

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022615\
 Data File : BF077486.D
 Acq On : 27 Feb 2015 3:07
 Operator : TP/IZ
 Sample : G1385-07 5X
 Misc : S
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4

Quant Time: Feb 27 07:16:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 07:02:57 2015
 Response via : Initial Calibration

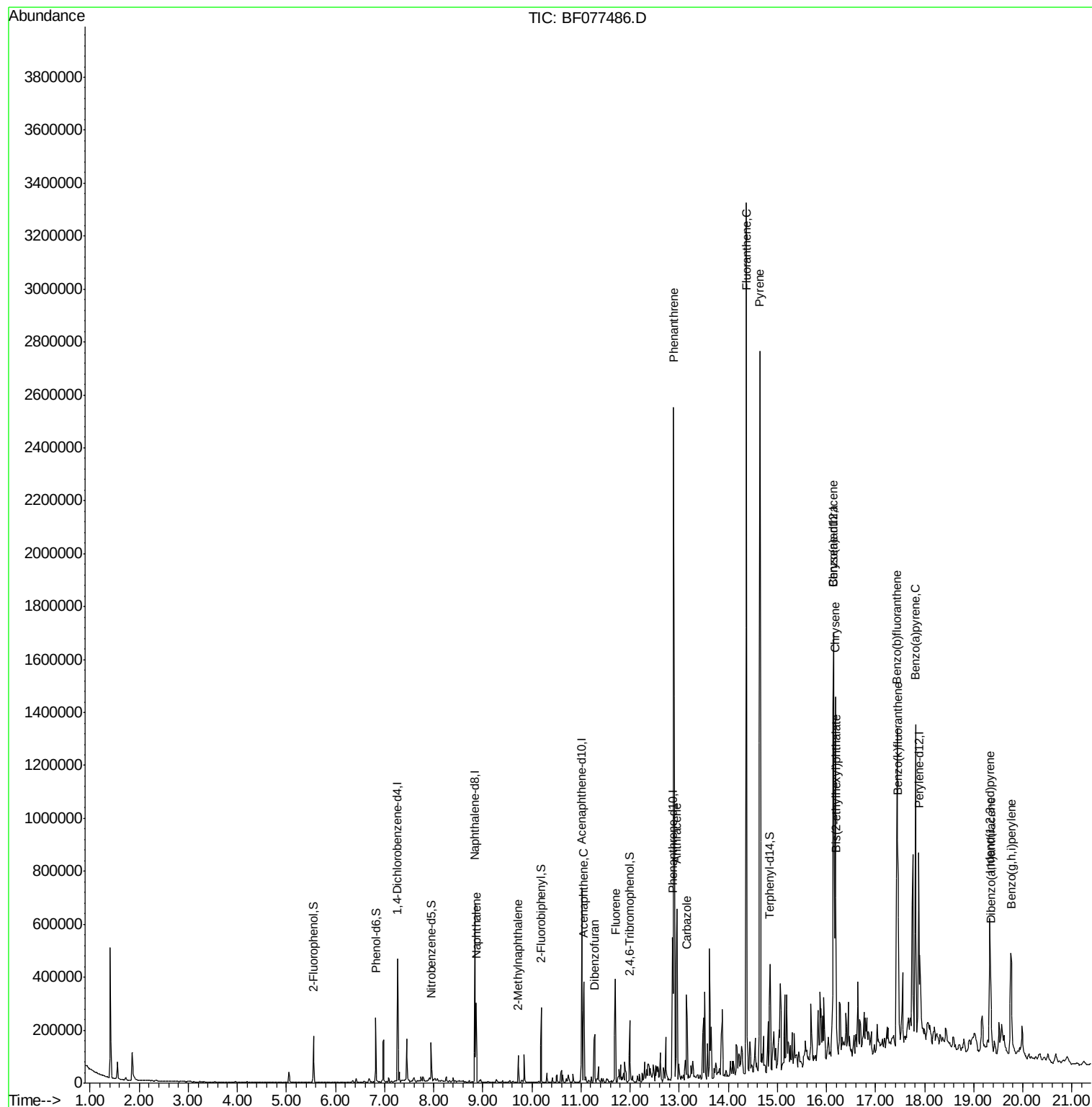
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	73055	20.00	ng	0.00
21) Naphthalene-d8	8.84	136	295618	20.00	ng	0.00
38) Acenaphthene-d10	11.02	164	155480	20.00	ng	0.00
63) Phenanthrene-d10	12.86	188	300701	20.00	ng	0.00
75) Chrysene-d12	16.15	240	338949	20.00	ng	0.00
86) Perylene-d12	17.88	264	355594	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	56180	12.84	ng	0.00
7) Phenol-d6	6.82	99	79629	14.15	ng	0.00
23) Nitrobenzene-d5	7.95	82	44174	9.29	ng	0.00
41) 2,4,6-Tribromophenol	12.00	330	17035	11.38	ng	0.00
44) 2-Fluorobiphenyl	10.19	172	107705	10.80	ng	0.00
78) Terphenyl-d14	14.86	244	128949	8.89	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.87	128	139694	9.45	ng	99
37) 2-Methylnaphthalene	9.73	142	36221	3.45	ng	97
51) Acenaphthene	11.06	154	101441	11.62	ng	98
54) Dibenzofuran	11.27	168	103667	7.69	ng	94
57) Fluorene	11.70	166	120077	11.15	ng	98
70) Phenanthrene	12.89	178	1246933	71.55	ng	98
71) Anthracene	12.95	178	337365	19.51	ng	99
72) Carbazole	13.16	167	177967	10.82	ng	99
74) Fluoranthene	14.37	202	1559672	81.92	ng	98
77) Pyrene	14.65	202	1268849	61.20	ng	96
80) Benzo(a)anthracene	16.14	228	720078	36.25	ng	97
82) Chrysene	16.18	228	602567	32.30	ng	97
83) Bis(2-ethylhexyl)phthalate	16.20	149	42371	3.10	ng	# 94
85) Indeno(1,2,3-cd)pyrene	19.33	276	336738	15.83	ng	96
87) Benzo(b)fluoranthene	17.45	252	1020134	49.33	ng	# 96
88) Benzo(k)fluoranthene	17.45	252	1026669	50.66	ng	98
89) Benzo(a)pyrene	17.82	252	545192	27.68	ng	98
90) Dibenzo(a,h)anthracene	19.35	278	76283	4.06	ng	# 91
91) Benzo(g,h,i)perylene	19.76	276	325957	17.19	ng	# 94

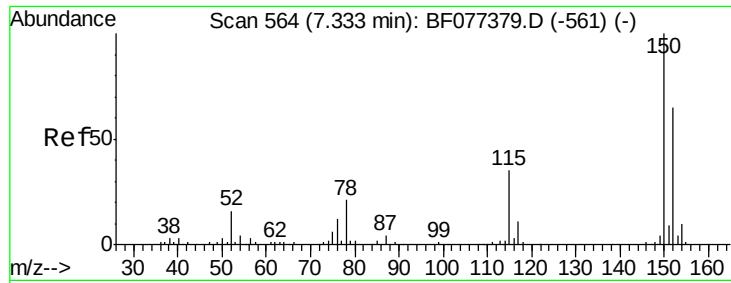
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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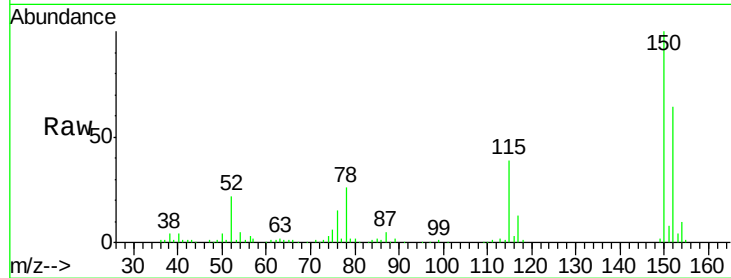


#1

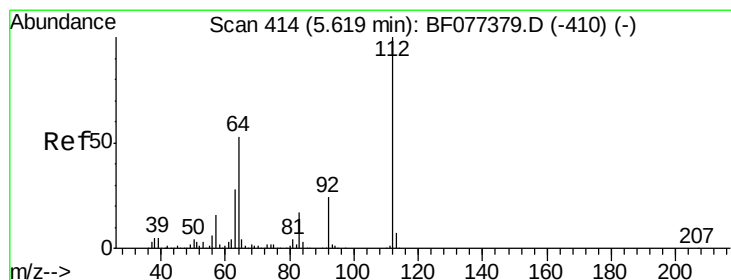
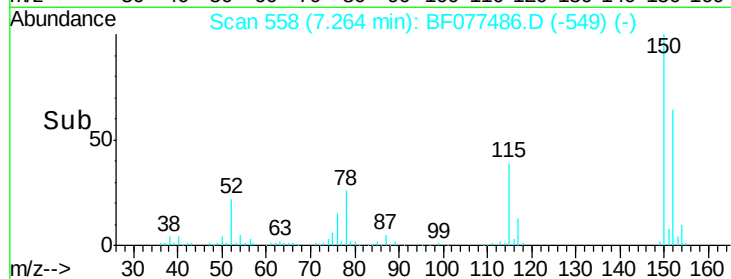
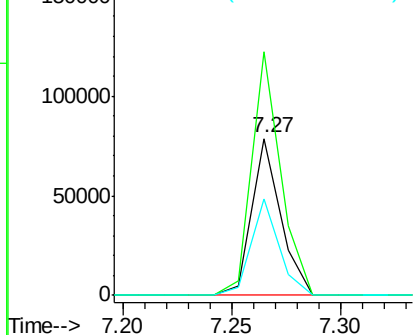
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.27 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4

Tgt Ion:152 Resp: 73055
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.0 186.0
 115 61.2 49.4 74.2



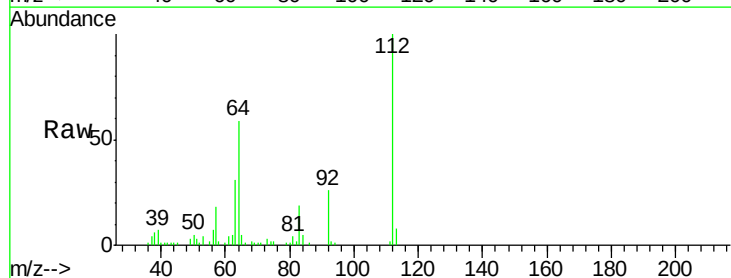
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



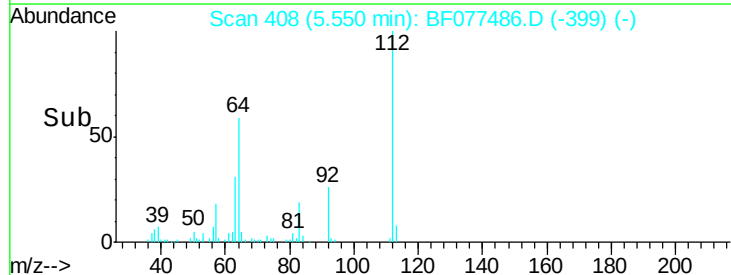
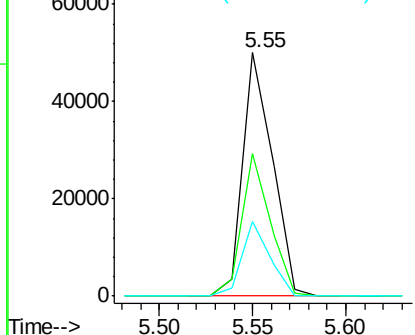
#5

