

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 03:19:44 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

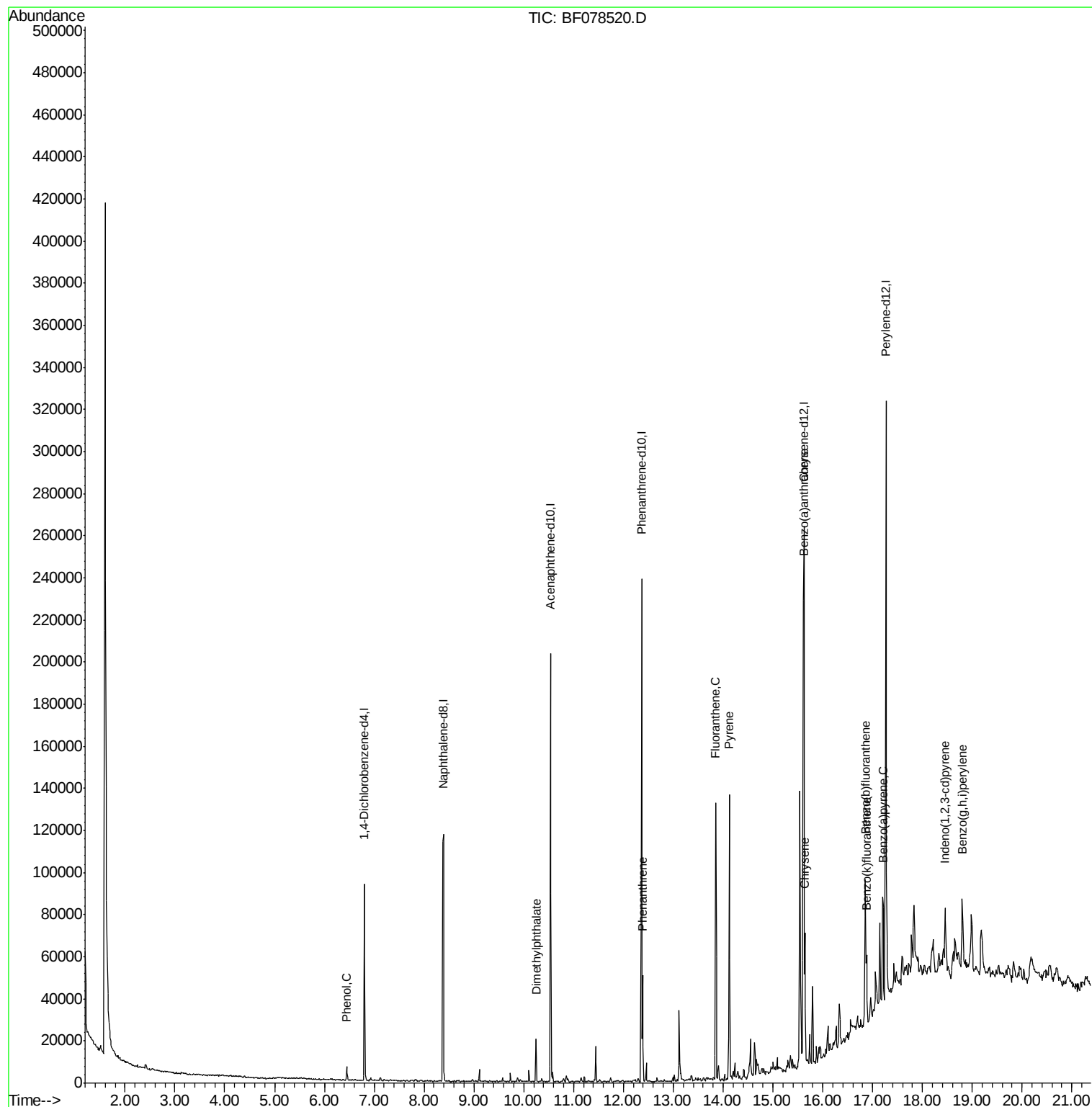
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	3987m	2.28	ng	
49) Dimethylphthalate	10.25	163	14953	4.37	ng	# 94
70) Phenanthrene	12.39	178	21520	3.94	ng	99
74) Fluoranthene	13.85	202	64897	11.27	ng	96
77) Pyrene	14.13	202	58538	8.12	ng	# 92
80) Benzo(a)anthracene	15.61	228	27592	4.04	ng	98
82) Chrysene	15.65	228	28781	4.48	ng	97
85) Indeno(1,2,3-cd)pyrene	18.46	276	20406m	2.80	ng	
87) Benzo(b)fluoranthene	16.86	252	38046m	5.50	ng	
88) Benzo(k)fluoranthene	16.88	252	12859m	2.09	ng	
89) Benzo(a)pyrene	17.21	252	28068	4.65	ng	97
91) Benzo(g,h,i)perylene	18.80	276	19964m	3.30	ng	

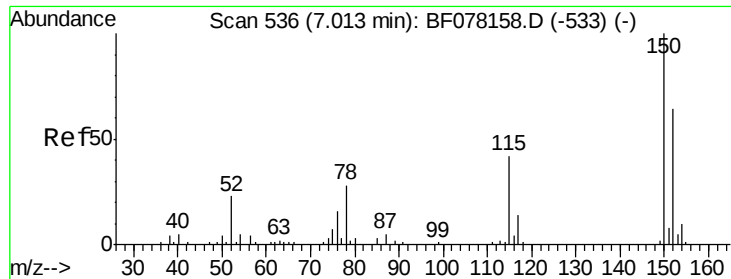
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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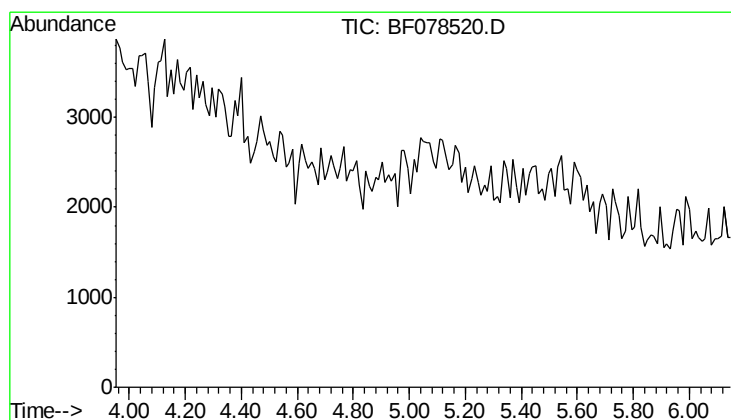
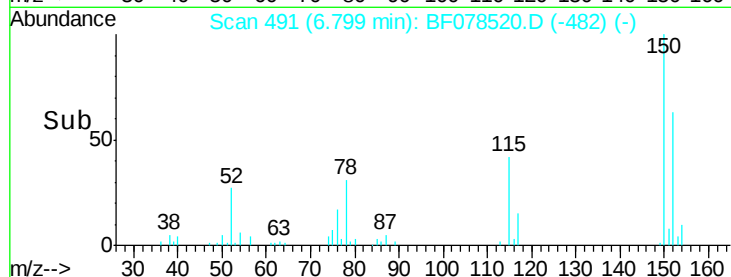
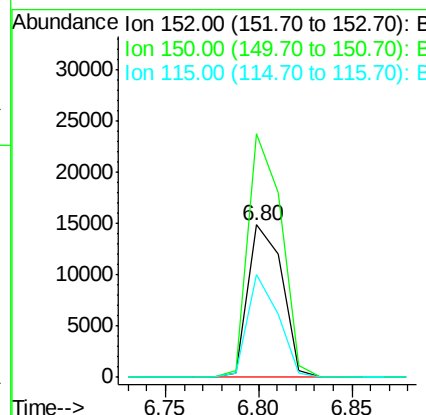
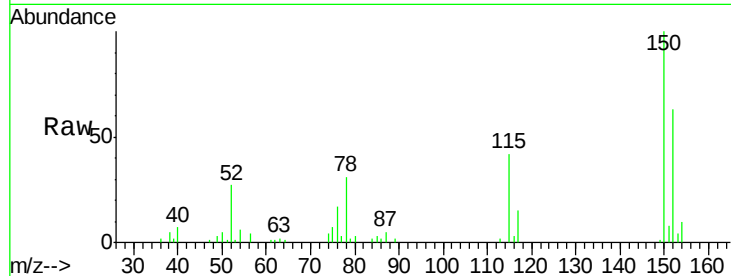




