

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040115\
 Data File : BF078166.D
 Acq On : 1 Apr 2015 21:57
 Operator : TP/IZ
 Sample : PB82442BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB82442BL

Quant Time: Apr 02 04:01:26 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 02 04:05:08 2015
 Response via : Initial Calibration

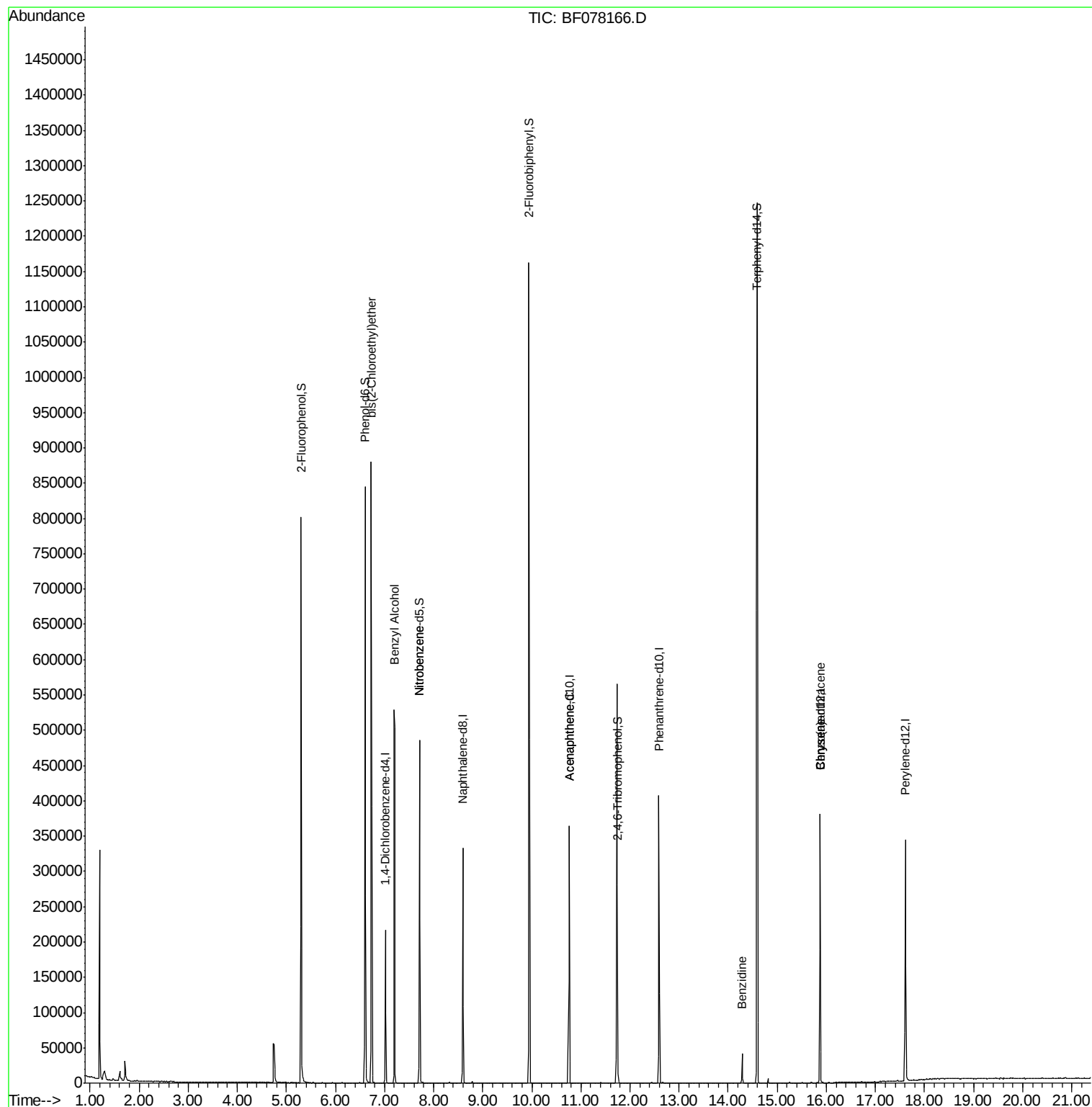
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	39747	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	163889	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	82087	20.00	ng	0.00
63) Phenanthrene-d10	12.59	188	164727	20.00	ng	0.00
75) Chrysene-d12	15.87	240	166635	20.00	ng	0.00
86) Perylene-d12	17.61	264	159075	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	266278	110.46	ng	0.00
7) Phenol-d6	6.60	99	313808	103.87	ng	0.00
23) Nitrobenzene-d5	7.71	82	181870	67.26	ng	0.00
41) 2,4,6-Tribromophenol	11.74	330	74360	109.22	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	420978	73.31	ng	0.00
78) Terphenyl-d14	14.59	244	508372	68.94	ng	0.00
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	6.73	93	287	0.11	ng	# 1
15) Benzyl Alcohol	7.20	79	3127	1.47	ng	# 54
24) Nitrobenzene	7.71	77	269	0.10	ng	# 30
51) Acenaphthene	10.76	154	254	0.05	ng	# 4
76) Benzidine	14.28	184	20085	1.42	ng	# 98
80) Benzo(a)anthracene	15.87	228	237	0.02	ng	# 52
82) Chrysene	15.87	228	237	0.03	ng	# 49

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

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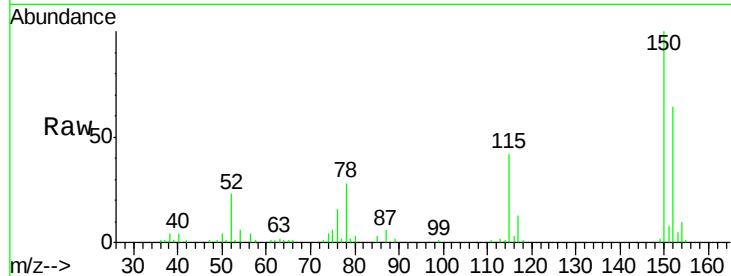


#1

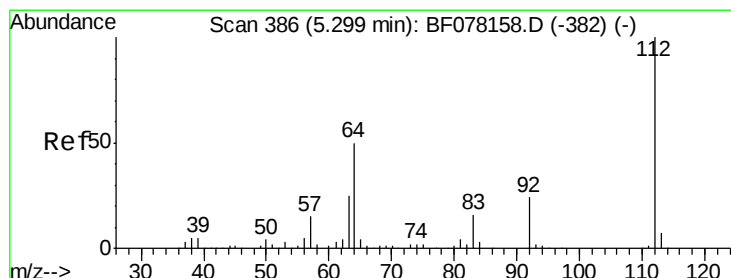
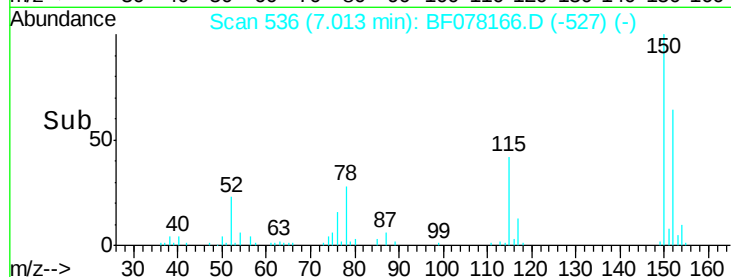
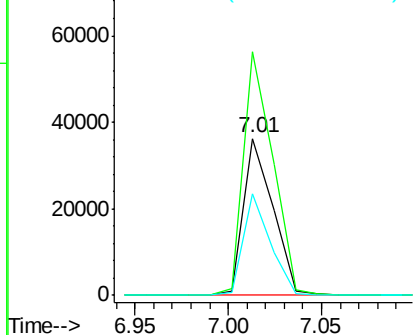
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.01 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: BF078166.D
 Acq: 1 Apr 2015 21:57

