

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012915\
 Data File : BF077126.D
 Acq On : 29 Jan 2015 16:04
 Operator : TP/IZ
 Sample : G1137-03DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 104B2DL

Quant Time: Jan 30 01:25:11 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 01:15:51 2015
 Response via : Initial Calibration

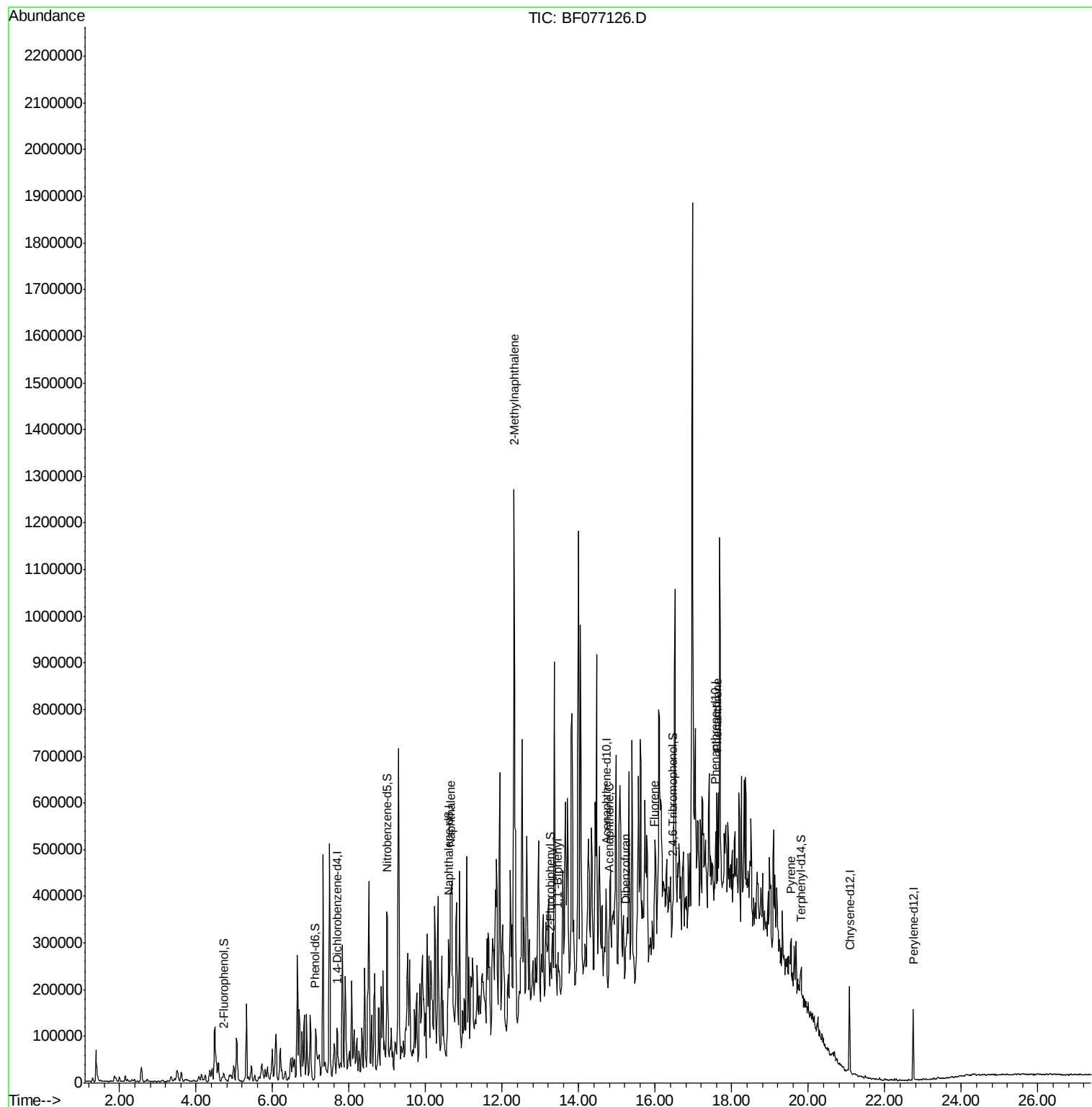
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	24684	20.00	ng	0.00
21) Naphthalene-d8	10.60	136	102470	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	50623	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	87880	20.00	ng	0.00
75) Chrysene-d12	21.08	240	83897	20.00	ng	0.00
86) Perylene-d12	22.75	264	84547	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.72	112	12272	8.17	ng	0.00
7) Phenol-d6	7.12	99	16063	8.48	ng	0.00
23) Nitrobenzene-d5	9.00	82	10897	5.89	ng	0.00
41) 2,4,6-Tribromophenol	16.46	330	3292	8.01	ng	0.00
44) 2-Fluorobiphenyl	13.25	172	19127	5.75	ng	0.00
78) Terphenyl-d14	19.81	244	18850	5.17	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.64	128	215800	40.91	ng	99
37) 2-Methylnaphthalene	12.31	142	515114	142.98	ng	96
45) 1,1'-Biphenyl	13.45	154	50578	13.48	ng	98
51) Acenaphthene	14.80	154	19708	6.67	ng	# 68
54) Dibenzofuran	15.23	168	17931	4.16	ng	# 94
57) Fluorene	15.98	166	43581	11.95	ng	# 90
70) Phenanthrene	17.61	178	140658	25.67	ng	99
77) Pyrene	19.55	202	25884	4.50	ng	# 71

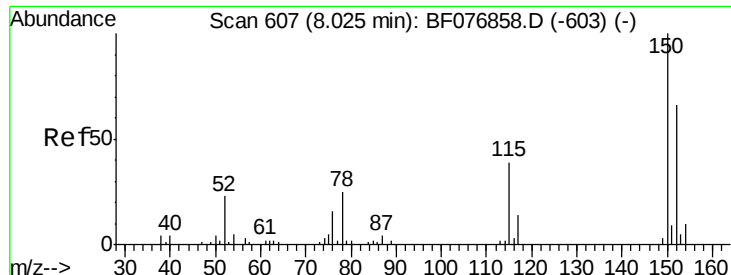
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 30 01:25:11 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 01:15:51 2015
Response via : Initial Calibration

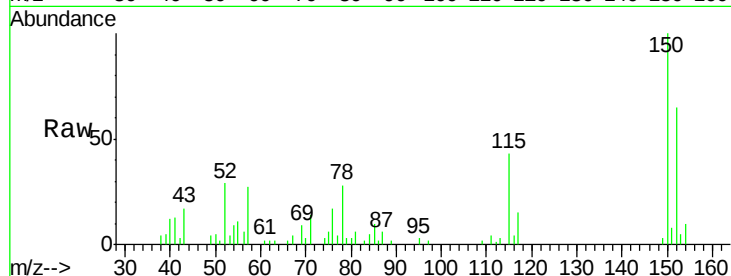




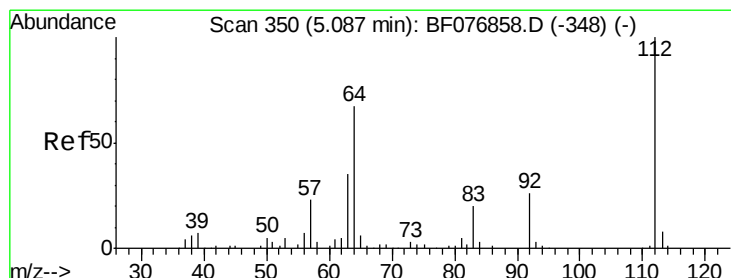
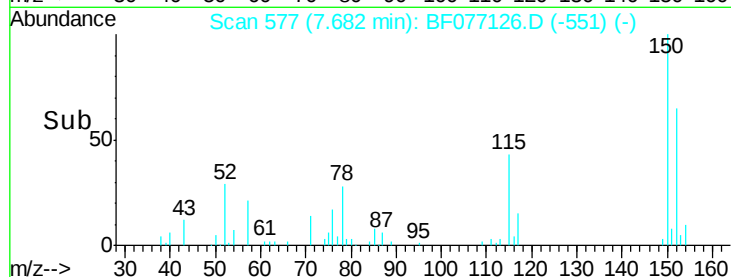
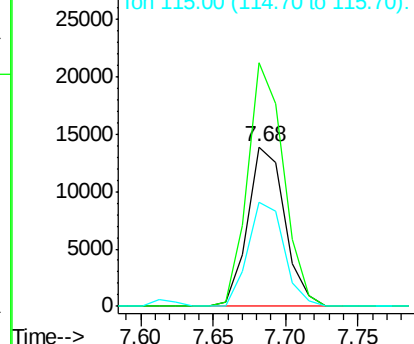
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.68 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF077126.D
 Acq: 29 Jan 2015 16:04

