

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098157.D
 Acq On : 30 Aug 2017 14:02
 Operator : SJ/JU
 Sample : I4979-04DL 100X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4DL

Quant Time: Aug 30 15:02:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

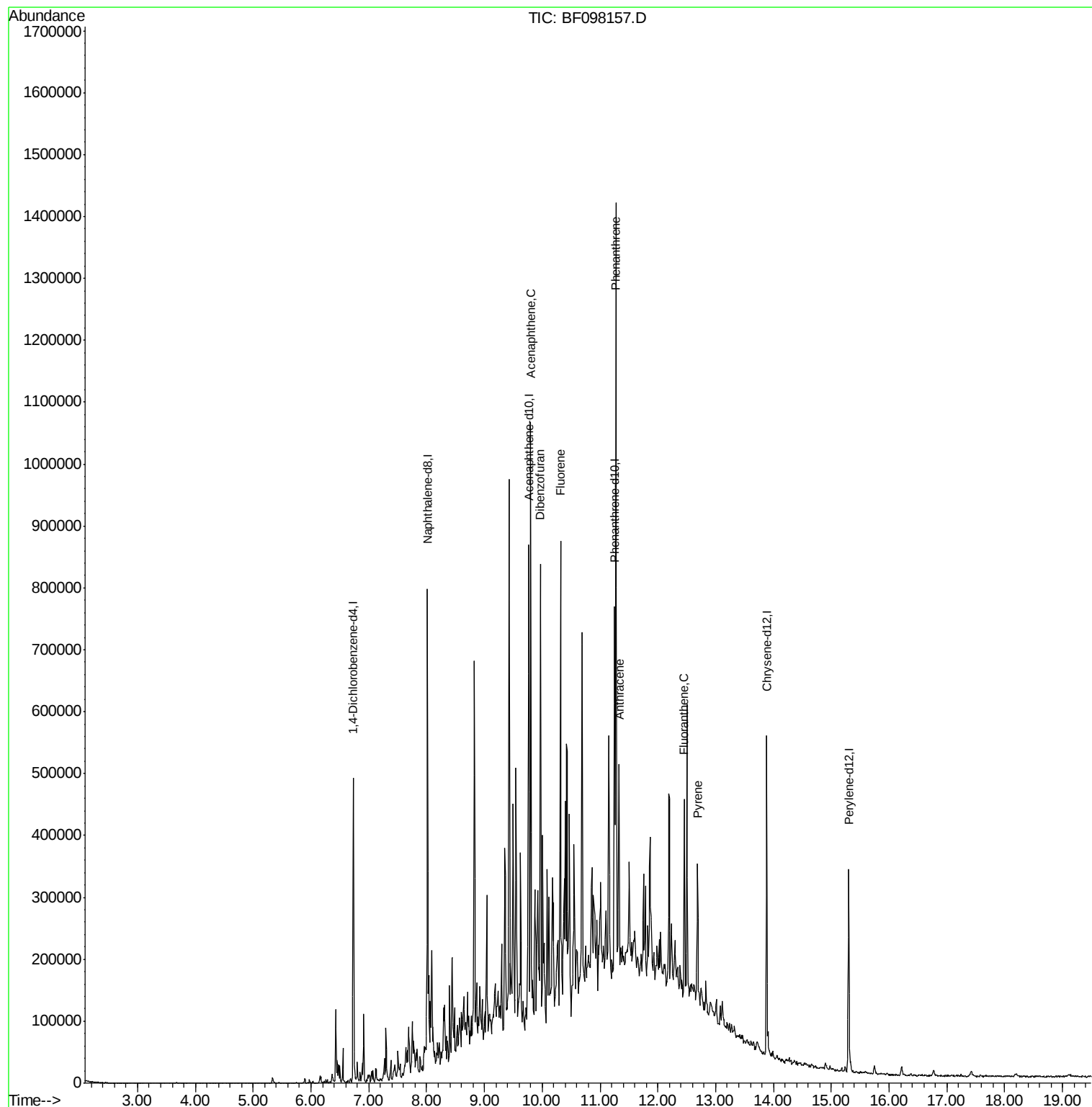
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	76576	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	306533	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	128218	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	199330	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	162770	20.00	ng	-0.02
86) Perylene-d12	15.30	264	144487	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	5670	1.13	ng	-0.02
7) Phenol-d6	6.36	99	8897	1.30	ng	-0.02
23) Nitrobenzene-d5	7.29	82	6434	1.14	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	764	0.69	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	9331	1.07	ng	-0.02
78) Terphenyl-d14	12.83	244	5563	0.71	ng	-0.02
Target Compounds						
51) Acenaphthene	9.80	154	183633	21.462	ng	99
54) Dibenzofuran	9.97	168	173548	15.134	ng	# 96
57) Fluorene	10.32	166	173959	19.621	ng	98
70) Phenanthrene	11.27	178	397862	37.457	ng	99
71) Anthracene	11.33	178	121411	11.270	ng	100
74) Fluoranthene	12.46	202	113211	10.212	ng	98
77) Pyrene	12.69	202	85102	6.393	ng	98

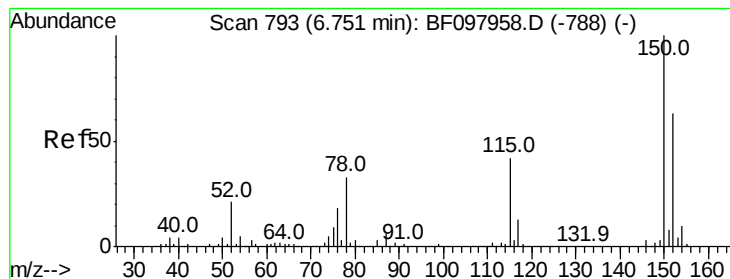
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