Instrument :
 BNA_F
 ClientSampleId :
 PB82442BL

Tgt Ion:152 Resp: 39747
 Ion Ratio Lower Upper
 152 100
 150 155.4 125.9 188.9
 115 64.9 52.7 79.1



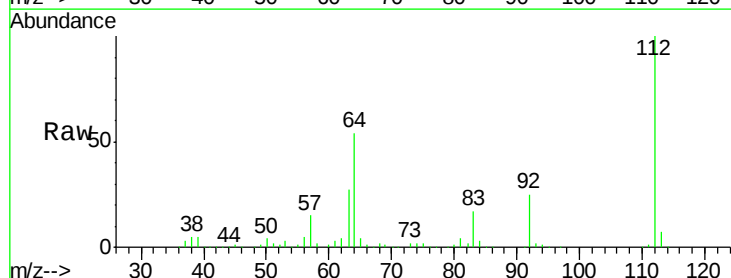
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



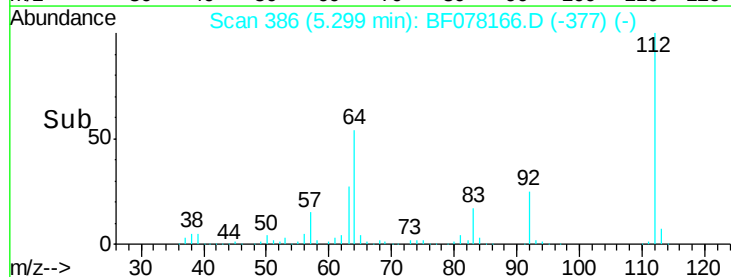
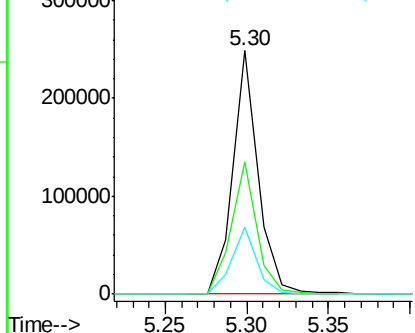
#5

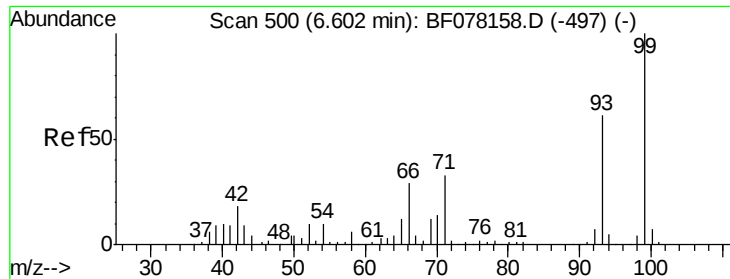
2-Fluorophenol
 Concen: 110.46 ng
 RT: 5.30 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: BF078166.D
 Acq: 1 Apr 2015 21:57

Tgt Ion:112 Resp: 266278
 Ion Ratio Lower Upper
 112 100
 64 54.2 39.9 59.9
 63 27.5 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: 103.87 ng

RT: 6.60 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF078166.D

Acq: 1 Apr 2015 21:57

Instrument :

BNA_F

ClientSampleId :

PB82442BL

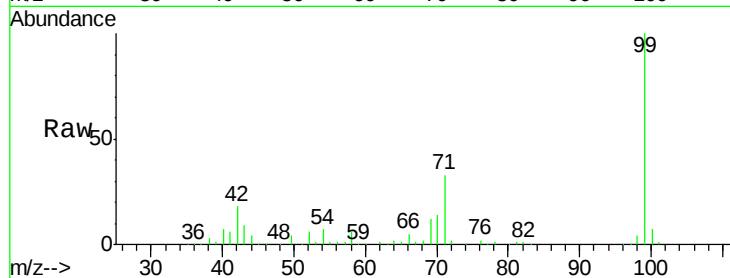
Tgt Ion: 99 Resp: 313808

Ion Ratio Lower Upper

99 100

42 18.4 14.8 22.2

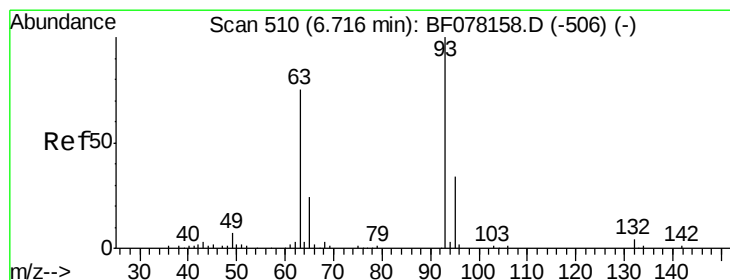
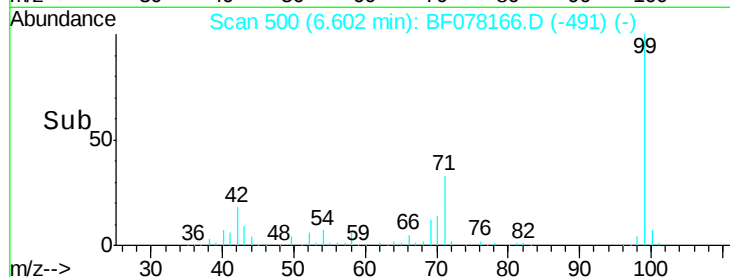
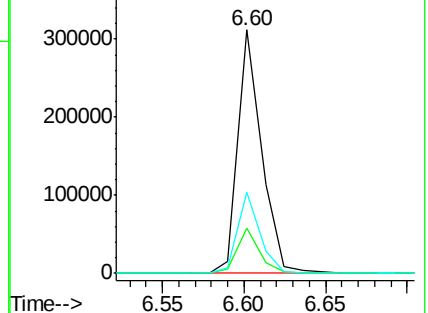
71 33.4 26.6 39.8



