

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097041.D
 Acq On : 25 Jul 2017 20:53
 Operator : SJ/JU
 Sample : I4369-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1-20170720

Quant Time: Jul 26 12:18:53 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

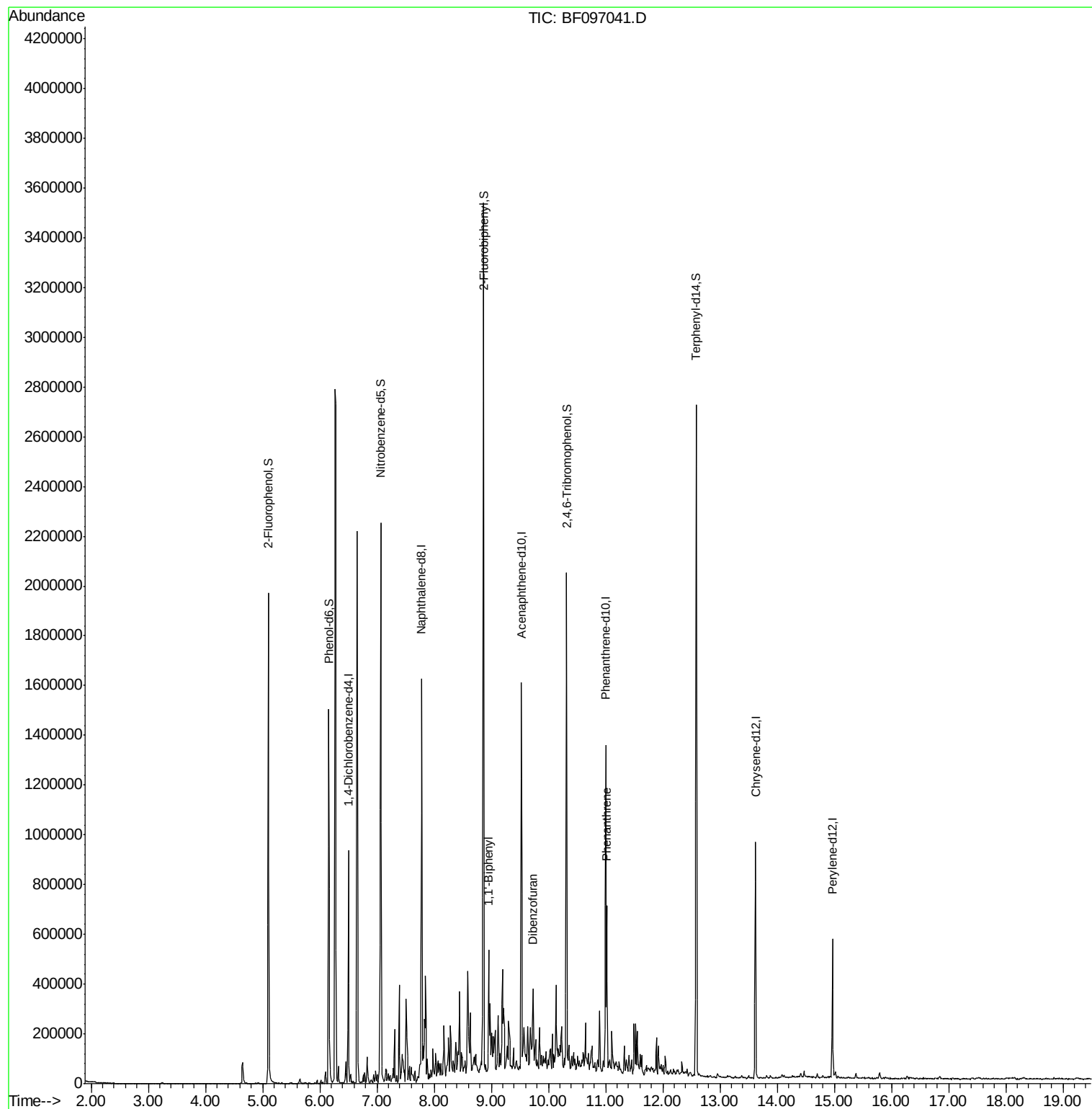
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	142585	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	651595	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	283937	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	461193	20.00	ng	0.00
75) Chrysene-d12	13.62	240	325562	20.00	ng	0.00
86) Perylene-d12	14.97	264	207078	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	566467	59.89	ng	0.00
7) Phenol-d6	6.16	99	465962	43.15	ng	-0.01
23) Nitrobenzene-d5	7.07	82	712275	64.13	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	255464	113.87	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	1258944	75.25	ng	0.00
78) Terphenyl-d14	12.59	244	1008871	63.18	ng	0.00
Target Compounds						
45) 1,1'-Biphenyl	8.96	154	121068	4.992	ng	97
54) Dibenzofuran	9.73	168	83471	3.884	ng	# 94
70) Phenanthrene	11.02	178	214640	8.686	ng	98

