

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
 Data File : BF078947.D
 Acq On : 5 May 2015 18:25
 Operator : TP/IZ
 Sample : G2044-15 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-48S

Quant Time: May 06 02:05:08 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 00:45:00 2015
 Response via : Initial Calibration

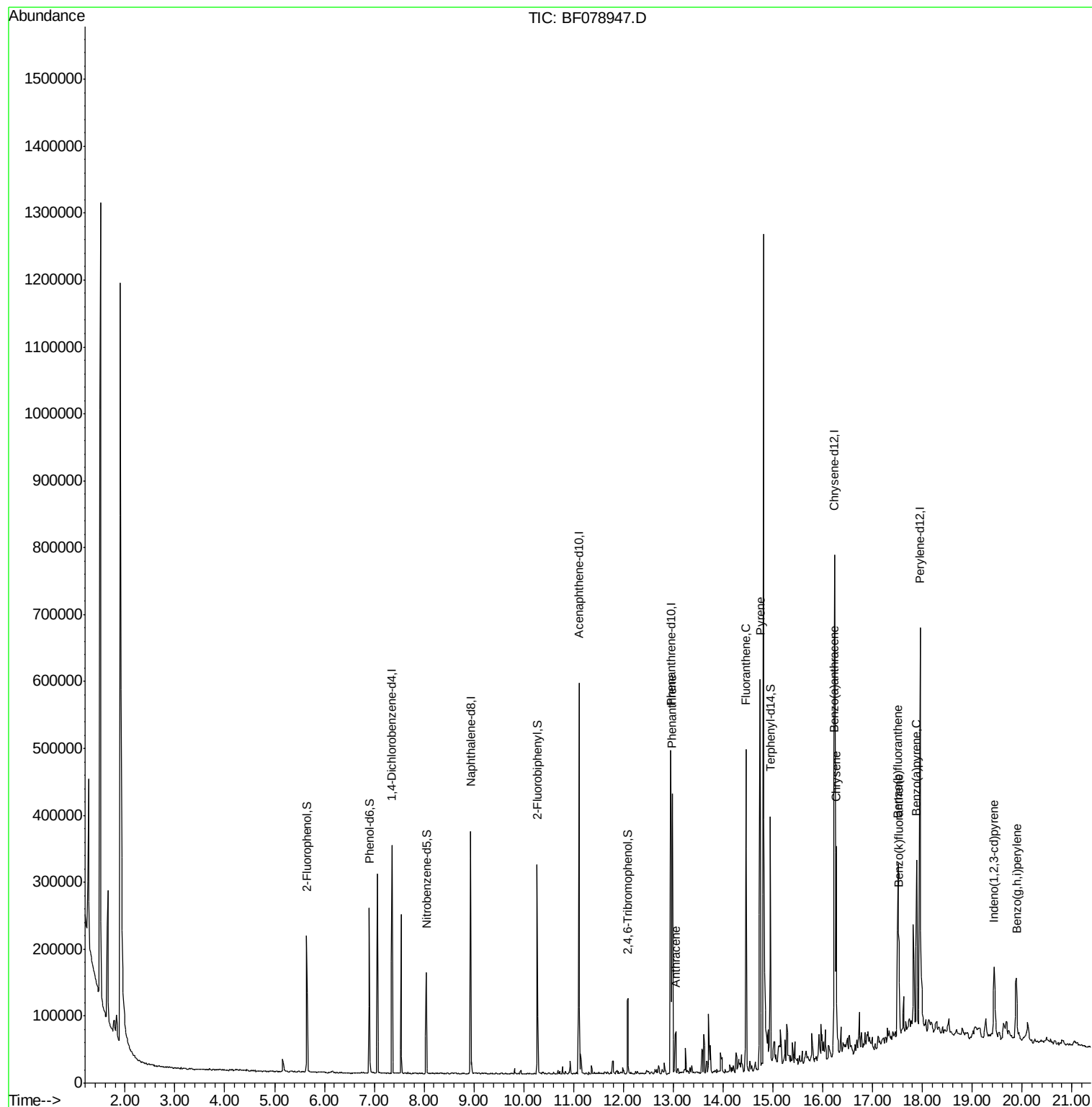
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	59637	20.00	ng	0.00
21) Naphthalene-d8	8.94	136	236912	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	118294	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	222575	20.00	ng	-0.01
75) Chrysene-d12	16.24	240	246327	20.00	ng	-0.03
86) Perylene-d12	17.95	264	282399	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	69040	19.93	ng	0.00
7) Phenol-d6	6.90	99	94027	20.53	ng	0.00
23) Nitrobenzene-d5	8.04	82	50234	12.19	ng	0.00
41) 2,4,6-Tribromophenol	12.09	330	20085	15.69	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	103223	12.16	ng	-0.01
78) Terphenyl-d14	14.95	244	118684	11.54	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.98	178	165793	13.31	ng	98
71) Anthracene	13.05	178	37422	3.06	ng	97
74) Fluoranthene	14.46	202	260078	20.04	ng	99
77) Pyrene	14.74	202	248142	17.48	ng	98
80) Benzo(a)anthracene	16.23	228	135624	10.05	ng	98
82) Chrysene	16.27	228	108253	8.34	ng	97
85) Indeno(1,2,3-cd)pyrene	19.44	276	79616m	4.82	ng	
87) Benzo(b)fluoranthene	17.51	252	147600m	9.55	ng	
88) Benzo(k)fluoranthene	17.52	252	66297m	4.43	ng	
89) Benzo(a)pyrene	17.89	252	119233	8.38	ng	# 96
91) Benzo(g,h,i)perylene	19.89	276	80434	5.31	ng	98

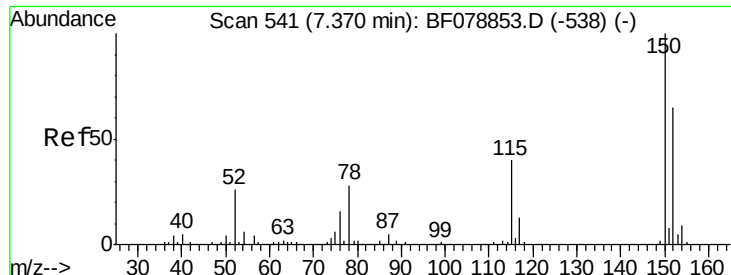
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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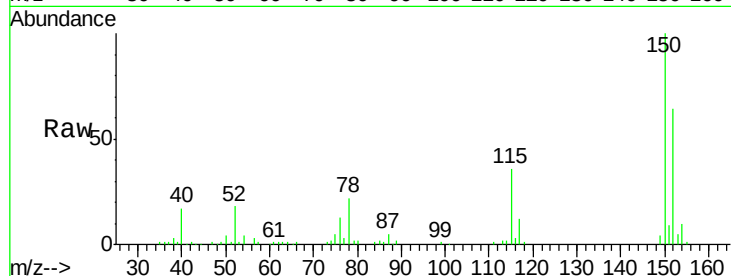


#1

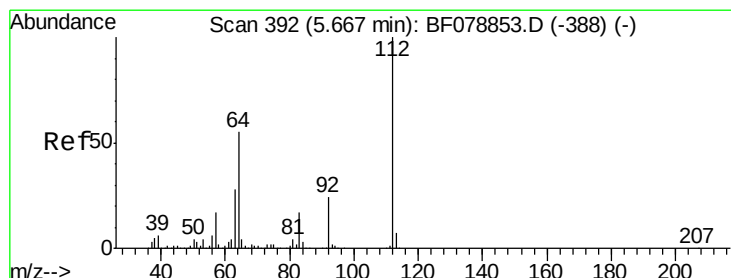
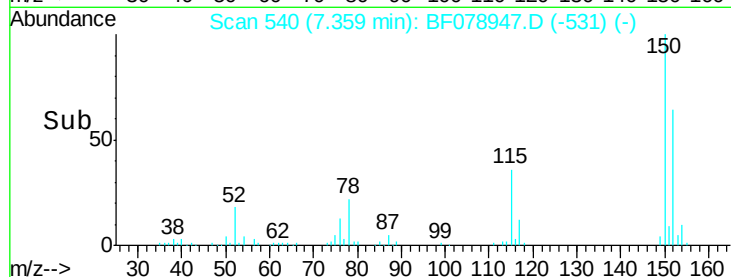
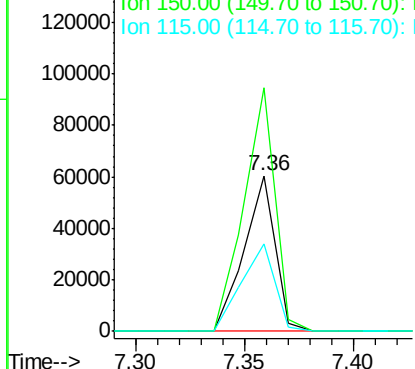
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.36 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tot Ion:152 Resp: 59637
Ion Ratio Lower Upper
152 100
150 156.7 122.0 183.0
115 56.7 46.3 69.5



