

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
 Data File : BF076837.D
 Acq On : 13 Jan 2015 9:20
 Operator : IZ / TP
 Sample : F5246-01DL 5X
 Misc : S
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1DL

Quant Time: Jan 13 12:03:08 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 10 06:22:22 2015
 Response via : Initial Calibration

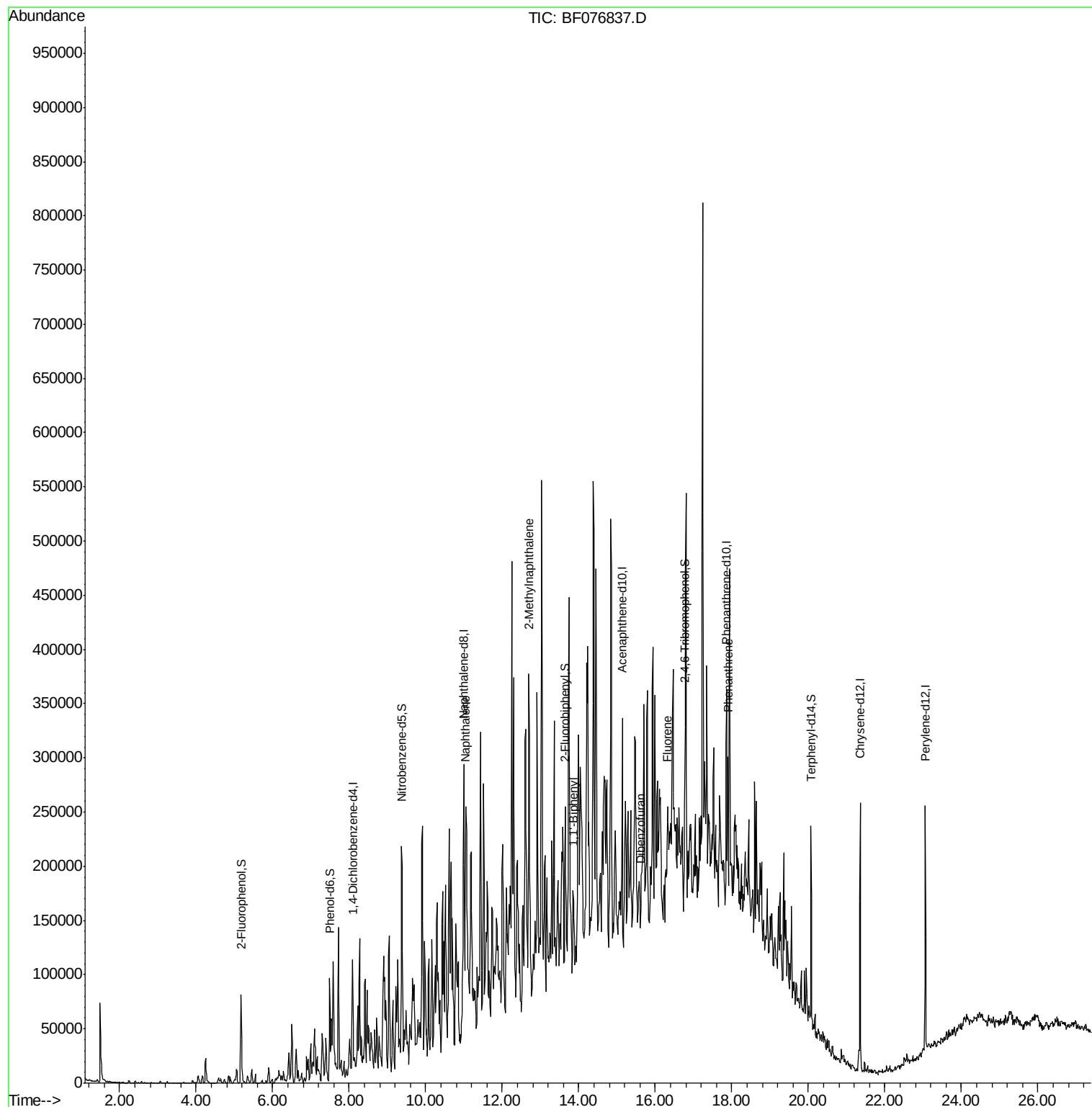
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	29244	20.00	ng	0.01
21) Naphthalene-d8	11.00	136	121835	20.00	ng	0.00
38) Acenaphthene-d10	15.13	164	62749	20.00	ng	0.00
63) Phenanthrene-d10	17.87	188	95165	20.00	ng	0.01
75) Chrysene-d12	21.35	240	105492	20.00	ng	0.00
86) Perylene-d12	23.05	264	101243	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	45131	25.38	ng	0.00
7) Phenol-d6	7.49	99	55489	24.77	ng	-0.01
23) Nitrobenzene-d5	9.37	82	33703	15.05	ng	-0.01
41) 2,4,6-Tribromophenol	16.78	330	11526	21.44	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	66746	15.48	ng	0.00
78) Terphenyl-d14	20.07	244	63432	12.95	ng	0.00
Target Compounds						
31) Naphthalene	11.04	128	68891	10.95	ng	Qvalue # 89
37) 2-Methylnaphthalene	12.70	142	114240	25.79	ng	96
45) 1,1'-Biphenyl	13.85	154	35417	7.22	ng	99
54) Dibenzofuran	15.63	168	12203	2.23	ng	97
57) Fluorene	16.32	166	29636	6.41	ng	# 76
70) Phenanthrene	17.90	178	62208	10.43	ng	95

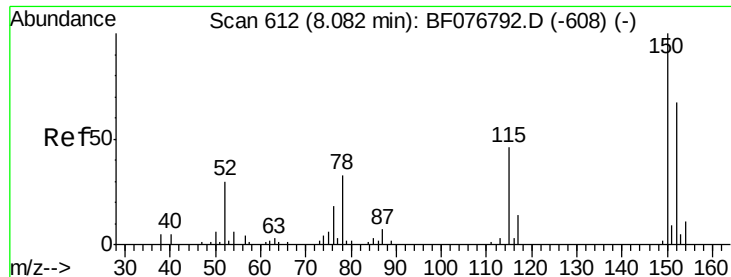
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M
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QLast Update : Sat Jan 10 06:22:22 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 613

Delta R.T. 0.01 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

Instrument :

BNA_F

ClientSampleId :

