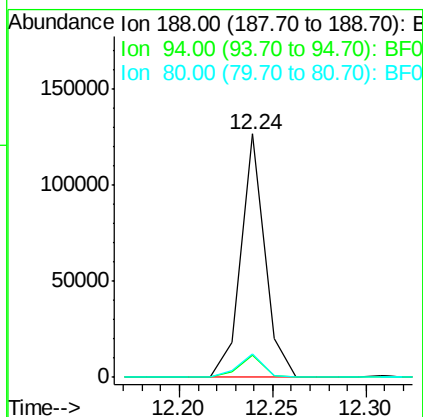
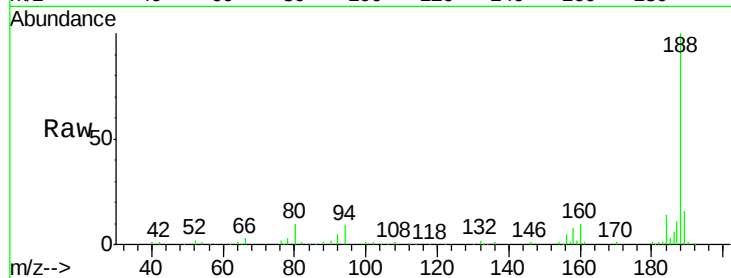




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. -0.00 min
Lab File: BF078591.D
Acq: 17 Apr 2015 5:09

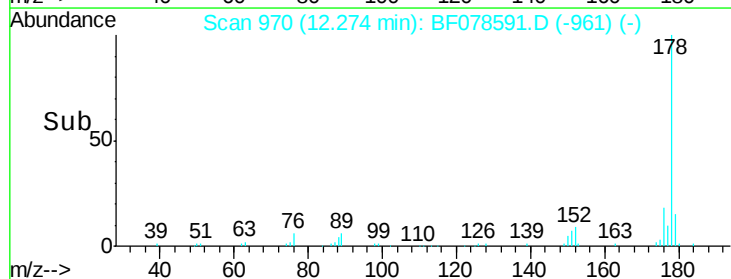
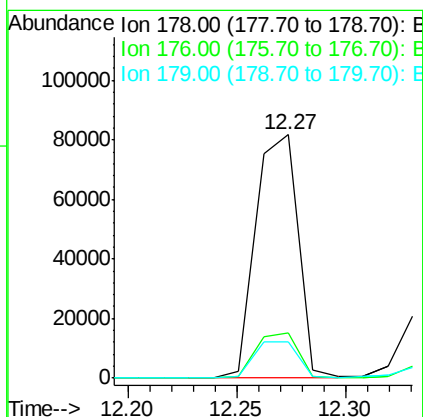
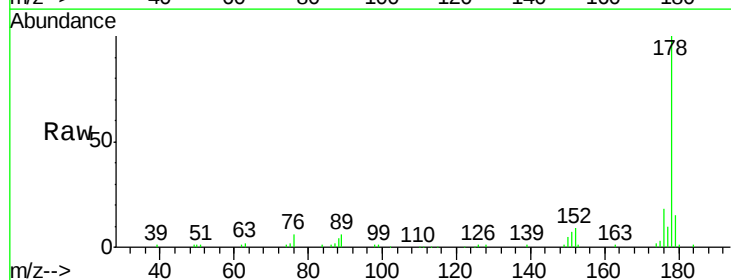
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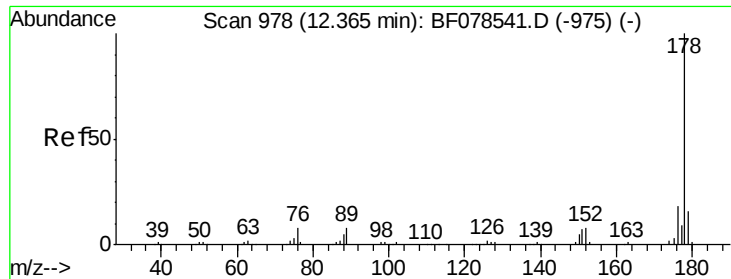
Tgt Ion:188 Resp: 113242
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.4
80 9.7 9.5 14.3



#70
Phenanthrene
Concen: 17.04 ng
RT: 12.27 min Scan# 970
Delta R.T. -0.00 min
Lab File: BF078591.D
Acq: 17 Apr 2015 5:09

Tgt Ion:178 Resp: 111618
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 15.1 12.2 18.2