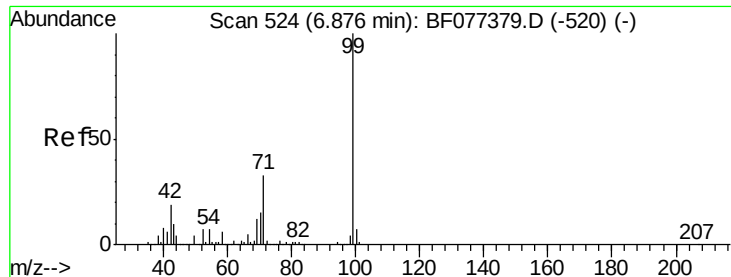
2-Fluorophenol
 Concen: 12.84 ng
 RT: 5.55 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Tgt Ion:112 Resp: 56180
 Ion Ratio Lower Upper
 112 100
 64 58.6 48.5 72.7
 63 30.9 25.0 37.4



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: 14.15 ng

RT: 6.82 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

ClientSampleId :

B-9-D4

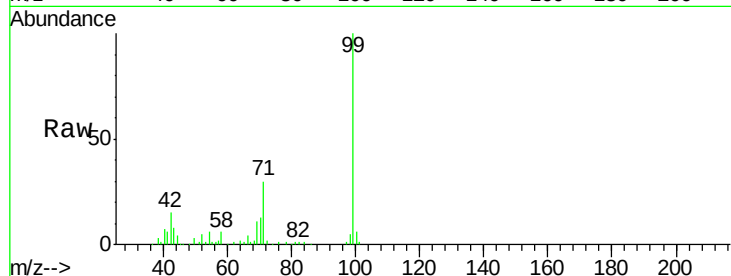
Tgt Ion: 99 Resp: 79629

Ion Ratio Lower Upper

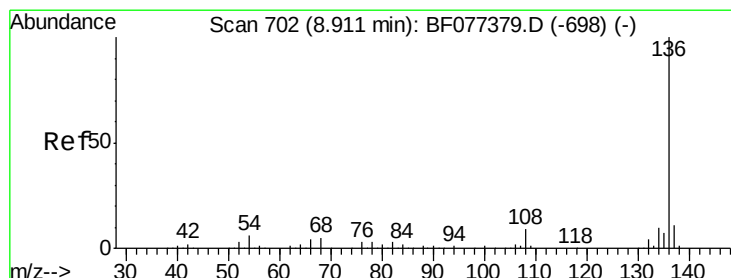
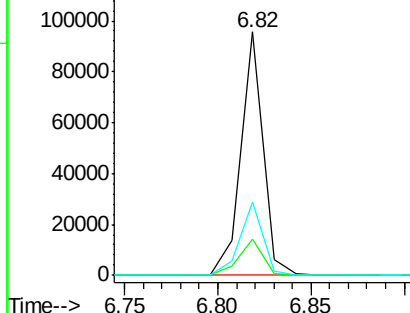
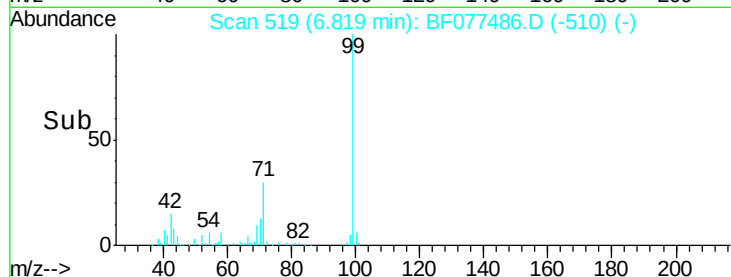
99 100

42 15.1 16.2 24.4#

71 30.4 26.7 40.1



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: 8.84 min Scan# 696

Delta R.T. -0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Tgt Ion: 136 Resp: 295618

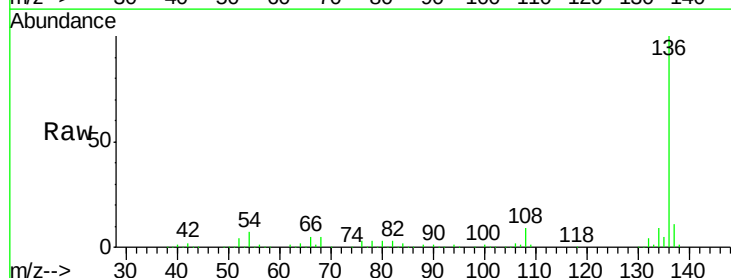
Ion Ratio Lower Upper

136 100

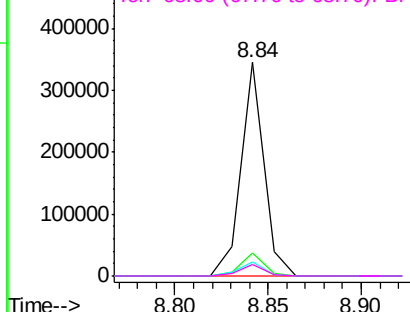
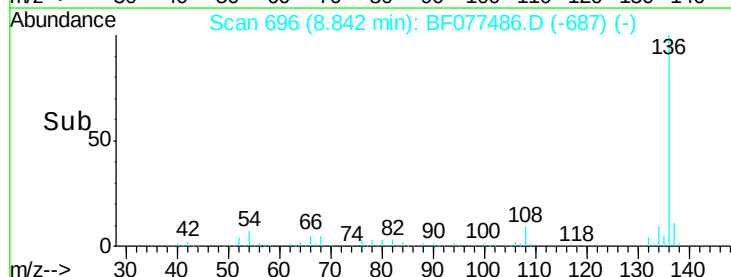
137 10.9 8.6 13.0

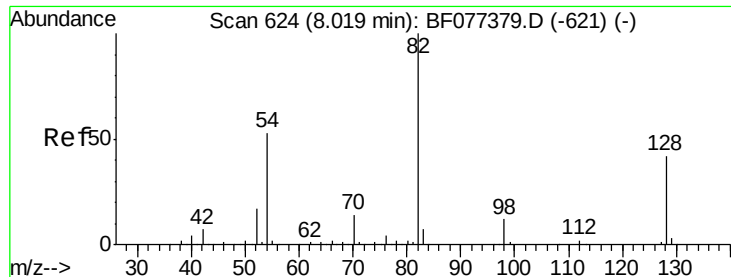
54 6.8 6.2 9.4

68 5.1 5.0 7.6



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

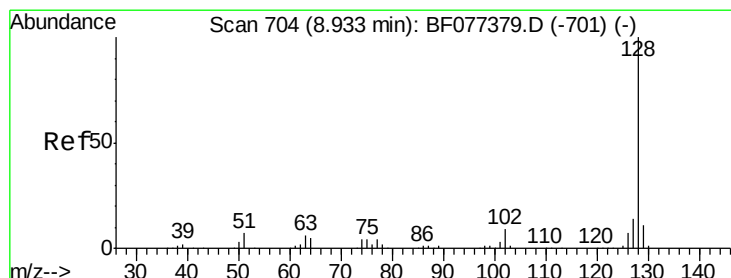
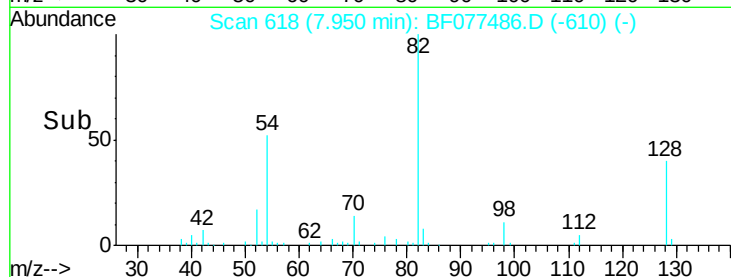
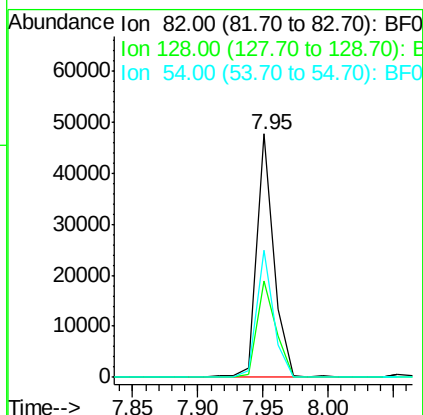
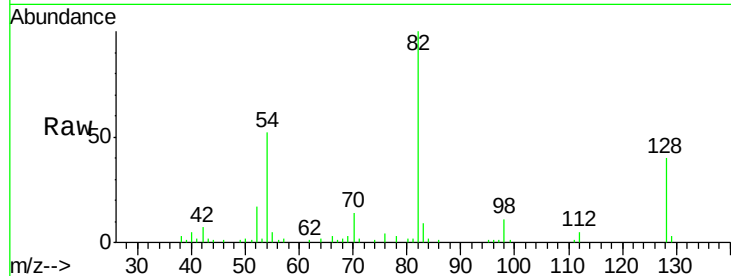




#23
 Nitrobenzene-d5
 Concen: 9.29 ng
 RT: 7.95 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

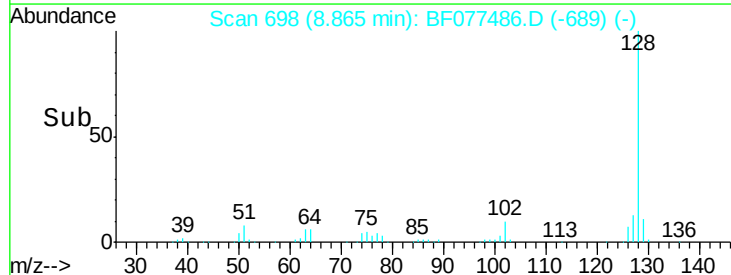
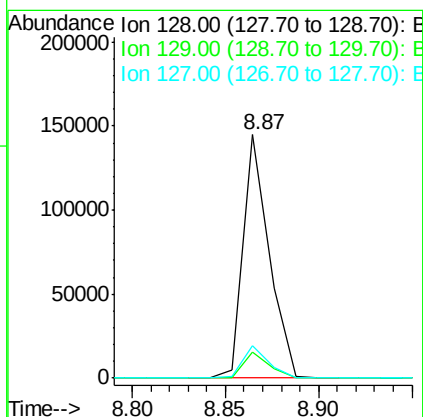
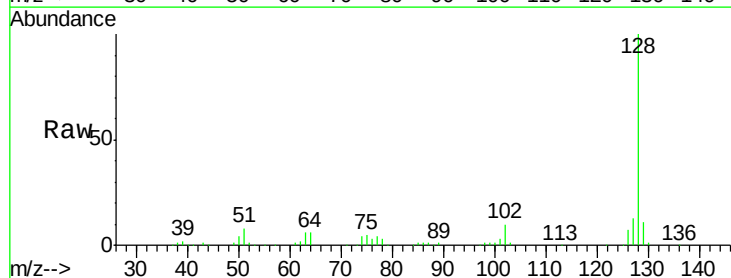
Instrument :
 BNA_F
 ClientSampled :
 B-9-D4

