

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040715\
 Data File : BF078328.D
 Acq On : 8 Apr 2015 7:58
 Operator : TP/IZ
 Sample : G1745-07DL2 50X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DDL2

Quant Time: Apr 08 07:44:46 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 08 03:14:41 2015
 Response via : Initial Calibration

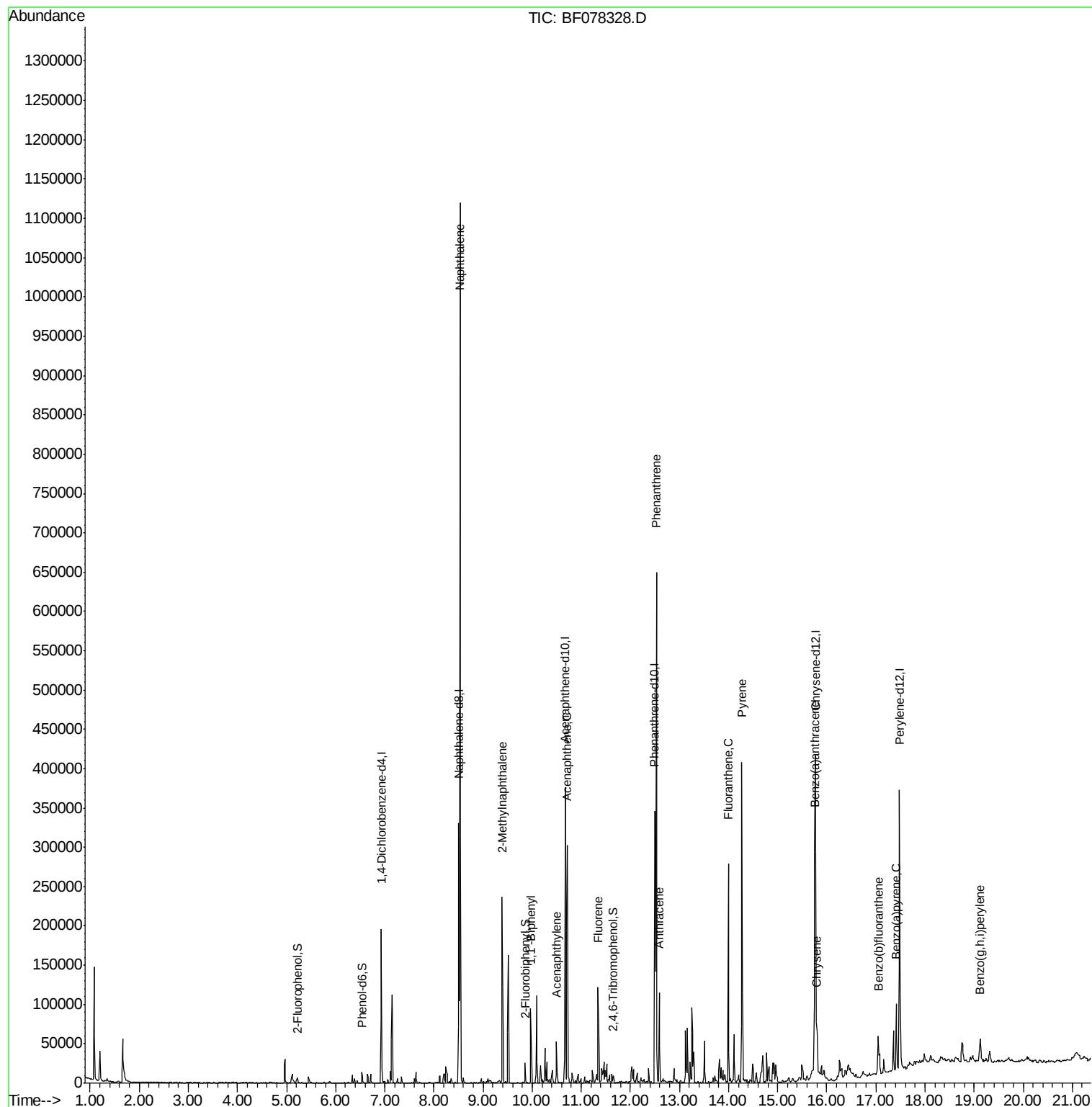
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	35554	20.00	ng	0.00
21) Naphthalene-d8	8.51	136	150679	20.00	ng	0.00
38) Acenaphthene-d10	10.67	164	74835	20.00	ng	0.00
63) Phenanthrene-d10	12.50	188	145720	20.00	ng	0.00
75) Chrysene-d12	15.77	240	159233	20.00	ng	0.00
86) Perylene-d12	17.48	264	153827	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	4518	2.10	ng	0.02
7) Phenol-d6	6.53	99	6574	2.43	ng	0.01
23) Nitrobenzene-d5	7.63	82	3421	1.38	ng	0.00
41) 2,4,6-Tribromophenol	11.65	330	1258	2.03	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	10665	2.04	ng	0.00
78) Terphenyl-d14	14.49	244	11754	1.67	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.53	128	526249	67.10	ng	99
37) 2-Methylnaphthalene	9.39	142	80036	15.03	ng	98
45) 1,1'-Biphenyl	9.97	154	36555	5.97	ng	95
48) Acenaphthylene	10.50	152	20853	2.68	ng	# 96
51) Acenaphthene	10.72	154	85784	19.59	ng	98
57) Fluorene	11.35	166	49522	9.14	ng	97
70) Phenanthrene	12.53	178	281909	33.44	ng	100
71) Anthracene	12.59	178	52545	6.33	ng	100
74) Fluoranthene	14.00	202	120831	13.59	ng	93
77) Pyrene	14.27	202	184878	18.50	ng	99
80) Benzo(a)anthracene	15.76	228	53721m	5.67	ng	
82) Chrysene	15.80	228	34286	3.85	ng	99
87) Benzo(b)fluoranthene	17.05	252	31470m	3.31	ng	
89) Benzo(a)pyrene	17.41	252	40980	4.94	ng	# 94
91) Benzo(a,h,i)perylene	19.12	276	24613m	2.96	ng	

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

Instrument :

BNA_F

ClientSampleId :

SB-3DDL2

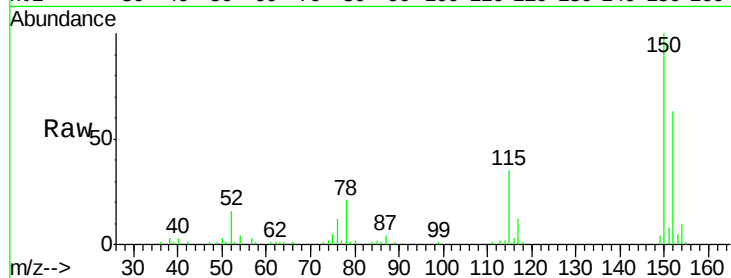
Tot Ion:152 Resp: 35554

Ion Ratio Lower Upper

152 100

150 159.9 125.9 188.9

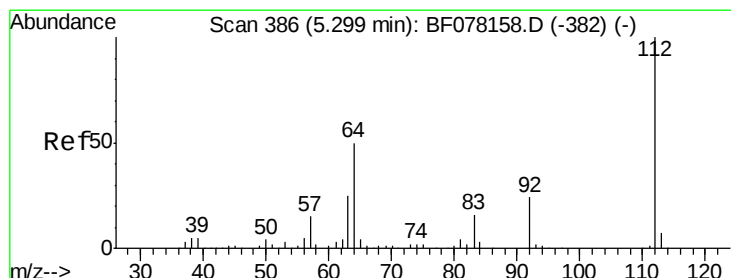
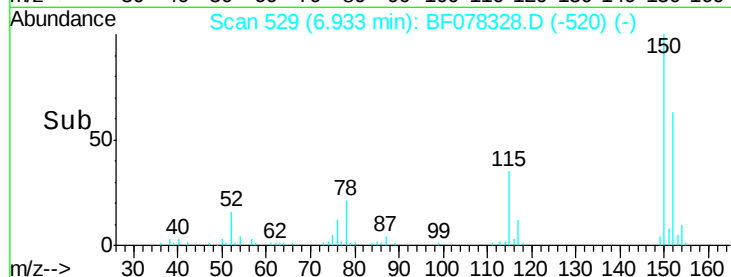
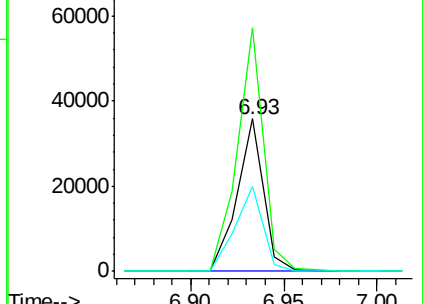
115 55.9 52.7 79.1



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: 2.10 ng

RT: 5.22 min Scan# 379

Delta R.T. 0.02 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

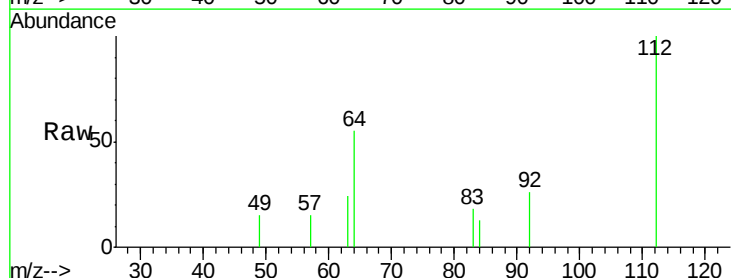
Tgt Ion:112 Resp: 4518

Ion Ratio Lower Upper

112 100

64 54.7 39.9 59.9

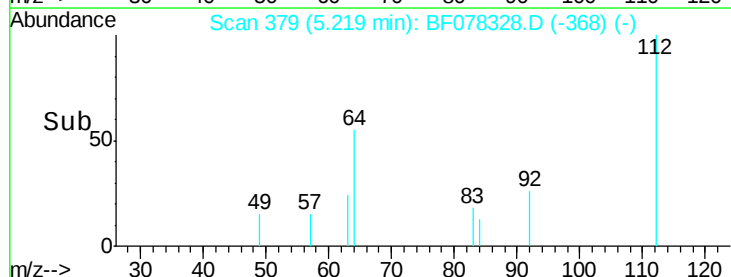
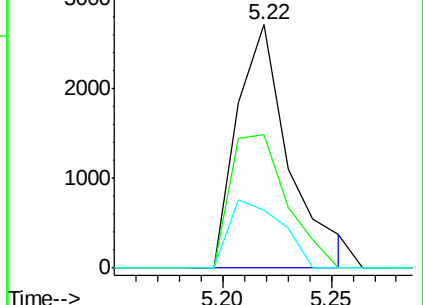
63 23.7 20.2 30.4

