

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
 Data File : BF078434.D
 Acq On : 11 Apr 2015 10:21
 Operator : TP/IZ
 Sample : G1793-03DL2 100X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2

Quant Time: Apr 13 02:21:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 11:29:31 2015
 Response via : Initial Calibration

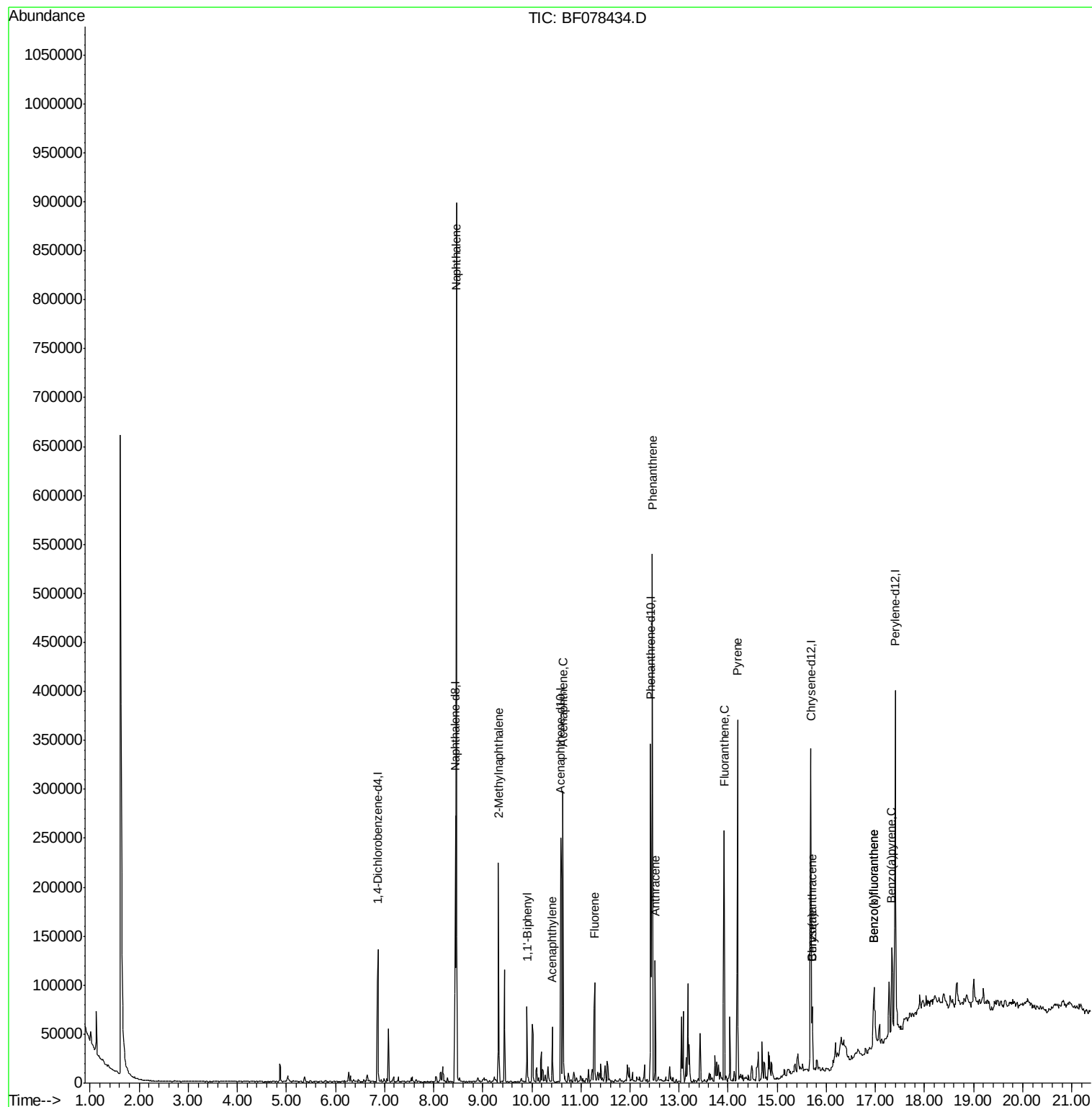
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	29979	20.00	ng	-0.02
21) Naphthalene-d8	8.44	136	131900	20.00	ng	-0.02
38) Acenaphthene-d10	10.59	164	66233	20.00	ng	-0.05
63) Phenanthrene-d10	12.42	188	137680	20.00	ng	-0.05
75) Chrysene-d12	15.69	240	149296	20.00	ng	-0.06
86) Perylene-d12	17.40	264	149767	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	945	0.52	ng	-0.03
7) Phenol-d6	6.48	99	937	0.41	ng	0.00
23) Nitrobenzene-d5	7.56	82	675	0.31	ng	-0.02
41) 2,4,6-Tribromophenol	11.57	330	318	0.58	ng	-0.05
44) 2-Fluorobiphenyl	9.79	172	2637	0.57	ng	-0.02
78) Terphenyl-d14	14.41	244	3503	0.53	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	8.46	128	399937	58.26	ng	99
37) 2-Methylnaphthalene	9.32	142	62930	13.50	ng	99
45) 1,1'-Biphenyl	9.90	154	27551	5.09	ng	99
48) Acenaphthylene	10.42	152	25595	3.72	ng	98
51) Acenaphthene	10.64	154	69094	17.83	ng	98
57) Fluorene	11.28	166	46559	9.70	ng	98
70) Phenanthrene	12.45	178	261520	32.84	ng	99
71) Anthracene	12.51	178	53339	6.80	ng	99
74) Fluoranthene	13.92	202	114272	13.61	ng	93
77) Pyrene	14.19	202	165252	17.63	ng	99
80) Benzo(a)anthracene	15.71	228	27711	3.12	ng	94
82) Chrysene	15.71	228	30036	3.60	ng	98
87) Benzo(b)fluoranthene	16.97	252	44024	4.76	ng	# 95
88) Benzo(k)fluoranthene	16.97	252	44277	5.38	ng	99
89) Benzo(a)pyrene	17.33	252	39954	4.95	ng	# 91

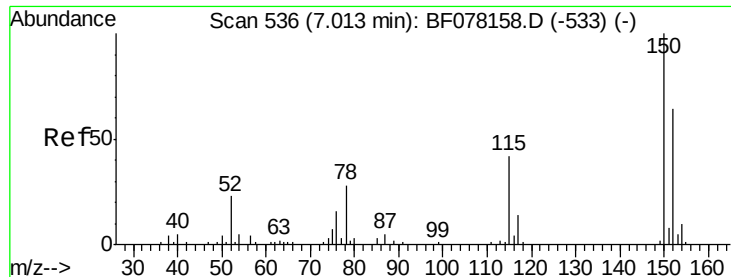
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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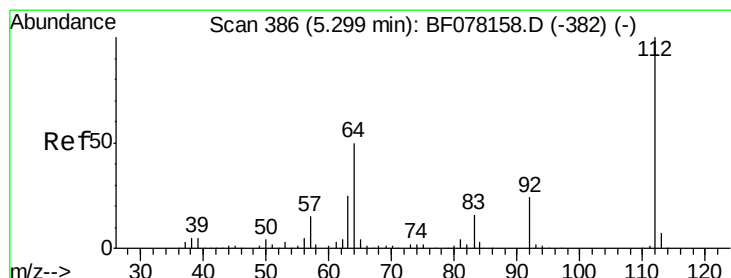
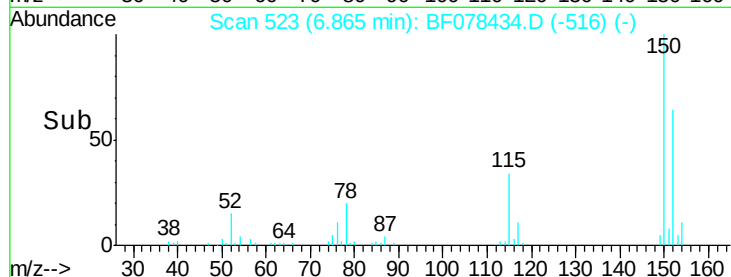
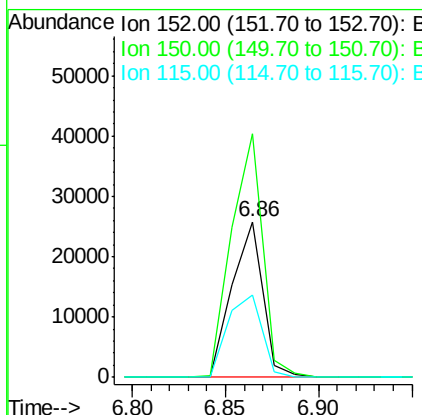
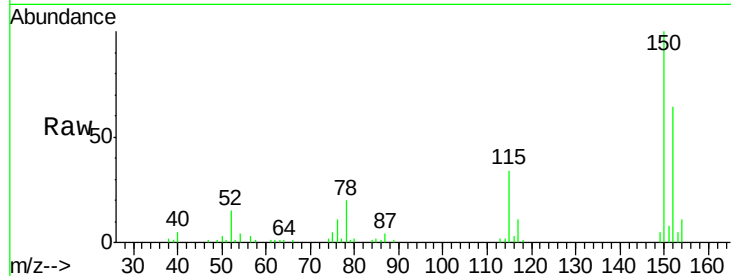


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 523
Delta R.T. -0.02 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Instrument :
BNA_F
ClientSampleId :
SB-3DADL2