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



#11

bis(2-Chloroethyl)ether

Concen: 0.11 ng

RT: 6.73 min Scan# 511

Delta R.T. 0.01 min

Lab File: BF078166.D

Acq: 1 Apr 2015 21:57

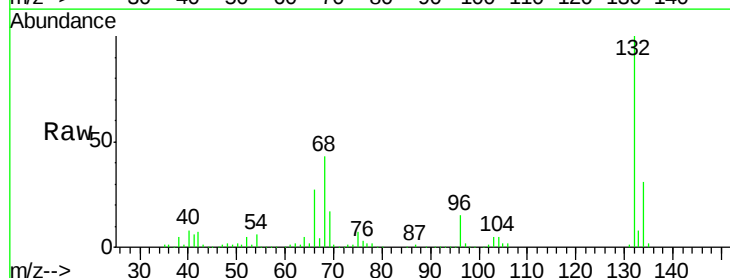
Tgt Ion: 93 Resp: 287

Ion Ratio Lower Upper

93 100

63 658.4 54.6 94.6#

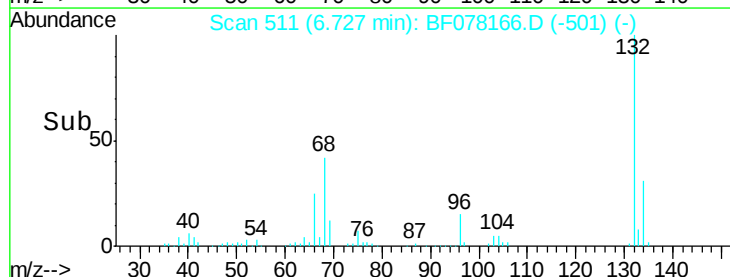
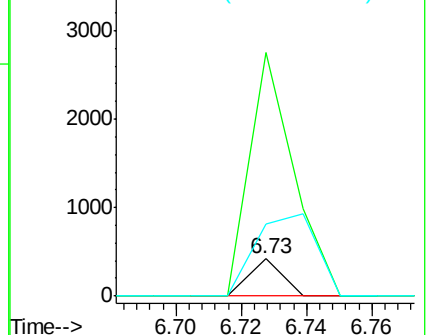
95 194.7 13.6 53.6#

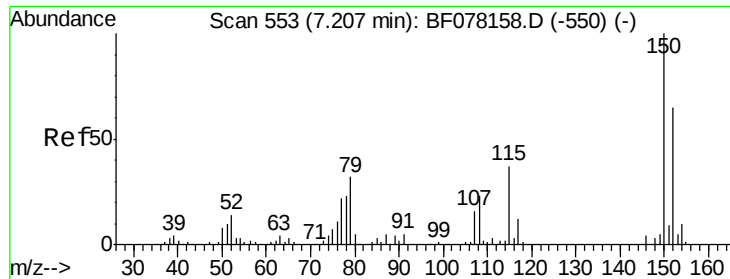


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 1.47 ng

RT: 7.20 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF078166.D

Acq: 1 Apr 2015 21:57

Instrument :

BNA_F

ClientSampleId :

PB82442BL

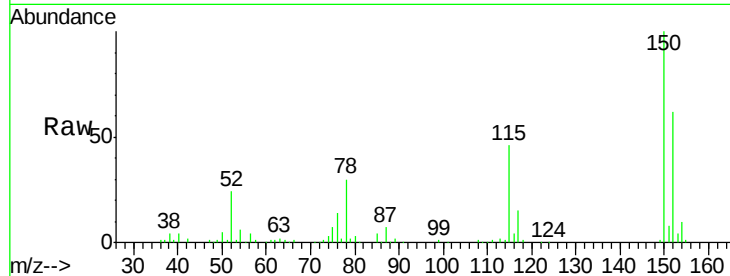
Tgt Ion: 79 Resp: 3127

Ion Ratio Lower Upper

79 100

108 22.8 57.6 86.4#

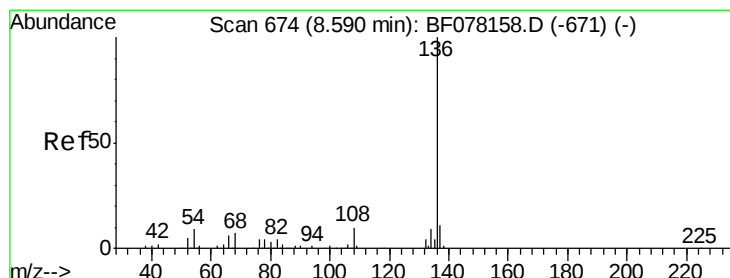
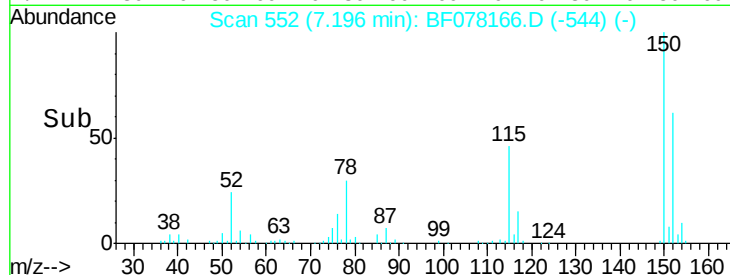
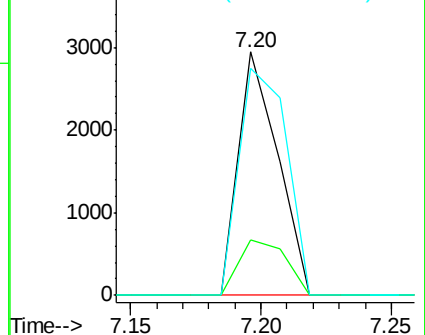
77 93.3 53.5 80.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.59 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF078166.D

Acq: 1 Apr 2015 21:57

Tgt Ion: 136 Resp: 163889

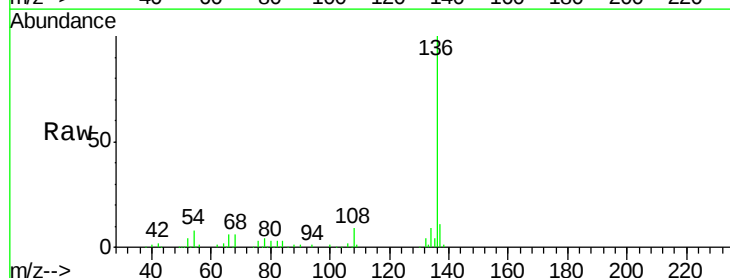
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.9 7.0 10.6

68 6.2 5.4 8.2

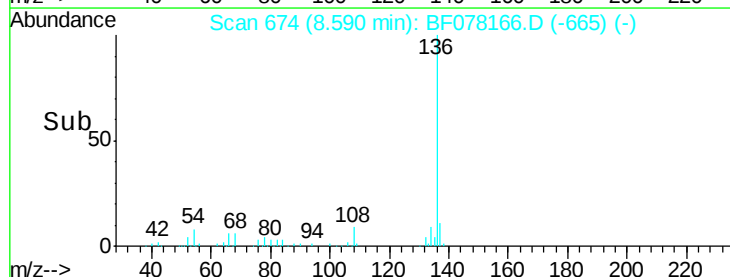
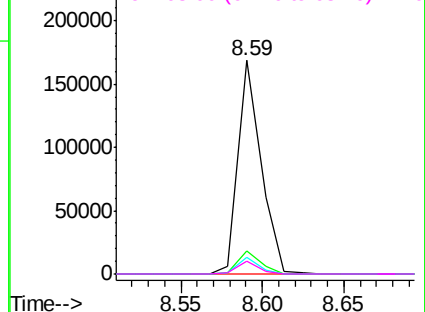


