

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078571.D
 Acq On : 16 Apr 2015 17:54
 Operator : TP/IZ
 Sample : G1828-08RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02BRE

Quant Time: Apr 17 01:22:21 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	22292	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	95460	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	48162	20.00	ng	0.00
63) Phenanthrene-d10	12.25	188	94888	20.00	ng	0.01
75) Chrysene-d12	15.51	240	107540	20.00	ng	0.02
86) Perylene-d12	17.27	264	116778	20.00	ng	0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.94	112	29240	21.63	ng	0.03
7) Phenol-d6	6.31	99	63366	37.40	ng	0.01
23) Nitrobenzene-d5	7.39	82	43303	27.50	ng	0.00
41) 2,4,6-Tribromophenol	11.41	330	22696	56.82	ng	0.01
44) 2-Fluorobiphenyl	9.62	172	95339	28.30	ng	0.00
78) Terphenyl-d14	14.24	244	346901	72.89	ng	0.01

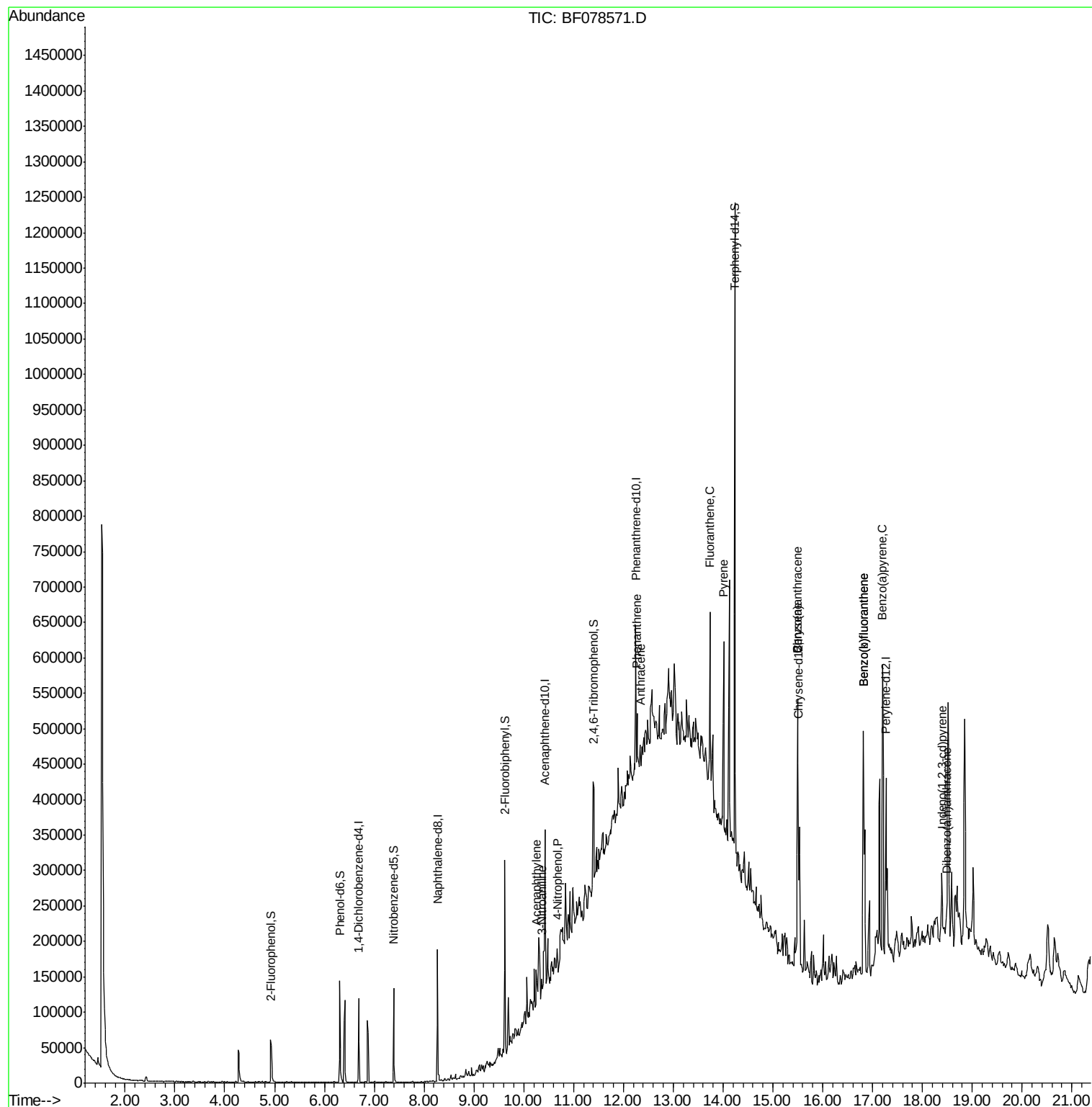
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	10.25	152	12038	2.41	ng	# 87
52) 3-Nitroaniline	10.36	138	1738	2.05	ng	# 14
55) 4-Nitrophenol	10.68	139	450	3.46	ng	# 1
70) Phenanthrene	12.27	178	36069	6.57	ng	# 95
71) Anthracene	12.34	178	13850	2.56	ng	# 76
74) Fluoranthene	13.74	202	105760	18.27	ng	98
77) Pyrene	14.01	202	130240	19.29	ng	# 94
80) Benzo(a)anthracene	15.50	228	140907	22.02	ng	96
82) Chrysene	15.50	228	137228	22.83	ng	97
85) Indeno(1,2,3-cd)pyrene	18.39	276	44663	6.55	ng	96
87) Benzo(b)fluoranthene	16.82	252	327652	45.40	ng	# 96
88) Benzo(k)fluoranthene	16.82	252	322450	50.27	ng	97
89) Benzo(a)pyrene	17.20	252	221896	35.23	ng	# 92
90) Dibenzo(a,h)anthracene	18.48	278	12822	2.03	ng	# 80

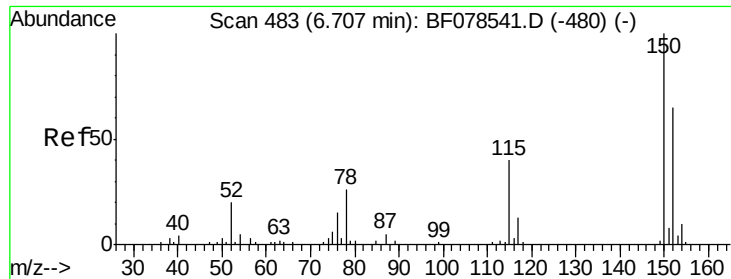
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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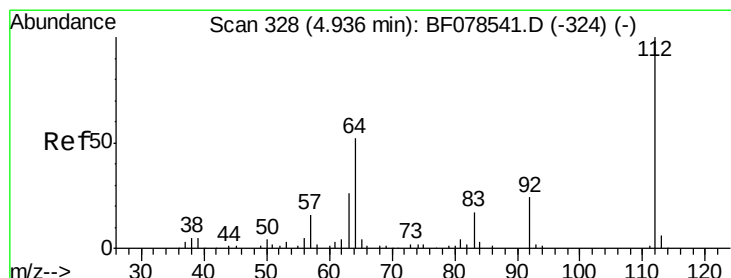
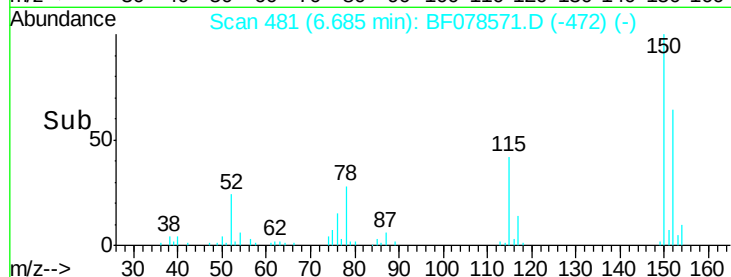
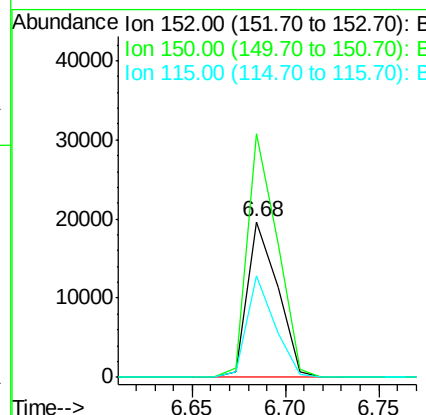
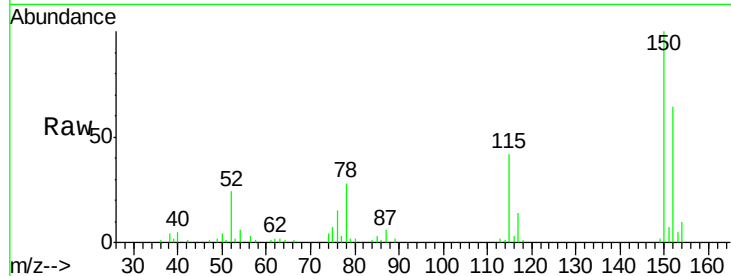


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 481
Delta R.T. 0.00 min
Lab File: BF078571.D
Acq: 16 Apr 2015 17:54

