

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078483.D
 Acq On : 14 Apr 2015 4:11
 Operator : TP/IZ
 Sample : G1831-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-10

Quant Time: Apr 14 04:36:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 04:24:31 2015
 Response via : Initial Calibration

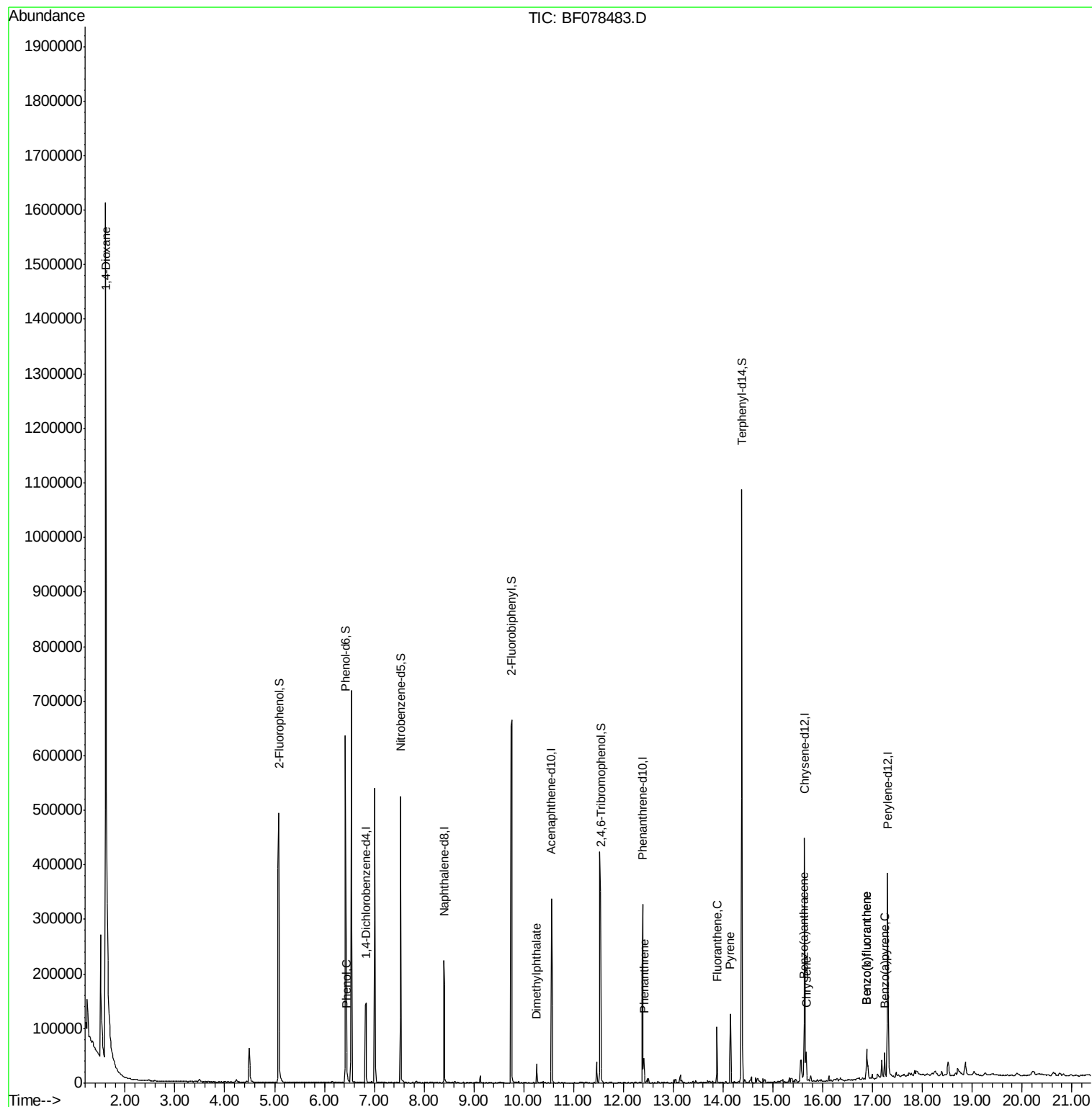
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	35040	20.00	ng	0.00
21) Naphthalene-d8	8.40	136	147376	20.00	ng	-0.01
38) Acenaphthene-d10	10.56	164	75702	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	154373	20.00	ng	0.00
75) Chrysene-d12	15.63	240	170995	20.00	ng	-0.01
86) Perylene-d12	17.30	264	167406	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	213508	100.46	ng	0.01
7) Phenol-d6	6.42	99	271100	101.79	ng	-0.01
23) Nitrobenzene-d5	7.53	82	169924	69.89	ng	0.00
41) 2,4,6-Tribromophenol	11.54	330	71321	113.60	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	333113	62.90	ng	0.00
78) Terphenyl-d14	14.38	244	421236	55.67	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.61	88	67376	70.11	ng	Qvalue
10) Phenol	6.44	94	7686	2.41	ng	# 23
49) Dimethylphthalate	10.26	163	19288	3.39	ng	# 99
70) Phenanthrene	12.41	178	19220	2.15	ng	99
74) Fluoranthene	13.87	202	47201	5.01	ng	93
77) Pyrene	14.15	202	54020	5.03	ng	97
80) Benzo(a)anthracene	15.62	228	28261	2.78	ng	94
82) Chrysene	15.67	228	25169	2.63	ng	98
87) Benzo(b)fluoranthene	16.88	252	45715	4.42	ng	# 94
88) Benzo(k)fluoranthene	16.88	252	45928	5.00	ng	97
89) Benzo(a)pyrene	17.25	252	23914	2.65	ng	97

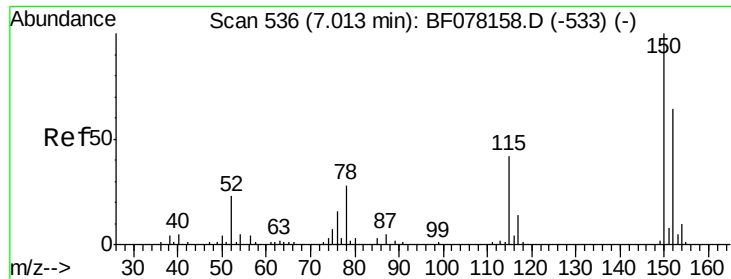
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

Instrument :

BNA_F

ClientSampled :

PE-10

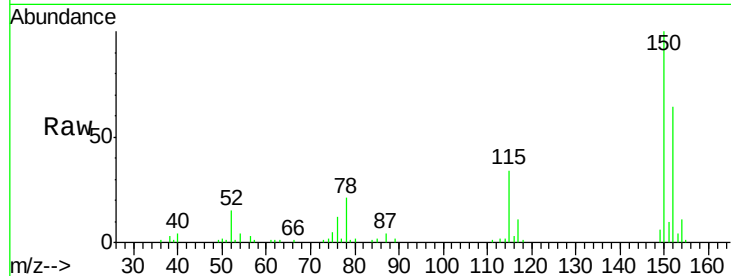
Tgt Ion:152 Resp: 35040

Ion Ratio Lower Upper

152 100

150 155.9 125.9 188.9

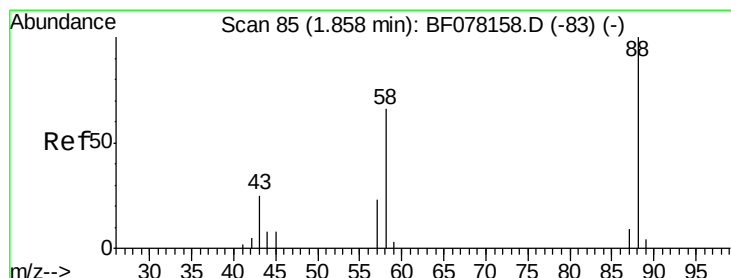
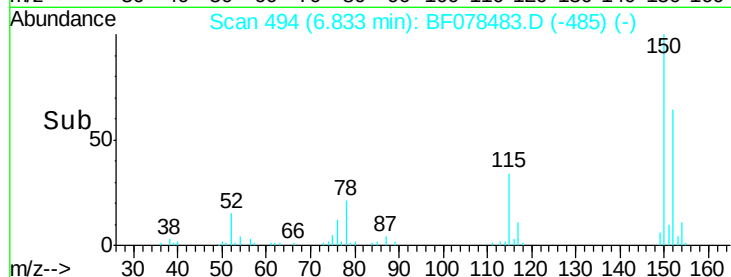
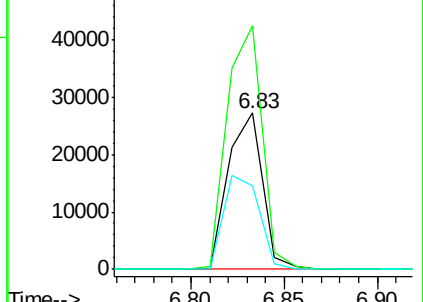
115 53.8 52.7 79.1