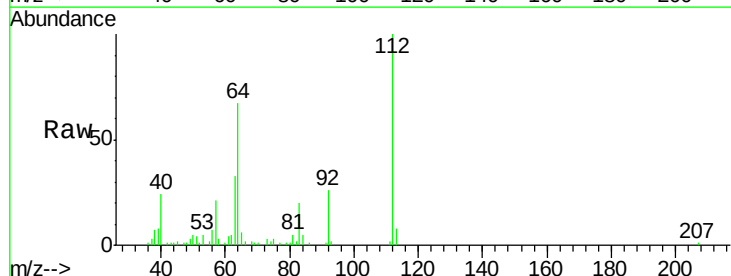
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



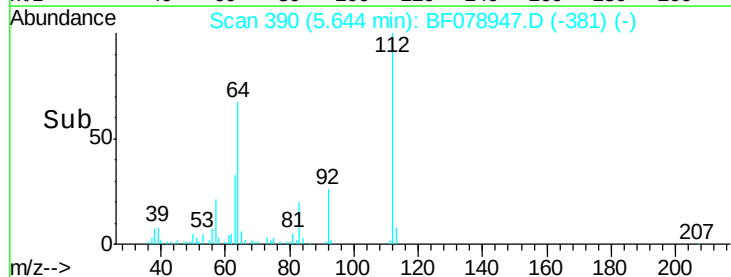
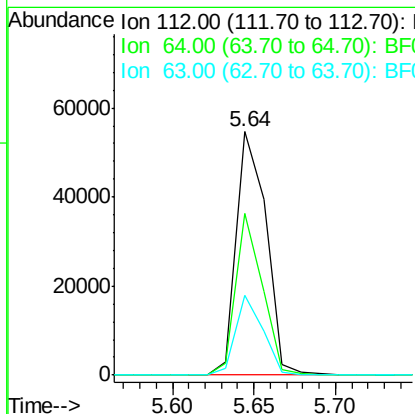
#5

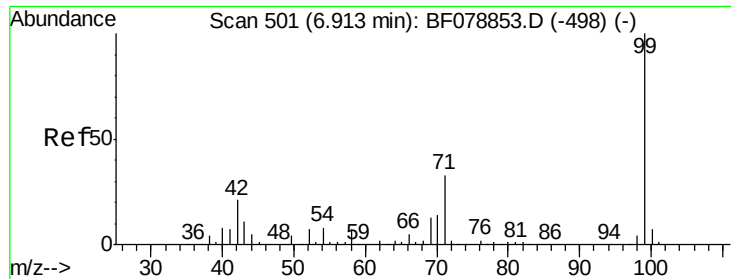
2-Fluorophenol
Concen: 19.93 ng
RT: 5.64 min Scan# 390
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:112 Resp: 69040
Ion Ratio Lower Upper
112 100
64 66.6 53.5 80.3
63 32.9 27.5 41.3



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: 20.53 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Instrument :

BNA_F

ClientSampleId :

SB-48S

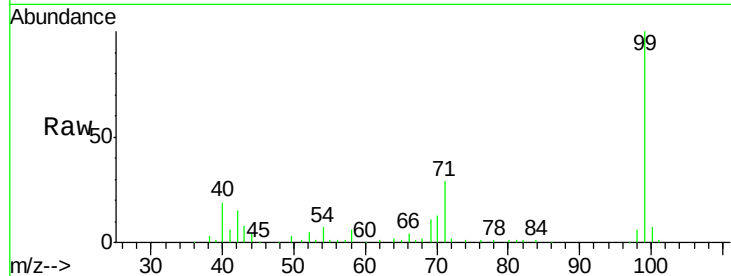
Tot Ion: 99 Resp: 94027

Ion Ratio Lower Upper

99 100

42 15.4 12.8 19.2

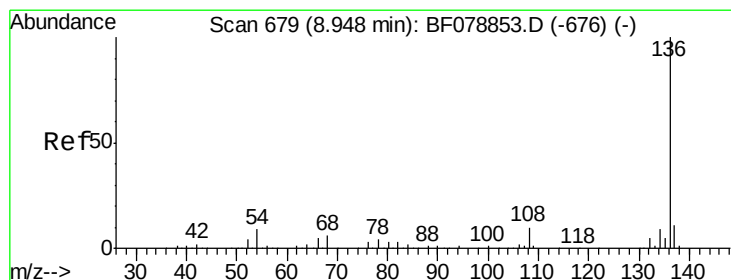
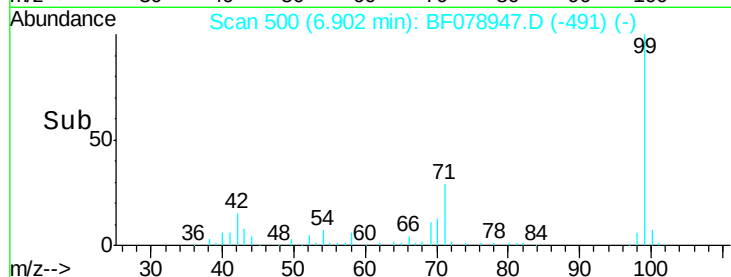
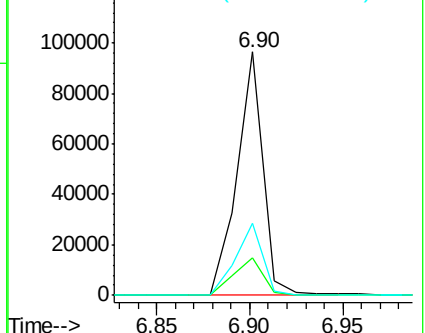
71 29.4 23.4 35.2



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: 8.94 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Tgt Ion: 136 Resp: 236912

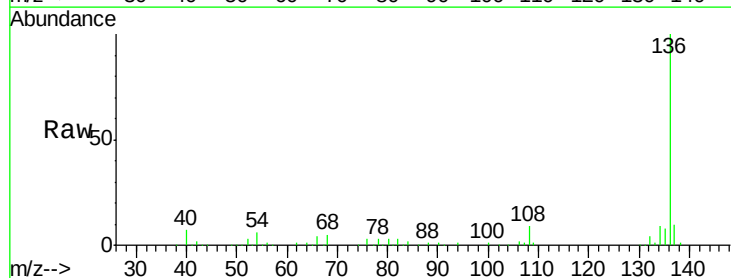
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 6.0 5.8 8.8

68 4.6 4.2 6.4

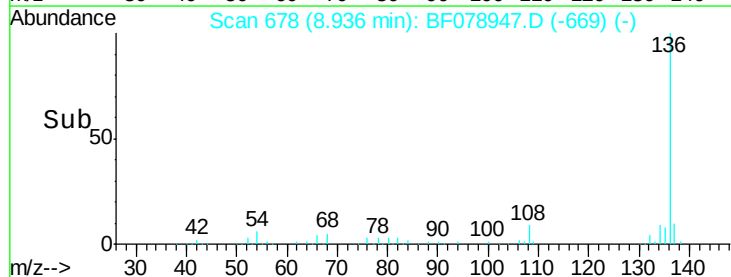
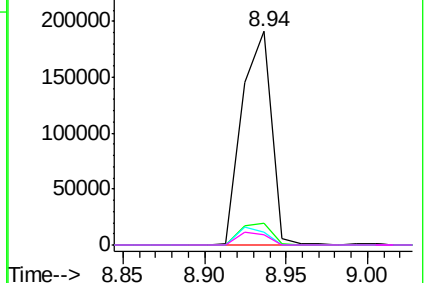


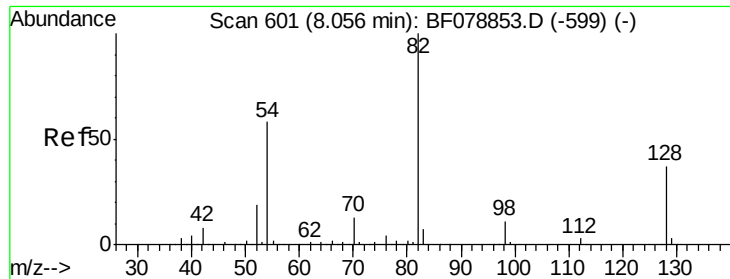
Abundance Ion 136.00 (135.70 to 136.70): E