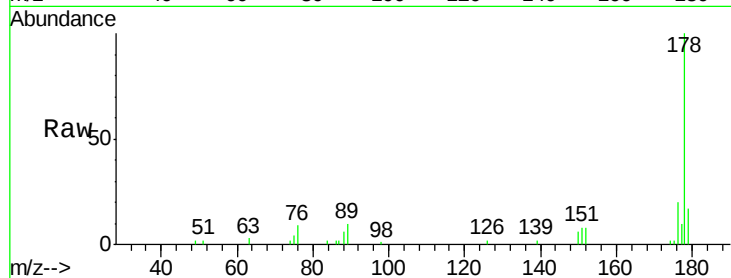




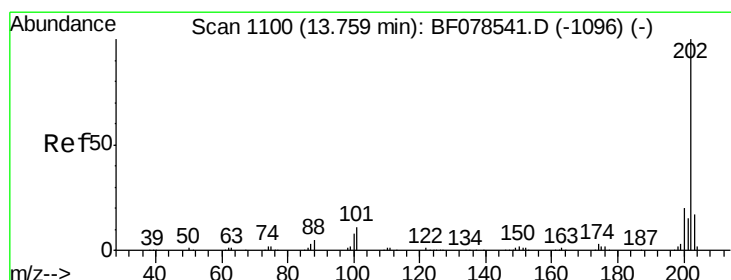
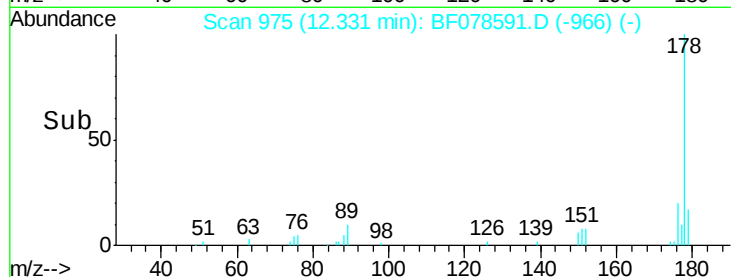
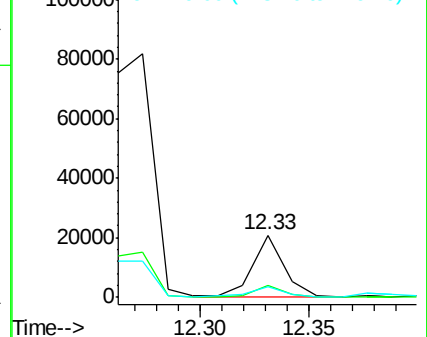
#71
 Anthracene
 Concen: 3.31 ng
 RT: 12.33 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: BF078591.D
 Acq: 17 Apr 2015 5:09

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB06BDL

Tgt Ion:178 Resp: 21334
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.8 22.2
 179 17.4 12.4 18.6

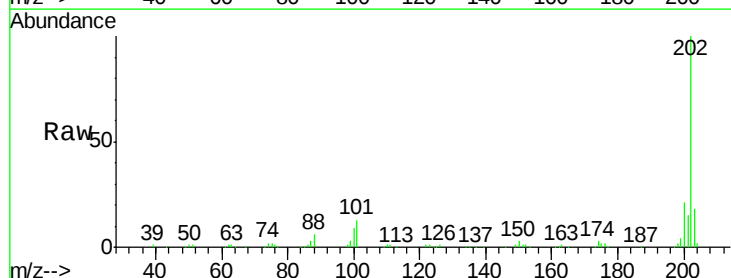


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

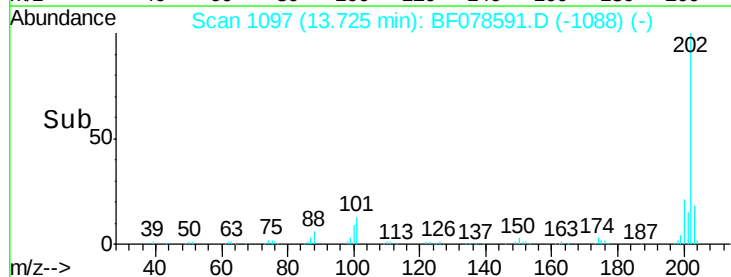
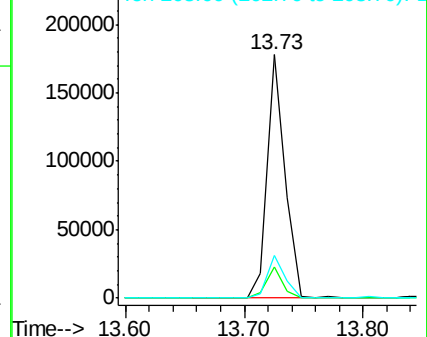


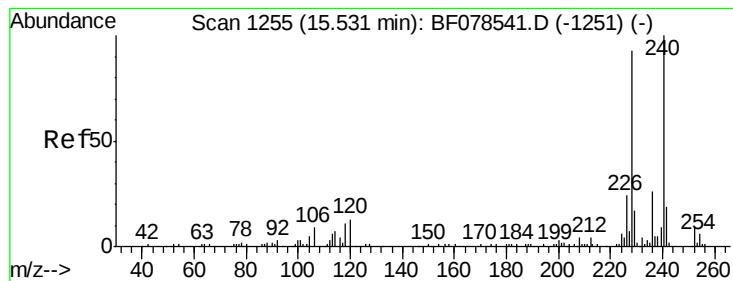
#74
 Fluoranthene
 Concen: 27.17 ng
 RT: 13.73 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: BF078591.D
 Acq: 17 Apr 2015 5:09