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



#2

1,4-Dioxane

Concen: 70.11 ng

RT: 1.61 min Scan# 37

Delta R.T. 0.00 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

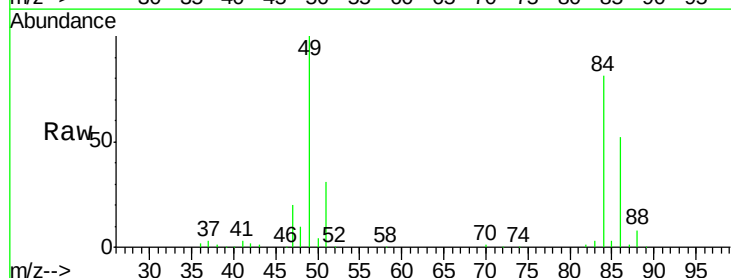
Tgt Ion: 88 Resp: 67376

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

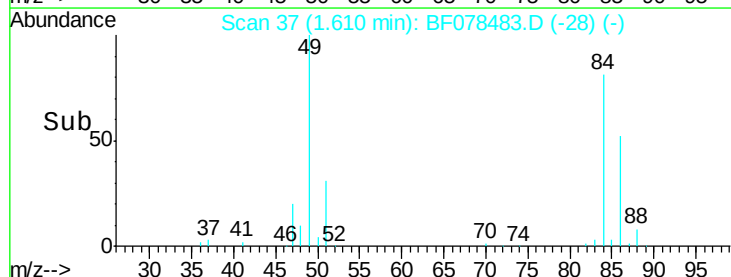
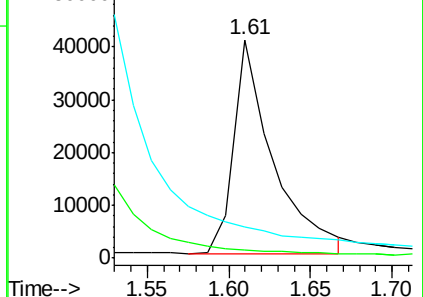
43 0.0 21.4 32.2#

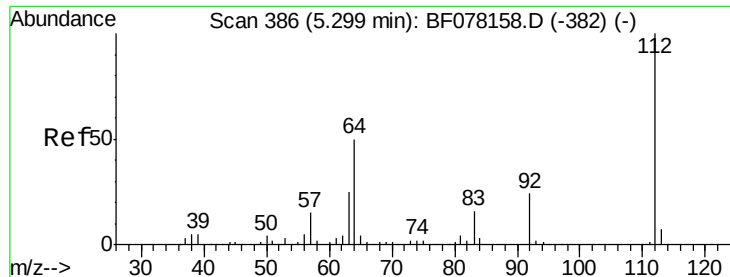


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 100.46 ng

RT: 5.08 min Scan# 341

Delta R.T. 0.01 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

Instrument :

BNA_F

ClientSampled :

PE-10

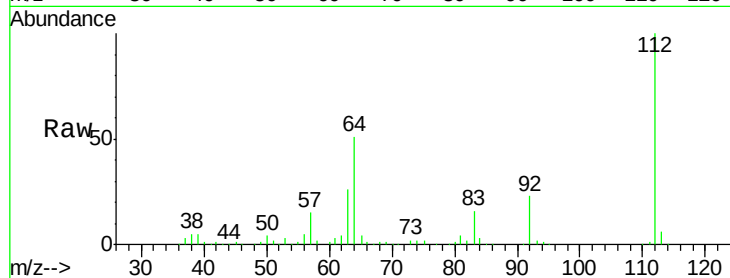
Tgt Ion: 112 Resp: 213508

Ion Ratio Lower Upper

112 100

64 50.8 39.9 59.9

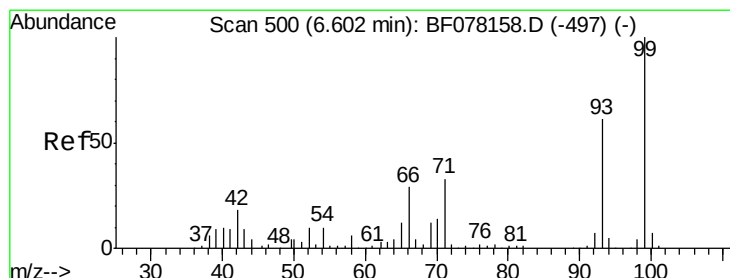
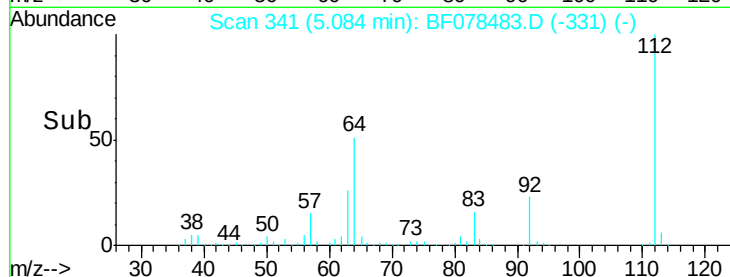
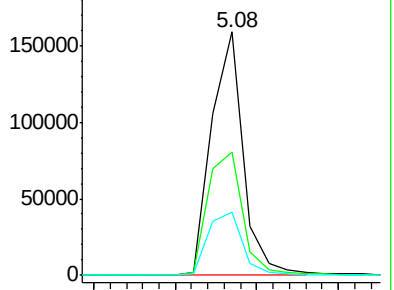
63 26.1 20.2 30.4



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: 101.79 ng

RT: 6.42 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

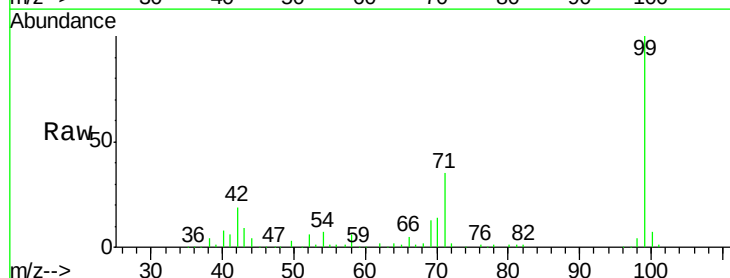
Tgt Ion: 99 Resp: 271100

Ion Ratio Lower Upper

99 100

42 18.9 14.8 22.2

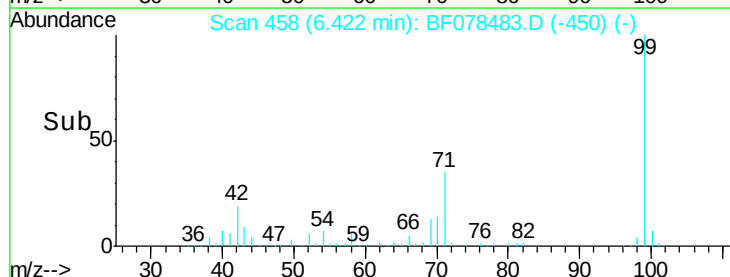
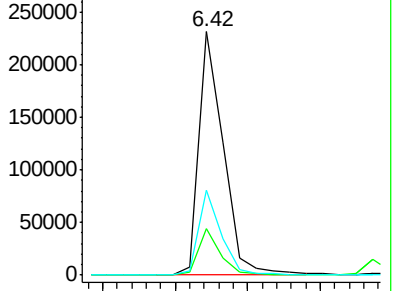
71 34.8 26.6 39.8

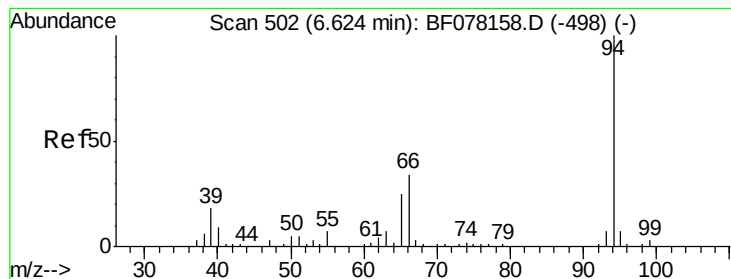


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 2.41 ng

RT: 6.44 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

Instrument :

