

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 02:00:29 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

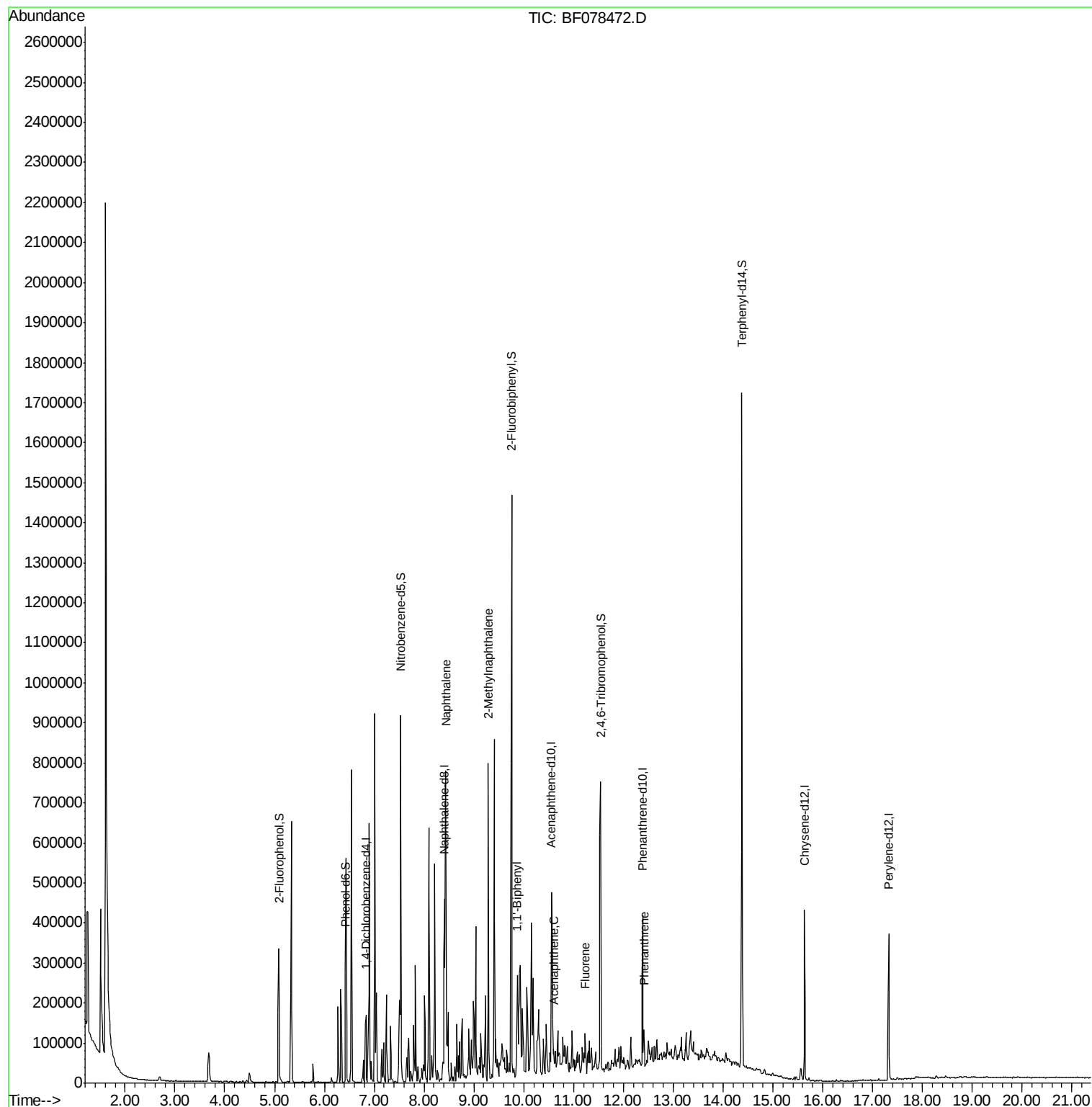
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	38318	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	161846	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	85652	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	170658	20.00	ng	0.00
75) Chrysene-d12	15.63	240	181214	20.00	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
31) Naphthalene	8.43	128	371552	44.11	ng	99
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
57) Fluorene	11.23	166	28490	4.59	ng	97
70) Phenanthrene	12.41	178	34995	3.54	ng	# 94

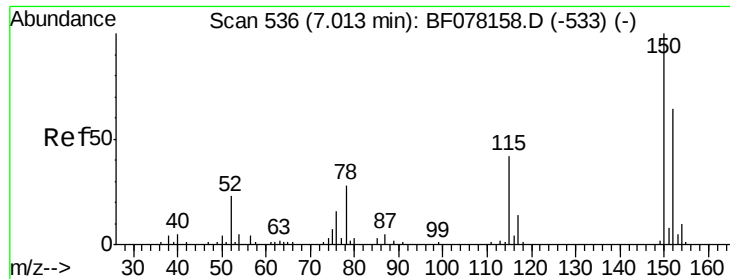
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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)

