

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097036.D
 Acq On : 25 Jul 2017 18:35
 Operator : SJ/JU
 Sample : I4369-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20170720

Quant Time: Jul 26 12:11:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

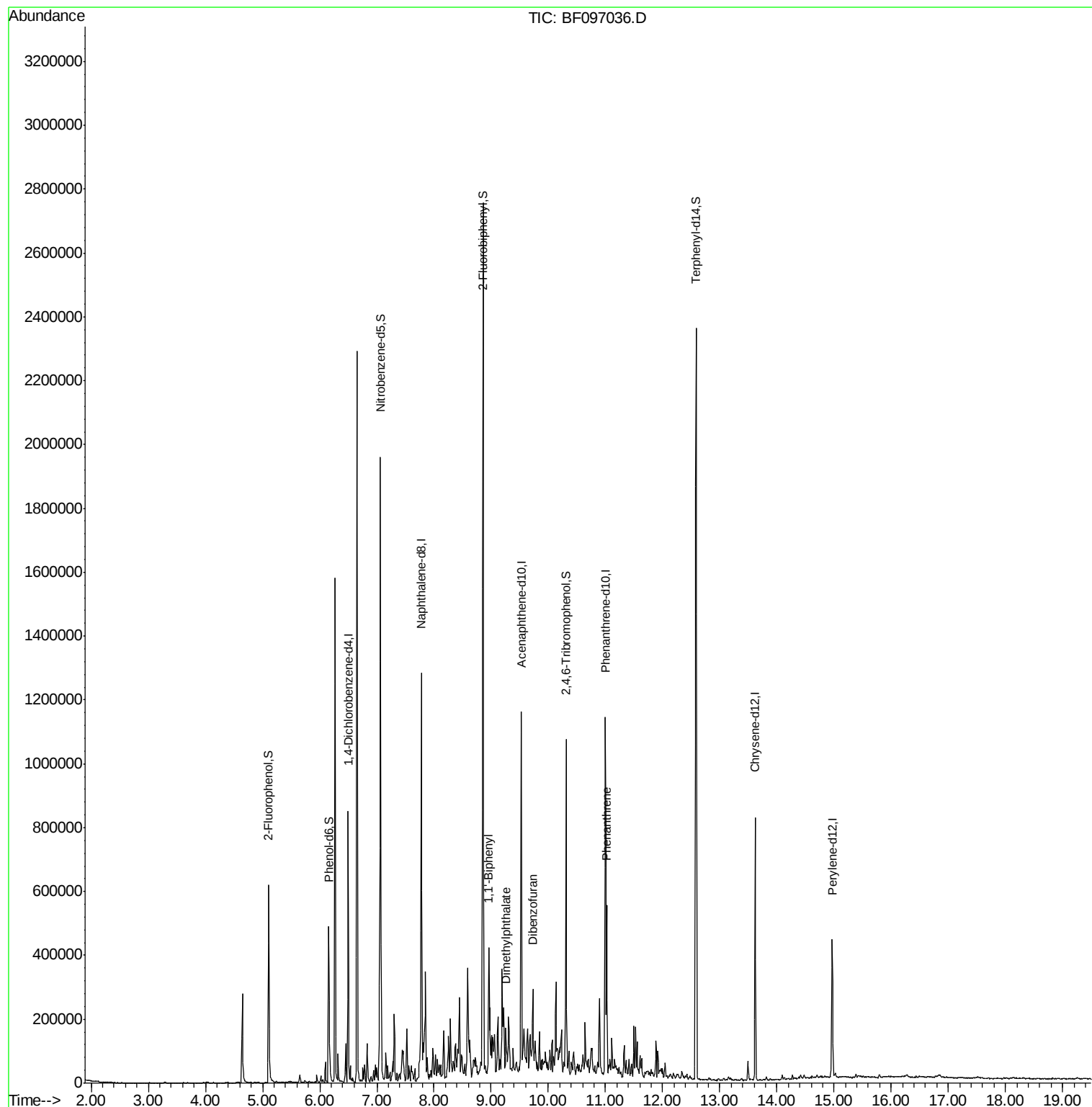
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	133631	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	541853	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	228377	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	392384	20.00	ng	0.00
75) Chrysene-d12	13.62	240	266233	20.00	ng	0.00
86) Perylene-d12	14.97	264	175094	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	192749	21.74	ng	0.00
7) Phenol-d6	6.16	99	179928	17.78	ng	-0.01
23) Nitrobenzene-d5	7.06	82	667980	72.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	102630	56.88	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	1034237	76.86	ng	0.00
78) Terphenyl-d14	12.59	244	813932	62.33	ng	0.00
Target Compounds						
45) 1,1'-Biphenyl	8.96	154	108331	5.554	ng	99
49) Dimethylphthalate	9.26	163	44789	2.583	ng	99
54) Dibenzofuran	9.73	168	70216	4.062	ng	99
70) Phenanthrene	11.02	178	177632	8.449	ng	98

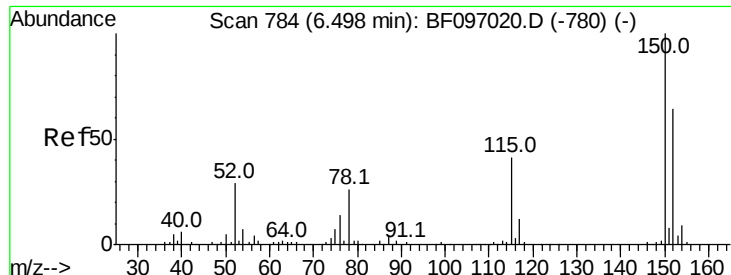
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097036.D
Acq On : 25 Jul 2017 18:35
Operator : SJ/JU
Sample : I4369-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

Quant Time: Jul 26 12:11:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 2017
Response via : Initial Calibration