Instrument :
BNA_F
ClientSampleId :
HS-SB02BRE

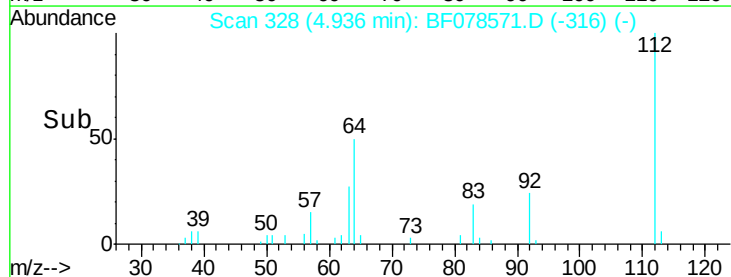
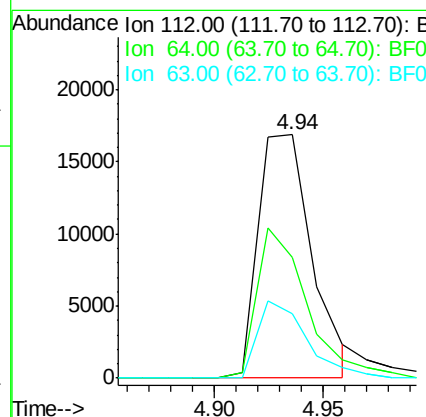
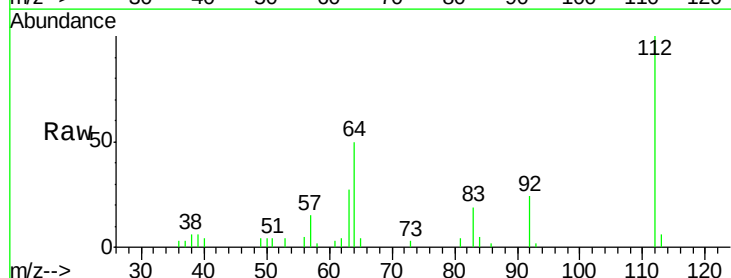
Tgt Ion:152 Resp: 22292
Ion Ratio Lower Upper
152 100
150 156.5 125.9 188.9
115 65.1 52.7 79.1

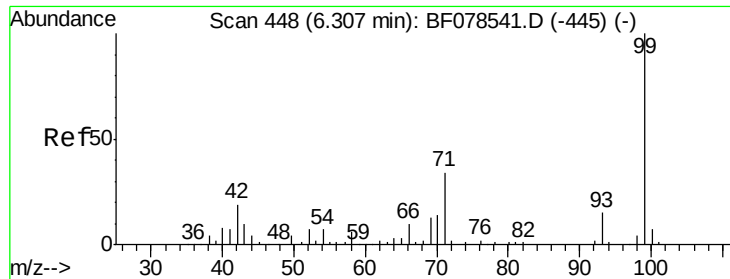


#5

2-Fluorophenol
Concen: 21.63 ng
RT: 4.94 min Scan# 328
Delta R.T. 0.03 min
Lab File: BF078571.D
Acq: 16 Apr 2015 17:54

Tgt Ion:112 Resp: 29240
Ion Ratio Lower Upper
112 100
64 49.6 39.9 59.9
63 26.5 20.2 30.4





#7

Phenol-d6

Concen: 37.40 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078571.D

Acq: 16 Apr 2015 17:54

Instrument :

BNA_F

ClientSampleId :

HS-SB02BRE

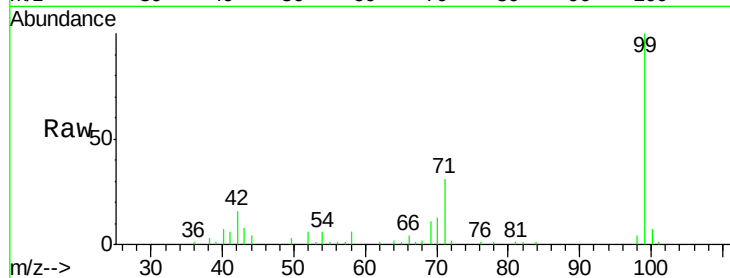
Tgt Ion: 99 Resp: 63366

Ion Ratio Lower Upper

99 100

42 16.0 14.8 22.2

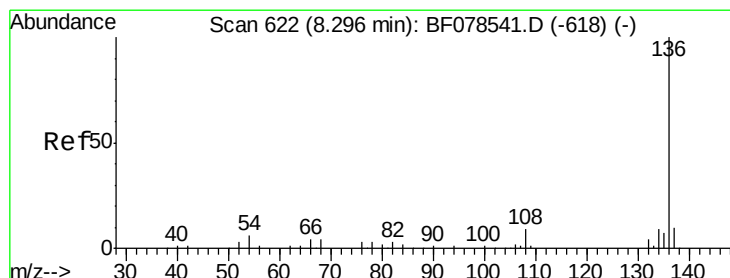
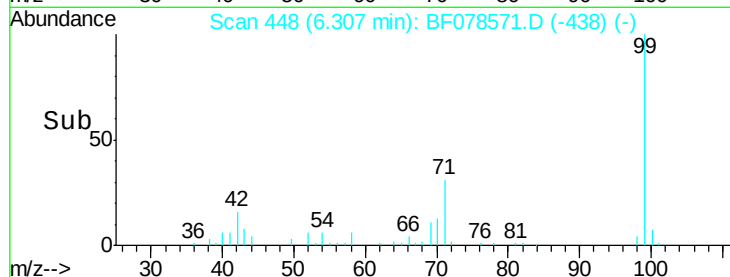
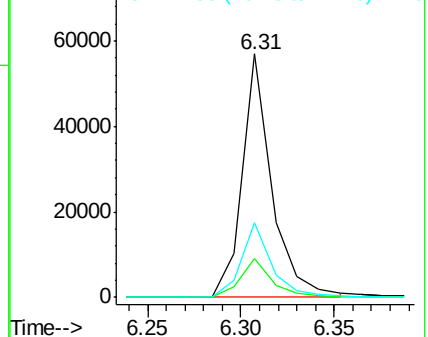
71 30.5 26.6 39.8



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: BF078571.D

Acq: 16 Apr 2015 17:54

Tgt Ion: 136 Resp: 95460

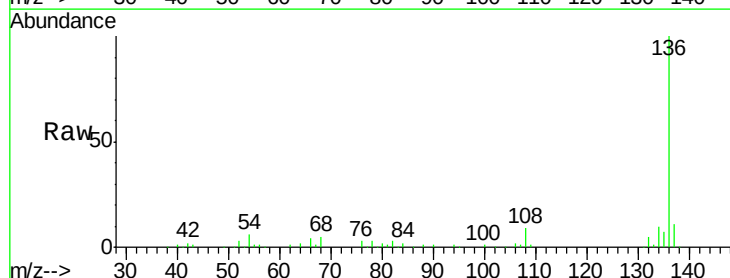
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 6.3 7.0 10.6#

68 4.7 5.4 8.2#

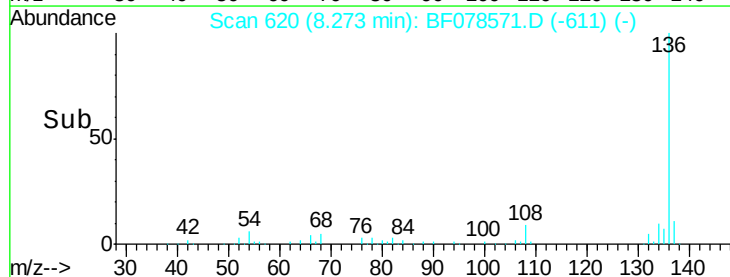
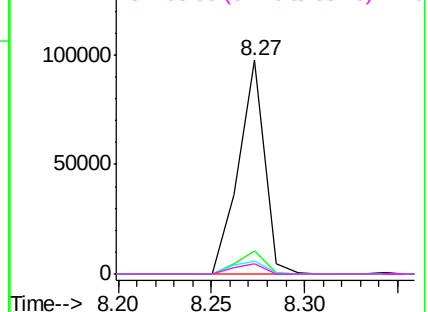


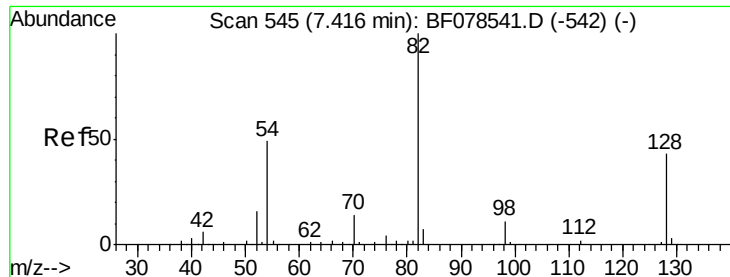
Abundance Ion 136.00 (135.70 to 136.70): E

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

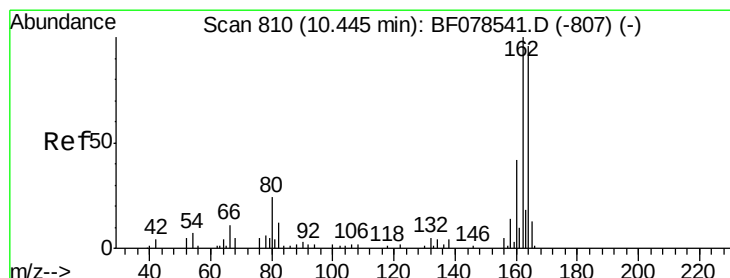
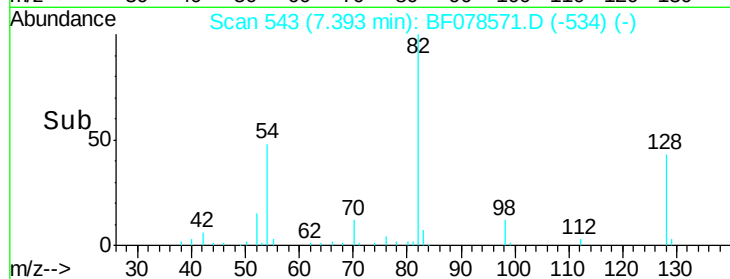
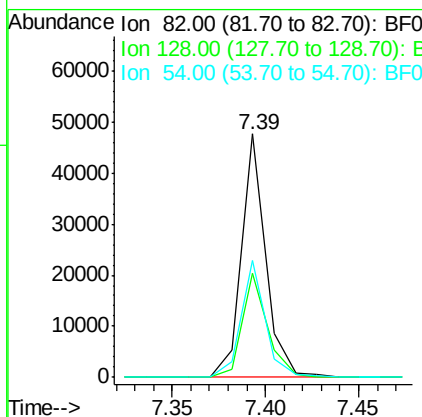
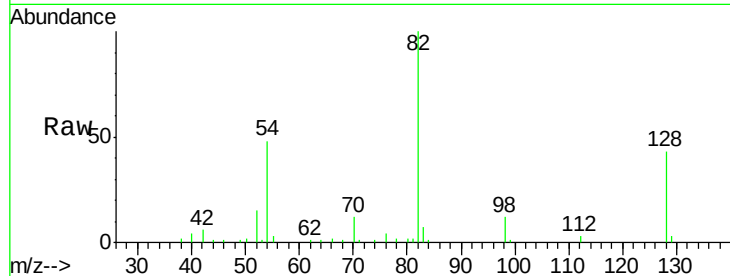