BNA_F

ClientSampleId :

PE-10

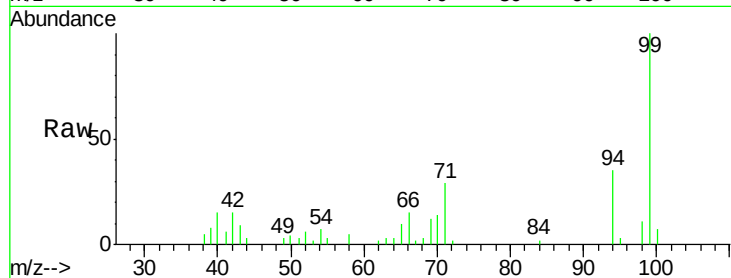
Tgt Ion: 94 Resp: 7686

Ion Ratio Lower Upper

94 100

65 28.4 4.9 44.9

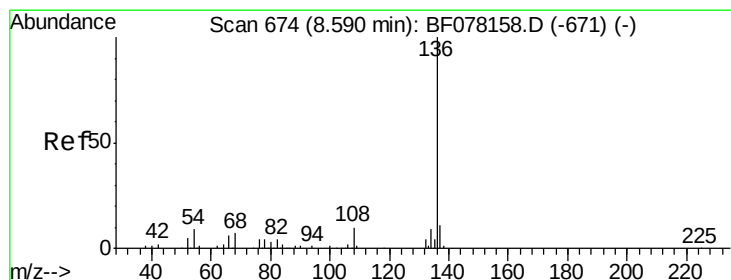
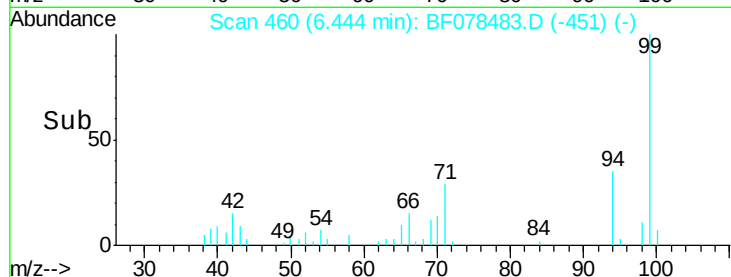
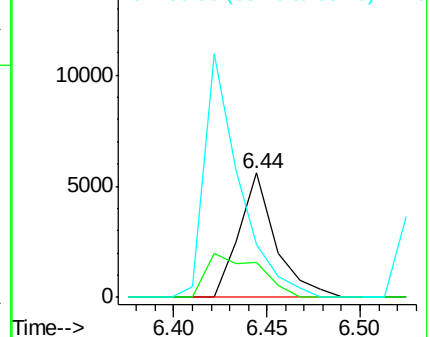
66 42.9 13.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.40 min Scan# 631

Delta R.T. -0.01 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

Tgt Ion: 136 Resp: 147376

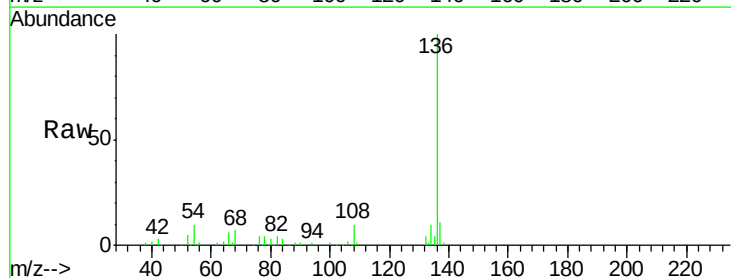
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 9.6 7.0 10.6

68 7.0 5.4 8.2

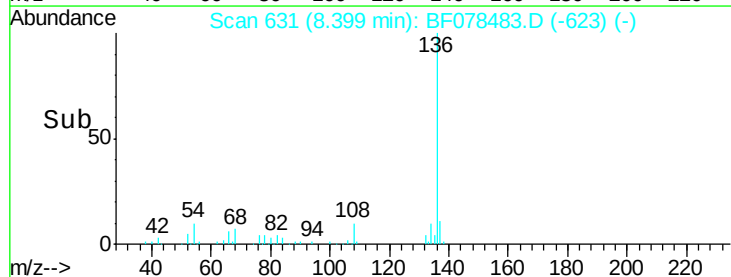
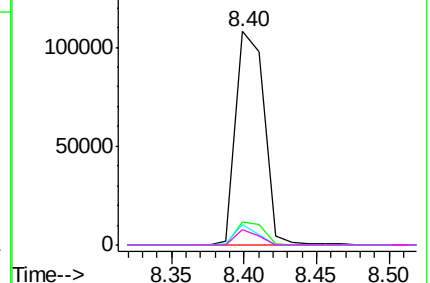


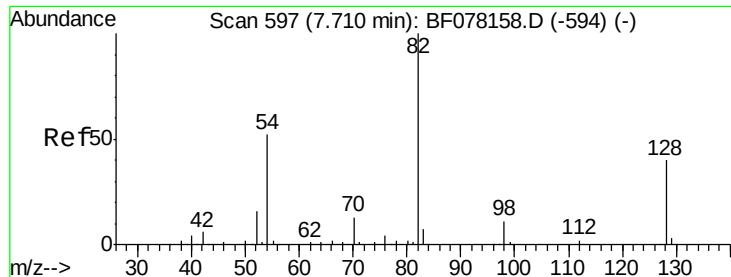
Abundance Ion 136.00 (135.70 to 136.70): E

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

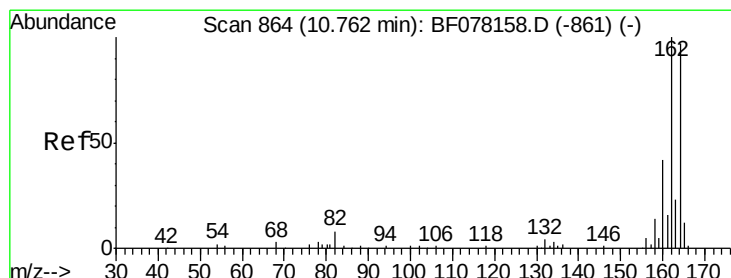
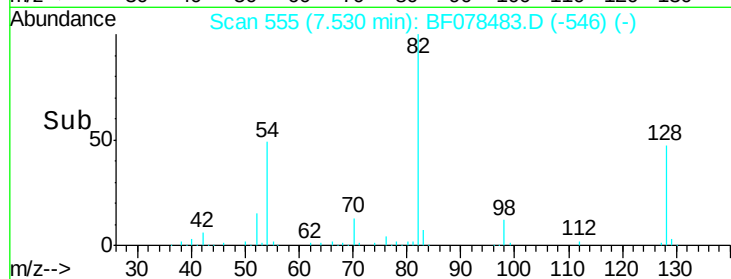
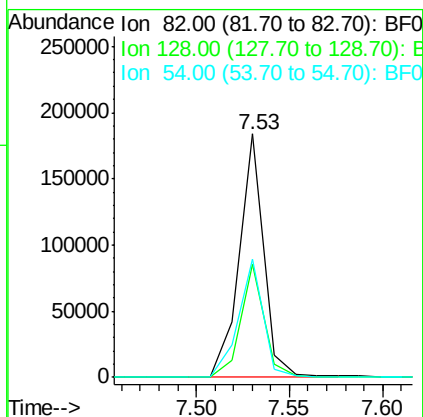
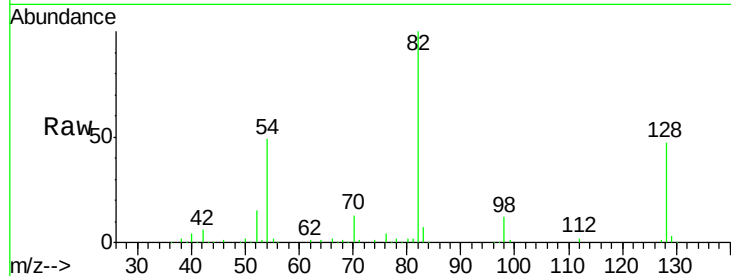




#23
 Nitrobenzene-d5
 Concen: 69.89 ng
 RT: 7.53 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF078483.D
 Acq: 14 Apr 2015 4:11