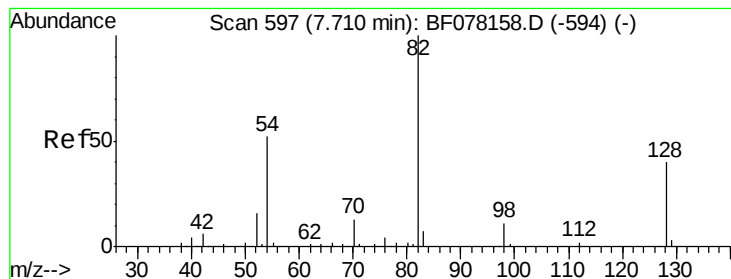
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 67.26 ng

RT: 7.71 min Scan# 597

Delta R.T. 0.00 min

Lab File: BF078166.D

Acq: 1 Apr 2015 21:57

Instrument :

BNA_F

ClientSampleId :

PB82442BL

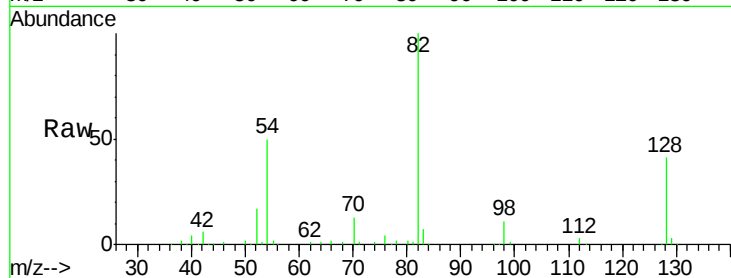
Tgt Ion: 82 Resp: 181870

Ion Ratio Lower Upper

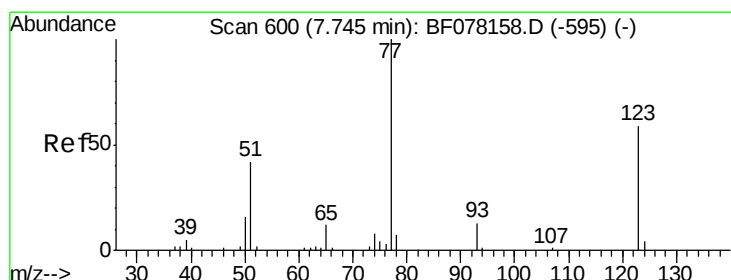
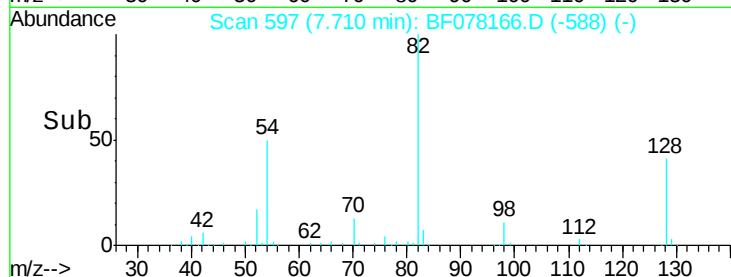
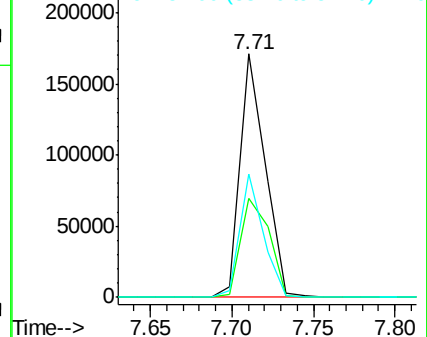
82 100

128 40.8 31.8 47.8

54 50.5 41.5 62.3



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



#24

Nitrobenzene

Concen: 0.10 ng

RT: 7.71 min Scan# 597

Delta R.T. -0.03 min

Lab File: BF078166.D

Acq: 1 Apr 2015 21:57

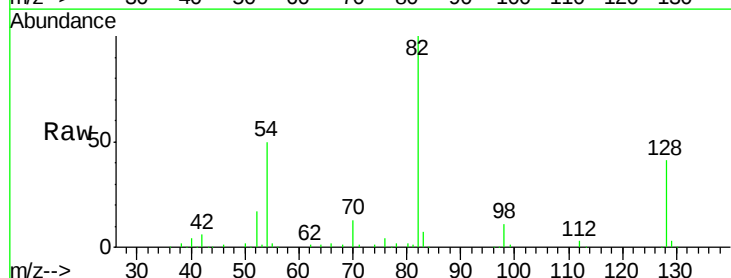
Tgt Ion: 77 Resp: 269

Ion Ratio Lower Upper

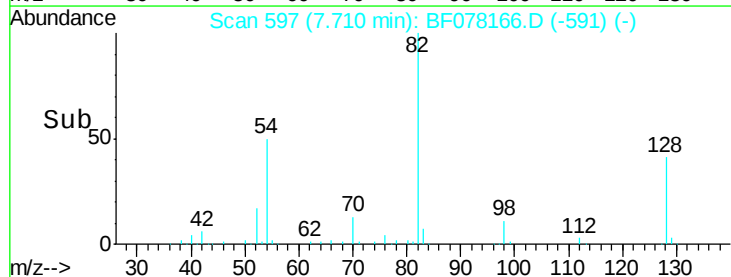
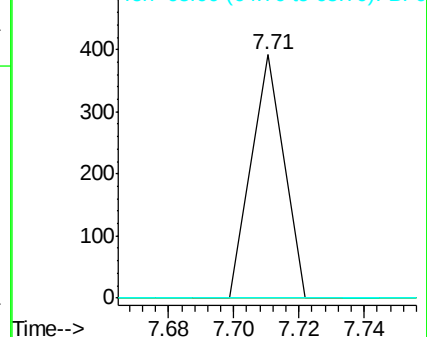
77 100

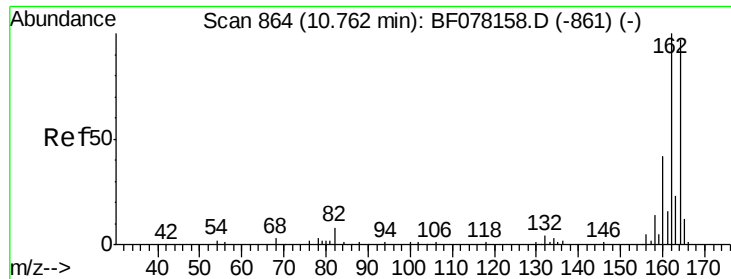
123 0.0 46.9 70.3#

65 0.0 9.5 14.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.76 min Scan# 864

Delta R.T. 0.00 min

Lab File: BF078166.D

Acq: 1 Apr 2015 21:57

Instrument :

BNA_F

ClientSampleId :

