

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
 Data File : BF078397.D
 Acq On : 10 Apr 2015 11:37
 Operator : TP/IZ
 Sample : G1794-04RE
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 12:48:59 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 11:29:31 2015
 Response via : Initial Calibration

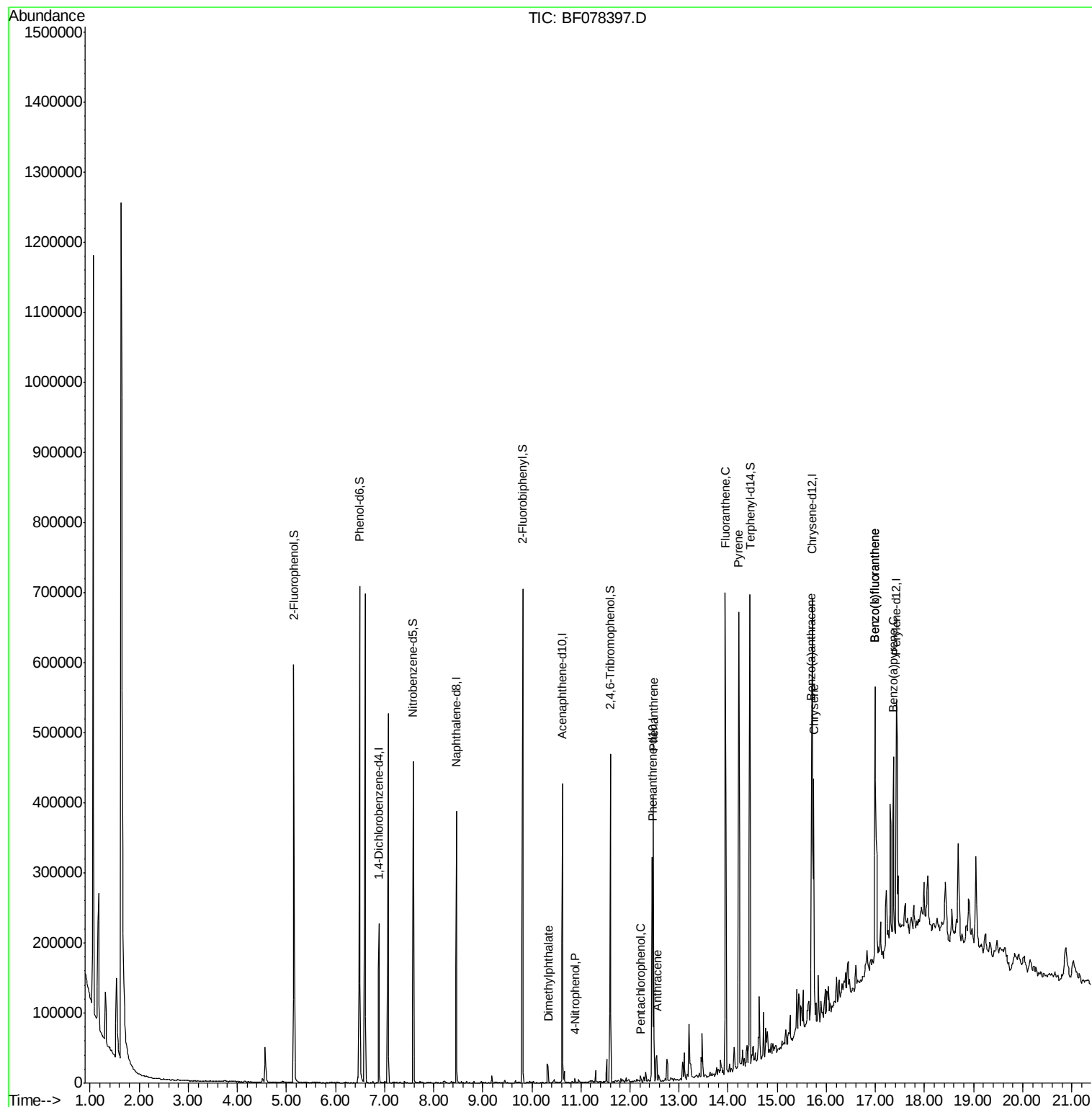
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	47040	20.00	ng	0.00
21) Naphthalene-d8	8.46	136	198139	20.00	ng	0.00
38) Acenaphthene-d10	10.63	164	98778	20.00	ng	-0.01
63) Phenanthrene-d10	12.45	188	184140	20.00	ng	-0.01
75) Chrysene-d12	15.71	240	188478	20.00	ng	-0.03
86) Perylene-d12	17.43	264	185192	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	200645	70.33	ng	-0.02
7) Phenol-d6	6.49	99	258033	72.17	ng	0.01
23) Nitrobenzene-d5	7.58	82	144446	44.19	ng	0.00
41) 2,4,6-Tribromophenol	11.60	330	53783	65.65	ng	-0.02
44) 2-Fluorobiphenyl	9.81	172	262108	37.93	ng	0.00
78) Terphenyl-d14	14.44	244	248676	29.81	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	10.33	163	17037	2.30	ng	99
55) 4-Nitrophenol	10.88	139	669	3.27	ng	# 18
69) Pentachlorophenol	12.23	266	530	8.26	ng	# 19
70) Phenanthrene	12.48	178	159621	14.99	ng	99
71) Anthracene	12.55	178	24279	2.31	ng	98
74) Fluoranthene	13.94	202	359096	31.97	ng	98
77) Pyrene	14.21	202	284302	24.03	ng	# 92
80) Benzo(a)anthracene	15.70	228	153275	13.67	ng	96
82) Chrysene	15.75	228	149123	14.15	ng	98
87) Benzo(b)fluoranthene	16.99	252	301236	26.32	ng	# 95
88) Benzo(k)fluoranthene	16.99	252	302607	29.75	ng	99
89) Benzo(a)pyrene	17.37	252	133976	13.41	ng	# 96

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

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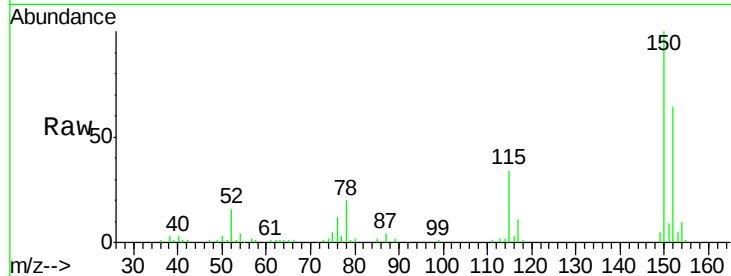


#1

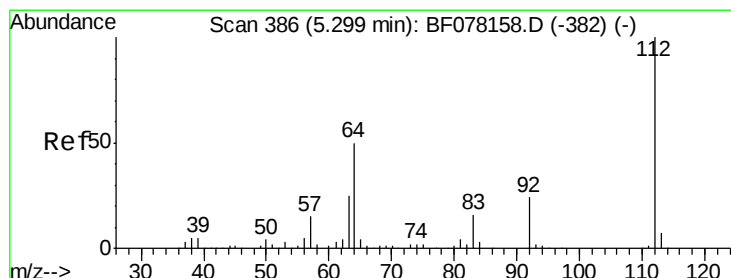
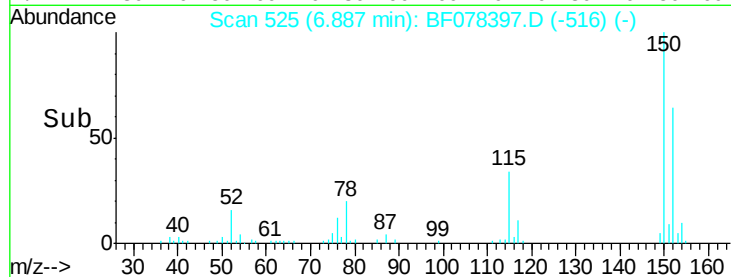
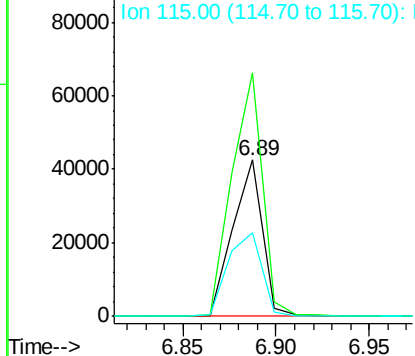
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 47040
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 53.2 52.7 79.1