Instrument :
 BNA_F
 ClientSampleId :
 104B2DL

Tgt Ion:152 Resp: 24684
 Ion Ratio Lower Upper
 152 100
 150 152.9 121.7 182.5
 115 65.4 47.0 70.6

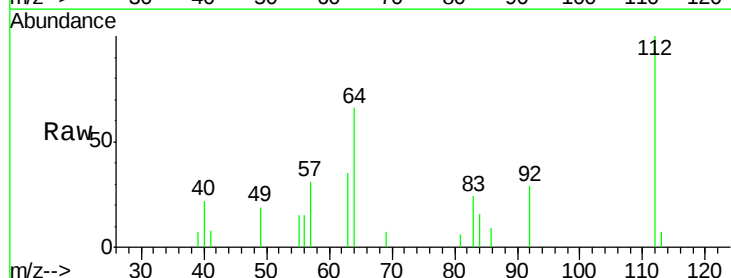


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

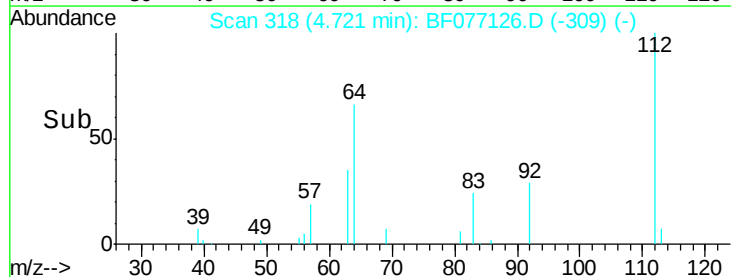
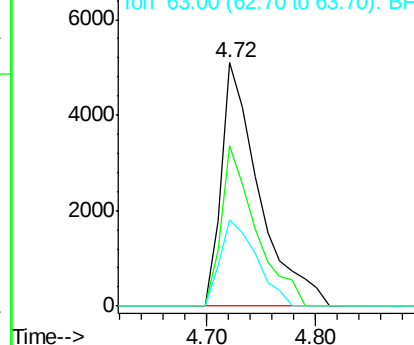


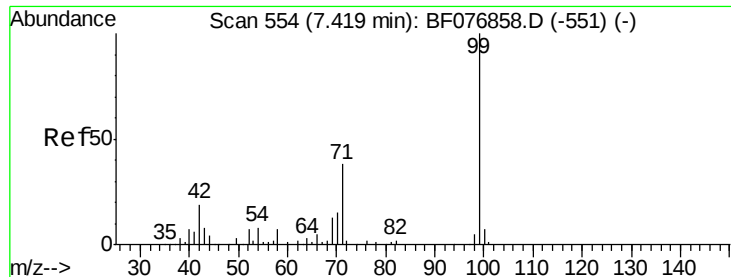
#5
 2-Fluorophenol
 Concen: 8.17 ng
 RT: 4.72 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: BF077126.D
 Acq: 29 Jan 2015 16:04

Tgt Ion:112 Resp: 12272
 Ion Ratio Lower Upper
 112 100
 64 65.9 54.2 81.4
 63 35.3 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: 8.48 ng

RT: 7.12 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

Instrument :

BNA_F

ClientSampleId :

104B2DL

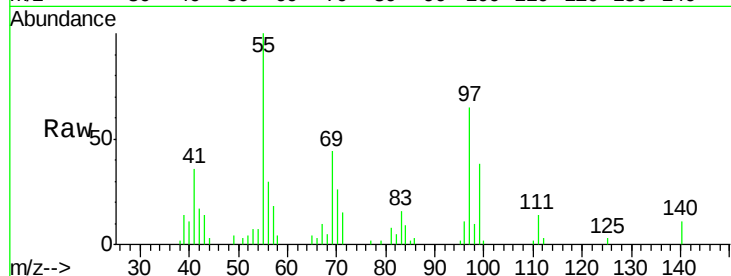
Tgt Ion: 99 Resp: 16063

Ion Ratio Lower Upper

99 100

42 44.6 15.0 22.4#

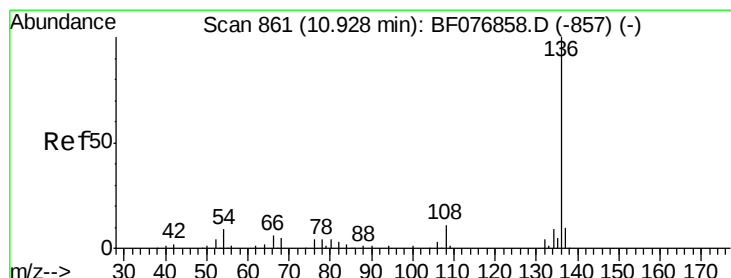
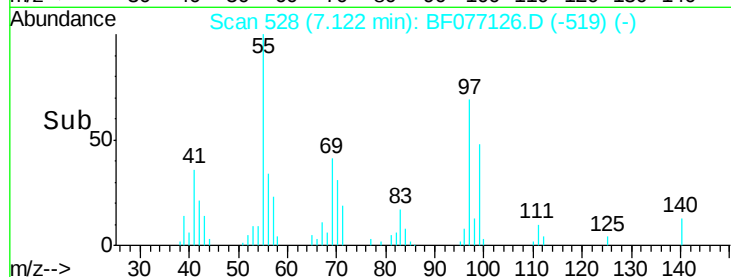
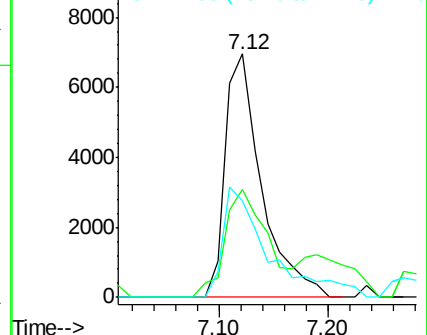
71 39.6 30.5 45.7



