

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

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DDL2

Quant Time: Apr 08 07:42:09 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

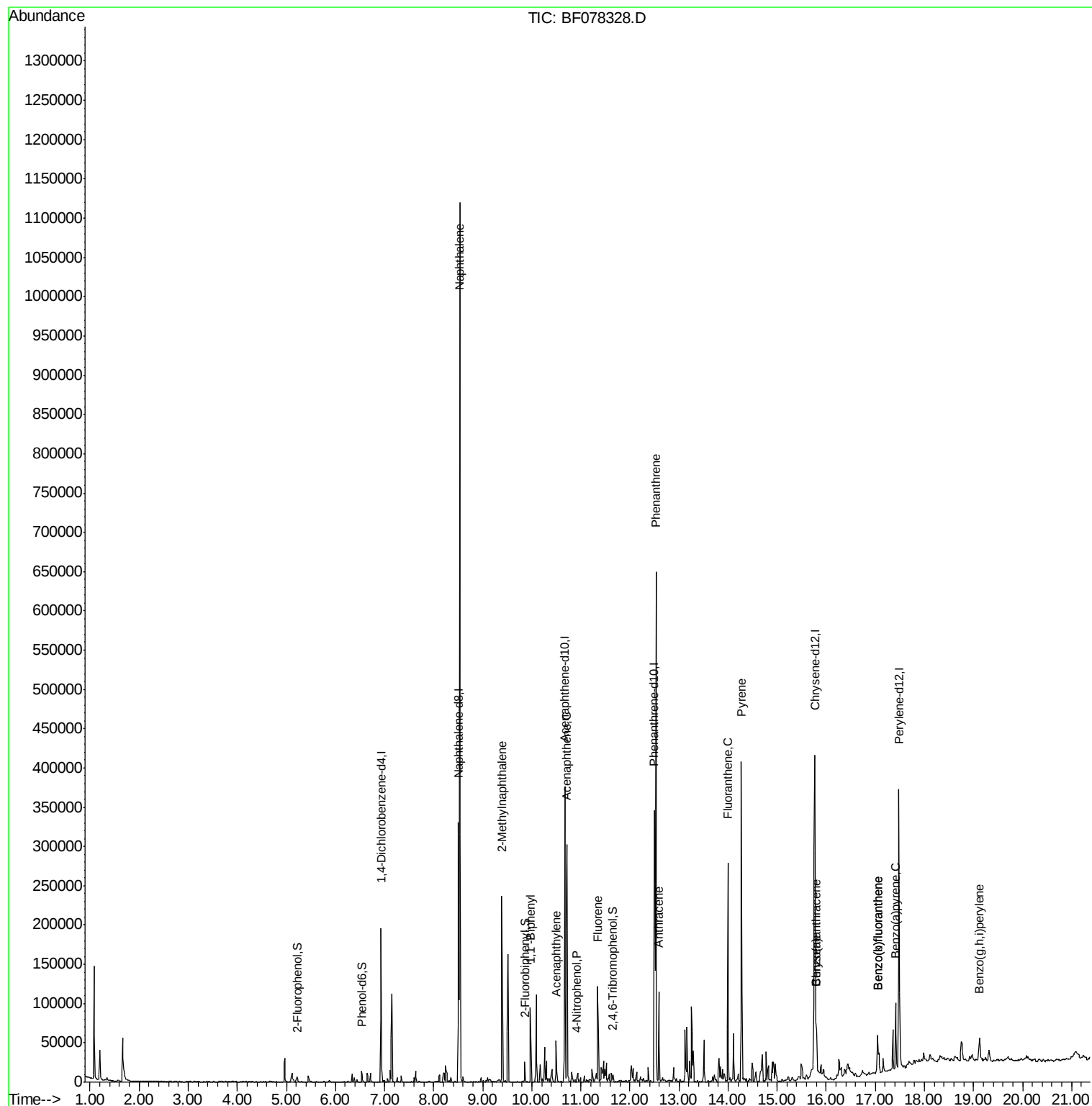
						Qvalue
31) Naphthalene	8.53	128	526249	67.10	ng	99
37) 2-Methylnaphthalene	9.39	142	80036	15.03	ng	98
45) 1,1'-Biphenyl	9.97	154	36555	5.97	ng	95
48) Acenaphthylene	10.50	152	20853	2.68	ng	# 96
51) Acenaphthene	10.72	154	85784	19.59	ng	98
55) 4-Nitrophenol	10.92	139	992	3.75	ng	# 18
57) Fluorene	11.35	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	15.80	228	29143	3.08	ng	94
82) Chrysene	15.80	228	34286	3.85	ng	99
87) Benzo(b)fluoranthene	17.05	252	44082	4.64	ng	# 93
88) Benzo(k)fluoranthene	17.05	252	44301	5.24	ng	98
89) Benzo(a)pyrene	17.41	252	40980	4.94	ng	# 94
91) Benzo(g,h,i)perylene	19.12	276	23146	2.78	ng	98

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

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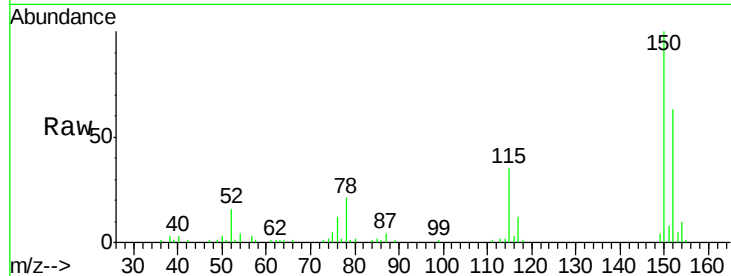




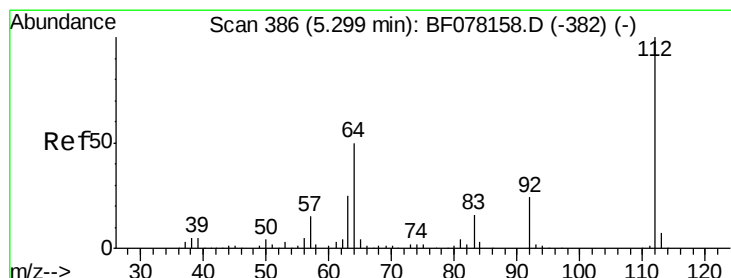
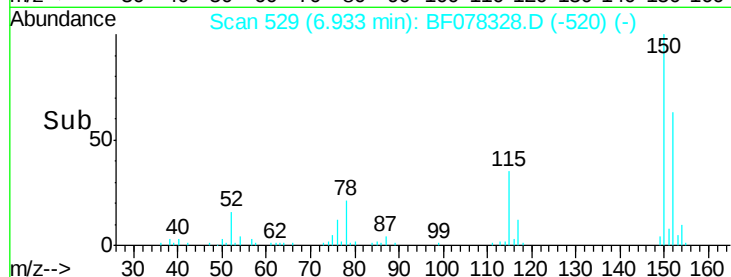
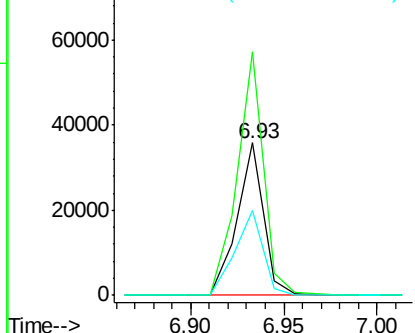
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.93 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DDL2

Tgt Ion:152 Resp: 35554
 Ion Ratio Lower Upper
 152 100
 150 159.9 125.9 188.9
 115 55.9 52.7 79.1

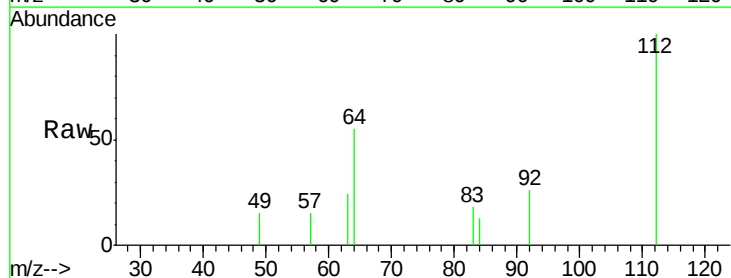


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

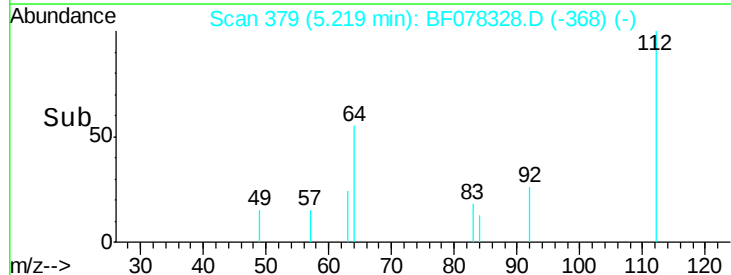
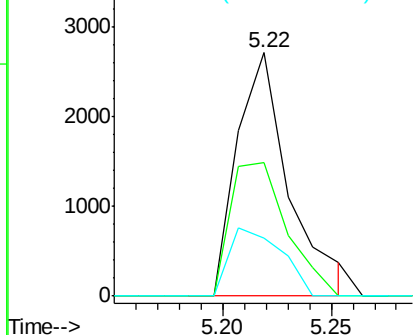


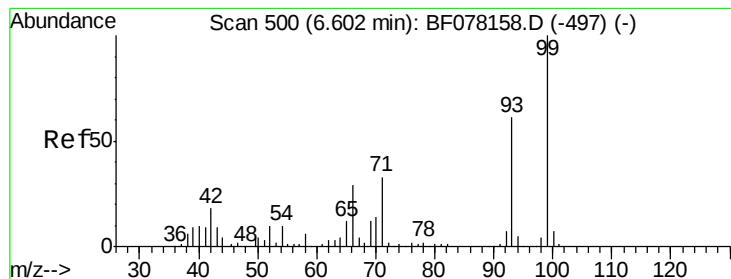
#5
 2-Fluorophenol
 Concen: 2.10 ng
 RT: 5.22 min Scan# 379
 Delta R.T. 0.02 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

