

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012915\
 Data File : BF077125.D
 Acq On : 29 Jan 2015 15:30
 Operator : TP/IZ
 Sample : G1137-02DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 104B1BDL

Quant Time: Jan 30 01:05:43 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 00:11:29 2015
 Response via : Initial Calibration

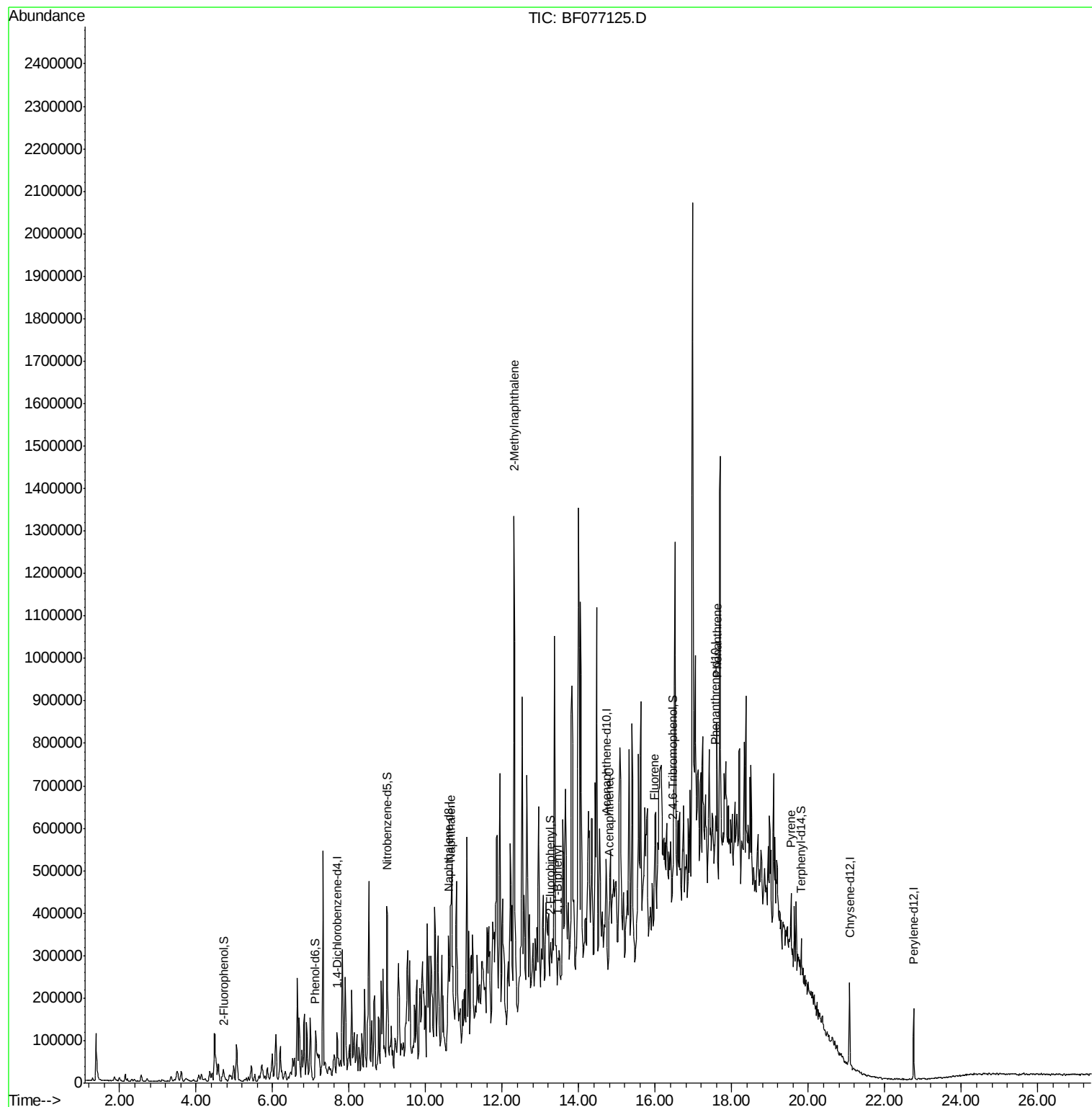
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	22319	20.00	ng	0.00
21) Naphthalene-d8	10.60	136	95772	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	52351	20.00	ng	0.01
63) Phenanthrene-d10	17.58	188	82529	20.00	ng	0.01
75) Chrysene-d12	21.08	240	84674	20.00	ng	0.00
86) Perylene-d12	22.76	264	83459	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.72	112	17846	13.15	ng	0.02
7) Phenol-d6	7.11	99	21740	12.70	ng	0.01
23) Nitrobenzene-d5	9.00	82	14687	8.50	ng	0.00
41) 2,4,6-Tribromophenol	16.46	330	5194	12.22	ng	0.01
44) 2-Fluorobiphenyl	13.25	172	28195	8.20	ng	0.00
78) Terphenyl-d14	19.82	244	27486	7.47	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	10.64	128	203089	41.19	ng	96
37) 2-Methylnaphthalene	12.31	142	531888	157.96	ng	97
45) 1,1'-Biphenyl	13.45	154	29598	7.63	ng	91
51) Acenaphthene	14.80	154	24084	7.88	ng	# 75
57) Fluorene	15.98	166	53150	14.09	ng	# 93
70) Phenanthrene	17.61	178	172621	33.54	ng	98
77) Pyrene	19.55	202	37692	6.50	ng	# 78

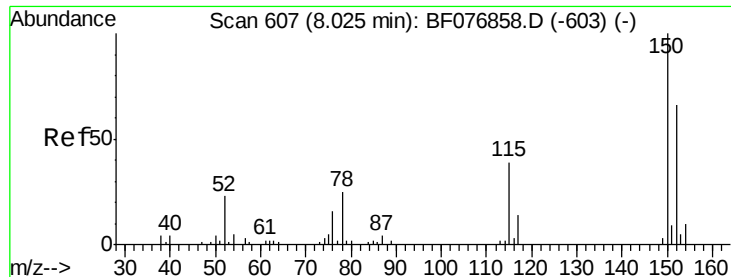
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.68 min Scan# 577

Delta R.T. -0.00 min

Lab File: BF077125.D

Acq: 29 Jan 2015 15:30

Instrument :

BNA_F

ClientSampleId :