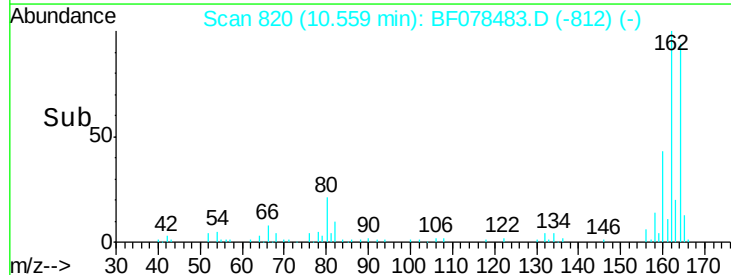
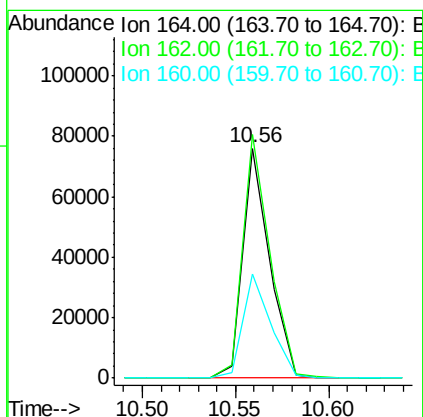
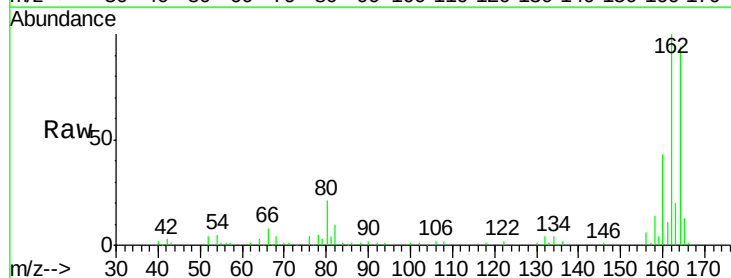
Instrument :
 BNA_F
 ClientSampleId :
 PE-10

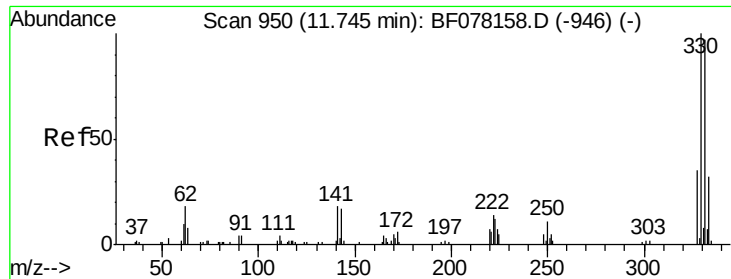
Tgt Ion: 82 Resp: 169924
 Ion Ratio Lower Upper
 82 100
 128 46.5 31.8 47.8
 54 48.5 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.56 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF078483.D
 Acq: 14 Apr 2015 4:11

Tgt Ion: 164 Resp: 75702
 Ion Ratio Lower Upper
 164 100
 162 105.8 82.2 123.2
 160 45.0 34.7 52.1

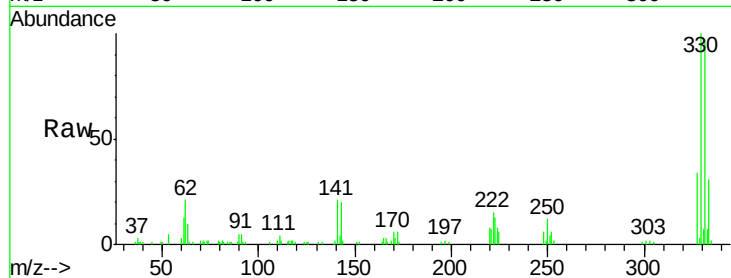




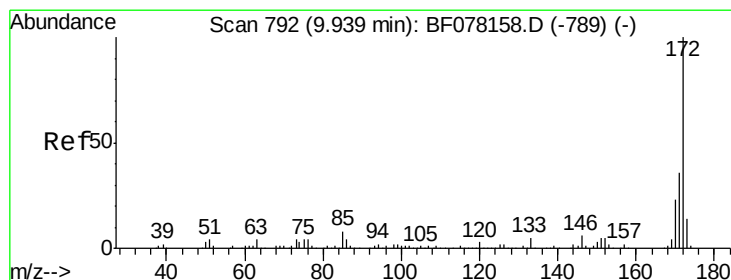
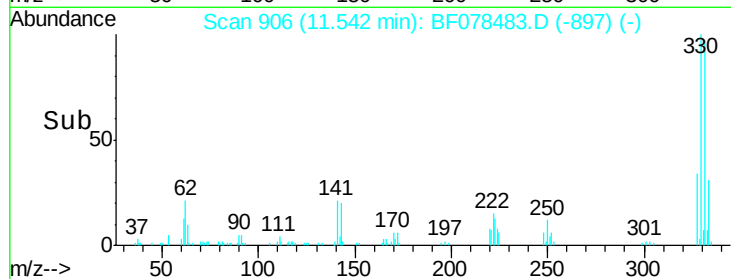
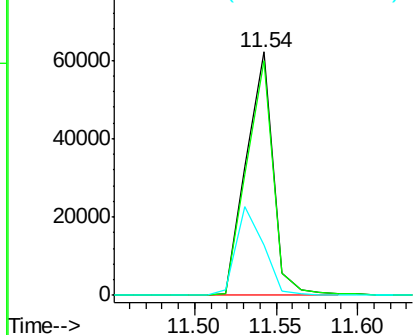
#41
 2,4,6-Tribromophenol
 Concen: 113.60 ng
 RT: 11.54 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF078483.D
 Acq: 14 Apr 2015 4:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-10

Tgt Ion:330 Resp: 71321
 Ion Ratio Lower Upper
 330 100
 332 95.8 78.6 117.8
 141 37.0 31.2 46.8

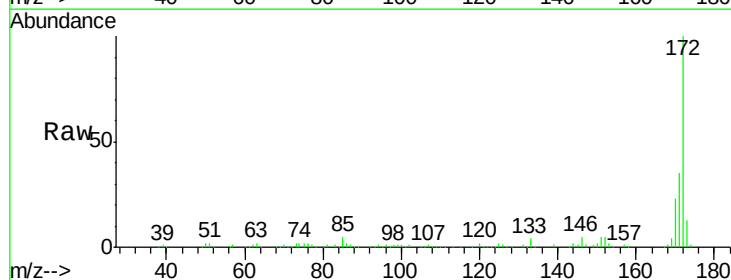


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

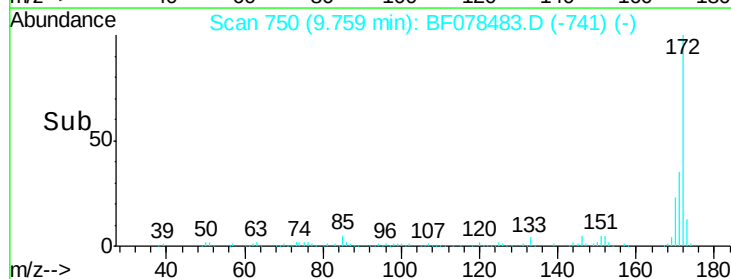
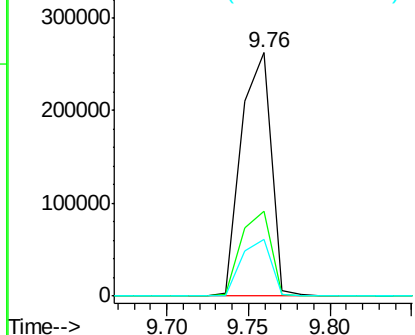


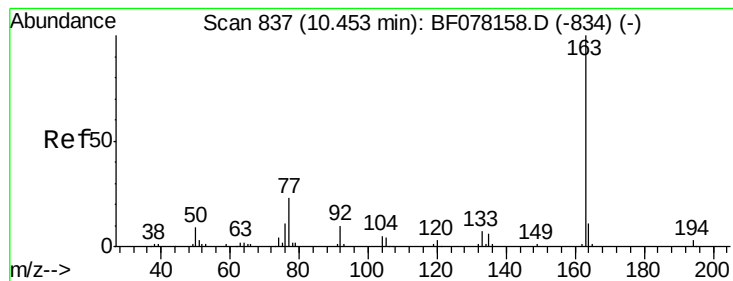
#44
 2-Fluorobiphenyl
 Concen: 62.90 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF078483.D
 Acq: 14 Apr 2015 4:11