#23
 Nitrobenzene-d5
 Concen: 27.50 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078571.D
 Acq: 16 Apr 2015 17:54

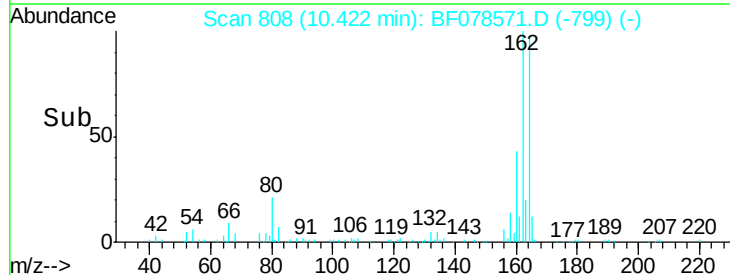
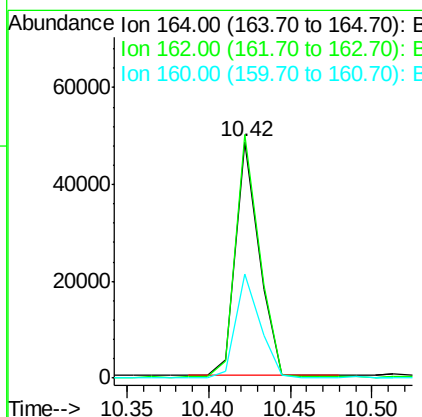
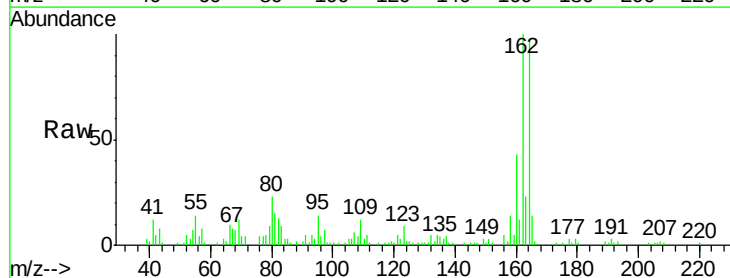
Instrument :
 BNA_F
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 HS-SB02BRE

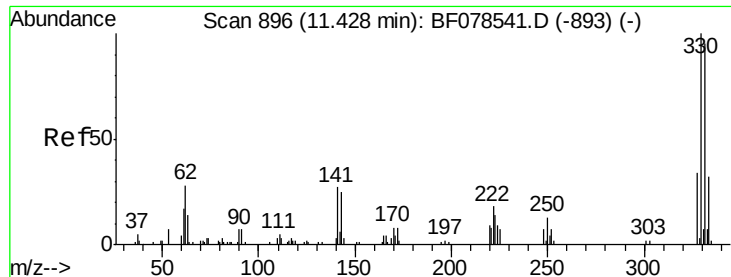
Tgt Ion: 82 Resp: 43303
 Ion Ratio Lower Upper
 82 100
 128 42.8 31.8 47.8
 54 47.9 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078571.D
 Acq: 16 Apr 2015 17:54

Tgt Ion: 164 Resp: 48162
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.2 123.2
 160 43.9 34.7 52.1

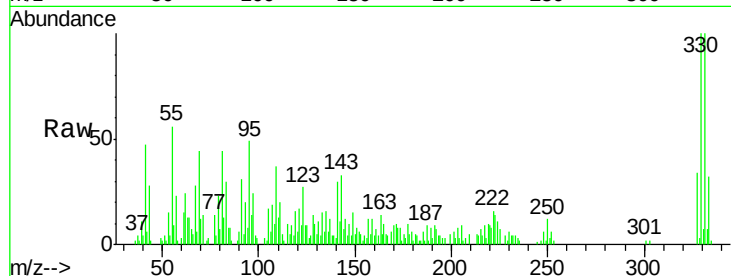




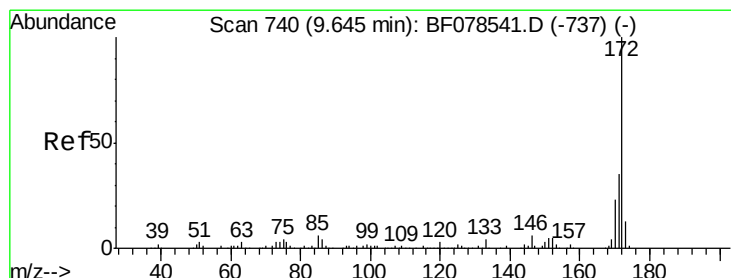
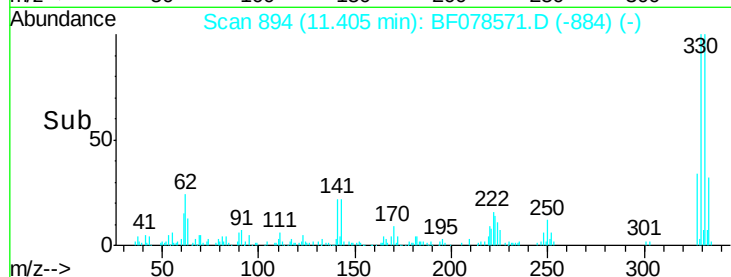
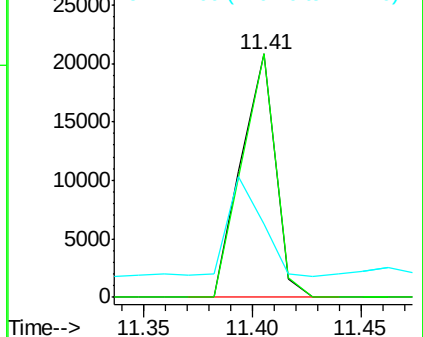
#41
 2,4,6-Tribromophenol
 Concen: 56.82 ng
 RT: 11.41 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078571.D
 Acq: 16 Apr 2015 17:54

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02BRE

Tgt Ion:330 Resp: 22696
 Ion Ratio Lower Upper
 330 100
 332 98.9 78.6 117.8
 141 47.4 31.2 46.8#

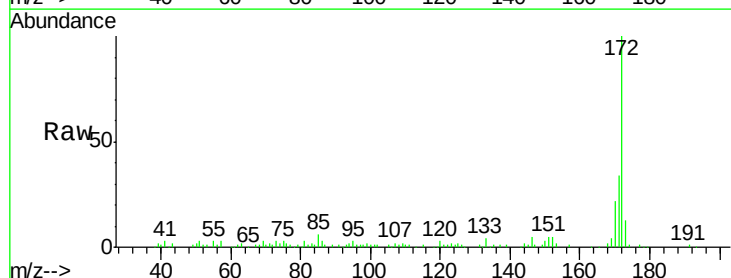


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

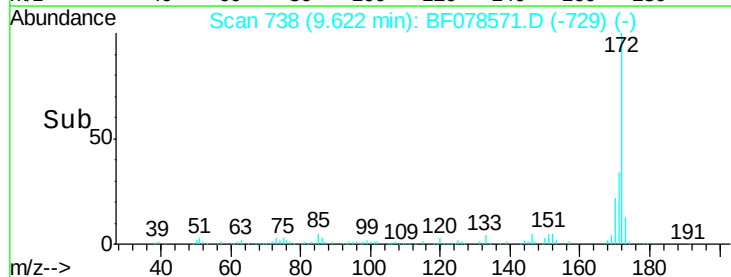
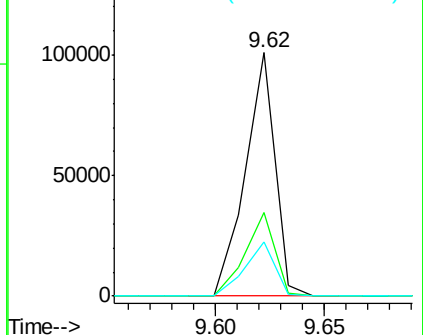


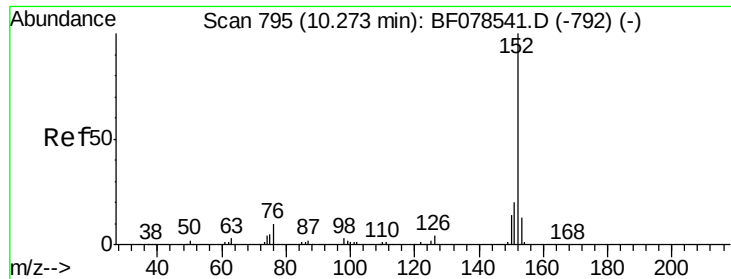
#44
 2-Fluorobiphenyl
 Concen: 28.30 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078571.D
 Acq: 16 Apr 2015 17:54

Tgt Ion:172 Resp: 95339
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.6 42.8
 170 22.4 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





