

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
 Data File : BF078520.D
 Acq On : 15 Apr 2015 1:15
 Operator : TP/IZ
 Sample : G1828-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03B

Quant Time: Apr 15 01:28:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 01:10:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	19176	20.00	ng	0.00
21) Naphthalene-d8	8.39	136	84201	20.00	ng	0.00
38) Acenaphthene-d10	10.54	164	45553	20.00	ng	0.00
63) Phenanthrene-d10	12.37	188	94371	20.00	ng	0.00
75) Chrysene-d12	15.62	240	114907	20.00	ng	-0.03
86) Perylene-d12	17.27	264	111844	20.00	ng	-0.22

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units
5) 2-Fluorophenol	0.00	112	0	0.00	ng
7) Phenol-d6	0.00	99	0	0.00	ng
23) Nitrobenzene-d5	0.00	82	0	0.00	ng
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng
78) Terphenyl-d14	0.00	244	0	0.00	ng

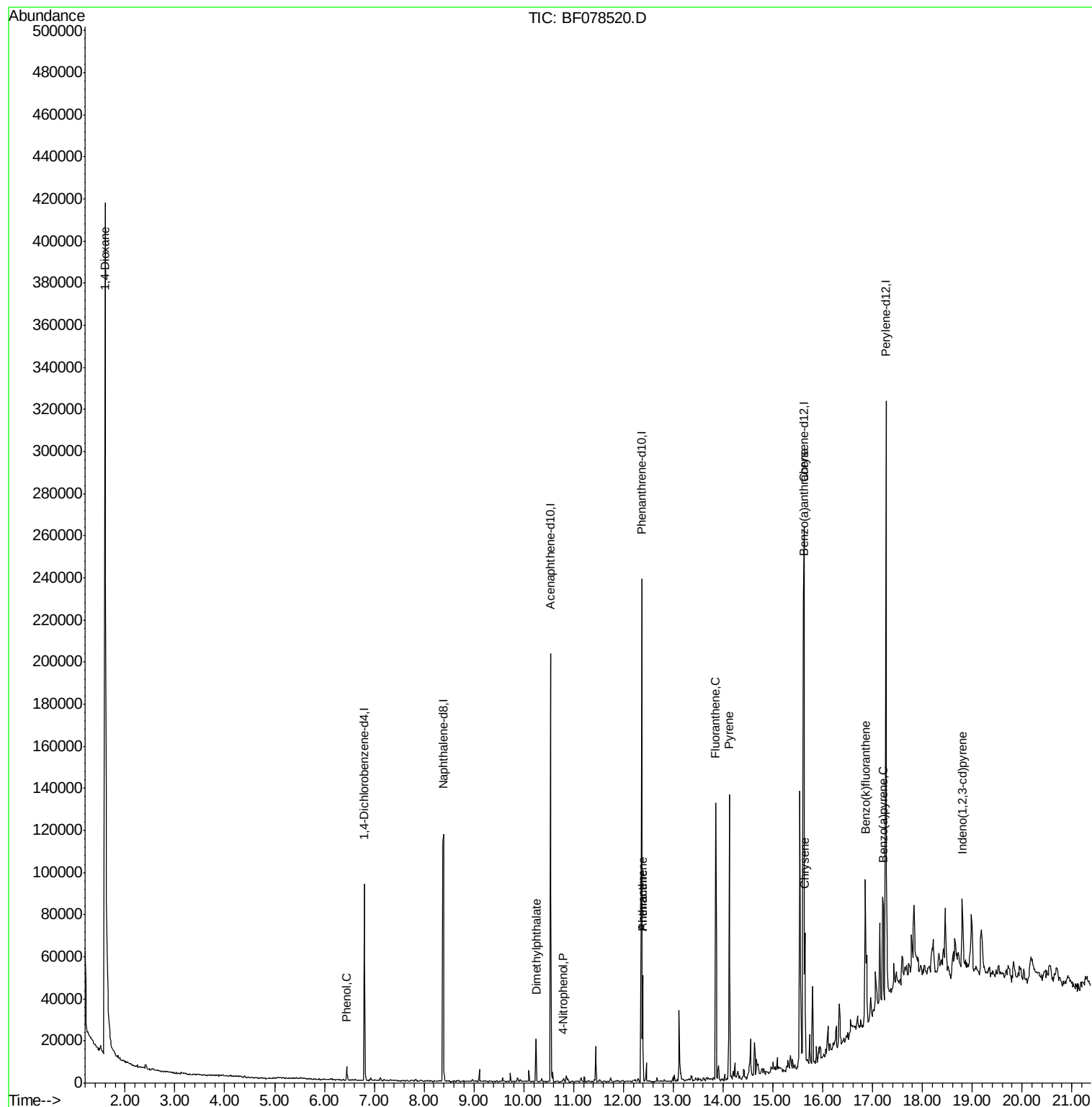
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.60	88	19933	37.90	ng	# 26
10) Phenol	6.44	94	3987	2.28	ng	88
49) Dimethylphthalate	10.25	163	14953	4.37	ng	# 94
55) 4-Nitrophenol	10.80	139	248	3.17	ng	# 18
70) Phenanthrene	12.39	178	21520	3.94	ng	99
71) Anthracene	12.39	178	20784	3.86	ng	99
74) Fluoranthene	13.85	202	64897	11.27	ng	96
77) Pyrene	14.13	202	58538	8.12	ng	# 92
80) Benzo(a)anthracene	15.61	228	27592	4.04	ng	98
82) Chrysene	15.65	228	28781	4.48	ng	97
85) Indeno(1,2,3-cd)pyrene	18.80	276	19964	2.74	ng	# 84
88) Benzo(k)fluoranthene	16.86	252	50558	8.23	ng	96
89) Benzo(a)pyrene	17.21	252	28068	4.65	ng	97

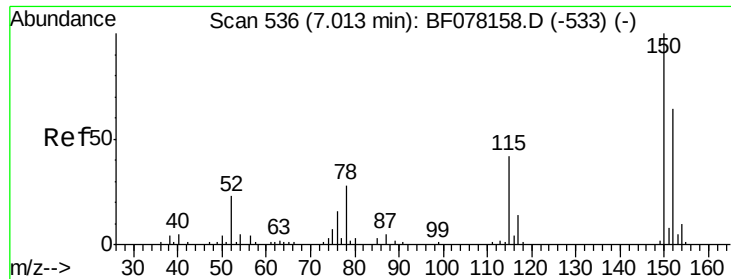
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

Instrument :

BNA_F

ClientSampleId :

HS-SB03B

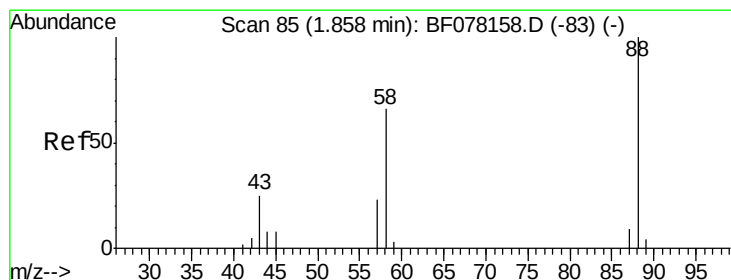
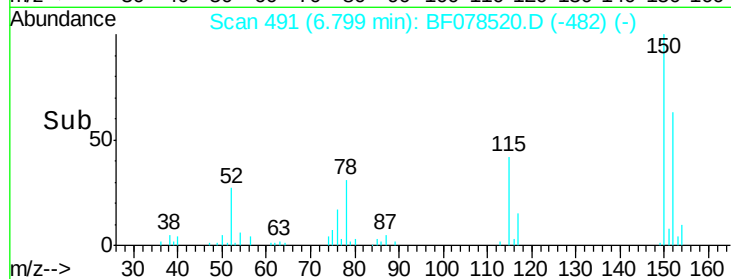
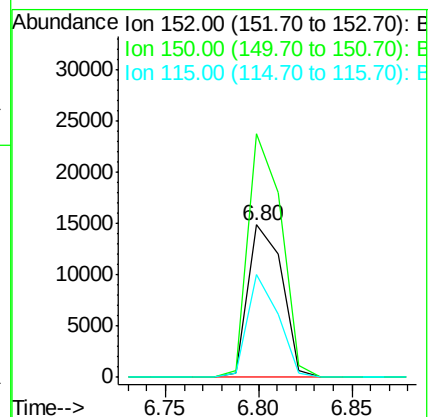
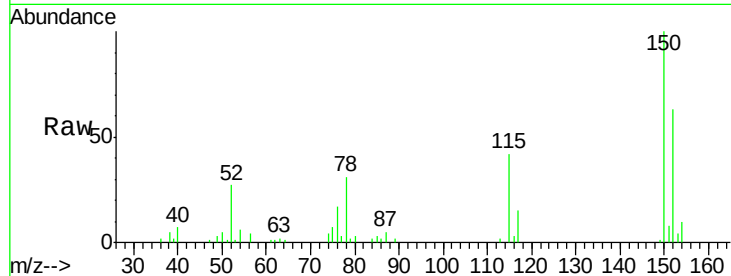
Tgt Ion:152 Resp: 19176