104B1BDL

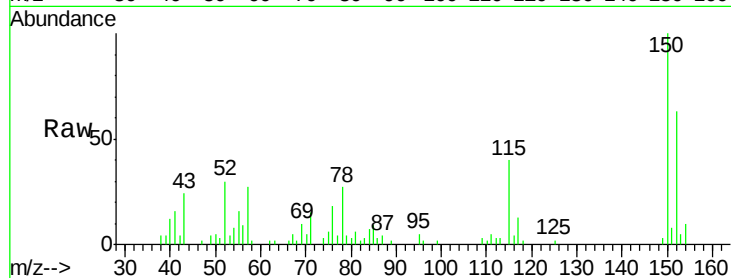
Tgt Ion:152 Resp: 22319

Ion Ratio Lower Upper

152 100

150 157.9 121.7 182.5

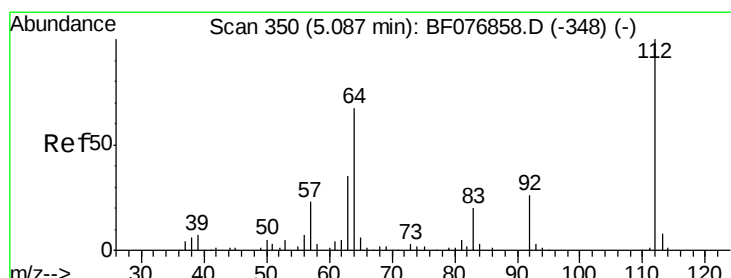
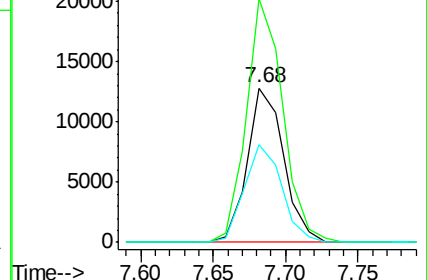
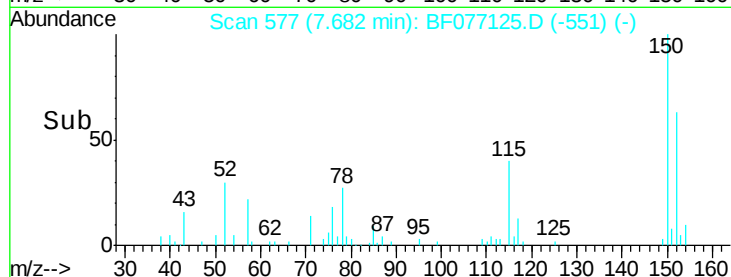
115 63.2 47.0 70.6



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: 13.15 ng

RT: 4.72 min Scan# 318

Delta R.T. 0.02 min

Lab File: BF077125.D

Acq: 29 Jan 2015 15:30

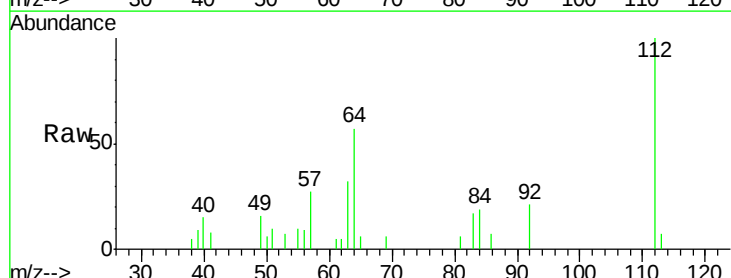
Tgt Ion:112 Resp: 17846

Ion Ratio Lower Upper

112 100

64 56.8 54.2 81.4

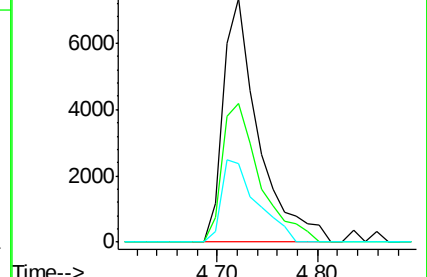
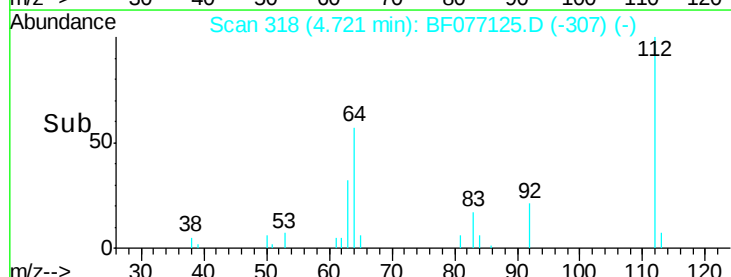
63 32.0 28.4 42.6

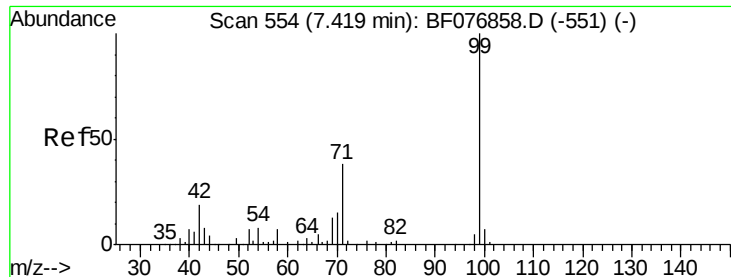


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 12.70 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF077125.D

Acq: 29 Jan 2015 15:30

Instrument :

BNA_F

ClientSampled :

104B1BDL

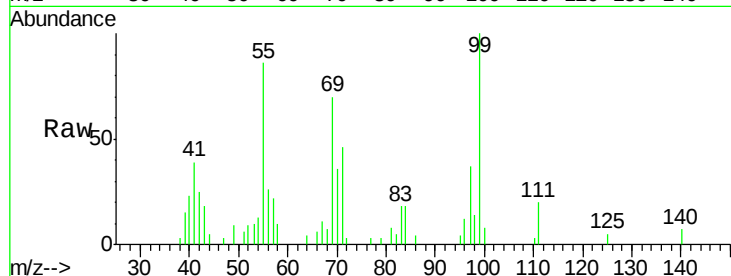
Tgt Ion: 99 Resp: 21740

Ion Ratio Lower Upper

99 100

42 24.5 15.0 22.4#

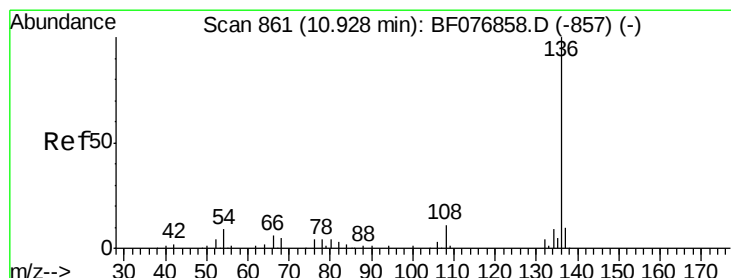
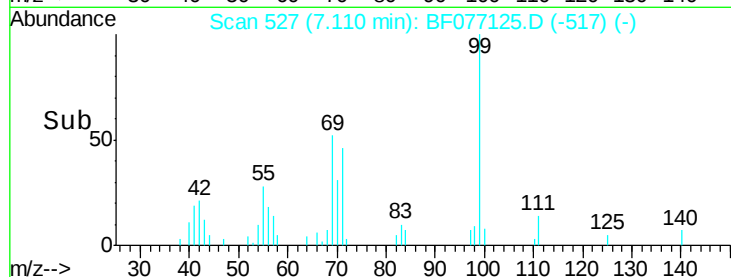
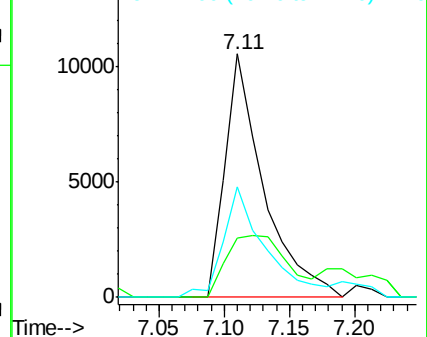
71 45.6 30.5 45.7