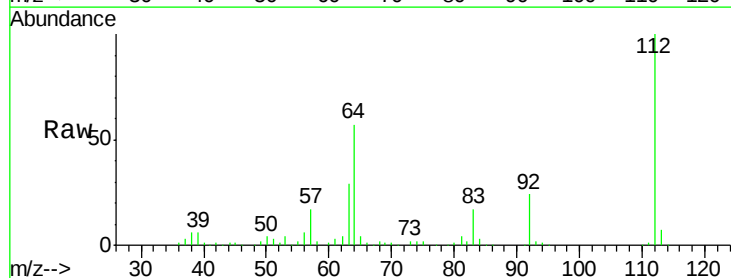
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



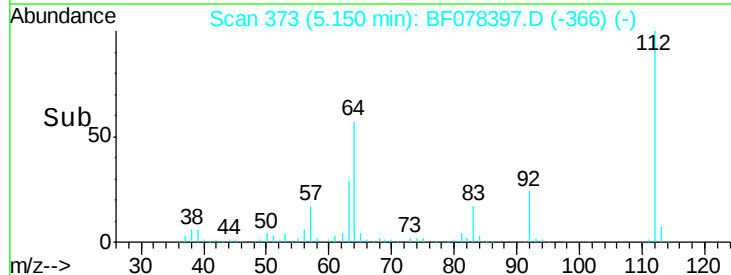
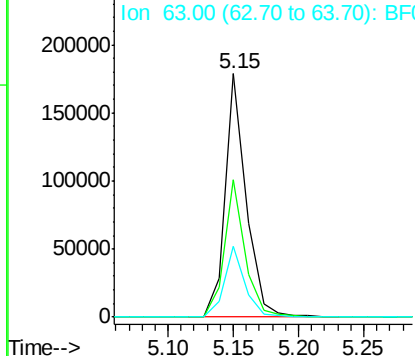
#5

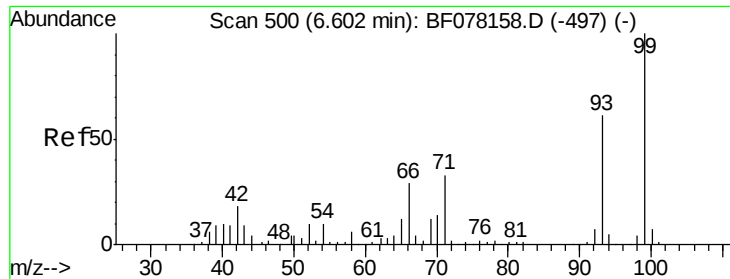
2-Fluorophenol
Concen: 70.33 ng
RT: 5.15 min Scan# 373
Delta R.T. -0.02 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion:112 Resp: 200645
Ion Ratio Lower Upper
112 100
64 56.6 39.9 59.9
63 28.8 20.2 30.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 72.17 ng

RT: 6.49 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Instrument :

BNA_F

ClientSampleId :

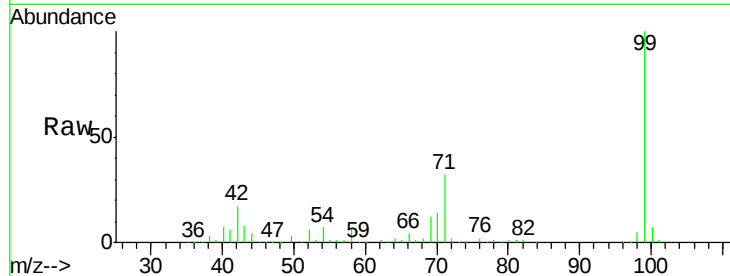
Tot Ion: 99 Resp: 258033

Ion Ratio Lower Upper

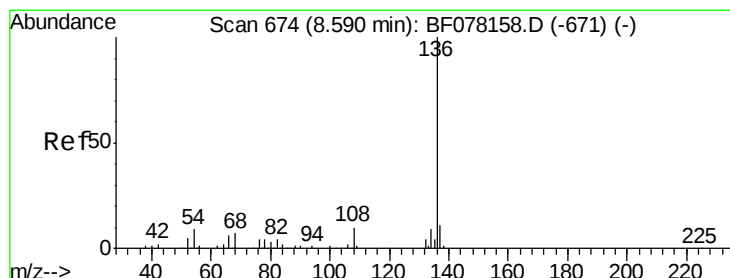
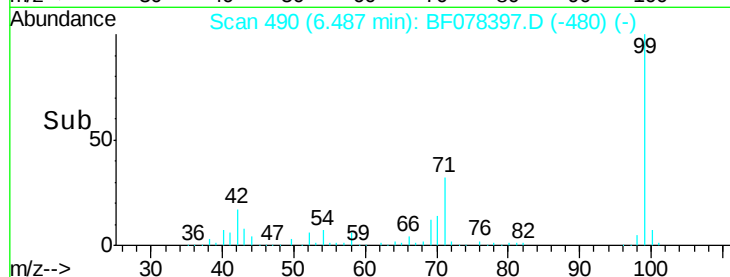
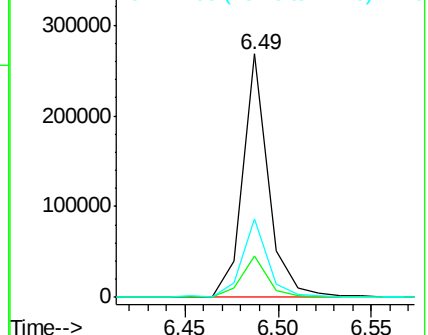
99 100

42 17.1 14.8 22.2

71 32.1 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.46 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Tgt Ion: 136 Resp: 198139

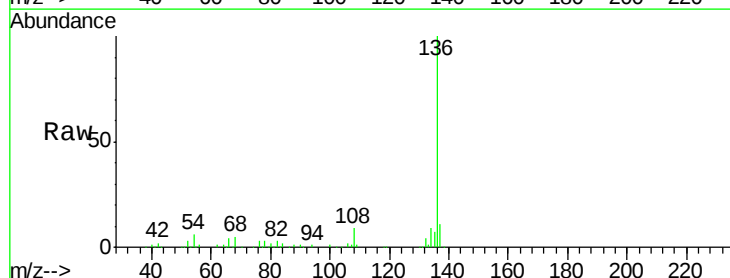
Ion Ratio Lower Upper

136 100

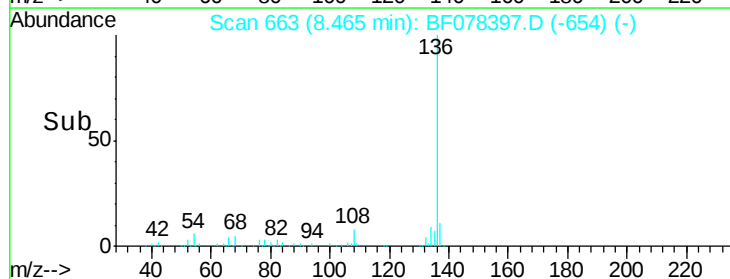
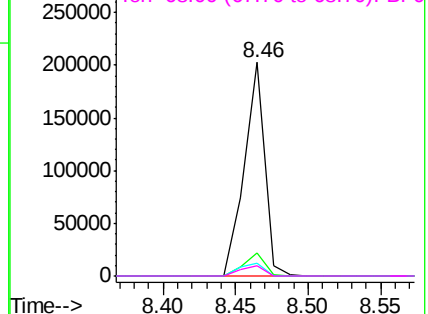
137 11.1 9.0 13.4

