

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078580.D
 Acq On : 16 Apr 2015 22:11
 Operator : TP/IZ
 Sample : G1854-07 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10B(14.5-15)

Quant Time: Apr 17 01:24:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 00:52:22 2015
 Response via : Initial Calibration

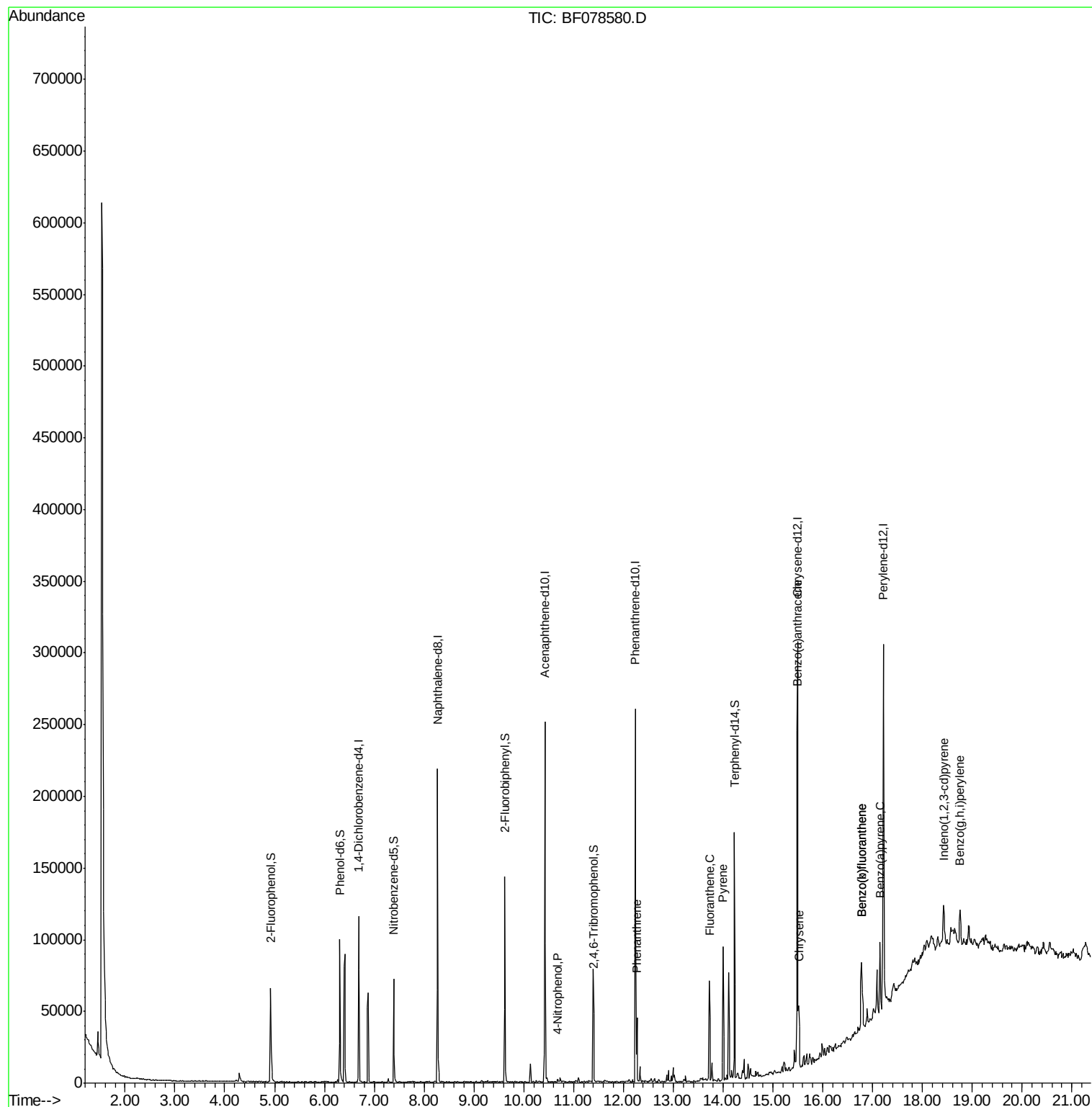
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	23914	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	106560	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	56906	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	115148	20.00	ng	0.00
75) Chrysene-d12	15.50	240	133954	20.00	ng	0.01
86) Perylene-d12	17.21	264	135705	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.92	112	32075	22.11	ng	0.02
7) Phenol-d6	6.31	99	44883	24.69	ng	0.01
23) Nitrobenzene-d5	7.39	82	25245	14.36	ng	0.00
41) 2,4,6-Tribromophenol	11.41	330	11970	25.36	ng	0.01
44) 2-Fluorobiphenyl	9.62	172	52452	13.18	ng	0.00
78) Terphenyl-d14	14.23	244	64949	10.96	ng	0.00
Target Compounds						Qvalue
55) 4-Nitrophenol	10.69	139	628	3.59	ng	# 18
70) Phenanthrene	12.27	178	21410	3.21	ng	98
74) Fluoranthene	13.73	202	38605	5.50	ng	99
77) Pyrene	14.00	202	37508	4.46	ng	# 94
80) Benzo(a)anthracene	15.49	228	26737	3.35	ng	98
82) Chrysene	15.52	228	18539	2.48	ng	95
85) Indeno(1,2,3-cd)pyrene	18.42	276	17539	2.06	ng	# 70
87) Benzo(b)fluoranthene	16.78	252	39673	4.73	ng	# 92
88) Benzo(k)fluoranthene	16.78	252	39673	5.32	ng	97
89) Benzo(a)pyrene	17.15	252	24651	3.37	ng	# 91
91) Benzo(g,h,i)perylene	18.75	276	15876	2.16	ng	98

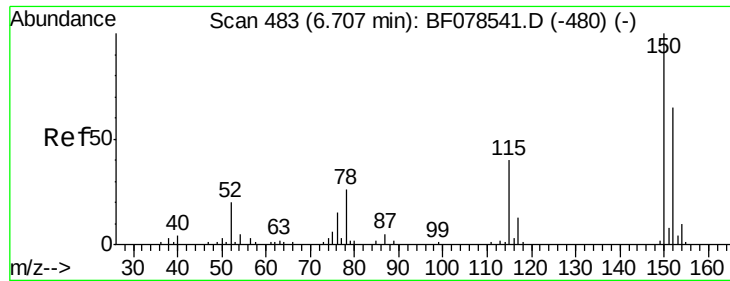
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078580.D
Acq On : 16 Apr 2015 22:11
Operator : TP/IZ
Sample : G1854-07 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-SB10B(14.5-15)

Quant Time: Apr 17 01:24:34 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 17 00:52:22 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 481

Delta R.T. 0.00 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)

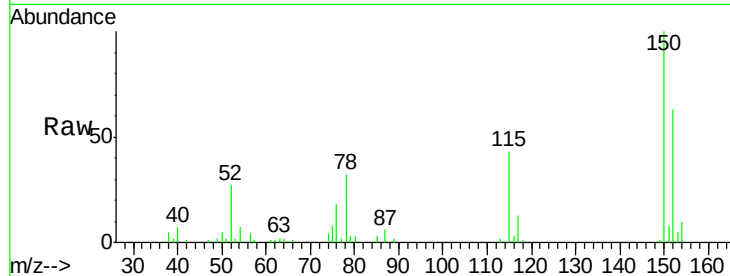
Tgt Ion:152 Resp: 23914

Ion Ratio Lower Upper

152 100

150 158.1 125.9 188.9

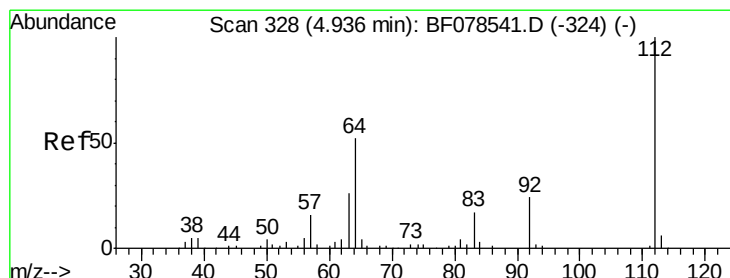
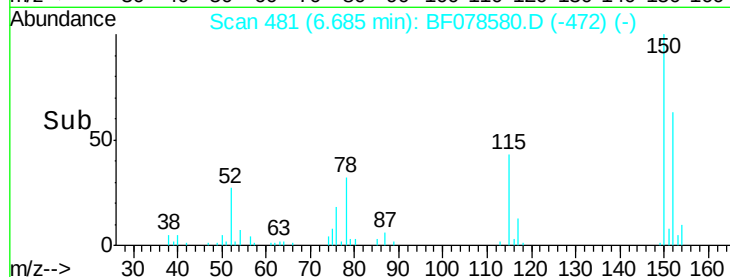
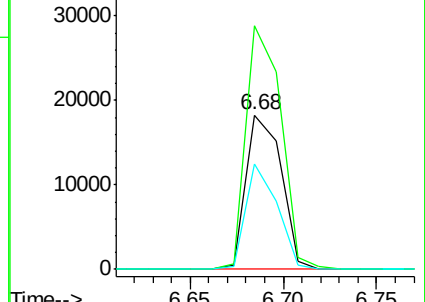
115 68.4 52.7 79.1