PB82442BL

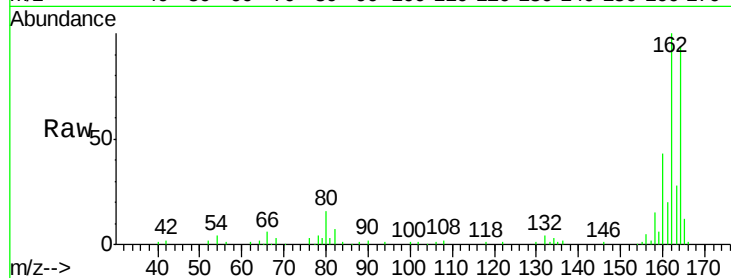
Tgt Ion:164 Resp: 82087

Ion Ratio Lower Upper

164 100

162 106.0 82.2 123.2

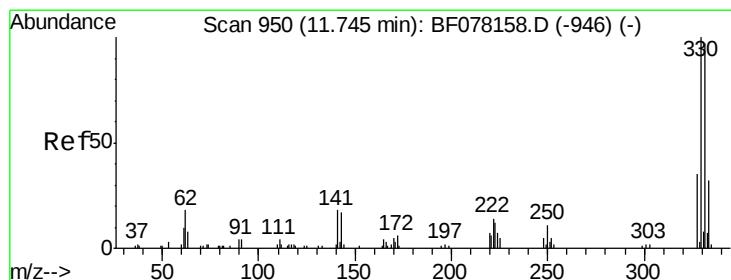
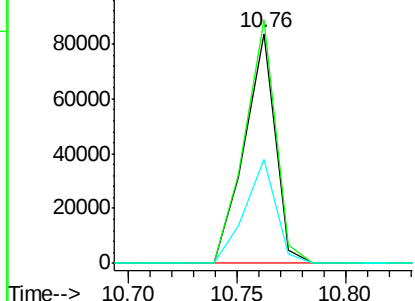
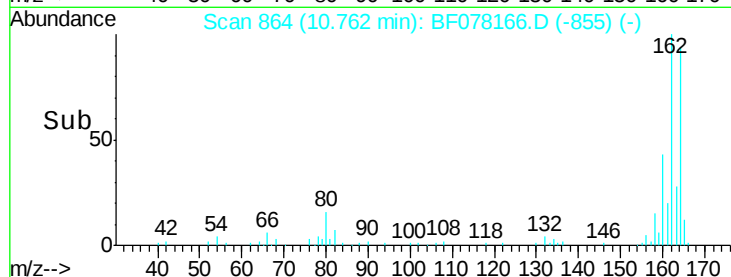
160 45.5 34.7 52.1



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: 109.22 ng

RT: 11.74 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF078166.D

Acq: 1 Apr 2015 21:57

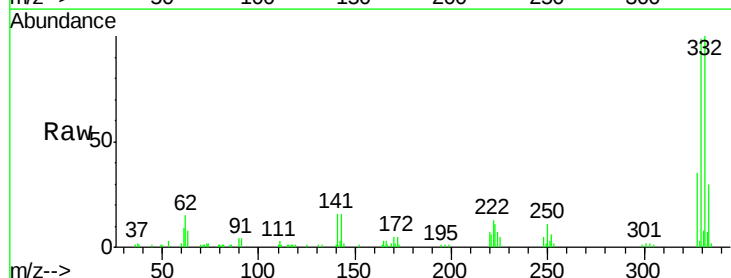
Tgt Ion:330 Resp: 74360

Ion Ratio Lower Upper

330 100

332 99.1 78.6 117.8

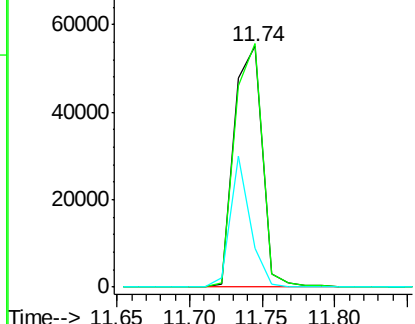
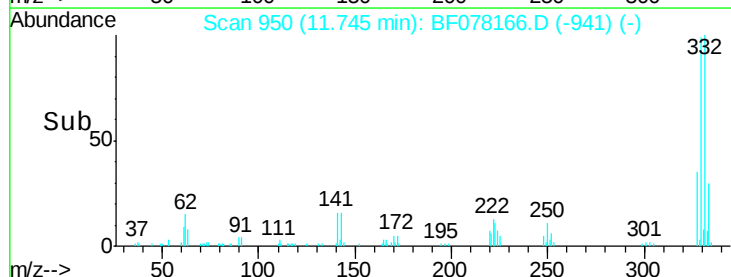
141 38.4 31.2 46.8

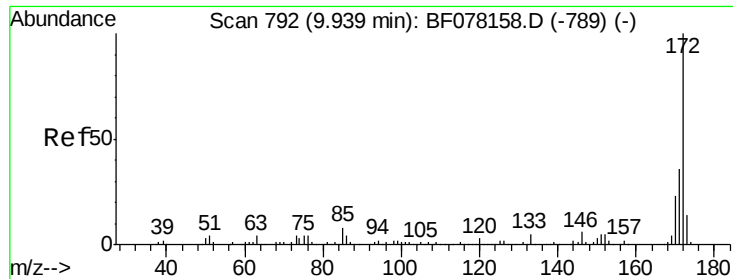


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

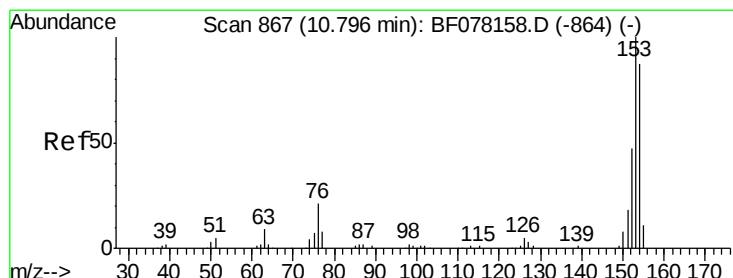
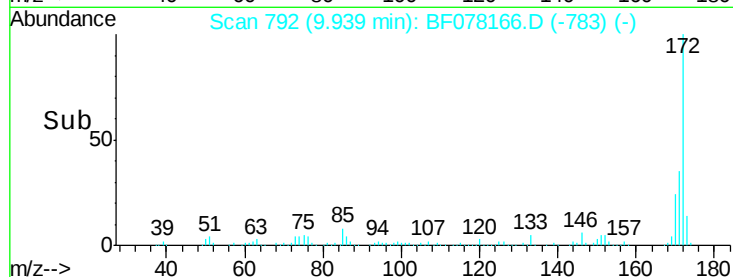
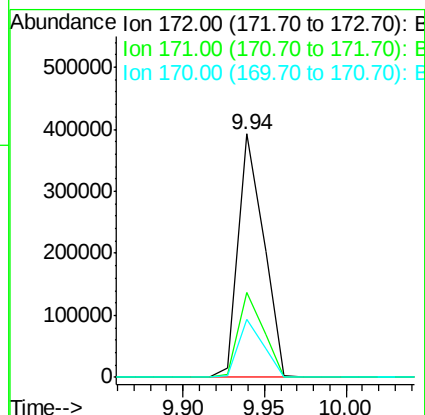
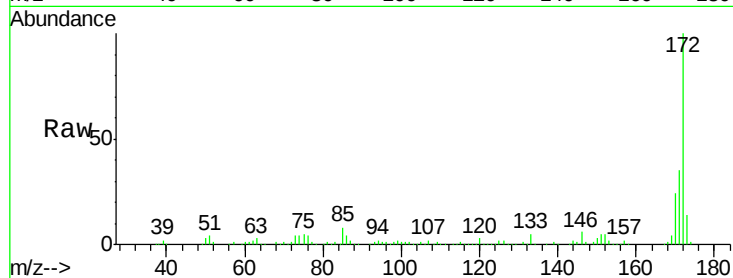