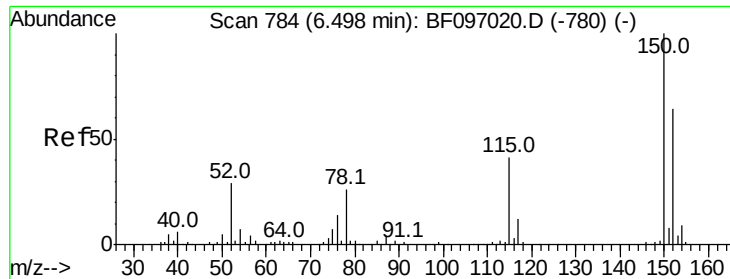
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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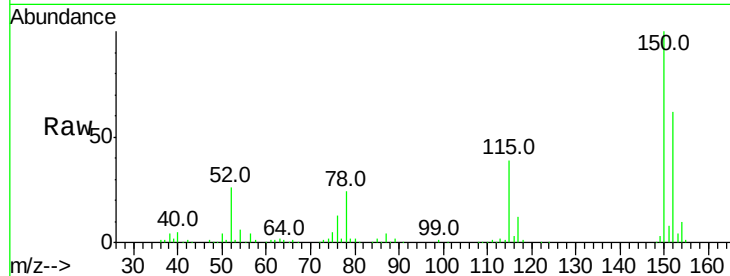


#1

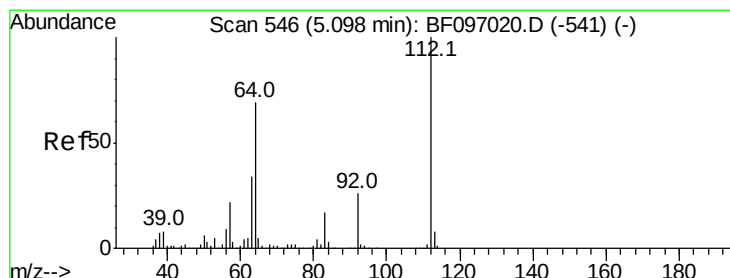
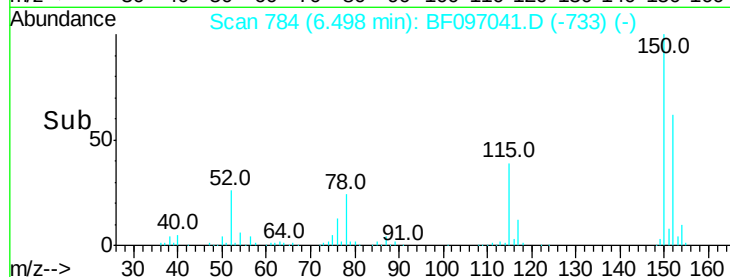
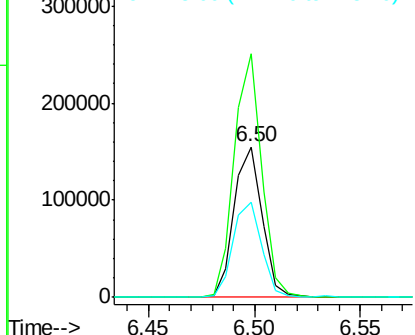
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097041.D
Acq: 25 Jul 2017 20:53

