

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078472.D
 Acq On : 13 Apr 2015 20:58
 Operator : TP/IZ
 Sample : G1677-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)

Quant Time: Apr 14 01:24:35 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 01:02:55 2015
 Response via : Initial Calibration

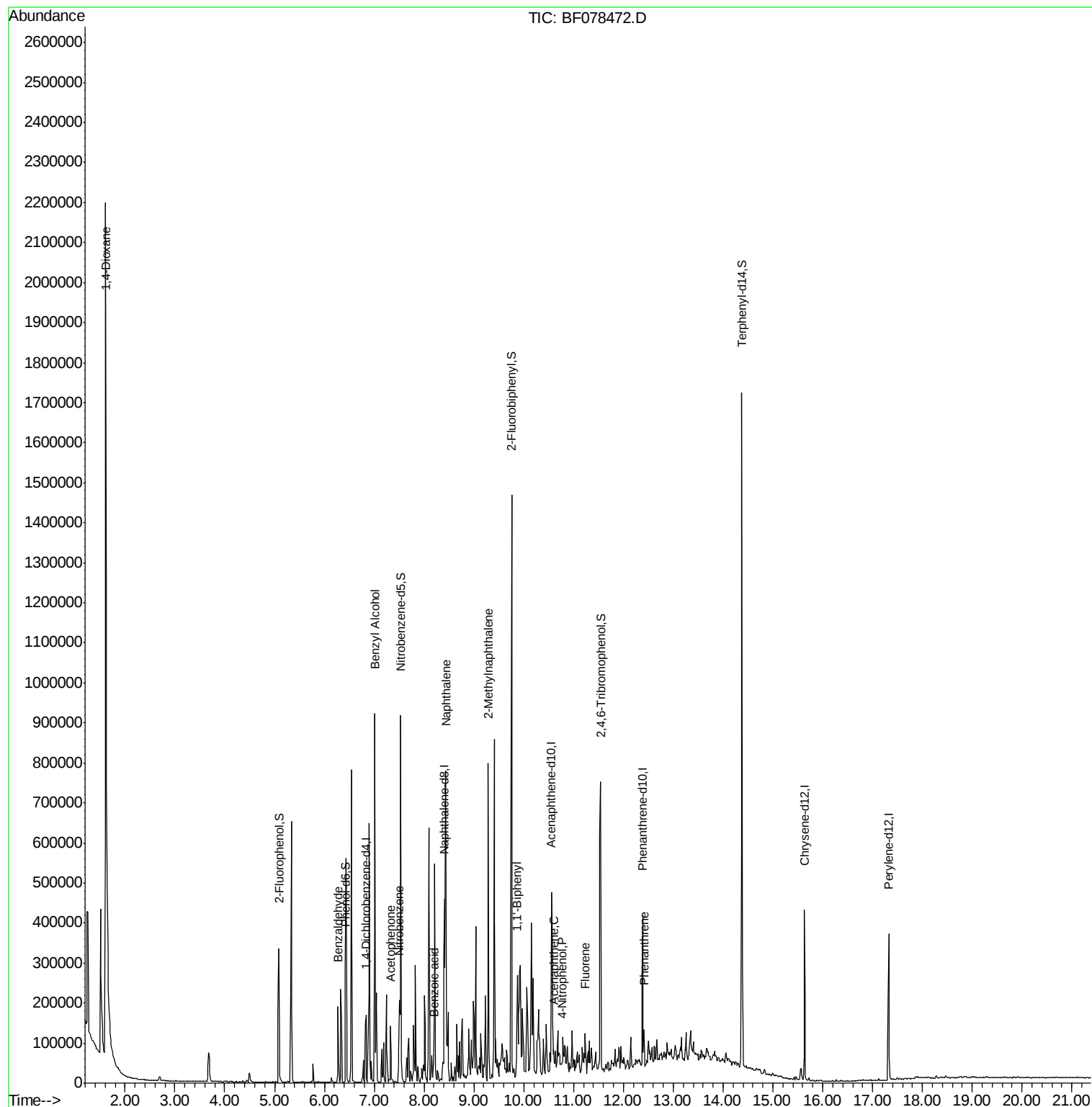
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	38318	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	161846	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	85652	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	170658	20.00	ng	0.00
75) Chrysene-d12	15.63	240	181214	20.00	ng	-0.02
86) Perylene-d12	17.33	264	172889	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	132003	56.80	ng	0.00
7) Phenol-d6	6.42	99	99770	34.26	ng	-0.01
23) Nitrobenzene-d5	7.53	82	235356	88.14	ng	-0.01
41) 2,4,6-Tribromophenol	11.54	330	111977	157.63	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	546689	91.24	ng	0.00
78) Terphenyl-d14	14.38	244	587352	73.24	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.61	88	94234	89.67	ng	# 23
9) Benzaldehyde	6.27	77	8736	4.53	ng	# 1
15) Benzyl Alcohol	7.02	79	4756	2.32	ng	# 50
22) Acetophenone	7.32	105	72900	19.33	ng	# 62
24) Nitrobenzene	7.51	77	11442	4.10	ng	# 15
31) Naphthalene	8.43	128	371552	44.11	ng	99
32) Benzoic acid	8.19	122	2365	7.58	ng	# 50
37) 2-Methylnaphthalene	9.29	142	211008	36.89	ng	99
45) 1,1'-Biphenyl	9.87	154	77842	11.11	ng	98
51) Acenaphthene	10.60	154	10313	2.06	ng	98
55) 4-Nitrophenol	10.76	139	605	3.29	ng	# 64
57) Fluorene	11.23	166	28490	4.59	ng	97
70) Phenanthrene	12.41	178	34995	3.54	ng	# 94

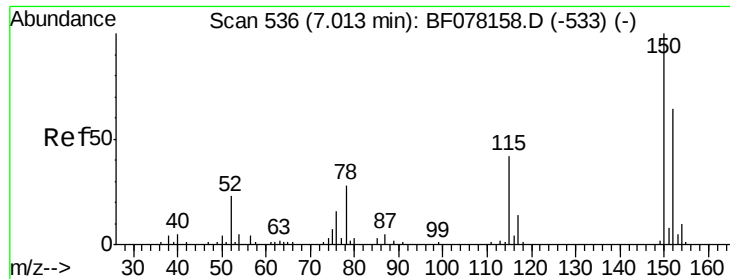
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 494

Delta R.T. -0.00 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)

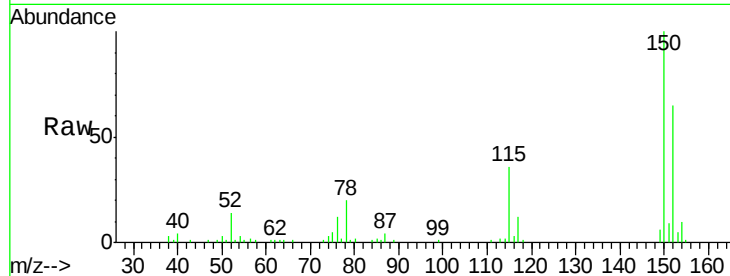
Tgt Ion:152 Resp: 38318

Ion Ratio Lower Upper

152 100

150 154.2 125.9 188.9

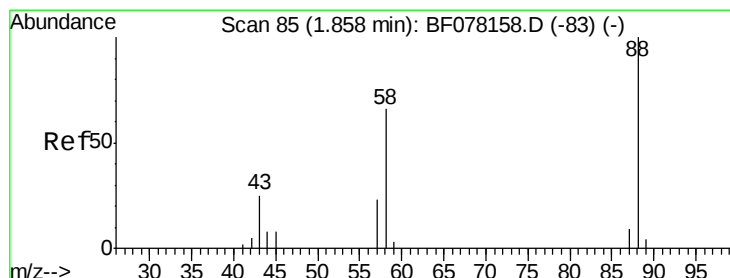
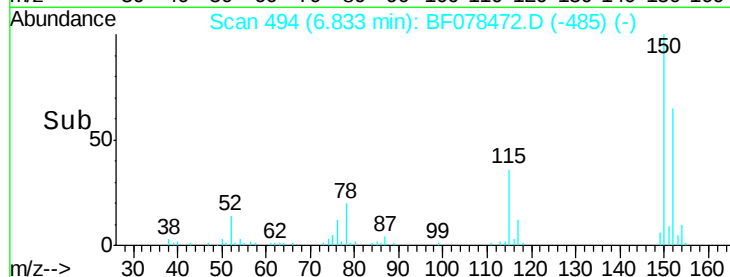
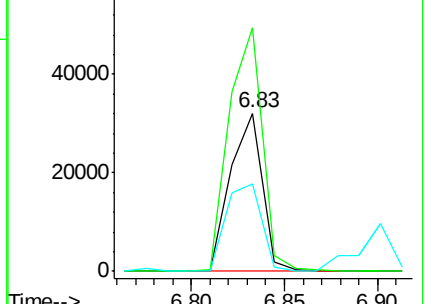
115 55.3 52.7 79.1