#44
2-Fluorobiphenyl
Concen: 73.31 ng
RT: 9.94 min Scan# 792
Delta R.T. 0.00 min
Lab File: BF078166.D
Acq: 1 Apr 2015 21:57

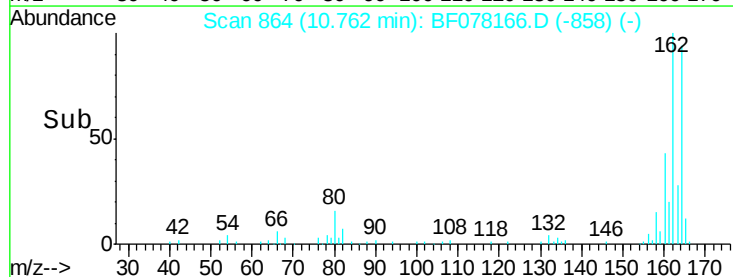
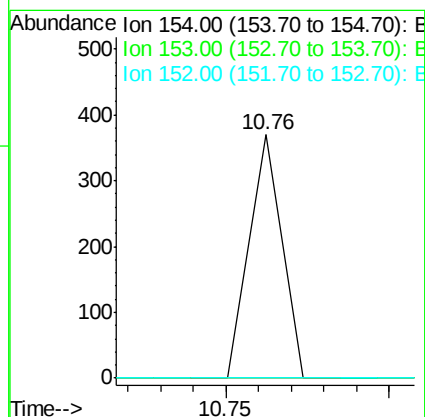
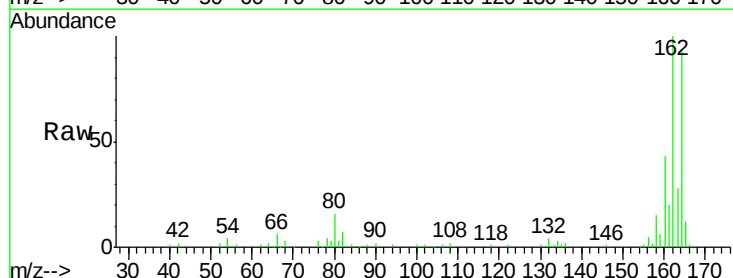
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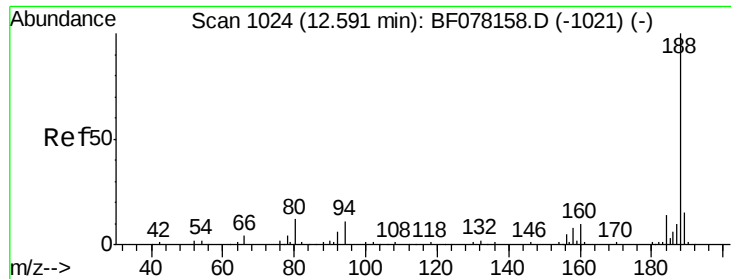
Tgt Ion:172 Resp: 420978
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.7 18.5 27.7



#51
Acenaphthene
Concen: 0.05 ng
RT: 10.76 min Scan# 864
Delta R.T. -0.03 min
Lab File: BF078166.D
Acq: 1 Apr 2015 21:57

Tgt Ion:154 Resp: 254
Ion Ratio Lower Upper
154 100
153 0.0 91.4 137.2#
152 0.0 43.0 64.6#

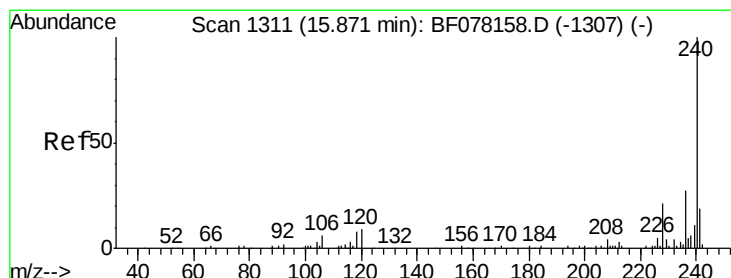
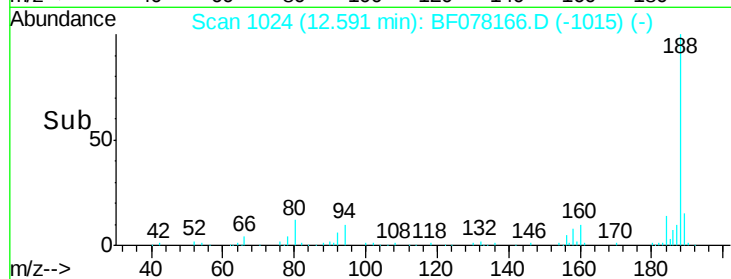
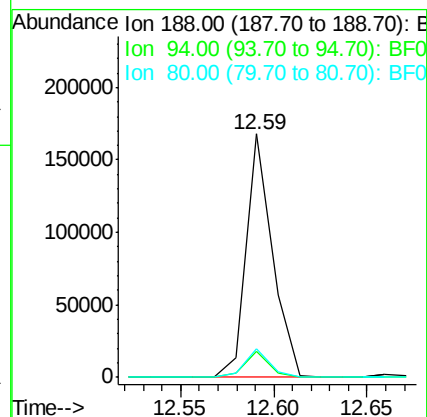
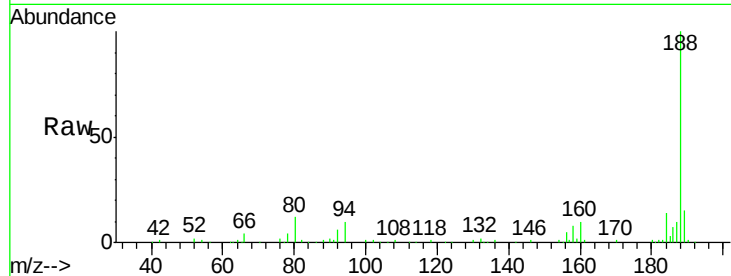




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF078166.D
Acq: 1 Apr 2015 21:57

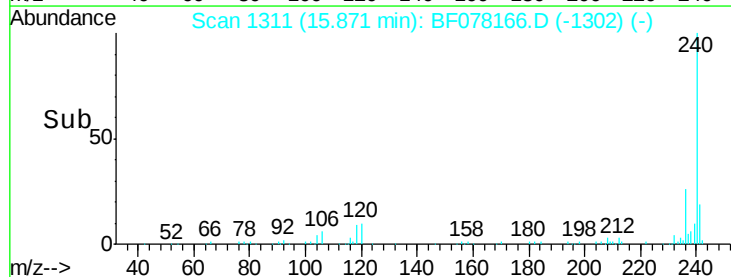
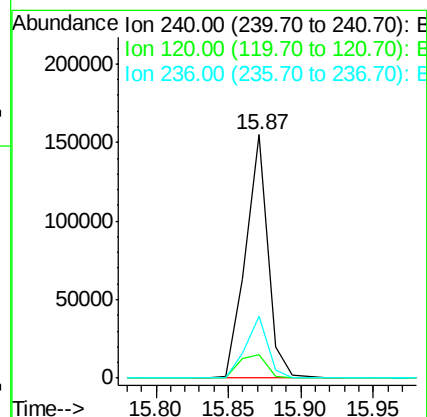
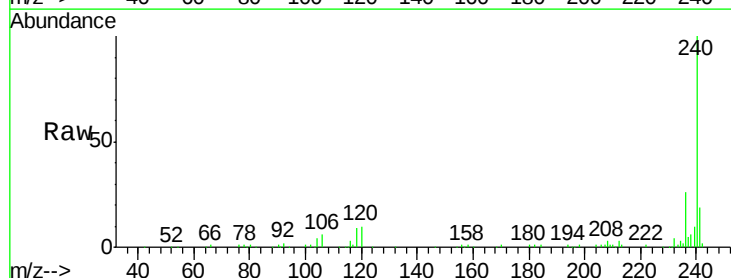
Instrument :
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PB82442BL