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

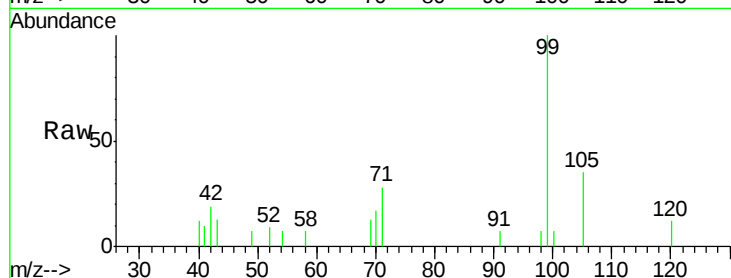
Tgt Ion: 99 Resp: 6574

Ion Ratio Lower Upper

99 100

42 19.5 14.8 22.2

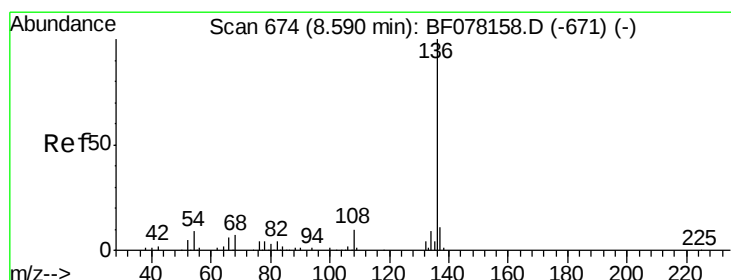
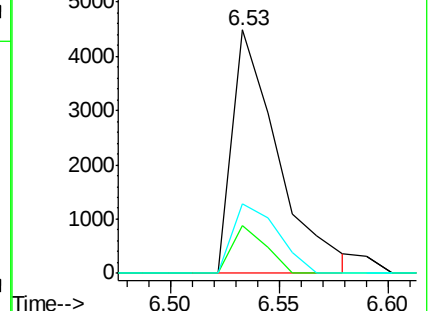
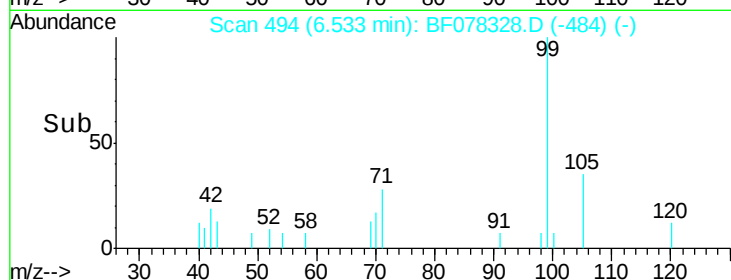
71 28.3 26.6 39.8



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

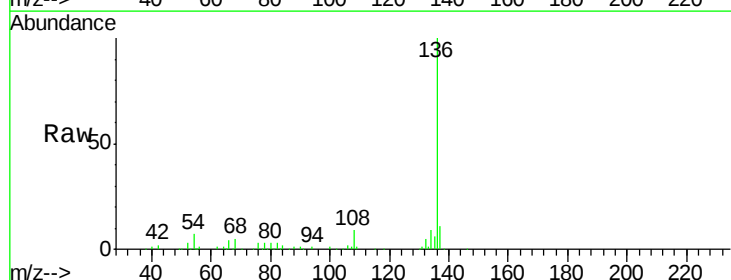
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.7 7.0 10.6#

68 5.3 5.4 8.2#

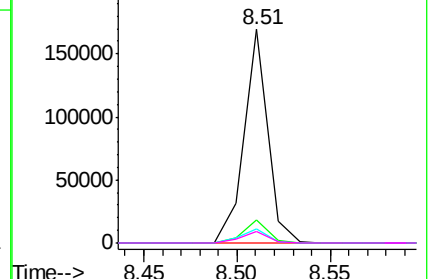
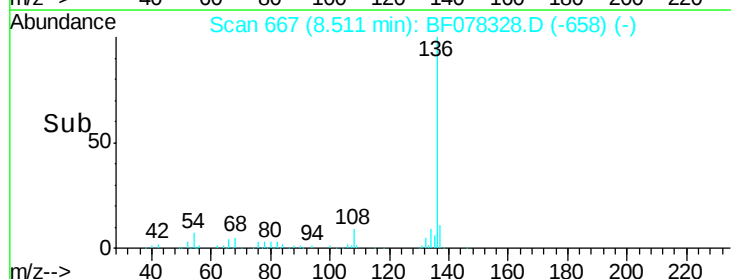


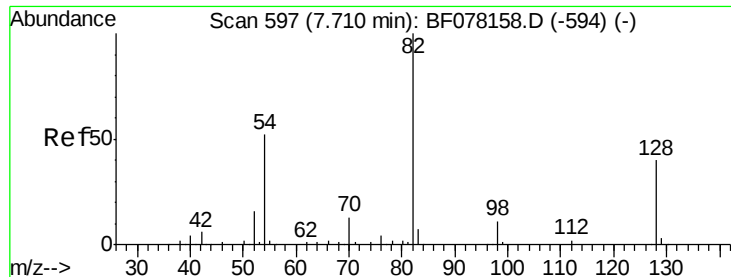
Abundance Ion 136.00 (135.70 to 136.70): E

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

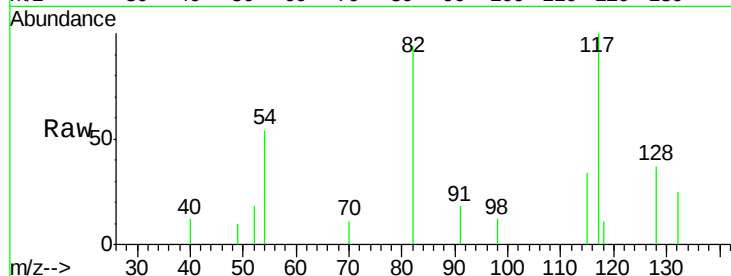
Tgt Ion: 82 Resp: 3421

Ion Ratio Lower Upper

82 100

128 39.7 31.8 47.8

54 57.2 41.5 62.3

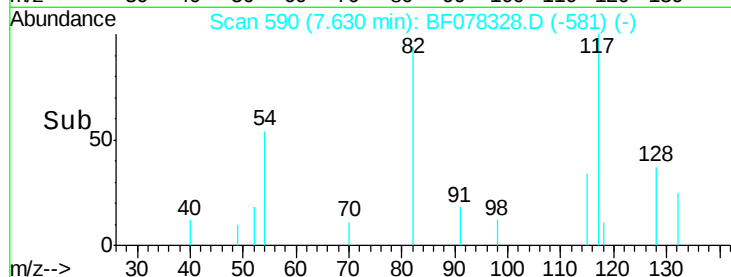


Abundance Ion 82.00 (81.70 to 82.70): BF078158.D (-594) (-)

Ion 128.00 (127.70 to 128.70): BF078158.D (-594) (-)

Ion 54.00 (53.70 to 54.70): BF078158.D (-594) (-)

Time-->



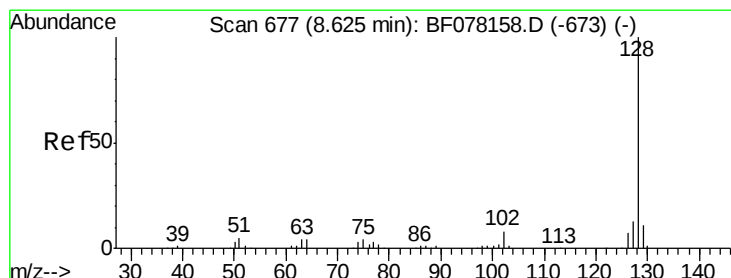
Abundance

Ion 82.00 (81.70 to 82.70): BF078328.D (-581) (-)

Ion 128.00 (127.70 to 128.70): BF078328.D (-581) (-)

Ion 54.00 (53.70 to 54.70): BF078328.D (-581) (-)

Time-->



#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

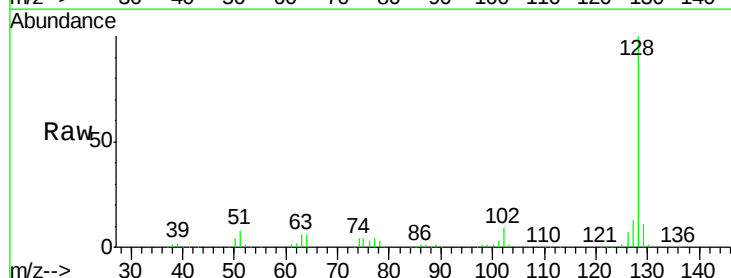
Tgt Ion: 128 Resp: 526249

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

127 13.4 10.7 16.1

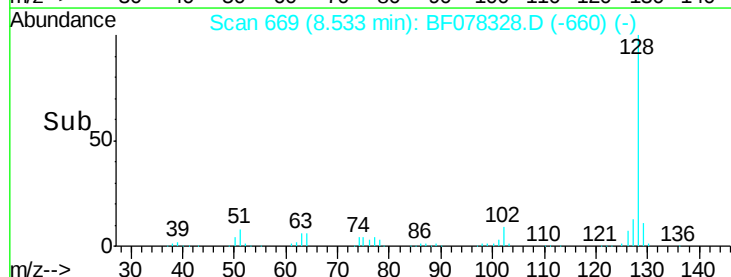


Abundance Ion 128.00 (127.70 to 128.70): BF078158.D (-673) (-)

Ion 129.00 (128.70 to 129.70): BF078158.D (-673) (-)

Ion 127.00 (126.70 to 127.70): BF078158.D (-673) (-)

Time-->



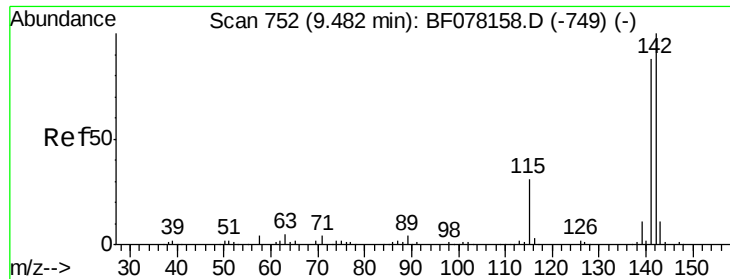
Abundance

Ion 128.00 (127.70 to 128.70): BF078328.D (-660) (-)