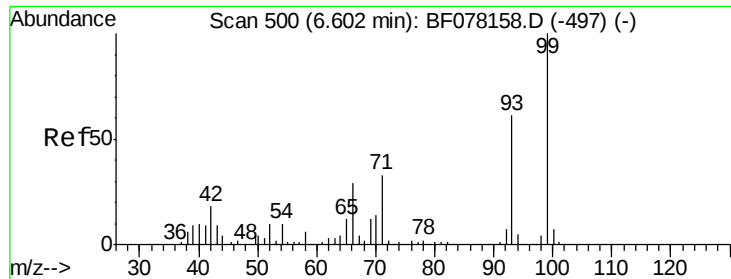


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 2.43 ng

RT: 6.53 min Scan# 494

Delta R.T. 0.01 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

Instrument :

BNA_F

ClientSampleId :

SB-3DDL2

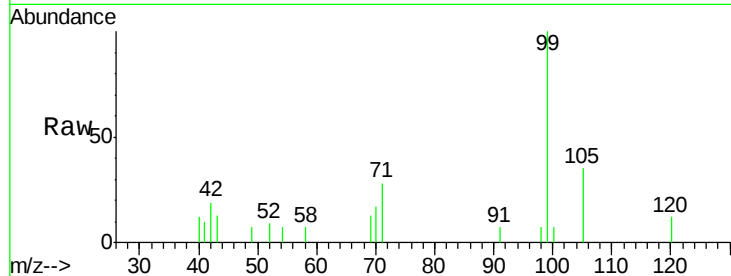
Tot Ion: 99 Resp: 6574

Ion Ratio Lower Upper

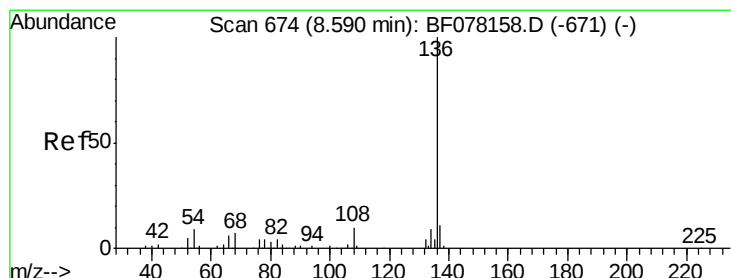
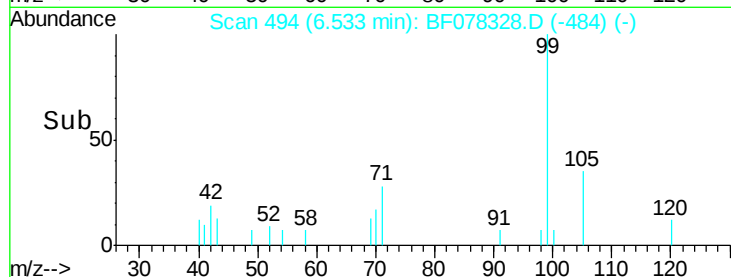
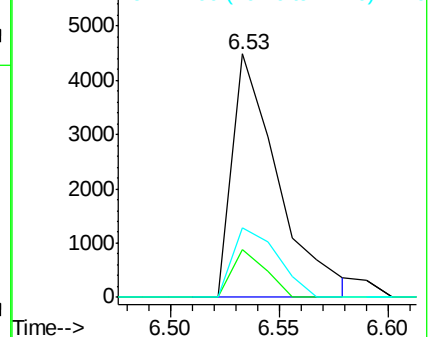
99 100

42 19.5 14.8 22.2

71 28.3 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: 8.51 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

Tgt Ion: 136 Resp: 150679

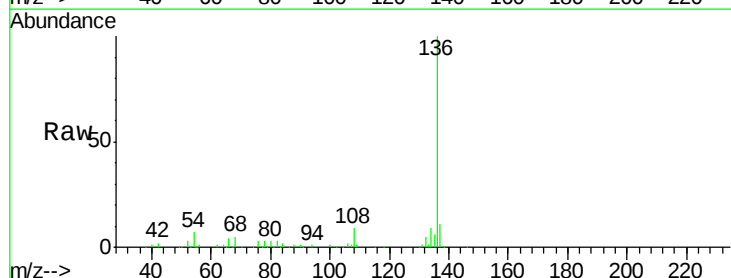
Ion Ratio Lower Upper

136 100

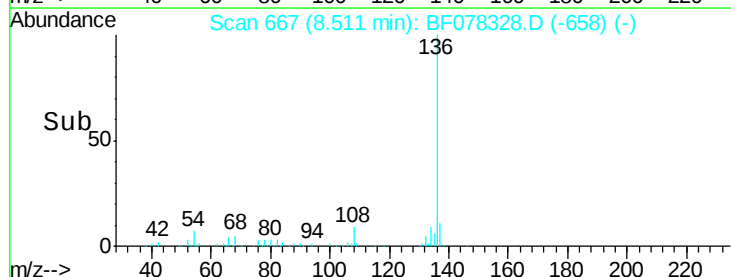
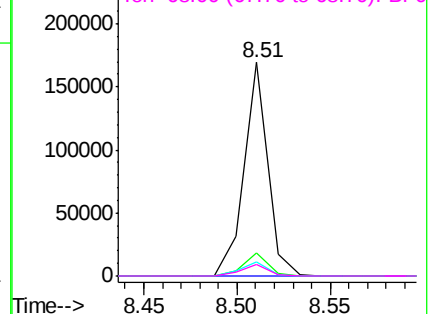
137 10.8 9.0 13.4

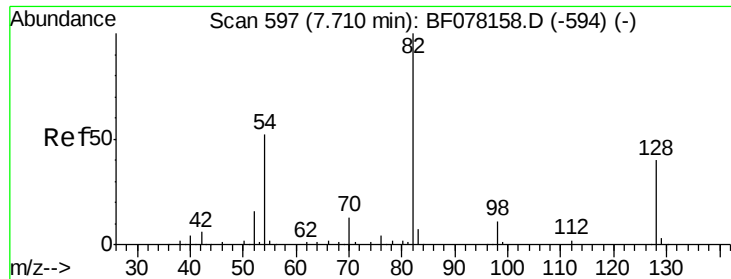
54 6.7 7.0 10.6#

68 5.3 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

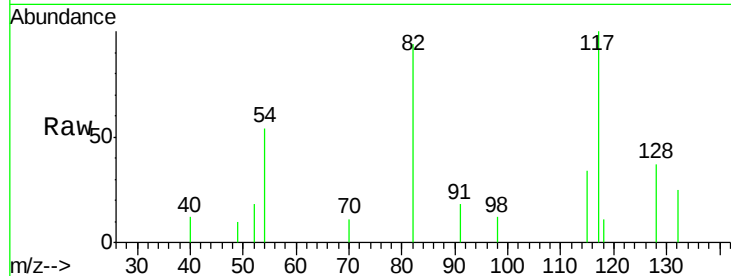




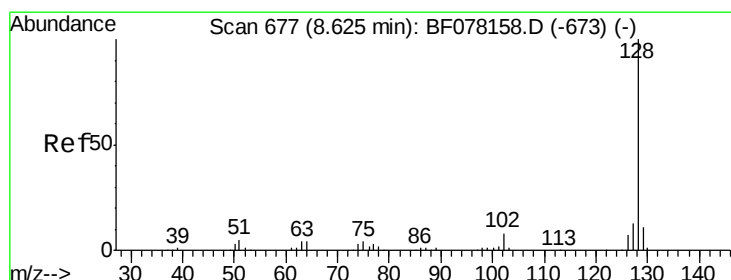
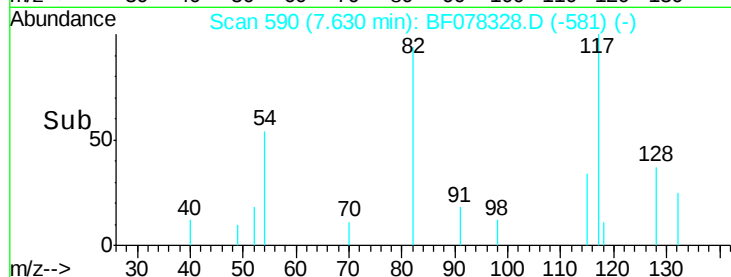
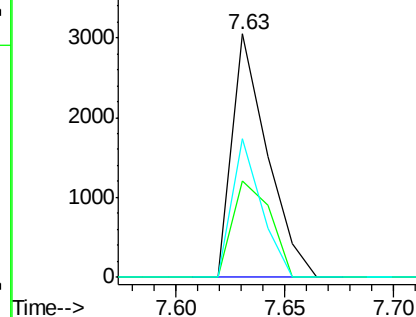
#23
 Nitrobenzene-d5
 Concen: 1.38 ng
 RT: 7.63 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DDL2