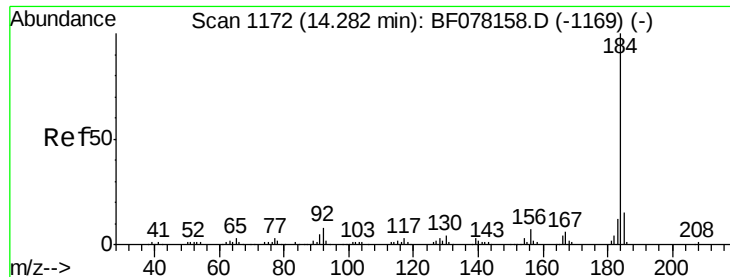
Tgt Ion:188 Resp: 164727
Ion Ratio Lower Upper
188 100
94 10.5 9.0 13.4
80 11.8 9.5 14.3



#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.87 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BF078166.D
Acq: 1 Apr 2015 21:57

Tgt Ion:240 Resp: 166635
Ion Ratio Lower Upper
240 100
120 9.8 7.1 10.7
236 25.6 21.4 32.2

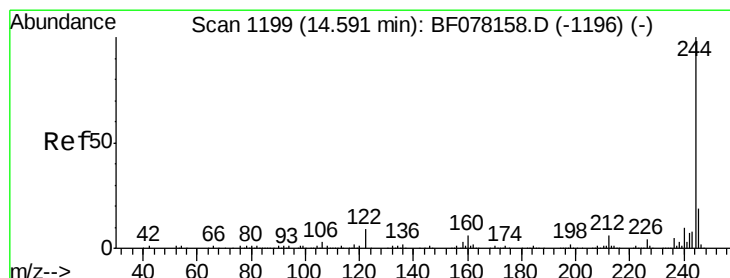
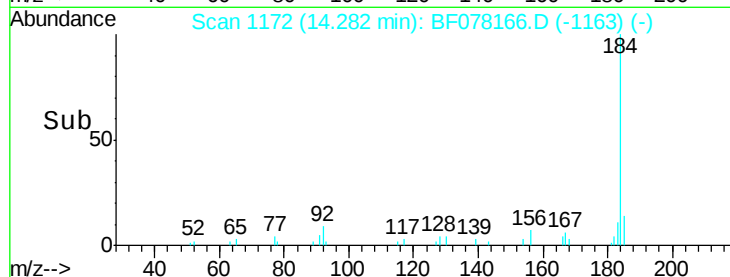
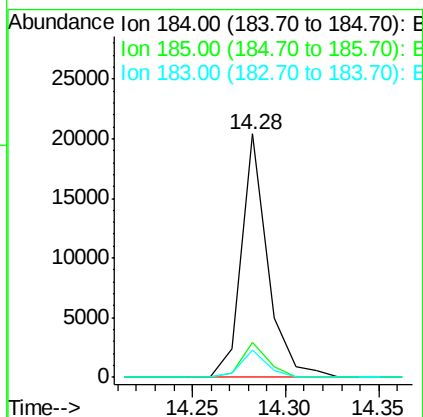
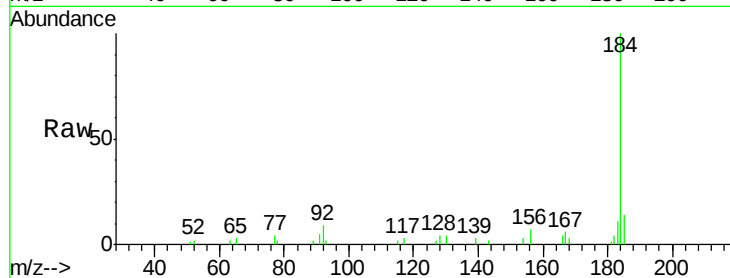




#76
Benzidine
Concen: 1.42 ng
RT: 14.28 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF078166.D
Acq: 1 Apr 2015 21:57

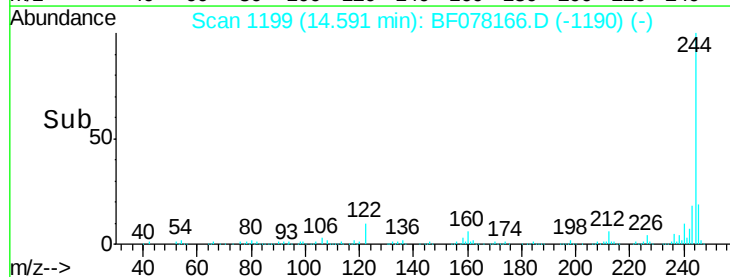
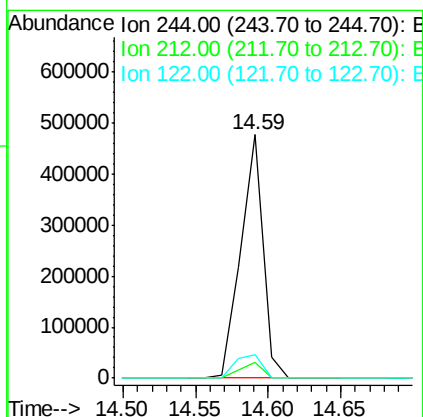
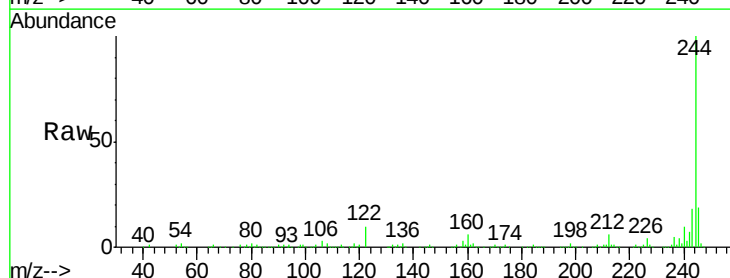
Instrument :
BNA_F
ClientSampleId :
PB82442BL

