

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022315\
 Data File : BF077406.D
 Acq On : 23 Feb 2015 15:41
 Operator : TP/IZ
 Sample : G1345-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB10PX3

Quant Time: Feb 24 01:20:04 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 23 23:58:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.34	152	76691	20.00	ng	0.01
21) Naphthalene-d8	8.92	136	329604	20.00	ng	0.01
38) Acenaphthene-d10	11.09	164	171056	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	323767	20.00	ng	0.01
75) Chrysene-d12	16.26	240	298347	20.00	ng	0.00
86) Perylene-d12	18.07	264	295813	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	482702	105.08	ng	0.02
7) Phenol-d6	6.90	99	628202	106.36	ng	0.01
23) Nitrobenzene-d5	8.03	82	366592	69.16	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	165734	100.62	ng	0.01
44) 2-Fluorobiphenyl	10.26	172	770581	70.24	ng	0.00
78) Terphenyl-d14	14.95	244	837362	65.61	ng	0.01

Target Compounds

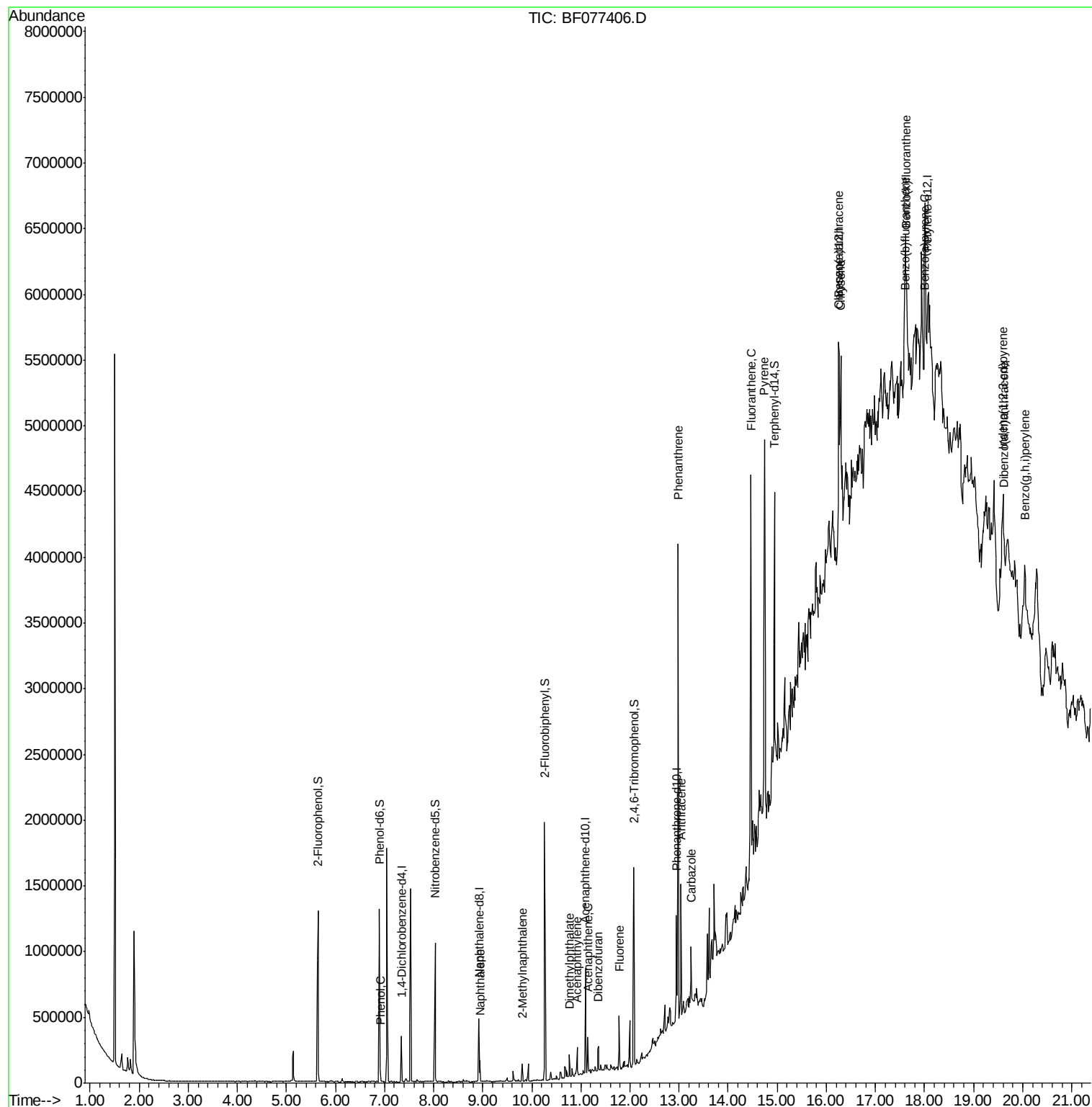
						Qvalue
10) Phenol	6.91	94	21841	3.12	ng	99
31) Naphthalene	8.94	128	78314	4.75	ng	97
37) 2-Methylnaphthalene	9.80	142	36378	3.11	ng	97
48) Acenaphthylene	10.92	152	88926	5.53	ng	99
49) Dimethylphthalate	10.76	163	69076	5.74	ng	100
51) Acenaphthene	11.14	154	75003	7.81	ng	99
54) Dibenzofuran	11.36	168	95998	6.48	ng	93
57) Fluorene	11.78	166	128324	10.83	ng	95
70) Phenanthrene	12.98	178	1580984	84.25	ng	97
71) Anthracene	13.04	178	397366	21.34	ng	99
72) Carbazole	13.24	167	215297	12.16	ng	99
74) Fluoranthene	14.47	202	1885824	92.00	ng	96
77) Pvrene	14.74	202	1460355	80.02	ng	97
80) Benzo(a)anthracene	16.25	228	854485	48.87	ng	96
82) Chrysene	16.29	228	692591	42.18	ng	97
85) Indeno(1,2,3-cd)pyrene	19.60	276	436921	23.34	ng	94
87) Benzo(b)fluoranthene	17.61	252	1055929m	61.38	ng	
88) Benzo(k)fluoranthene	17.62	252	388263m	23.03	ng	
89) Benzo(a)pvrene	18.01	252	650794	39.72	ng	# 88
90) Dibenzo(a,h)anthracene	19.61	278	109144	6.99	ng	# 53
91) Benzo(g,h,i)perylene	20.04	276	420631	26.67	ng	98

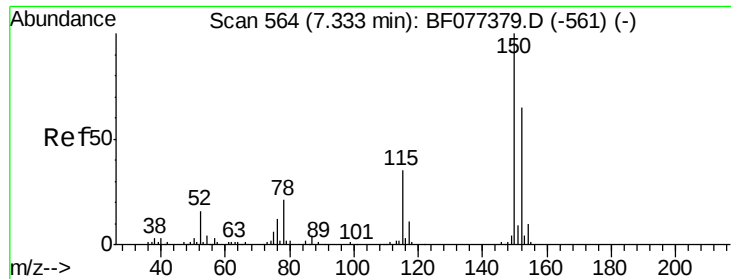
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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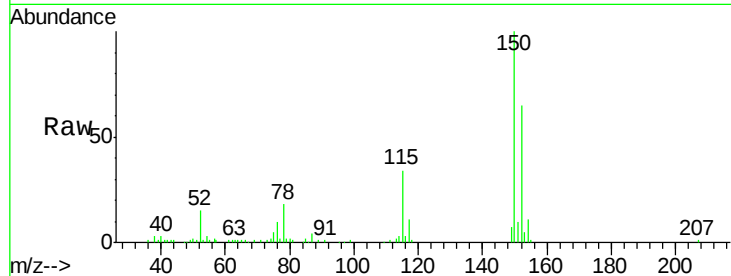


#1

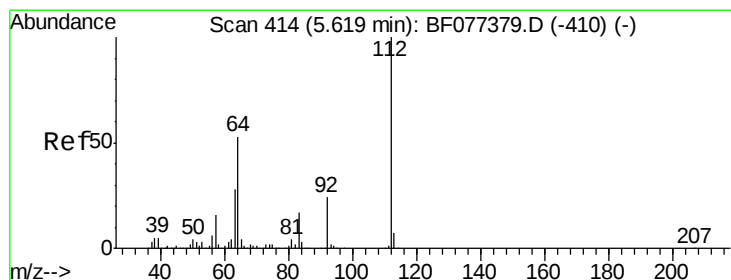
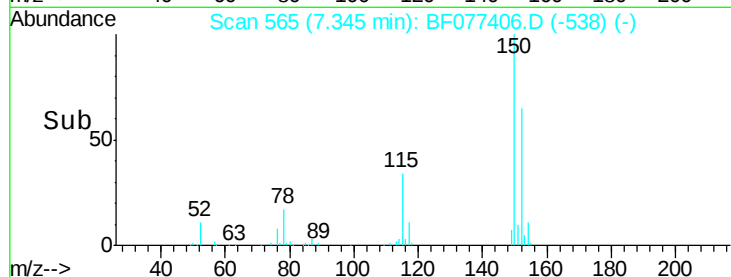
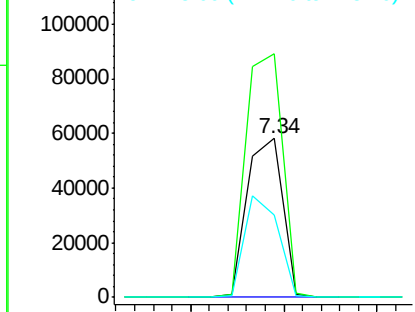
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.34 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

Instrument :
BNA_F
ClientSampleId :
UB10PX3

Tot Ion:152 Resp: 76691
Ion Ratio Lower Upper
152 100
150 153.6 124.0 186.0
115 51.5 49.4 74.2



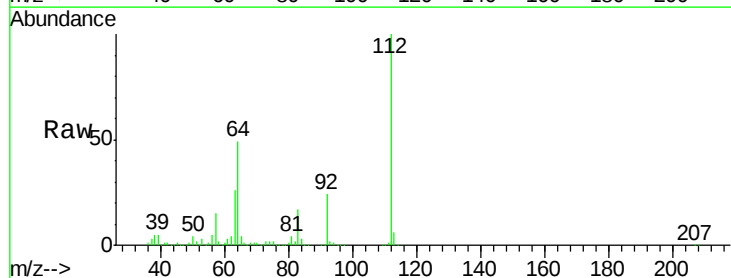
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



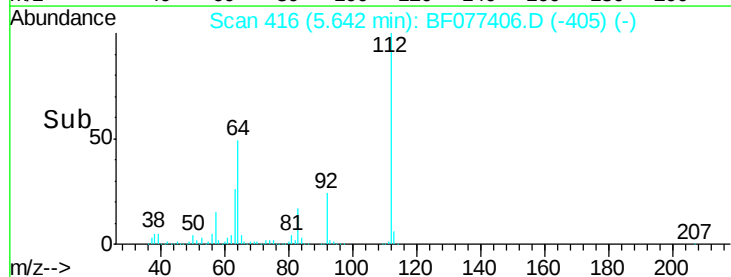
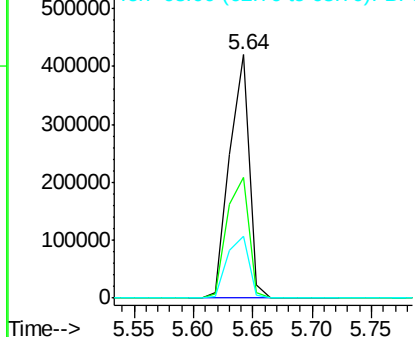
#5