Instrument :
BNA_F
ClientSampleId :
DUP-1-20170720

Tot Ion:152 Resp: 142585
Ion Ratio Lower Upper
152 100
150 161.6 126.2 189.2
115 62.7 52.2 78.2



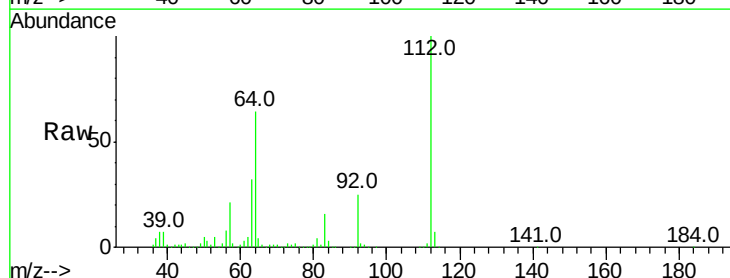
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



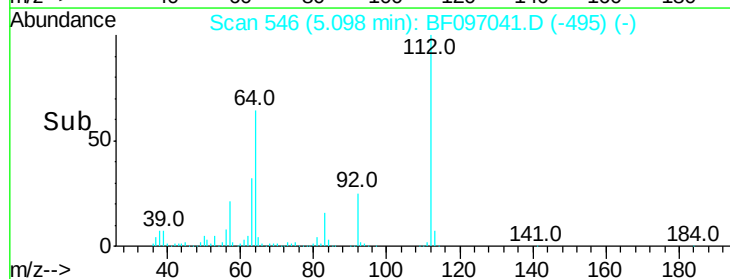
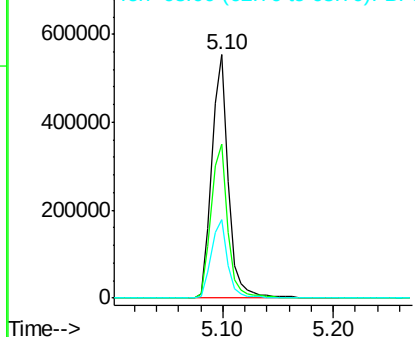
#5

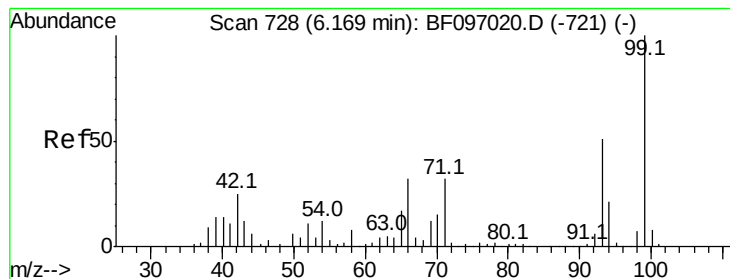
2-Fluorophenol
Concen: 59.890 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097041.D
Acq: 25 Jul 2017 20:53

Tgt Ion:112 Resp: 566467
Ion Ratio Lower Upper
112 100
64 63.5 46.0 69.0
63 32.2 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: 43.153 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097041.D

Acq: 25 Jul 2017 20:53

Instrument :

BNA_F

ClientSampleId :