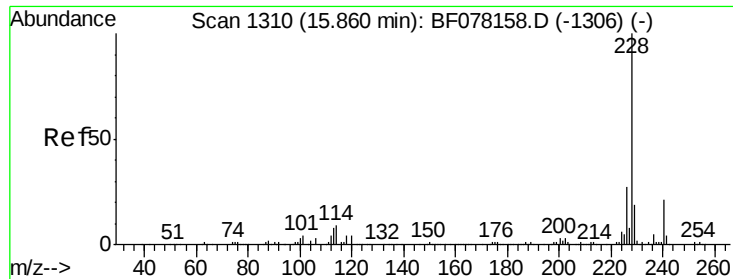
Tgt Ion:184 Resp: 20085
Ion Ratio Lower Upper
184 100
185 14.4 12.2 18.2
183 11.4 9.5 14.3



#78
Terphenyl-d14
Concen: 68.94 ng
RT: 14.59 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BF078166.D
Acq: 1 Apr 2015 21:57

Tgt Ion:244 Resp: 508372
Ion Ratio Lower Upper
244 100
212 6.4 5.0 7.4
122 9.7 7.1 10.7





#80

Benzo(a)anthracene

Concen: 0.02 ng

RT: 15.87 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BF078166.D

Acq: 1 Apr 2015 21:57

Instrument :

BNA_F

ClientSampleId :

PB82442BL

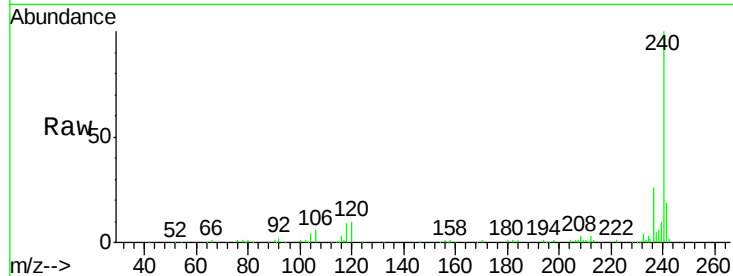
Tgt Ion:228 Resp: 237

Ion Ratio Lower Upper

228 100

226 0.0 21.3 31.9#

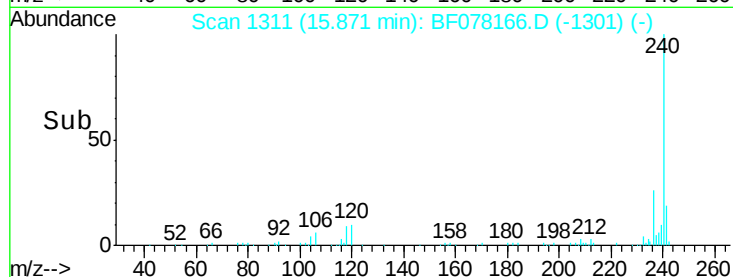
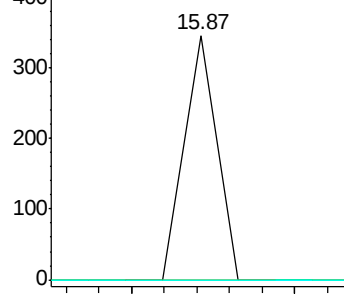
229 0.0 15.4 23.2#



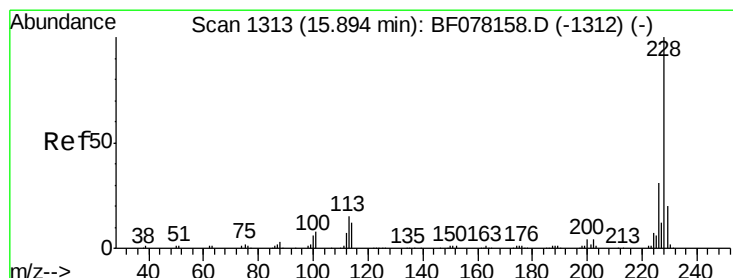
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 0.03 ng

RT: 15.87 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF078166.D

Acq: 1 Apr 2015 21:57

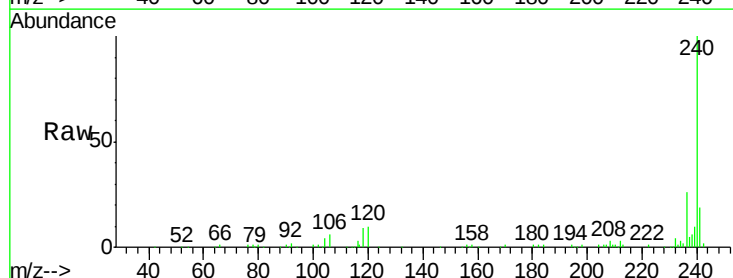
Tgt Ion:228 Resp: 237

Ion Ratio Lower Upper

228 100

226 0.0 24.2 36.4#

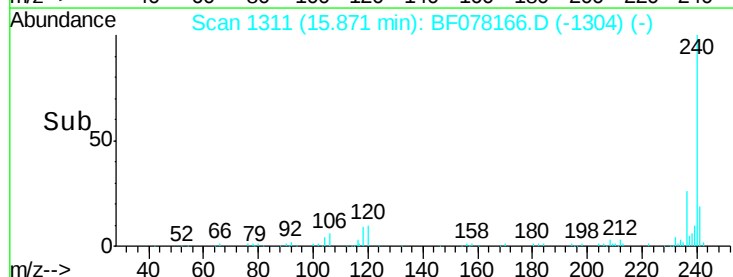
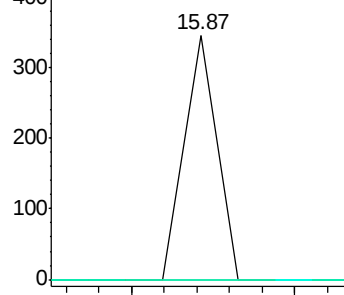
229 0.0 15.8 23.8#



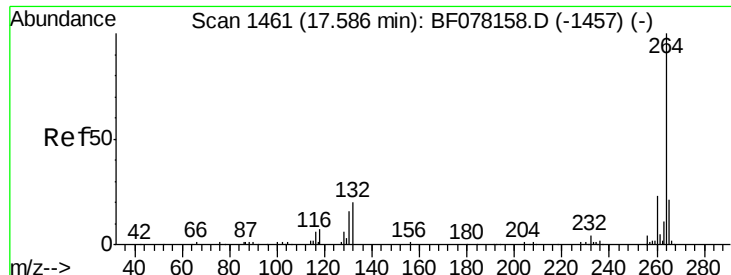
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



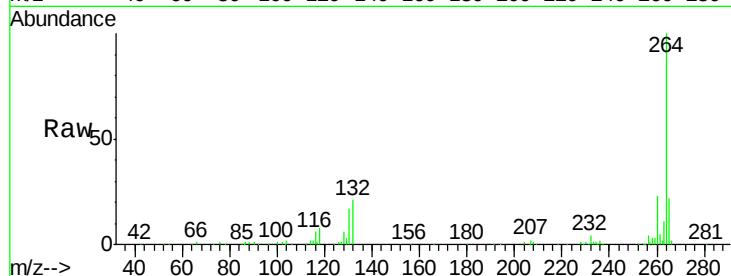
Time-->



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.61 min Scan# 1463
Delta R.T. 0.02 min
Lab File: BF078166.D
Acq: 1 Apr 2015 21:57

Instrument :
BNA_F
ClientSampleId :
PB82442BL

Tgt Ion: 264 Resp: 159075
Ion Ratio Lower Upper
264 100
260 22.8 18.6 27.8
265 21.8 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

