

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021015\
 Data File : BF077240.D
 Acq On : 10 Feb 2015 18:06
 Operator : TP/IZ
 Sample : G1254-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UB10A

Quant Time: Feb 11 03:47:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 10 13:30:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	41428	20.00	ng	0.00
21) Naphthalene-d8	10.51	136	182972	20.00	ng	0.01
38) Acenaphthene-d10	14.63	164	99518	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	158404	20.00	ng	0.01
75) Chrysene-d12	21.04	240	151765	20.00	ng	0.02
86) Perylene-d12	22.68	264	139321	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	4.61	112	148343	58.87	ng	0.02
7) Phenol-d6	7.04	99	190639	59.98	ng	0.02
23) Nitrobenzene-d5	8.90	82	109568	33.18	ng	0.00
41) 2,4,6-Tribromophenol	16.39	330	39798	49.27	ng	0.01
44) 2-Fluorobiphenyl	13.16	172	254798	38.96	ng	0.00
78) Terphenyl-d14	19.77	244	236166	35.82	ng	0.01

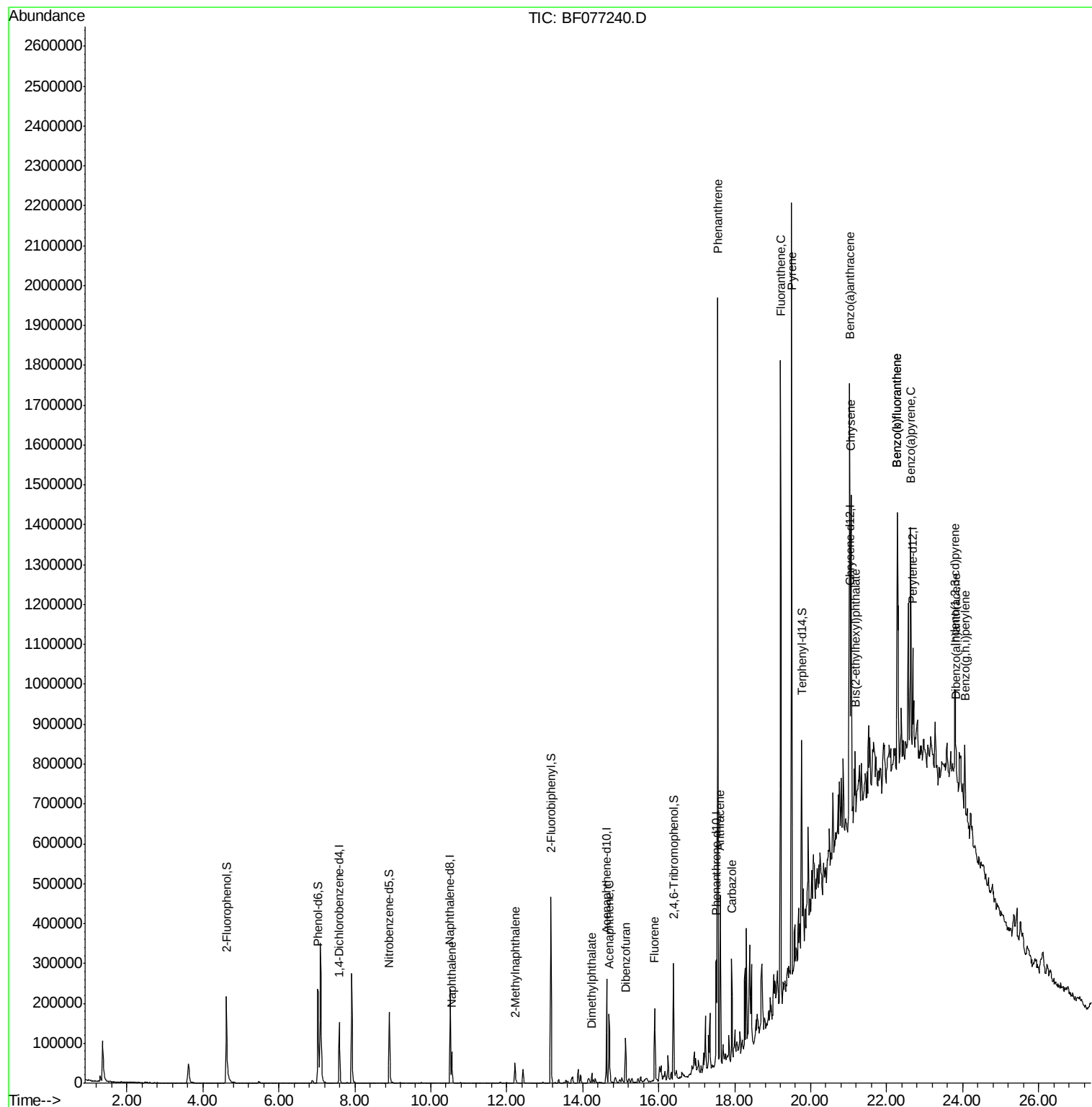
Target Compounds						Qvalue
31) Naphthalene	10.56	128	63971	6.79	ng	99
37) 2-Methylnaphthalene	12.21	142	27802	4.32	ng	91
49) Dimethylphthalate	14.24	163	17780	2.52	ng	96
51) Acenaphthene	14.69	154	70501	12.13	ng	98
54) Dibenzofuran	15.13	168	81365	9.61	ng	96
57) Fluorene	15.89	166	84255	11.75	ng	99
70) Phenanthrene	17.55	178	977362	98.94	ng	99
71) Anthracene	17.62	178	239300	24.84	ng	# 95
72) Carbazole	17.92	167	135107	14.46	ng	97
74) Fluoranthene	19.21	202	979331	96.75	ng	98
77) Pyrene	19.49	202	776999	74.70	ng	# 91
80) Benzo(a)anthracene	21.03	228	456817	47.98	ng	99
82) Chrysene	21.06	228	289263	33.31	ng	95
83) Bis(2-ethylhexyl)phthalate	21.17	149	36431	5.59	ng	# 100
85) Indeno(1,2,3-cd)pyrene	23.80	276	144326	15.68	ng	# 88
87) Benzo(b)fluoranthene	22.28	252	530034	56.49	ng	98
88) Benzo(k)fluoranthene	22.28	252	530034	64.65	ng	# 95
89) Benzo(a)pyrene	22.63	252	274789	33.20	ng	# 94
90) Dibenzo(a,h)anthracene	23.81	278	39167	5.16	ng	# 75
91) Benzo(g,h,i)perylene	24.07	276	120010	15.90	ng	97

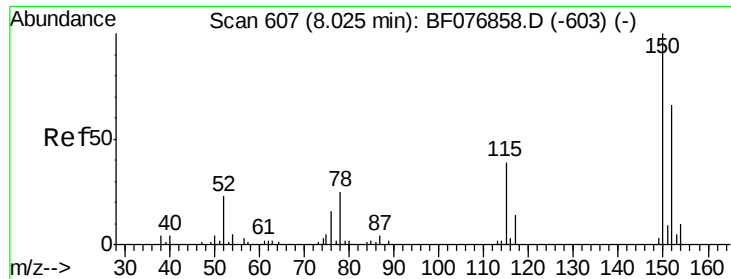
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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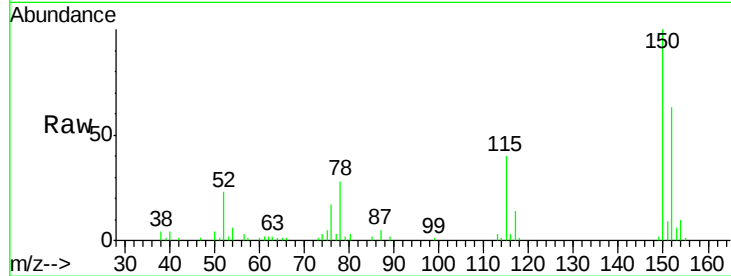


#1

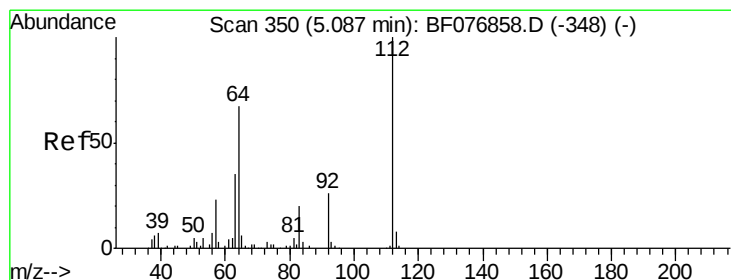
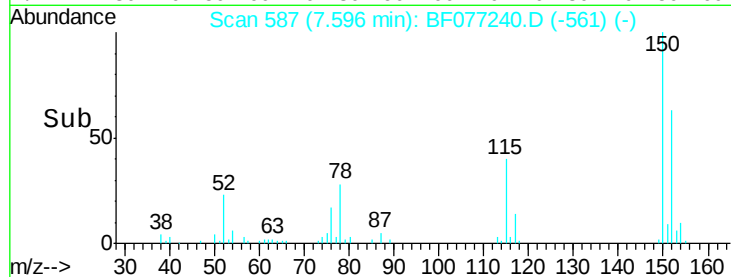
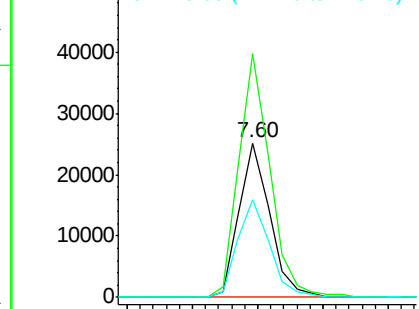
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.60 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Instrument :
BNA_F
ClientSampled :
UB10A

Tgt Ion:152 Resp: 41428
Ion Ratio Lower Upper
152 100
150 157.9 121.7 182.5
115 63.7 47.0 70.6



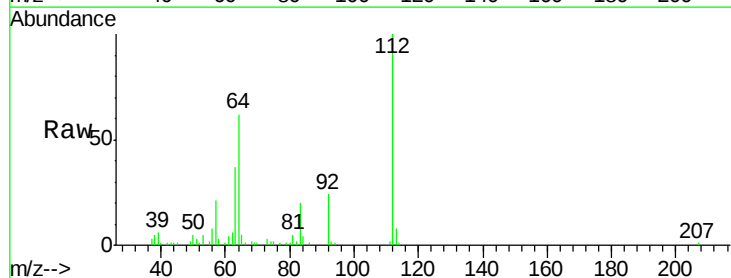
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



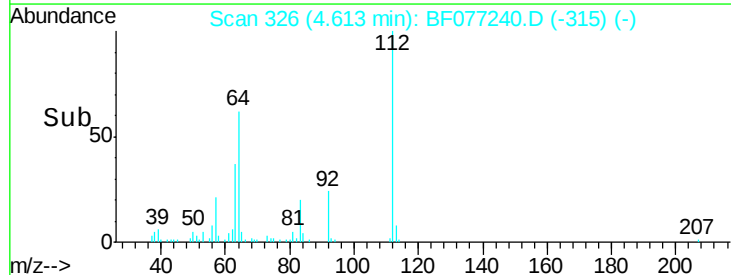
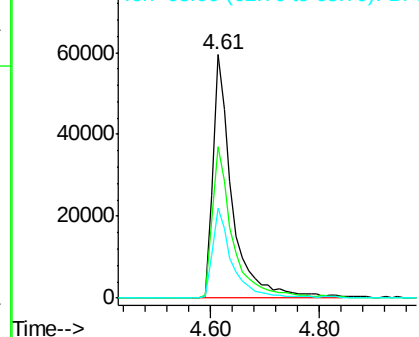
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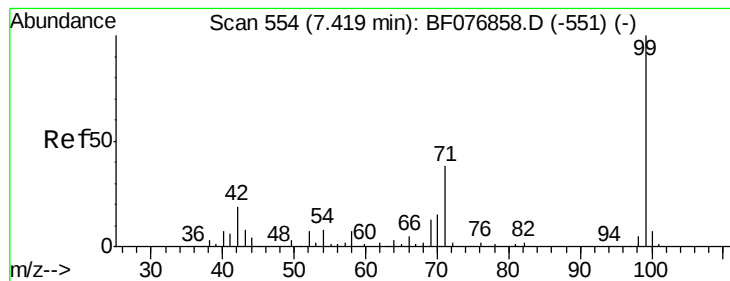
2-Fluorophenol
Concen: 58.87 ng
RT: 4.61 min Scan# 326
Delta R.T. 0.02 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion:112 Resp: 148343
Ion Ratio Lower Upper
112 100
64 62.2 54.2 81.4
63 37.0 28.4 42.6