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03B

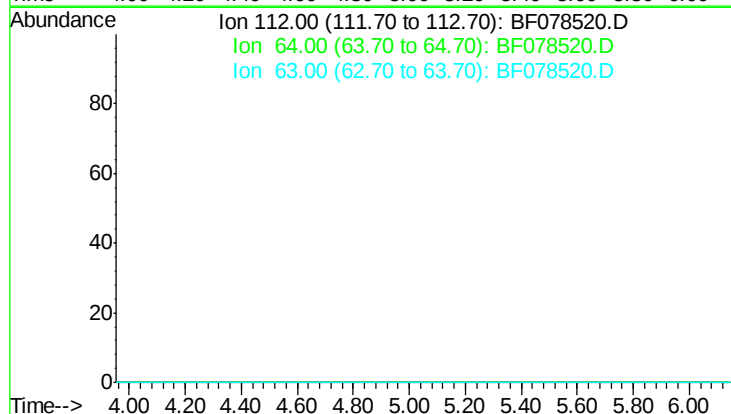
Tgt Ion:152 Resp: 19176
 Ion Ratio Lower Upper
 152 100
 150 159.7 125.9 188.9
 115 67.3 52.7 79.1

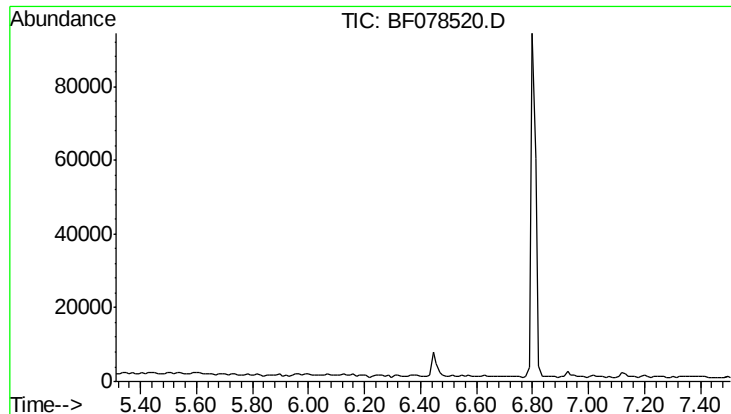


#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.05 min

Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

Tgt Ion: 112
 Sig 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

Instrument :

BNA_F

ClientSampleId :

HS-SB03B

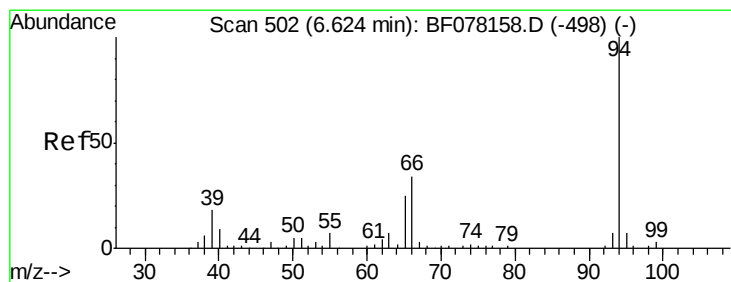
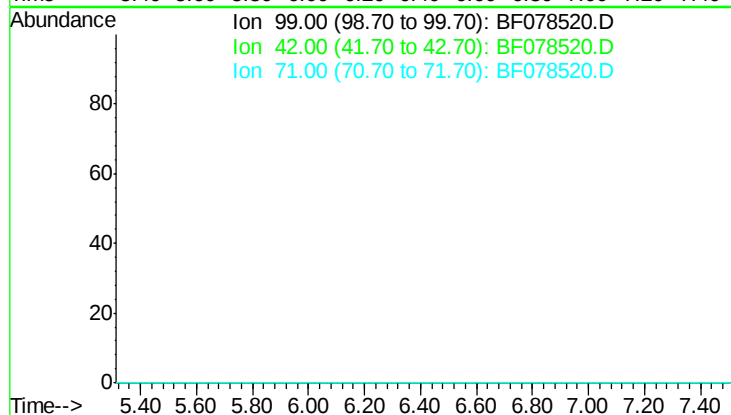
Tgt Ion: 99

Sig Exp Ratio

99 100

42 18.5

71 33.2



#10

Phenol

Concen: 2.28 ng m

RT: 6.44 min Scan# 460

Delta R.T. 0.02 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

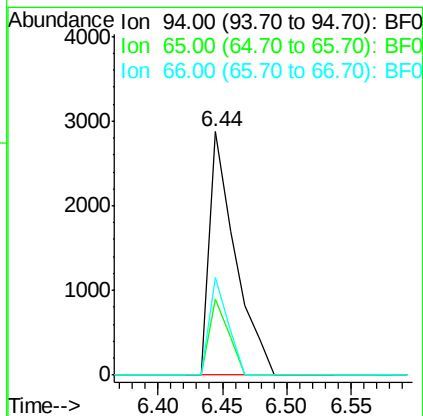
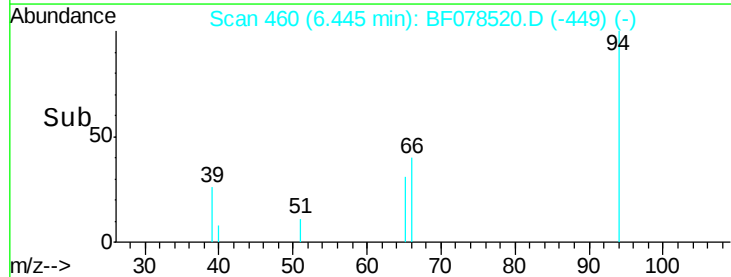
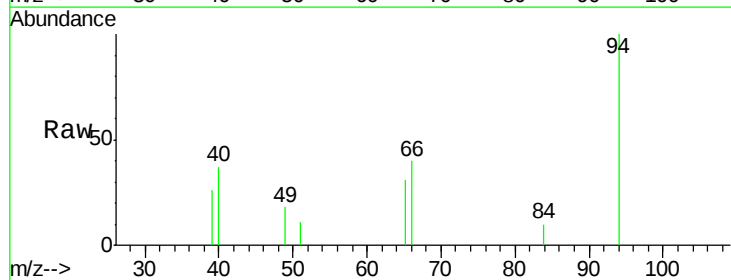
Tgt Ion: 94 Resp: 3987

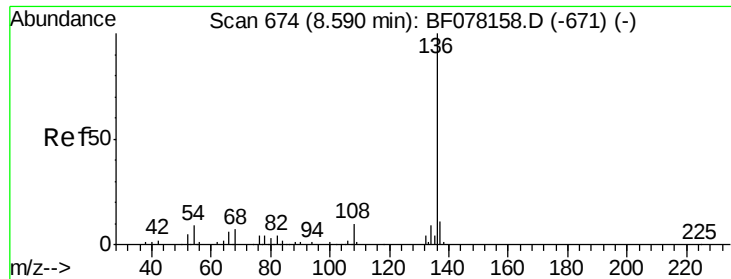
Ion Ratio Lower Upper

94 100

65 31.4 4.9 44.9

66 40.3 13.8 53.8





#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

Instrument :

BNA_F

ClientSampleId :

HS-SB03B

Tgt Ion:136 Resp: 84201

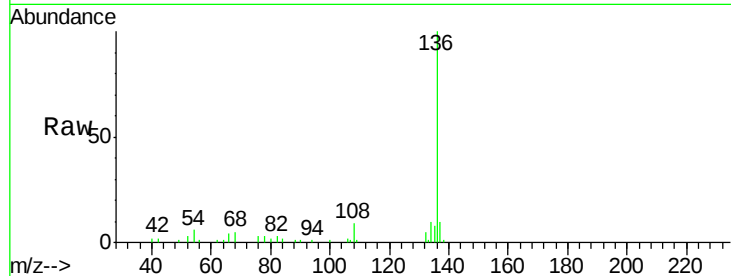
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 5.7 7.0 10.6#