54 6.1 7.0 10.6#

68 4.8 5.4 8.2#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

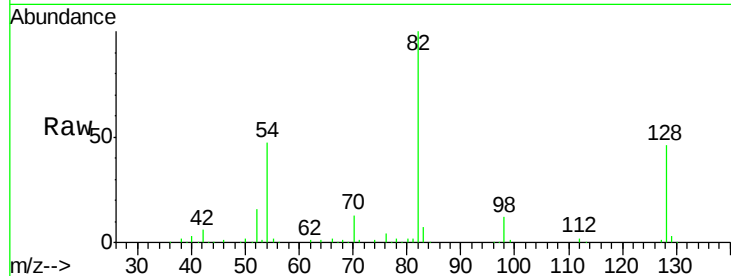




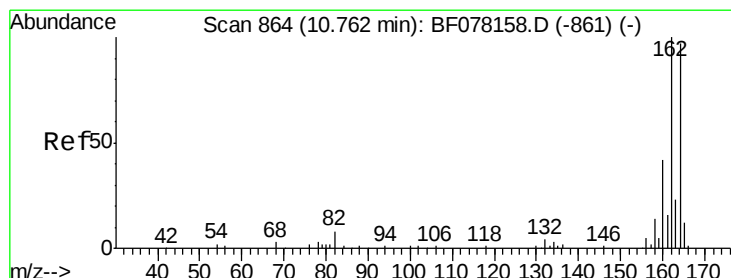
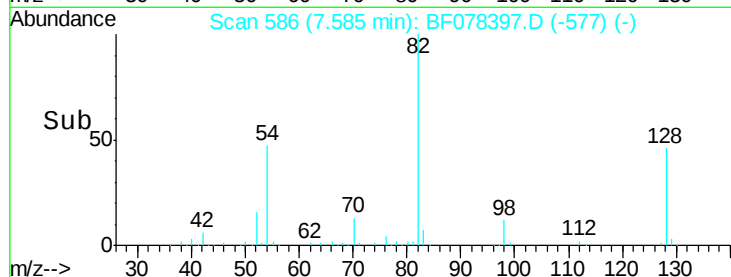
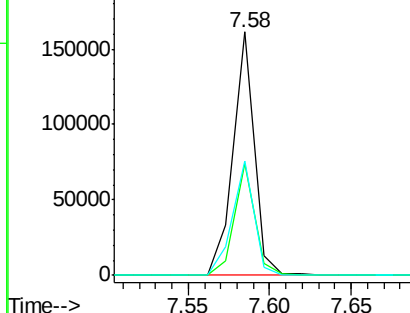
#23
Nitrobenzene-d5
Concen: 44.19 ng
RT: 7.58 min Scan# 586
Delta R.T. 0.00 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 144446
Ion Ratio Lower Upper
82 100
128 45.8 31.8 47.8
54 46.9 41.5 62.3

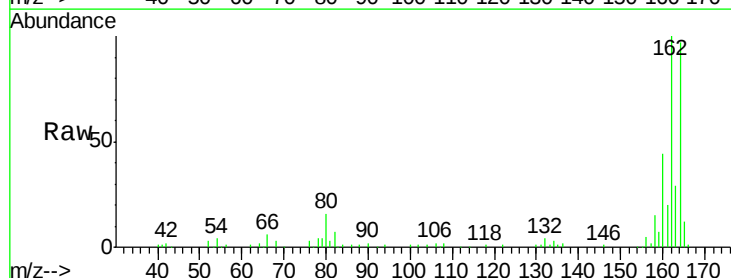


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

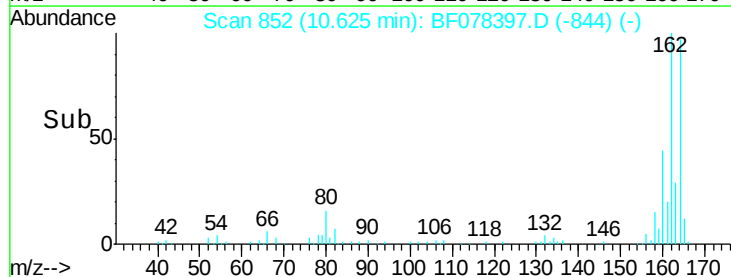
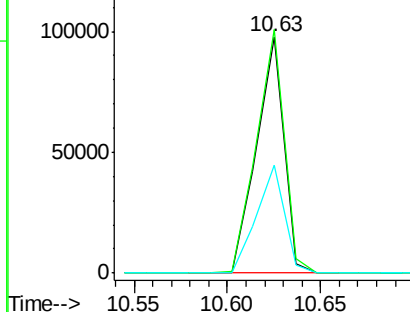


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.63 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion:164 Resp: 98778
Ion Ratio Lower Upper
164 100
162 103.1 82.2 123.2
160 45.8 34.7 52.1



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: 65.65 ng

RT: 11.60 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Instrument :

BNA_F

ClientSampleId :

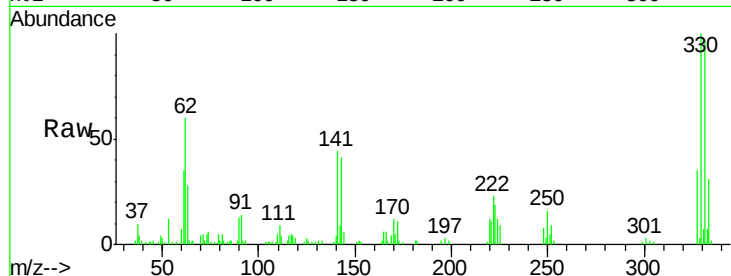
Tot Ion:330 Resp: 53783

Ion Ratio Lower Upper

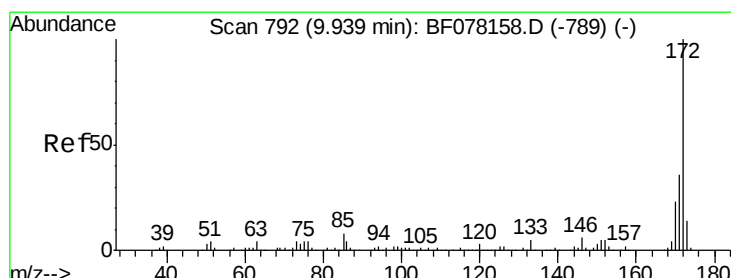
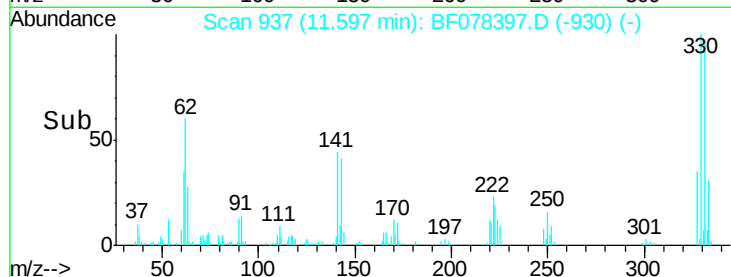
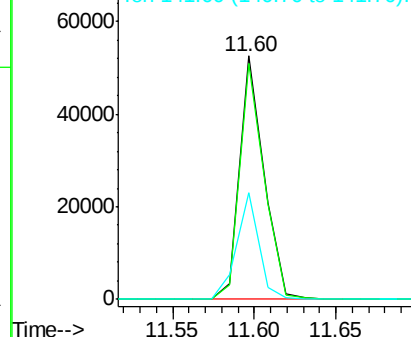
330 100

332 96.9 78.6 117.8

141 39.9 31.2 46.8



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: 37.93 ng

RT: 9.81 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

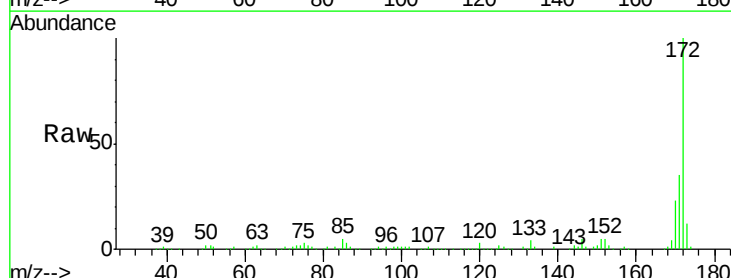
Tgt Ion:172 Resp: 262108

Ion Ratio Lower Upper

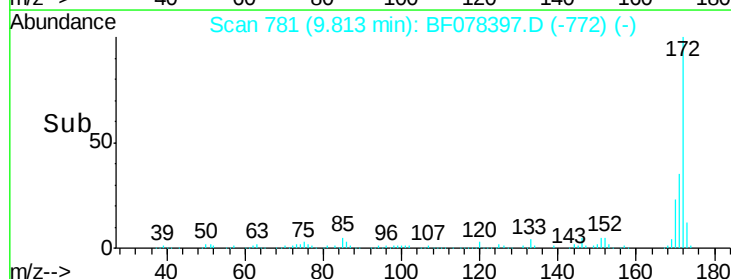
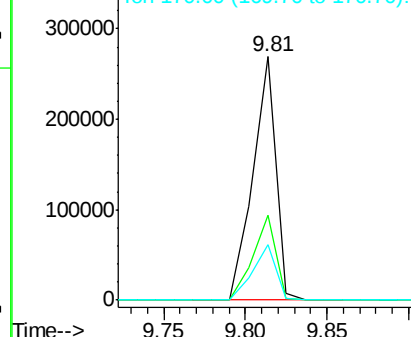
172 100