Tot Ion: 82 Resp: 3421
 Ion Ratio Lower Upper
 82 100
 128 39.7 31.8 47.8
 54 57.2 41.5 62.3

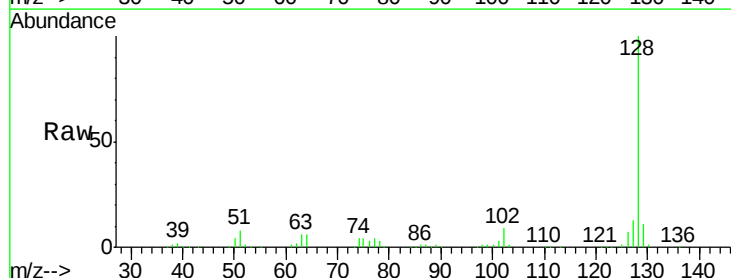


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

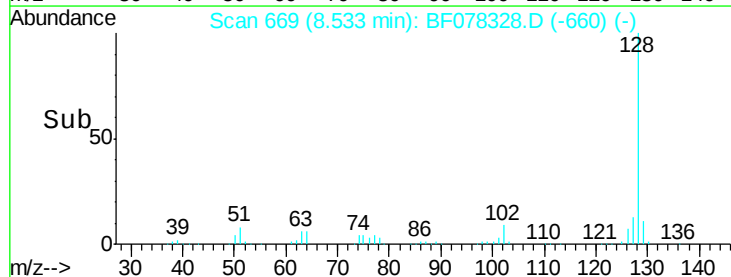
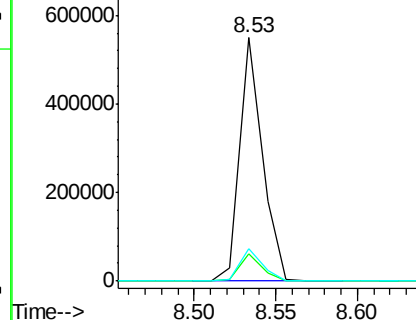


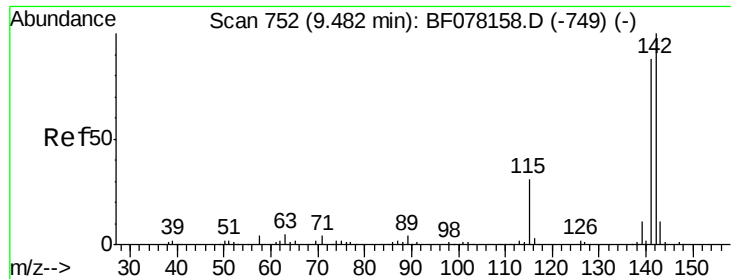
#31
 Naphthalene
 Concen: 67.10 ng
 RT: 8.53 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Tgt Ion: 128 Resp: 526249
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.6 12.8
 127 13.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

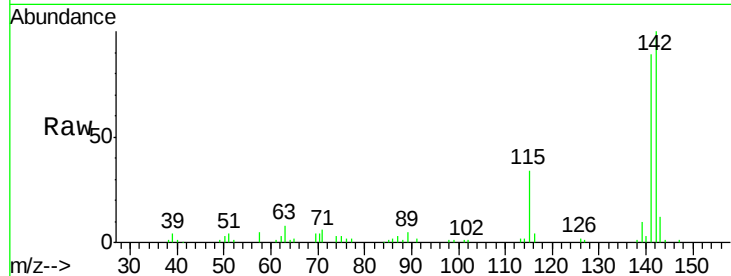




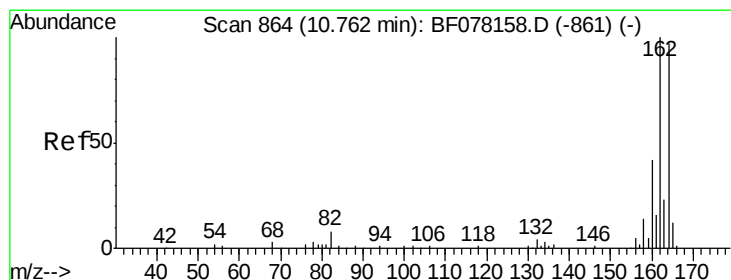
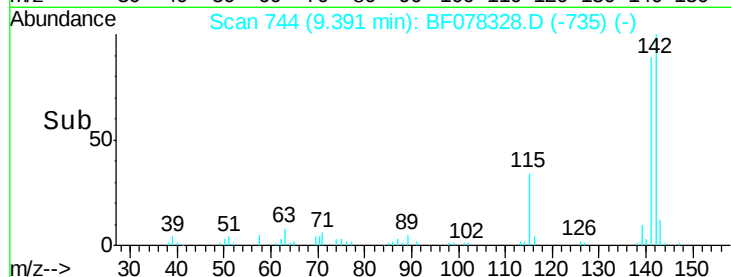
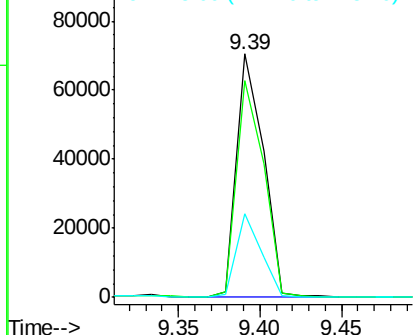
#37
2-Methylnaphthalene
Concen: 15.03 ng
RT: 9.39 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

Instrument :
BNA_F
ClientSampleId :
SB-3DDL2

Tot Ion:142 Resp: 80036
Ion Ratio Lower Upper
142 100
141 89.0 70.3 105.5
115 34.2 24.6 37.0

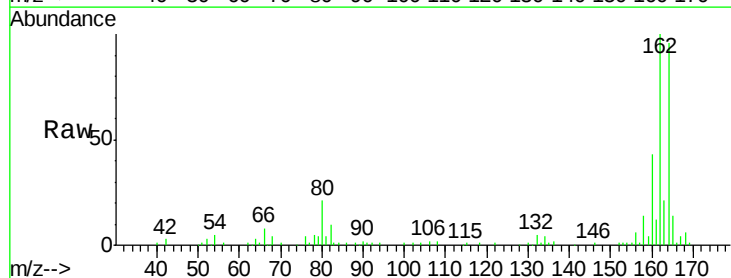


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

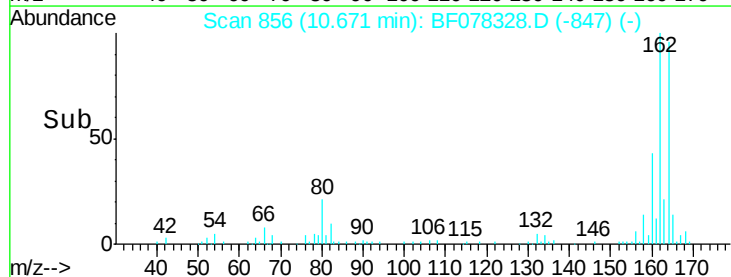
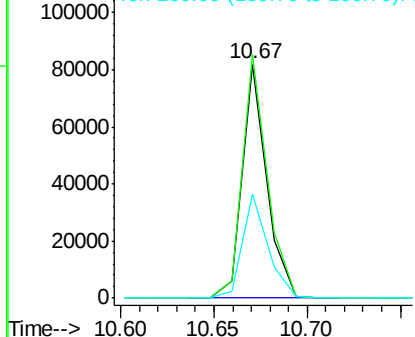


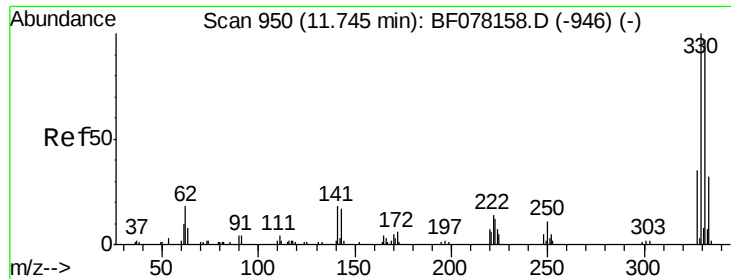
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.67 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

Tgt Ion:164 Resp: 74835
Ion Ratio Lower Upper
164 100
162 104.1 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

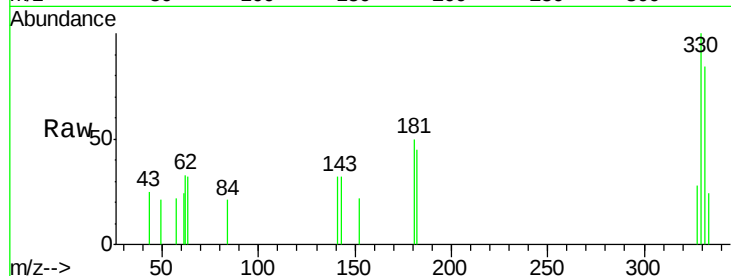




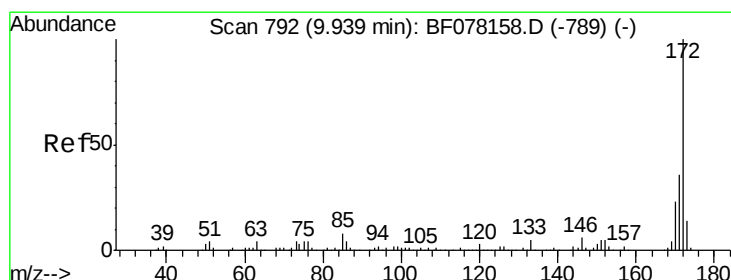
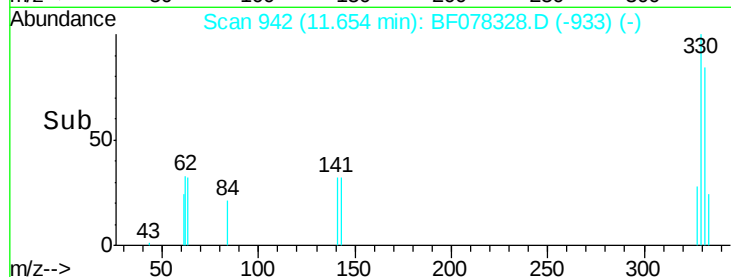
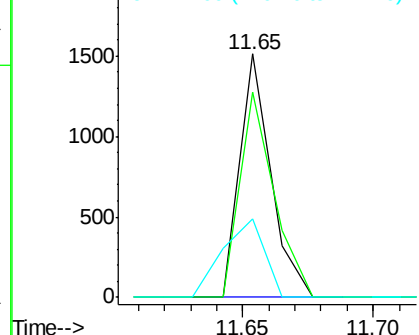
#41
 2,4,6-Tribromophenol
 Concen: 2.03 ng
 RT: 11.65 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DDL2

