

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078960.D
 Acq On : 6 May 2015 15:08
 Operator : TP/IZ
 Sample : G2116-08 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-54S

Quant Time: May 07 01:08:34 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	84076	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	348193	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	162276	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	326647	20.00	ng	0.00
75) Chrysene-d12	16.29	240	342299	20.00	ng	-0.02
86) Perylene-d12	18.16	264	386884	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	225841	46.24	ng	0.01
7) Phenol-d6	6.89	99	300146	46.49	ng	0.00
23) Nitrobenzene-d5	8.03	82	177814	29.35	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	83850	47.76	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	345184	29.64	ng	0.00
78) Terphenyl-d14	14.95	244	397159	27.78	ng	0.00

Target Compounds

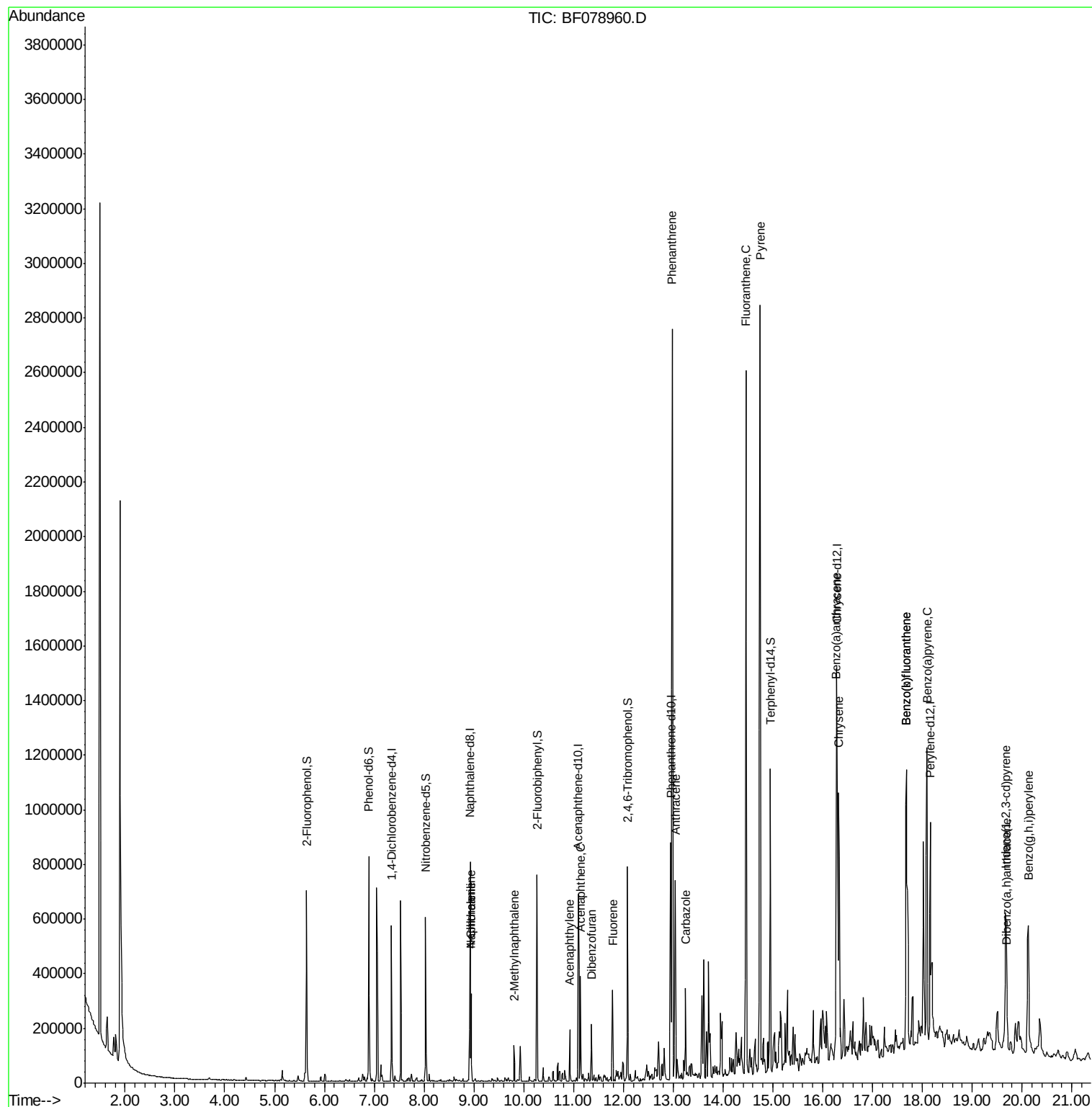
						Qvalue
31) Naphthalene	8.95	128	135729	8.18	ng	99
33) 4-Chloroaniline	8.95	127	16958	2.42	ng	# 34
37) 2-Methylnaphthalene	9.80	142	43256	3.76	ng	98
48) Acenaphthylene	10.92	152	71648	4.34	ng	98
51) Acenaphthene	11.14	154	85719	8.70	ng	99
54) Dibenzofuran	11.36	168	91861	6.45	ng	96
57) Fluorene	11.78	166	90238	7.72	ng	99
70) Phenanthrene	12.98	178	1212464	66.35	ng	99
71) Anthracene	13.04	178	289966	16.17	ng	99
72) Carbazole	13.25	167	141060	8.26	ng	99
74) Fluoranthene	14.46	202	1334566	70.09	ng	99
77) Pyrene	14.74	202	1215856	61.64	ng	97
80) Benzo(a)anthracene	16.27	228	603818	32.21	ng	96
82) Chrysene	16.32	228	526299	29.19	ng	97
85) Indeno(1,2,3-cd)pyrene	19.67	276	407410	17.74	ng	# 100
87) Benzo(b)fluoranthene	17.68	252	959815	45.33	ng	99
88) Benzo(k)fluoranthene	17.68	252	977991	47.71	ng	99
89) Benzo(a)pyrene	18.09	252	559933	28.72	ng	95
90) Dibenzo(a,h)anthracene	19.69	278	76684	3.70	ng	# 92
91) Benzo(g,h,i)perylene	20.13	276	391890	18.87	ng	99

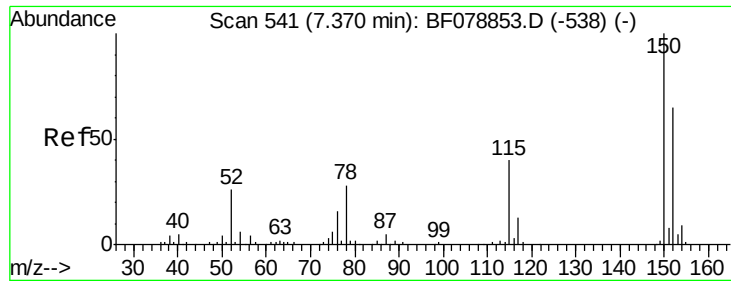
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF078960.D

Acq: 6 May 2015 15:08

Instrument :

BNA_F

ClientSampleId :

SB-54S

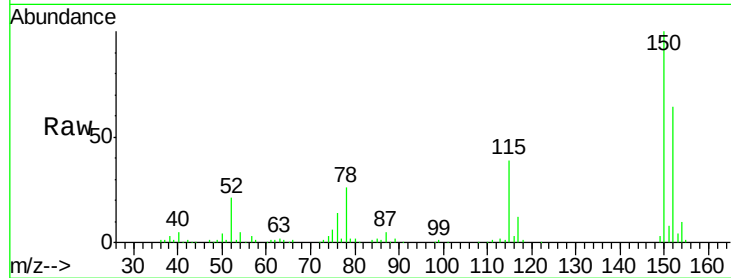
Tgt Ion:152 Resp: 84076

Ion Ratio Lower Upper

152 100

150 156.3 122.0 183.0

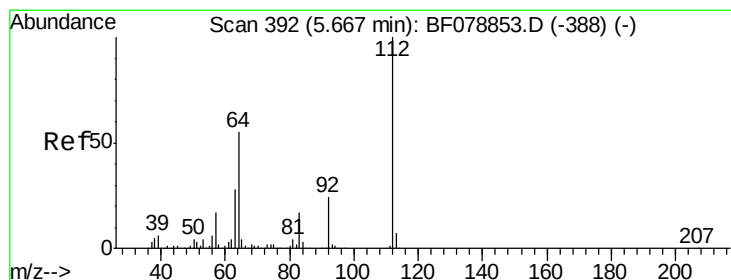
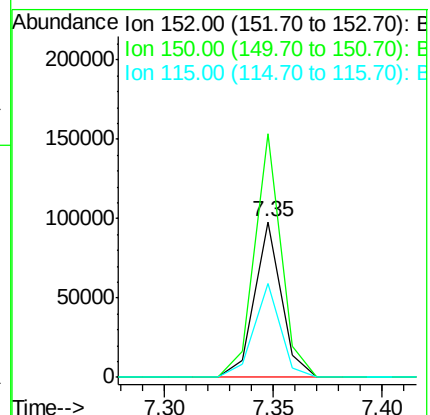
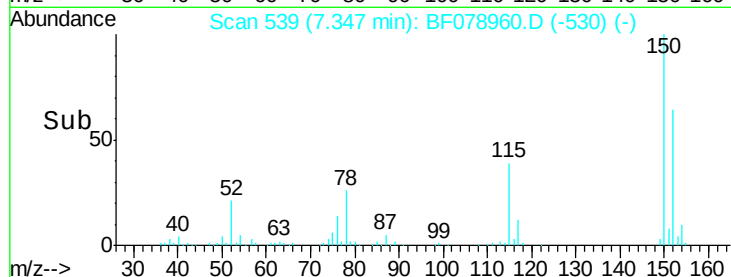
115 60.6 46.3 69.5



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: 46.24 ng

RT: 5.64 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

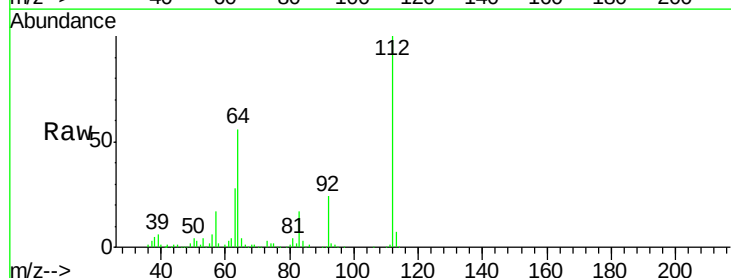
Tgt Ion:112 Resp: 225841

Ion Ratio Lower Upper

112 100

64 55.9 53.5 80.3

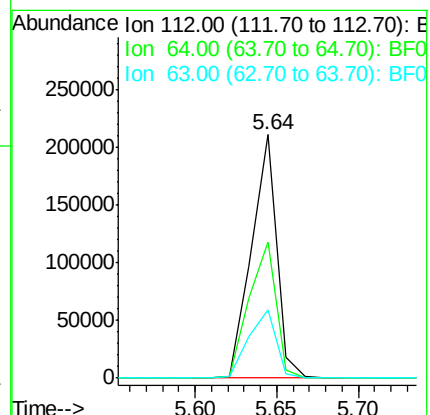
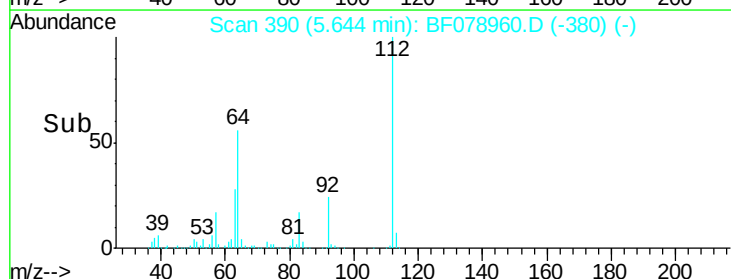
63 28.0 27.5 41.3