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



#2

1,4-Dioxane

Concen: 89.67 ng

RT: 1.61 min Scan# 37

Delta R.T. -0.00 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

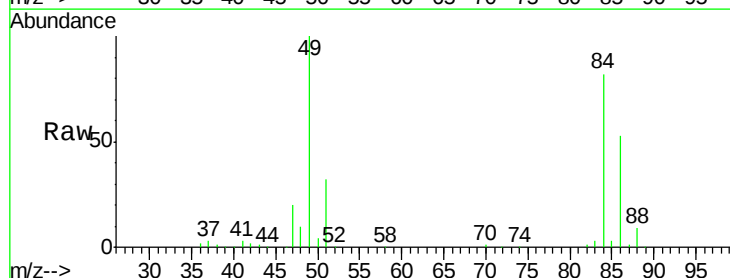
Tgt Ion: 88 Resp: 94234

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

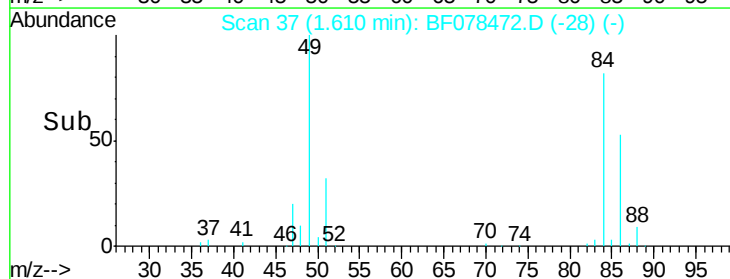
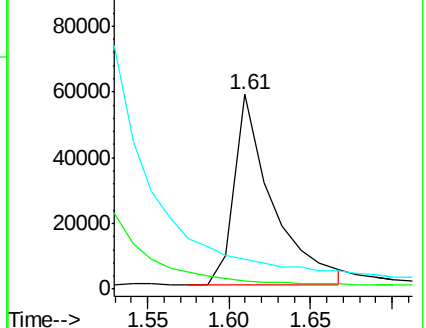
43 0.0 21.4 32.2#

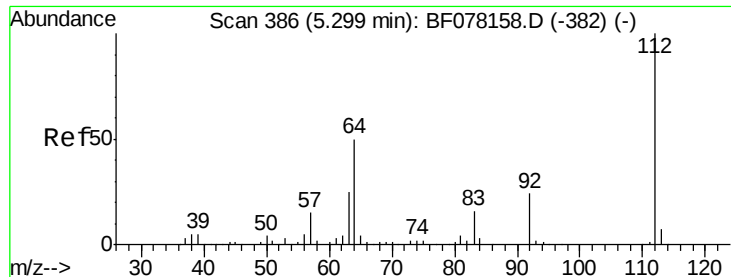


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 56.80 ng

RT: 5.08 min Scan# 341

Delta R.T. -0.00 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)

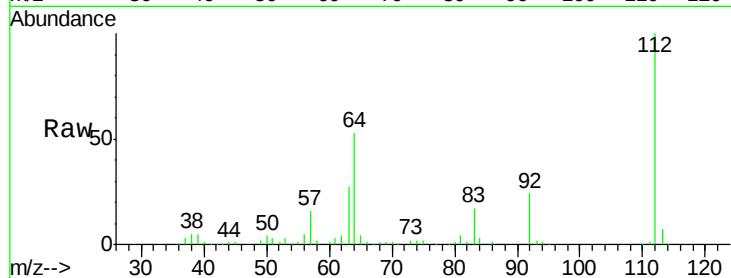
Tgt Ion: 112 Resp: 132003

Ion Ratio Lower Upper

112 100

64 52.9 39.9 59.9

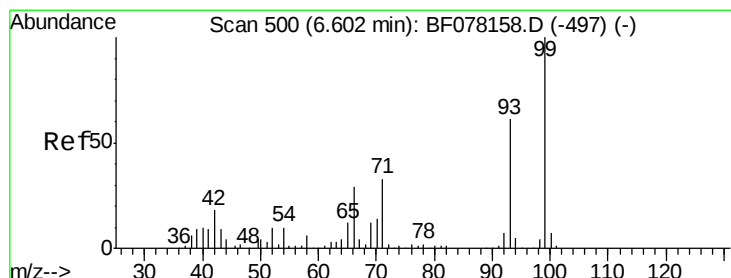
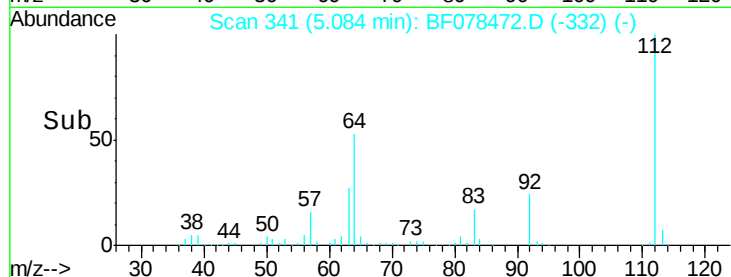
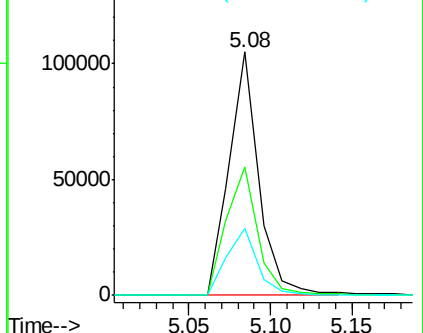
63 27.4 20.2 30.4



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: 34.26 ng

RT: 6.42 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

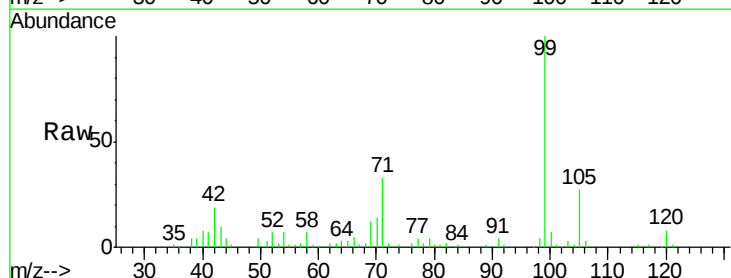
Tgt Ion: 99 Resp: 99770

Ion Ratio Lower Upper

99 100

42 19.1 14.8 22.2

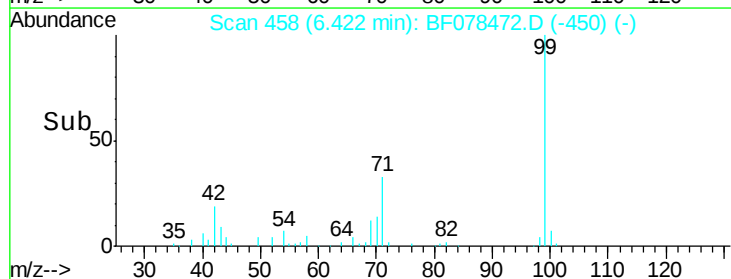
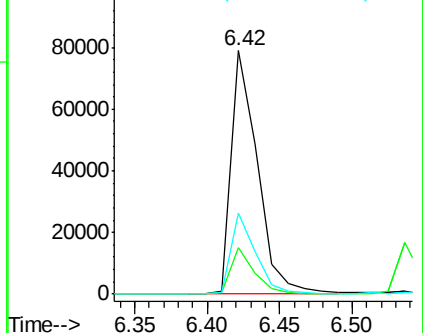
71 33.2 26.6 39.8

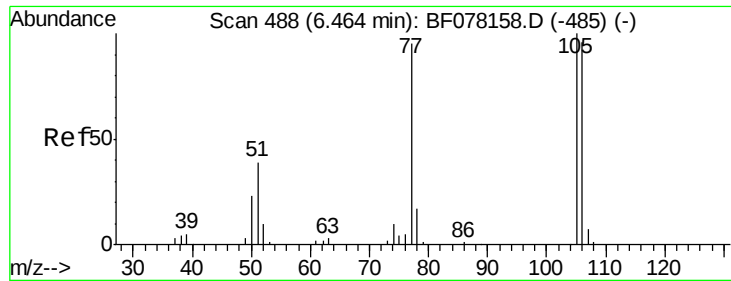


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 4.53 ng

RT: 6.27 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)