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: 22.11 ng

RT: 4.92 min Scan# 327

Delta R.T. 0.02 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

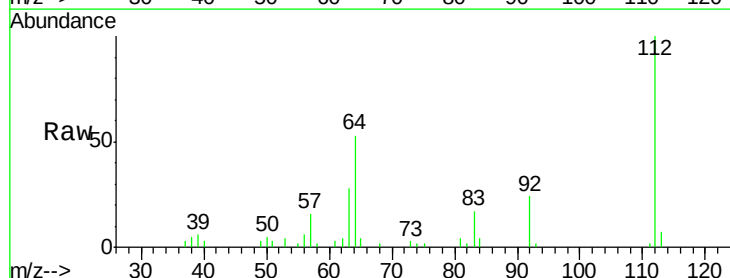
Tgt Ion:112 Resp: 32075

Ion Ratio Lower Upper

112 100

64 53.1 39.9 59.9

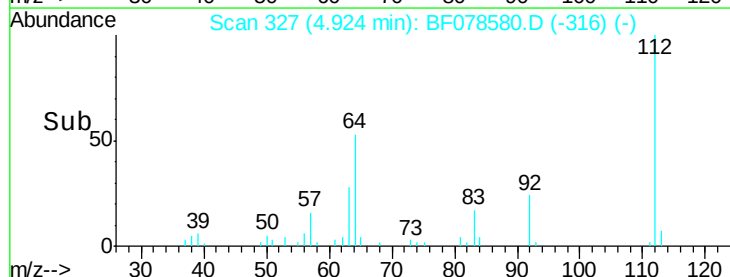
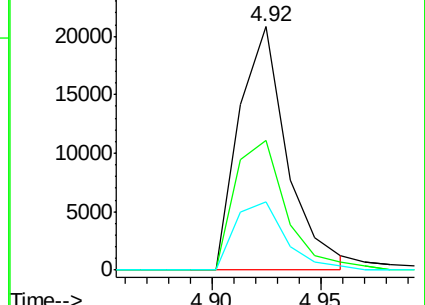
63 28.3 20.2 30.4

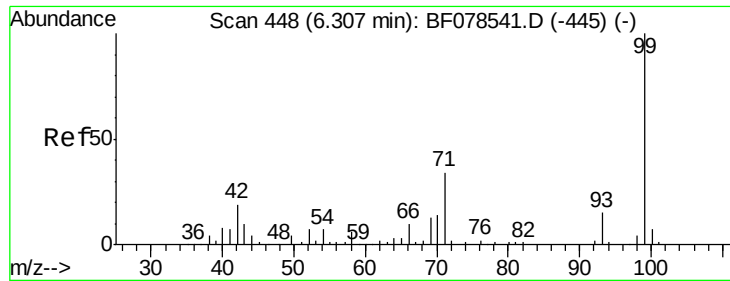


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.69 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)

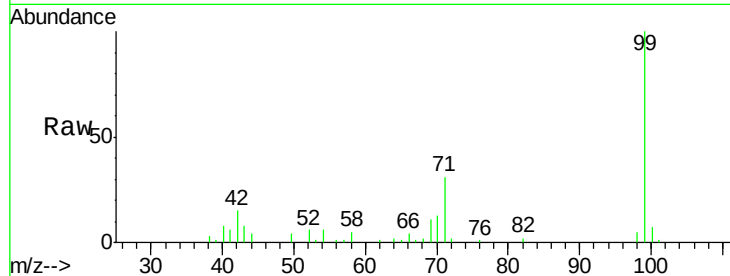
Tgt Ion: 99 Resp: 44883

Ion Ratio Lower Upper

99 100

42 15.4 14.8 22.2

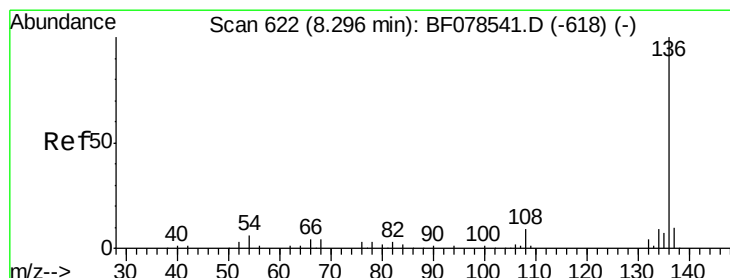
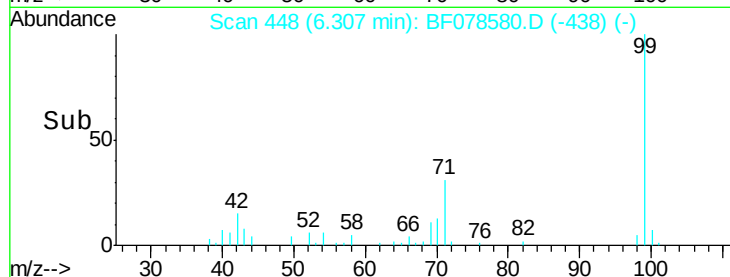
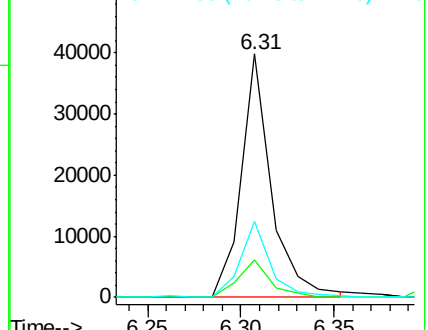
71 31.0 26.6 39.8



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: 8.27 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

Tgt Ion: 136 Resp: 106560

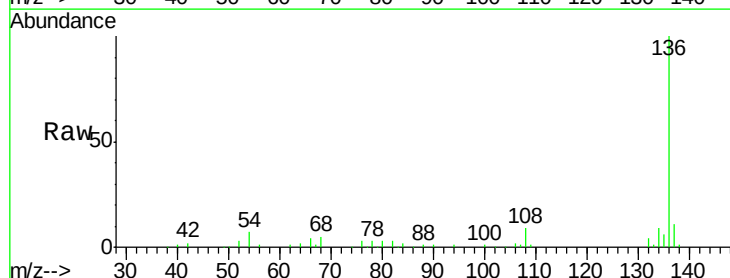
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 6.5 7.0 10.6#

68 5.0 5.4 8.2#

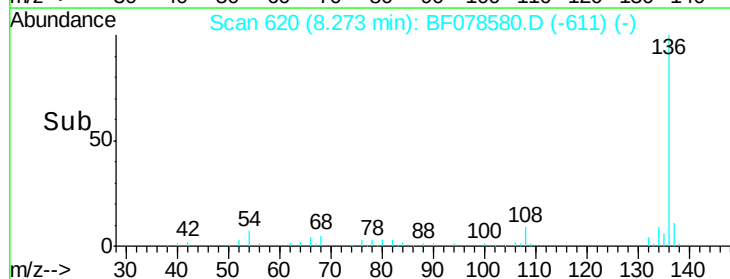
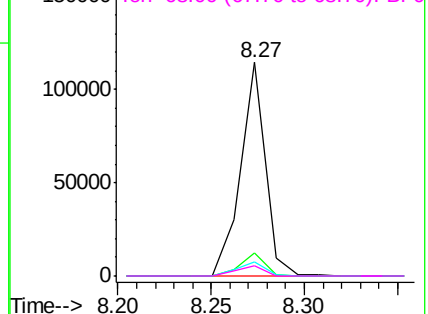


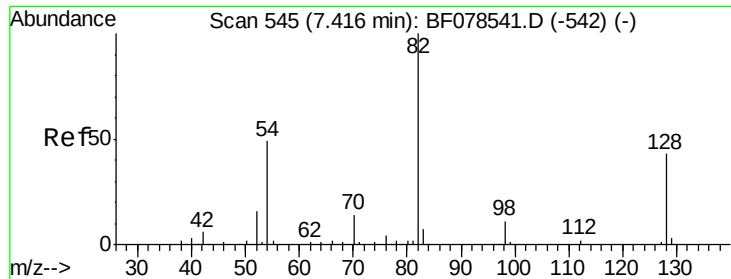
Abundance Ion 136.00 (135.70 to 136.70): E