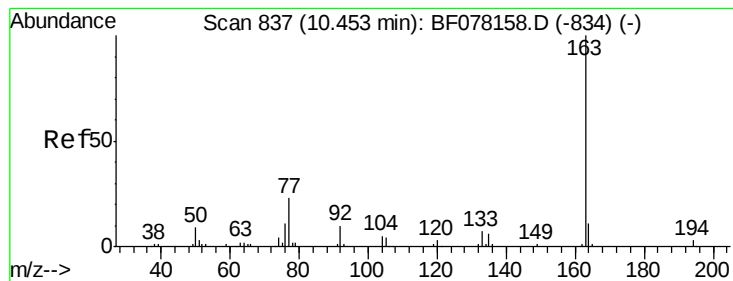
171 35.0 28.6 42.8

170 22.9 18.5 27.7



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: 2.30 ng

RT: 10.33 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Instrument :

BNA_F

ClientSampleId :

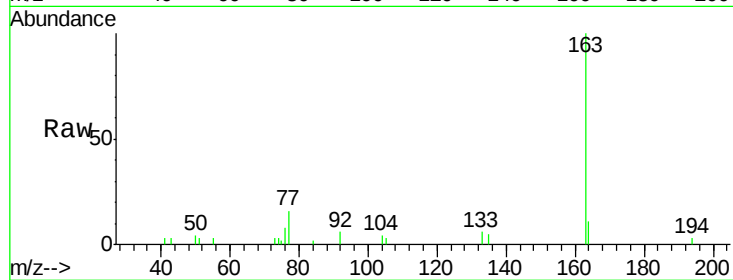
Tot Ion:163 Resp: 17037

Ion Ratio Lower Upper

163 100

194 3.4 2.3 3.5

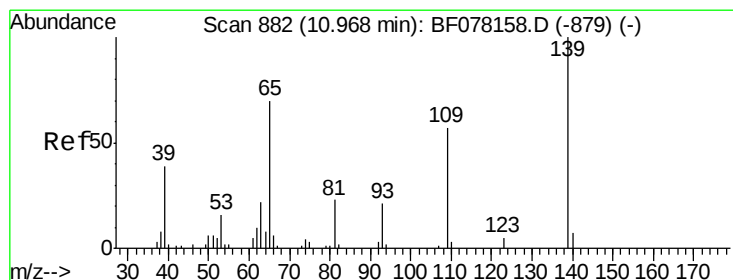
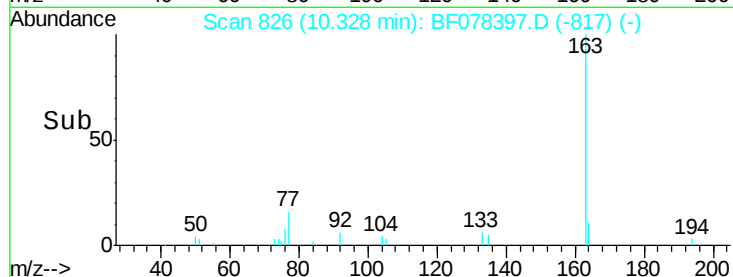
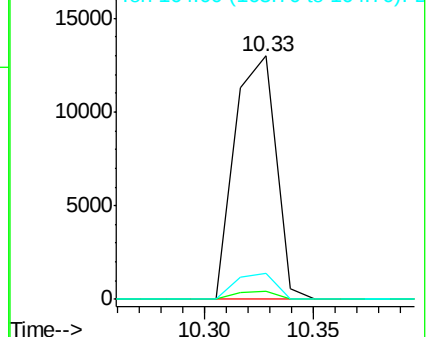
164 10.7 8.6 13.0



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



#55

4-Nitrophenol

Concen: 3.27 ng

RT: 10.88 min Scan# 874

Delta R.T. 0.04 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

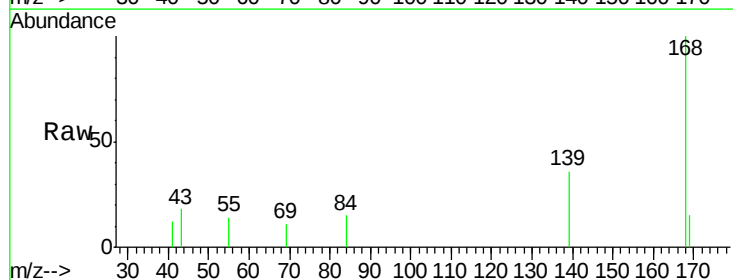
Tgt Ion:139 Resp: 669

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

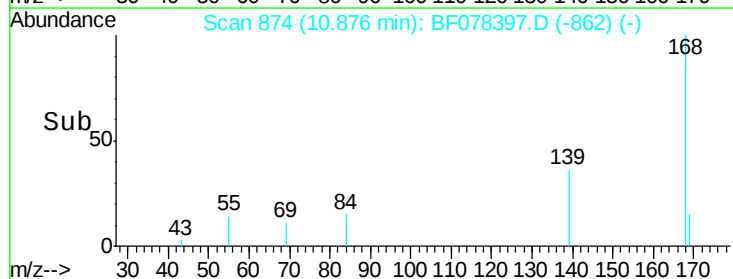
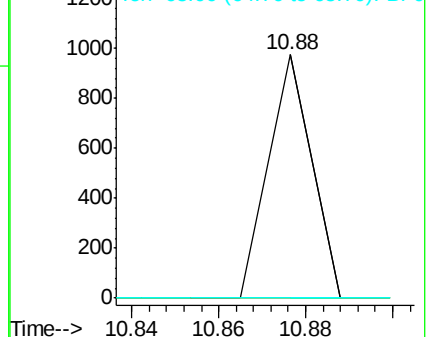
65 0.0 49.9 89.9#

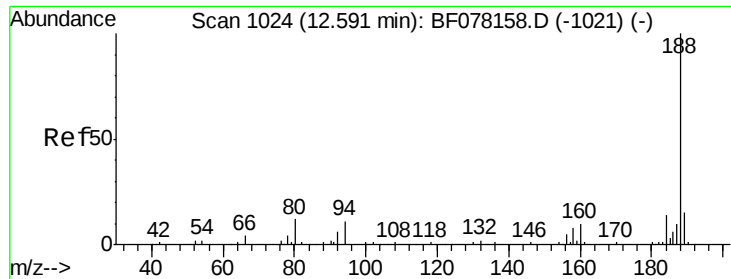


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

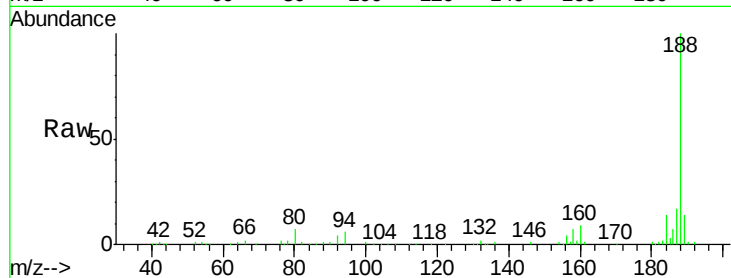




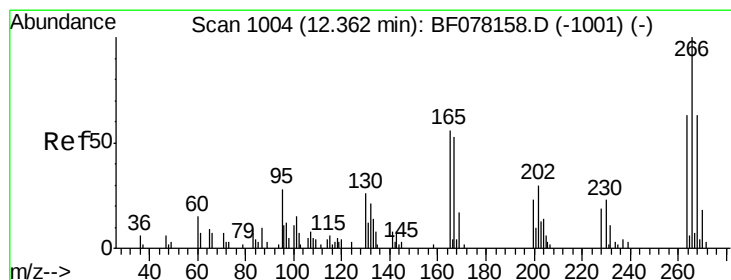
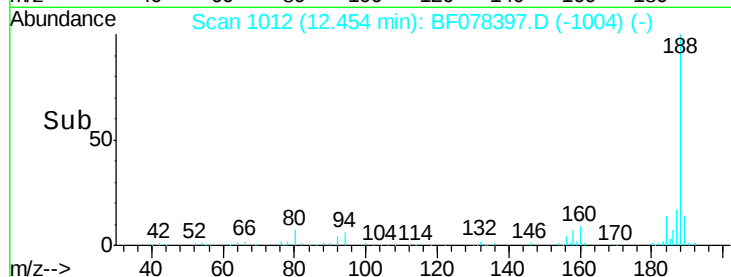
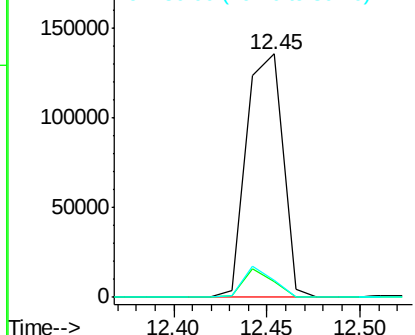
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.45 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 184140
Ion Ratio Lower Upper
188 100
94 6.4 9.0 13.4#
80 6.9 9.5 14.3#