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: 10.60 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF077125.D

Acq: 29 Jan 2015 15:30

Tgt Ion: 136 Resp: 95772

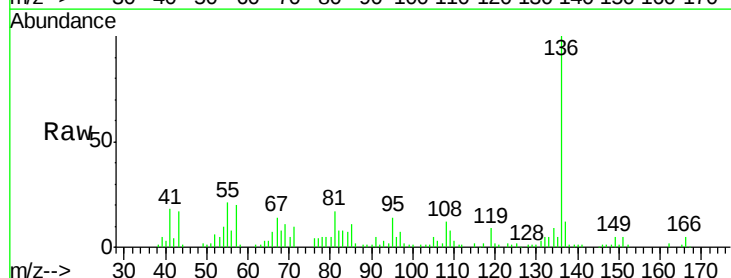
Ion Ratio Lower Upper

136 100

137 11.9 8.1 12.1

54 10.4 7.0 10.4

68 8.1 3.7 5.5#

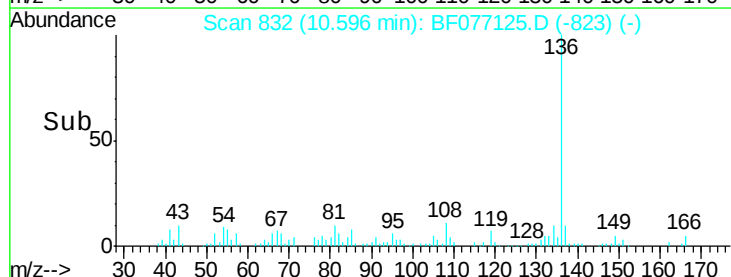
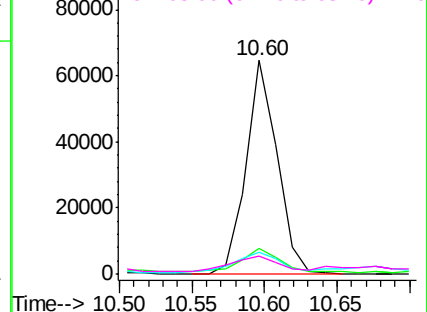


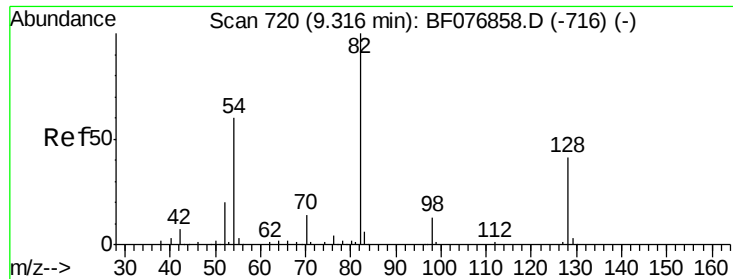
Abundance Ion 136.00 (135.70 to 136.70): E

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

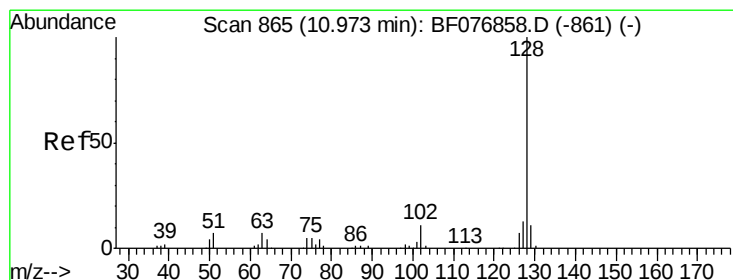
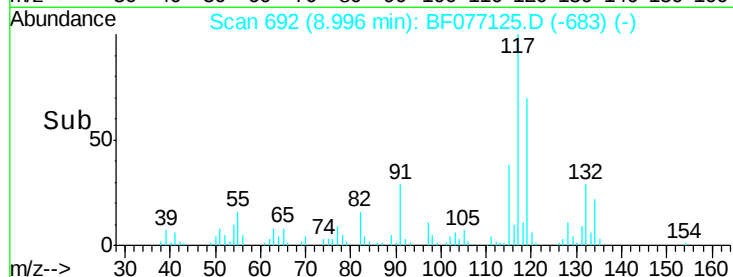
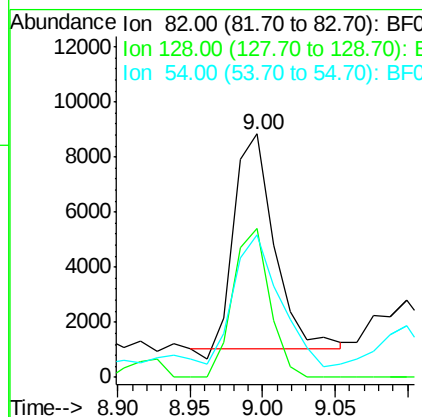
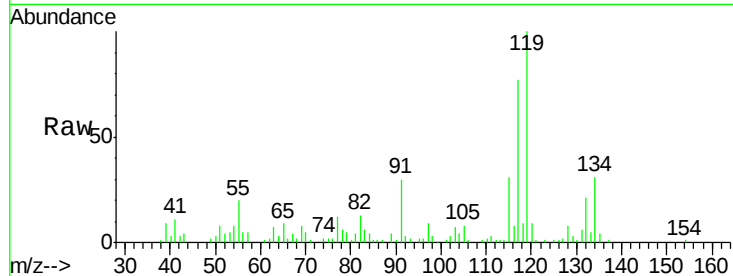




#23
 Nitrobenzene-d5
 Concen: 8.50 ng
 RT: 9.00 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: BF077125.D
 Acq: 29 Jan 2015 15:30

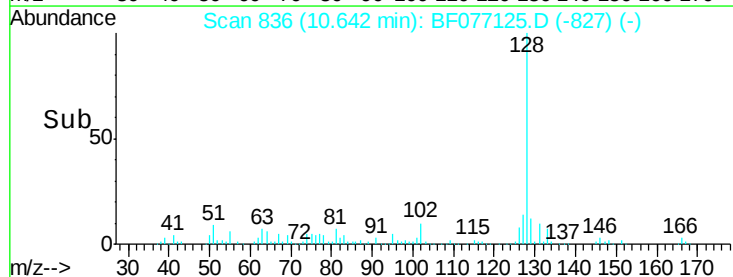
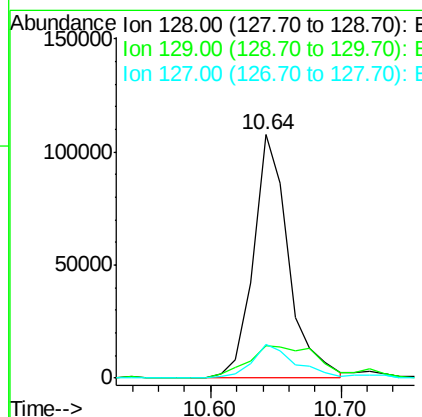
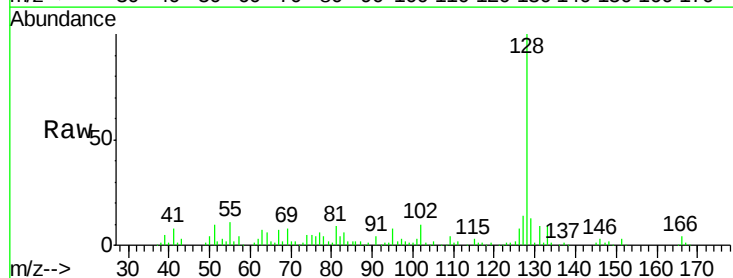
Instrument :
 BNA_F
 ClientSampleId :
 104B1BDL