DUP-1-20170720

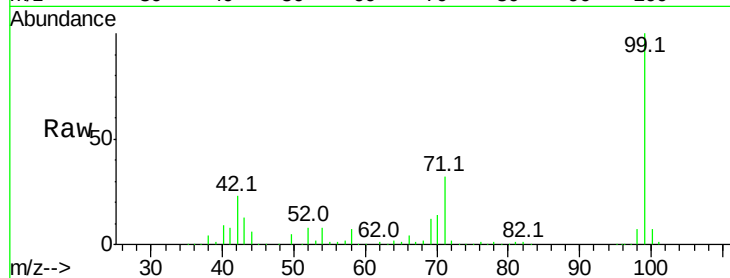
Tot Ion: 99 Resp: 465962

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

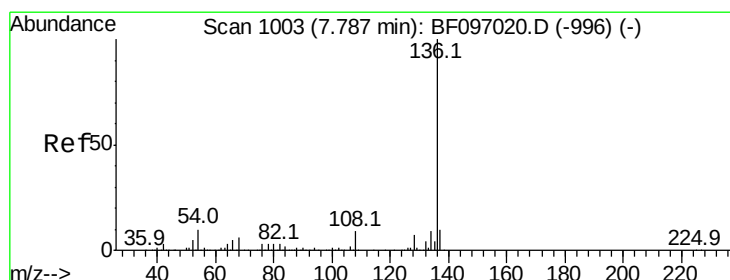
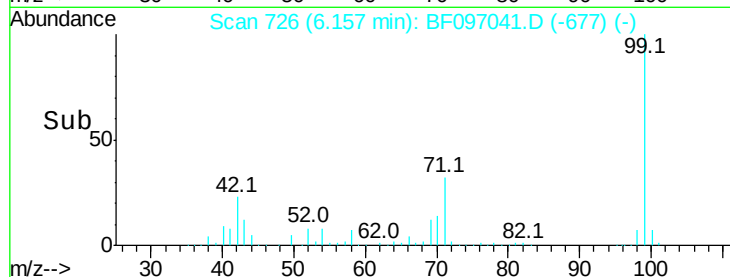
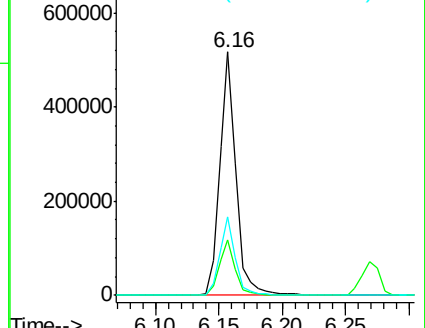
71 32.1 24.5 36.7



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: BF097041.D

Acq: 25 Jul 2017 20:53

Tgt Ion: 136 Resp: 651595

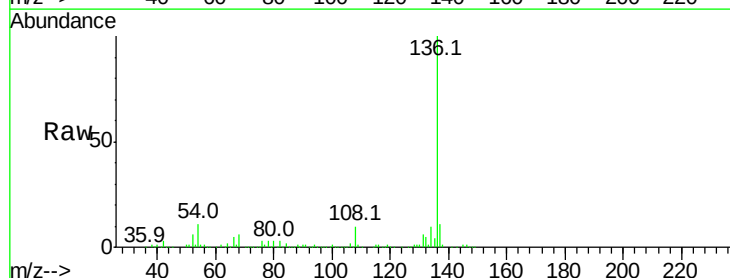
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.6 4.9 7.3#

68 5.8 4.1 6.1

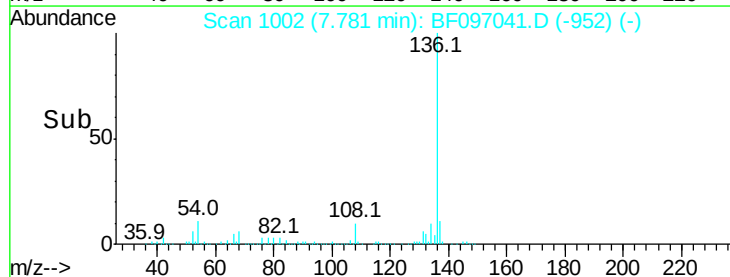
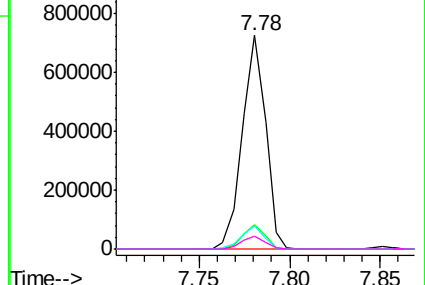