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.3	78.6	117.8
141	43.5	31.2	46.8

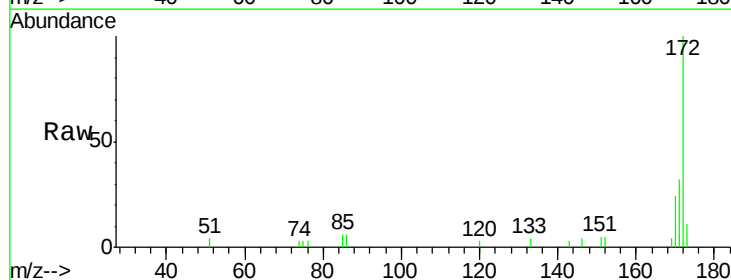


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

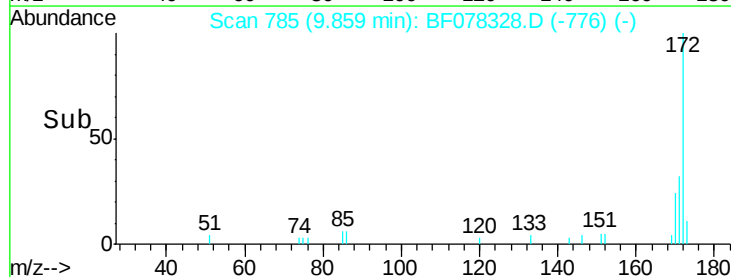
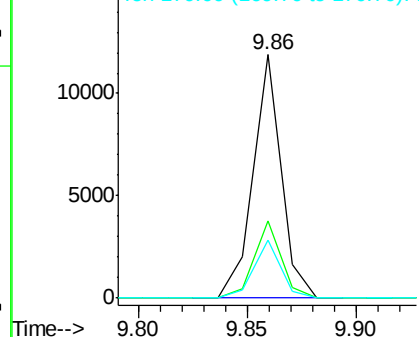


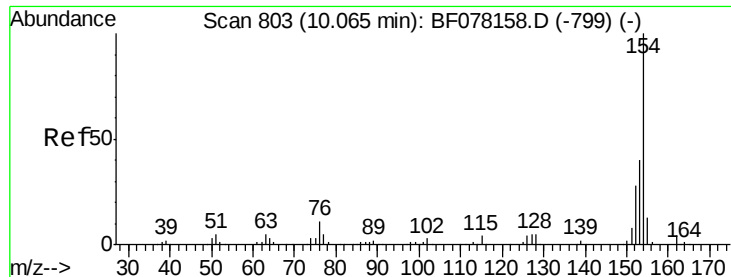
#44
 2-Fluorobiphenyl
 Concen: 2.04 ng
 RT: 9.86 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.9	28.6	42.8
170	23.8	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





#45

1,1'-Biphenyl

Concen: 5.97 ng

RT: 9.97 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

Instrument :

BNA_F

ClientSampleId :

SB-3DDL2

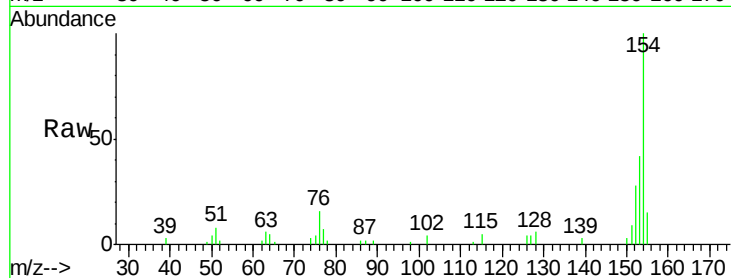
Tot Ion:154 Resp: 36555

Ion Ratio Lower Upper

154 100

153 41.5 20.0 60.0

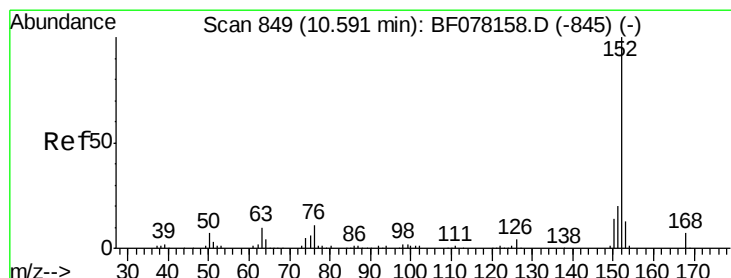
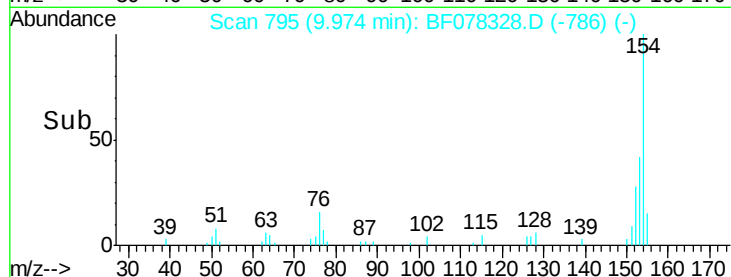
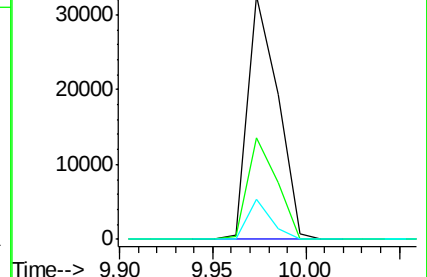
76 16.3 0.0 30.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 2.68 ng

RT: 10.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

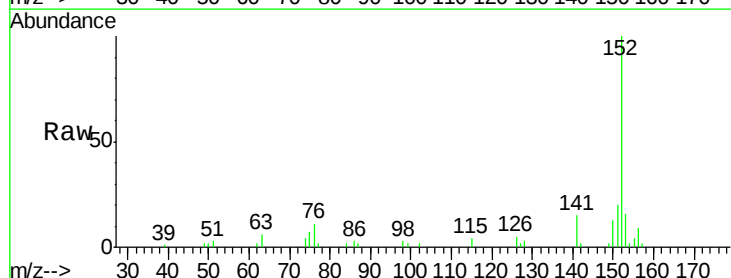
Tgt Ion:152 Resp: 20853

Ion Ratio Lower Upper

152 100

151 20.1 15.7 23.5

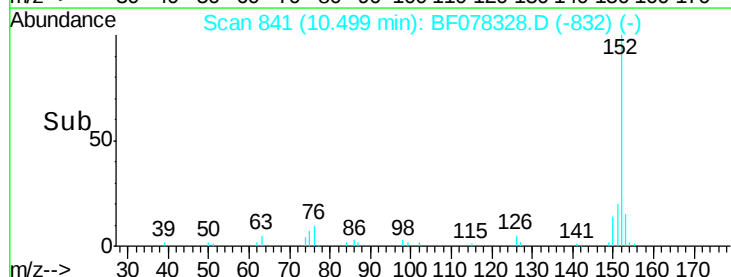
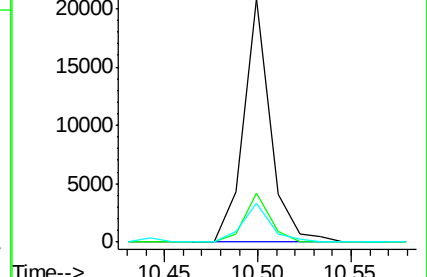
153 16.0 10.2 15.2#

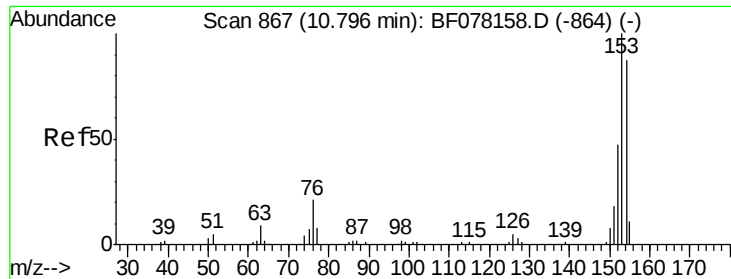


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 19.59 ng

RT: 10.72 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

Instrument :

BNA_F

ClientSampleId :