Tgt Ion:202 Resp: 187722
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 35.2
 203 17.5 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: BF078591.D

Acq: 17 Apr 2015 5:09

Instrument :

BNA_F

ClientSampleId :

HS-SB06BDL

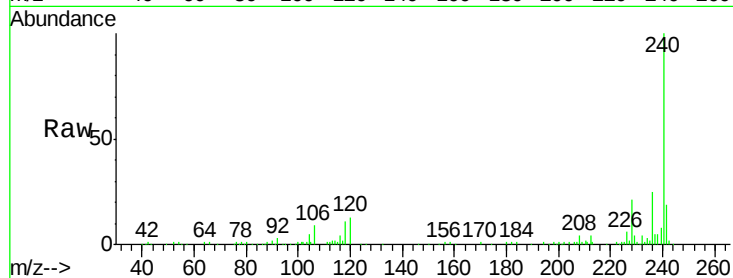
Tgt Ion:240 Resp: 128123

Ion Ratio Lower Upper

240 100

120 12.8 7.1 10.7#

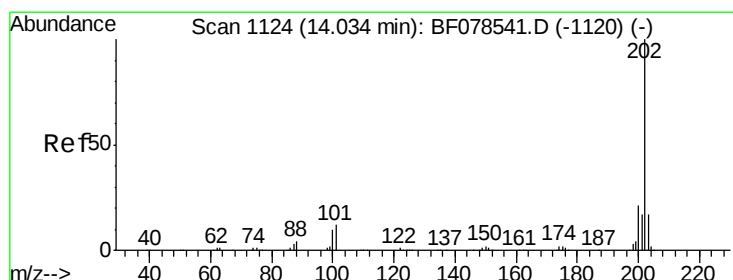
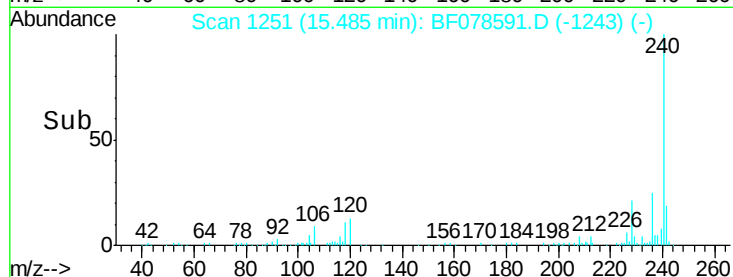
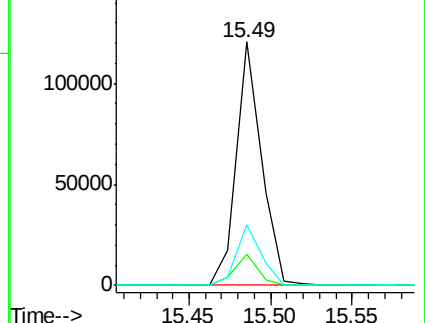
236 24.8 21.4 32.2



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: 19.25 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

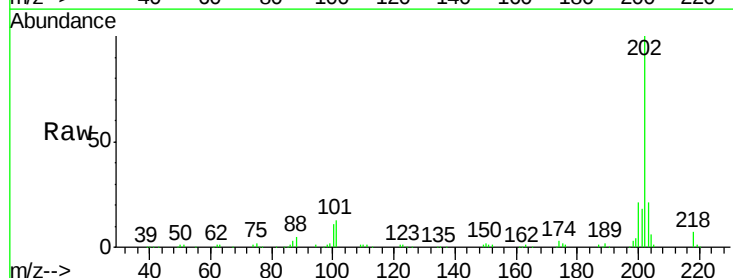
Tgt Ion:202 Resp: 154843

Ion Ratio Lower Upper

202 100

200 21.1 16.3 24.5

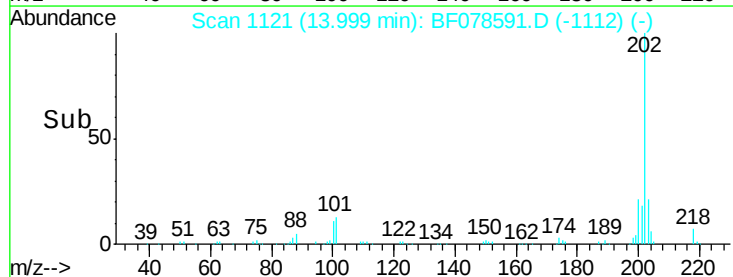
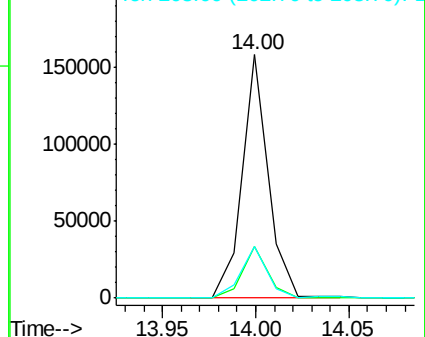
203 21.2 13.8 20.6#