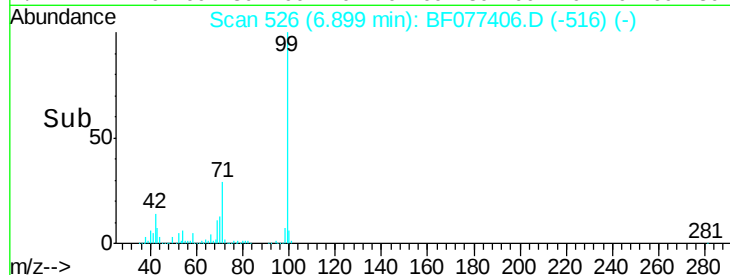
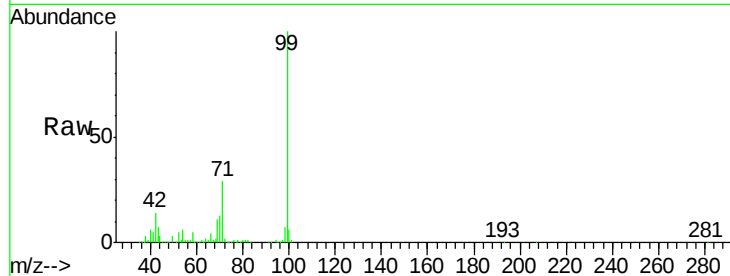
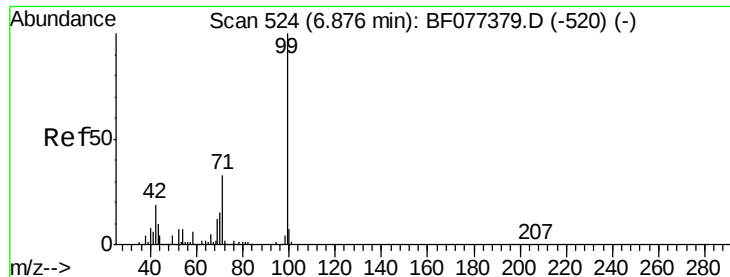
2-Fluorophenol
Concen: 105.08 ng
RT: 5.64 min Scan# 416
Delta R.T. 0.02 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

Tgt Ion:112 Resp: 482702
Ion Ratio Lower Upper
112 100
64 49.4 48.5 72.7
63 25.6 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: 106.36 ng

RT: 6.90 min Scan# 526

Delta R.T. 0.01 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

Instrument :

BNA_F

ClientSampleId :

UB10PX3

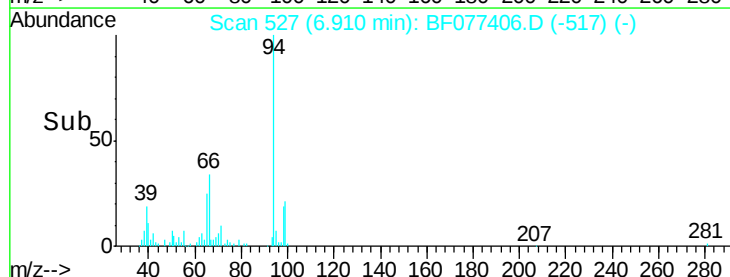
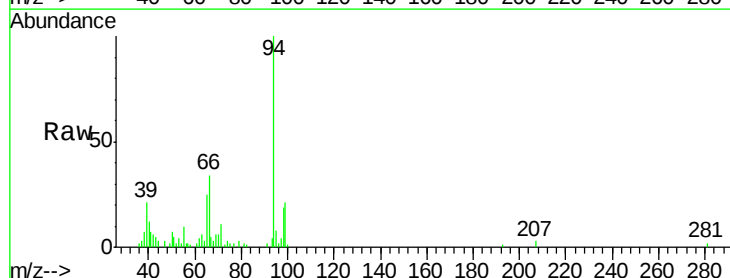
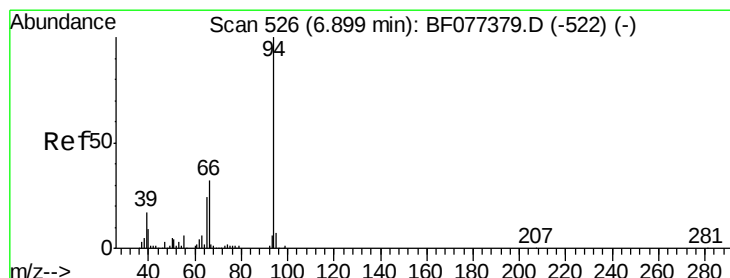
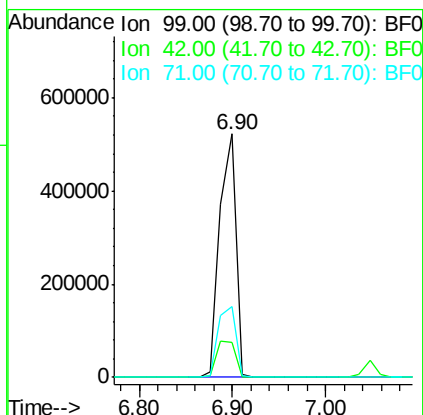
Tot Ion: 99 Resp: 628202

Ion Ratio Lower Upper

99 100

42 14.4 16.2 24.4#

71 29.3 26.7 40.1



#10

Phenol

Concen: 3.12 ng

RT: 6.91 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

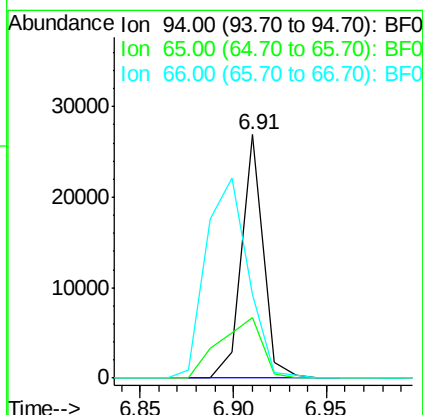
Tgt Ion: 94 Resp: 21841

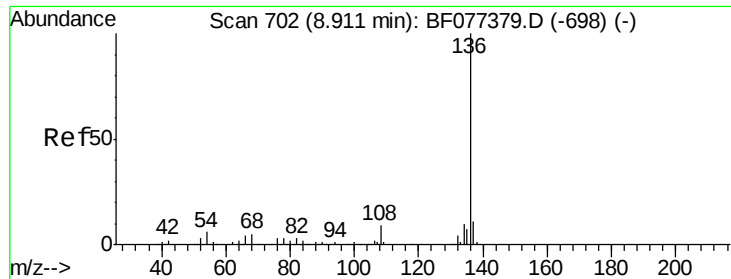
Ion Ratio Lower Upper

94 100

65 24.8 5.7 45.7

66 34.2 13.6 53.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 703

Delta R.T. 0.01 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

Instrument :

BNA_F

ClientSampleId :

UB10PX3

Tot Ion:136 Resp: 329604

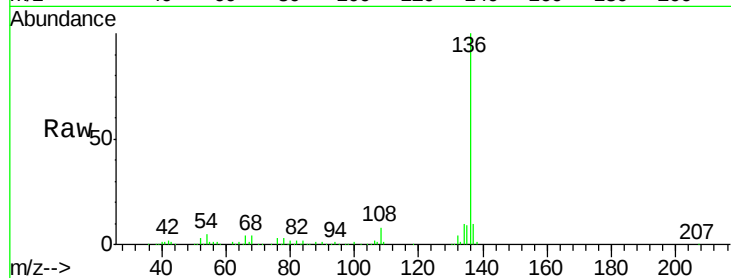
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 5.0 6.2 9.4#

68 4.3 5.0 7.6#

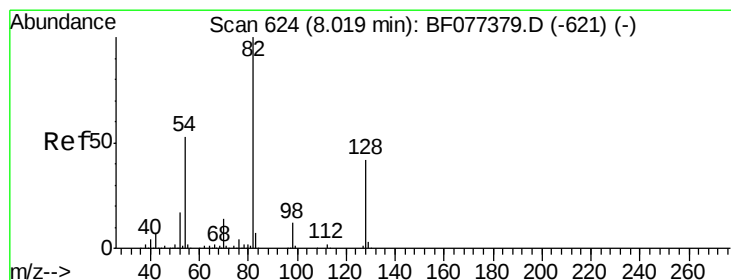
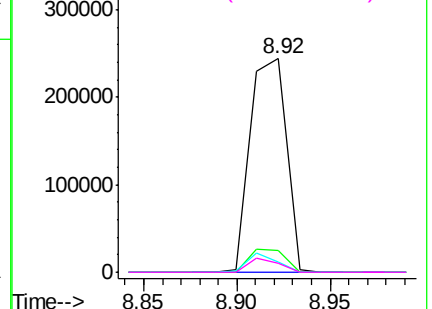
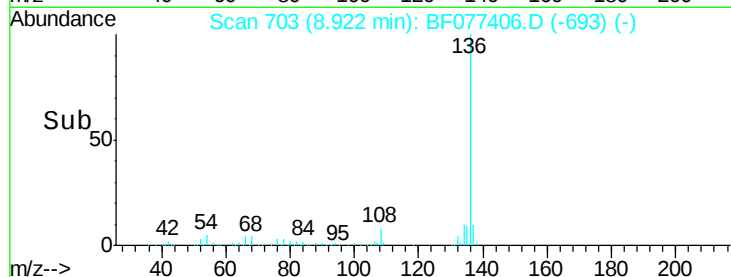


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.16 ng

RT: 8.03 min Scan# 625

Delta R.T. 0.00 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

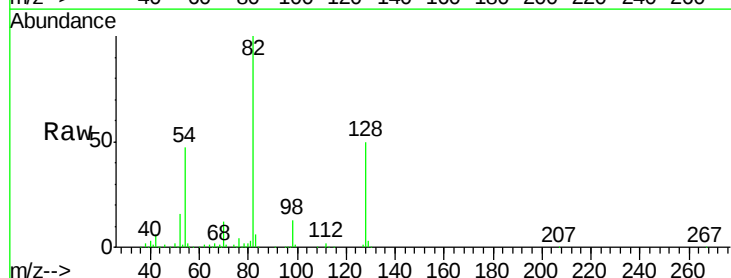
Tgt Ion: 82 Resp: 366592

Ion Ratio Lower Upper

82 100

128 49.8 43.8 65.8

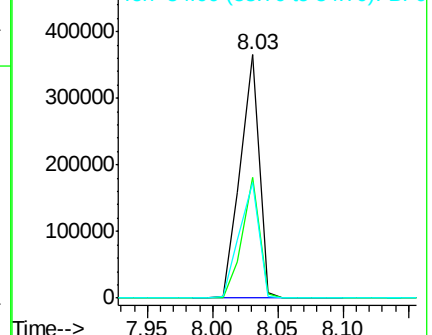
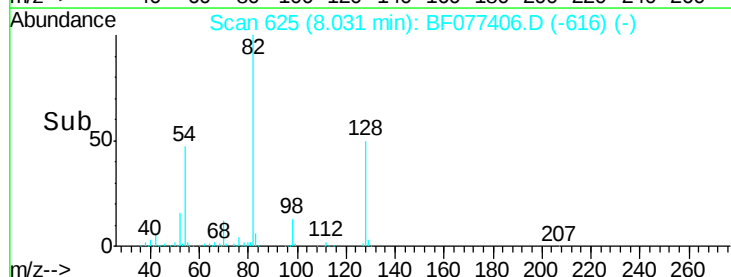
54 47.4 36.7 55.1