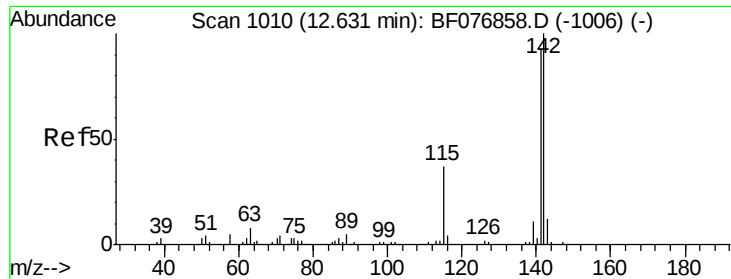
Tgt Ion: 82 Resp: 14687
 Ion Ratio Lower Upper
 82 100
 128 61.2 33.1 49.7#
 54 58.3 48.3 72.5



#31
 Naphthalene
 Concen: 41.19 ng
 RT: 10.64 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF077125.D
 Acq: 29 Jan 2015 15:30

Tgt Ion: 128 Resp: 203089
 Ion Ratio Lower Upper
 128 100
 129 13.2 9.0 13.6
 127 14.0 10.2 15.2

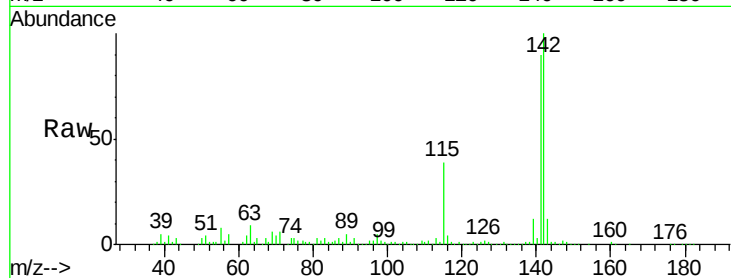




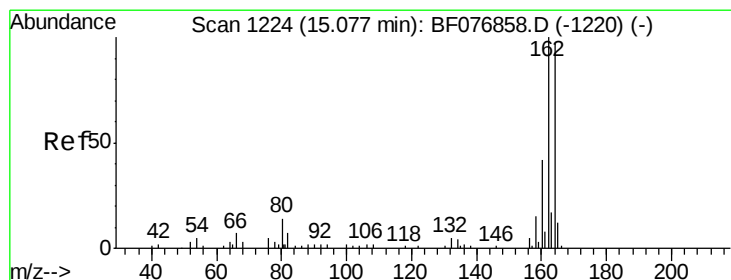
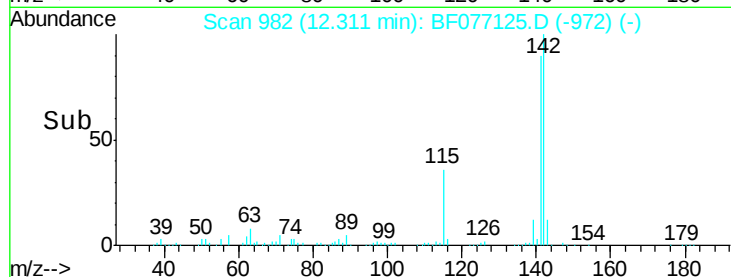
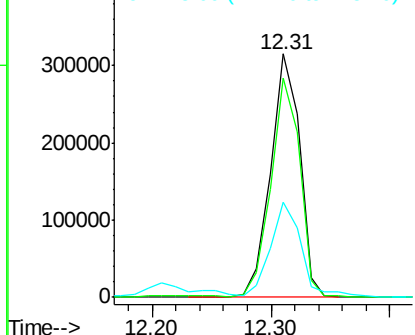
#37
2-Methylnaphthalene
Concen: 157.96 ng
RT: 12.31 min Scan# 982
Delta R.T. 0.01 min
Lab File: BF077125.D
Acq: 29 Jan 2015 15:30

Instrument :
BNA_F
ClientSampleId :
104B1BDL

Tgt Ion:142 Resp: 531888
Ion Ratio Lower Upper
142 100
141 90.2 74.5 111.7
115 39.3 29.7 44.5

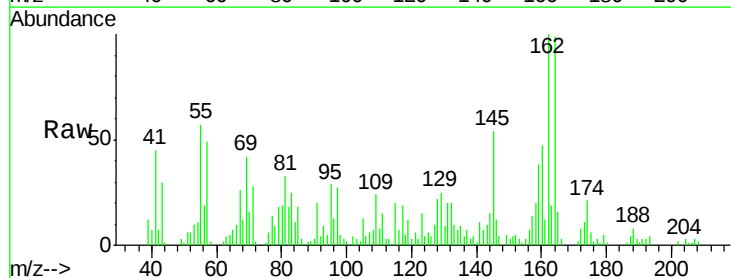


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

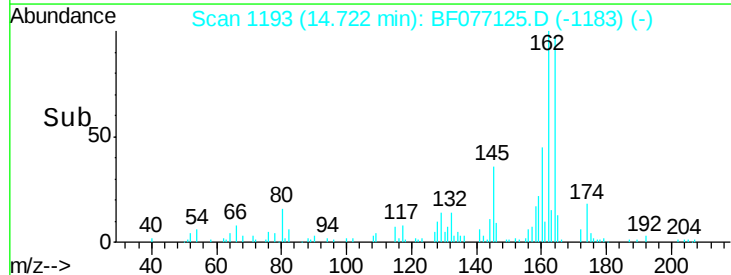
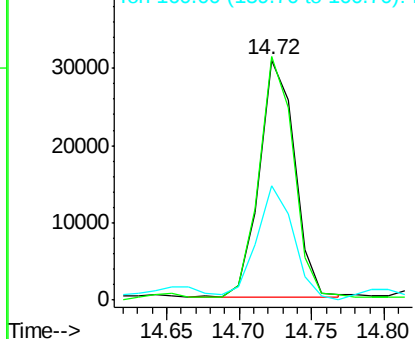


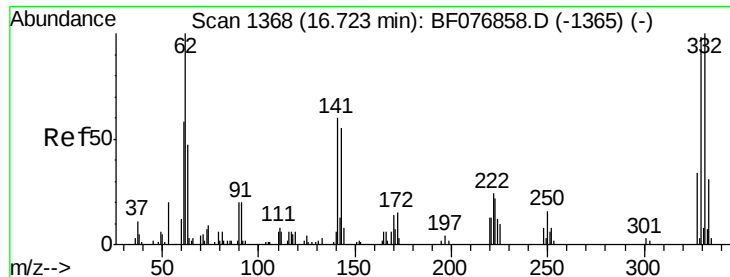
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.72 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF077125.D
Acq: 29 Jan 2015 15:30