S-1DL

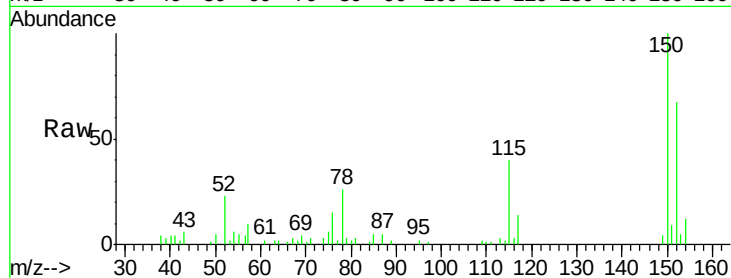
Tot Ion:152 Resp: 29244

Ion Ratio Lower Upper

152 100

150 149.3 119.5 179.3

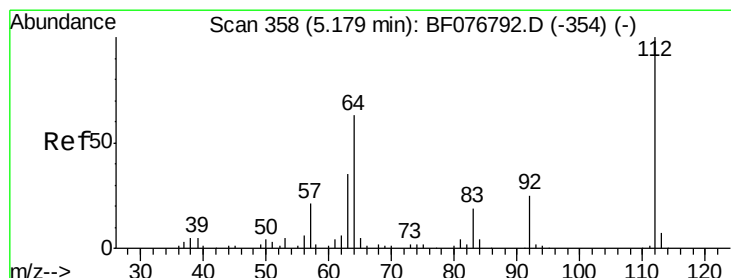
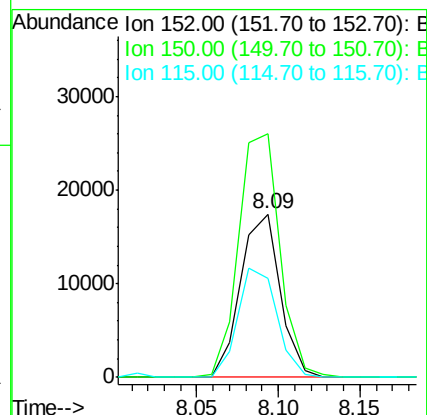
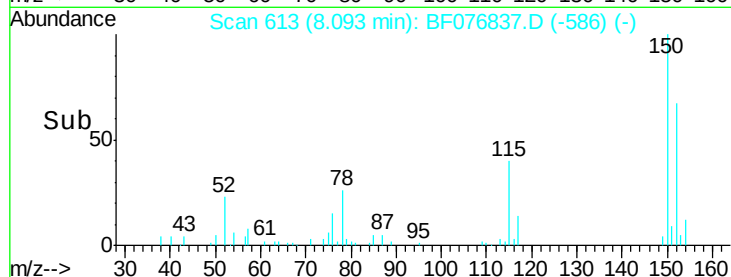
115 60.4 54.6 81.8



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: 25.38 ng

RT: 5.18 min Scan# 358

Delta R.T. 0.00 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

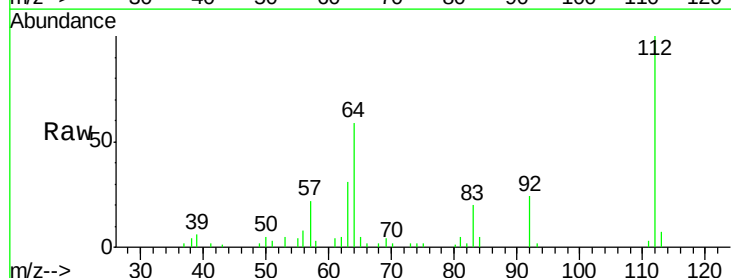
Tgt Ion:112 Resp: 45131

Ion Ratio Lower Upper

112 100

64 58.6 50.2 75.4

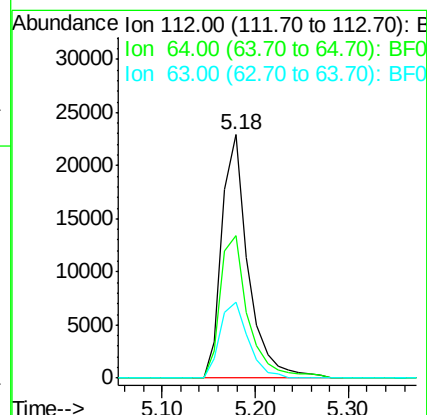
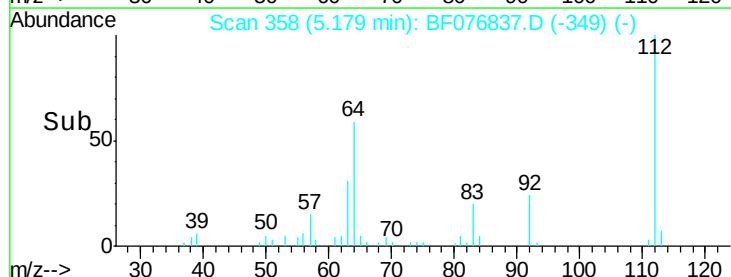
63 31.2 27.8 41.6

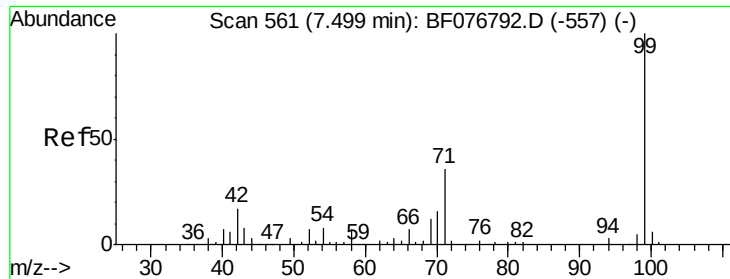


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.77 ng

RT: 7.49 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

Instrument :

BNA_F

ClientSampleId :