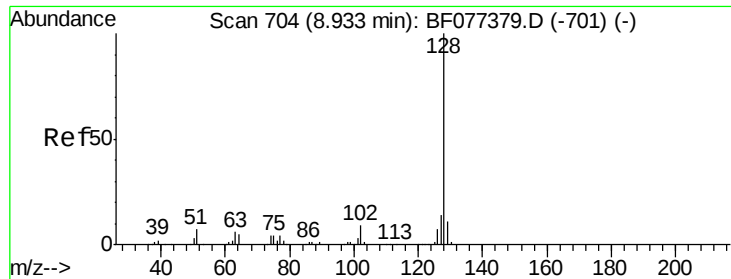


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

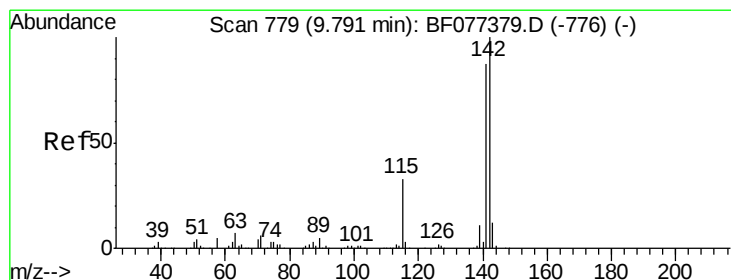
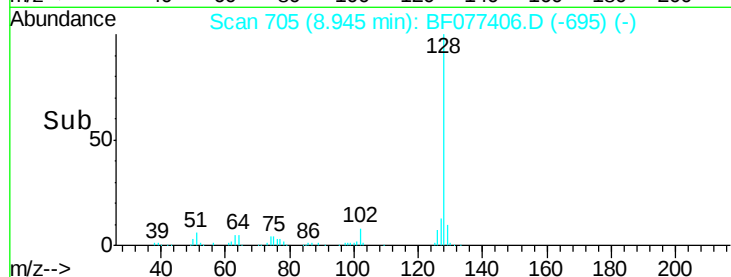
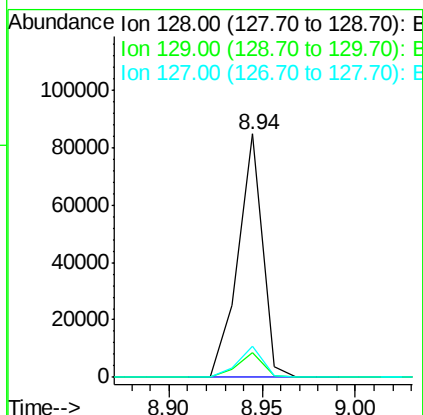
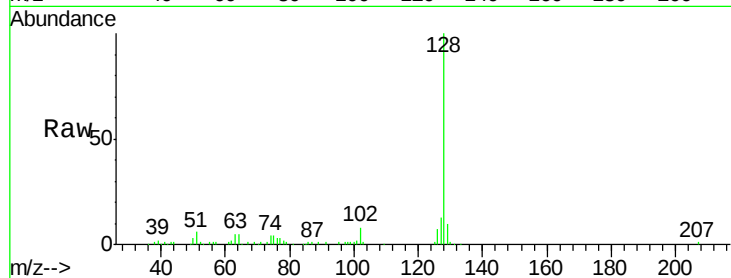




#31
Naphthalene
Concen: 4.75 ng
RT: 8.94 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

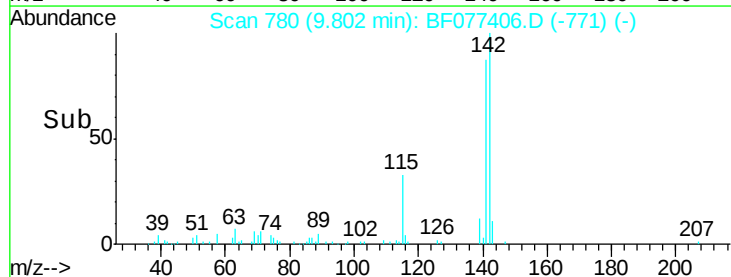
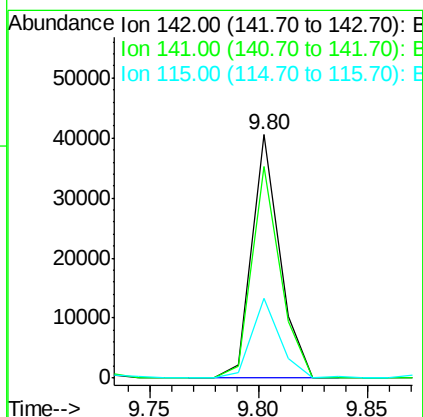
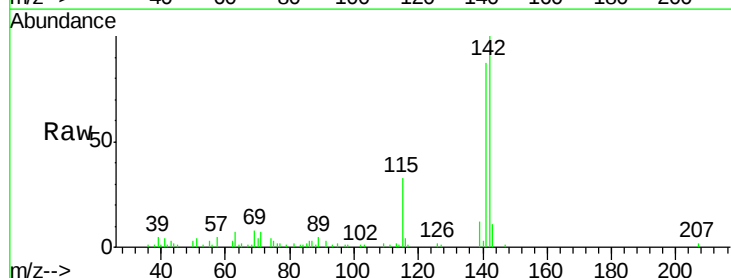
Instrument :
BNA_F
ClientSampleId :
UB10PX3

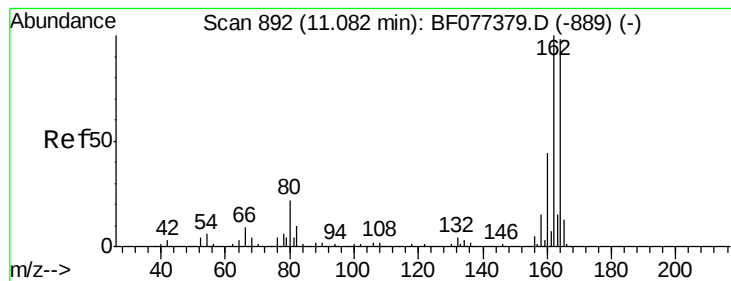
Tot Ion:128 Resp: 78314
Ion Ratio Lower Upper
128 100
129 10.0 9.4 14.0
127 12.6 10.6 15.8



#37
2-Methylnaphthalene
Concen: 3.11 ng
RT: 9.80 min Scan# 780
Delta R.T. 0.00 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

Tgt Ion:142 Resp: 36378
Ion Ratio Lower Upper
142 100
141 86.8 70.7 106.1
115 33.0 24.2 36.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 893

Delta R.T. 0.00 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

Instrument :

BNA_F

ClientSampleId :

UB10PX3

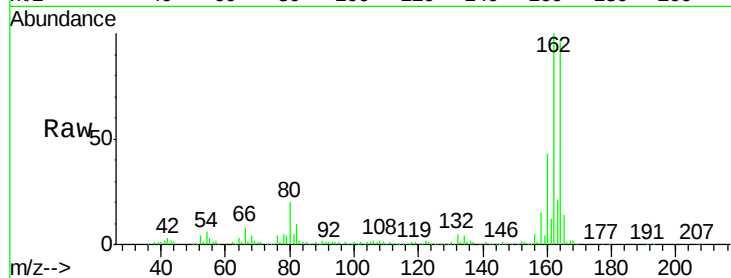
Tot Ion:164 Resp: 171056

Ion Ratio Lower Upper

164 100

162 103.1 83.2 124.8

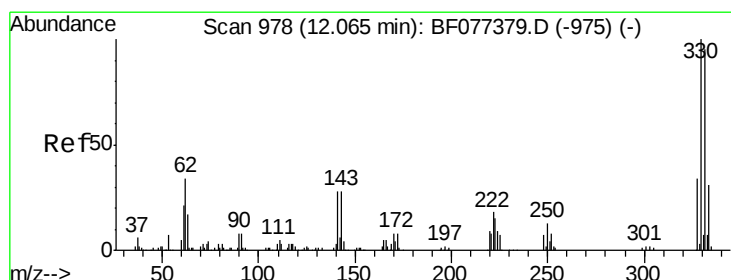
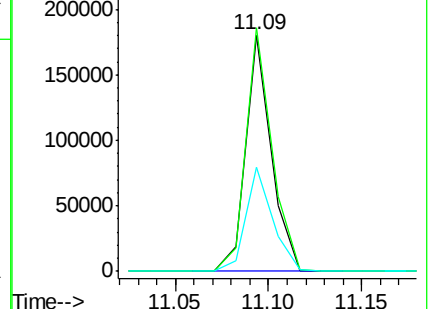
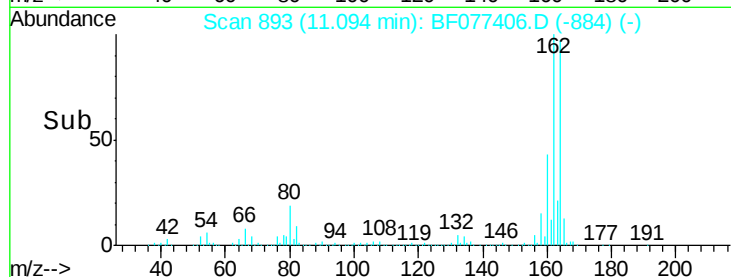
160 44.2 34.6 52.0



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: 100.62 ng

RT: 12.08 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

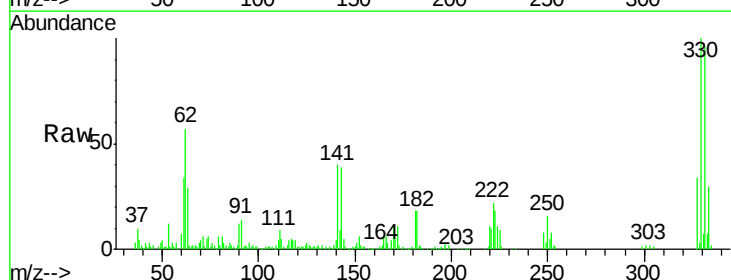
Tgt Ion:330 Resp: 165734

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.2

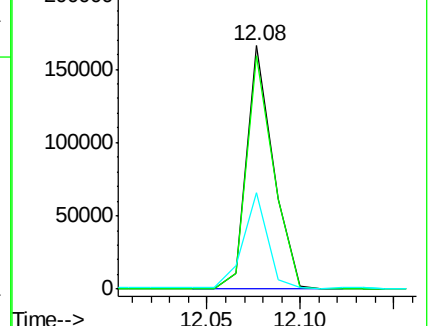
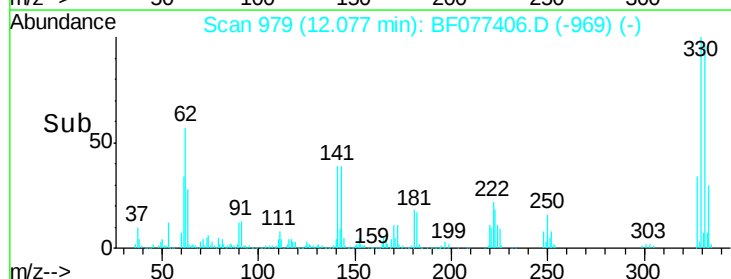
141 37.1 28.8 43.2

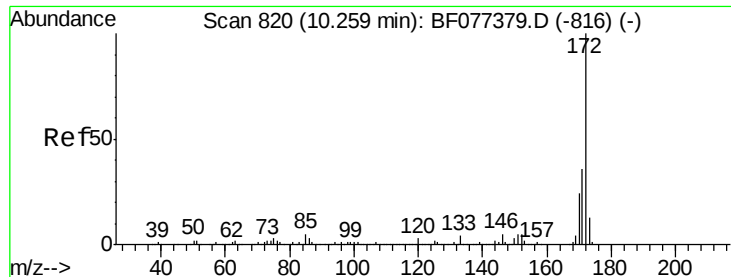


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

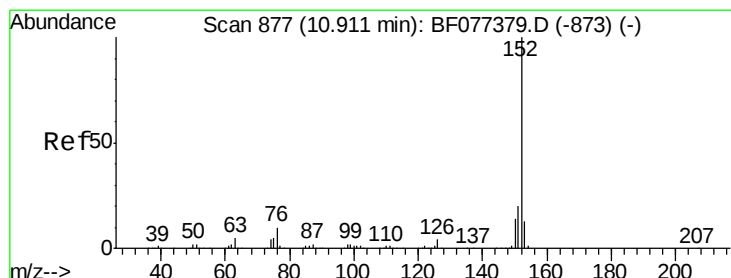
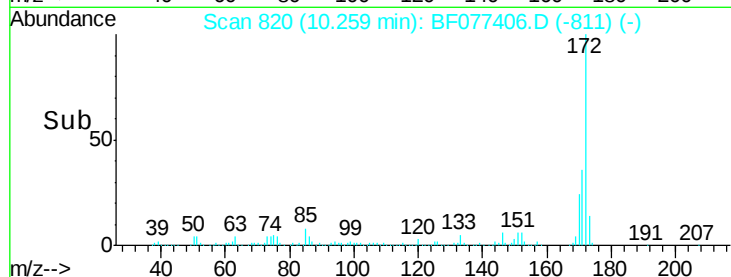
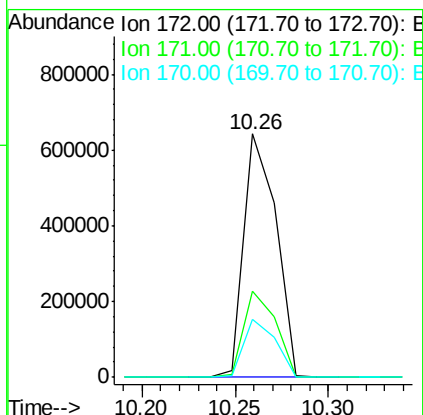
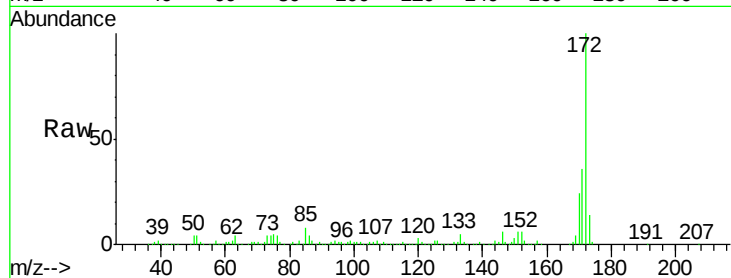