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

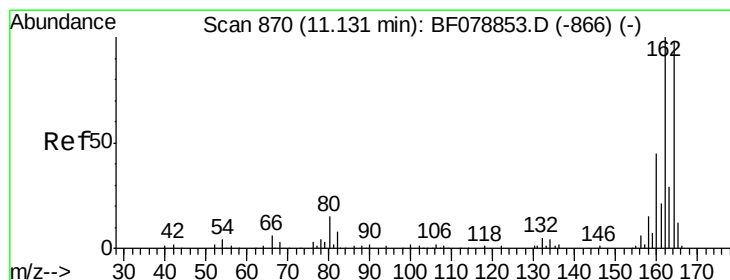
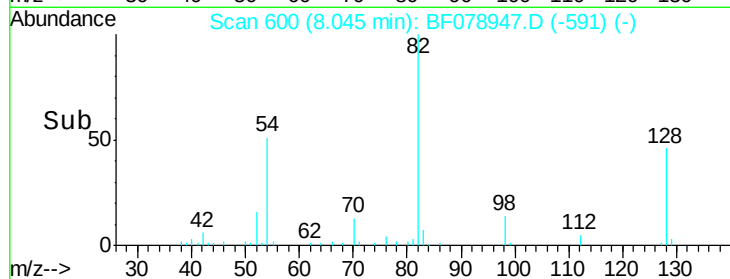
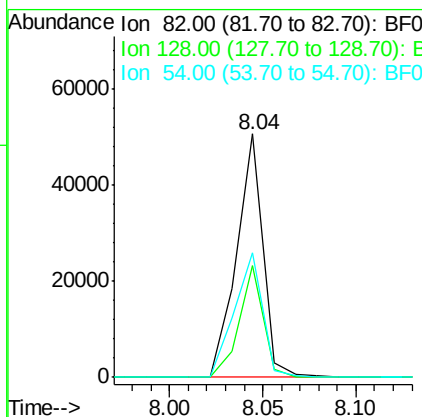
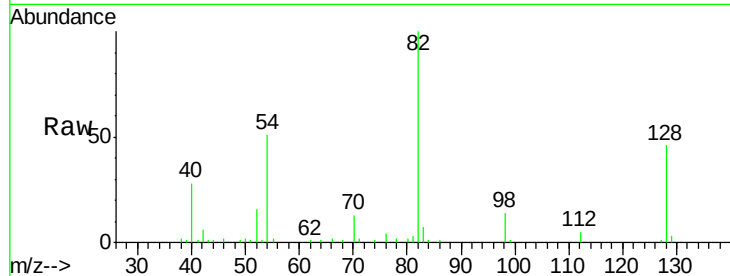




#23
 Nitrobenzene-d5
 Concen: 12.19 ng
 RT: 8.04 min Scan# 600
 Delta R.T. -0.00 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

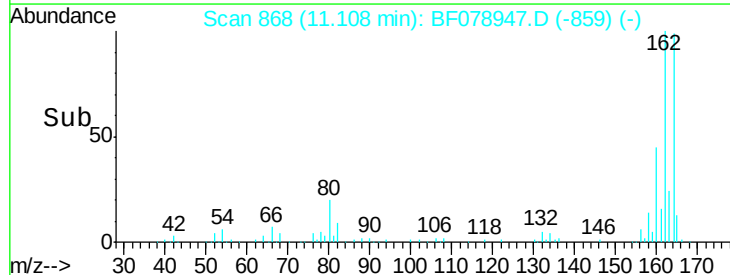
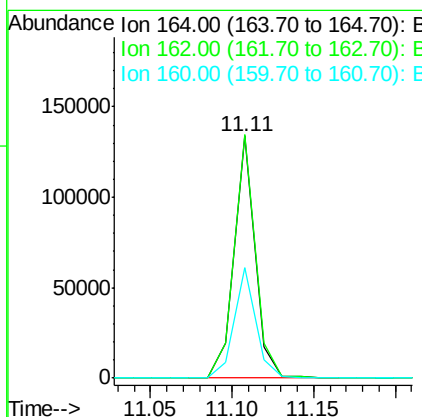
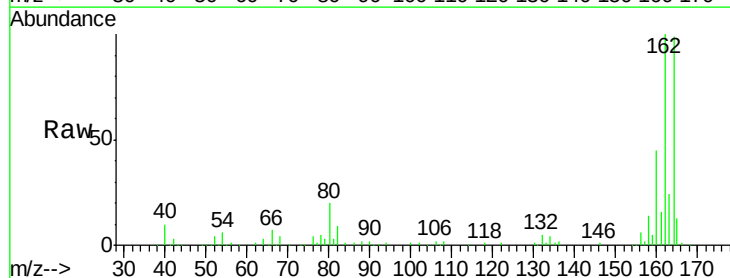
Instrument :
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 ClientSampleId :
 SB-48S

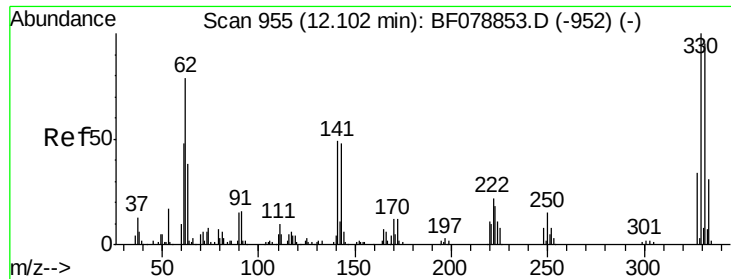
Tot Ion	82	Resp	50234
Ion Ratio	100	Lower	Upper
128	45.7	30.0	45.0#
54	51.3	46.4	69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

Tgt Ion	164	Resp	118294
Ion Ratio	100	Lower	Upper
162	100.7	82.7	124.1
160	45.8	35.8	53.8

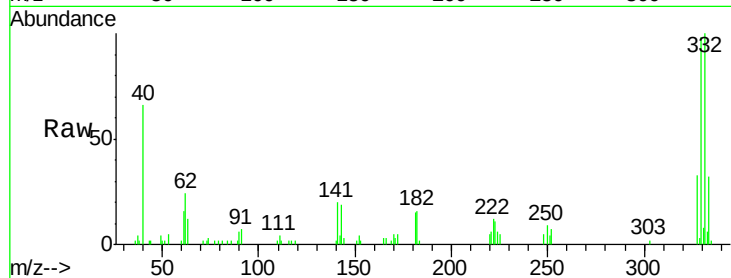




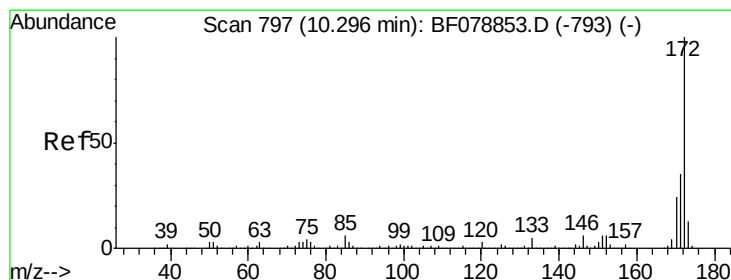
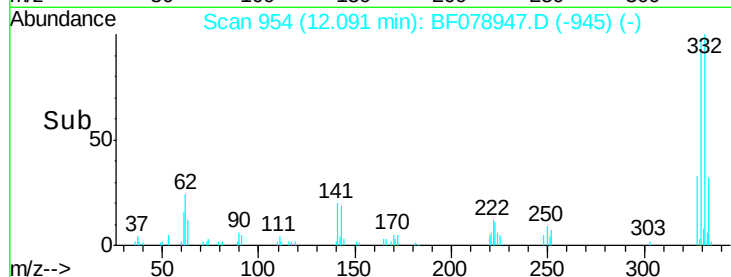
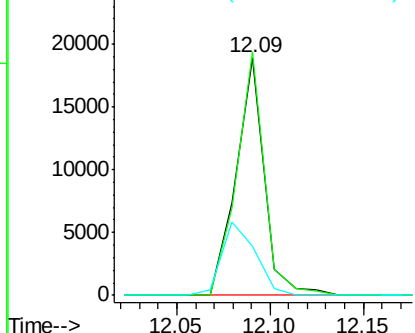
#41
 2,4,6-Tribromophenol
 Concen: 15.69 ng
 RT: 12.09 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-48S