68 4.8 5.4 8.2#

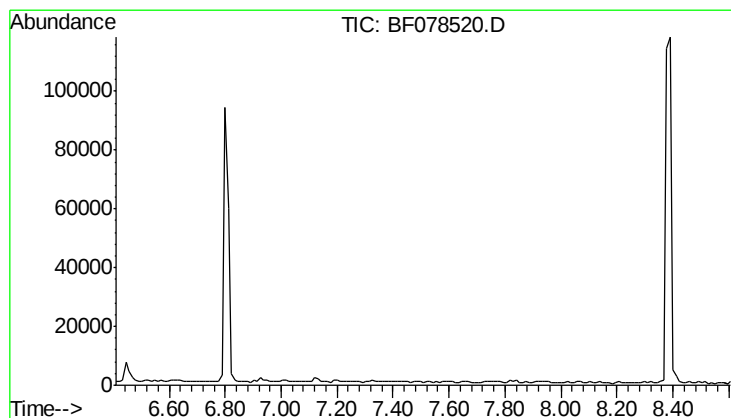
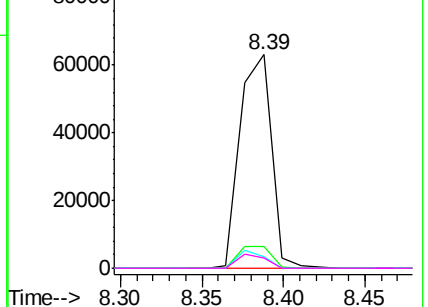
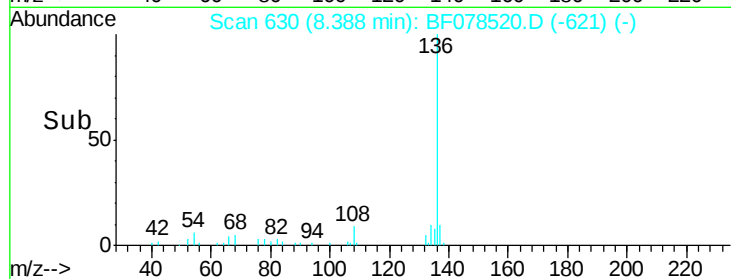


Abundance Ion 136.00 (135.70 to 136.70): E

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

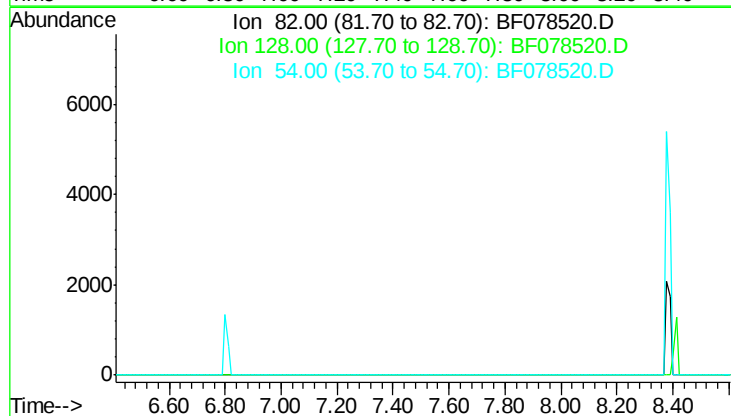
Tgt Ion: 82

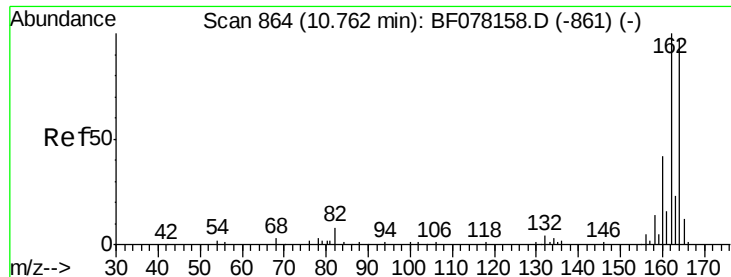
Sig Exp Ratio

82 100

128 39.8

54 51.9





#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

Instrument :

BNA_F

ClientSampleId :

HS-SB03B

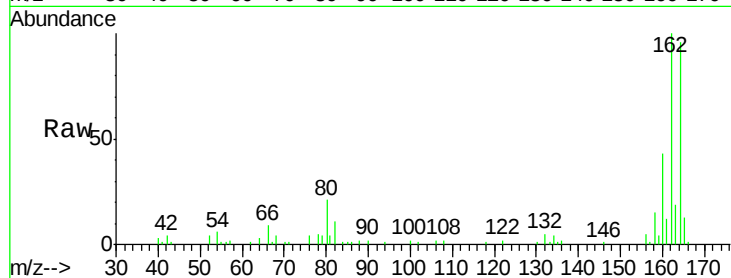
Tgt Ion:164 Resp: 45553

Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.2

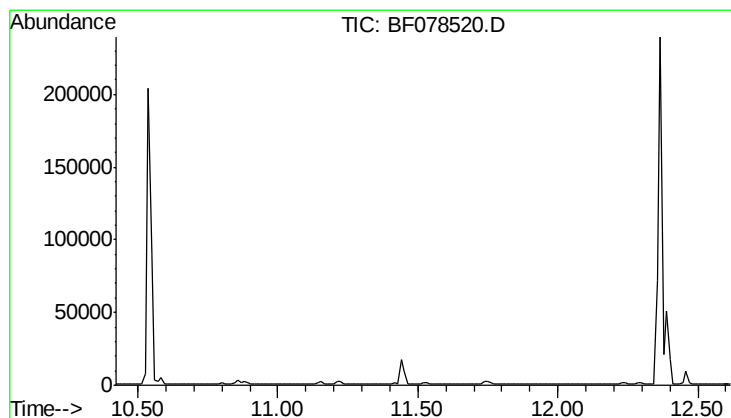
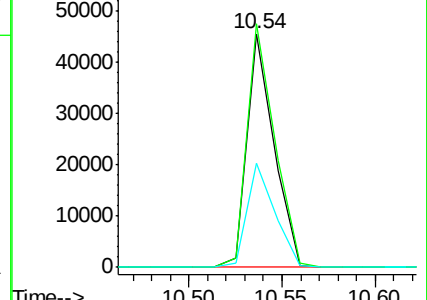
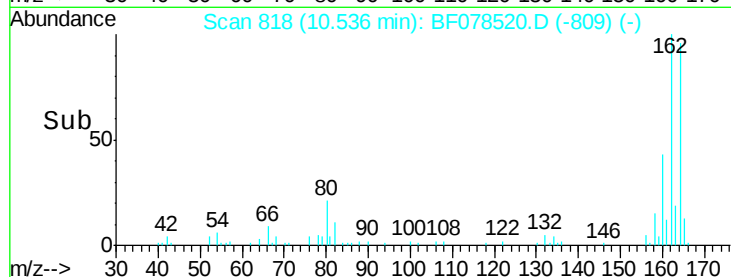
160 44.3 34.7 52.1