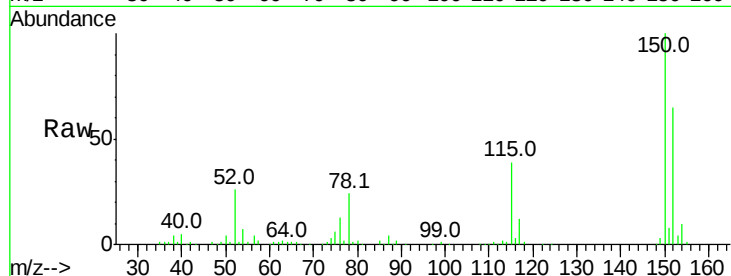


#1

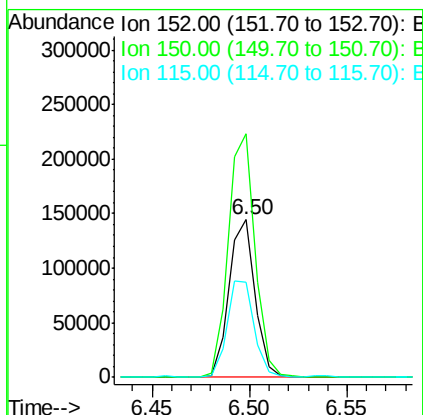
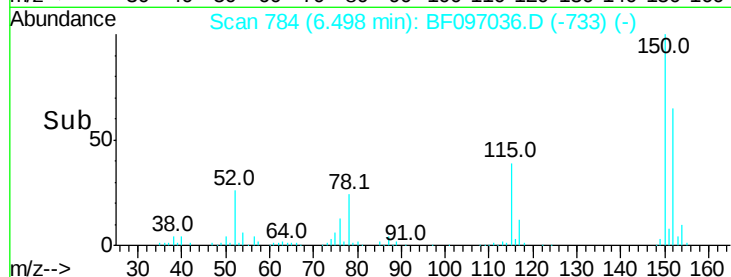
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.50 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF097036.D
 Acq: 25 Jul 2017 18:35

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20170720

Tot Ion:152 Resp: 133631
 Ion Ratio Lower Upper
 152 100
 150 154.4 126.2 189.2
 115 60.7 52.2 78.2



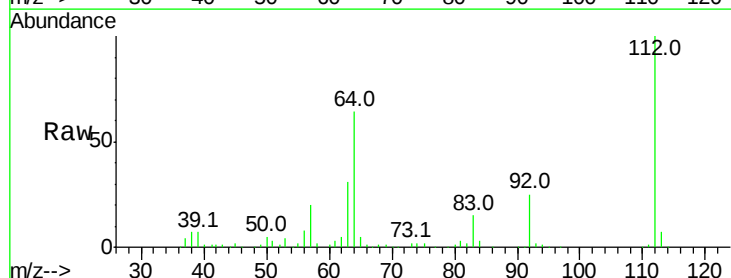
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



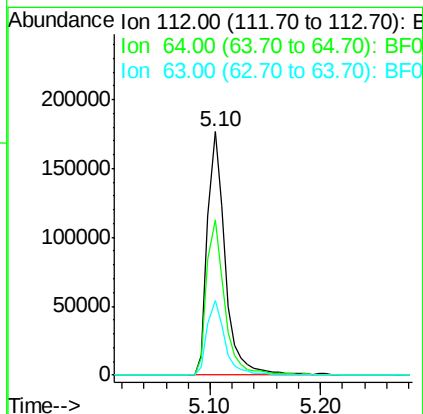
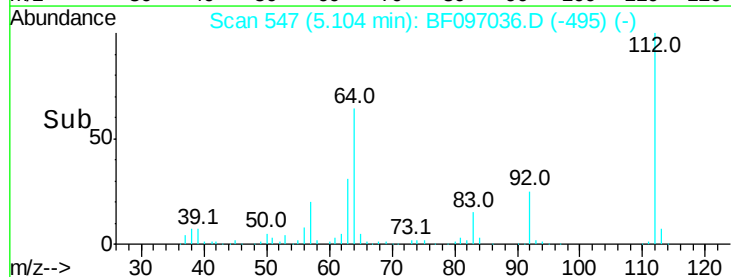
#5

2-Fluorophenol
 Concen: 21.744 ng
 RT: 5.10 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF097036.D
 Acq: 25 Jul 2017 18:35

Tgt Ion:112 Resp: 192749
 Ion Ratio Lower Upper
 112 100
 64 64.0 46.0 69.0
 63 30.9 23.4 35.0



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: 17.780 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

Instrument :

BNA_F

ClientSampleId :