Tot Ion:330 Resp: 20085
 Ion Ratio Lower Upper
 330 100
 332 100.0 0.0 0.0#
 141 36.6 0.0 0.0#

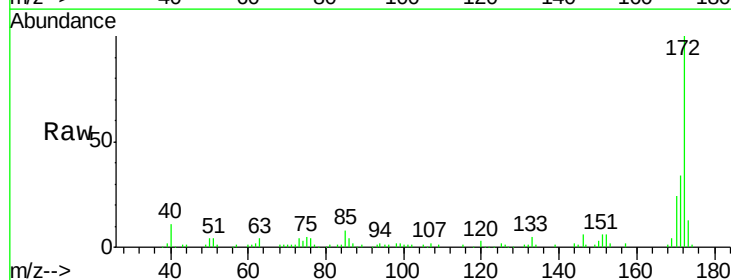


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

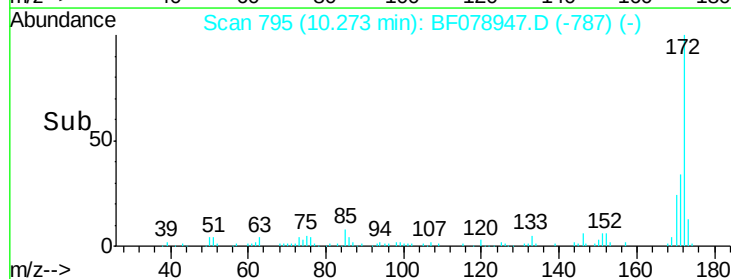
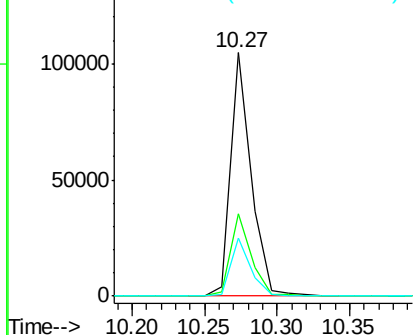


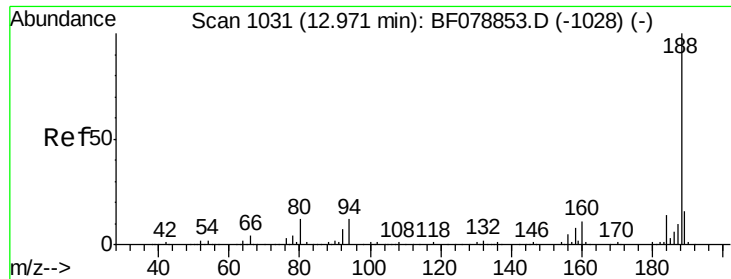
#44
 2-Fluorobiphenyl
 Concen: 12.16 ng
 RT: 10.27 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

Tgt Ion:172 Resp: 103223
 Ion Ratio Lower Upper
 172 100
 171 33.7 27.9 41.9
 170 24.1 19.4 29.0



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

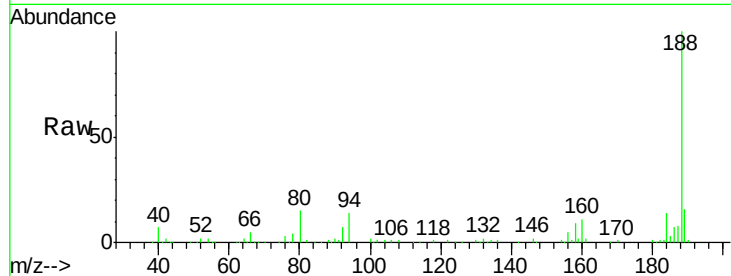




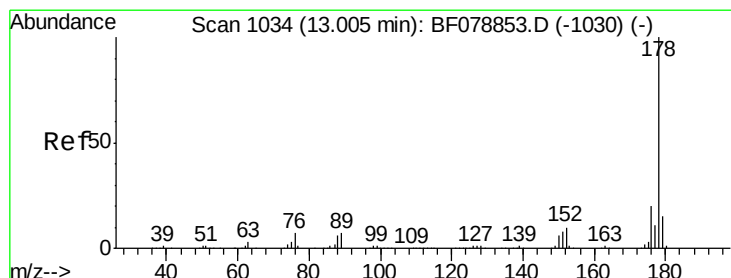
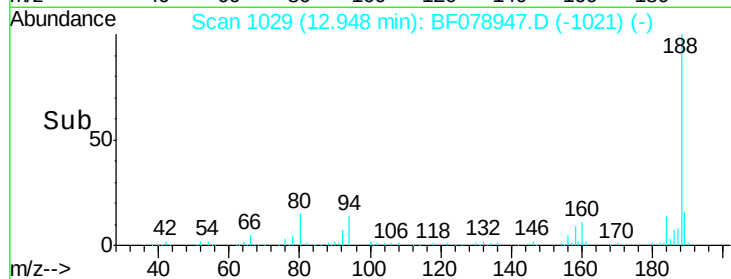
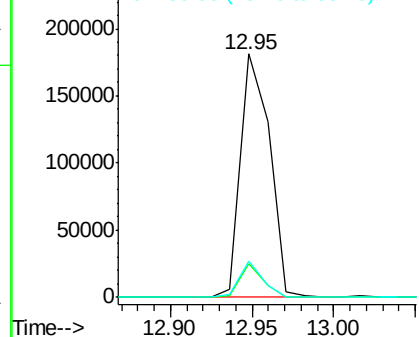
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleID :
SB-48S

Tot Ion:188 Resp: 222575
Ion Ratio Lower Upper
188 100
94 13.8 8.2 12.2#
80 14.7 8.9 13.3#

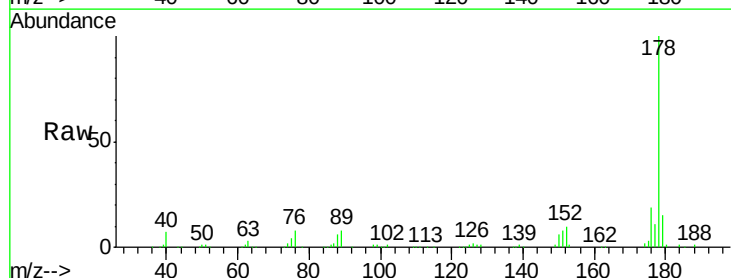


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

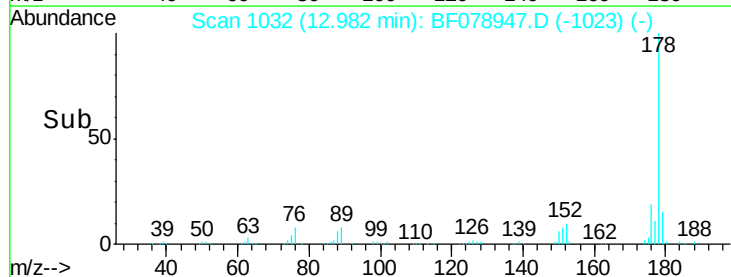
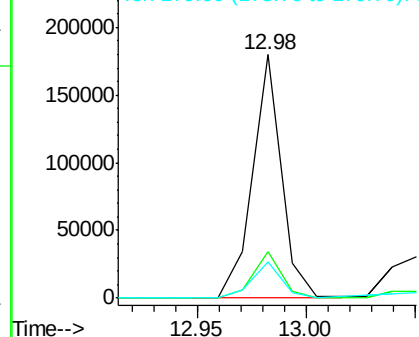


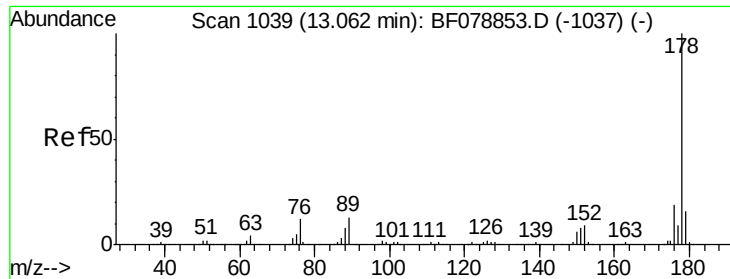
#70
Phenanthrene
Concen: 13.31 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:178 Resp: 165793
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.1 12.5 18.7