#48

Acenaphthylene

Concen: 2.41 ng

RT: 10.25 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF078571.D

Acq: 16 Apr 2015 17:54

Instrument :

BNA_F

ClientSampleId :

HS-SB02BRE

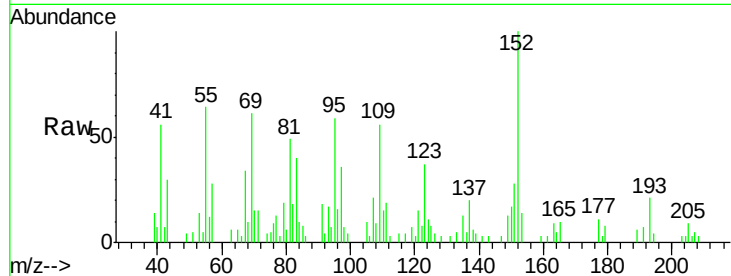
Tgt Ion:152 Resp: 12038

Ion Ratio Lower Upper

152 100

151 27.9 15.7 23.5#

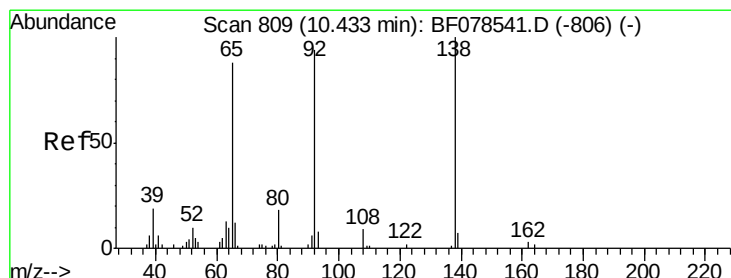
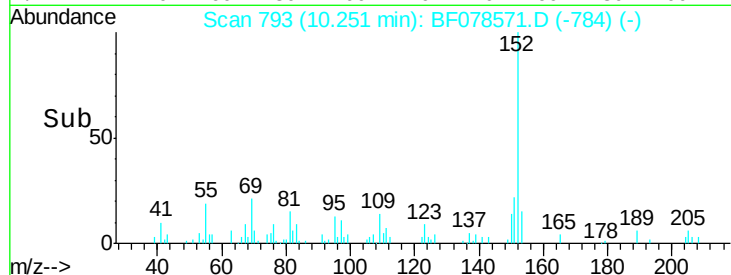
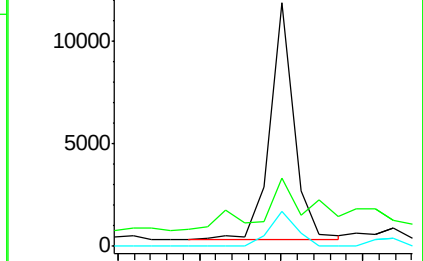
153 14.4 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#52

3-Nitroaniline

Concen: 2.05 ng

RT: 10.36 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF078571.D

Acq: 16 Apr 2015 17:54

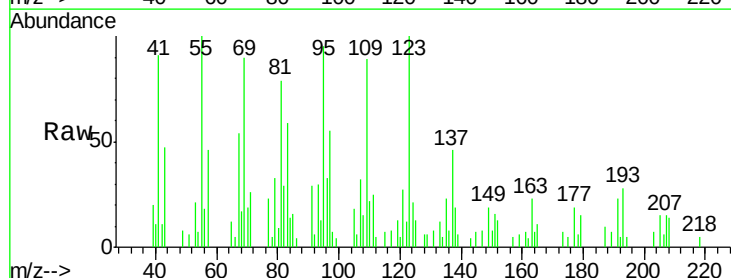
Tgt Ion:138 Resp: 1738

Ion Ratio Lower Upper

138 100

108 79.7 8.2 12.4#

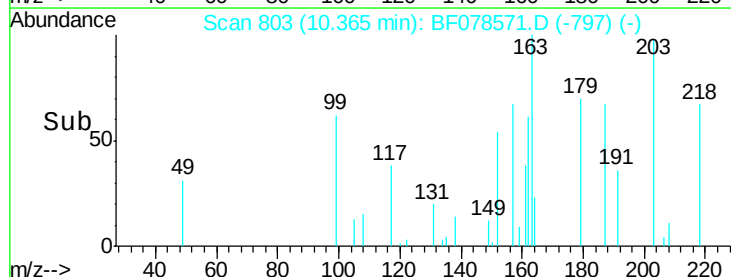
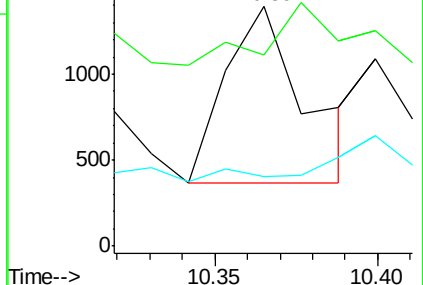
92 28.8 88.4 132.6#

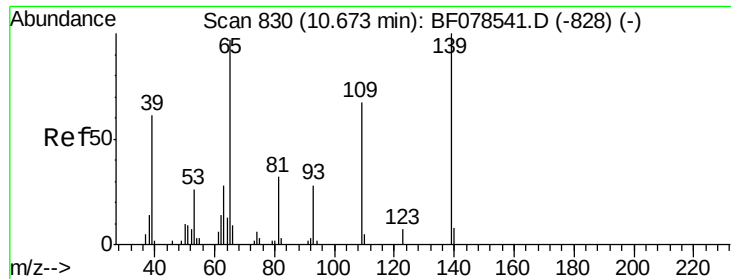


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

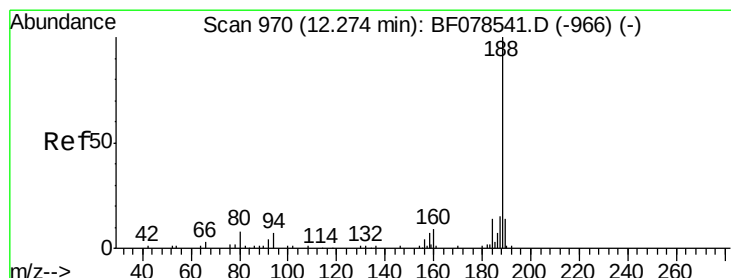
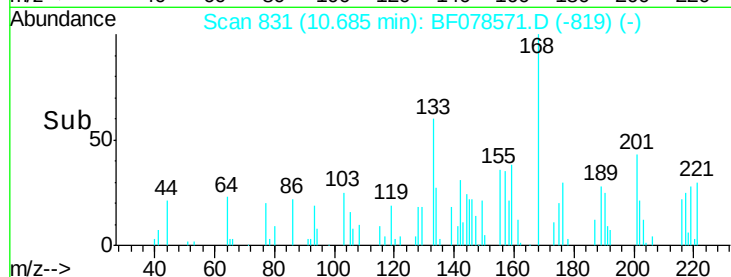
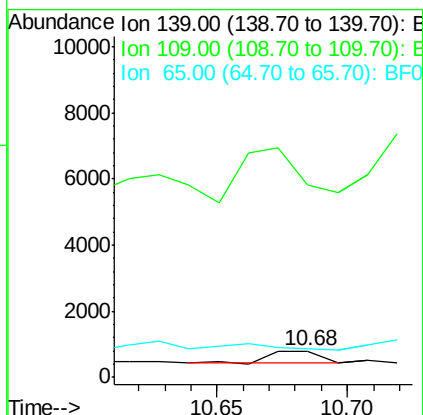
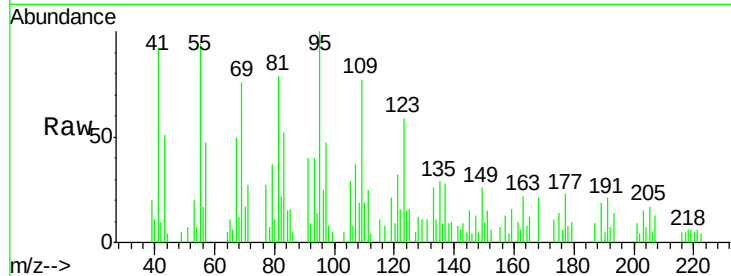




#55
4-Nitrophenol
Concen: 3.46 ng
RT: 10.68 min Scan# 831
Delta R.T. 0.03 min
Lab File: BF078571.D
Acq: 16 Apr 2015 17:54

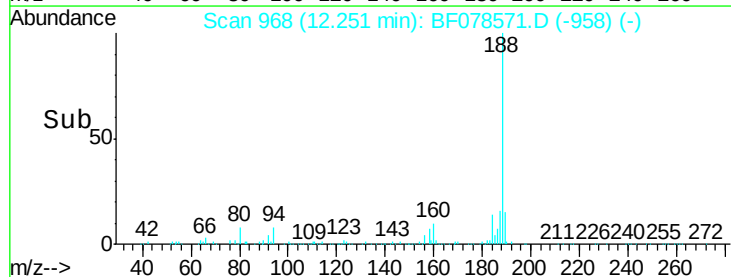
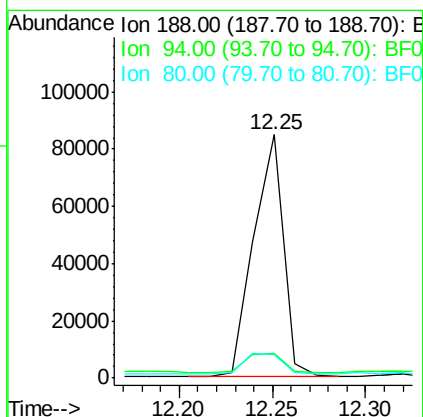
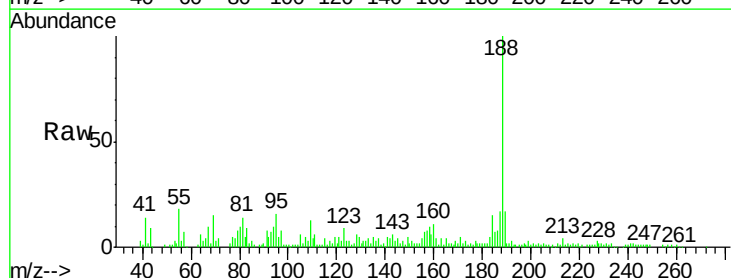
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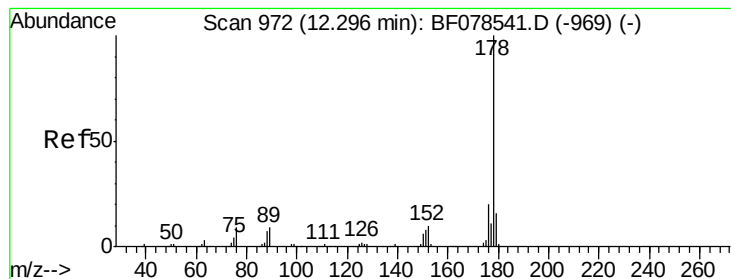
Tgt Ion:139 Resp: 450
Ion Ratio Lower Upper
139 100
109 739.0 36.7 76.7#
65 108.6 49.9 89.9#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 968
Delta R.T. 0.01 min
Lab File: BF078571.D
Acq: 16 Apr 2015 17:54