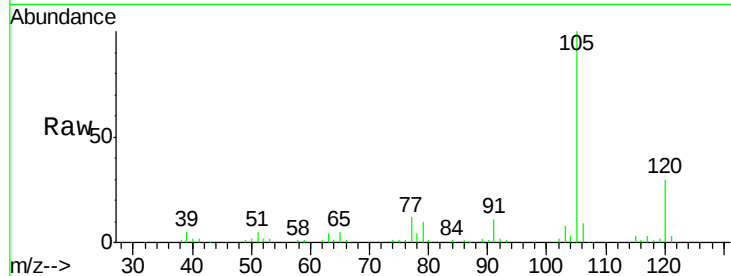
Tgt Ion: 77 Resp: 8736

Ion Ratio Lower Upper

77 100

105 854.3 85.4 125.4#

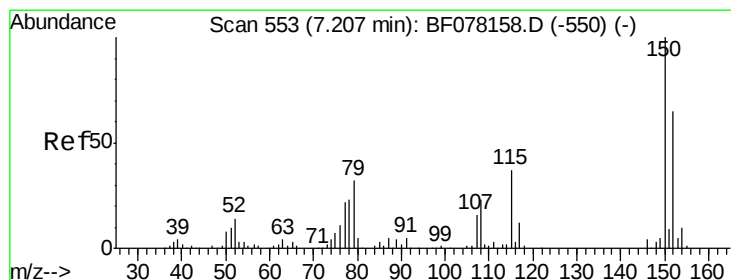
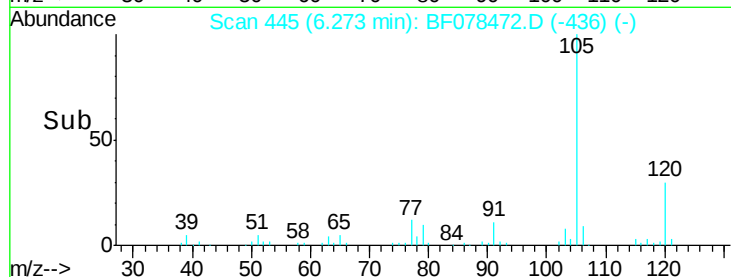
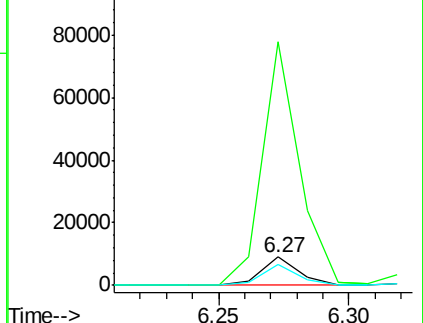
106 73.0 80.8 120.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 2.32 ng

RT: 7.02 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

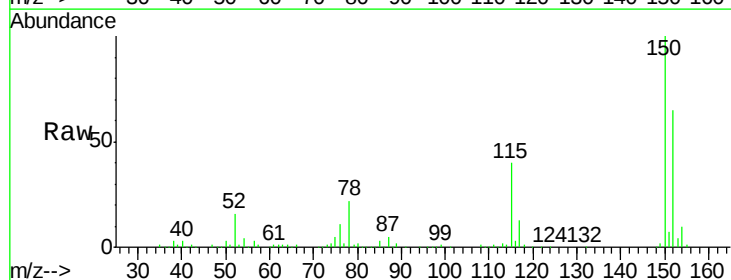
Tgt Ion: 79 Resp: 4756

Ion Ratio Lower Upper

79 100

108 34.5 57.6 86.4#

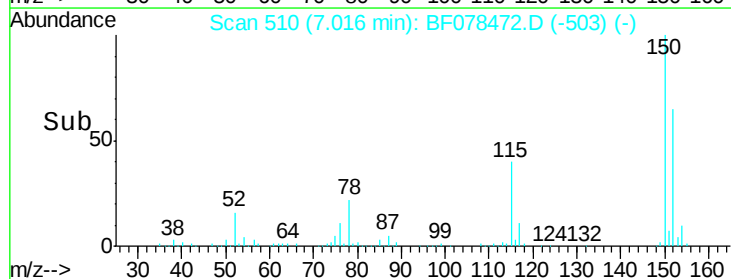
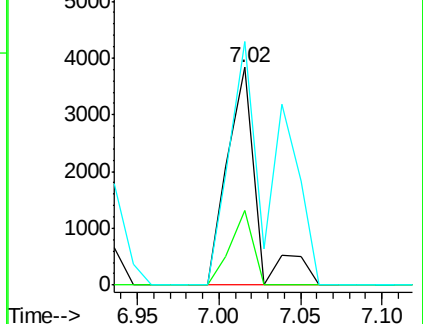
77 112.0 53.5 80.3#

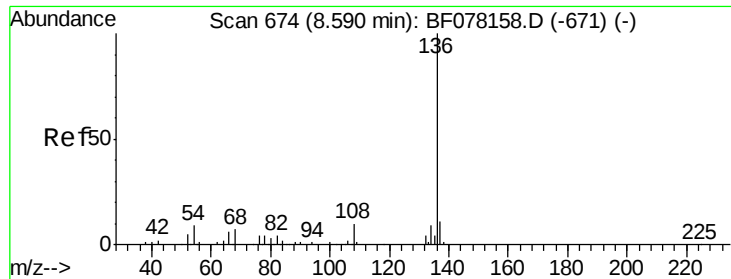


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.41 min Scan# 632

Delta R.T. -0.00 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)

Tgt Ion:136 Resp: 161846

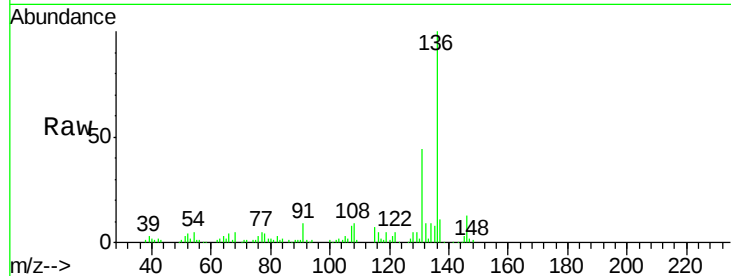
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 5.4 7.0 10.6#

68 4.8 5.4 8.2#

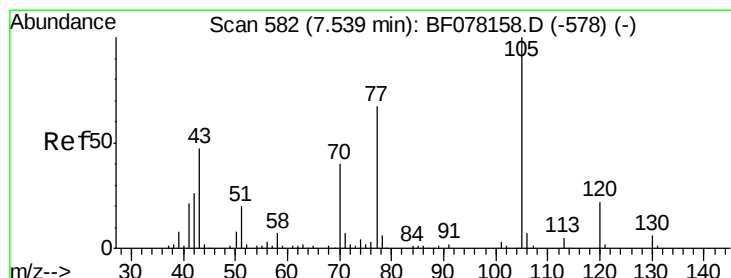
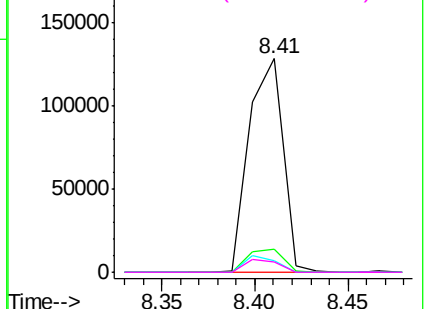
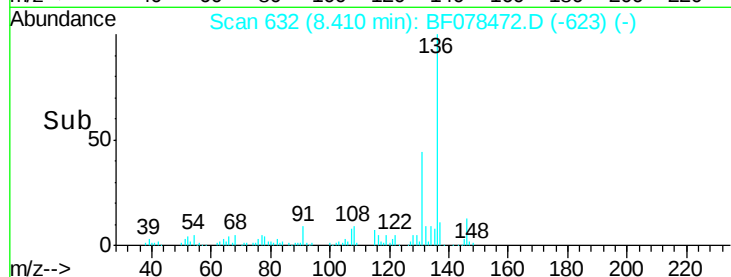


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 19.33 ng

RT: 7.32 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

Tgt Ion:105 Resp: 72900

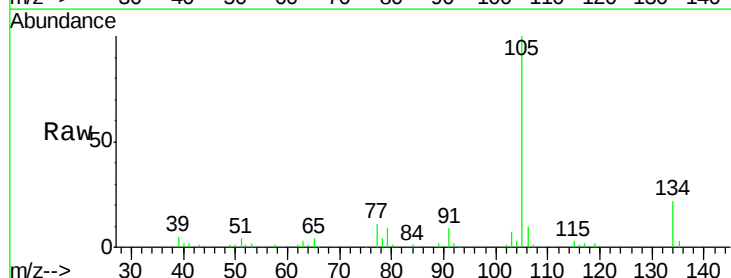
Ion Ratio Lower Upper

105 100

71 0.0 5.5 8.3#

51 3.7 16.0 24.0#

120 0.0 17.8 26.6#

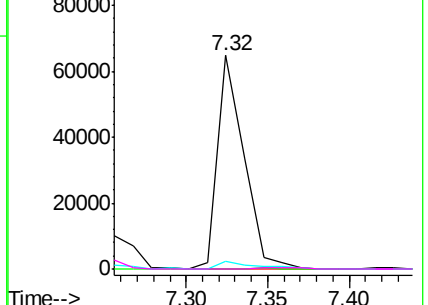
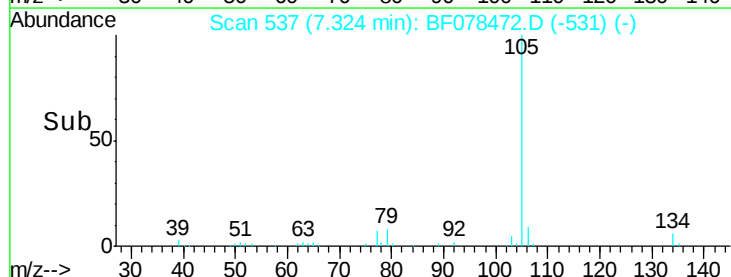