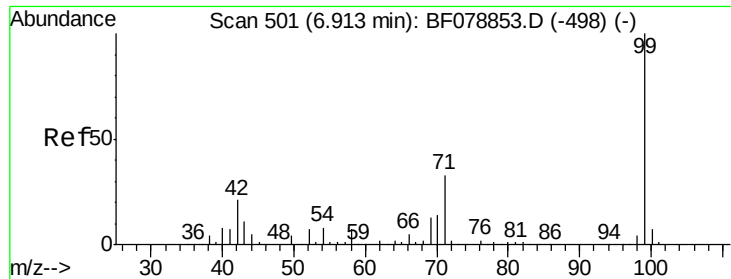


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.49 ng

RT: 6.89 min Scan# 499

Delta R.T. -0.00 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

Instrument :

BNA_F

ClientSampleId :

SB-54S

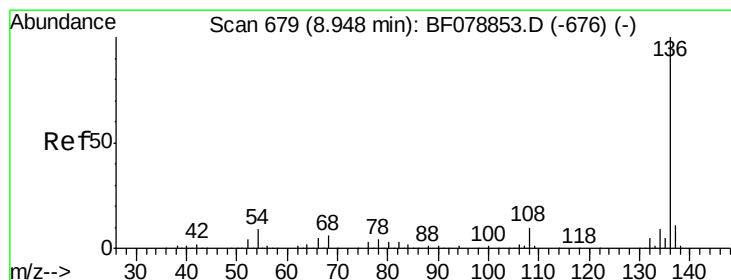
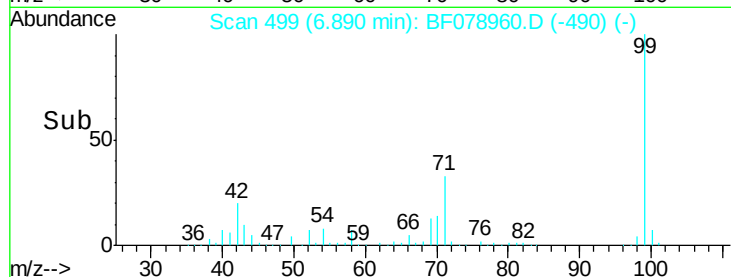
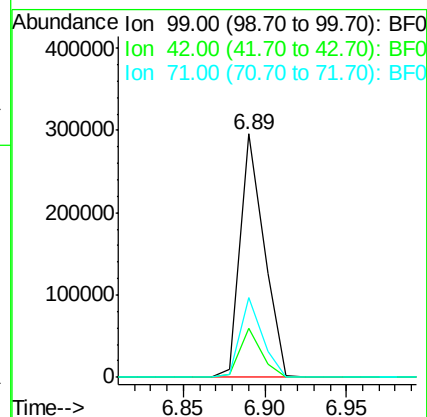
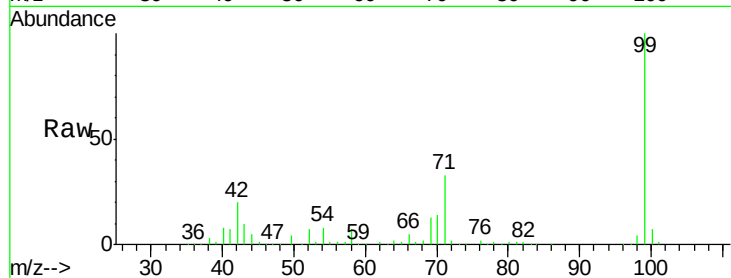
Tgt Ion: 99 Resp: 300146

Ion Ratio Lower Upper

99 100

42 20.2 12.8 19.2#

71 32.6 23.4 35.2



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

Tgt Ion: 136 Resp: 348193

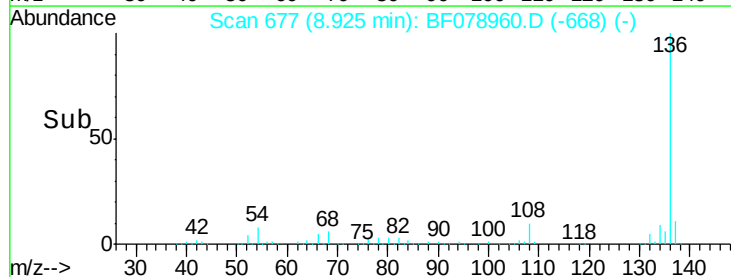
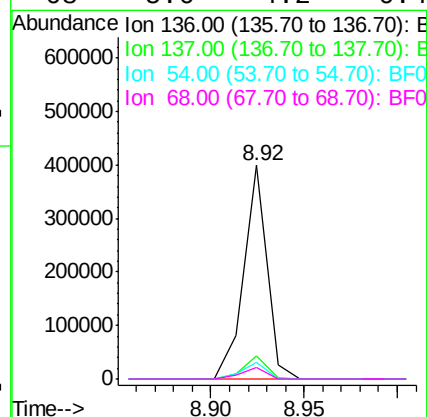
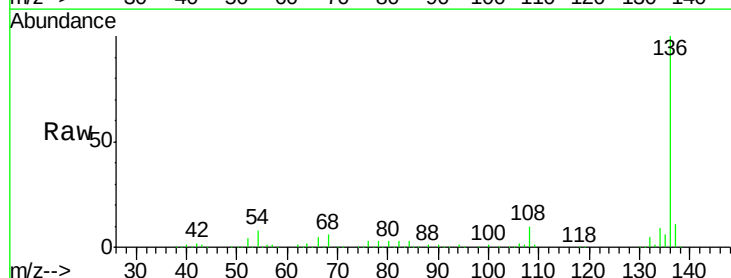
Ion Ratio Lower Upper

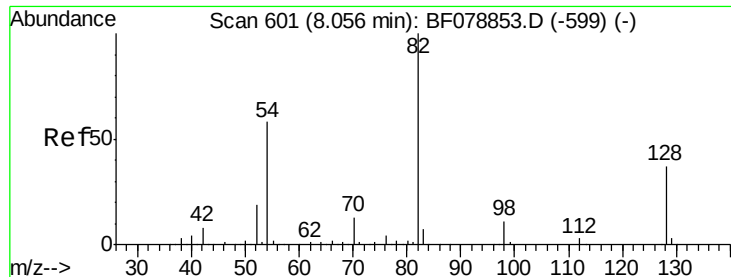
136 100

137 10.8 8.7 13.1

54 7.5 5.8 8.8

68 5.6 4.2 6.4

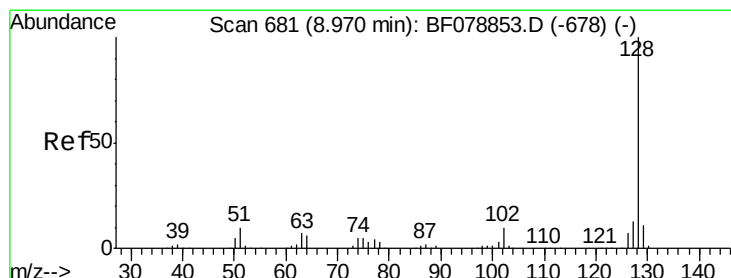
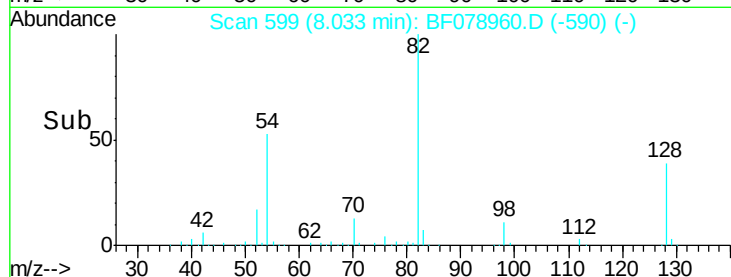
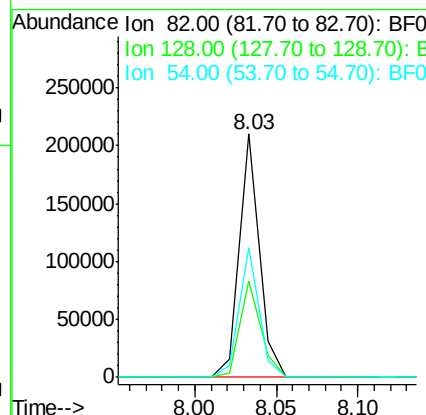
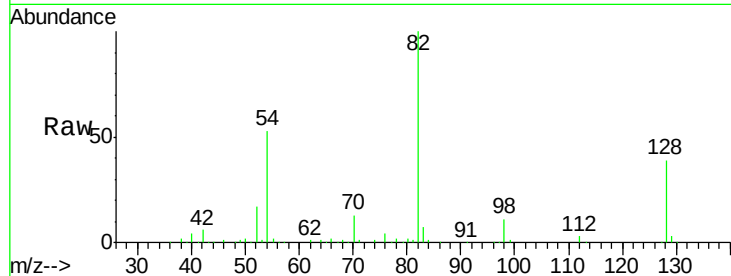




#23
 Nitrobenzene-d5
 Concen: 29.35 ng
 RT: 8.03 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: BF078960.D
 Acq: 6 May 2015 15:08

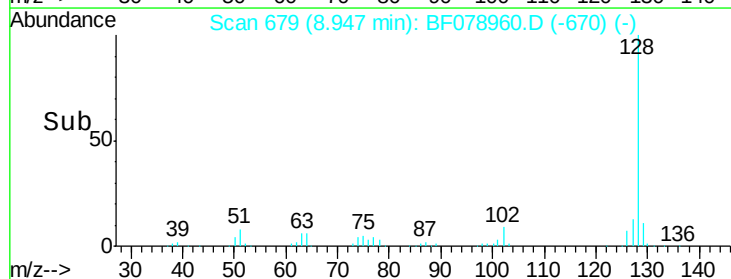
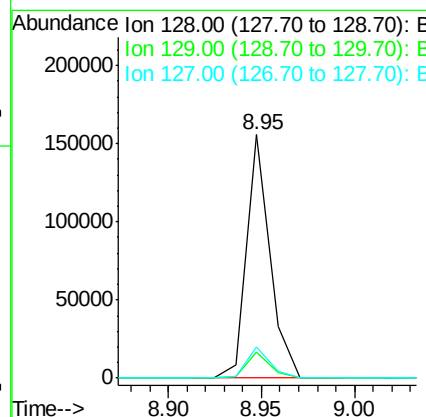
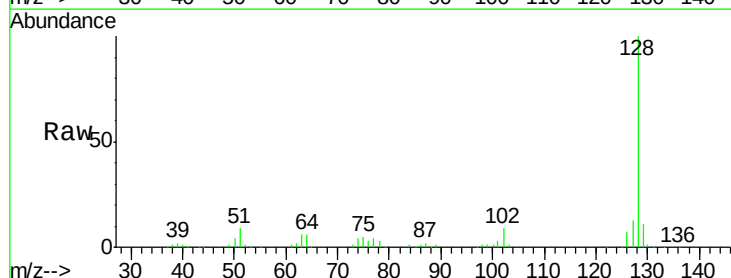
Instrument :
 BNA_F
 ClientSampled :
 SB-54S

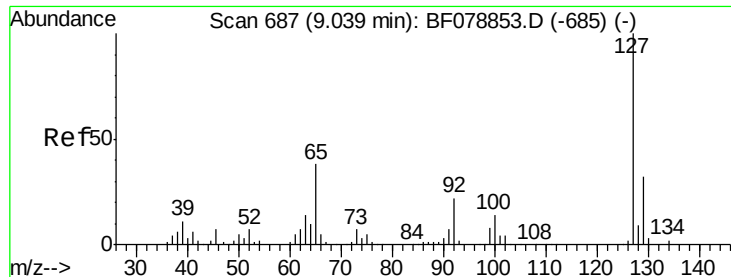
Tgt Ion: 82 Resp: 177814
 Ion Ratio Lower Upper
 82 100
 128 39.5 30.0 45.0
 54 53.0 46.4 69.6