S-1DL

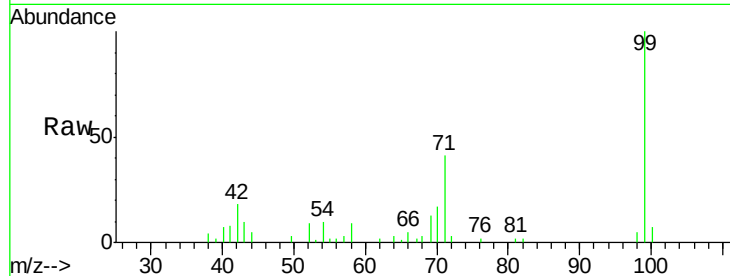
Tot Ion: 99 Resp: 55489

Ion Ratio Lower Upper

99 100

42 18.1 13.3 19.9

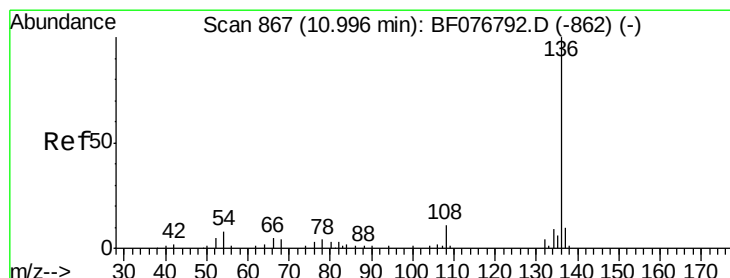
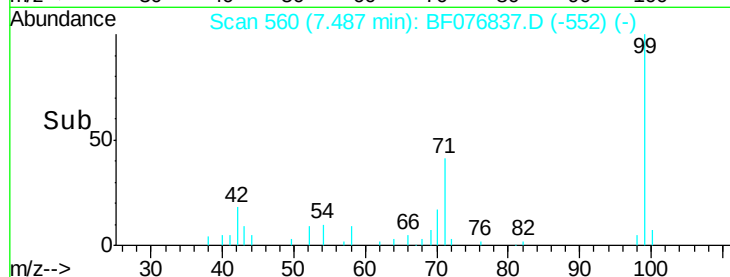
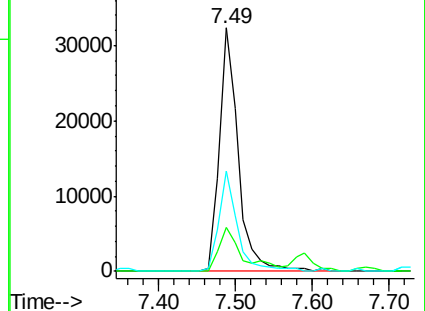
71 40.9 29.2 43.8



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: 11.00 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

Tgt Ion: 136 Resp: 121835

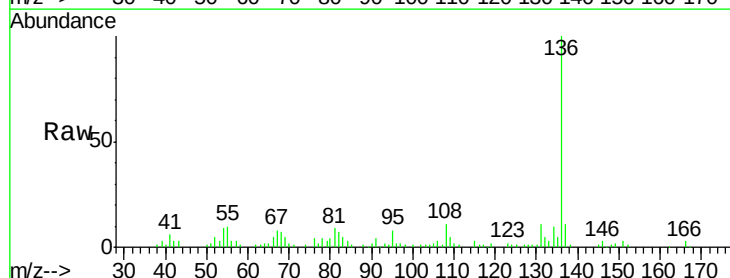
Ion Ratio Lower Upper

136 100

137 11.2 8.1 12.1

54 9.1 6.3 9.5

68 6.9 3.4 5.0#

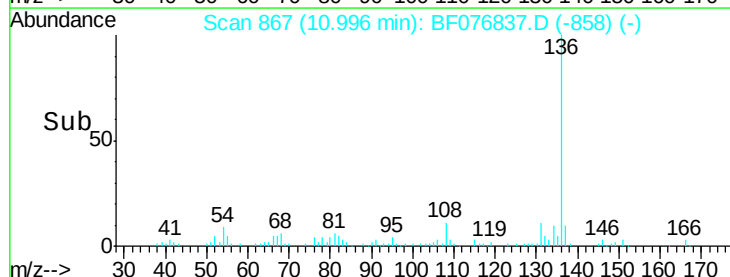
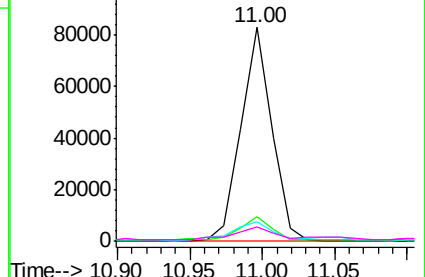


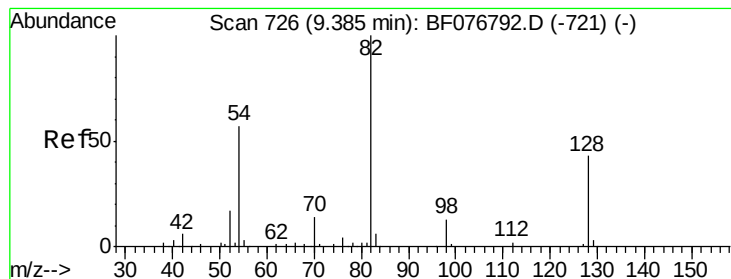
Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.05 ng

RT: 9.37 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

Instrument :

BNA_F

ClientSampled :

S-1DL

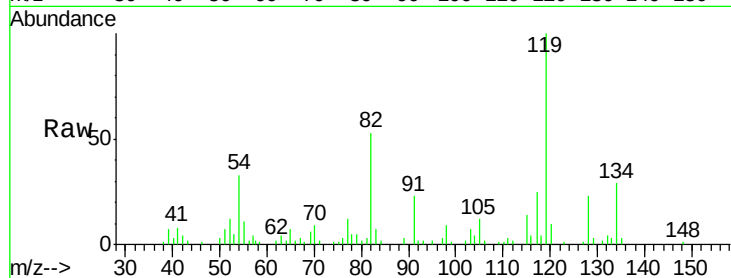
Tot Ion: 82 Resp: 33703

Ion Ratio Lower Upper

82 100

128 44.1 34.0 51.0

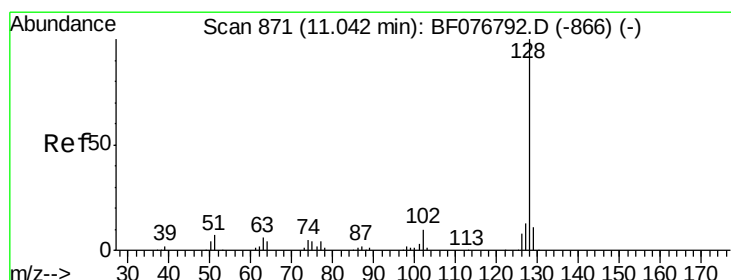
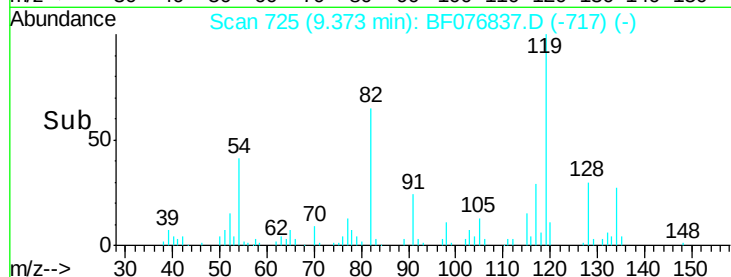
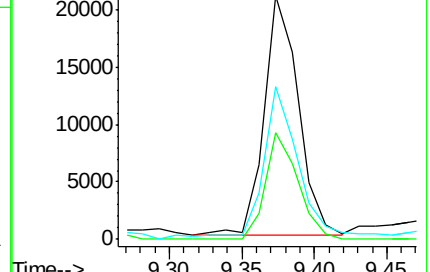
54 62.6 45.6 68.4



Abundance Ion 82.00 (81.70 to 82.70): BF076792.D (-721) (-)

