

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
 Data File : BF078280.D
 Acq On : 7 Apr 2015 3:40
 Operator : TP/IZ
 Sample : G1745-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3D

Quant Time: Apr 07 11:43:58 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 04:11:17 2015
 Response via : Initial Calibration

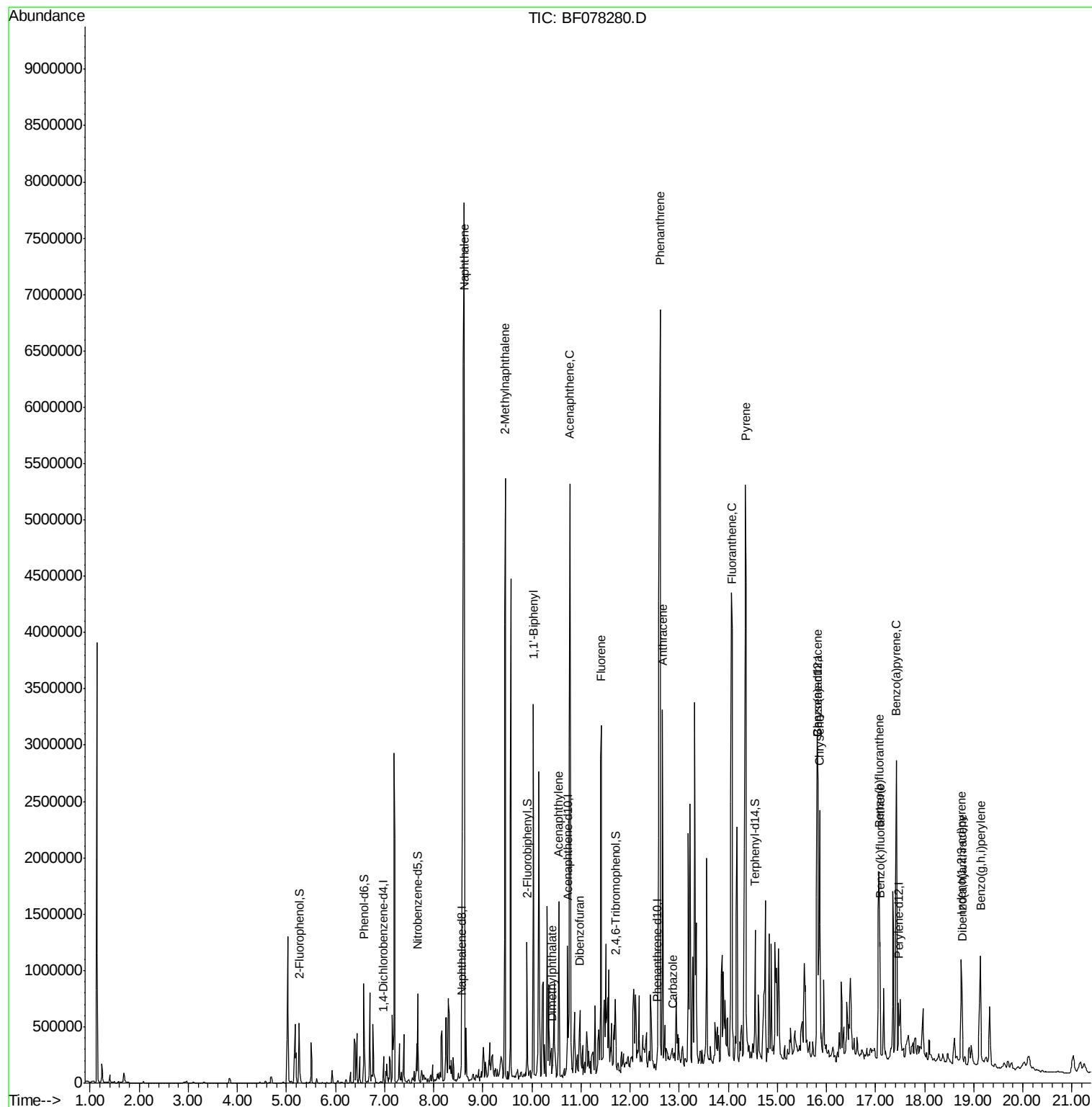
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	37857	20.00	ng	0.00
21) Naphthalene-d8	8.57	136	140840	20.00	ng	0.01
38) Acenaphthene-d10	10.73	164	82470	20.00	ng	0.01
63) Phenanthrene-d10	12.56	188	146769	20.00	ng	0.01
75) Chrysene-d12	15.83	240	139918	20.00	ng	0.01
86) Perylene-d12	17.47	264	182872	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	227801	99.21	ng	0.01
7) Phenol-d6	6.58	99	296636	103.09	ng	0.00
23) Nitrobenzene-d5	7.68	82	162771	70.05	ng	0.00
41) 2,4,6-Tribromophenol	11.70	330	62177	90.91	ng	0.00
44) 2-Fluorobiphenyl	9.90	172	359003	62.22	ng	0.00
78) Terphenyl-d14	14.55	244	397899	64.26	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.62	128	8458908	1153.93	ng	# 91
37) 2-Methylnaphthalene	9.46	142	2159293	433.86	ng	# 95
45) 1,1'-Biphenyl	10.03	154	1198680	177.69	ng	97
48) Acenaphthylene	10.54	152	681264	79.49	ng	# 96
49) Dimethylphthalate	10.42	163	12508	2.02	ng	# 99
51) Acenaphthene	10.77	154	2212203	458.45	ng	98
54) Dibenzofuran	10.98	168	114154	15.49	ng	# 95
57) Fluorene	11.41	166	1542389	258.18	ng	98
70) Phenanthrene	12.61	178	5092967	599.89	ng	93
71) Anthracene	12.66	178	1469698	175.68	ng	97
72) Carbazole	12.86	167	35031	4.47	ng	# 88
74) Fluoranthene	14.08	202	3240752	361.96	ng	92
77) Pvrene	14.35	202	4511716m	513.66	ng	
80) Benzo(a)anthracene	15.83	228	1517943	182.34	ng	# 92
82) Chrysene	15.86	228	1132618	144.81	ng	95
85) Indeno(1,2,3-cd)pyrene	18.75	276	631642m	71.17	ng	
87) Benzo(b)fluoranthene	17.07	252	1181175m	104.51	ng	
88) Benzo(k)fluoranthene	17.09	252	355856m	35.43	ng	
89) Benzo(a)pvrene	17.43	252	1328989	134.74	ng	# 94
90) Dibenzo(a,h)anthracene	18.76	278	114408	11.59	ng	97
91) Benzo(g,h,i)perylene	19.14	276	823938	83.22	ng	96

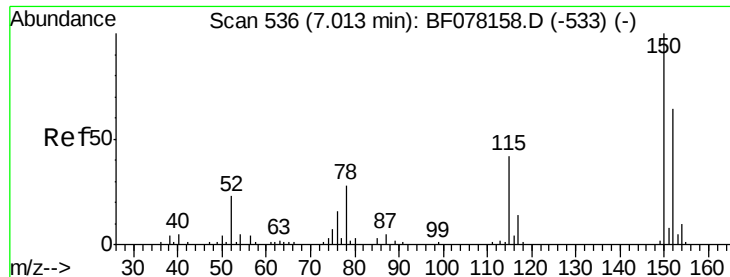
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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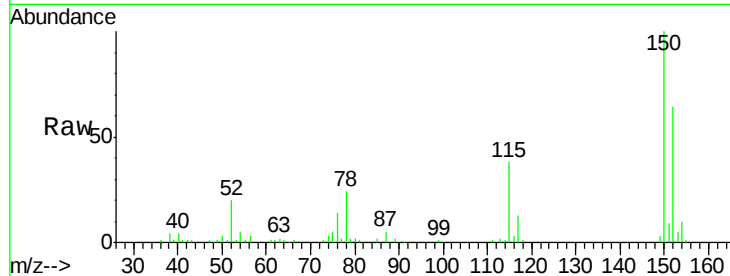


#1

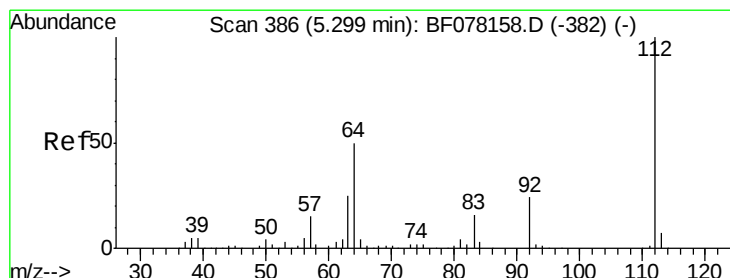
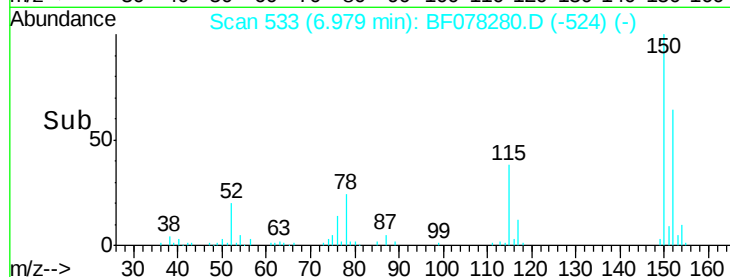
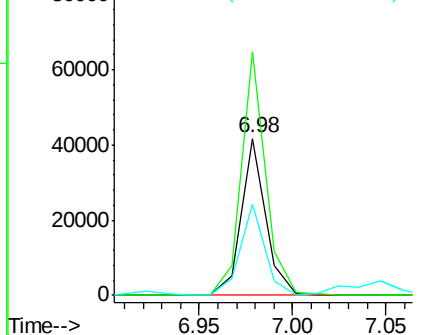
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.98 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SB-3D

Tot Ion:152 Resp: 37857
Ion Ratio Lower Upper
152 100
150 155.5 125.9 188.9
115 58.4 52.7 79.1



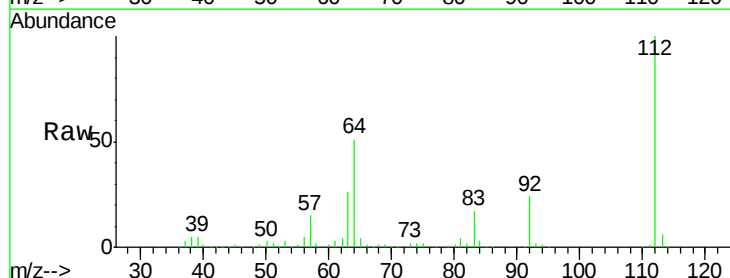
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



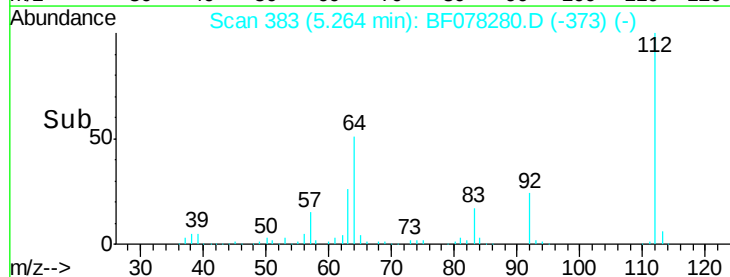
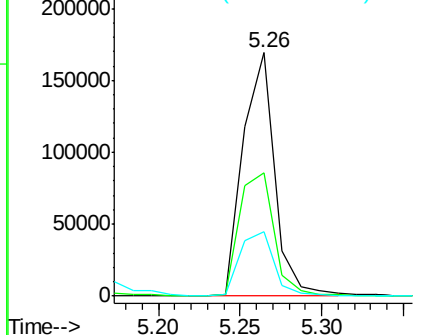
#5

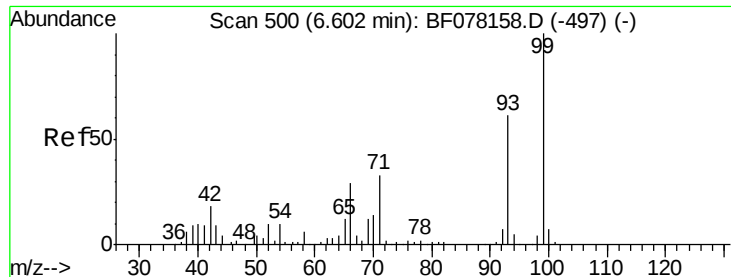
2-Fluorophenol
Concen: 99.21 ng
RT: 5.26 min Scan# 383
Delta R.T. 0.01 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