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: 59.98 ng

RT: 7.04 min Scan# 538

Delta R.T. 0.02 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

UB10A

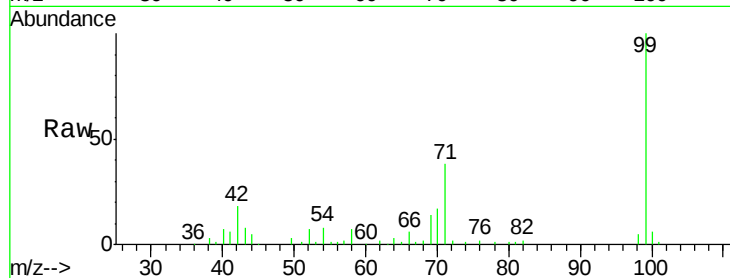
Tgt Ion: 99 Resp: 190639

Ion Ratio Lower Upper

99 100

42 18.1 15.0 22.4

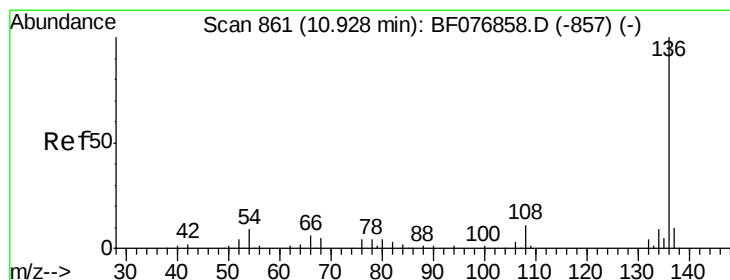
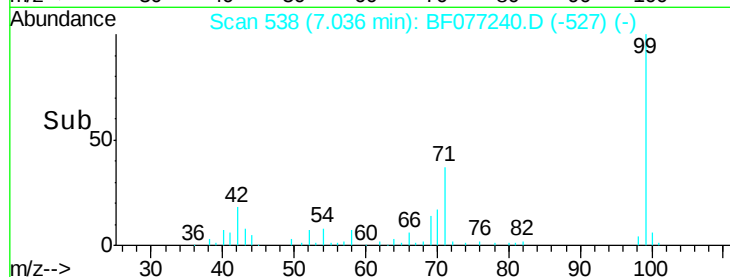
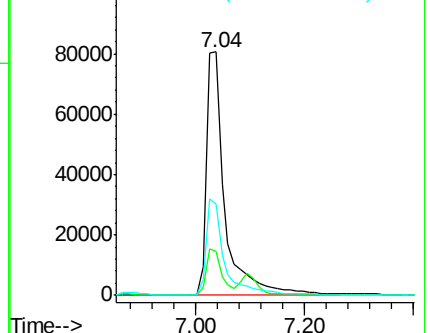
71 37.5 30.5 45.7



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: 10.51 min Scan# 842

Delta R.T. 0.01 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Tgt Ion: 136 Resp: 182972

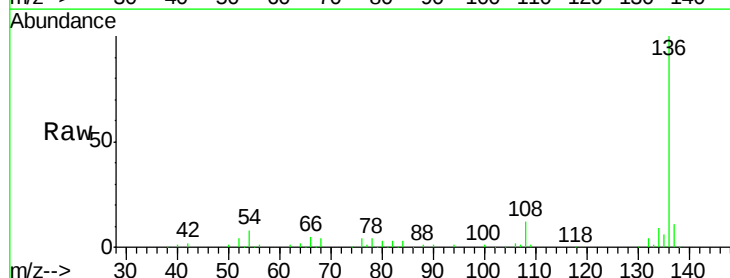
Ion Ratio Lower Upper

136 100

137 10.7 8.1 12.1

54 8.0 7.0 10.4

68 4.0 3.7 5.5

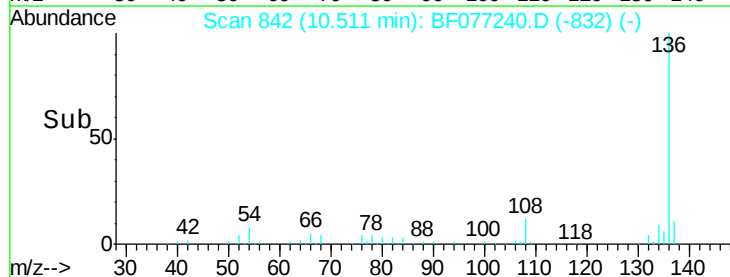
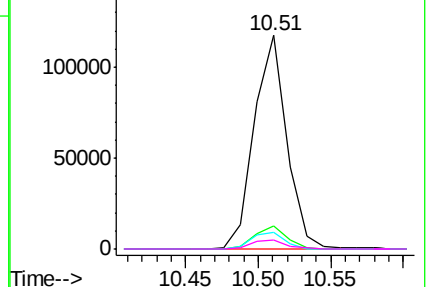


Abundance Ion 136.00 (135.70 to 136.70): E

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

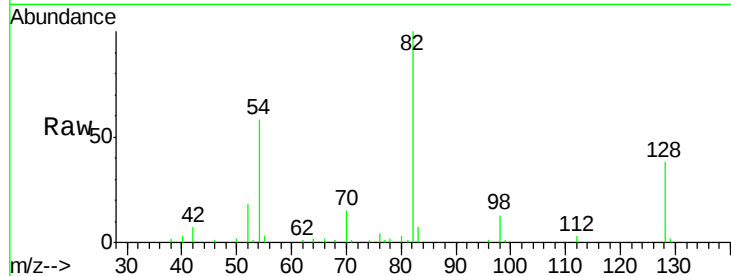




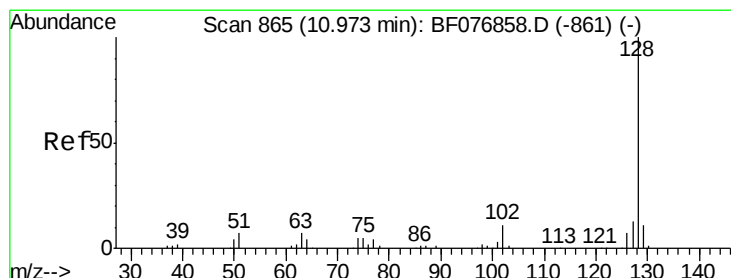
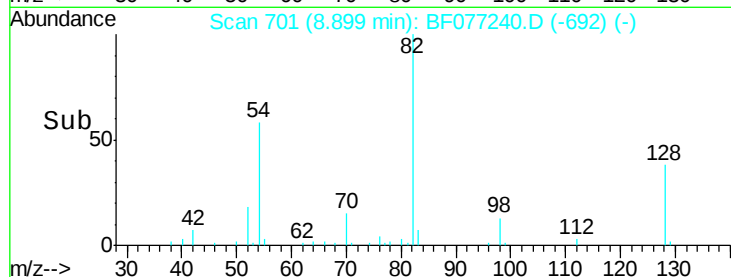
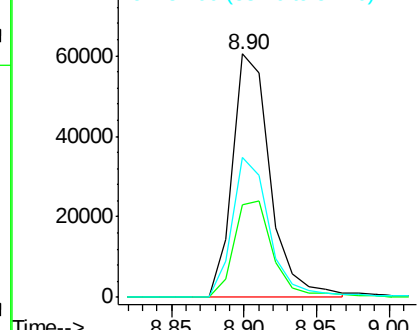
#23
 Nitrobenzene-d5
 Concen: 33.18 ng
 RT: 8.90 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Instrument :
 BNA_F
 ClientSampleId :
 UB10A

Tgt Ion: 82 Resp: 109568
 Ion Ratio Lower Upper
 82 100
 128 38.1 33.1 49.7
 54 57.6 48.3 72.5

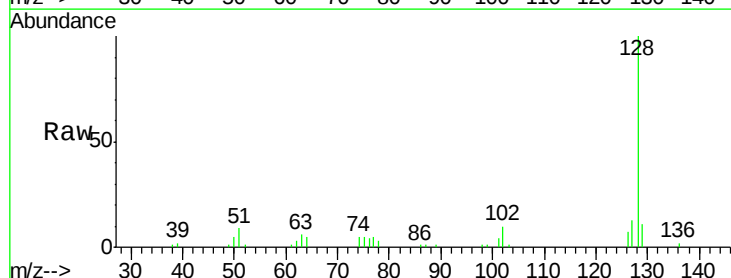


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

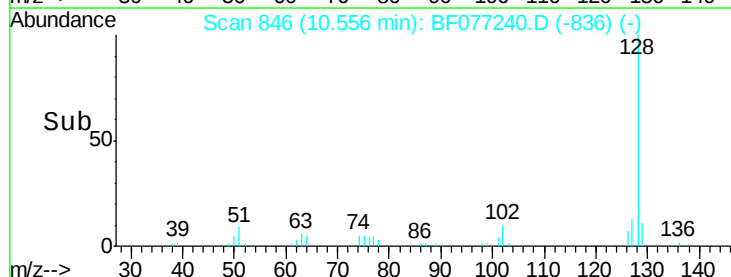
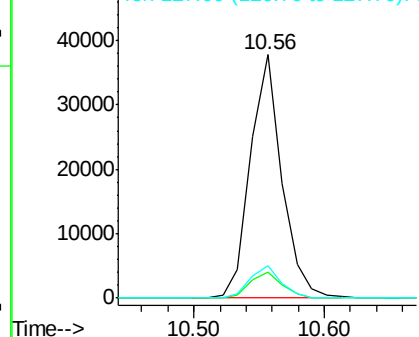


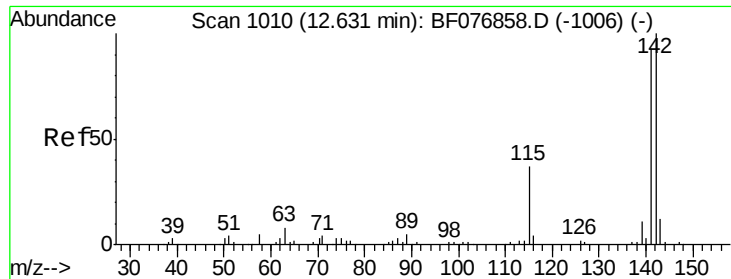
#31
 Naphthalene
 Concen: 6.79 ng
 RT: 10.56 min Scan# 846
 Delta R.T. 0.01 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Tgt Ion: 128 Resp: 63971
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.0 13.6
 127 13.3 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