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

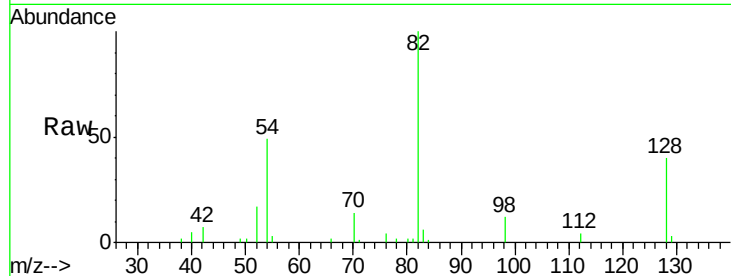




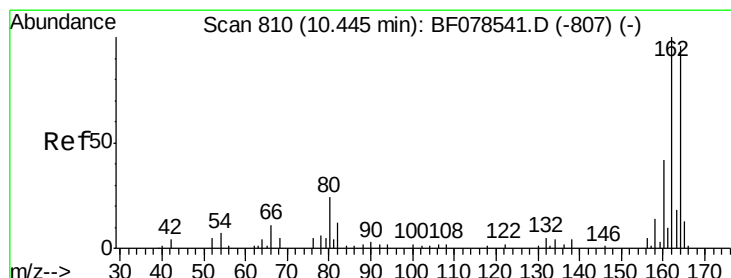
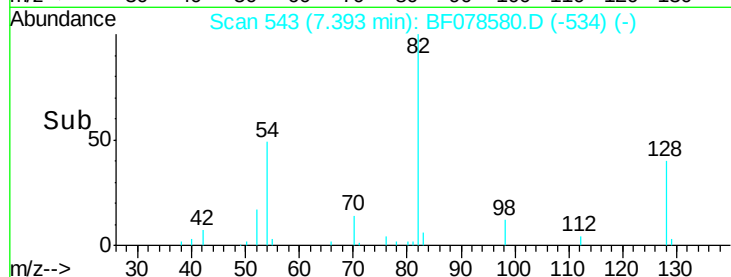
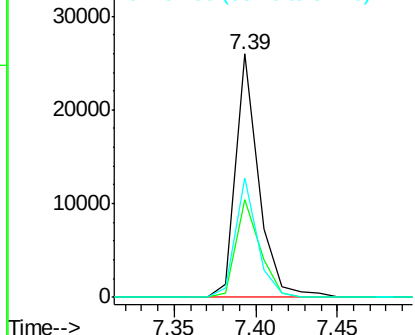
#23
 Nitrobenzene-d5
 Concen: 14.36 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10B(14.5-15)

Tgt Ion: 82 Resp: 25245
 Ion Ratio Lower Upper
 82 100
 128 40.3 31.8 47.8
 54 49.1 41.5 62.3

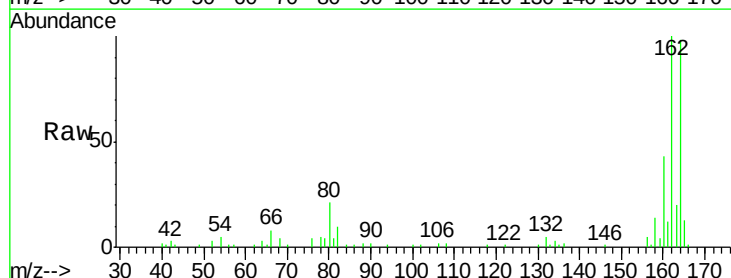


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

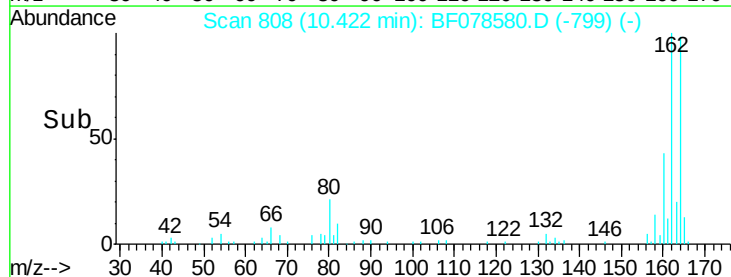
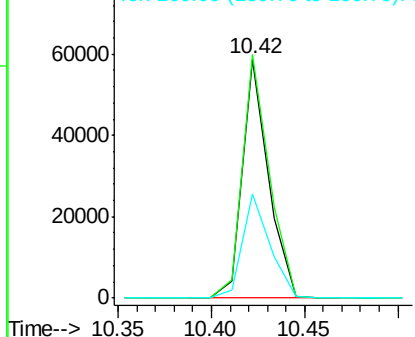


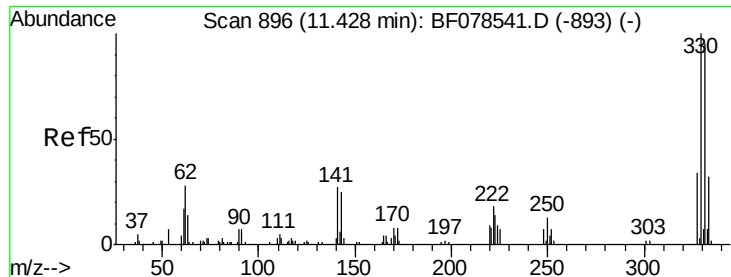
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

Tgt Ion: 164 Resp: 56906
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.2 123.2
 160 43.4 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

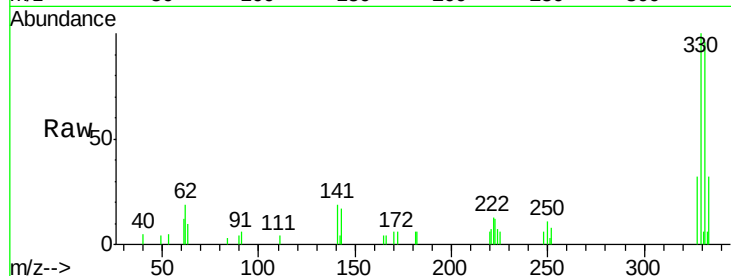




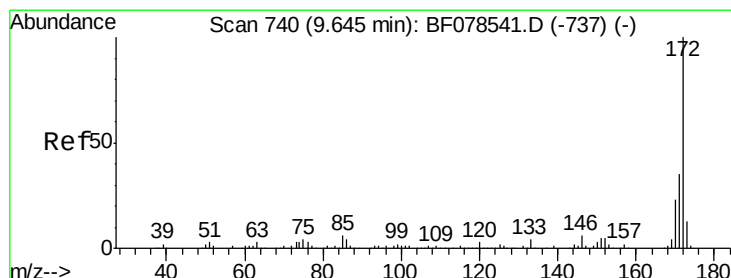
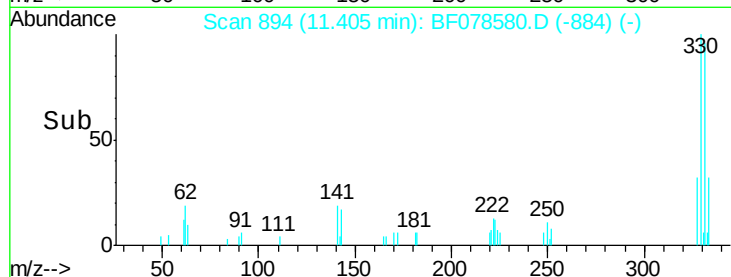
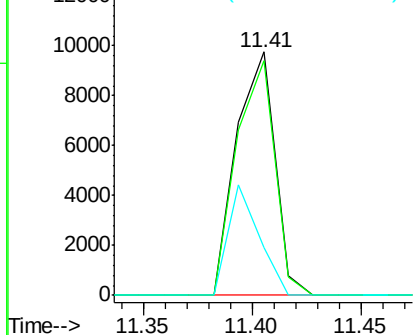
#41
 2,4,6-Tribromophenol
 Concen: 25.36 ng
 RT: 11.41 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10B(14.5-15)

Tgt Ion:330 Resp: 11970
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.6 117.8
 141 36.4 31.2 46.8