Ion 129.00 (128.70 to 129.70): BF078328.D (-660) (-)

Ion 127.00 (126.70 to 127.70): BF078328.D (-660) (-)

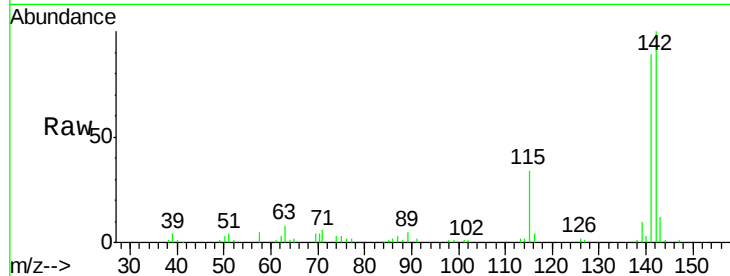
Time-->



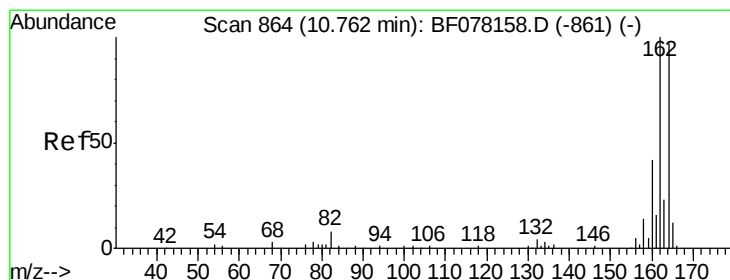
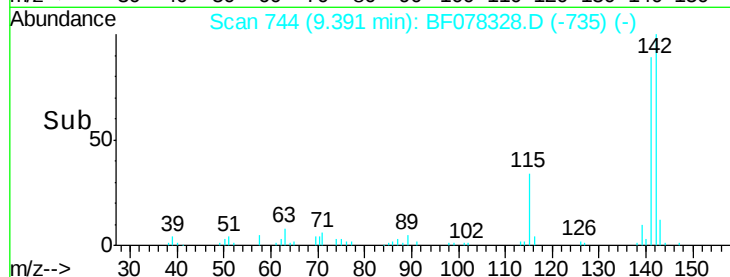
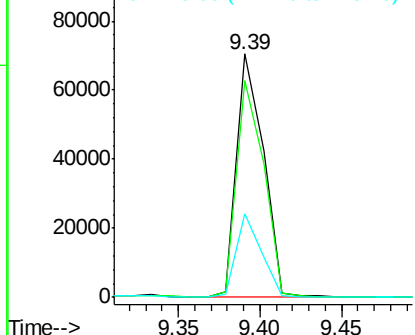
#37
 2-Methylnaphthalene
 Concen: 15.03 ng
 RT: 9.39 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DDL2

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

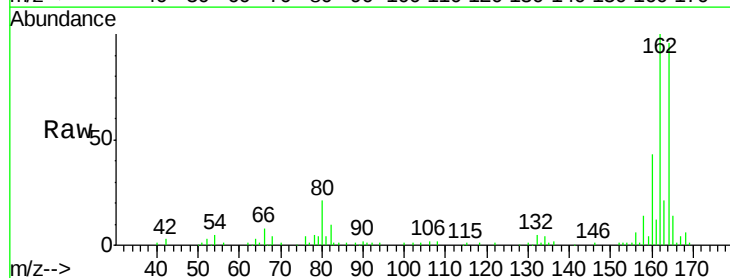


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

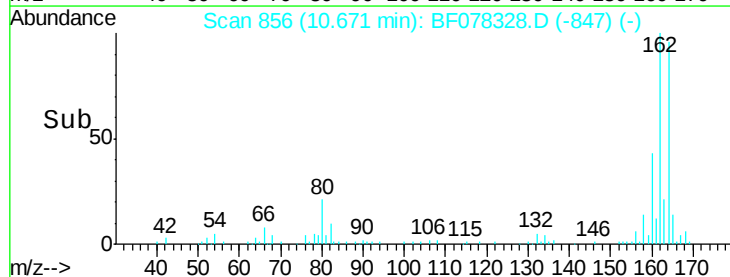
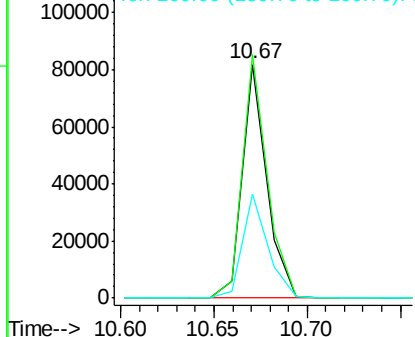


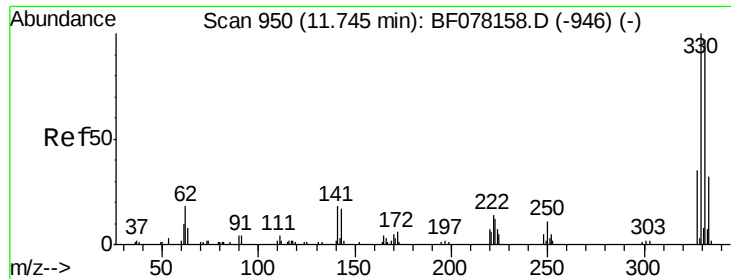
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

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

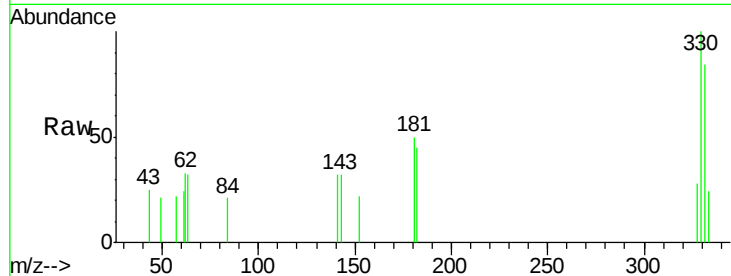




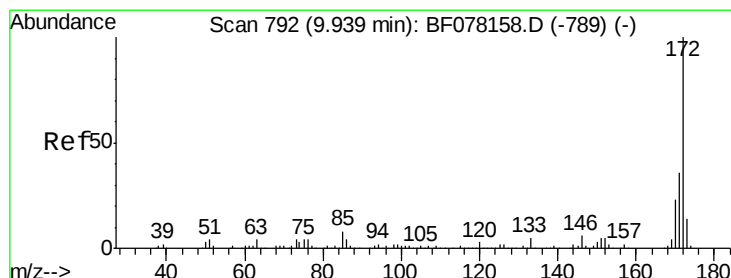
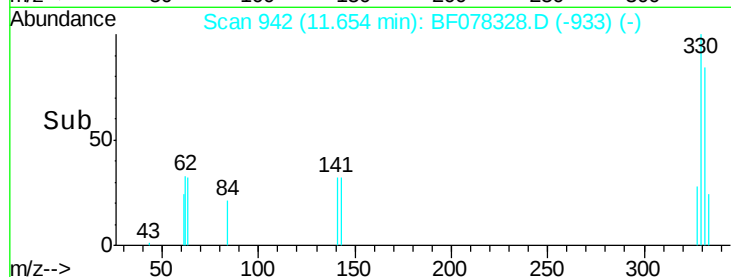
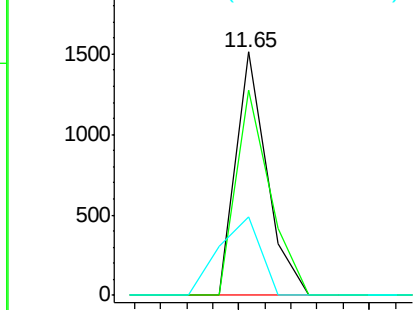
#41
 2,4,6-Tribromophenol
 Concen: 2.03 ng
 RT: 11.65 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Instrument :
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Tgt Ion:330 Resp: 1258
 Ion Ratio Lower Upper
 330 100
 332 92.3 78.6 117.8
 141 43.5 31.2 46.8

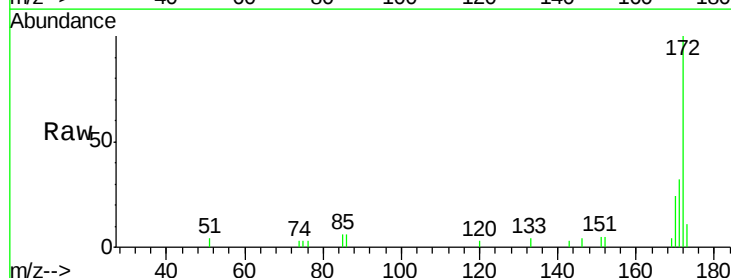


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

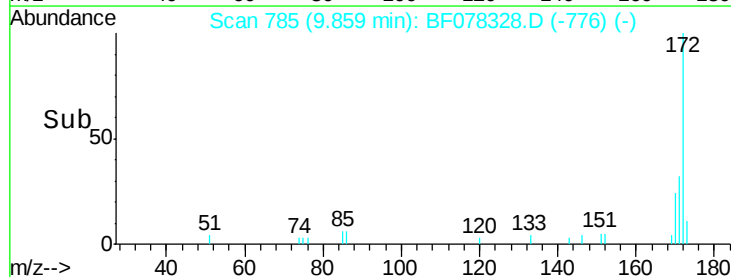
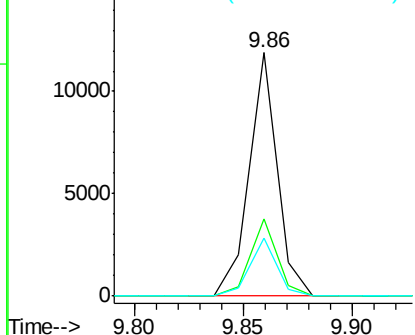