SB-3DDL2

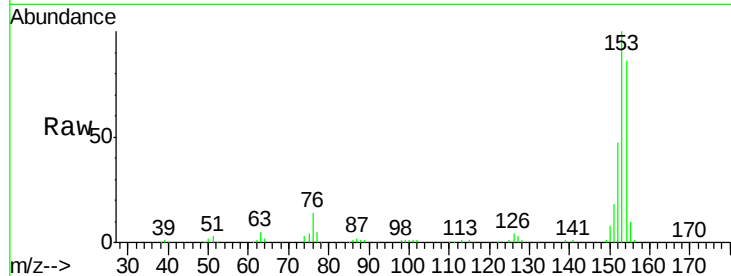
Tot Ion:154 Resp: 85784

Ion Ratio Lower Upper

154 100

153 116.6 91.4 137.2

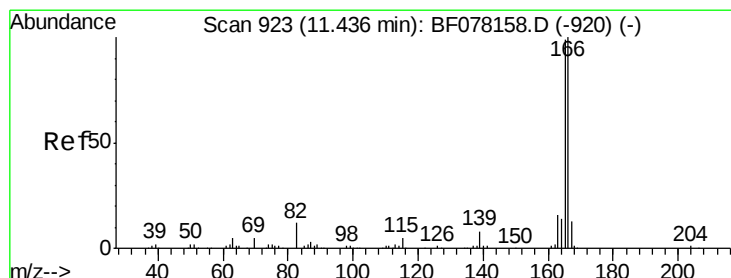
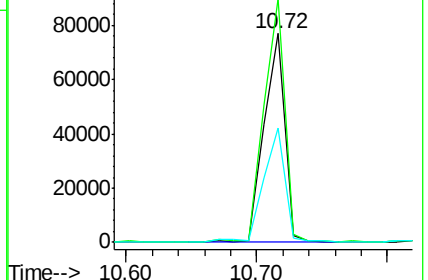
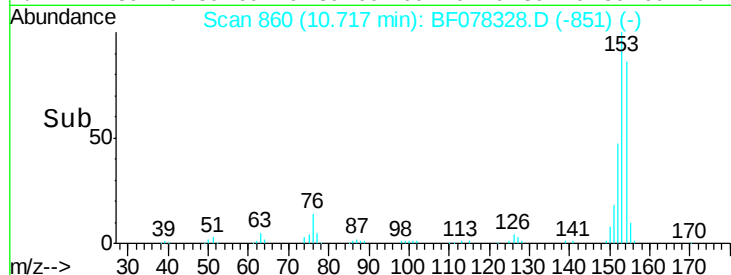
152 54.9 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 9.14 ng

RT: 11.35 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

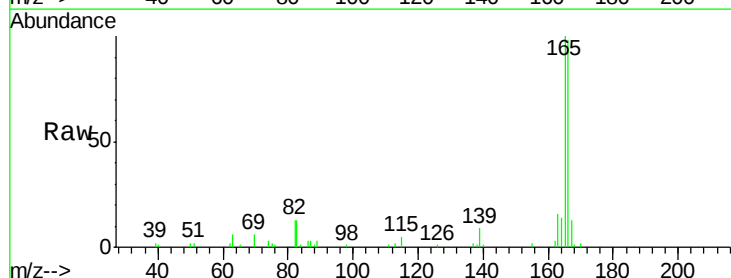
Tgt Ion:166 Resp: 49522

Ion Ratio Lower Upper

166 100

165 101.7 78.9 118.3

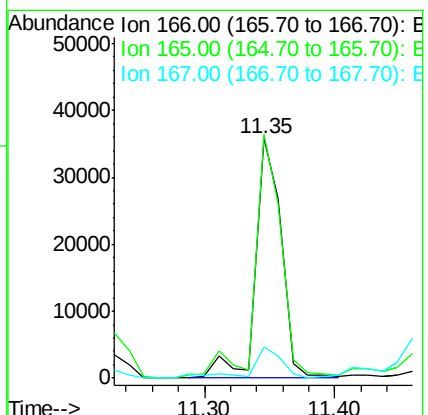
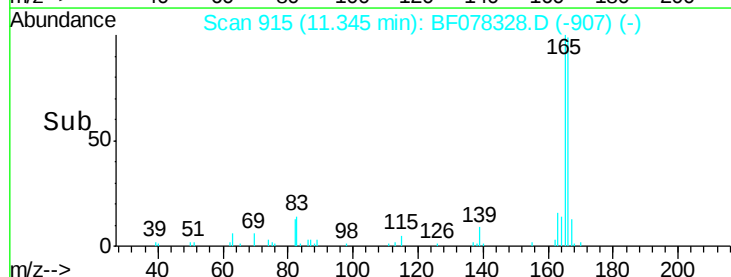
167 13.0 10.7 16.1

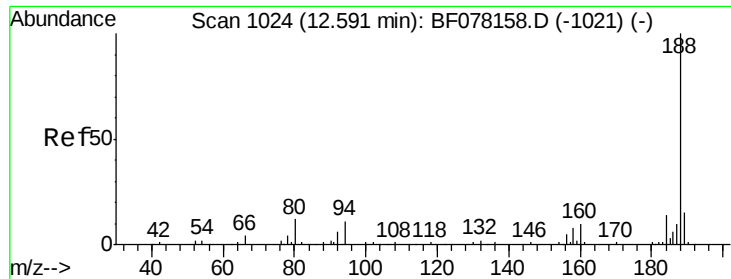


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

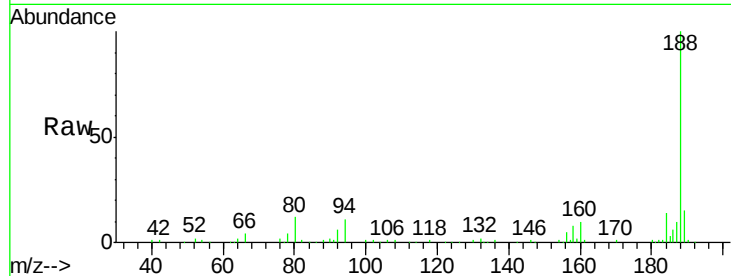




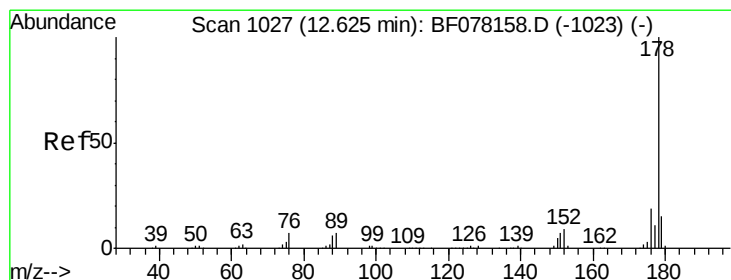
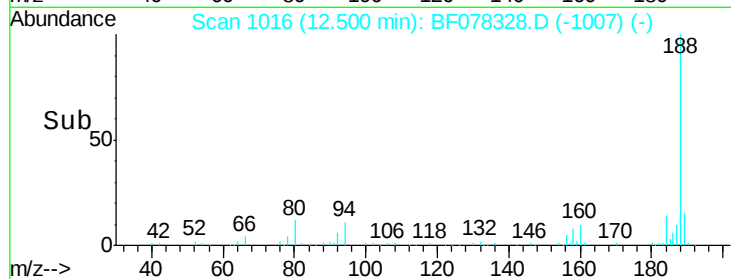
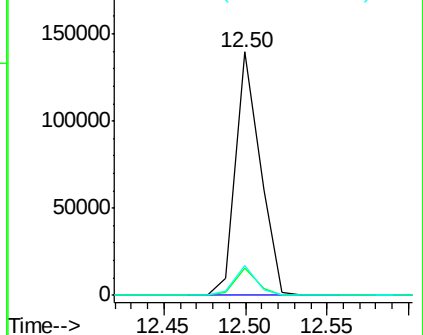
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.50 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

Instrument :
BNA_F
ClientSampleId :
SB-3DDL2

Tot Ion:188 Resp: 145720
Ion Ratio Lower Upper
188 100
94 11.0 9.0 13.4
80 12.2 9.5 14.3

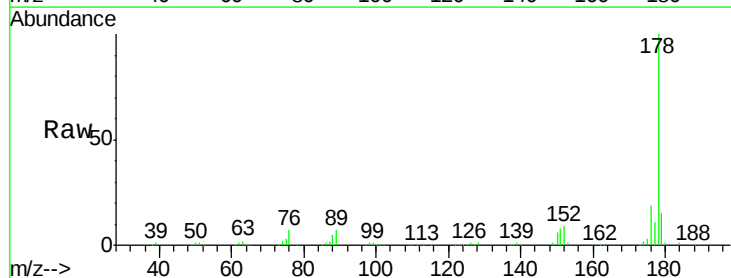


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

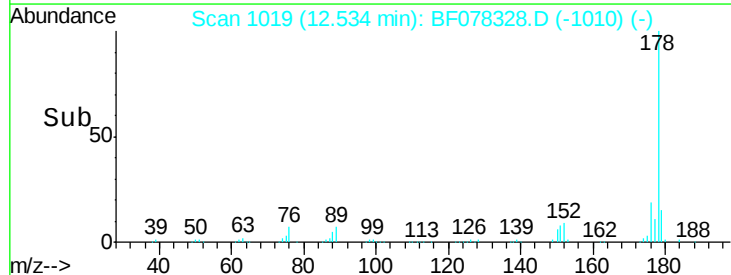
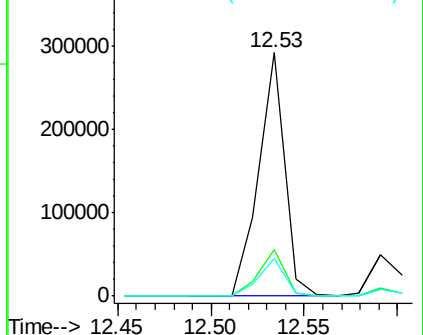