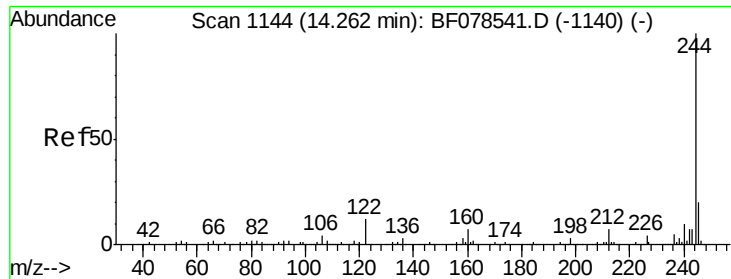


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

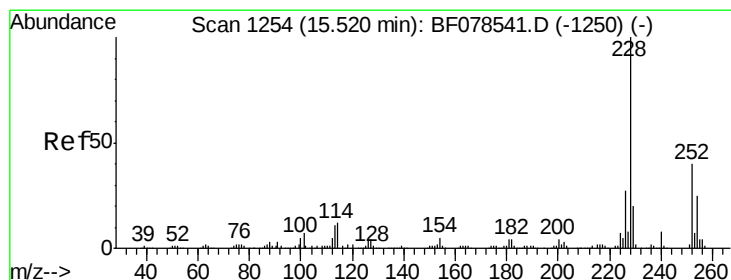
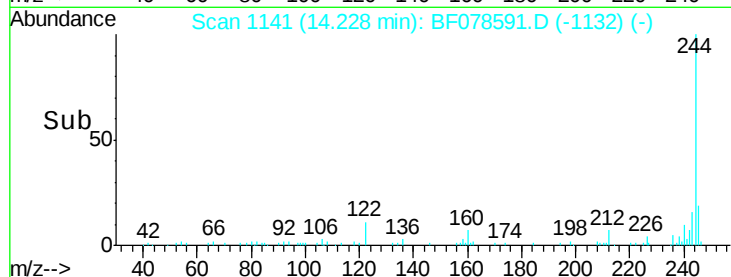
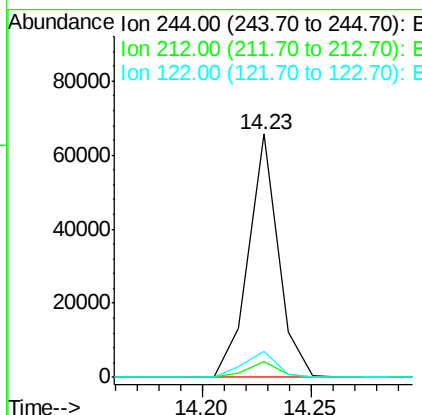
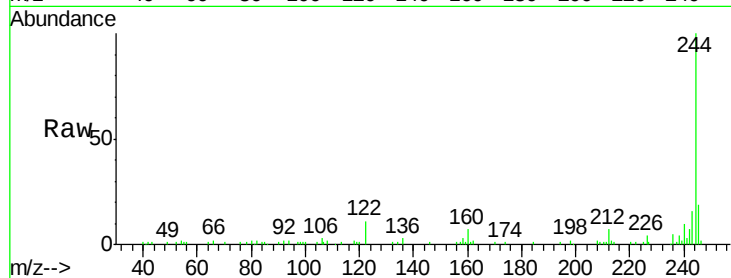




#78
 Terphenyl-d14
 Concen: 11.06 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: BF078591.D
 Acq: 17 Apr 2015 5:09