Tgt Ion:112 Resp: 227801
Ion Ratio Lower Upper
112 100
64 50.5 39.9 59.9
63 26.2 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: 103.09 ng

RT: 6.58 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

Instrument :

BNA_F

ClientSampleId :

SB-3D

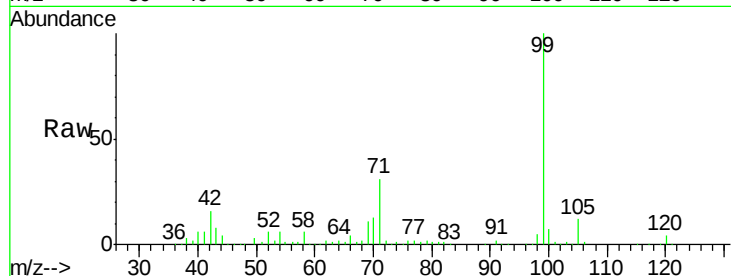
Tot Ion: 99 Resp: 296636

Ion Ratio Lower Upper

99 100

42 15.7 14.8 22.2

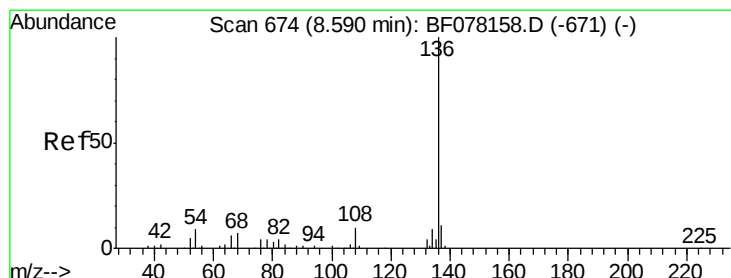
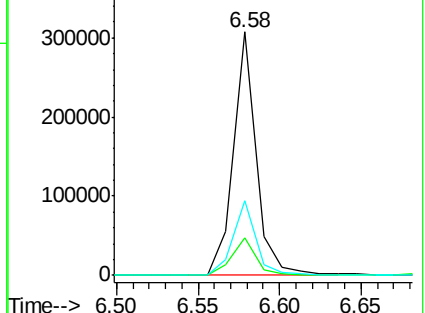
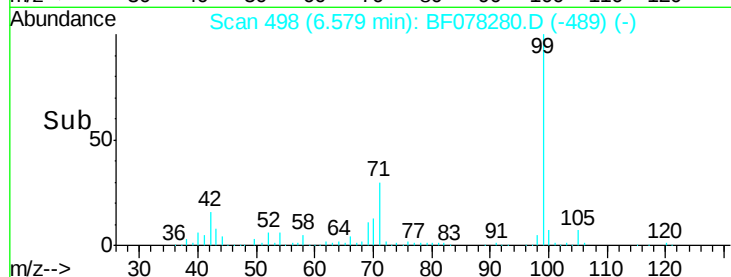
71 30.5 26.6 39.8



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: 8.57 min Scan# 672

Delta R.T. 0.01 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

Tgt Ion: 136 Resp: 140840

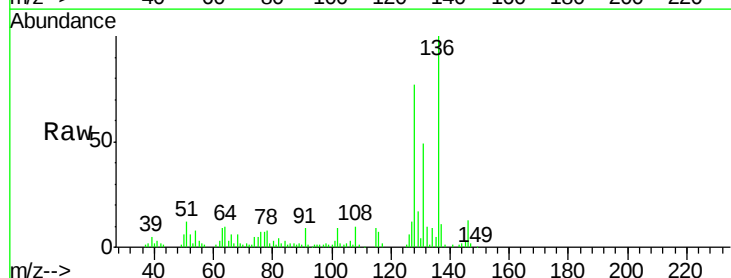
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.6 7.0 10.6

68 6.4 5.4 8.2

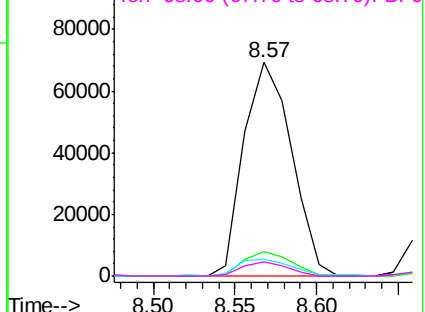
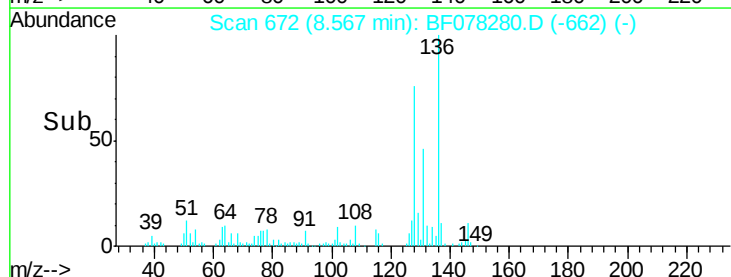


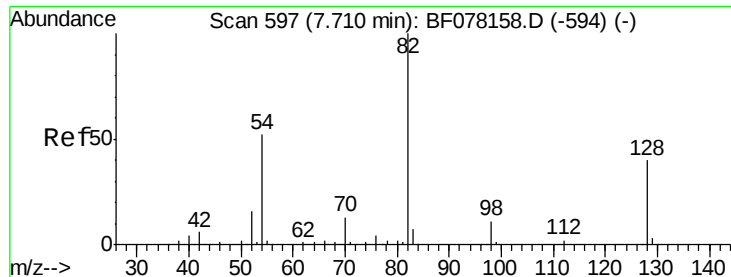
Abundance Ion 136.00 (135.70 to 136.70): E

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

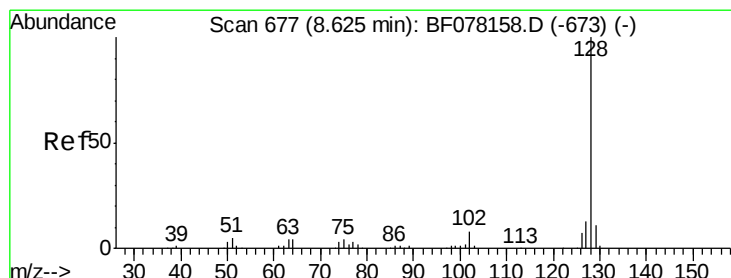
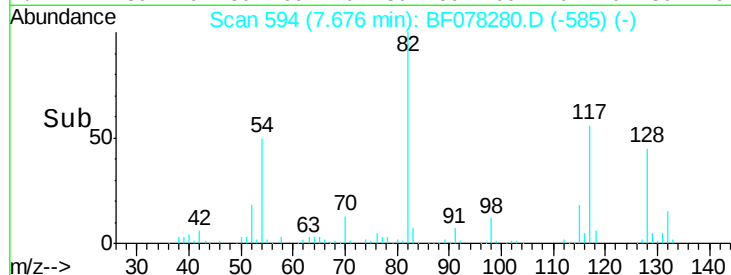
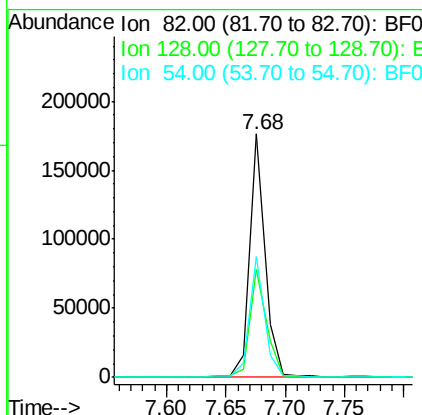
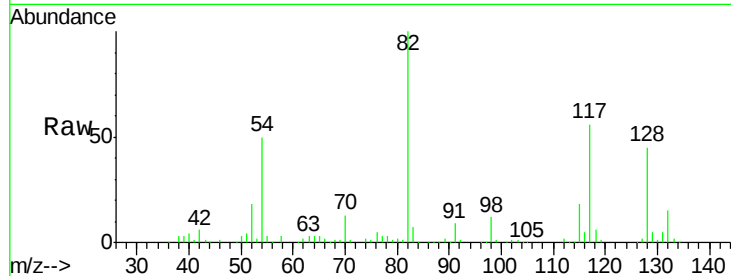




#23
Nitrobenzene-d5
Concen: 70.05 ng
RT: 7.68 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

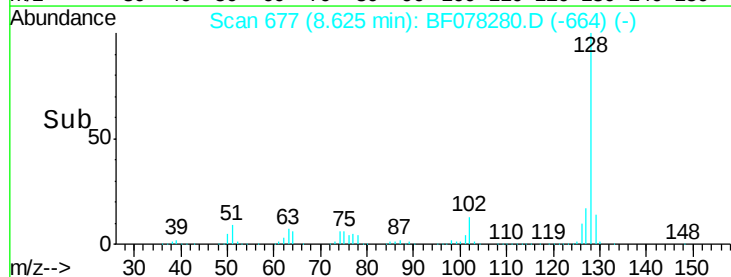
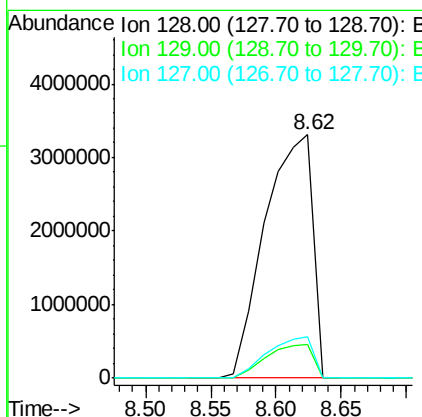
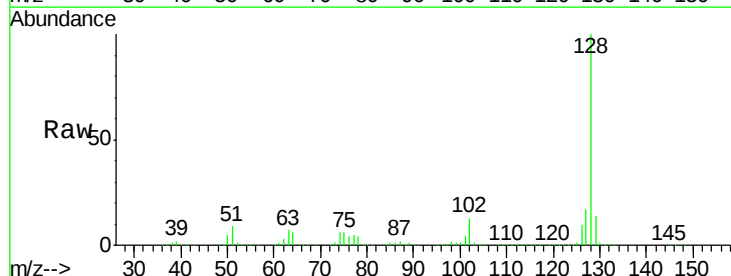
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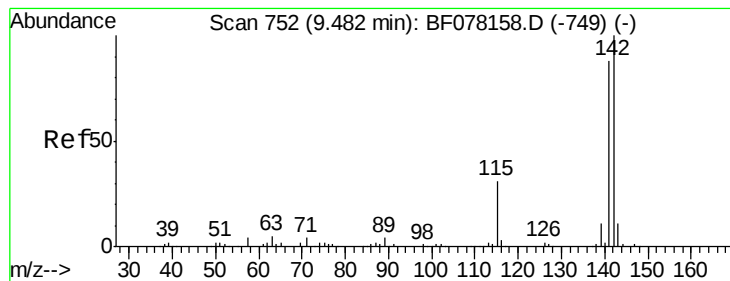
Tot Ion: 82 Resp: 162771
Ion Ratio Lower Upper
82 100
128 44.6 31.8 47.8
54 49.7 41.5 62.3



#31
Naphthalene
Concen: 1153.93 ng
RT: 8.62 min Scan# 677
Delta R.T. 0.05 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

Tgt Ion:128 Resp: 8458908
Ion Ratio Lower Upper
128 100
129 13.8 8.6 12.8#
127 17.1 10.7 16.1#