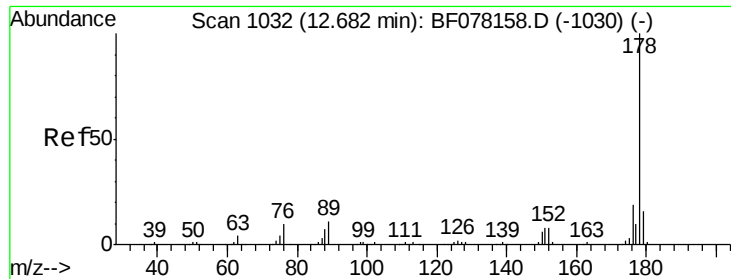
#70
Phenanthrene
Concen: 33.44 ng
RT: 12.53 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

Tgt Ion:178 Resp: 281909
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.5 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

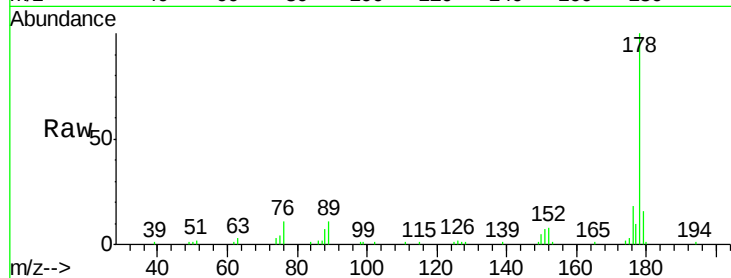




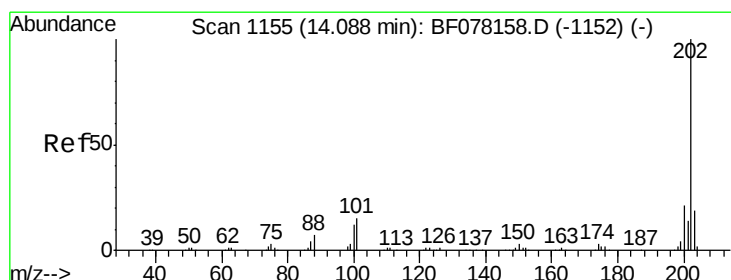
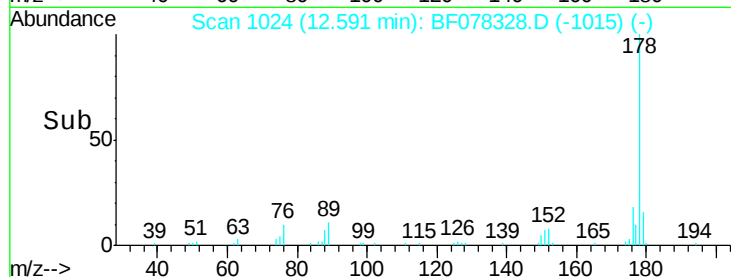
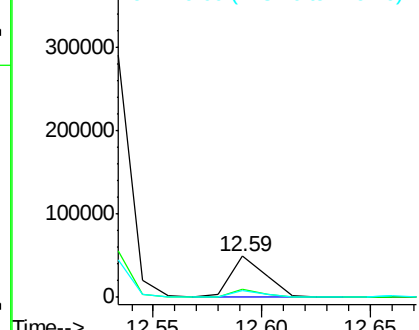
#71
 Anthracene
 Concen: 6.33 ng
 RT: 12.59 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DDL2

Tot Ion:178 Resp: 52545
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 15.8 12.4 18.6

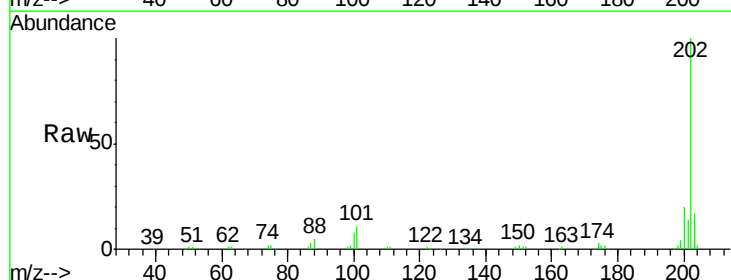


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

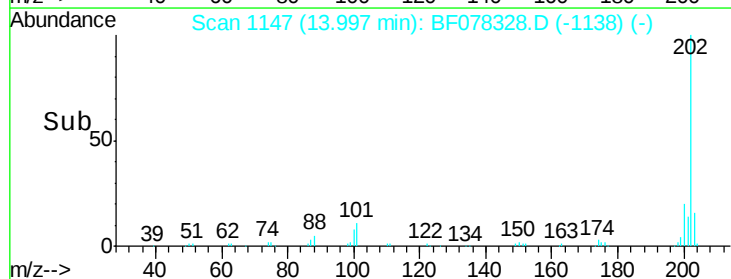
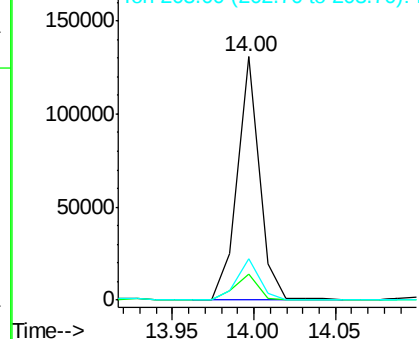


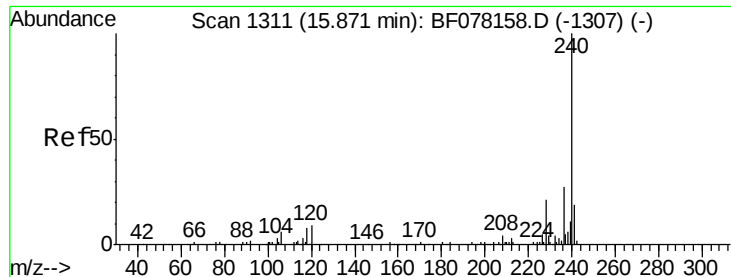
#74
 Fluoranthene
 Concen: 13.59 ng
 RT: 14.00 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Tgt Ion:202 Resp: 120831
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 35.2
 203 16.9 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: 15.77 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

Instrument :

BNA_F

ClientSampleId :

SB-3DDL2

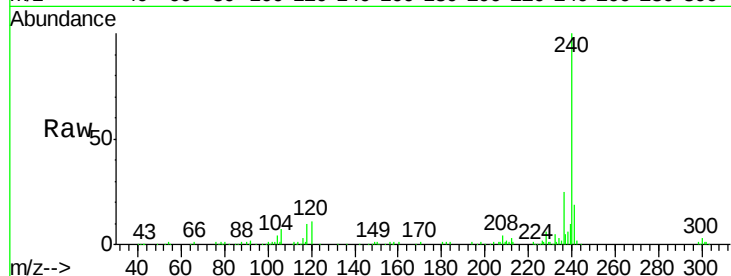
Tot Ion:240 Resp: 159233

Ion Ratio Lower Upper

240 100

120 11.4 7.1 10.7#

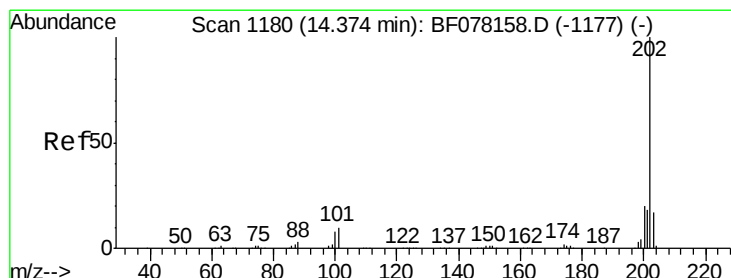
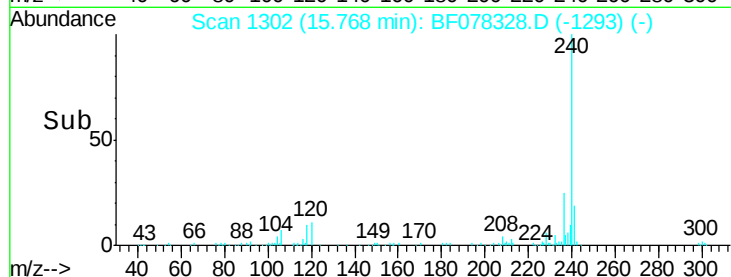
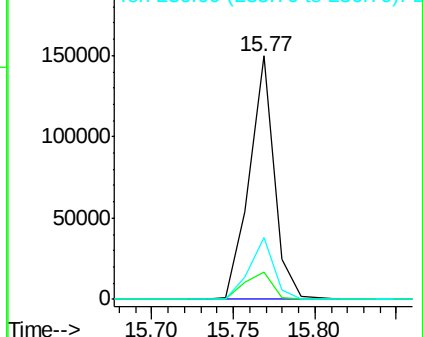
236 25.2 21.4 32.2