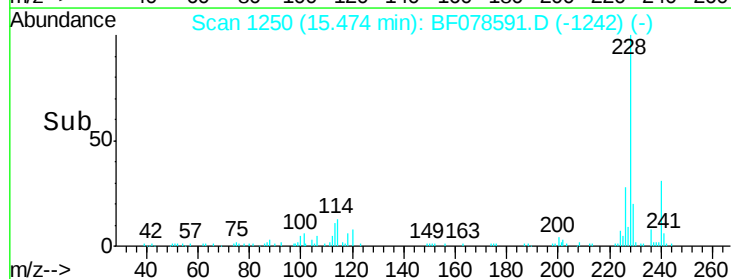
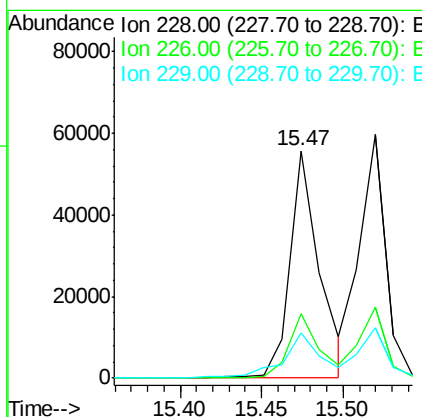
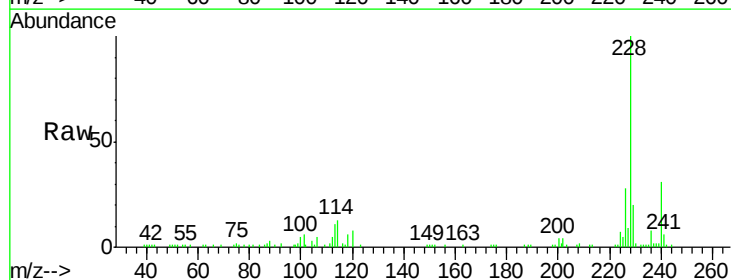
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB06BDL

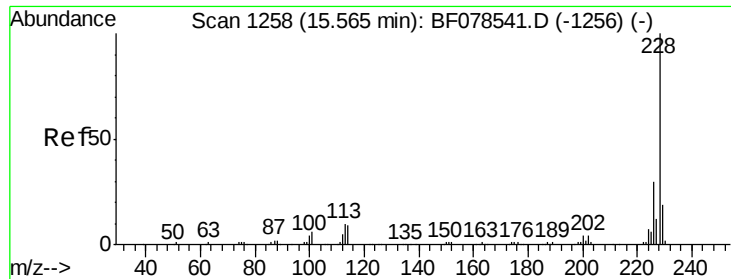
Tgt Ion:244 Resp: 62705
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.0 7.4
 122 10.7 7.1 10.7



#80
 Benzo(a)anthracene
 Concen: 9.24 ng
 RT: 15.47 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BF078591.D
 Acq: 17 Apr 2015 5:09

Tgt Ion:228 Resp: 70410
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.3 31.9
 229 20.1 15.4 23.2





#82

Chrysene

Concen: 9.19 ng

RT: 15.52 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

Instrument :

BNA_F

ClientSampleId :

HS-SB06BDL

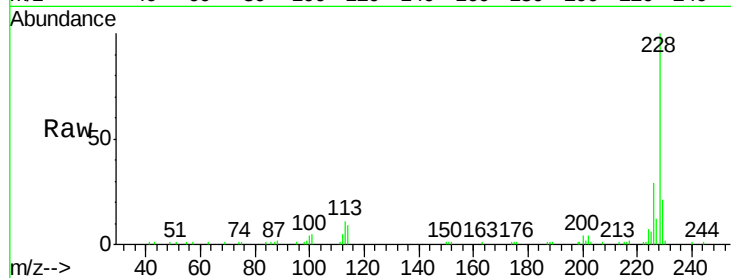
Tgt Ion:228 Resp: 65839

Ion Ratio Lower Upper

228 100

226 28.9 24.2 36.4

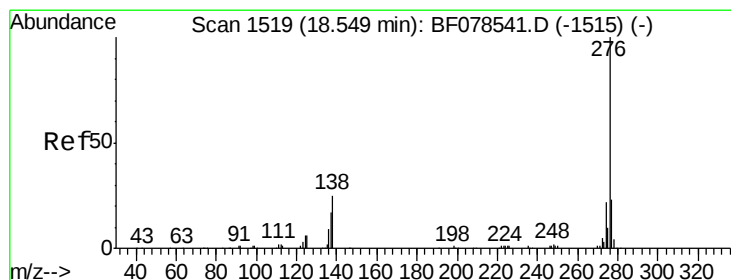
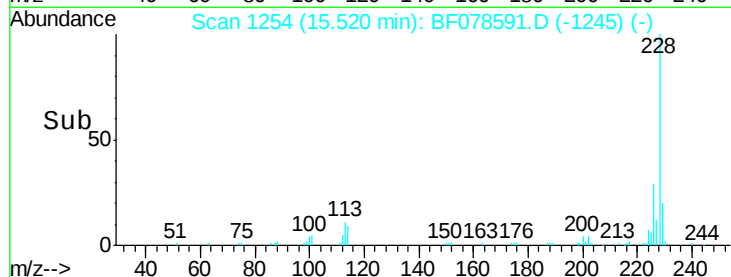
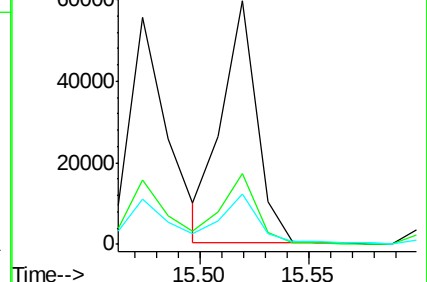
229 20.9 15.8 23.8