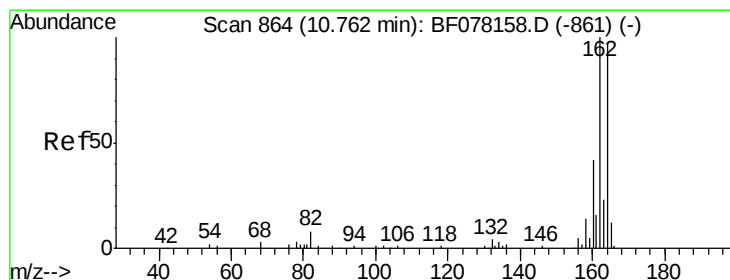
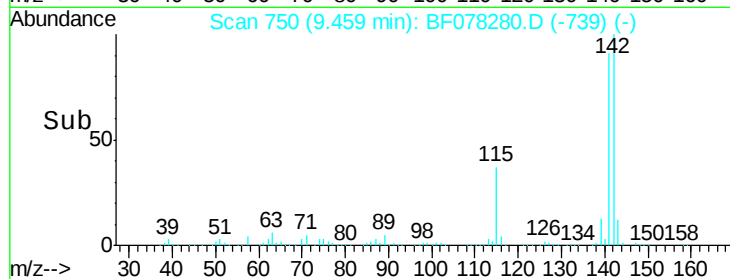
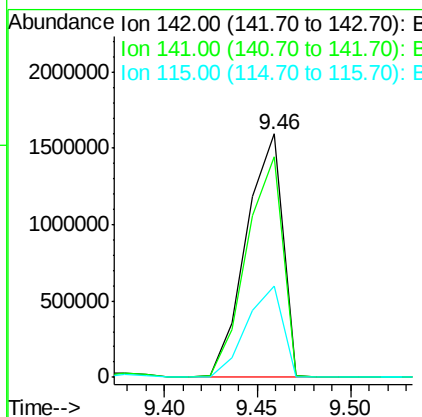
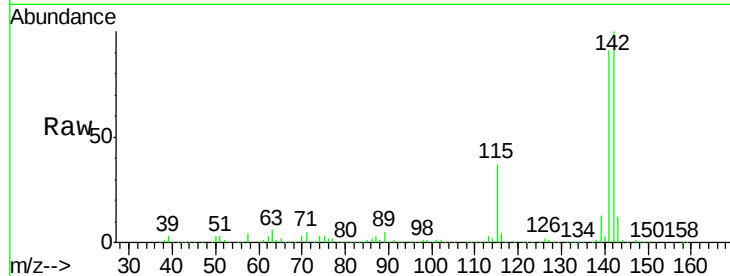




#37
 2-Methylnaphthalene
 Concen: 433.86 ng
 RT: 9.46 min Scan# 750
 Delta R.T. 0.02 min
 Lab File: BF078280.D
 Acq: 7 Apr 2015 3:40

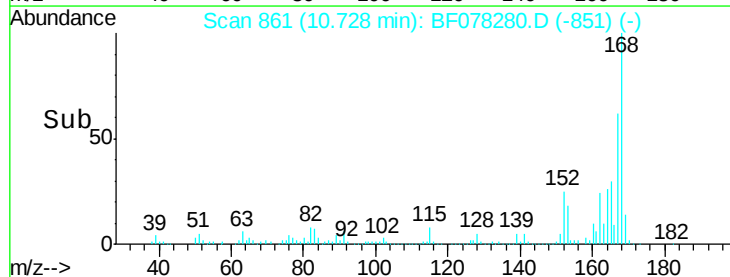
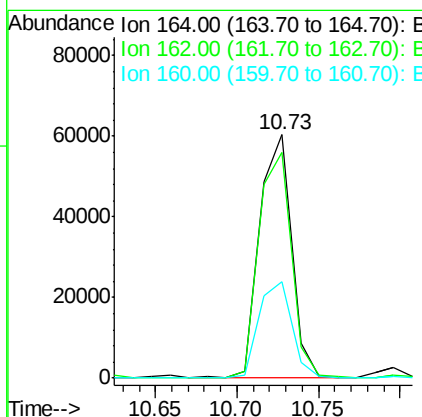
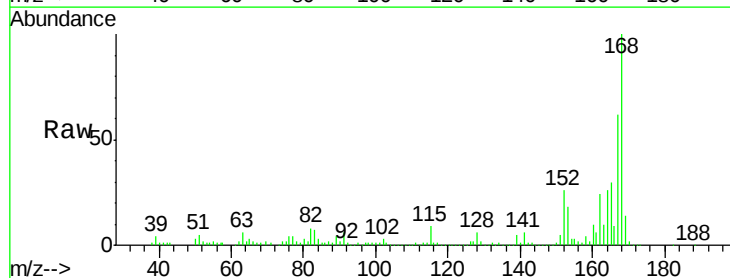
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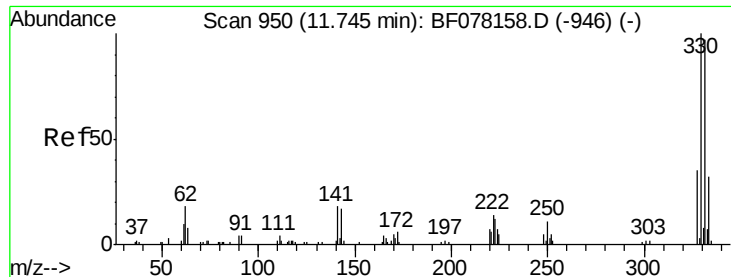
Tot Ion:142 Resp: 2159293
 Ion Ratio Lower Upper
 142 100
 141 90.6 70.3 105.5
 115 37.5 24.6 37.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.73 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: BF078280.D
 Acq: 7 Apr 2015 3:40

Tgt Ion:164 Resp: 82470
 Ion Ratio Lower Upper
 164 100
 162 92.8 82.2 123.2
 160 39.8 34.7 52.1

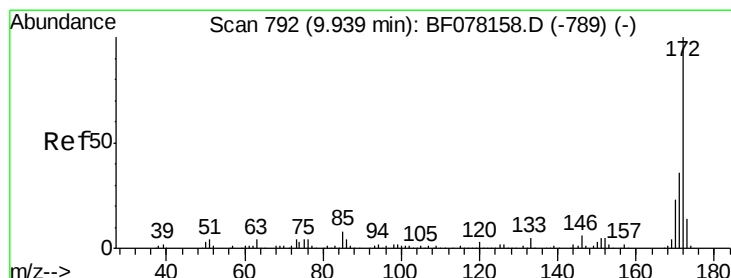
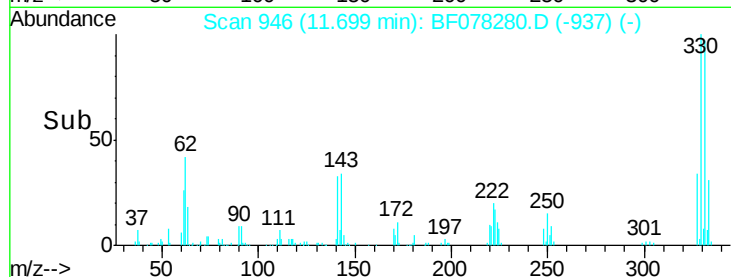
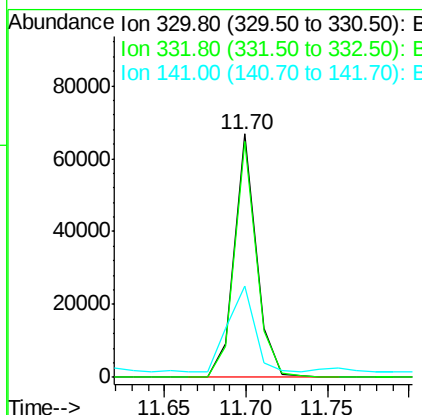
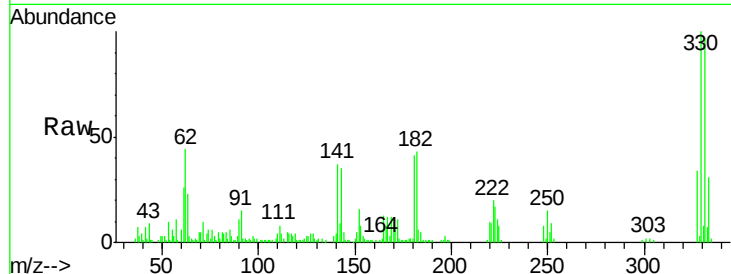




#41
 2,4,6-Tribromophenol
 Concen: 90.91 ng
 RT: 11.70 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: BF078280.D
 Acq: 7 Apr 2015 3:40

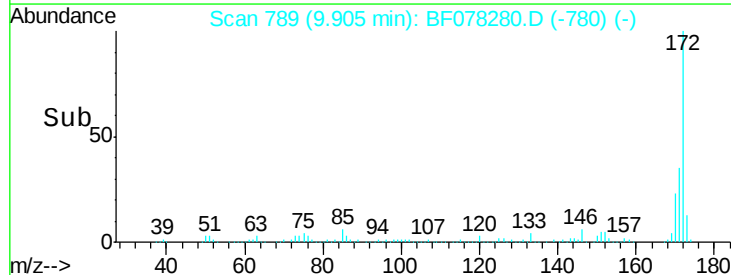
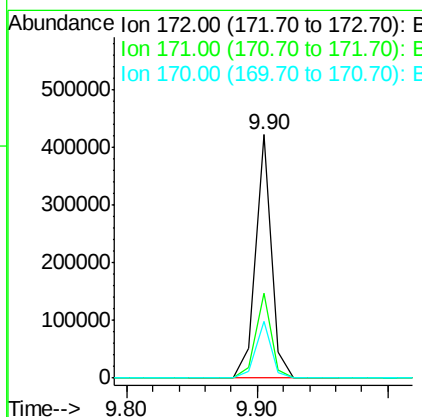
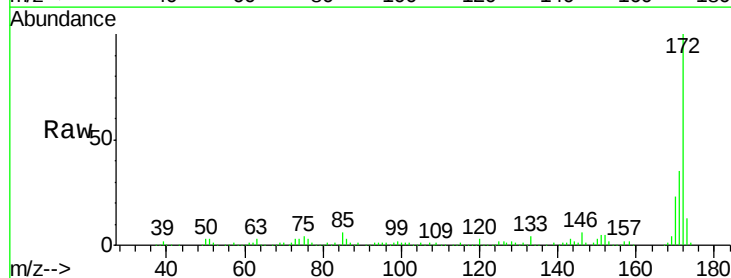
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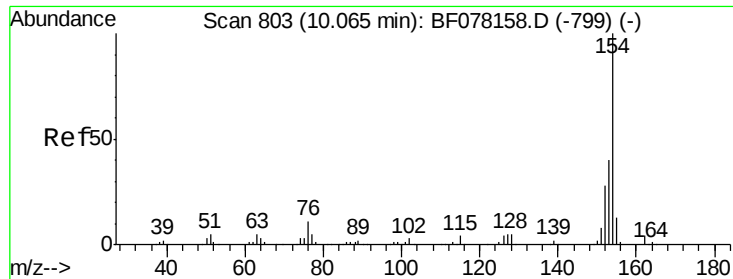
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.6	117.8
141	44.4	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 62.22 ng
 RT: 9.90 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF078280.D
 Acq: 7 Apr 2015 3:40

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

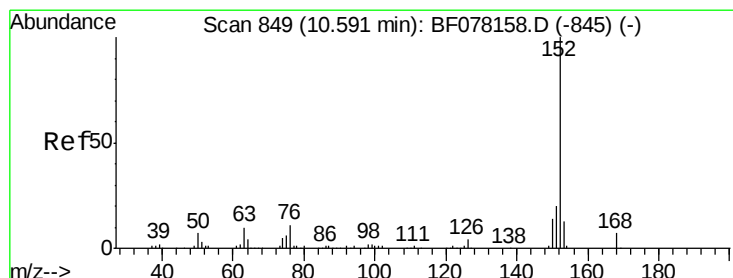
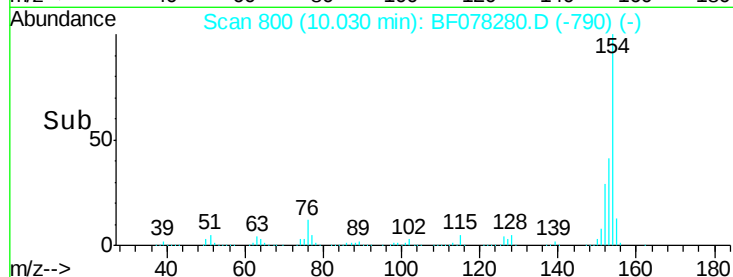
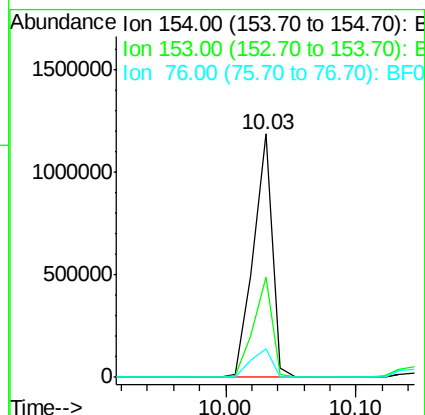
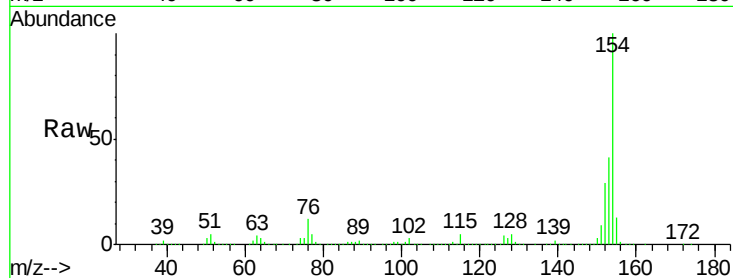