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: 0.00 ng

Expected RT: 11.52 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

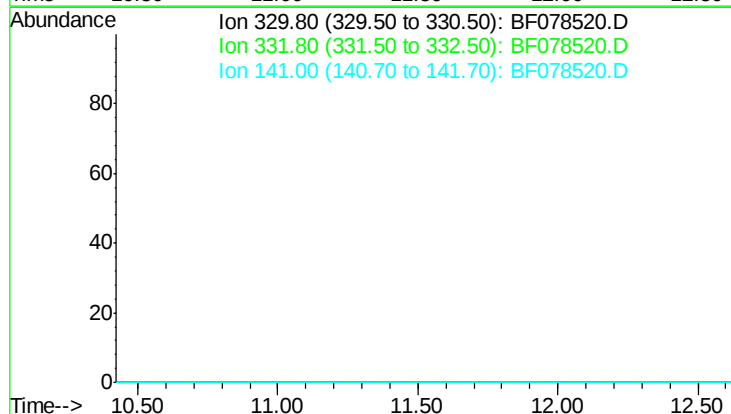
Tgt Ion: 330

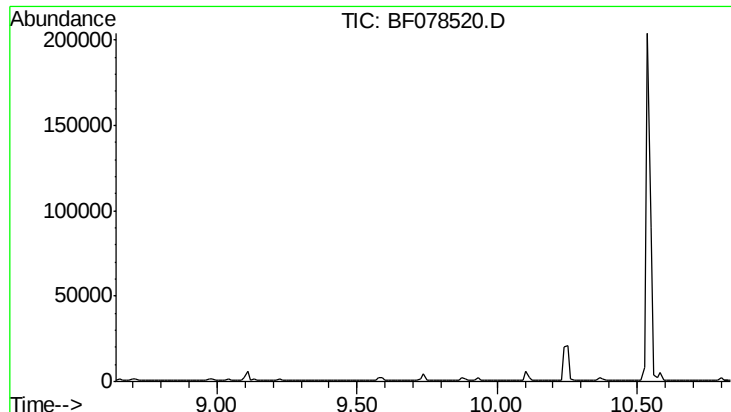
Sig Exp Ratio

330 100

332 98.2

141 39.0

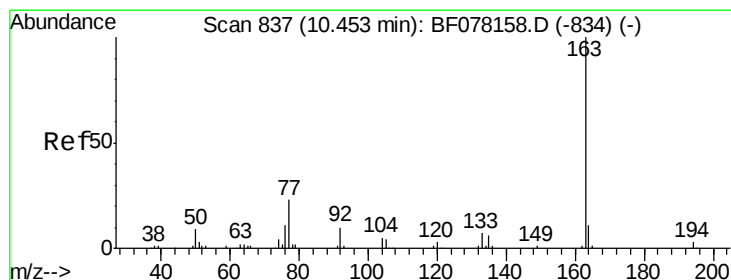
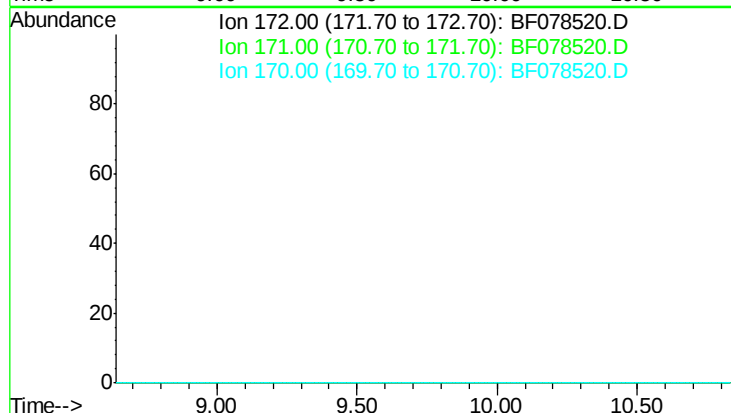




#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 9.74 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

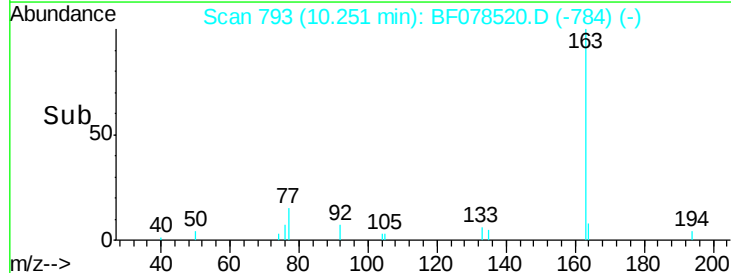
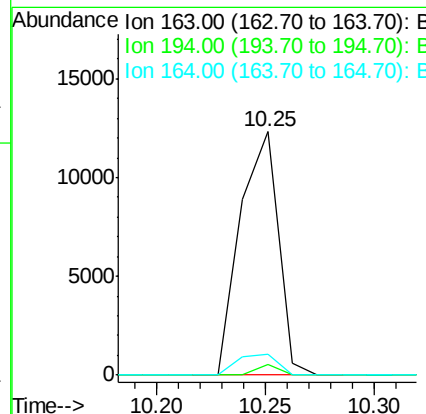
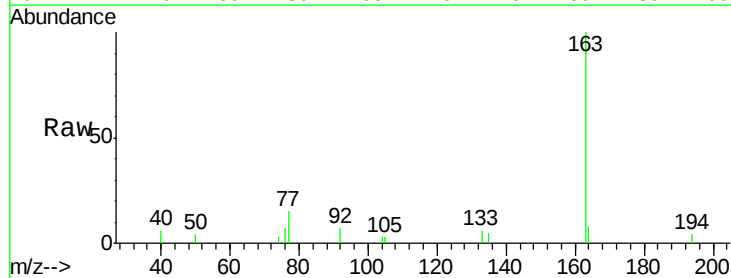
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03B

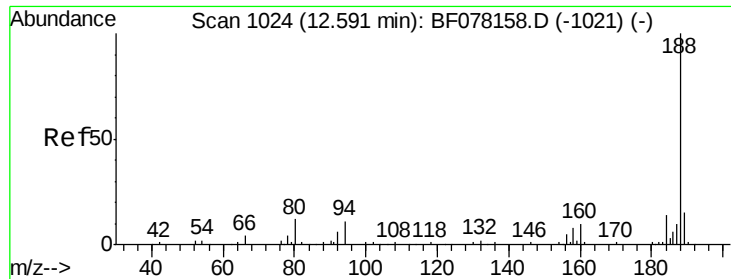
Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 35.7
 170 23.1



#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

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#

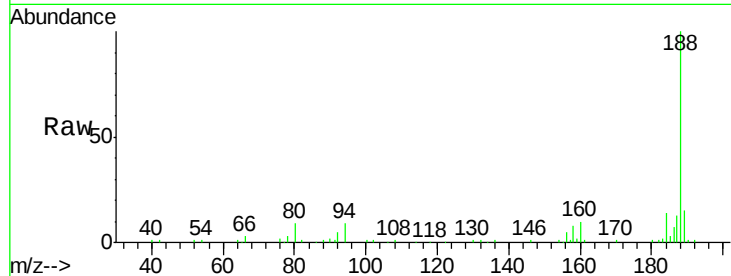




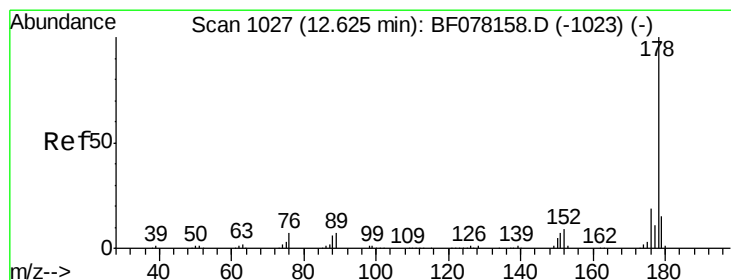
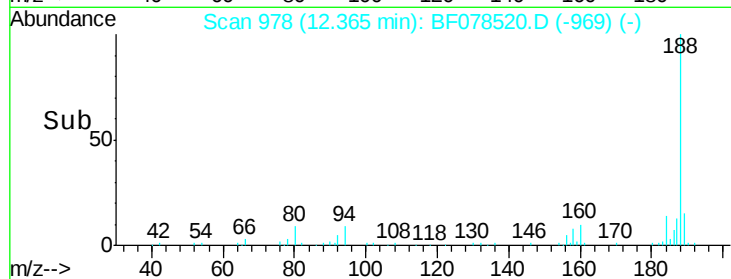
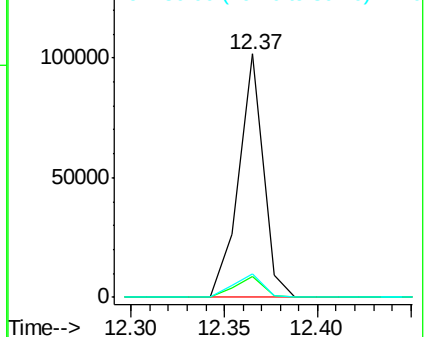
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF078520.D
Acq: 15 Apr 2015 1:15