#31
 Naphthalene
 Concen: 8.18 ng
 RT: 8.95 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: BF078960.D
 Acq: 6 May 2015 15:08

Tgt Ion: 128 Resp: 135729
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.3 13.9
 127 13.0 10.7 16.1

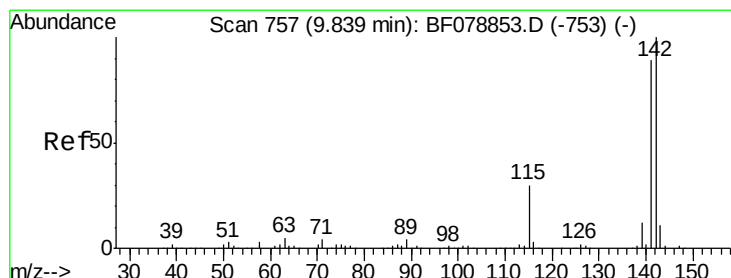
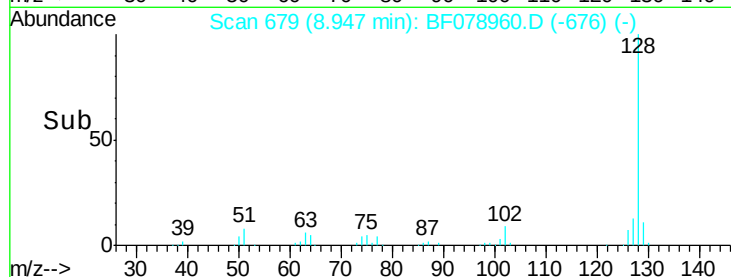
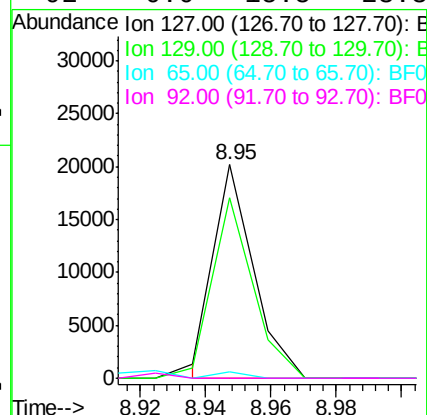
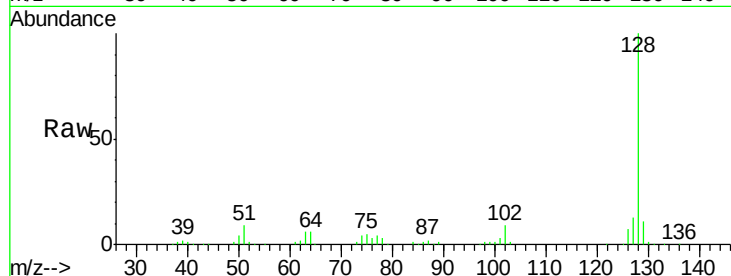




#33
4-Chloroaniline
Concen: 2.42 ng
RT: 8.95 min Scan# 679
Delta R.T. -0.07 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

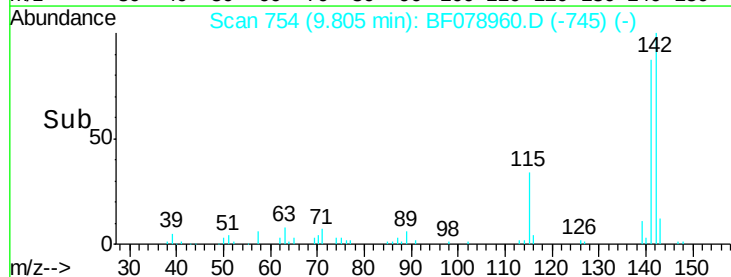
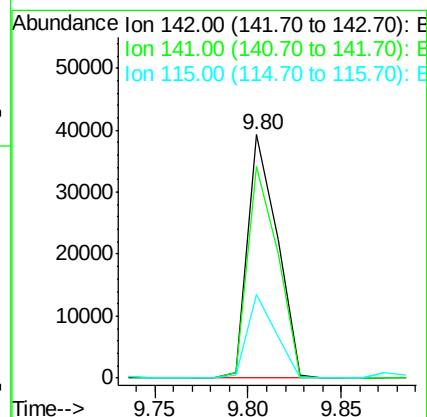
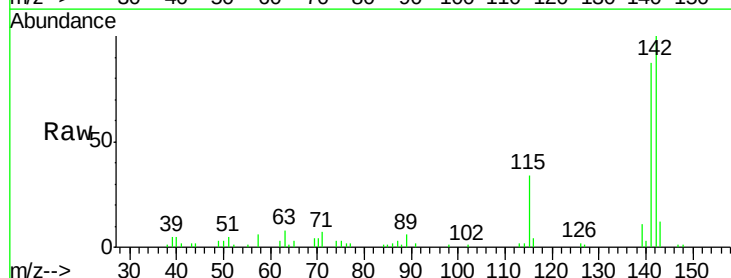
Instrument :
BNA_F
ClientSampleId :
SB-54S

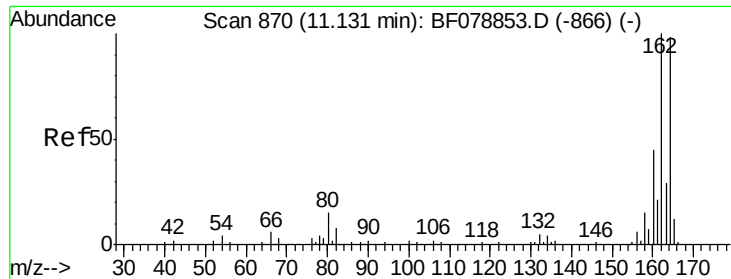
Tgt Ion:	127	Resp:	16958
Ion	Ratio	Lower	Upper
127	100		
129	84.4	25.8	38.8#
65	3.2	25.8	38.6#
92	0.0	15.5	23.3#



#37
2-Methylnaphthalene
Concen: 3.76 ng
RT: 9.80 min Scan# 754
Delta R.T. -0.00 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

Tgt Ion:	142	Resp:	43256
Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.9	106.3
115	34.3	28.5	42.7

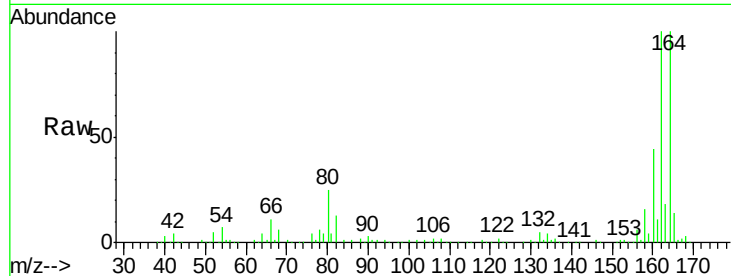




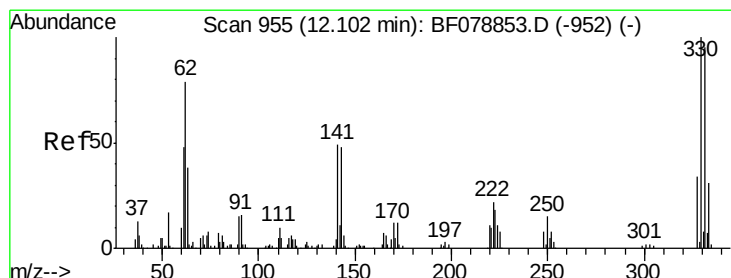
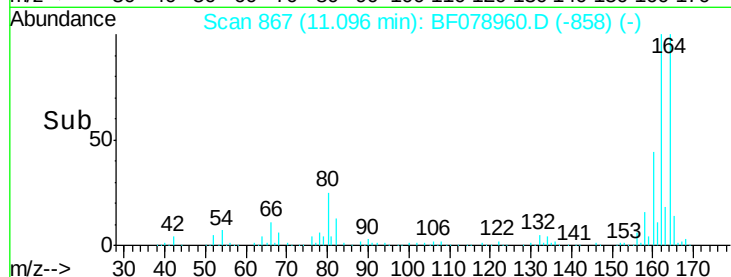
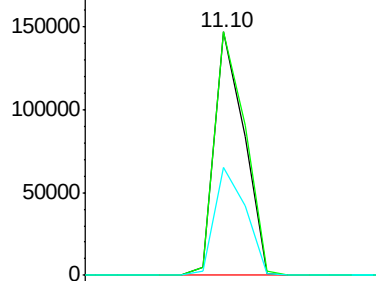
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

Instrument :
BNA_F
ClientSampleId :
SB-54S

Tgt Ion:164 Resp: 162276
Ion Ratio Lower Upper
164 100
162 100.0 82.7 124.1
160 44.5 35.8 53.8

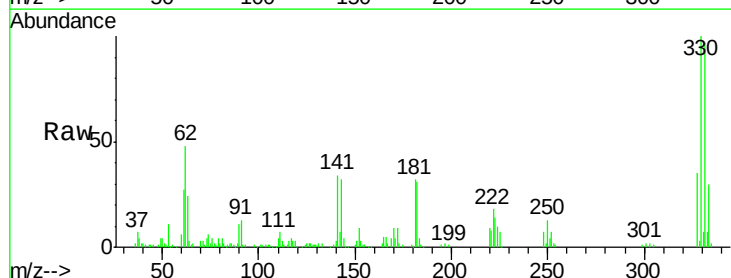


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

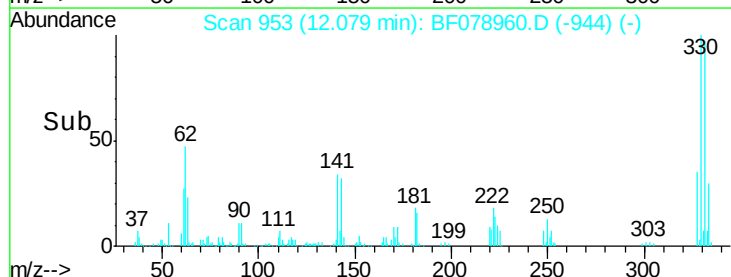
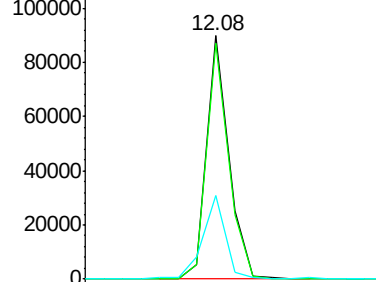


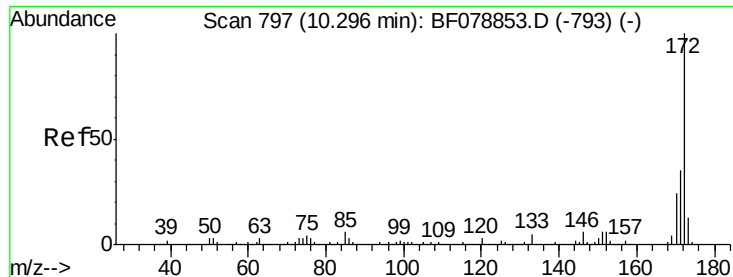
#41
2,4,6-Tribromophenol
Concen: 47.76 ng
RT: 12.08 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

Tgt Ion:330 Resp: 83850
Ion Ratio Lower Upper
330 100
332 96.3 0.0 0.0#
141 36.2 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