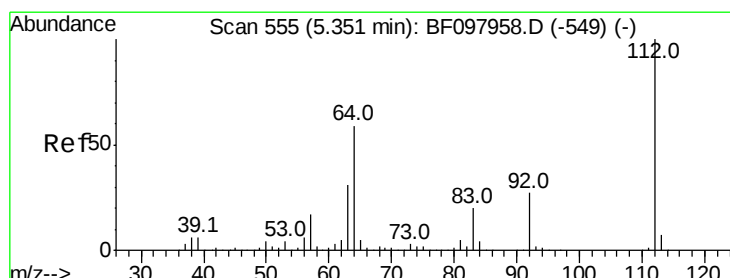
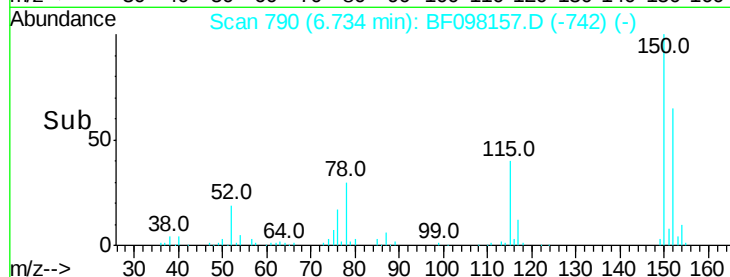
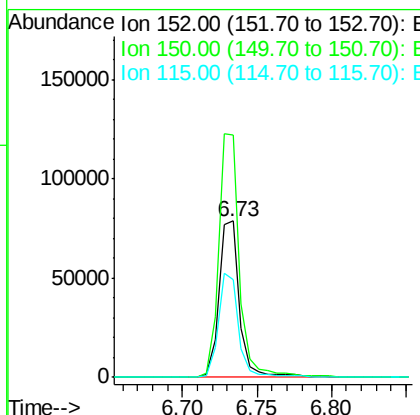
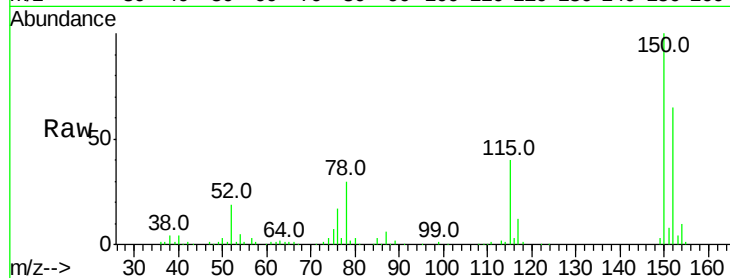


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 TP-4DL

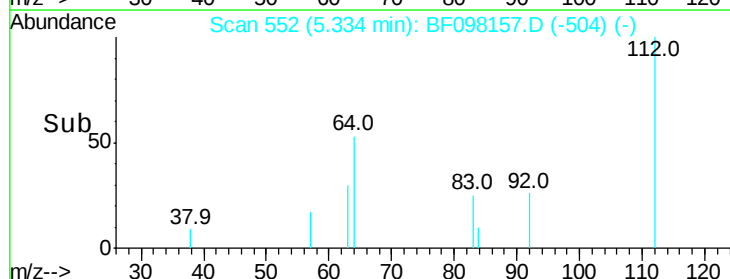
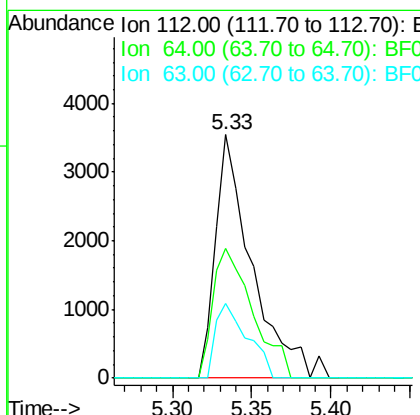
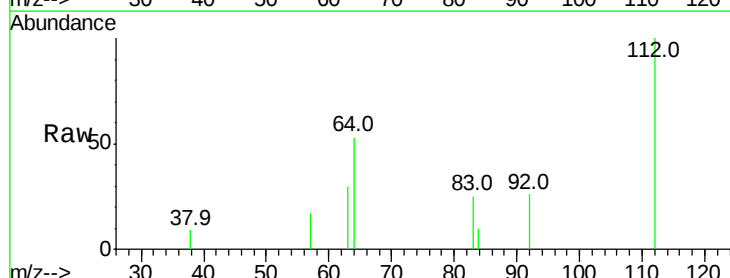
Tot Ion:152 Resp: 76576
 Ion Ratio Lower Upper
 152 100
 150 154.8 126.2 189.2
 115 62.6 52.2 78.2

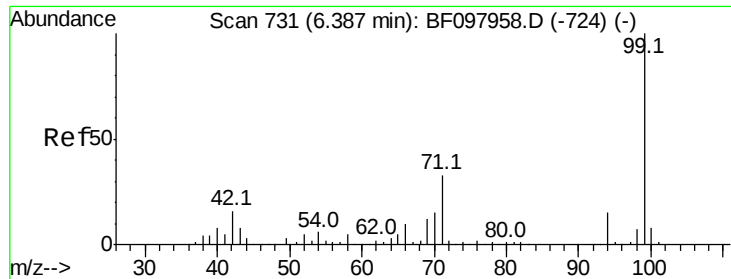


#5

2-Fluorophenol
 Concen: 1.126 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.02 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Tgt Ion:112 Resp: 5670
 Ion Ratio Lower Upper
 112 100
 64 53.2 46.0 69.0
 63 30.4 23.4 35.0





#7

Phenol-d6

Concen: 1.301 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampleId :

TP-4DL

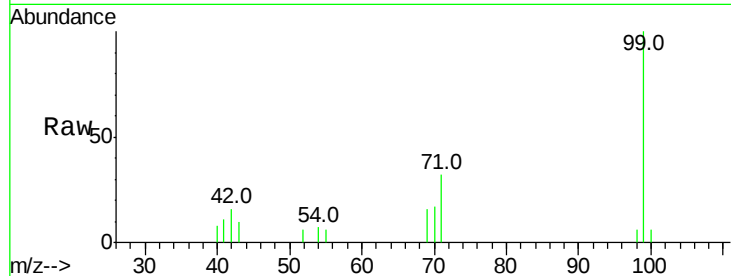
Tot Ion: 99 Resp: 8897

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

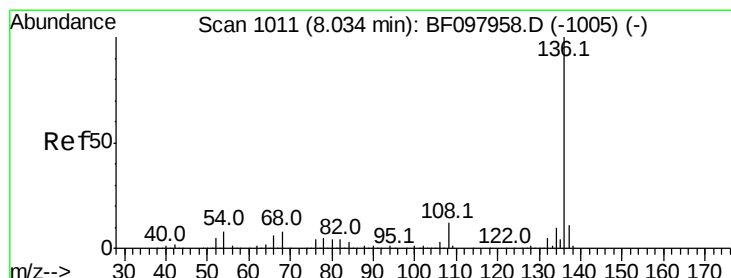
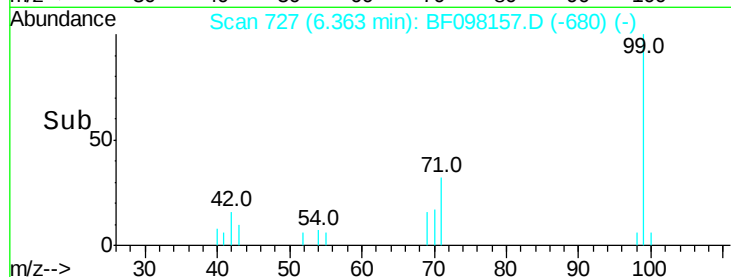
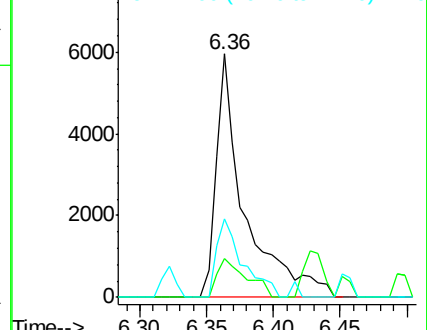
71 32.3 24.5 36.7