MW-2-20170720

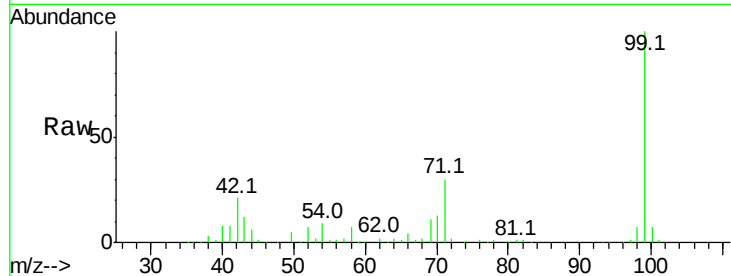
Tot Ion: 99 Resp: 179928

Ion Ratio Lower Upper

99 100

42 20.8 13.5 20.3#

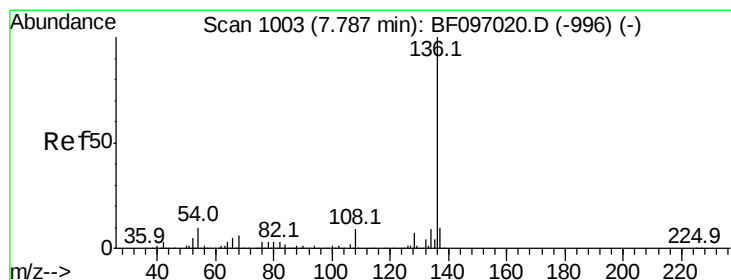
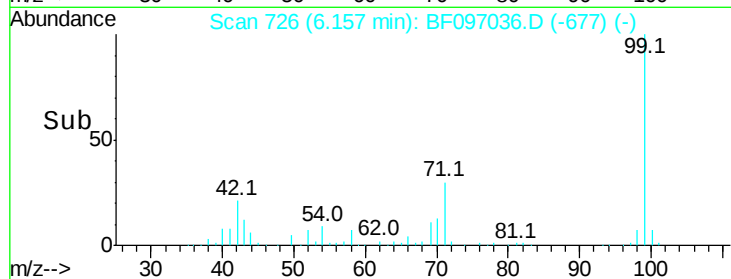
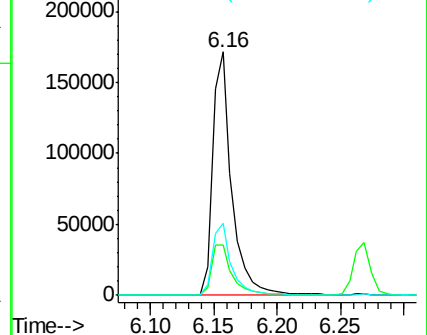
71 29.8 24.5 36.7



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: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

Tgt Ion: 136 Resp: 541853

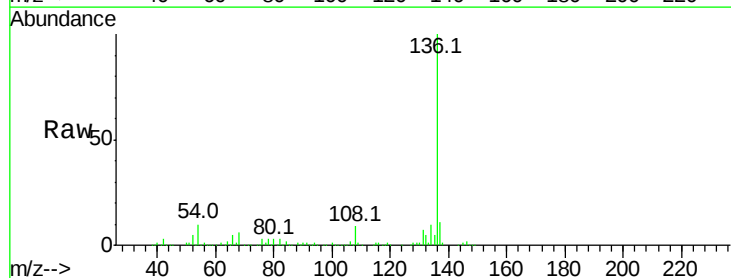
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.4 4.9 7.3#

68 5.8 4.1 6.1

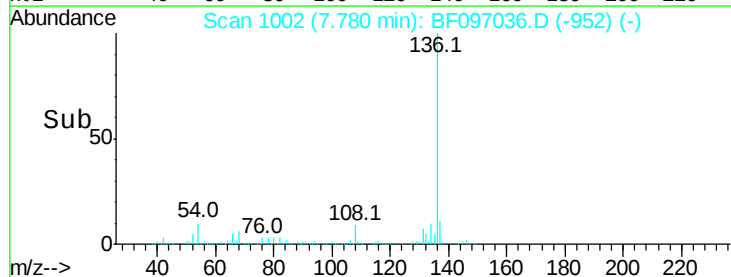
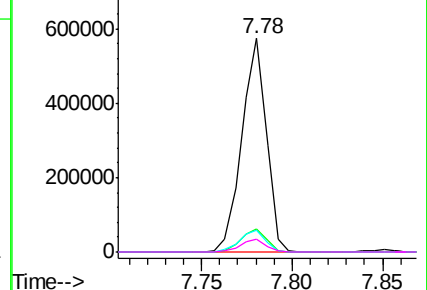


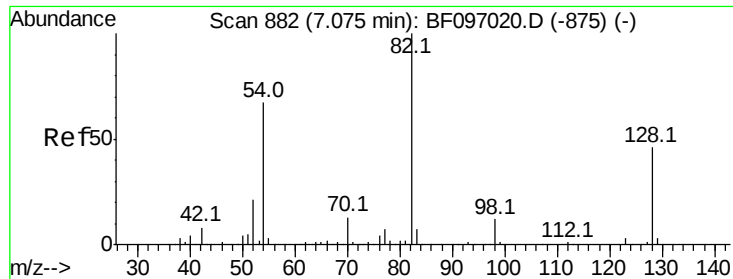
Abundance Ion 136.00 (135.70 to 136.70): E

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

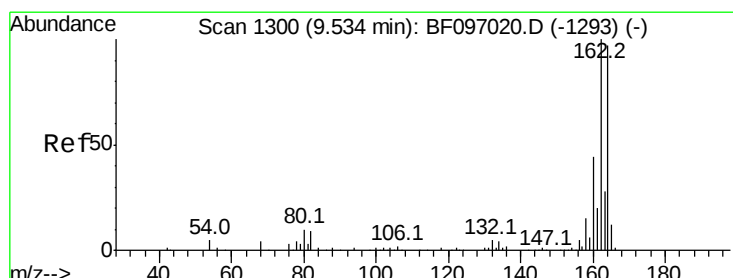
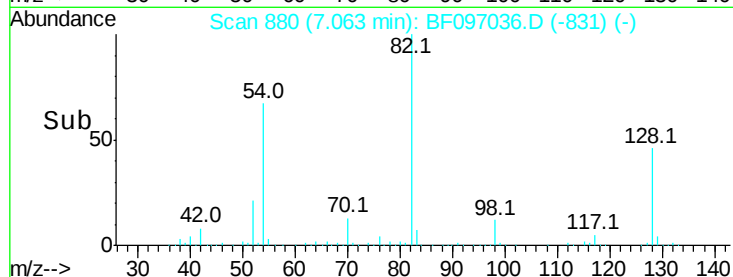
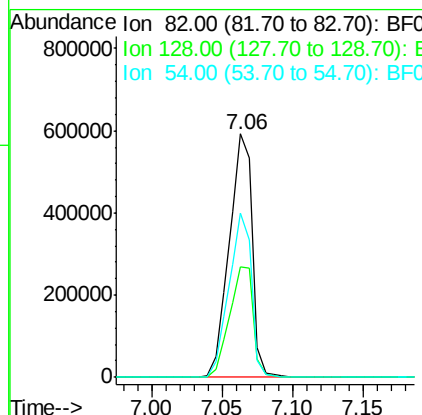
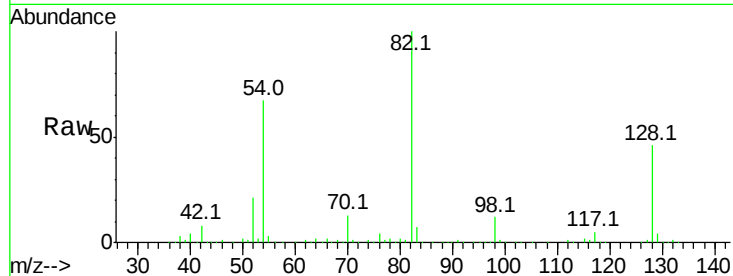