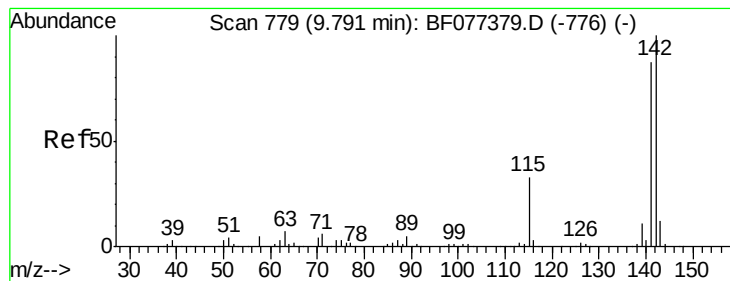
Tgt Ion: 82 Resp: 44174
 Ion Ratio Lower Upper
 82 100
 128 39.8 43.8 65.8#
 54 52.1 36.7 55.1



#31
 Naphthalene
 Concen: 9.45 ng
 RT: 8.87 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Tgt Ion: 128 Resp: 139694
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.4 14.0
 127 13.4 10.6 15.8





#37

2-Methylnaphthalene

Concen: 3.45 ng

RT: 9.73 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

ClientSampleId :

B-9-D4

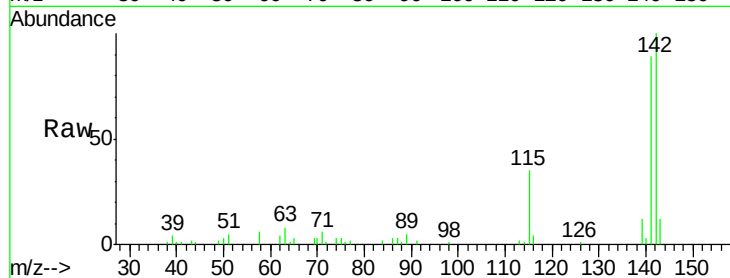
Tgt Ion:142 Resp: 36221

Ion Ratio Lower Upper

142 100

141 89.0 70.7 106.1

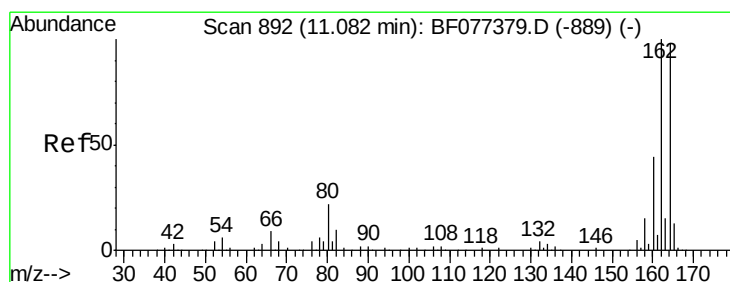
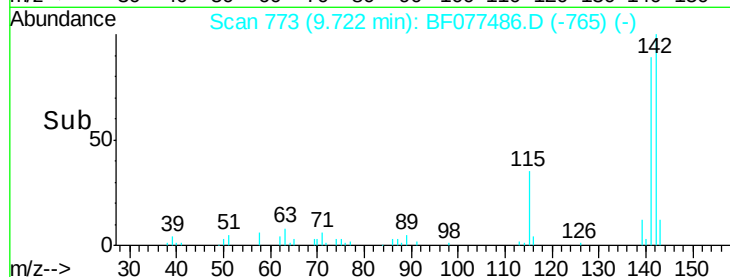
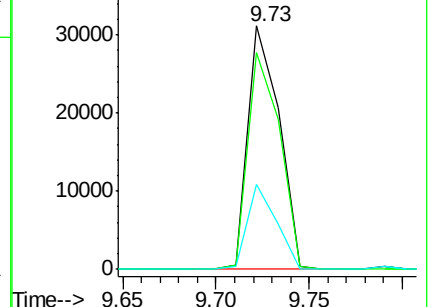
115 34.7 24.2 36.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.02 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

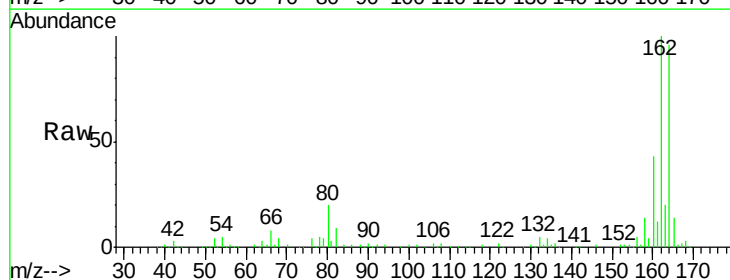
Tgt Ion:164 Resp: 155480

Ion Ratio Lower Upper

164 100

162 104.0 83.2 124.8

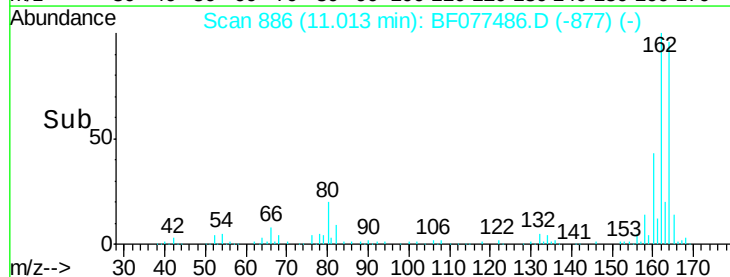
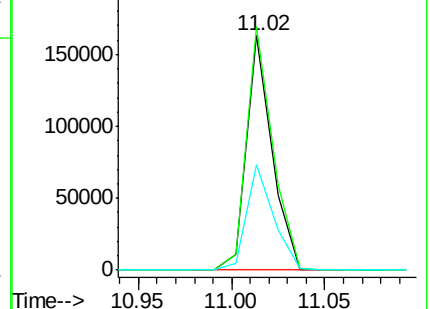
160 45.0 34.6 52.0

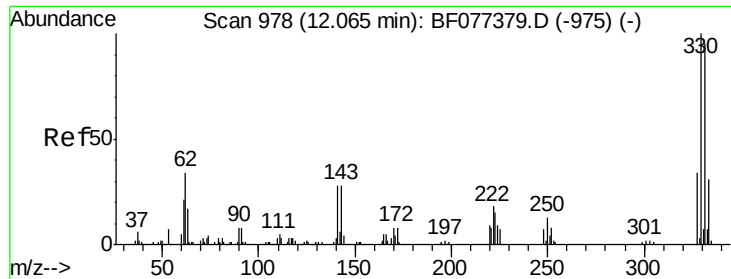


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

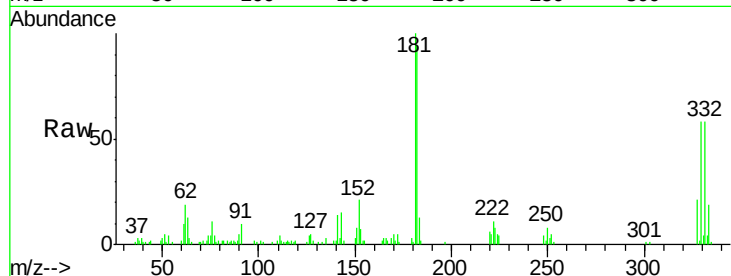




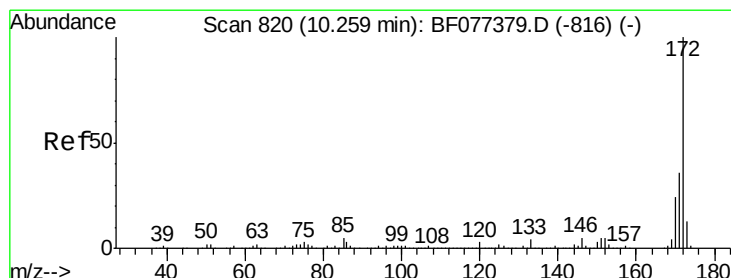
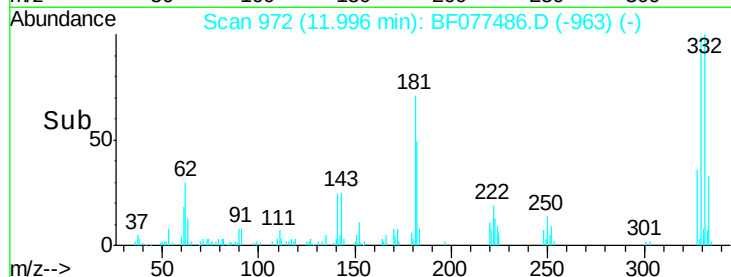
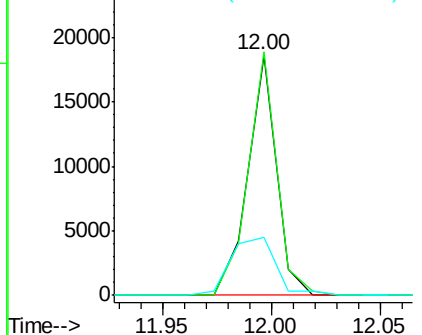
#41
 2,4,6-Tribromophenol
 Concen: 11.38 ng
 RT: 12.00 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4

Tgt Ion:330 Resp: 17035
 Ion Ratio Lower Upper
 330 100
 332 101.3 77.4 116.2
 141 38.5 28.8 43.2

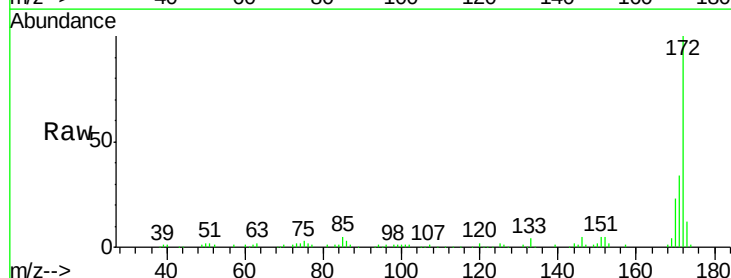


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

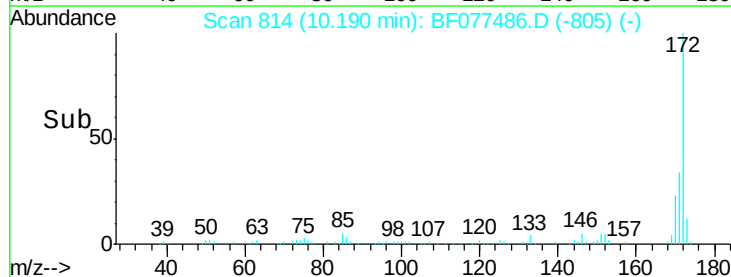
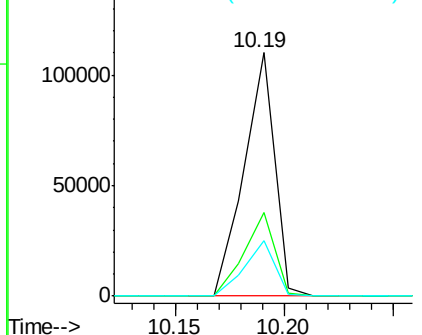


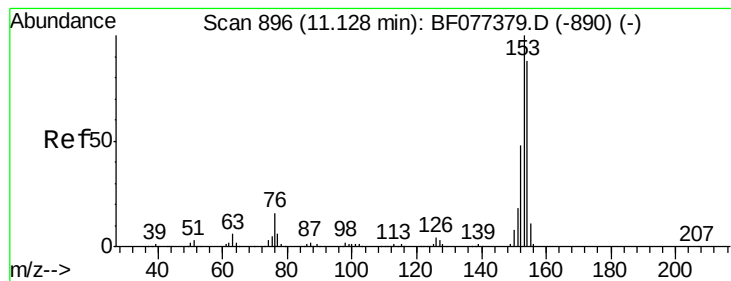
#44
 2-Fluorobiphenyl
 Concen: 10.80 ng
 RT: 10.19 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Tgt Ion:172 Resp: 107705
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.9 43.3
 170 22.5 19.4 29.2