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#

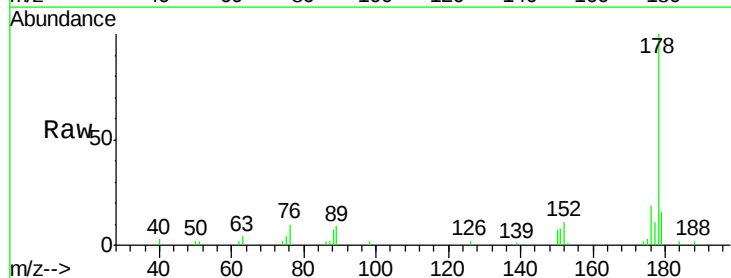


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

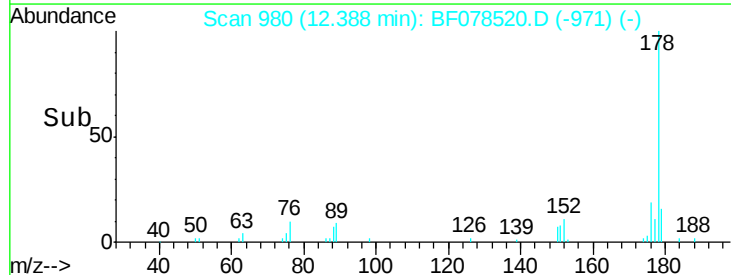
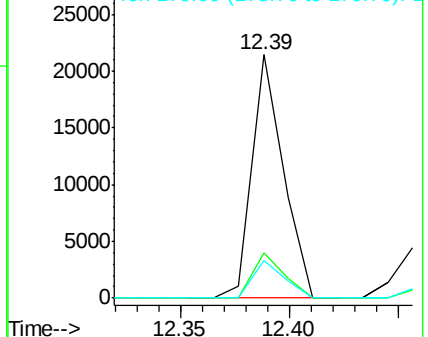


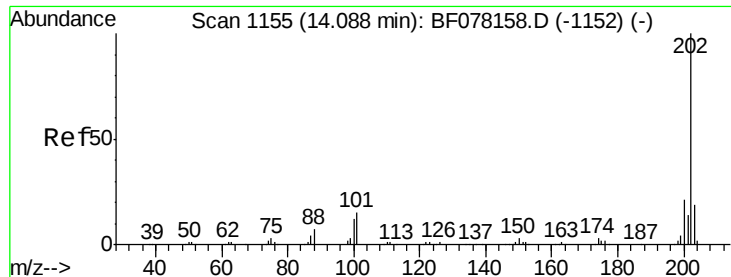
#70
Phenanthrene
Concen: 3.94 ng
RT: 12.39 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF078520.D
Acq: 15 Apr 2015 1:15

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

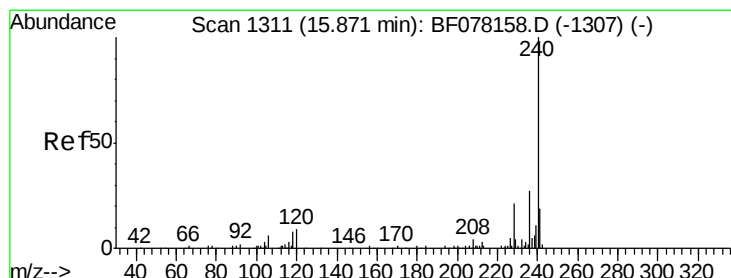
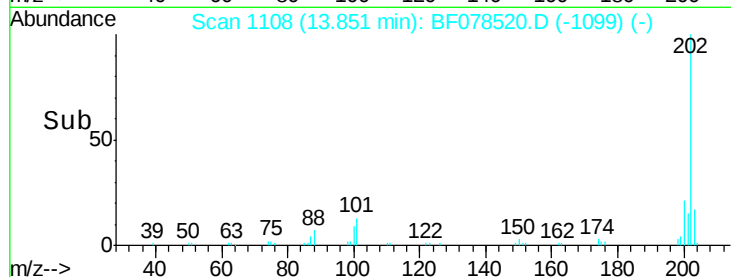
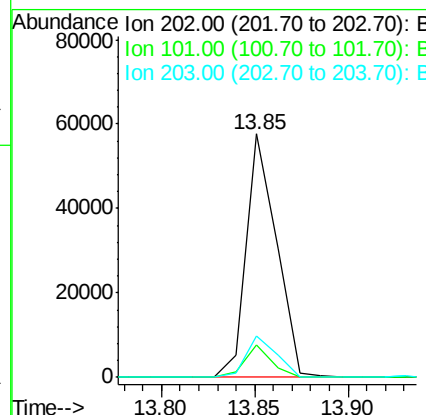
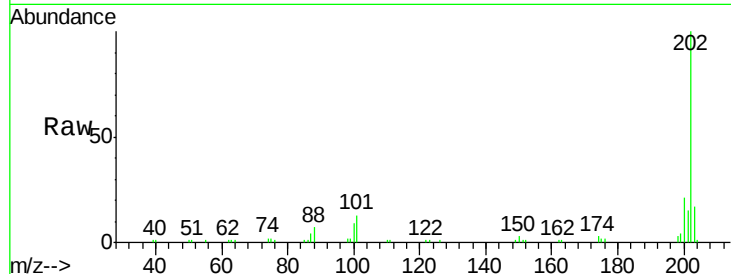




#74
 Fluoranthene
 Concen: 11.27 ng
 RT: 13.85 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

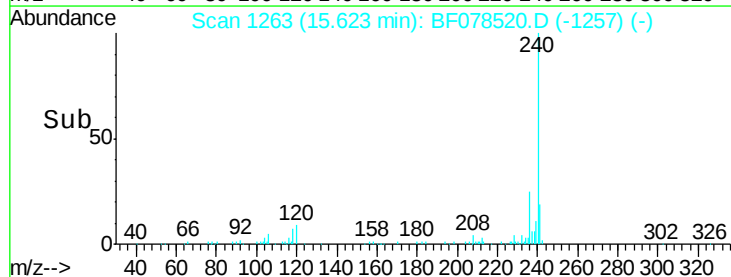
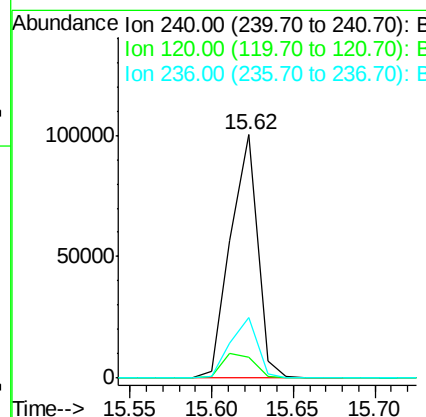
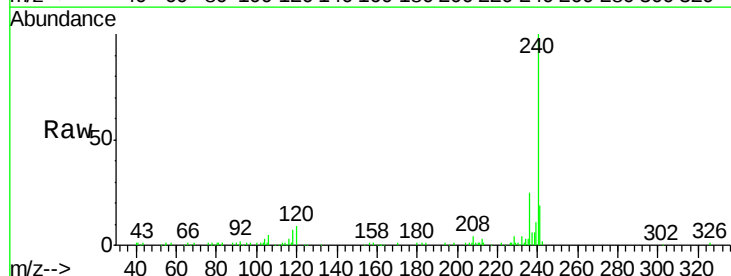
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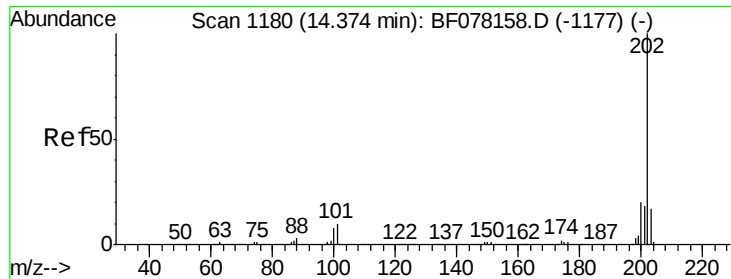
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	35.2
203	17.2	0.0	38.5