#23
 Nitrobenzene-d5
 Concen: 72.319 ng
 RT: 7.06 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF097036.D
 Acq: 25 Jul 2017 18:35

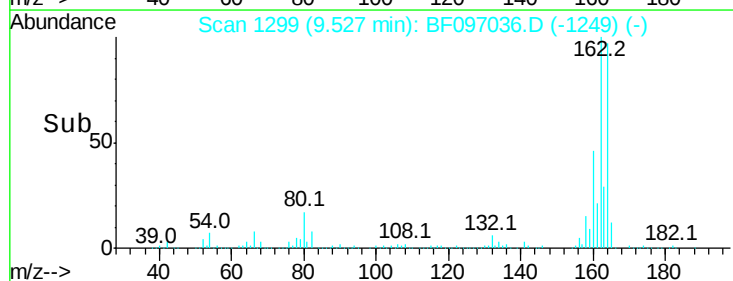
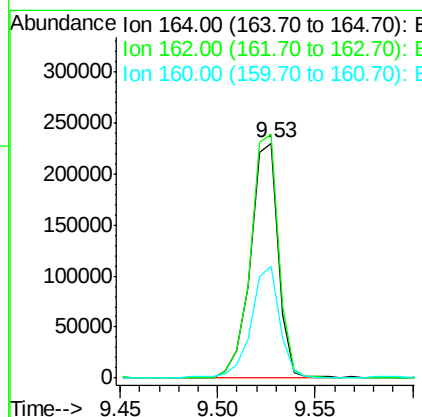
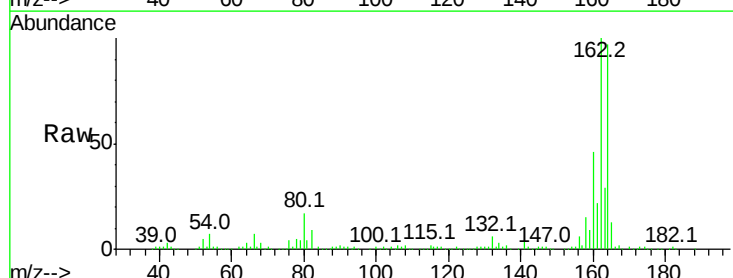
Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20170720

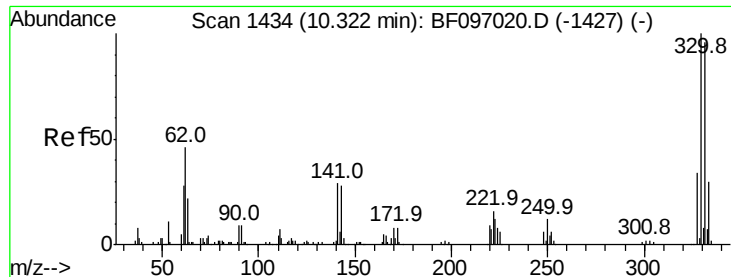
Tot Ion: 82 Resp: 667980
 Ion Ratio Lower Upper
 82 100
 128 45.5 34.0 51.0
 54 67.4 42.2 63.2#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097036.D
 Acq: 25 Jul 2017 18:35

Tgt Ion:164 Resp: 228377
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.6 123.8
 160 47.6 36.2 54.2

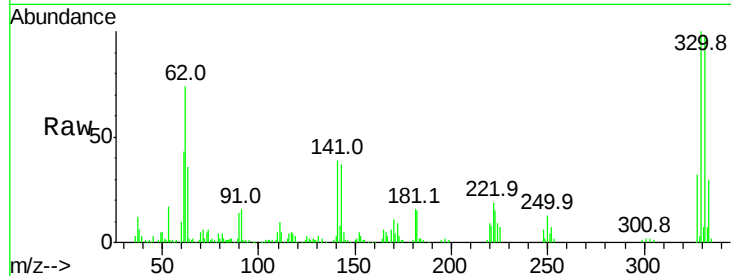




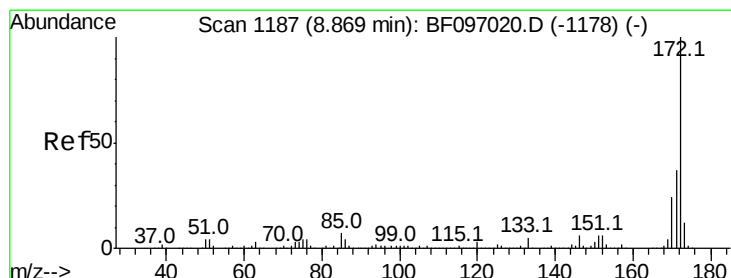
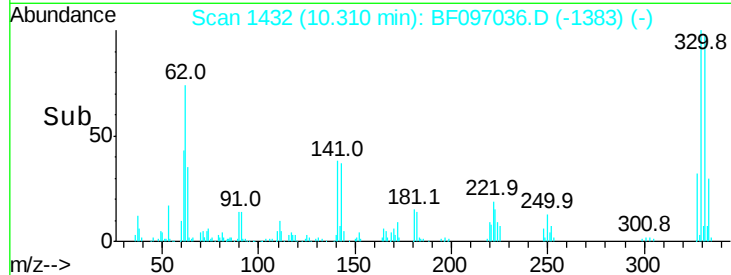
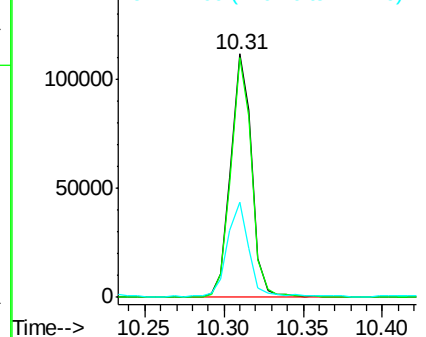
#41
 2,4,6-Tribromophenol
 Concen: 56.878 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097036.D
 Acq: 25 Jul 2017 18:35