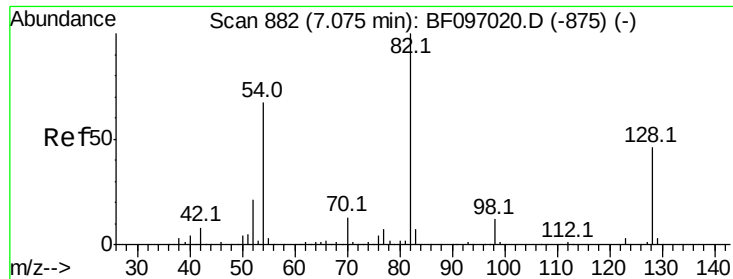
Abundance Ion 136.00 (135.70 to 136.70): E

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

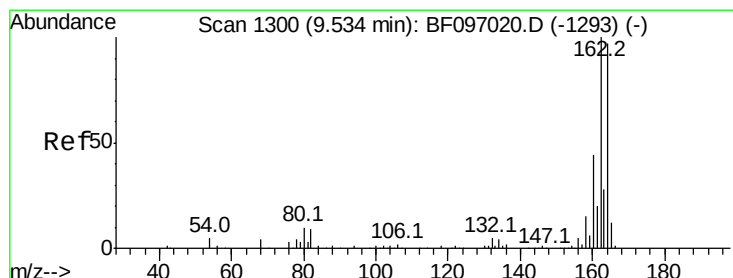
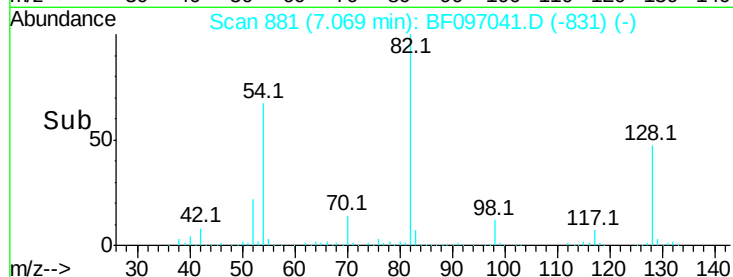
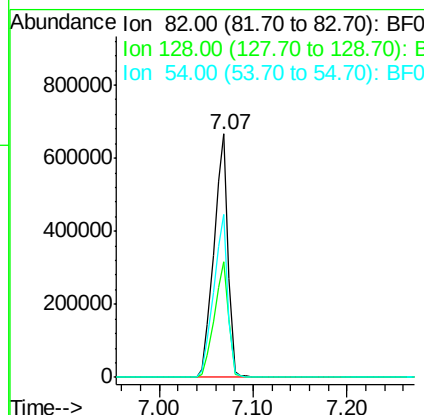
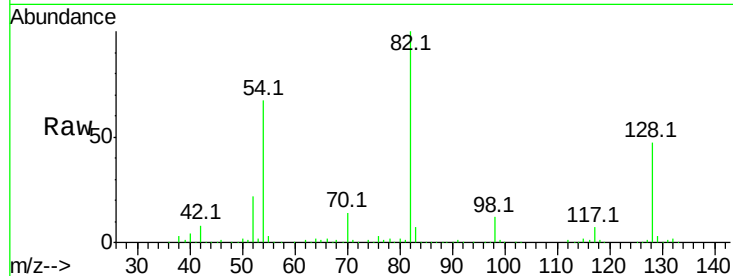




#23
 Nitrobenzene-d5
 Concen: 64.127 ng
 RT: 7.07 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF097041.D
 Acq: 25 Jul 2017 20:53