Ion Ratio Lower Upper

152 100

150 159.7 125.9 188.9

115 67.3 52.7 79.1



#2

1,4-Dioxane

Concen: 37.90 ng

RT: 1.60 min Scan# 36

Delta R.T. 0.01 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

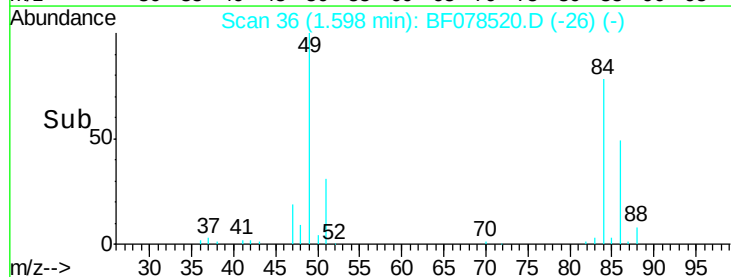
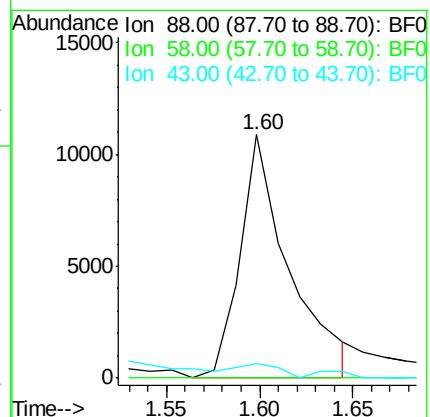
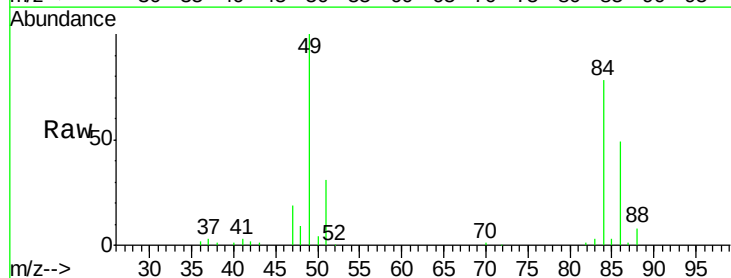
Tgt Ion: 88 Resp: 19933

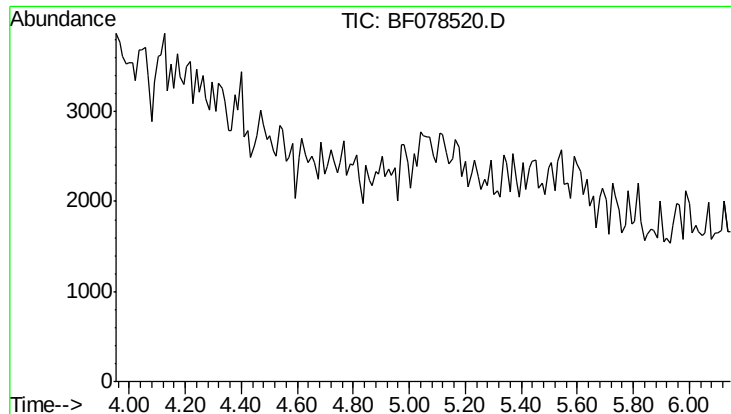
Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

43 5.6 21.4 32.2#

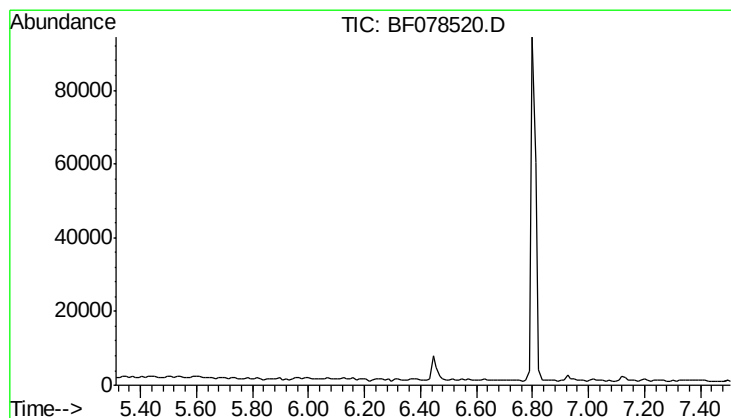
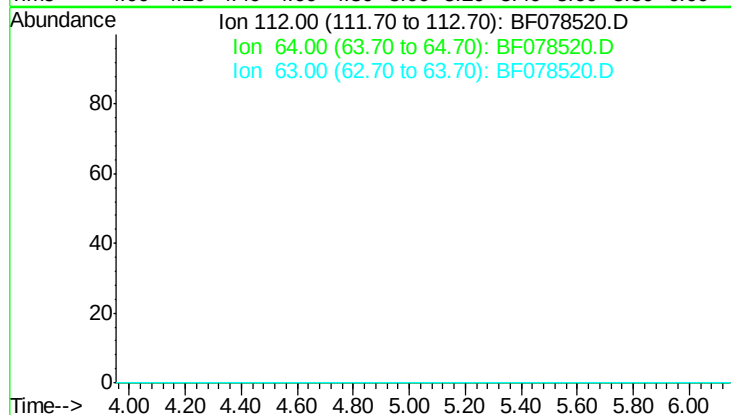




#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.05 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

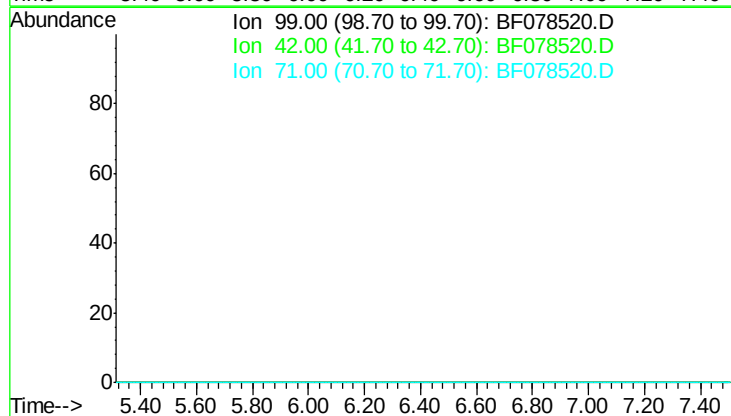
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03B

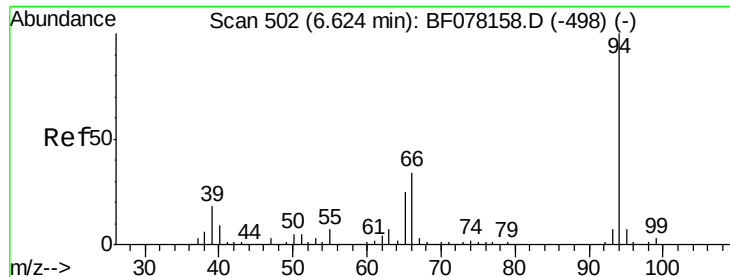
Tgt Ion	Exp Ratio
112	100
64	49.9
63	25.3



#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.41 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

Tgt Ion	Exp Ratio
99	100
42	18.5
71	33.2





#10

Phenol

Concen: 2.28 ng

RT: 6.44 min Scan# 460

Delta R.T. 0.02 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

Instrument :

BNA_F

ClientSampleId :