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20170720

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	42.6	31.4	47.2

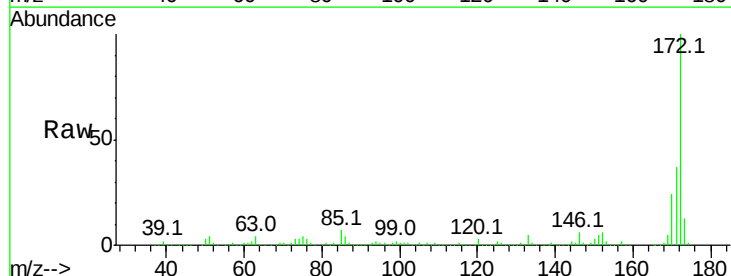


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

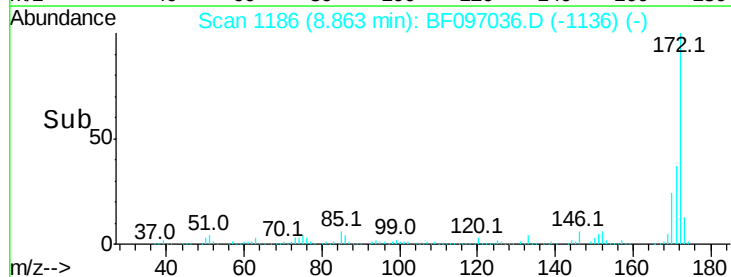
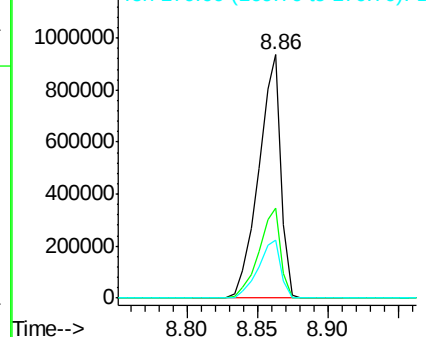


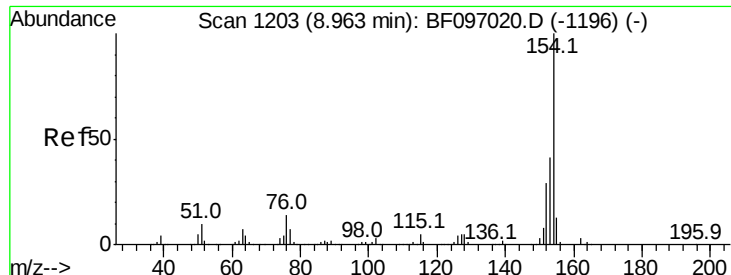
#44
 2-Fluorobiphenyl
 Concen: 76.855 ng
 RT: 8.86 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097036.D
 Acq: 25 Jul 2017 18:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	24.0	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

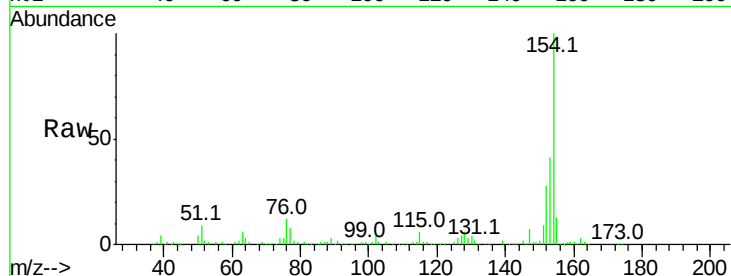




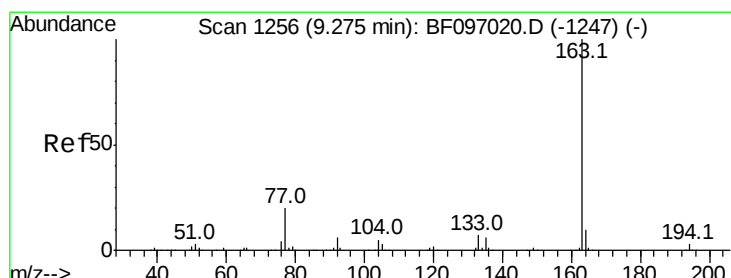
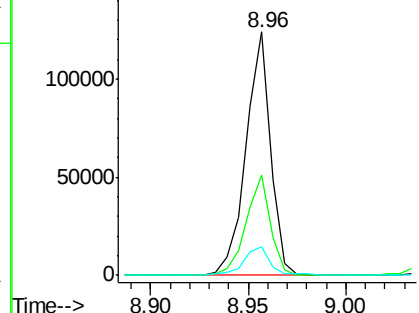
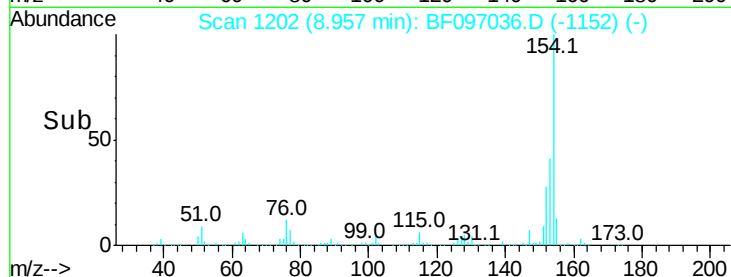
#45
1,1'-Biphenyl
Concen: 5.554 ng
RT: 8.96 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