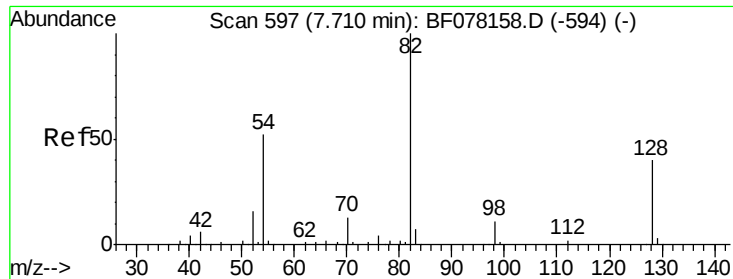
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

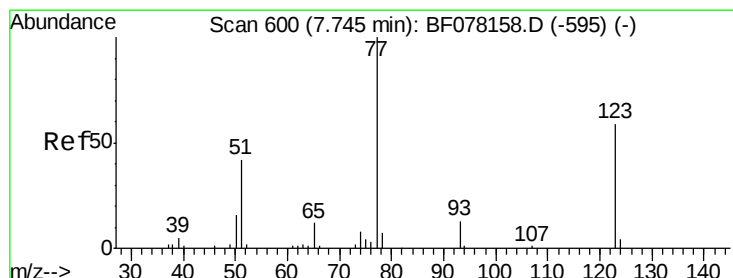
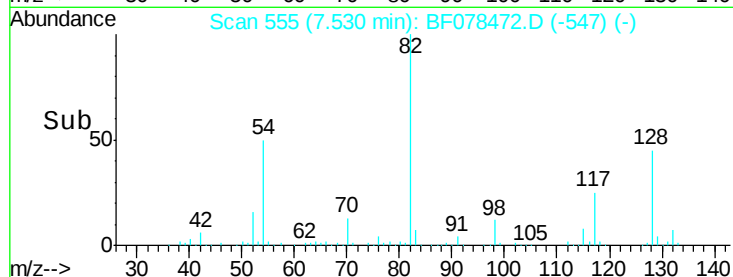
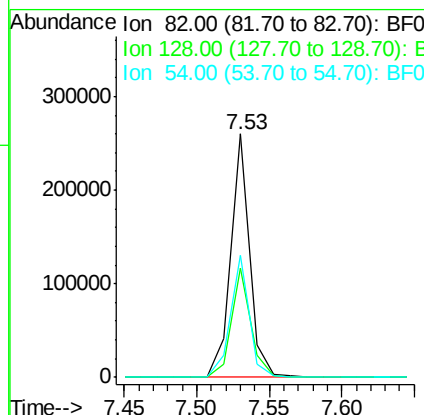
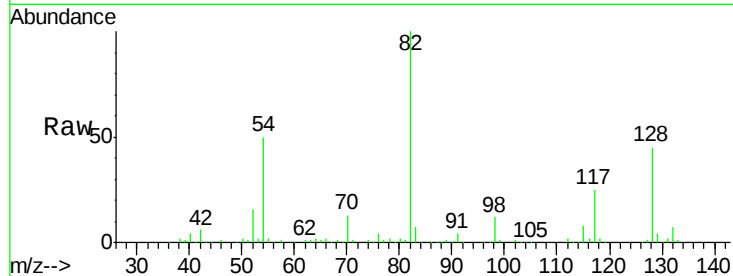




#23
 Nitrobenzene-d5
 Concen: 88.14 ng
 RT: 7.53 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

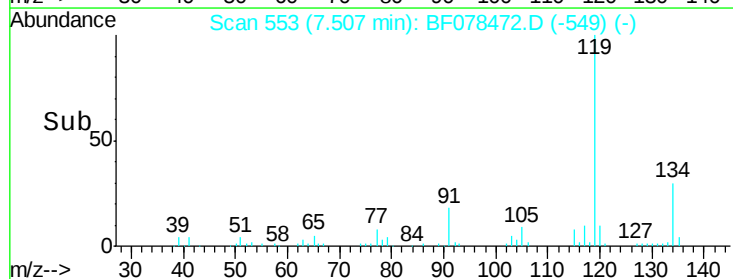
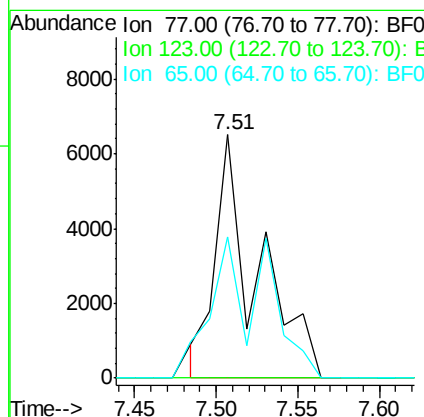
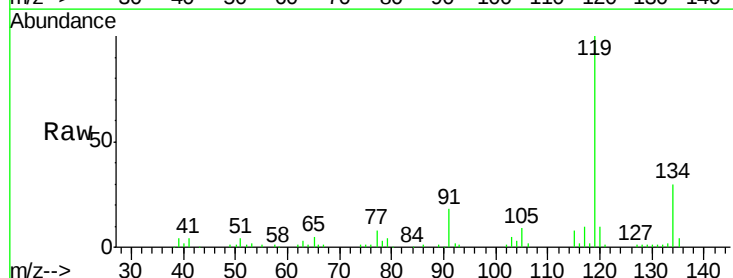
Instrument :
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 DEL-4S-2(7.0-7.5)

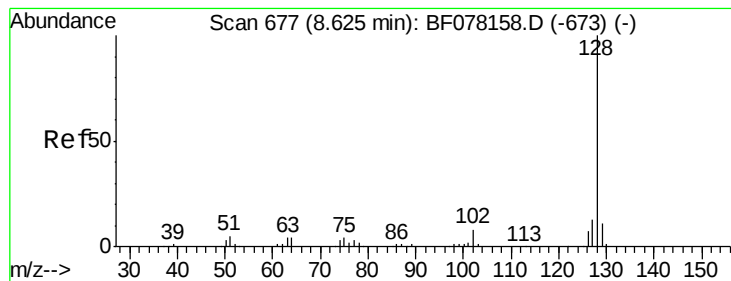
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	31.8	47.8
54	49.9	41.5	62.3



#24
 Nitrobenzene
 Concen: 4.10 ng
 RT: 7.51 min Scan# 553
 Delta R.T. -0.06 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	46.9	70.3#
65	58.1	9.5	14.3#





#31

Naphthalene

Concen: 44.11 ng

RT: 8.43 min Scan# 634

Delta R.T. -0.00 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)

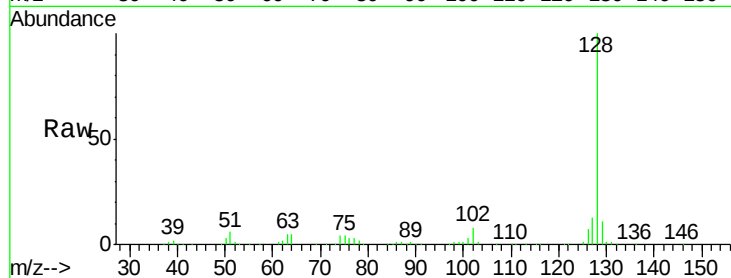
Tgt Ion:128 Resp: 371552

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

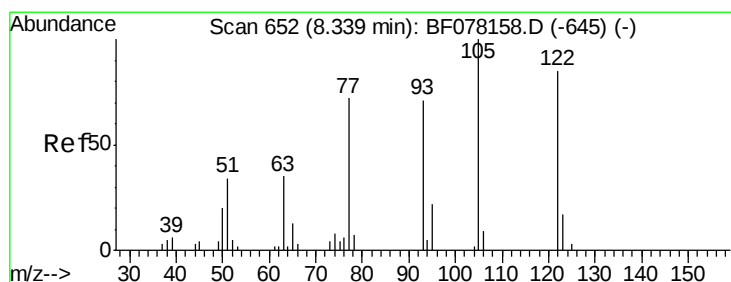
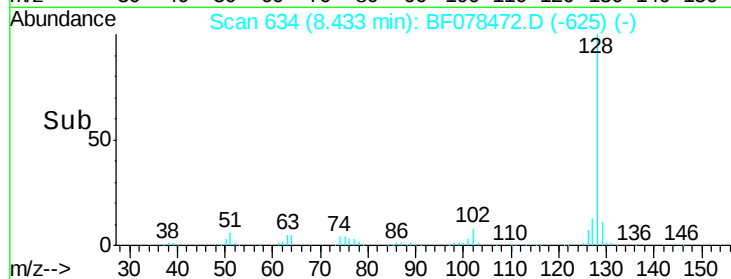
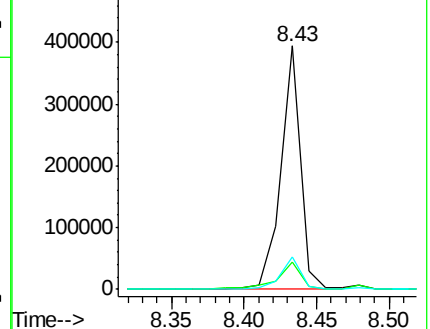
127 13.5 10.7 16.1