Tgt Ion:188 Resp: 94888
Ion Ratio Lower Upper
188 100
94 10.3 9.0 13.4
80 9.9 9.5 14.3





#70

Phenanthrene

Concen: 6.57 ng

RT: 12.27 min Scan# 970

Delta R.T. 0.00 min

Lab File: BF078571.D

Acq: 16 Apr 2015 17:54

Instrument :

BNA_F

ClientSampleId :

HS-SB02BRE

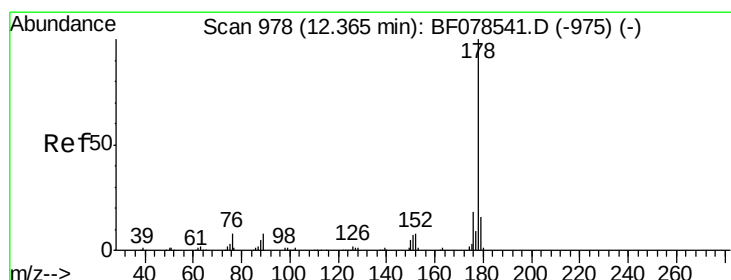
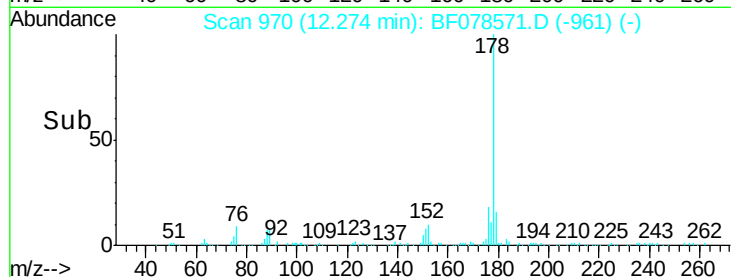
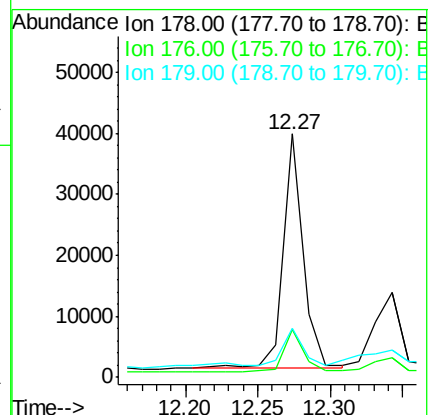
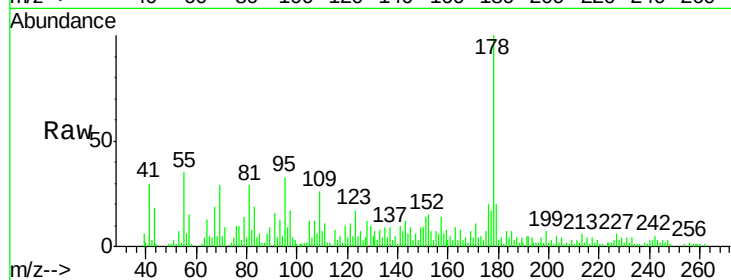
Tgt Ion:178 Resp: 36069

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 19.9 12.2 18.2#



#71

Anthracene

Concen: 2.56 ng

RT: 12.34 min Scan# 976

Delta R.T. 0.01 min

Lab File: BF078571.D

Acq: 16 Apr 2015 17:54

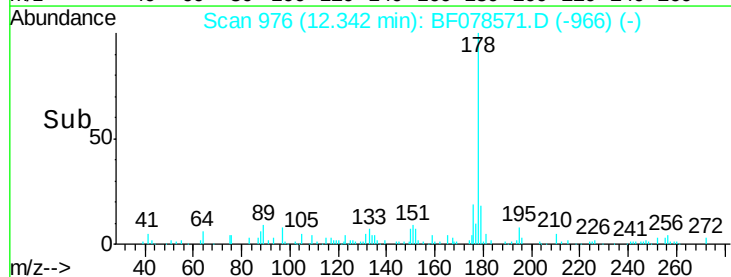
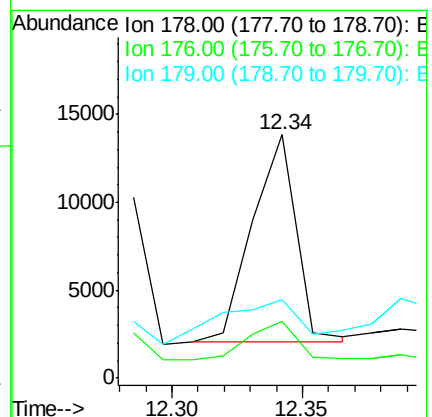
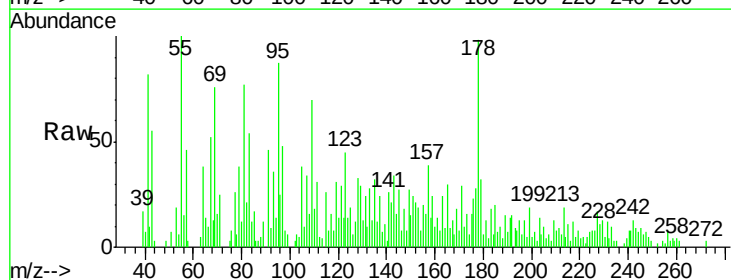
Tgt Ion:178 Resp: 13850

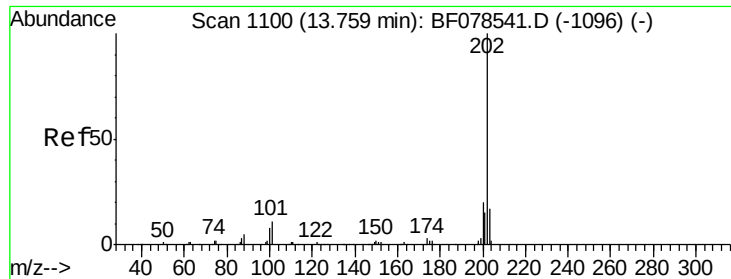
Ion Ratio Lower Upper

178 100

176 23.1 14.8 22.2#

179 32.4 12.4 18.6#





#74

Fluoranthene

Concen: 18.27 ng

RT: 13.74 min Scan# 1098

Delta R.T. 0.01 min

Lab File: BF078571.D

Acq: 16 Apr 2015 17:54

Instrument :

BNA_F

ClientSampleId :

HS-SB02BRE

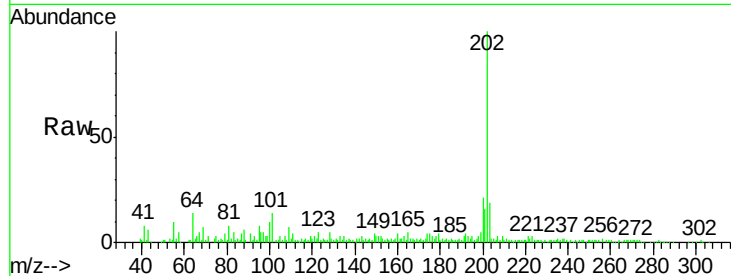
Tgt Ion:202 Resp: 105760

Ion Ratio Lower Upper

202 100

101 13.8 0.0 35.2

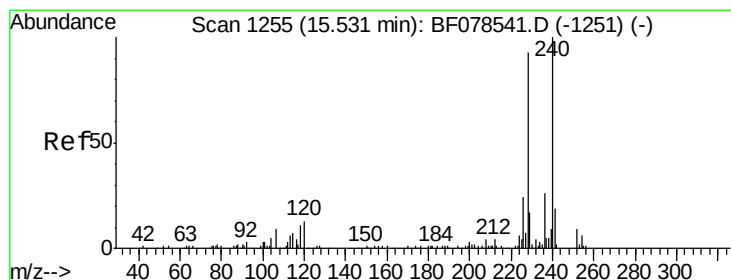
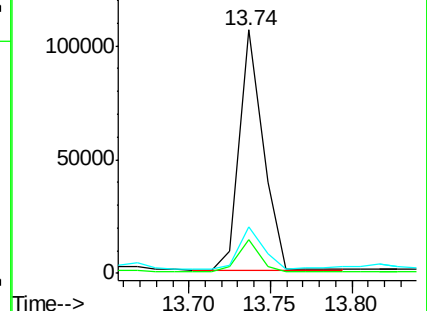
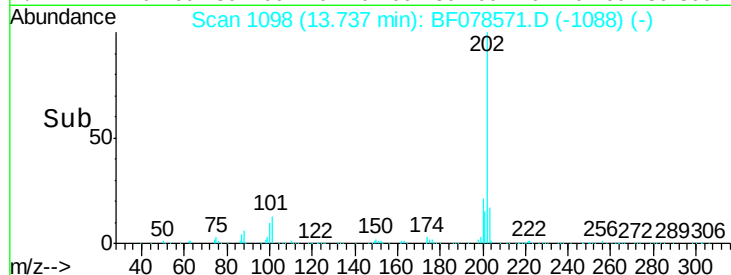
203 19.1 0.0 38.5