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: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Tgt Ion: 136 Resp: 306533

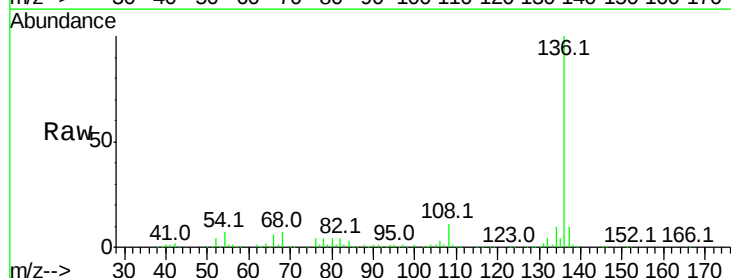
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.1 4.9 7.3

68 6.9 4.1 6.1#

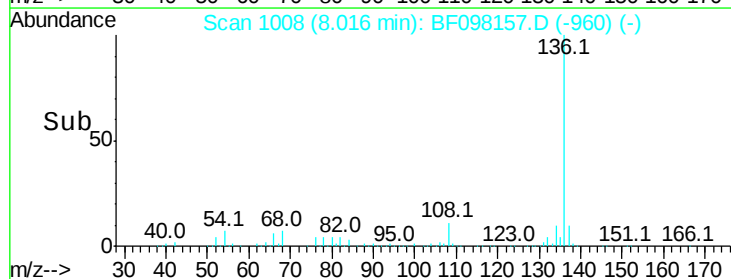
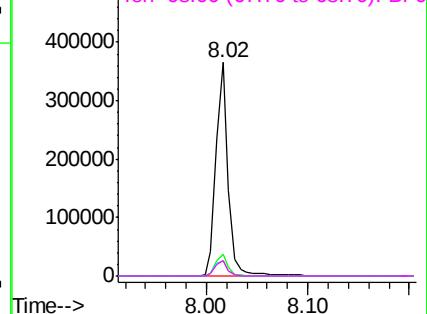


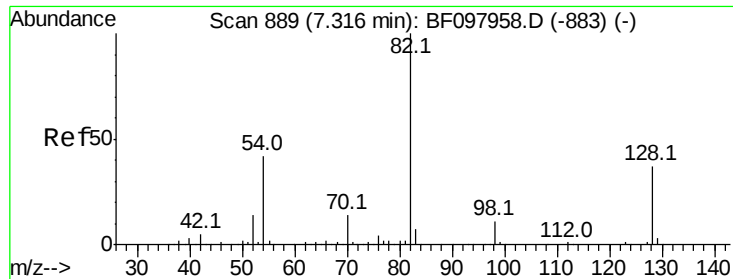
Abundance Ion 136.00 (135.70 to 136.70): E

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

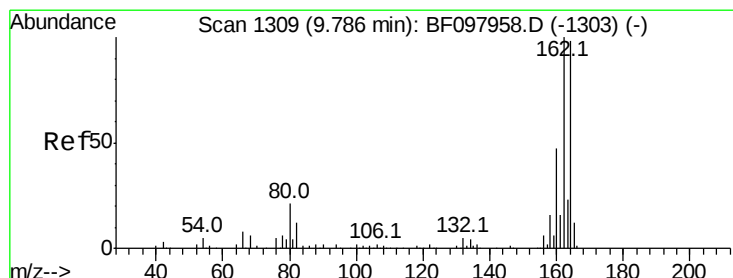
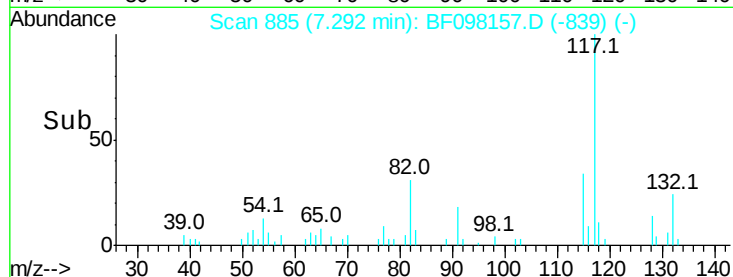
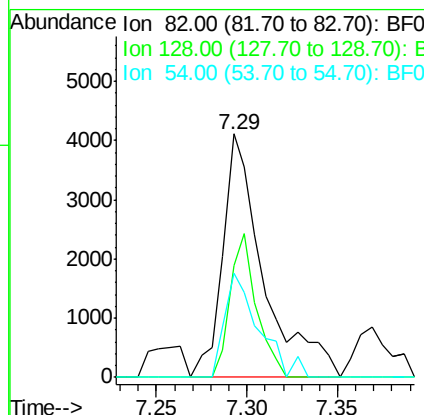
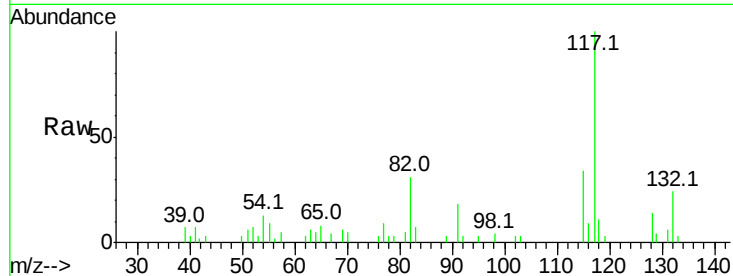




#23
 Nitrobenzene-d5
 Concen: 1.140 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

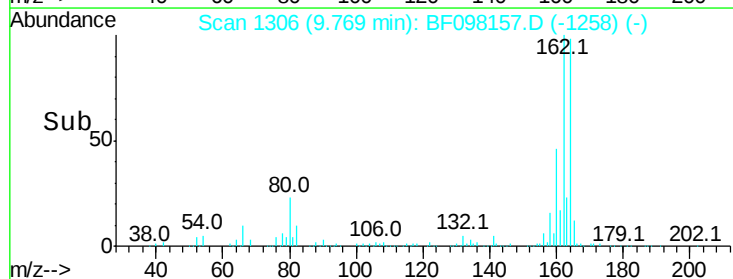
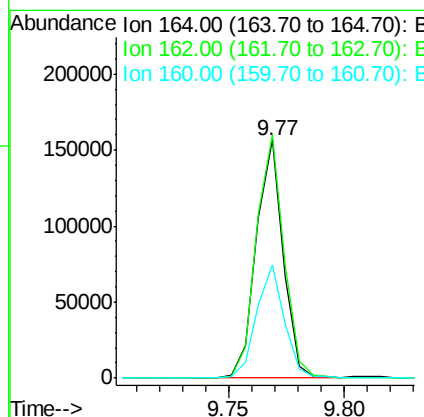
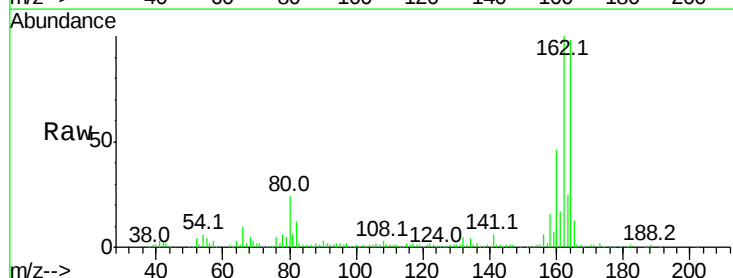
Instrument :
 BNA_F
 ClientSampleId :
 TP-4DL

