

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078961.D
 Acq On : 6 May 2015 15:36
 Operator : TP/IZ
 Sample : G2116-06 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46S

Quant Time: May 07 01:08:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

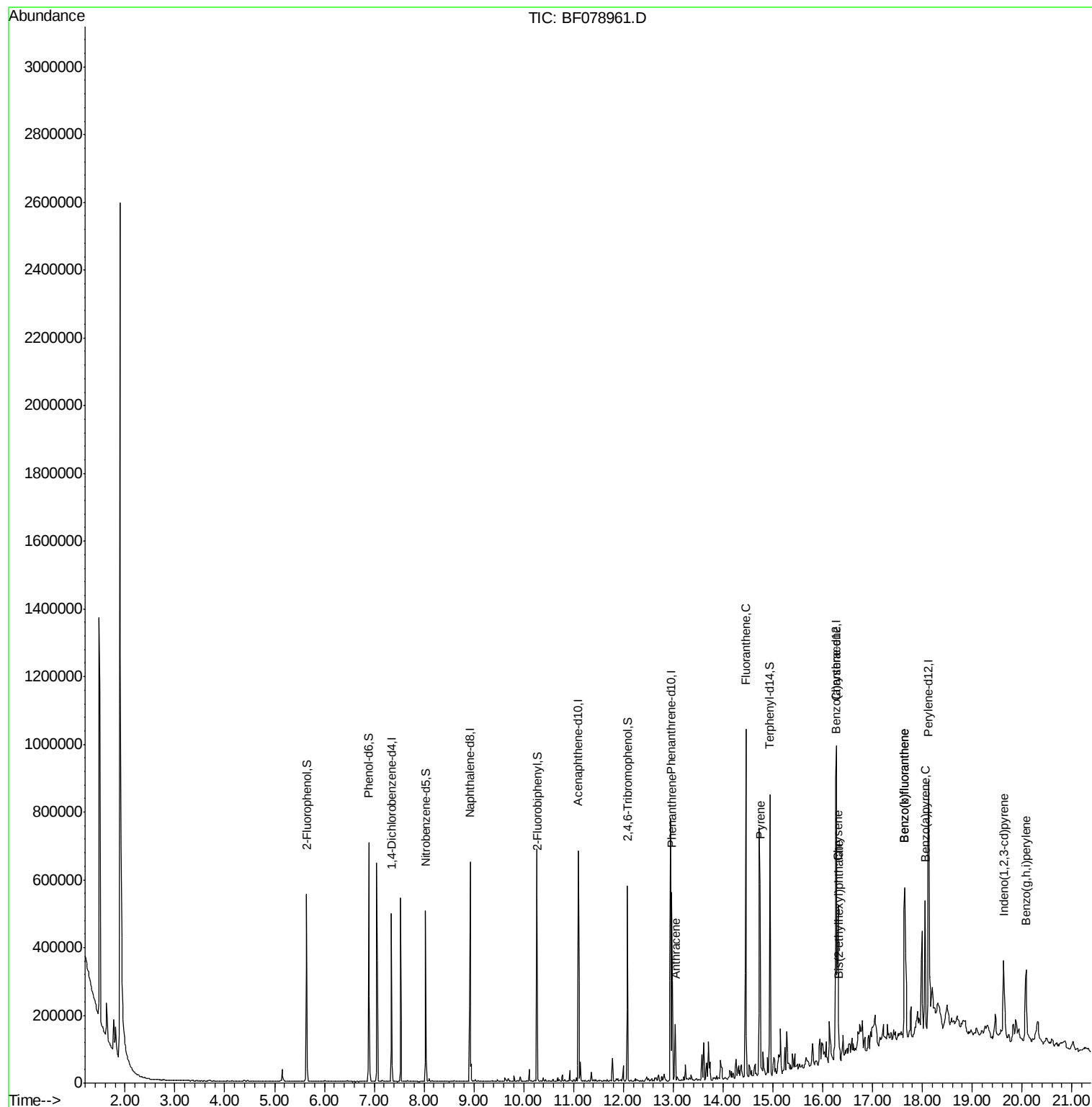
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	72135	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	306718	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	151271	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	309661	20.00	ng	0.00
75) Chrysene-d12	16.27	240	333991	20.00	ng	-0.03
86) Perylene-d12	18.13	264	371510	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	187871	44.83	ng	0.01
7) Phenol-d6	6.89	99	254053	45.86	ng	0.00
23) Nitrobenzene-d5	8.03	82	146337	27.42	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	73397	44.85	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	285597	26.30	ng	0.00
78) Terphenyl-d14	14.94	244	342632	24.56	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	12.97	178	253798	14.65	ng	99
71) Anthracene	13.04	178	67200	3.95	ng	97
74) Fluoranthene	14.46	202	440528	24.40	ng	96
77) Pyrene	14.74	202	393389	20.44	ng	98
80) Benzo(a)anthracene	16.26	228	226636	12.39	ng	99
82) Chrysene	16.31	228	186863	10.62	ng	97
83) Bis(2-ethylhexyl)phthalate	16.32	149	32439	2.55	ng	100
85) Indeno(1,2,3-cd)pyrene	19.63	276	172507	7.70	ng	# 100
87) Benzo(b)fluoranthene	17.65	252	408988	20.11	ng	99
88) Benzo(k)fluoranthene	17.65	252	417896	21.23	ng	99
89) Benzo(a)pyrene	18.06	252	233400	12.47	ng	98
91) Benzo(g,h,i)perylene	20.08	276	177251	8.89	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.35 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

ClientSampleId :

SB-46S

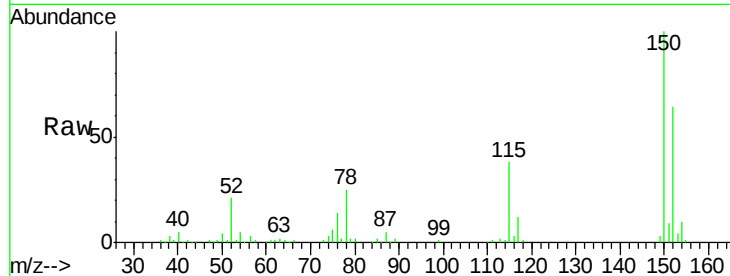
Tgt Ion:152 Resp: 72135

Ion Ratio Lower Upper

152 100

150 157.3 122.0 183.0

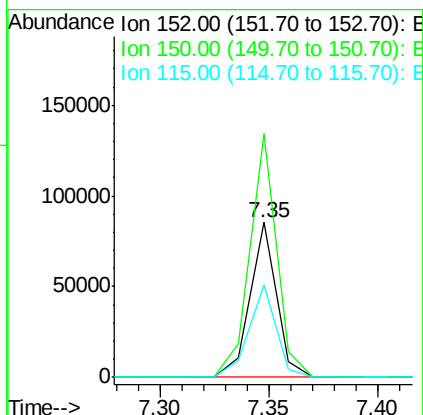
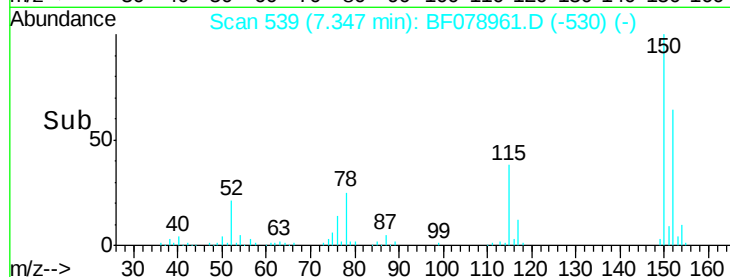
115 60.0 46.3 69.5