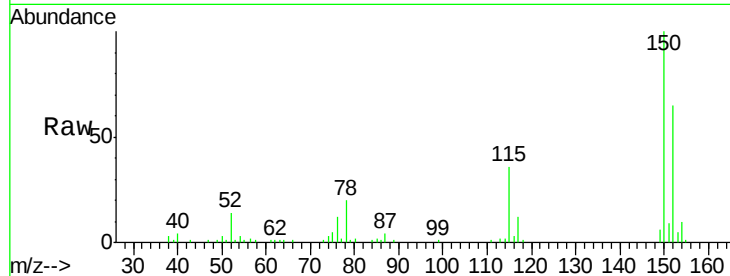
Tgt Ion:152 Resp: 38318

Ion Ratio Lower Upper

152 100

150 154.2 125.9 188.9

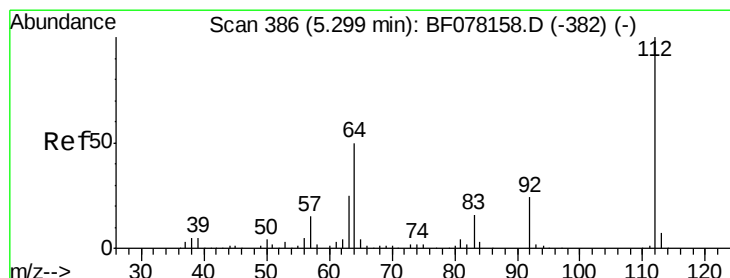
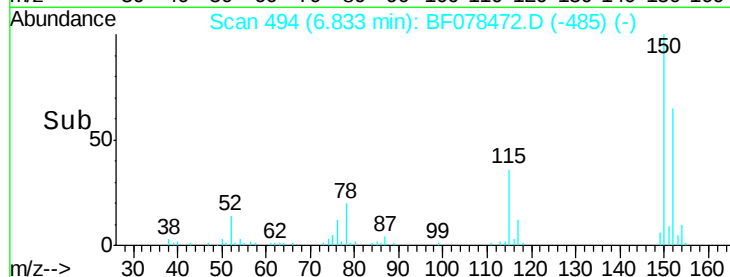
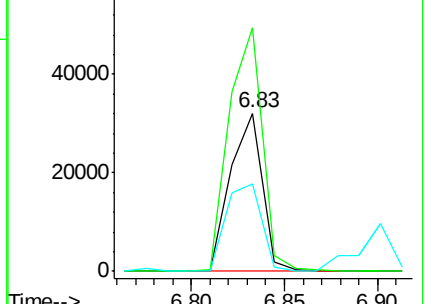
115 55.3 52.7 79.1



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



#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

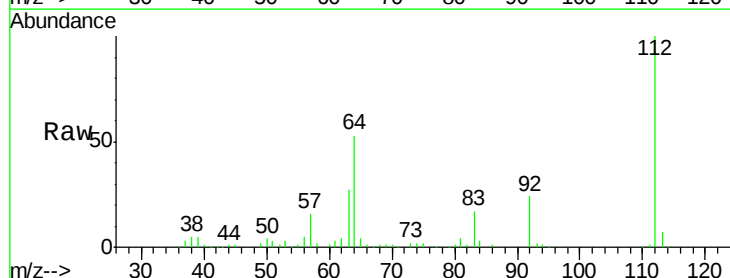
Tgt Ion:112 Resp: 132003

Ion Ratio Lower Upper

112 100

64 52.9 39.9 59.9

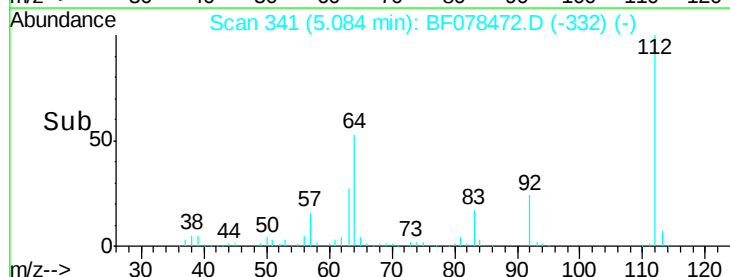
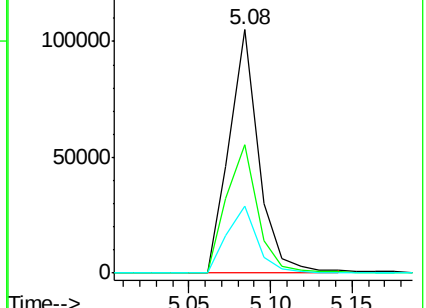
63 27.4 20.2 30.4

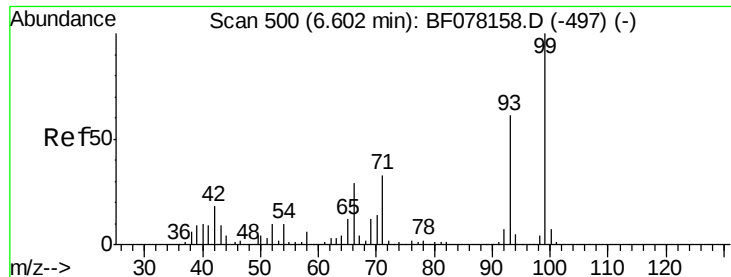


Abundance Ion 112.00 (111.70 to 112.70): E

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

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)

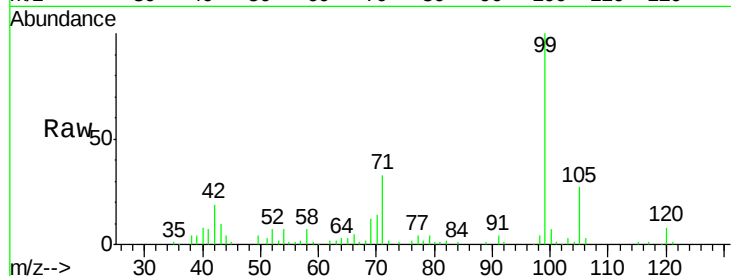
Tgt Ion: 99 Resp: 99770

Ion Ratio Lower Upper

99 100

42 19.1 14.8 22.2

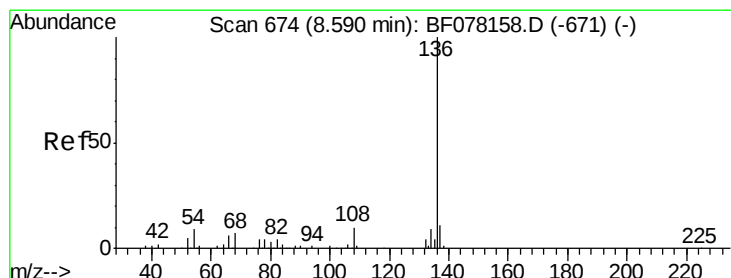
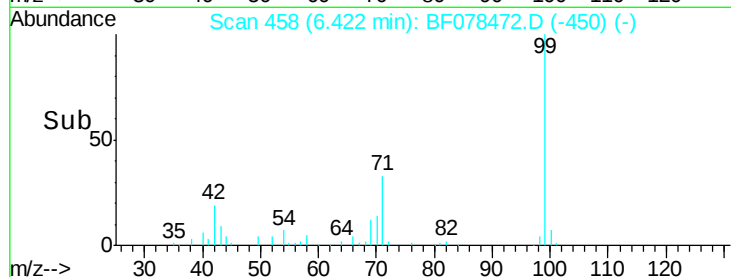
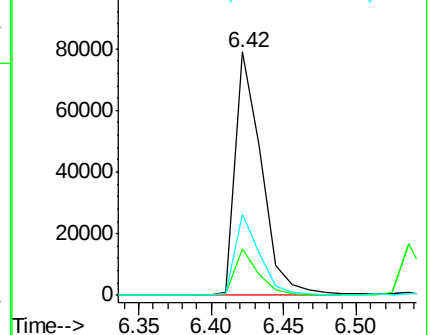
71 33.2 26.6 39.8