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





#51

Acenaphthene

Concen: 11.62 ng

RT: 11.06 min Scan# 890

Delta R.T. -0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

ClientSampleId :

B-9-D4

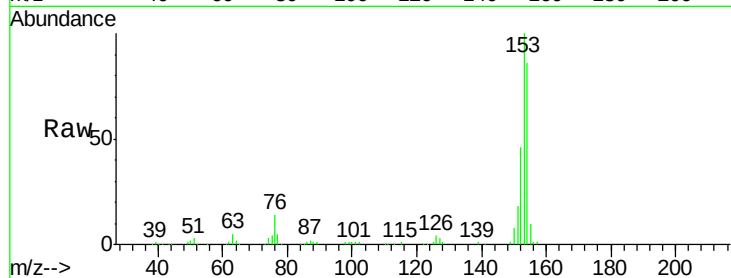
Tgt Ion:154 Resp: 101441

Ion Ratio Lower Upper

154 100

153 115.8 90.5 135.7

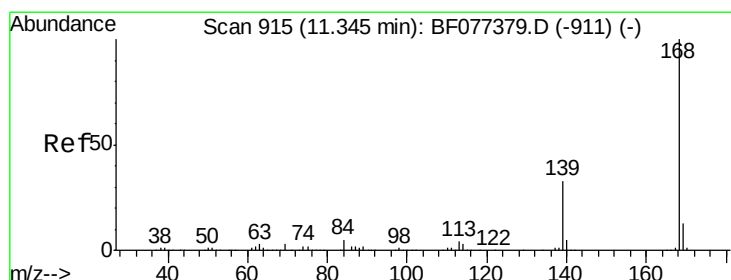
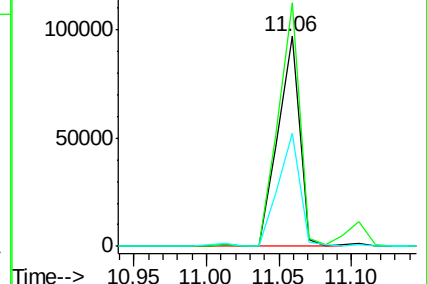
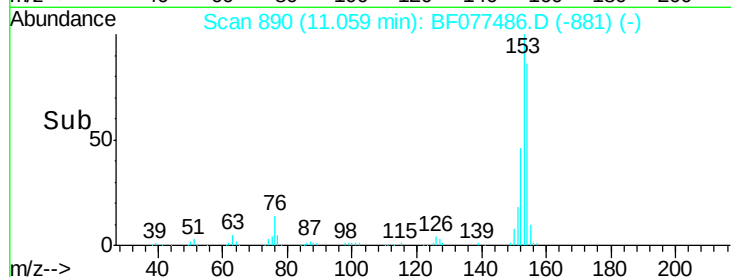
152 53.5 43.5 65.3



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: 7.69 ng

RT: 11.27 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

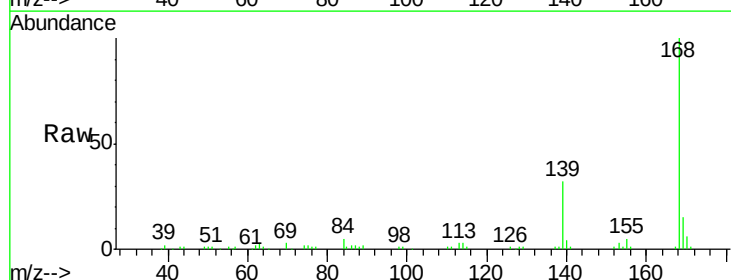
Tgt Ion:168 Resp: 103667

Ion Ratio Lower Upper

168 100

139 32.5 29.3 43.9

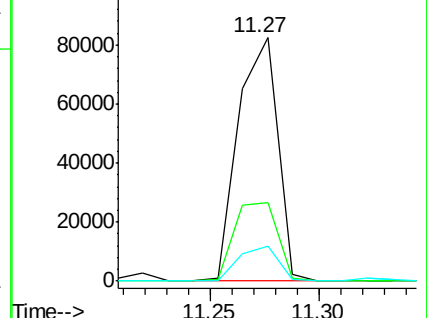
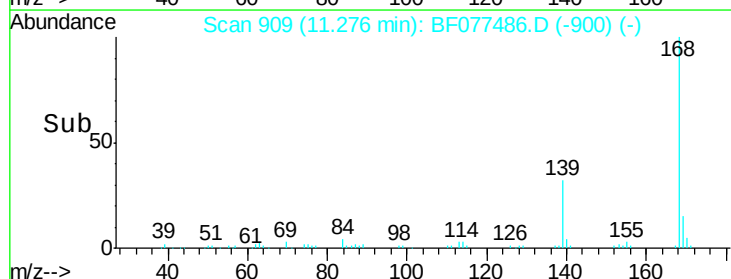
169 14.5 10.9 16.3

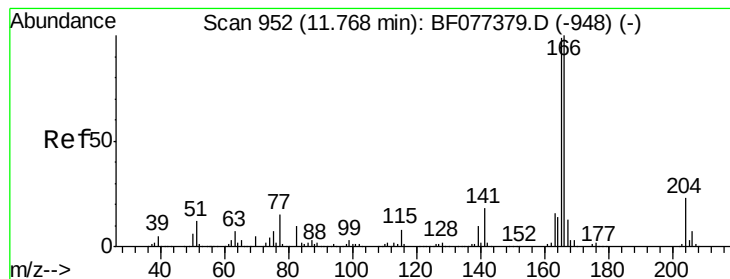


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 11.15 ng

RT: 11.70 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

ClientSampleId :

B-9-D4

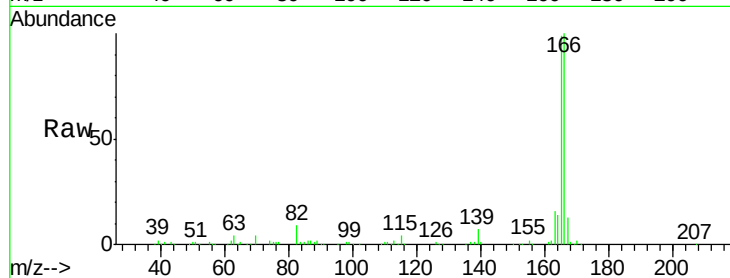
Tgt Ion:166 Resp: 120077

Ion Ratio Lower Upper

166 100

165 99.3 77.6 116.4

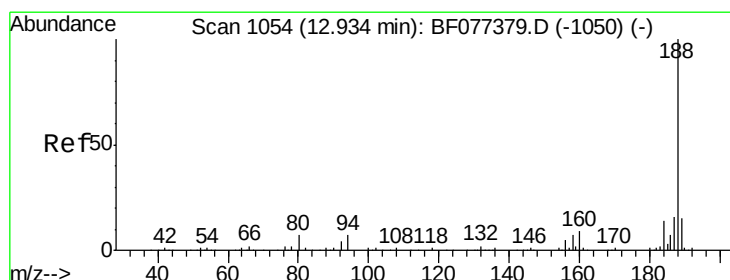
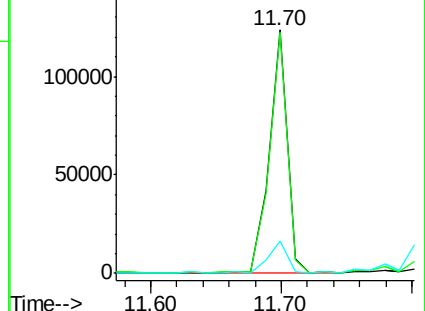
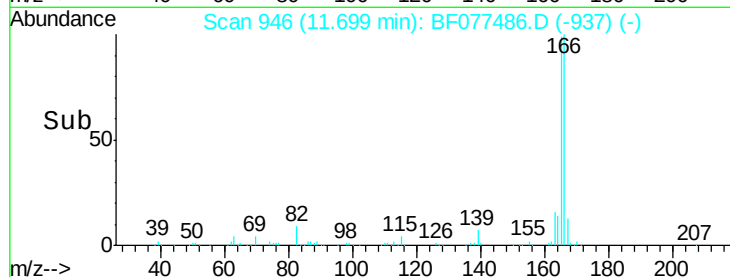
167 13.3 10.6 16.0



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: 12.86 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

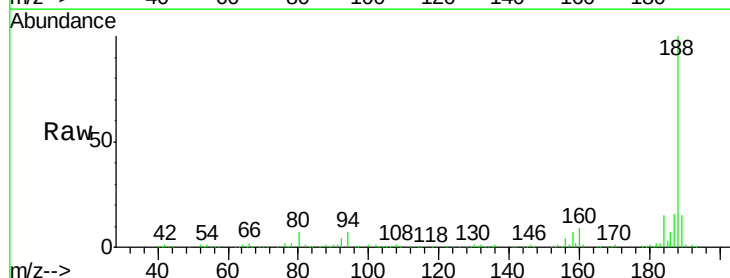
Tgt Ion:188 Resp: 300701

Ion Ratio Lower Upper

188 100

94 6.9 7.4 11.2#

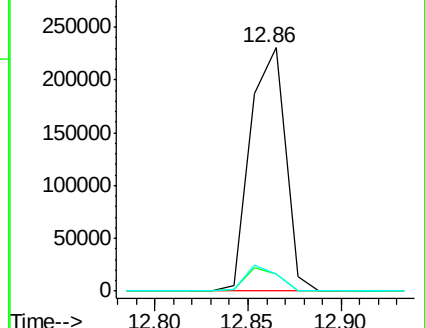
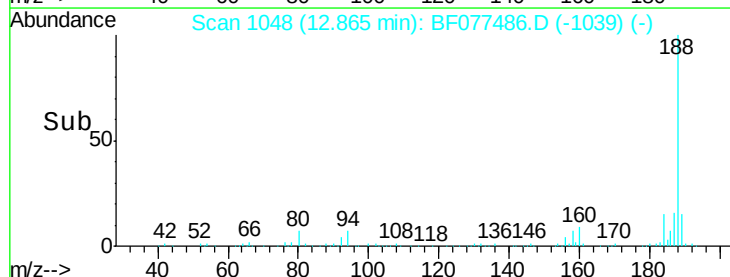
80 7.2 8.0 12.0#

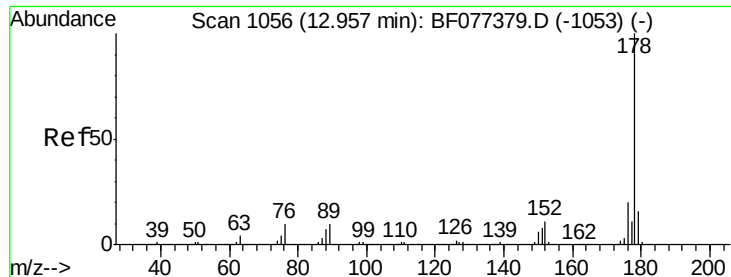


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 71.55 ng

RT: 12.89 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

ClientSampleId :