Tgt Ion:164 Resp: 52351
Ion Ratio Lower Upper
164 100
162 101.3 82.4 123.6
160 47.5 34.8 52.2



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

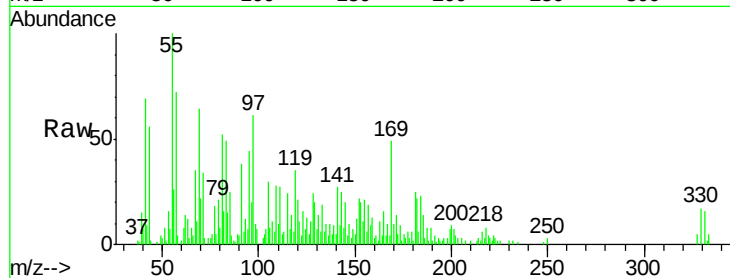




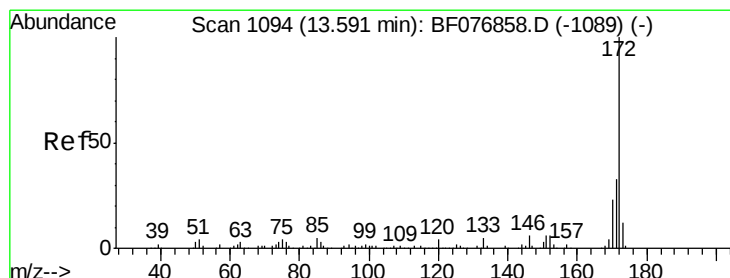
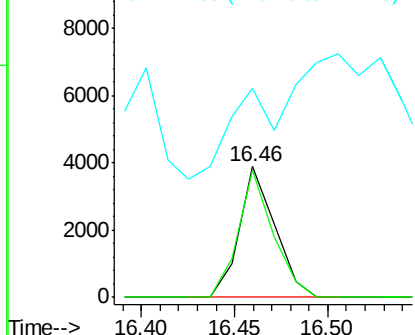
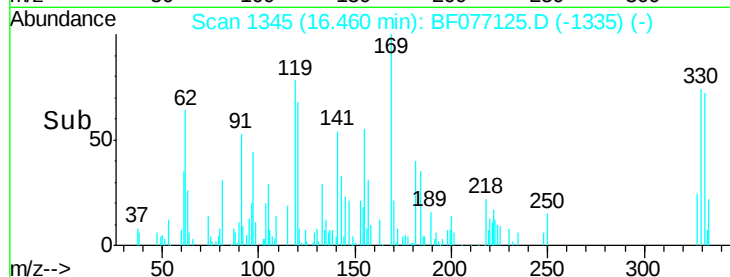
#41
 2,4,6-Tribromophenol
 Concen: 12.22 ng
 RT: 16.46 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: BF077125.D
 Acq: 29 Jan 2015 15:30

Instrument :
 BNA_F
 ClientSampleId :
 104B1BDL

Tgt Ion:330 Resp: 5194
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.8 116.6
 141 0.0 38.5 57.7#

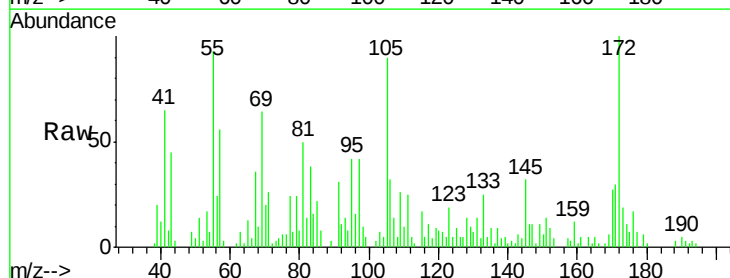


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

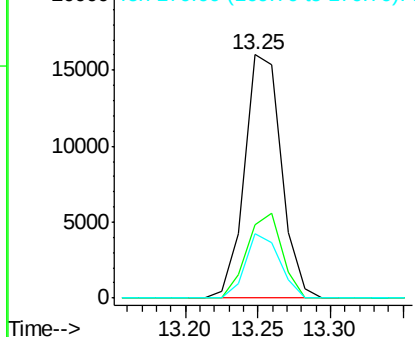
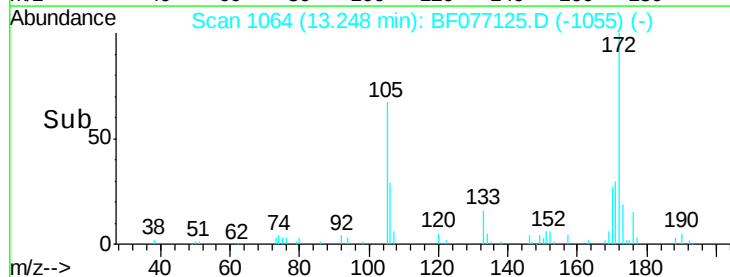


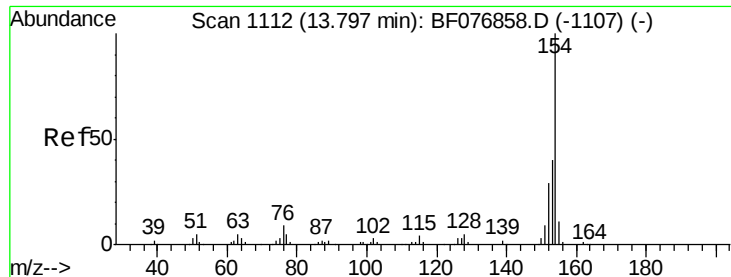
#44
 2-Fluorobiphenyl
 Concen: 8.20 ng
 RT: 13.25 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: BF077125.D
 Acq: 29 Jan 2015 15:30

Tgt Ion:172 Resp: 28195
 Ion Ratio Lower Upper
 172 100
 171 30.2 26.6 40.0
 170 26.6 18.0 27.0



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: 7.63 ng

RT: 13.45 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF077125.D

Acq: 29 Jan 2015 15:30

Instrument :

BNA_F

ClientSampleId :