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: 5.21 ng

RT: 18.26 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

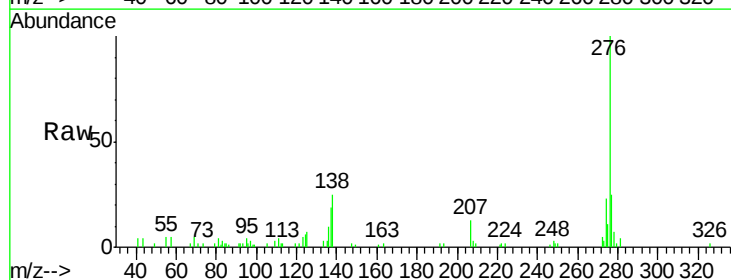
Tgt Ion:276 Resp: 42379

Ion Ratio Lower Upper

276 100

138 29.1 16.9 25.3#

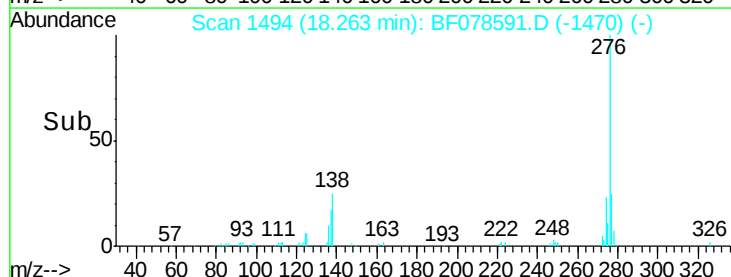
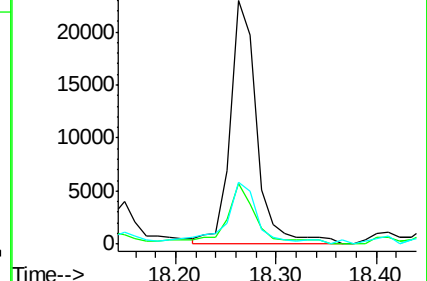
277 31.7 15.8 23.6#

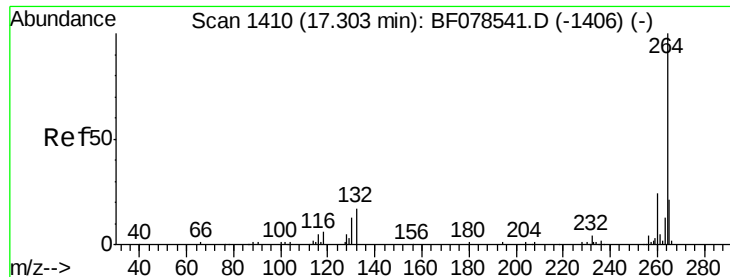


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

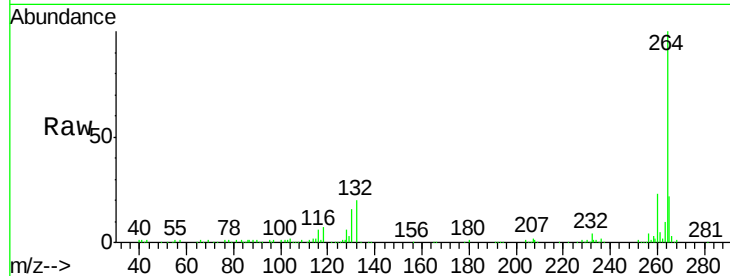




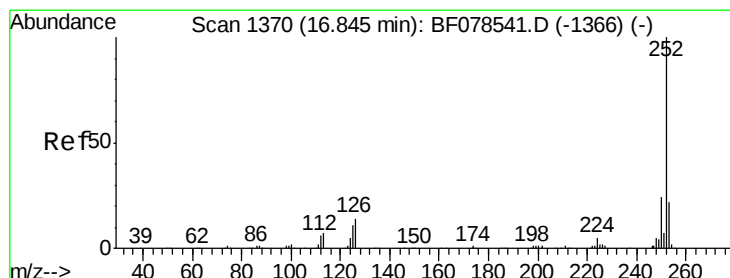
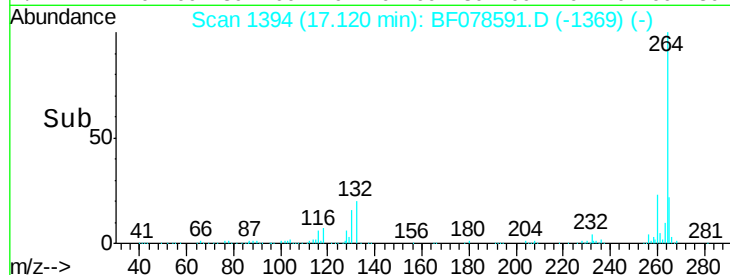
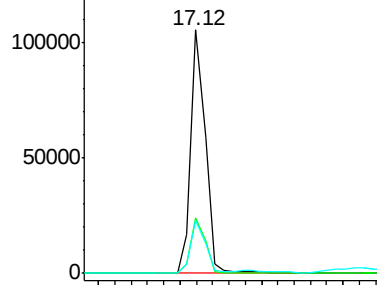
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.12 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF078591.D
Acq: 17 Apr 2015 5:09