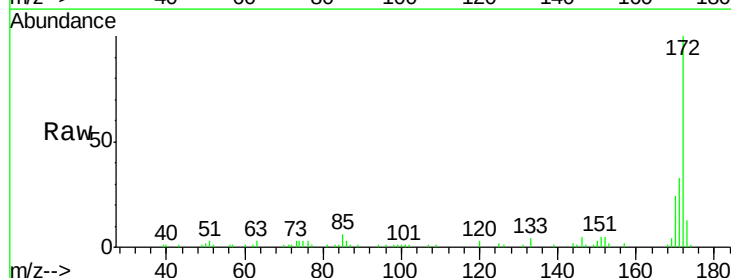


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

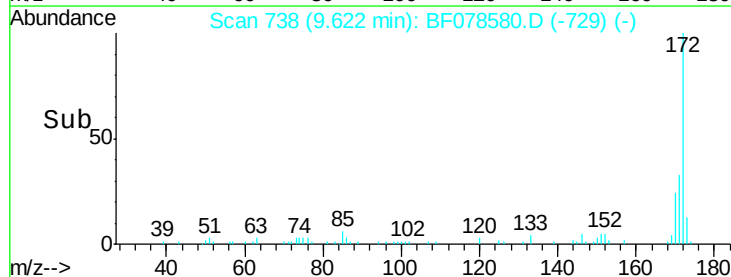
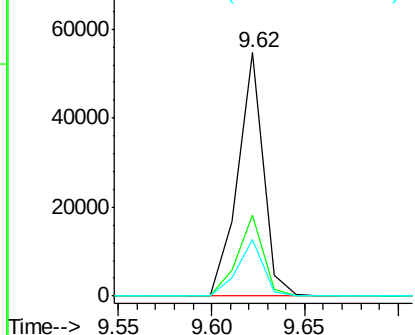


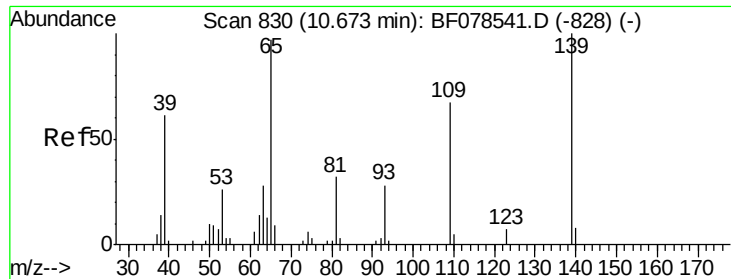
#44
 2-Fluorobiphenyl
 Concen: 13.18 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

Tgt Ion:172 Resp: 52452
 Ion Ratio Lower Upper
 172 100
 171 33.3 28.6 42.8
 170 23.6 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

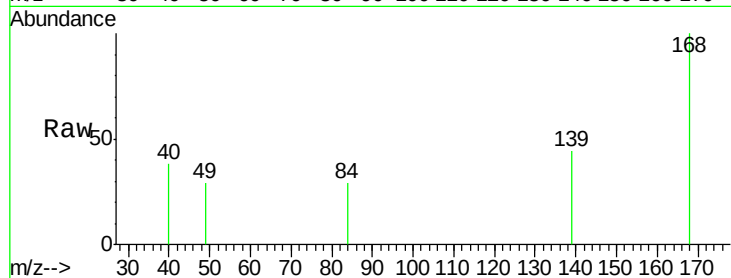




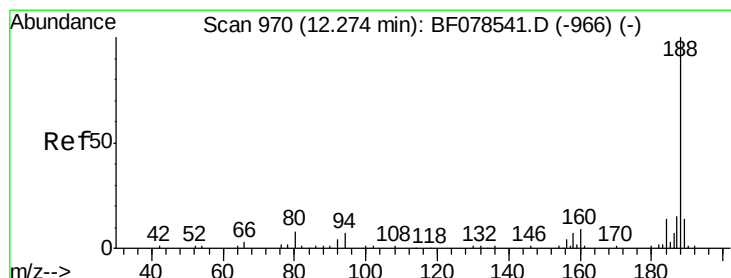
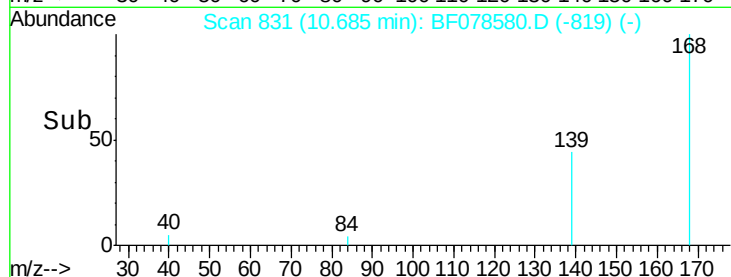
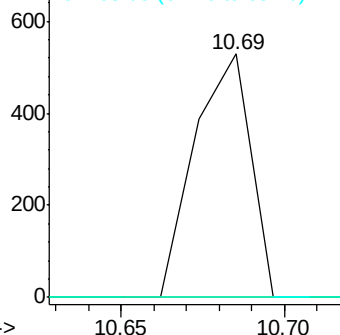
#55
4-Nitrophenol
Concen: 3.59 ng
RT: 10.69 min Scan# 831
Delta R.T. 0.03 min
Lab File: BF078580.D
Acq: 16 Apr 2015 22:11

Instrument :
BNA_F
ClientSampleId :
LS-SB10B(14.5-15)

Tgt Ion:139 Resp: 628
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#

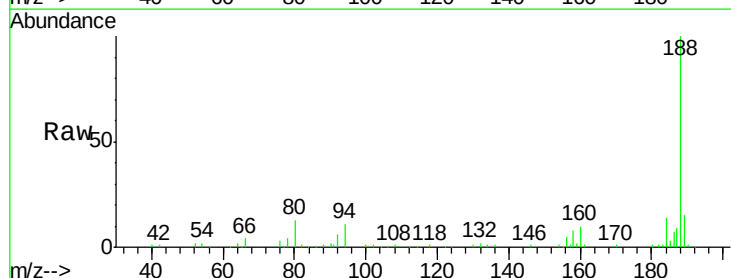


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

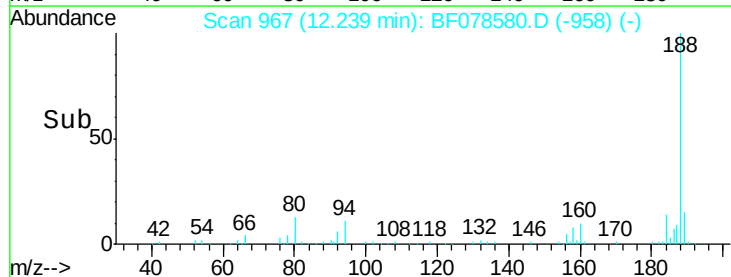
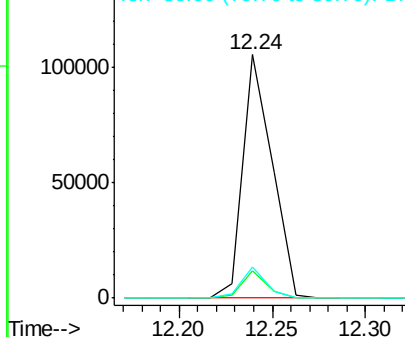


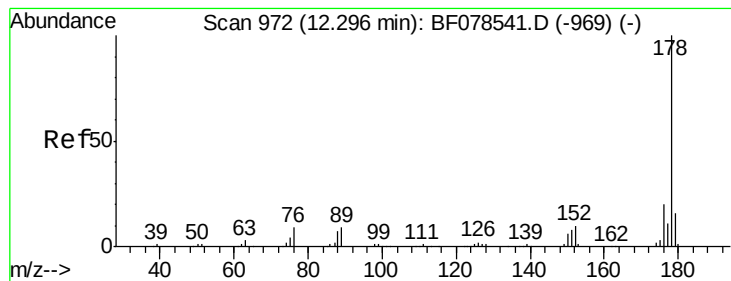
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF078580.D
Acq: 16 Apr 2015 22:11

Tgt Ion:188 Resp: 115148
Ion Ratio Lower Upper
188 100
94 11.4 9.0 13.4
80 12.5 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: 3.21 ng

RT: 12.27 min Scan# 970

Delta R.T. 0.00 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)