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: BF077126.D

Acq: 29 Jan 2015 16:04

Tgt Ion: 136 Resp: 102470

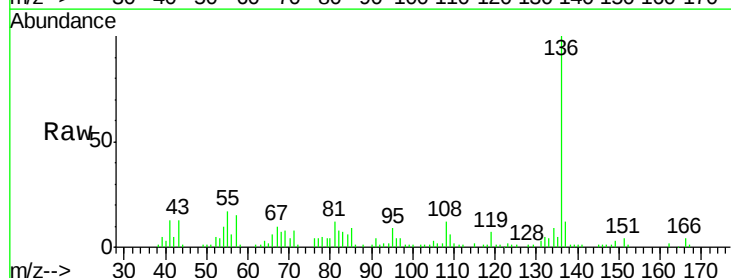
Ion Ratio Lower Upper

136 100

137 12.1 8.1 12.1

54 10.0 7.0 10.4

68 7.4 3.7 5.5#

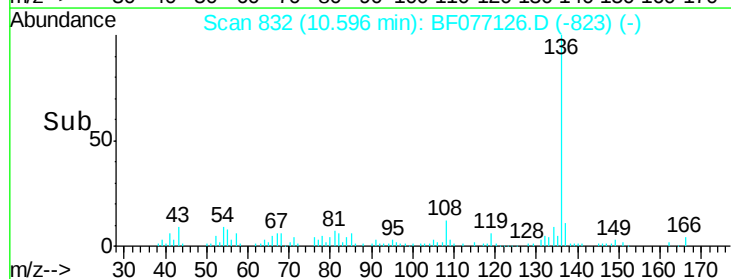
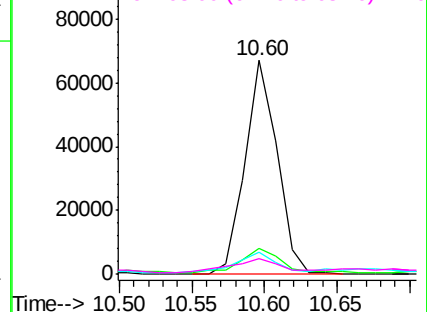


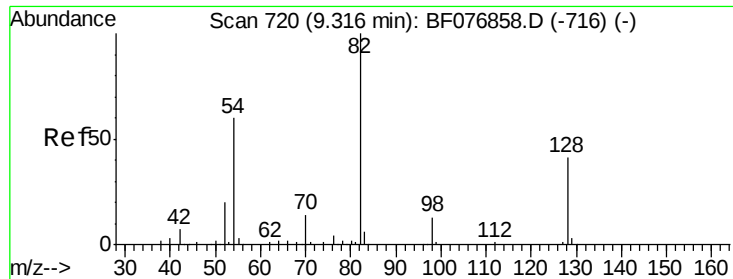
Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.89 ng

RT: 9.00 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

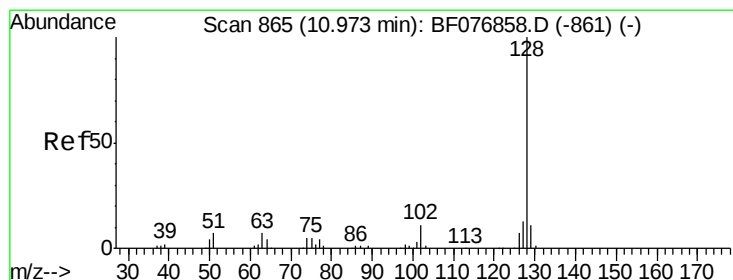
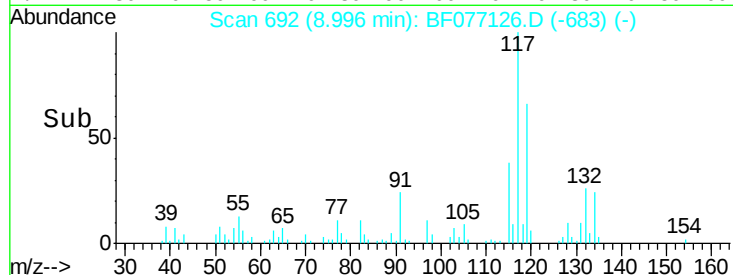
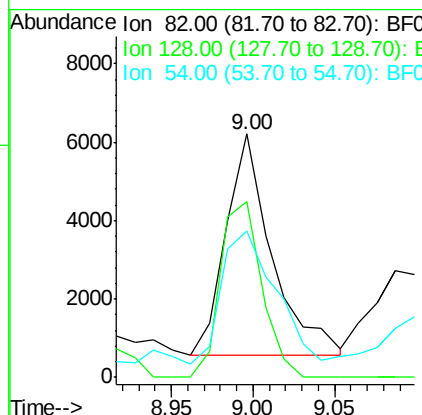
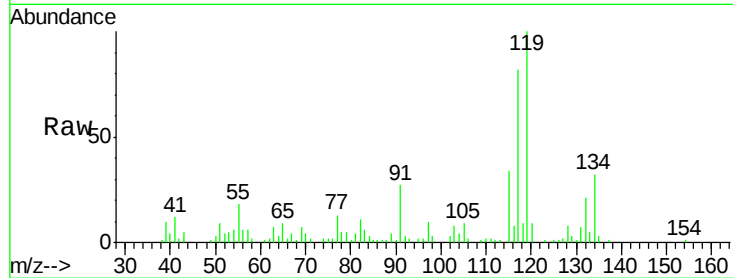
Instrument :

BNA_F

ClientSampleId :

104B2DL

Tgt Ion:	82	Resp:	10897
Ion Ratio	Lower	Upper	
82	100		
128	72.4	33.1	49.7#
54	59.9	48.3	72.5



#31

Naphthalene

Concen: 40.91 ng

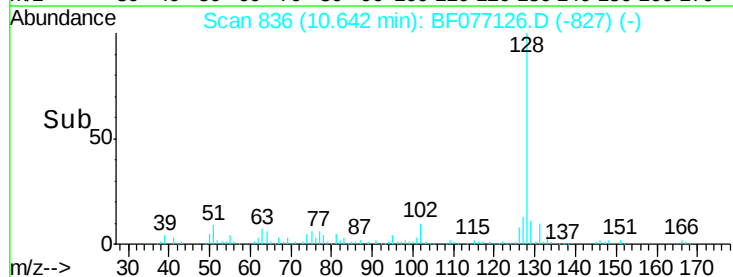
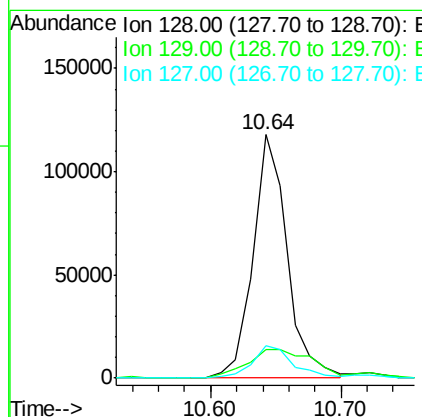
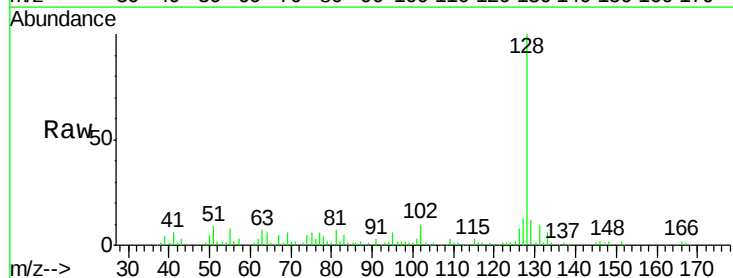
RT: 10.64 min Scan# 836

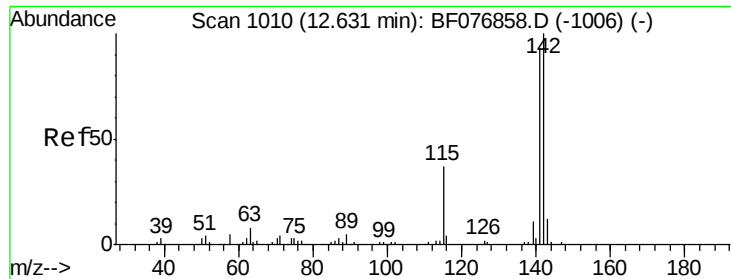
Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