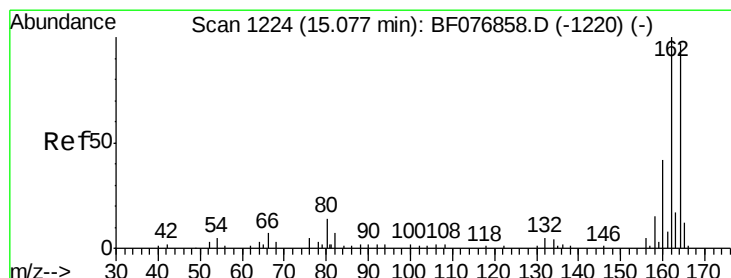
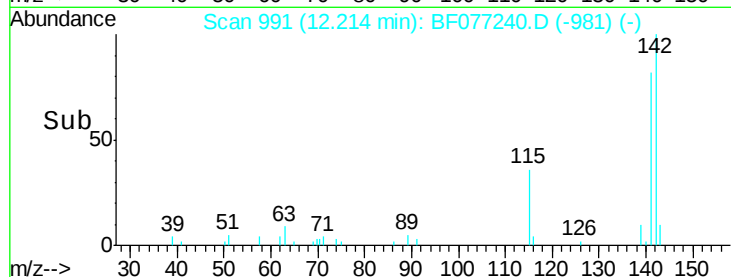
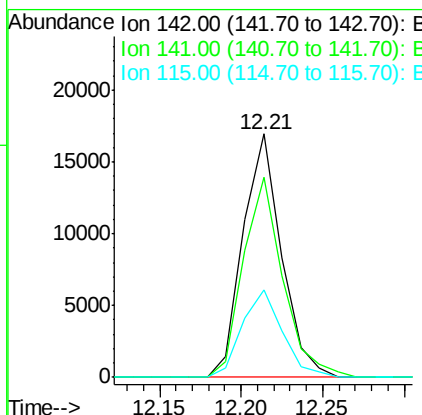
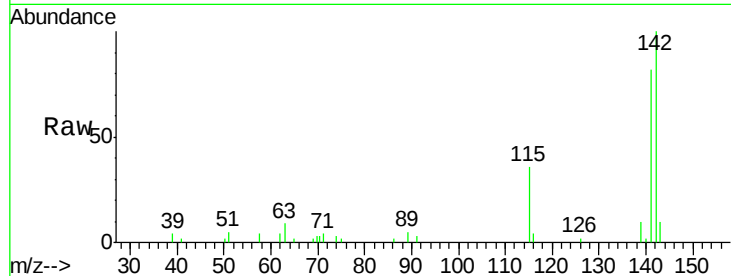




#37
2-Methylnaphthalene
Concen: 4.32 ng
RT: 12.21 min Scan# 991
Delta R.T. 0.01 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

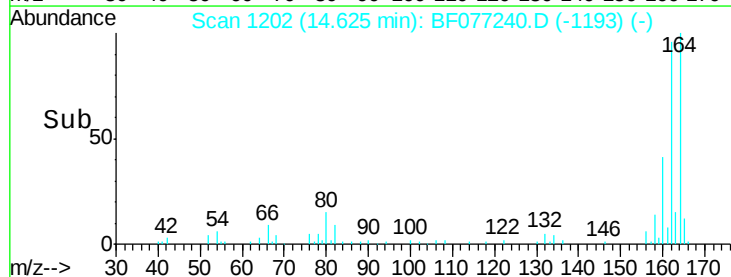
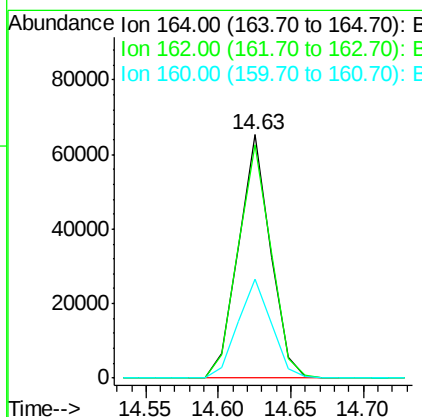
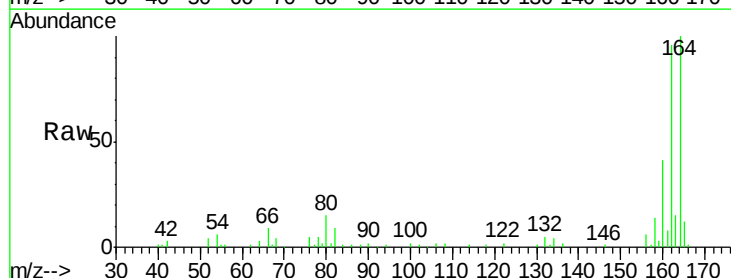
Instrument :
BNA_F
ClientSampleId :
UB10A

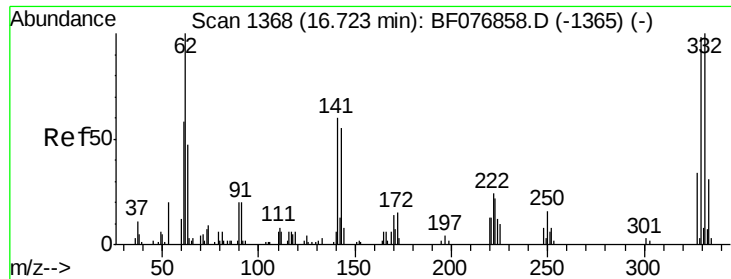
Tgt Ion:142 Resp: 27802
Ion Ratio Lower Upper
142 100
141 82.4 74.5 111.7
115 35.9 29.7 44.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion:164 Resp: 99518
Ion Ratio Lower Upper
164 100
162 96.1 82.4 123.6
160 40.6 34.8 52.2





#41

2,4,6-Tribromophenol

Concen: 49.27 ng

RT: 16.39 min Scan# 1356

Delta R.T. 0.01 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

UB10A

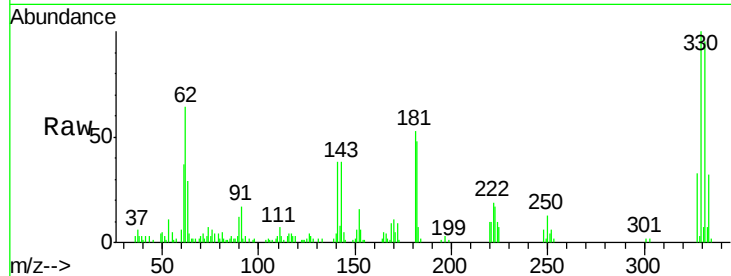
Tgt Ion:330 Resp: 39798

Ion Ratio Lower Upper

330 100

332 97.4 77.8 116.6

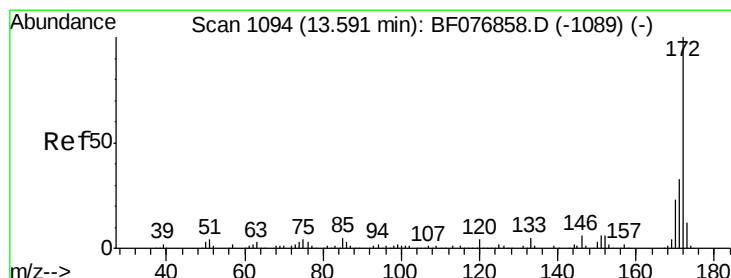
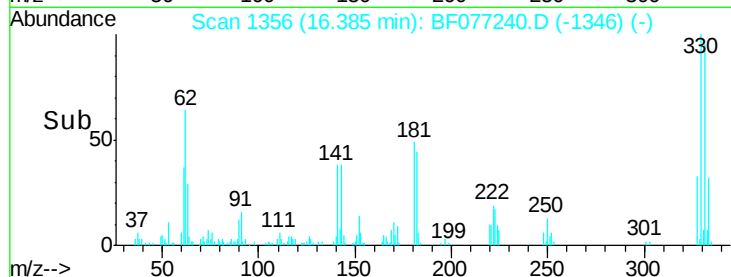
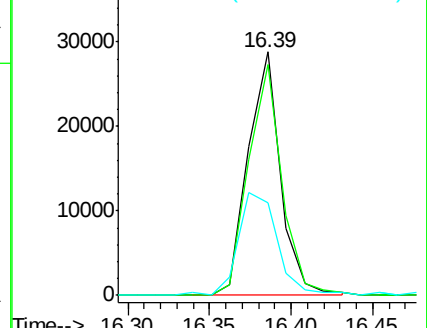
141 50.9 38.5 57.7



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: 38.96 ng

RT: 13.16 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

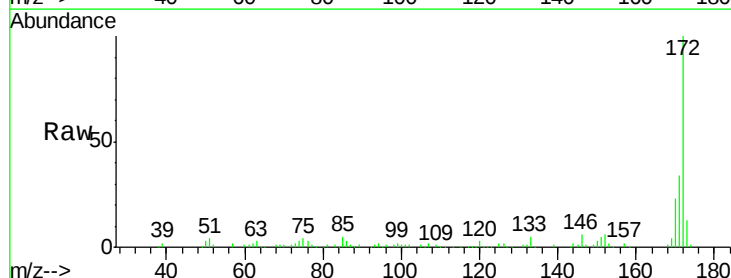
Tgt Ion:172 Resp: 254798

Ion Ratio Lower Upper

172 100

171 33.8 26.6 40.0

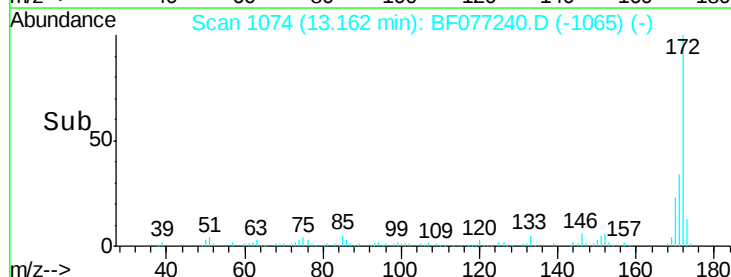
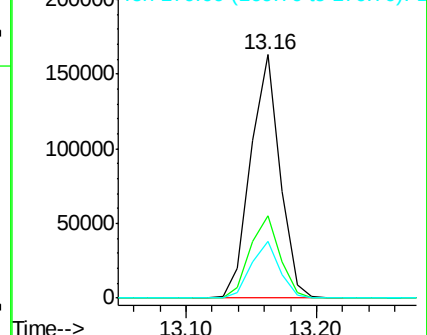
170 23.5 18.0 27.0