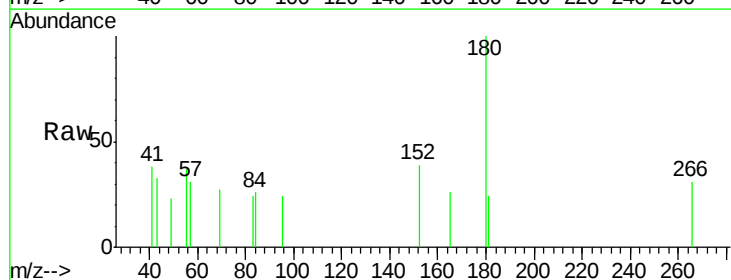


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

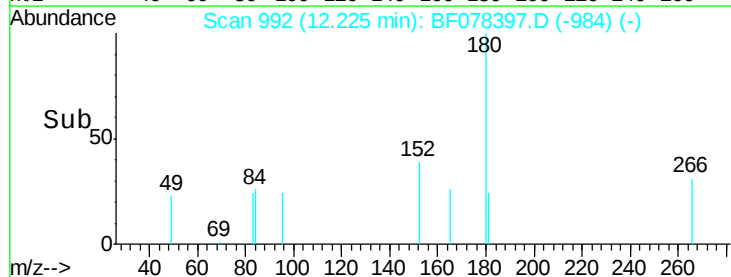
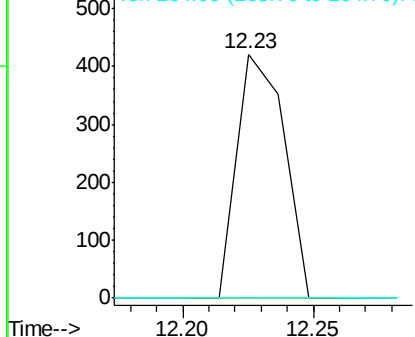


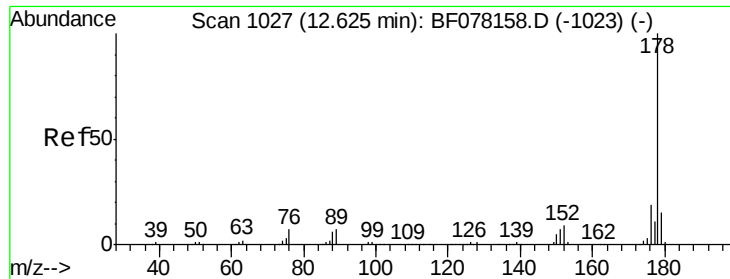
#69
Pentachlorophenol
Concen: 8.26 ng
RT: 12.23 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion:266 Resp: 530
Ion Ratio Lower Upper
266 100
268 0.0 50.1 75.1#
264 0.0 50.0 75.0#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

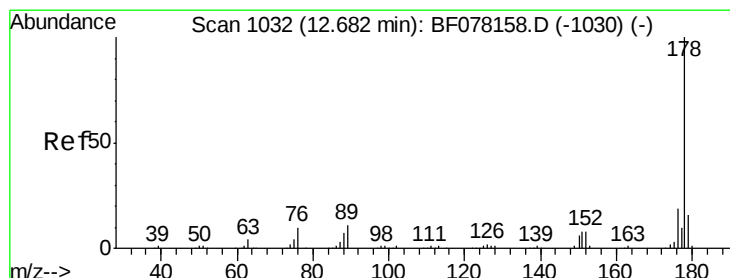
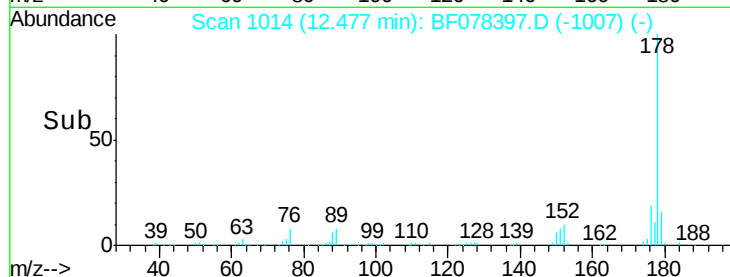
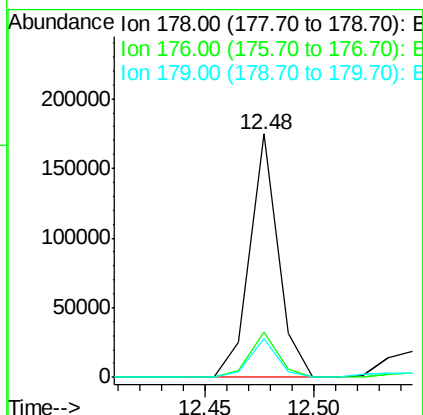
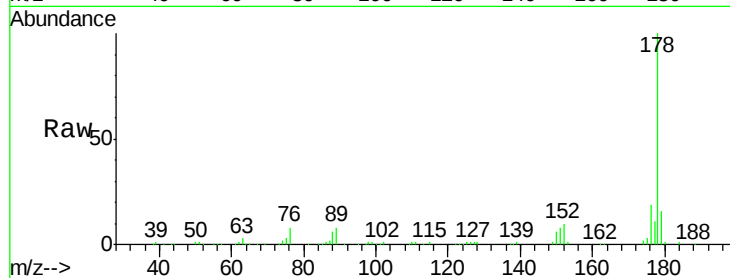




#70
Phenanthrene
Concen: 14.99 ng
RT: 12.48 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

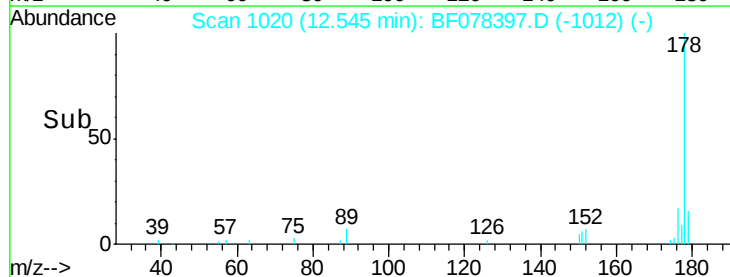
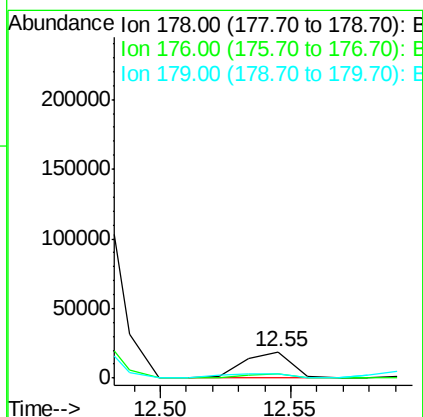
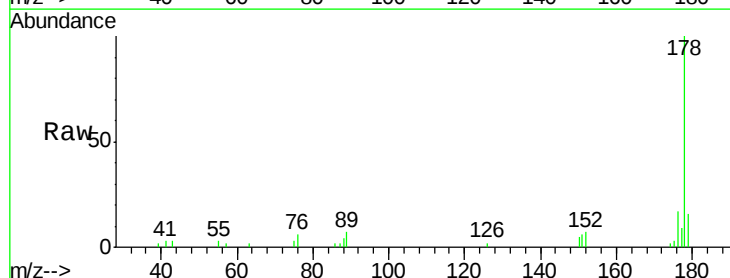
Instrument :
BNA_F
ClientSampleId :