B-9-D4

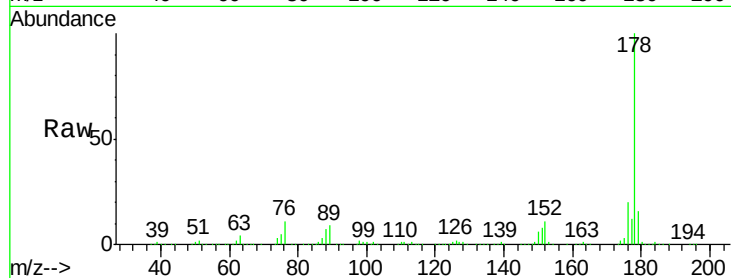
Tgt Ion:178 Resp: 1246933

Ion Ratio Lower Upper

178 100

176 20.1 15.5 23.3

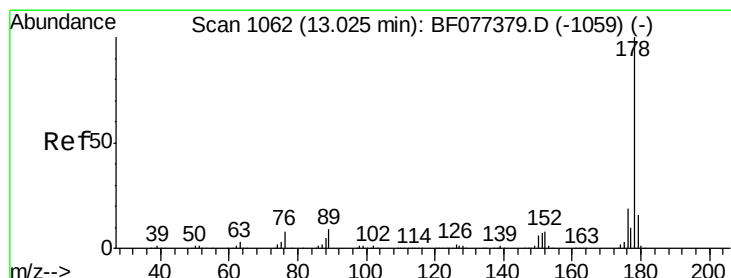
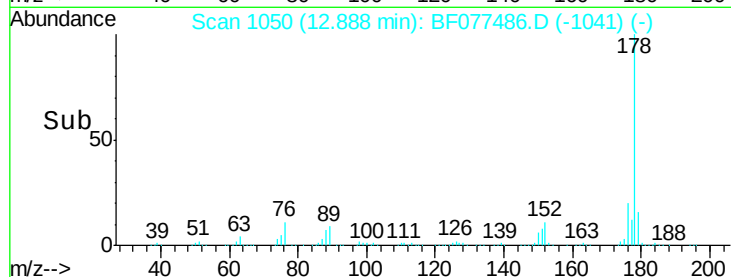
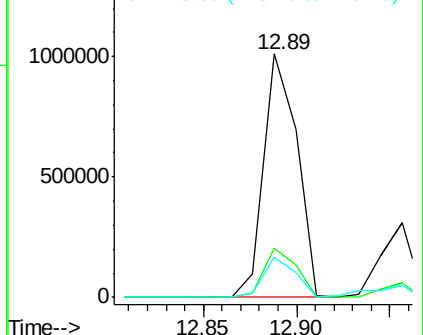
179 16.5 12.2 18.2



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: 19.51 ng

RT: 12.95 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

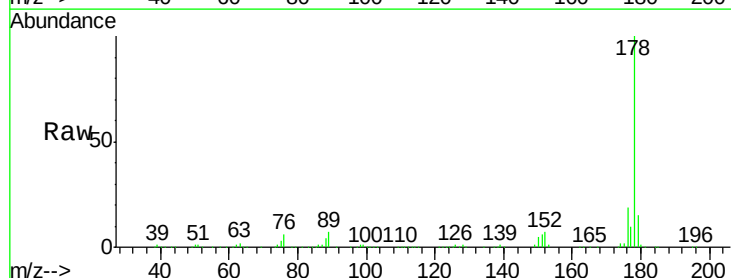
Tgt Ion:178 Resp: 337365

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

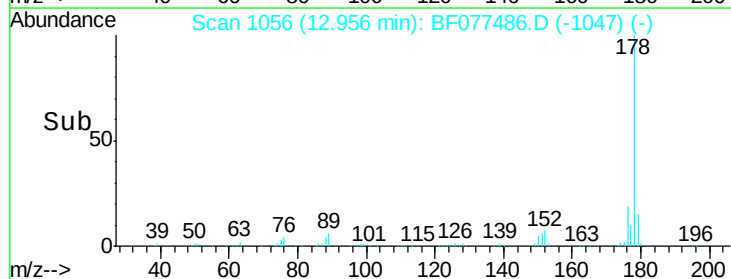
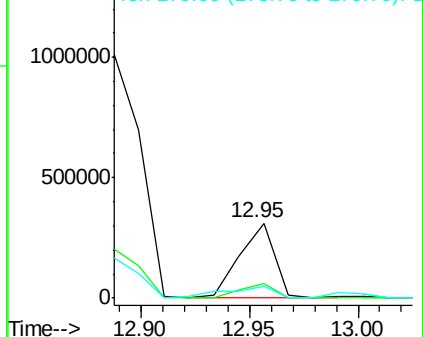
179 15.2 12.9 19.3

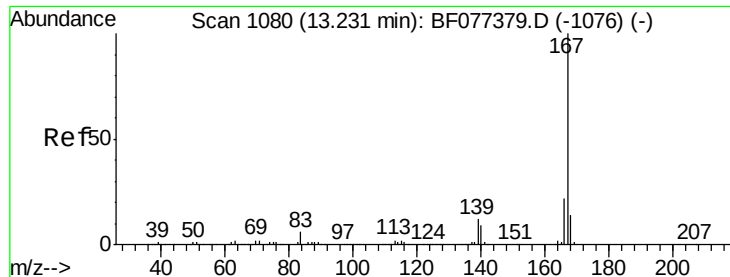


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

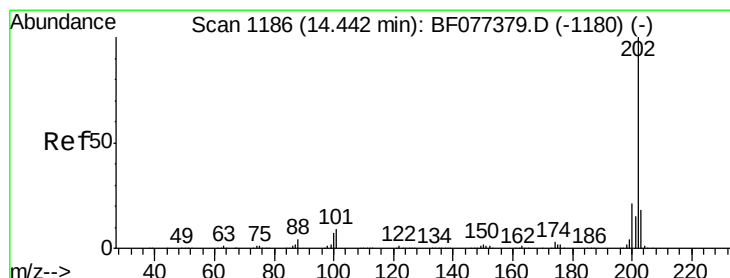
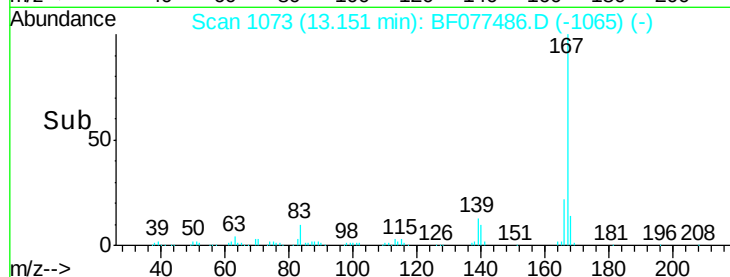
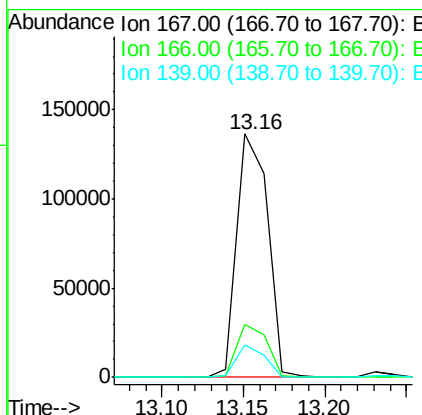
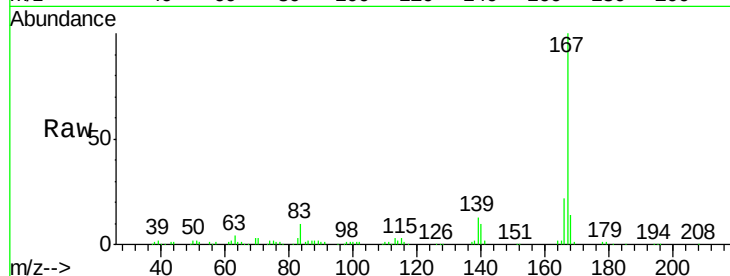




#72
 Carbazole
 Concen: 10.82 ng
 RT: 13.16 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

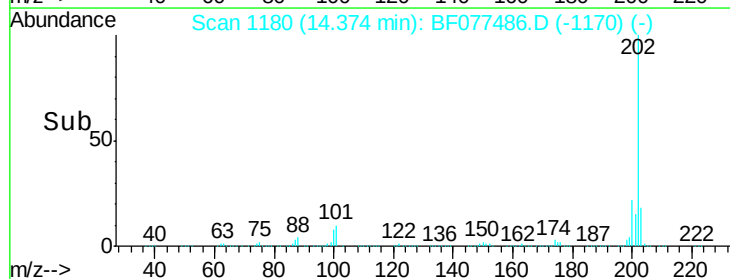
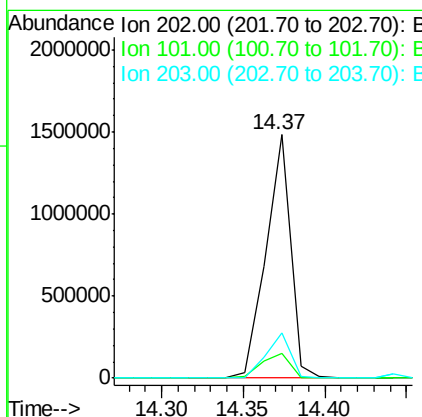
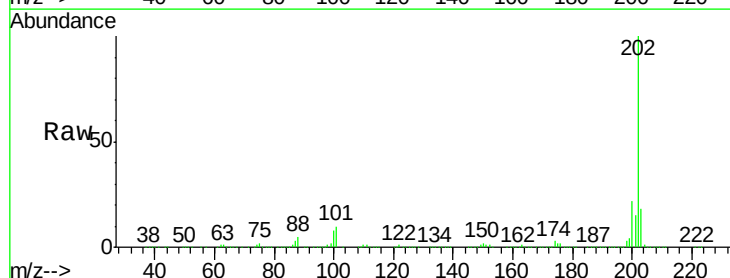
Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4

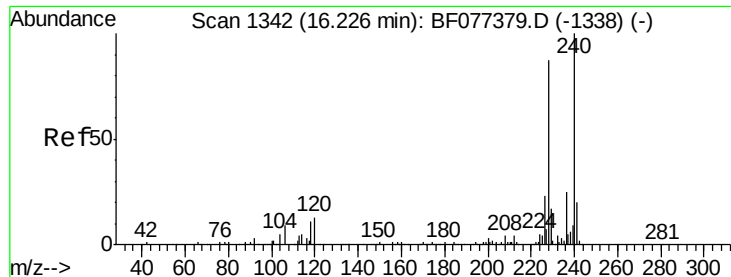
Tgt Ion:167 Resp: 177967
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.6 26.4
 139 13.2 9.9 14.9



#74
 Fluoranthene
 Concen: 81.92 ng
 RT: 14.37 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Tgt Ion:202 Resp: 1559672
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.8
 203 18.5 0.0 37.7