#44
2-Fluorobiphenyl
Concen: 70.24 ng
RT: 10.26 min Scan# 820
Delta R.T. 0.00 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

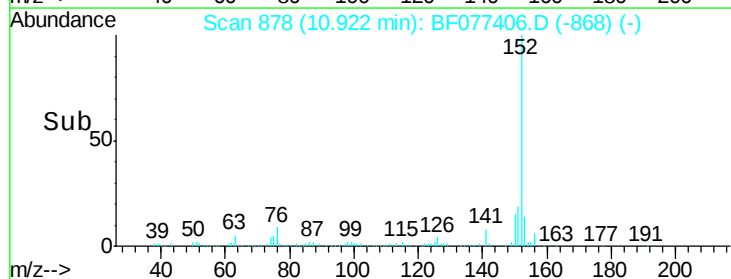
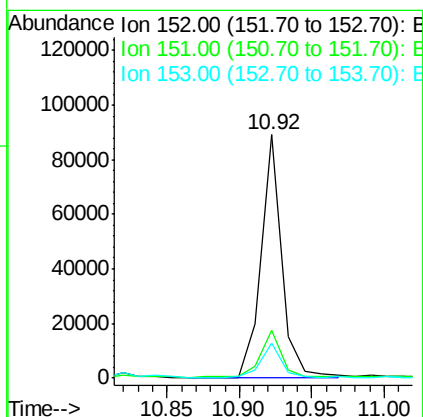
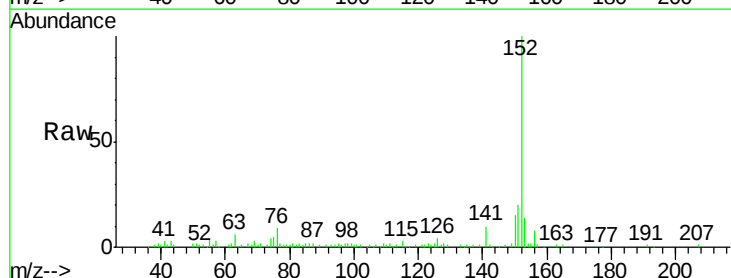
Instrument :
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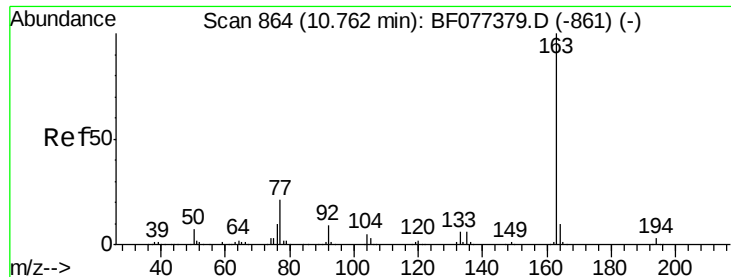
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.6	19.4	29.2



#48
Acenaphthylene
Concen: 5.53 ng
RT: 10.92 min Scan# 878
Delta R.T. 0.01 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1
153	14.3	10.9	16.3

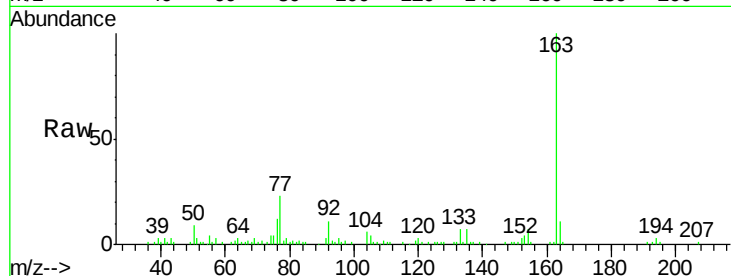




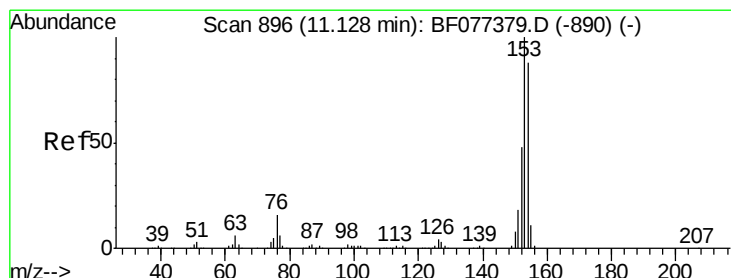
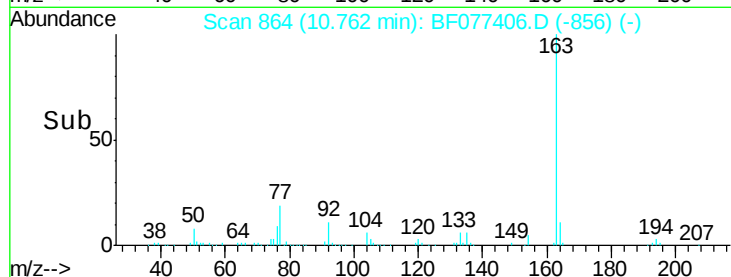
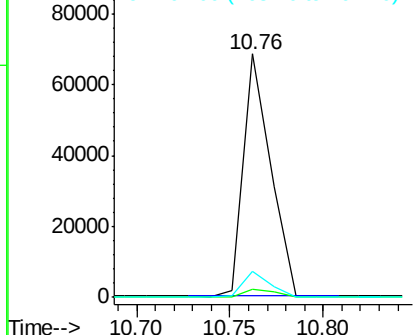
#49
Dimethylphthalate
Concen: 5.74 ng
RT: 10.76 min Scan# 864
Delta R.T. -0.01 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

Instrument :
BNA_F
ClientSampleId :
UB10PX3

Tot Ion:163 Resp: 69076
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.7 8.6 13.0

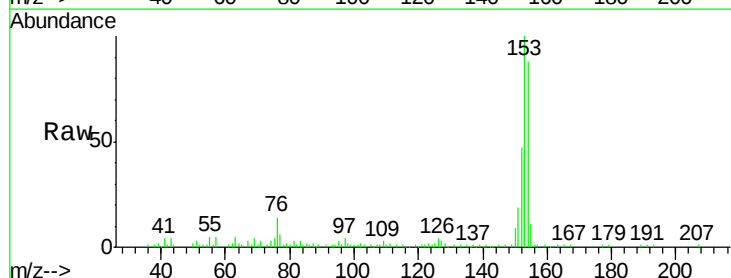


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

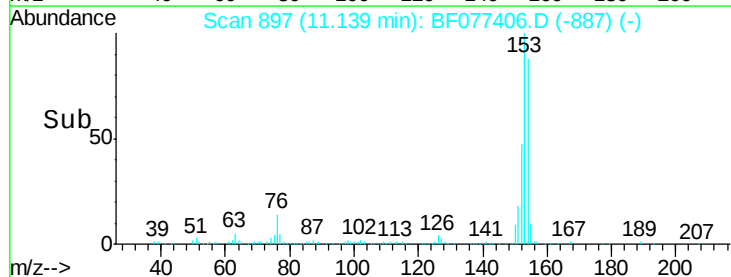
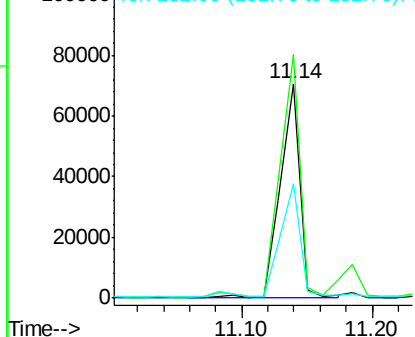


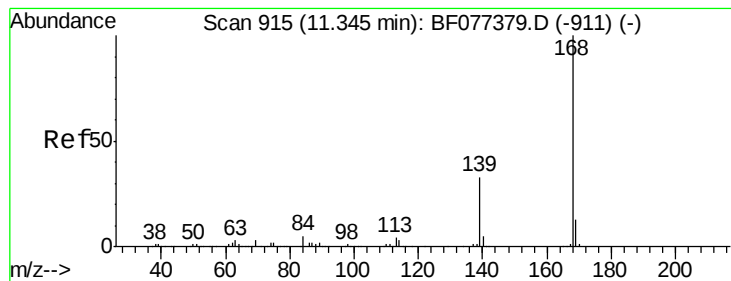
#51
Acenaphthene
Concen: 7.81 ng
RT: 11.14 min Scan# 897
Delta R.T. 0.01 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

Tgt Ion:154 Resp: 75003
Ion Ratio Lower Upper
154 100
153 113.6 90.5 135.7
152 53.6 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: 6.48 ng

RT: 11.36 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

Instrument :

BNA_F

ClientSampleId :

UB10PX3

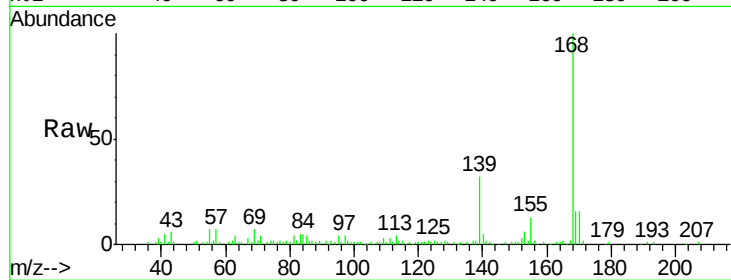
Tot Ion:168 Resp: 95998

Ion Ratio Lower Upper

168 100

139 32.4 29.3 43.9

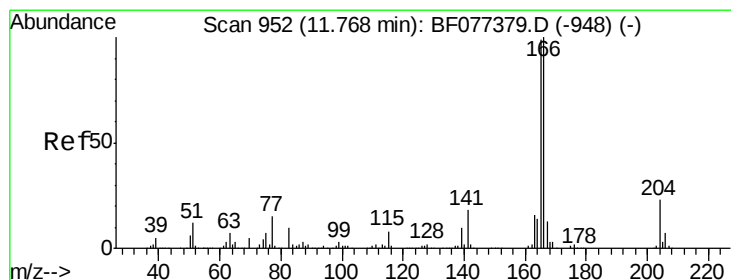
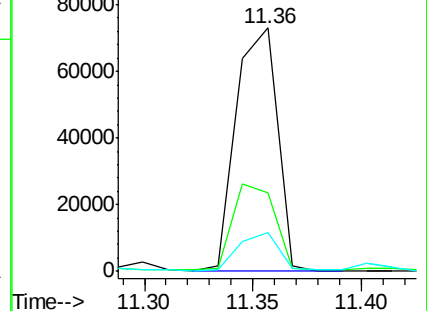
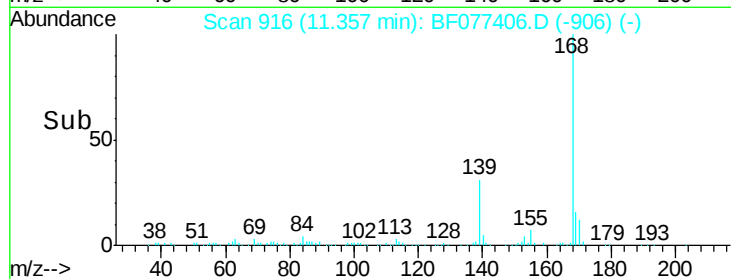
169 16.0 10.9 16.3