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: 44.83 ng

RT: 5.64 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

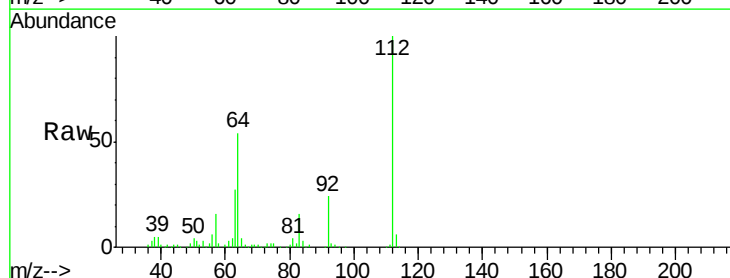
Tgt Ion:112 Resp: 187871

Ion Ratio Lower Upper

112 100

64 54.1 53.5 80.3

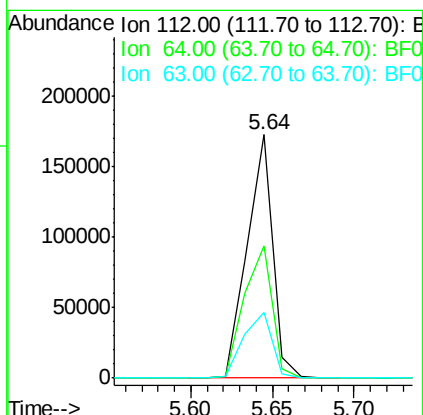
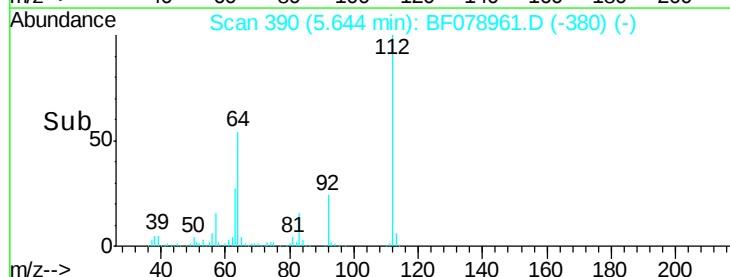
63 27.0 27.5 41.3#

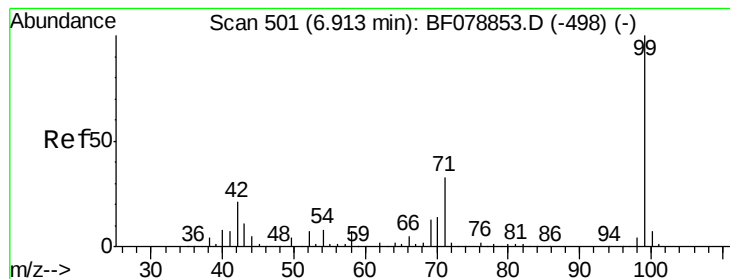


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 45.86 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

ClientSampleId :

SB-46S

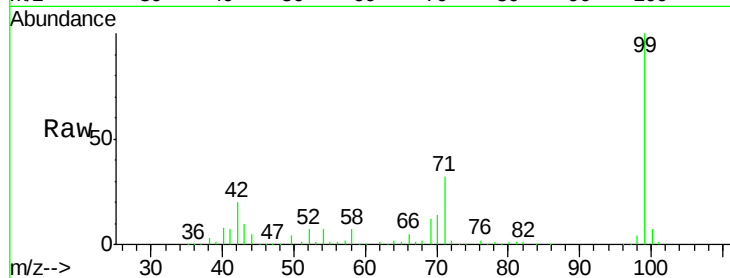
Tgt Ion: 99 Resp: 254053

Ion Ratio Lower Upper

99 100

42 19.9 12.8 19.2#

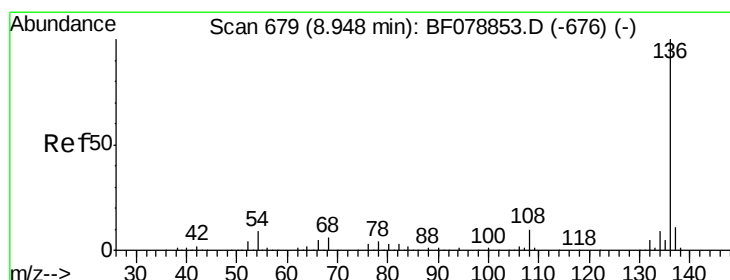
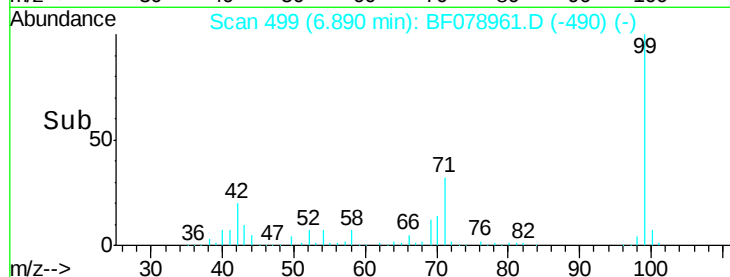
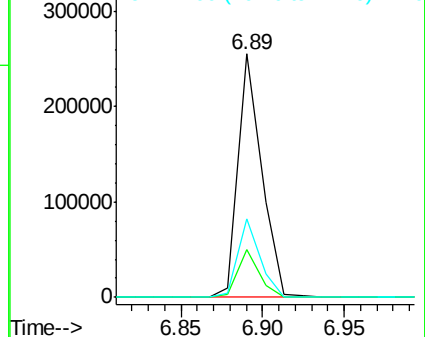
71 32.4 23.4 35.2



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: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Tgt Ion: 136 Resp: 306718

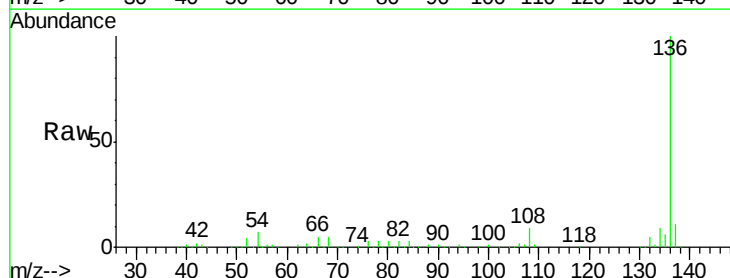
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 7.2 5.8 8.8

68 5.3 4.2 6.4

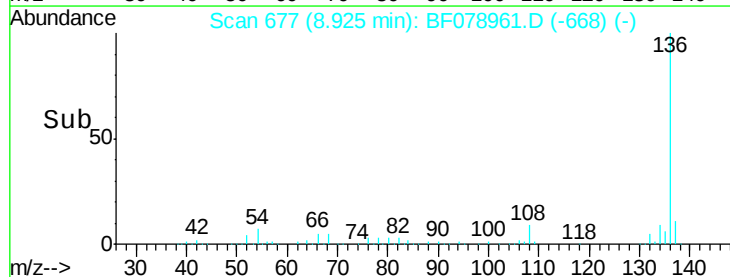
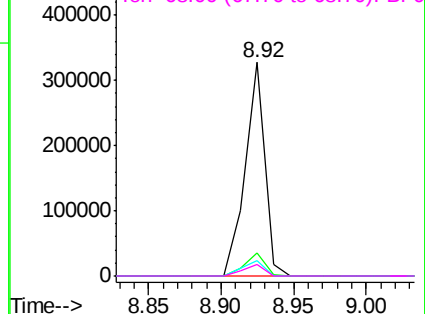


Abundance Ion 136.00 (135.70 to 136.70): E

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

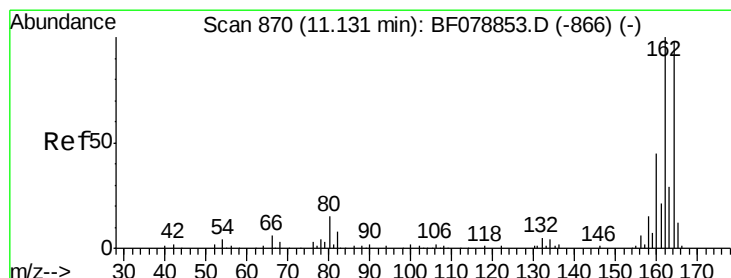
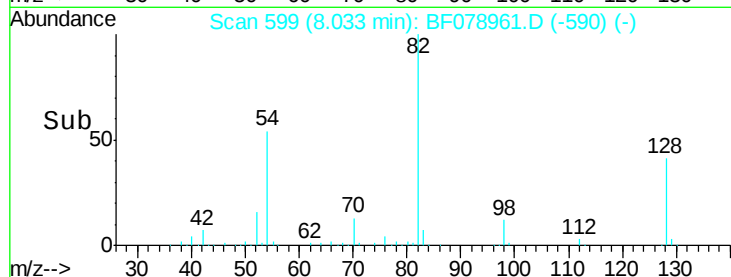
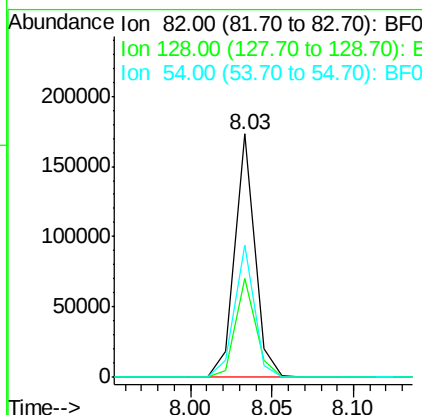
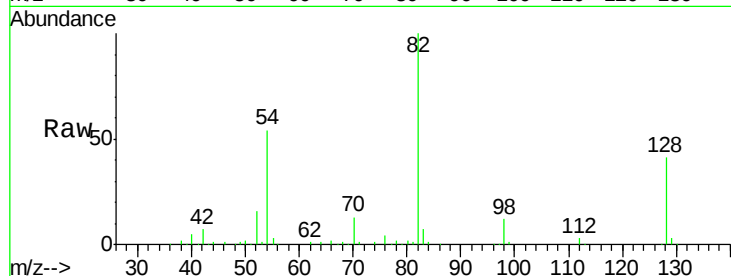