Ion 128.00 (127.70 to 128.70): BF076792.D (-721) (-)

Ion 54.00 (53.70 to 54.70): BF076792.D (-721) (-)



#31

Naphthalene

Concen: 10.95 ng

RT: 11.04 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

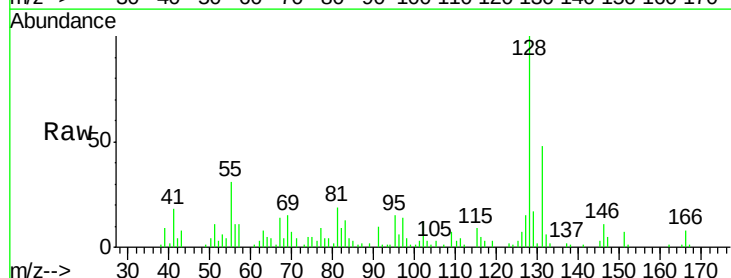
Tgt Ion: 128 Resp: 68891

Ion Ratio Lower Upper

128 100

129 17.0 8.6 13.0#

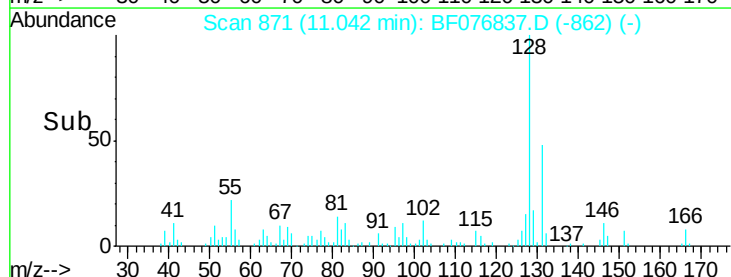
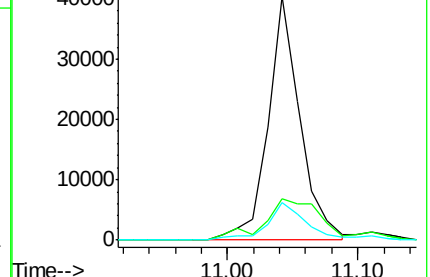
127 15.4 10.1 15.1#

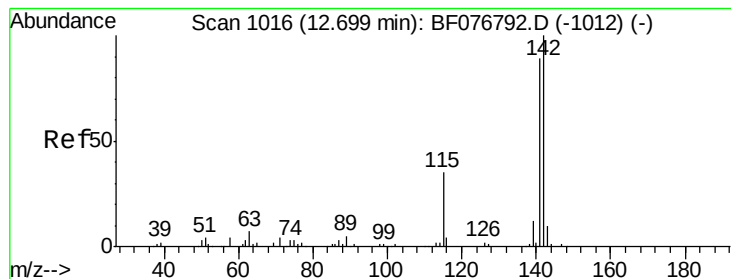


Abundance Ion 128.00 (127.70 to 128.70): BF076792.D (-866) (-)

Ion 129.00 (128.70 to 129.70): BF076792.D (-866) (-)

Ion 127.00 (126.70 to 127.70): BF076792.D (-866) (-)





#37

2-Methylnaphthalene

Concen: 25.79 ng

RT: 12.70 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

Instrument :

BNA_F

ClientSampled :

S-1DL

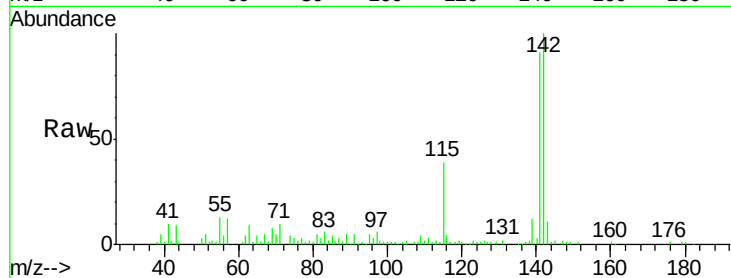
Tot Ion:142 Resp: 114240

Ion Ratio Lower Upper

142 100

141 91.4 71.0 106.4

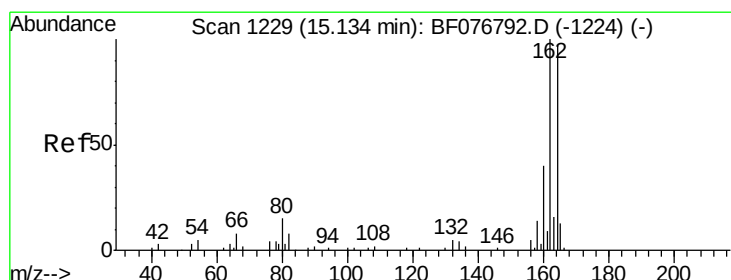
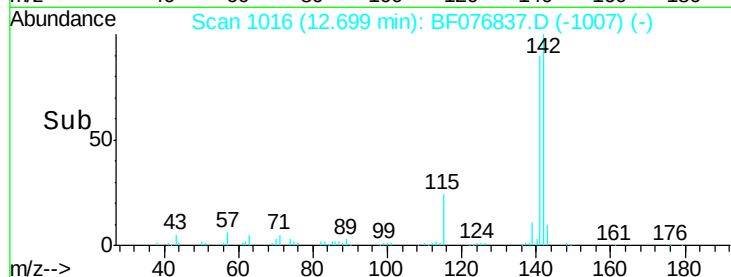
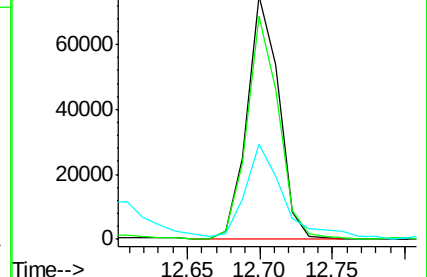
115 38.9 28.2 42.2



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: 15.13 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