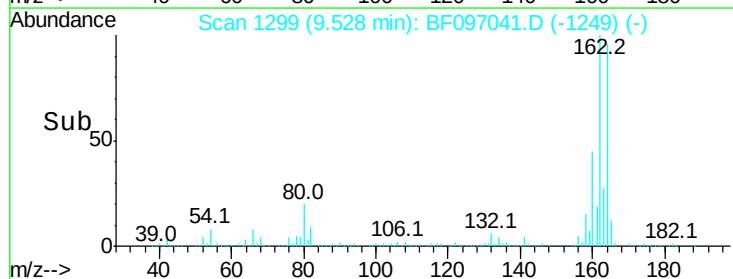
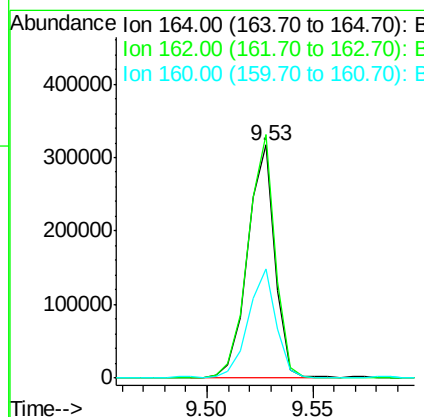
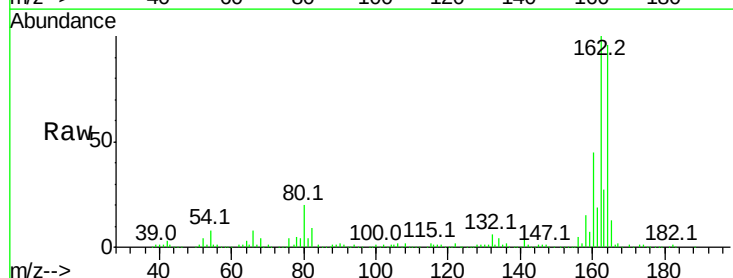
Instrument :
 BNA_F
 ClientSampleId :
 DUP-1-20170720

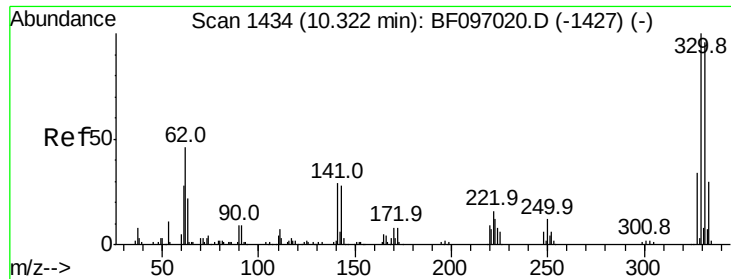
Tot Ion: 82 Resp: 712275
 Ion Ratio Lower Upper
 82 100
 128 47.3 34.0 51.0
 54 67.2 42.2 63.2#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097041.D
 Acq: 25 Jul 2017 20:53

Tgt Ion:164 Resp: 283937
 Ion Ratio Lower Upper
 164 100
 162 104.4 82.6 123.8
 160 46.7 36.2 54.2