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



#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

Tgt Ion: 136 Resp: 161846

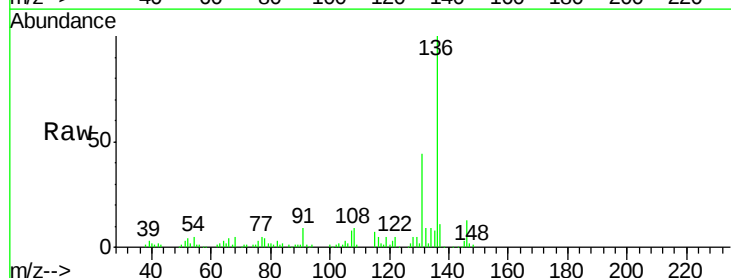
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 5.4 7.0 10.6#

68 4.8 5.4 8.2#

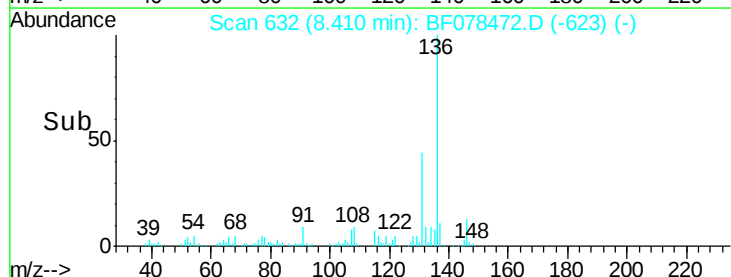
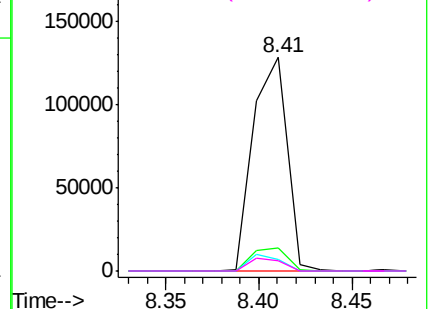


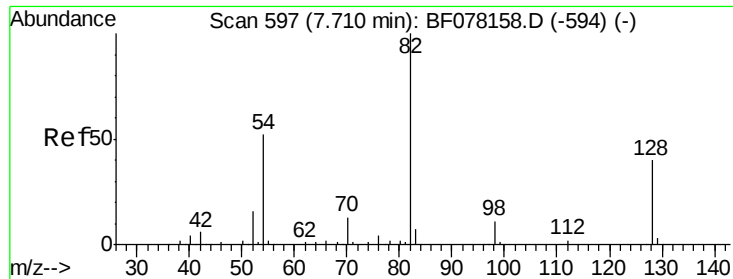
Abundance Ion 136.00 (135.70 to 136.70): E

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

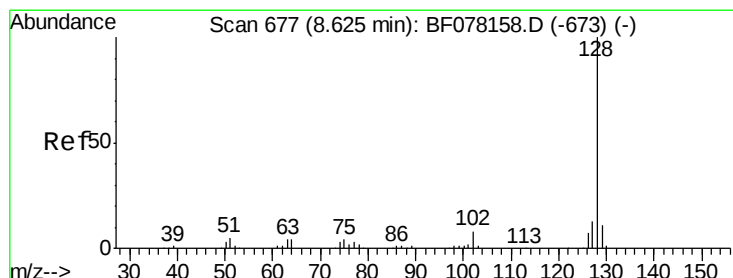
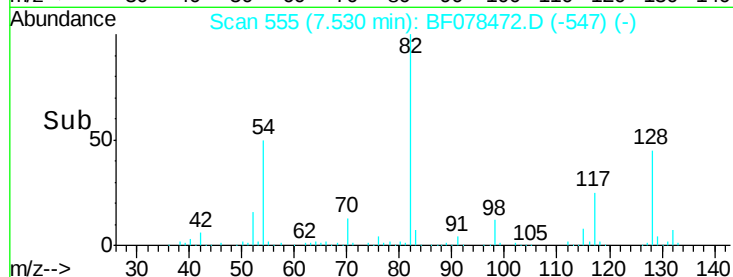
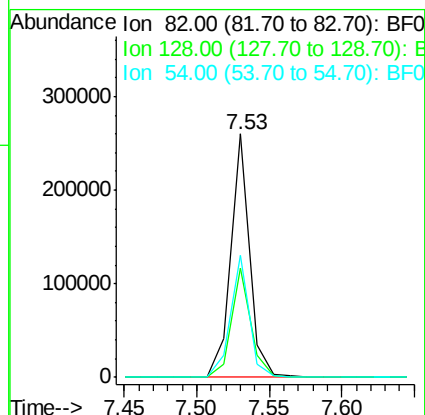
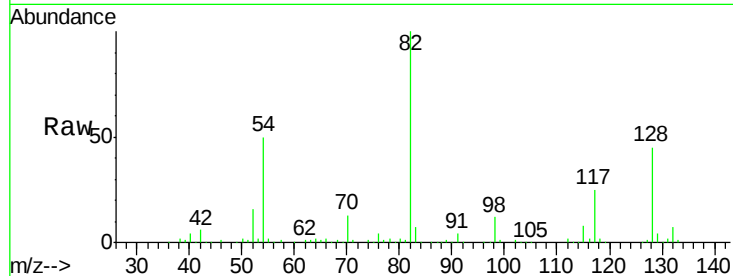




#23
 Nitrobenzene-d5
 Concen: 88.14 ng
 RT: 7.53 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