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: 10.83 ng

RT: 11.78 min Scan# 953

Delta R.T. 0.01 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

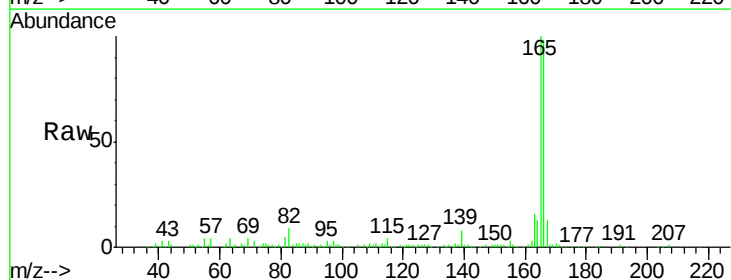
Tgt Ion:166 Resp: 128324

Ion Ratio Lower Upper

166 100

165 102.5 77.6 116.4

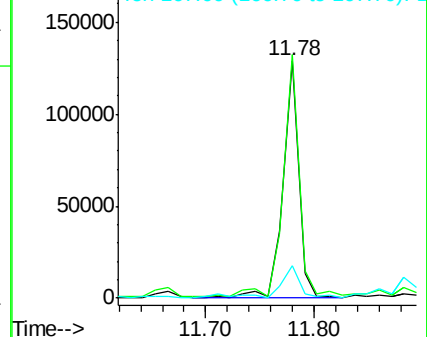
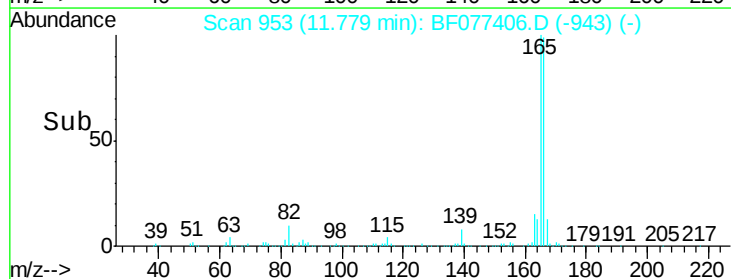
167 13.6 10.6 16.0

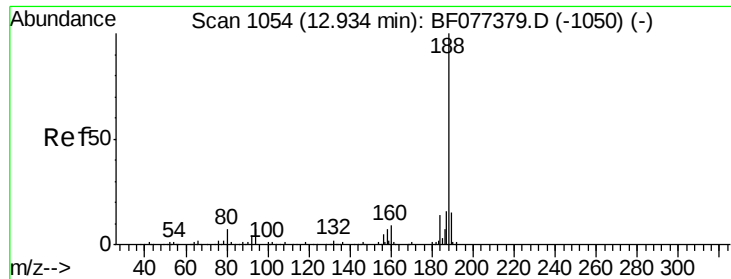


Abundance Ion 166.00 (165.70 to 166.70): E

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: 12.95 min Scan# 1055

Delta R.T. 0.01 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

Instrument :

BNA_F

ClientSampleId :

UB10PX3

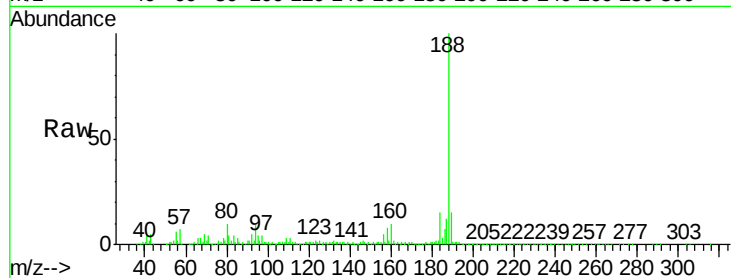
Tot Ion:188 Resp: 323767

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

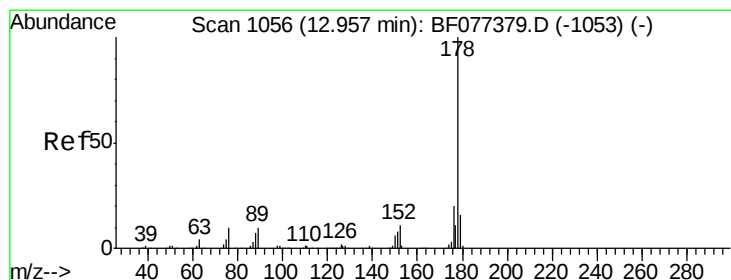
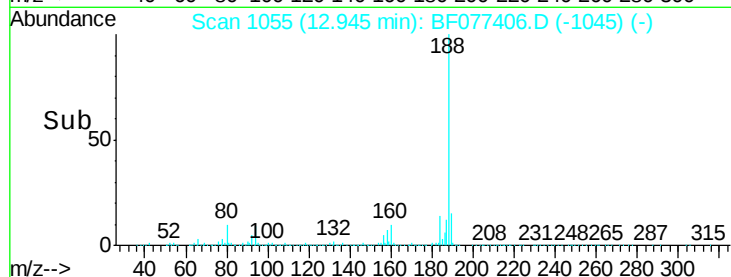
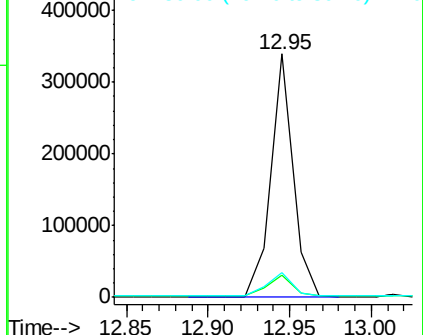
80 10.2 8.0 12.0



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: 84.25 ng

RT: 12.98 min Scan# 1058

Delta R.T. 0.01 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

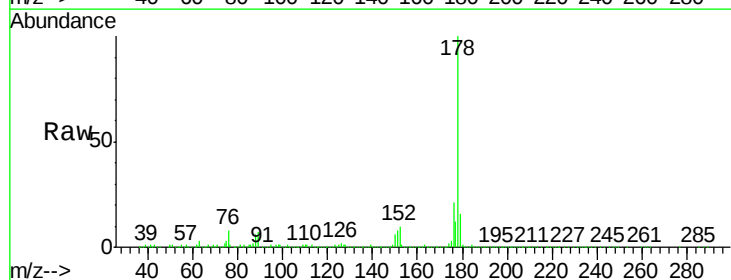
Tgt Ion:178 Resp: 1580984

Ion Ratio Lower Upper

178 100

176 20.6 15.5 23.3

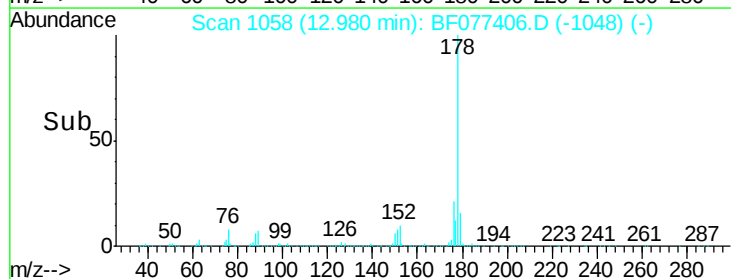
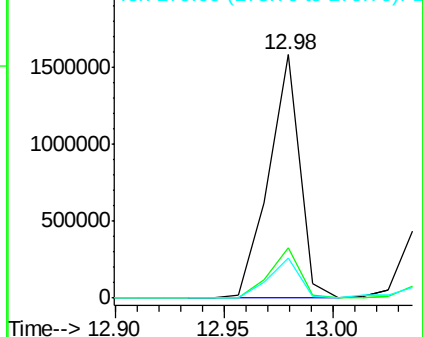
179 16.4 12.2 18.2

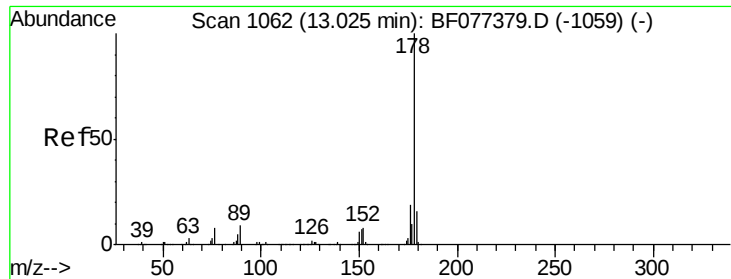


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

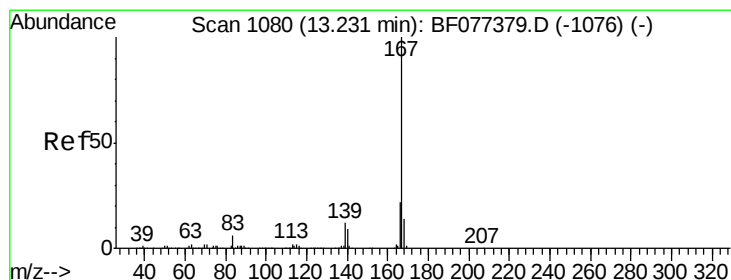
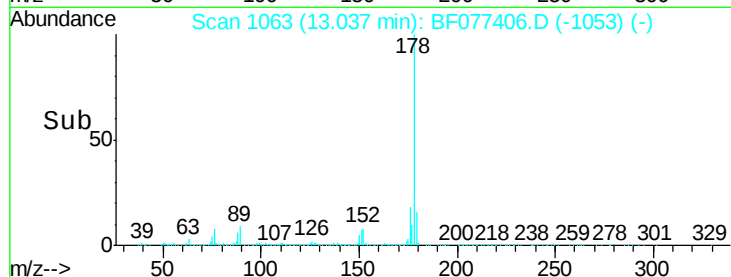
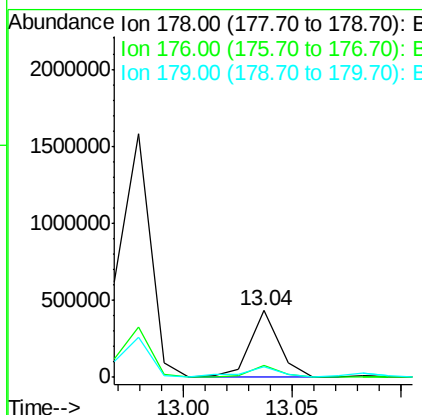
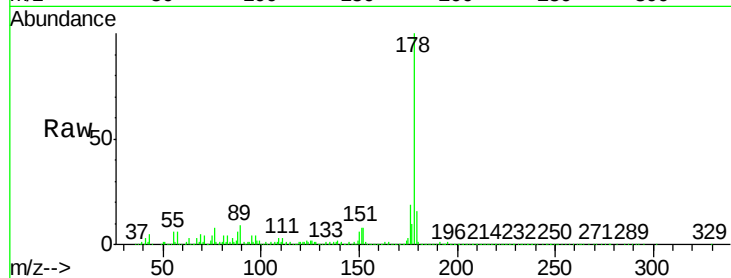




#71
 Anthracene
 Concen: 21.34 ng
 RT: 13.04 min Scan# 1063
 Delta R.T. 0.01 min
 Lab File: BF077406.D
 Acq: 23 Feb 2015 15:41

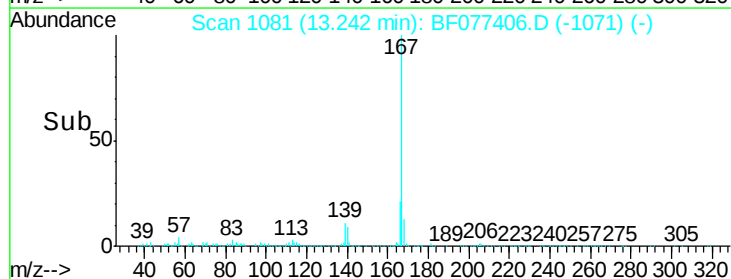
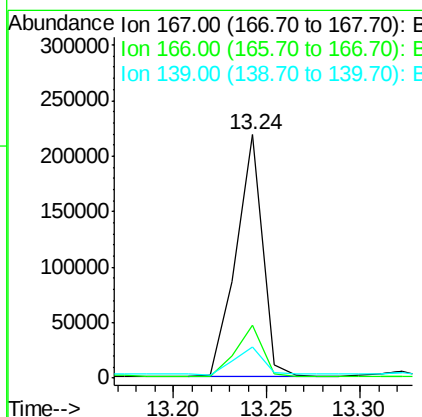
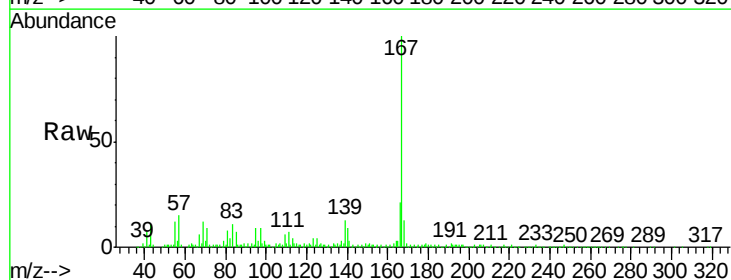
Instrument :
 BNA_F
 ClientSampleId :
 UB10PX3