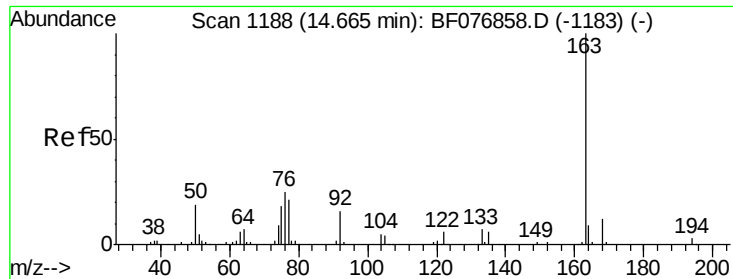


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.52 ng

RT: 14.24 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

UB10A

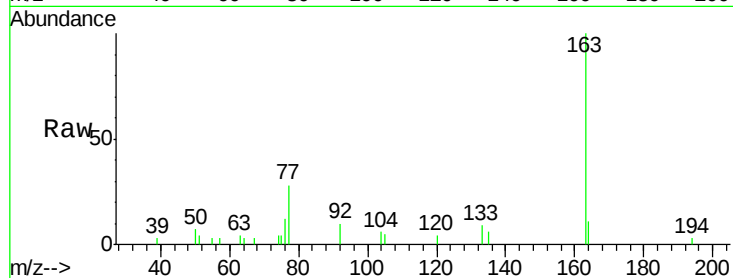
Tgt Ion:163 Resp: 17780

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

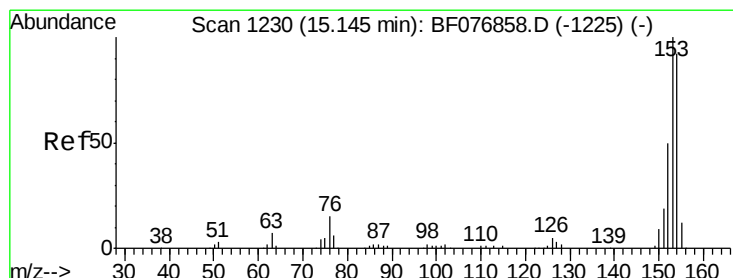
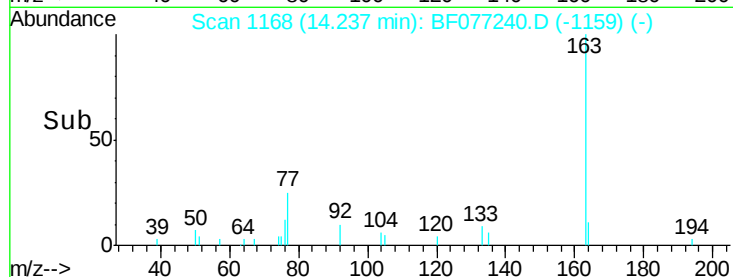
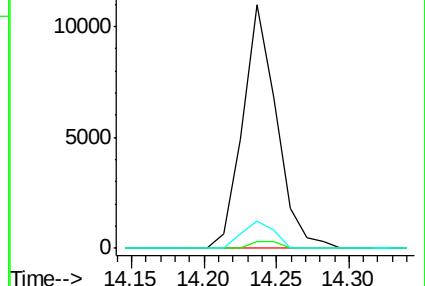
164 11.3 7.5 11.3



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: 12.13 ng

RT: 14.69 min Scan# 1208

Delta R.T. 0.00 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

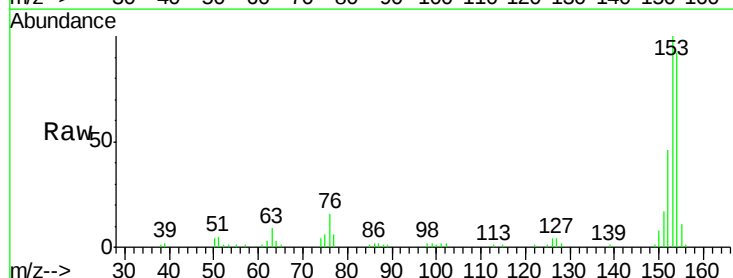
Tgt Ion:154 Resp: 70501

Ion Ratio Lower Upper

154 100

153 109.3 87.0 130.6

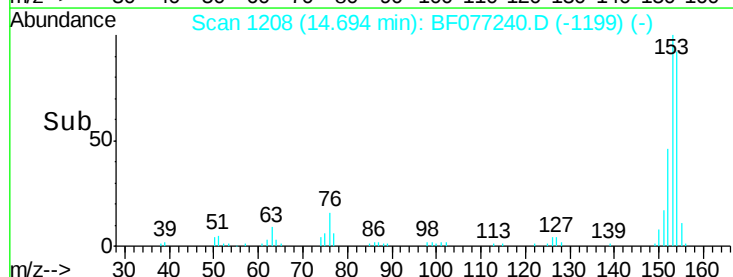
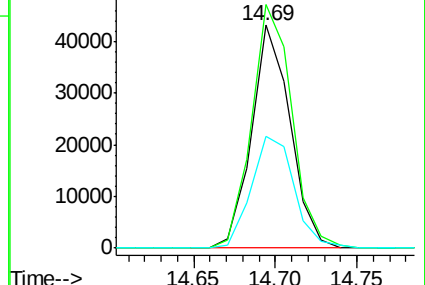
152 50.4 43.5 65.3

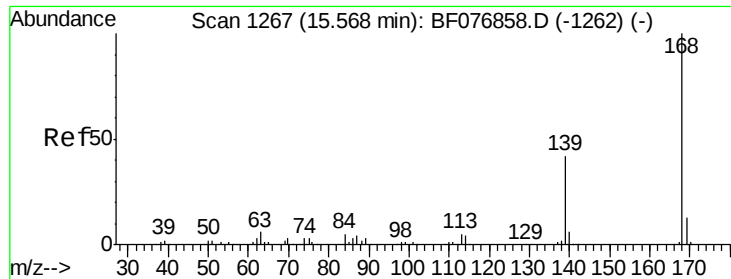


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

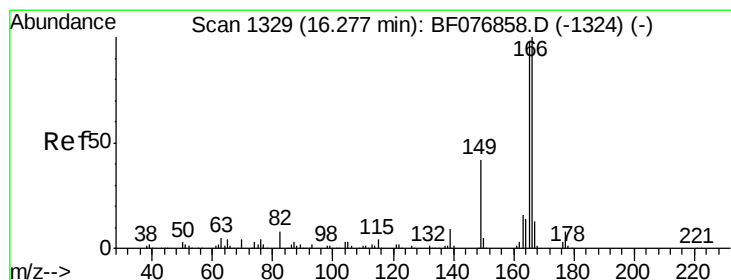
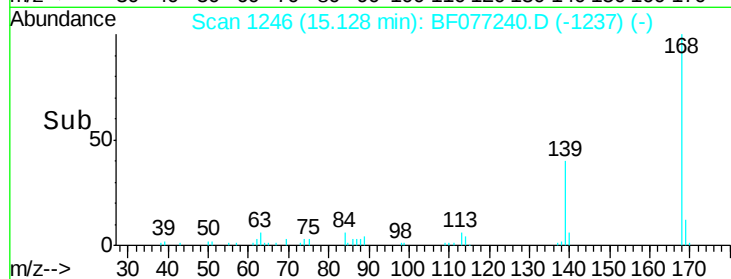
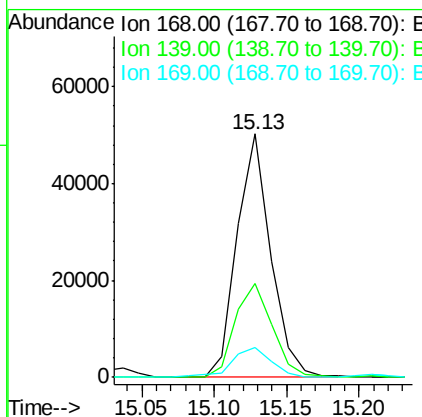
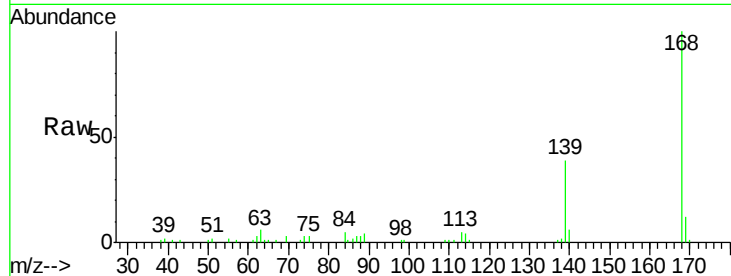




#54
Dibenzenofuran
Concen: 9.61 ng
RT: 15.13 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

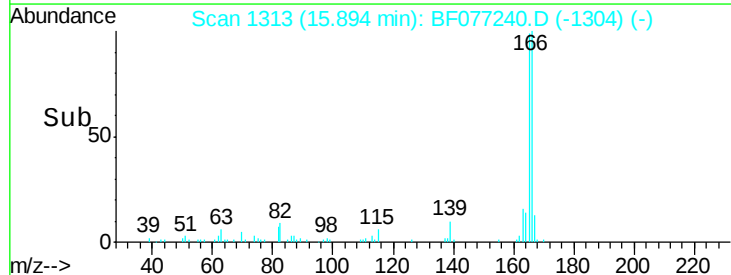
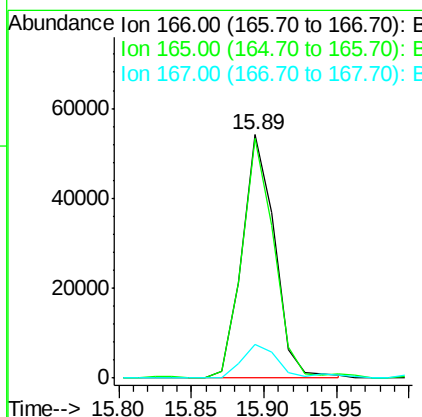
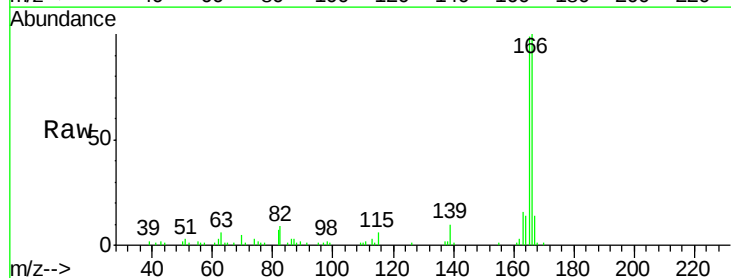
Instrument :
BNA_F
ClientSampleId :
UB10A

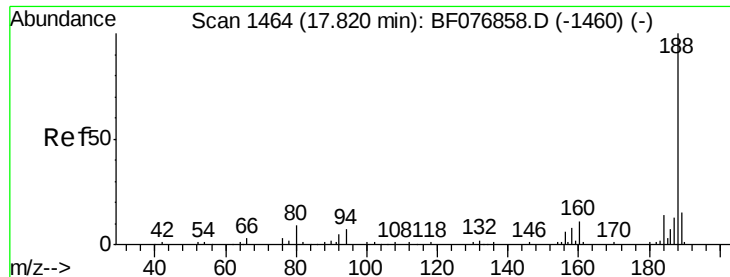
Tgt Ion:168 Resp: 81365
Ion Ratio Lower Upper
168 100
139 38.8 33.4 50.2
169 12.5 10.6 15.8



#57
Fluorene
Concen: 11.75 ng
RT: 15.89 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion:166 Resp: 84255
Ion Ratio Lower Upper
166 100
165 98.6 78.5 117.7
167 13.7 10.4 15.6

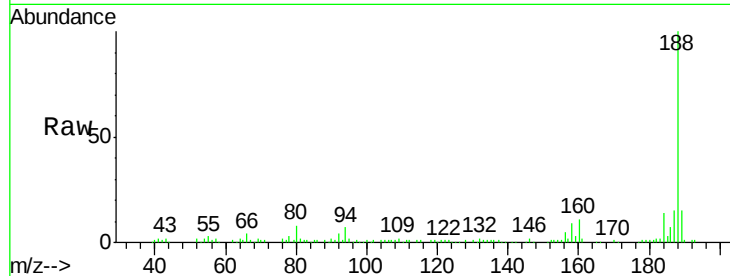




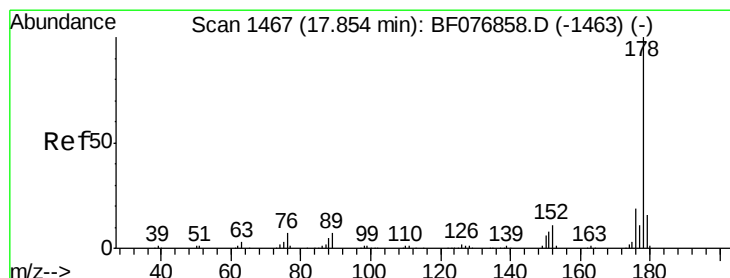
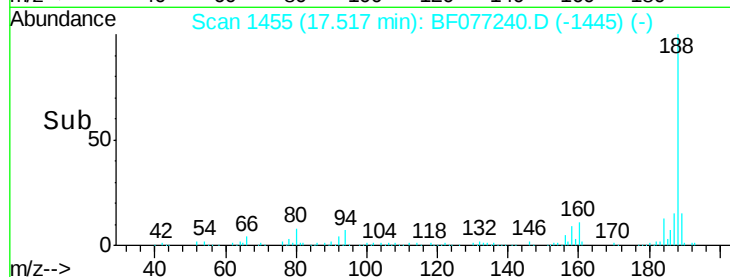
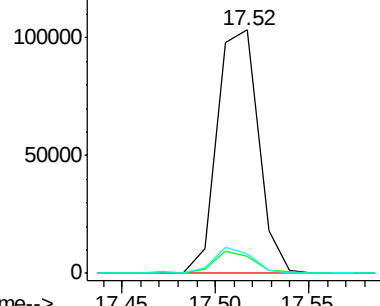
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.52 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Instrument :
 BNA_F
 ClientSampleId :
 UB10A