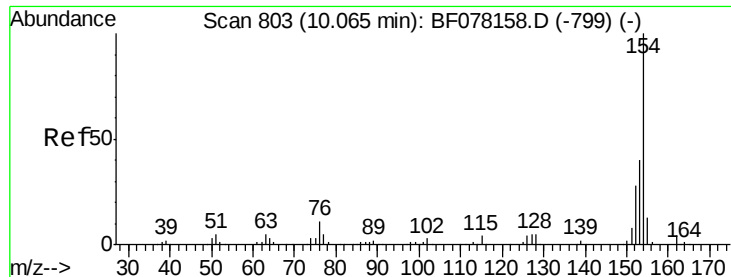
#44
 2-Fluorobiphenyl
 Concen: 2.04 ng
 RT: 9.86 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Tgt Ion:172 Resp: 10665
 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

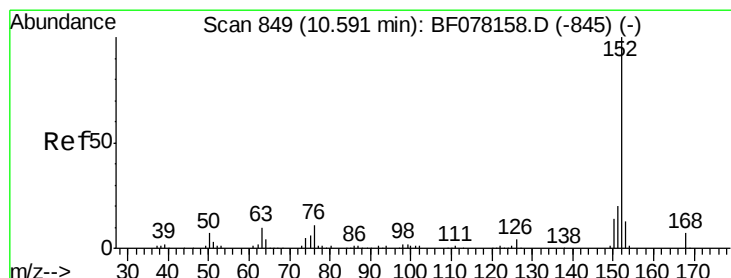
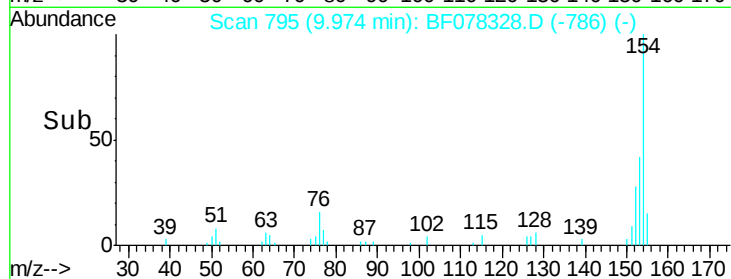
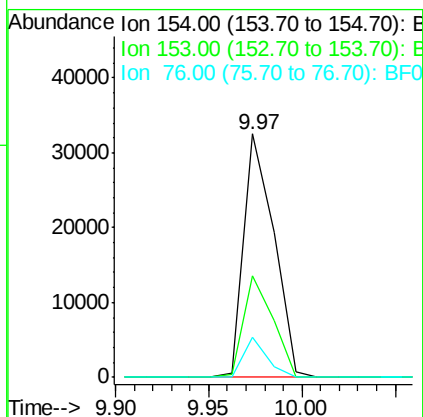
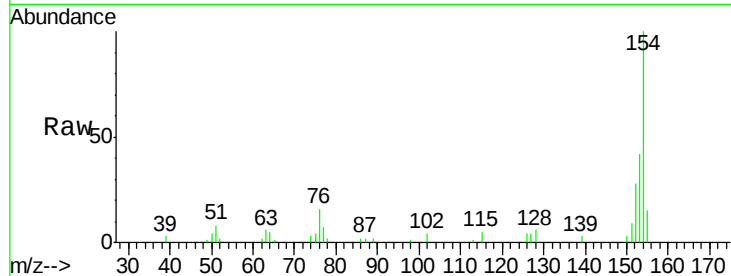




#45
1,1'-Biphenyl
Concen: 5.97 ng
RT: 9.97 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

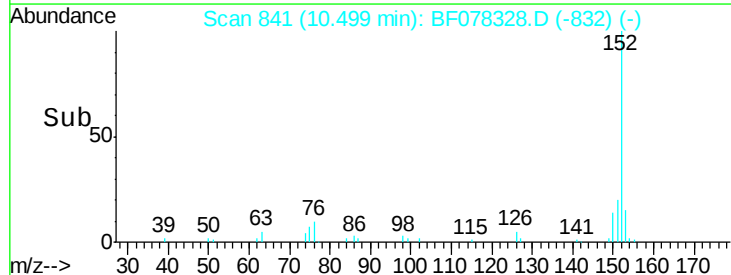
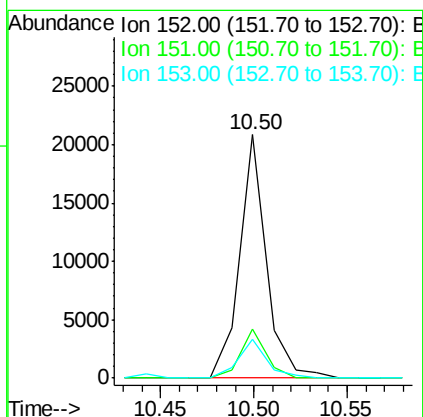
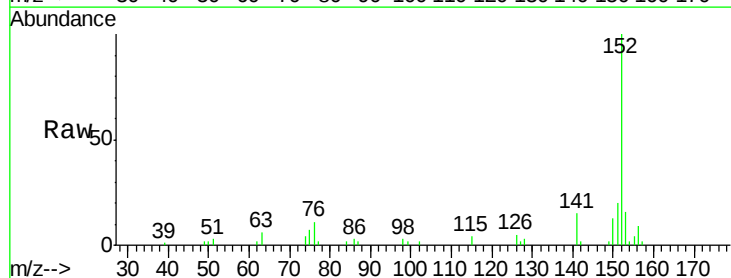
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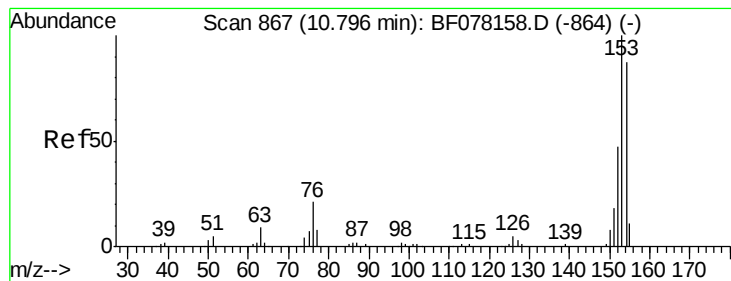
Tgt Ion:154 Resp: 36555
Ion Ratio Lower Upper
154 100
153 41.5 20.0 60.0
76 16.3 0.0 30.6



#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#





#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

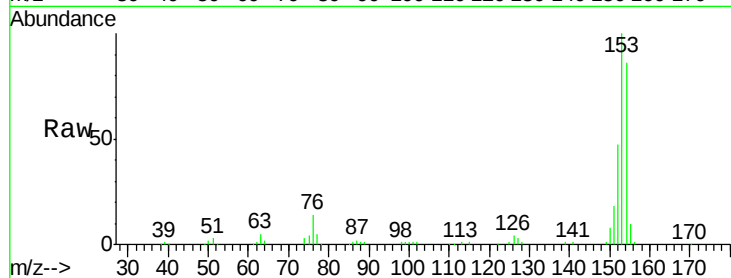
Tgt Ion:154 Resp: 85784

Ion Ratio Lower Upper

154 100

153 116.6 91.4 137.2

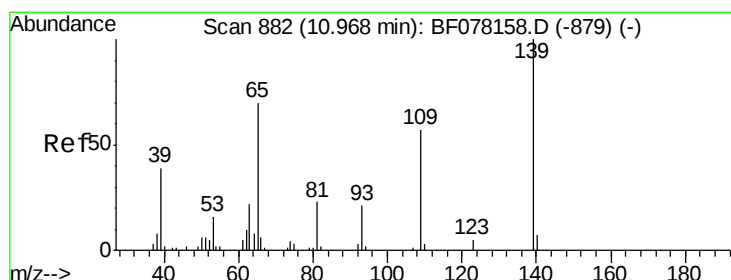
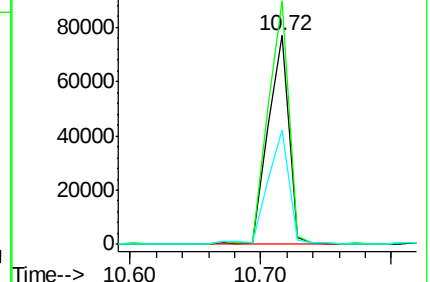
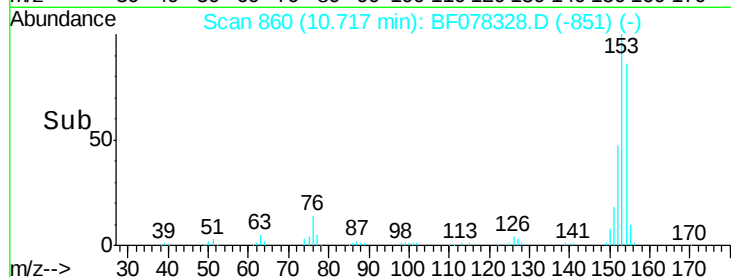
152 54.9 43.0 64.6



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



#55

4-Nitrophenol

Concen: 3.75 ng

RT: 10.92 min Scan# 878

Delta R.T. 0.03 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

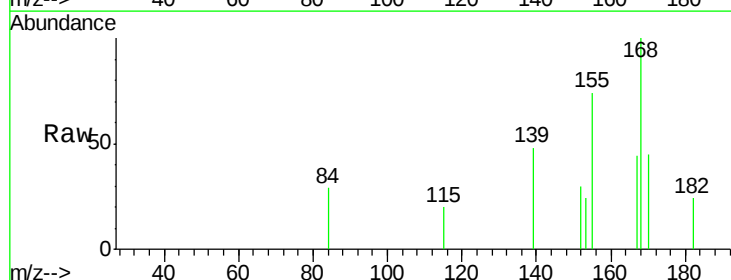
Tgt Ion:139 Resp: 992

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

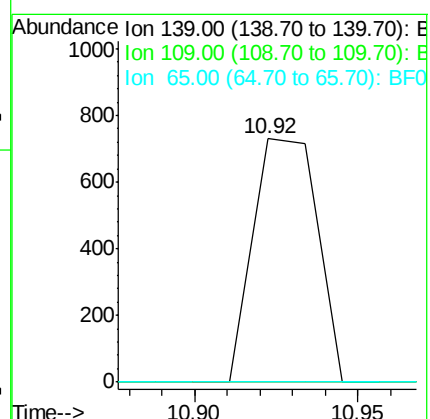
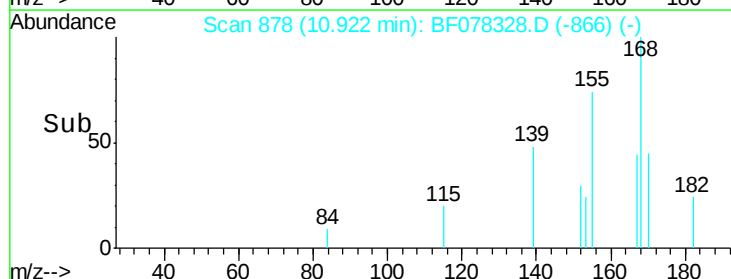
65 0.0 49.9 89.9#