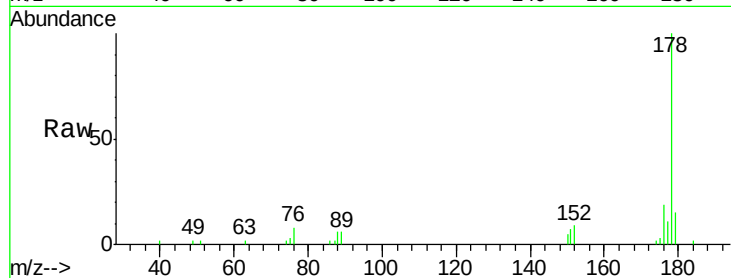
Tgt Ion:178 Resp: 21410

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

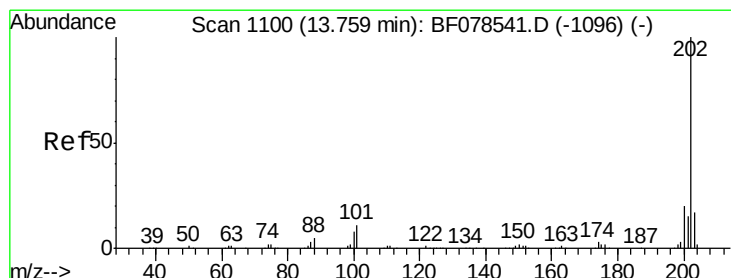
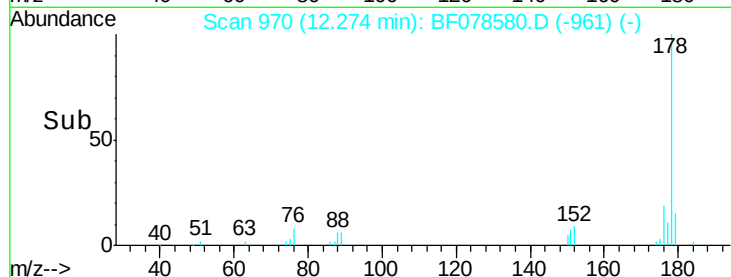
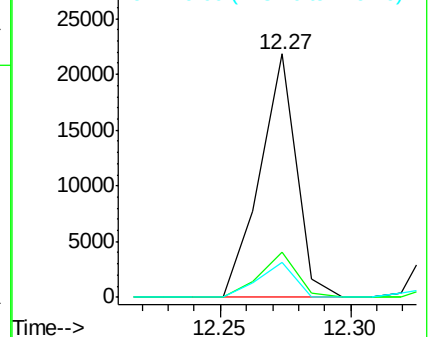
179 14.5 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.50 ng

RT: 13.73 min Scan# 1097

Delta R.T. 0.00 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

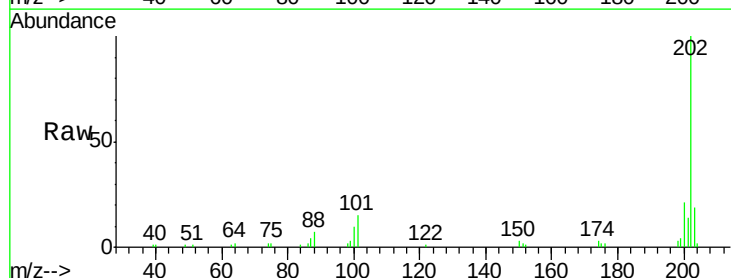
Tgt Ion:202 Resp: 38605

Ion Ratio Lower Upper

202 100

101 14.5 0.0 35.2

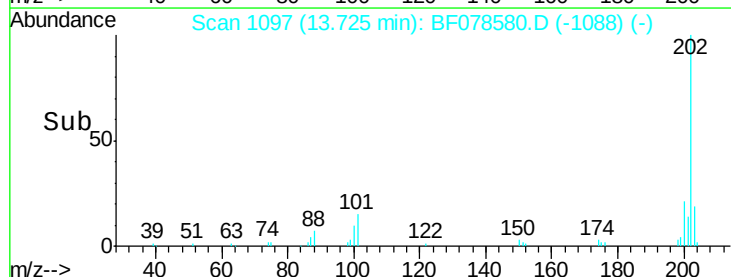
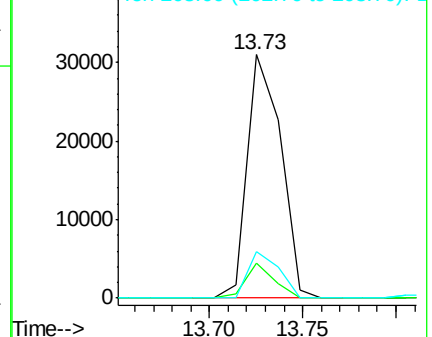
203 19.0 0.0 38.5

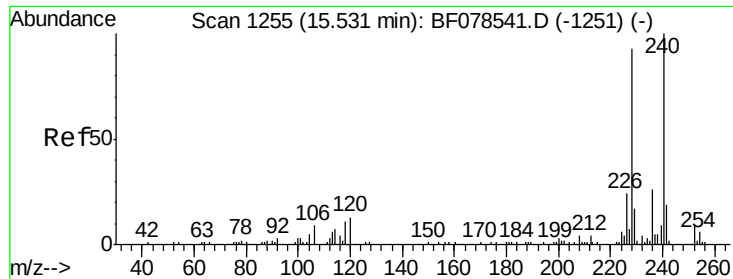


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 1252

Delta R.T. 0.01 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)

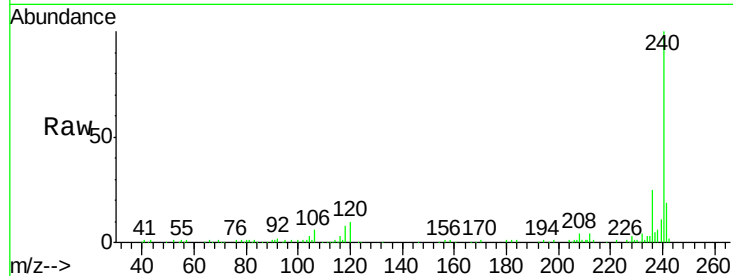
Tgt Ion:240 Resp: 133954

Ion Ratio Lower Upper

240 100

120 9.6 7.1 10.7

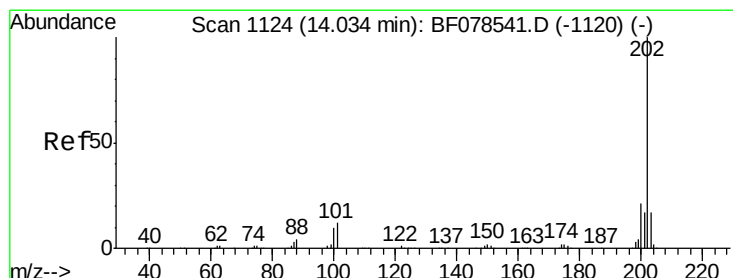
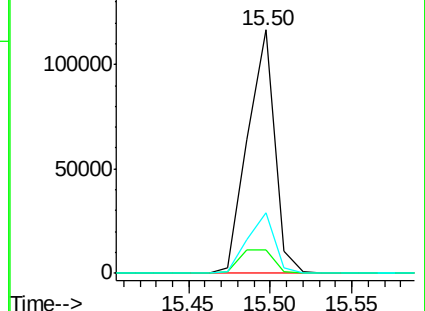
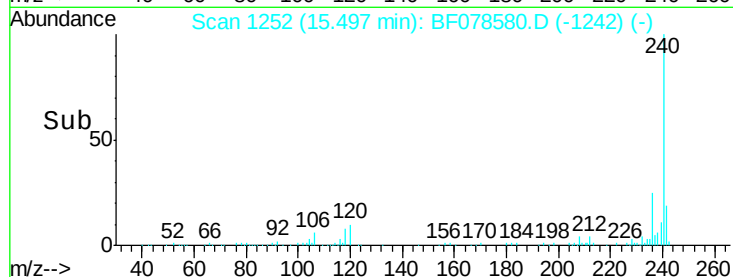
236 24.8 21.4 32.2



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: 4.46 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

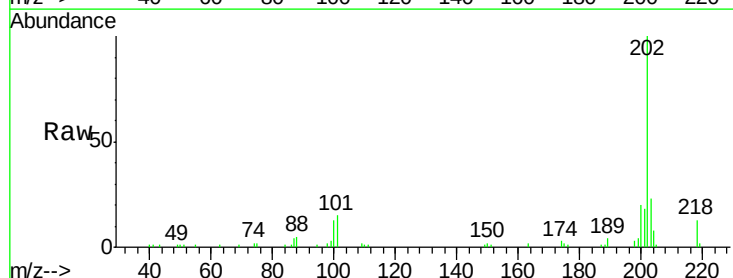
Tgt Ion:202 Resp: 37508

Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

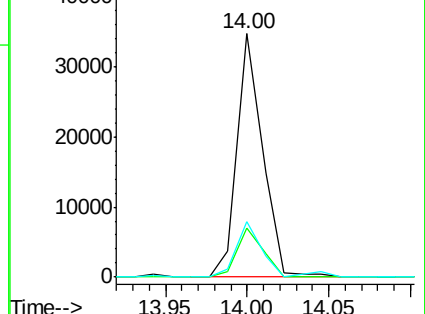
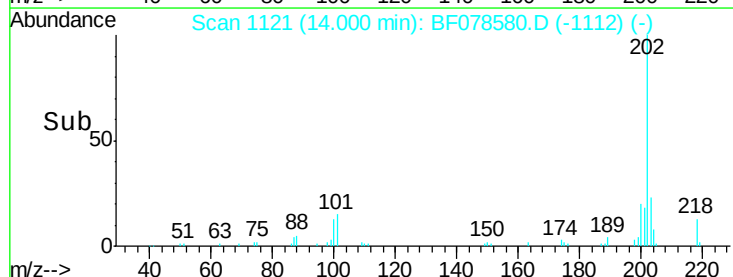
203 22.9 13.8 20.6#