Tgt Ion:188 Resp: 158404
 Ion Ratio Lower Upper
 188 100
 94 6.8 6.0 9.0
 80 8.0 6.9 10.3

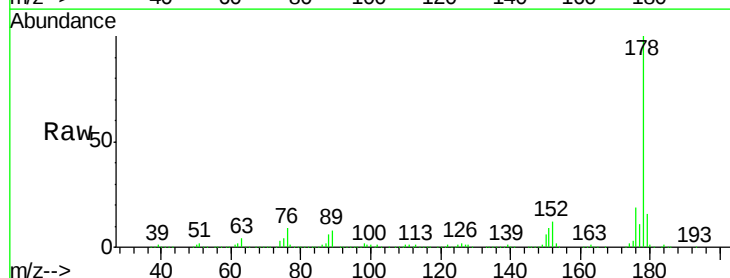


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

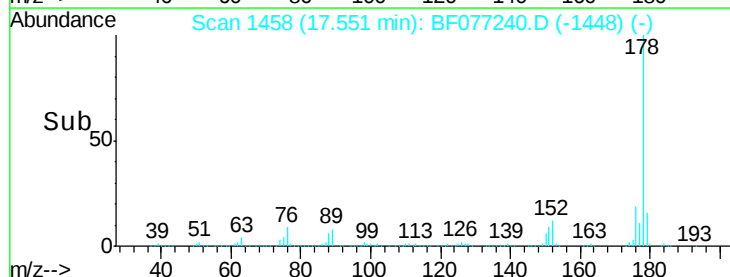
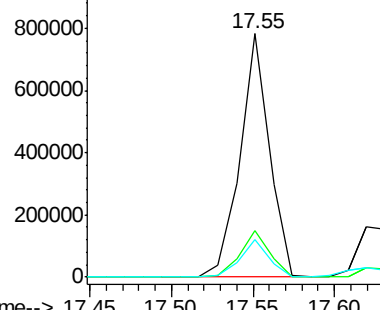


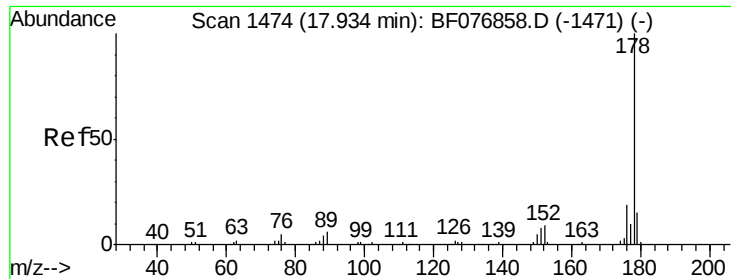
#70
 Phenanthrene
 Concen: 98.94 ng
 RT: 17.55 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Tgt Ion:178 Resp: 977362
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.1 22.7
 179 15.6 12.7 19.1



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

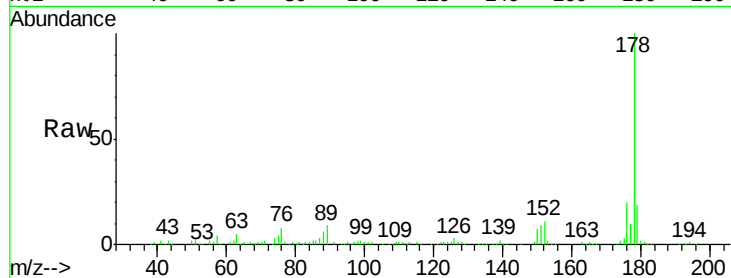




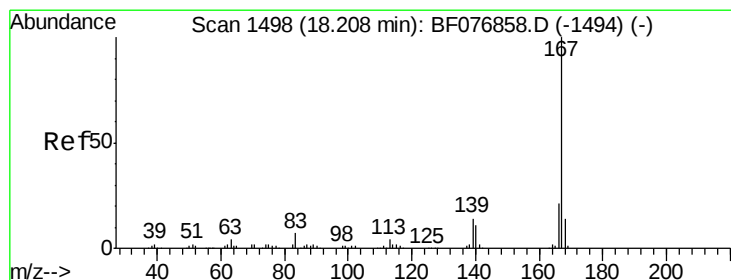
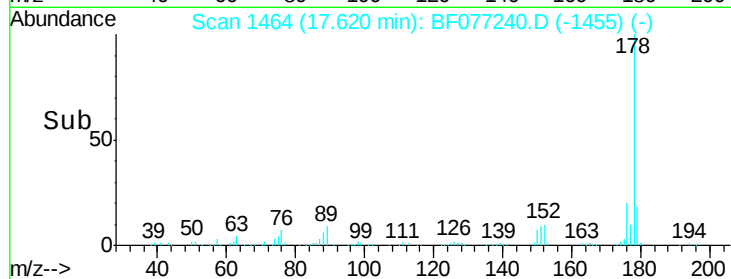
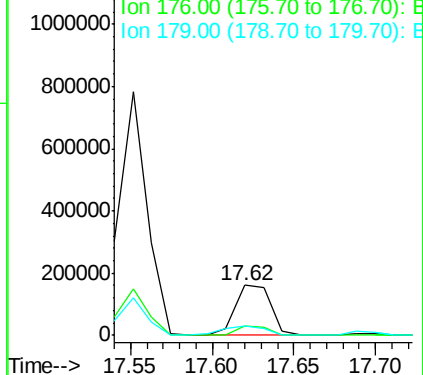
#71
 Anthracene
 Concen: 24.84 ng
 RT: 17.62 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Instrument :
 BNA_F
 ClientSampleId :
 UB10A

Tgt Ion:178 Resp: 239300
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 18.7 11.9 17.9#

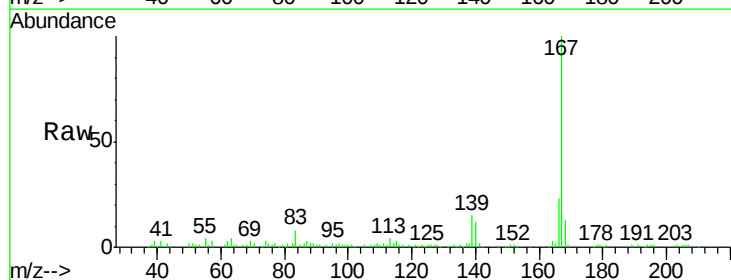


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

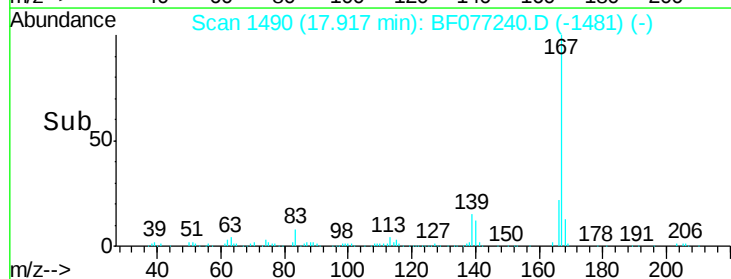
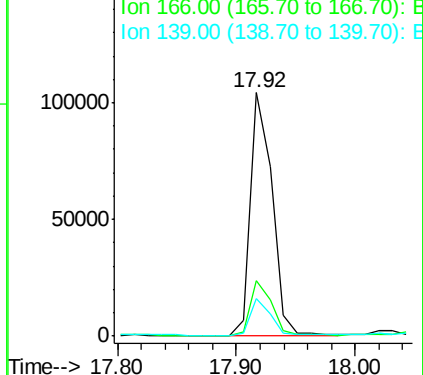


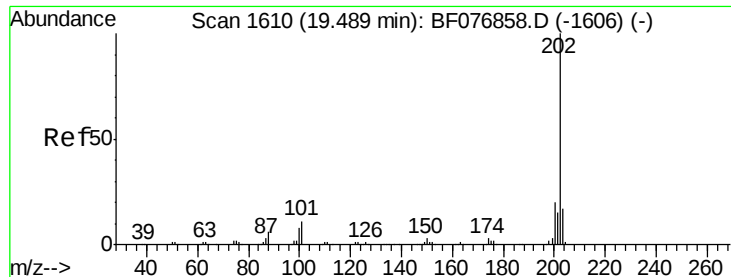
#72
 Carbazole
 Concen: 14.46 ng
 RT: 17.92 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Tgt Ion:167 Resp: 135107
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.0 25.6
 139 15.5 11.3 16.9



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: 96.75 ng

RT: 19.21 min Scan# 1603

Delta R.T. 0.01 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

UB10A

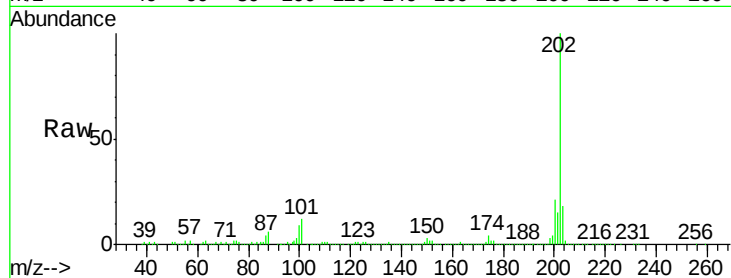
Tgt Ion:202 Resp: 979331

Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.7

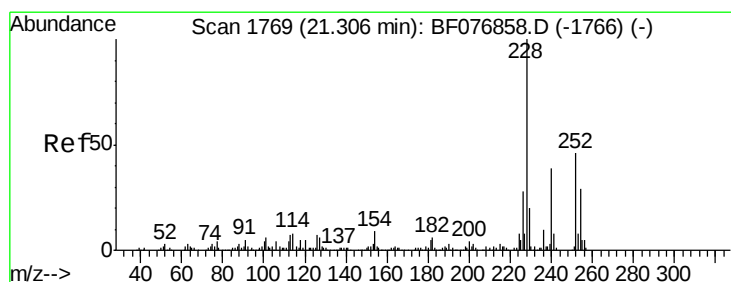
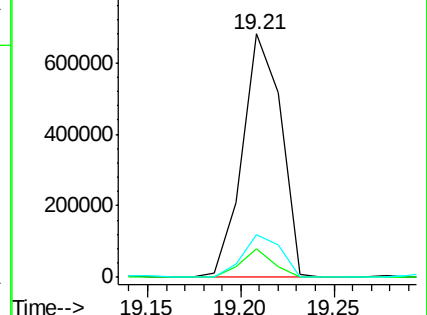
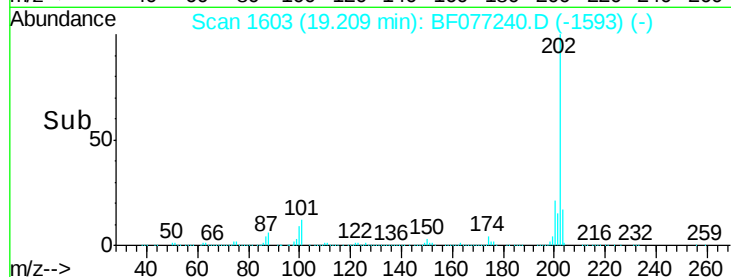
203 17.6 0.0 36.9