#45
 1,1'-Biphenyl
 Concen: 177.69 ng
 RT: 10.03 min Scan# 800
 Delta R.T. 0.01 min
 Lab File: BF078280.D
 Acq: 7 Apr 2015 3:40

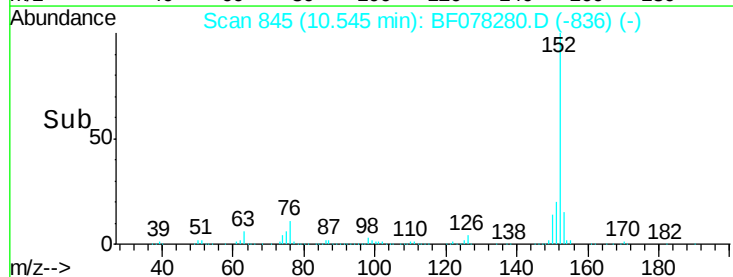
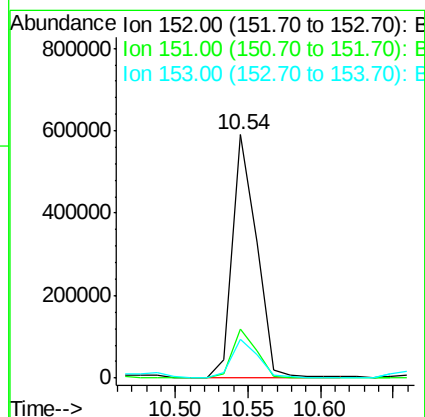
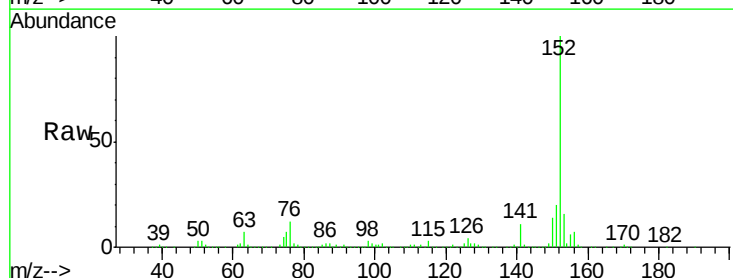
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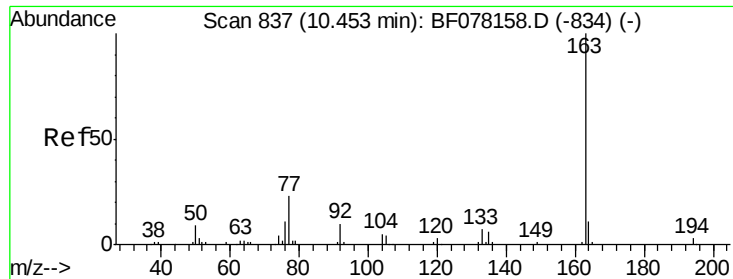
Tot Ion:154 Resp: 1198680
 Ion Ratio Lower Upper
 154 100
 153 41.4 20.0 60.0
 76 12.0 0.0 30.6



#48
 Acenaphthylene
 Concen: 79.49 ng
 RT: 10.54 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BF078280.D
 Acq: 7 Apr 2015 3:40

Tgt Ion:152 Resp: 681264
 Ion Ratio Lower Upper
 152 100
 151 20.2 15.7 23.5
 153 16.0 10.2 15.2#

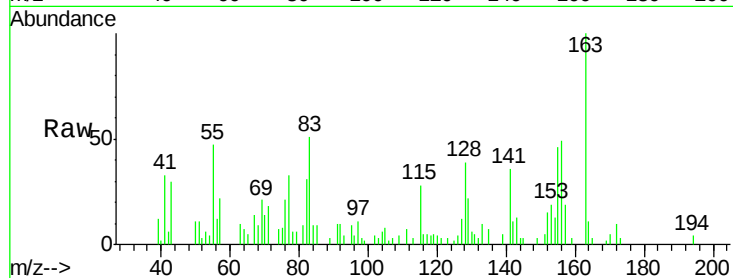




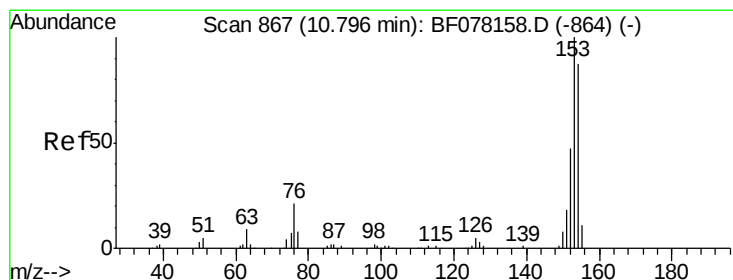
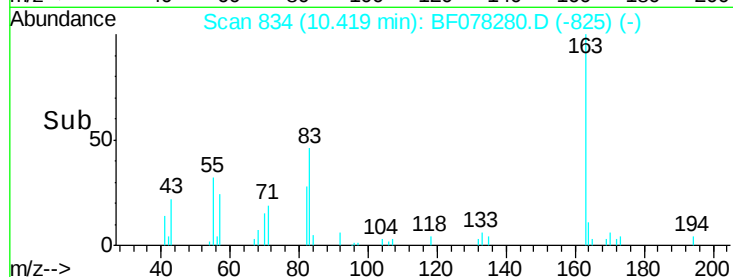
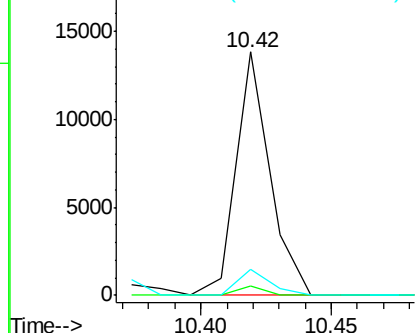
#49
Dimethylphthalate
Concen: 2.02 ng
RT: 10.42 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

Instrument :
BNA_F
ClientSampleId :
SB-3D

Tot Ion:163 Resp: 12508
Ion Ratio Lower Upper
163 100
194 3.8 2.3 3.5#
164 10.6 8.6 13.0

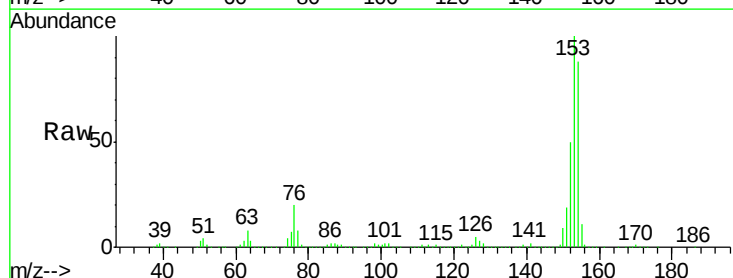


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

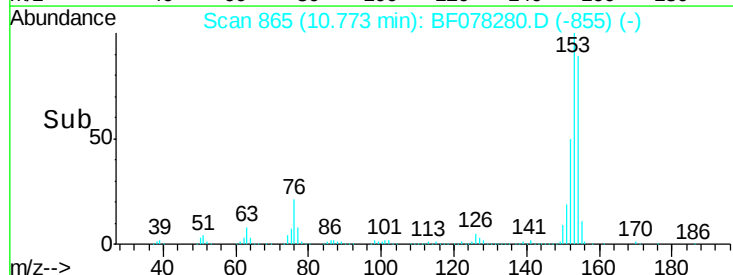
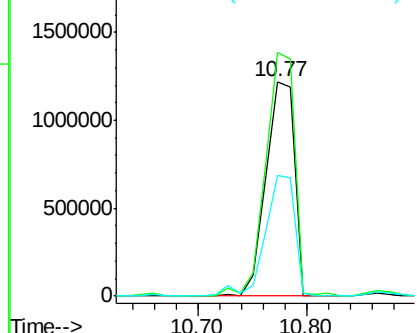


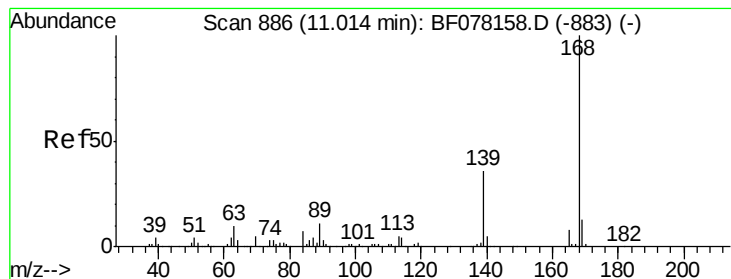
#51
Acenaphthene
Concen: 458.45 ng
RT: 10.77 min Scan# 865
Delta R.T. 0.01 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

Tgt Ion:154 Resp: 2212203
Ion Ratio Lower Upper
154 100
153 113.6 91.4 137.2
152 56.5 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





#54

Dibenzenofuran

Concen: 15.49 ng

RT: 10.98 min Scan# 883

Delta R.T. 0.01 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

Instrument :

BNA_F

ClientSampled :

SB-3D

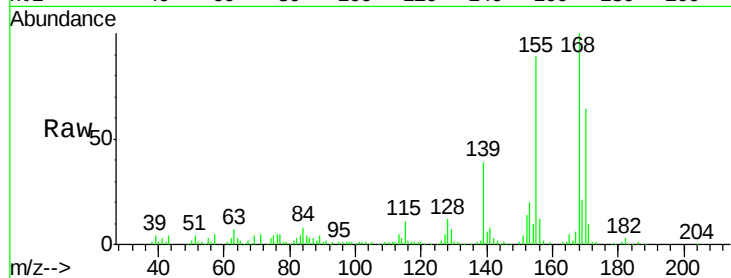
Tot Ion:168 Resp: 114154

Ion Ratio Lower Upper

168 100

139 38.5 31.0 46.4

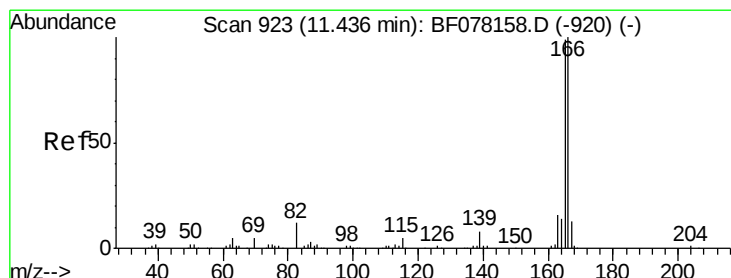
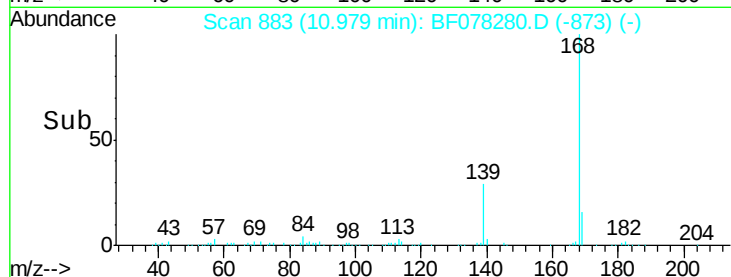
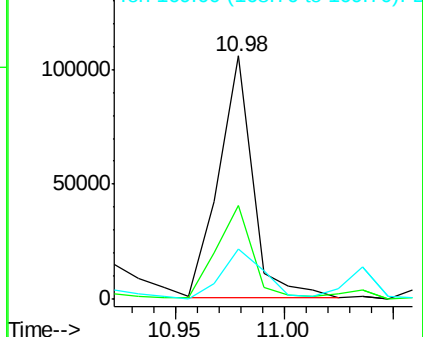
169 20.6 10.7 16.1#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 258.18 ng