#23
 Nitrobenzene-d5
 Concen: 27.42 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

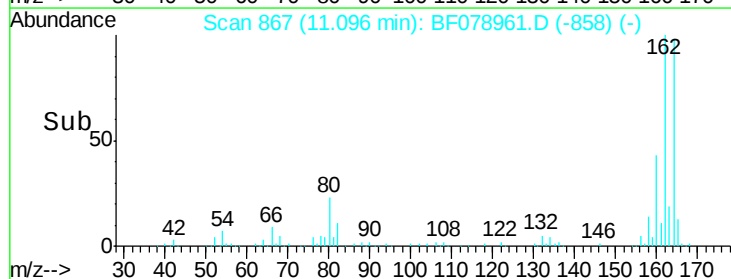
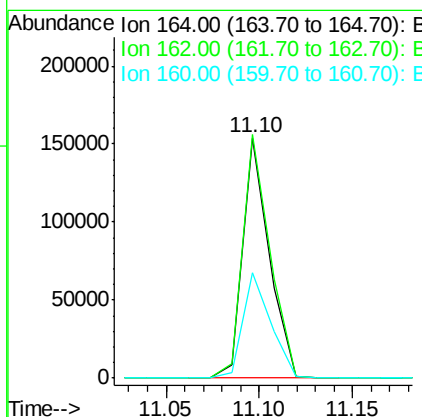
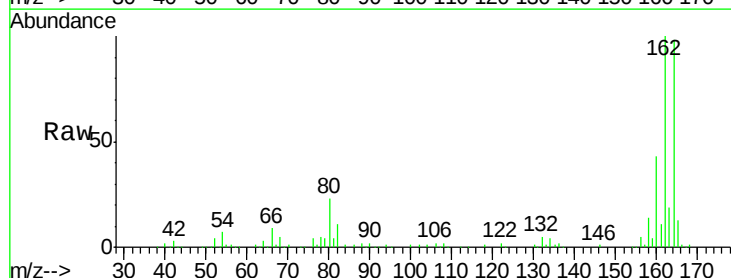
Instrument :
 BNA_F
 ClientSampleId :
 SB-46S

Tgt Ion: 82 Resp: 146337
 Ion Ratio Lower Upper
 82 100
 128 40.7 30.0 45.0
 54 54.5 46.4 69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Tgt Ion:164 Resp: 151271
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.7 124.1
 160 44.0 35.8 53.8

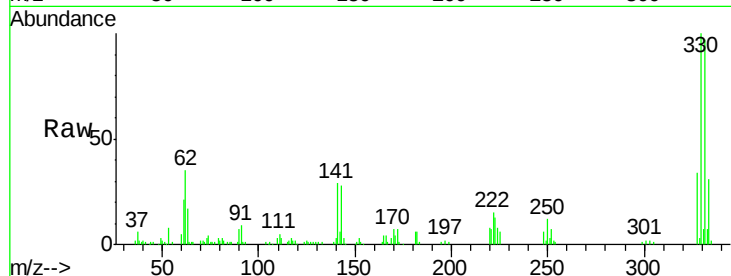




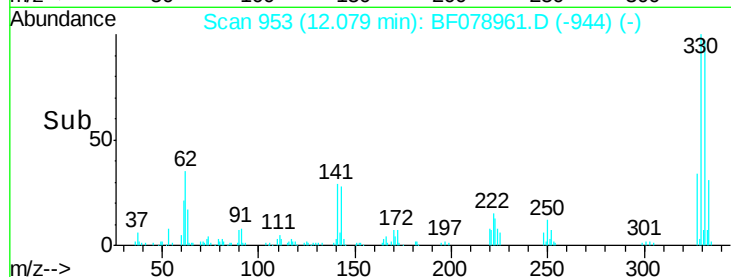
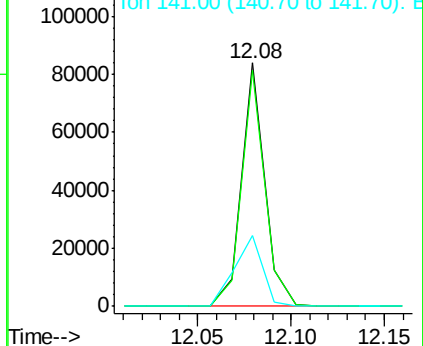
#41
 2,4,6-Tribromophenol
 Concen: 44.85 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-46S

Tgt Ion: 330 Resp: 73397
 Ion Ratio Lower Upper
 330 100
 332 97.0 0.0 0.0#
 141 35.5 0.0 0.0#

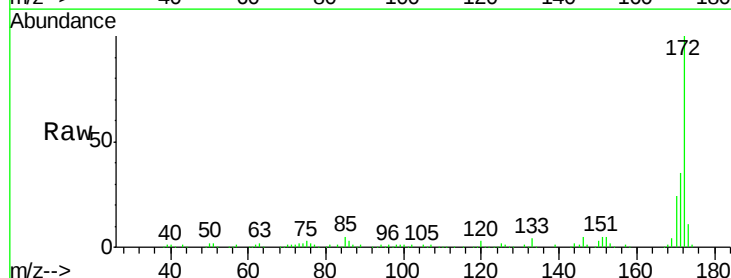


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

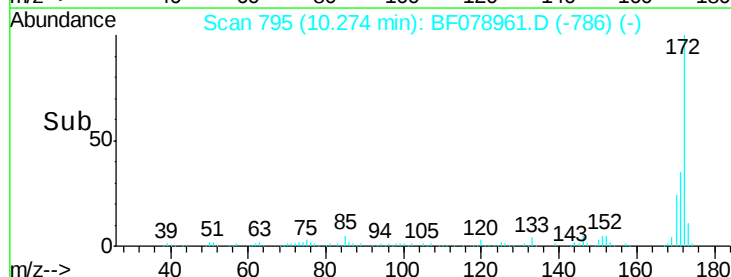
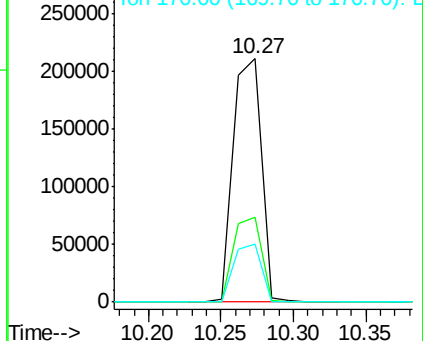


#44
 2-Fluorobiphenyl
 Concen: 26.30 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Tgt Ion: 172 Resp: 285597
 Ion Ratio Lower Upper
 172 100
 171 34.7 27.9 41.9
 170 24.0 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