Tgt Ion:172 Resp: 333113
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 42.8
 170 23.1 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: 3.39 ng

RT: 10.26 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

Instrument :

BNA_F

ClientSampleId :

PE-10

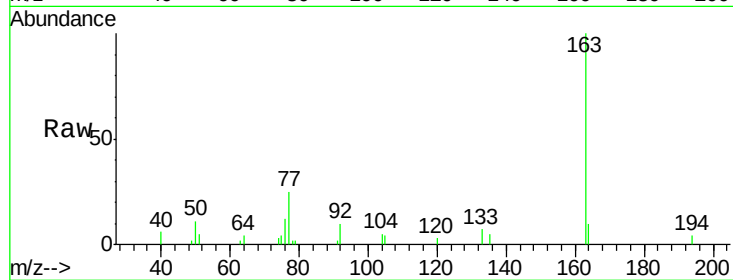
Tgt Ion:163 Resp: 19288

Ion Ratio Lower Upper

163 100

194 3.7 2.3 3.5#

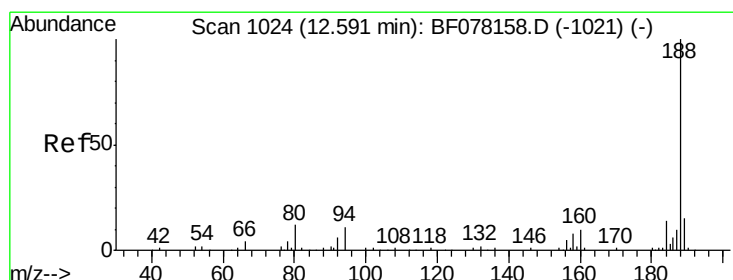
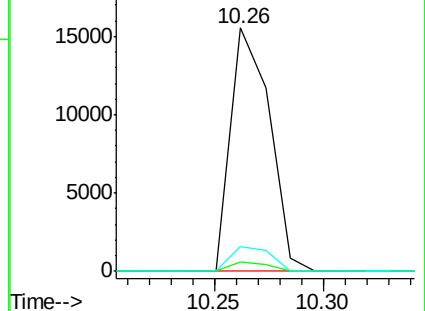
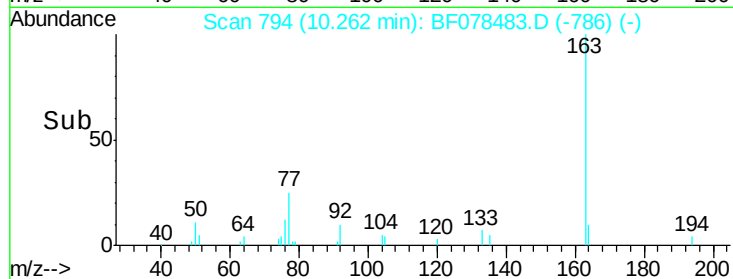
164 10.4 8.6 13.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.39 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

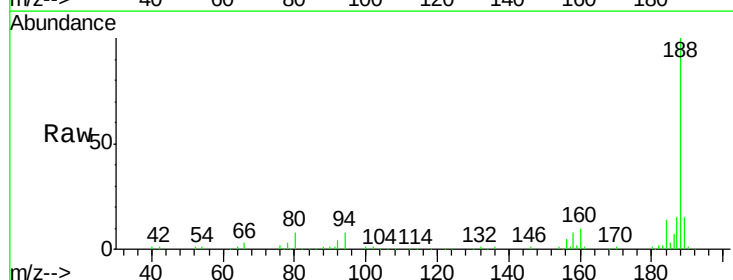
Tgt Ion:188 Resp: 154373

Ion Ratio Lower Upper

188 100

94 7.9 9.0 13.4#

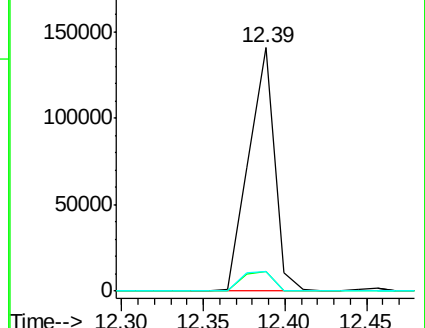
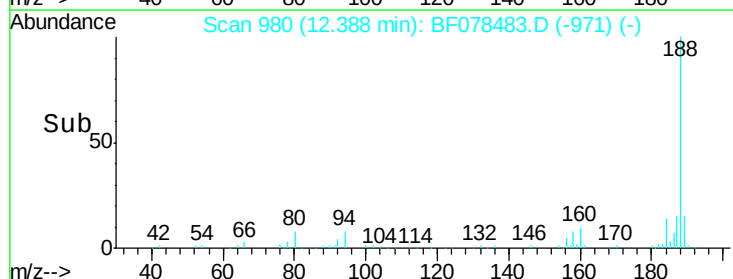
80 8.3 9.5 14.3#

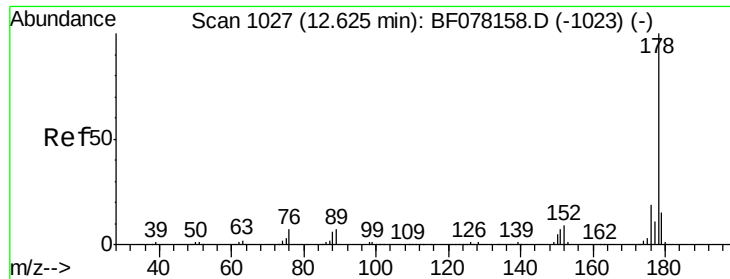


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

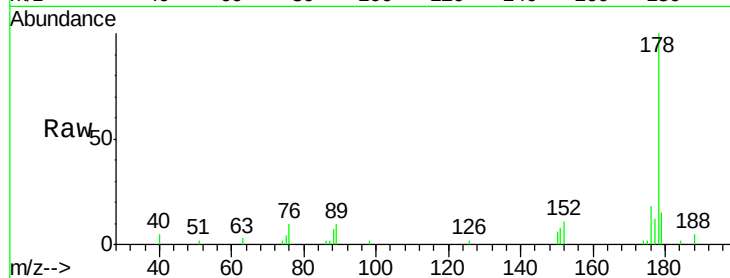




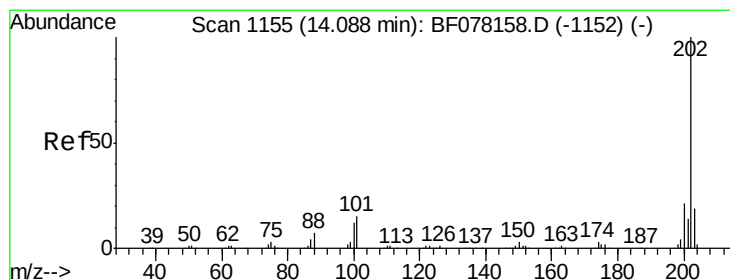
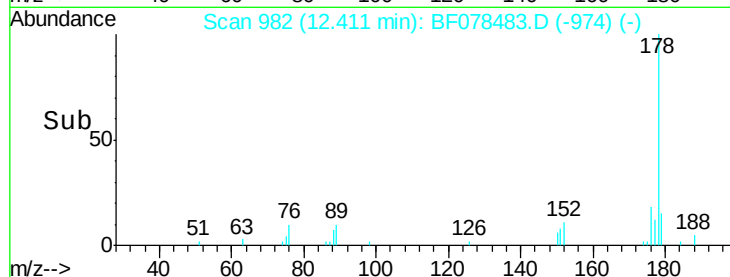
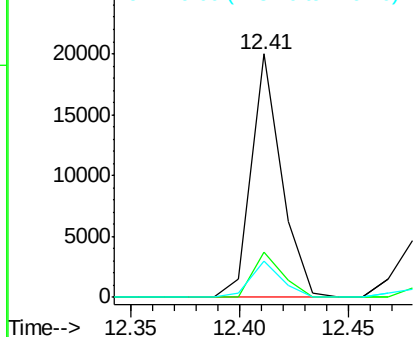
#70
Phenanthrene
Concen: 2.15 ng
RT: 12.41 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF078483.D
Acq: 14 Apr 2015 4:11

Instrument :
BNA_F
ClientSampleId :
PE-10

Tgt Ion:178 Resp: 19220
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 14.9 12.2 18.2