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: 15.51 min Scan# 1253

Delta R.T. 0.02 min

Lab File: BF078571.D

Acq: 16 Apr 2015 17:54

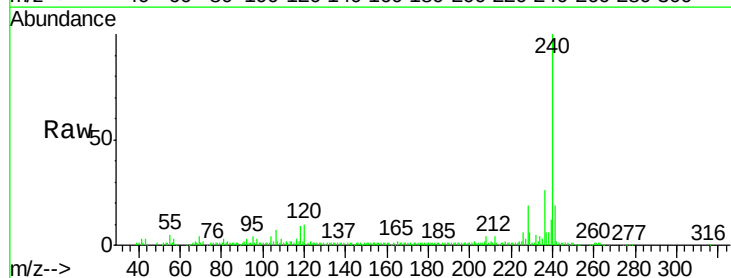
Tgt Ion:240 Resp: 107540

Ion Ratio Lower Upper

240 100

120 10.0 7.1 10.7

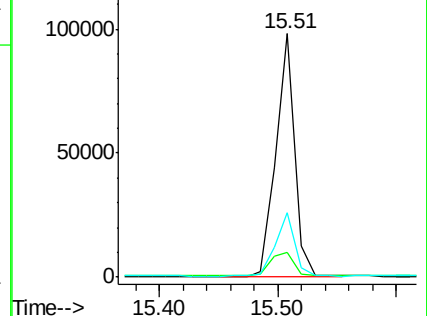
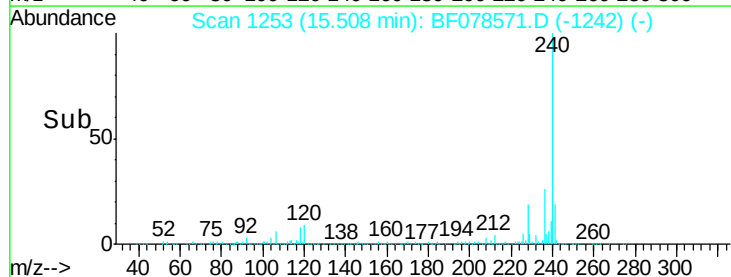
236 26.3 21.4 32.2

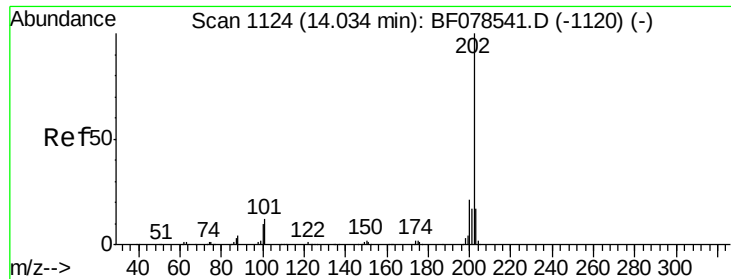


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

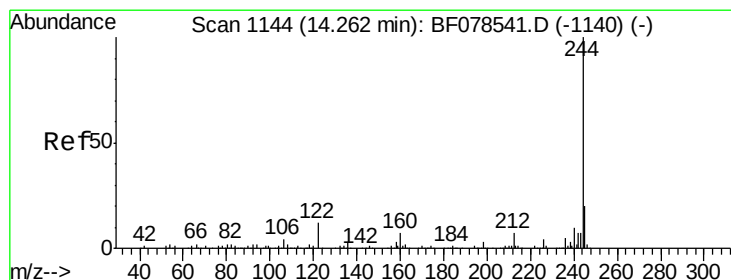
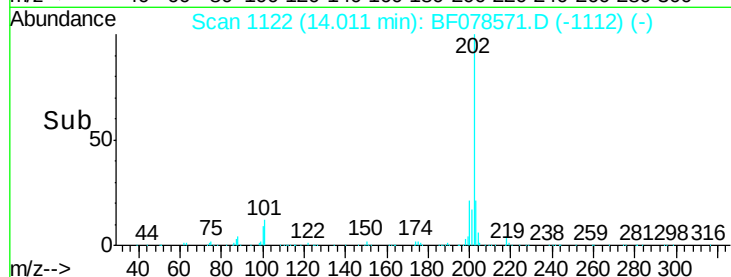
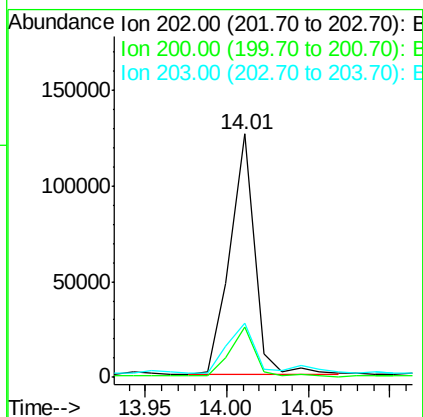
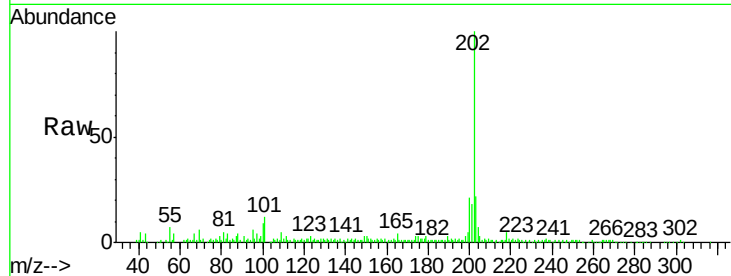




#77
 Pyrene
 Concen: 19.29 ng
 RT: 14.01 min Scan# 1122
 Delta R.T. 0.01 min
 Lab File: BF078571.D
 Acq: 16 Apr 2015 17:54

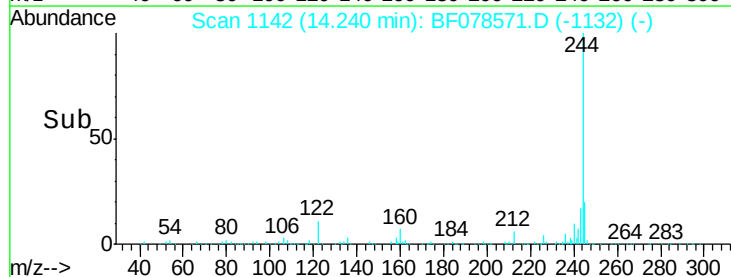
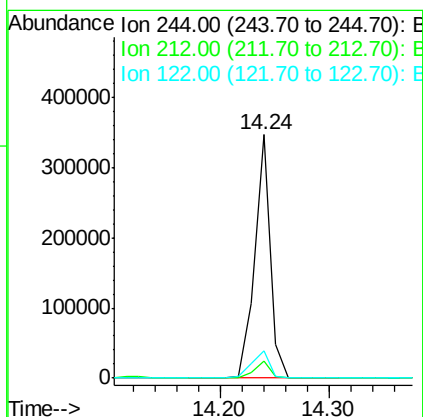
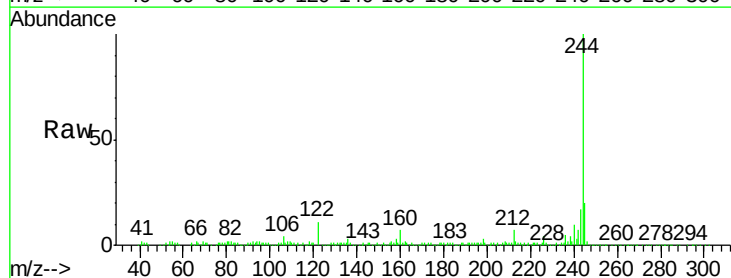
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02BRE

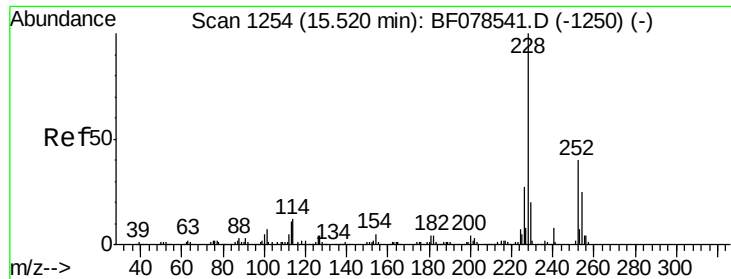
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.3	24.5
203	22.4	13.8	20.6



#78
 Terphenyl-d14
 Concen: 72.89 ng
 RT: 14.24 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: BF078571.D
 Acq: 16 Apr 2015 17:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.0	7.4
122	11.2	7.1	10.7





#80

Benzo(a)anthracene

Concen: 22.02 ng

RT: 15.50 min Scan# 1252

Delta R.T. 0.02 min

Lab File: BF078571.D

Acq: 16 Apr 2015 17:54

Instrument :

BNA_F

ClientSampleId :