Tot Ion: 82 Resp: 6434
 Ion Ratio Lower Upper
 82 100
 128 46.0 34.0 51.0
 54 42.6 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Tgt Ion:164 Resp: 128218
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.6 123.8
 160 47.2 36.2 54.2

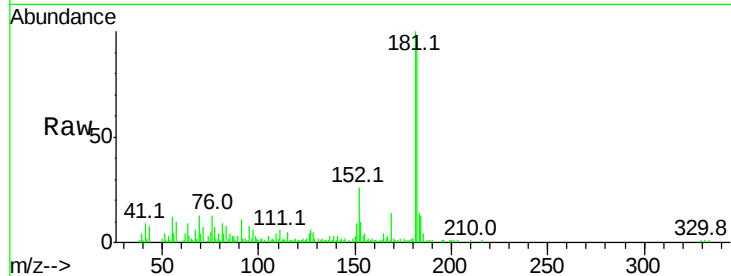




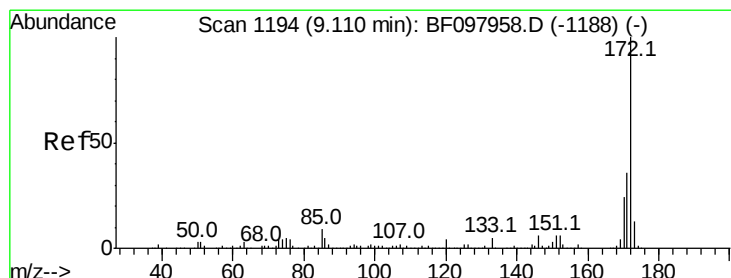
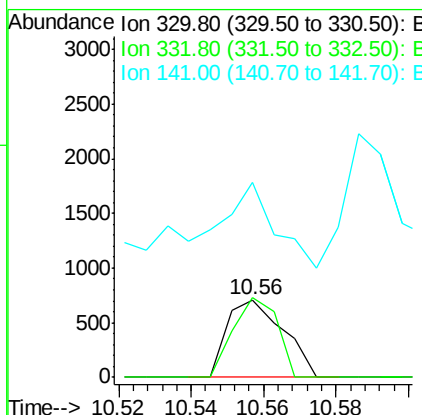
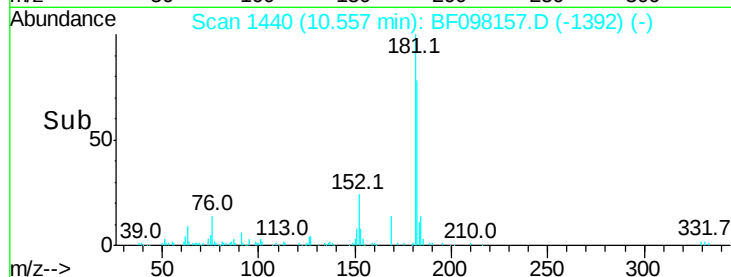
#41
 2,4,6-Tribromophenol
 Concen: 0.687 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Instrument :
 BNA_F
 ClientSampled :
 TP-4DL

Tot Ion:330 Resp: 764
 Ion Ratio Lower Upper
 330 100
 332 81.2 76.6 115.0
 141 130.9 31.4 47.2#

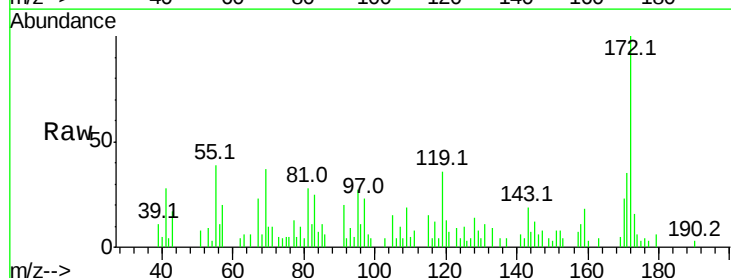


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

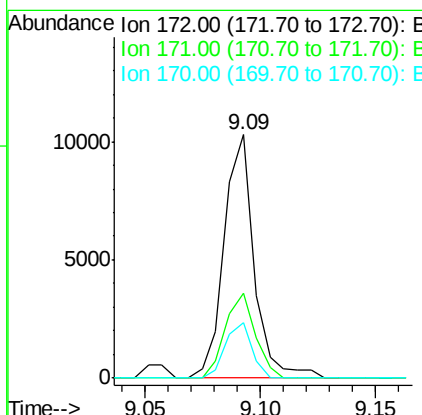
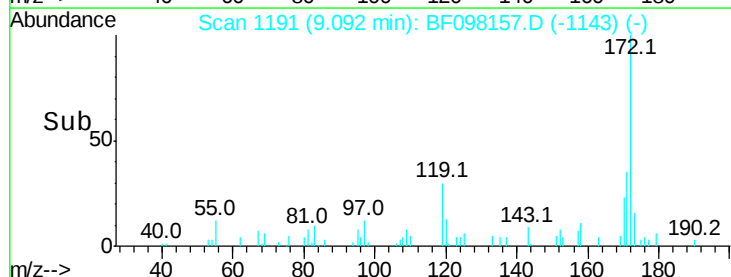


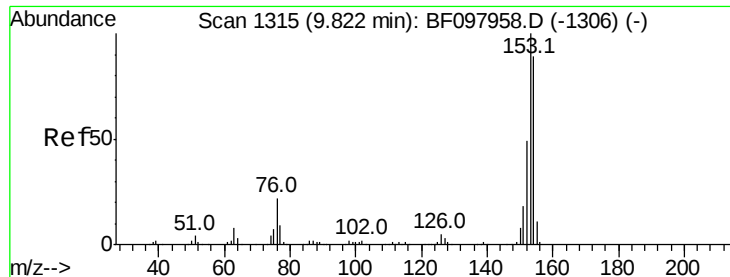
#44
 2-Fluorobiphenyl
 Concen: 1.069 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Tgt Ion:172 Resp: 9331
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 22.9 19.8 29.8