RT: 11.41 min Scan# 921

Delta R.T. 0.02 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

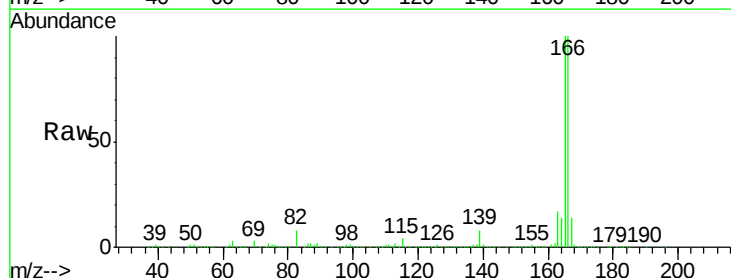
Tgt Ion:166 Resp: 1542389

Ion Ratio Lower Upper

166 100

165 100.4 78.9 118.3

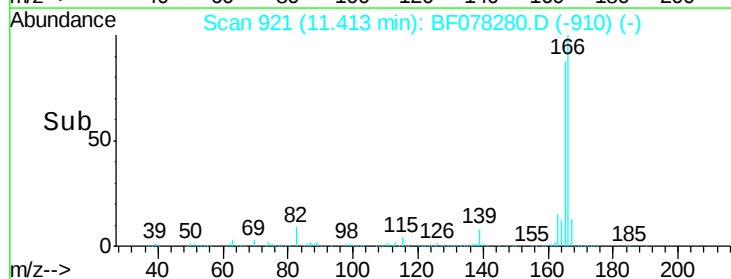
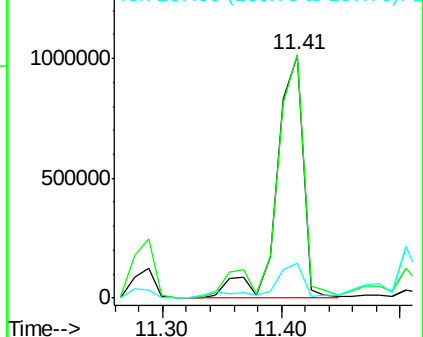
167 14.3 10.7 16.1

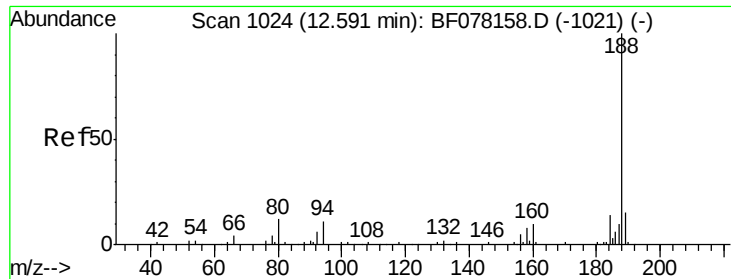


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

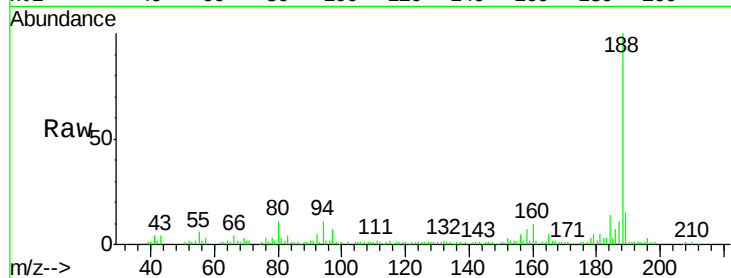




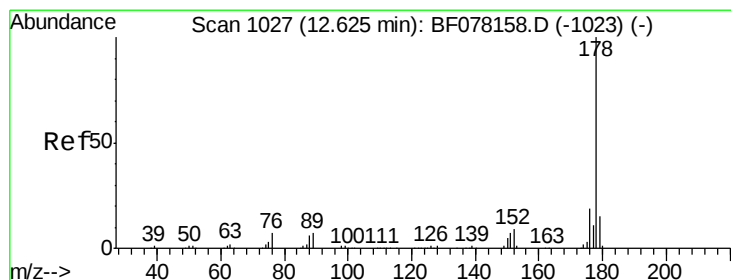
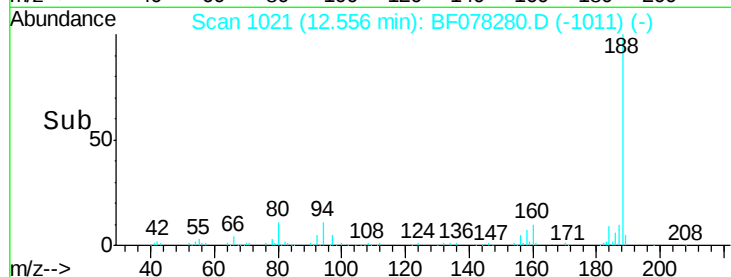
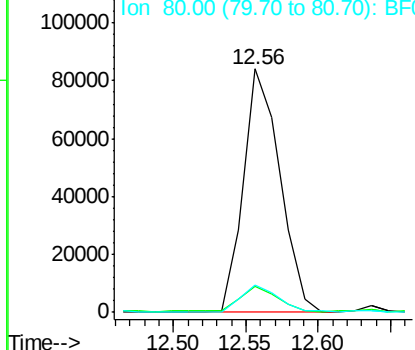
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

Instrument :
BNA_F
ClientSampled :
SB-3D

Tot Ion:188 Resp: 146769
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.4
80 11.2 9.5 14.3

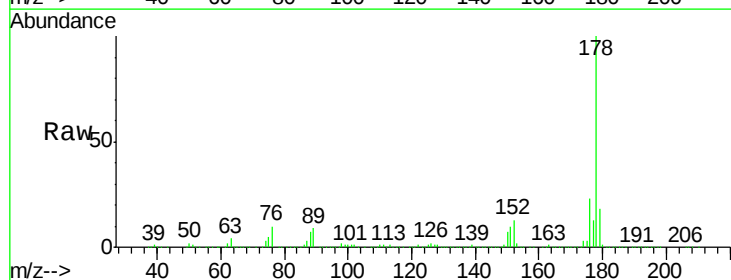


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

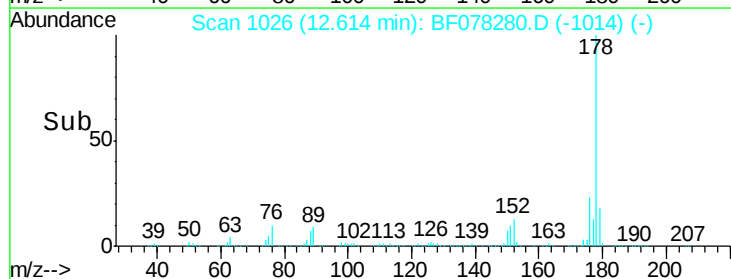
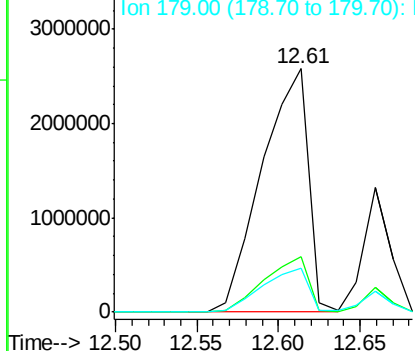


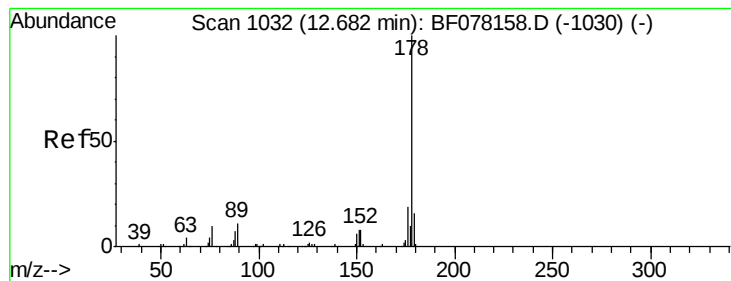
#70
Phenanthrene
Concen: 599.89 ng
RT: 12.61 min Scan# 1026
Delta R.T. 0.03 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

Tgt Ion:178 Resp: 5092967
Ion Ratio Lower Upper
178 100
176 22.7 15.4 23.0
179 17.8 12.2 18.2



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





#71

Anthracene

Concen: 175.68 ng

RT: 12.66 min Scan# 1030

Delta R.T. 0.02 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

Instrument :

BNA_F

ClientSampleId :

SB-3D

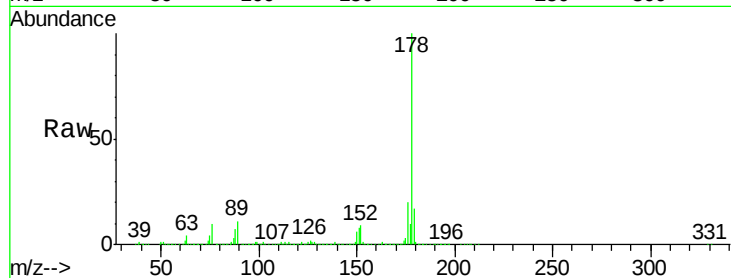
Tot Ion:178 Resp: 1469698

Ion Ratio Lower Upper

178 100

176 19.8 14.8 22.2

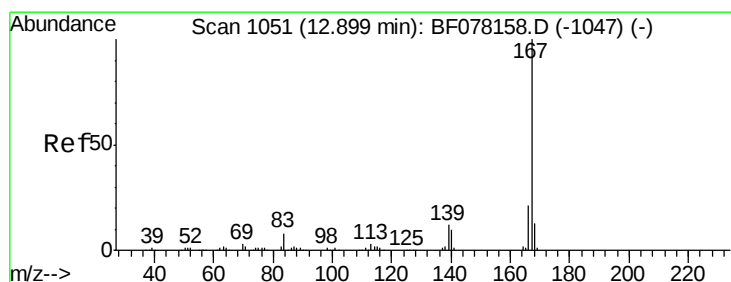
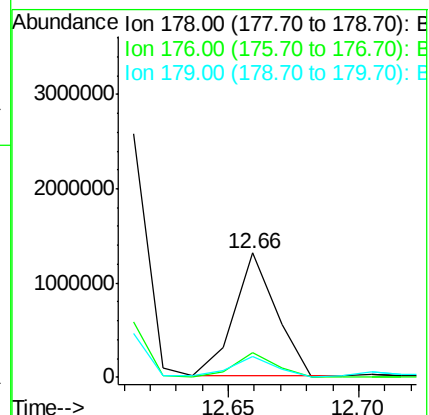
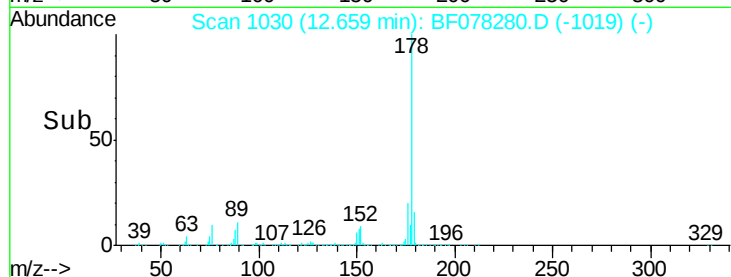
179 16.7 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 4.47 ng

RT: 12.86 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

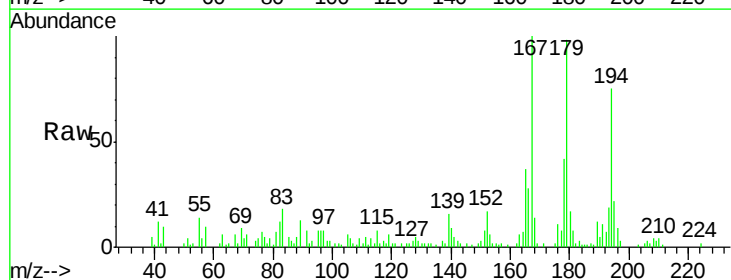
Tgt Ion:167 Resp: 35031

Ion Ratio Lower Upper

167 100

166 27.8 16.8 25.2#

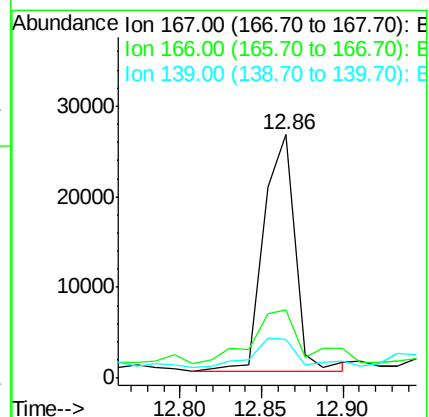
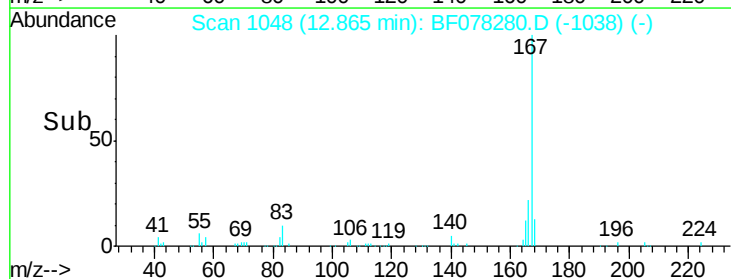
139 15.9 10.0 15.0#