104B1BDL

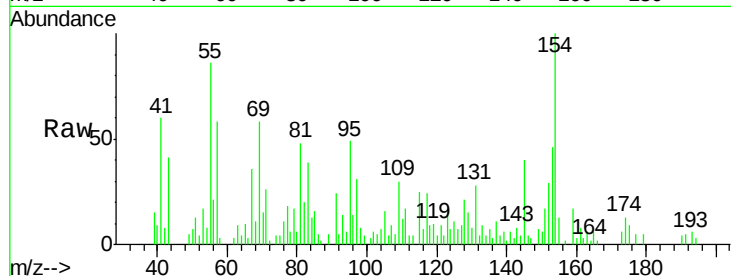
Tgt Ion:154 Resp: 29598

Ion Ratio Lower Upper

154 100

153 46.0 20.2 60.2

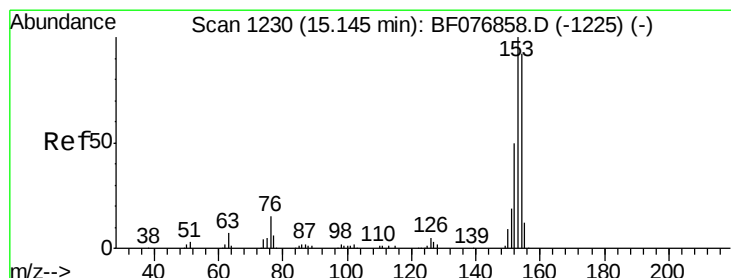
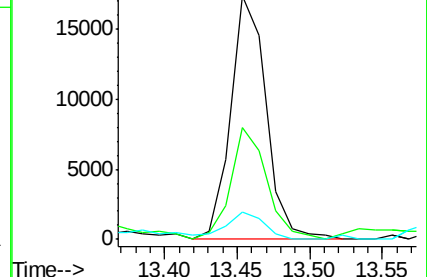
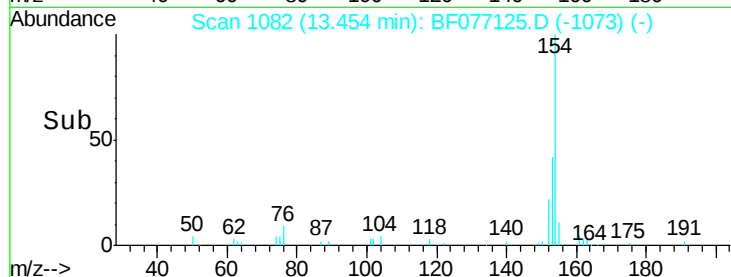
76 11.5 0.0 29.0



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: 7.88 ng

RT: 14.80 min Scan# 1200

Delta R.T. 0.01 min

Lab File: BF077125.D

Acq: 29 Jan 2015 15:30

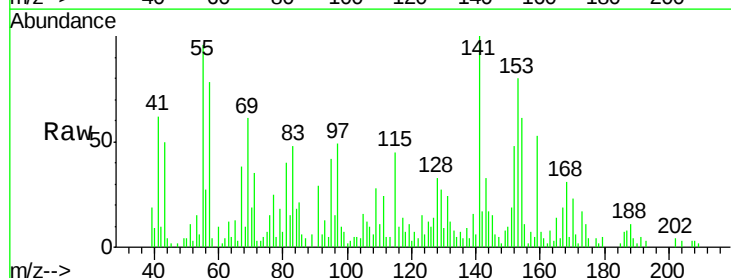
Tgt Ion:154 Resp: 24084

Ion Ratio Lower Upper

154 100

153 130.3 87.0 130.6

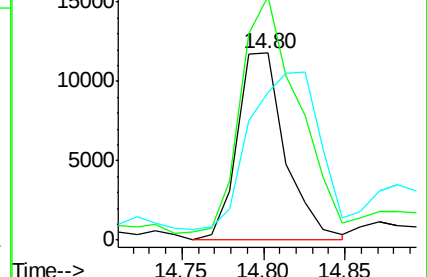
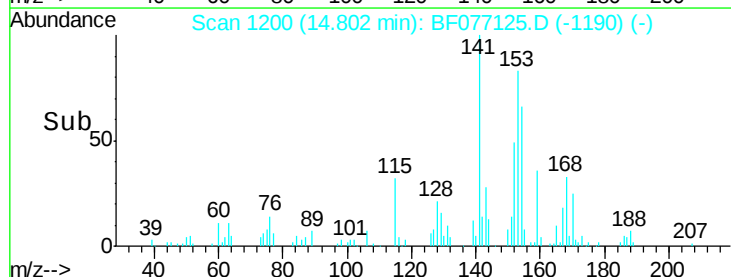
152 79.2 43.5 65.3#

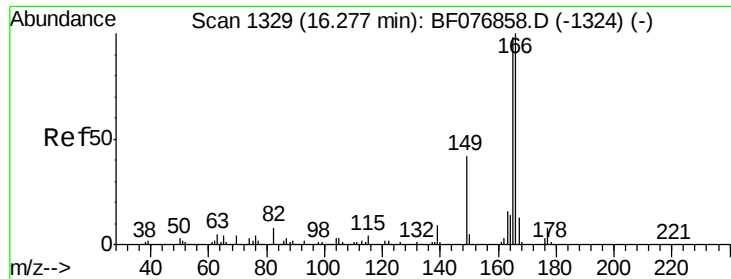


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

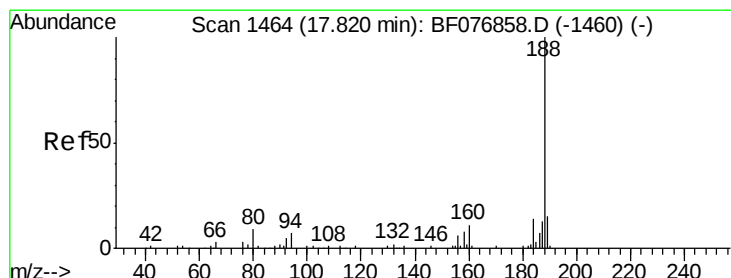
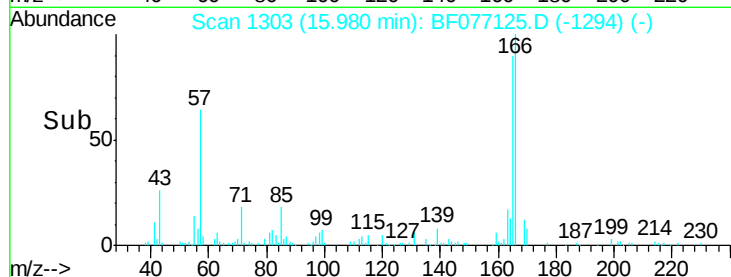
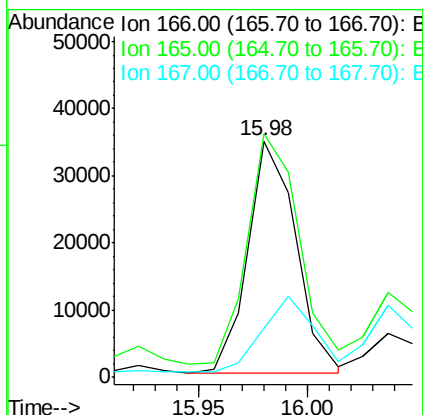
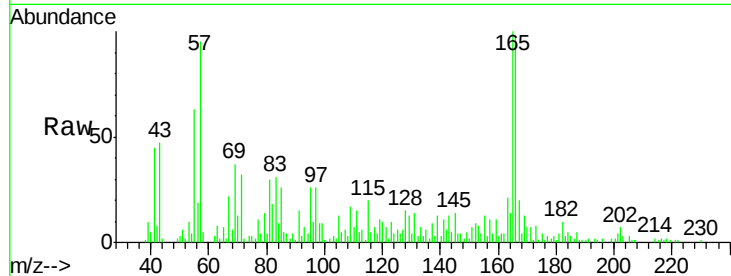




#57
Fluorene
 Concen: 14.09 ng
 RT: 15.98 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF077125.D
 Acq: 29 Jan 2015 15:30