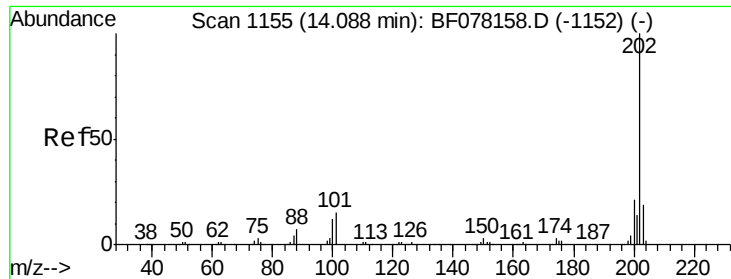
Tot Ion:178 Resp: 159621
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.9 12.2 18.2



#71
Anthracene
Concen: 2.31 ng
RT: 12.55 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion:178 Resp: 24279
Ion Ratio Lower Upper
178 100
176 17.4 14.8 22.2
179 16.0 12.4 18.6





#74

Fluoranthene

Concen: 31.97 ng

RT: 13.94 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF078397.D

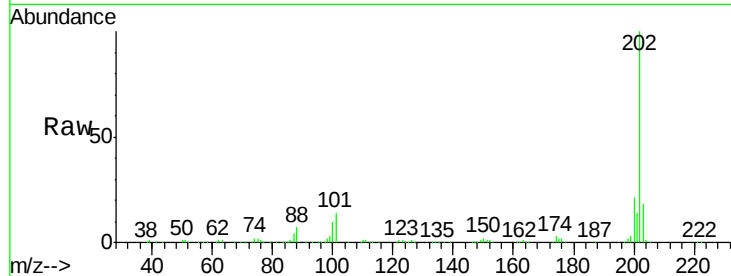
Acq: 10 Apr 2015 11:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	359096
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	35.2
203	18.0	0.0	38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

13.94

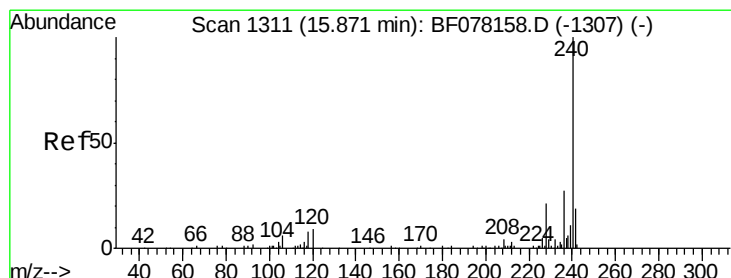
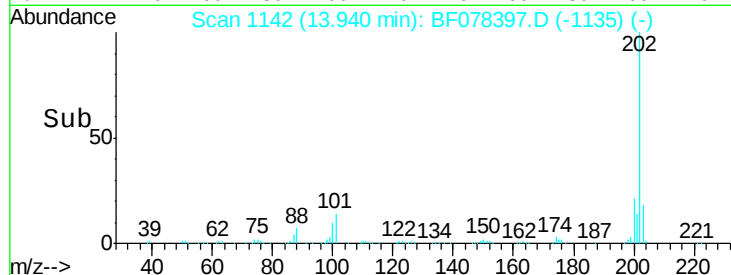
300000

200000

100000

0

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

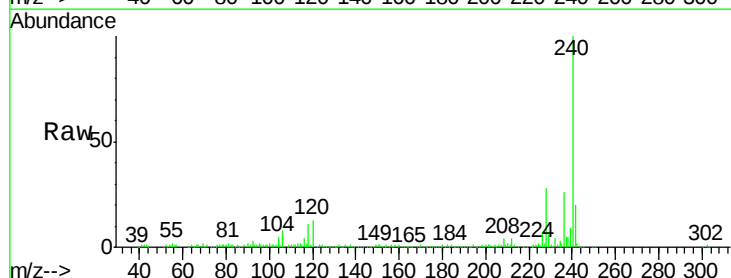
RT: 15.71 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Tgt Ion:	240	Resp:	188478
Ion	Ratio	Lower	Upper
240	100		
120	13.0	7.1	10.7#
236	26.0	21.4	32.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

15.71

250000

200000

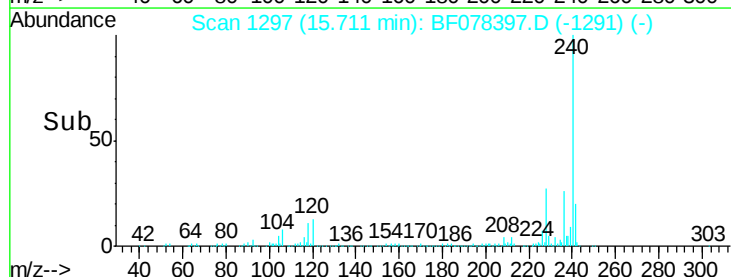
150000

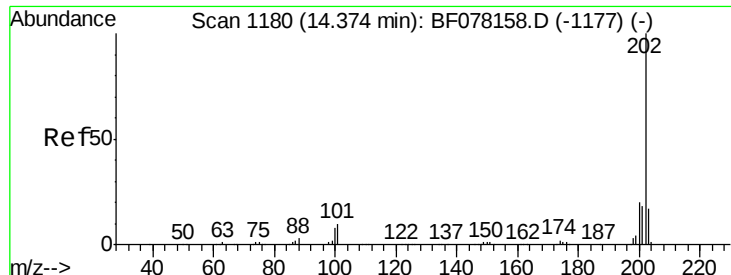
100000

50000

0

Time-->





#77

Pvrene

Concen: 24.03 ng

RT: 14.21 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Instrument :

BNA_F

ClientSampleId :

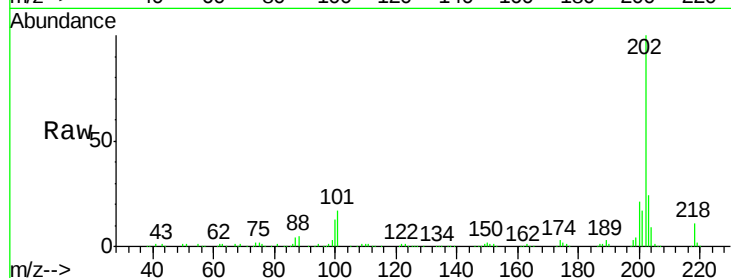
Tot Ion:202 Resp: 284302

Ion Ratio Lower Upper

202 100

200 21.3 16.3 24.5

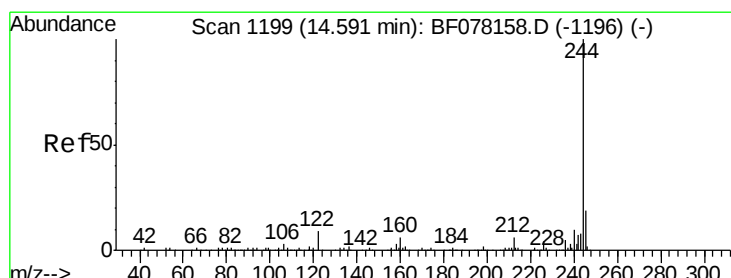
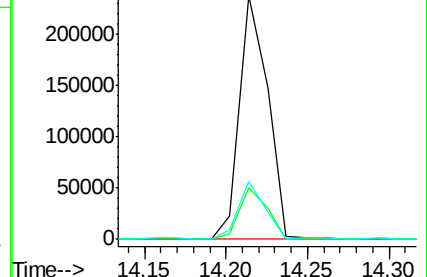
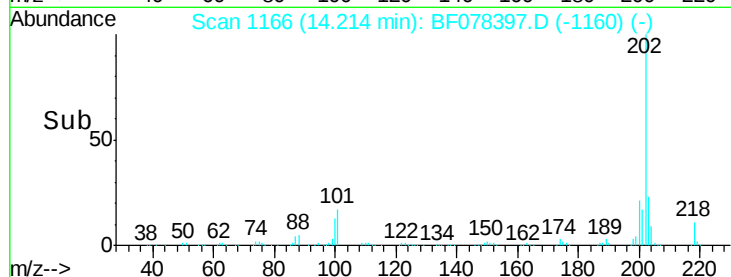
203 23.8 13.8 20.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 29.81 ng