#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

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

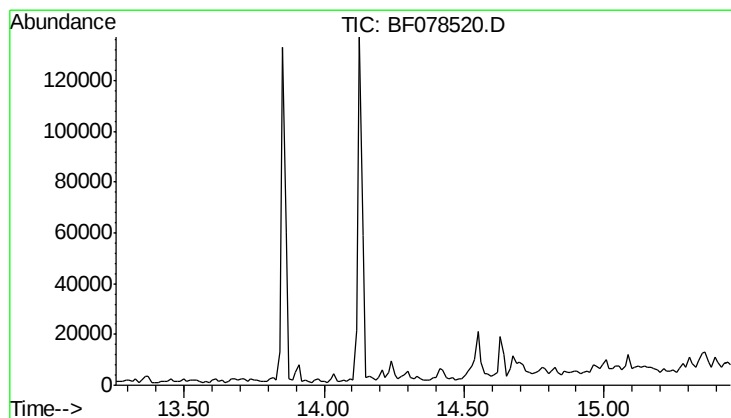
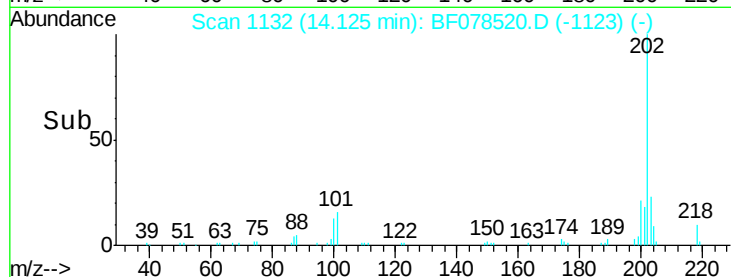
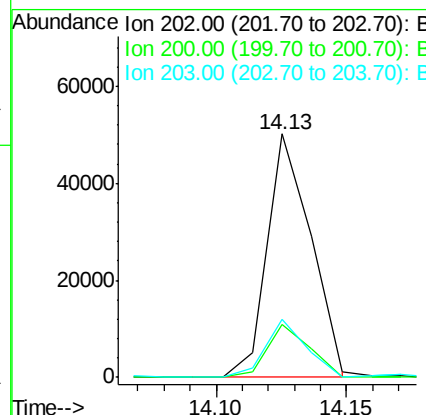
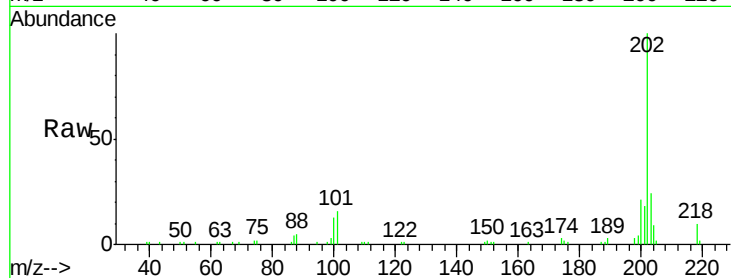




#77
 Pyrene
 Concen: 8.12 ng
 RT: 14.13 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

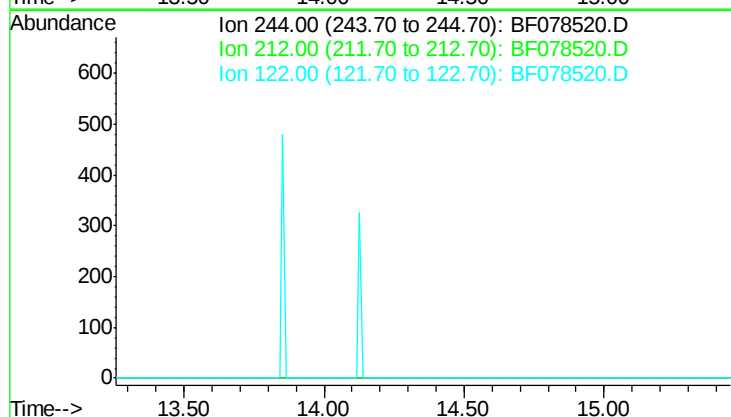
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03B

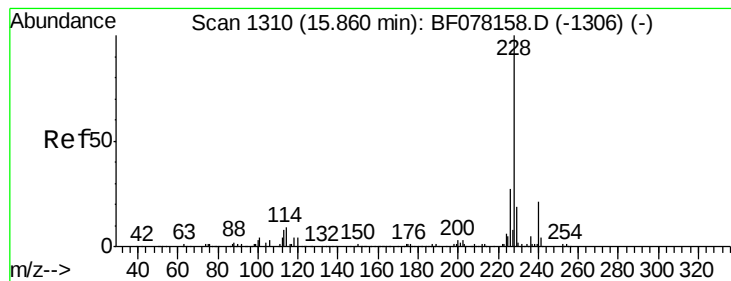
Tgt Ion: 202 Resp: 58538
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.3 24.5
 203 23.9 13.8 20.6#



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

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

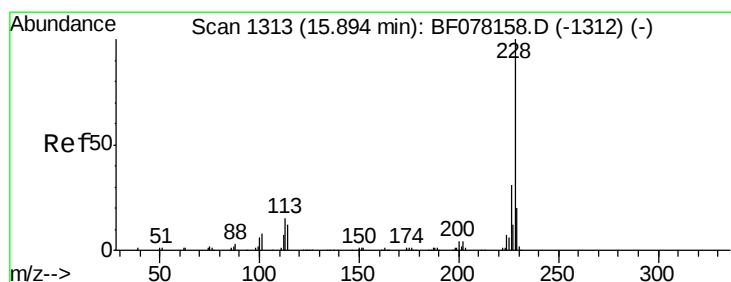
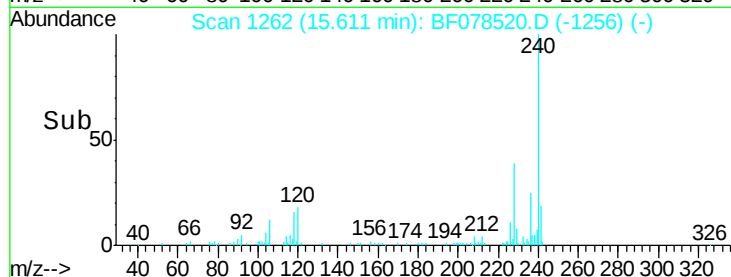
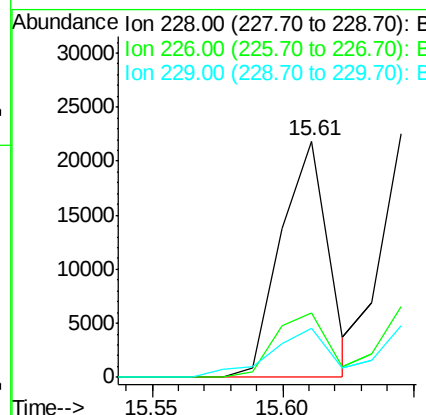
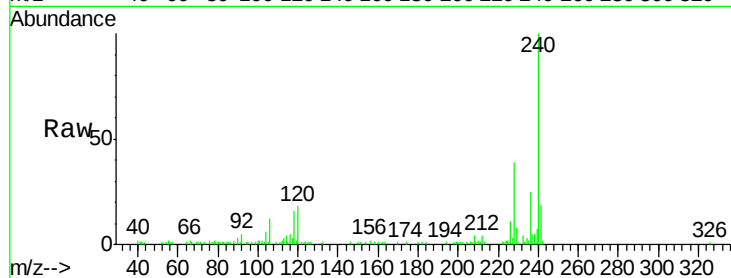




#80
Benzo(a)anthracene
Concen: 4.04 ng
RT: 15.61 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BF078520.D
Acq: 15 Apr 2015 1:15