HS-SB03B

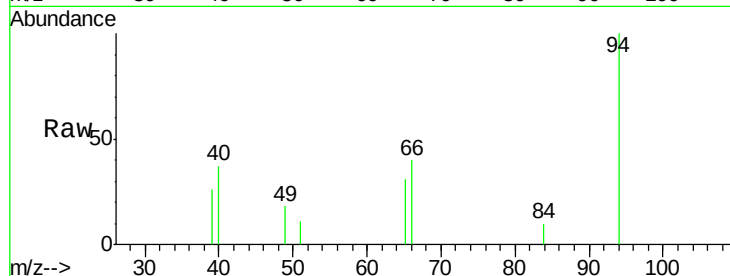
Tgt Ion: 94 Resp: 3987

Ion Ratio Lower Upper

94 100

65 31.4 4.9 44.9

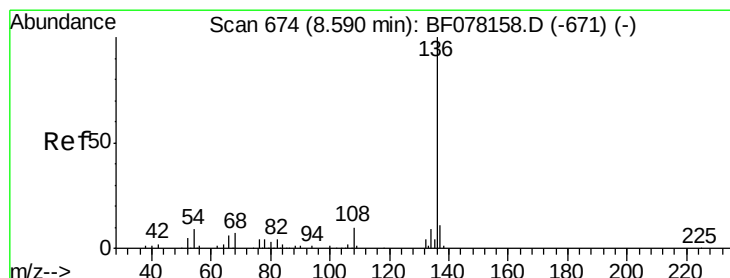
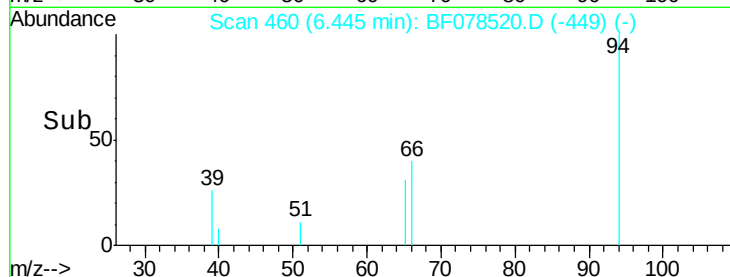
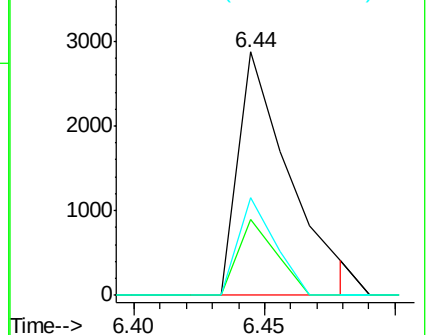
66 40.3 13.8 53.8



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: 8.39 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

Tgt Ion: 136 Resp: 84201

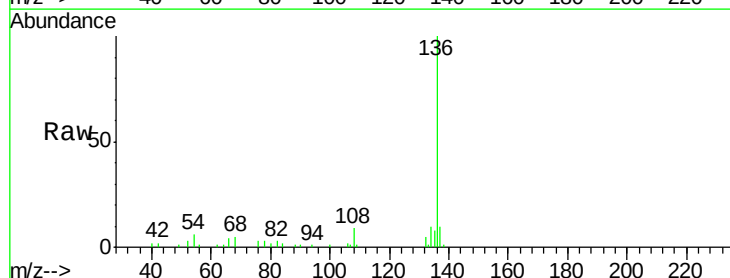
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 5.7 7.0 10.6#

68 4.8 5.4 8.2#

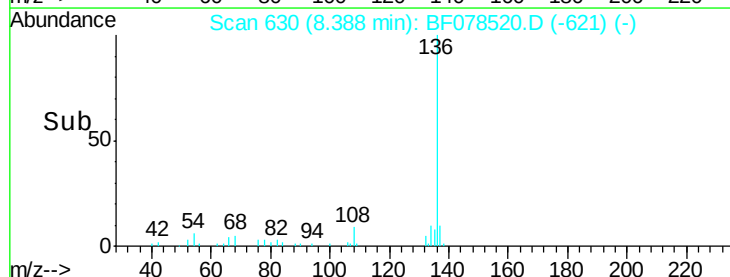
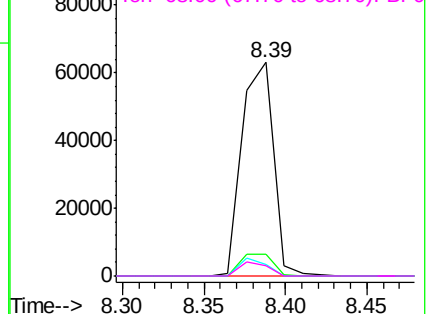


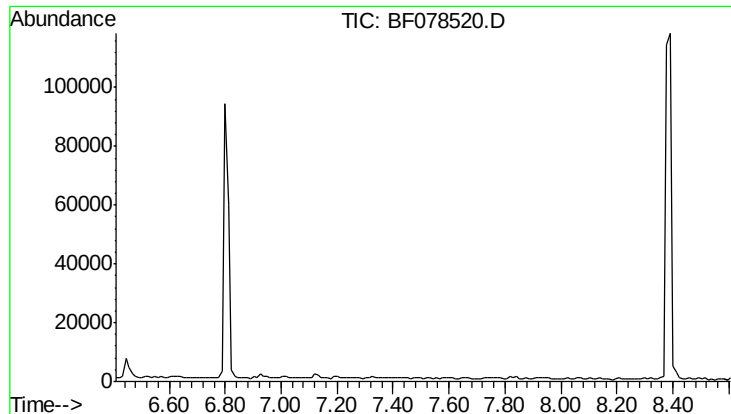
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.00 ng

Expected RT: 7.51 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

Tgt Ion: 82

Sig Exp Ratio

82 100

128 39.8

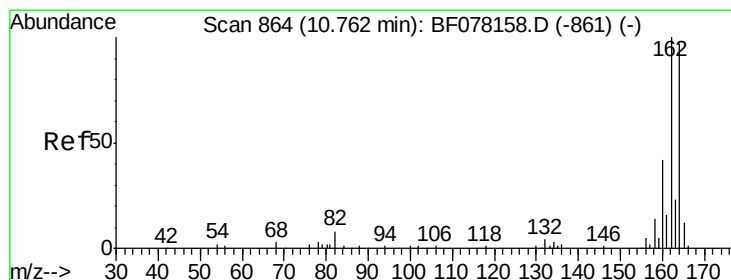
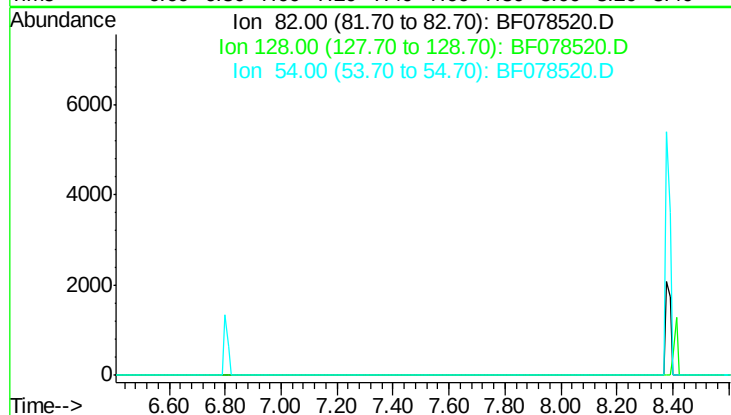
54 51.9

Instrument :

BNA_F

ClientSampleId :

HS-SB03B



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.54 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

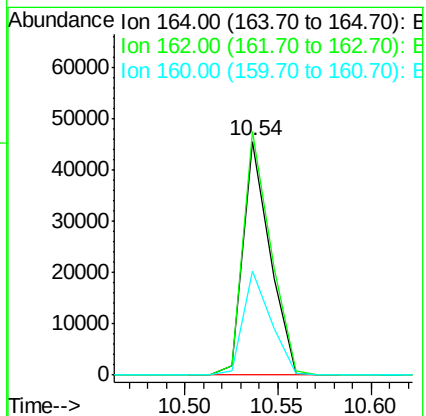
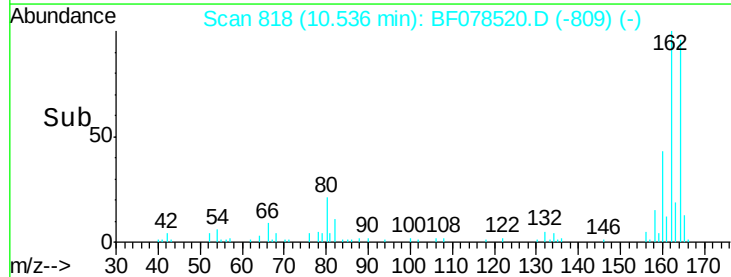
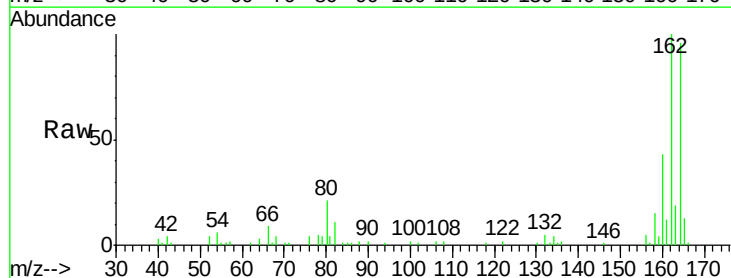
Tgt Ion:164 Resp: 45553