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: 21.04 min Scan# 1763

Delta R.T. 0.02 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

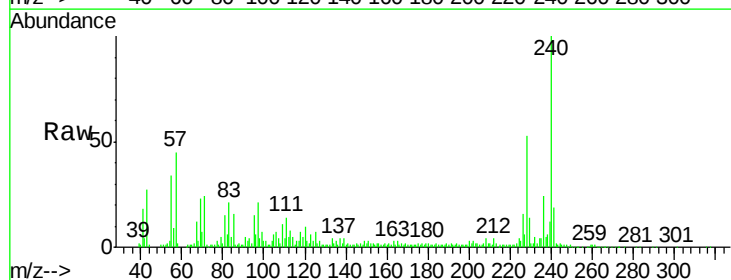
Tgt Ion:240 Resp: 151765

Ion Ratio Lower Upper

240 100

120 9.6 10.4 15.6#

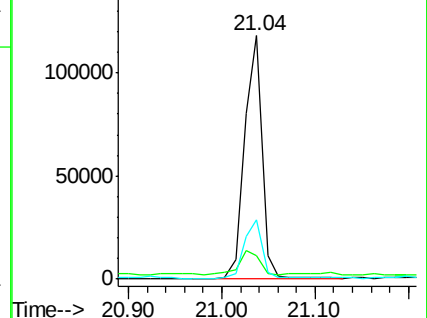
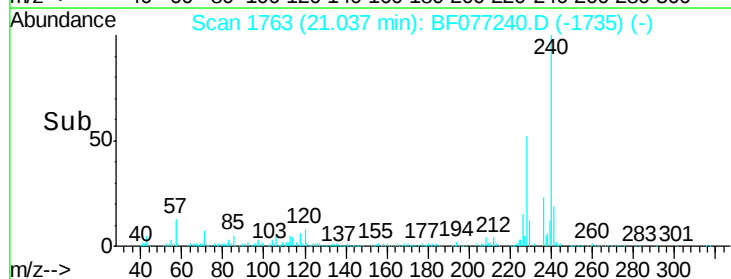
236 24.4 20.2 30.2

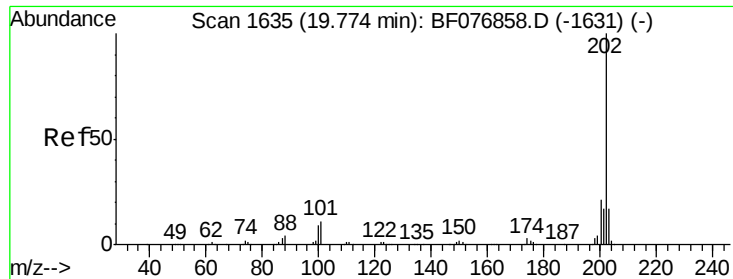


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

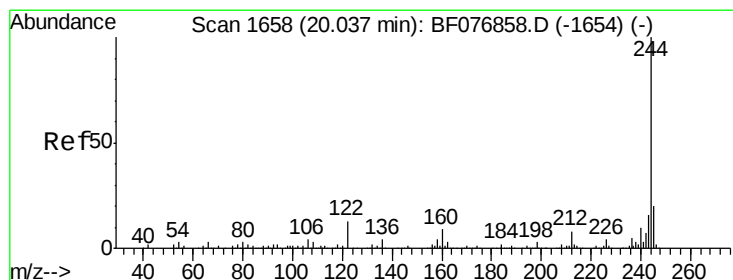
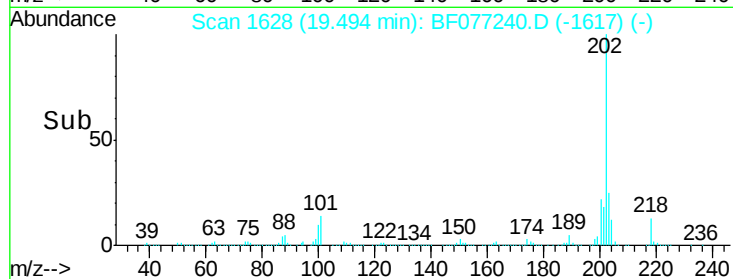
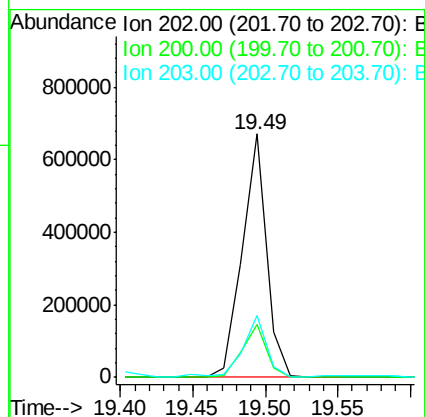
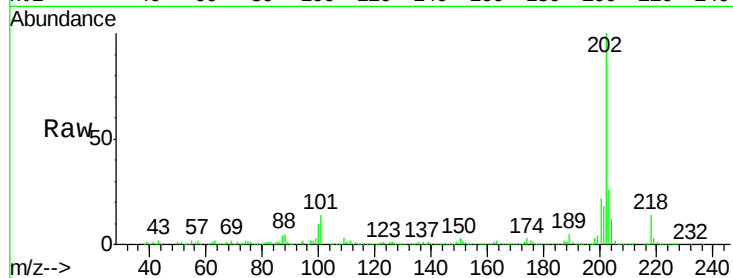




#77
 Pyrene
 Concen: 74.70 ng
 RT: 19.49 min Scan# 1628
 Delta R.T. 0.02 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

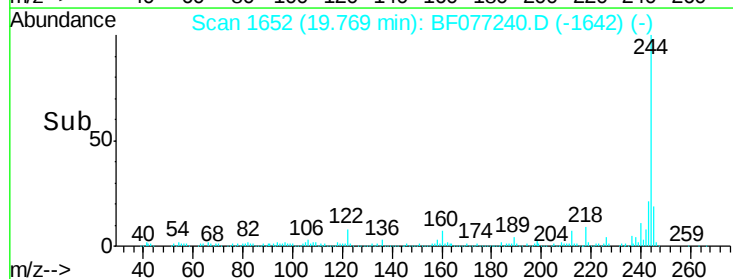
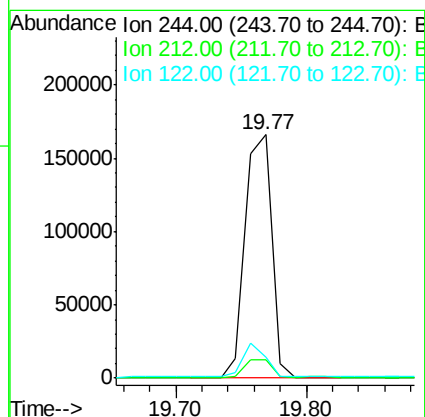
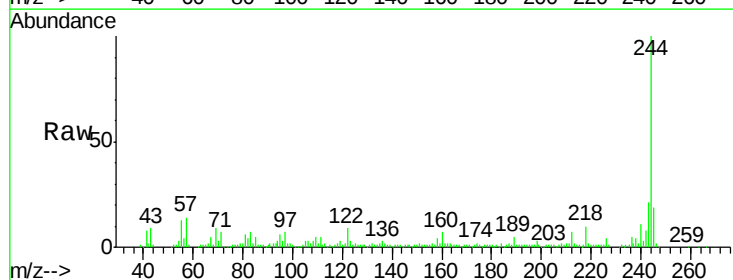
Instrument :
 BNA_F
 ClientSampleId :
 UB10A

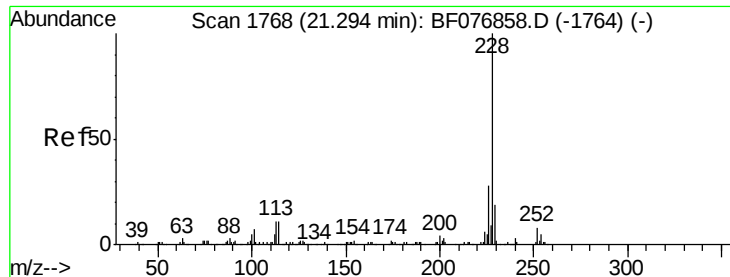
Tgt Ion: 202 Resp: 776999
 Ion Ratio Lower Upper
 202 100
 200 21.6 16.7 25.1
 203 25.5 14.0 21.0#



#78
 Terphenyl-d14
 Concen: 35.82 ng
 RT: 19.77 min Scan# 1652
 Delta R.T. 0.01 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Tgt Ion: 244 Resp: 236166
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 8.5 10.1 15.1#

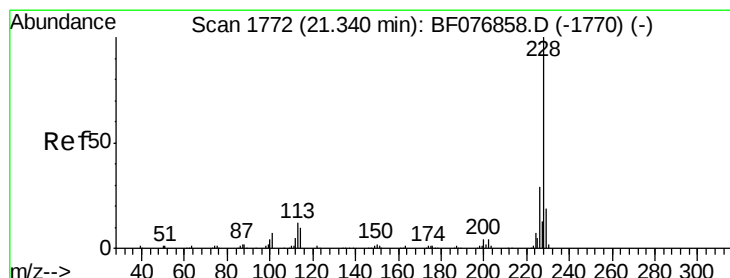
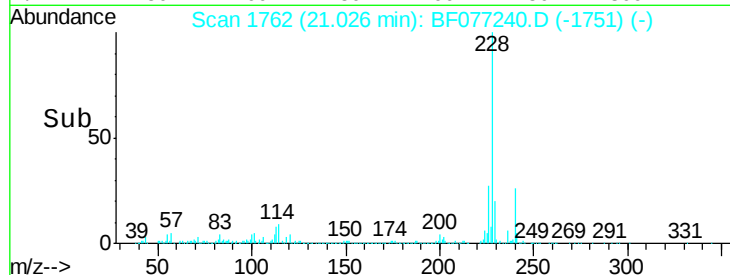
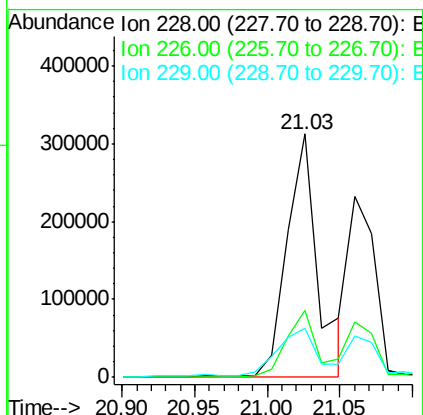
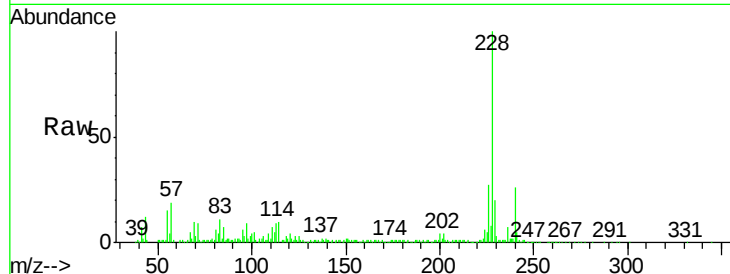




#80
Benzo(a)anthracene
Concen: 47.98 ng
RT: 21.03 min Scan# 1762
Delta R.T. 0.02 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