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





#51

Acenaphthene

Concen: 21.462 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampleId :

TP-4DL

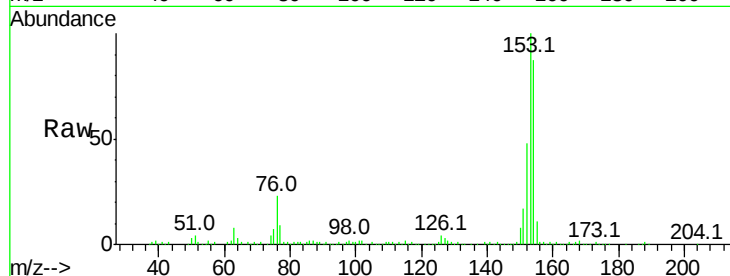
Tot Ion:154 Resp: 183633

Ion Ratio Lower Upper

154 100

153 115.0 90.5 135.7

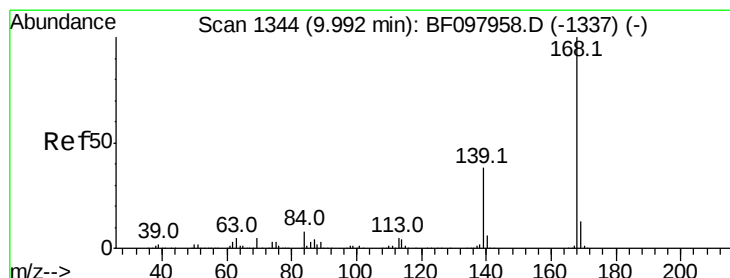
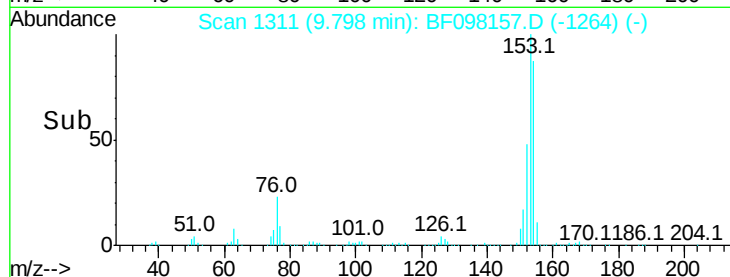
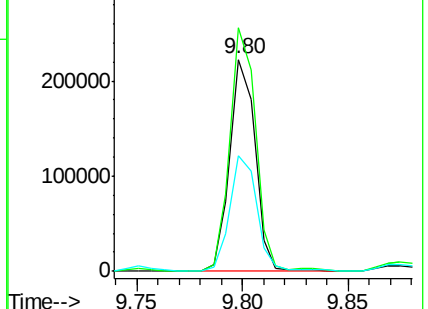
152 54.9 43.6 65.4



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



#54

Dibenzofuran

Concen: 15.134 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

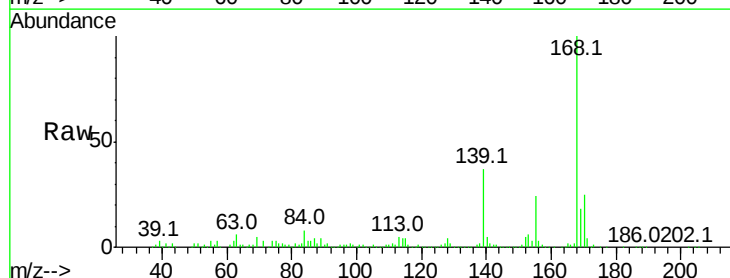
Tgt Ion:168 Resp: 173548

Ion Ratio Lower Upper

168 100

139 37.3 30.6 45.8

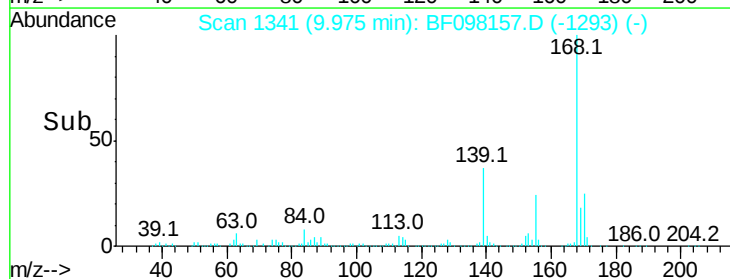
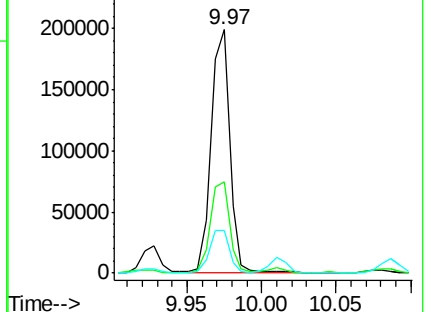
169 17.7 10.8 16.2#

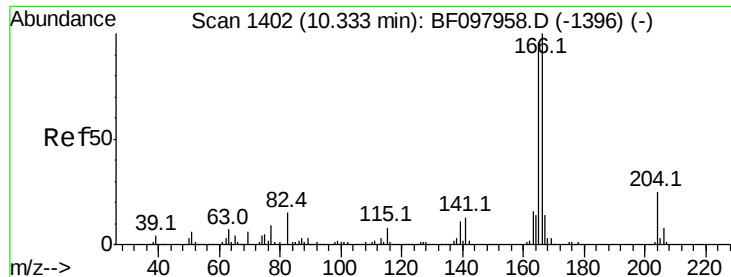


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 19.621 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampled :