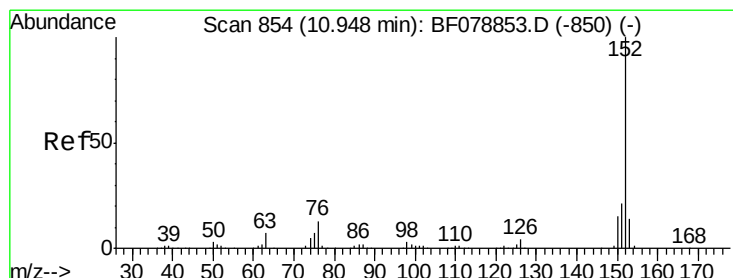
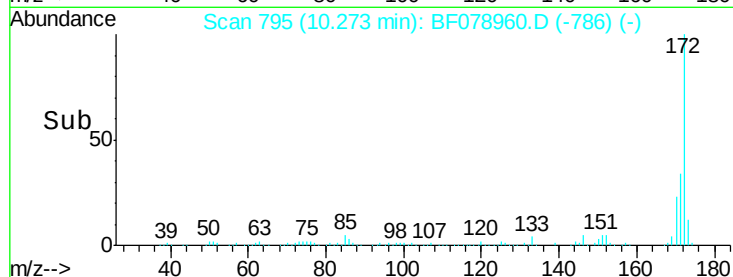
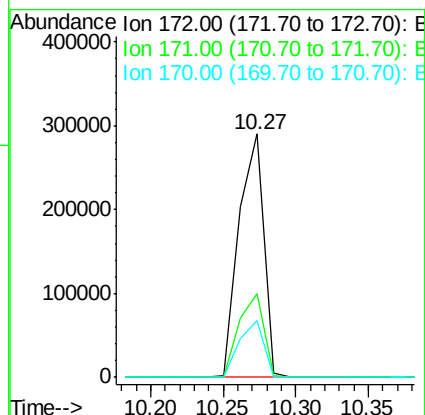
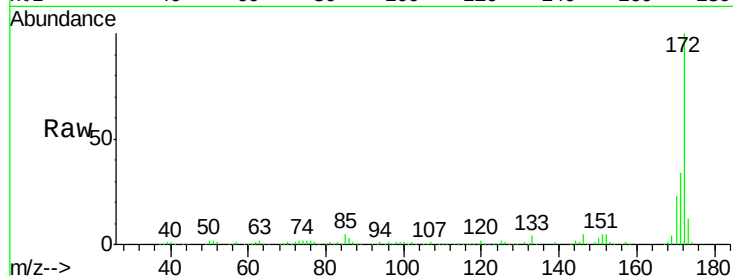




#44
2-Fluorobiphenyl
Concen: 29.64 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

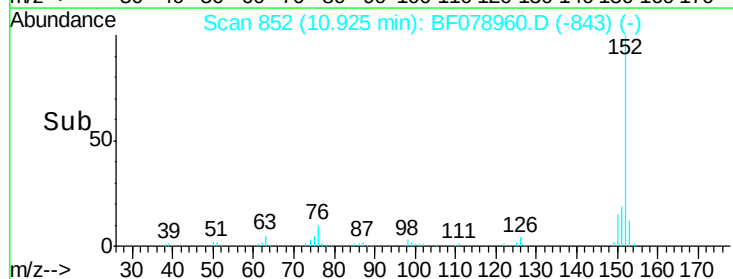
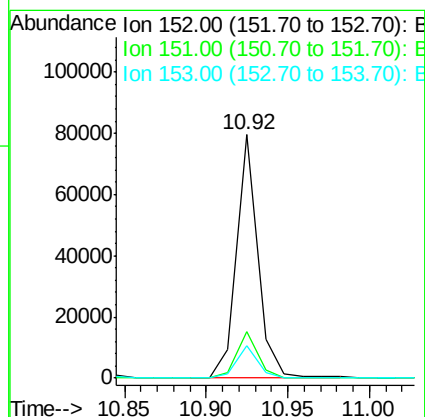
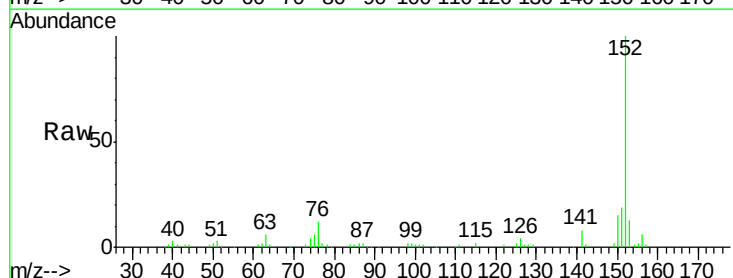
Instrument :
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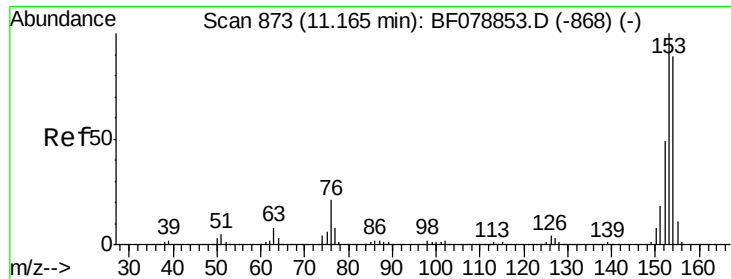
Tgt Ion:172 Resp: 345184
Ion Ratio Lower Upper
172 100
171 34.4 27.9 41.9
170 23.3 19.4 29.0



#48
Acenaphthylene
Concen: 4.34 ng
RT: 10.92 min Scan# 852
Delta R.T. -0.00 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

Tgt Ion:152 Resp: 71648
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 13.3 10.9 16.3

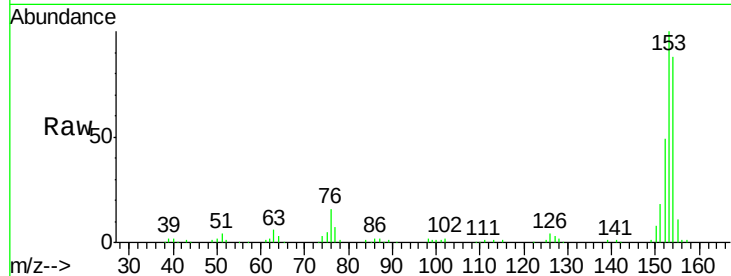




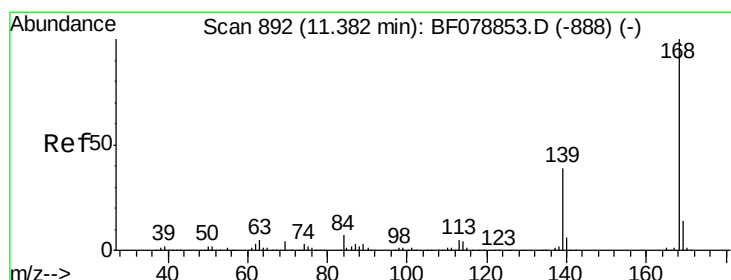
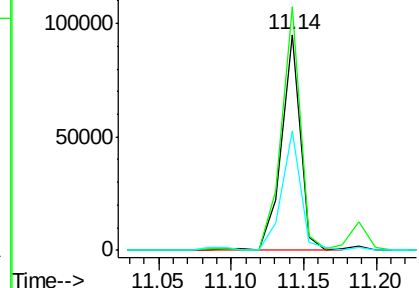
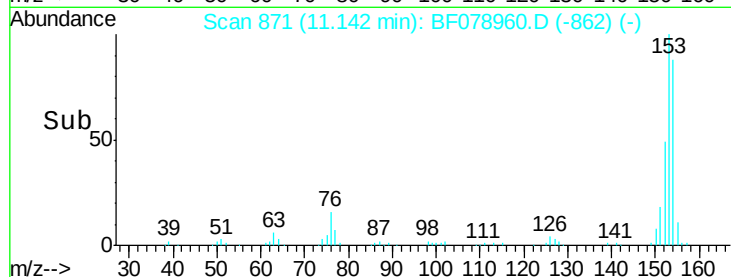
#51
Acenaphthene
Concen: 8.70 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

Instrument :
BNA_F
ClientSampleId :
SB-54S

Tgt Ion:154 Resp: 85719
Ion Ratio Lower Upper
154 100
153 113.0 91.5 137.3
152 55.6 44.2 66.4

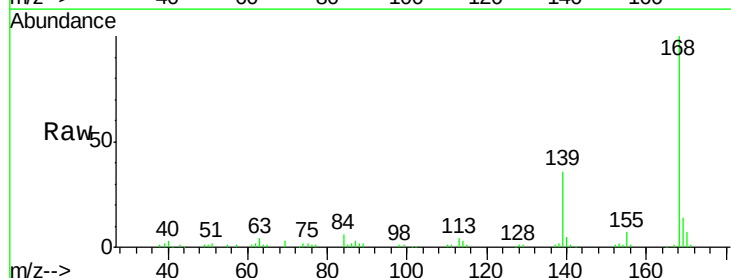


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

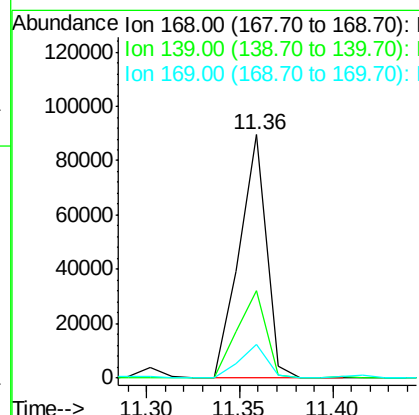
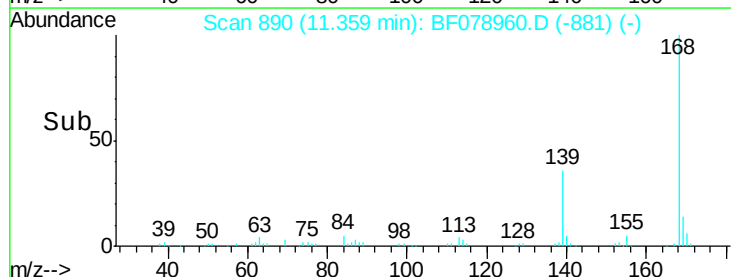


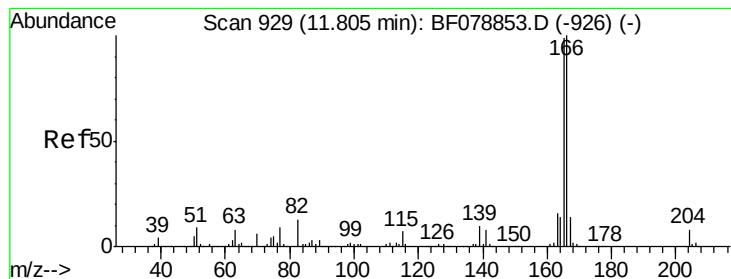
#54
Dibenzofuran
Concen: 6.45 ng
RT: 11.36 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

Tgt Ion:168 Resp: 91861
Ion Ratio Lower Upper
168 100
139 35.9 31.0 46.4
169 14.0 10.6 16.0



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: 7.72 ng

RT: 11.78 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

Instrument :

BNA_F

ClientSampled :