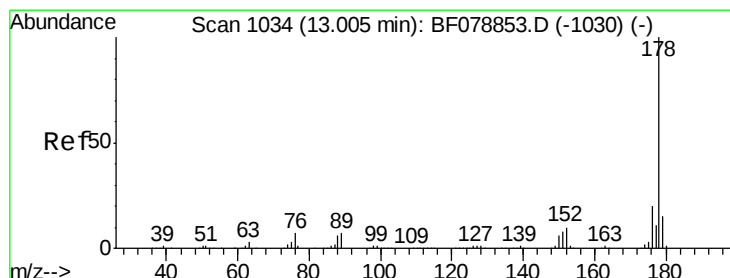
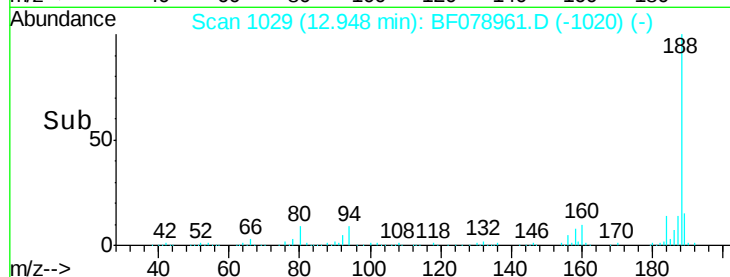
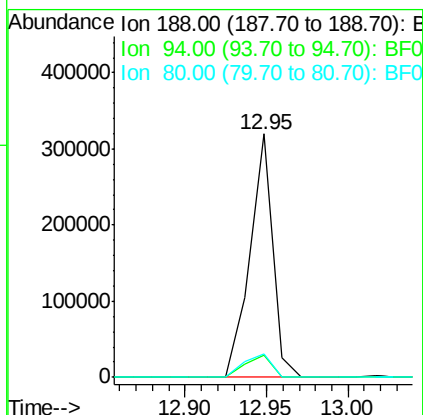
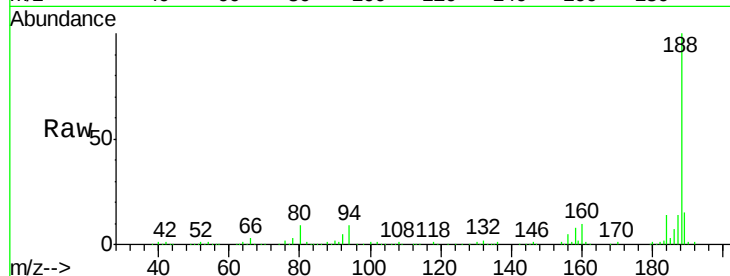




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

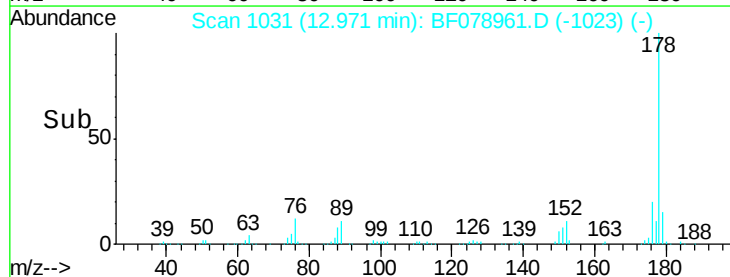
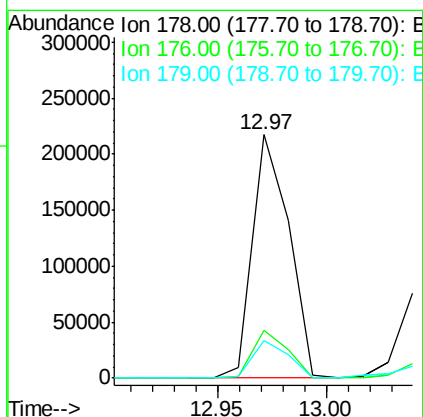
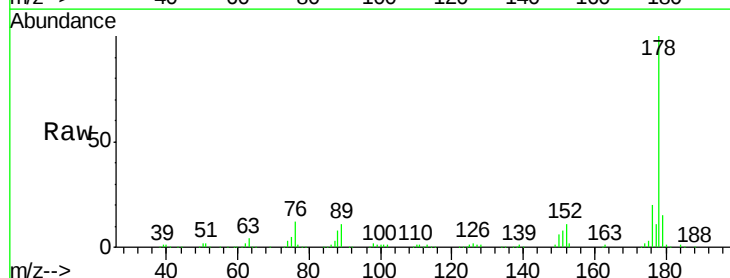
Instrument :
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 ClientSampleId :
 SB-46S

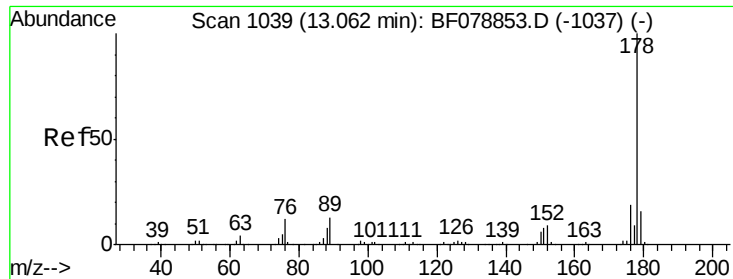
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.2
80	9.4	8.9	13.3



#70
 Phenanthrene
 Concen: 14.65 ng
 RT: 12.97 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.2	12.5	18.7

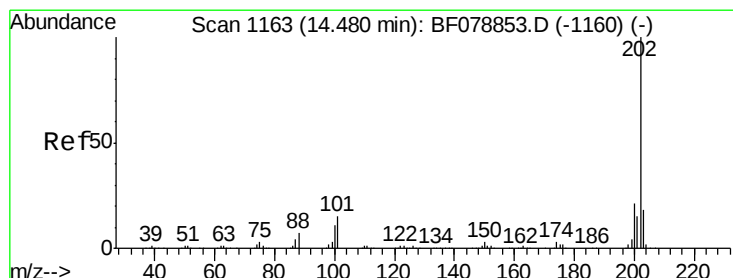
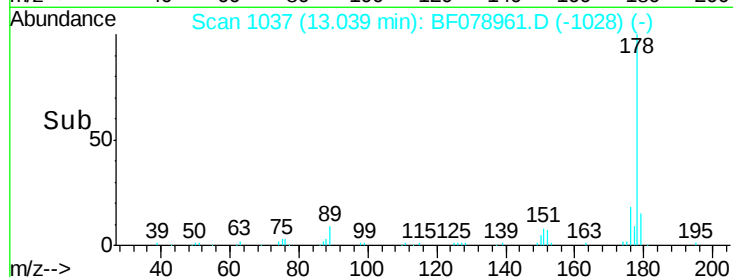
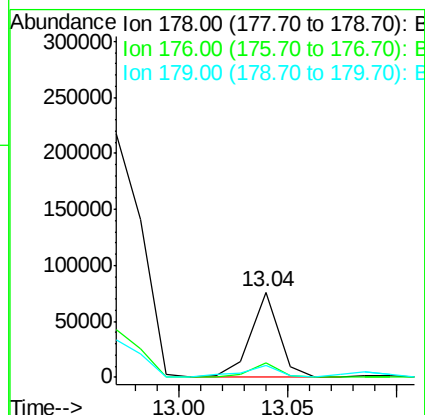
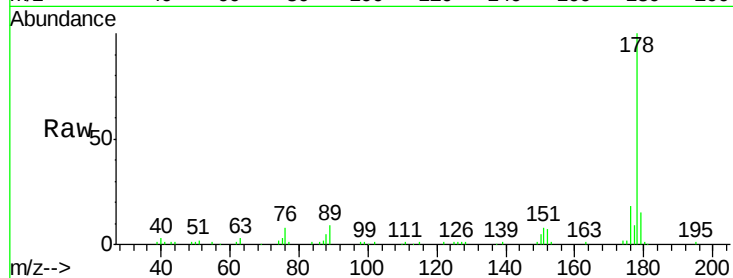




#71
 Anthracene
 Concen: 3.95 ng
 RT: 13.04 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