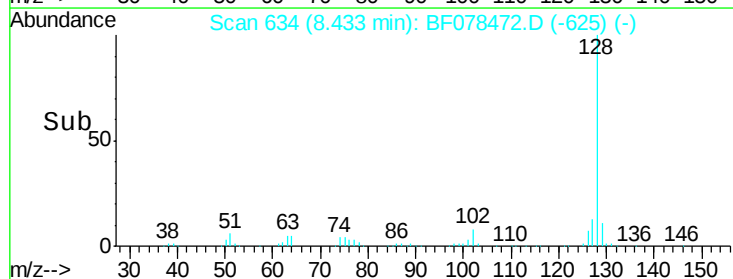
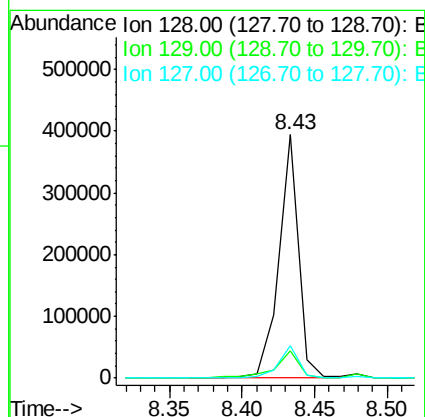
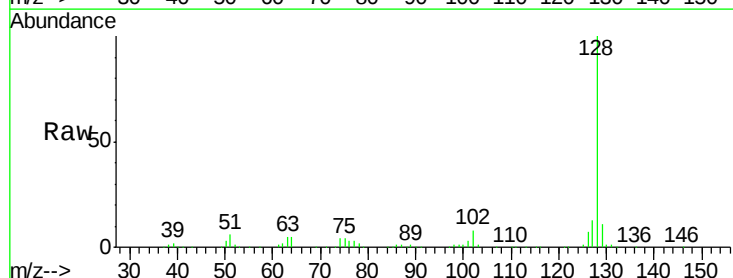
Instrument :
 BNA_F
 ClientSampleId :
 DEL-4S-2(7.0-7.5)

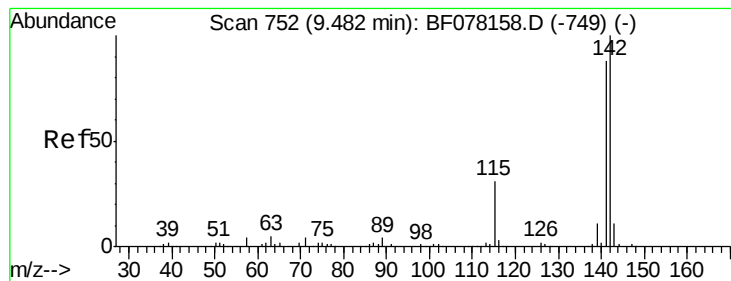
Tgt Ion: 82 Resp: 235356
 Ion Ratio Lower Upper
 82 100
 128 44.6 31.8 47.8
 54 49.9 41.5 62.3



#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

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





#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)

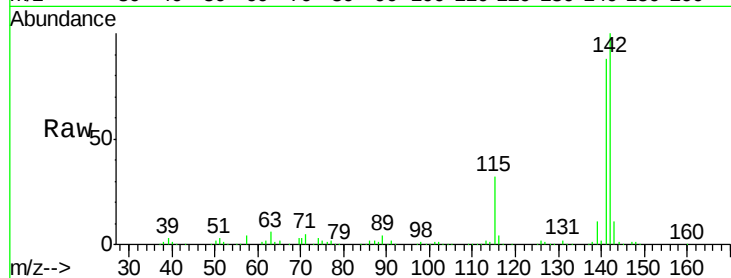
Tgt Ion:142 Resp: 211008

Ion Ratio Lower Upper

142 100

141 88.0 70.3 105.5

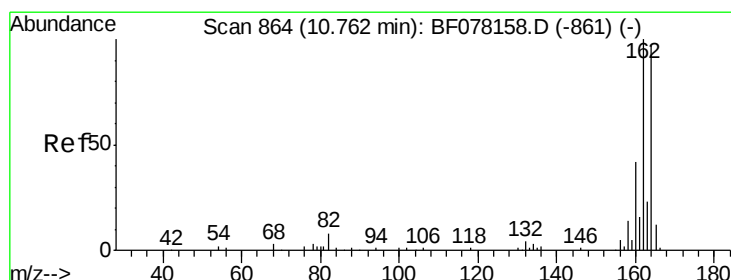
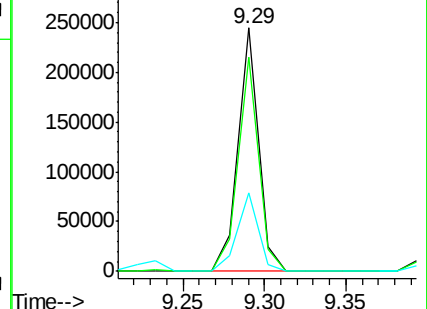
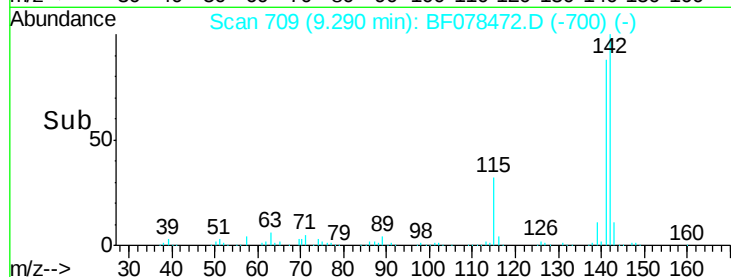
115 32.4 24.6 37.0



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: 10.56 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF078472.D

Acq: 13 Apr 2015 20:58

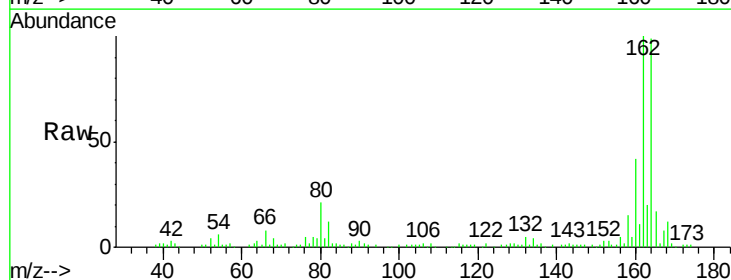
Tgt Ion:164 Resp: 85652

Ion Ratio Lower Upper

164 100

162 101.0 82.2 123.2

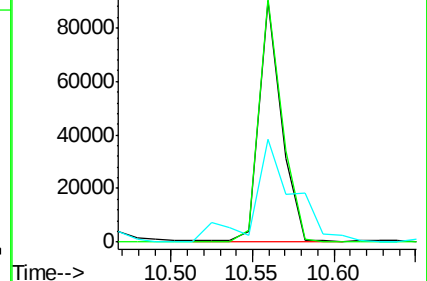
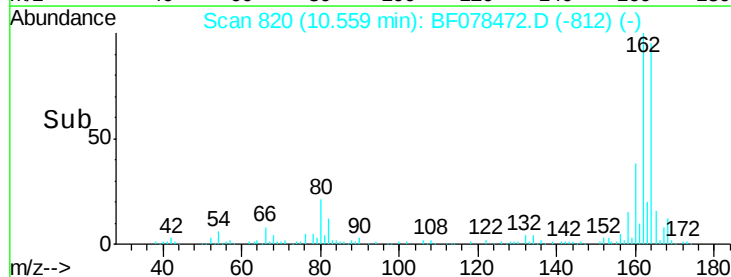
160 42.7 34.7 52.1