SB-54S

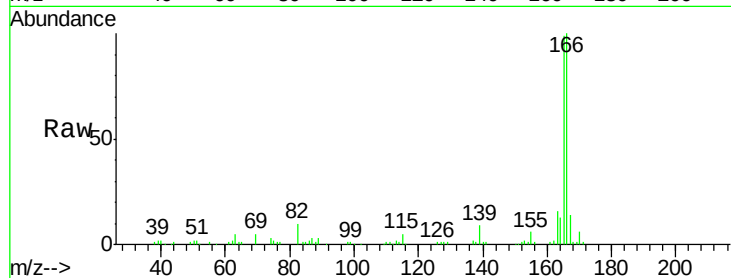
Tgt Ion:166 Resp: 90238

Ion Ratio Lower Upper

166 100

165 98.6 78.5 117.7

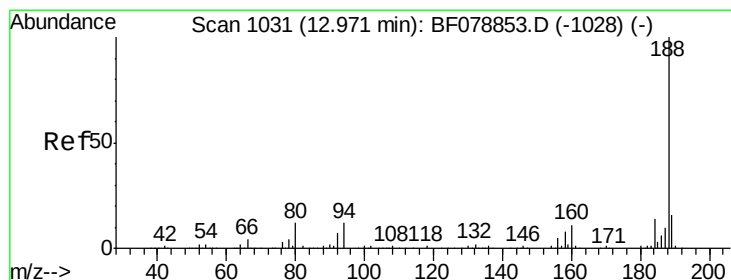
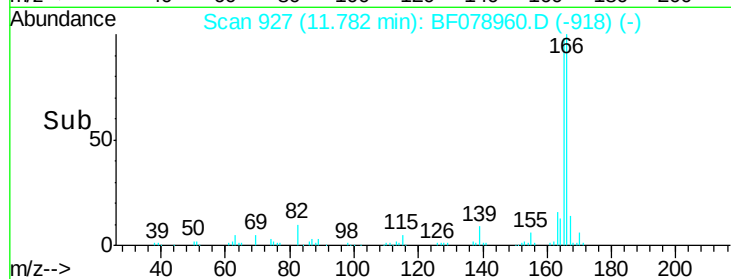
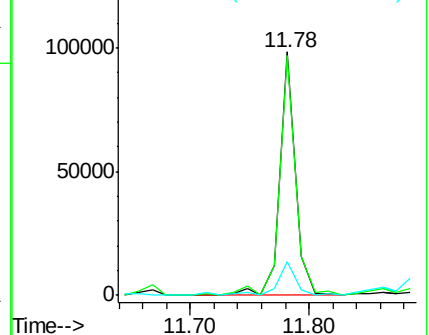
167 14.0 11.0 16.6



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: 12.95 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

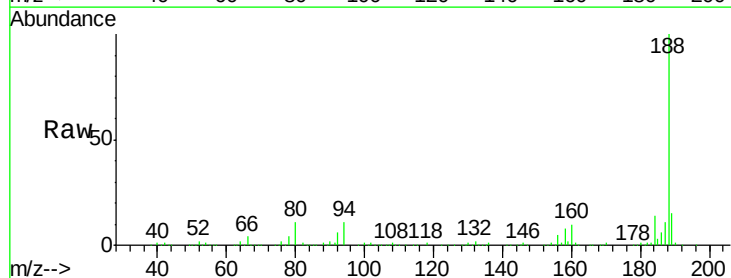
Tgt Ion:188 Resp: 326647

Ion Ratio Lower Upper

188 100

94 10.8 8.2 12.2

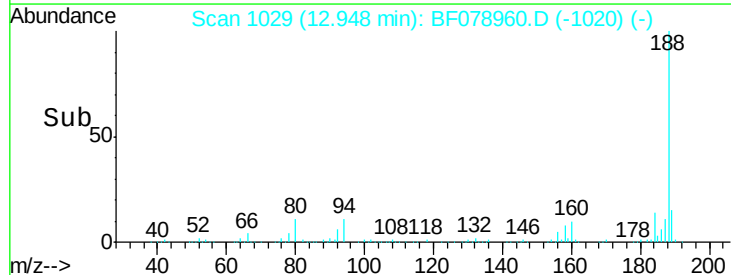
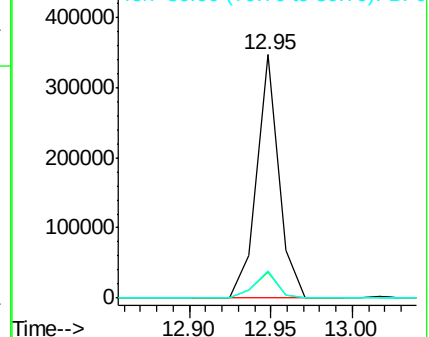
80 11.3 8.9 13.3

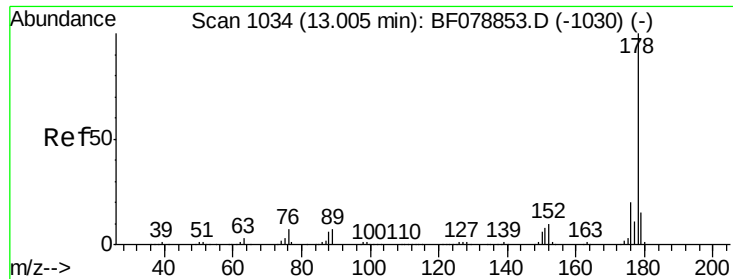


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

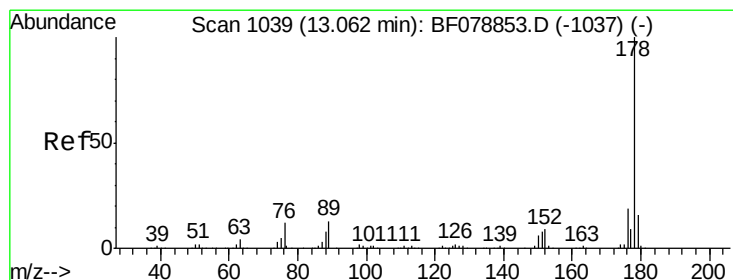
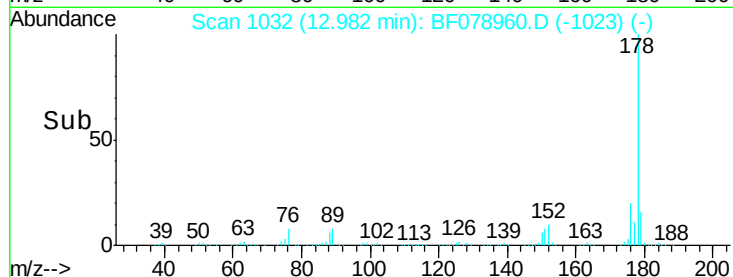
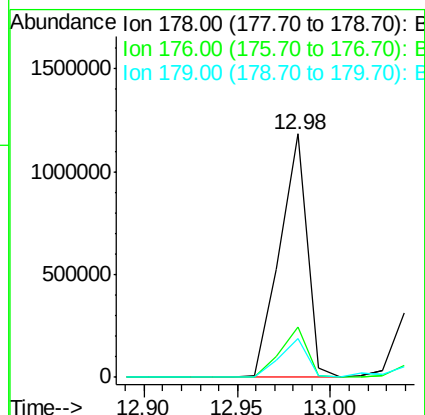
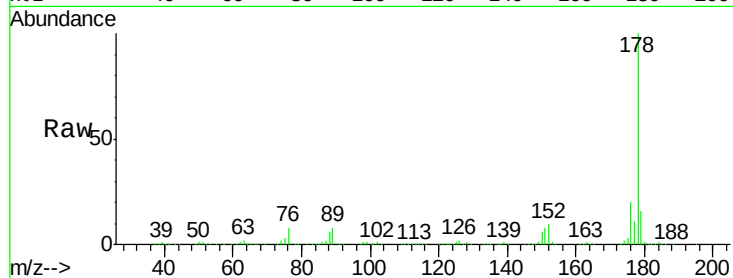




#70
Phenanthrene
Concen: 66.35 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

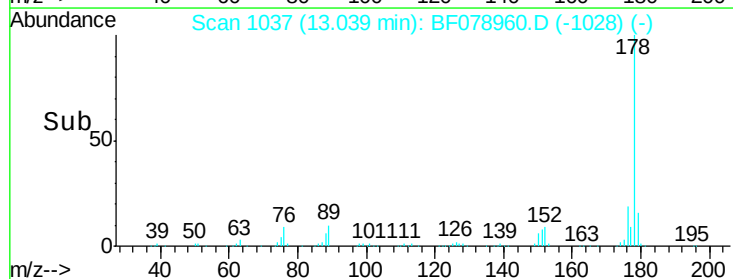
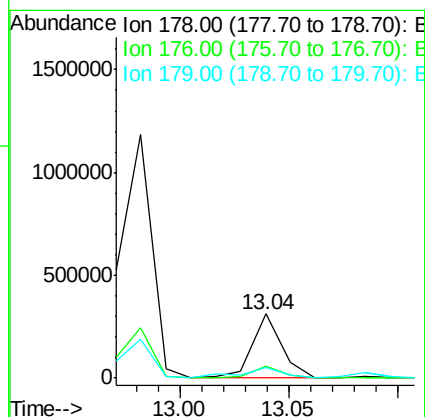
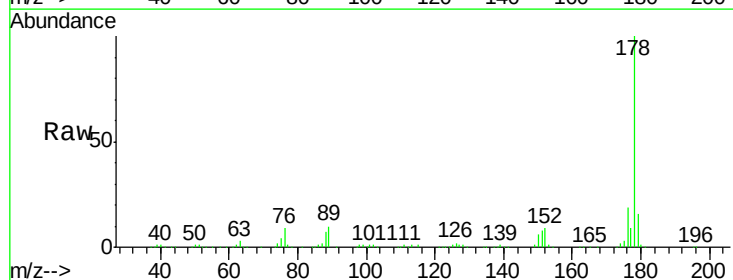
Instrument :
BNA_F
ClientSampleId :
SB-54S

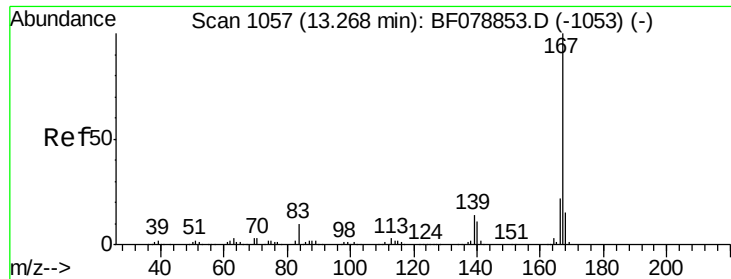
Tgt Ion:178 Resp: 1212464
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 16.0 12.5 18.7



#71
Anthracene
Concen: 16.17 ng
RT: 13.04 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

Tgt Ion:178 Resp: 289966
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.8 12.7 19.1





#72

Carbazole

Concen: 8.26 ng

RT: 13.25 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

Instrument :

BNA_F

ClientSampleId :