RT: 14.44 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

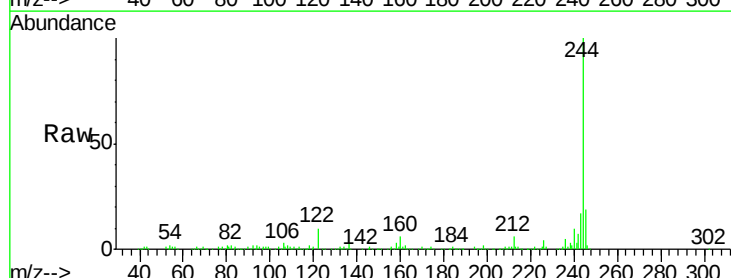
Tgt Ion:244 Resp: 248676

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

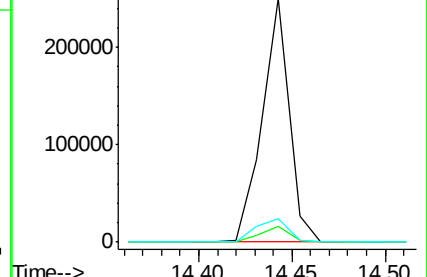
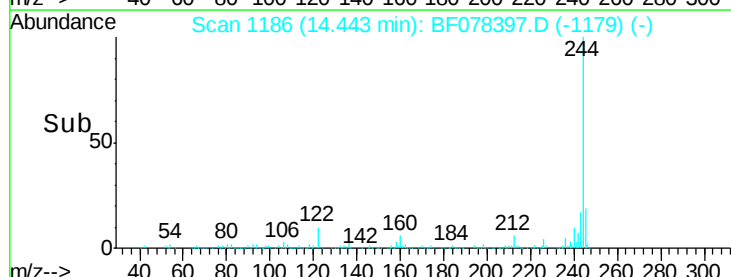
122 9.7 7.1 10.7

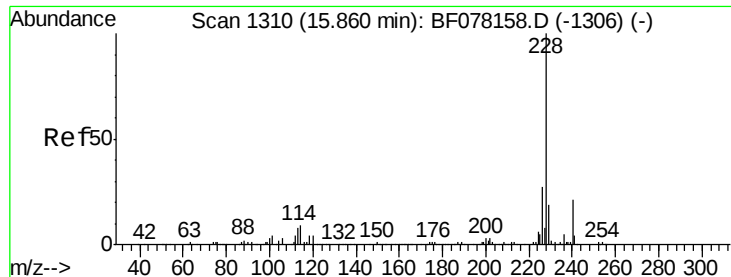


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.67 ng

RT: 15.70 min Scan# 1296

Delta R.T. -0.03 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

Instrument :

BNA_F

ClientSampleId :

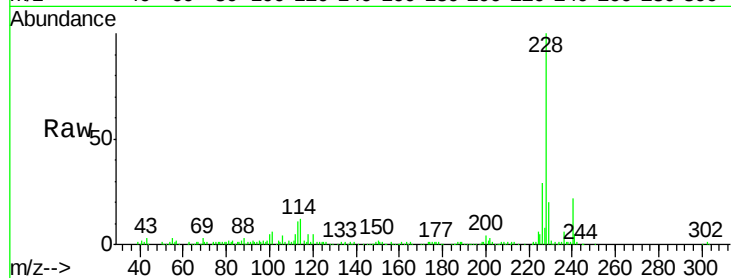
Tot Ion:228 Resp: 153275

Ion Ratio Lower Upper

228 100

226 29.0 21.3 31.9

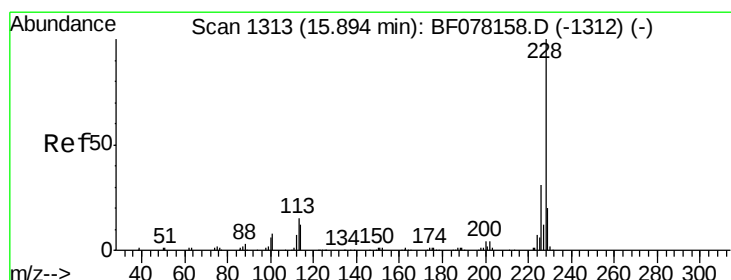
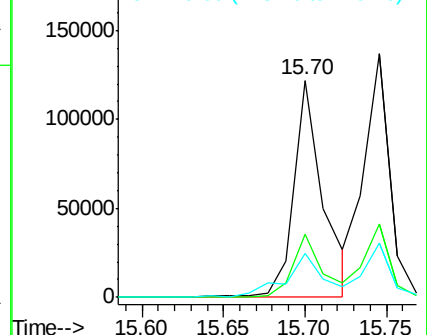
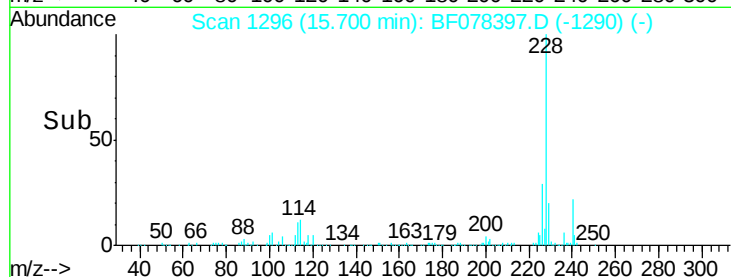
229 20.2 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 14.15 ng

RT: 15.75 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF078397.D

Acq: 10 Apr 2015 11:37

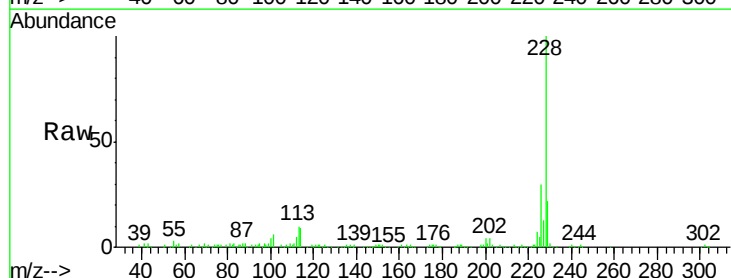
Tgt Ion:228 Resp: 149123

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

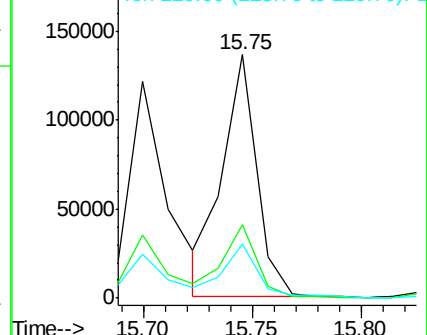
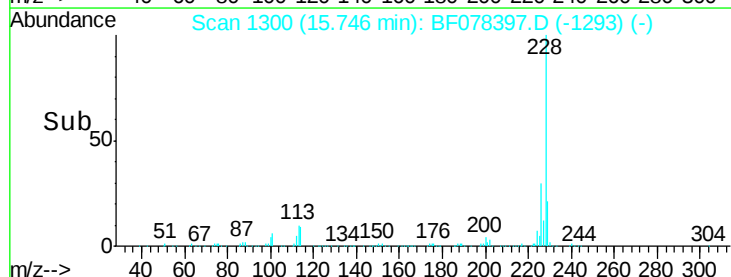
229 22.1 15.8 23.8