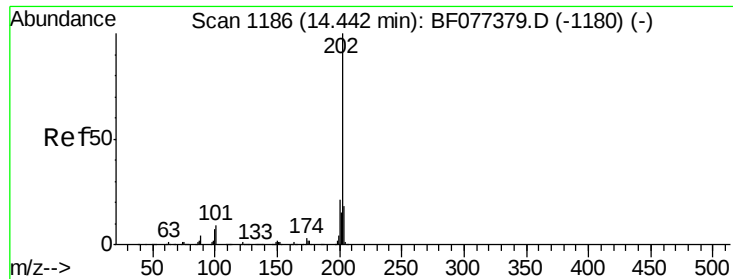
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	16.4	12.9	19.3



#72
 Carbazole
 Concen: 12.16 ng
 RT: 13.24 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: BF077406.D
 Acq: 23 Feb 2015 15:41

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.6	26.4
139	12.6	9.9	14.9





#74

Fluoranthene

Concen: 92.00 ng

RT: 14.47 min Scan# 1188

Delta R.T. 0.02 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

Instrument :

BNA_F

ClientSampleId :

UB10PX3

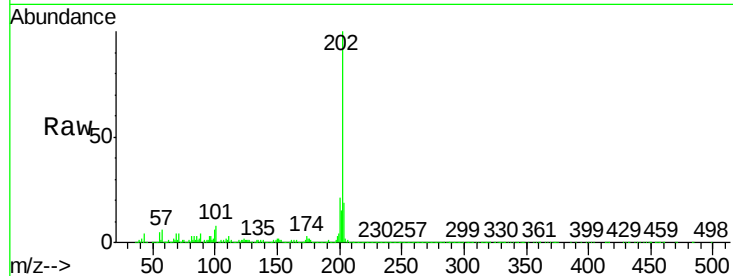
Tot Ion:202 Resp: 1885824

Ion Ratio Lower Upper

202 100

101 8.0 0.0 30.8

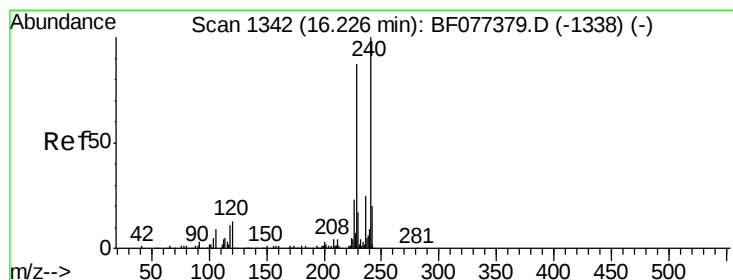
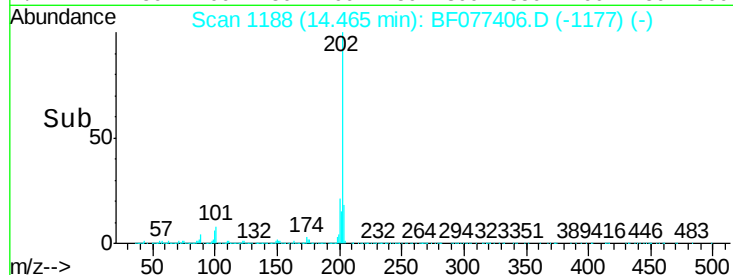
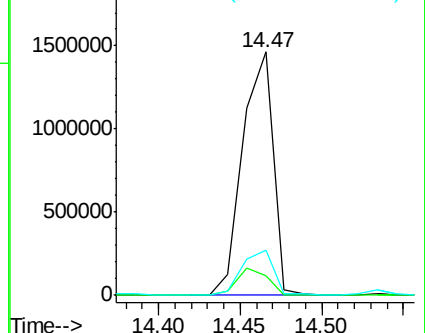
203 18.6 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

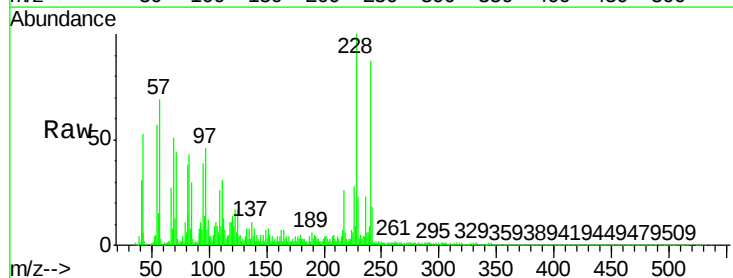
Tgt Ion:240 Resp: 298347

Ion Ratio Lower Upper

240 100

120 16.1 8.8 13.2#

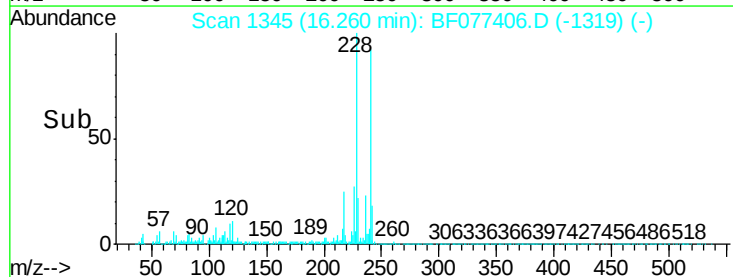
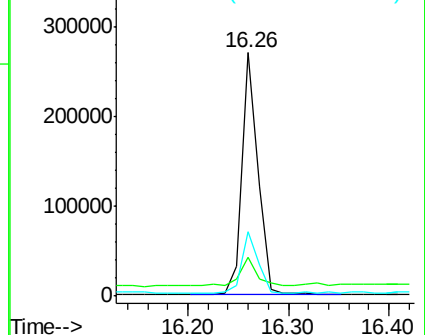
236 26.4 20.7 31.1

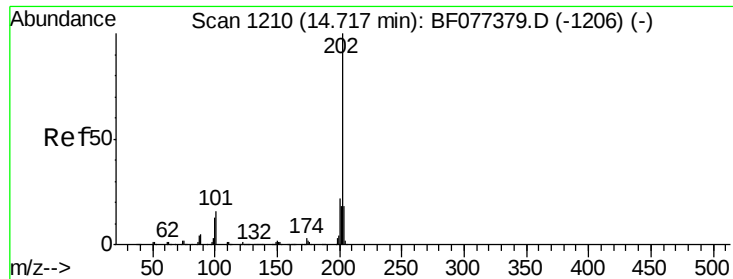


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 80.02 ng

RT: 14.74 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

Instrument :

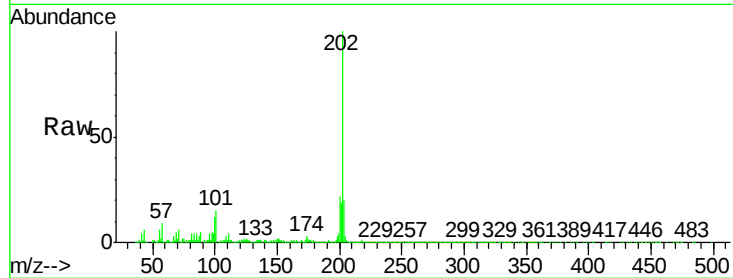
BNA_F

ClientSampleId :

UB10PX3

Tot Ion:202 Resp: 1460355

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.1	25.7
203	19.7	14.2	21.2

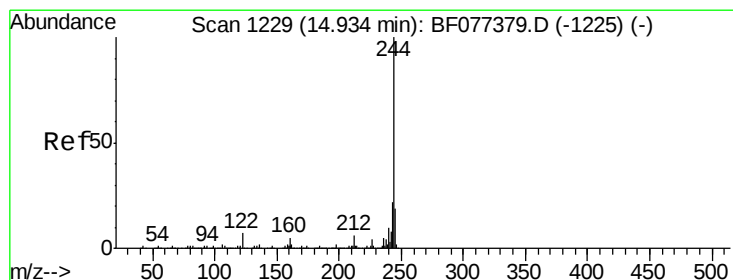
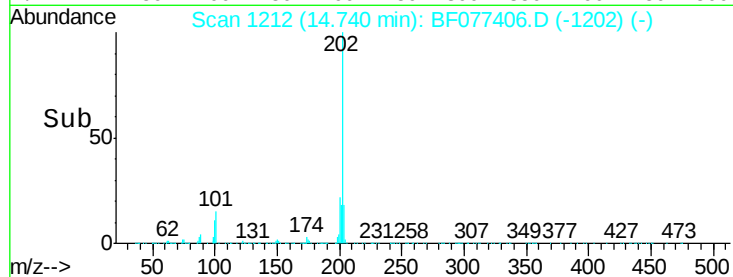
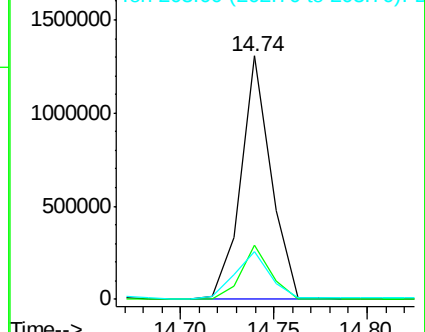


Abundance

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: 65.61 ng

RT: 14.95 min Scan# 1230

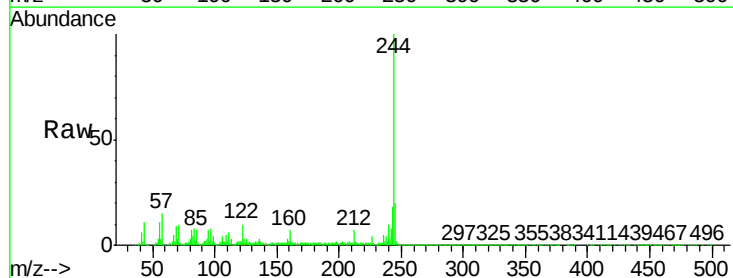
Delta R.T. 0.01 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

Tgt Ion:244 Resp: 837362

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	10.2	7.8	11.8

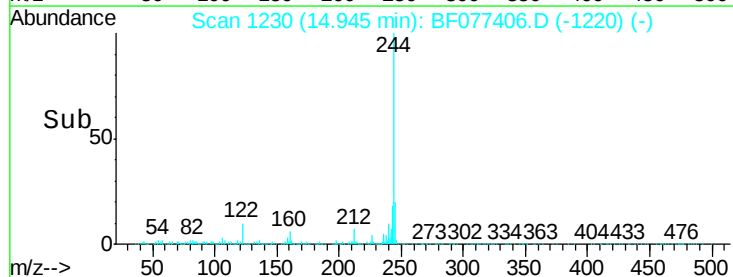
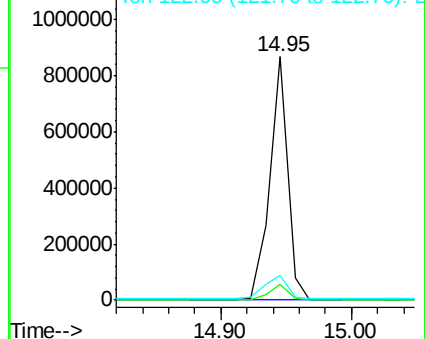