TP-4DL

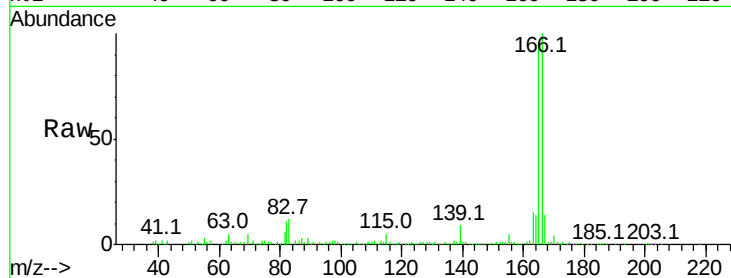
Tot Ion:166 Resp: 173959

Ion Ratio Lower Upper

166 100

165 96.4 78.8 118.2

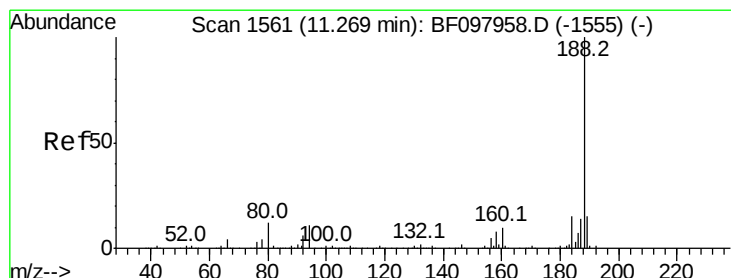
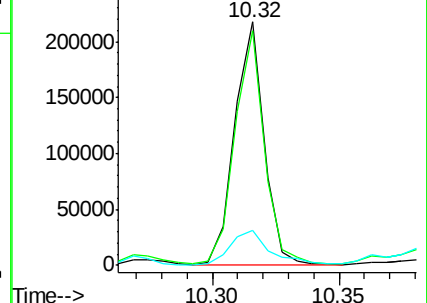
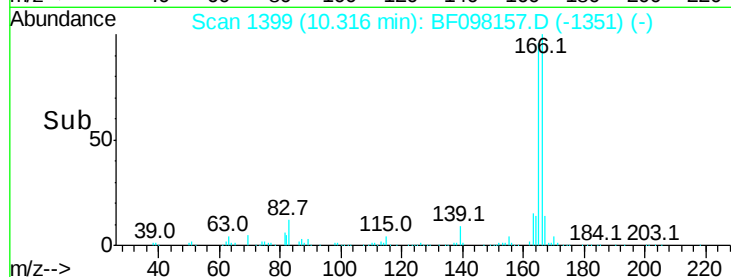
167 14.4 10.6 16.0



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: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

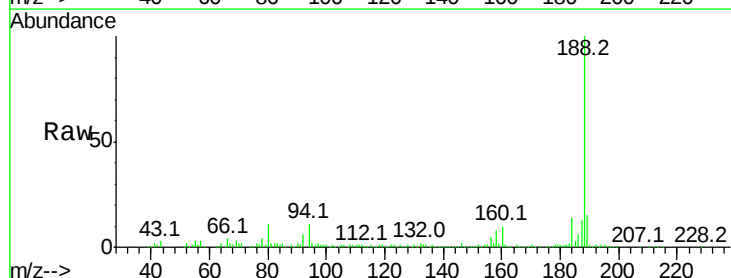
Tgt Ion:188 Resp: 199330

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

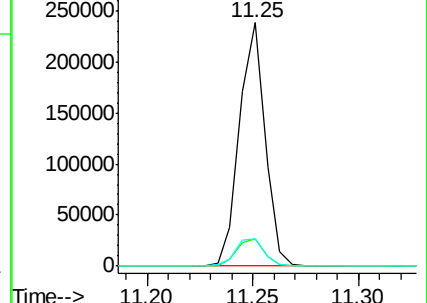
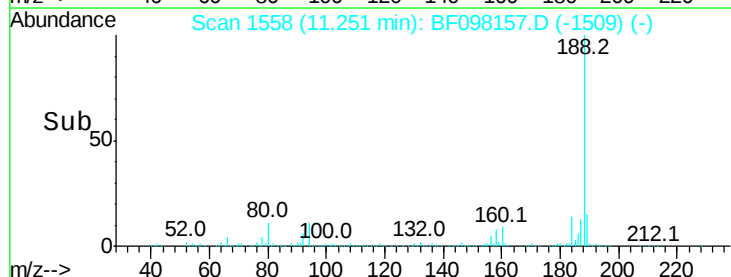
80 11.4 10.2 15.2

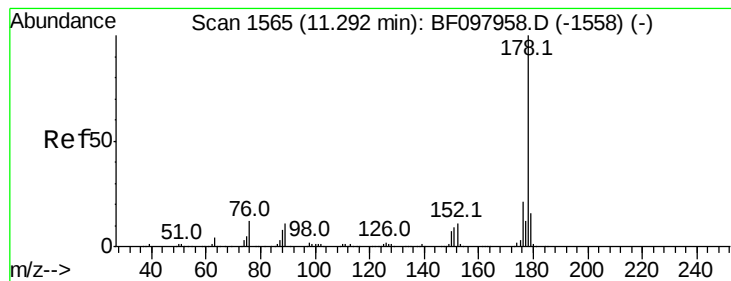


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 37.457 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

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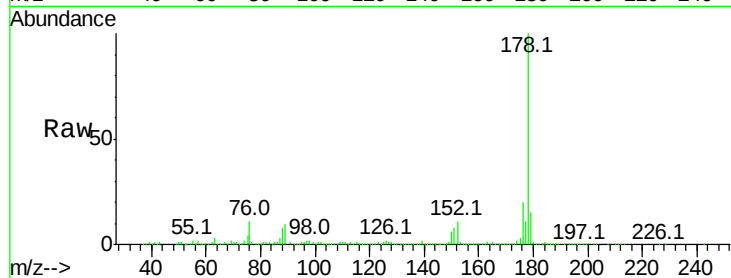
Tot Ion:178 Resp: 397862

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

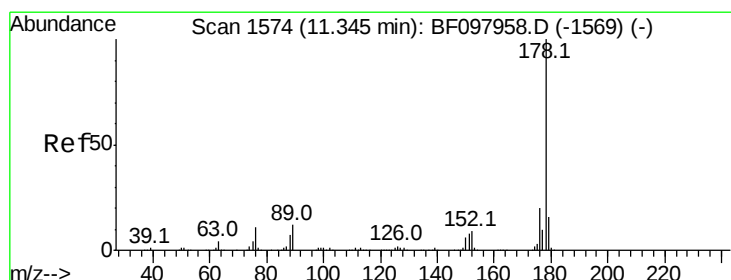
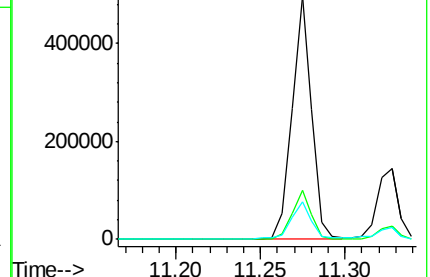
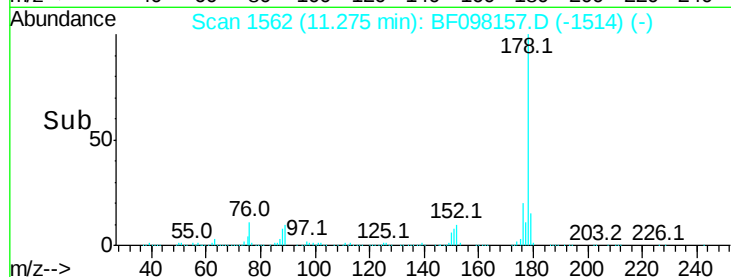
179 15.3 12.6 19.0