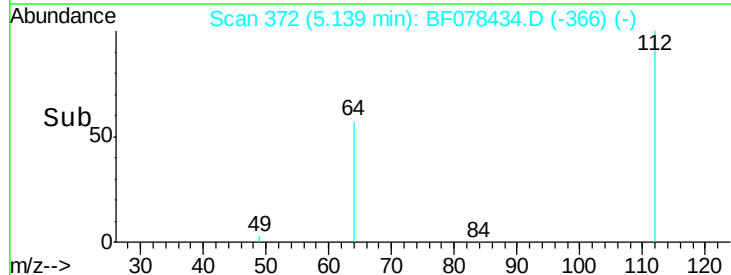
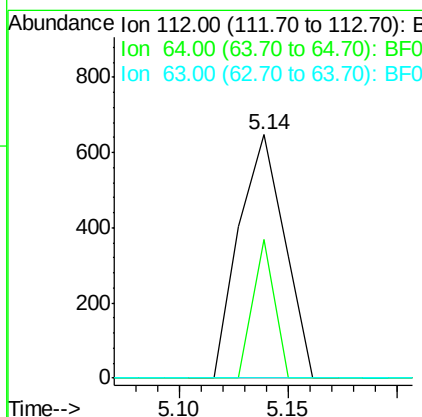
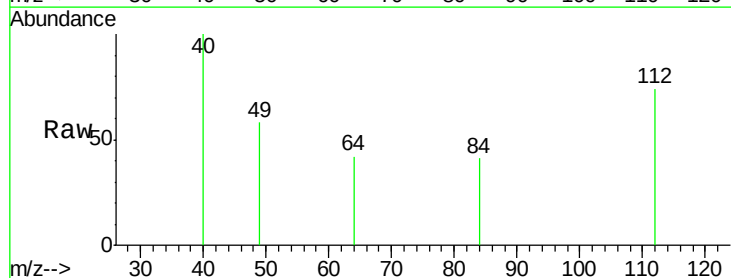
Tgt Ion:152 Resp: 29979
Ion Ratio Lower Upper
152 100
150 156.5 125.9 188.9
115 52.7 52.7 79.1#

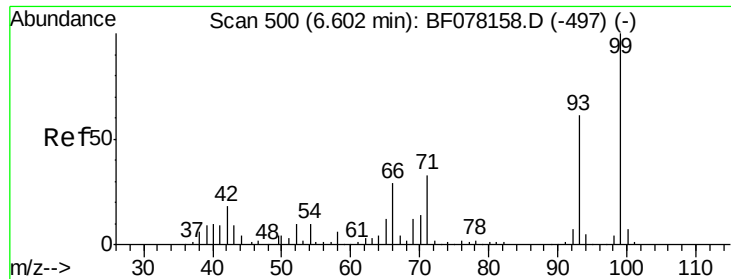


#5

2-Fluorophenol
Concen: 0.52 ng
RT: 5.14 min Scan# 372
Delta R.T. -0.03 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Tgt Ion:112 Resp: 945
Ion Ratio Lower Upper
112 100
64 56.9 39.9 59.9
63 0.0 20.2 30.4#





#7

Phenol-d6

Concen: 0.41 ng

RT: 6.48 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

SB-3DADL2

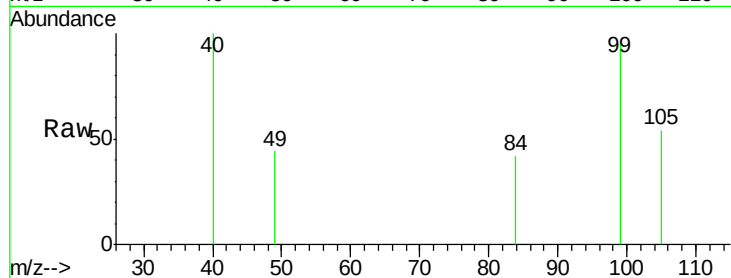
Tgt Ion: 99 Resp: 937

Ion Ratio Lower Upper

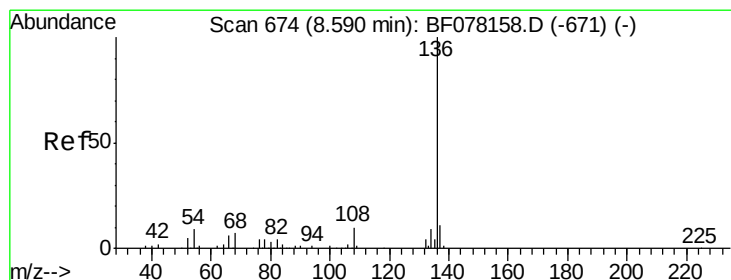
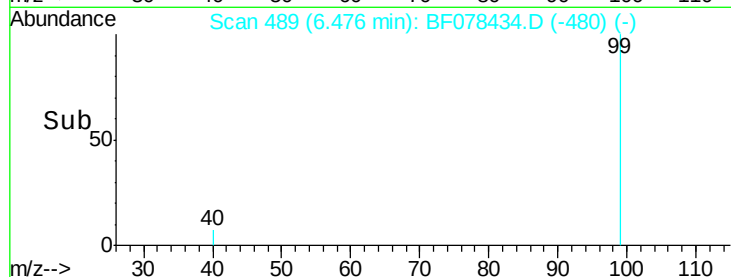
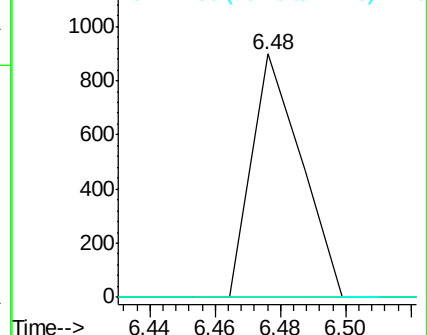
99 100

42 0.0 14.8 22.2#

71 0.0 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: 8.44 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Tgt Ion: 136 Resp: 131900

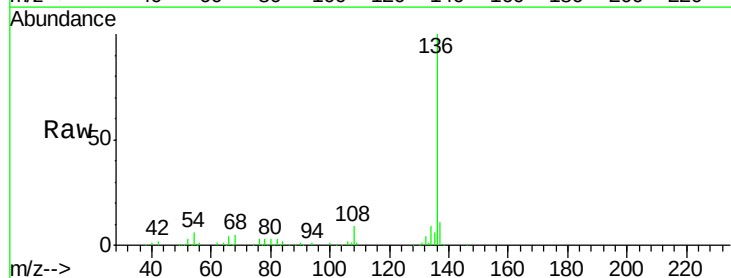
Ion Ratio Lower Upper

136 100

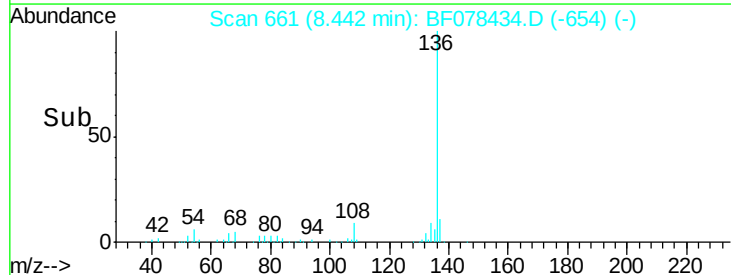
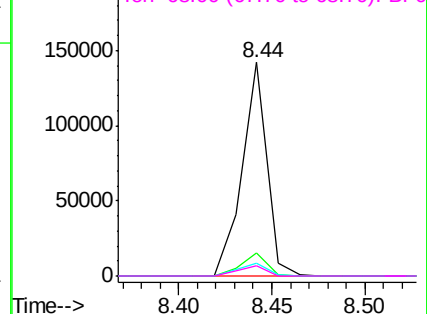
137 10.6 9.0 13.4

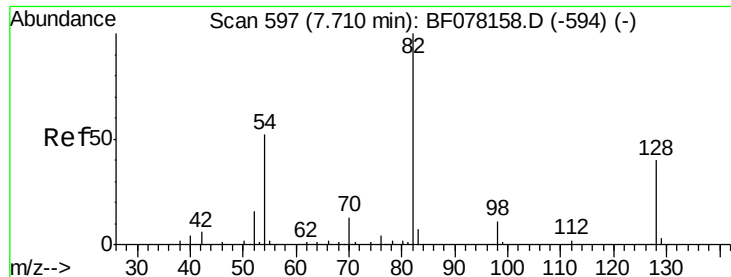
54 5.8 7.0 10.6#

68 5.0 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: 0.31 ng

RT: 7.56 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

SB-3DADL2

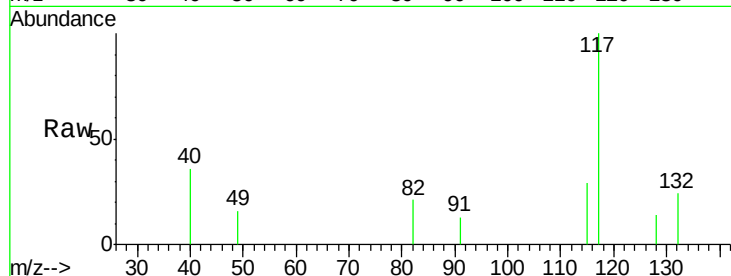
Tgt Ion: 82 Resp: 675

Ion Ratio Lower Upper

82 100

128 65.2 31.8 47.8#

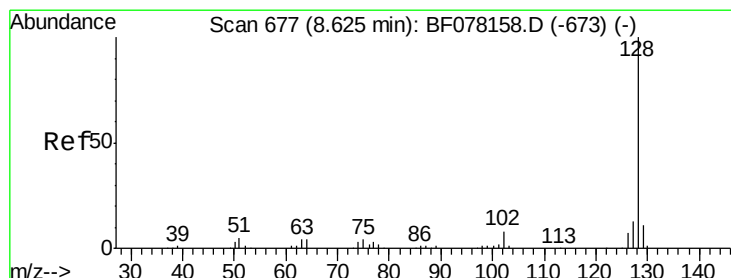
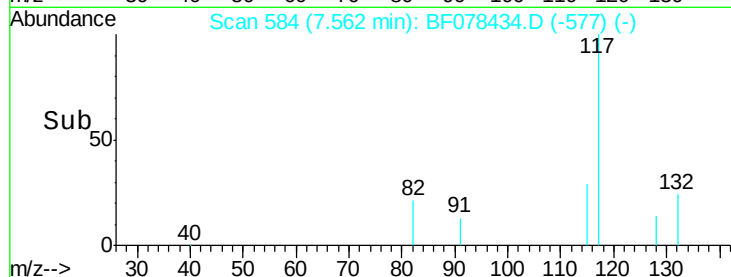
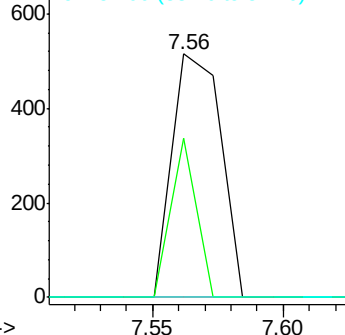
54 0.0 41.5 62.3#