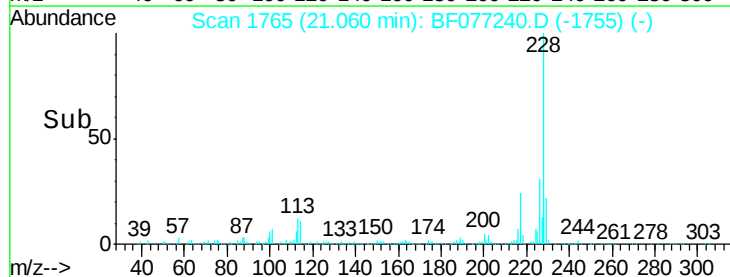
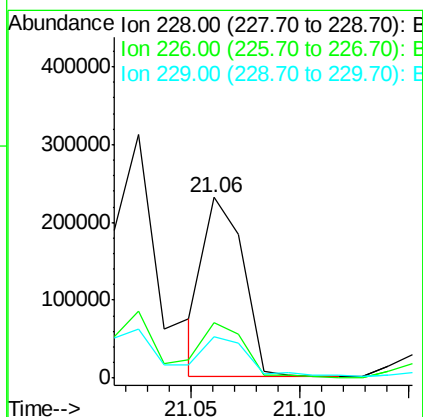
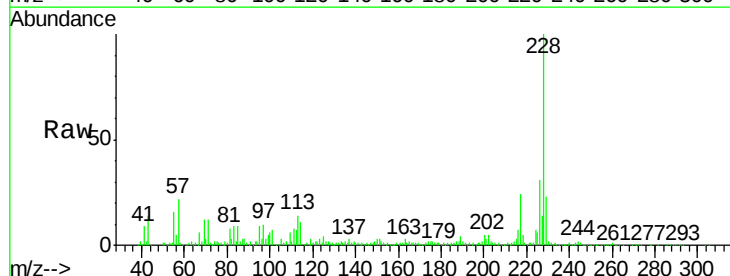
Instrument :
BNA_F
ClientSampleId :
UB10A

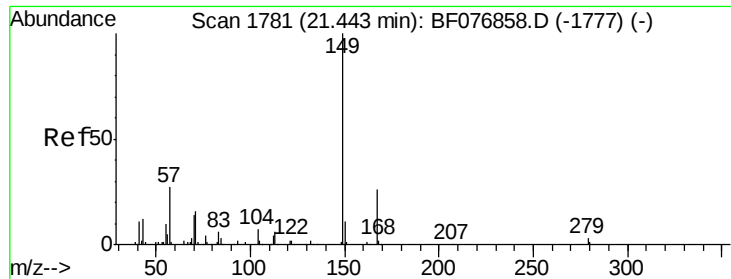
Tgt Ion:228 Resp: 456817
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 20.1 15.5 23.3



#82
Chrysene
Concen: 33.31 ng
RT: 21.06 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion:228 Resp: 289263
Ion Ratio Lower Upper
228 100
226 31.0 23.4 35.0
229 23.0 15.4 23.0

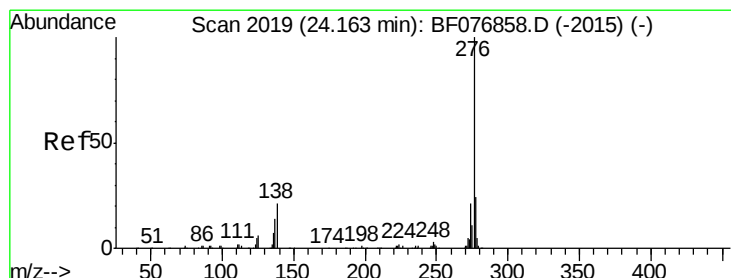
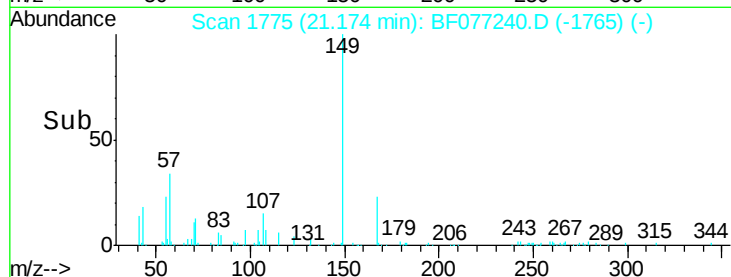
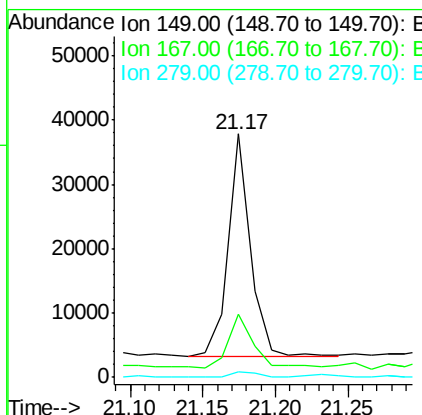
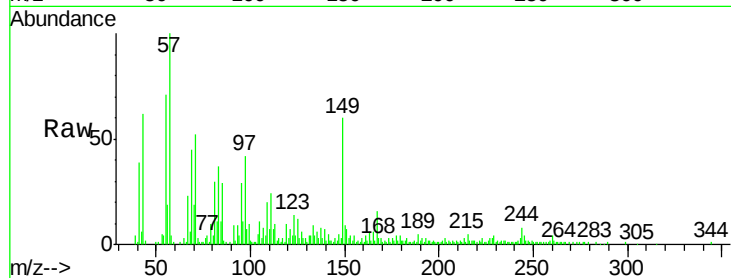




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.59 ng
 RT: 21.17 min Scan# 1775
 Delta R.T. 0.01 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

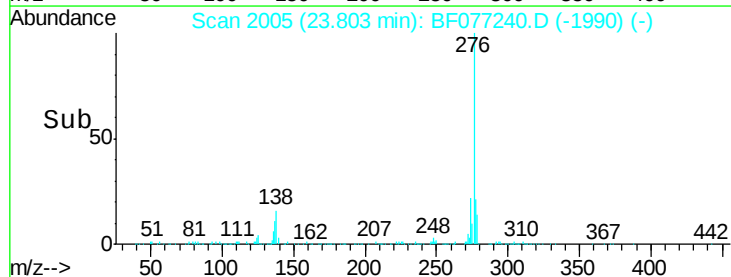
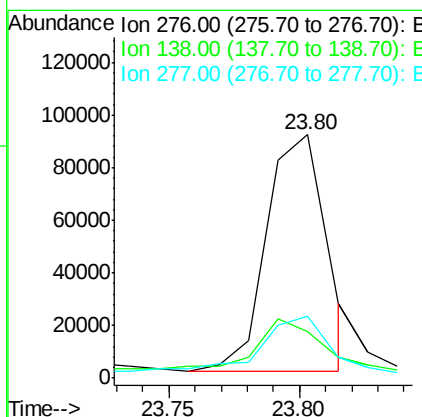
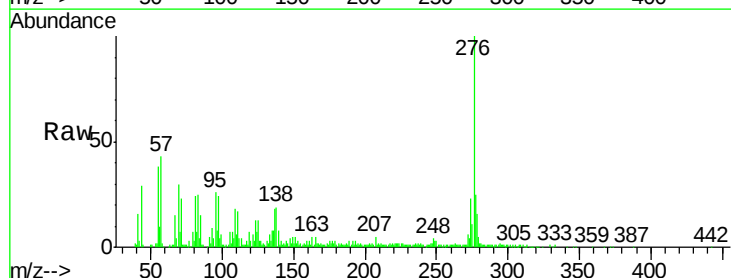
Instrument :
 BNA_F
 ClientSampleId :
 UB10A

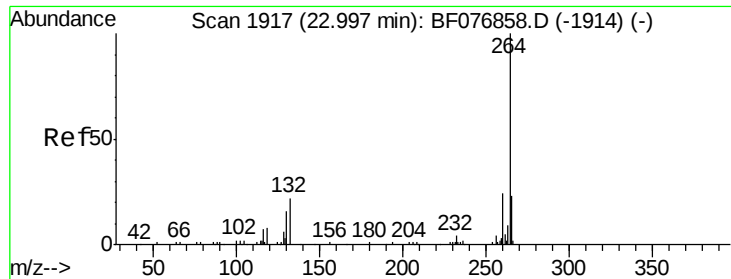
Tgt Ion:149 Resp: 36431
 Ion Ratio Lower Upper
 149 100
 167 25.7 20.6 30.8
 279 2.1 2.2 3.2#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 15.68 ng
 RT: 23.80 min Scan# 2005
 Delta R.T. 0.07 min
 Lab File: BF077240.D
 Acq: 10 Feb 2015 18:06

Tgt Ion:276 Resp: 144326
 Ion Ratio Lower Upper
 276 100
 138 22.2 14.6 22.0#
 277 25.0 14.8 22.2#



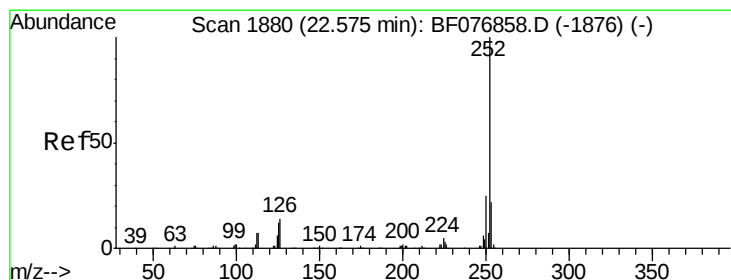
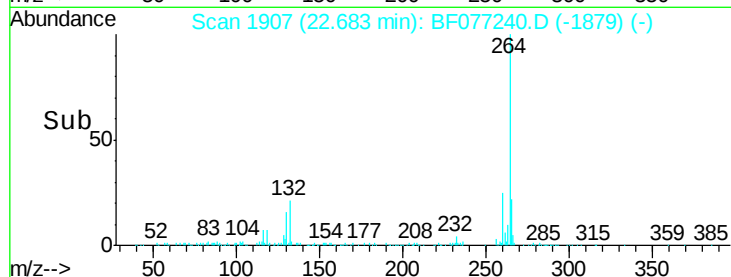
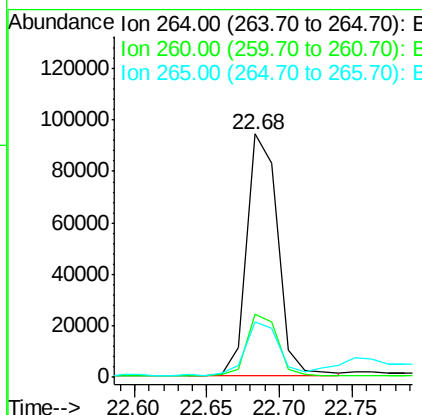
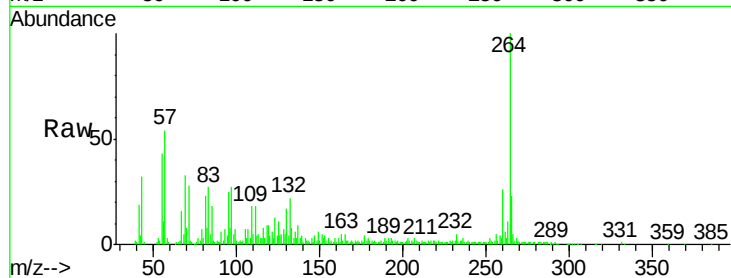


#86
Perylene-d12
Concen: 20.00 ng
RT: 22.68 min Scan# 1907
Delta R.T. 0.02 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Instrument :
BNA_F
ClientSampleId :
UB10A