Tot Ion:154 Resp: 108331
Ion Ratio Lower Upper
154 100
153 40.9 21.2 61.2
76 11.9 0.0 29.9

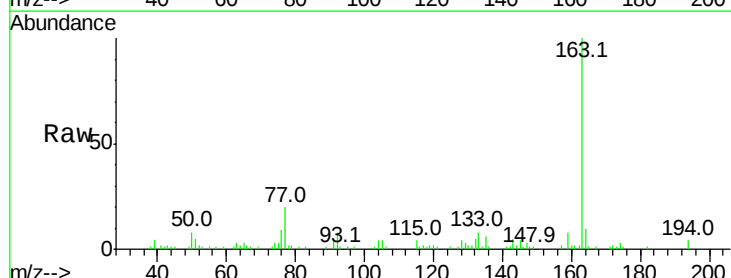


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BFO

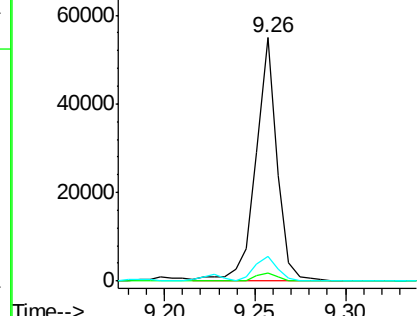
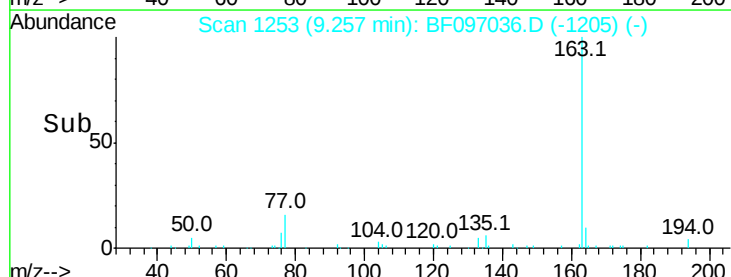


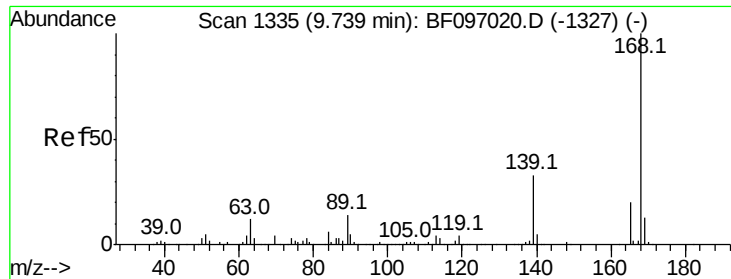
#49
Dimethylphthalate
Concen: 2.583 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Tgt Ion:163 Resp: 44789
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

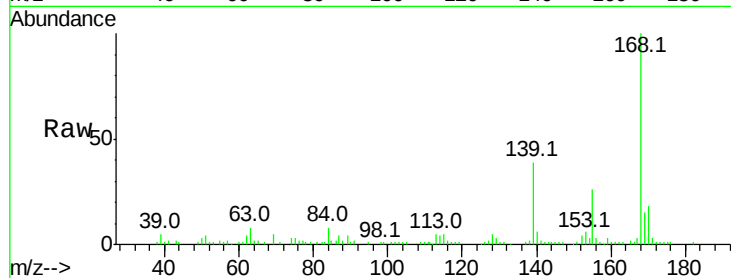




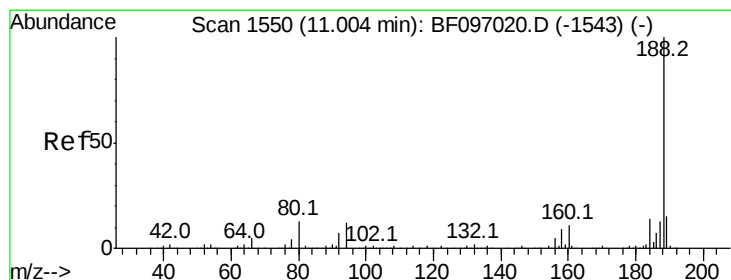
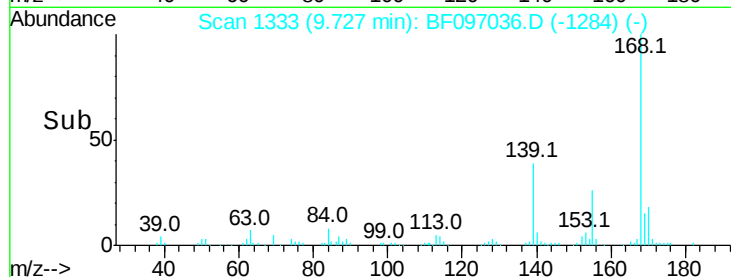
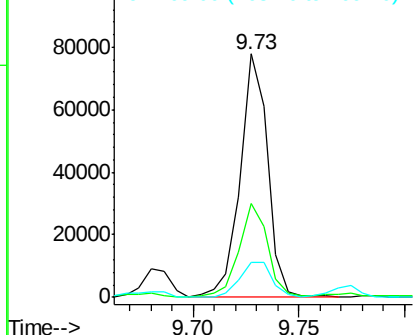
#54
Dibenzenofuran
Concen: 4.062 ng
RT: 9.73 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Instrument :
BNA_F
ClientSampleId :
MW-2-20170720