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



#32

Benzoic acid

Concen: 7.58 ng

RT: 8.19 min Scan# 613

Delta R.T. -0.00 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

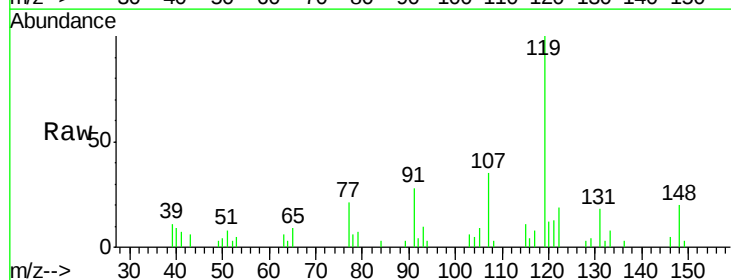
Tgt Ion:122 Resp: 2365

Ion Ratio Lower Upper

122 100

105 46.8 96.1 136.1#

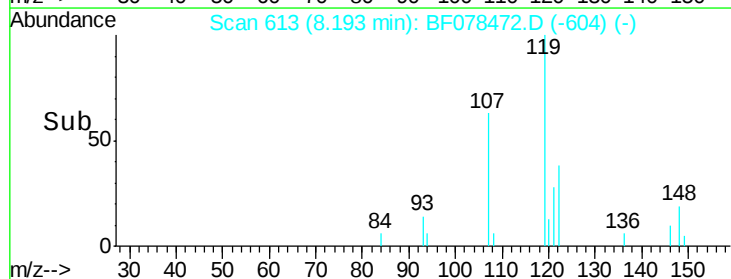
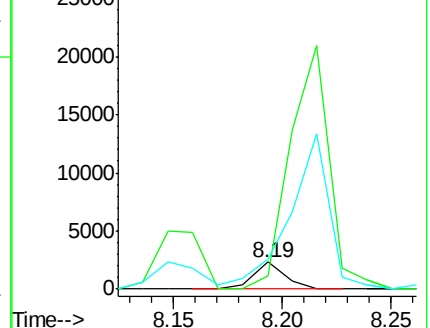
77 112.6 64.1 104.1#

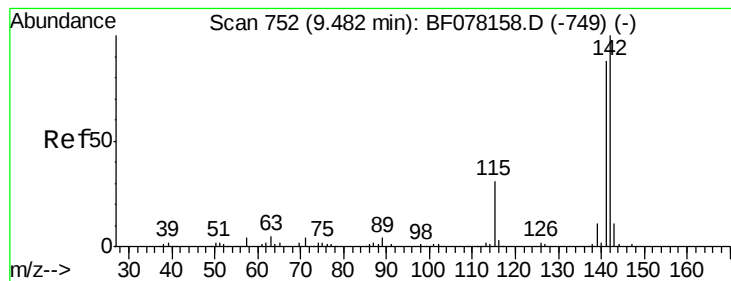


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#37

2-Methylnaphthalene

Concen: 36.89 ng

RT: 9.29 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)

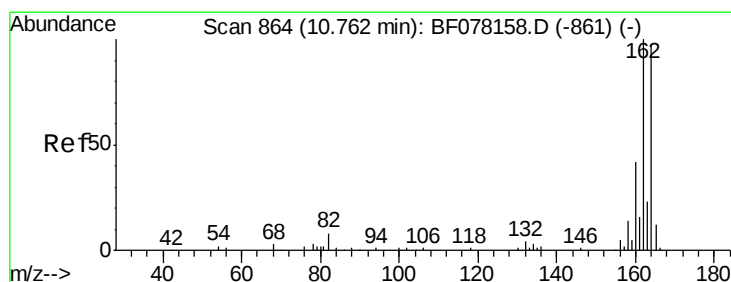
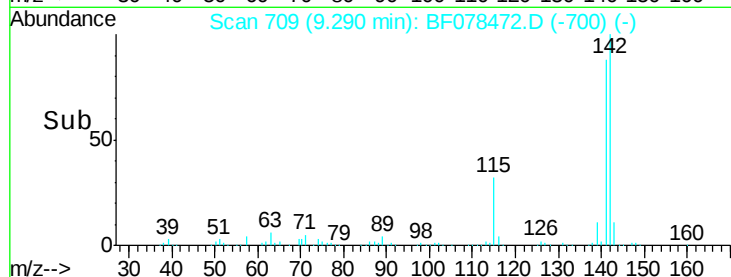
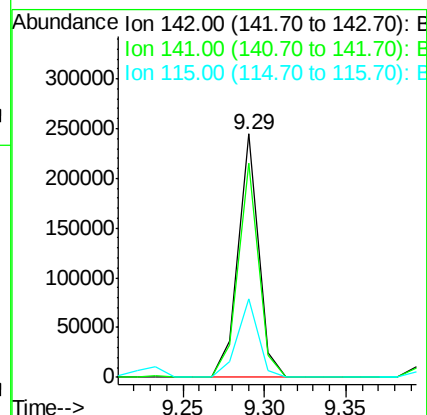
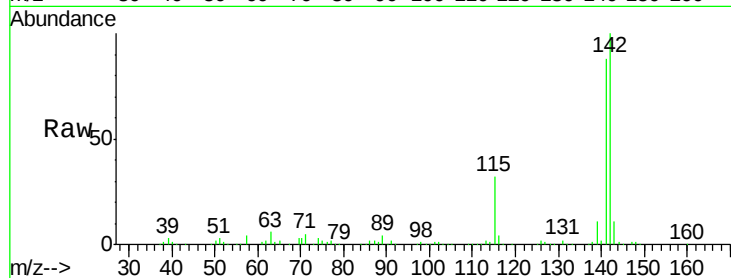
Tgt Ion:142 Resp: 211008

Ion Ratio Lower Upper

142 100

141 88.0 70.3 105.5

115 32.4 24.6 37.0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.56 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

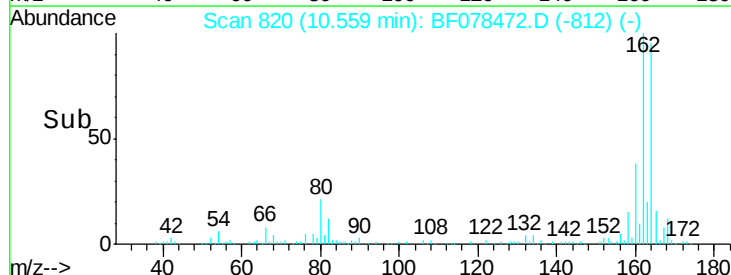
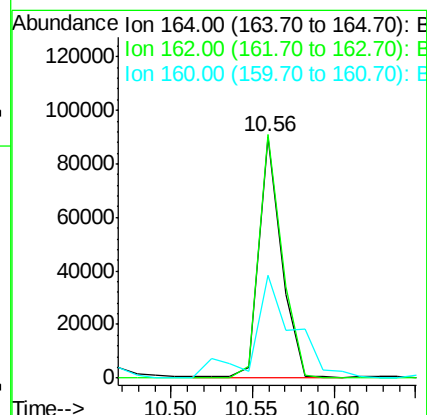
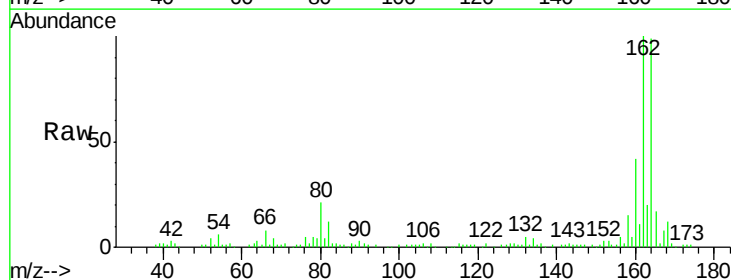
Tgt Ion:164 Resp: 85652