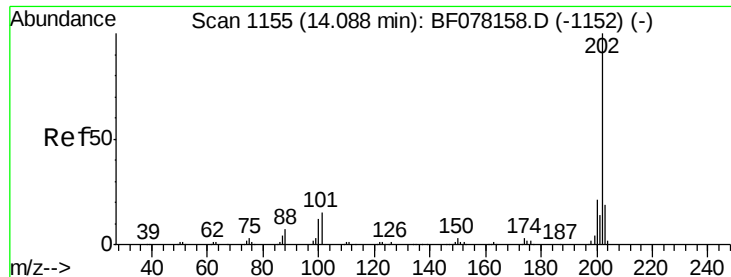


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 361.96 ng

RT: 14.08 min Scan# 1154

Delta R.T. 0.03 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

Instrument :

BNA_F

ClientSampleId :

SB-3D

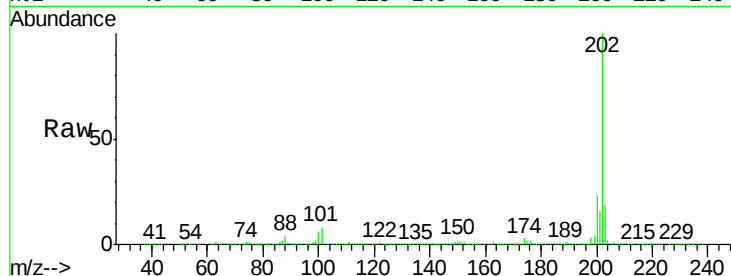
Tot Ion:202 Resp: 3240752

Ion Ratio Lower Upper

202 100

101 8.0 0.0 35.2

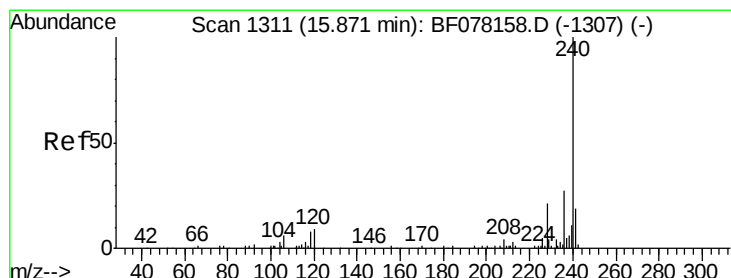
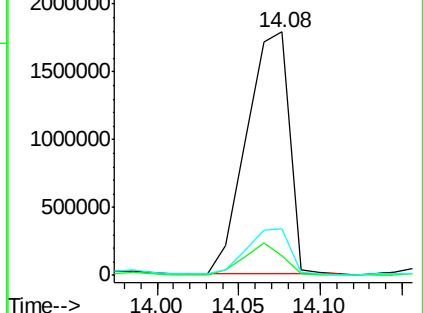
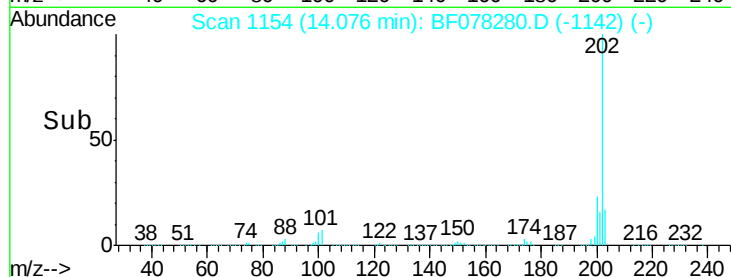
203 18.8 0.0 38.5



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: 15.83 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

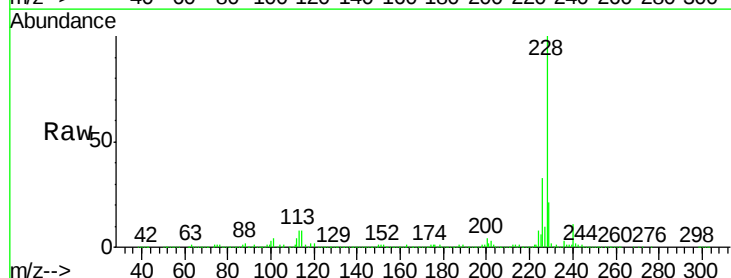
Tgt Ion:240 Resp: 139918

Ion Ratio Lower Upper

240 100

120 18.3 7.1 10.7#

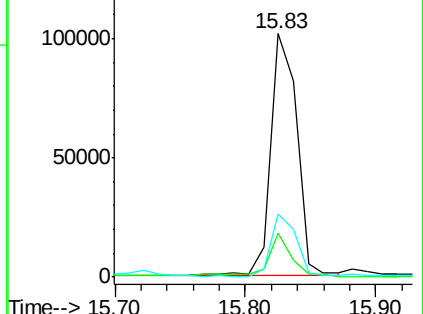
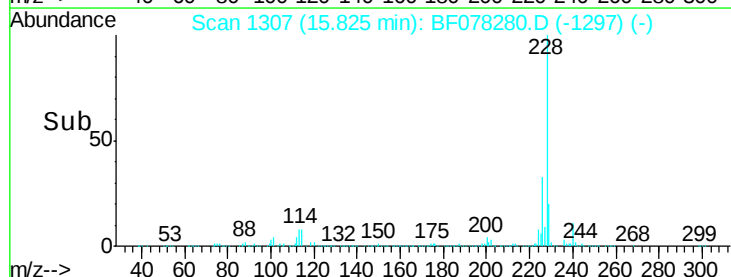
236 26.0 21.4 32.2

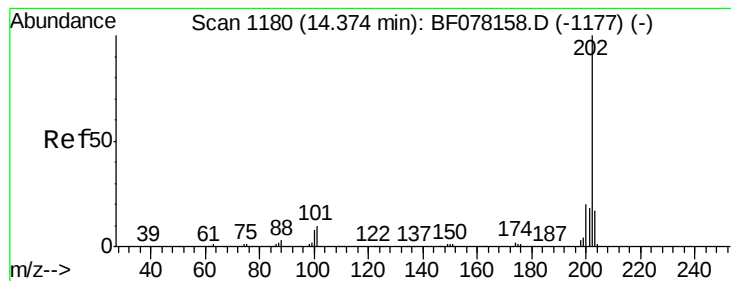


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 513.66 ng/mL

RT: 14.35 min Scan# 1178

Delta R.T. 0.03 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

Instrument :

BNA_F

ClientSampled :

SB-3D

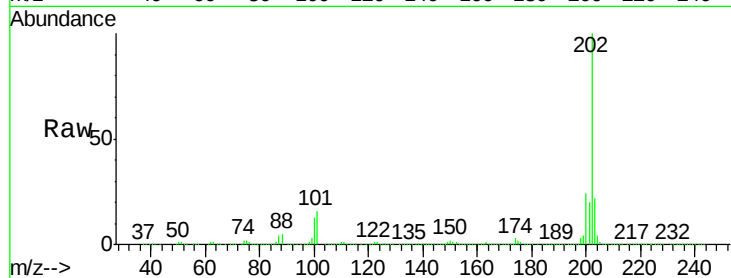
Tot Ion:202 Resp: 4511716

Ion	Ratio	Lower	Upper
202	100		
200	23.7	16.3	24.5
203	21.7	13.8	20.6

202 100

200 23.7 16.3 24.5

203 21.7 13.8 20.6#

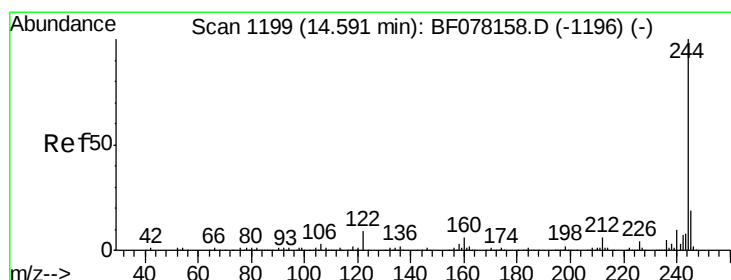
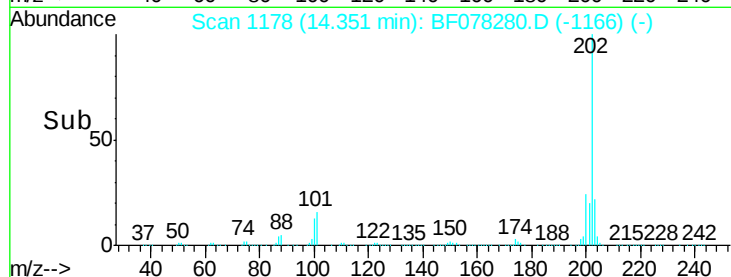
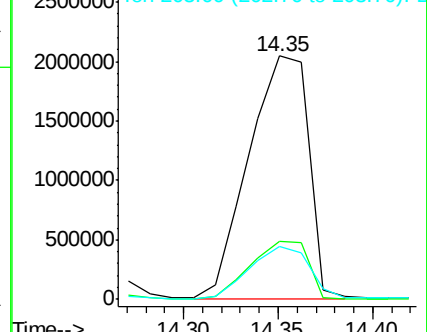


Abundance

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: 64.26 ng/mL

RT: 14.55 min Scan# 1195

Delta R.T. -0.00 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

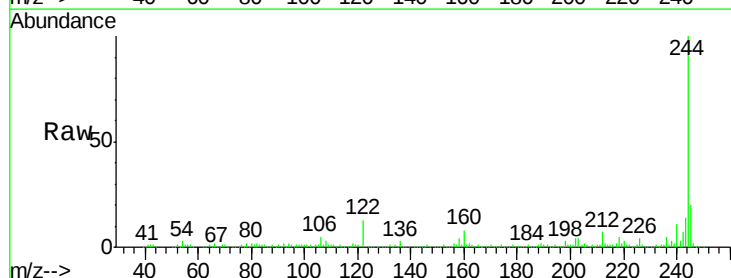
Tgt Ion:244 Resp: 397899

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.0	7.4
122	12.8	7.1	10.7

244 100

212 7.0 5.0 7.4

122 12.8 7.1 10.7#

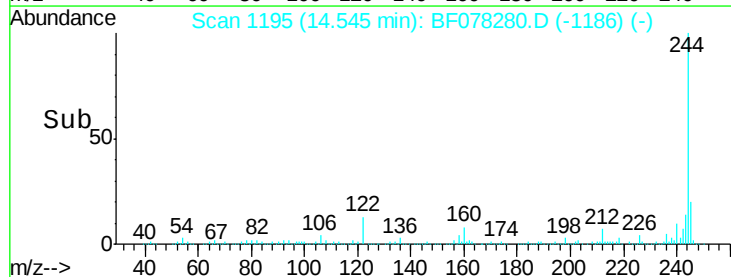
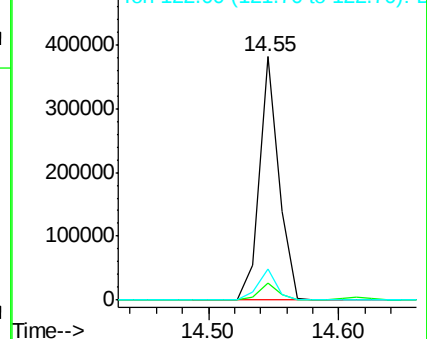