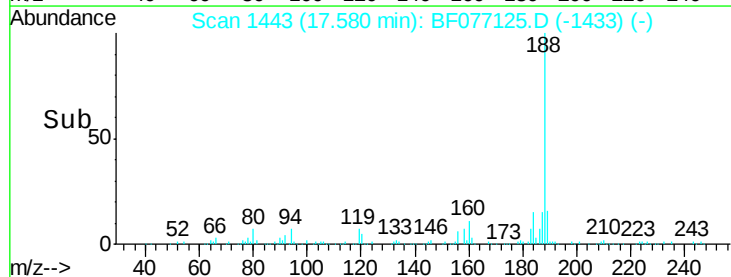
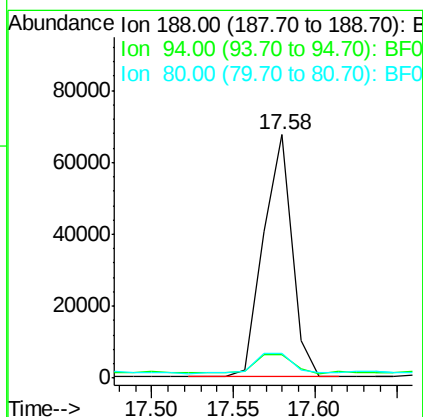
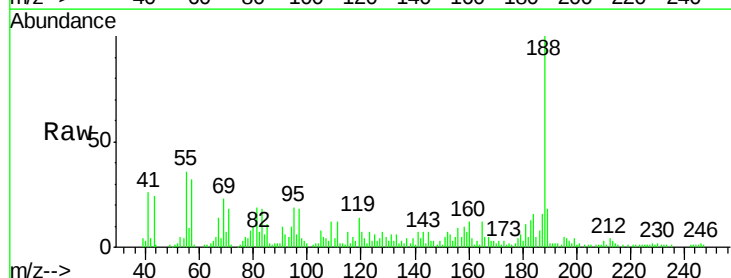
Instrument :
 BNA_F
 ClientSampleId :
 104B1BDL

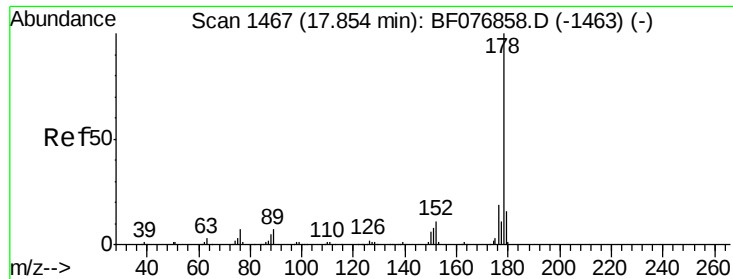
Tgt Ion:166 Resp: 53150
 Ion Ratio Lower Upper
 166 100
 165 102.9 78.5 117.7
 167 20.5 10.4 15.6#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.58 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: BF077125.D
 Acq: 29 Jan 2015 15:30

Tgt Ion:188 Resp: 82529
 Ion Ratio Lower Upper
 188 100
 94 9.6 6.0 9.0#
 80 10.0 6.9 10.3





#70

Phenanthrene

Concen: 33.54 ng

RT: 17.61 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BF077125.D

Acq: 29 Jan 2015 15:30

Instrument :

BNA_F

ClientSampleId :

104B1BDL

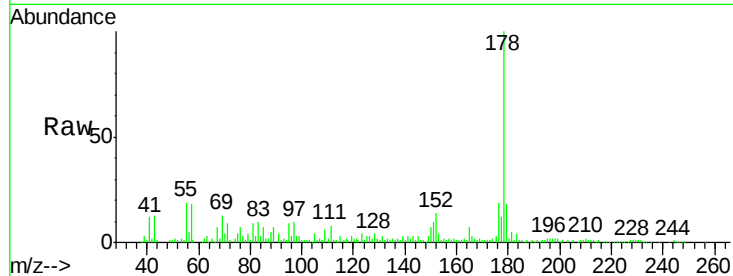
Tgt Ion:178 Resp: 172621

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 18.0 12.7 19.1



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

150000

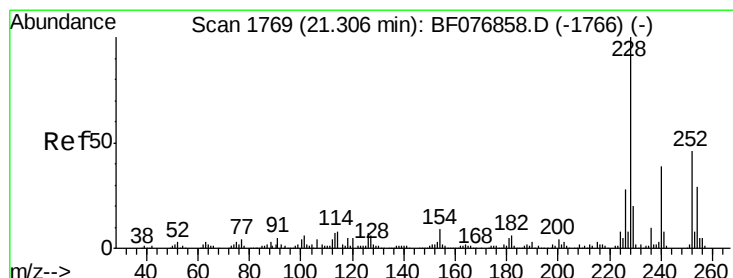
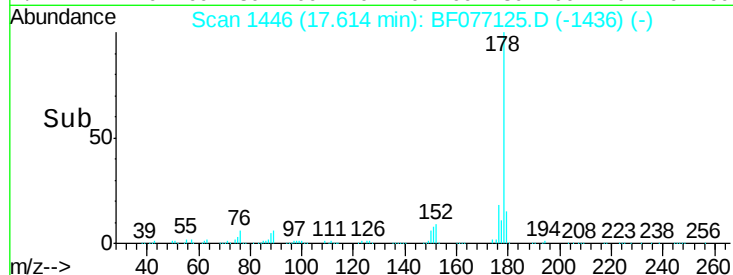
100000

50000

0

17.61

Time--> 17.50 17.60



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.08 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BF077125.D

Acq: 29 Jan 2015 15:30

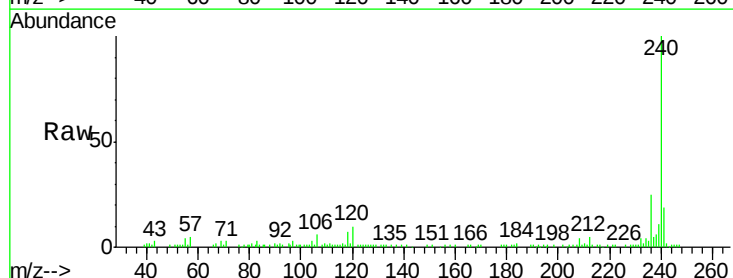
Tgt Ion:240 Resp: 84674

Ion Ratio Lower Upper

240 100

120 10.5 10.4 15.6

236 25.1 20.2 30.2



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

80000

60000

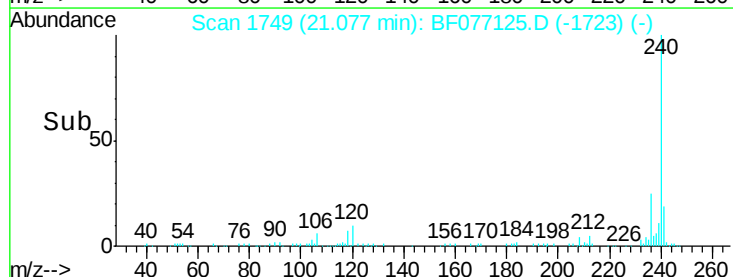
40000

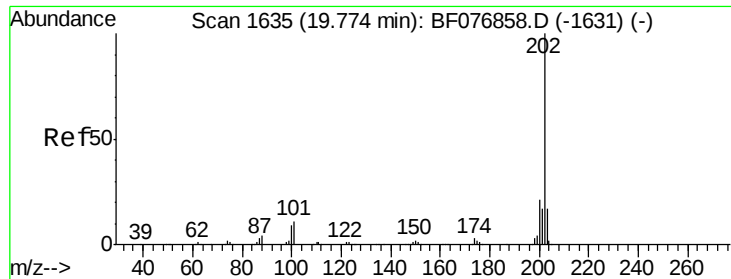
20000

0

21.08

Time--> 21.00 21.05 21.10 21.15





#77

Pyrene

Concen: 6.50 ng

RT: 19.55 min Scan# 1615

Delta R.T. 0.01 min

Lab File: BF077125.D

Acq: 29 Jan 2015 15:30

Instrument :