SB-54S

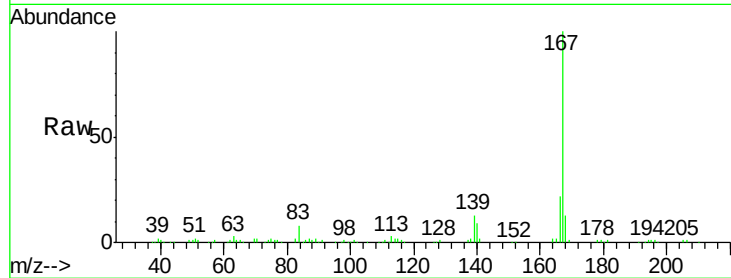
Tgt Ion:167 Resp: 141060

Ion Ratio Lower Upper

167 100

166 21.7 17.8 26.8

139 12.7 10.6 16.0



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

13.25

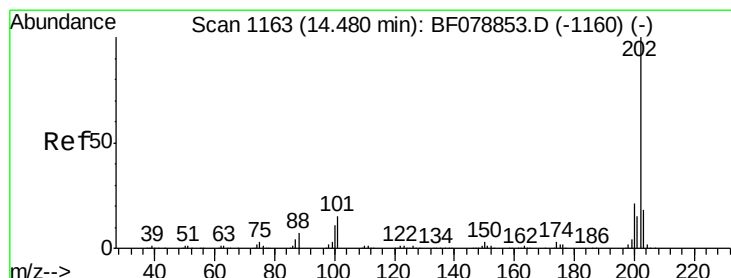
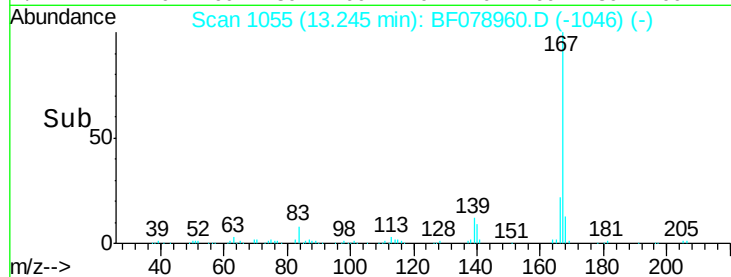
150000

100000

50000

0

Time-->



#74

Fluoranthene

Concen: 70.09 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

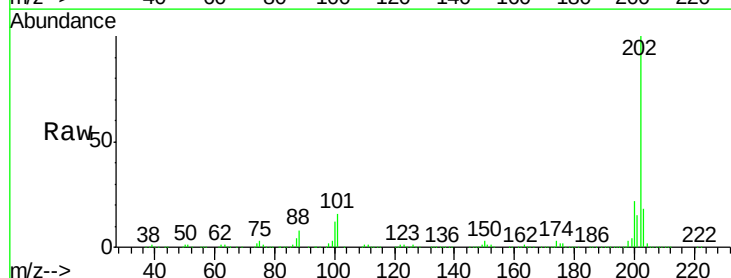
Tgt Ion:202 Resp: 1334566

Ion Ratio Lower Upper

202 100

101 15.8 0.0 34.6

203 18.5 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

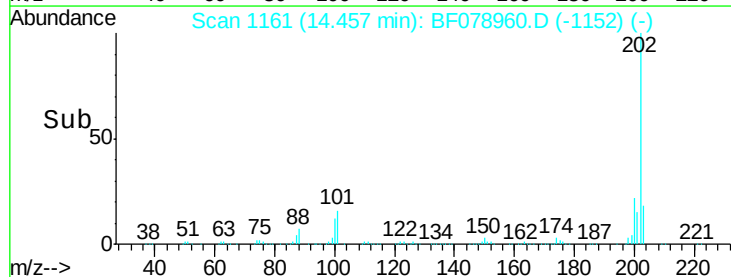
14.46

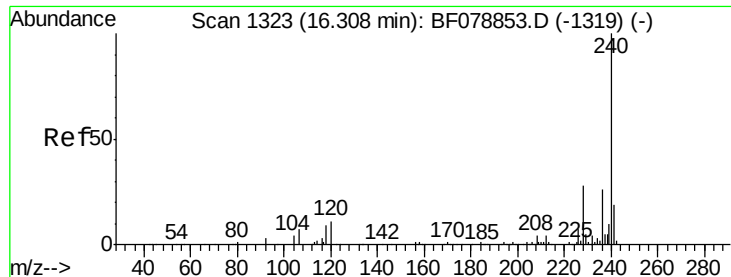
1000000

500000

0

Time-->

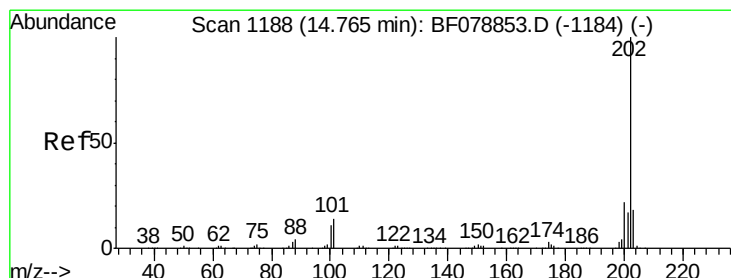
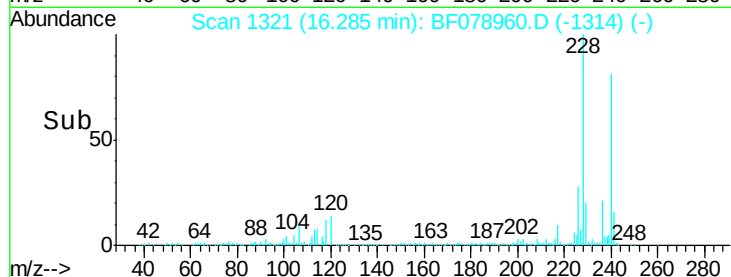
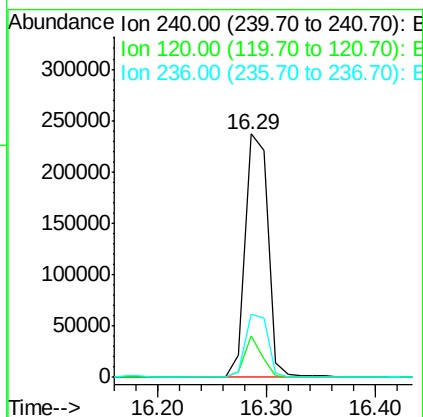
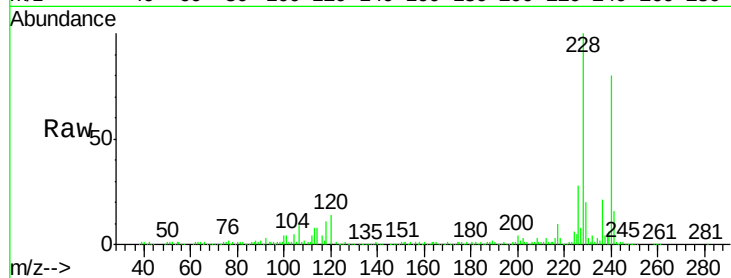




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.29 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

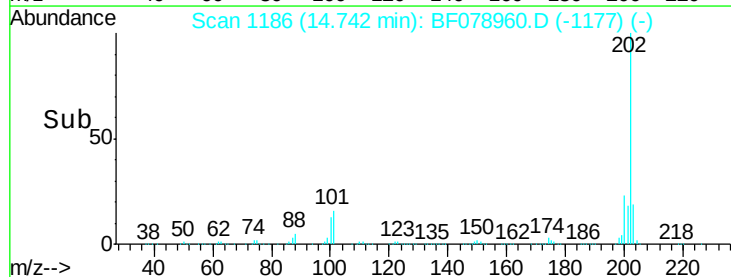
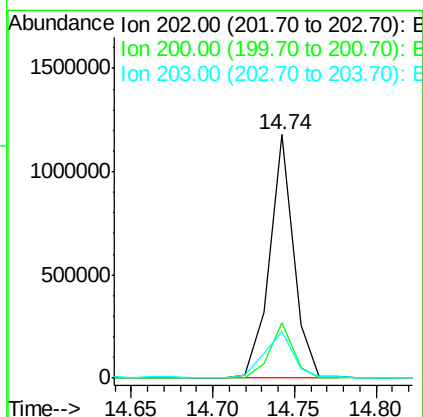
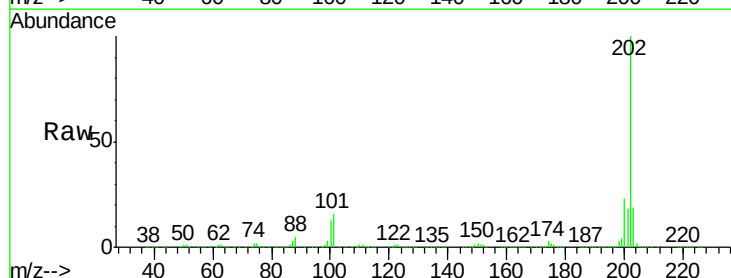
Instrument :
BNA_F
ClientSampleId :
SB-54S

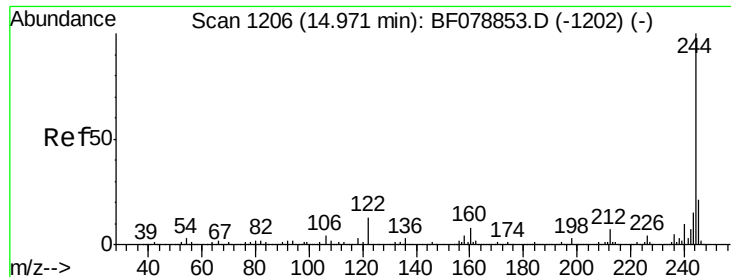
Tgt Ion:240 Resp: 342299
Ion Ratio Lower Upper
240 100
120 17.1 9.7 14.5#
236 26.0 20.2 30.4



#77
Pyrene
Concen: 61.64 ng
RT: 14.74 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

Tgt Ion:202 Resp: 1215856
Ion Ratio Lower Upper
202 100
200 22.6 17.5 26.3
203 19.3 13.9 20.9

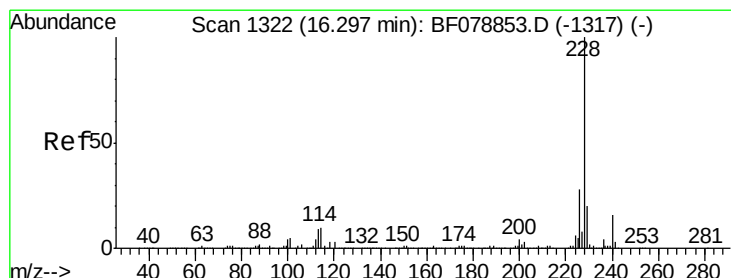
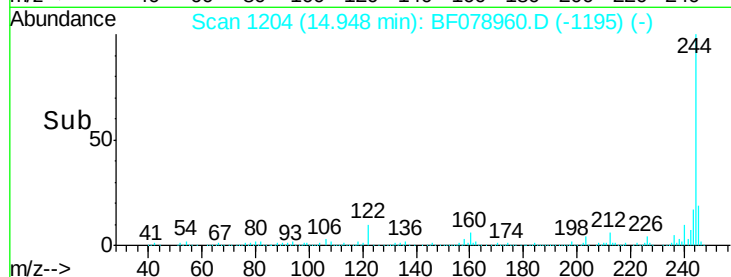
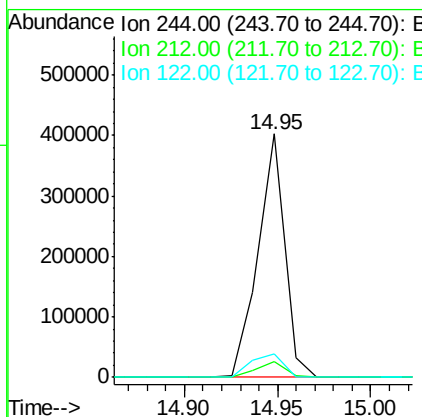
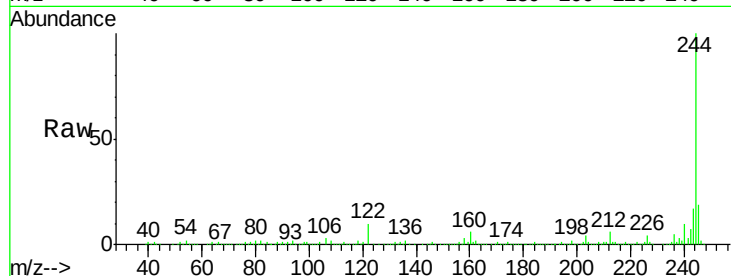