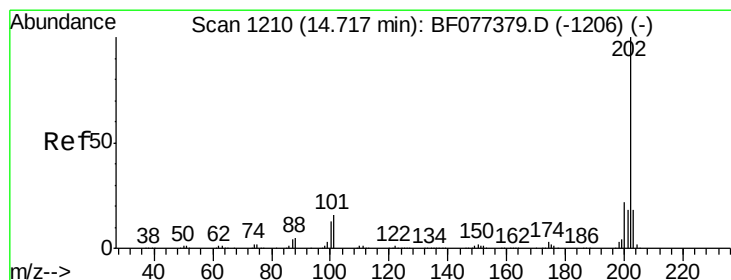
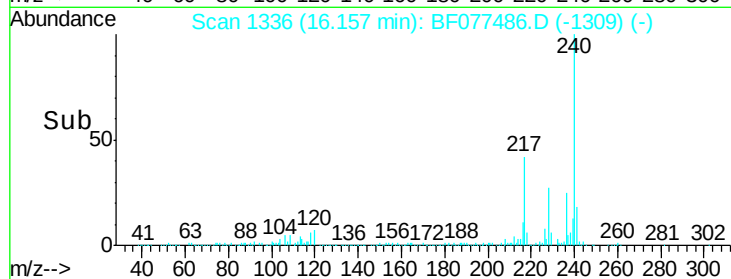
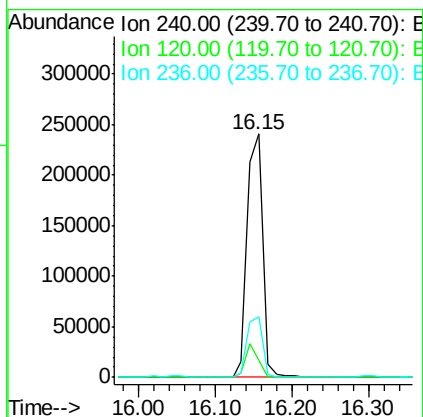
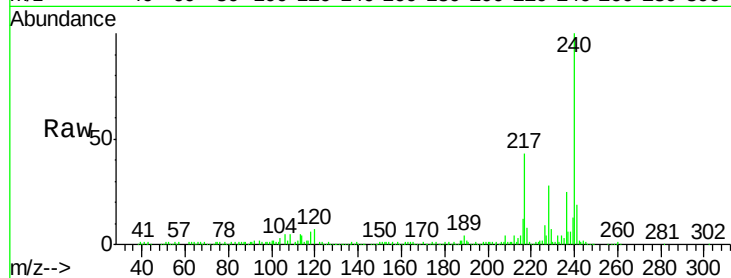




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.15 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

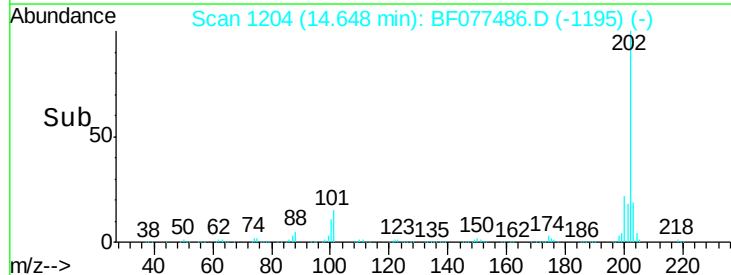
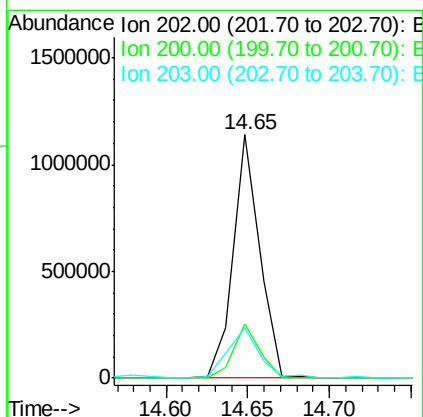
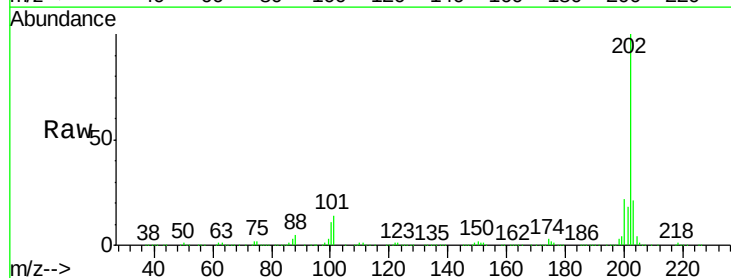
Instrument :
BNA_F
ClientSampleId :
B-9-D4

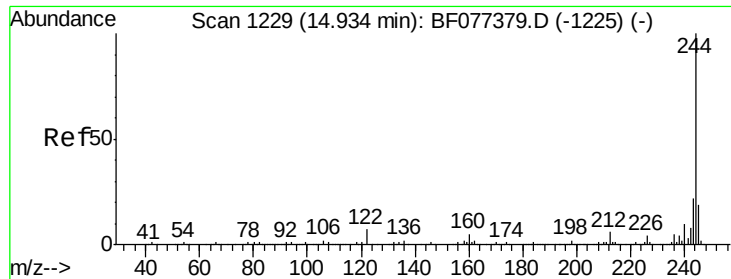
Tgt Ion:240 Resp: 338949
Ion Ratio Lower Upper
240 100
120 7.1 8.8 13.2#
236 25.1 20.7 31.1



#77
Pyrene
Concen: 61.20 ng
RT: 14.65 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Tgt Ion:202 Resp: 1268849
Ion Ratio Lower Upper
202 100
200 22.1 17.1 25.7
203 20.6 14.2 21.2

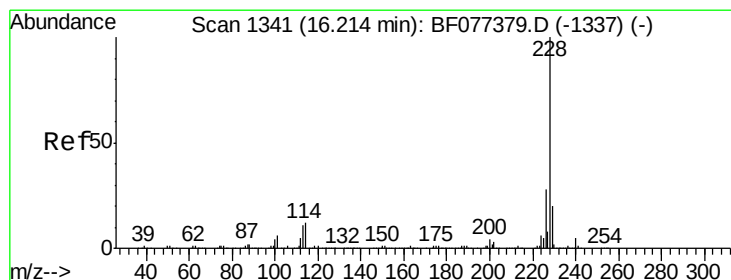
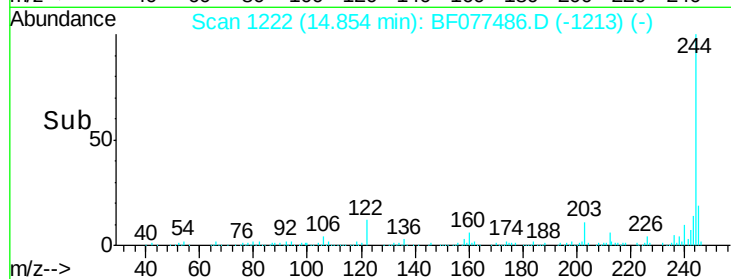
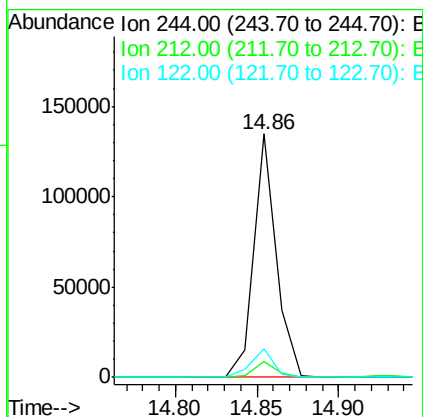
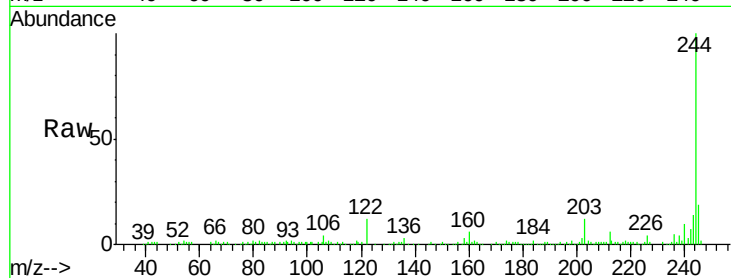




#78
 Terphenyl-d14
 Concen: 8.89 ng
 RT: 14.86 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

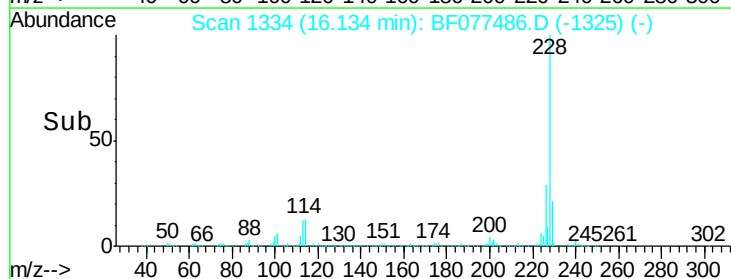
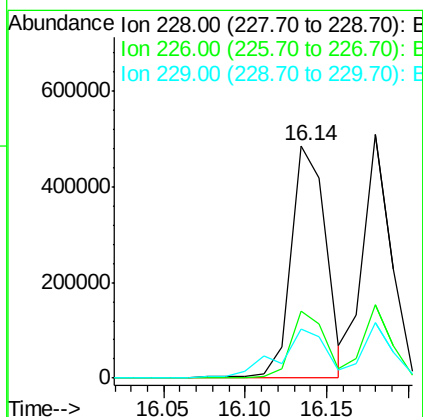
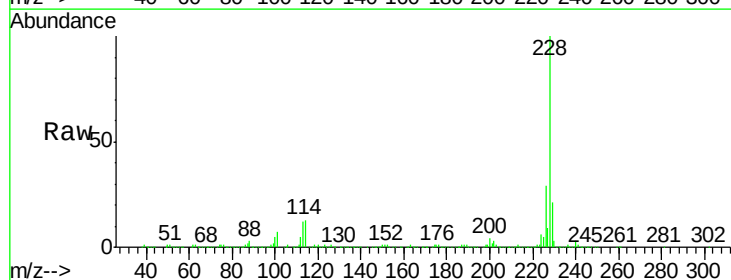
Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4

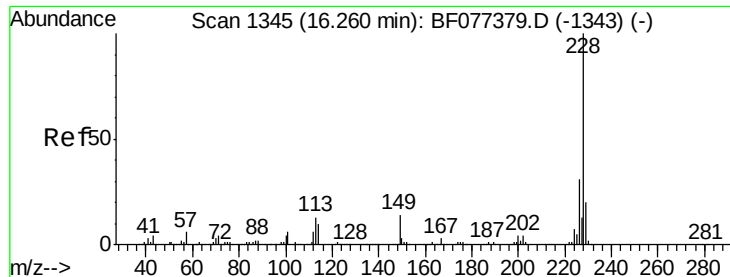
Tgt Ion:244 Resp: 128949
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 11.8 7.8 11.8#



#80
 Benzo(a)anthracene
 Concen: 36.25 ng
 RT: 16.14 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Tgt Ion:228 Resp: 720078
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.0 33.0
 229 21.3 15.8 23.8