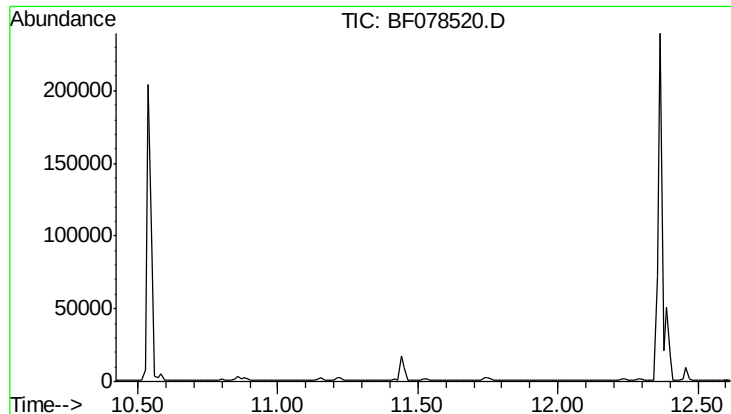
Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.2

160 44.3 34.7 52.1

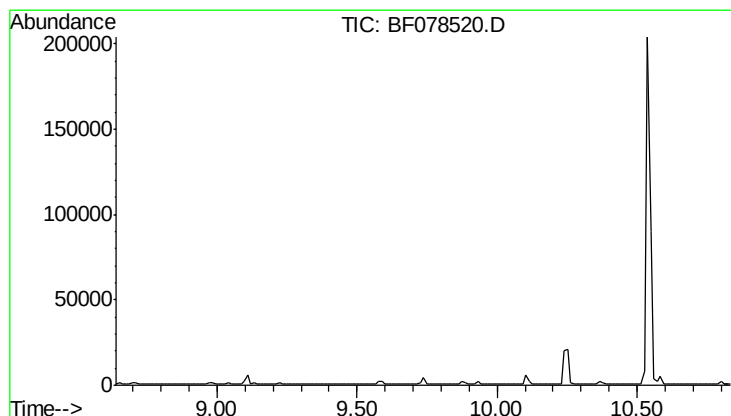
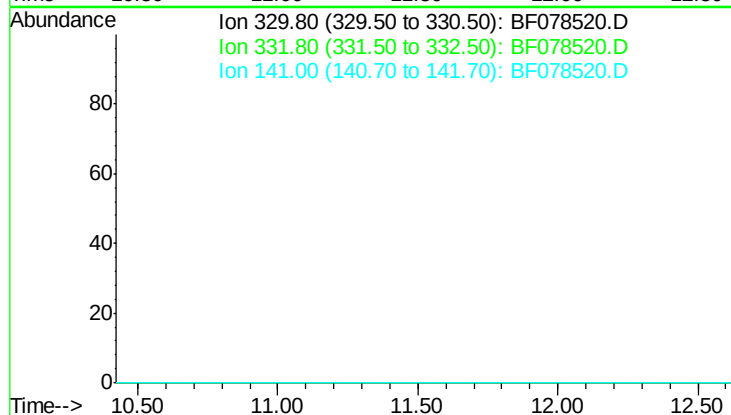




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 11.52 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

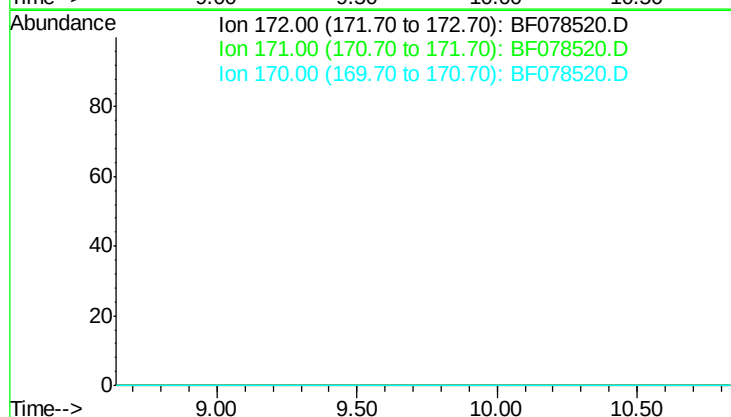
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03B

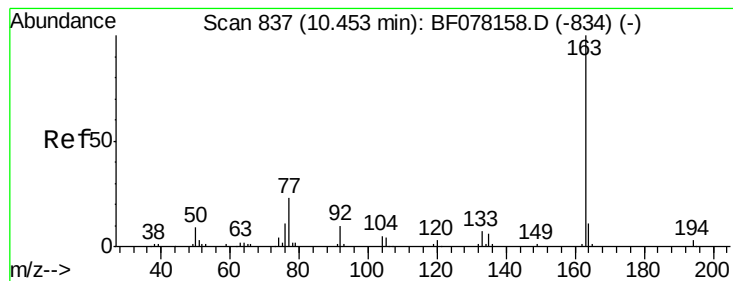
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 98.2
 141 39.0



#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 9.74 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 35.7
 170 23.1





#49

Dimethylphthalate

Concen: 4.37 ng

RT: 10.25 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

Instrument :

BNA_F

ClientSampleId :

HS-SB03B

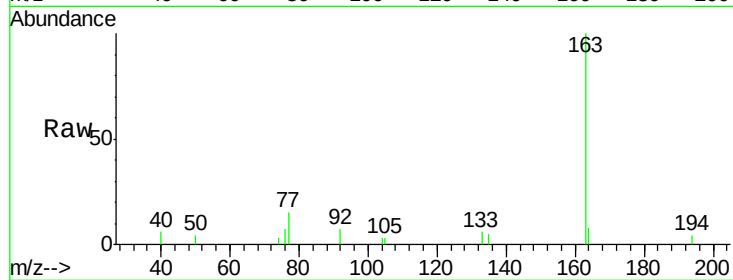
Tgt Ion:163 Resp: 14953

Ion Ratio Lower Upper

163 100

194 4.1 2.3 3.5#

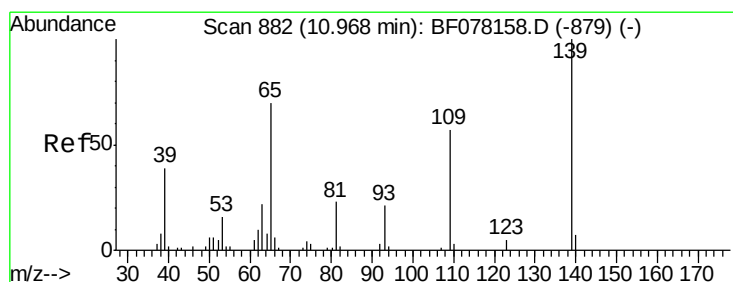
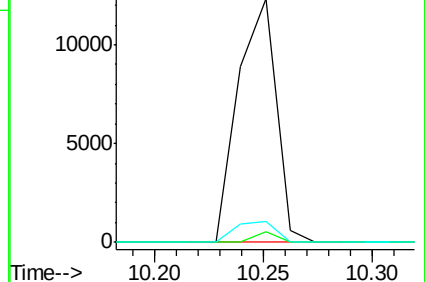
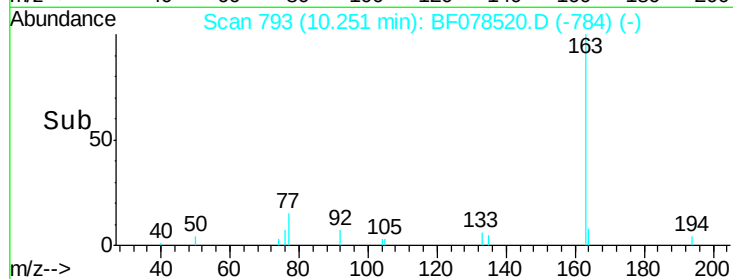
164 8.4 8.6 13.0#



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



#55

4-Nitrophenol

Concen: 3.17 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.03 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

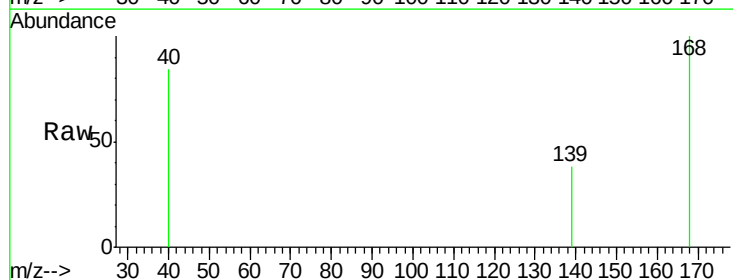
Tgt Ion:139 Resp: 248

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

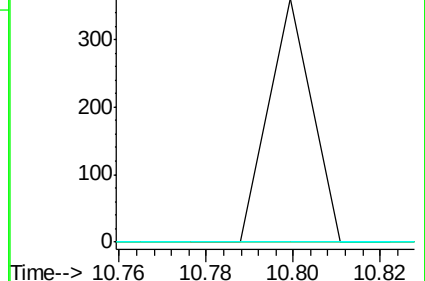
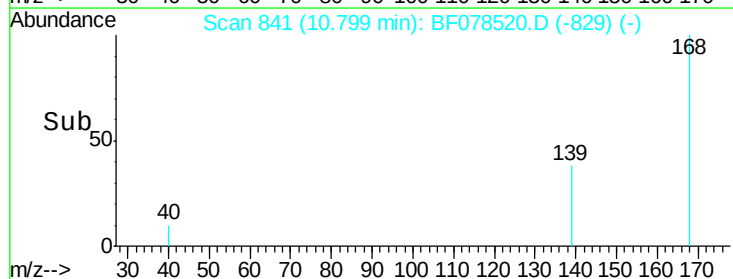
65 0.0 49.9 89.9#