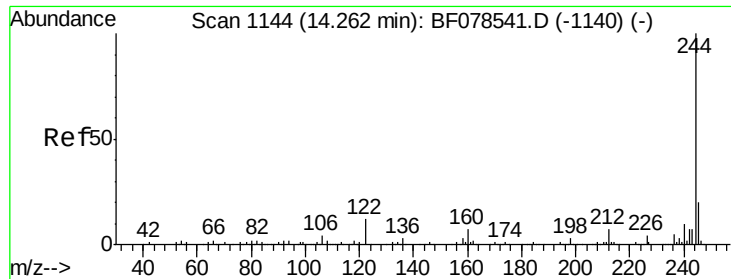


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

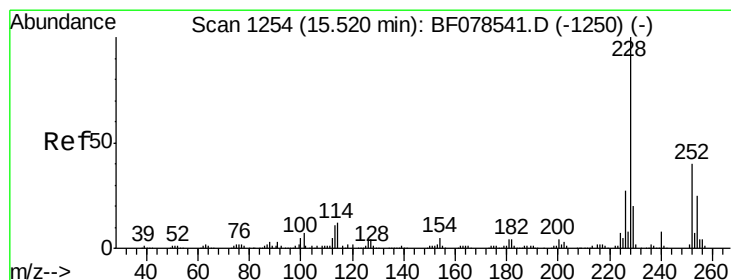
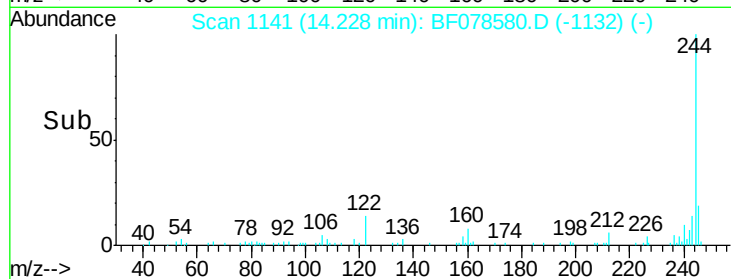
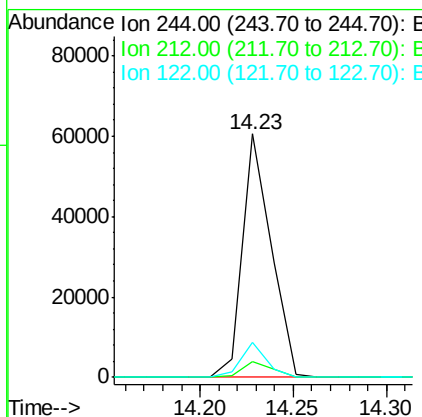
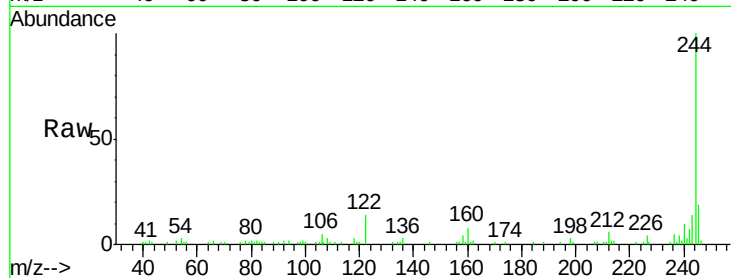




#78
 Terphenyl-d14
 Concen: 10.96 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

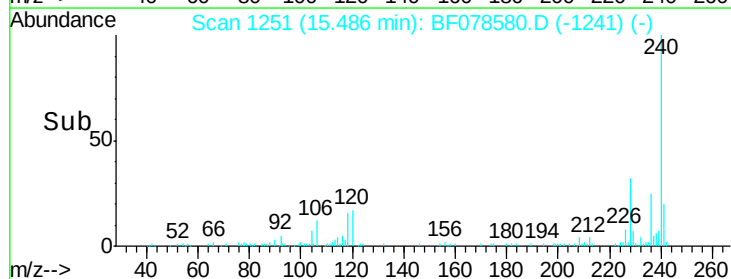
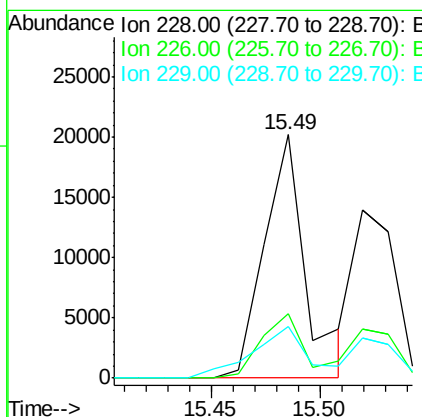
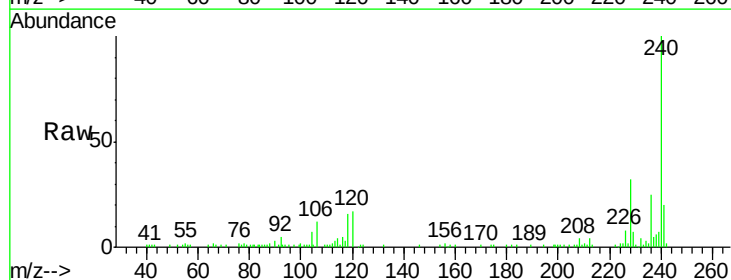
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10B(14.5-15)

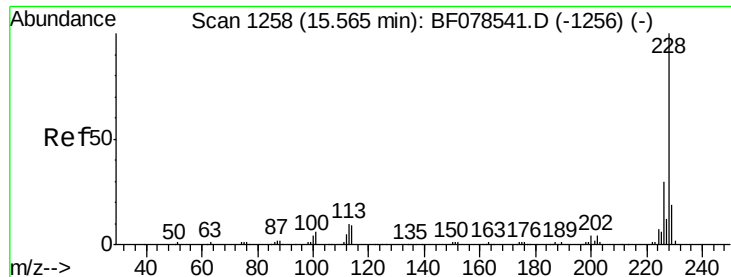
Tgt Ion:244 Resp: 64949
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 14.1 7.1 10.7#



#80
 Benzo(a)anthracene
 Concen: 3.35 ng
 RT: 15.49 min Scan# 1251
 Delta R.T. 0.01 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

Tgt Ion:228 Resp: 26737
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.3 31.9
 229 20.9 15.4 23.2





#82

Chrysene

Concen: 2.48 ng

RT: 15.52 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)

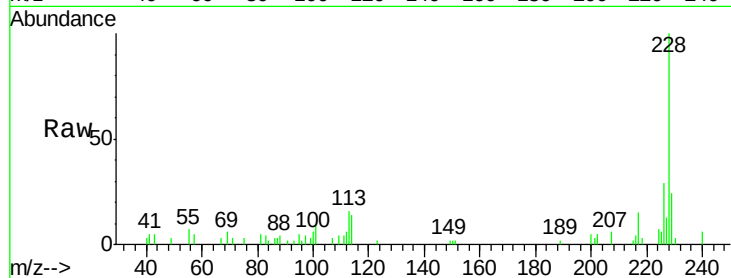
Tgt Ion:228 Resp: 18539

Ion Ratio Lower Upper

228 100

226 28.9 24.2 36.4

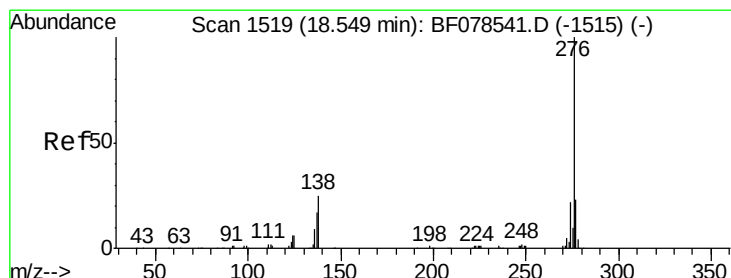
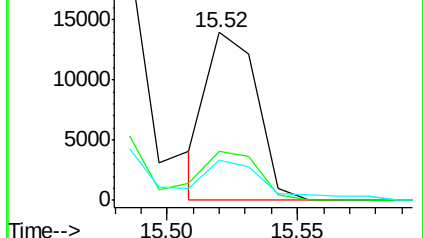
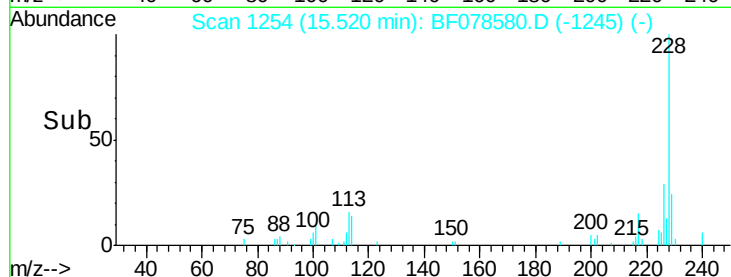
229 23.6 15.8 23.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.06 ng