Tgt Ion:	128	Resp:	215800
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.0	13.6
127	13.1	10.2	15.2

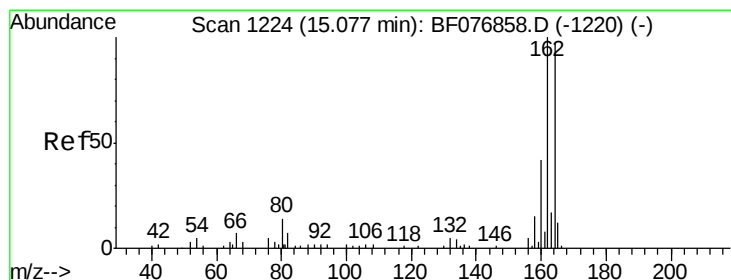
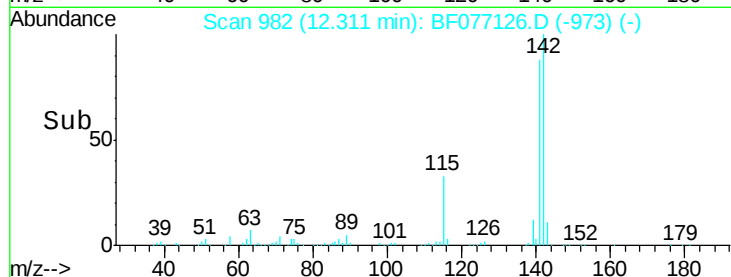
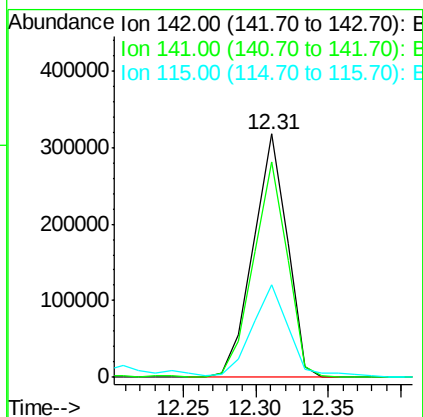
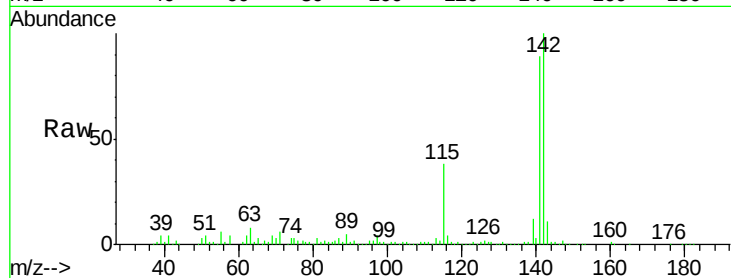




#37
2-Methylnaphthalene
Concen: 142.98 ng
RT: 12.31 min Scan# 982
Delta R.T. 0.00 min
Lab File: BF077126.D
Acq: 29 Jan 2015 16:04

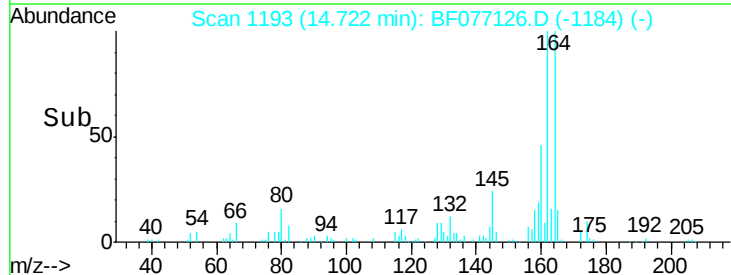
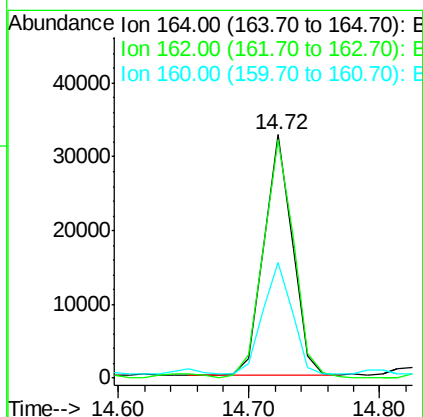
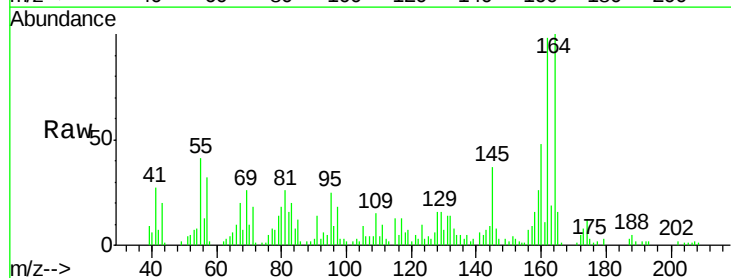
Instrument :
BNA_F
ClientSampleId :
104B2DL

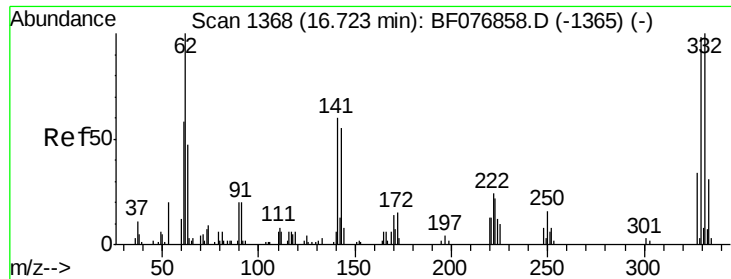
Tgt Ion:142 Resp: 515114
Ion Ratio Lower Upper
142 100
141 88.6 74.5 111.7
115 37.8 29.7 44.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.72 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BF077126.D
Acq: 29 Jan 2015 16:04

Tgt Ion:164 Resp: 50623
Ion Ratio Lower Upper
164 100
162 98.2 82.4 123.6
160 47.6 34.8 52.2





#41

2,4,6-Tribromophenol

Concen: 8.01 ng

RT: 16.46 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

Instrument :

BNA_F

ClientSampleId :

104B2DL

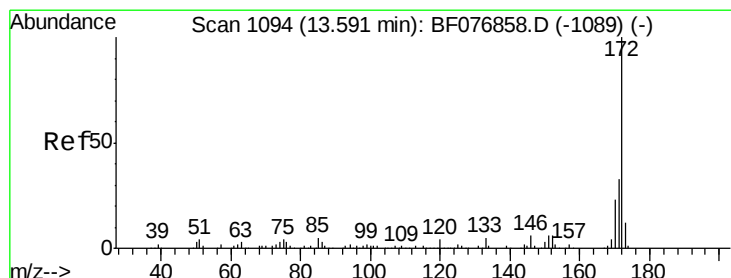
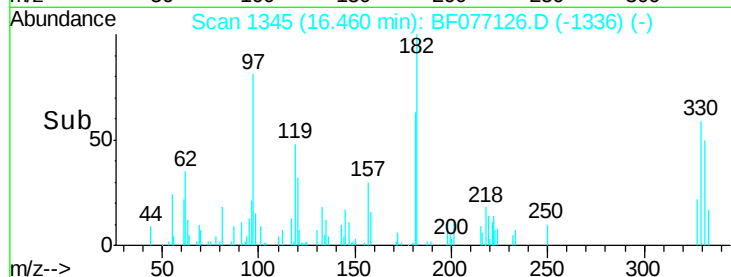
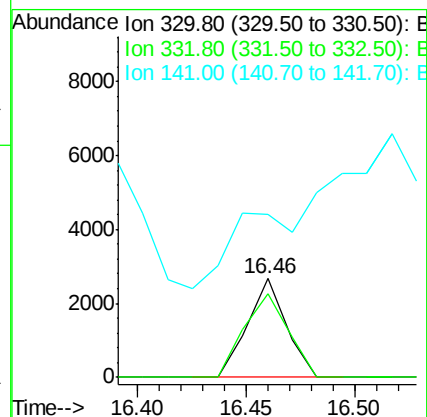
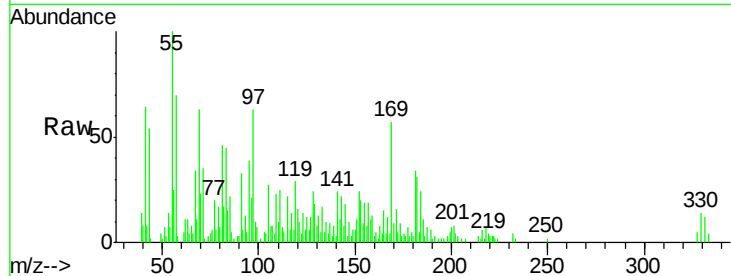
Tgt Ion:330 Resp: 3292