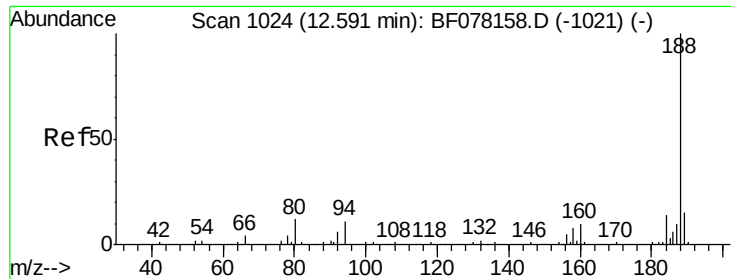


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

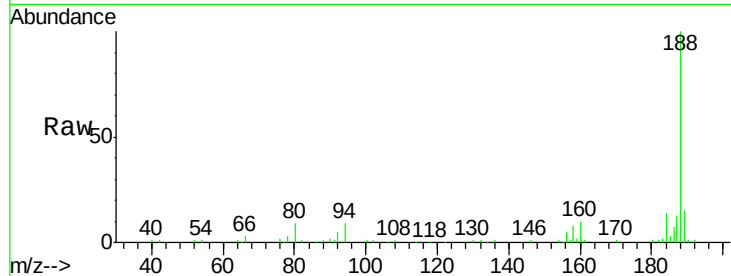




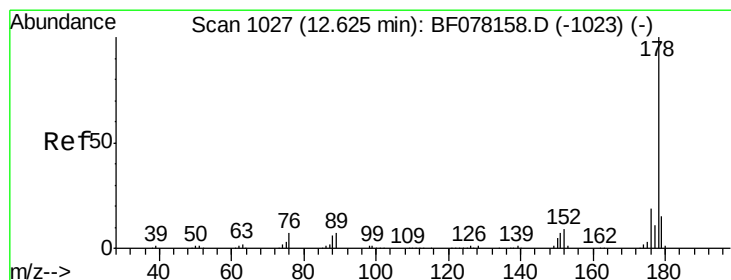
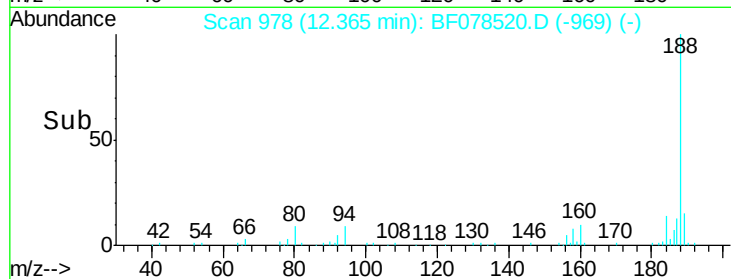
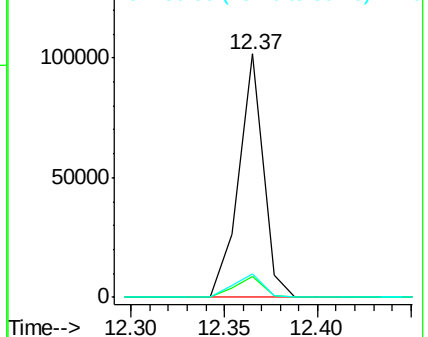
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF078520.D
Acq: 15 Apr 2015 1:15

Instrument :
BNA_F
ClientSampleId :
HS-SB03B

Tgt Ion:188 Resp: 94371
Ion Ratio Lower Upper
188 100
94 8.6 9.0 13.4#
80 9.4 9.5 14.3#

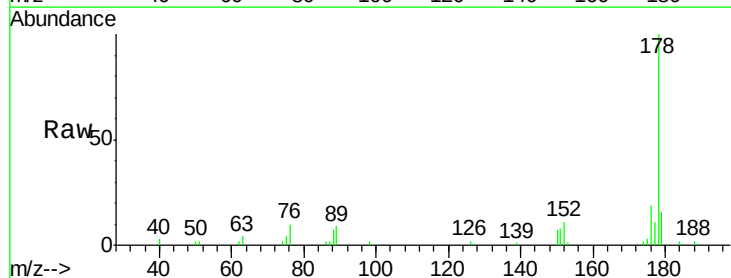


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

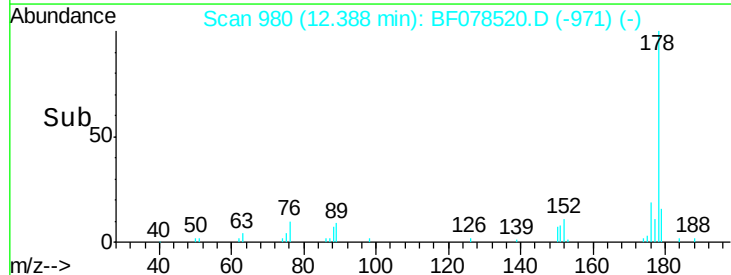
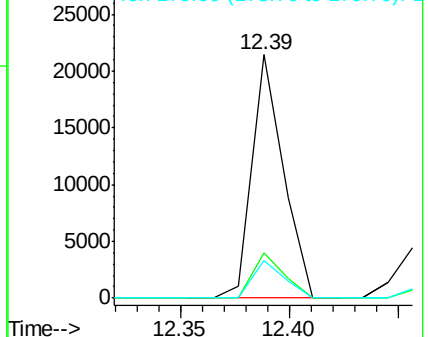


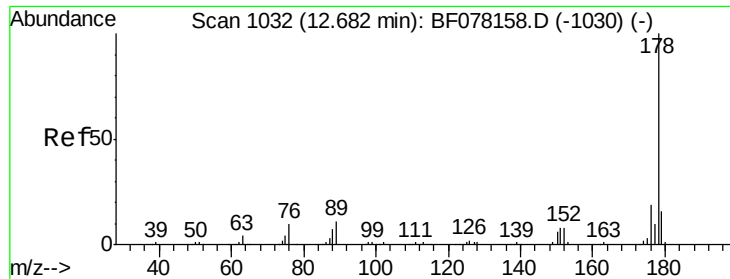
#70
Phenanthrene
Concen: 3.94 ng
RT: 12.39 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF078520.D
Acq: 15 Apr 2015 1:15

Tgt Ion:178 Resp: 21520
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.7 12.2 18.2



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

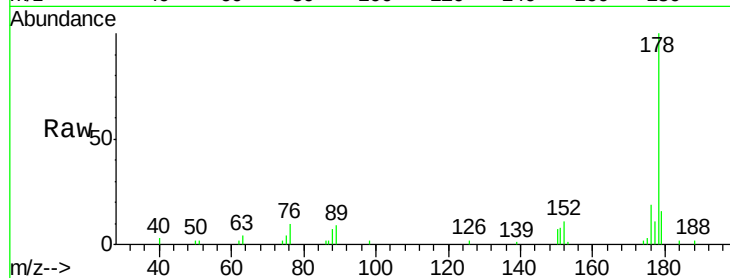




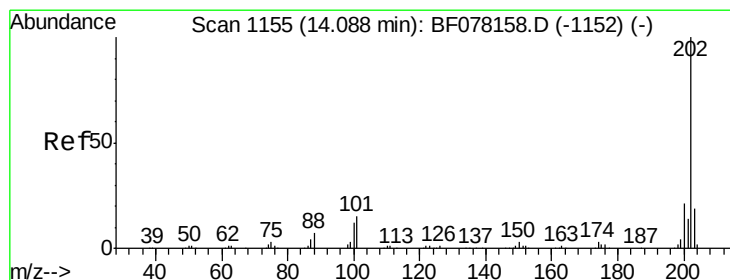
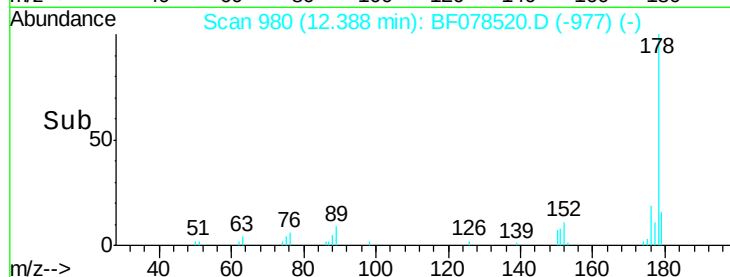
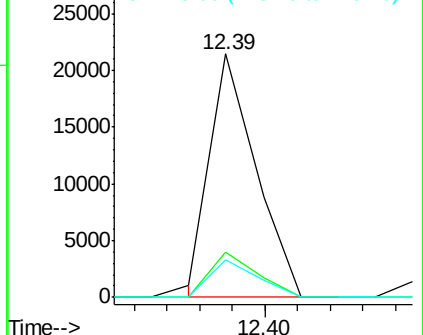
#71
 Anthracene
 Concen: 3.86 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.07 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03B