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: 58.26 ng

RT: 8.46 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

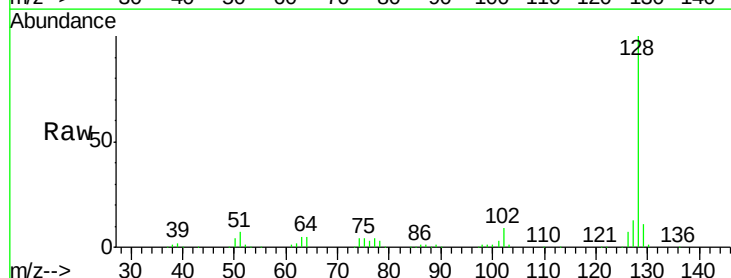
Tgt Ion: 128 Resp: 399937

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

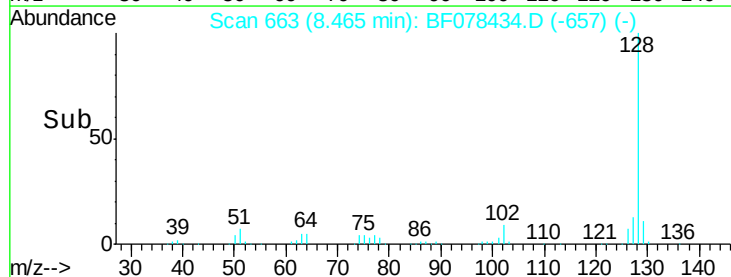
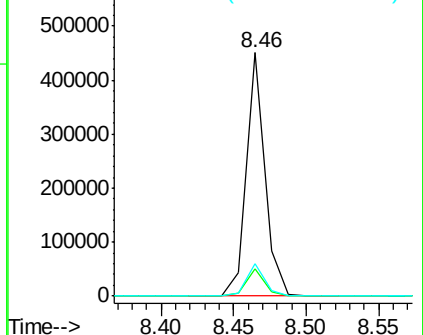
127 13.1 10.7 16.1

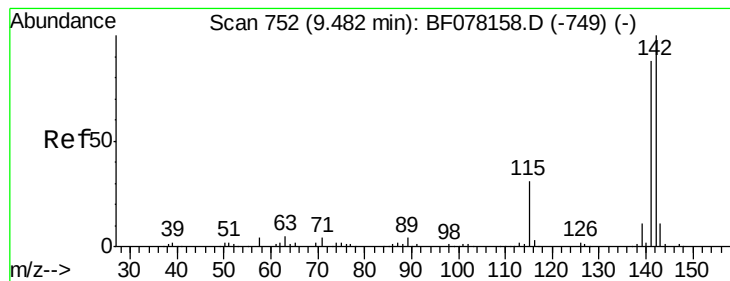


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 13.50 ng

RT: 9.32 min Scan# 738

Delta R.T. -0.03 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

SB-3DADL2

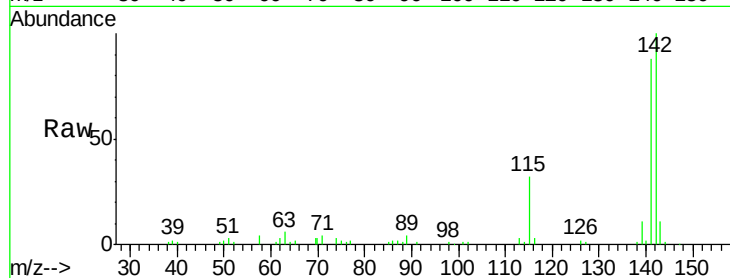
Tgt Ion:142 Resp: 62930

Ion Ratio Lower Upper

142 100

141 87.9 70.3 105.5

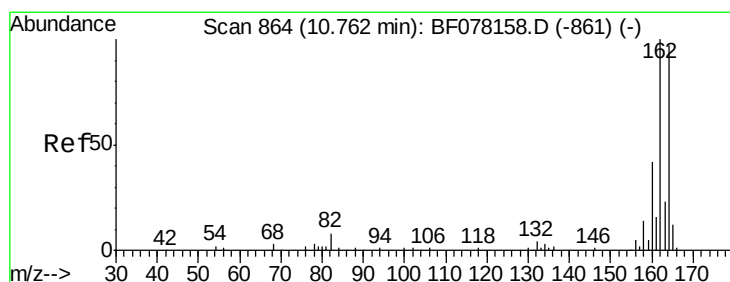
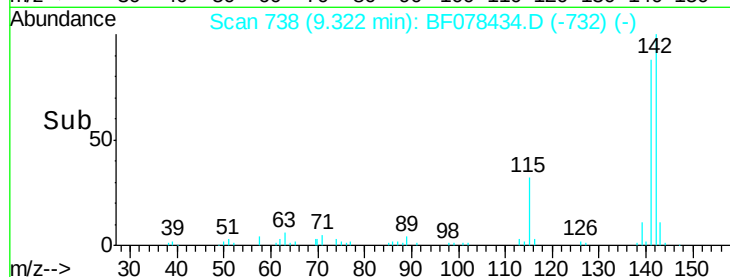
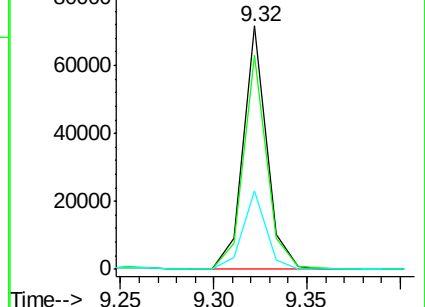
115 32.5 24.6 37.0



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: 10.59 min Scan# 849

Delta R.T. -0.05 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

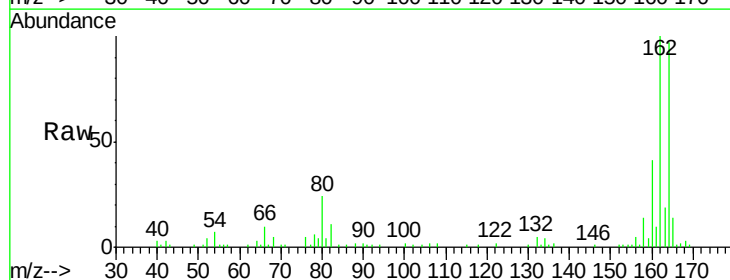
Tgt Ion:164 Resp: 66233

Ion Ratio Lower Upper

164 100

162 103.6 82.2 123.2

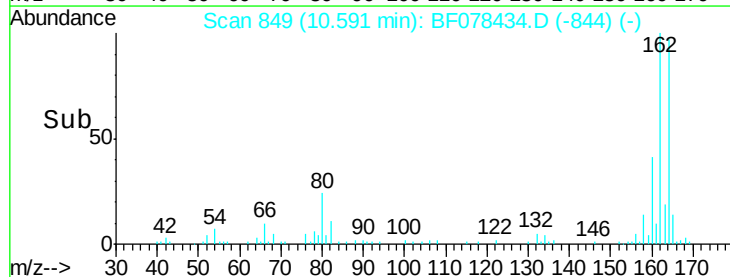
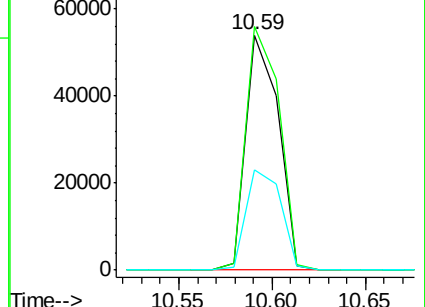
160 42.4 34.7 52.1

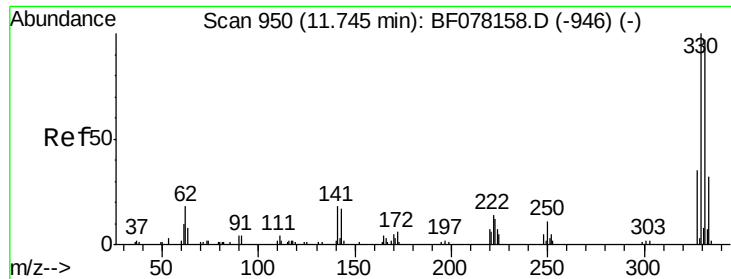


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

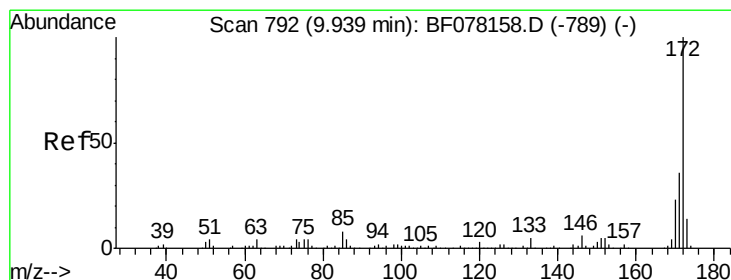
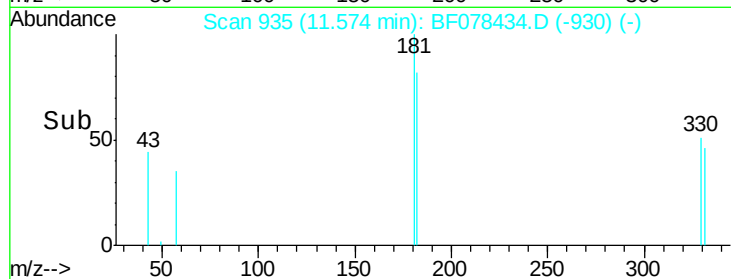
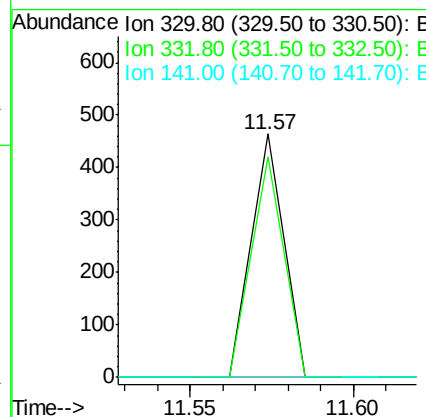
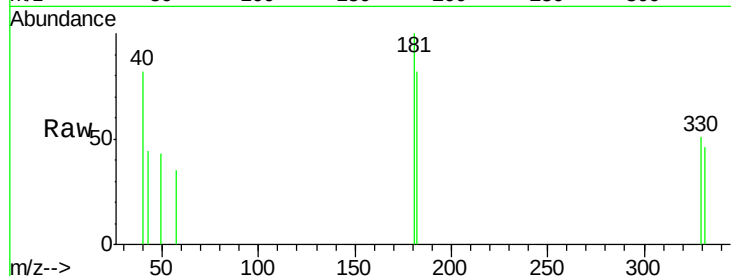