Ion Ratio Lower Upper

330 100

332 96.9 77.8 116.6

141 0.0 38.5 57.7#



#44

2-Fluorobiphenyl

Concen: 5.75 ng

RT: 13.25 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

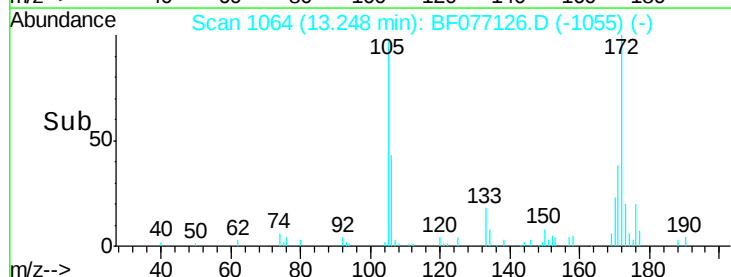
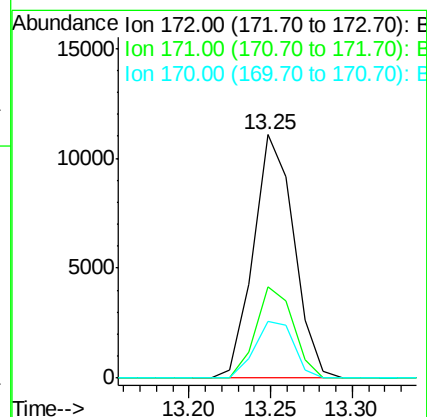
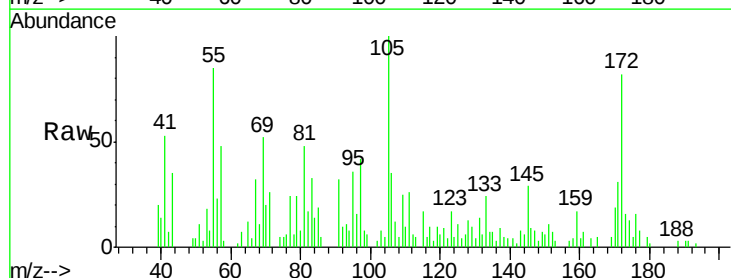
Tgt Ion:172 Resp: 19127

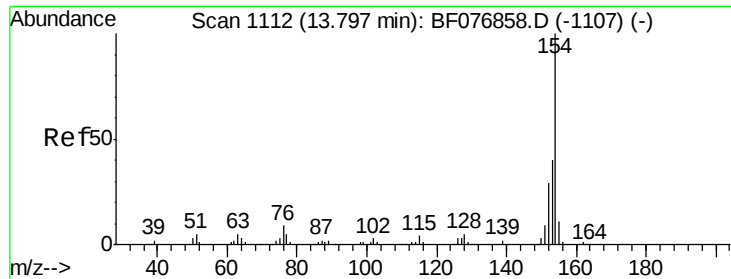
Ion Ratio Lower Upper

172 100

171 37.7 26.6 40.0

170 23.5 18.0 27.0

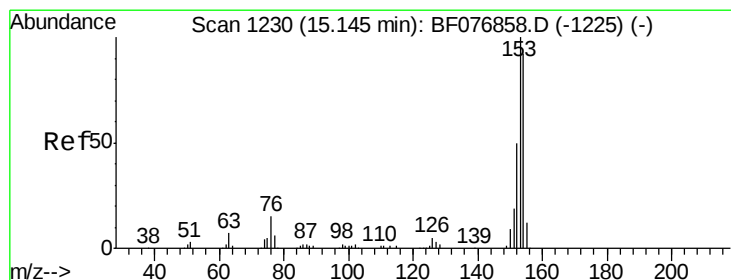
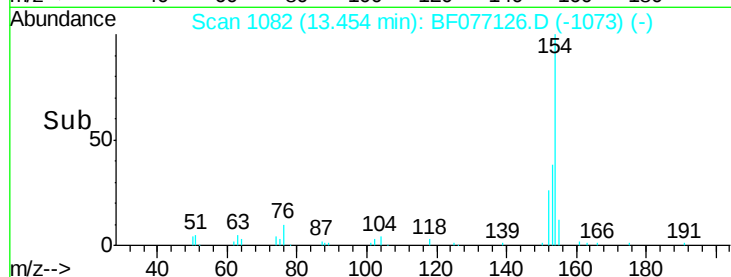
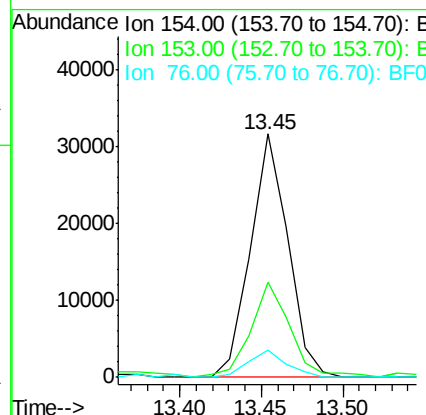
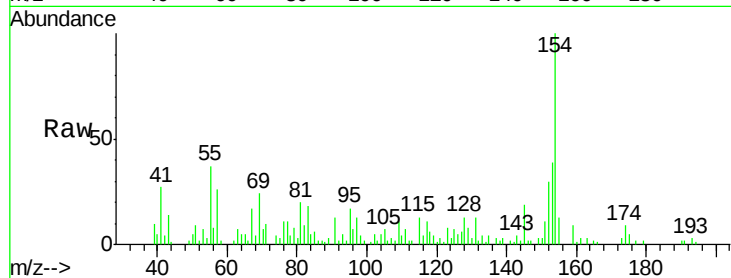




#45
 1,1'-Biphenyl
 Concen: 13.48 ng
 RT: 13.45 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: BF077126.D
 Acq: 29 Jan 2015 16:04