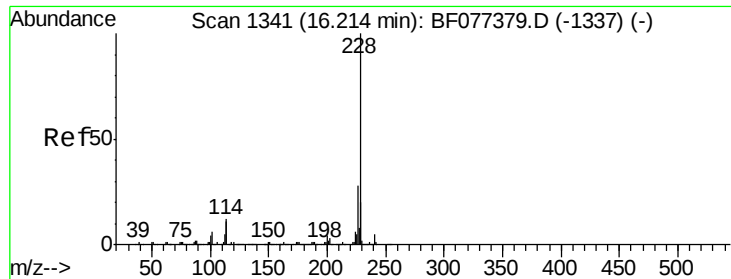
Abundance

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

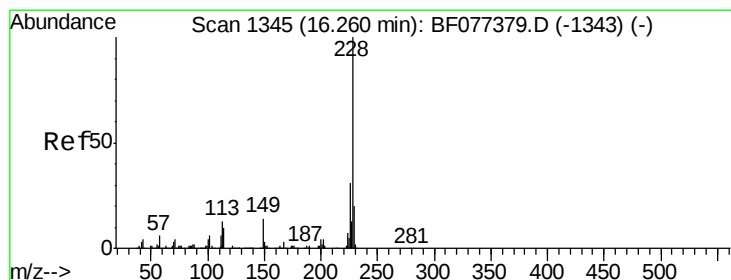
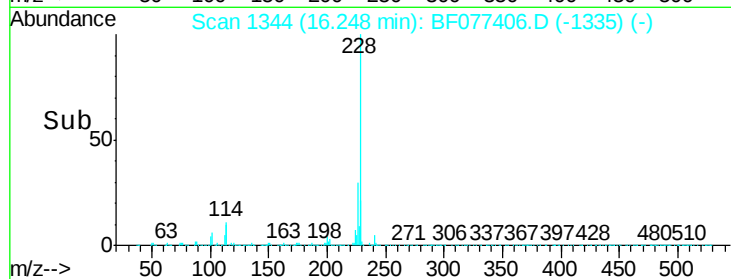
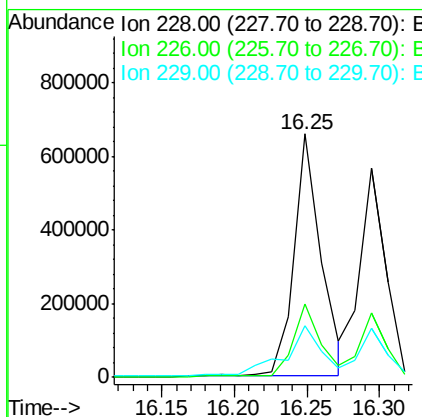
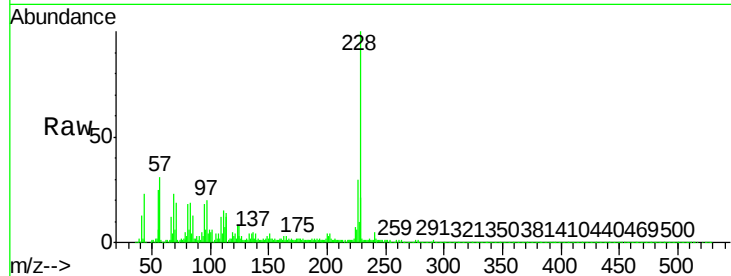




#80
Benzo(a)anthracene
Concen: 48.87 ng
RT: 16.25 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

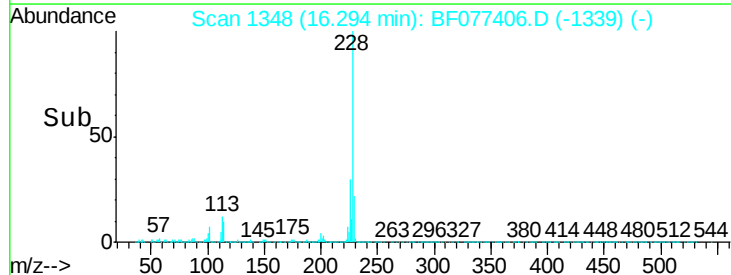
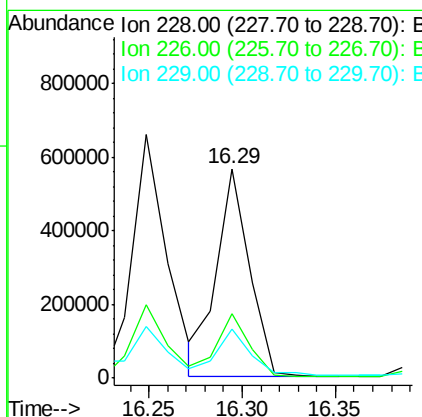
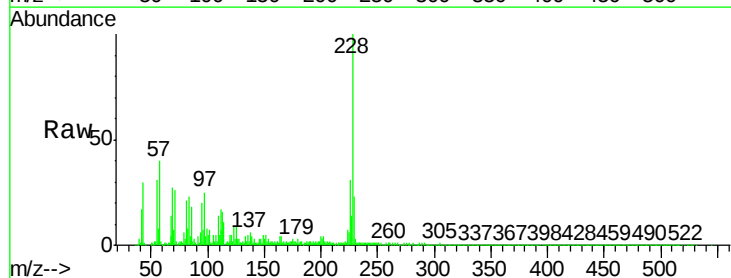
Instrument :
BNA_F
ClientSampleId :
UB10PX3

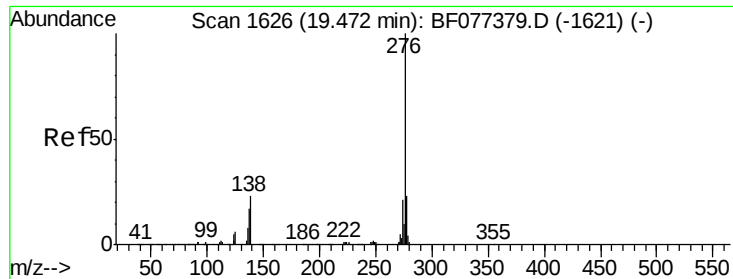
Tot Ion:228 Resp: 854485
Ion Ratio Lower Upper
228 100
226 30.0 22.0 33.0
229 21.3 15.8 23.8



#82
Chrysene
Concen: 42.18 ng
RT: 16.29 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

Tgt Ion:228 Resp: 692591
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 23.2 16.4 24.6

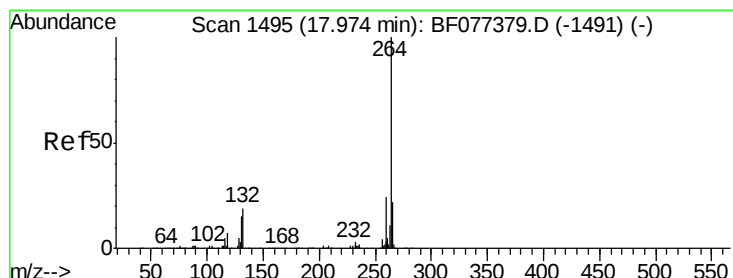
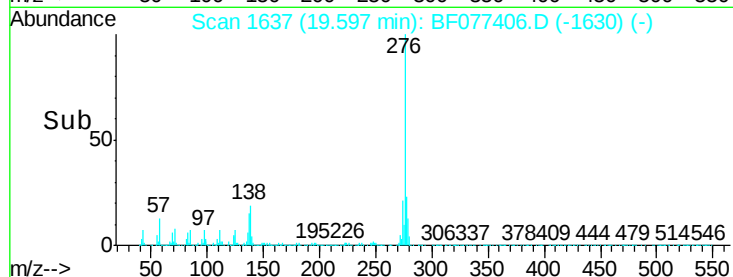
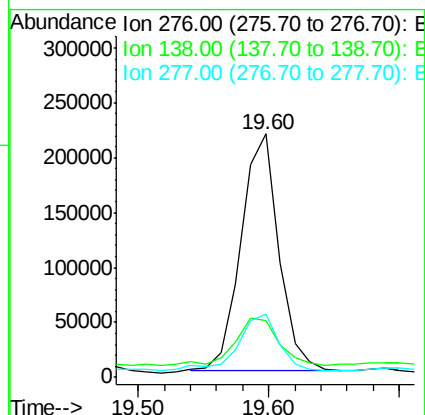
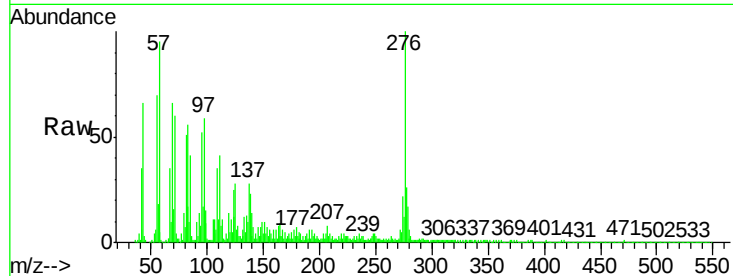




#85
Indeno(1,2,3-cd)pyrene
Concen: 23.34 ng
RT: 19.60 min Scan# 1637
Delta R.T. -0.02 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

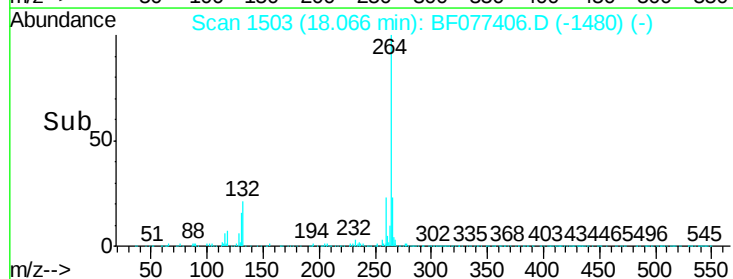
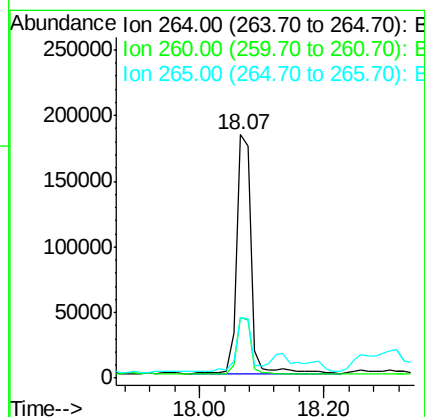
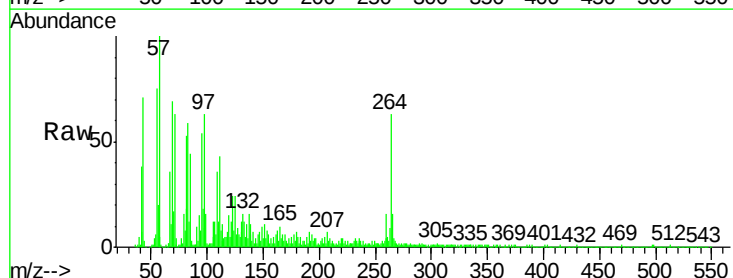
Instrument :
BNA_F
ClientSampleId :
UB10PX3

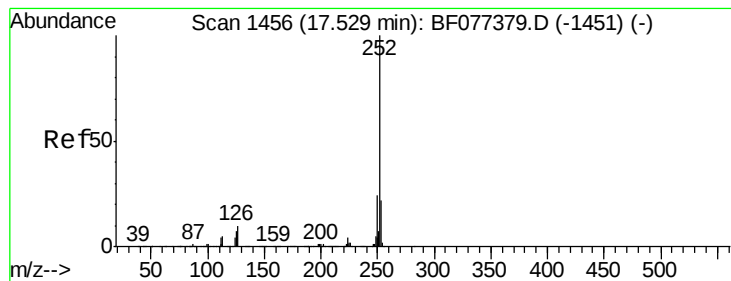
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	21.2	31.8
277	24.1	20.0	30.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.07 min Scan# 1503
Delta R.T. -0.03 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.3	28.9
265	24.9	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 61.38 ng m

RT: 17.61 min Scan# 1463

Delta R.T. -0.02 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

Instrument :

BNA_F

ClientSampleId :