RT: 18.42 min Scan# 1508

Delta R.T. 0.05 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

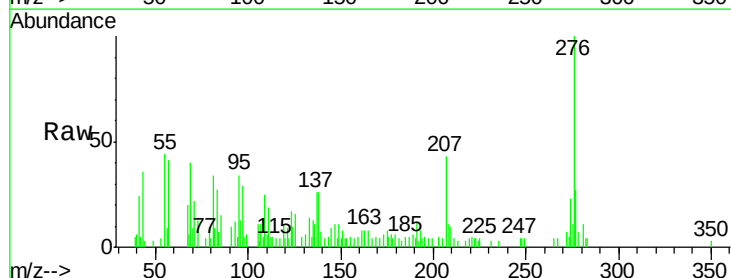
Tgt Ion:276 Resp: 17539

Ion Ratio Lower Upper

276 100

138 31.7 16.9 25.3#

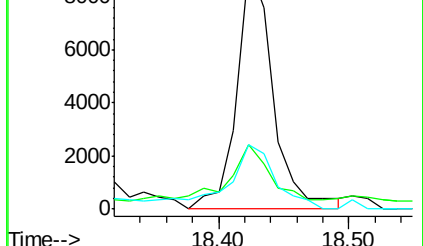
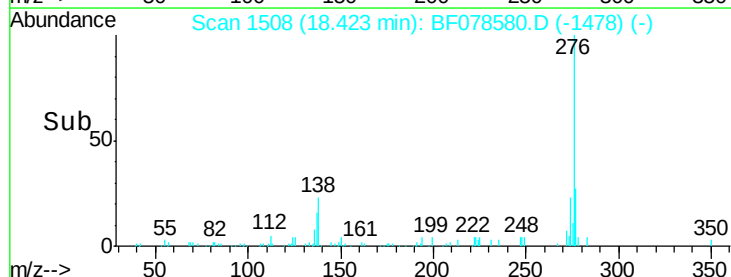
277 37.5 15.8 23.6#

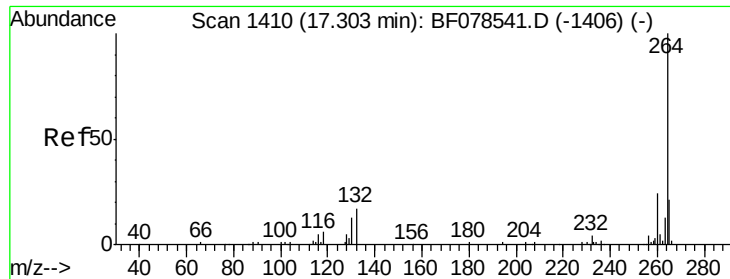


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

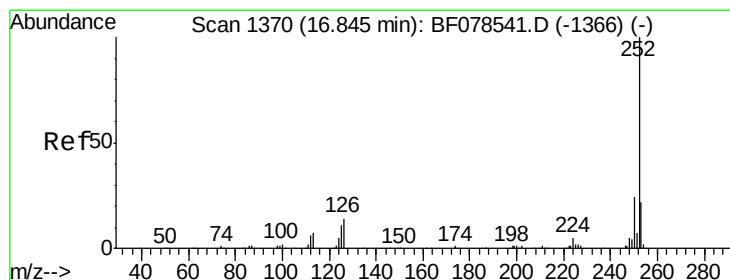
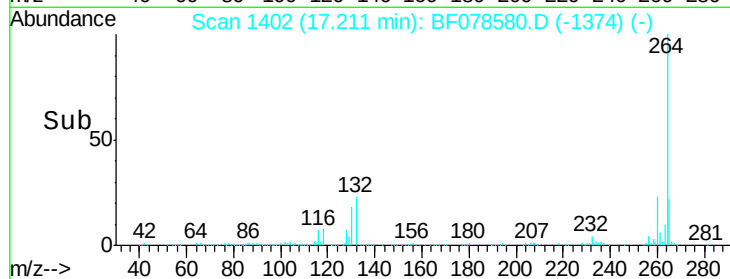
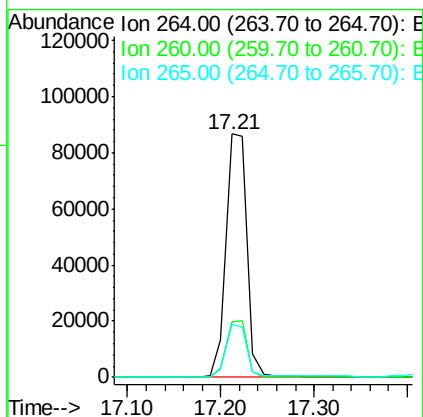
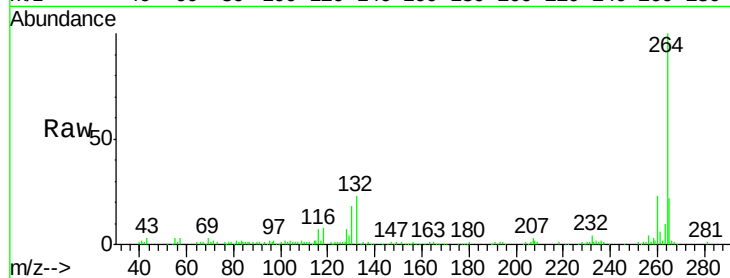




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.21 min Scan# 1402
Delta R.T. 0.02 min
Lab File: BF078580.D
Acq: 16 Apr 2015 22:11

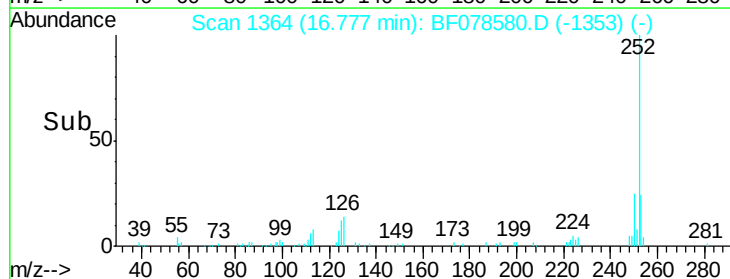
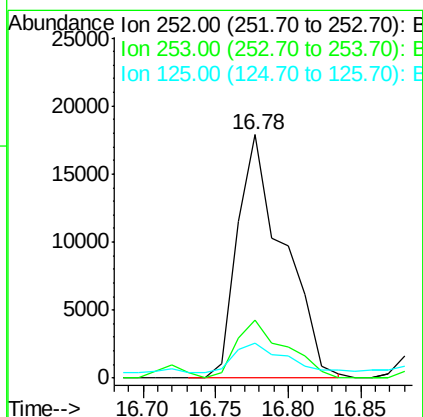
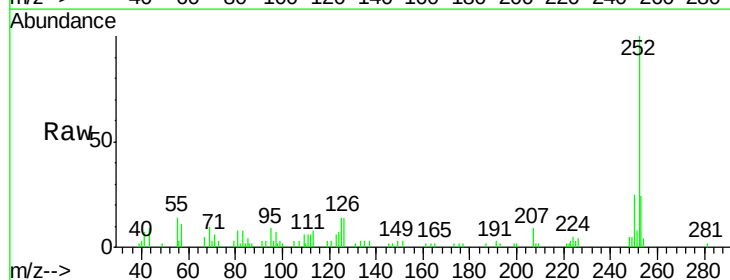
Instrument :
BNA_F
ClientSampleId :
LS-SB10B(14.5-15)