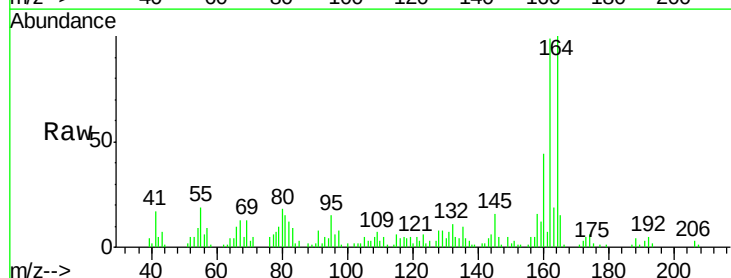
Tgt Ion:164 Resp: 62749

Ion Ratio Lower Upper

164 100

162 99.2 82.5 123.7

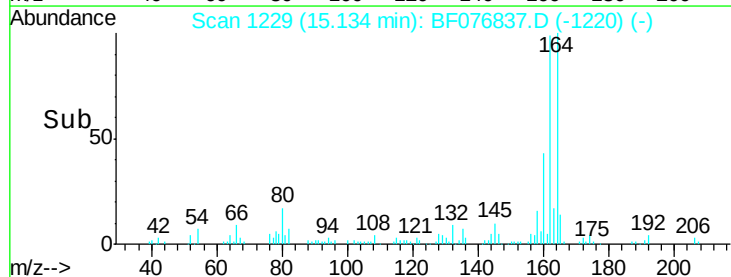
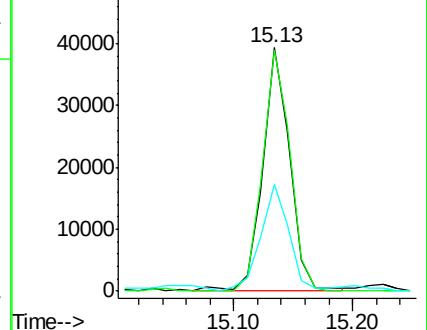
160 43.7 33.1 49.7

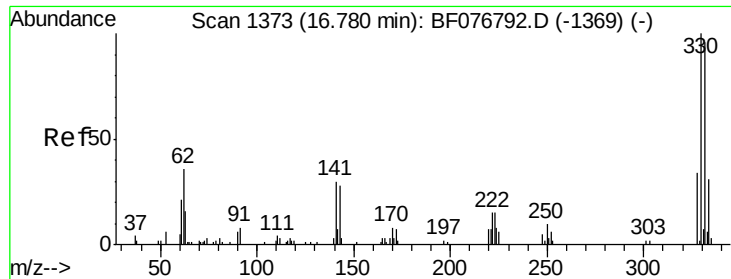


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

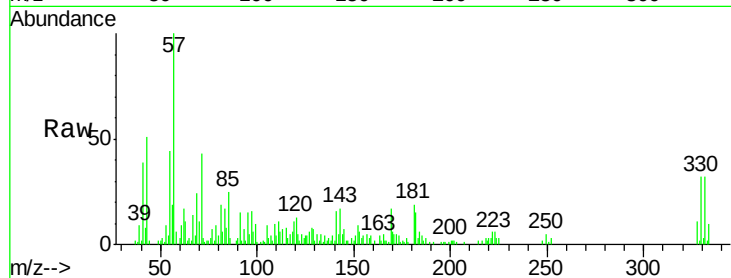




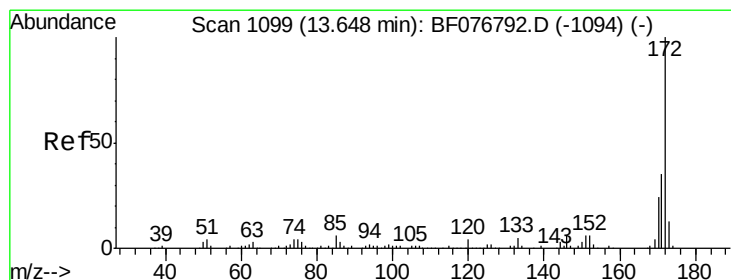
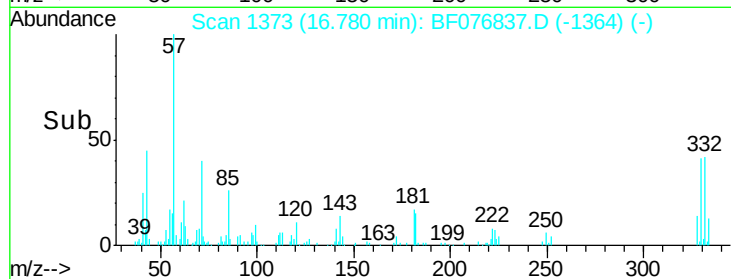
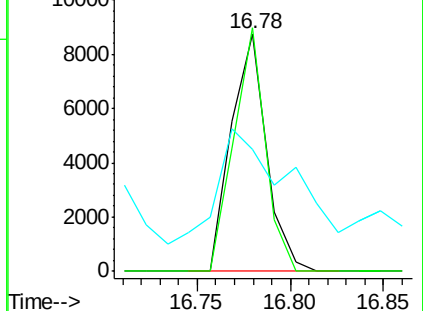
#41
 2,4,6-Tribromophenol
 Concen: 21.44 ng
 RT: 16.78 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BF076837.D
 Acq: 13 Jan 2015 9:20

Instrument :
 BNA_F
 ClientSampleId :
 S-1DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.7	74.8	112.2
141	95.3	42.4	63.6

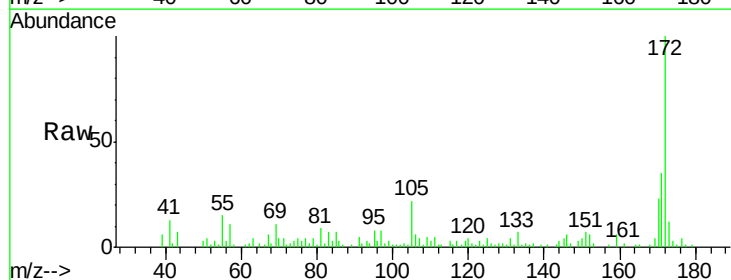


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

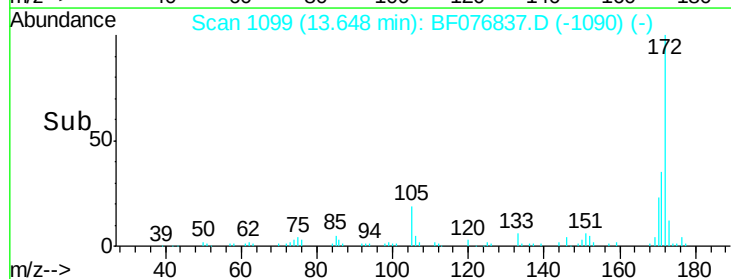
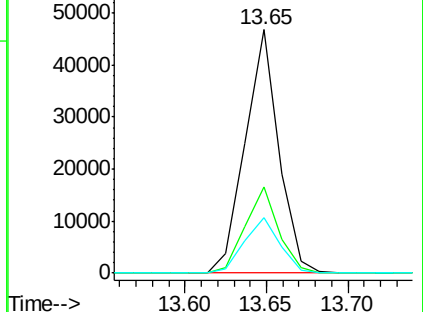