Tot Ion:168 Resp: 70216
Ion Ratio Lower Upper
168 100
139 38.5 30.6 45.8
169 14.6 10.8 16.2

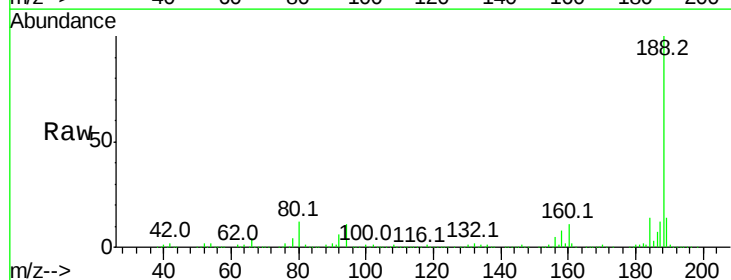


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

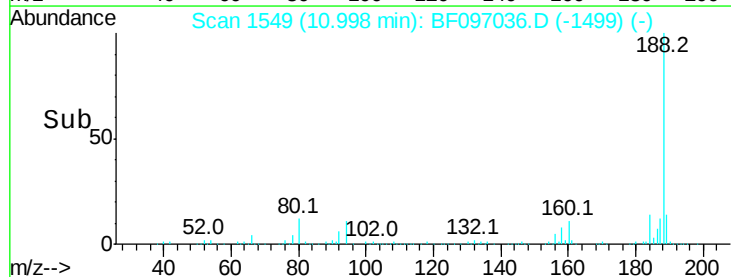
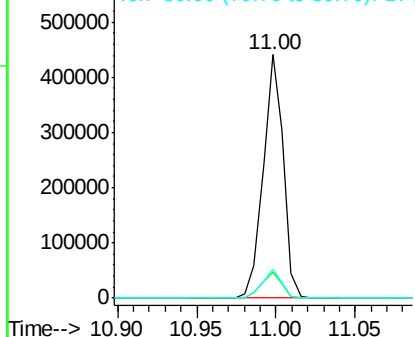


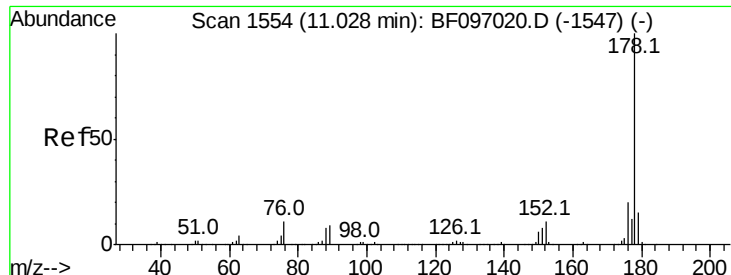
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097036.D
Acq: 25 Jul 2017 18:35

Tgt Ion:188 Resp: 392384
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 11.6 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: 8.449 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

Instrument :

BNA_F

ClientSampleId :

MW-2-20170720

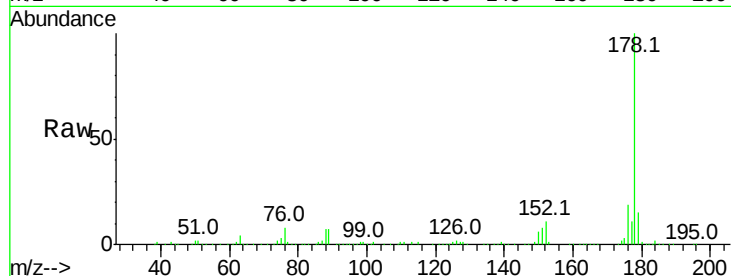
Tot Ion:178 Resp: 177632

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

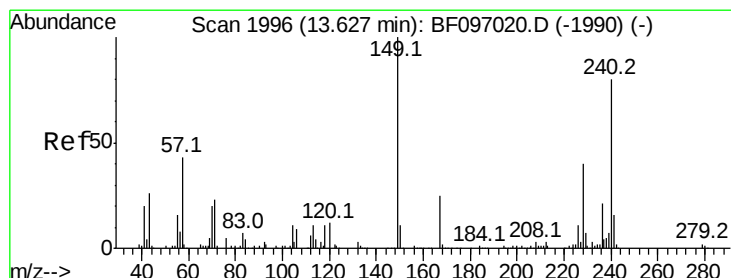
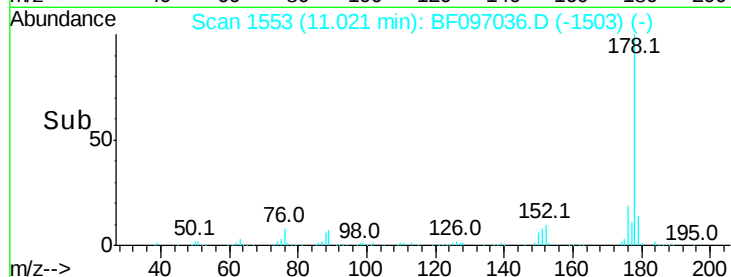
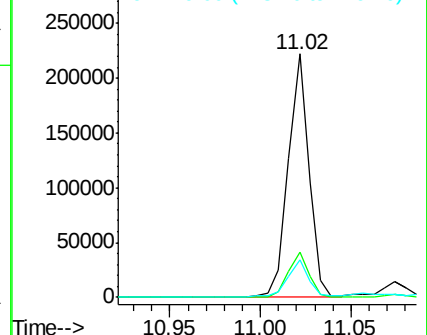
179 15.3 12.6 19.0