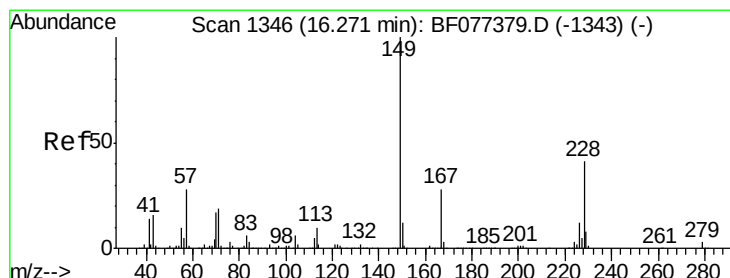
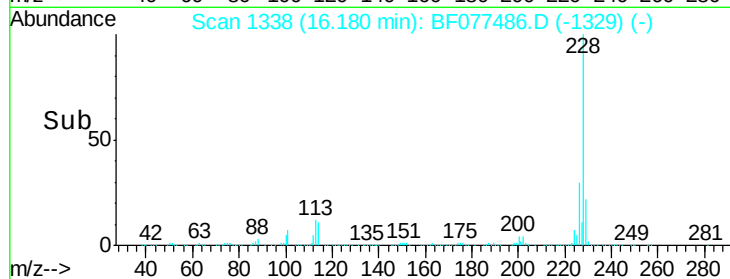
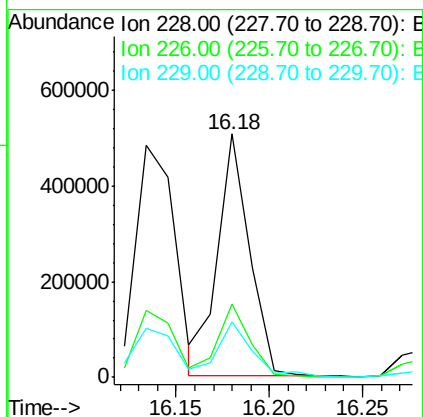
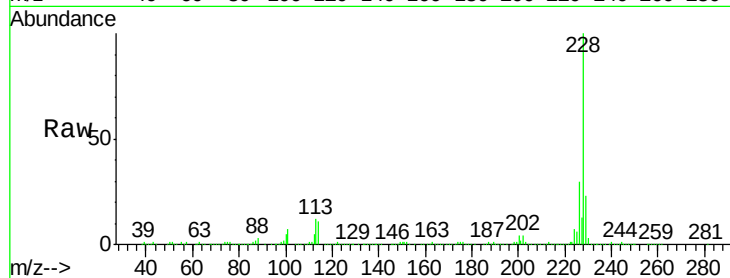




#82
 Chrysene
 Concen: 32.30 ng
 RT: 16.18 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

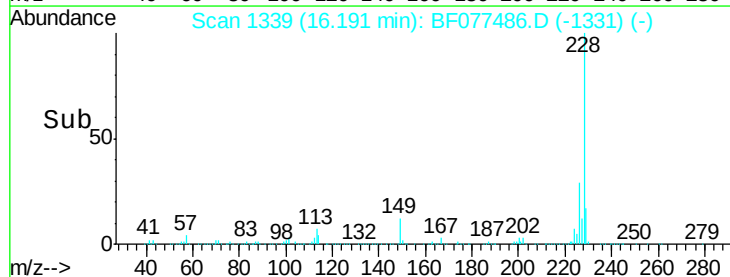
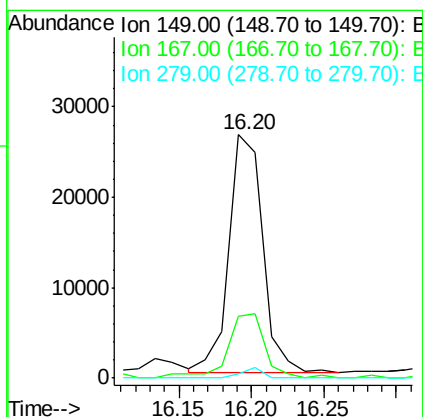
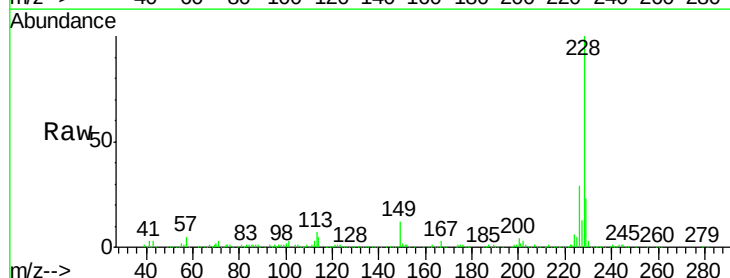
Instrument :
 BNA_F
 ClientSampleId :
 B-9-D4

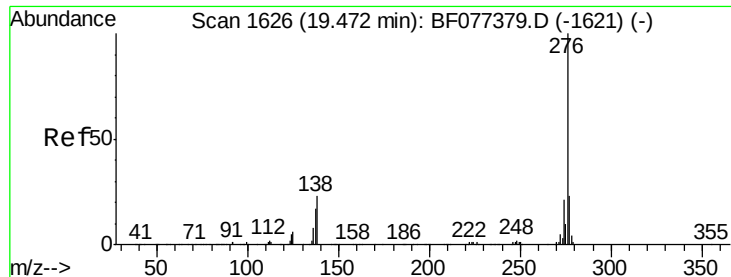
Tgt Ion: 228 Resp: 602567
 Ion Ratio Lower Upper
 228 100
 226 30.4 24.9 37.3
 229 22.7 16.4 24.6



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.10 ng
 RT: 16.20 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF077486.D
 Acq: 27 Feb 2015 3:07

Tgt Ion: 149 Resp: 42371
 Ion Ratio Lower Upper
 149 100
 167 25.4 22.8 34.2
 279 1.7 3.8 5.6#

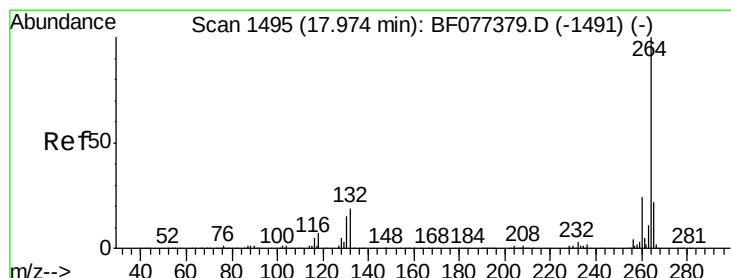
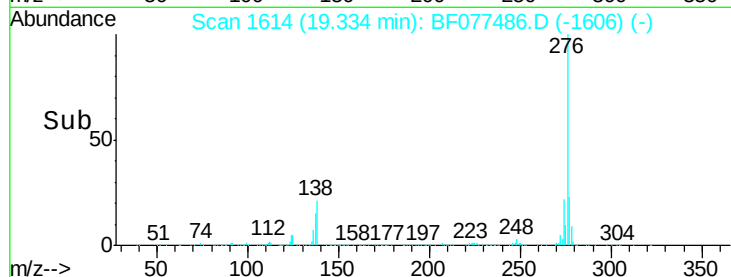
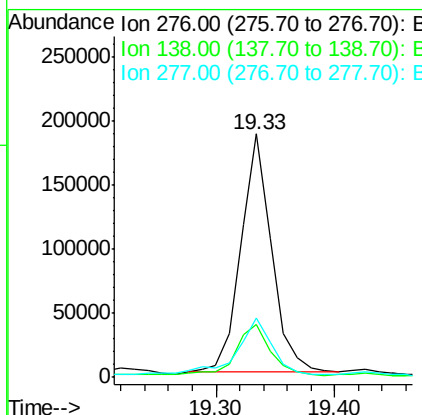
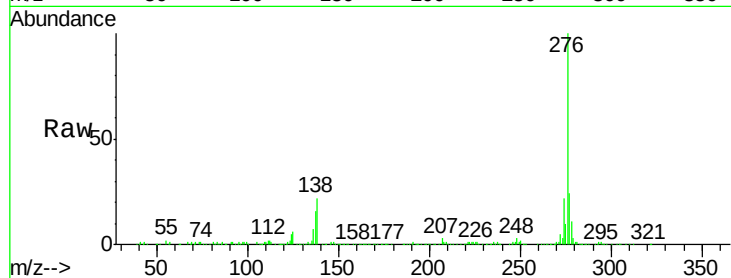




#85
Indeno(1,2,3-cd)pyrene
Concen: 15.83 ng
RT: 19.33 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

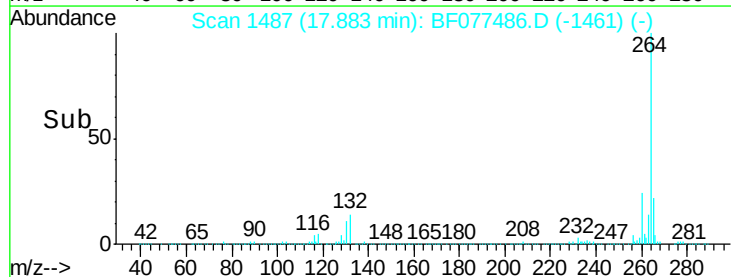
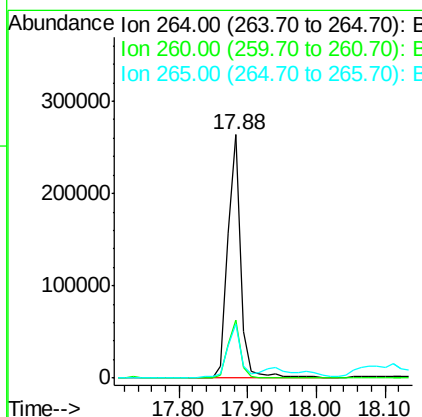
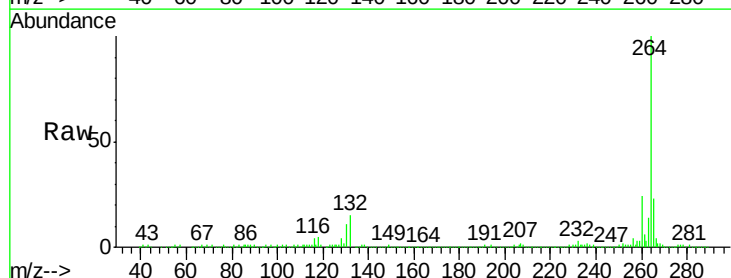
Instrument :
BNA_F
ClientSampleID :
B-9-D4

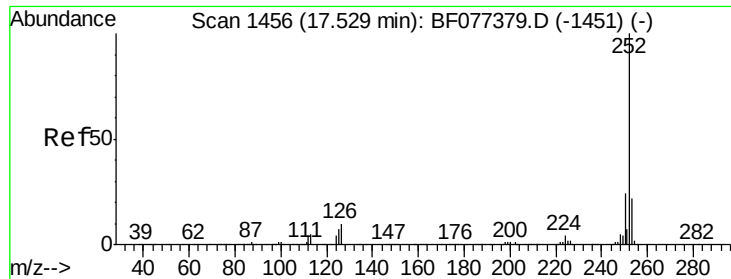
Tgt Ion: 276 Resp: 336738
Ion Ratio Lower Upper
276 100
138 23.1 21.2 31.8
277 25.9 20.0 30.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.88 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Tgt Ion: 264 Resp: 355594
Ion Ratio Lower Upper
264 100
260 23.9 19.3 28.9
265 22.5 16.8 25.2