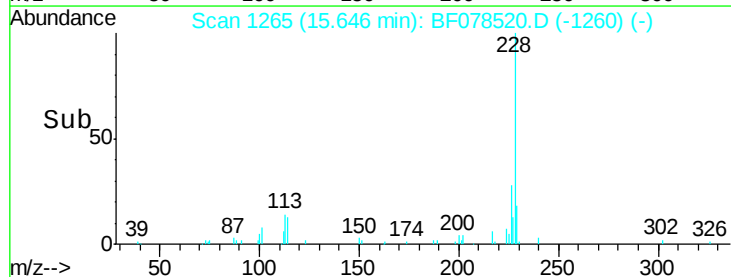
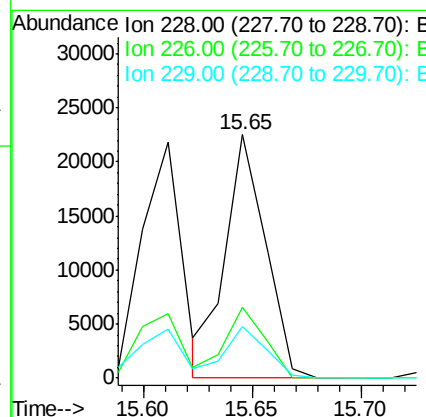
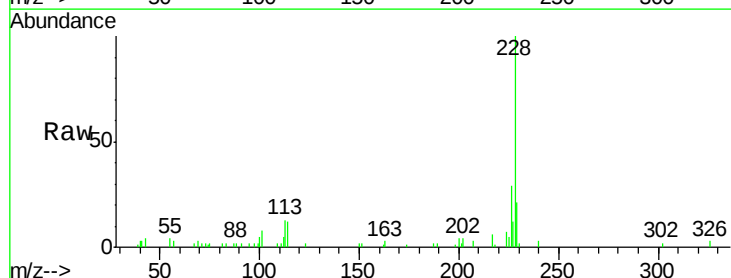
Instrument :
BNA_F
ClientSampleId :
HS-SB03B

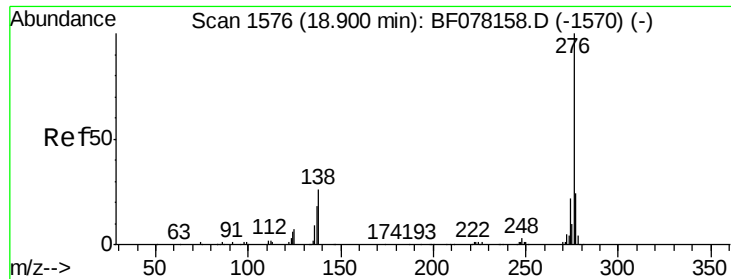
Tgt Ion: 228 Resp: 27592
Ion Ratio Lower Upper
228 100
226 27.2 21.3 31.9
229 20.6 15.4 23.2



#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

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

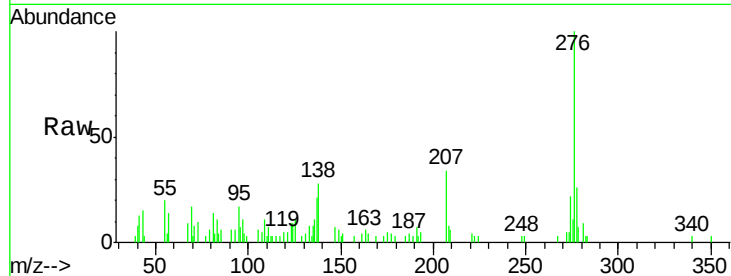




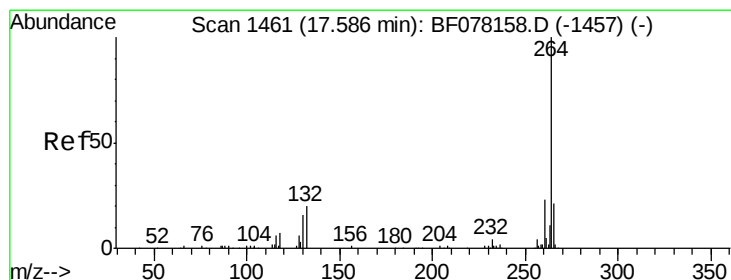
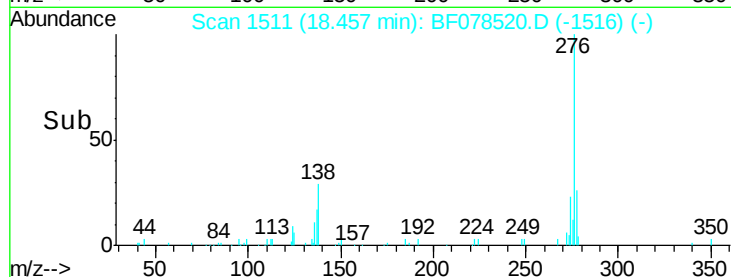
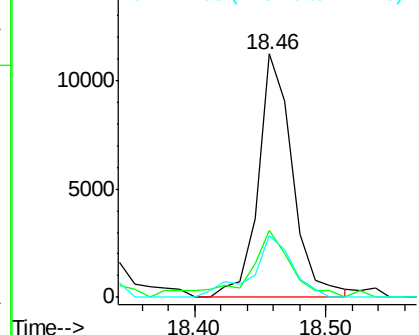
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.80 ng m
 RT: 18.46 min Scan# 1511
 Delta R.T. -0.35 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB03B

Tgt Ion: 276 Resp: 20406
 Ion Ratio Lower Upper
 276 100
 138 28.2 16.9 25.3#
 277 26.4 15.8 23.6#

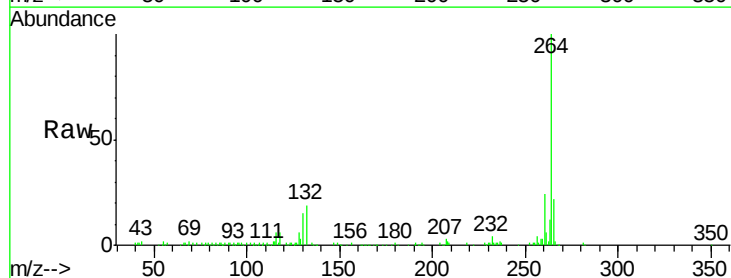


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

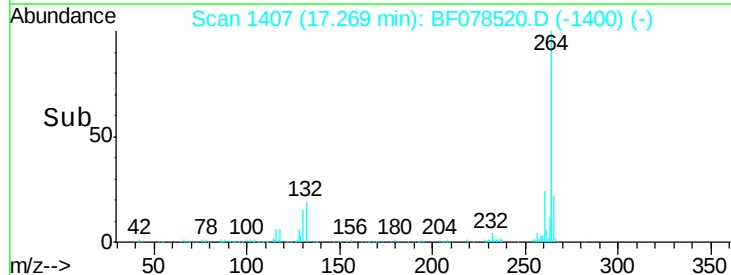
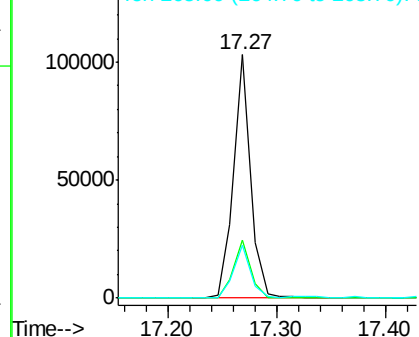


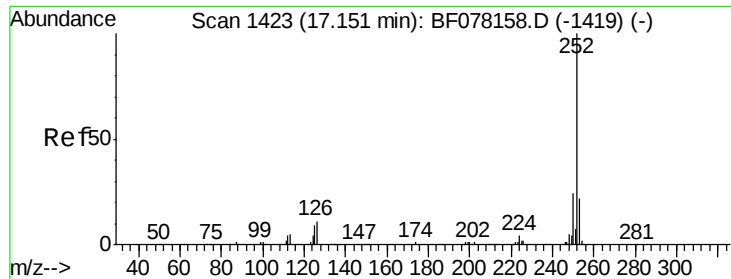
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.27 min Scan# 1407
 Delta R.T. -0.22 min
 Lab File: BF078520.D
 Acq: 15 Apr 2015 1:15

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



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: 5.50 ng m

RT: 16.86 min Scan# 1371

Delta R.T. -0.16 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

Instrument :

BNA_F

ClientSampleId :