#41
 2,4,6-Tribromophenol
 Concen: 0.58 ng
 RT: 11.57 min Scan# 935
 Delta R.T. -0.05 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

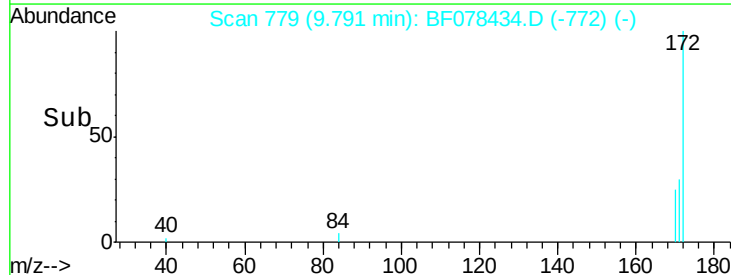
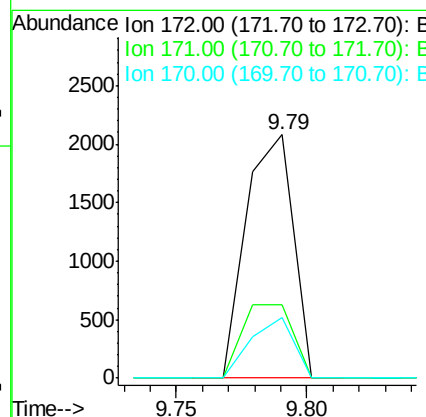
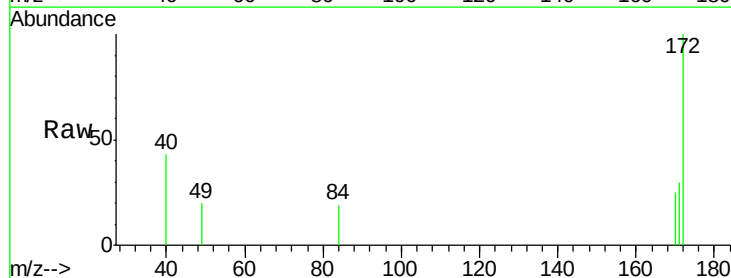
Instrument :
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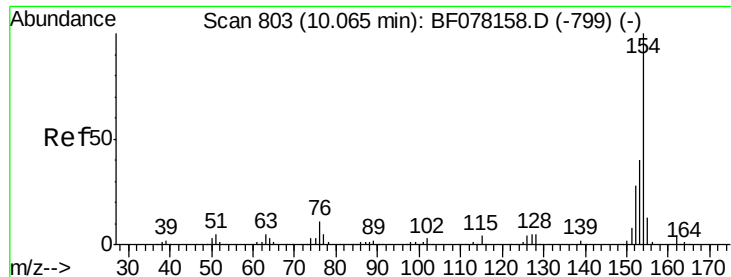
Tgt Ion: 330 Resp: 318
 Ion Ratio Lower Upper
 330 100
 332 90.9 78.6 117.8
 141 0.0 31.2 46.8#



#44
 2-Fluorobiphenyl
 Concen: 0.57 ng
 RT: 9.79 min Scan# 779
 Delta R.T. -0.02 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Tgt Ion: 172 Resp: 2637
 Ion Ratio Lower Upper
 172 100
 171 29.9 28.6 42.8
 170 24.7 18.5 27.7

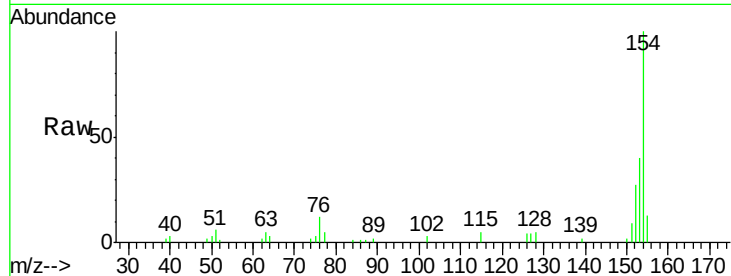




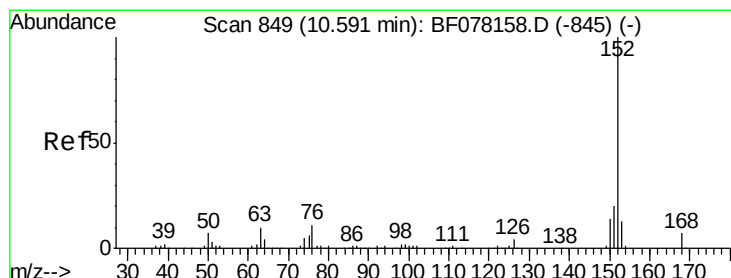
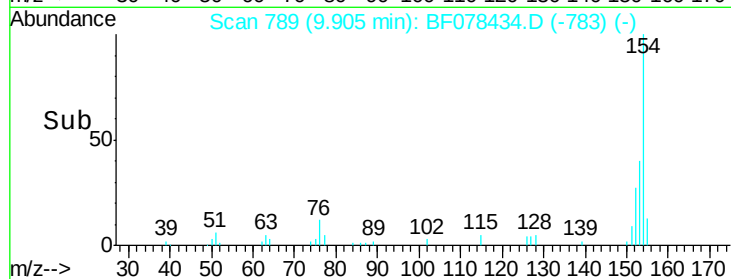
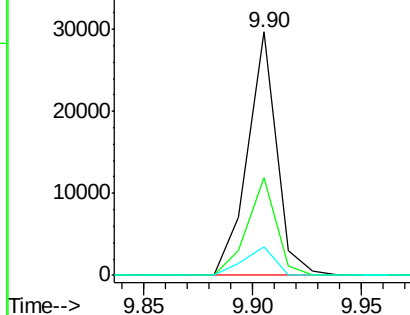
#45
 1,1'-Biphenyl
 Concen: 5.09 ng
 RT: 9.90 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2

Tgt Ion:	154	Resp:	27551
Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.0	60.0
76	11.8	0.0	30.6

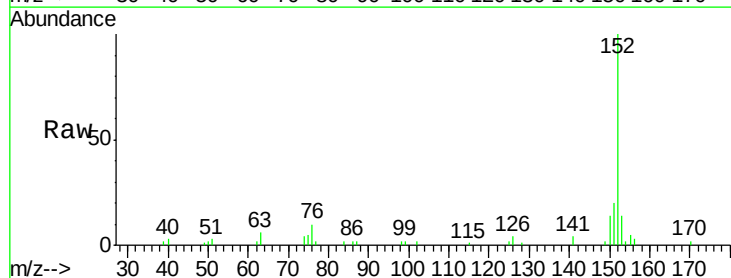


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

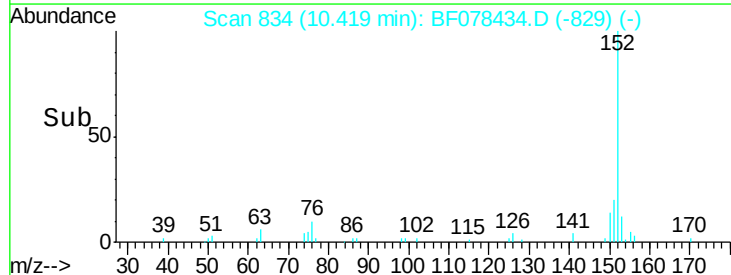
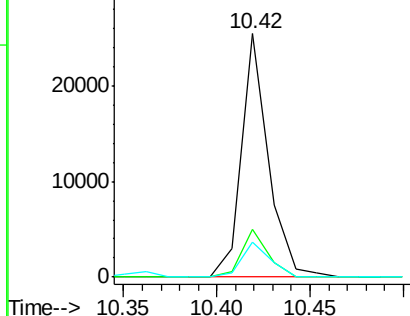


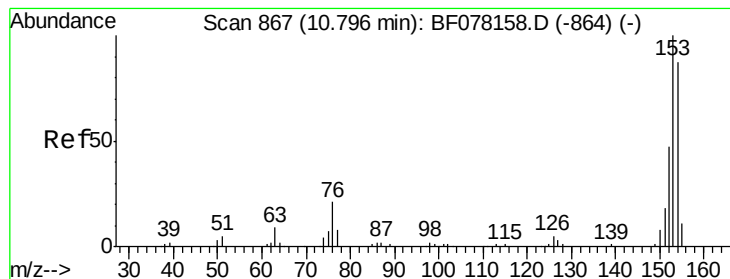
#48
 Acenaphthylene
 Concen: 3.72 ng
 RT: 10.42 min Scan# 834
 Delta R.T. -0.05 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Tgt Ion:	152	Resp:	25595
Ion	Ratio	Lower	Upper
152	100		
151	19.6	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