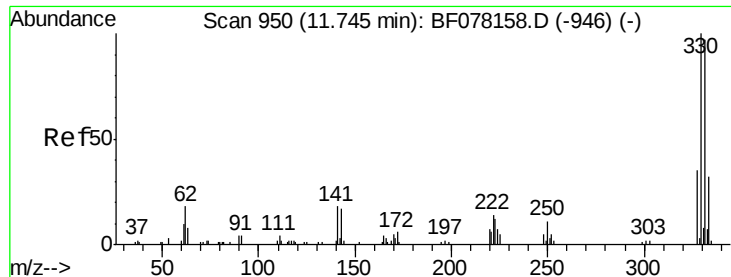


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

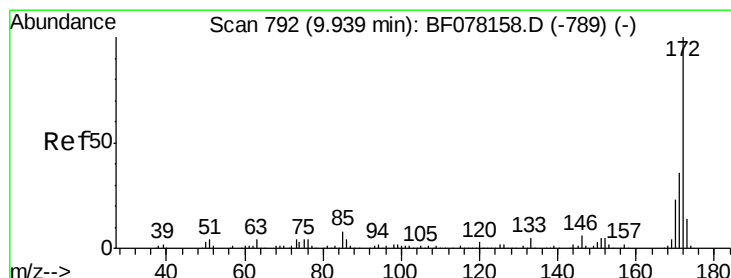
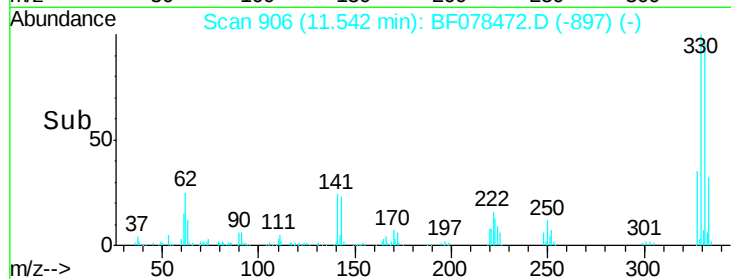
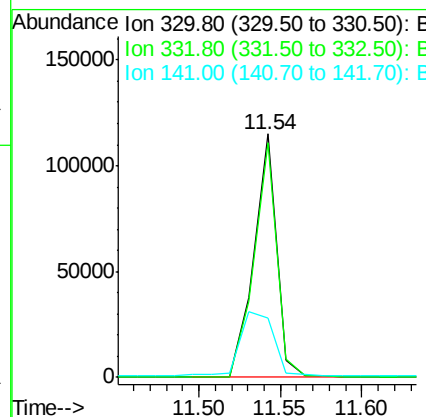
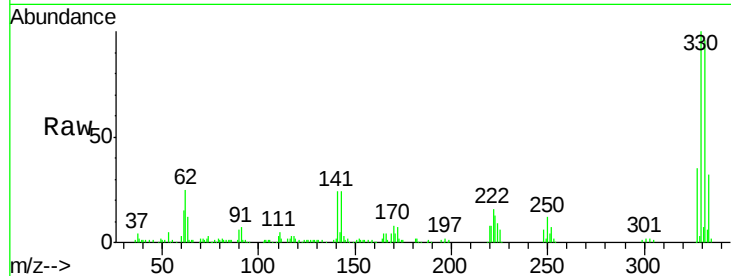




#41
 2,4,6-Tribromophenol
 Concen: 157.63 ng
 RT: 11.54 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

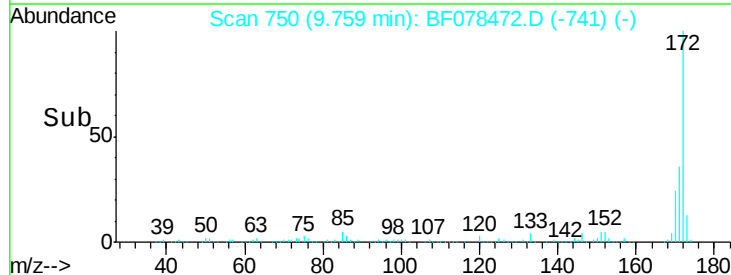
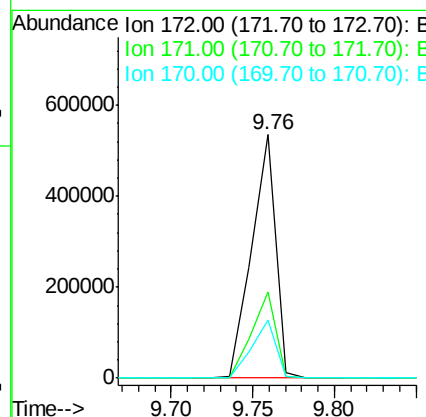
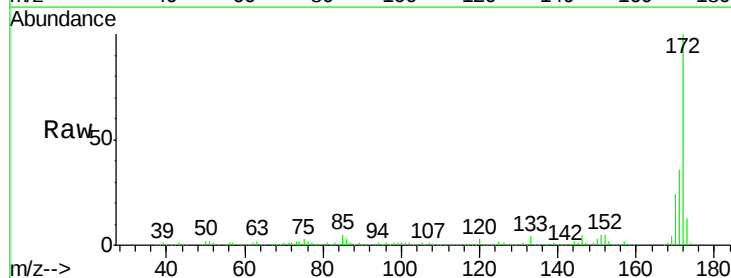
Instrument :
 BNA_F
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 DEL-4S-2(7.0-7.5)

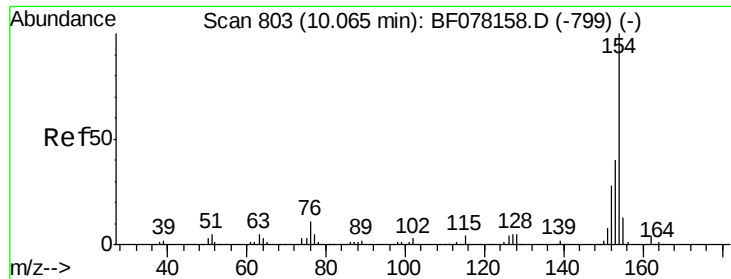
Tgt Ion:330 Resp: 111977
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.6 117.8
 141 38.4 31.2 46.8



#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:172 Resp: 546689
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.7 18.5 27.7