HS-SB02BRE

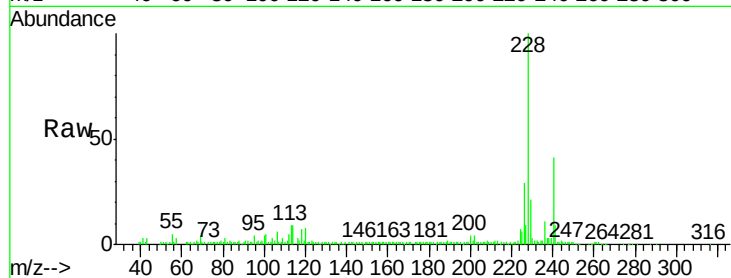
Tgt Ion:228 Resp: 140907

Ion Ratio Lower Upper

228 100

226 28.6 21.3 31.9

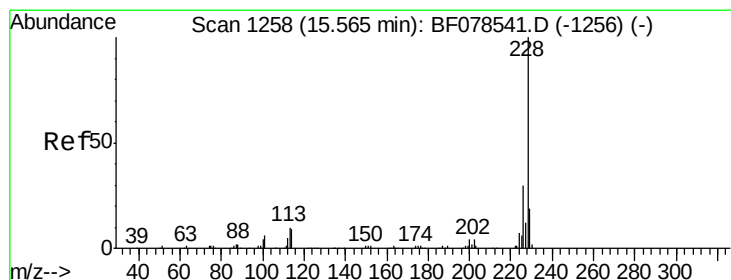
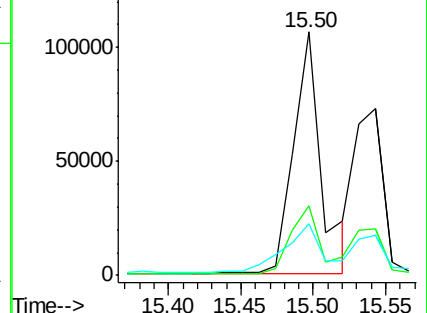
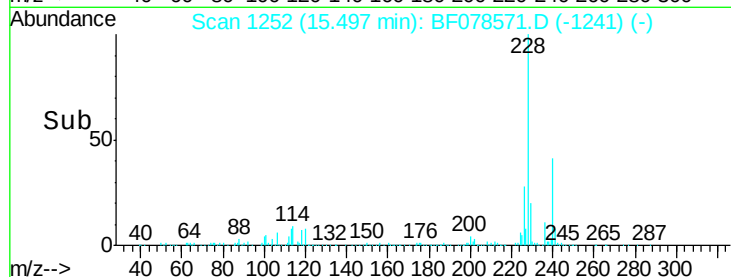
229 21.2 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 22.83 ng

RT: 15.50 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF078571.D

Acq: 16 Apr 2015 17:54

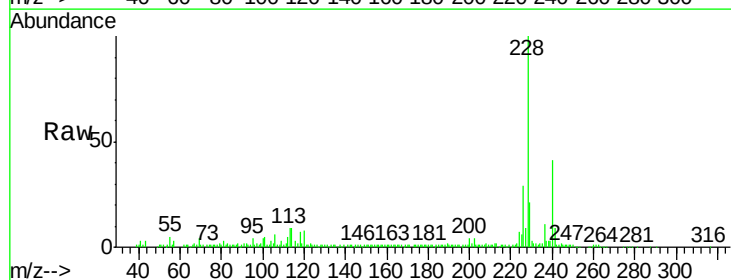
Tgt Ion:228 Resp: 137228

Ion Ratio Lower Upper

228 100

226 28.6 24.2 36.4

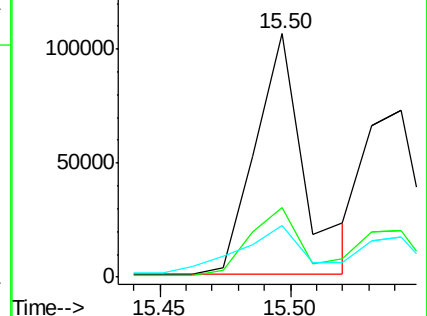
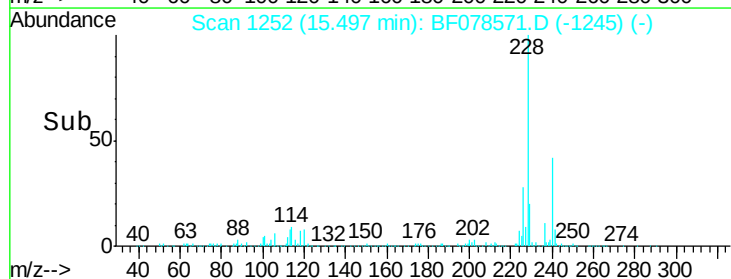
229 21.2 15.8 23.8

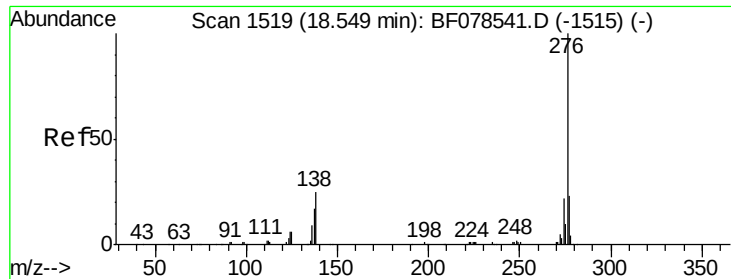


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

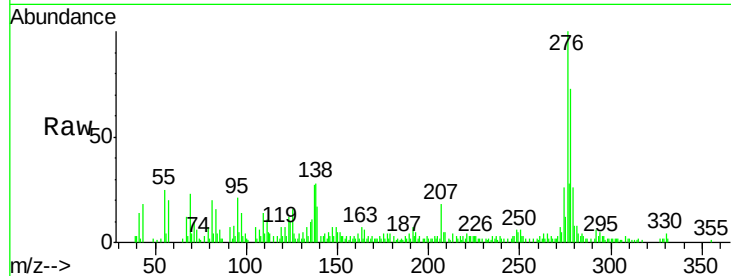




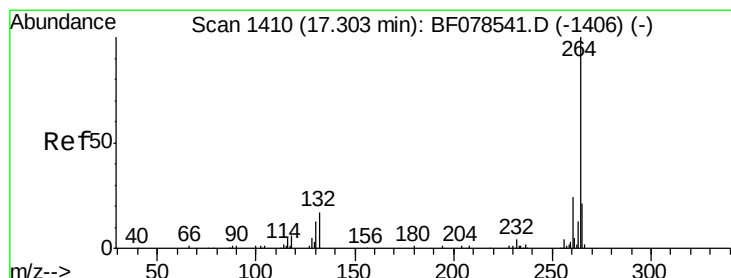
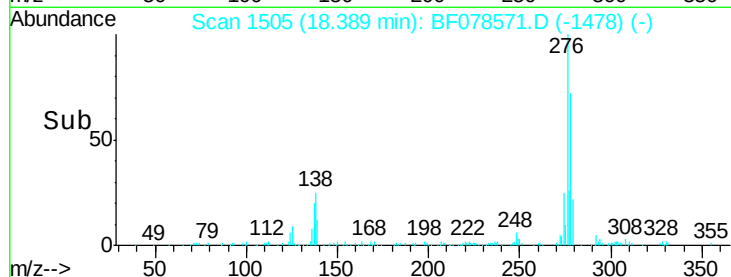
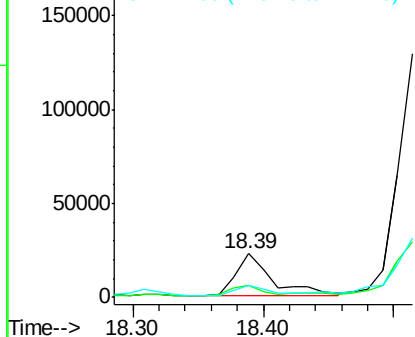
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.55 ng
 RT: 18.39 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: BF078571.D
 Acq: 16 Apr 2015 17:54

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02BRE

Tgt Ion: 276 Resp: 44663
 Ion Ratio Lower Upper
 276 100
 138 23.6 16.9 25.3
 277 21.1 15.8 23.6

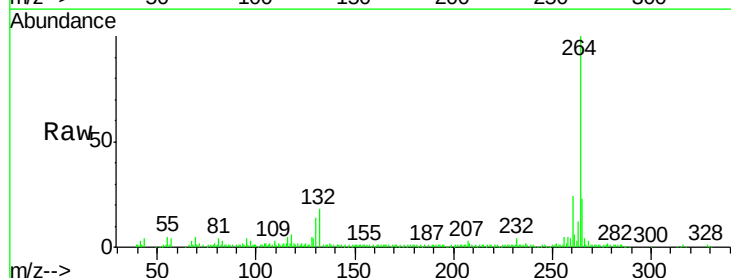


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

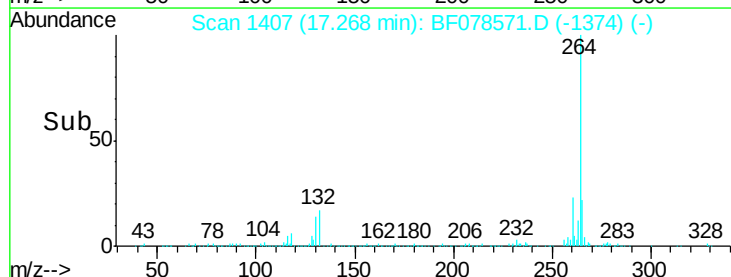
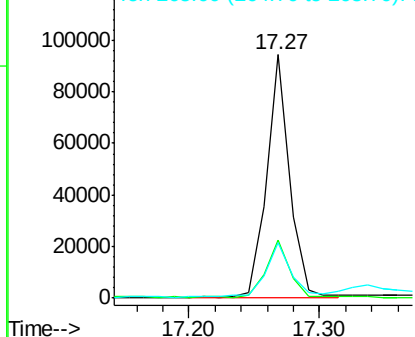