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



#71

Anthracene

Concen: 11.270 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

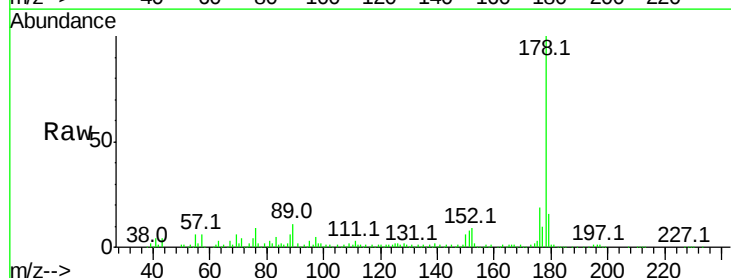
Tgt Ion:178 Resp: 121411

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

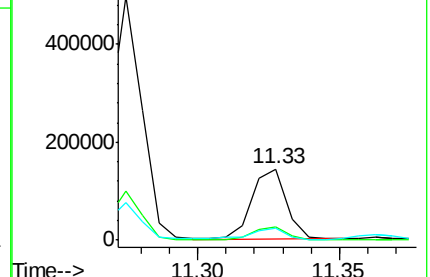
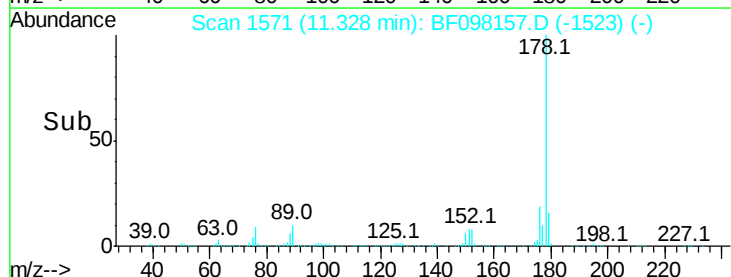
179 15.9 12.7 19.1

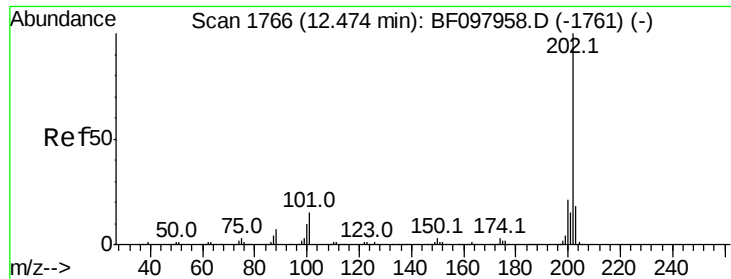


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.212 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampleId :

TP-4DL

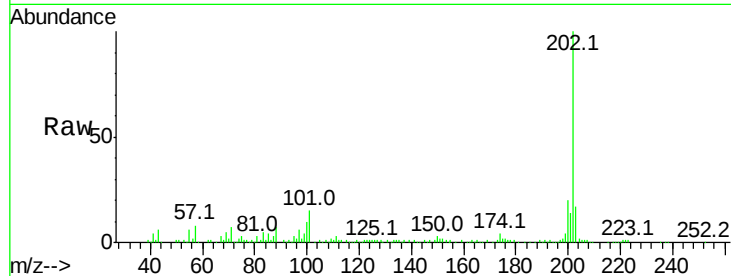
Tot Ion:202 Resp: 113211

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

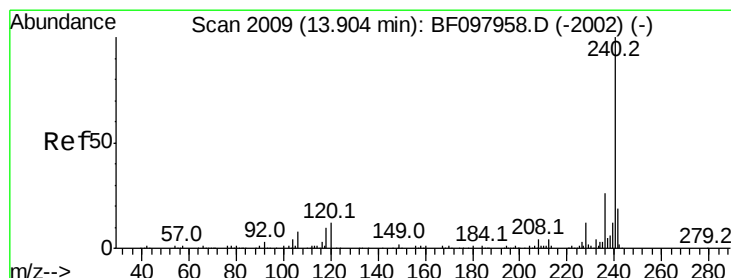
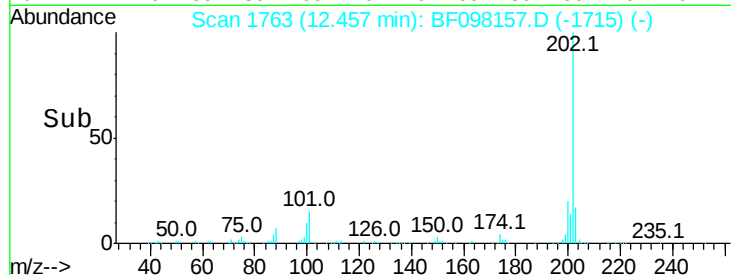
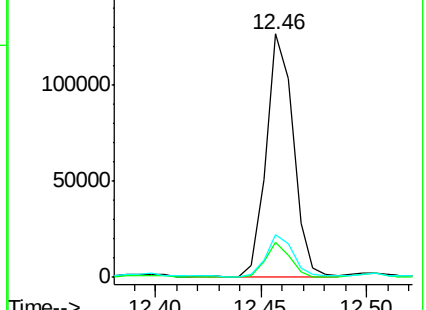
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

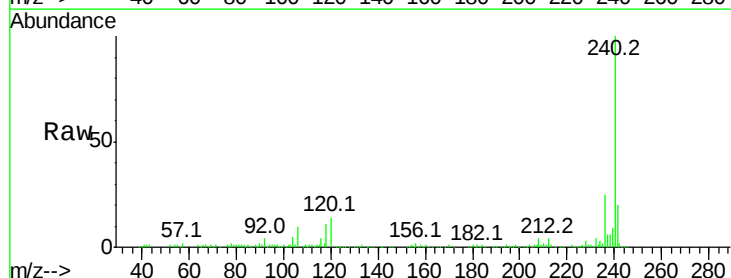
Tgt Ion:240 Resp: 162770

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

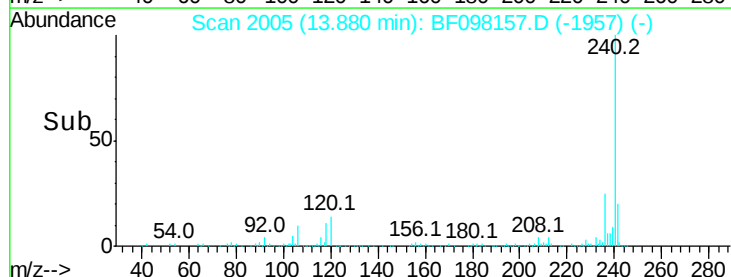
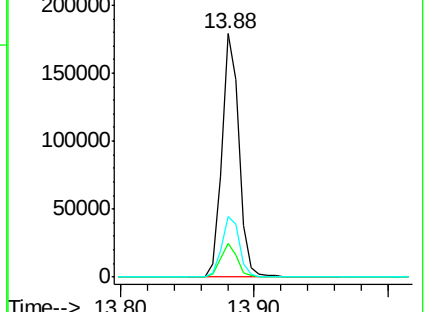
236 25.0 20.5 30.7