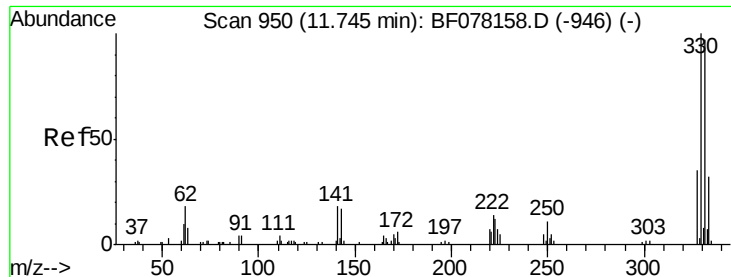
Ion Ratio Lower Upper

164 100

162 101.0 82.2 123.2

160 42.7 34.7 52.1

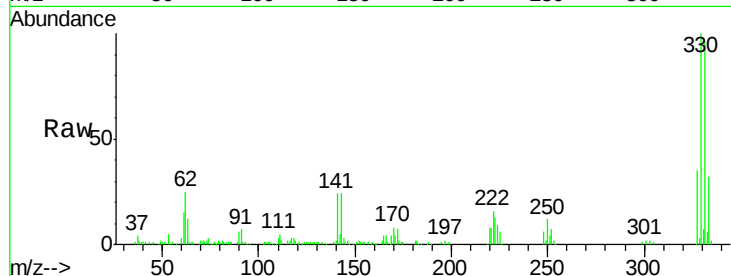




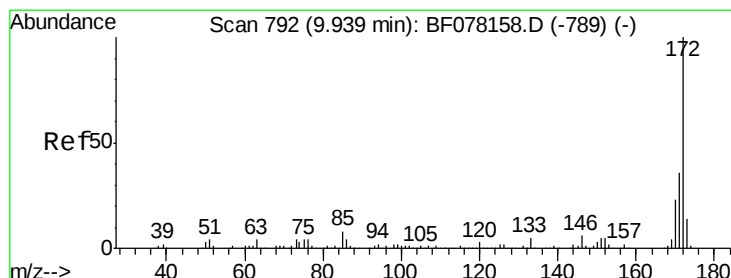
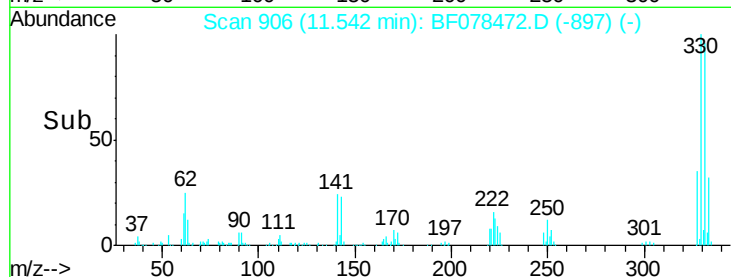
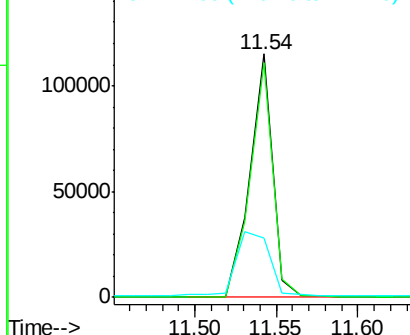
#41
 2,4,6-Tribromophenol
 Concen: 157.63 ng
 RT: 11.54 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.6	117.8
141	38.4	31.2	46.8

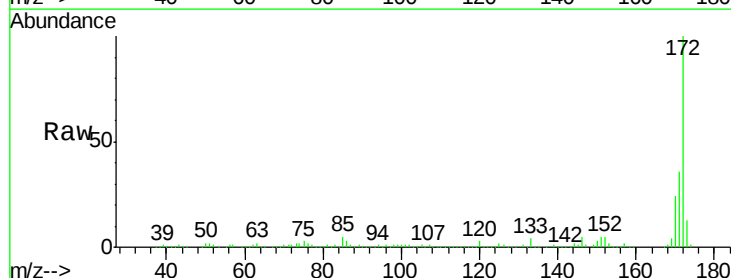


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

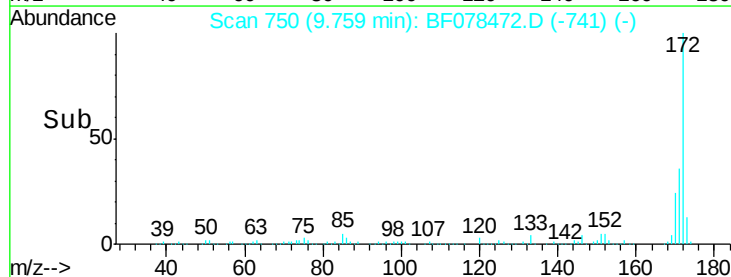
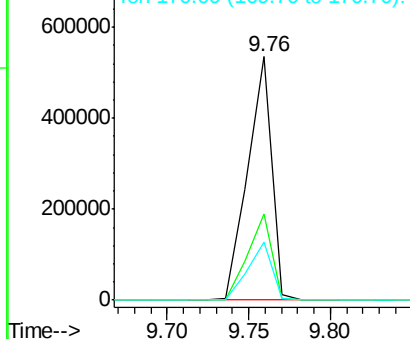


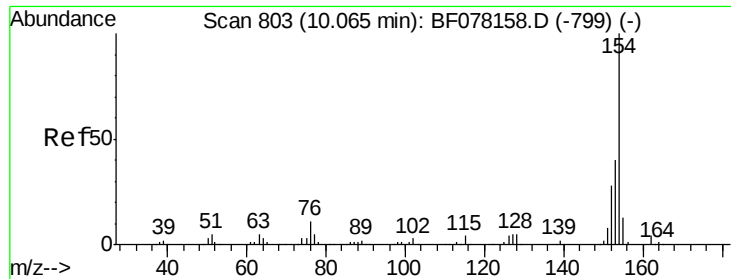
#44
 2-Fluorobiphenyl
 Concen: 91.24 ng
 RT: 9.76 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.7	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

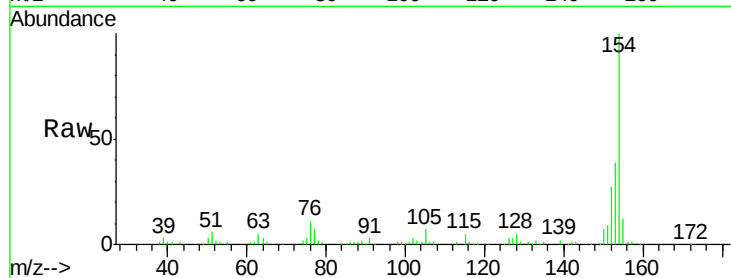




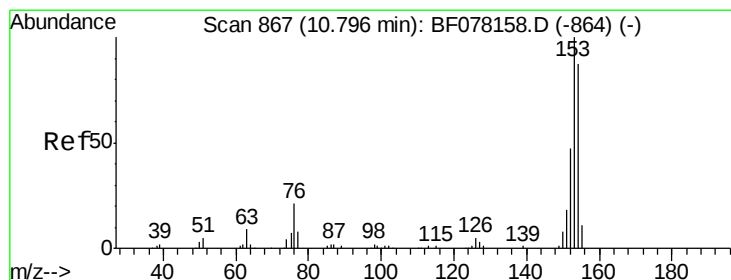
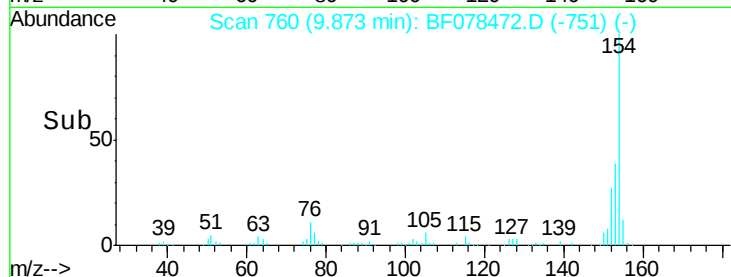
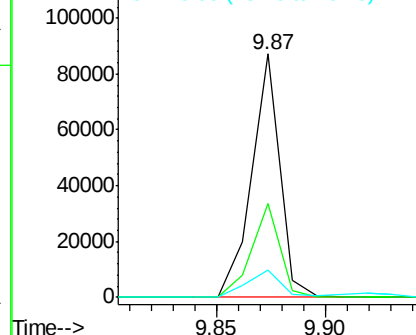
#45
 1,1'-Biphenyl
 Concen: 11.11 ng
 RT: 9.87 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)

Tgt Ion:154 Resp: 77842
 Ion Ratio Lower Upper
 154 100
 153 38.8 20.0 60.0
 76 11.0 0.0 30.6

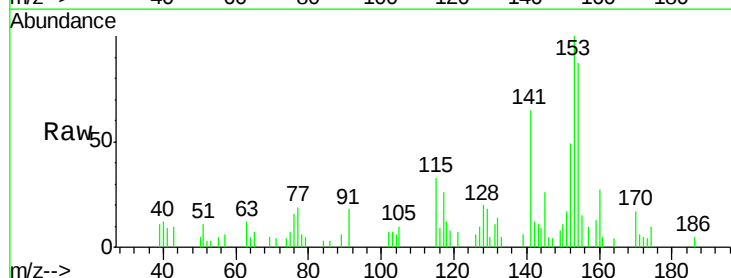


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

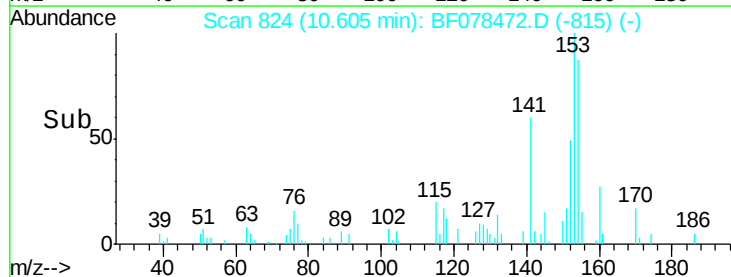
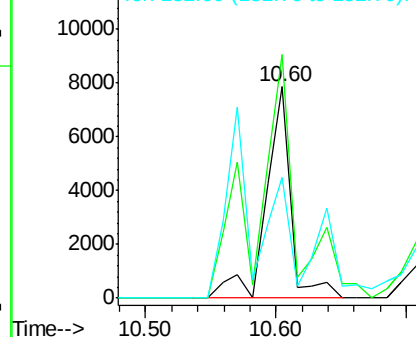