#51

Acenaphthene

Concen: 17.83 ng

RT: 10.64 min Scan# 853

Delta R.T. -0.03 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

SB-3DADL2

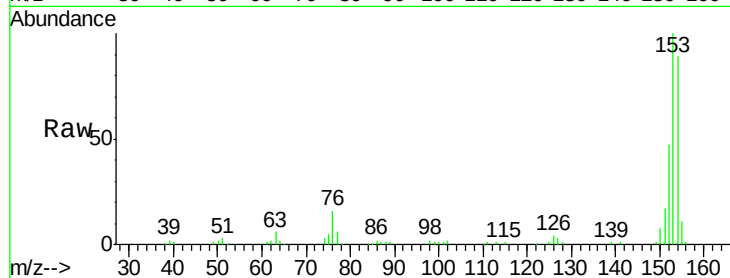
Tgt Ion:154 Resp: 69094

Ion Ratio Lower Upper

154 100

153 111.9 91.4 137.2

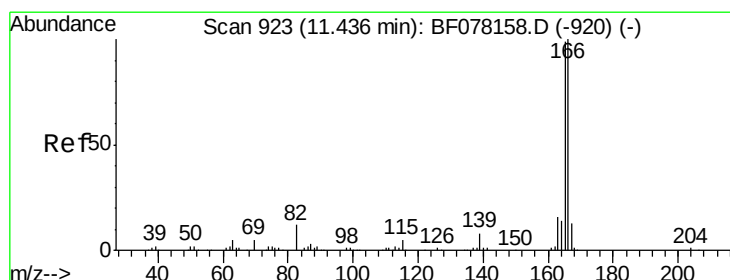
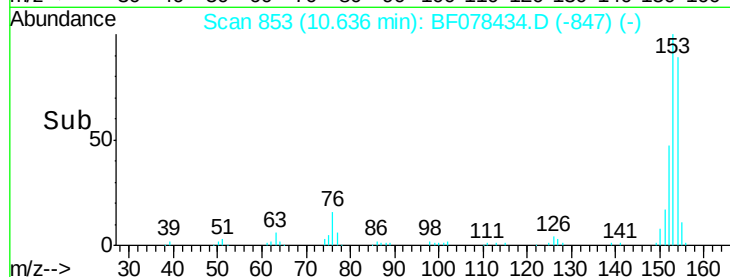
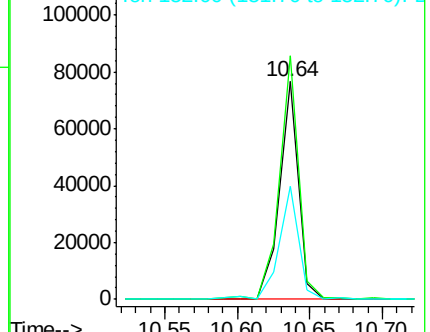
152 52.2 43.0 64.6



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: 9.70 ng

RT: 11.28 min Scan# 909

Delta R.T. -0.03 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

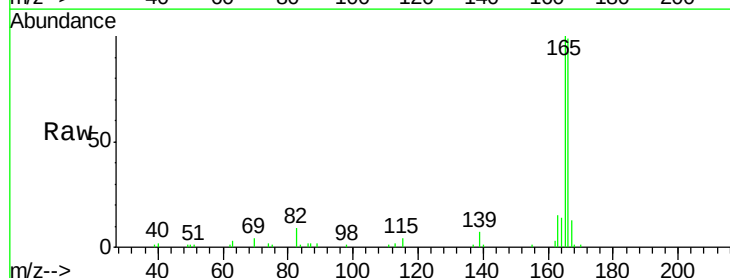
Tgt Ion:166 Resp: 46559

Ion Ratio Lower Upper

166 100

165 101.1 78.9 118.3

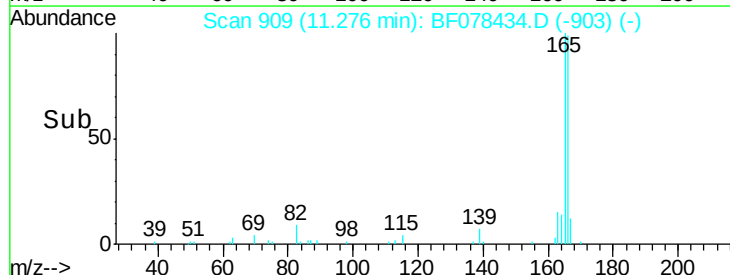
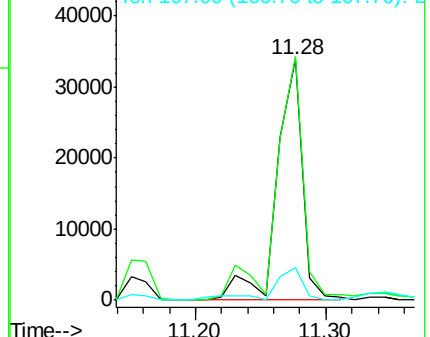
167 13.3 10.7 16.1

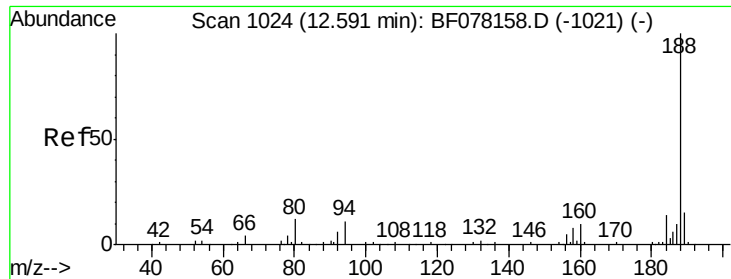


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

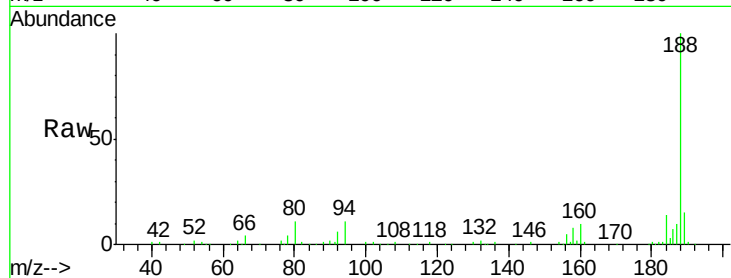




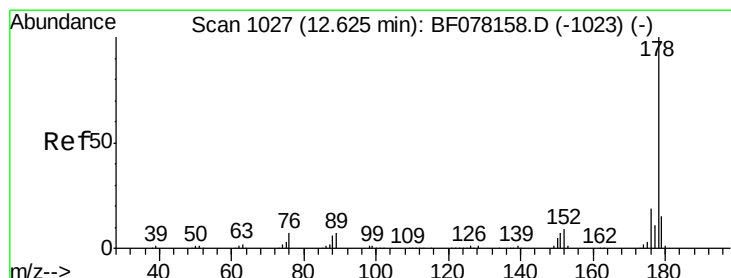
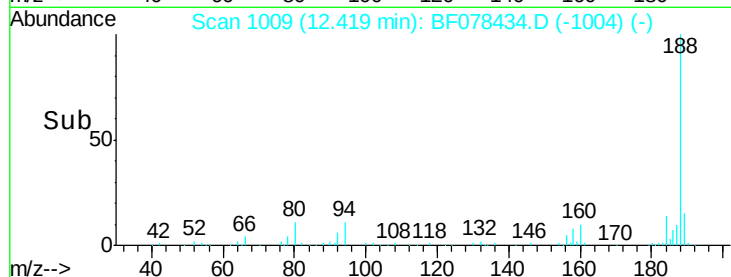
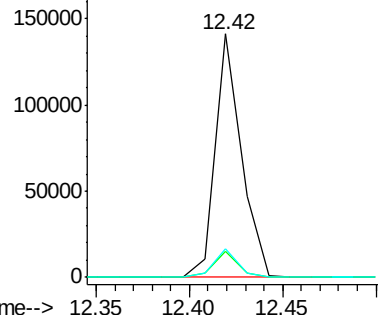
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.42 min Scan# 1009
Delta R.T. -0.05 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Instrument :
BNA_F
ClientSampleId :
SB-3DADL2

Tgt Ion:188 Resp: 137680
Ion Ratio Lower Upper
188 100
94 10.5 9.0 13.4
80 11.5 9.5 14.3

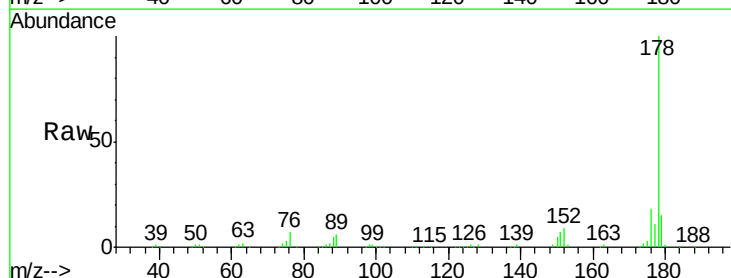


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

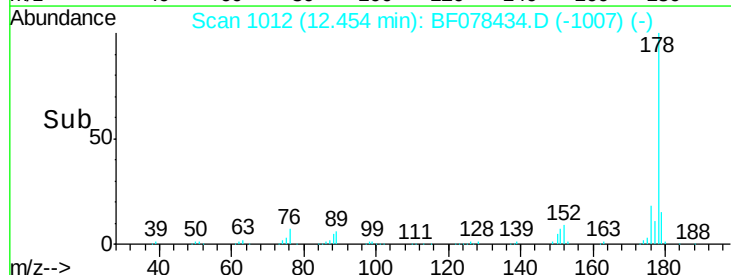
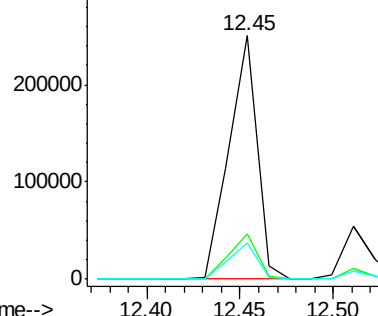