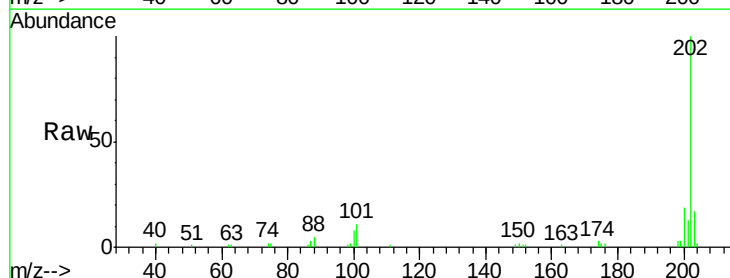


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

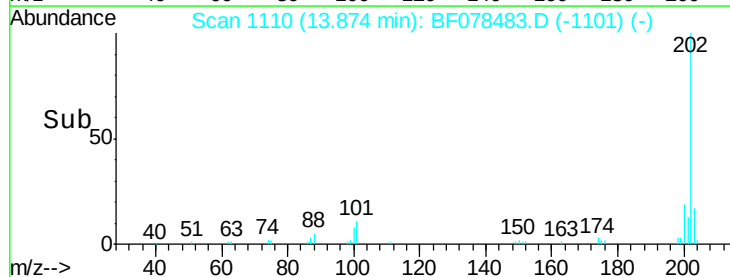
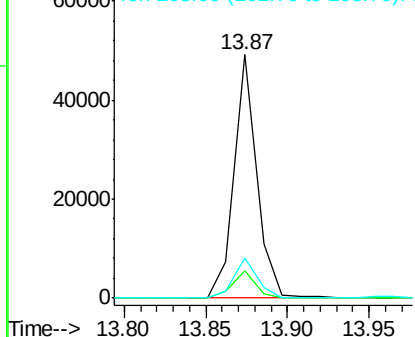


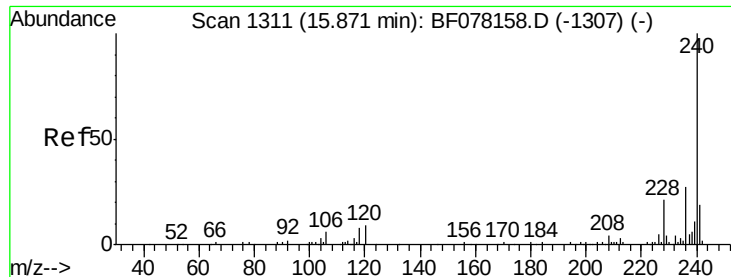
#74
Fluoranthene
Concen: 5.01 ng
RT: 13.87 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BF078483.D
Acq: 14 Apr 2015 4:11

Tgt Ion:202 Resp: 47201
Ion Ratio Lower Upper
202 100
101 11.0 0.0 35.2
203 16.6 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.63 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

Instrument :

BNA_F

ClientSampleId :

PE-10

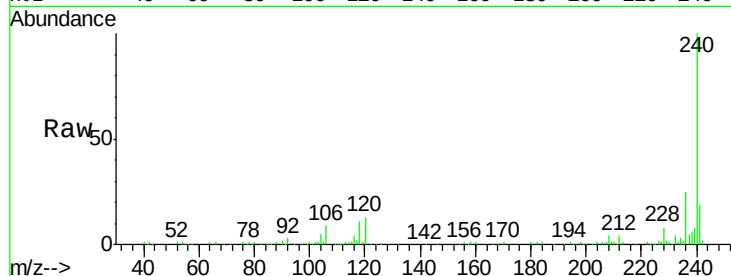
Tgt Ion:240 Resp: 170995

Ion Ratio Lower Upper

240 100

120 12.9 7.1 10.7#

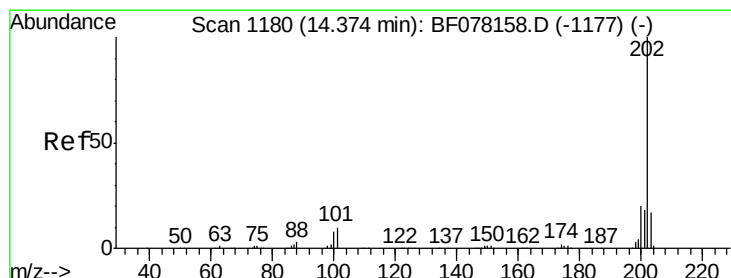
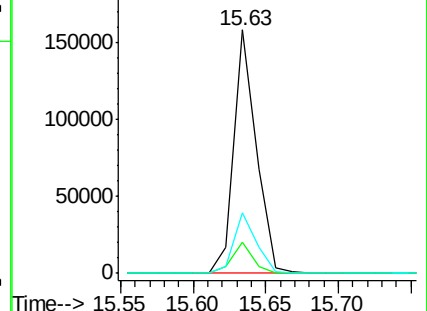
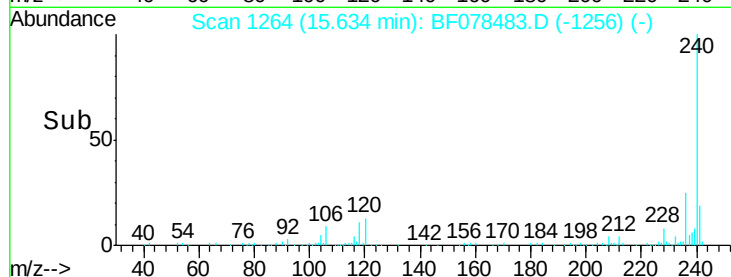
236 24.9 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.03 ng

RT: 14.15 min Scan# 1134

Delta R.T. 0.00 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

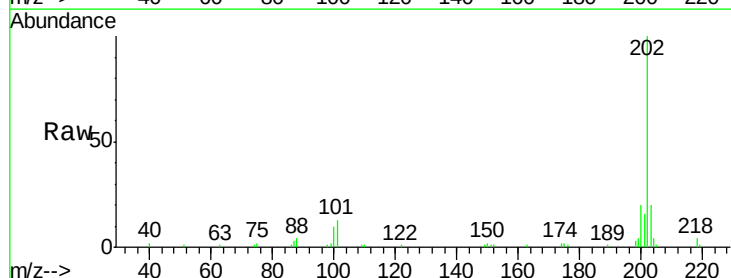
Tgt Ion:202 Resp: 54020

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

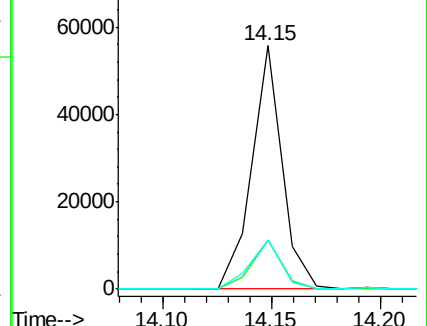
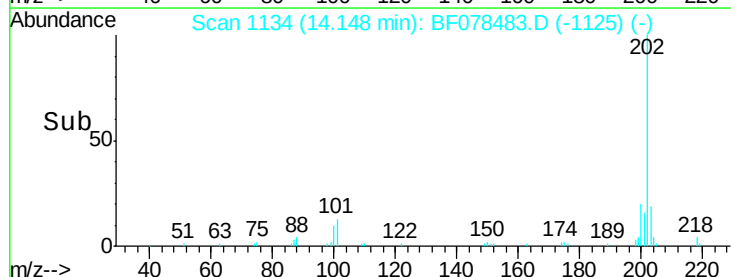
203 20.0 13.8 20.6