#78
 Terphenyl-d14
 Concen: 27.78 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF078960.D
 Acq: 6 May 2015 15:08

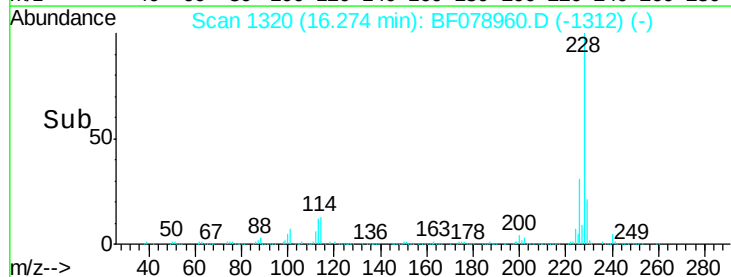
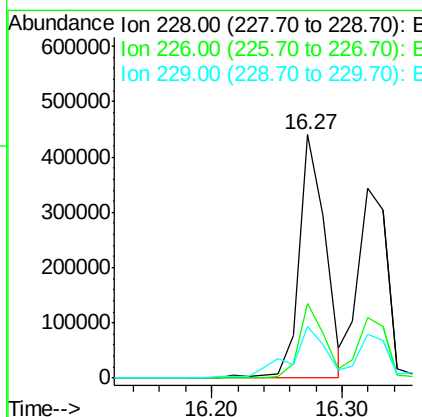
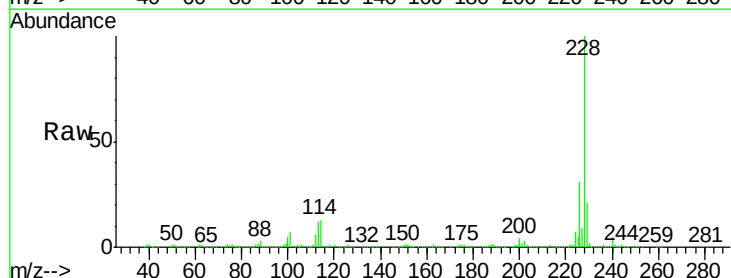
Instrument :
 BNA_F
 ClientSampled :
 SB-54S

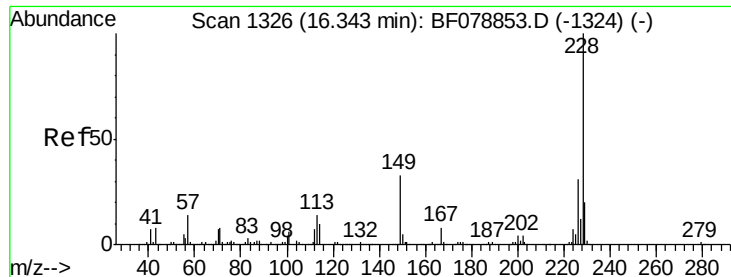
Tgt Ion:244 Resp: 397159
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 9.6 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 32.21 ng
 RT: 16.27 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF078960.D
 Acq: 6 May 2015 15:08

Tgt Ion:228 Resp: 603818
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.6 33.8
 229 21.1 15.9 23.9





#82

Chrysene

Concen: 29.19 ng

RT: 16.32 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

Instrument :

BNA_F

ClientSampleId :

SB-54S

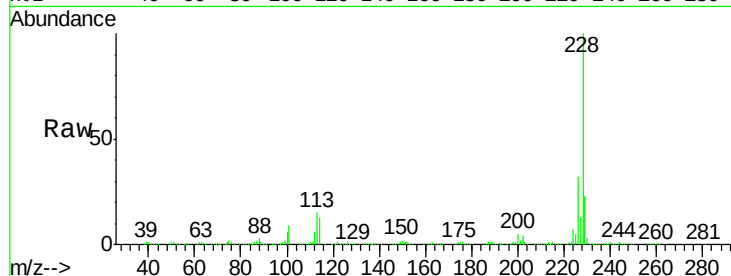
Tgt Ion:228 Resp: 526299

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

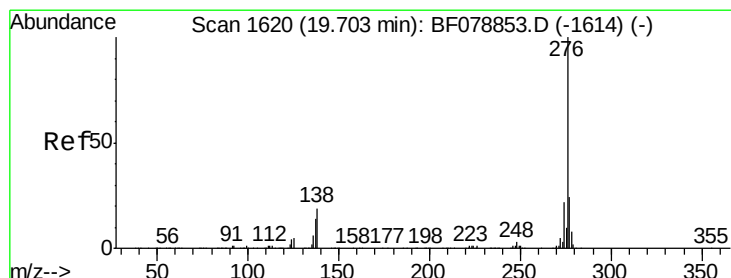
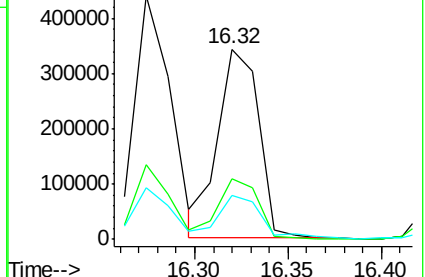
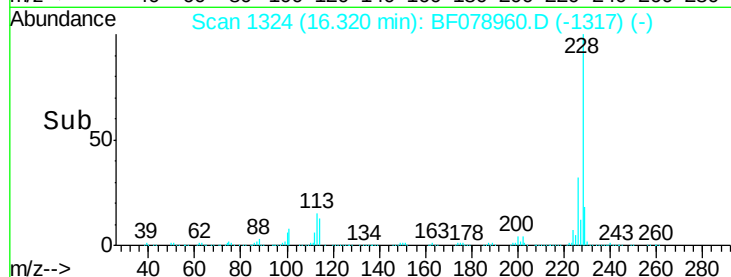
229 22.8 16.0 24.0



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: 17.74 ng

RT: 19.67 min Scan# 1617

Delta R.T. -0.09 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

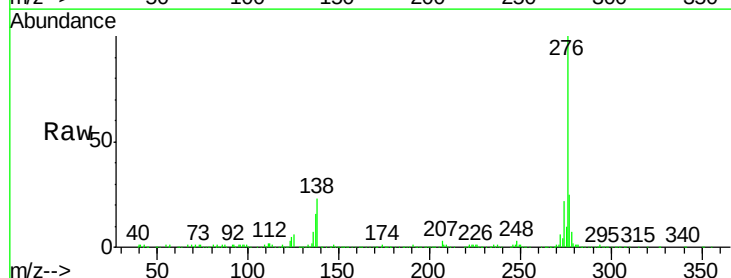
Tgt Ion:276 Resp: 407410

Ion Ratio Lower Upper

276 100

138 24.0 0.0 0.0#

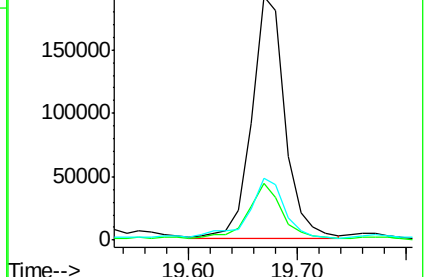
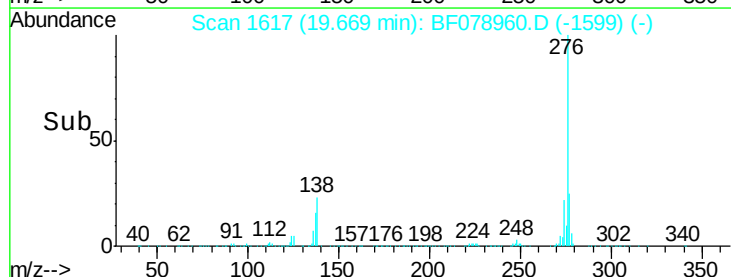
277 28.9 0.0 0.0#

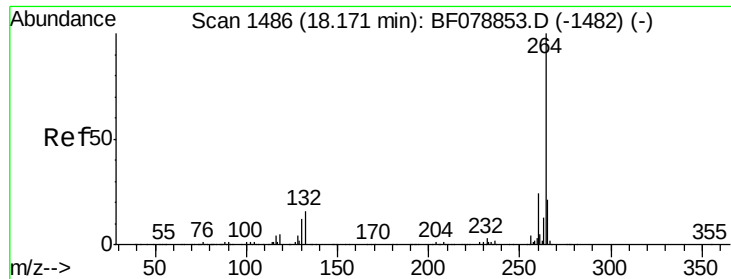


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

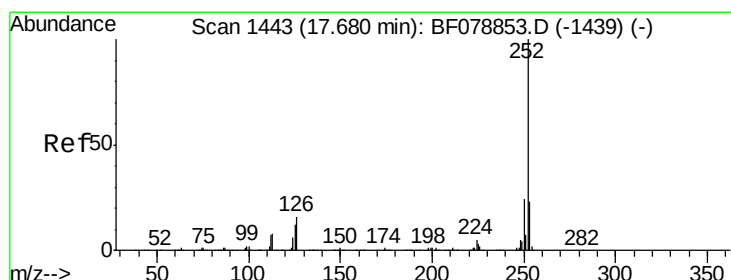
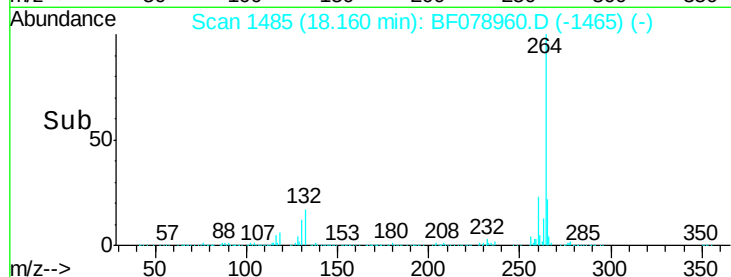
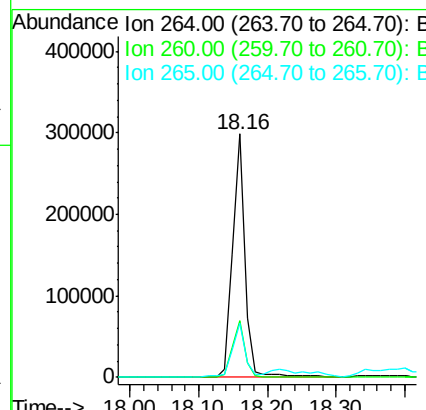
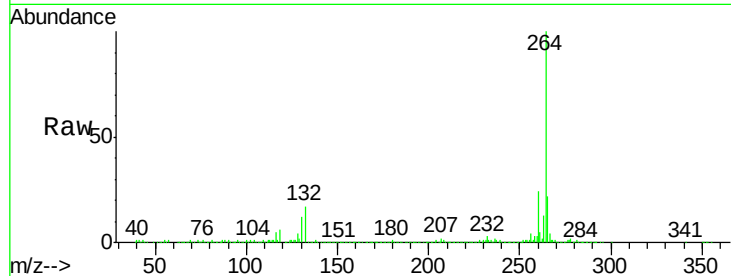




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.16 min Scan# 1485
Delta R.T. -0.07 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