UB10PX3

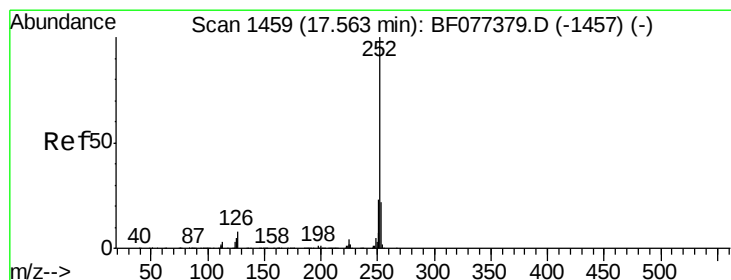
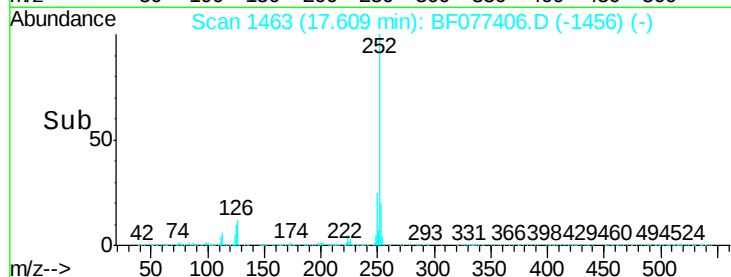
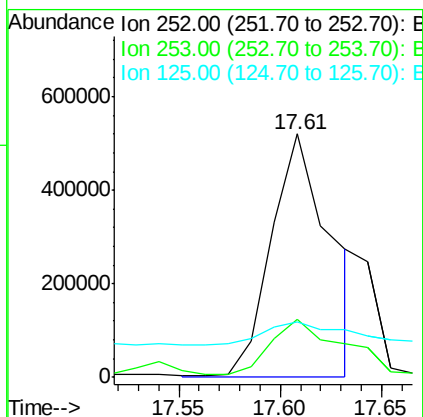
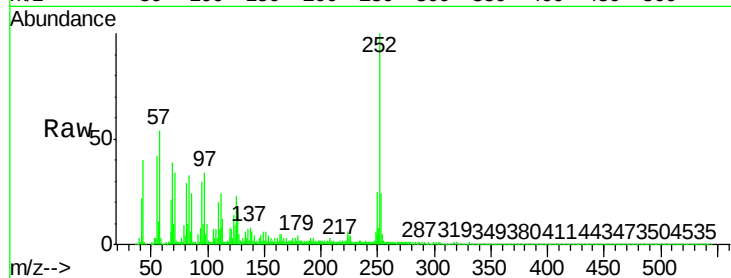
Tot Ion:252 Resp: 1055929

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 22.8 5.4 8.2#



#88

Benzo(k)fluoranthene

Concen: 23.03 ng m

RT: 17.62 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

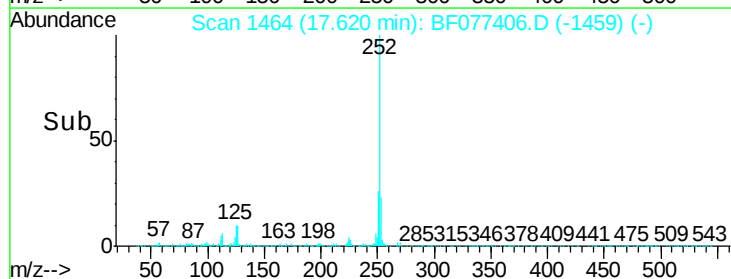
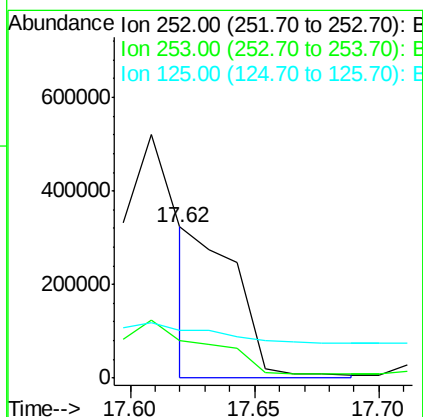
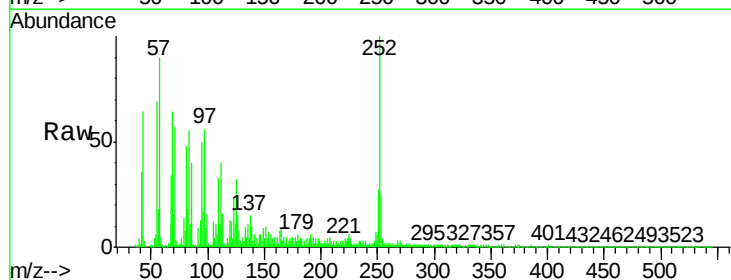
Tgt Ion:252 Resp: 388263

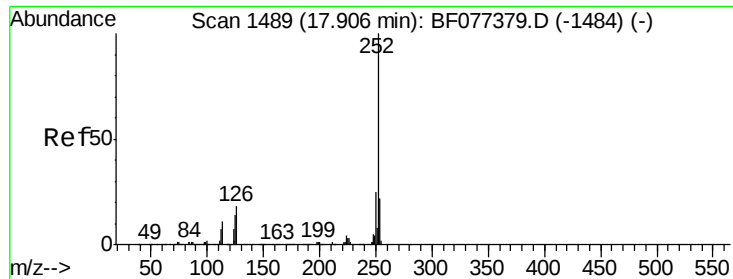
Ion Ratio Lower Upper

252 100

253 24.6 18.1 27.1

125 31.7 10.1 15.1#

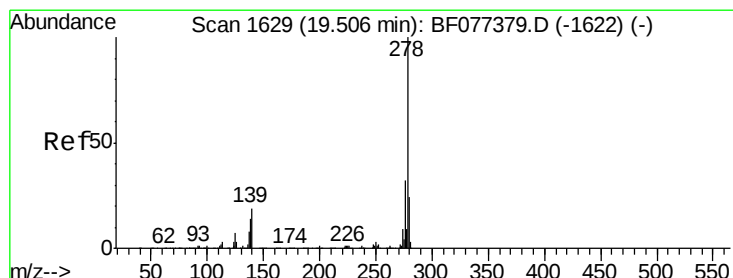
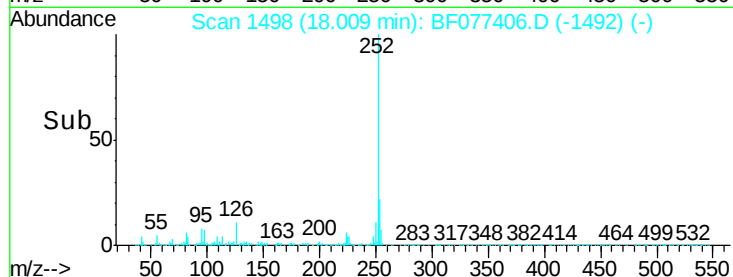
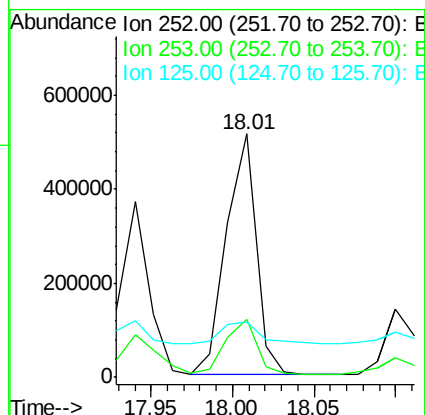
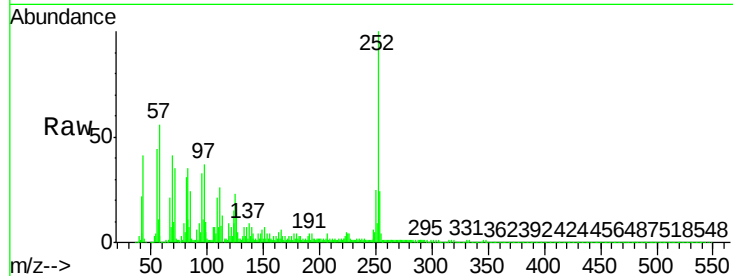




#89
Benzo(a)pyrene
Concen: 39.72 ng
RT: 18.01 min Scan# 1498
Delta R.T. -0.03 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

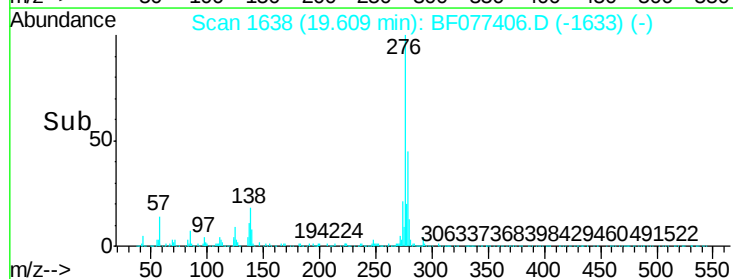
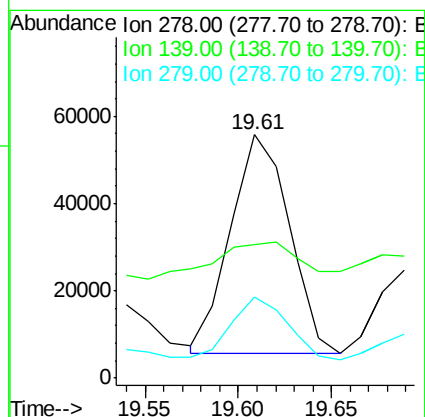
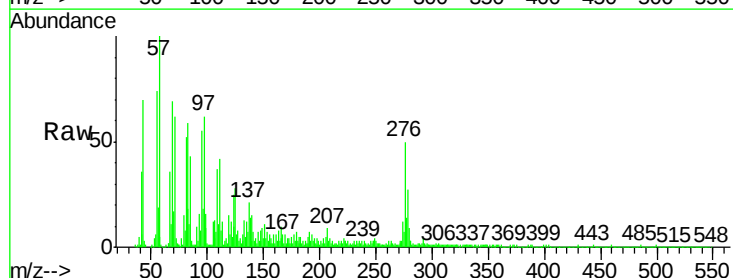
Instrument :
BNA_F
ClientSampleId :
UB10PX3

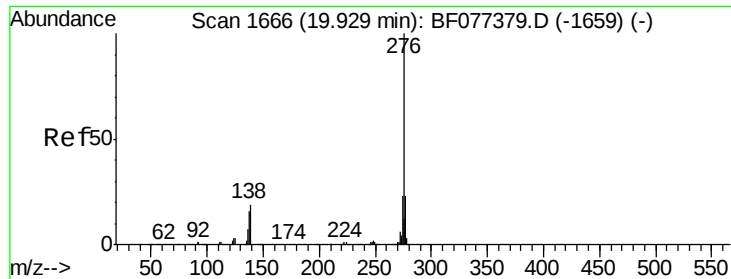
Tot Ion:252 Resp: 650794
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 22.8 8.3 12.5#



#90
Dibenzo(a,h)anthracene
Concen: 6.99 ng
RT: 19.61 min Scan# 1638
Delta R.T. -0.05 min
Lab File: BF077406.D
Acq: 23 Feb 2015 15:41

Tgt Ion:278 Resp: 109144
Ion Ratio Lower Upper
278 100
139 54.9 14.3 21.5#
279 33.4 19.0 28.6#





#91

Benzo(a,h,i)perylene

Concen: 26.67 ng

RT: 20.04 min Scan# 1676

Delta R.T. -0.03 min

Lab File: BF077406.D

Acq: 23 Feb 2015 15:41

Instrument :

BNA_F

ClientSampleId :

UB10PX3

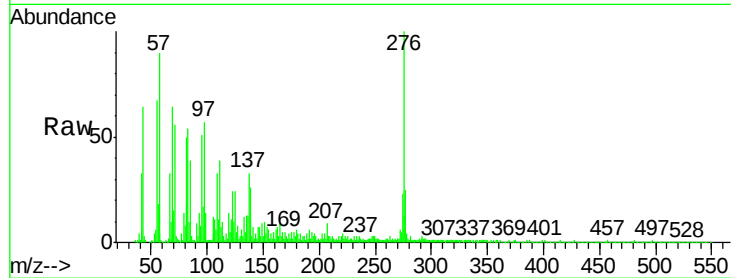
Tot Ion:276 Resp: 420631

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 26.4 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