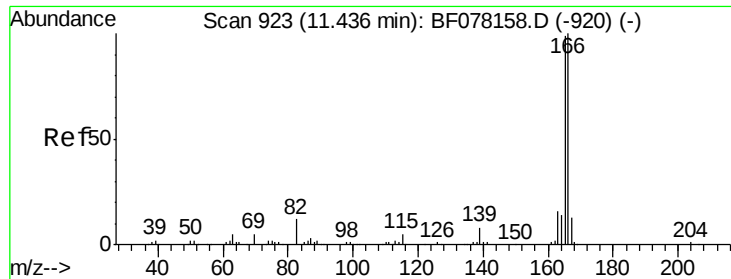


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

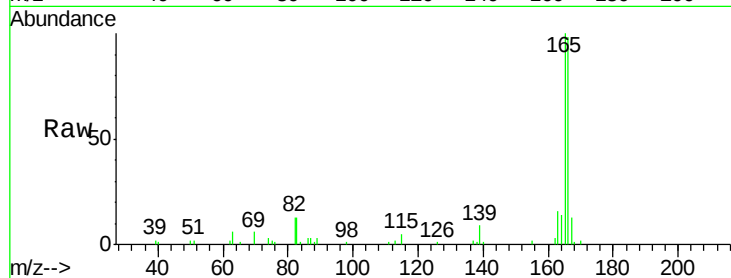




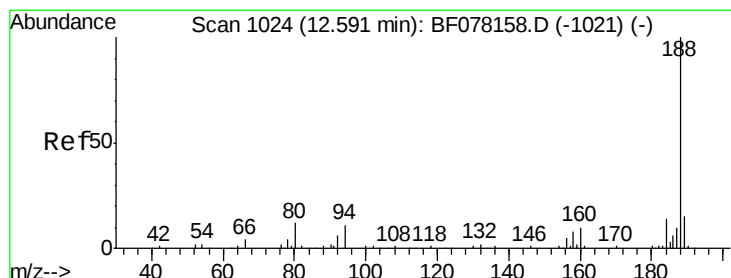
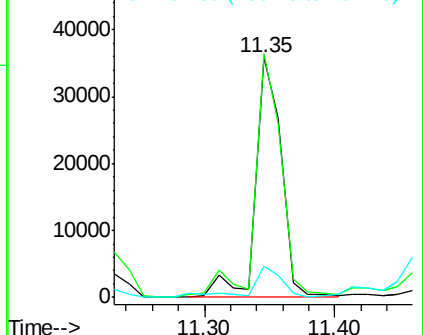
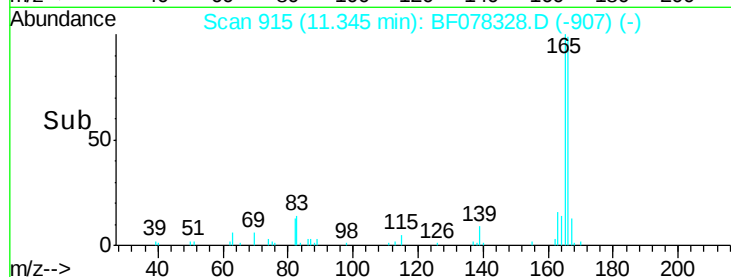
#57
Fluorene
 Concen: 9.14 ng
 RT: 11.35 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DDL2

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

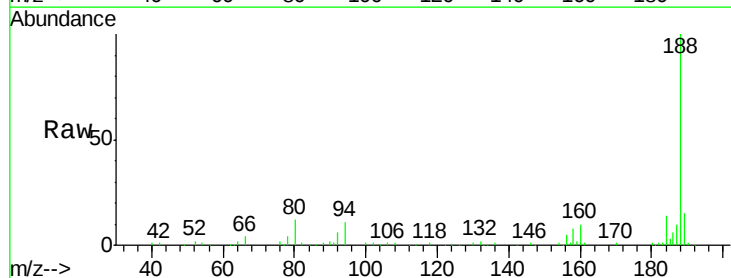


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

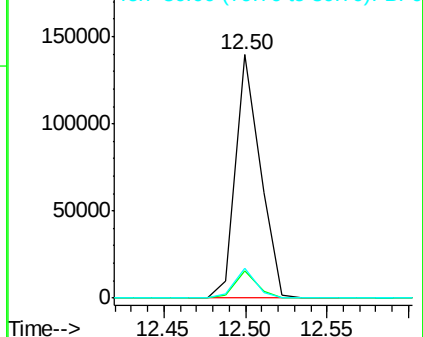
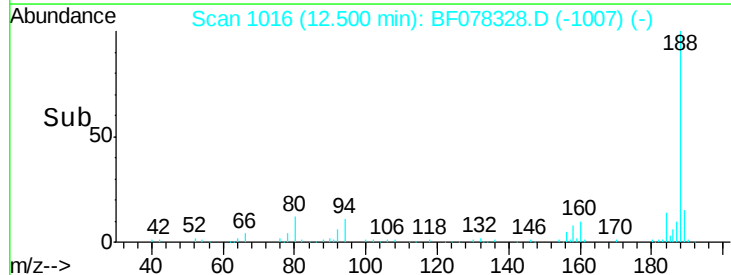


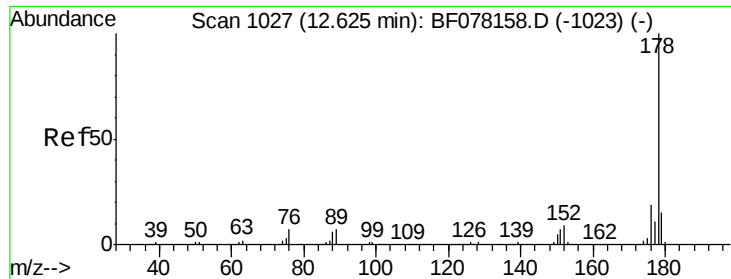
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.50 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

Tgt 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

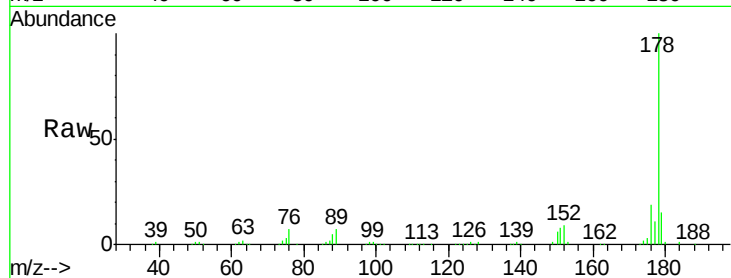




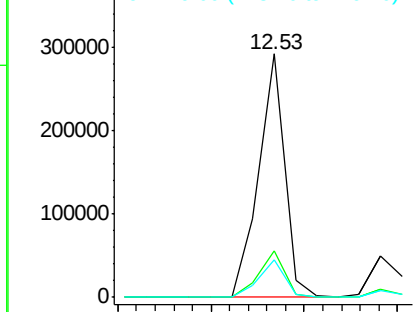
#70
Phenanthrene
Concen: 33.44 ng
RT: 12.53 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

Instrument :
BNA_F
ClientSampleId :
SB-3DDL2

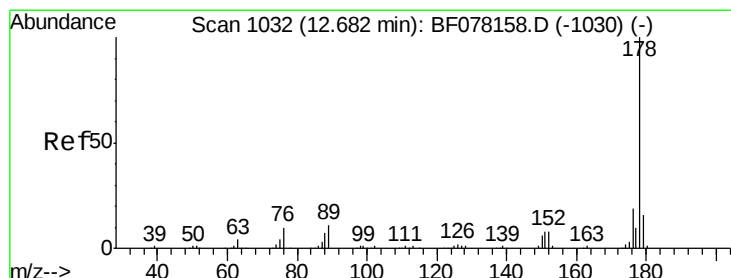
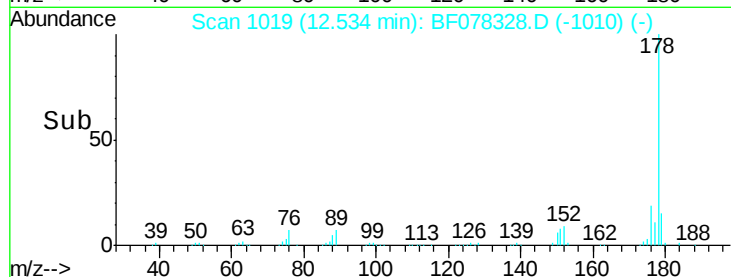
Tgt Ion:178 Resp: 281909
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.5 12.2 18.2