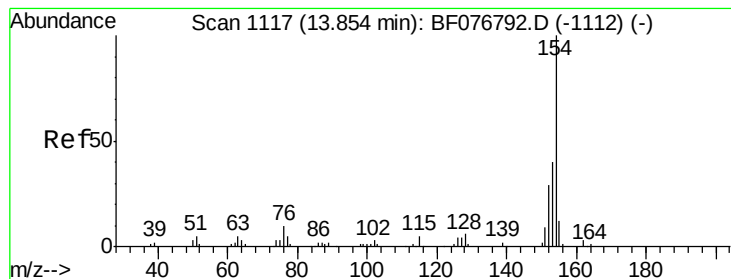
#44
 2-Fluorobiphenyl
 Concen: 15.48 ng
 RT: 13.65 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: BF076837.D
 Acq: 13 Jan 2015 9:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.8
170	23.0	18.8	28.2



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: 7.22 ng

RT: 13.85 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

Instrument :

BNA_F

ClientSampleId :

S-1DL

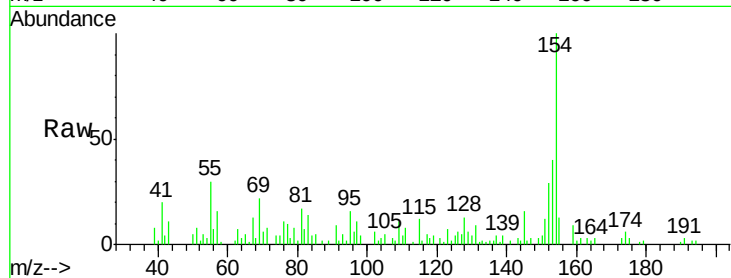
Tot Ion:154 Resp: 35417

Ion Ratio Lower Upper

154 100

153 40.0 19.9 59.9

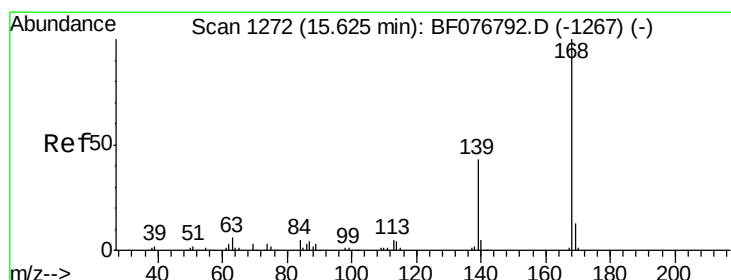
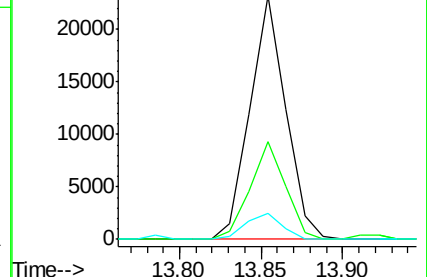
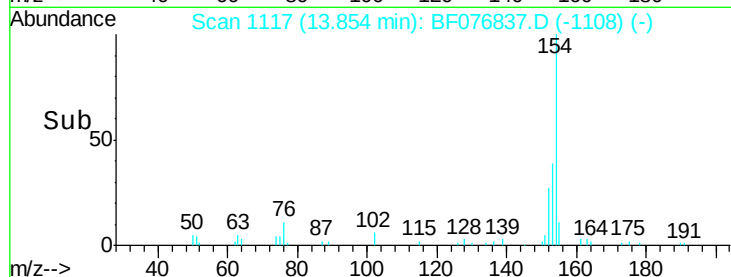
76 10.9 0.0 29.9



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



#54

Dibenzofuran

Concen: 2.23 ng

RT: 15.63 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

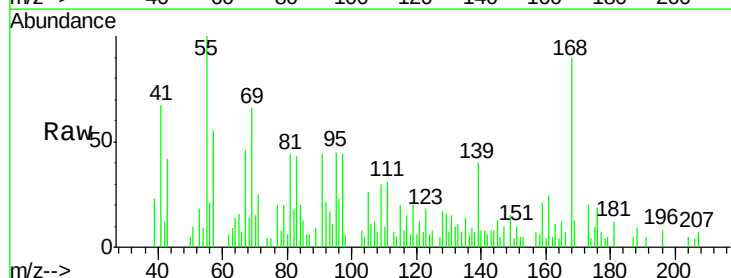
Tgt Ion:168 Resp: 12203

Ion Ratio Lower Upper

168 100

139 44.7 34.2 51.4

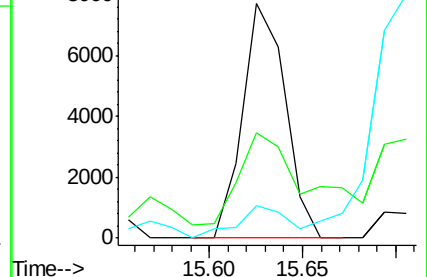
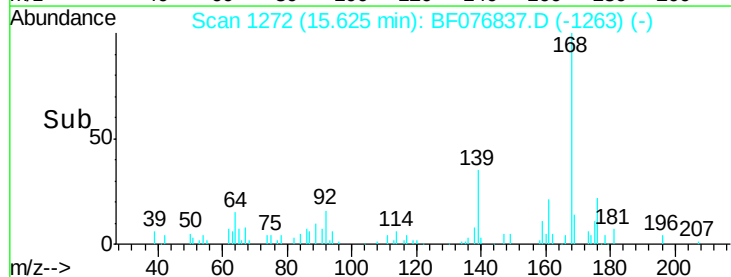
169 13.8 10.5 15.7

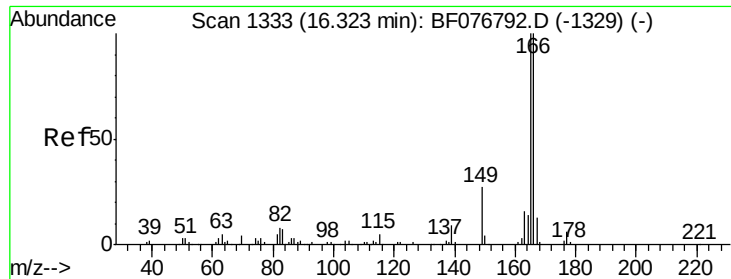


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 6.41 ng

RT: 16.32 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

Instrument :

BNA_F

ClientSampled :