Tgt Ion:178 Resp: 20784
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.7 12.4 18.6

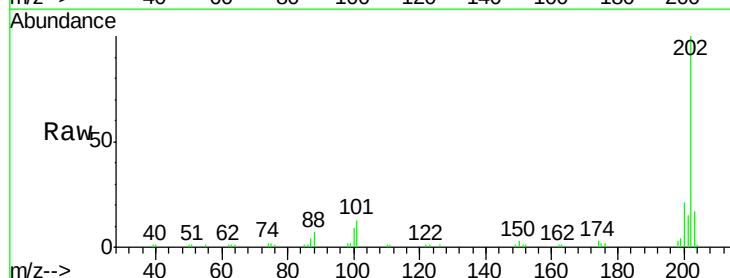


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

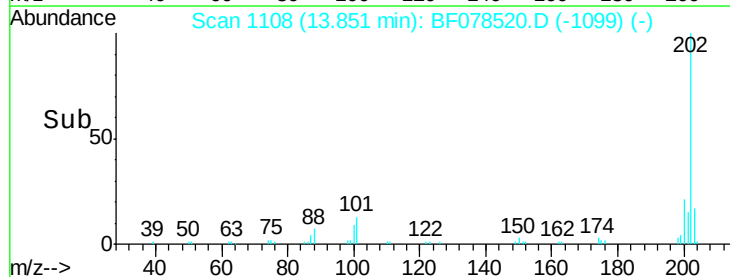
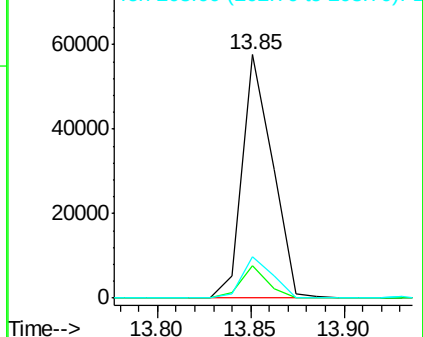


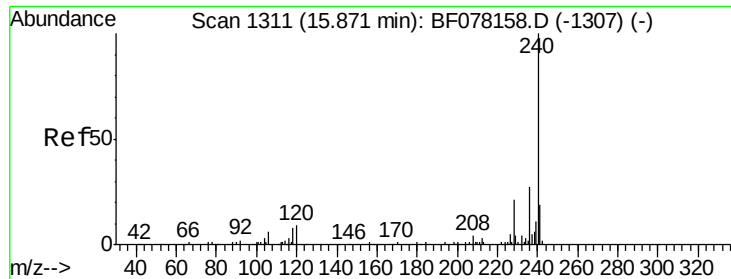
#74
 Fluoranthene
 Concen: 11.27 ng
 RT: 13.85 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

Tgt Ion:202 Resp: 64897
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 35.2
 203 17.2 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: 15.62 min Scan# 1263

Delta R.T. -0.03 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

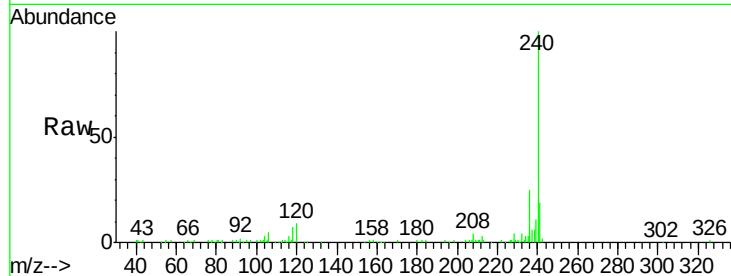
Instrument :

BNA_F

ClientSampleId :

HS-SB03B

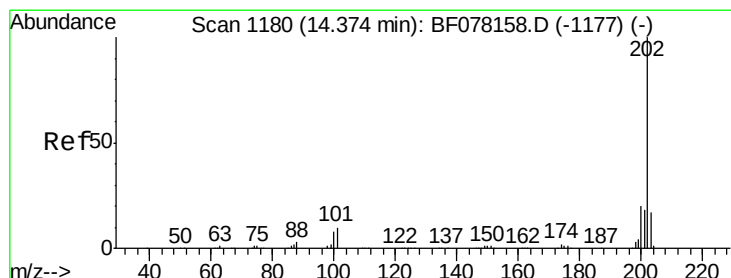
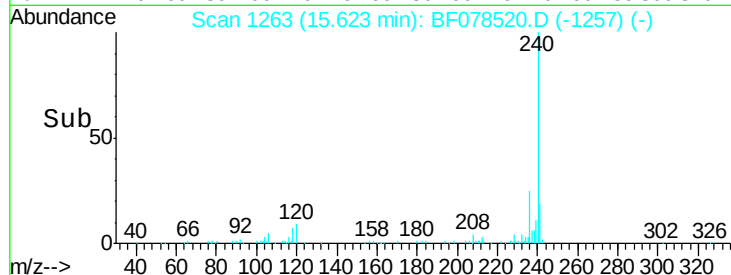
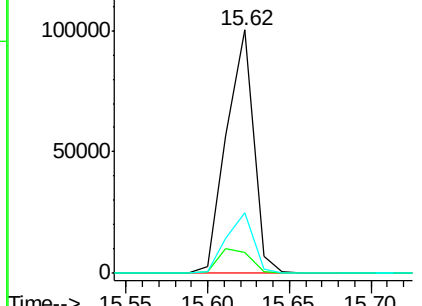
Tgt Ion:	240	Resp:	114907
Ion Ratio	Lower	Upper	
240	100		
120	8.7	7.1	10.7
236	24.9	21.4	32.2



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: 8.12 ng

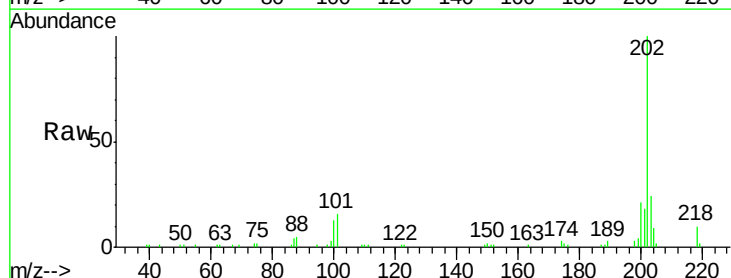
RT: 14.13 min Scan# 1132

Delta R.T. 0.00 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

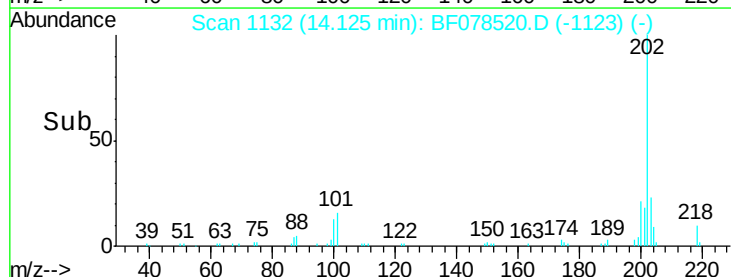
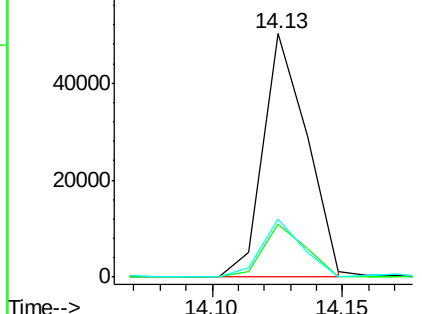
Tgt Ion:	202	Resp:	58538
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.3	24.5
203	23.9	13.8	20.6