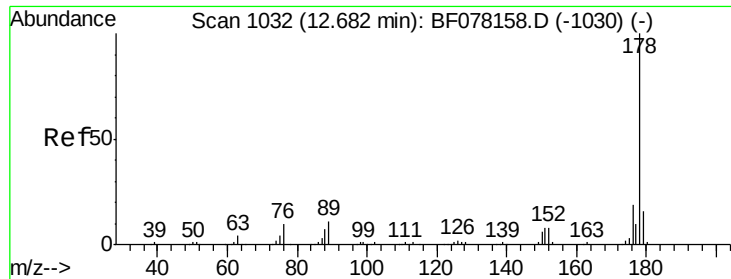
#70
Phenanthrene
Concen: 32.84 ng
RT: 12.45 min Scan# 1012
Delta R.T. -0.05 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Tgt Ion:178 Resp: 261520
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.0 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

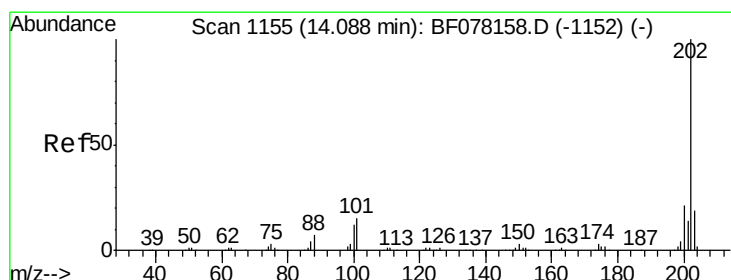
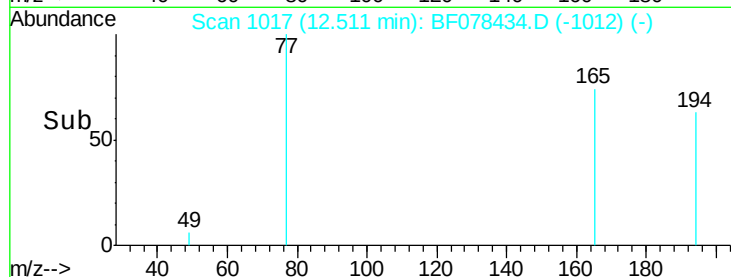
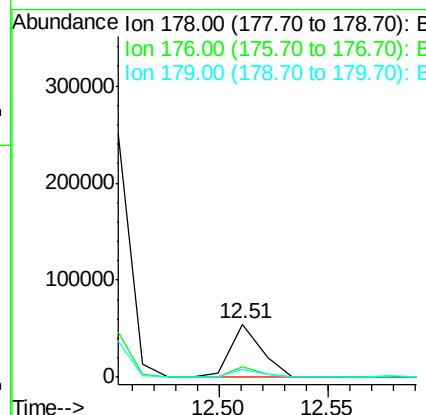
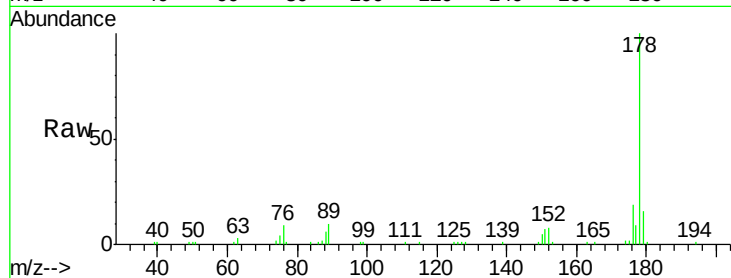




#71
 Anthracene
 Concen: 6.80 ng
 RT: 12.51 min Scan# 1017
 Delta R.T. -0.05 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

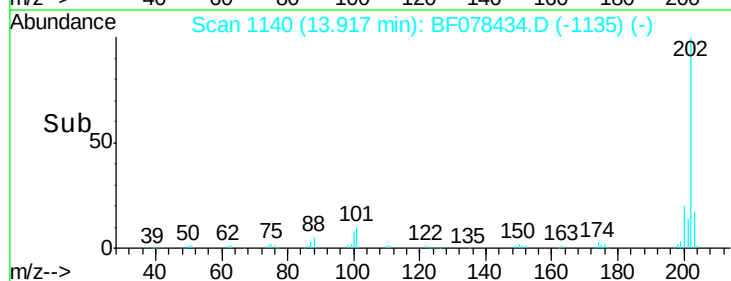
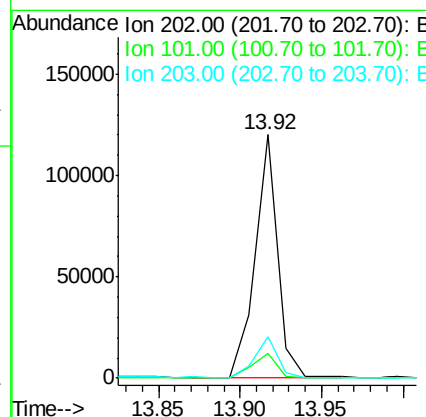
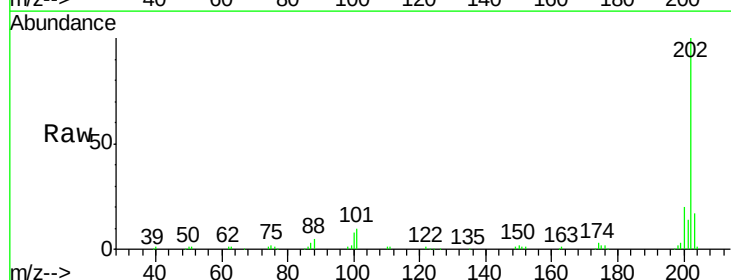
Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2

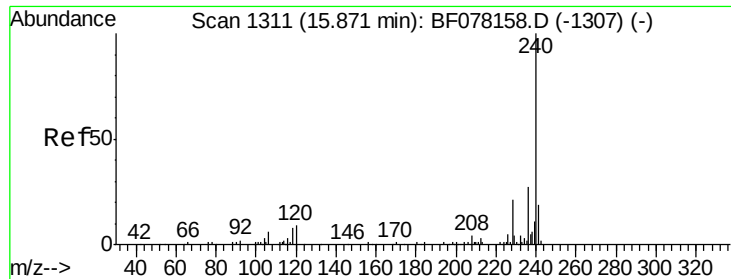
Tgt Ion:178 Resp: 53339
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.8 22.2
 179 15.8 12.4 18.6



#74
 Fluoranthene
 Concen: 13.61 ng
 RT: 13.92 min Scan# 1140
 Delta R.T. -0.05 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Tgt Ion:202 Resp: 114272
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 35.2
 203 16.9 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.69 min Scan# 1295

Delta R.T. -0.06 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

SB-3DADL2

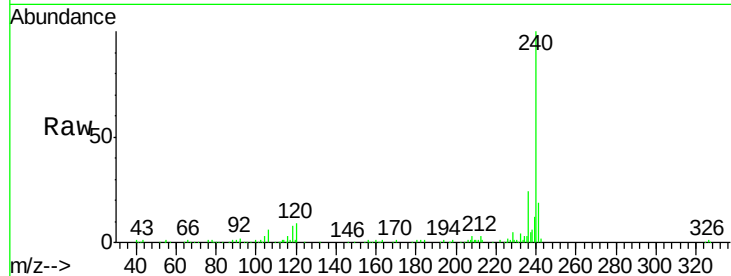
Tgt Ion:240 Resp: 149296

Ion Ratio Lower Upper

240 100

120 9.0 7.1 10.7

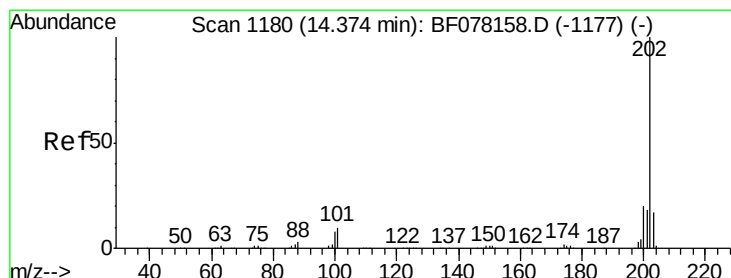
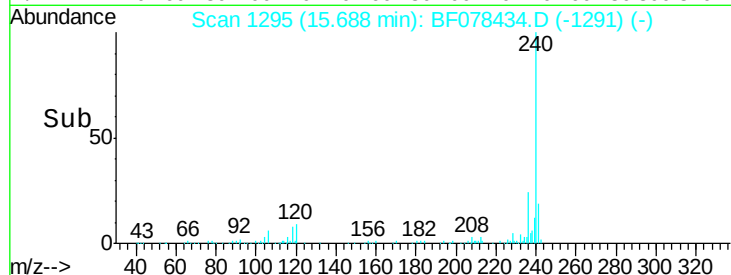
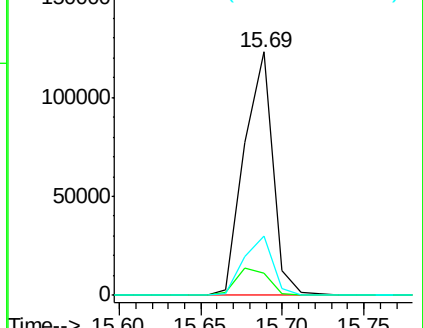
236 24.2 21.4 32.2