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: 18.50 ng

RT: 14.27 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

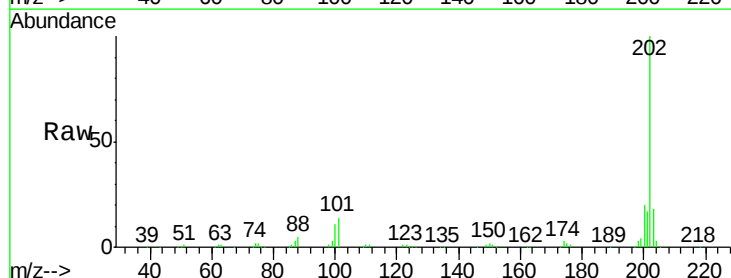
Tgt Ion:202 Resp: 184878

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

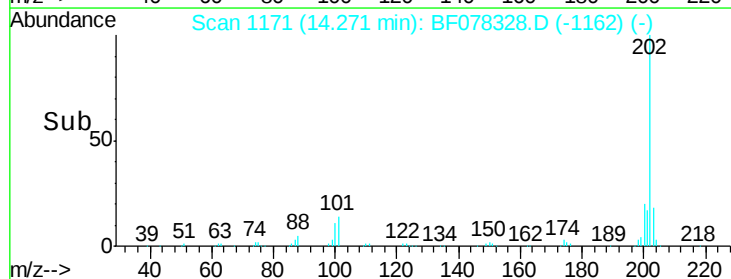
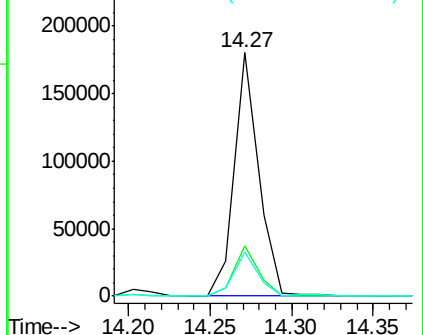
203 18.2 13.8 20.6

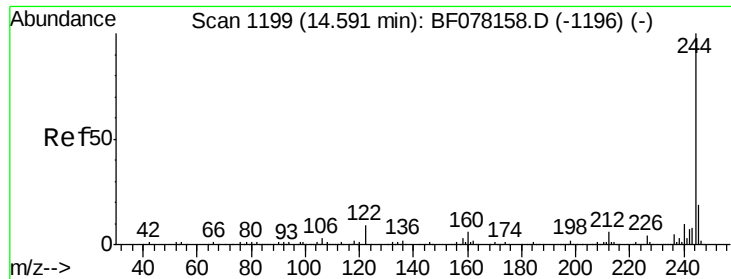


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 1.67 ng

RT: 14.49 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

Instrument :

BNA_F

ClientSampleId :

SB-3DDL2

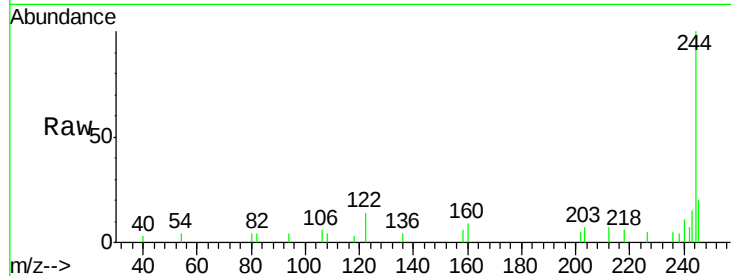
Tot Ion:244 Resp: 11754

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

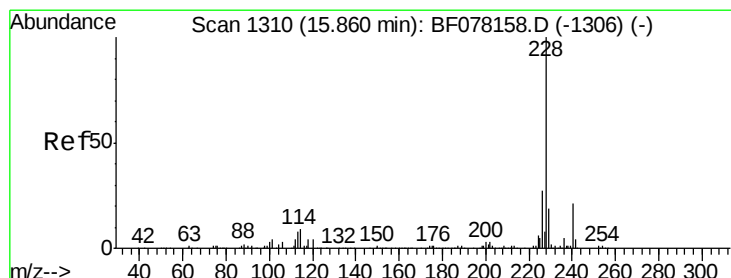
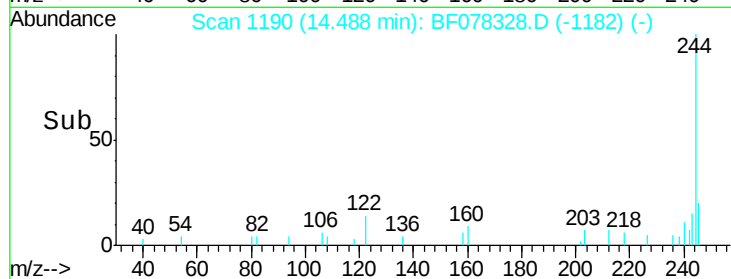
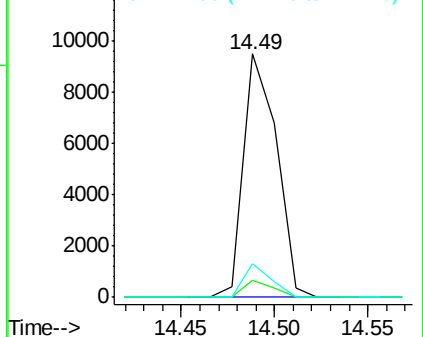
122 14.1 7.1 10.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.67 ng m

RT: 15.76 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

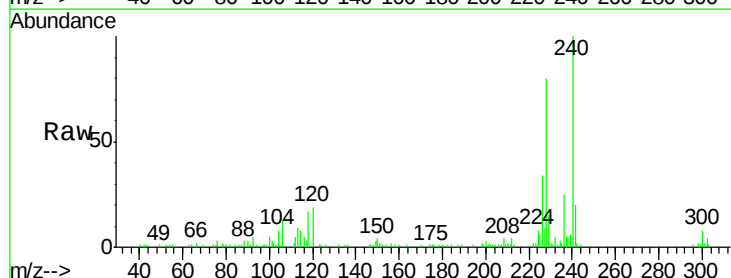
Tgt Ion:228 Resp: 53721

Ion Ratio Lower Upper

228 100

226 43.0 21.3 31.9#

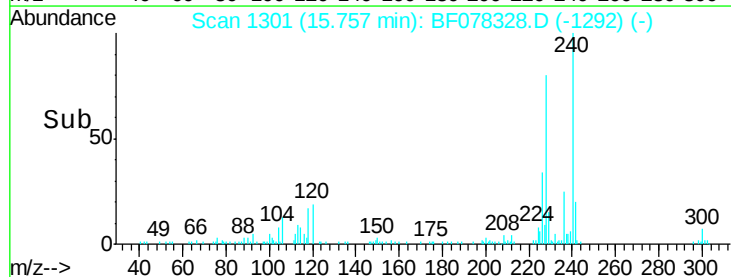
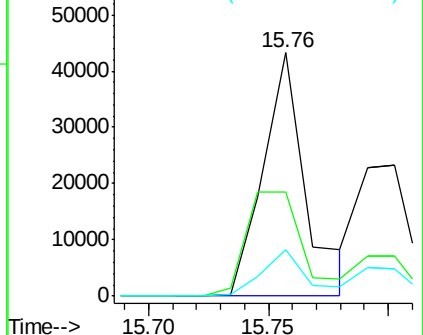
229 19.1 15.4 23.2

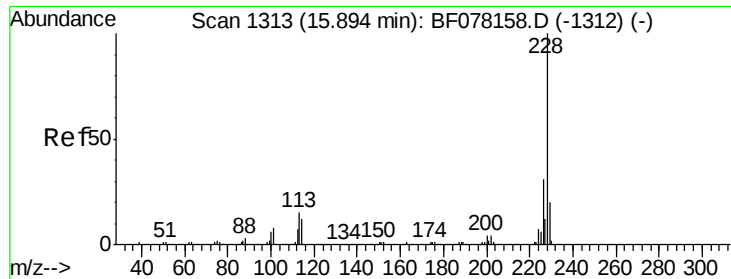


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

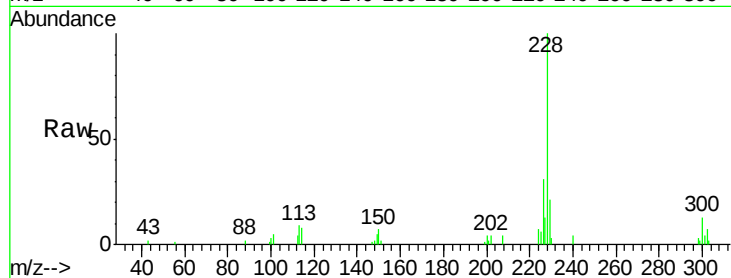




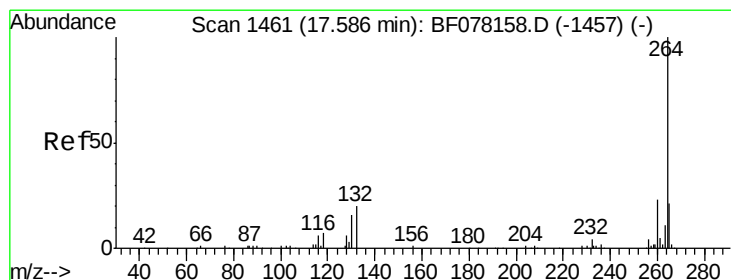
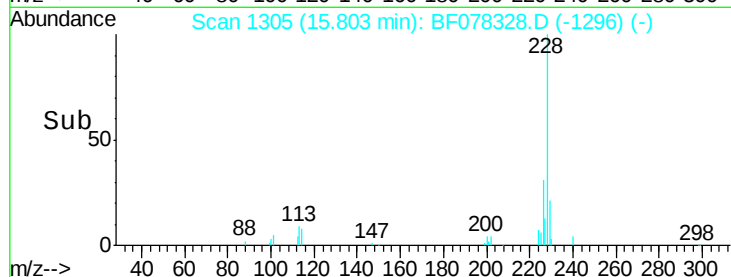
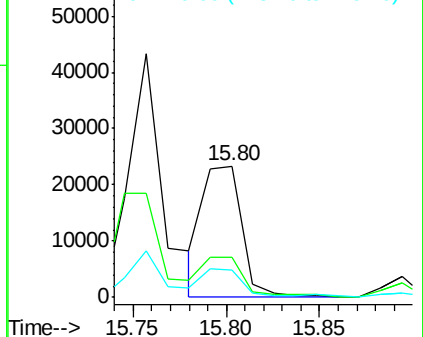
#82
Chrysene
Concen: 3.85 ng
RT: 15.80 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