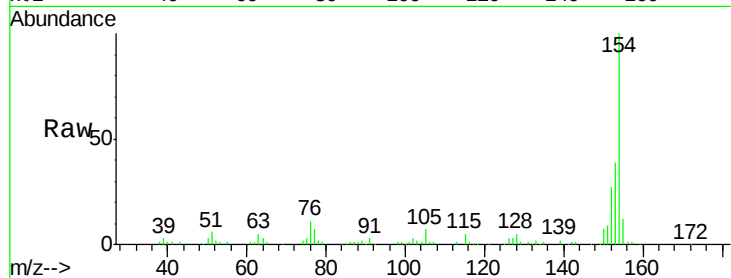




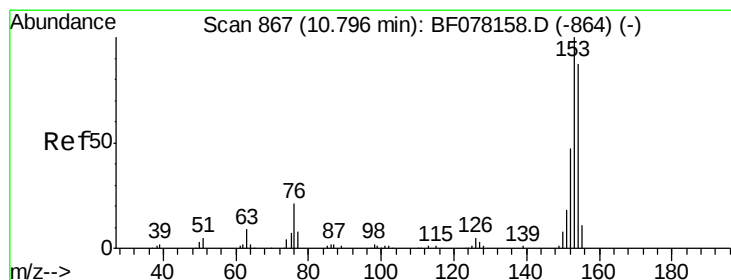
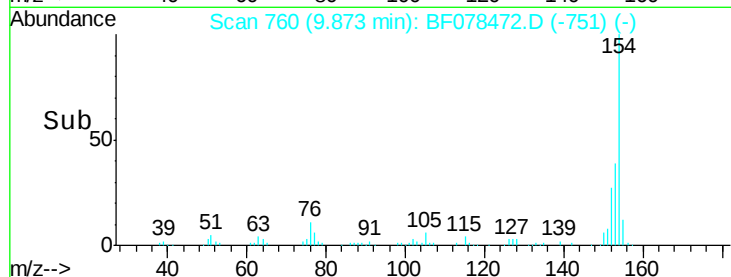
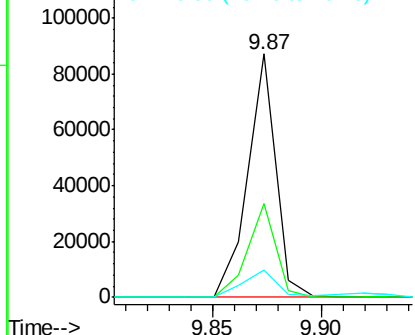
#45
 1,1'-Biphenyl
 Concen: 11.11 ng
 RT: 9.87 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

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

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

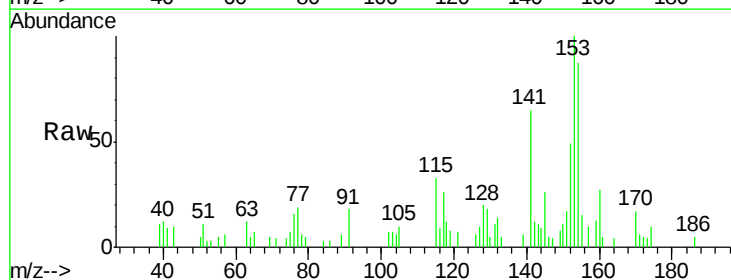


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

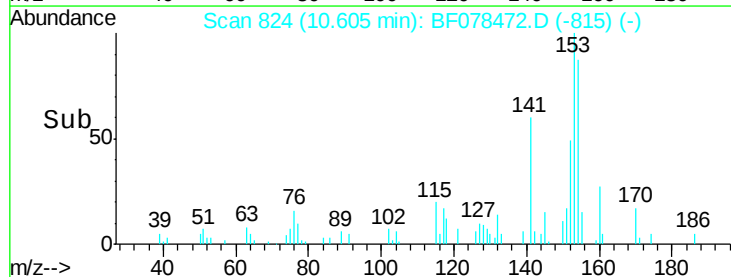
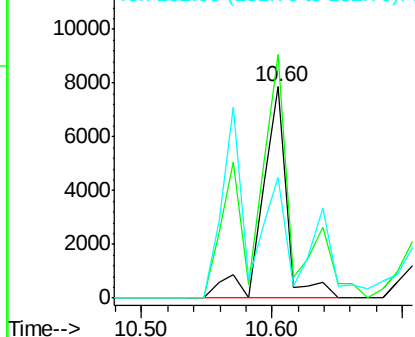


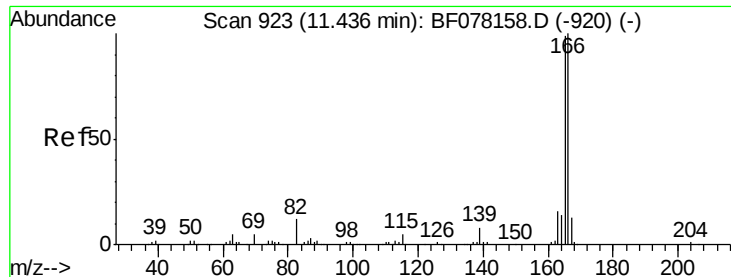
#51
 Acenaphthene
 Concen: 2.06 ng
 RT: 10.60 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