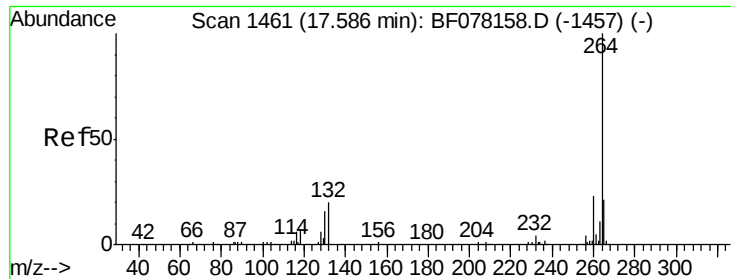


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



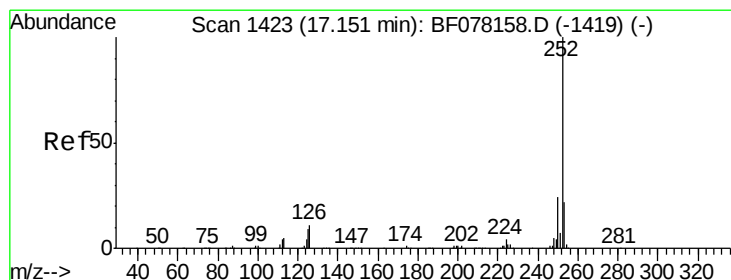
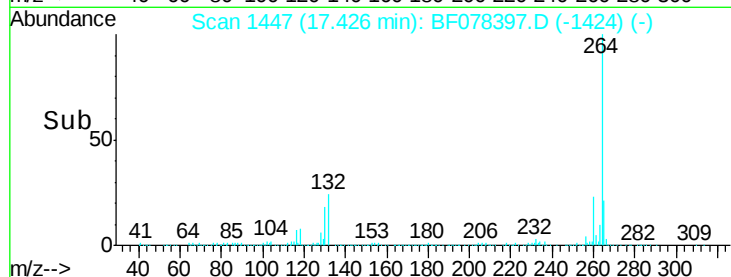
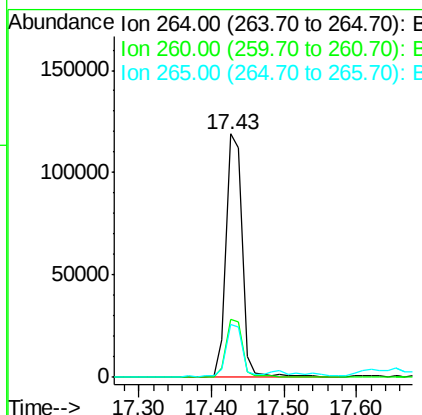
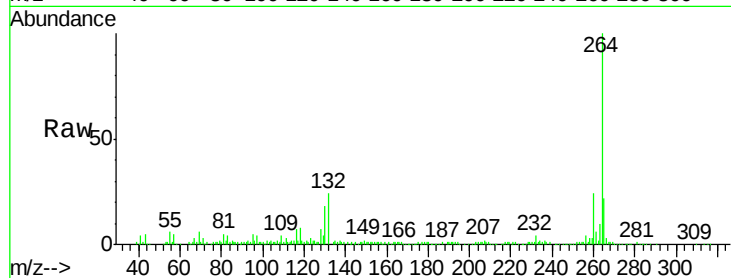


#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.43 min Scan# 1447
Delta R.T. -0.03 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 185192

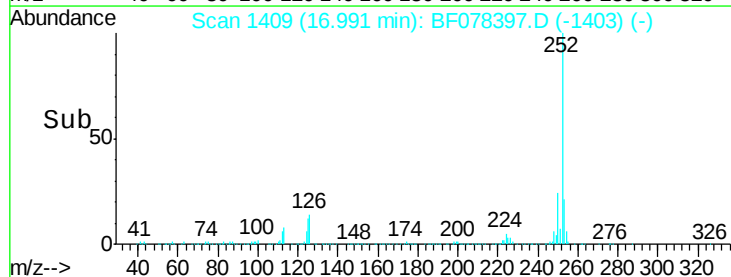
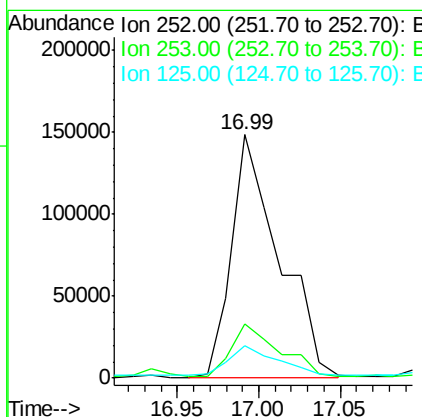
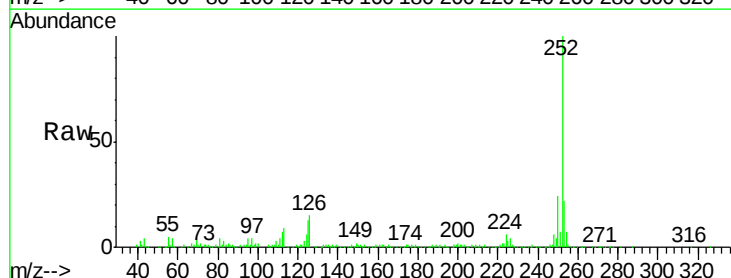
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.5	17.0	25.6

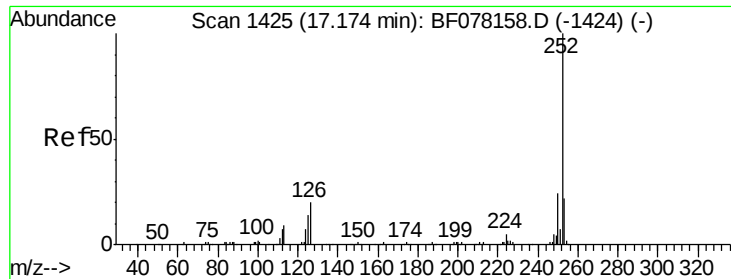


#87
Benzo(b)fluoranthene
Concen: 26.32 ng
RT: 16.99 min Scan# 1409
Delta R.T. -0.03 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion:252 Resp: 301236

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	13.4	7.0	10.4#

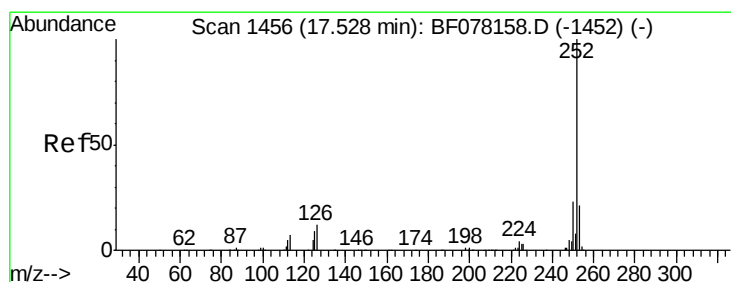
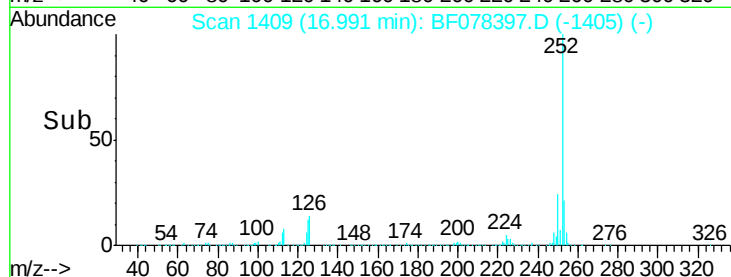
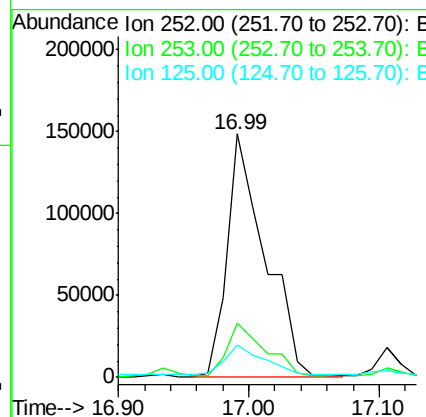
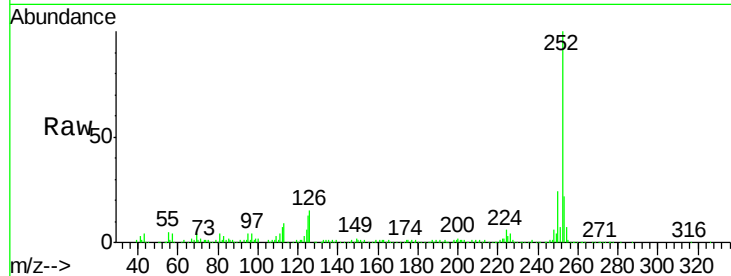




#88
Benzo(k)fluoranthene
Concen: 29.75 ng
RT: 16.99 min Scan# 1409
Delta R.T. -0.06 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	13.4	11.6	17.4



#89
Benzo(a)pyrene
Concen: 13.41 ng
RT: 17.37 min Scan# 1442
Delta R.T. -0.03 min
Lab File: BF078397.D
Acq: 10 Apr 2015 11:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.8	25.2
125	11.4	7.4	11.0#