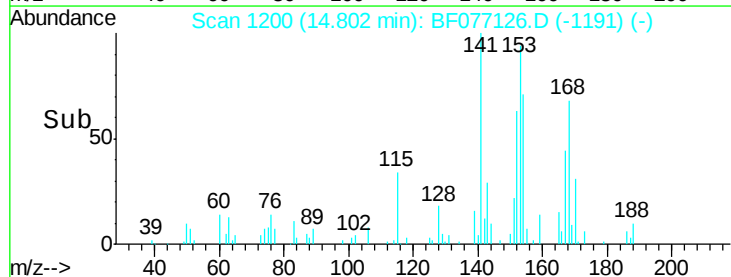
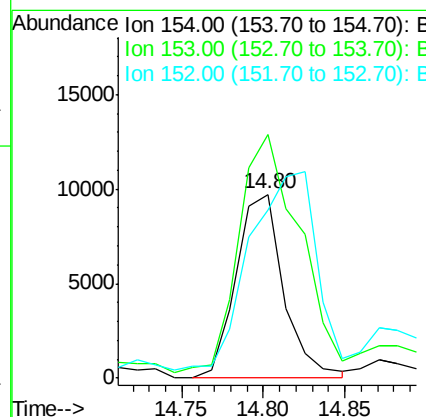
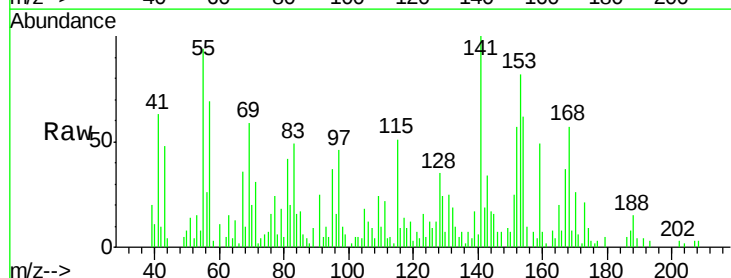
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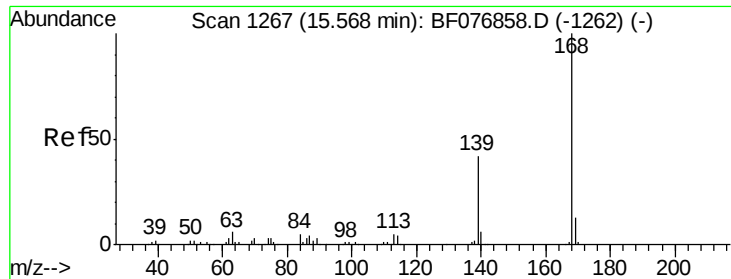
Tgt Ion:154 Resp: 50578
 Ion Ratio Lower Upper
 154 100
 153 39.2 20.2 60.2
 76 11.0 0.0 29.0



#51
 Acenaphthene
 Concen: 6.67 ng
 RT: 14.80 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF077126.D
 Acq: 29 Jan 2015 16:04

Tgt Ion:154 Resp: 19708
 Ion Ratio Lower Upper
 154 100
 153 132.3 87.0 130.6#
 152 91.1 43.5 65.3#





#54

Dibenzenofuran

Concen: 4.16 ng

RT: 15.23 min Scan# 1237

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

Instrument :

BNA_F

ClientSampleId :

104B2DL

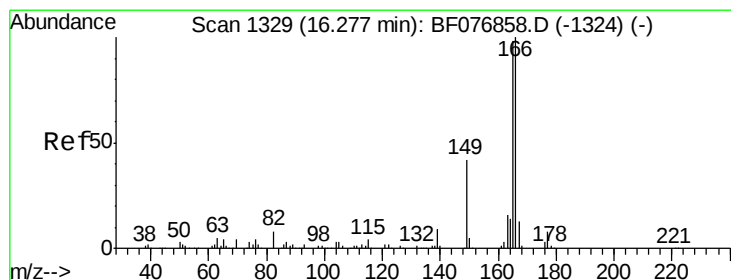
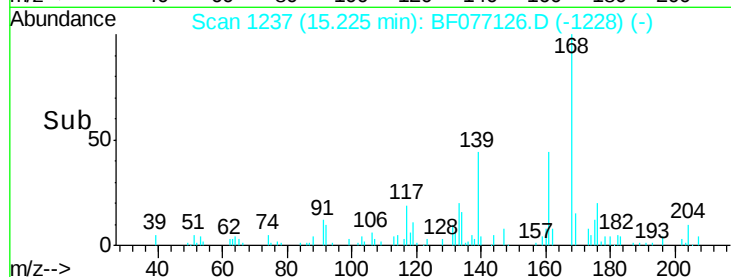
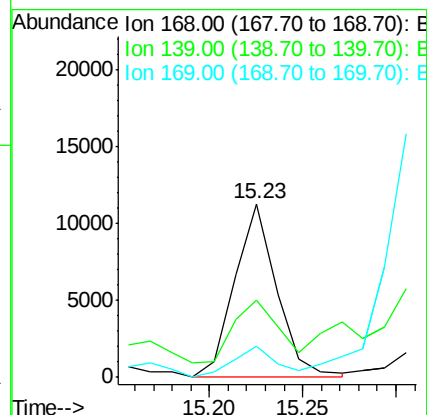
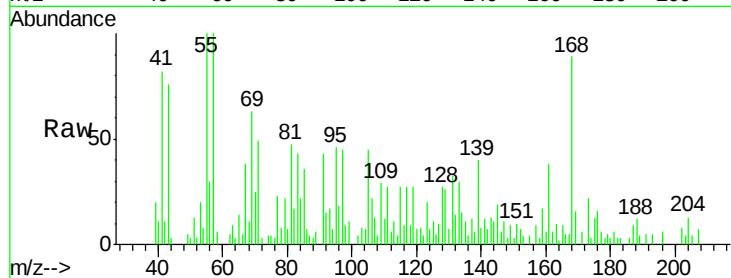
Tgt Ion:168 Resp: 17931

Ion Ratio Lower Upper

168 100

139 44.3 33.4 50.2

169 17.7 10.6 15.8#



#57

Fluorene

Concen: 11.95 ng

RT: 15.98 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

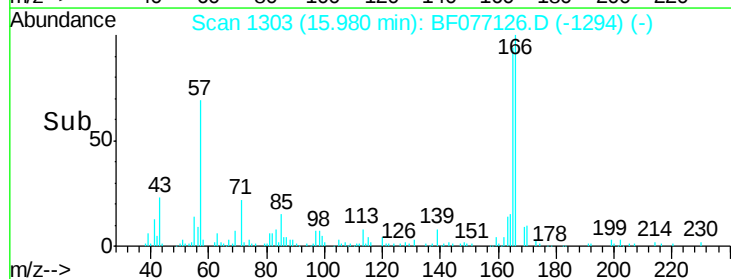
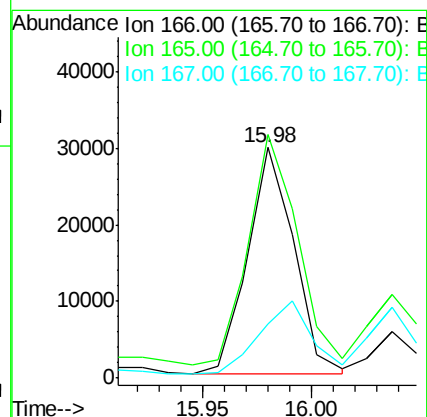
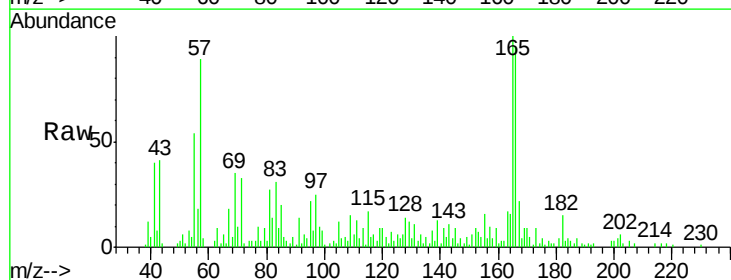
Tgt Ion:166 Resp: 43581