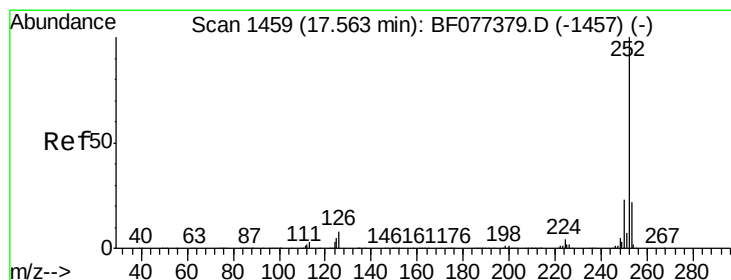
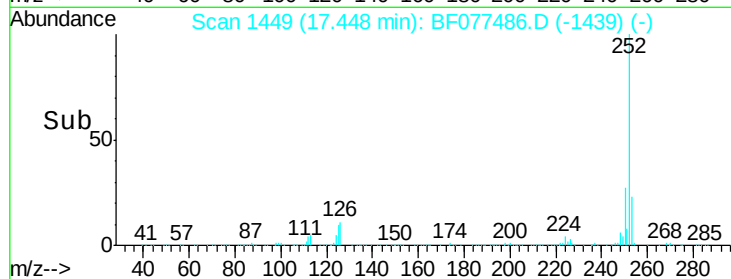
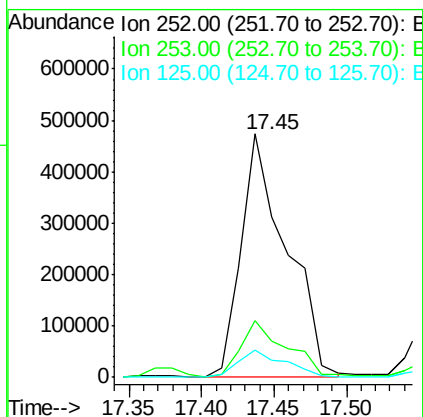
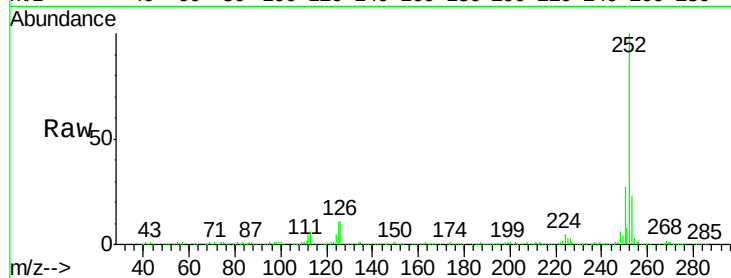




#87
Benzo(b)fluoranthene
Concen: 49.33 ng
RT: 17.45 min Scan# 1449
Delta R.T. 0.01 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

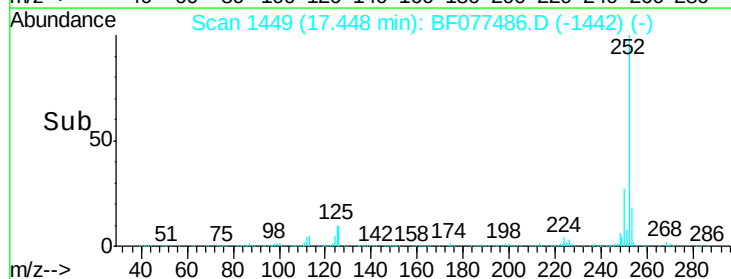
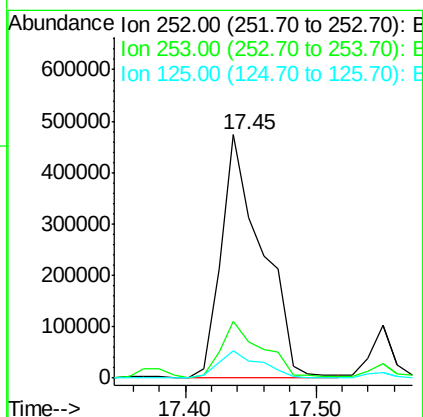
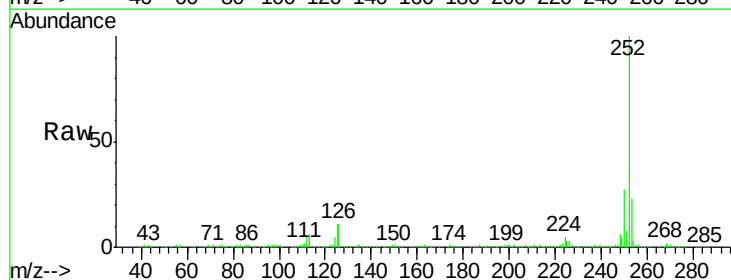
Instrument :
BNA_F
ClientSampleId :
B-9-D4

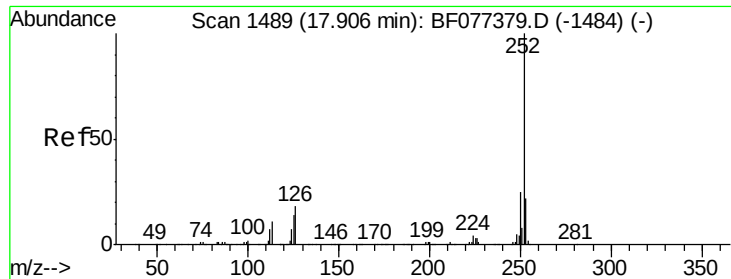
Tgt Ion:252 Resp: 1020134
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 10.6 5.4 8.2#



#88
Benzo(k)fluoranthene
Concen: 50.66 ng
RT: 17.45 min Scan# 1449
Delta R.T. -0.02 min
Lab File: BF077486.D
Acq: 27 Feb 2015 3:07

Tgt Ion:252 Resp: 1026669
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 10.6 10.1 15.1





#89

Benzo(a)pyrene

Concen: 27.68 ng

RT: 17.82 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

ClientSampleId :

B-9-D4

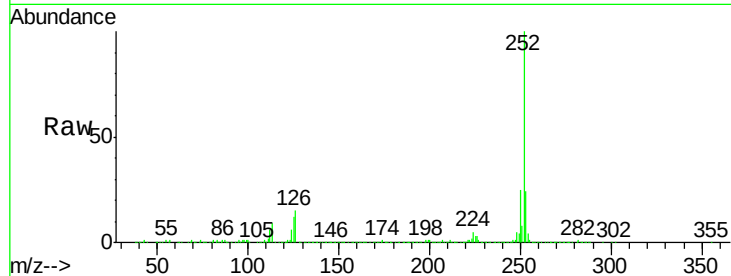
Tgt Ion:252 Resp: 545192

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

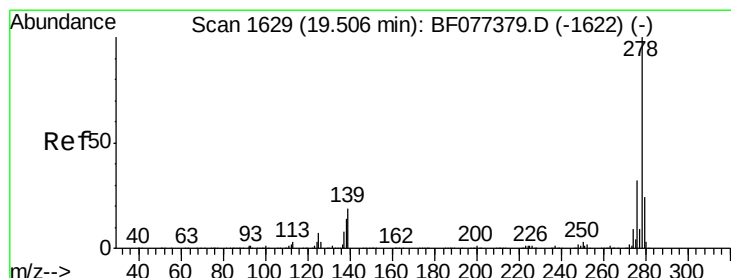
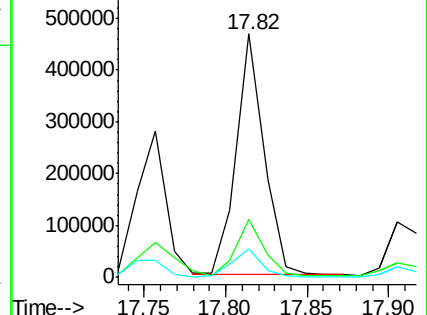
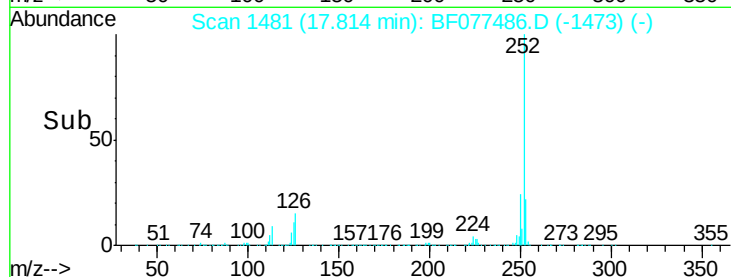
125 11.6 8.3 12.5



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: 4.06 ng

RT: 19.35 min Scan# 1616

Delta R.T. -0.03 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

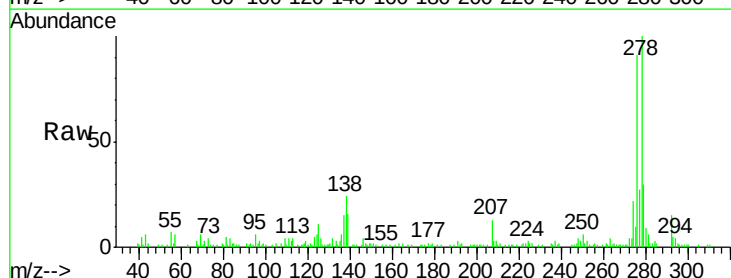
Tgt Ion:278 Resp: 76283

Ion Ratio Lower Upper

278 100

139 16.0 14.3 21.5

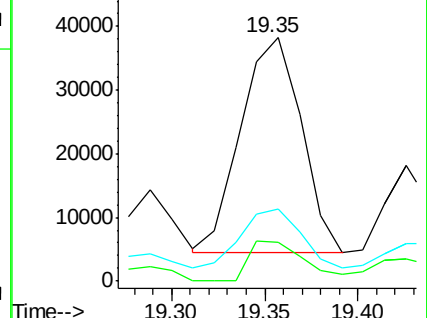
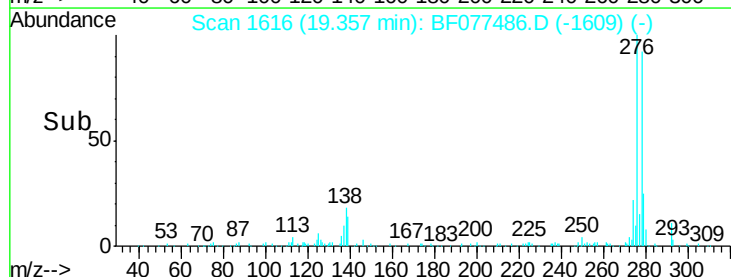
279 29.8 19.0 28.6#

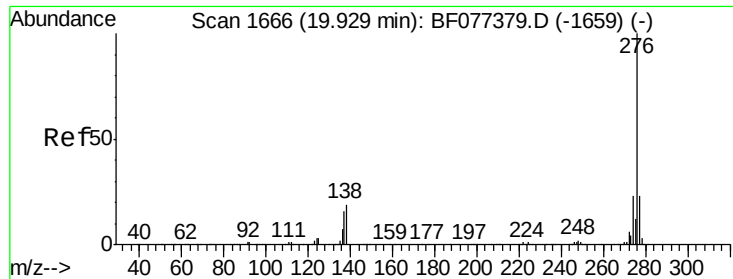


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 17.19 ng

RT: 19.76 min Scan# 1652

Delta R.T. -0.02 min

Lab File: BF077486.D

Acq: 27 Feb 2015 3:07

Instrument :

BNA_F

ClientSampleId :

B-9-D4

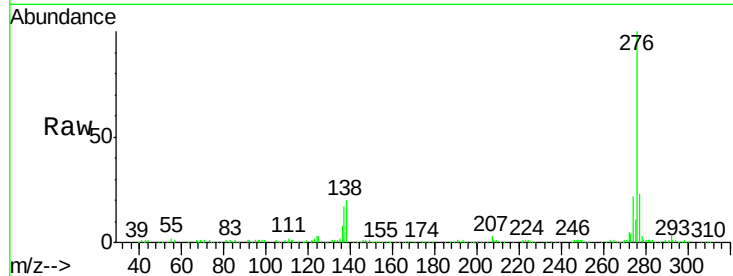
Tgt Ion: 276 Resp: 325957

Ion Ratio Lower Upper

276 100

277 23.4 18.9 28.3

138 20.2 20.5 30.7#



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