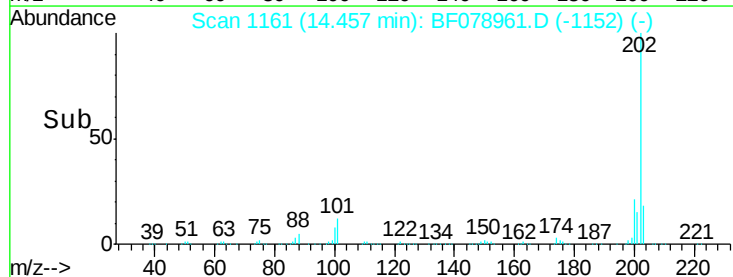
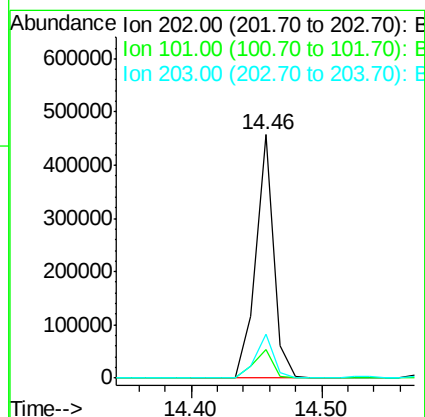
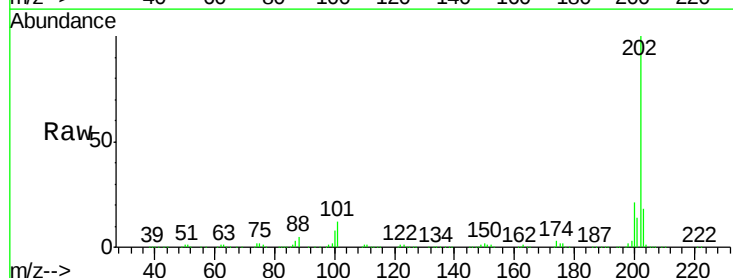
Instrument :
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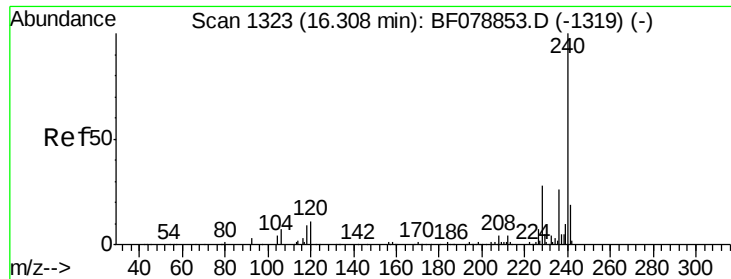
Tgt Ion:178 Resp: 67200
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.5 23.3
 179 14.7 12.7 19.1



#74
 Fluoranthene
 Concen: 24.40 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Tgt Ion:202 Resp: 440528
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 34.6
 203 18.0 0.0 38.4

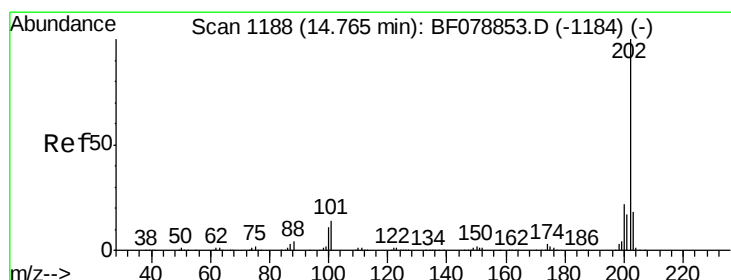
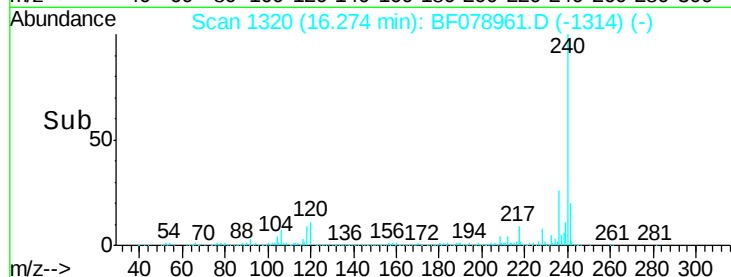
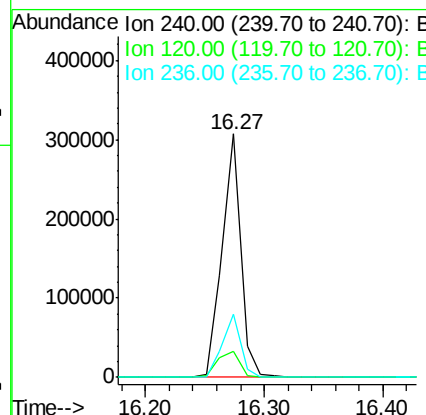
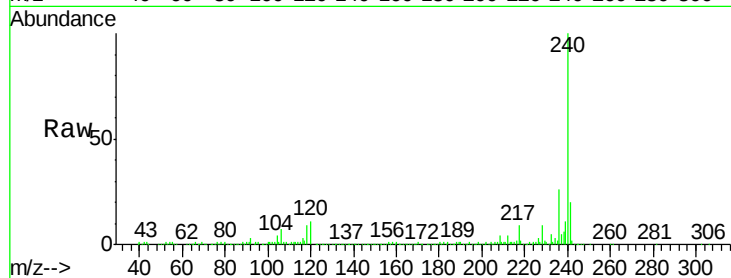




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 1320
Delta R.T. -0.03 min
Lab File: BF078961.D
Acq: 6 May 2015 15:36

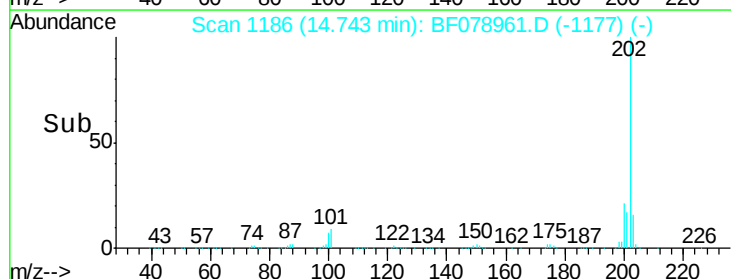
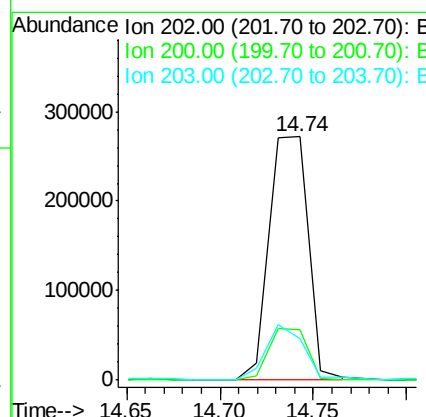
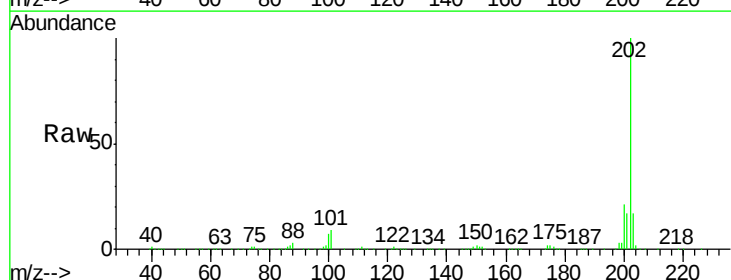
Instrument :
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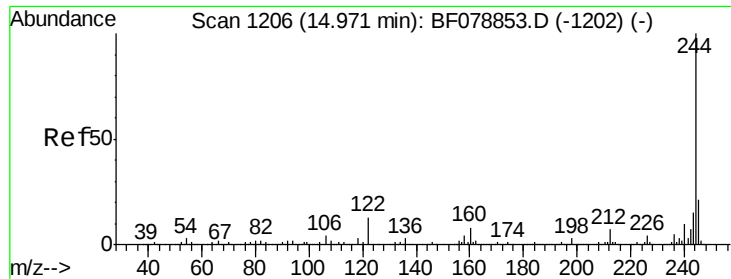
Tgt Ion: 240 Resp: 333991
Ion Ratio Lower Upper
240 100
120 10.7 9.7 14.5
236 26.0 20.2 30.4



#77
Pyrene
Concen: 20.44 ng
RT: 14.74 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF078961.D
Acq: 6 May 2015 15:36

Tgt Ion: 202 Resp: 393389
Ion Ratio Lower Upper
202 100
200 20.8 17.5 26.3
203 17.1 13.9 20.9