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

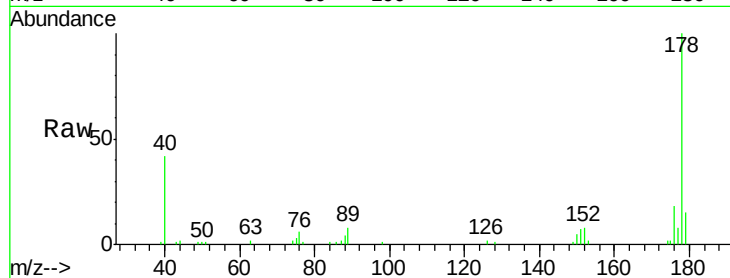




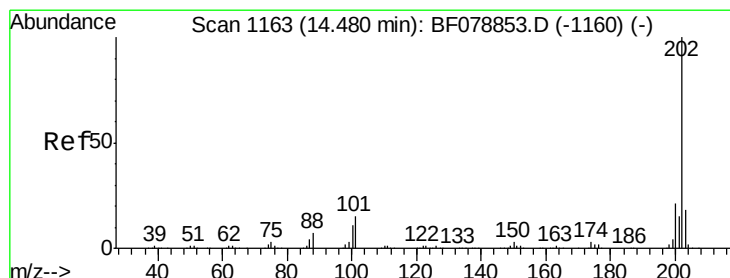
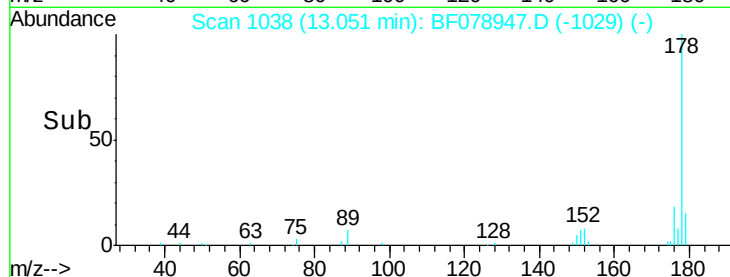
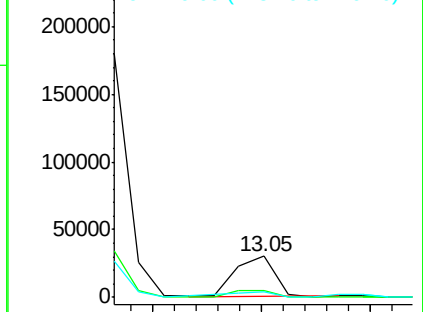
#71
 Anthracene
 Concen: 3.06 ng
 RT: 13.05 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-48S

Tot Ion:178 Resp: 37422
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.5 23.3
 179 14.5 12.7 19.1

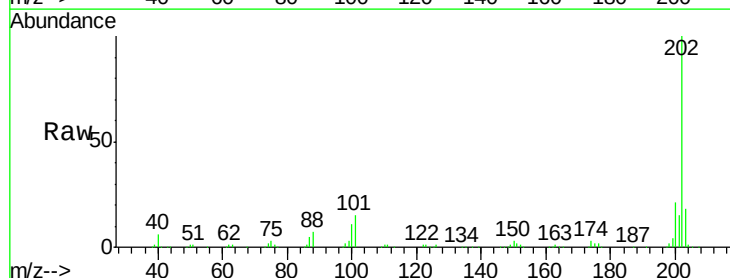


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

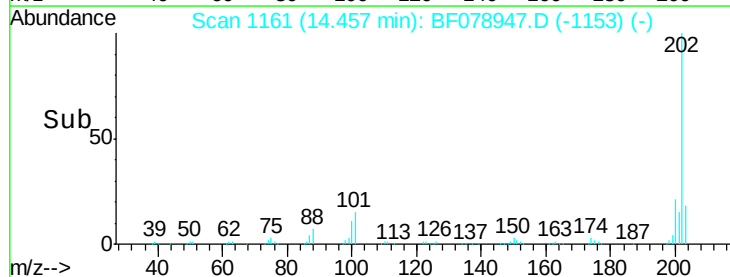
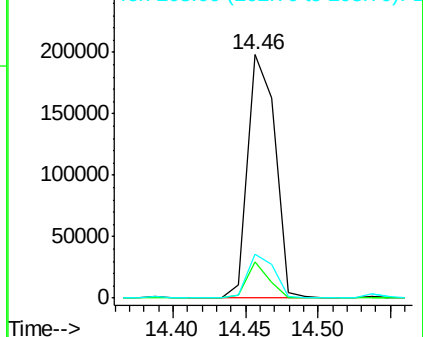


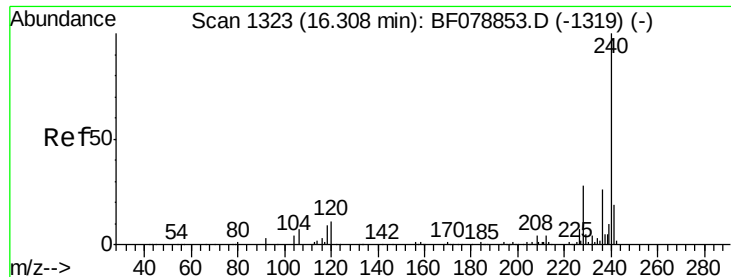
#74
 Fluoranthene
 Concen: 20.04 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

Tgt Ion:202 Resp: 260078
 Ion Ratio Lower Upper
 202 100
 101 14.8 0.0 34.6
 203 17.9 0.0 38.4



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: 16.24 min Scan# 1317

Delta R.T. -0.03 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Instrument :

BNA_F

ClientSampleId :

SB-48S

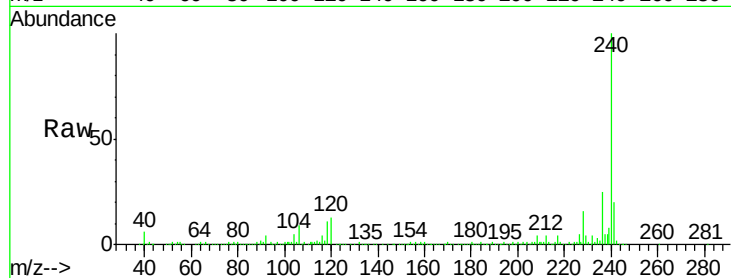
Tot Ion:240 Resp: 246327

Ion Ratio Lower Upper

240 100

120 13.0 9.7 14.5

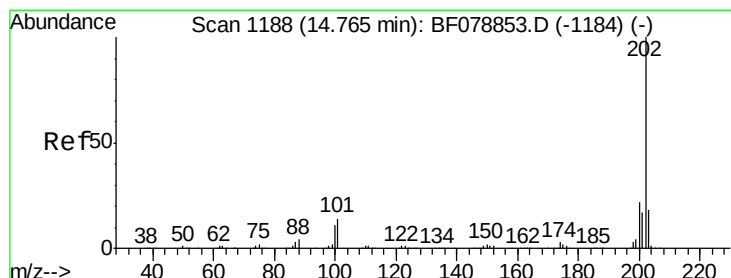
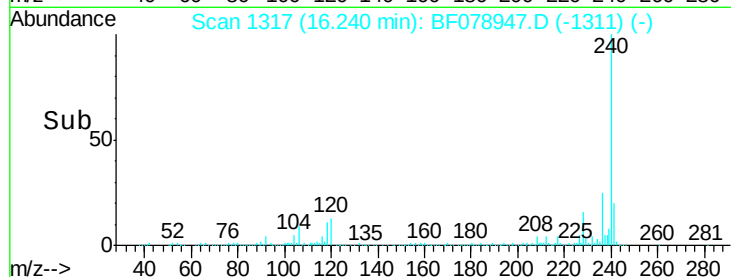
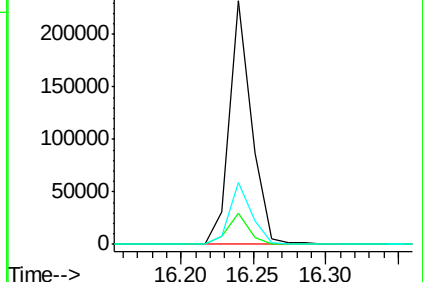
236 25.5 20.2 30.4