HS-SB03B

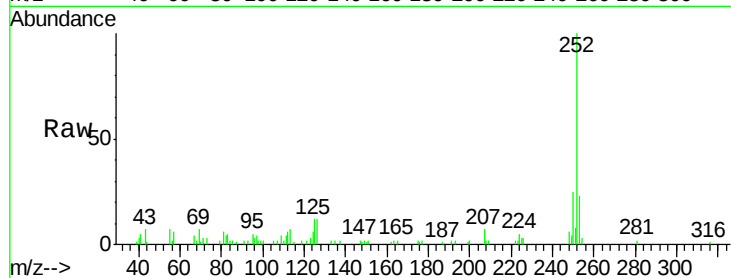
Tgt Ion:252 Resp: 38046

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

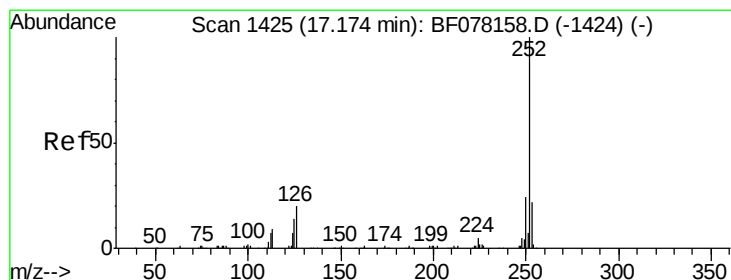
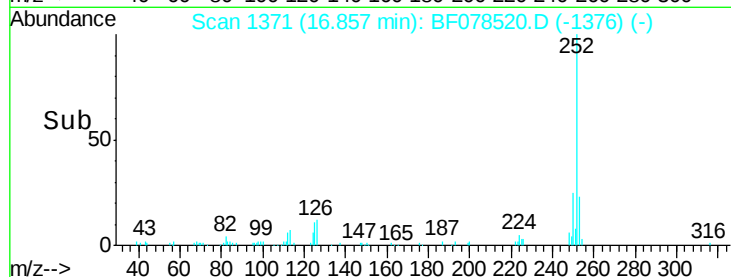
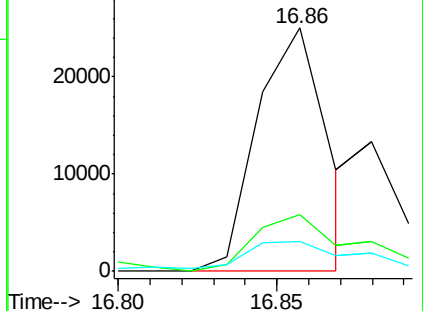
125 12.4 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.09 ng m

RT: 16.88 min Scan# 1373

Delta R.T. -0.17 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

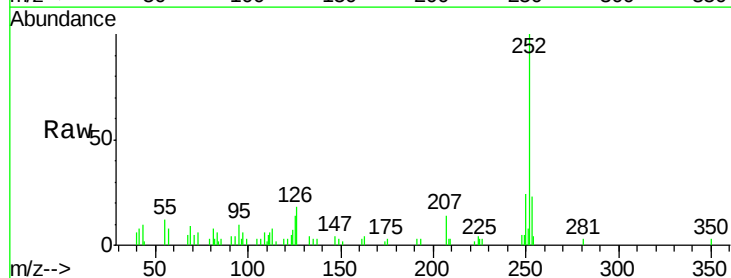
Tgt Ion:252 Resp: 12859

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

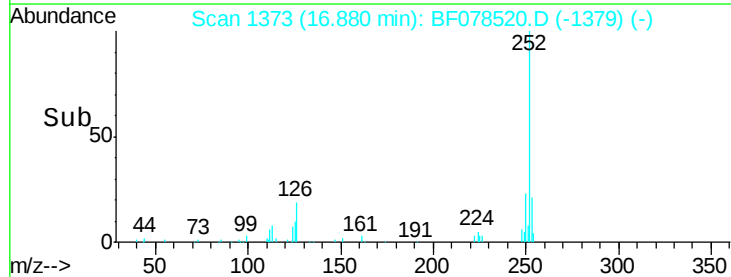
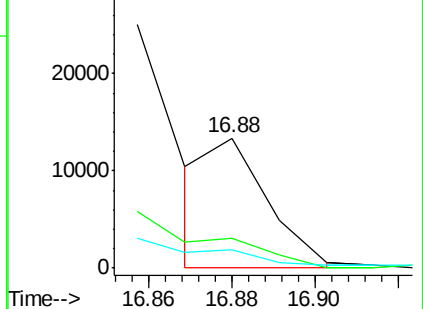
125 13.6 11.6 17.4

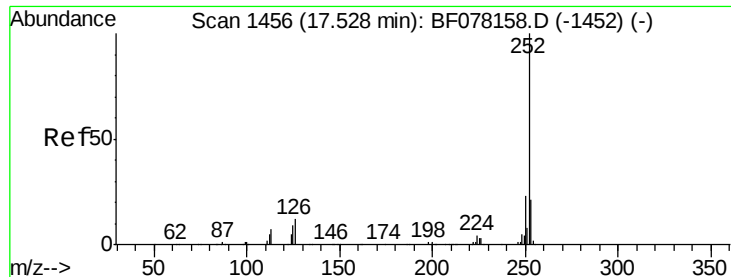


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 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

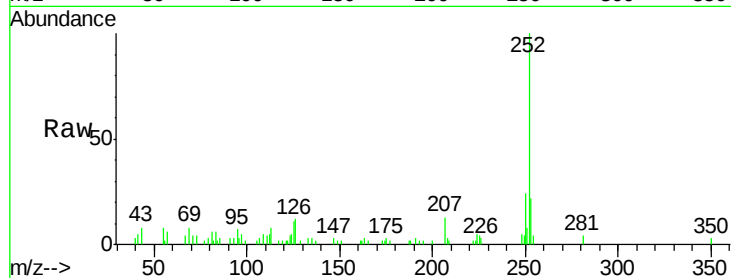
Tgt Ion:252 Resp: 28068

Ion Ratio Lower Upper

252 100

253 22.3 16.8 25.2

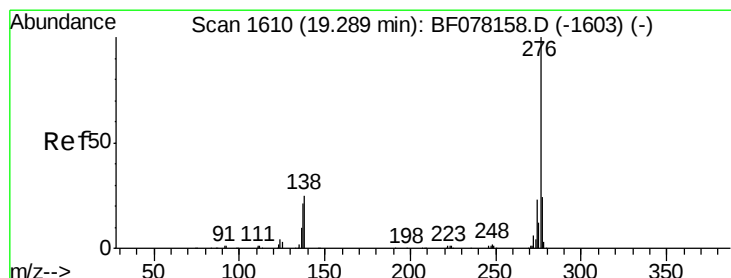
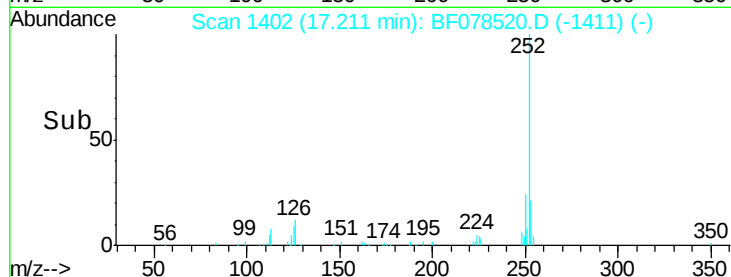
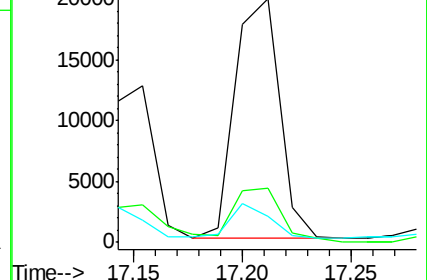
125 10.6 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.30 ng m

RT: 18.80 min Scan# 1541

Delta R.T. -0.35 min

Lab File: BF078520.D

Acq: 15 Apr 2015 1:15

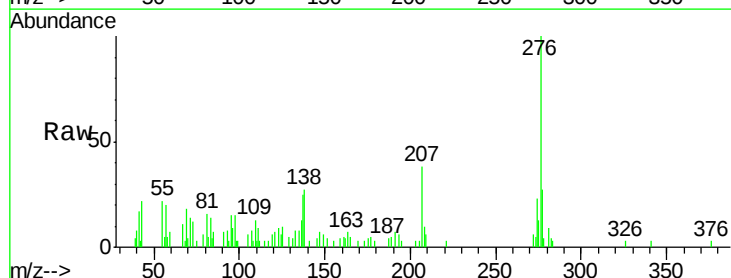
Tgt Ion:276 Resp: 19964

Ion Ratio Lower Upper

276 100

277 27.0 19.0 28.4

138 27.5 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