S-1DL

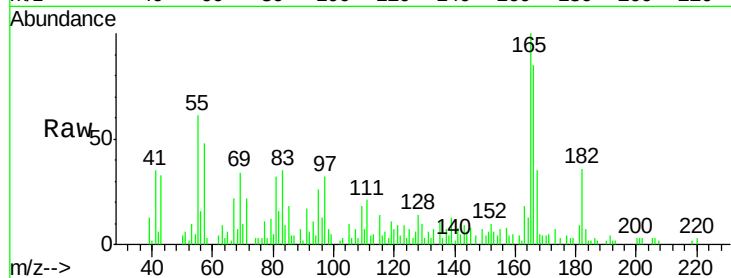
Tot Ion:166 Resp: 29636

Ion Ratio Lower Upper

166 100

165 117.7 79.6 119.4

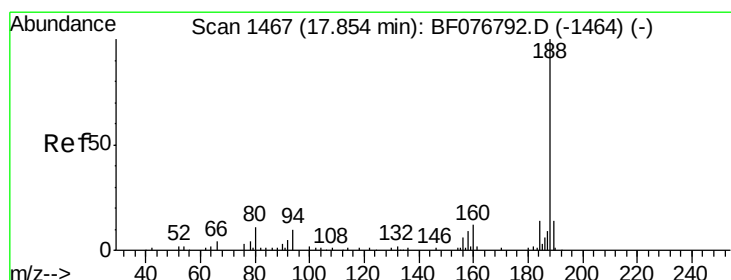
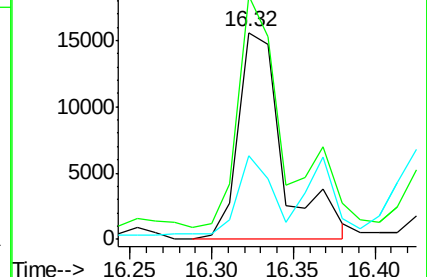
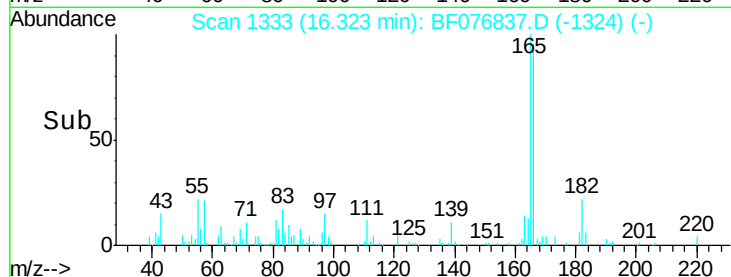
167 40.7 10.2 15.2#



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: 17.87 min Scan# 1468

Delta R.T. 0.01 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

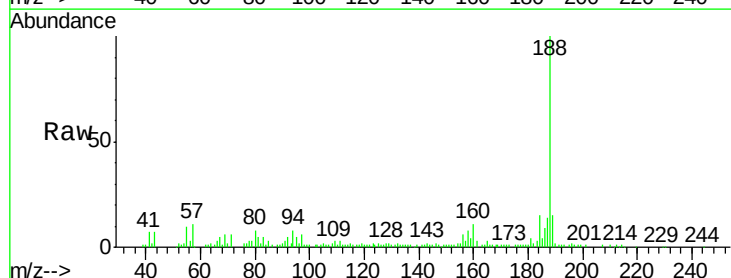
Tgt Ion:188 Resp: 95165

Ion Ratio Lower Upper

188 100

94 8.2 7.8 11.6

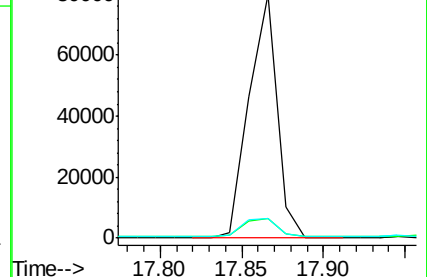
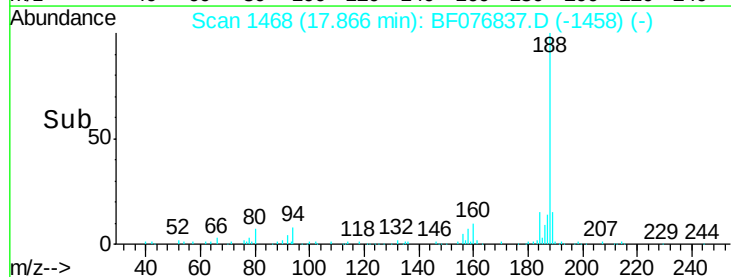
80 8.1 8.6 13.0#

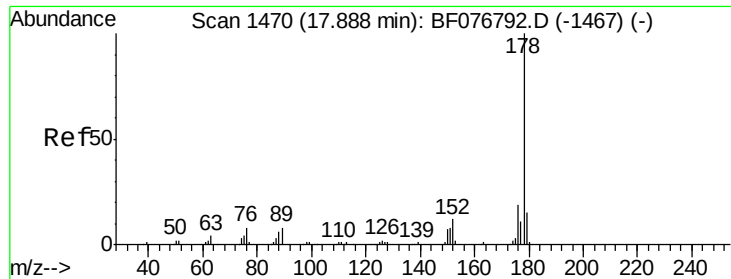


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 10.43 ng

RT: 17.90 min Scan# 1471

Delta R.T. 0.01 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

Instrument :

BNA_F

ClientSampleId :

S-1DL

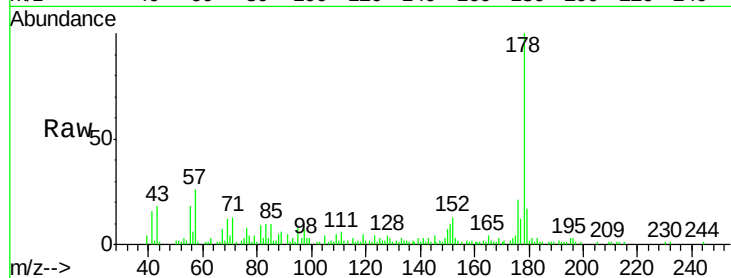
Tot Ion:178 Resp: 62208

Ion Ratio Lower Upper

178 100

176 21.0 15.2 22.8

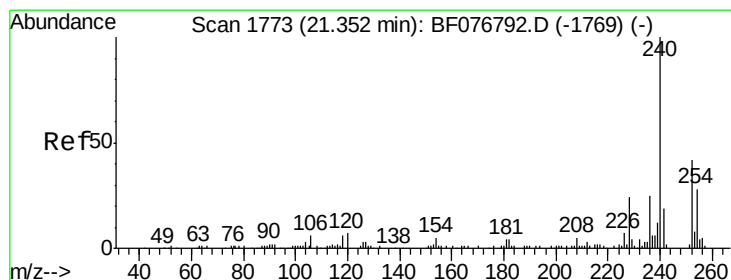
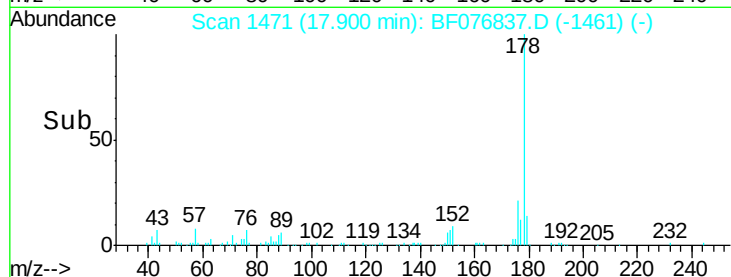
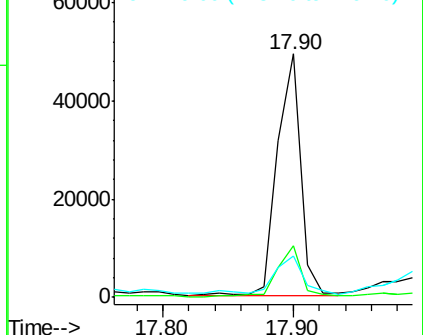
179 17.2 11.8 17.8