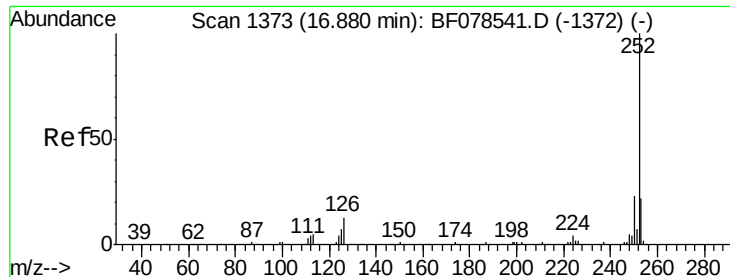
Tgt Ion: 264 Resp: 135705
Ion Ratio Lower Upper
264 100
260 22.7 18.6 27.8
265 21.9 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 4.73 ng
RT: 16.78 min Scan# 1364
Delta R.T. 0.02 min
Lab File: BF078580.D
Acq: 16 Apr 2015 22:11

Tgt Ion: 252 Resp: 39673
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 14.4 7.0 10.4#

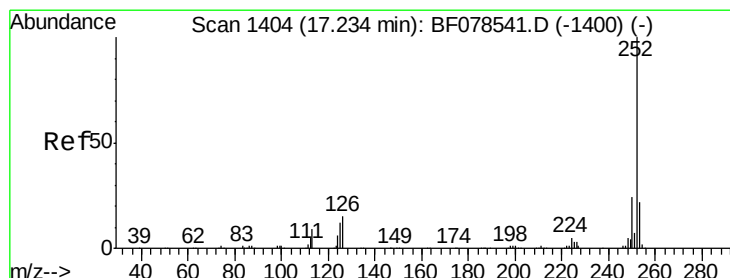
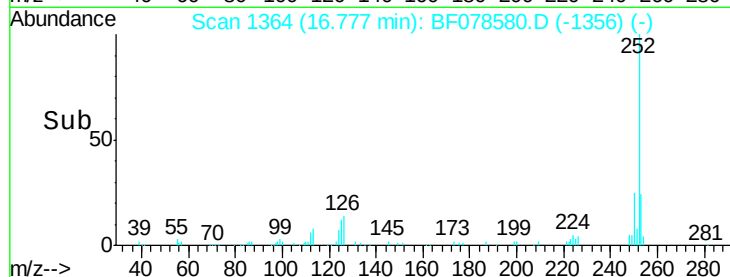
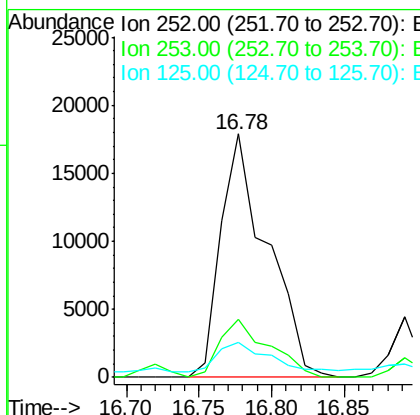
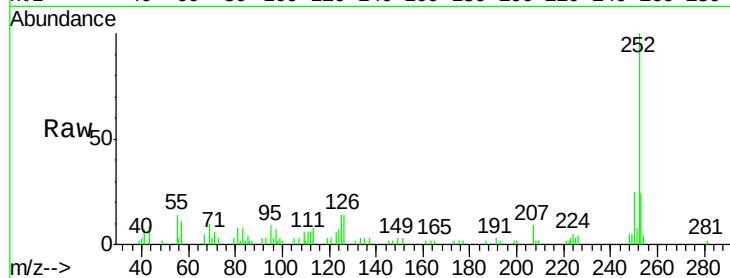




#88
Benzo(k)fluoranthene
Concen: 5.32 ng
RT: 16.78 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF078580.D
Acq: 16 Apr 2015 22:11

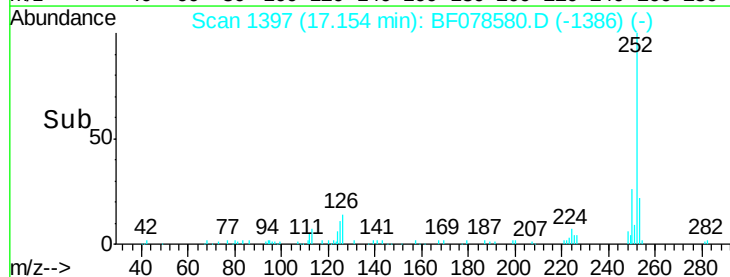
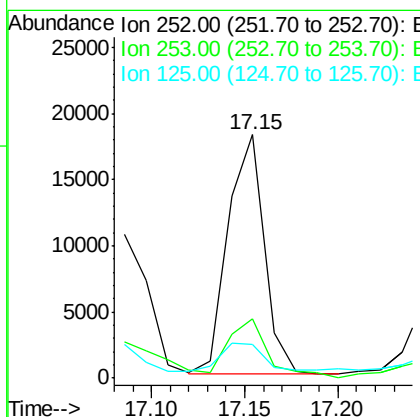
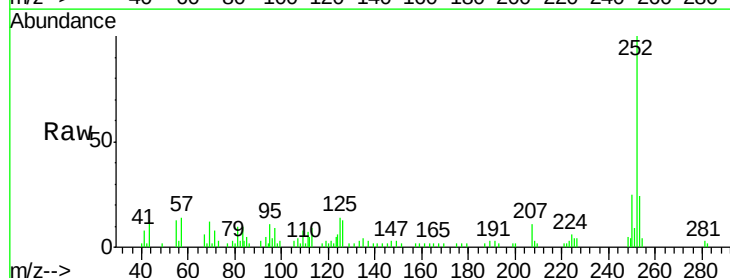
Instrument :
BNA_F
ClientSampleId :
LS-SB10B(14.5-15)

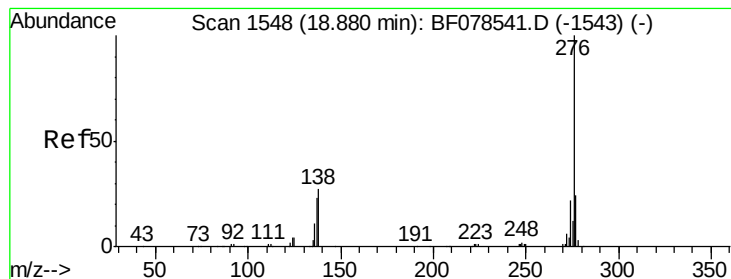
Tgt Ion:252 Resp: 39673
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 14.4 11.6 17.4



#89
Benzo(a)pyrene
Concen: 3.37 ng
RT: 17.15 min Scan# 1397
Delta R.T. 0.02 min
Lab File: BF078580.D
Acq: 16 Apr 2015 22:11

Tgt Ion:252 Resp: 24651
Ion Ratio Lower Upper
252 100
253 24.3 16.8 25.2
125 13.9 7.4 11.0#





#91

Benzo(g,h,i)perylene

Concen: 2.16 ng

RT: 18.75 min Scan# 1537

Delta R.T. 0.05 min

Lab File: BF078580.D

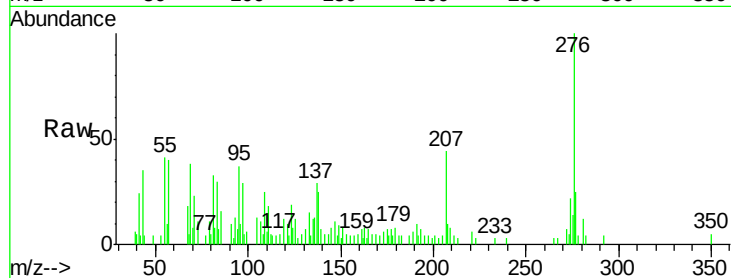
Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)



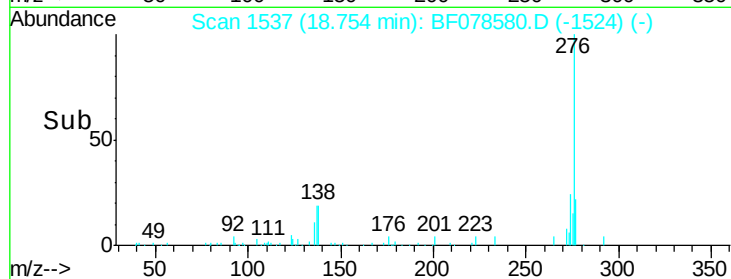
Tgt Ion: 276 Resp: 15876

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.4

138 24.7 19.9 29.9



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