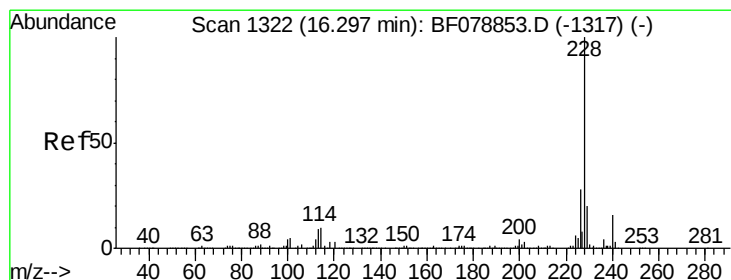
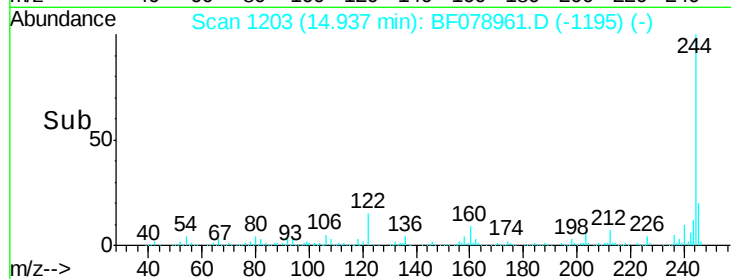
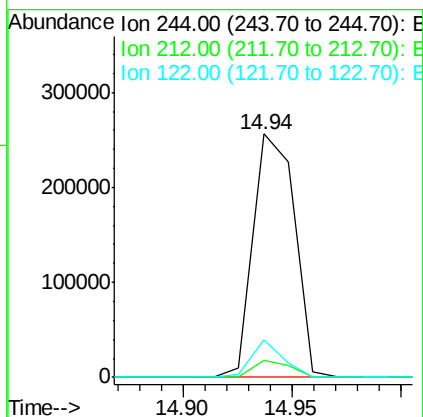
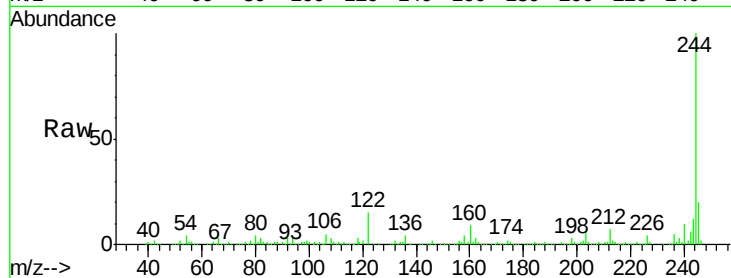




#78
 Terphenyl-d14
 Concen: 24.56 ng
 RT: 14.94 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

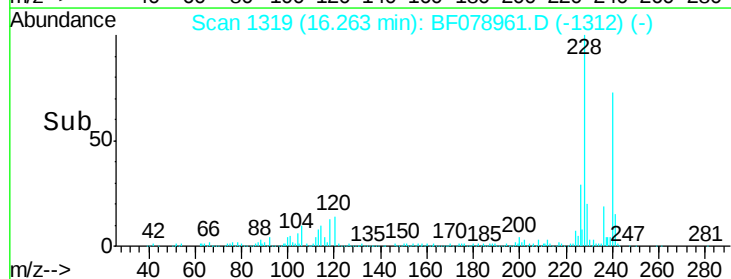
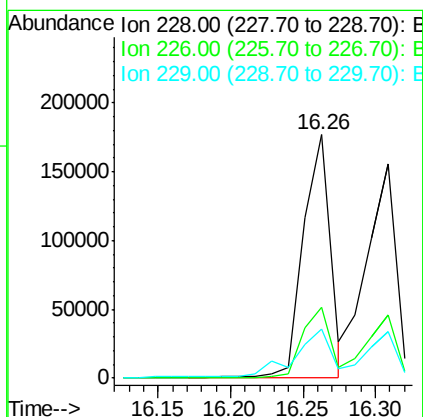
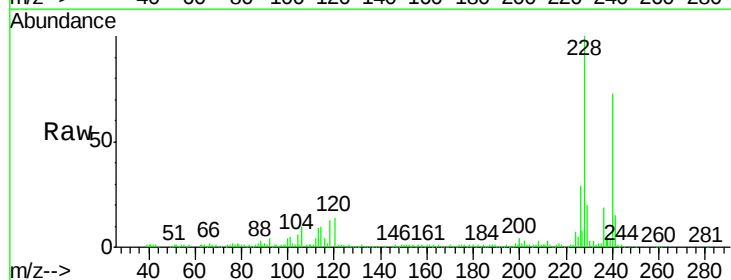
Instrument :
 BNA_F
 ClientSampleId :
 SB-46S

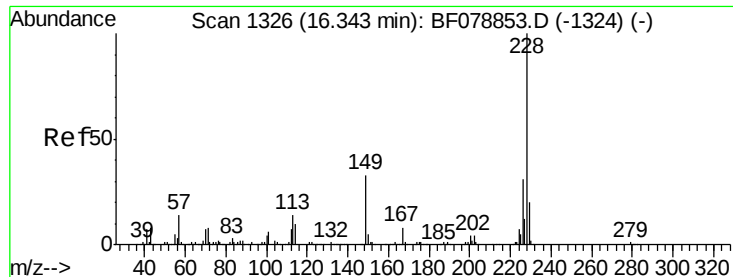
Tgt Ion:244 Resp: 342632
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 15.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 12.39 ng
 RT: 16.26 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Tgt Ion:228 Resp: 226636
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.6 33.8
 229 20.2 15.9 23.9





#82

Chrysene

Concen: 10.62 ng

RT: 16.31 min Scan# 1323

Delta R.T. -0.03 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

ClientSampleId :

SB-46S

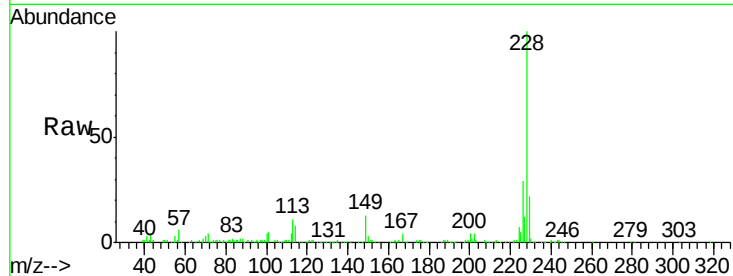
Tgt Ion:228 Resp: 186863

Ion Ratio Lower Upper

228 100

226 29.5 24.9 37.3

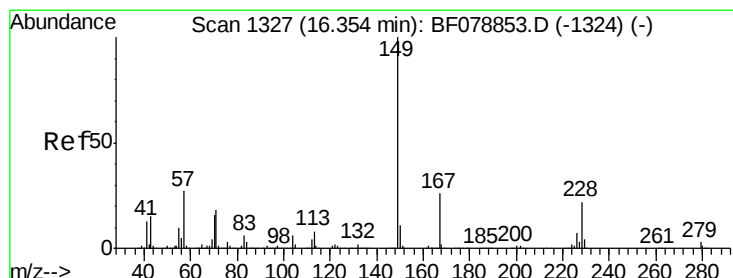
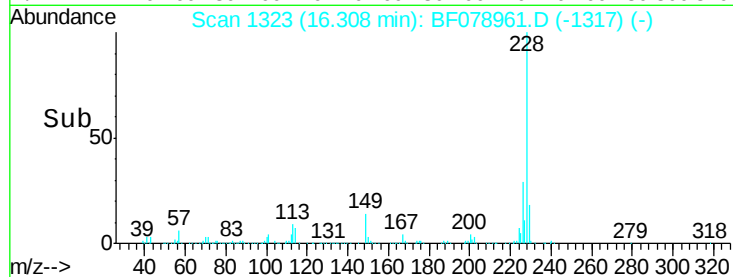
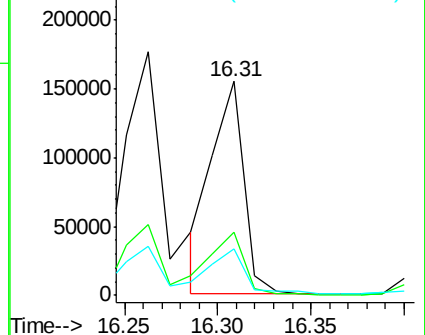
229 21.7 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.55 ng