Instrument :
BNA_F
ClientSampleId :
SB-3DDL2

Tot Ion:228 Resp: 34286
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.4
229 20.6 15.8 23.8

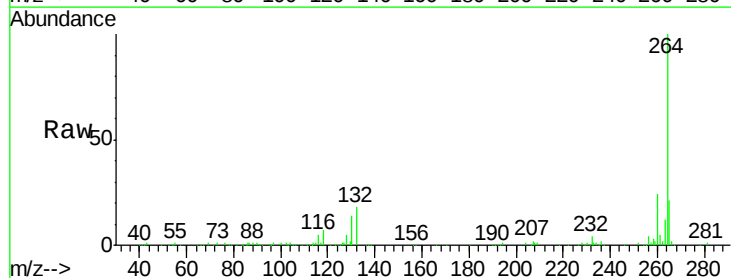


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

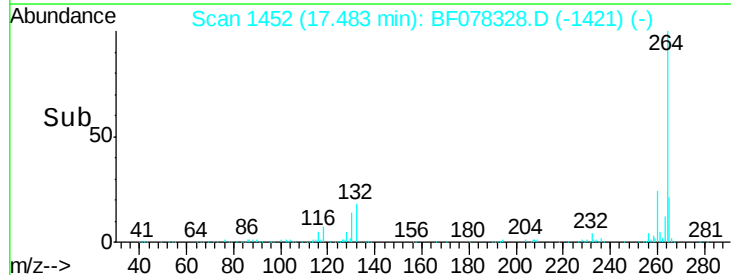
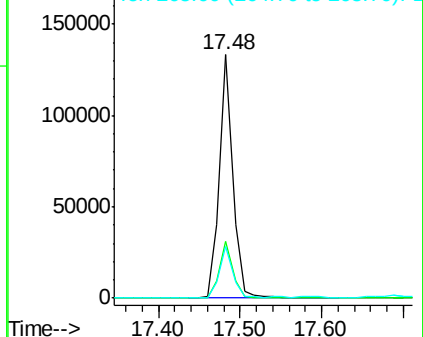


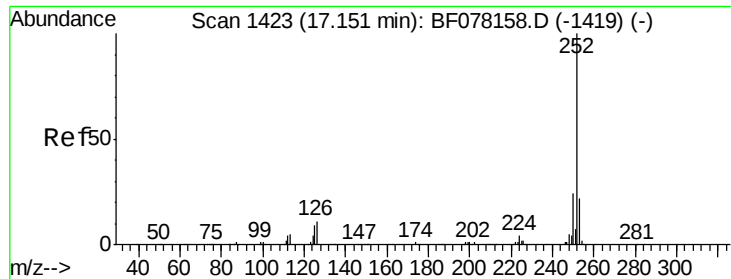
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.48 min Scan# 1452
Delta R.T. 0.06 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

Tgt Ion:264 Resp: 153827
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 21.2 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

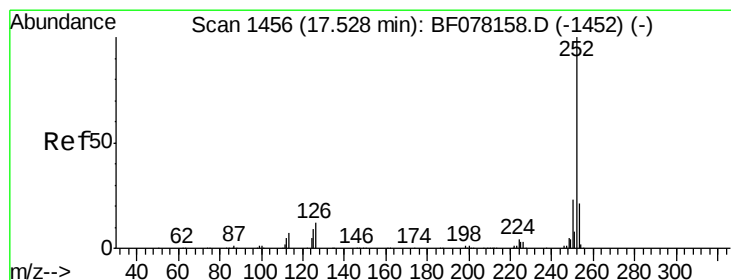
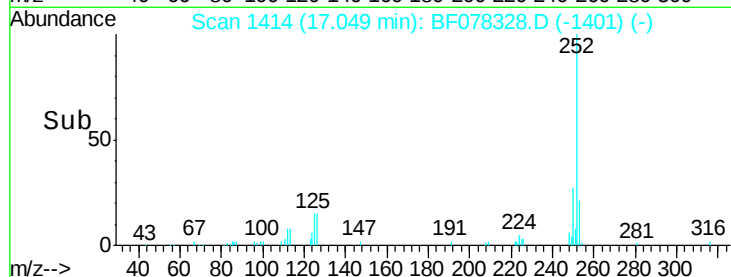
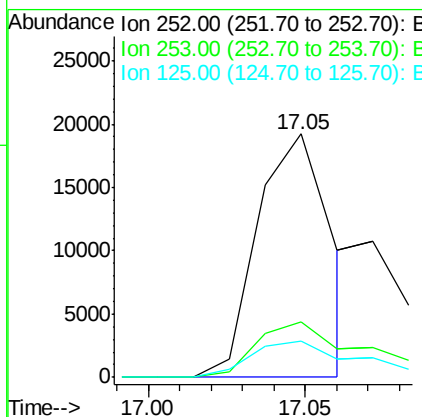
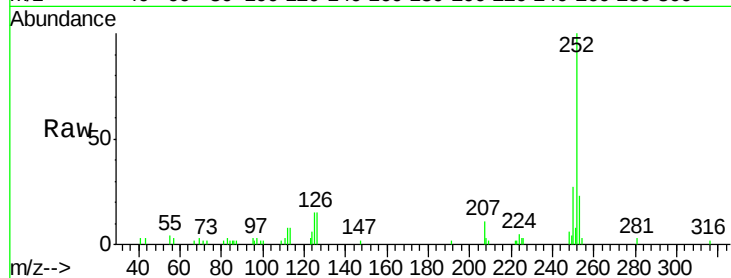




#87
Benzo(b)fluoranthene
Concen: 3.31 ng m
RT: 17.05 min Scan# 1414
Delta R.T. 0.05 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

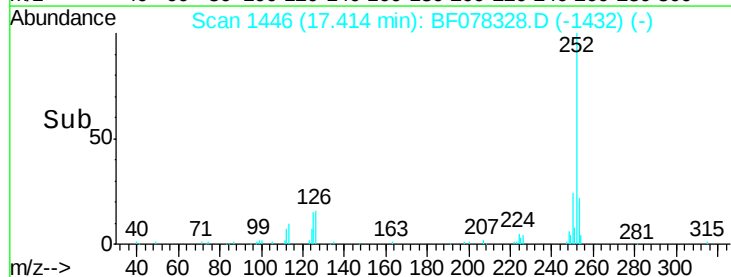
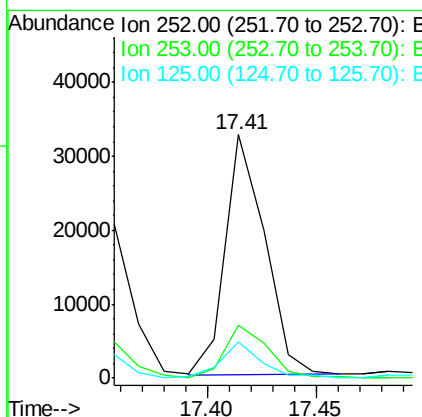
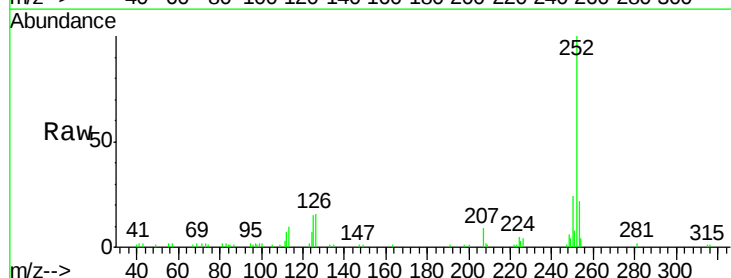
Instrument :
BNA_F
ClientSampleId :
SB-3DDL2

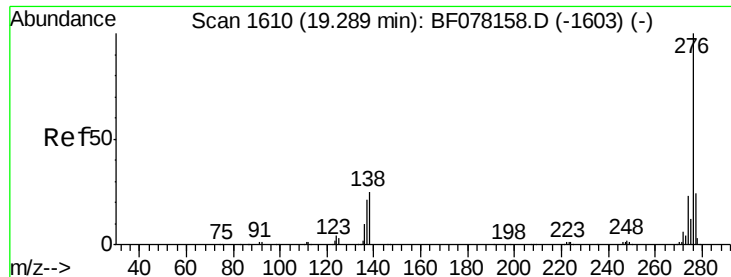
Tot Ion:252 Resp: 31470
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 15.0 7.0 10.4#



#89
Benzo(a)pyrene
Concen: 4.94 ng
RT: 17.41 min Scan# 1446
Delta R.T. 0.06 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

Tgt Ion:252 Resp: 40980
Ion Ratio Lower Upper
252 100
253 21.6 16.8 25.2
125 15.0 7.4 11.0#





#91

Benzo(a,h,i)perylene

Concen: 2.96 ng/mL

RT: 19.12 min Scan# 1595

Delta R.T. 0.08 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

Instrument :

BNA_F

ClientSampleId :

SB-3DDL2

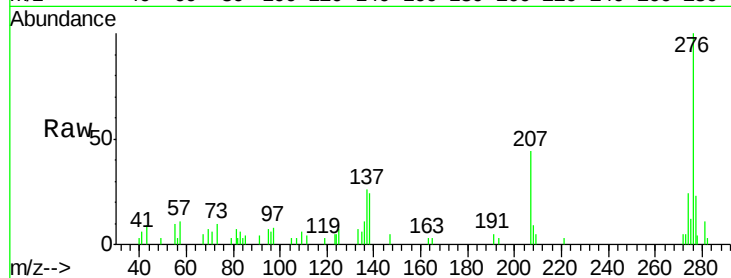
Tot Ion: 276 Resp: 24613

Ion Ratio Lower Upper

276 100

277 23.0 19.0 28.4

138 23.9 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