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: 17.48 ng

RT: 14.74 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

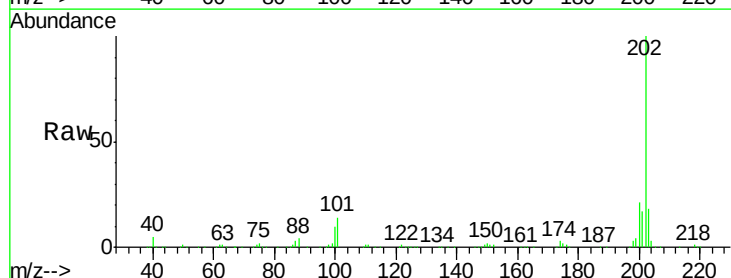
Tgt Ion:202 Resp: 248142

Ion Ratio Lower Upper

202 100

200 21.2 17.5 26.3

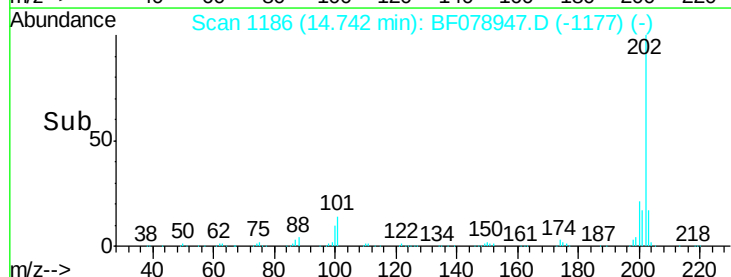
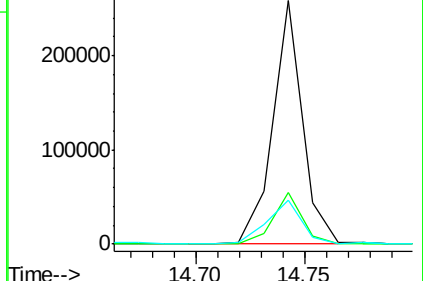
203 18.0 13.9 20.9

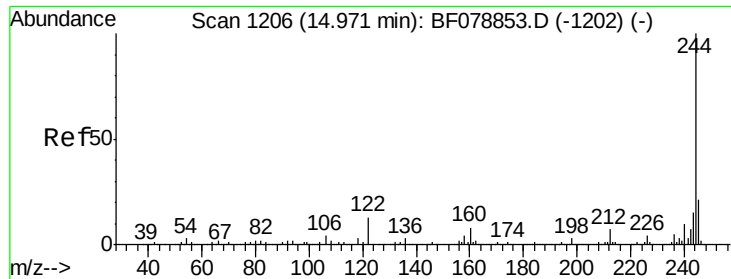


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

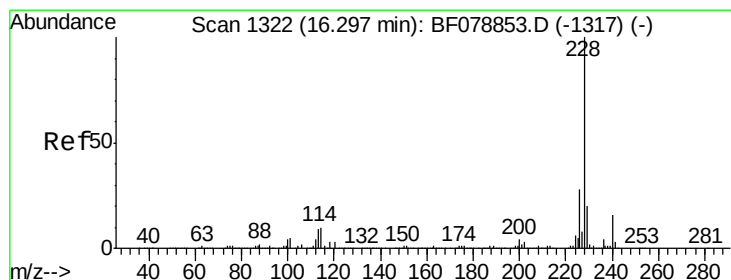
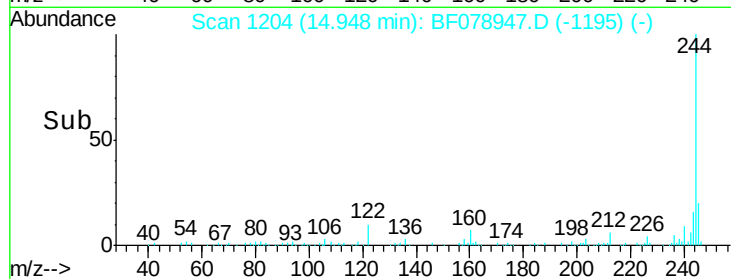
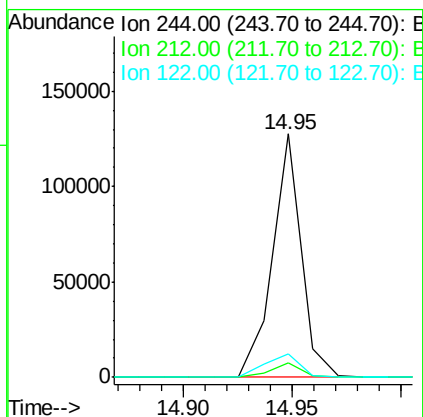
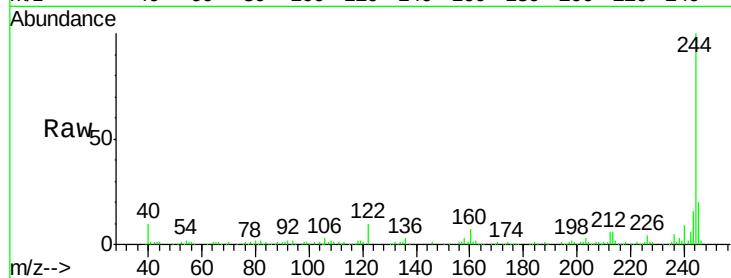




#78
 Terphenyl-d14
 Concen: 11.54 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

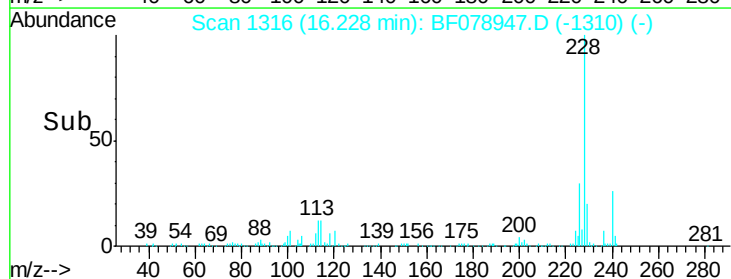
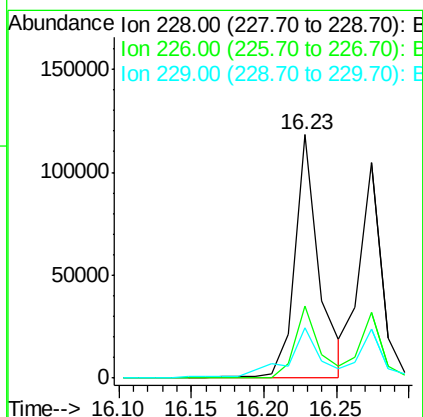
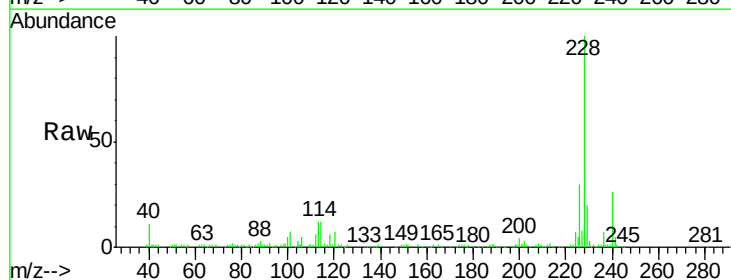
Instrument :
 BNA_F
 ClientSampleId :
 SB-48S

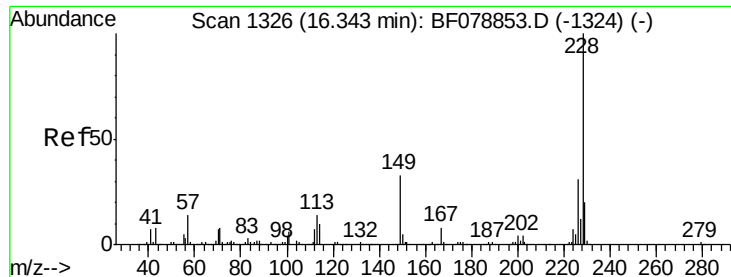
Tot Ion:244 Resp: 118684
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.6 8.4
 122 9.9 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 10.05 ng
 RT: 16.23 min Scan# 1316
 Delta R.T. -0.03 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

Tgt Ion:228 Resp: 135624
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.6 33.8
 229 20.4 15.9 23.9





#82

Chrysene

Concen: 8.34 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.03 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Instrument :

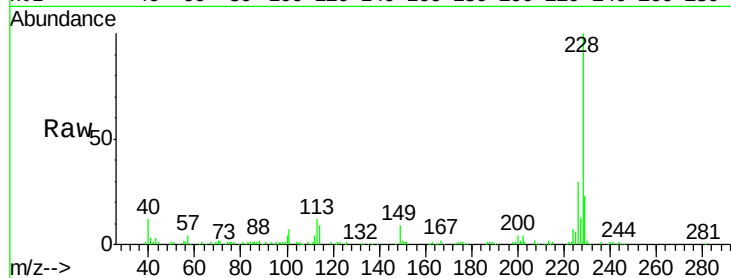
BNA_F

ClientSampleId :