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: 17.63 ng

RT: 14.19 min Scan# 1164

Delta R.T. -0.06 min

Lab File: BF078434.D

Acq: 11 Apr 2015 10:21

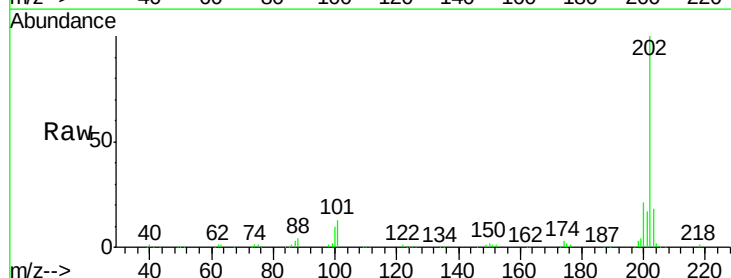
Tgt Ion:202 Resp: 165252

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

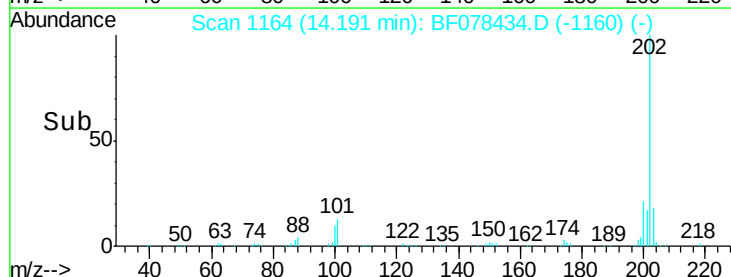
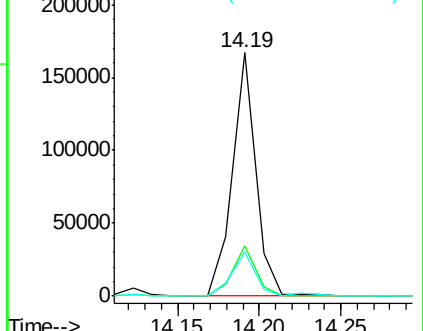
203 17.8 13.8 20.6

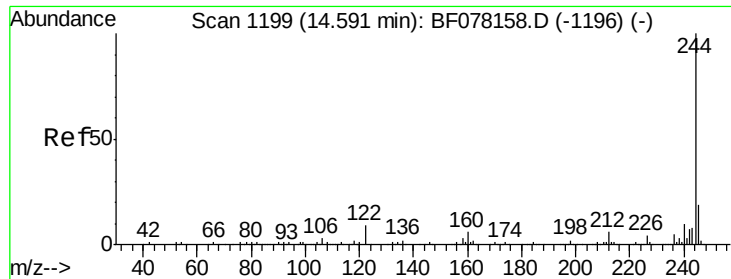


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

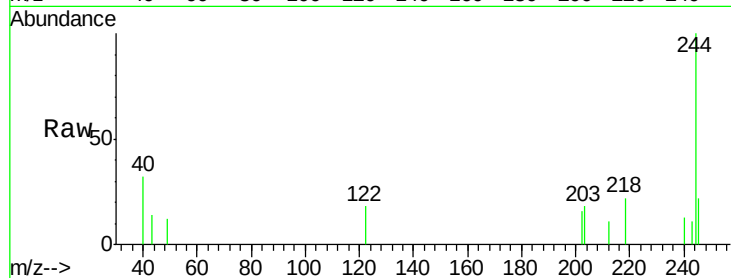




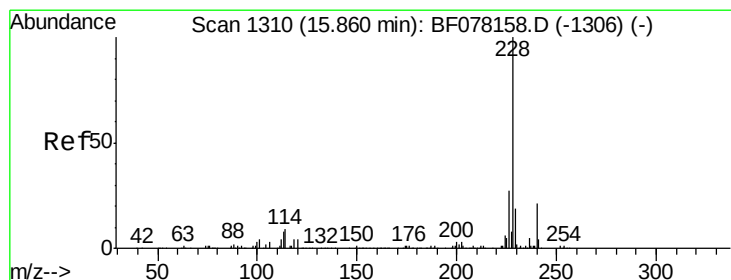
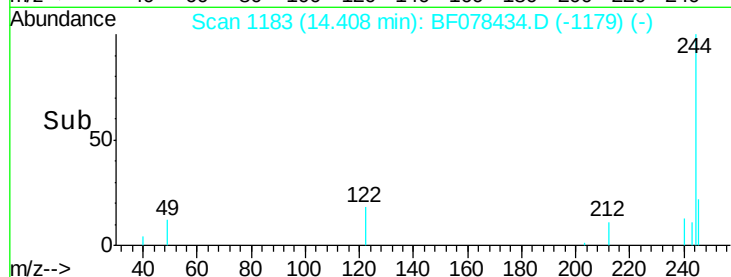
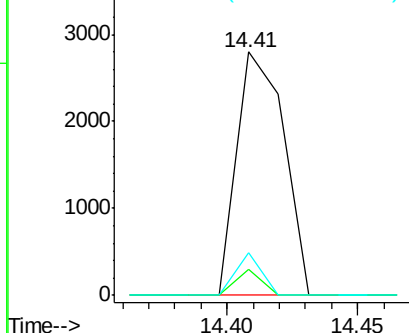
#78
 Terphenyl-d14
 Concen: 0.53 ng
 RT: 14.41 min Scan# 1183
 Delta R.T. -0.06 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-3DADL2

Tgt Ion:244 Resp: 3503
 Ion Ratio Lower Upper
 244 100
 212 10.8 5.0 7.4#
 122 17.7 7.1 10.7#

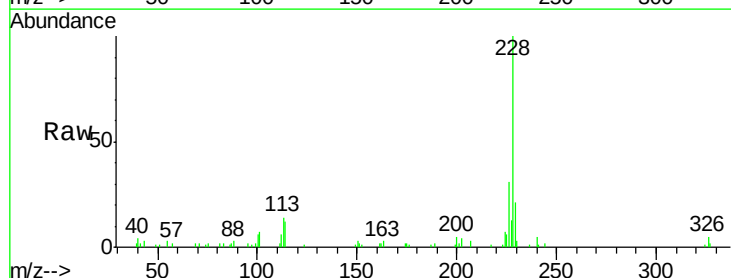


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

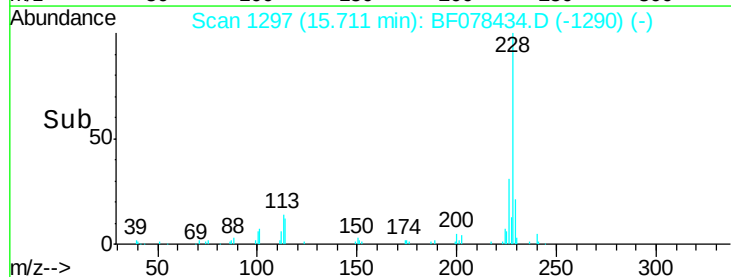
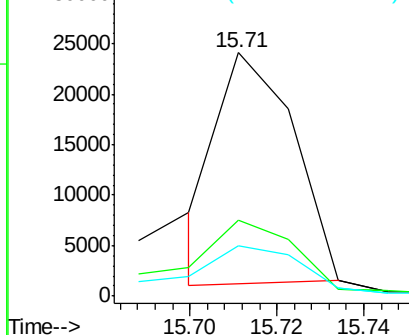


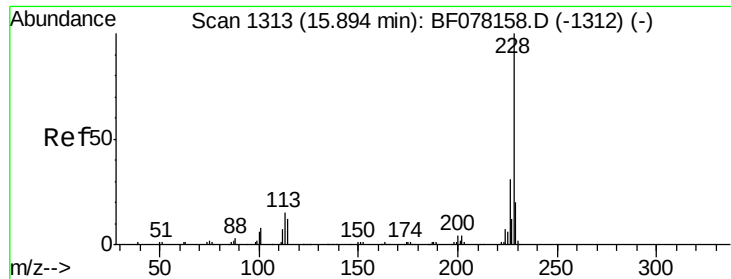
#80
 Benzo(a)anthracene
 Concen: 3.12 ng
 RT: 15.71 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF078434.D
 Acq: 11 Apr 2015 10:21

Tgt Ion:228 Resp: 27711
 Ion Ratio Lower Upper
 228 100
 226 30.9 21.3 31.9
 229 20.9 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

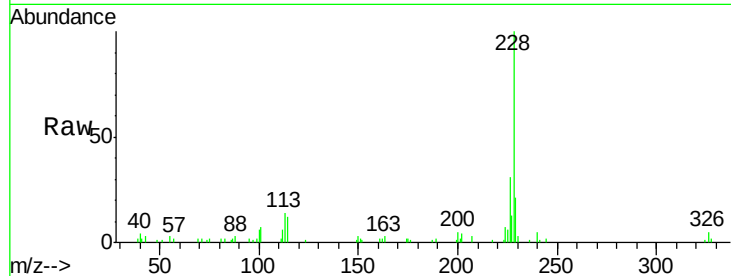




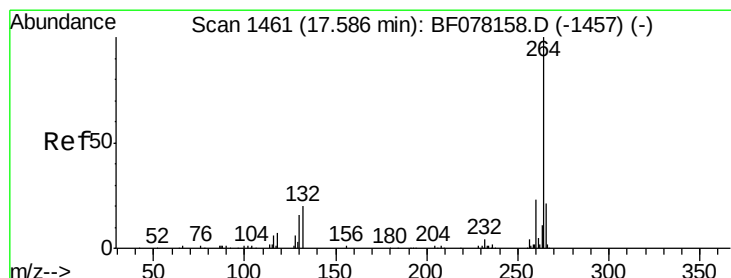
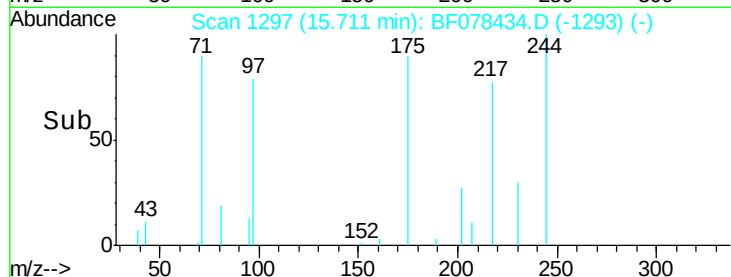
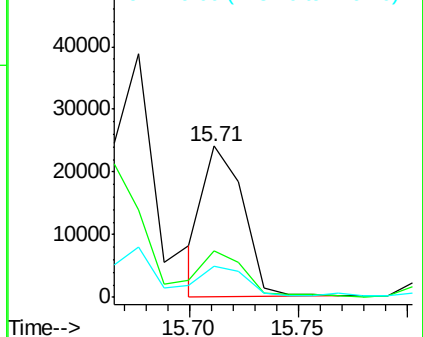
#82
Chrysene
Concen: 3.60 ng
RT: 15.71 min Scan# 1297
Delta R.T. -0.06 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Instrument :
BNA_F
ClientSampleId :
SB-3DADL2