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

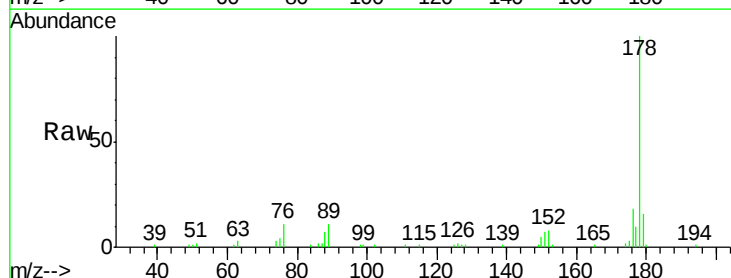


Time--> 12.45 12.50 12.55

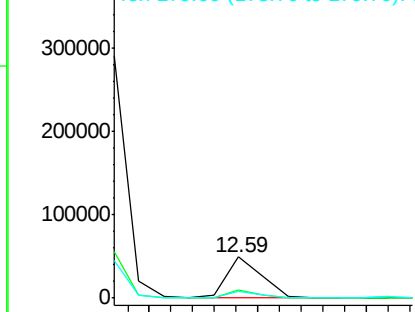


#71
Anthracene
Concen: 6.33 ng
RT: 12.59 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

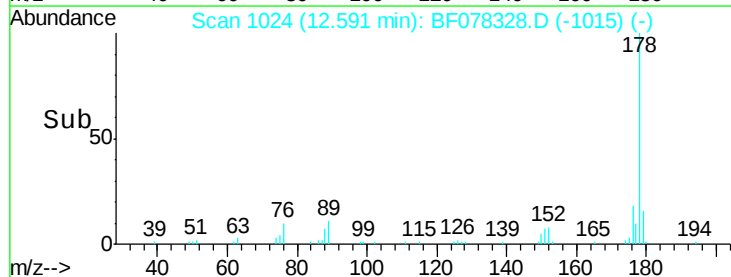
Tgt Ion:178 Resp: 52545
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 15.8 12.4 18.6

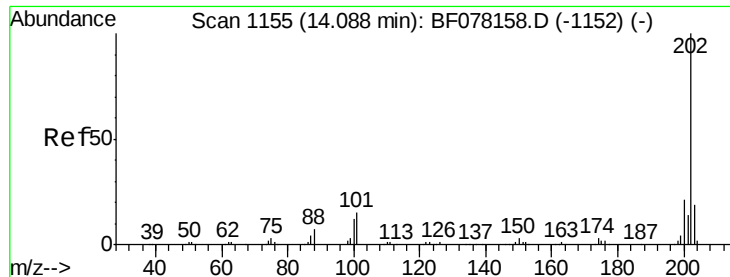


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 12.55 12.60 12.65

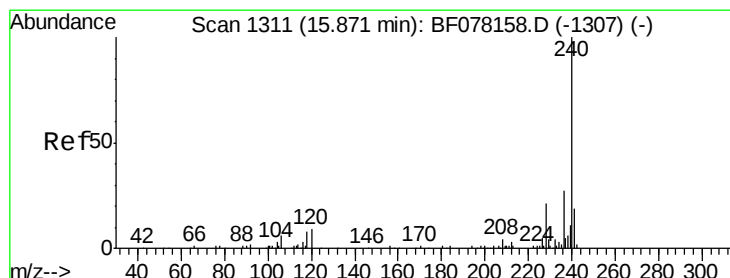
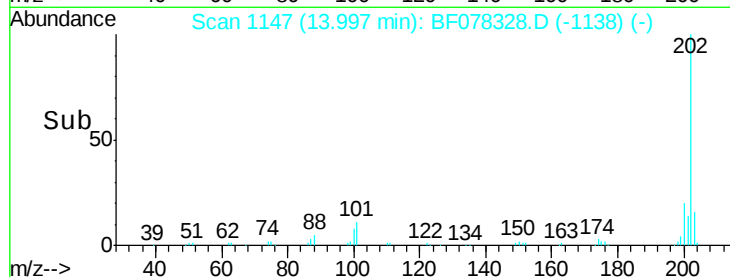
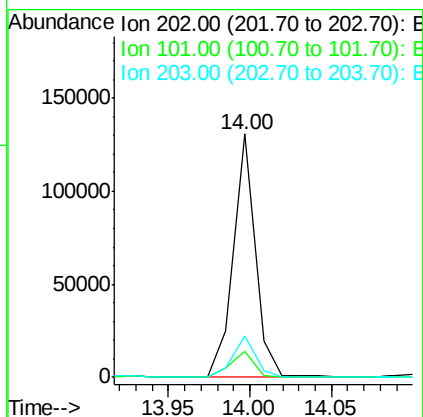
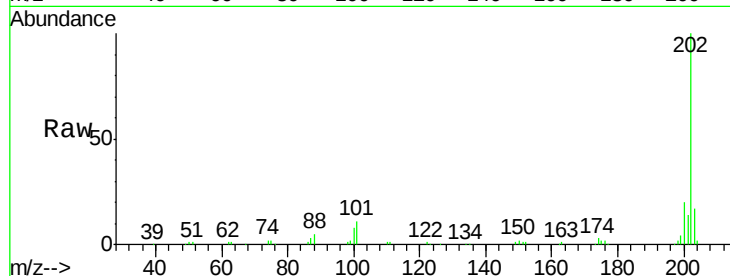




#74
 Fluoranthene
 Concen: 13.59 ng
 RT: 14.00 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF078328.D
 Acq: 8 Apr 2015 7:58

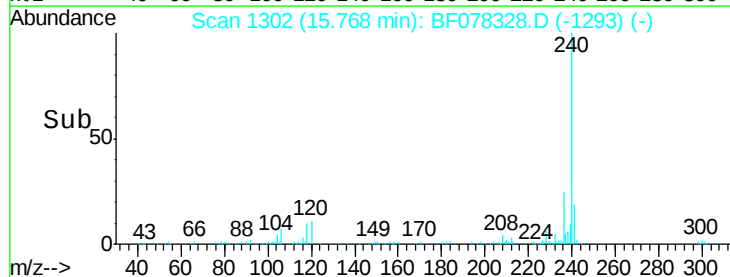
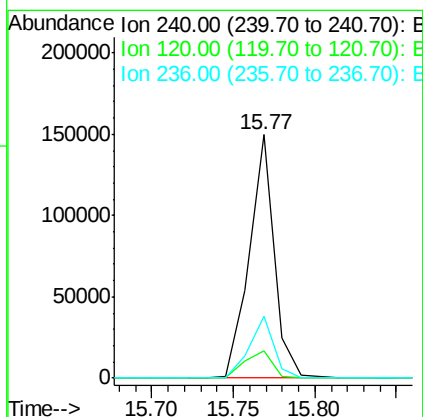
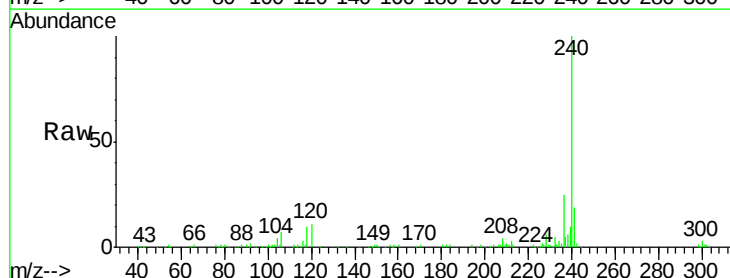
Instrument :
 BNA_F
 ClientSampleId :
 SB-3DDL2

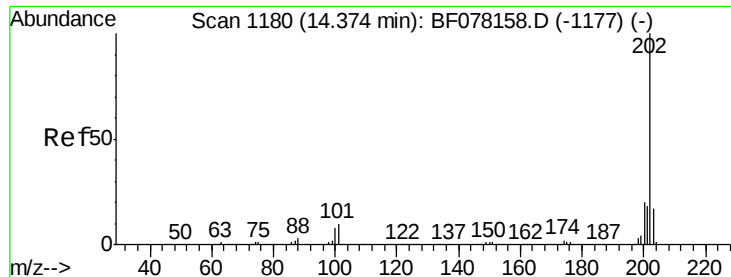
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	35.2
203	16.9	0.0	38.5



#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

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	7.1	10.7#
236	25.2	21.4	32.2





#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

Instrument :

BNA_F

ClientSampleId :

SB-3DDL2

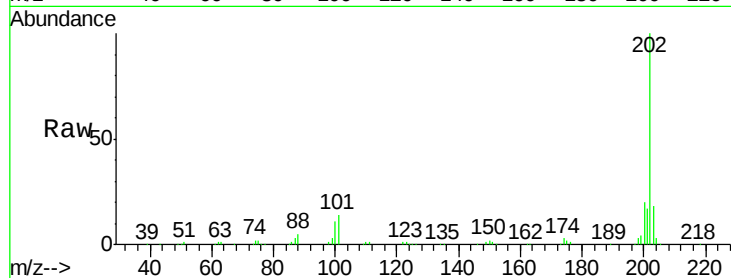
Tgt Ion:202 Resp: 184878

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

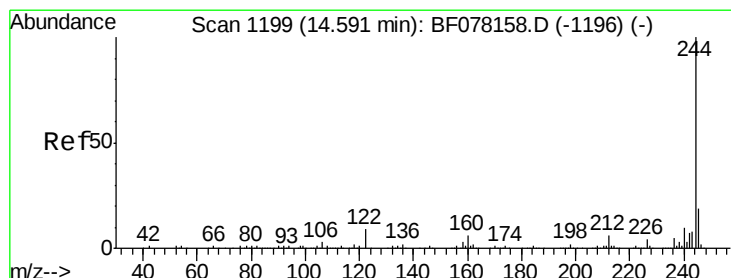
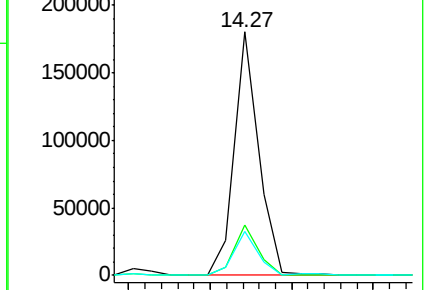
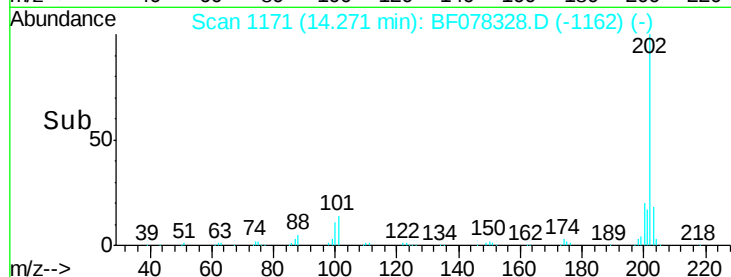
203 18.2 13.8 20.6