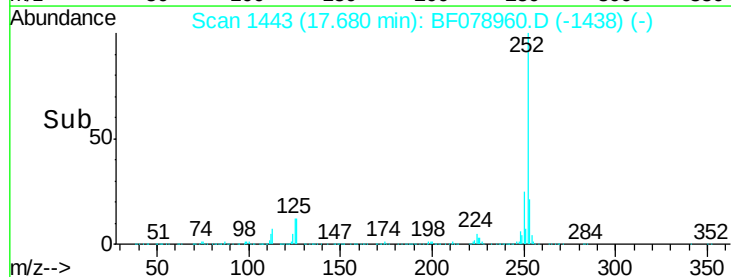
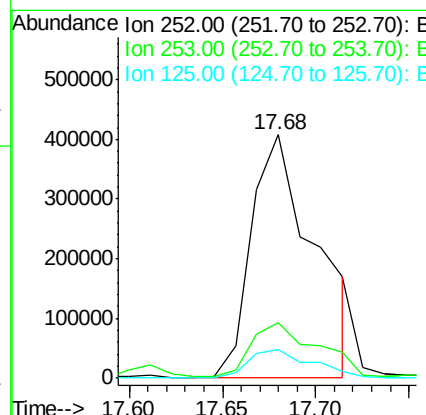
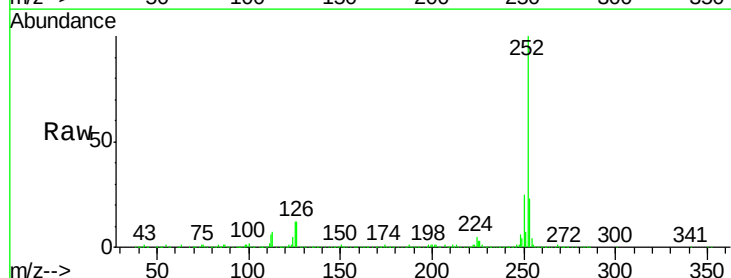
Instrument :
BNA_F
ClientSampleId :
SB-54S

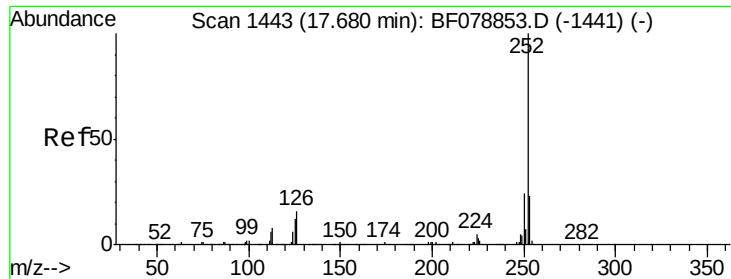
Tgt Ion:264 Resp: 386884
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 22.5 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 45.33 ng
RT: 17.68 min Scan# 1443
Delta R.T. -0.05 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

Tgt Ion:252 Resp: 959815
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 11.7 9.5 14.3

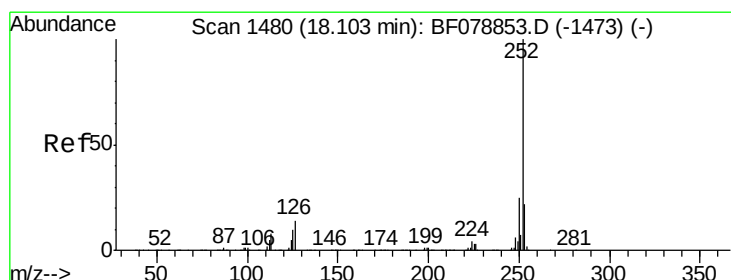
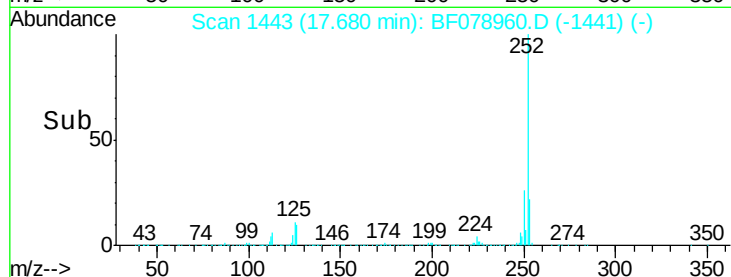
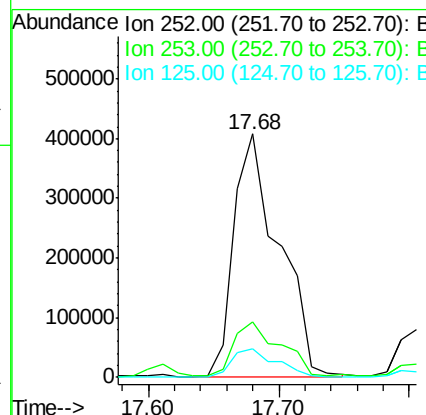
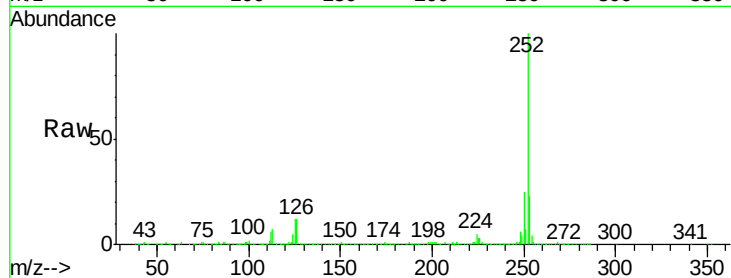




#88
Benzo(k)fluoranthene
Concen: 47.71 ng
RT: 17.68 min Scan# 1443
Delta R.T. -0.08 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

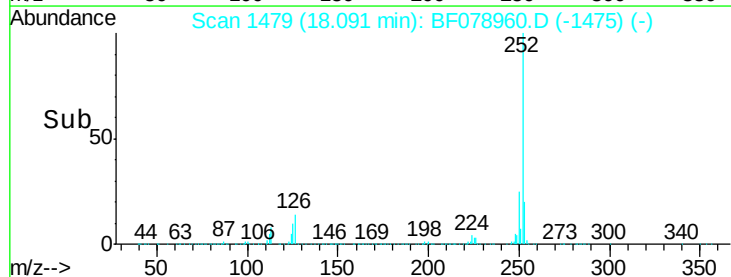
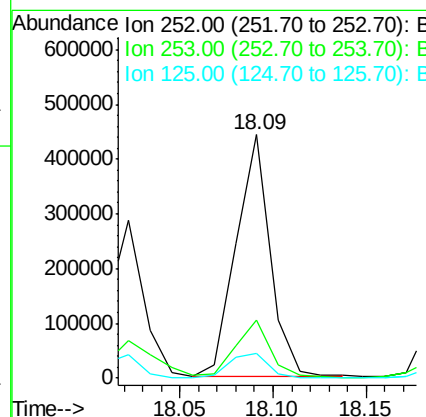
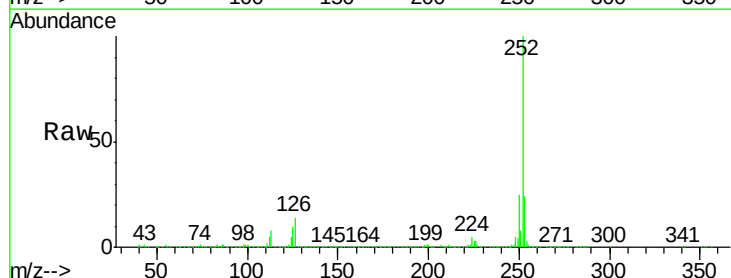
Instrument :
BNA_F
ClientSampled :
SB-54S

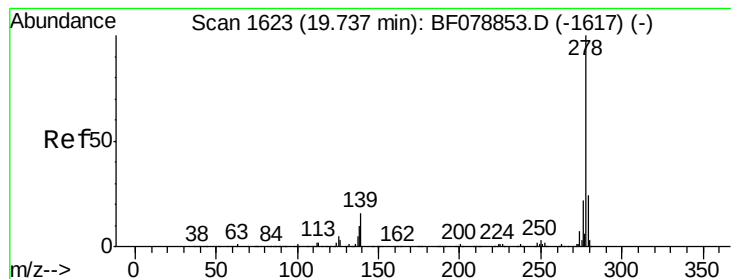
Tgt Ion:252 Resp: 977991
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 11.7 10.0 15.0



#89
Benzo(a)pyrene
Concen: 28.72 ng
RT: 18.09 min Scan# 1479
Delta R.T. -0.06 min
Lab File: BF078960.D
Acq: 6 May 2015 15:08

Tgt Ion:252 Resp: 559933
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 10.3 7.0 10.6





#90

Dibenzo(a,h)anthracene

Concen: 3.70 ng

RT: 19.69 min Scan# 1619

Delta R.T. -0.10 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

Instrument :

BNA_F

ClientSampleId :

SB-54S

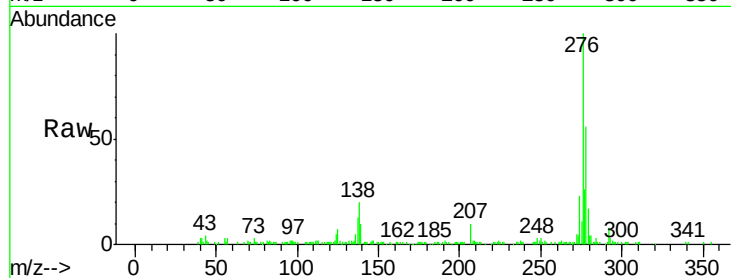
Tgt Ion: 278 Resp: 76684

Ion Ratio Lower Upper

278 100

139 18.1 12.8 19.2

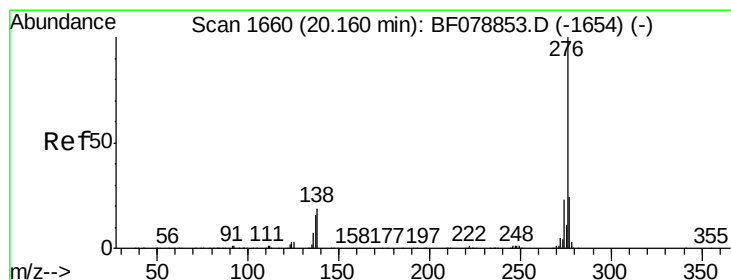
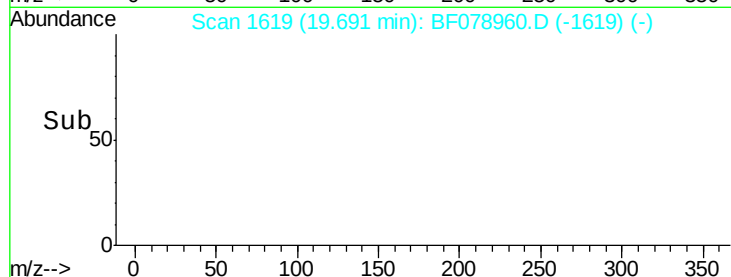
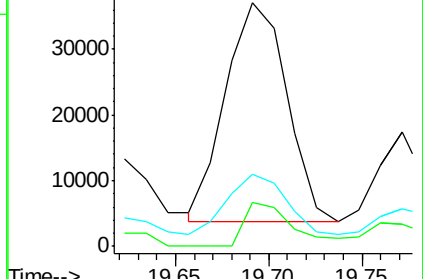
279 29.5 19.6 29.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 18.87 ng

RT: 20.13 min Scan# 1657

Delta R.T. -0.08 min

Lab File: BF078960.D

Acq: 6 May 2015 15:08

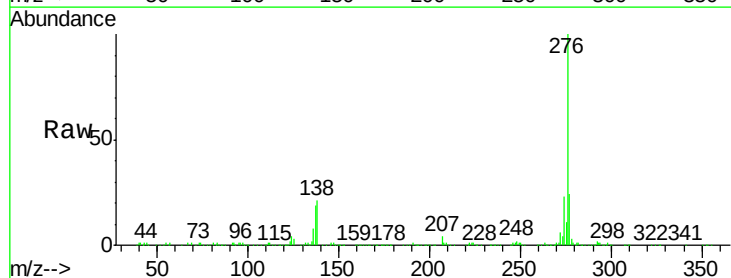
Tgt Ion: 276 Resp: 391890

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 21.3 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