BNA_F

ClientSampleId :

104B1BDL

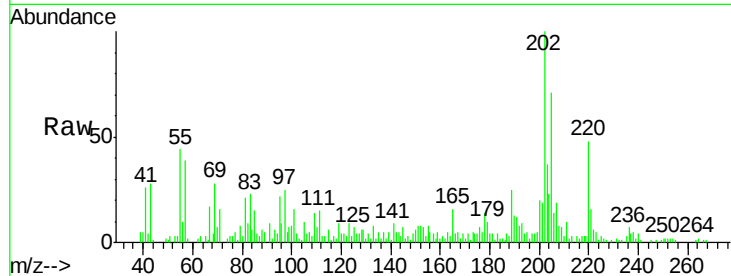
Tgt Ion:202 Resp: 37692

Ion Ratio Lower Upper

202 100

200 19.9 16.7 25.1

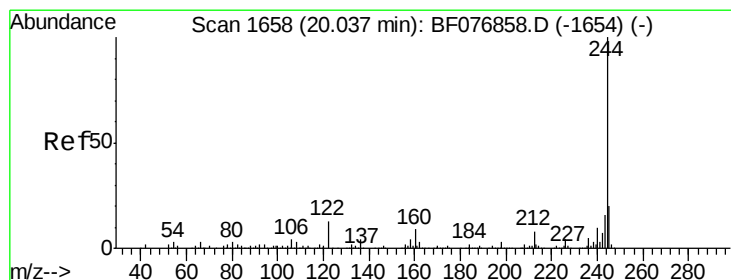
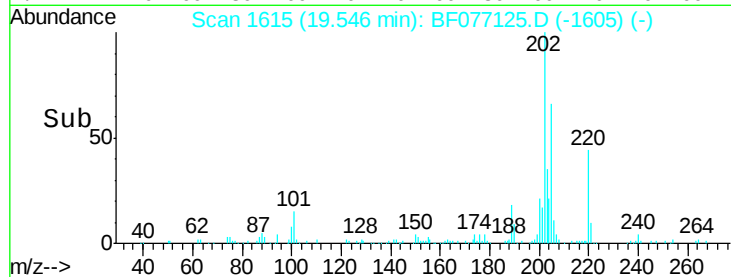
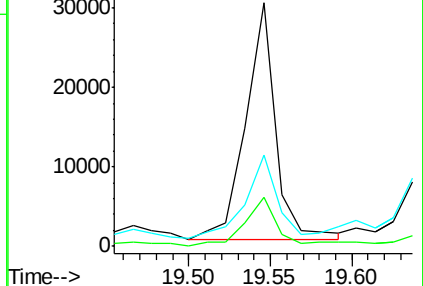
203 37.4 14.0 21.0#



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: 7.47 ng

RT: 19.82 min Scan# 1639

Delta R.T. 0.01 min

Lab File: BF077125.D

Acq: 29 Jan 2015 15:30

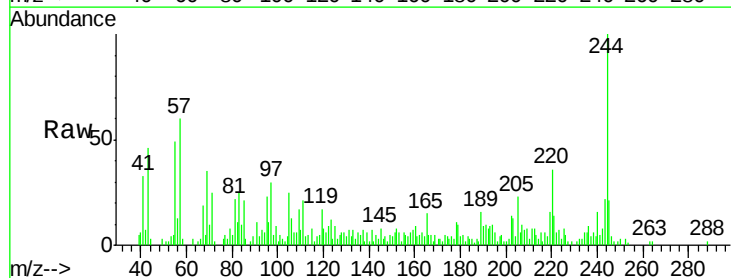
Tgt Ion:244 Resp: 27486

Ion Ratio Lower Upper

244 100

212 8.0 6.3 9.5

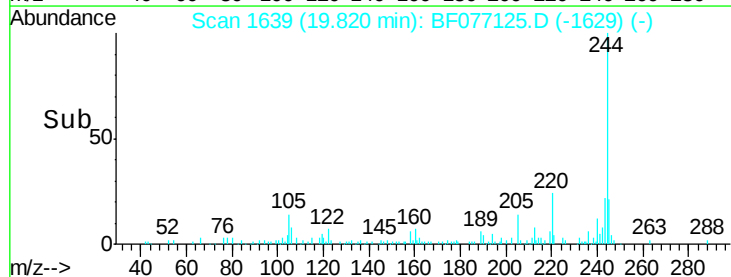
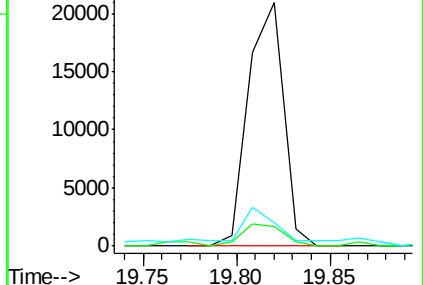
122 9.5 10.1 15.1#

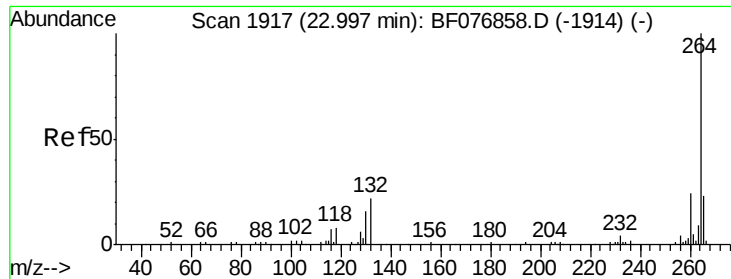


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

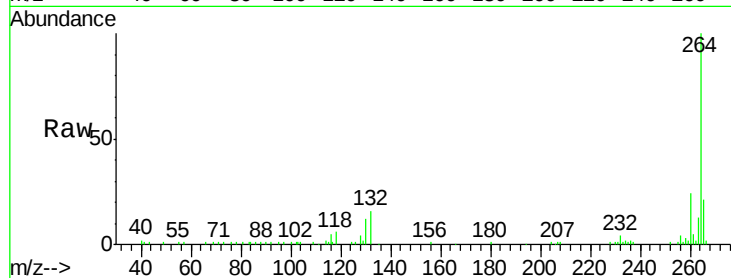




#86
Perylene-d12
Concen: 20.00 ng
RT: 22.76 min Scan# 1896
Delta R.T. 0.03 min
Lab File: BF077125.D
Acq: 29 Jan 2015 15:30

Instrument :
BNA_F
ClientSampleId :
104B1BDL

Tgt Ion: 264 Resp: 83459
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.4
265 21.5 18.1 27.1



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