Tgt Ion: 264 Resp: 139321

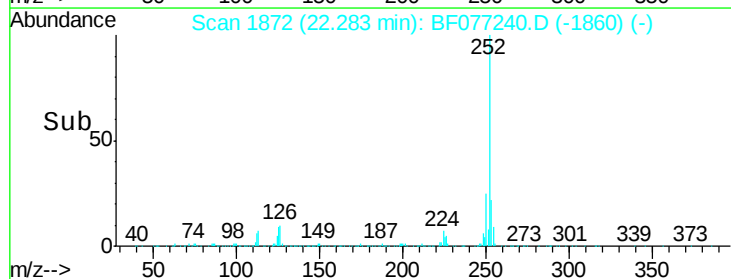
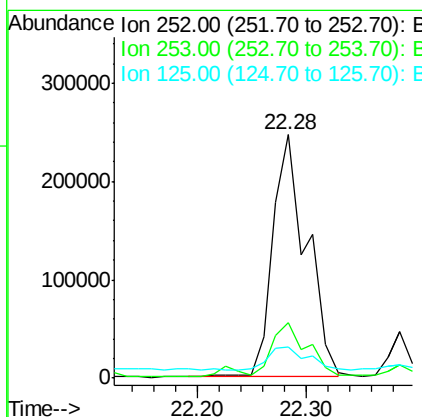
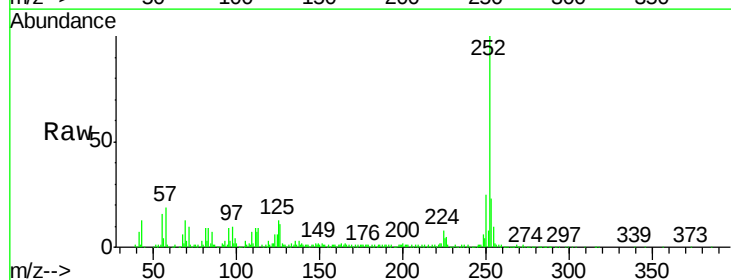
Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.0	28.4
265	22.8	18.1	27.1

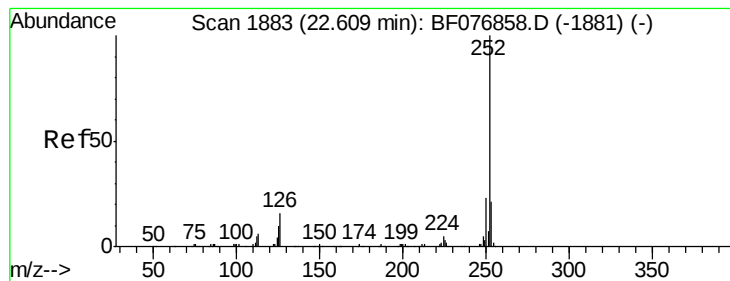


#87
Benzo(b)fluoranthene
Concen: 56.49 ng
RT: 22.28 min Scan# 1872
Delta R.T. 0.03 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion: 252 Resp: 530034

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	12.8	9.4	14.0





#88

Benzo(k)fluoranthene

Concen: 64.65 ng

RT: 22.28 min Scan# 1872

Delta R.T. 0.03 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

Instrument :

BNA_F

ClientSampleId :

UB10A

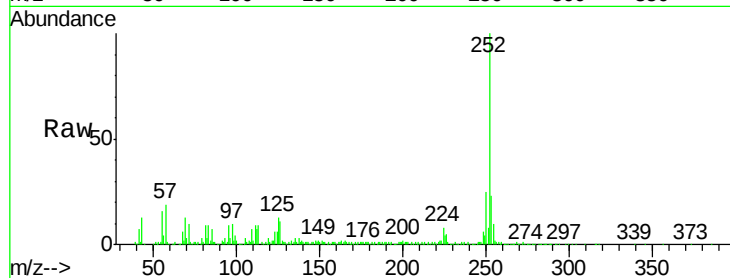
Tgt Ion:252 Resp: 530034

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

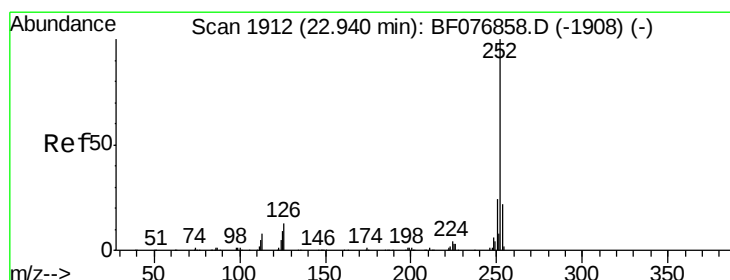
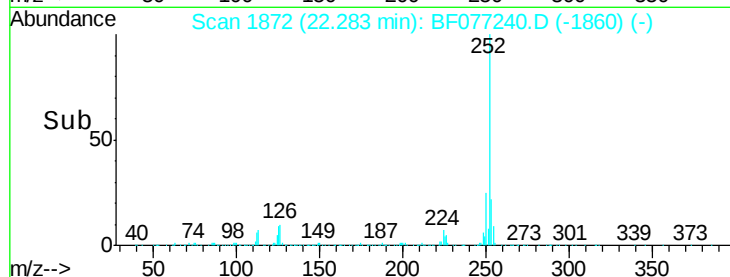
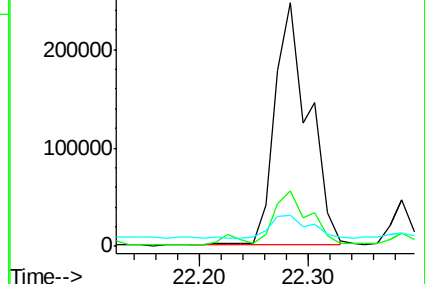
125 12.8 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 33.20 ng

RT: 22.63 min Scan# 1902

Delta R.T. 0.03 min

Lab File: BF077240.D

Acq: 10 Feb 2015 18:06

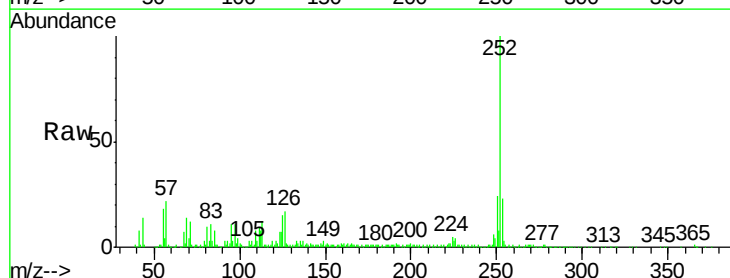
Tgt Ion:252 Resp: 274789

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

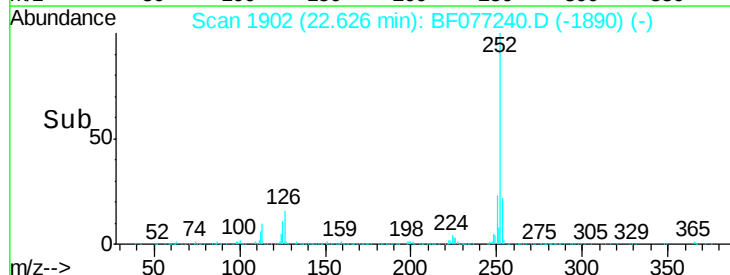
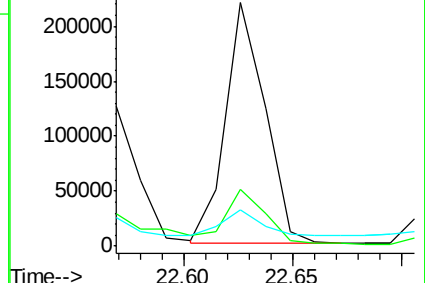
125 14.9 7.2 10.8#

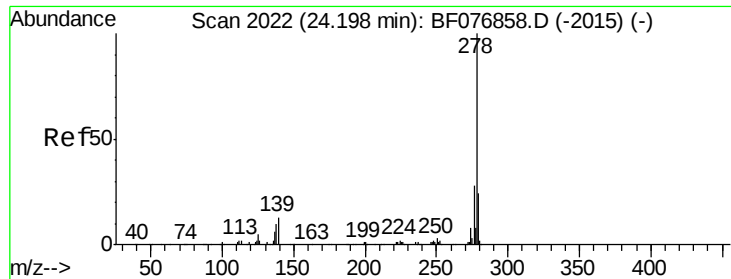


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

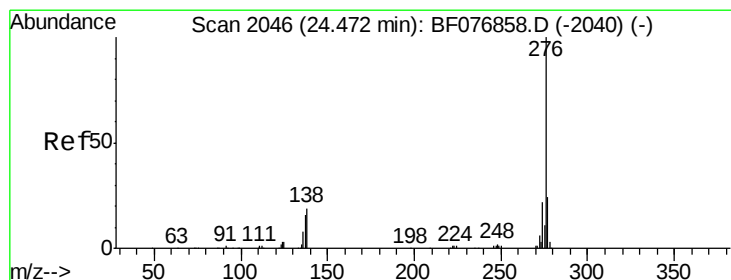
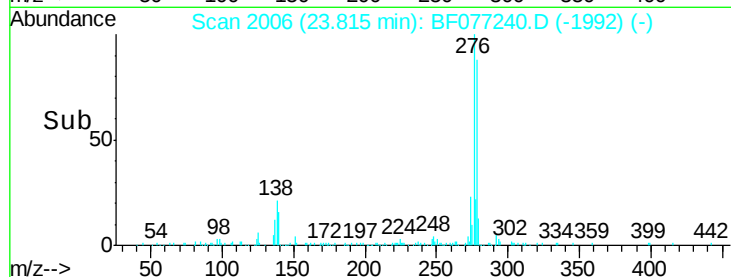
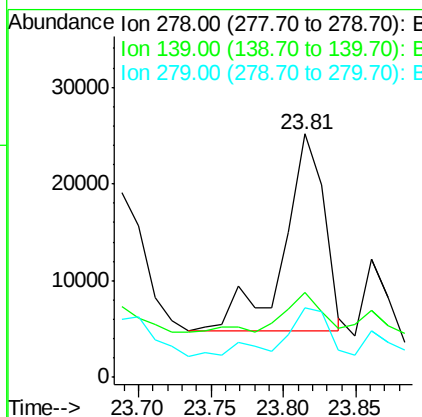
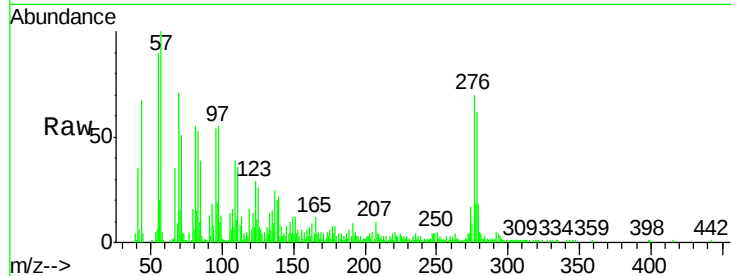




#90
Dibenzo(a,h)anthracene
Concen: 5.16 ng
RT: 23.81 min Scan# 2006
Delta R.T. 0.06 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Instrument :
BNA_F
ClientSampleId :
UB10A

Tgt Ion: 278 Resp: 39167
Ion Ratio Lower Upper
278 100
139 34.9 10.5 15.7#
279 28.5 19.3 28.9



#91
Benzo(g,h,i)perylene
Concen: 15.90 ng
RT: 24.07 min Scan# 2028
Delta R.T. 0.07 min
Lab File: BF077240.D
Acq: 10 Feb 2015 18:06

Tgt Ion: 276 Resp: 120010
Ion Ratio Lower Upper
276 100
277 25.9 19.5 29.3
138 20.7 15.0 22.6