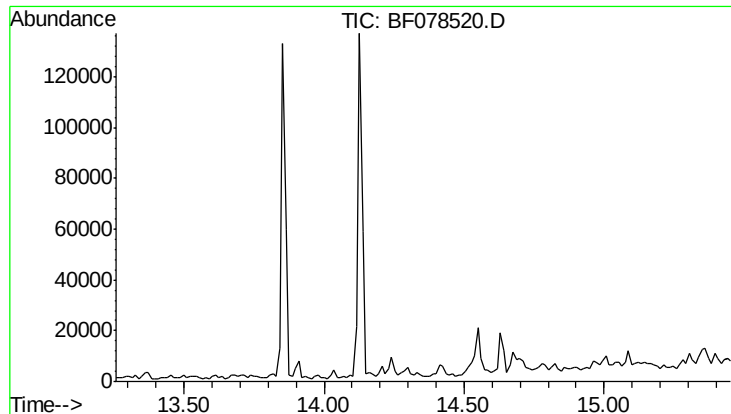


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

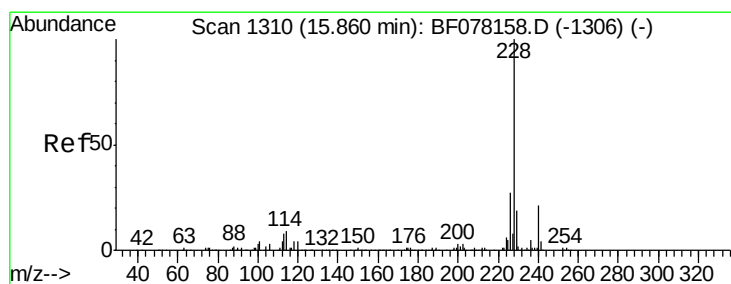
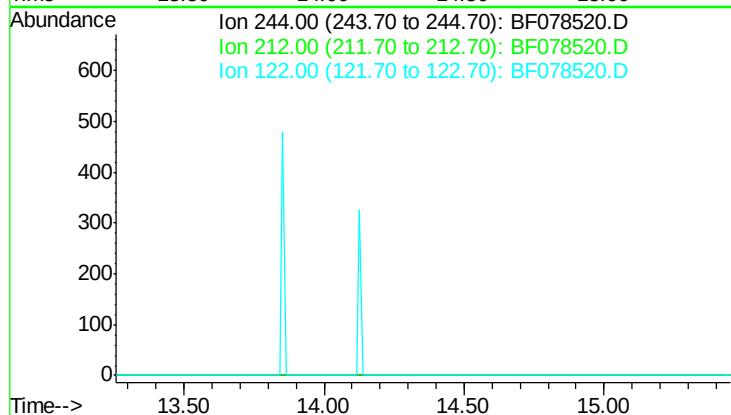




#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.35 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

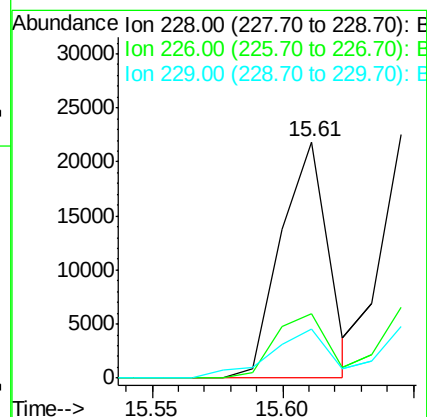
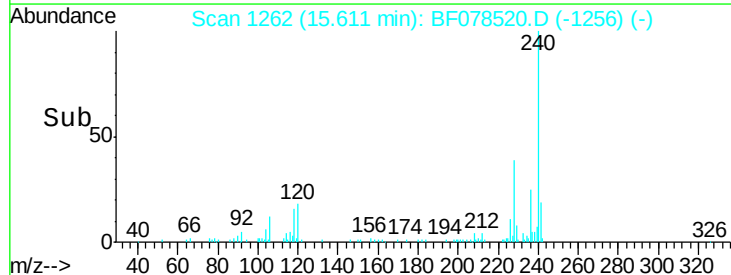
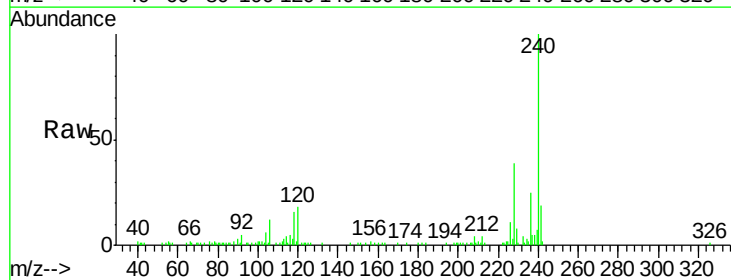
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03B

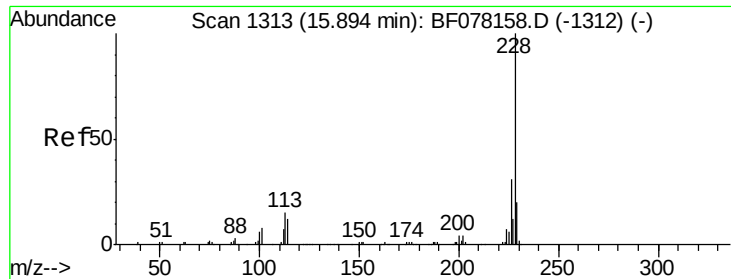
Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 6.2
 122 8.9



#80
 Benzo(a)anthracene
 Concen: 4.04 ng
 RT: 15.61 min Scan# 1262
 Delta R.T. -0.03 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

Tgt Ion: 228 Resp: 27592
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.3 31.9
 229 20.6 15.4 23.2





#82

Chrysene

Concen: 4.48 ng

RT: 15.65 min Scan# 1265

Delta R.T. -0.05 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

Instrument :

BNA_F

ClientSampleId :

HS-SB03B

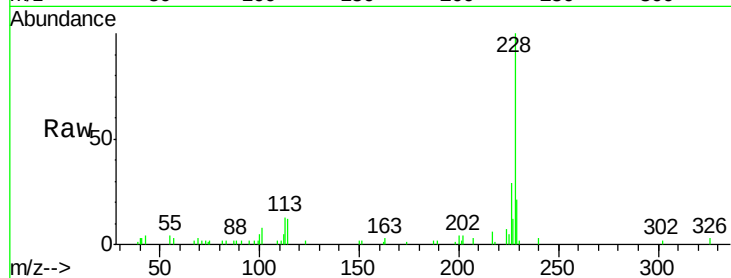
Tgt Ion: 228 Resp: 28781

Ion Ratio Lower Upper

228 100

226 28.9 24.2 36.4

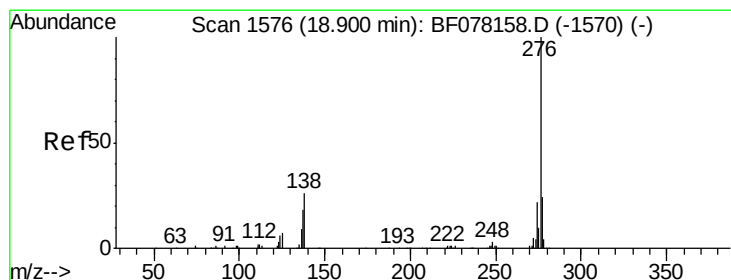
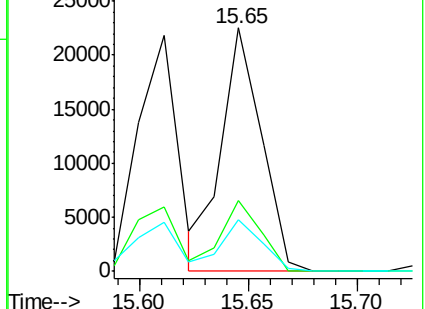
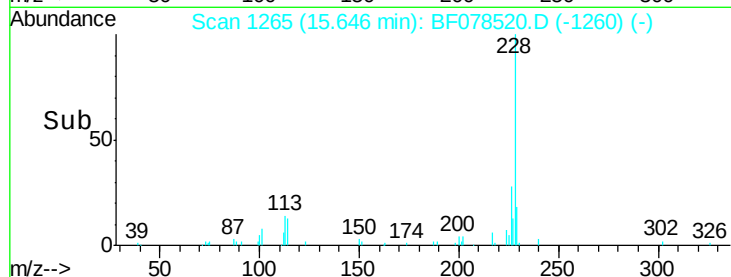
229 21.4 15.8 23.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.74 ng