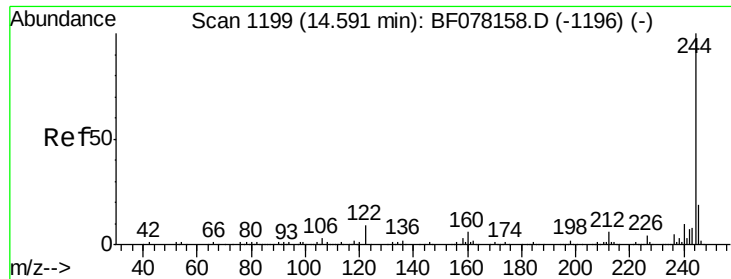


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

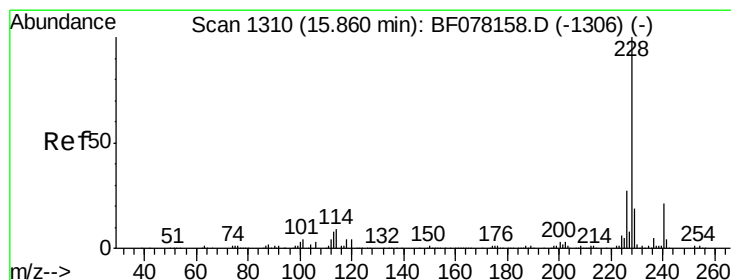
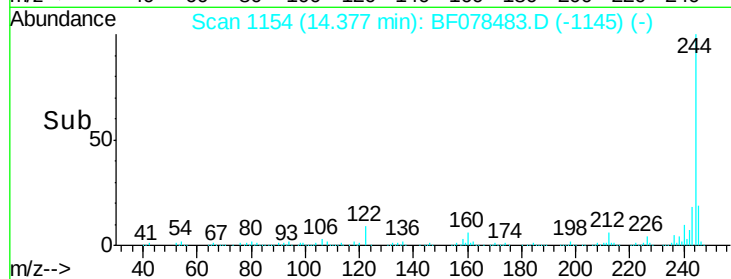
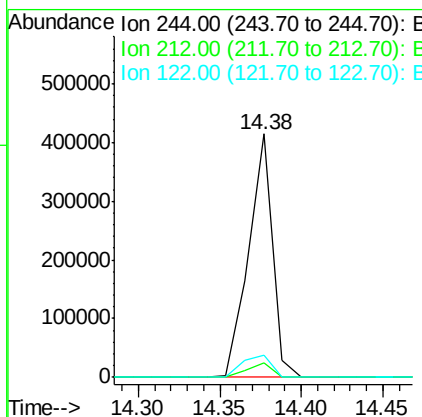
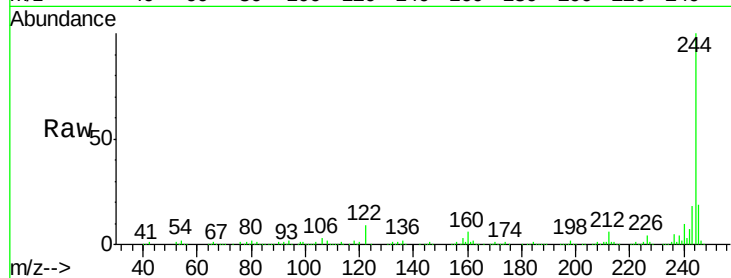




#78
 Terphenyl-d14
 Concen: 55.67 ng
 RT: 14.38 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF078483.D
 Acq: 14 Apr 2015 4:11

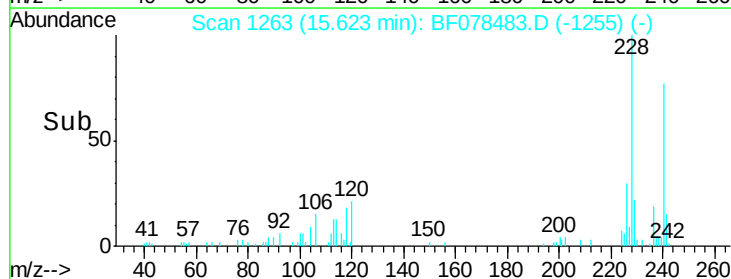
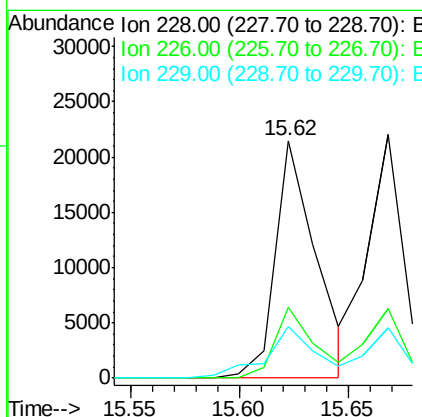
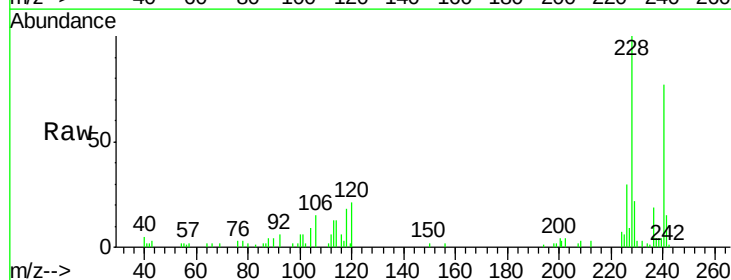
Instrument :
 BNA_F
 ClientSampled :
 PE-10

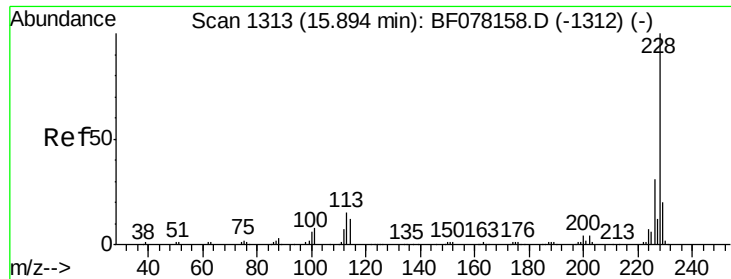
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.0	7.4
122	9.2	7.1	10.7



#80
 Benzo(a)anthracene
 Concen: 2.78 ng
 RT: 15.62 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: BF078483.D
 Acq: 14 Apr 2015 4:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.3	31.9
229	21.6	15.4	23.2





#82

Chrysene

Concen: 2.63 ng

RT: 15.67 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

Instrument :

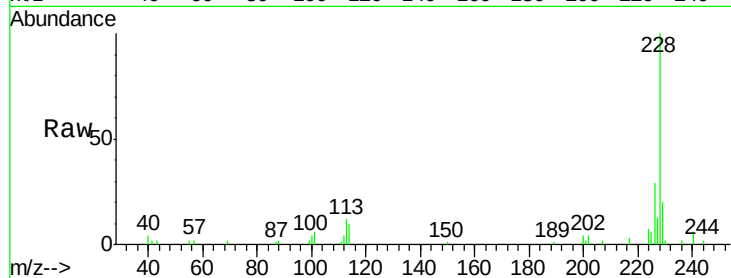
BNA_F

ClientSampleId :

PE-10

Tgt Ion: 228 Resp: 25169

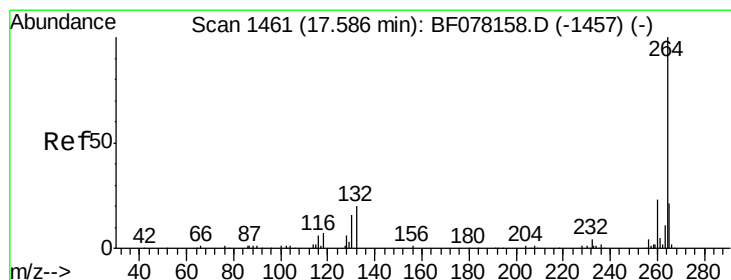
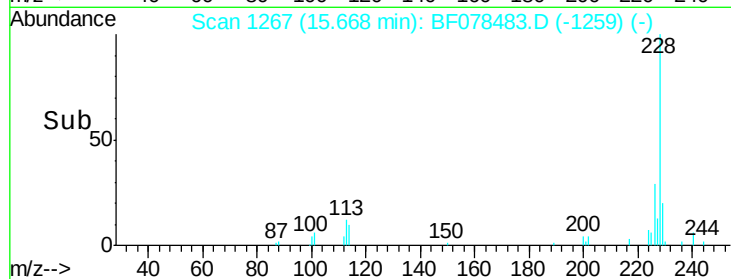
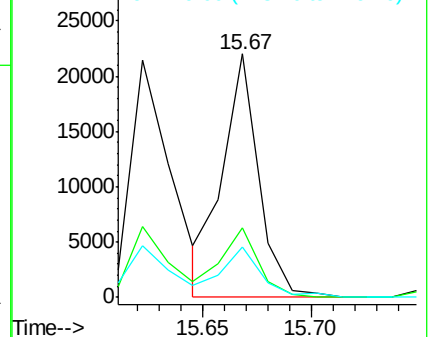
Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.2	36.4
229	20.4	15.8	23.8



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

Perylene-d12

Concen: 20.00 ng

RT: 17.30 min Scan# 1410

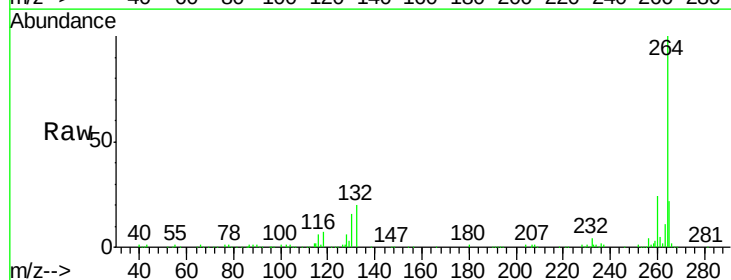
Delta R.T. 0.01 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