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

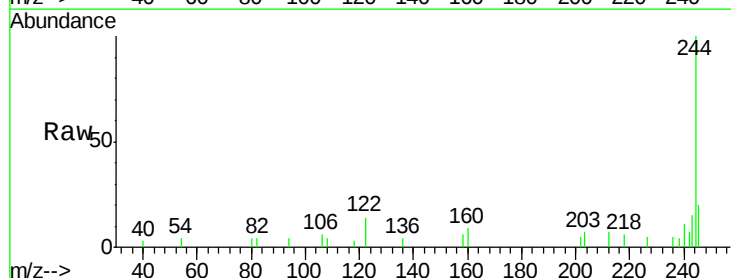
Tgt Ion:244 Resp: 11754

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

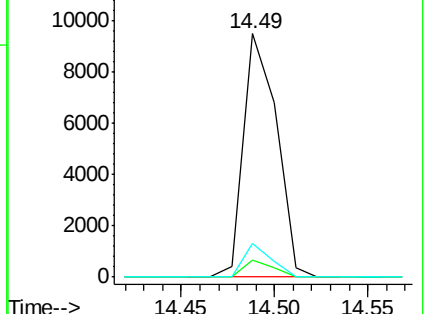
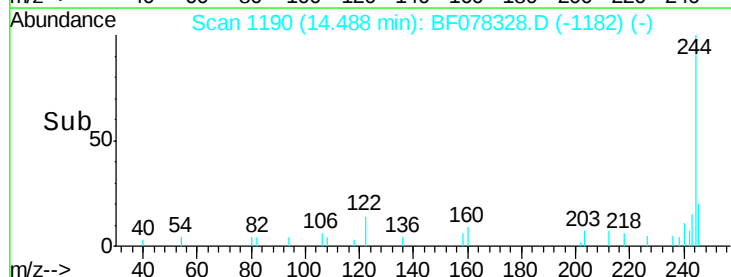
122 14.1 7.1 10.7#

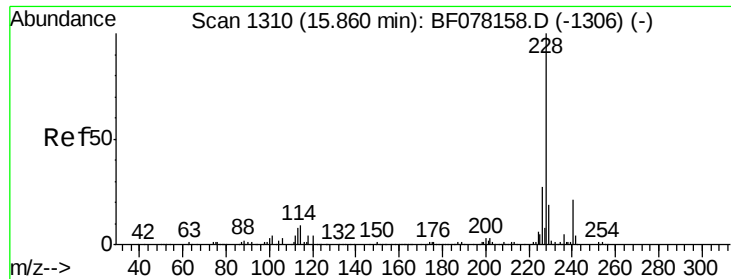


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.08 ng

RT: 15.80 min Scan# 1305

Delta R.T. 0.05 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

Instrument :

BNA_F

ClientSampleId :

SB-3DDL2

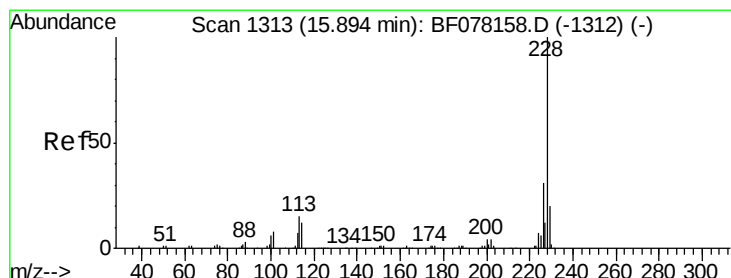
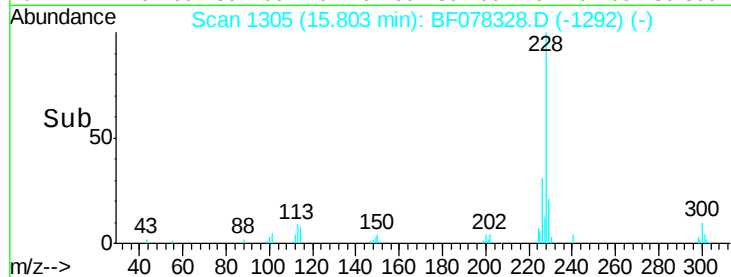
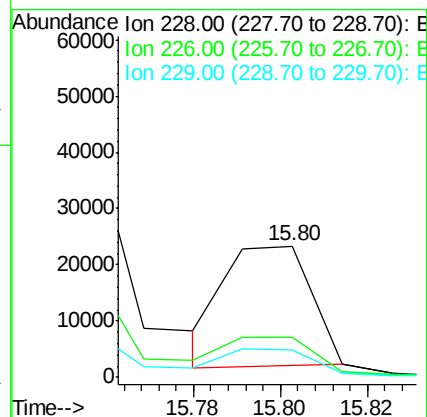
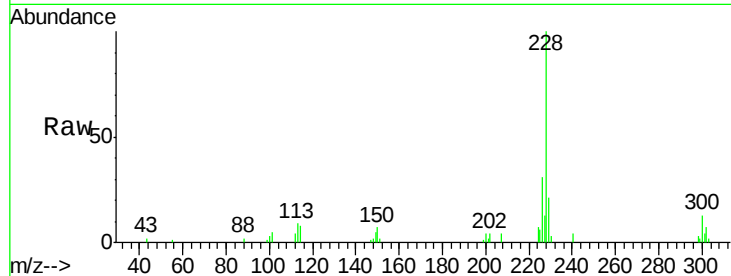
Tgt Ion:228 Resp: 29143

Ion Ratio Lower Upper

228 100

226 30.7 21.3 31.9

229 20.6 15.4 23.2



#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

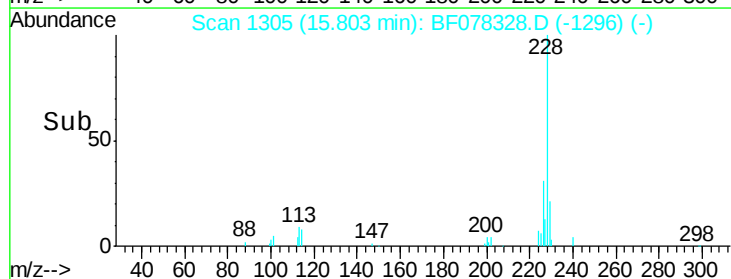
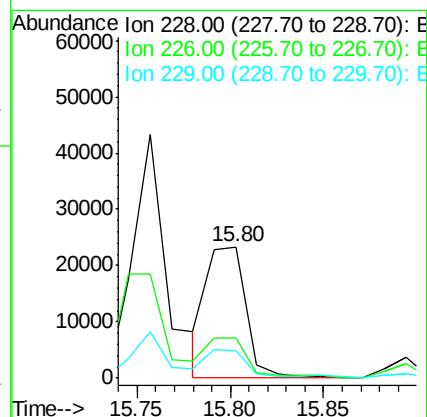
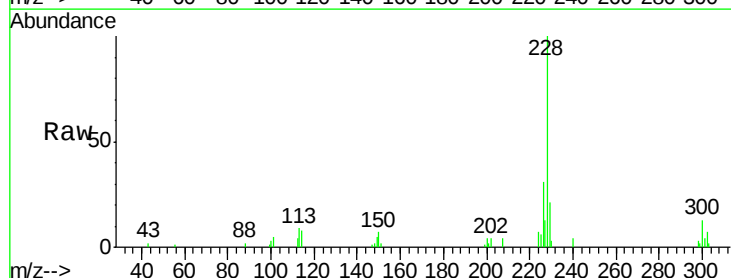
Tgt Ion:228 Resp: 34286

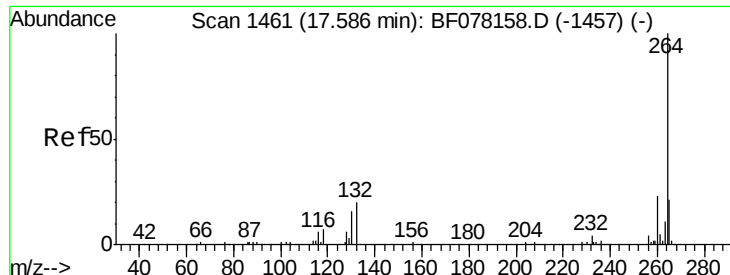
Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.4

229 20.6 15.8 23.8

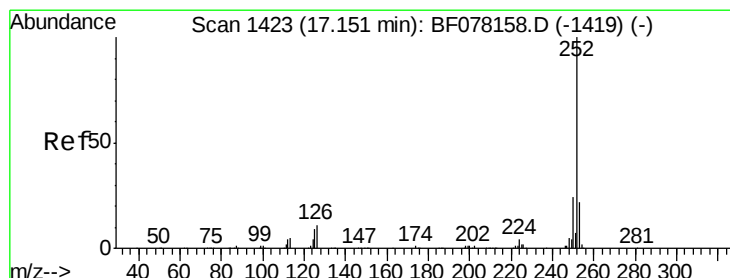
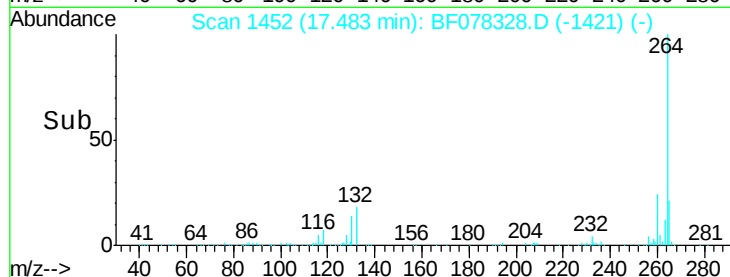
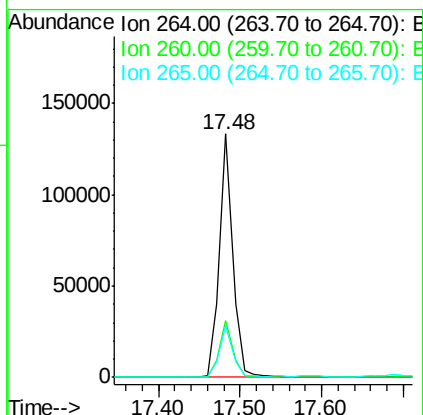
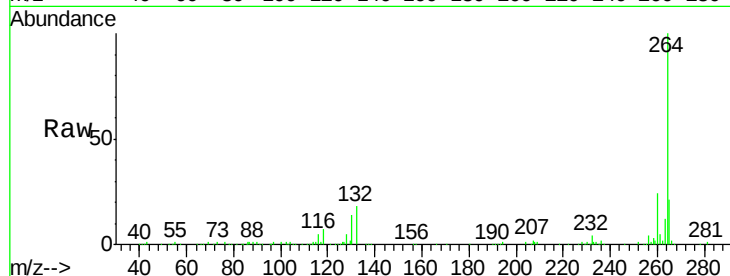