RT: 16.32 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

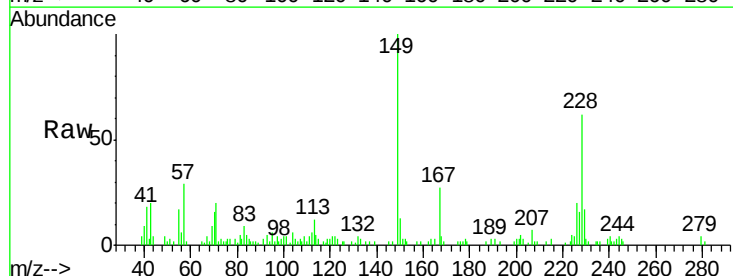
Tgt Ion:149 Resp: 32439

Ion Ratio Lower Upper

149 100

167 27.5 21.8 32.8

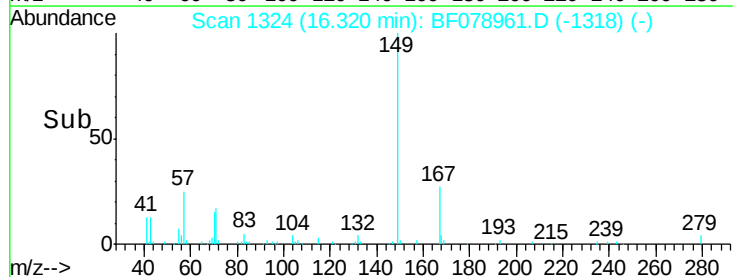
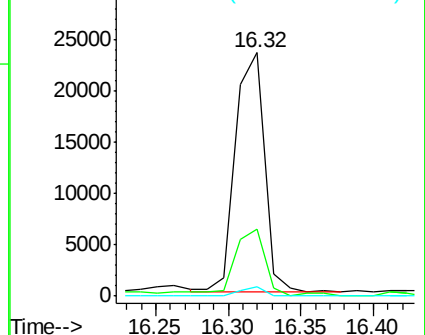
279 3.7 2.9 4.3

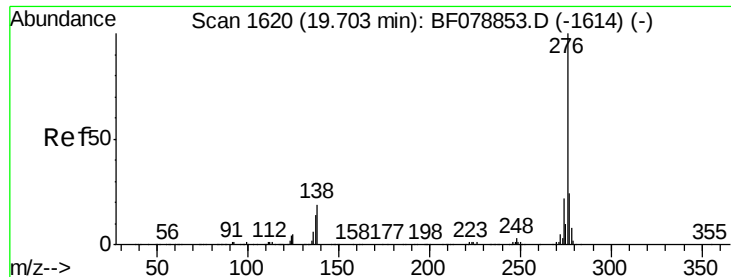


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

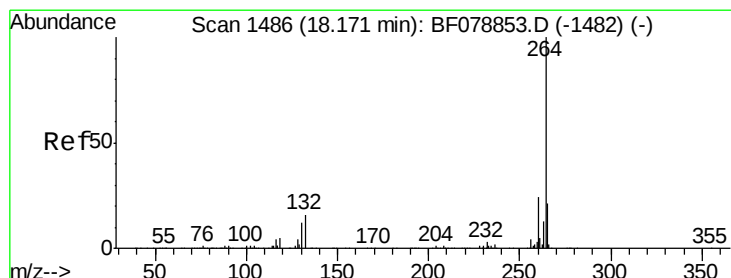
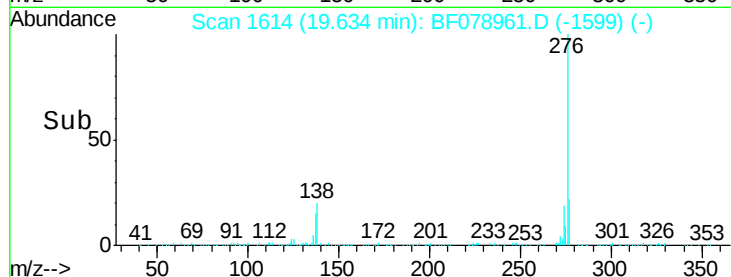
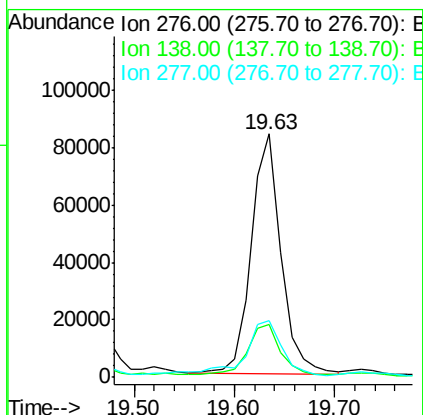
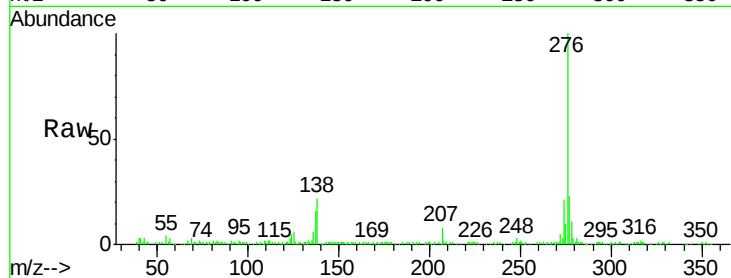




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.70 ng
 RT: 19.63 min Scan# 1614
 Delta R.T. -0.13 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

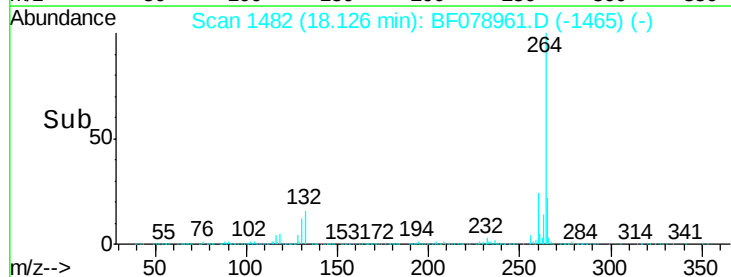
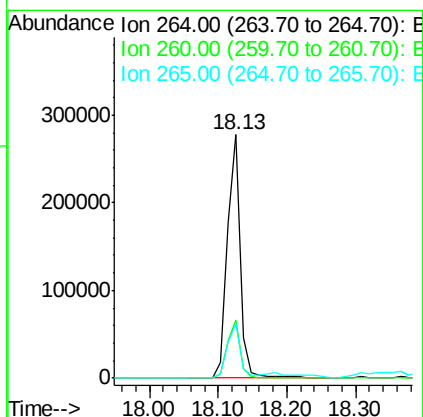
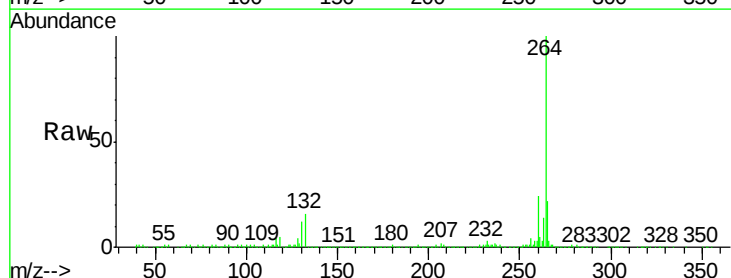
Instrument :
 BNA_F
 ClientSampleId :
 SB-46S

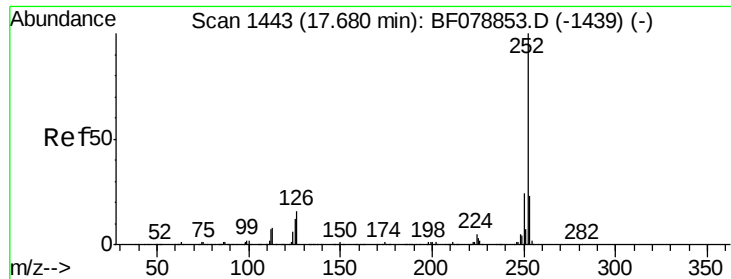
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	0.0	0.0#
277	28.3	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.13 min Scan# 1482
 Delta R.T. -0.10 min
 Lab File: BF078961.D
 Acq: 6 May 2015 15:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.0	18.3	27.5