SB-48S

Tot Ion:228 Resp: 108253

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	22.9	16.0	24.0

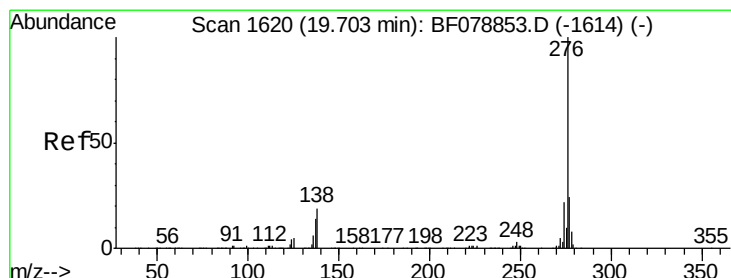
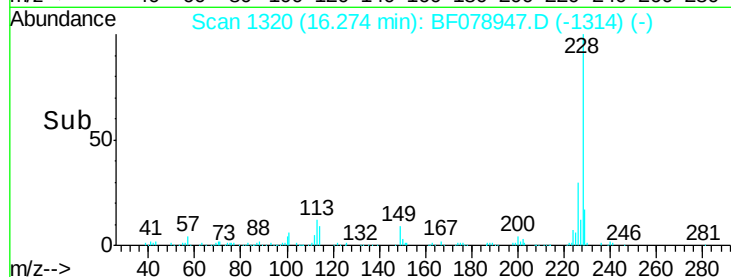
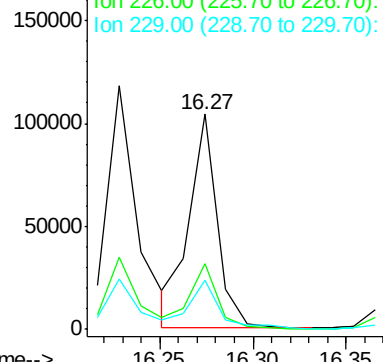


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.82 ng m

RT: 19.44 min Scan# 1597

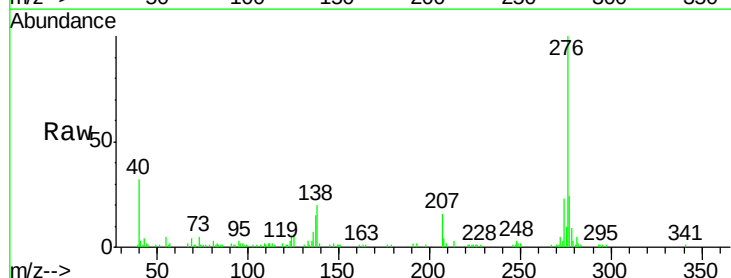
Delta R.T. -0.16 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Tgt Ion:276 Resp: 79616

Ion	Ratio	Lower	Upper
276	100		
138	4.8	0.0	0.0#
277	3.3	0.0	0.0#

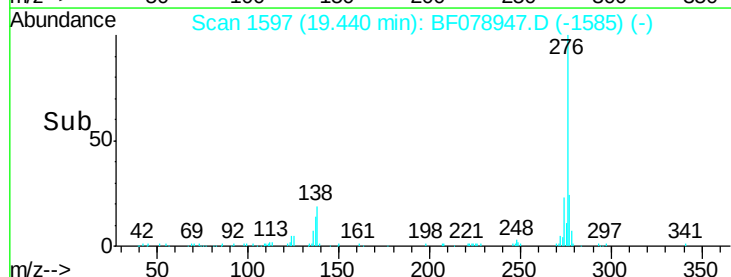
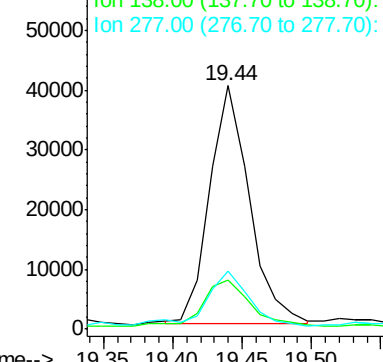


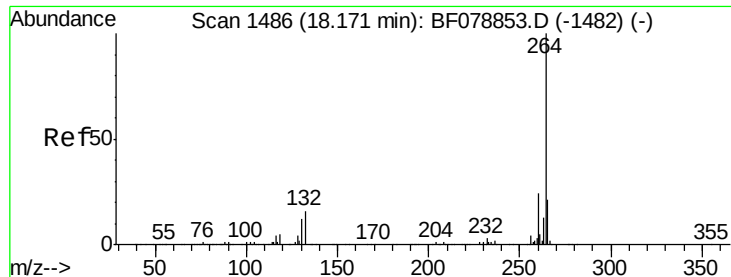
Abundance

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

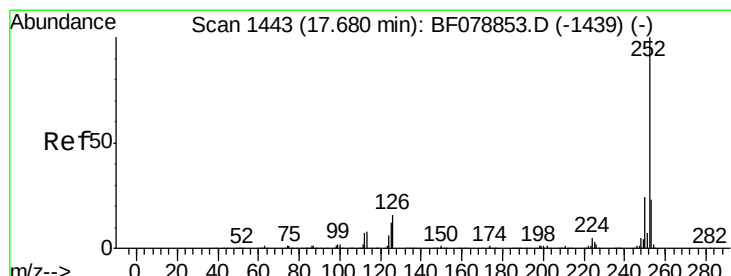
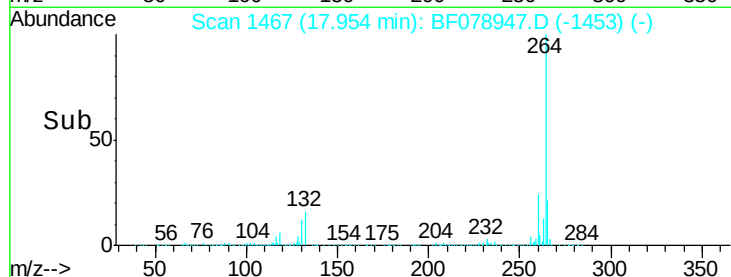
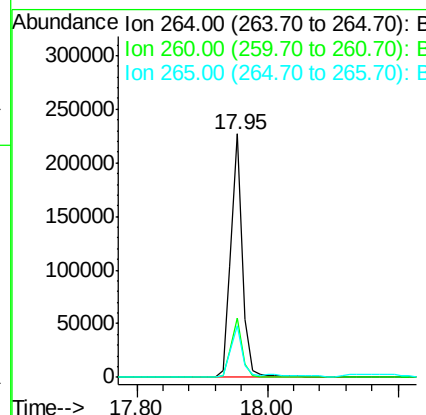
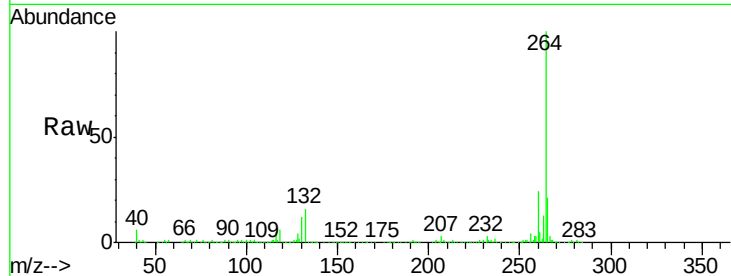




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.95 min Scan# 1467
Delta R.T. -0.14 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

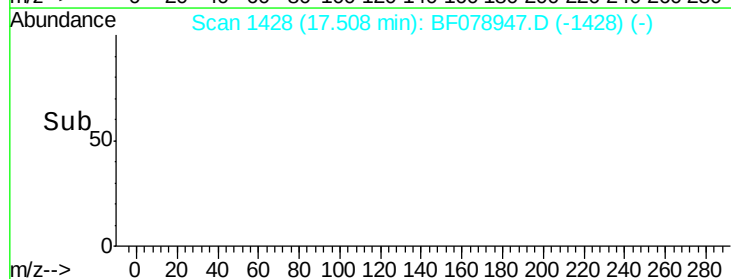
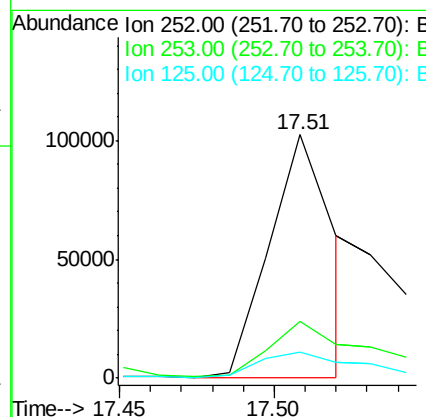
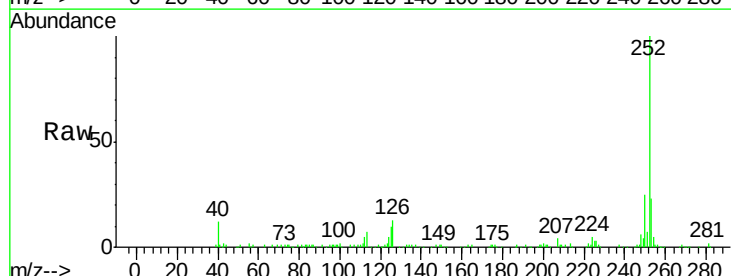
Instrument :
BNA_F
ClientSampleId :
SB-48S