Instrument :
BNA_F
ClientSampleId :
HS-SB06BDL

Tgt Ion: 264 Resp: 130704
Ion Ratio Lower Upper
264 100
260 22.7 18.6 27.8
265 21.6 17.0 25.6

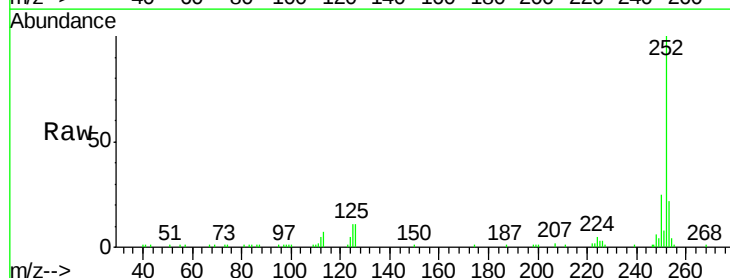


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

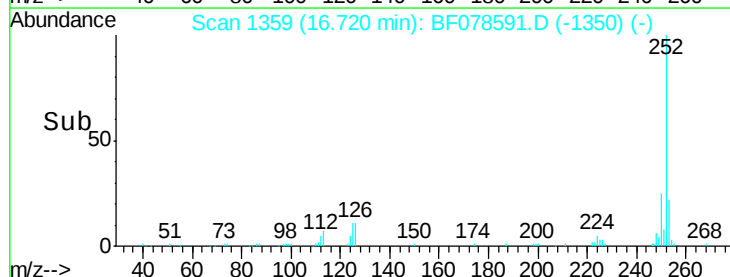
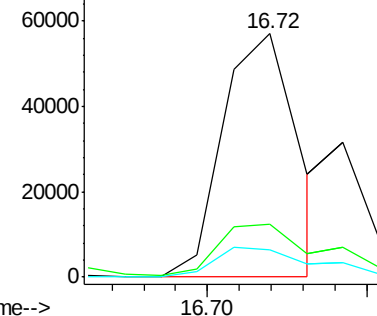


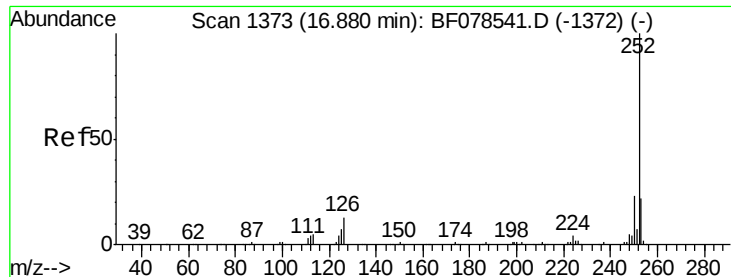
#87
Benzo(b)fluoranthene
Concen: 11.46 ng m
RT: 16.72 min Scan# 1359
Delta R.T. -0.00 min
Lab File: BF078591.D
Acq: 17 Apr 2015 5:09

Tgt Ion: 252 Resp: 92580
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 11.0 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: 4.01 ng m

RT: 16.74 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

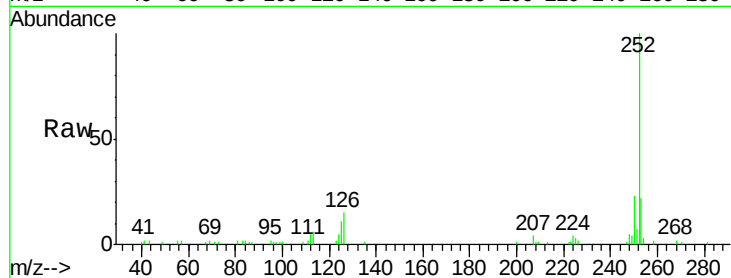
Instrument :

BNA_F

ClientSampleId :