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

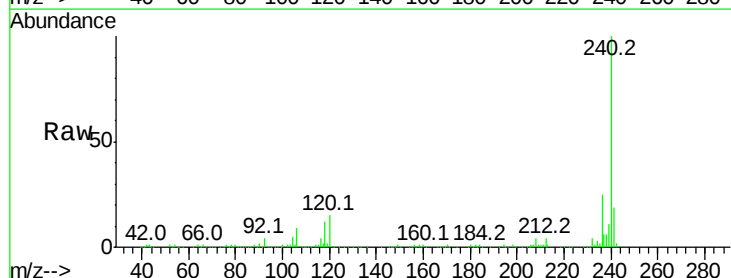
Tgt Ion:240 Resp: 266233

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

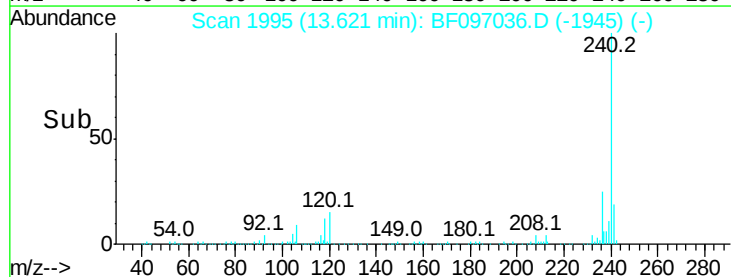
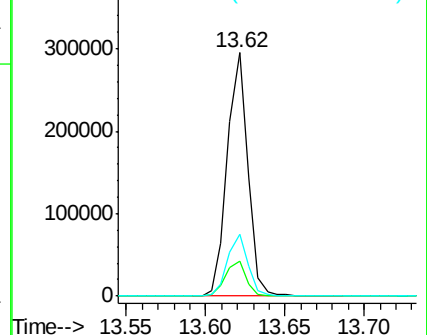
236 25.4 20.5 30.7

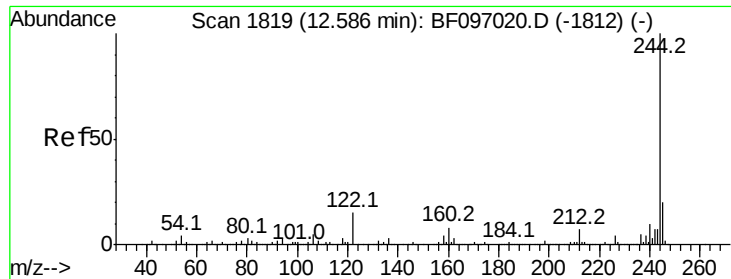


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 62.332 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

Instrument :

BNA_F

ClientSampleId :

MW-2-20170720

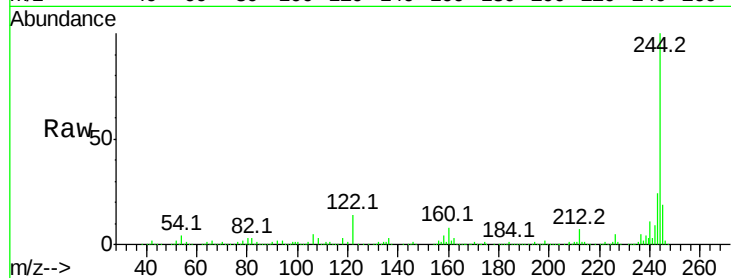
Tot Ion:244 Resp: 813932

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

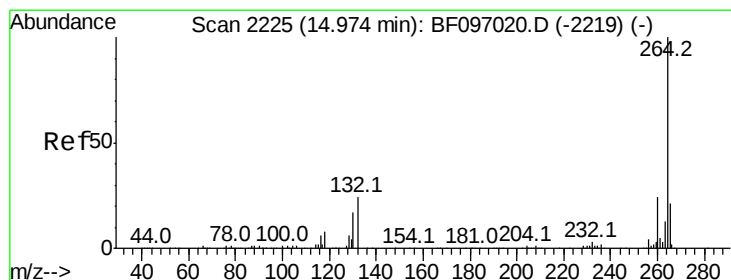
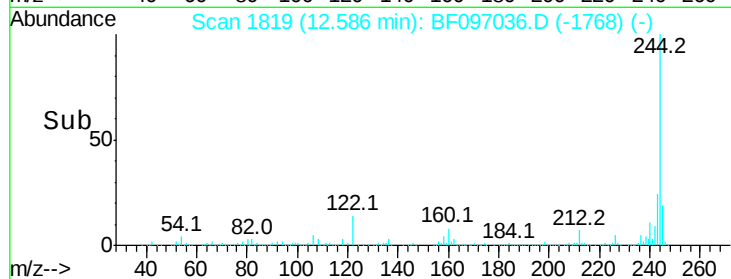
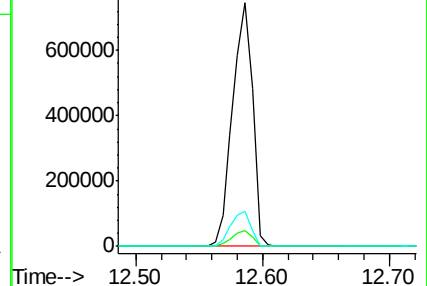
122 14.4 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 14.97 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF097036.D

Acq: 25 Jul 2017 18:35

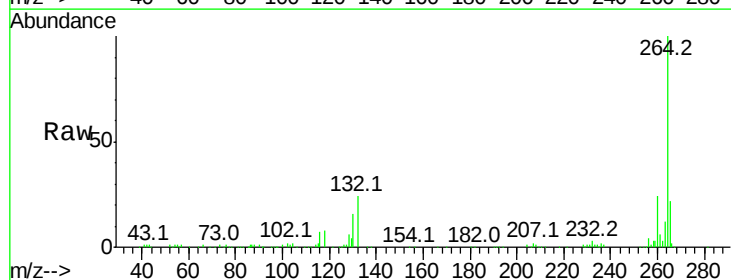
Tgt Ion:264 Resp: 175094

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 22.0 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