Tgt Ion	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

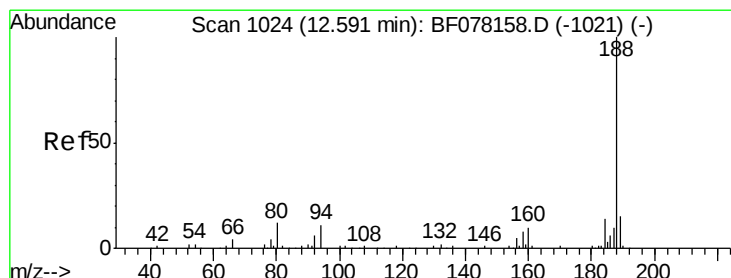
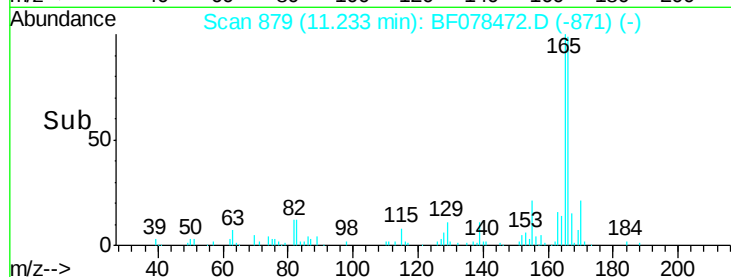
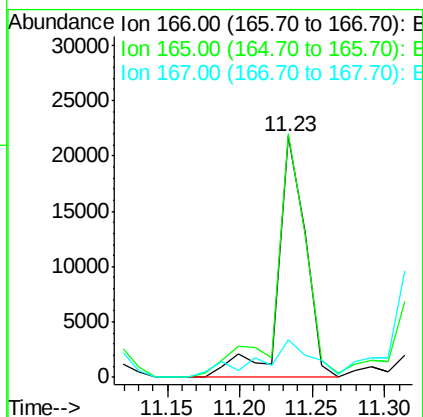
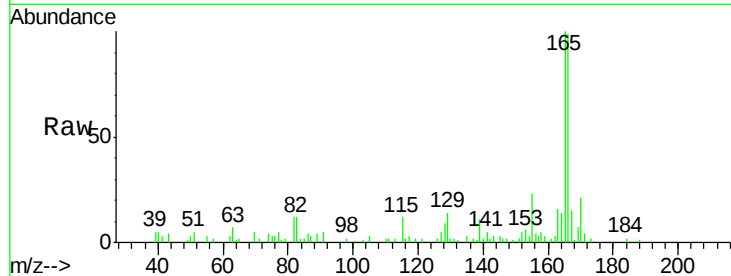




#57
 Fluorene
 Concen: 4.59 ng
 RT: 11.23 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

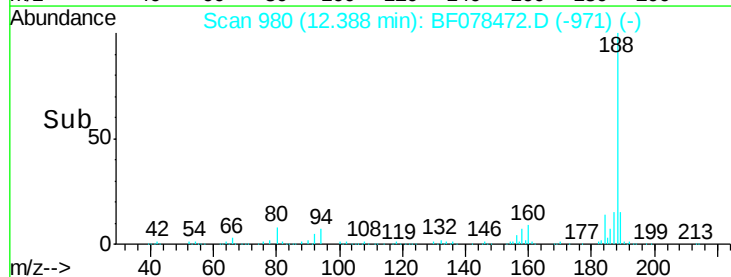
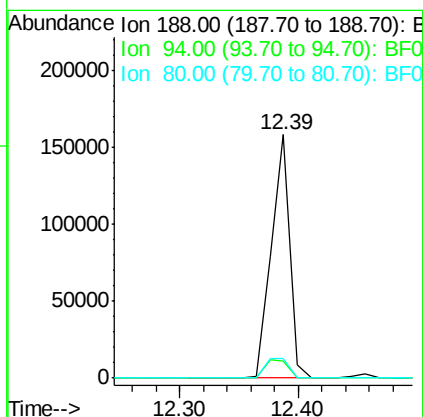
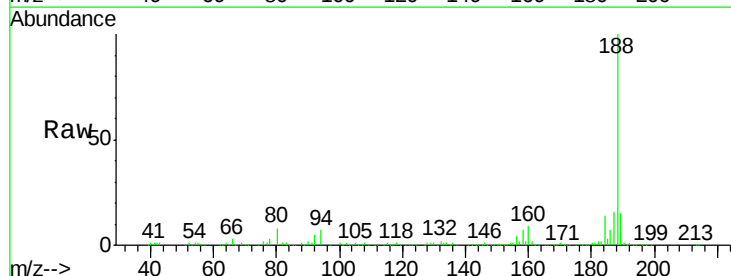
Instrument :
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 DEL-4S-2(7.0-7.5)

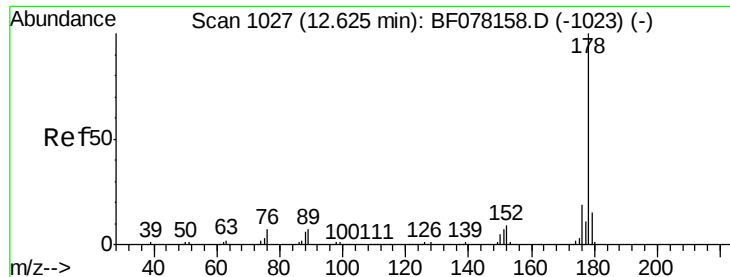
Tgt Ion:166 Resp: 28490
 Ion Ratio Lower Upper
 166 100
 165 101.3 78.9 118.3
 167 15.7 10.7 16.1



#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

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#

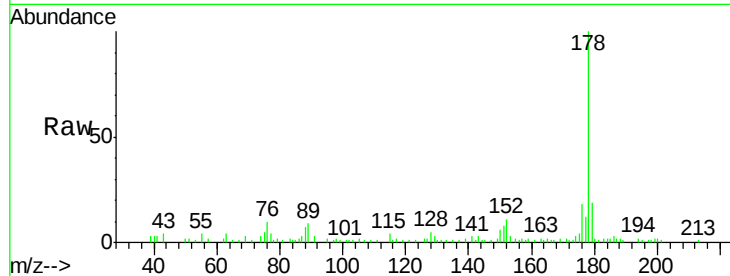




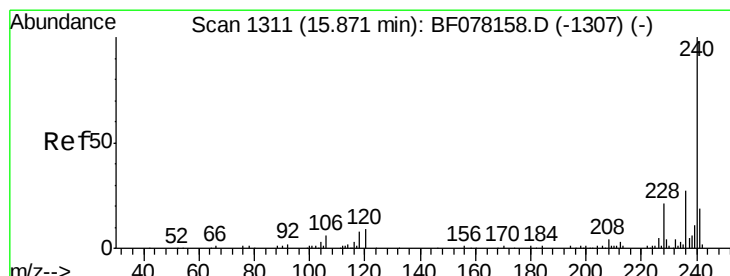
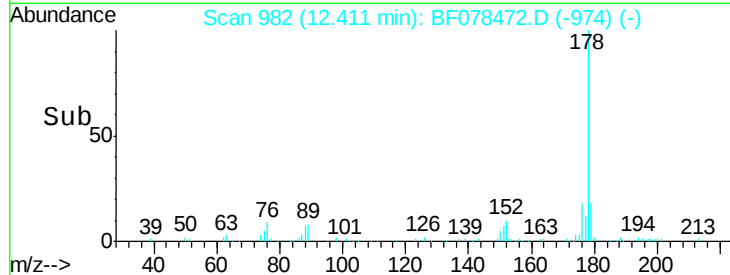
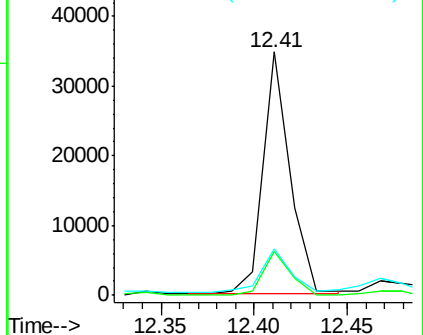
#70
 Phenanthrene
 Concen: 3.54 ng
 RT: 12.41 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