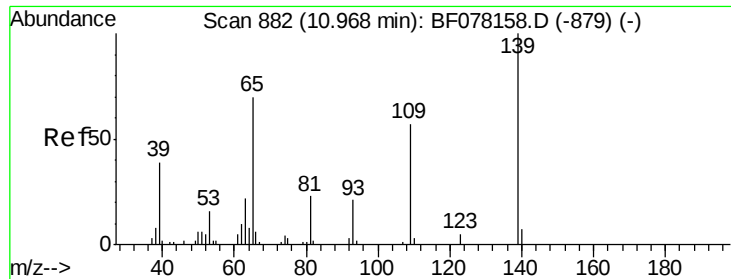
#51
 Acenaphthene
 Concen: 2.06 ng
 RT: 10.60 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

Tgt Ion:154 Resp: 10313
 Ion Ratio Lower Upper
 154 100
 153 115.3 91.4 137.2
 152 56.9 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

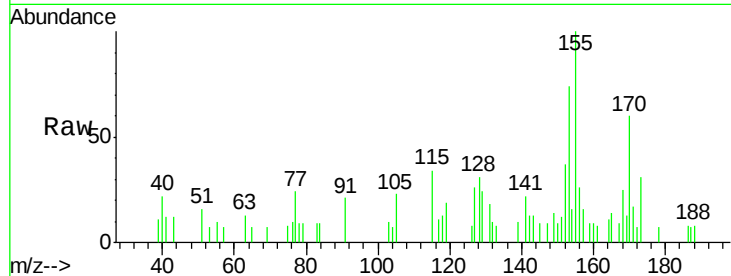




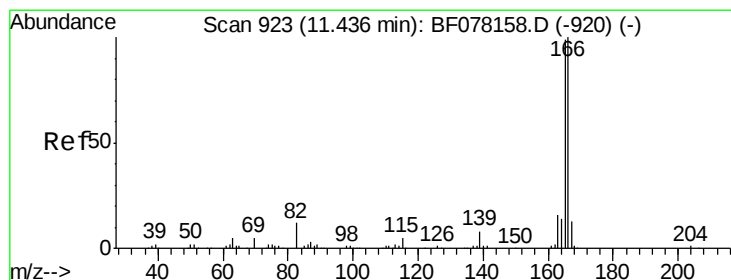
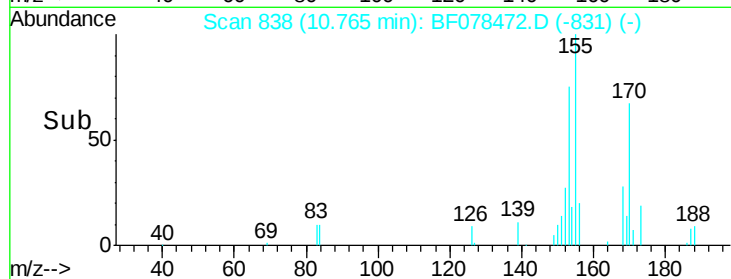
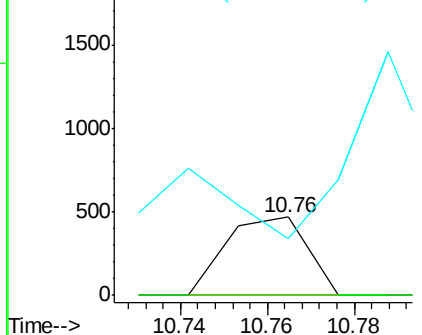
#55
4-Nitrophenol
Concen: 3.29 ng
RT: 10.76 min Scan# 838
Delta R.T. -0.02 min
Lab File: BF078472.D
Acq: 13 Apr 2015 20:58

Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)

Tgt Ion:139 Resp: 605
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 72.6 49.9 89.9

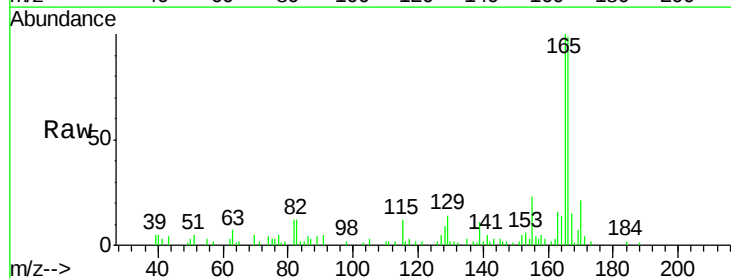


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

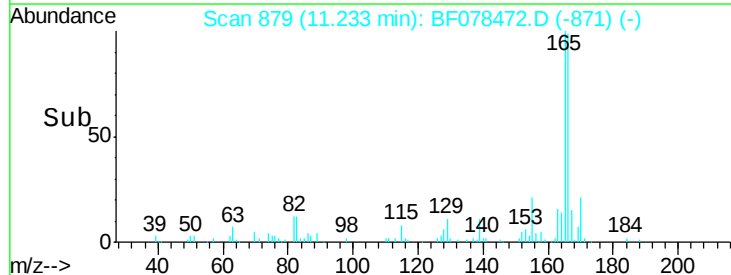
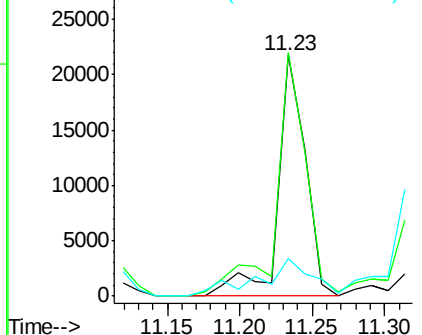


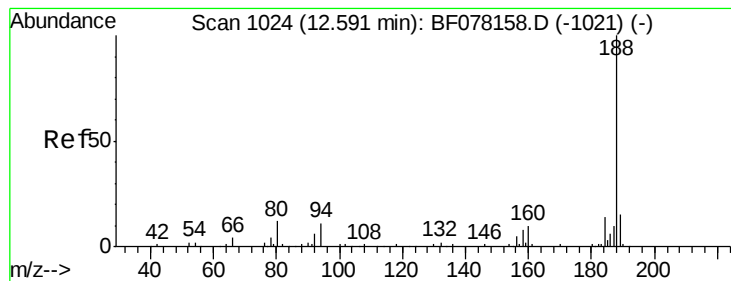
#57
Fluorene
Concen: 4.59 ng
RT: 11.23 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF078472.D
Acq: 13 Apr 2015 20:58

Tgt Ion:166 Resp: 28490
Ion Ratio Lower Upper
166 100
165 101.3 78.9 118.3
167 15.7 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: 12.39 min Scan# 980

Delta R.T. -0.00 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)

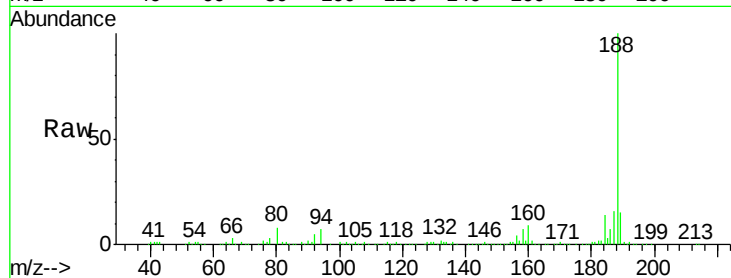
Tgt Ion:188 Resp: 170658

Ion Ratio Lower Upper

188 100

94 7.1 9.0 13.4#

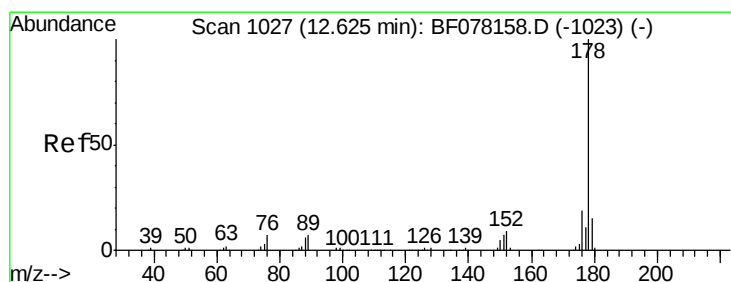
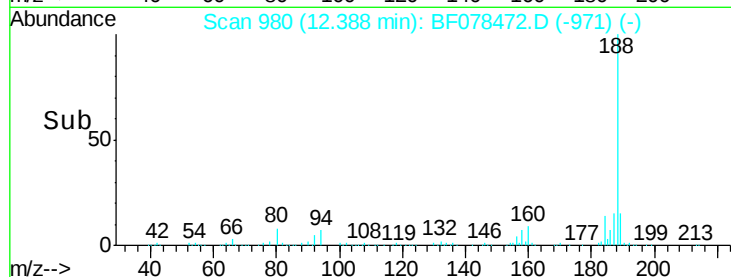
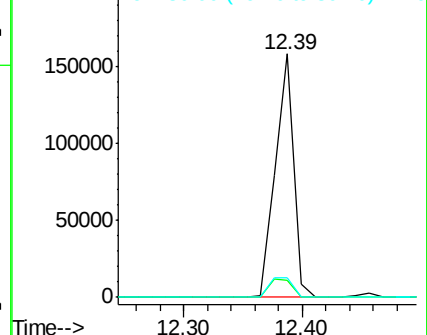
80 7.9 9.5 14.3#