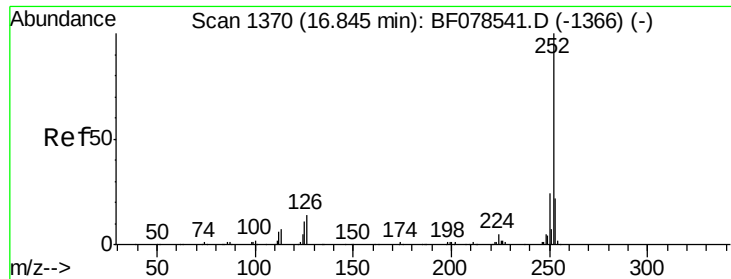
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.27 min Scan# 1407
 Delta R.T. 0.08 min
 Lab File: BF078571.D
 Acq: 16 Apr 2015 17:54

Tgt Ion: 264 Resp: 116778
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.6 27.8
 265 22.9 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

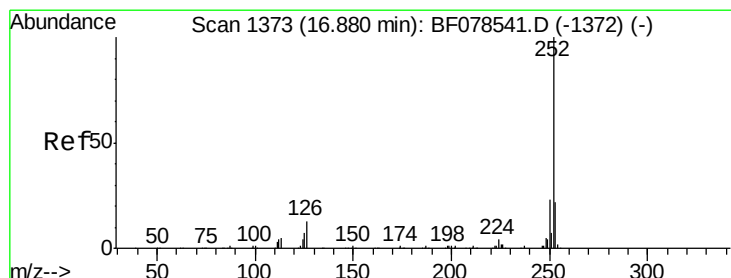
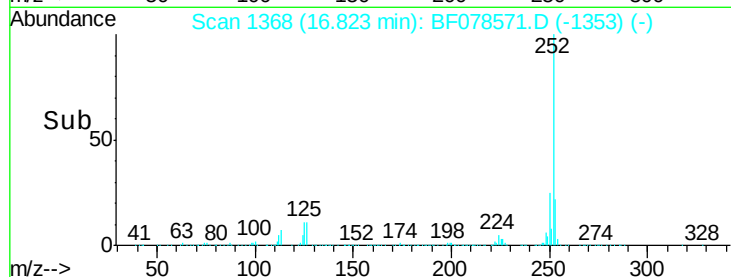
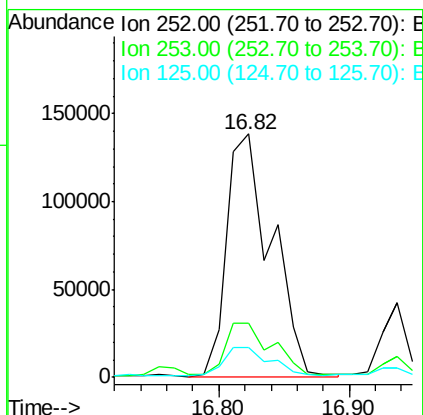
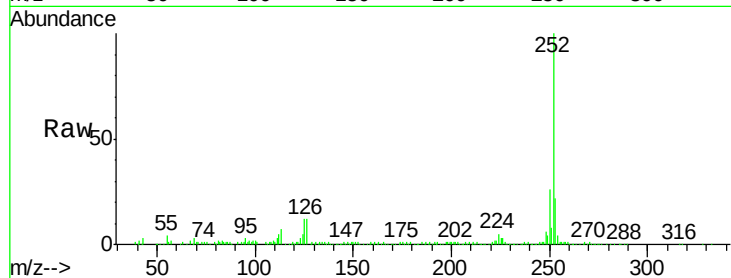




#87
Benzo(b)fluoranthene
Concen: 45.40 ng
RT: 16.82 min Scan# 1368
Delta R.T. 0.07 min
Lab File: BF078571.D
Acq: 16 Apr 2015 17:54

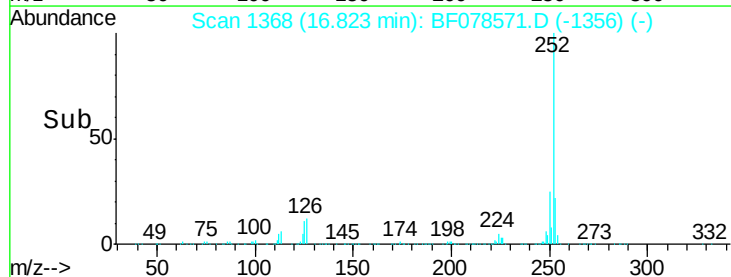
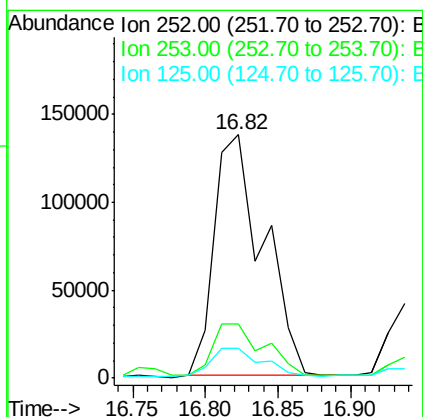
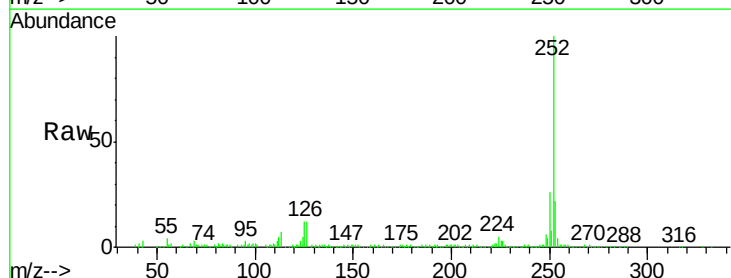
Instrument :
BNA_F
ClientSampleId :
HS-SB02BRE

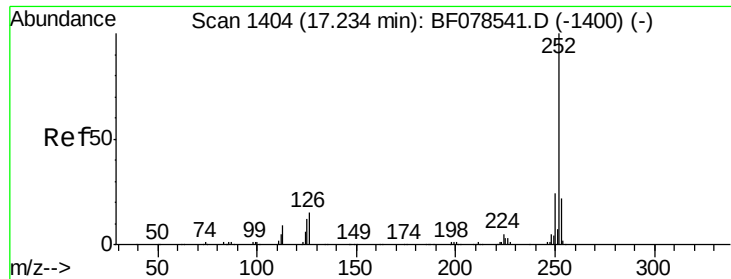
Tgt Ion:252 Resp: 327652
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 12.3 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 50.27 ng
RT: 16.82 min Scan# 1368
Delta R.T. 0.03 min
Lab File: BF078571.D
Acq: 16 Apr 2015 17:54

Tgt Ion:252 Resp: 322450
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 12.3 11.6 17.4

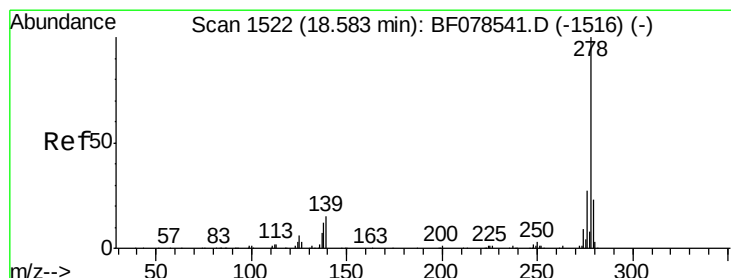
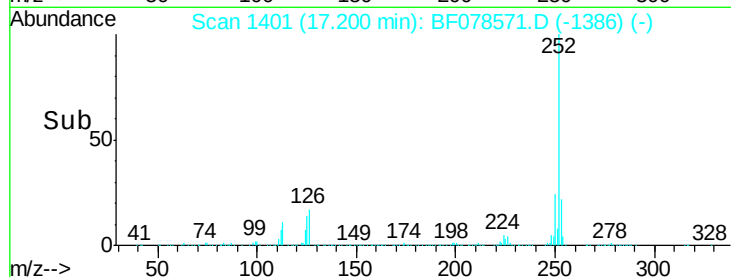
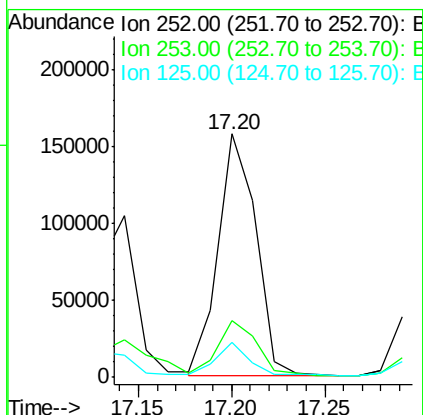
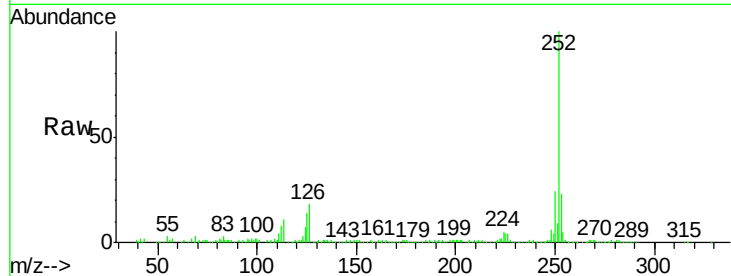




#89
Benzo(a)pyrene
Concen: 35.23 ng
RT: 17.20 min Scan# 1401
Delta R.T. 0.07 min
Lab File: BF078571.D
Acq: 16 Apr 2015 17:54

Instrument :
BNA_F
ClientSampleId :
HS-SB02BRE

Tgt Ion: 252 Resp: 221896
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 14.5 7.4 11.0#



#90
Dibenzo(a,h)anthracene
Concen: 2.03 ng
RT: 18.48 min Scan# 1513
Delta R.T. 0.07 min
Lab File: BF078571.D
Acq: 16 Apr 2015 17:54

Tgt Ion: 278 Resp: 12822
Ion Ratio Lower Upper
278 100
139 22.6 13.6 20.4#
279 35.7 19.0 28.6#