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

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#

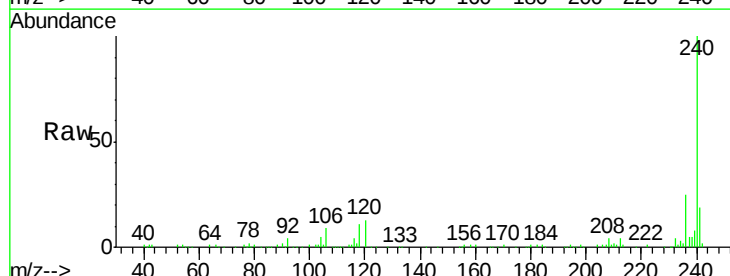


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

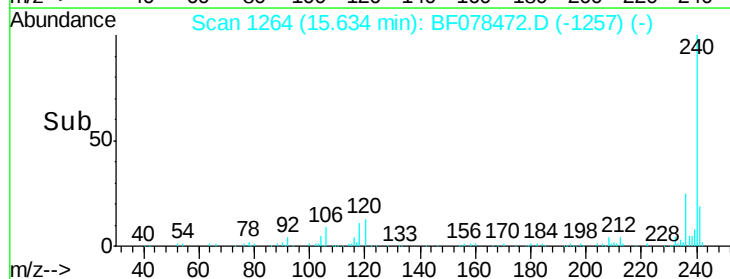
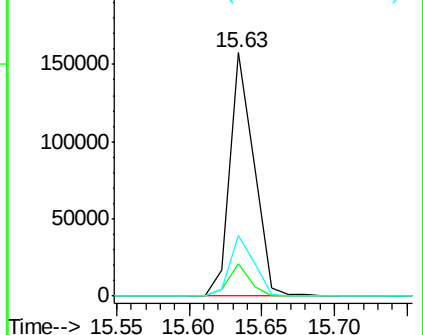


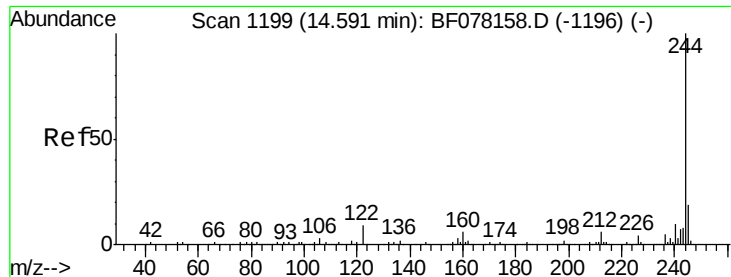
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.63 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BF078472.D
 Acq: 13 Apr 2015 20:58

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

Instrument :

BNA_F

ClientSampleId :

DEL-4S-2(7.0-7.5)

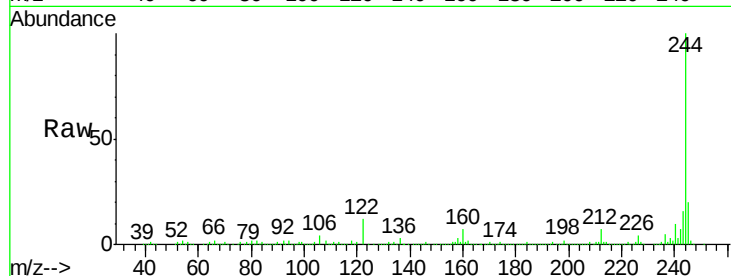
Tgt Ion:244 Resp: 587352

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

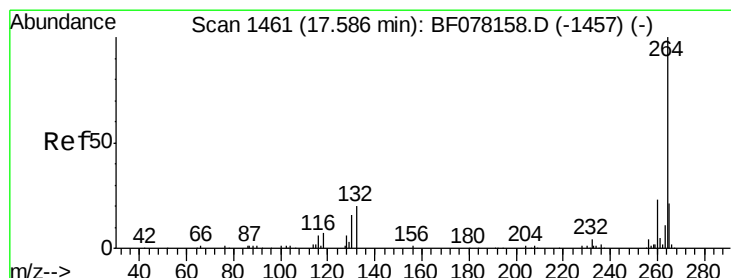
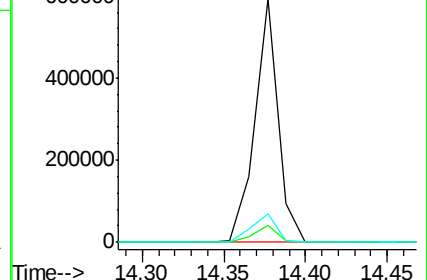
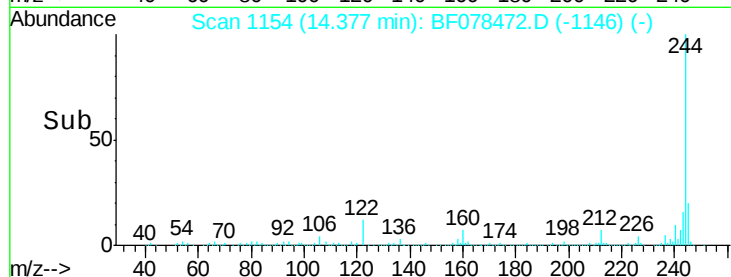
122 12.0 7.1 10.7#



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

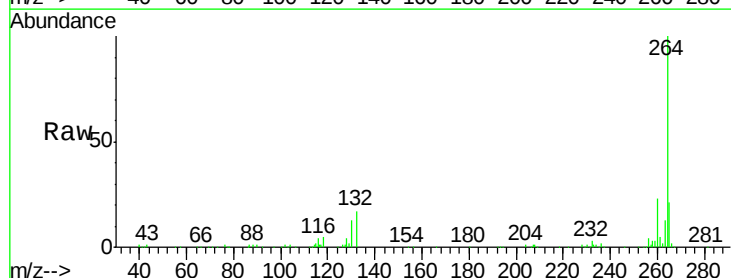
Tgt Ion:264 Resp: 172889

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 20.9 17.0 25.6



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