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: 21.35 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BF076837.D

Acq: 13 Jan 2015 9:20

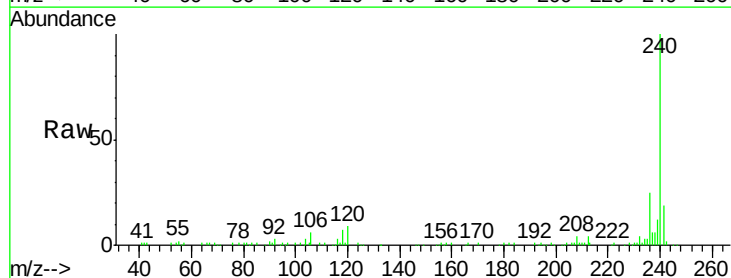
Tgt Ion:240 Resp: 105492

Ion Ratio Lower Upper

240 100

120 9.2 5.7 8.5#

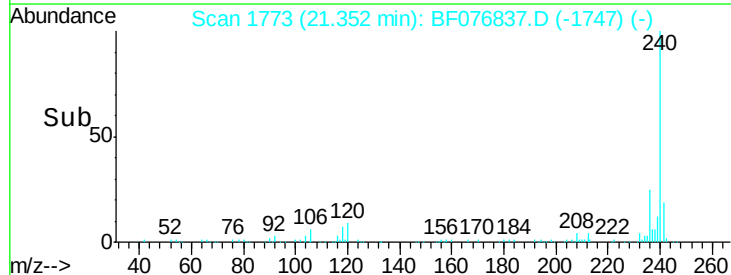
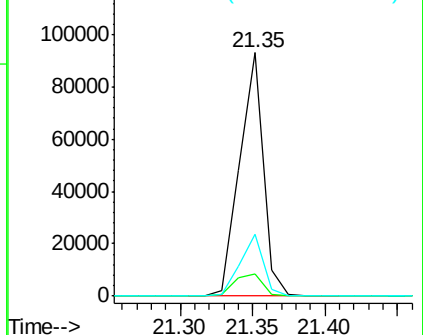
236 25.3 19.7 29.5

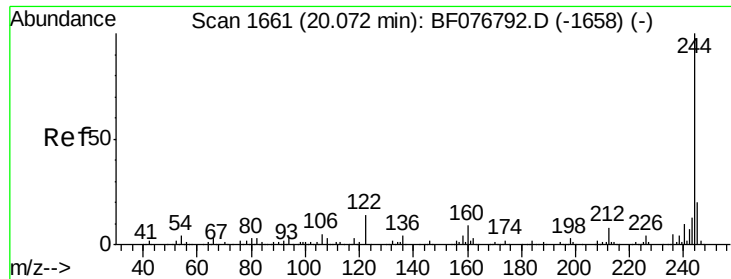


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

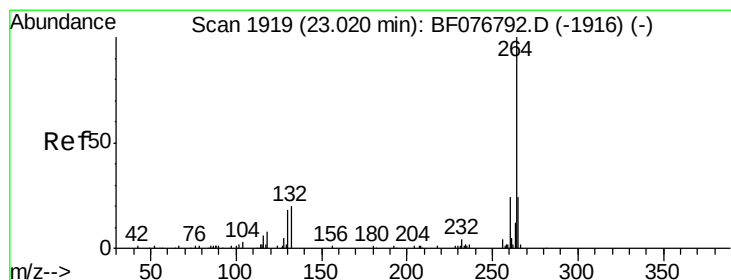
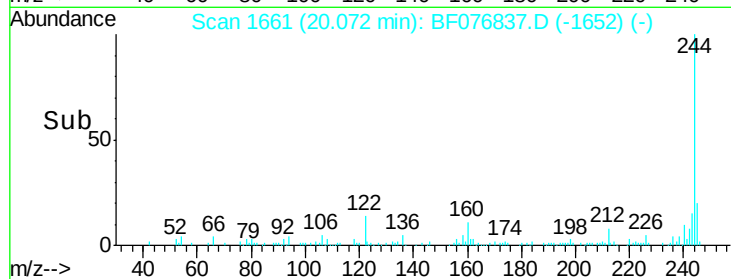
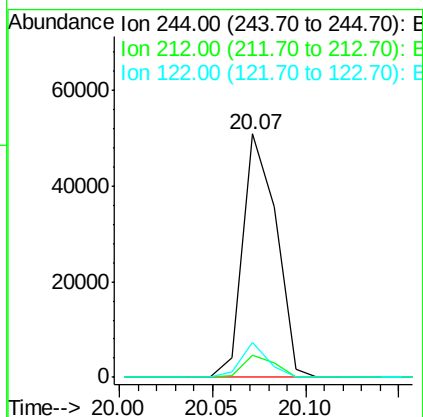
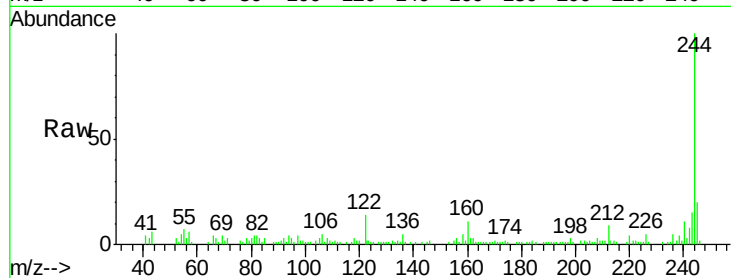




#78
 Terphenyl-d14
 Concen: 12.95 ng
 RT: 20.07 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: BF076837.D
 Acq: 13 Jan 2015 9:20

Instrument :
 BNA_F
 ClientSampleID :
 S-1DL

Tot Ion:244 Resp: 63432
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.2 9.2
 122 14.1 11.3 16.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.05 min Scan# 1922
 Delta R.T. 0.03 min
 Lab File: BF076837.D
 Acq: 13 Jan 2015 9:20

Tgt Ion:264 Resp: 101243
 Ion Ratio Lower Upper
 264 100
 260 22.0 19.4 29.0
 265 21.0 18.9 28.3