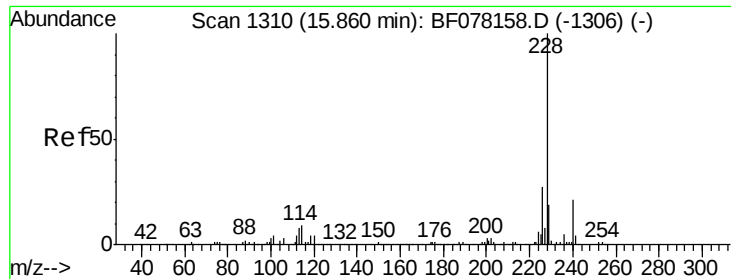
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

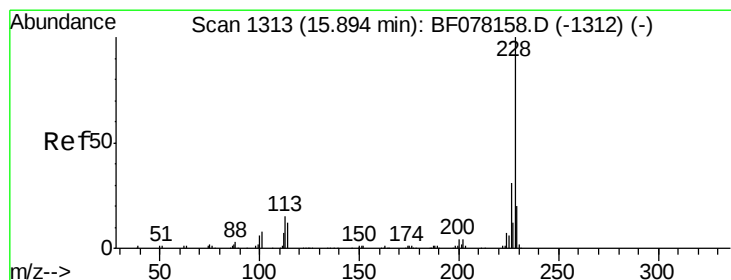
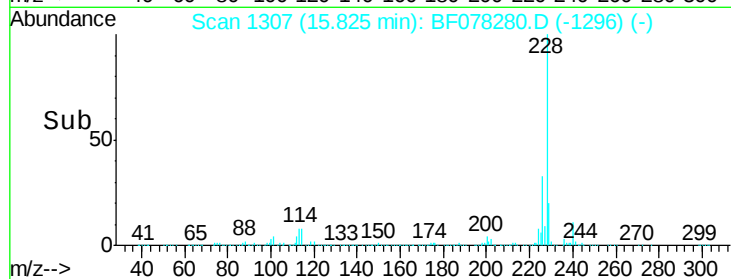
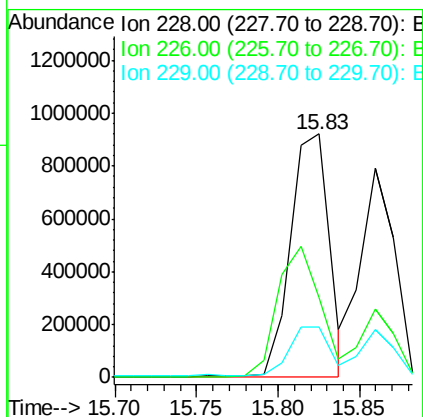
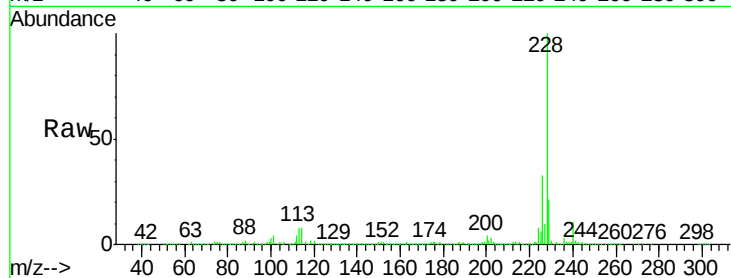




#80
Benzo(a)anthracene
Concen: 182.34 ng
RT: 15.83 min Scan# 1307
Delta R.T. 0.02 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

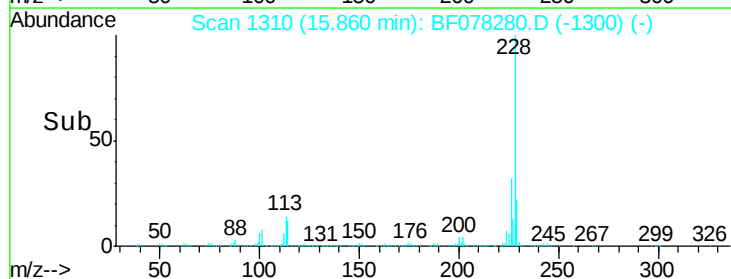
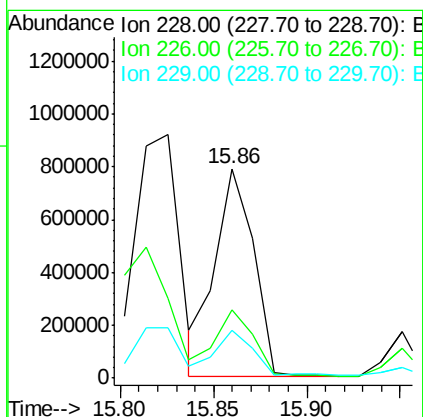
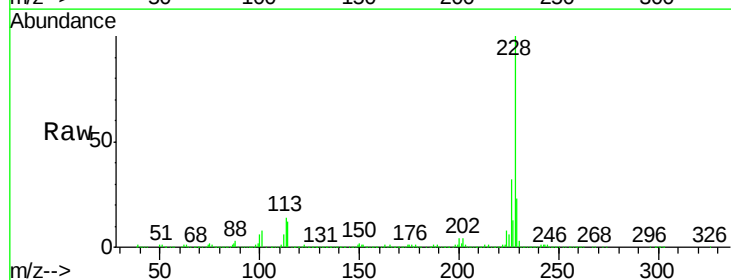
Instrument :
BNA_F
ClientSampleId :
SB-3D

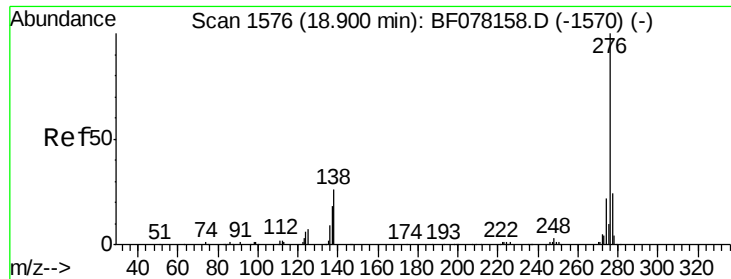
Tot Ion:228 Resp: 1517943
Ion Ratio Lower Upper
228 100
226 32.7 21.3 31.9#
229 20.8 15.4 23.2



#82
Chrysene
Concen: 144.81 ng
RT: 15.86 min Scan# 1310
Delta R.T. 0.01 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

Tgt Ion:228 Resp: 1132618
Ion Ratio Lower Upper
228 100
226 32.4 24.2 36.4
229 22.8 15.8 23.8

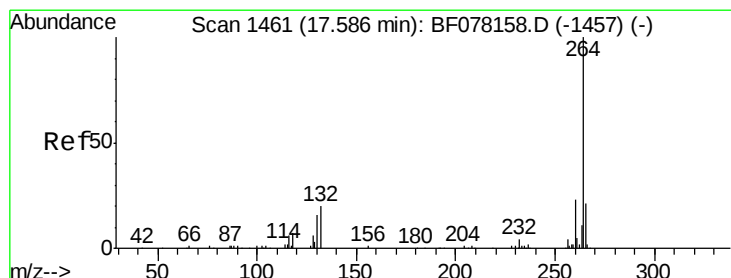
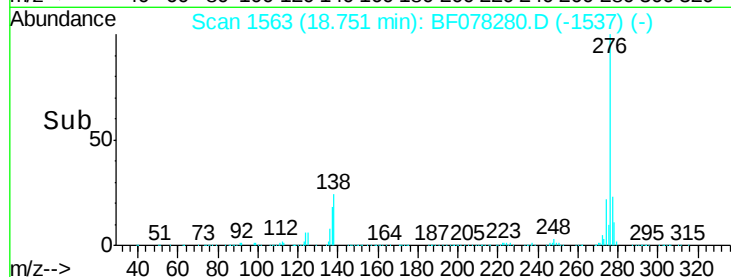
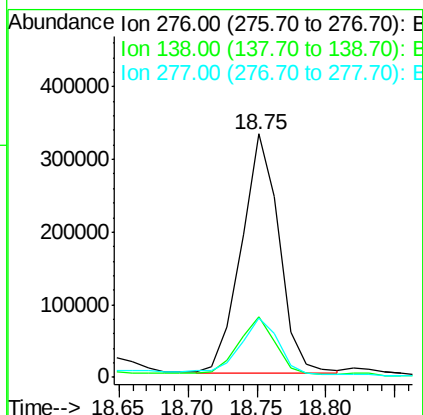
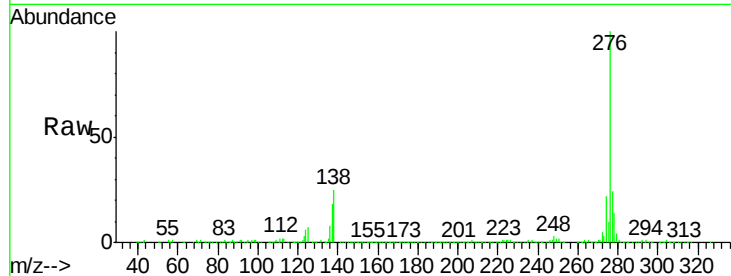




#85
Indeno(1,2,3-cd)pyrene
Concen: 71.17 ng/mL
RT: 18.75 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

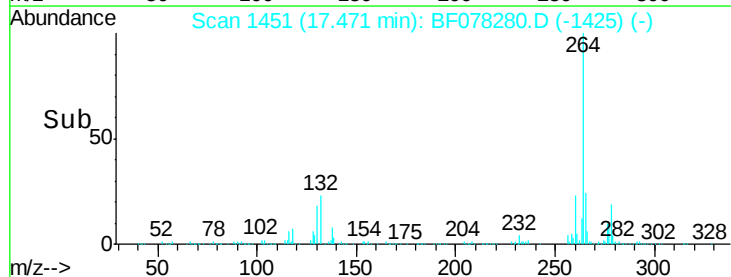
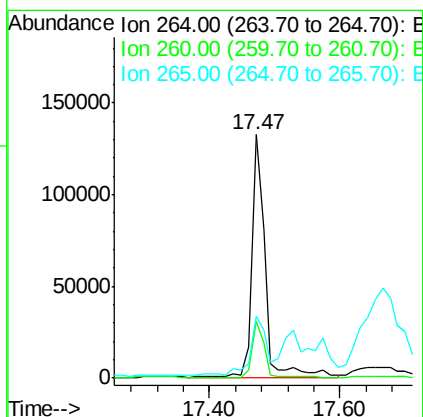
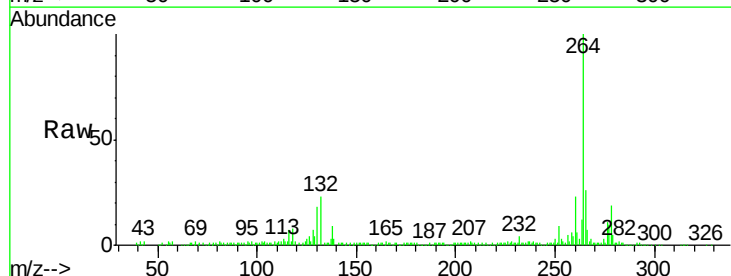
Instrument :
BNA_F
ClientSampleId :
SB-3D

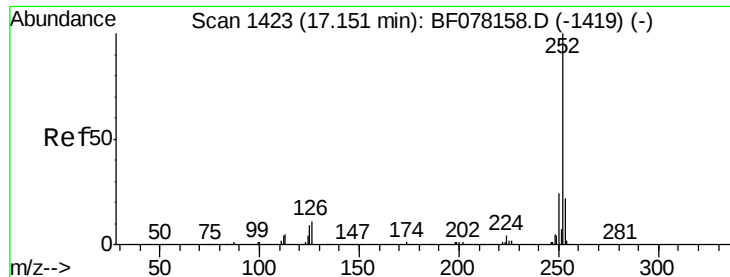
Tot Ion: 276 Resp: 631642
Ion Ratio Lower Upper
276 100
138 5.3 16.9 25.3#
277 5.3 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.47 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

Tgt Ion: 264 Resp: 182872
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 25.5 17.0 25.6