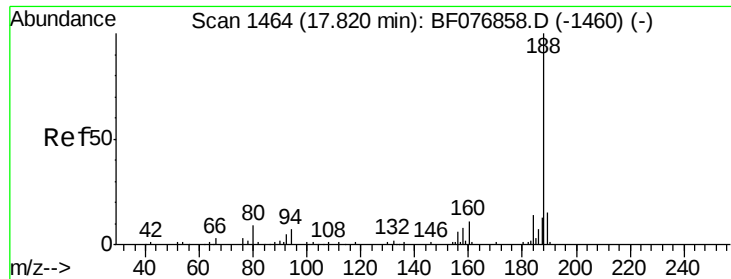
Ion Ratio Lower Upper

166 100

165 105.6 78.5 117.7

167 23.6 10.4 15.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.58 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

Instrument :

BNA_F

ClientSampleId :

104B2DL

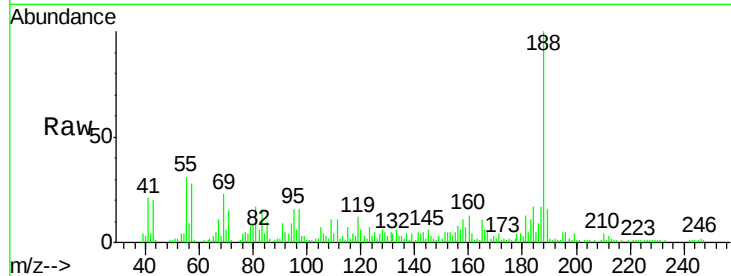
Tgt Ion:188 Resp: 87880

Ion Ratio Lower Upper

188 100

94 8.5 6.0 9.0

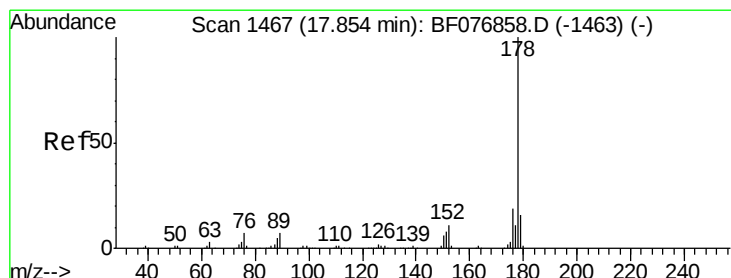
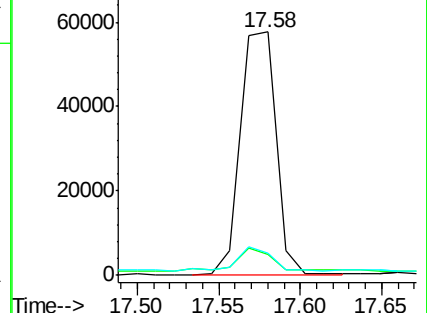
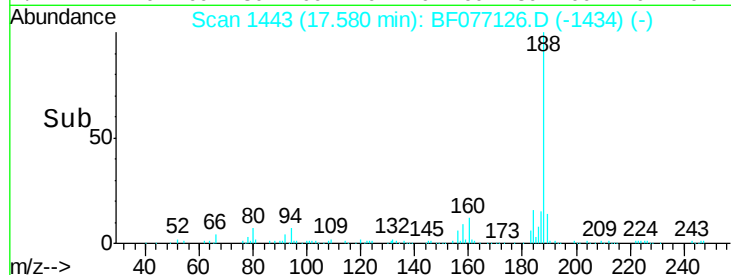
80 9.1 6.9 10.3



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: 25.67 ng

RT: 17.61 min Scan# 1446

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

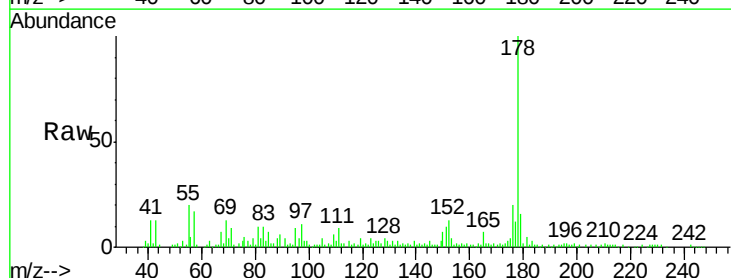
Tgt Ion:178 Resp: 140658

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

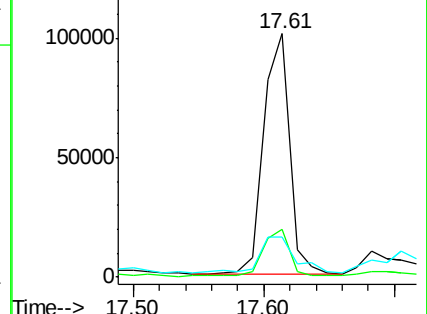
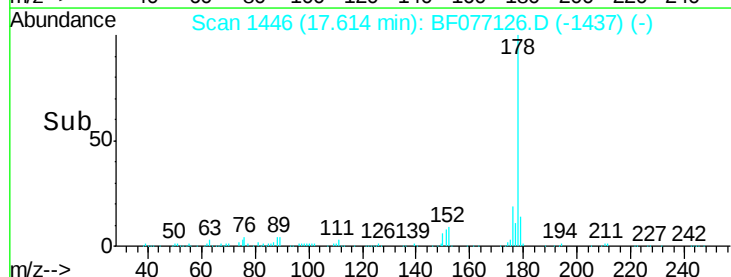
179 16.5 12.7 19.1

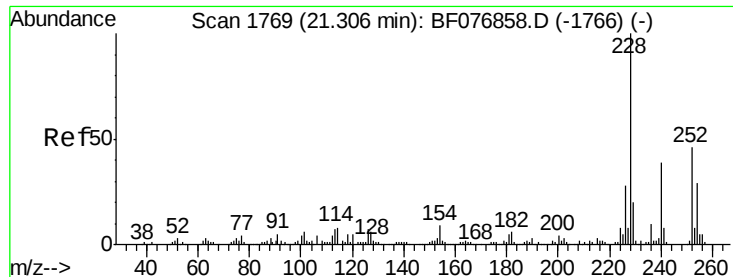


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.08 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

Instrument :

BNA_F

ClientSampleId :