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: 3.54 ng

RT: 12.41 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

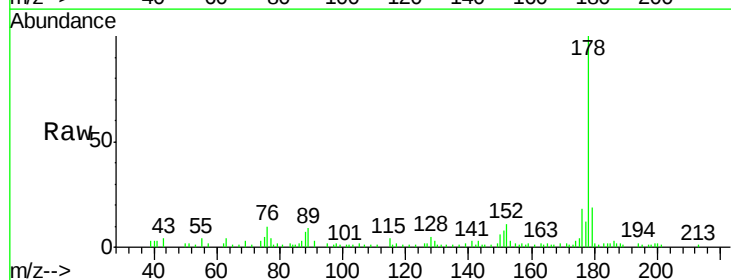
Tgt Ion:178 Resp: 34995

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.0

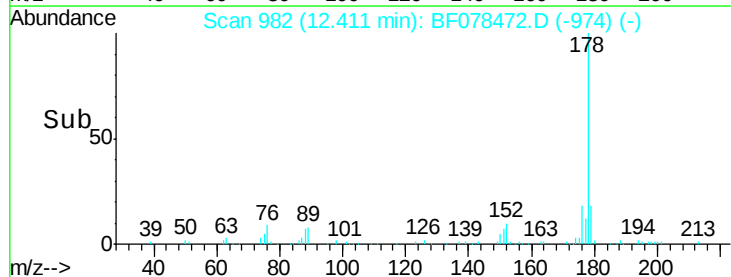
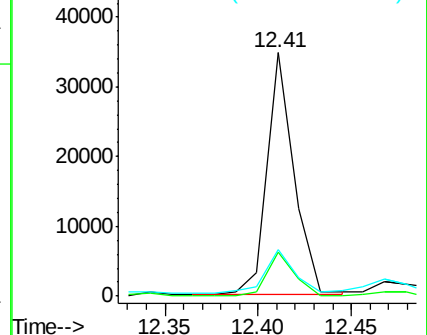
179 19.1 12.2 18.2#

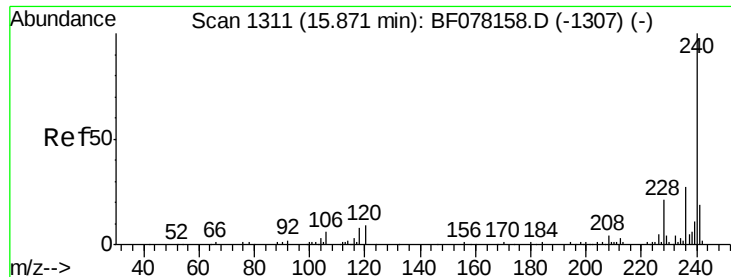


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.63 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)

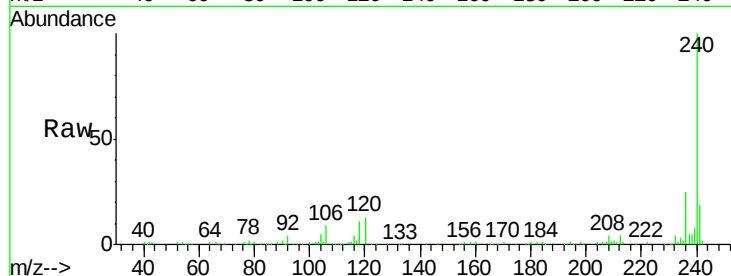
Tgt Ion:240 Resp: 181214

Ion Ratio Lower Upper

240 100

120 13.4 7.1 10.7#

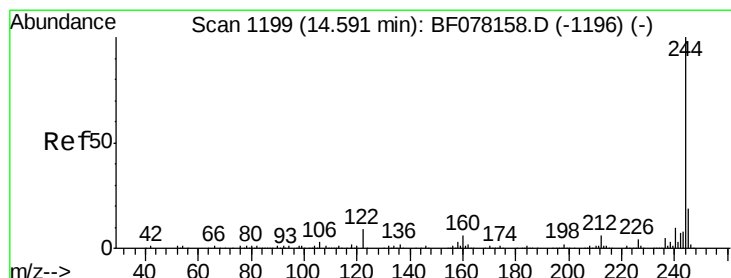
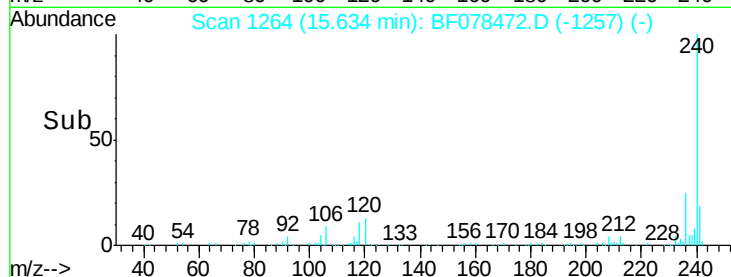
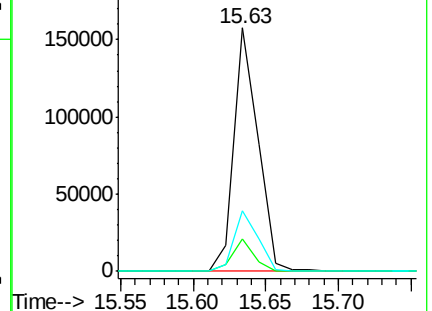
236 25.1 21.4 32.2



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



#78

Terphenyl-d14

Concen: 73.24 ng

RT: 14.38 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

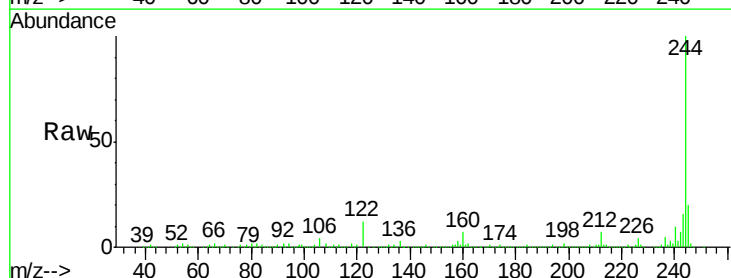
Tgt Ion:244 Resp: 587352

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

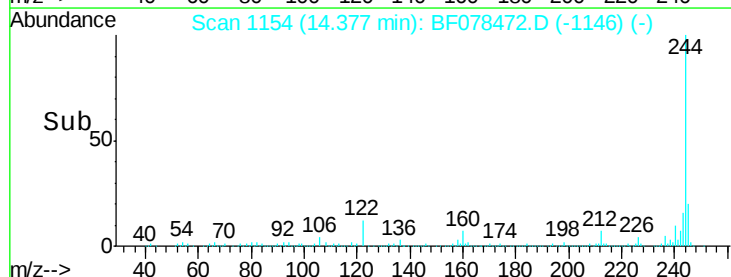
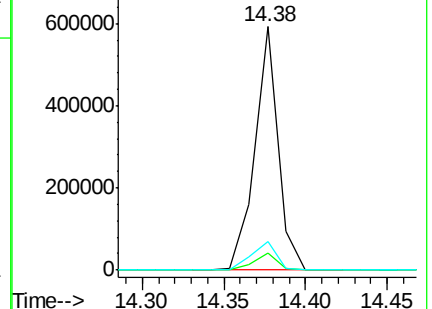
122 12.0 7.1 10.7#

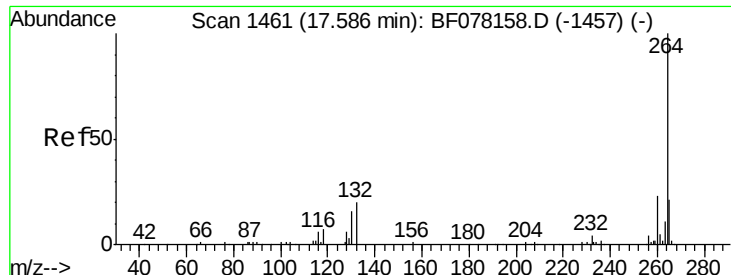


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 17.33 min Scan# 1412
Delta R.T. -0.07 min
Lab File: BF078472.D
Acq: 13 Apr 2015 20:58

Instrument :
BNA_F
ClientSampleId :
DEL-4S-2(7.0-7.5)

Tgt Ion: 264 Resp: 172889
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 20.9 17.0 25.6