Tgt Ion: 264 Resp: 167406

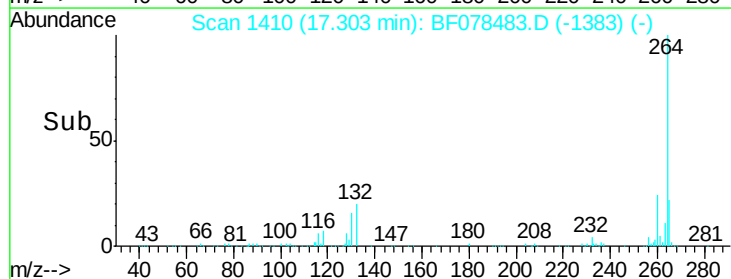
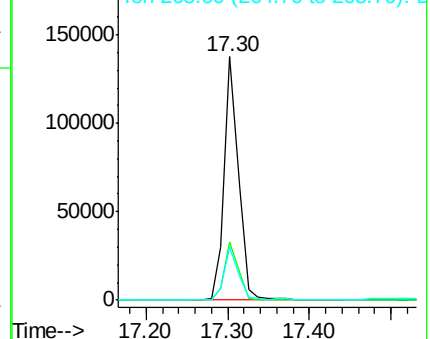
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.5	17.0	25.6

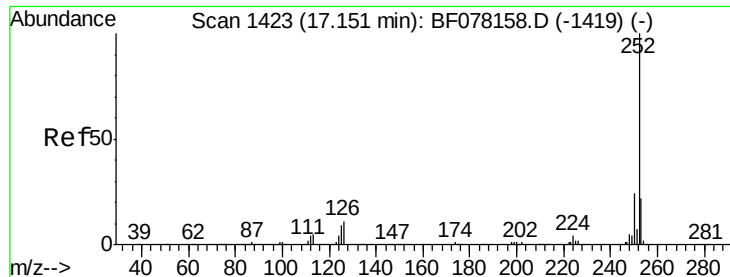


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

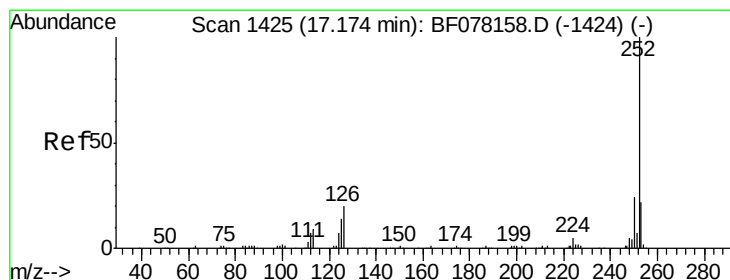
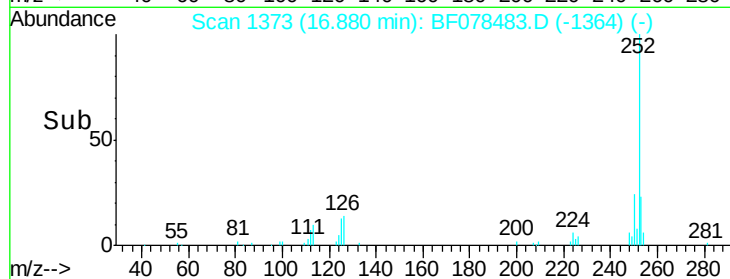
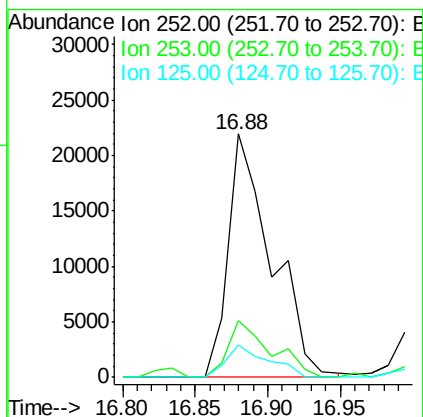
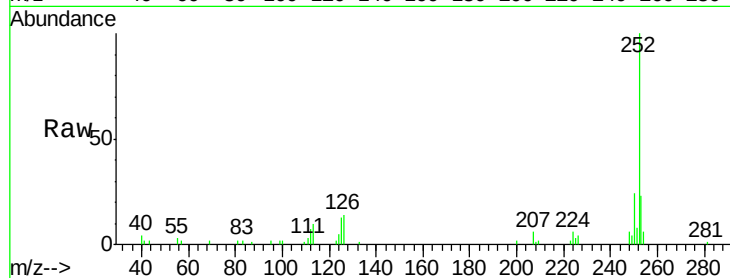




#87
Benzo(b)fluoranthene
Concen: 4.42 ng
RT: 16.88 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BF078483.D
Acq: 14 Apr 2015 4:11

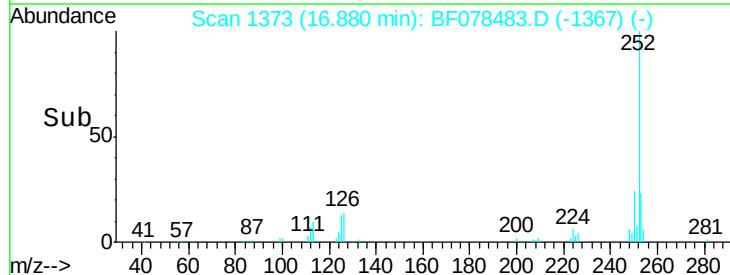
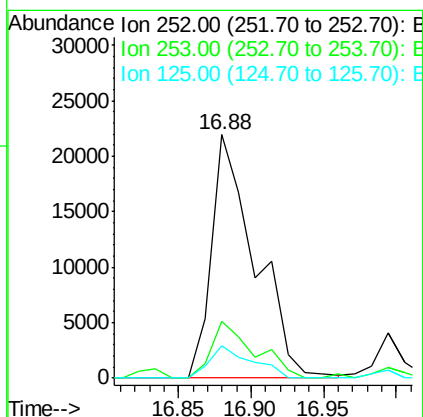
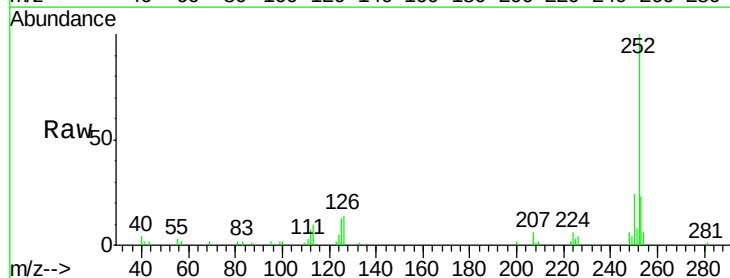
Instrument :
BNA_F
ClientSampleId :
PE-10

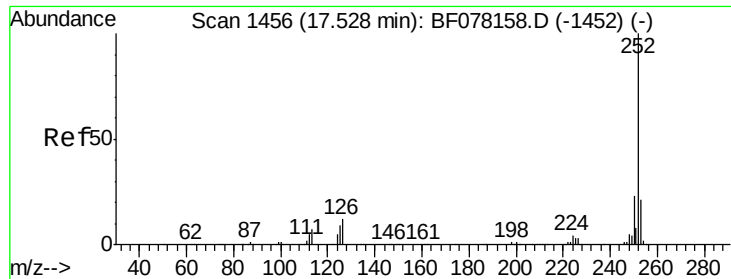
Tgt Ion: 252 Resp: 45715
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 13.4 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 5.00 ng
RT: 16.88 min Scan# 1373
Delta R.T. -0.03 min
Lab File: BF078483.D
Acq: 14 Apr 2015 4:11

Tgt Ion: 252 Resp: 45928
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 13.4 11.6 17.4





#89

Benzo(a)pyrene

Concen: 2.65 ng

RT: 17.25 min Scan# 1405

Delta R.T. 0.01 min

Lab File: BF078483.D

Acq: 14 Apr 2015 4:11

Instrument :

BNA_F

ClientSampleId :

PE-10

Tgt Ion: 252 Resp: 23914

Ion Ratio Lower Upper

252 100

253 22.7 16.8 25.2

125 9.5 7.4 11.0