Tgt Ion: 228 Resp: 30036
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.4
229 20.9 15.8 23.8

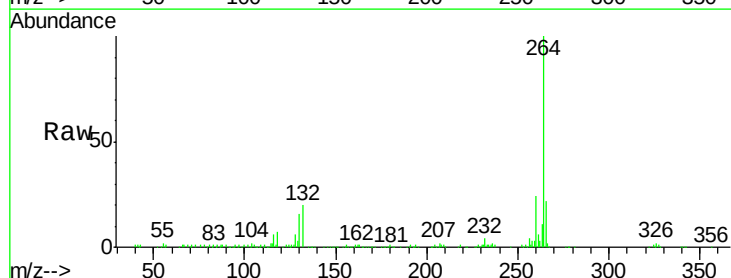


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

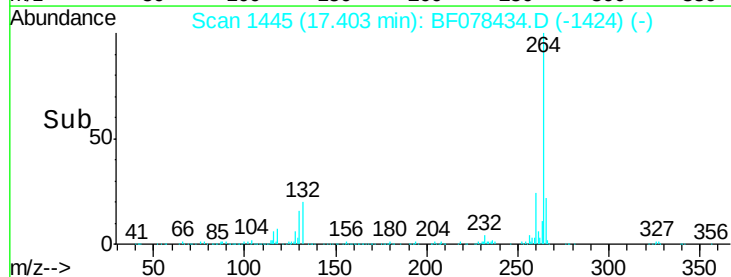
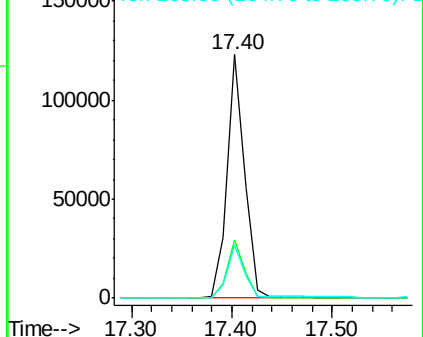


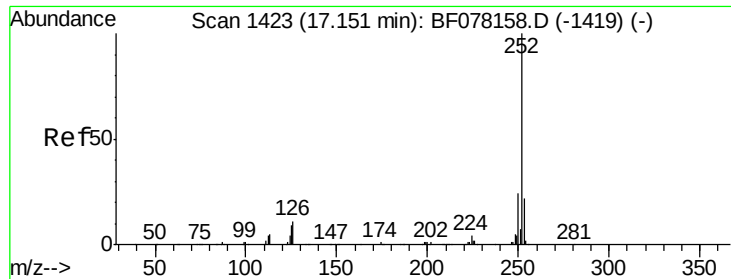
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.40 min Scan# 1445
Delta R.T. -0.06 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Tgt Ion: 264 Resp: 149767
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.5 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

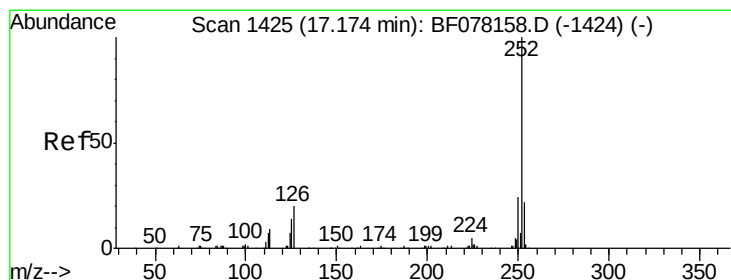
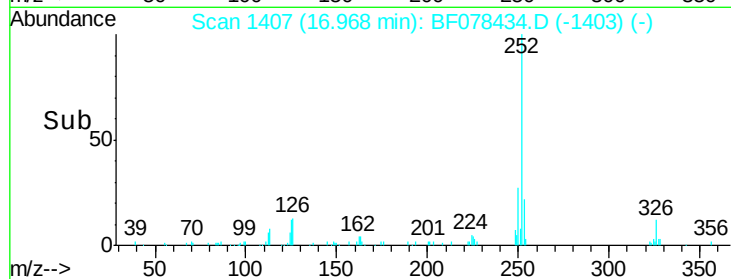
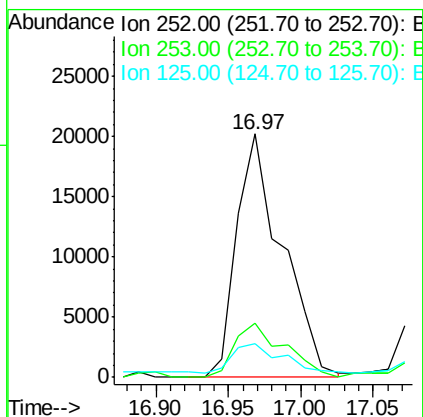
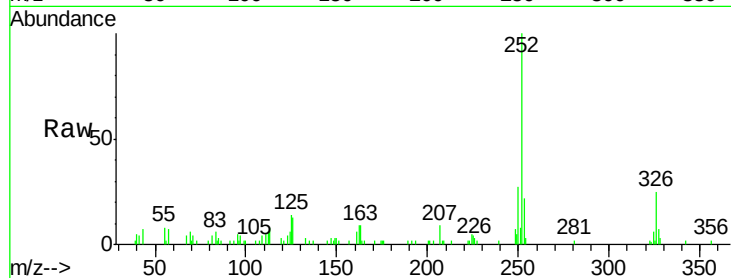




#87
Benzo(b)fluoranthene
Concen: 4.76 ng
RT: 16.97 min Scan# 1407
Delta R.T. -0.06 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

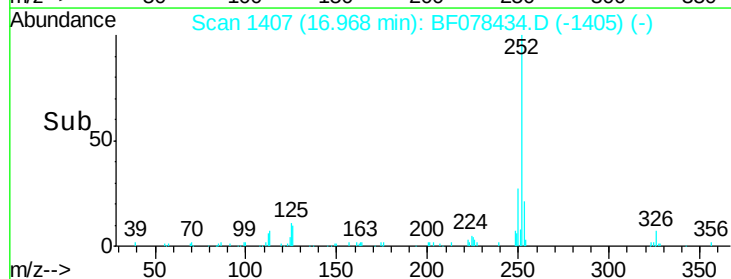
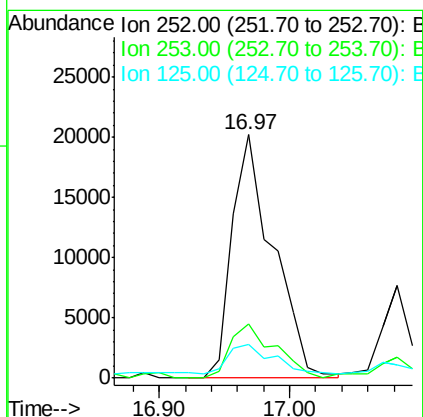
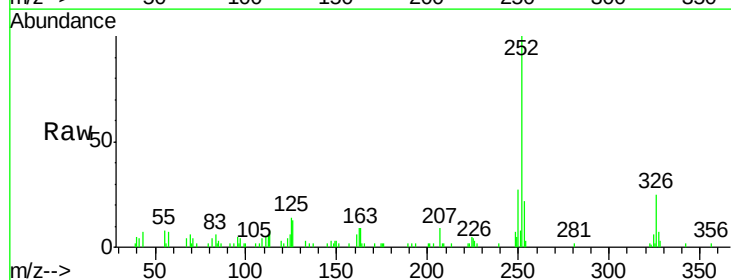
Instrument :
BNA_F
ClientSampleId :
SB-3DADL2

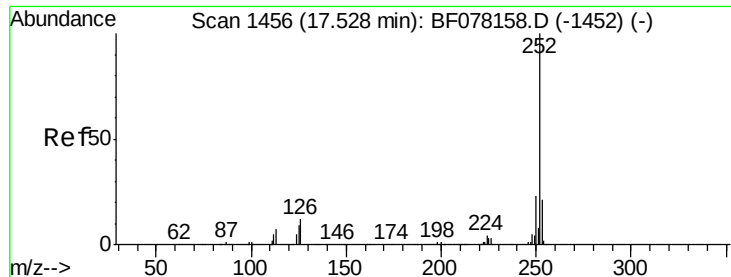
Tgt Ion:252 Resp: 44024
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 13.9 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 5.38 ng
RT: 16.97 min Scan# 1407
Delta R.T. -0.08 min
Lab File: BF078434.D
Acq: 11 Apr 2015 10:21

Tgt Ion:252 Resp: 44277
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 13.9 11.6 17.4





#89

Benzo(a)pyrene

Concen: 4.95 ng

RT: 17.33 min Scan# 1439

Delta R.T. -0.07 min

Lab File: BF078434.D

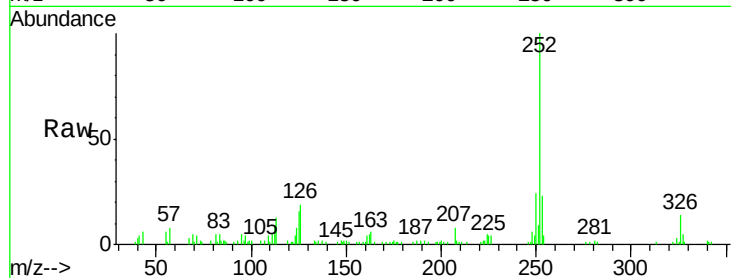
Acq: 11 Apr 2015 10:21

Instrument :

BNA_F

ClientSampleId :

SB-3DADL2



Tgt Ion:	252	Resp:	39954
Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.8	25.2
125	16.1	7.4	11.0#