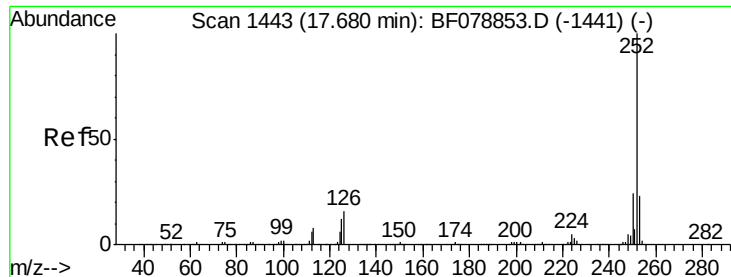
Tot Ion:264 Resp: 282399
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 21.4 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 9.55 ng m
RT: 17.51 min Scan# 1428
Delta R.T. -0.10 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:252 Resp: 147600
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 10.5 9.5 14.3





#88

Benzo(k)fluoranthene

Concen: 4.43 ng

RT: 17.52 min Scan# 1429

Delta R.T. -0.14 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

Instrument :

BNA_F

ClientSampled :

SB-48S

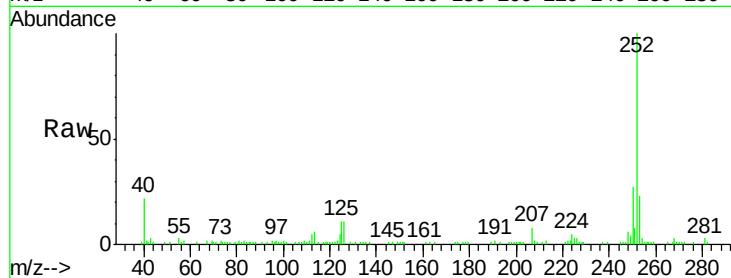
Tot Ion:252 Resp: 66297

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

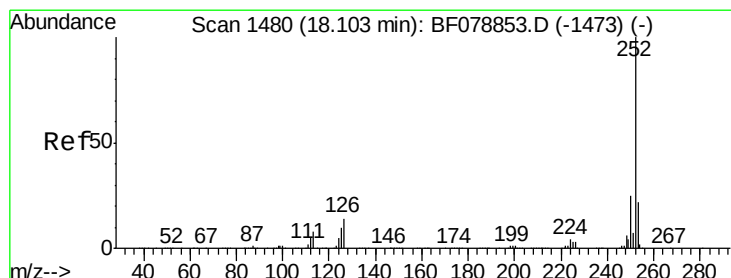
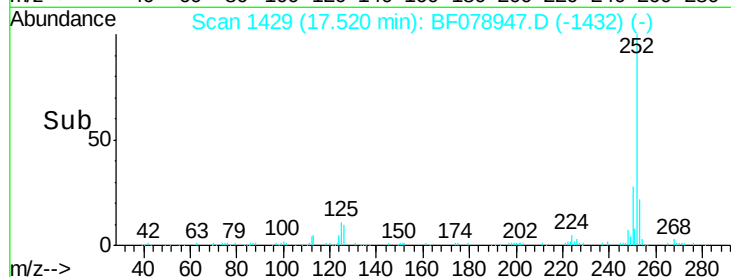
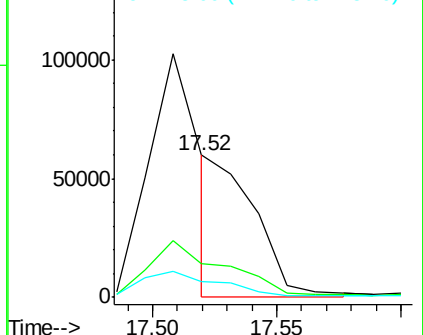
125 11.3 10.0 15.0



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



#89

Benzo(a)pyrene

Concen: 8.38 ng

RT: 17.89 min Scan# 1461

Delta R.T. -0.14 min

Lab File: BF078947.D

Acq: 5 May 2015 18:25

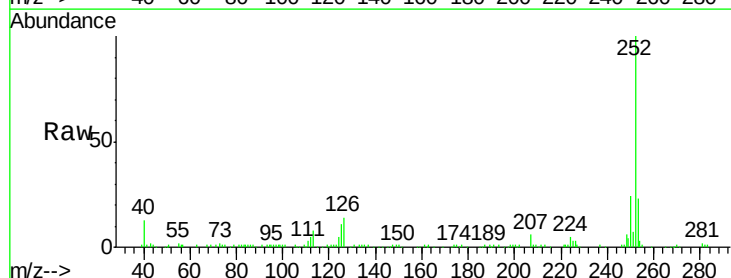
Tgt Ion:252 Resp: 119233

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

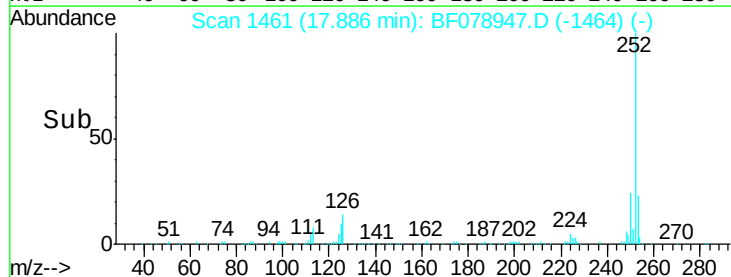
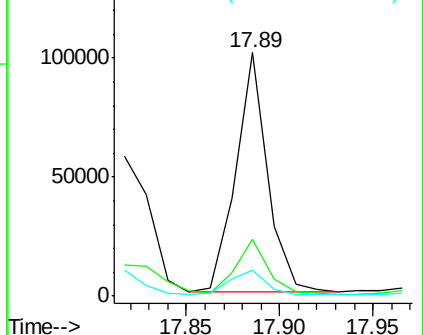
125 10.9 7.0 10.6#

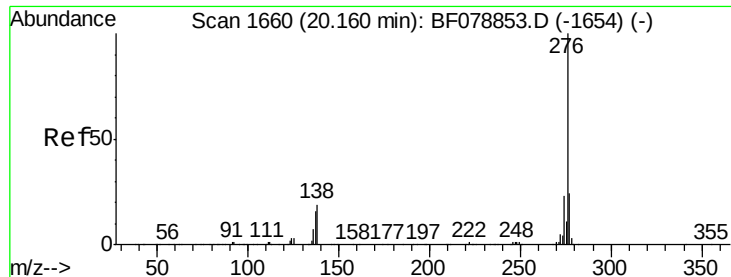


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

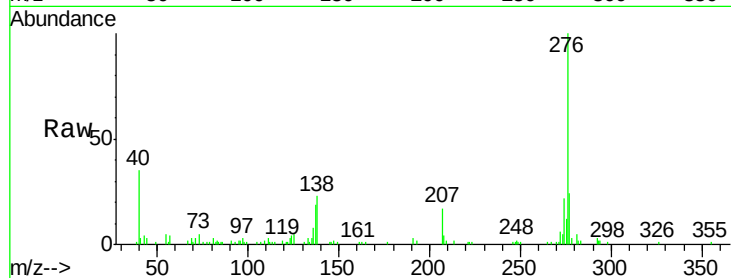




#91
 Benzo(a,h,i)perylene
 Concen: 5.31 ng
 RT: 19.89 min Scan# 1636
 Delta R.T. -0.17 min
 Lab File: BF078947.D
 Acq: 5 May 2015 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-48S

Tot Ion:	276	Resp:	80434
Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	22.7	17.4	26.0



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