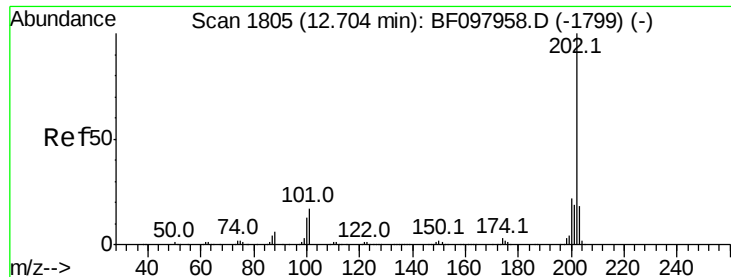


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.393 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

Instrument :

BNA_F

ClientSampleId :

TP-4DL

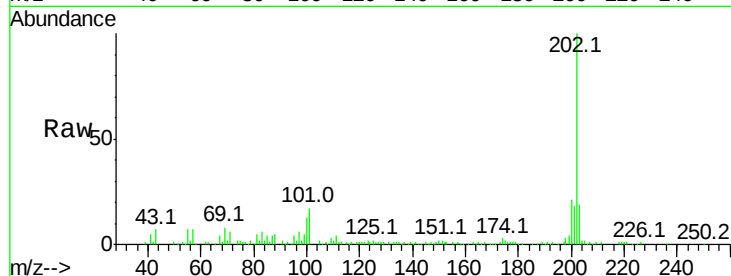
Tot Ion:202 Resp: 85102

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

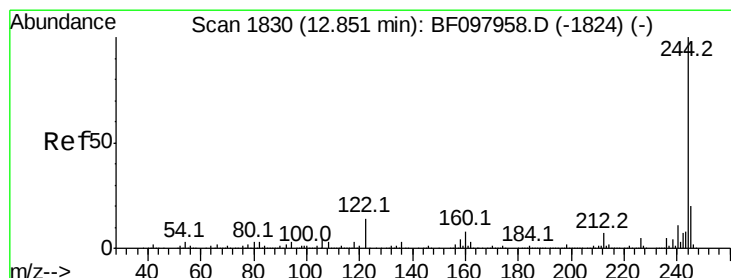
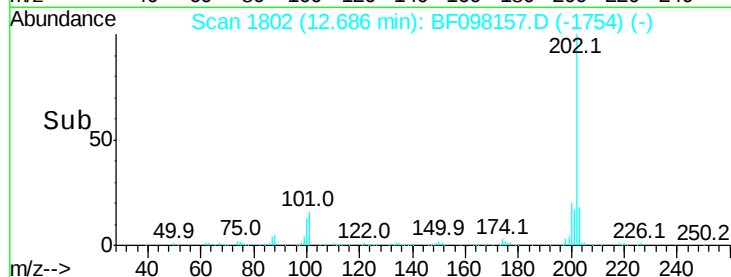
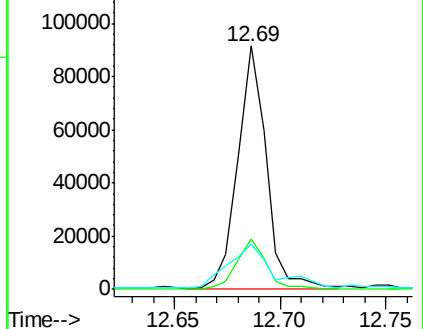
203 18.6 14.4 21.6



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: 0.713 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF098157.D

Acq: 30 Aug 2017 14:02

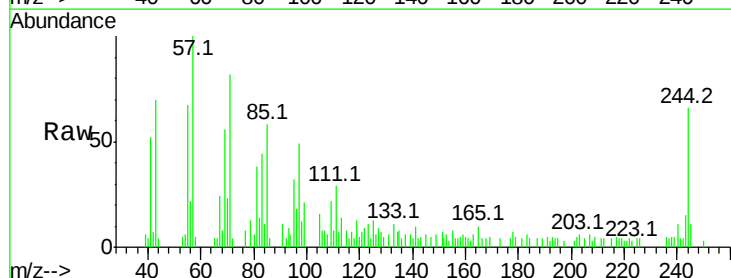
Tgt Ion:244 Resp: 5563

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

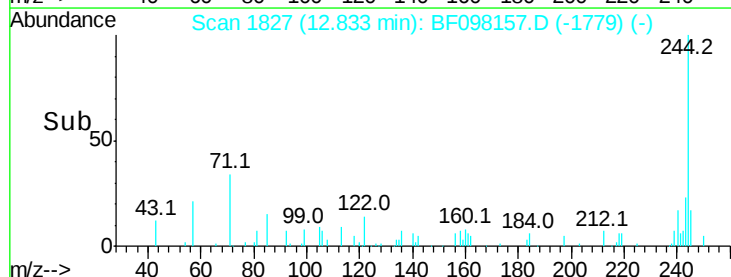
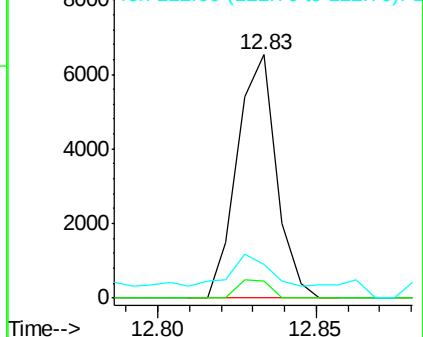
122 13.9 10.3 15.5

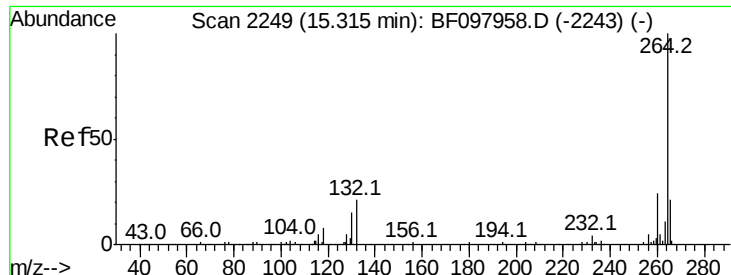


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

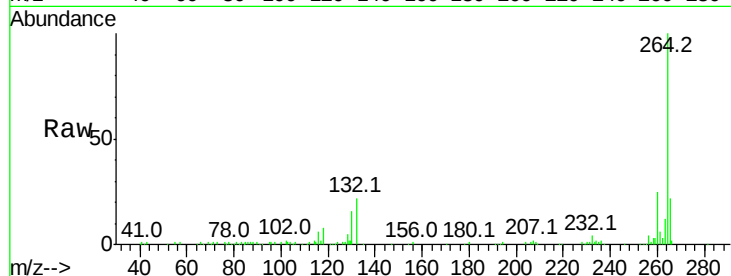




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BF098157.D
 Acq: 30 Aug 2017 14:02

Instrument :
 BNA_F
 ClientSampleId :
 TP-4DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	21.9	17.2	25.8



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