RT: 18.80 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

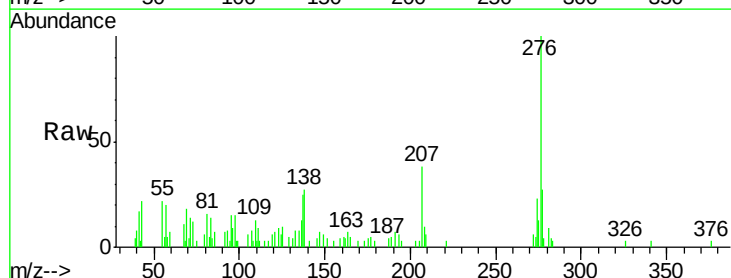
Tgt Ion: 276 Resp: 19964

Ion Ratio Lower Upper

276 100

138 28.9 16.9 25.3#

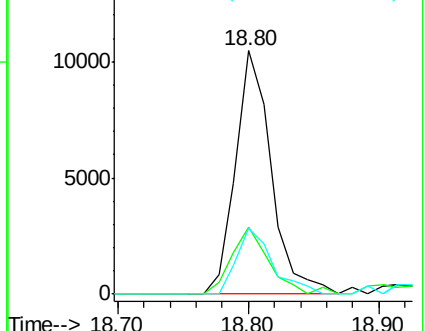
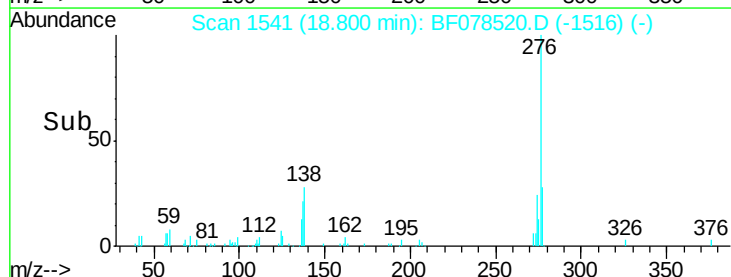
277 27.0 15.8 23.6#

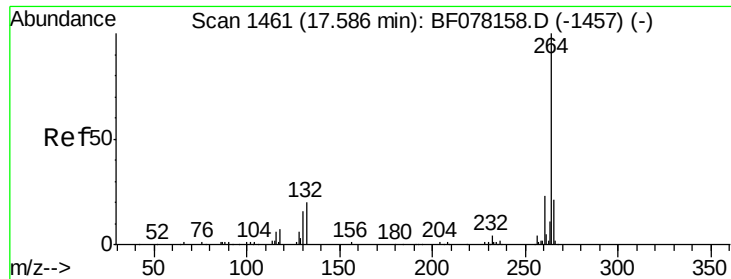


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

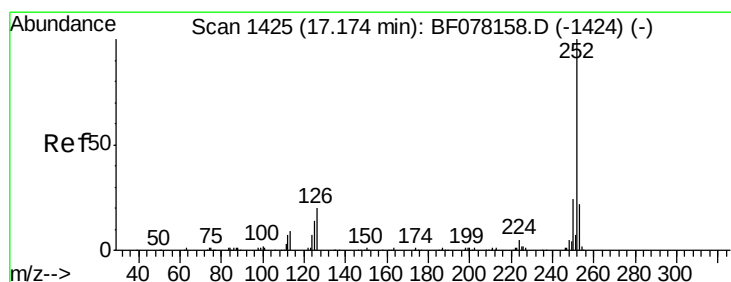
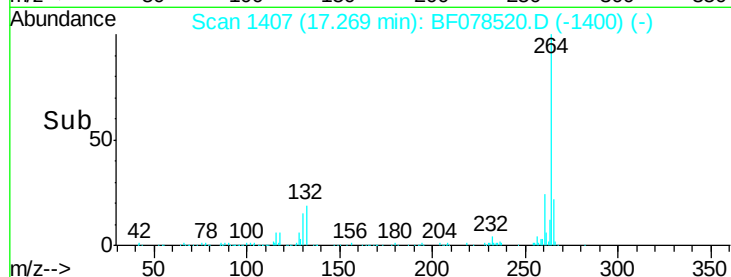
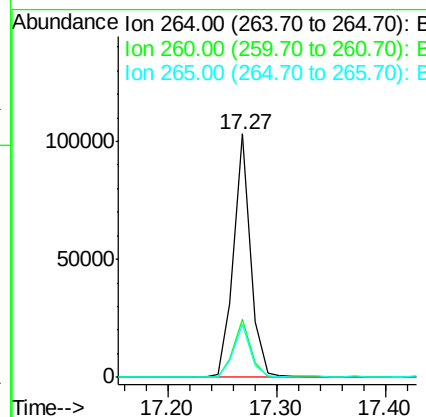
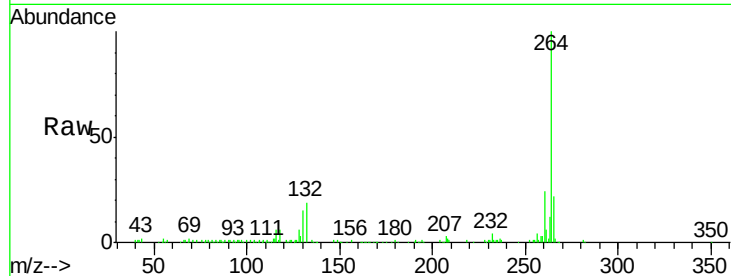




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.27 min Scan# 1407
Delta R.T. -0.22 min
Lab File: BF078520.D
Acq: 15 Apr 2015 1:15

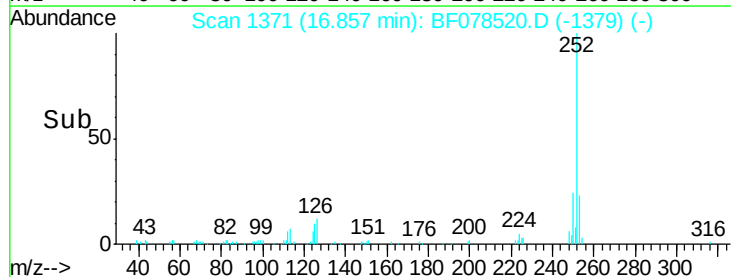
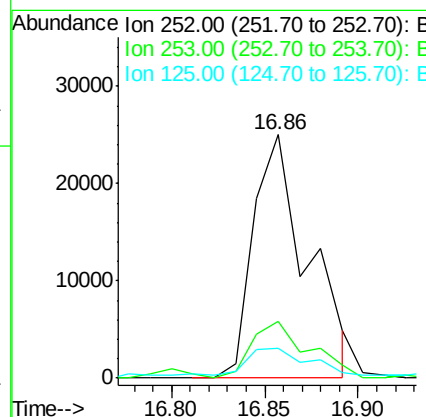
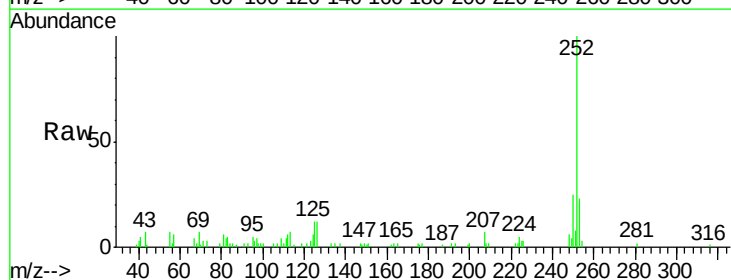
Instrument :
BNA_F
ClientSampleId :
HS-SB03B

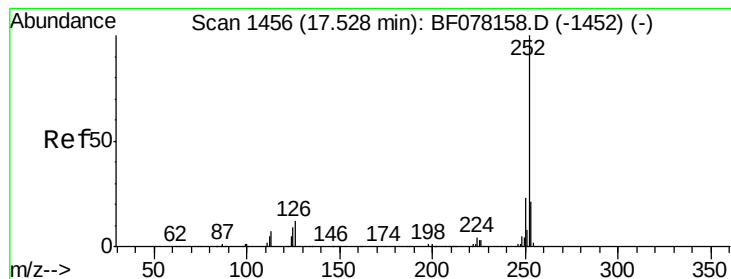
Tgt Ion: 264 Resp: 111844
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 22.0 17.0 25.6



#88
Benzo(k)fluoranthene
Concen: 8.23 ng
RT: 16.86 min Scan# 1371
Delta R.T. -0.19 min
Lab File: BF078520.D
Acq: 15 Apr 2015 1:15

Tgt Ion: 252 Resp: 50558
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 12.4 11.6 17.4





#89

Benzo(a)pyrene

Concen: 4.65 ng

RT: 17.21 min Scan# 1402

Delta R.T. -0.21 min

Lab File: BF078520.D

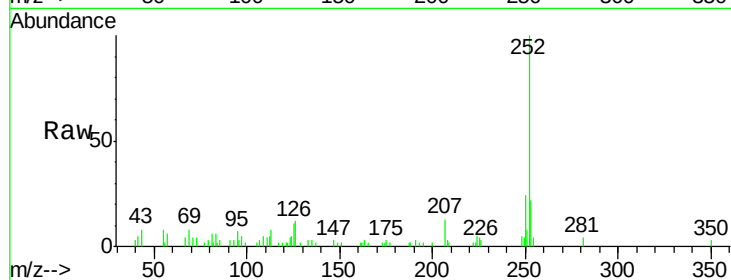
Acq: 15 Apr 2015 1:15

Instrument :

BNA_F

ClientSampleId :

HS-SB03B



Tgt Ion:252 Resp: 28068

Ion Ratio Lower Upper

252 100

253 22.3 16.8 25.2

125 10.6 7.4 11.0