HS-SB06BDL

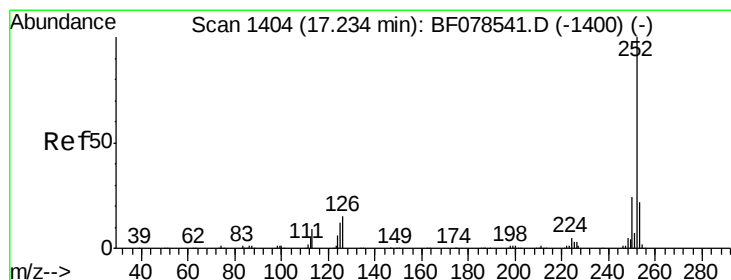
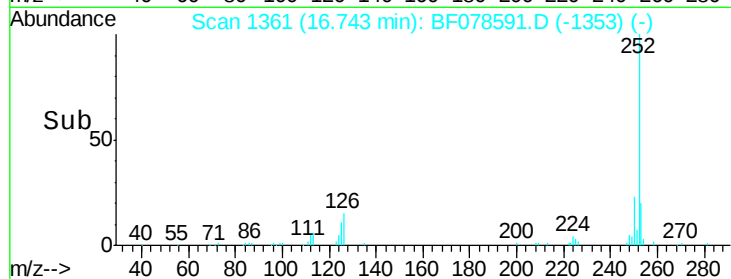
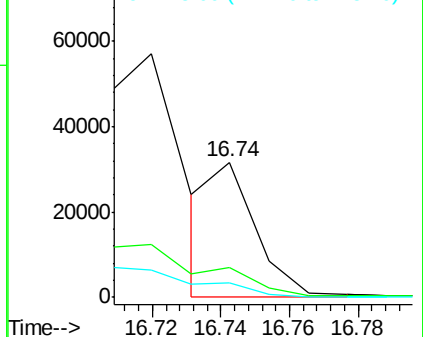
Tgt Ion:	252	Resp:	28756
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	11.1	11.6	17.4#



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: 8.23 ng

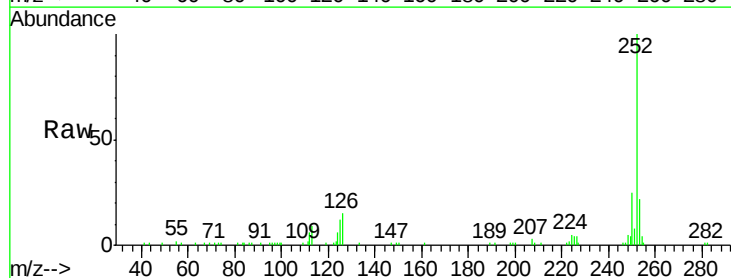
RT: 17.06 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

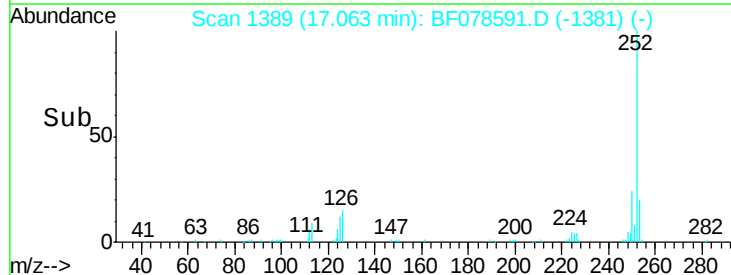
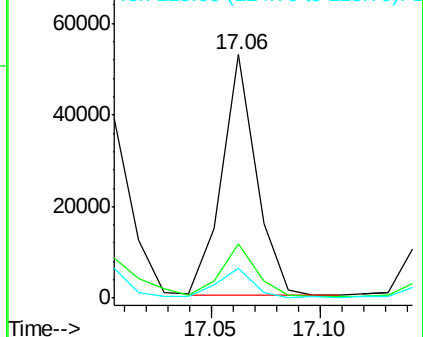
Tgt Ion:	252	Resp:	58038
Ion Ratio	Lower	Upper	
252	100		
253	22.2	16.8	25.2
125	12.0	7.4	11.0#

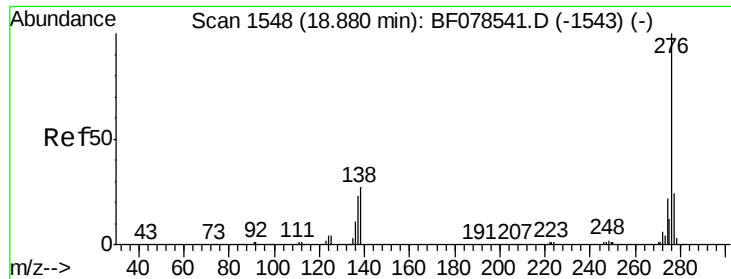


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.17 ng

RT: 18.58 min Scan# 1522

Delta R.T. -0.02 min

Lab File: BF078591.D

Acq: 17 Apr 2015 5:09

Instrument :

BNA_F

ClientSampleId :

HS-SB06BDL

Tgt Ion: 276 Resp: 36569

Ion Ratio Lower Upper

276 100

277 25.2 19.0 28.4

138 28.0 19.9 29.9