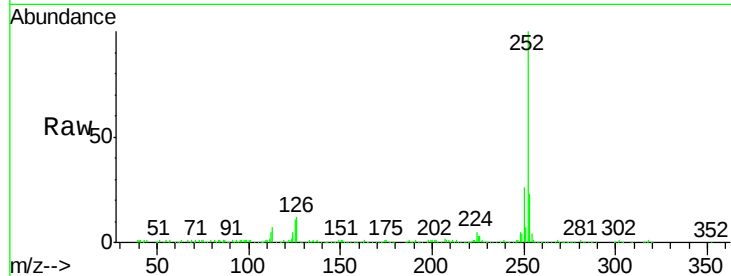




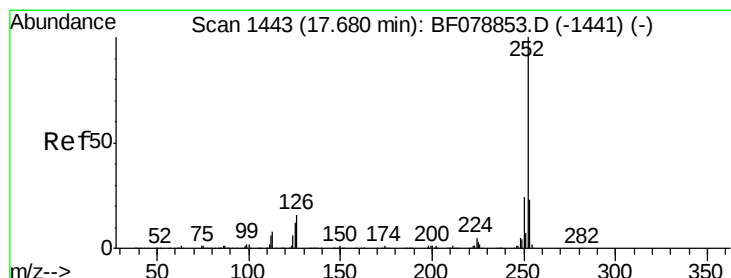
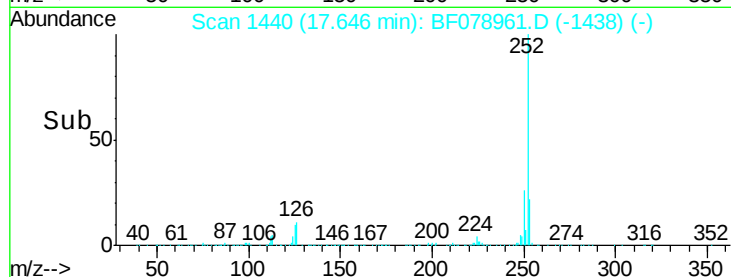
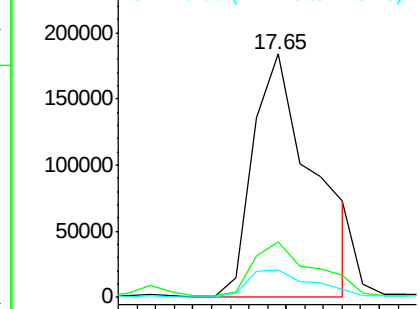
#87
Benzo(b)fluoranthene
Concen: 20.11 ng
RT: 17.65 min Scan# 1440
Delta R.T. -0.08 min
Lab File: BF078961.D
Acq: 6 May 2015 15:36

Instrument :
BNA_F
ClientSampleId :
SB-46S

Tgt Ion:252 Resp: 408988
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 11.1 9.5 14.3

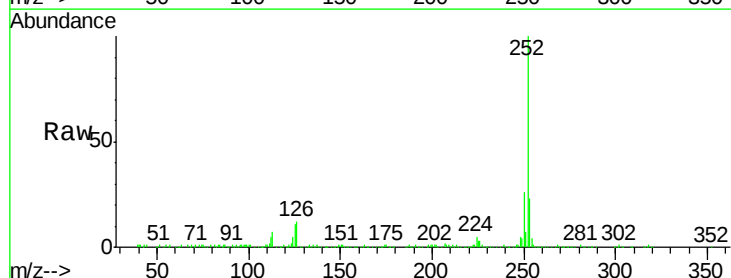


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

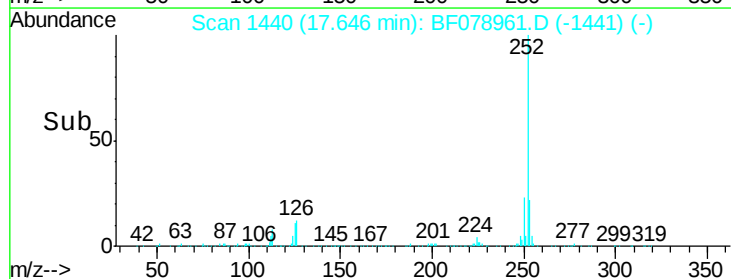
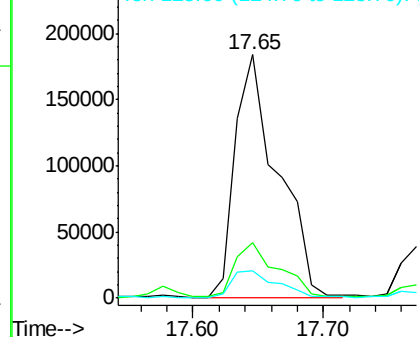


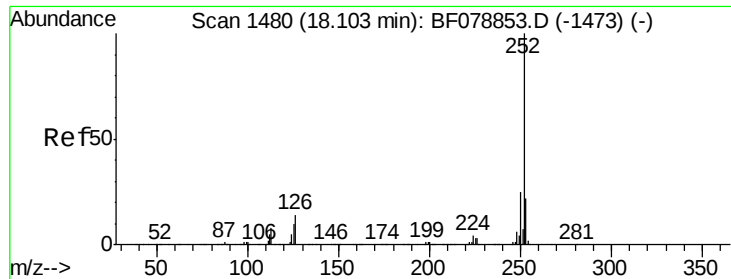
#88
Benzo(k)fluoranthene
Concen: 21.23 ng
RT: 17.65 min Scan# 1440
Delta R.T. -0.11 min
Lab File: BF078961.D
Acq: 6 May 2015 15:36

Tgt Ion:252 Resp: 417896
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 11.1 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: 12.47 ng

RT: 18.06 min Scan# 1476

Delta R.T. -0.09 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

Instrument :

BNA_F

ClientSampleId :

SB-46S

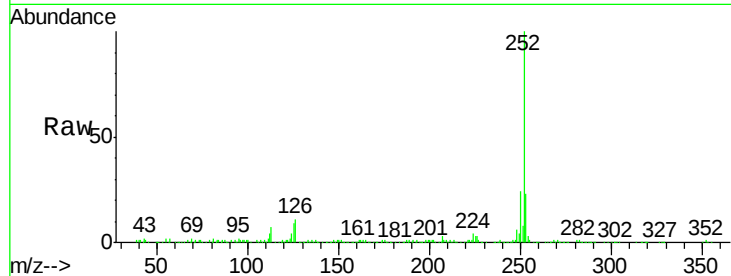
Tgt Ion:252 Resp: 233400

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

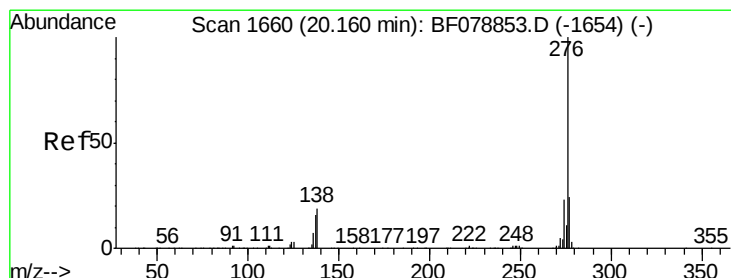
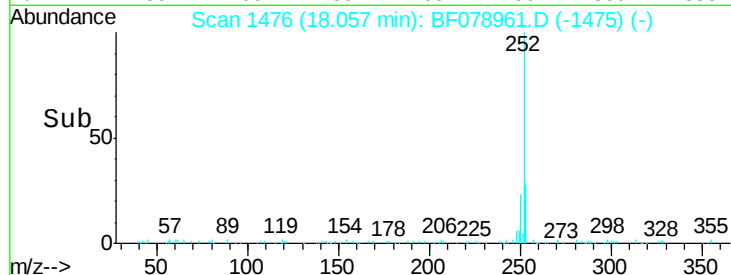
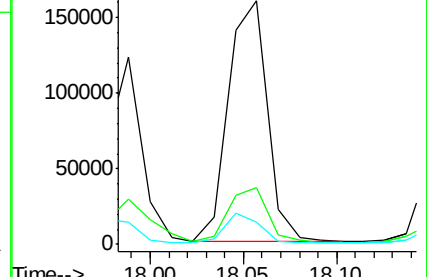
125 8.9 7.0 10.6



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(g,h,i)perylene

Concen: 8.89 ng

RT: 20.08 min Scan# 1653

Delta R.T. -0.13 min

Lab File: BF078961.D

Acq: 6 May 2015 15:36

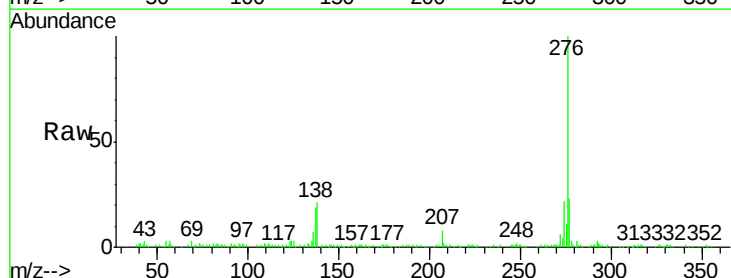
Tgt Ion:276 Resp: 177251

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 20.6 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