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.48 min Scan# 1452
Delta R.T. 0.06 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

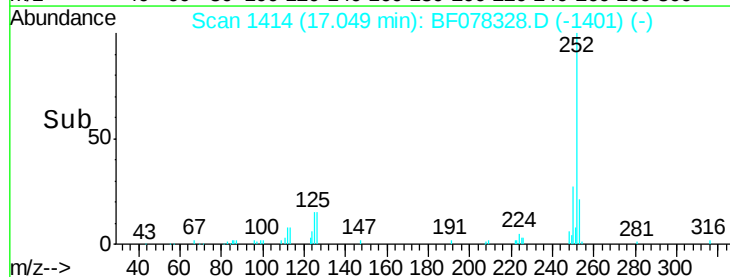
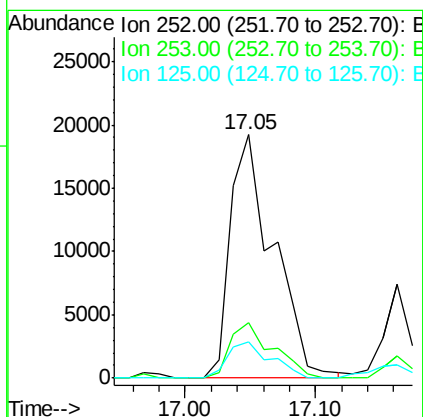
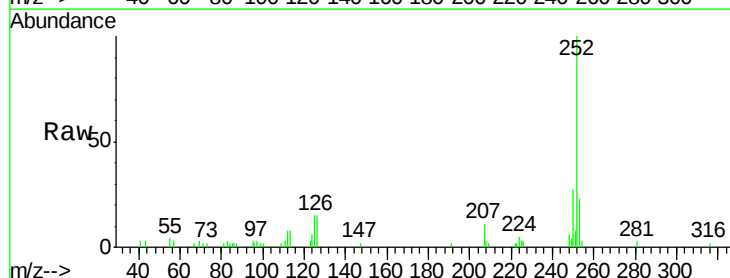
Instrument :
BNA_F
ClientSampleId :
SB-3DDL2

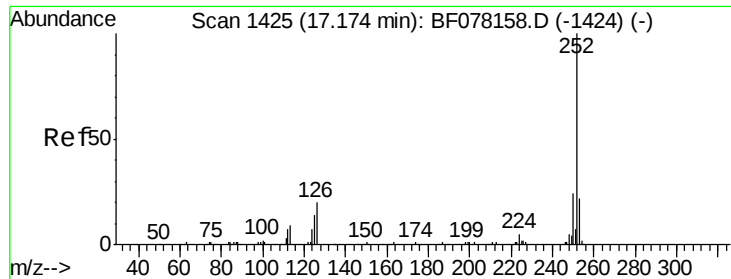
Tgt Ion: 264 Resp: 153827
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 21.2 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 4.64 ng
RT: 17.05 min Scan# 1414
Delta R.T. 0.05 min
Lab File: BF078328.D
Acq: 8 Apr 2015 7:58

Tgt Ion: 252 Resp: 44082
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 15.0 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 5.24 ng

RT: 17.05 min Scan# 1414

Delta R.T. 0.01 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

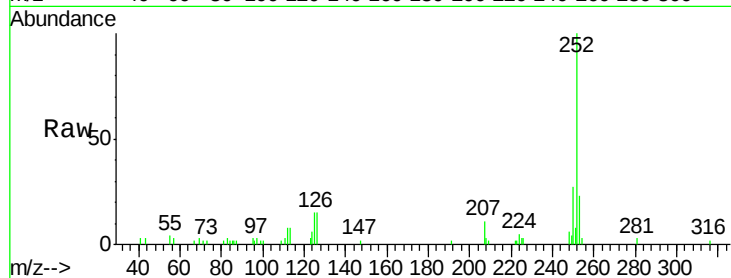
Instrument :

BNA_F

ClientSampleId :

SB-3DDL2

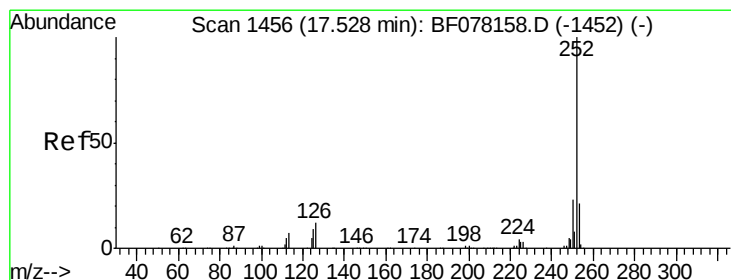
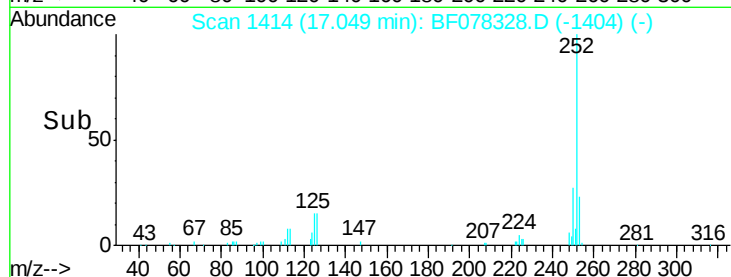
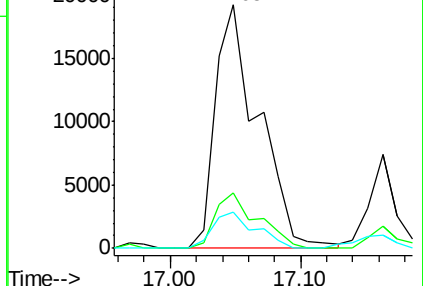
Tgt Ion:	252	Resp:	44301
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	15.0	11.6	17.4



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: 4.94 ng

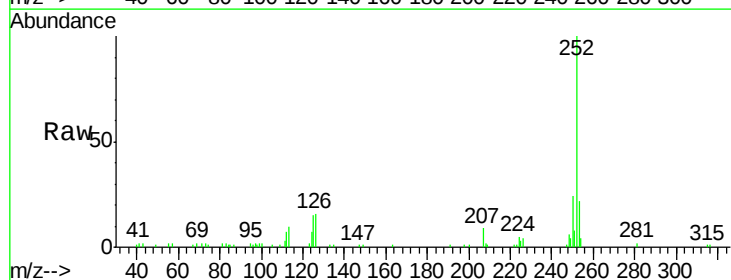
RT: 17.41 min Scan# 1446

Delta R.T. 0.06 min

Lab File: BF078328.D

Acq: 8 Apr 2015 7:58

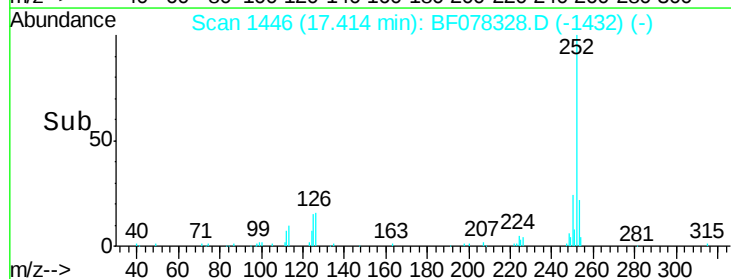
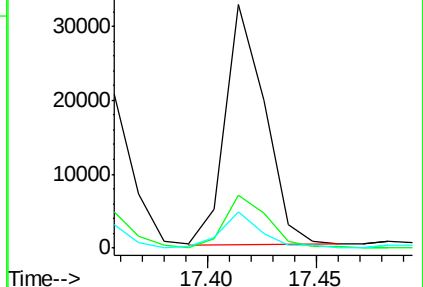
Tgt Ion:	252	Resp:	40980
Ion Ratio	Lower	Upper	
252	100		
253	21.6	16.8	25.2
125	15.0	7.4	11.0#

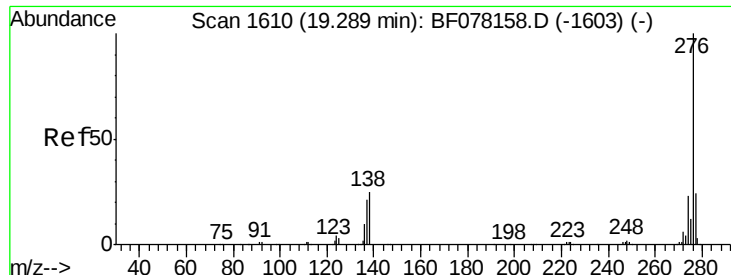


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.78 ng

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

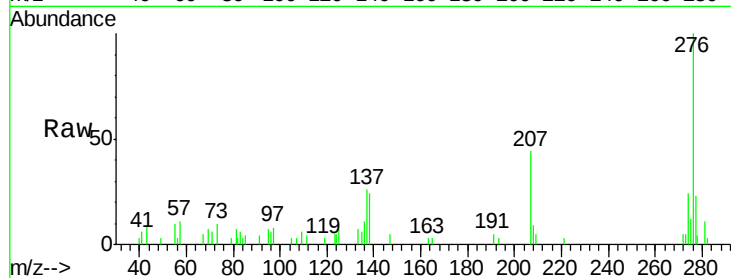
Tgt Ion: 276 Resp: 23146

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