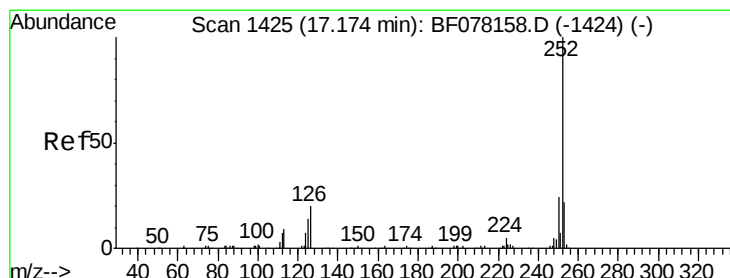
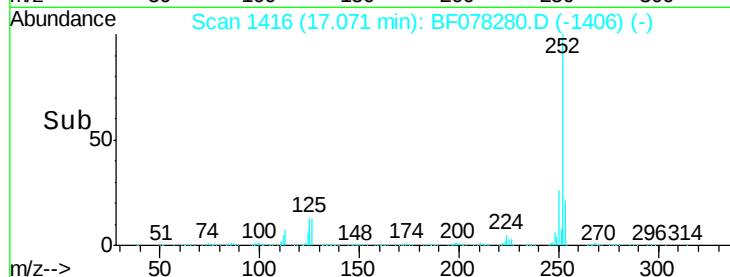
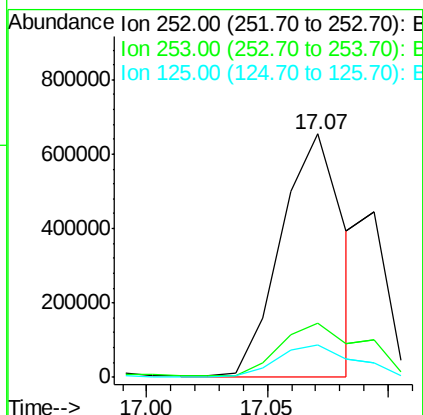
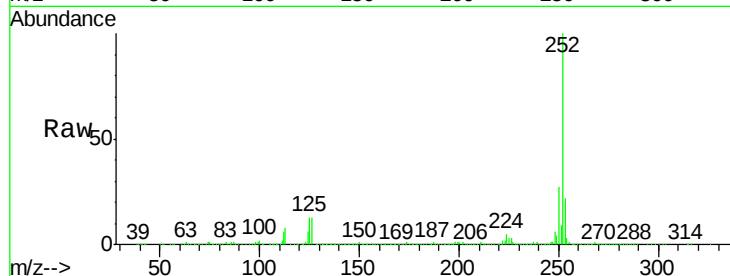




#87
Benzo(b)fluoranthene
Concen: 104.51 ng m
RT: 17.07 min Scan# 1416
Delta R.T. 0.01 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

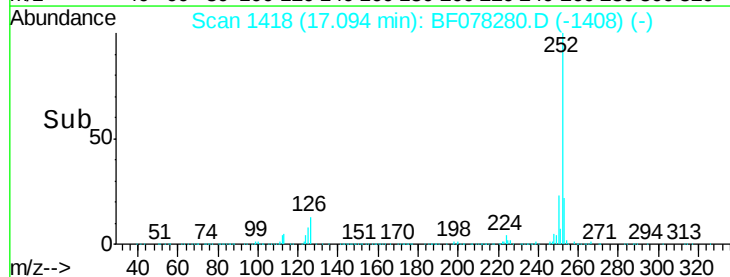
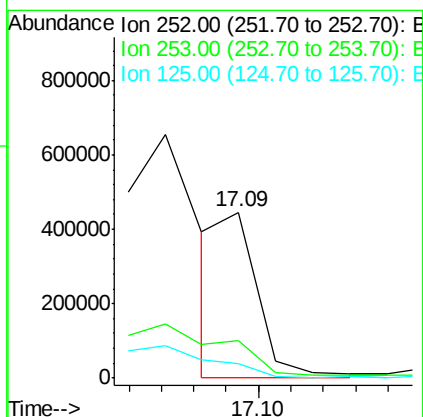
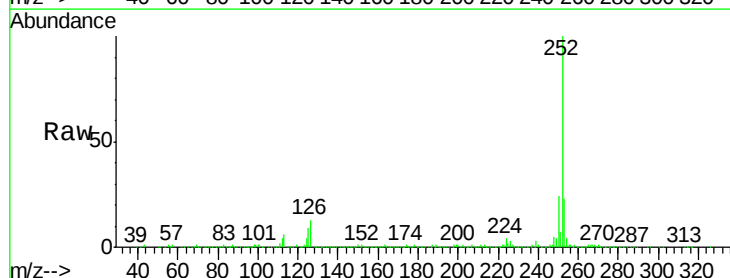
Instrument :
BNA_F
ClientSampleId :
SB-3D

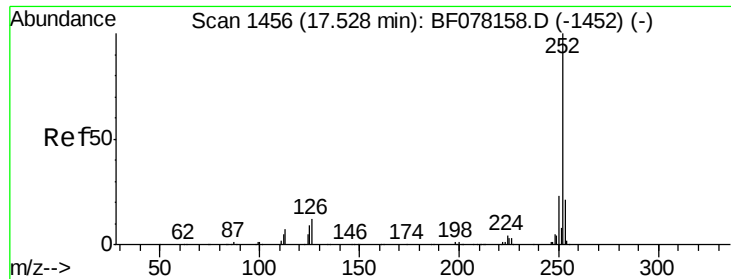
Tot Ion:252 Resp: 1181175
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 13.2 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 35.43 ng m
RT: 17.09 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF078280.D
Acq: 7 Apr 2015 3:40

Tgt Ion:252 Resp: 355856
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 8.7 11.6 17.4#





#89

Benzo(a)pyrene

Concen: 134.74 ng

RT: 17.43 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

Instrument :

BNA_F

ClientSampleId :

SB-3D

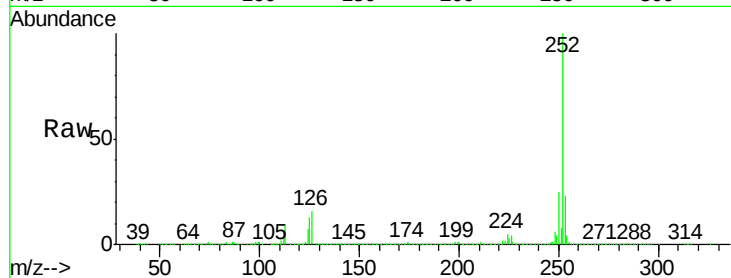
Tot Ion:252 Resp: 1328989

Ion Ratio Lower Upper

252 100

253 23.2 16.8 25.2

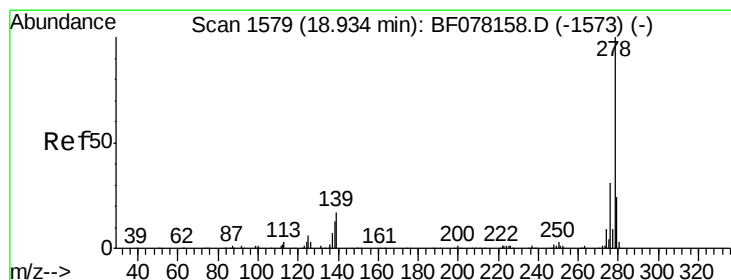
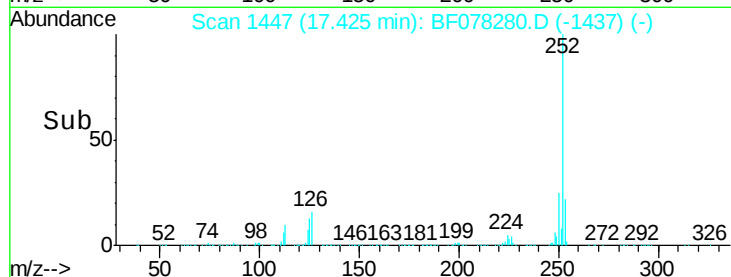
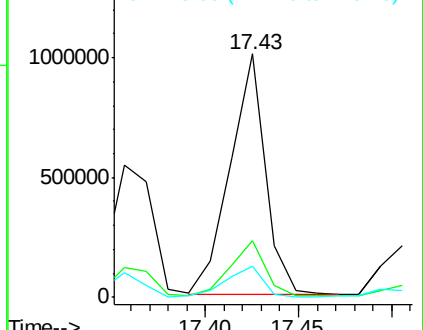
125 13.0 7.4 11.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 11.59 ng

RT: 18.76 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

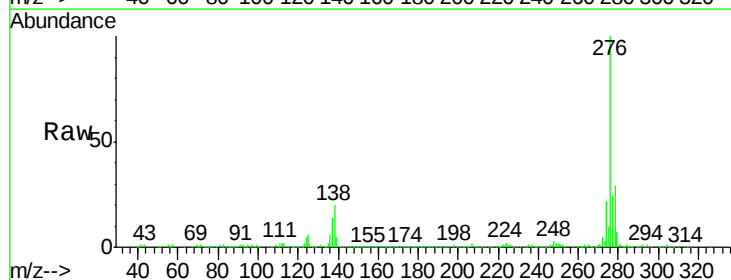
Tgt Ion:278 Resp: 114408

Ion Ratio Lower Upper

278 100

139 19.1 13.6 20.4

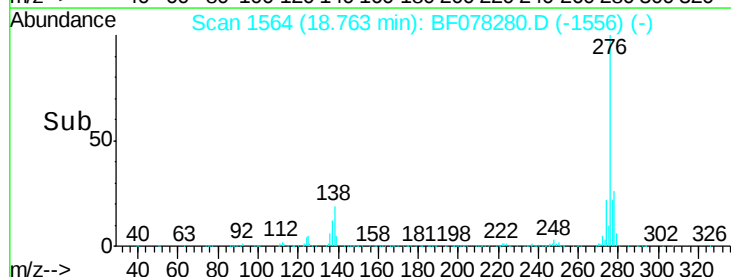
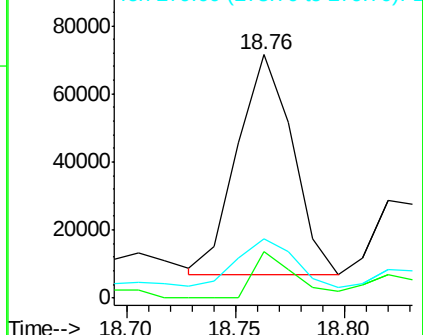
279 24.5 19.0 28.6

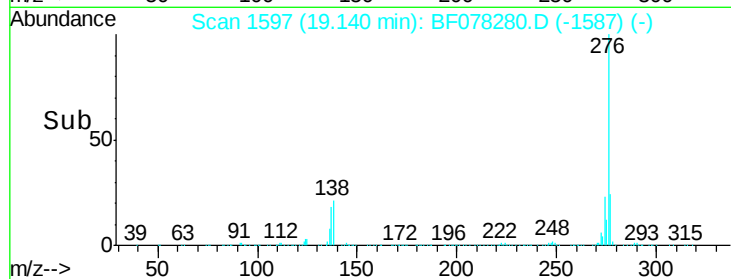
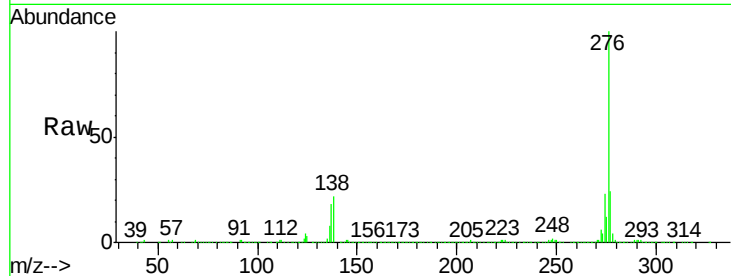
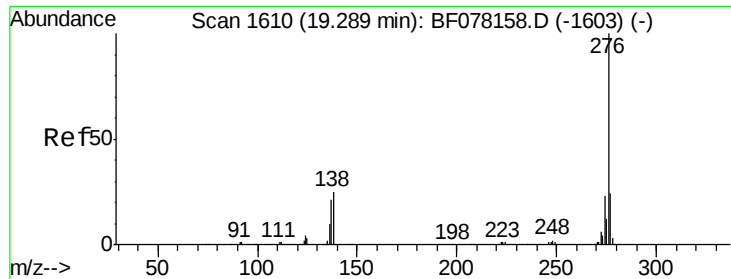


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 83.22 ng

RT: 19.14 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF078280.D

Acq: 7 Apr 2015 3:40

Instrument :

BNA_F

ClientSampleId :

SB-3D

Tot Ion:276 Resp: 823938

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 21.5 19.9 29.9