104B2DL

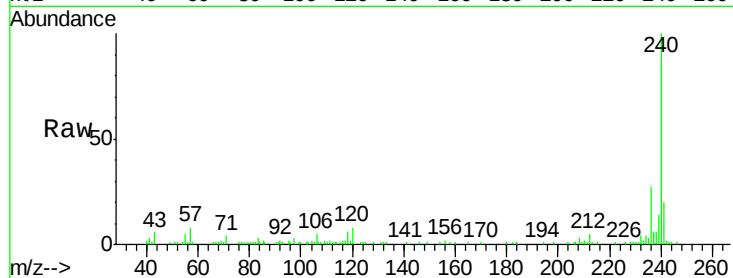
Tgt Ion:240 Resp: 83897

Ion Ratio Lower Upper

240 100

120 7.8 10.4 15.6#

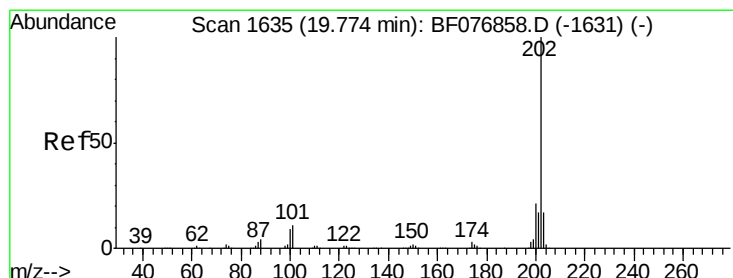
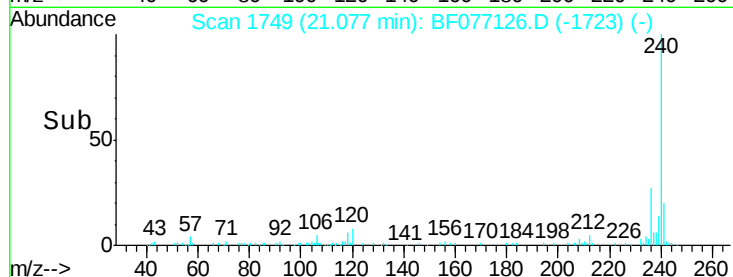
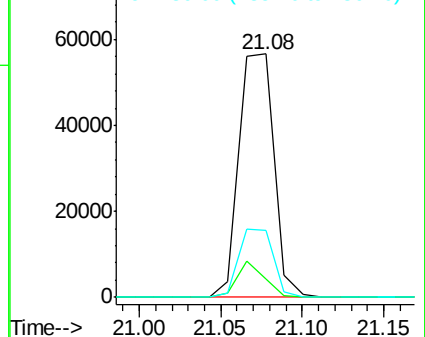
236 27.4 20.2 30.2



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



#77

Pyrene

Concen: 4.50 ng

RT: 19.55 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

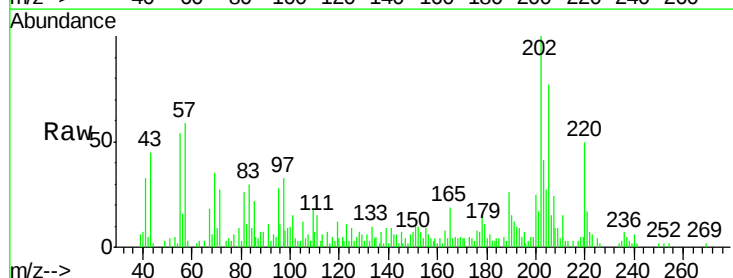
Tgt Ion:202 Resp: 25884

Ion Ratio Lower Upper

202 100

200 25.0 16.7 25.1

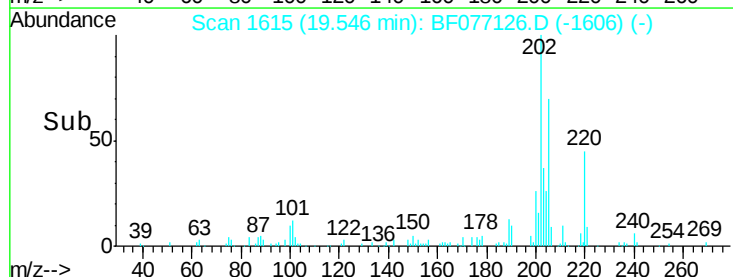
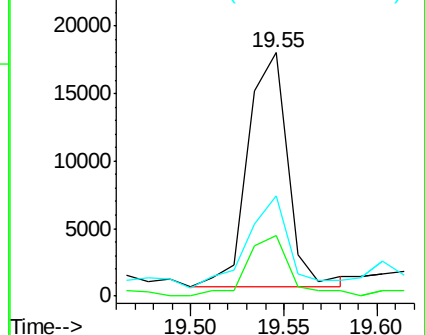
203 40.9 14.0 21.0#

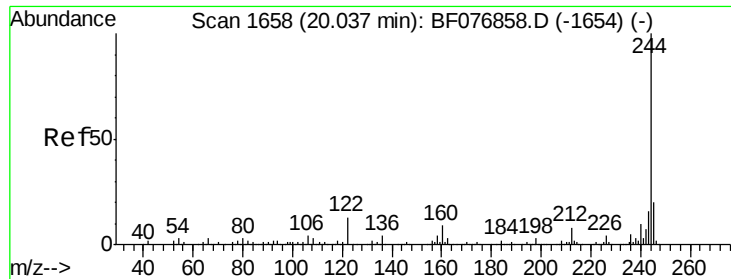


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.17 ng

RT: 19.81 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

Instrument :

BNA_F

ClientSampleId :

104B2DL

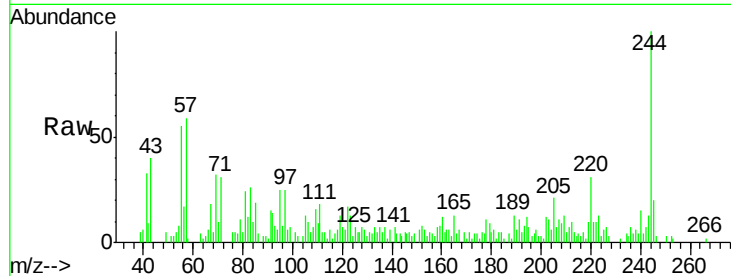
Tgt Ion:244 Resp: 18850

Ion Ratio Lower Upper

244 100

212 9.9 6.3 9.5#

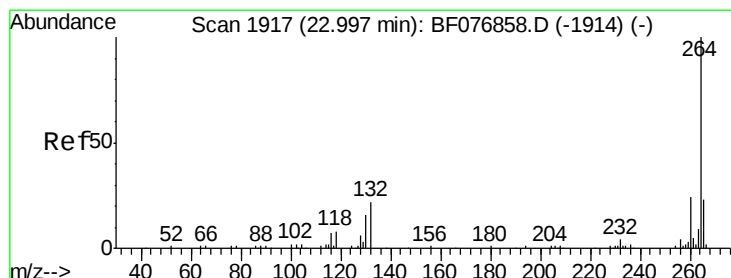
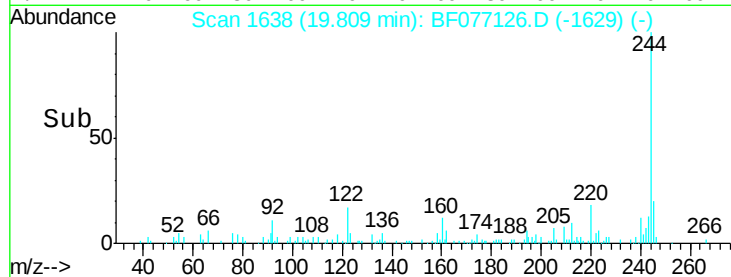
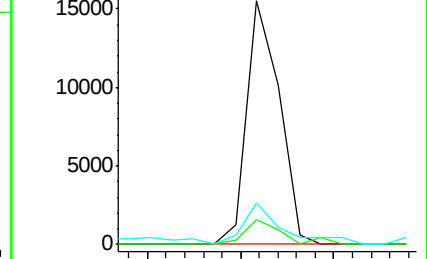
122 17.0 10.1 15.1#



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: 22.75 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BF077126.D

Acq: 29 Jan 2015 16:04

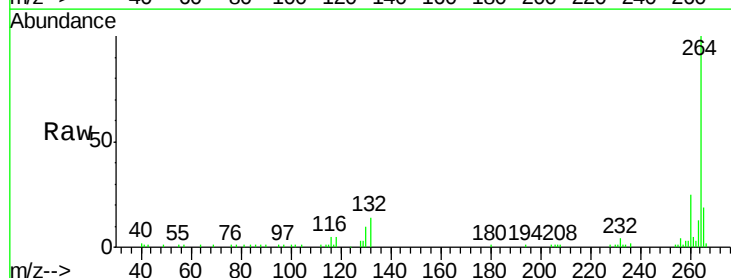
Tgt Ion:264 Resp: 84547

Ion Ratio Lower Upper

264 100

260 25.2 19.0 28.4

265 19.4 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