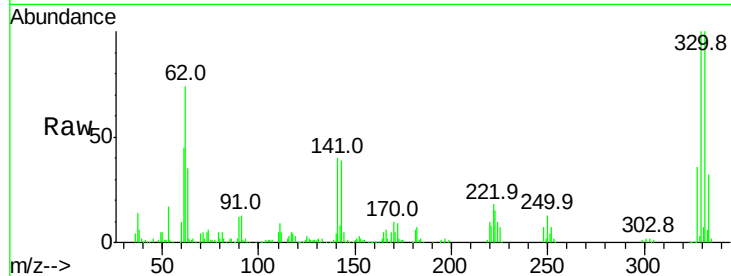




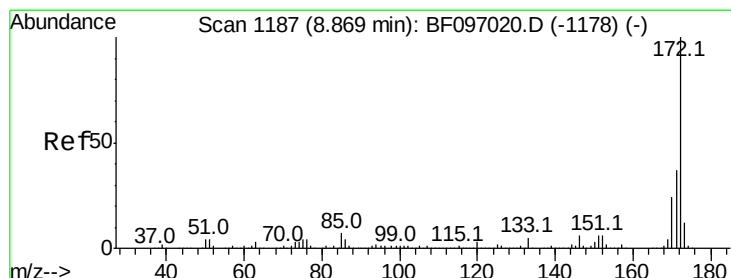
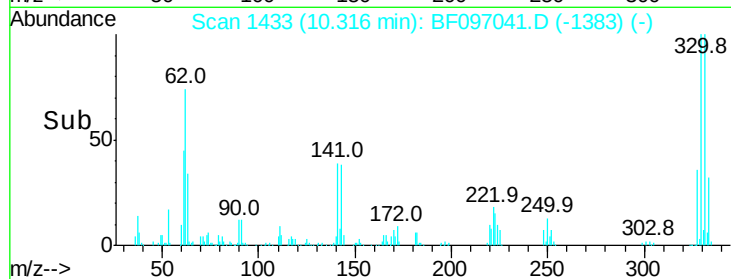
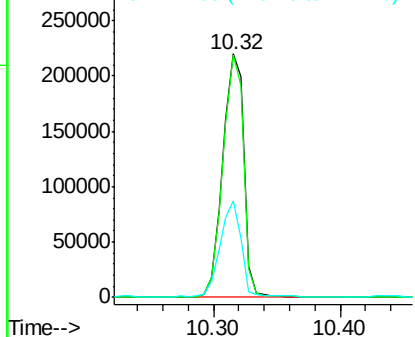
#41
 2,4,6-Tribromophenol
 Concen: 113.875 ng
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF097041.D
 Acq: 25 Jul 2017 20:53

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1-20170720

Tot Ion:330 Resp: 255464
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 39.8 31.4 47.2

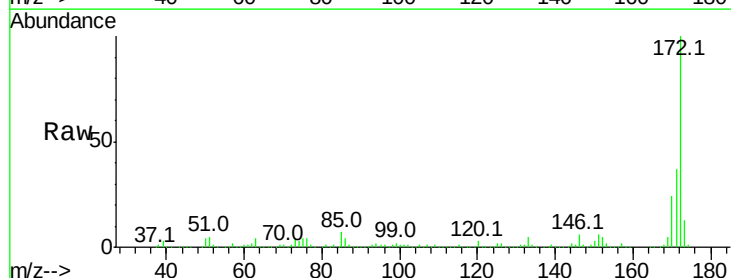


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

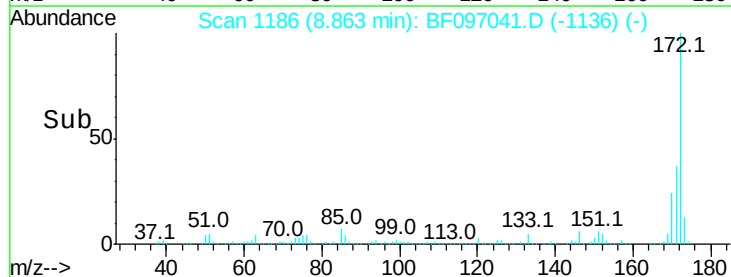
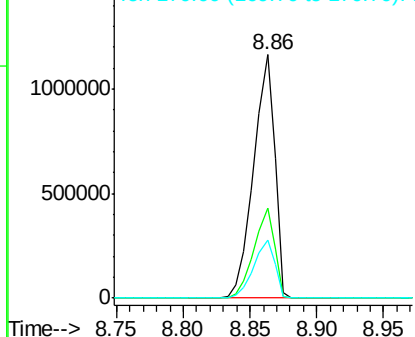


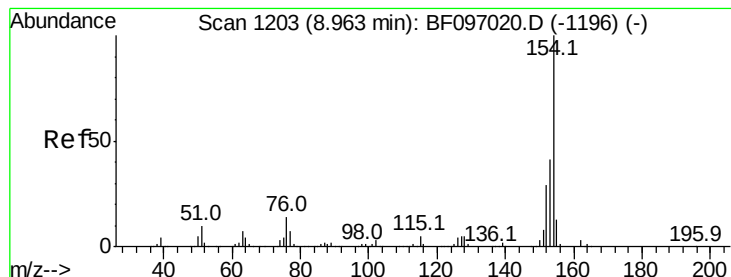
#44
 2-Fluorobiphenyl
 Concen: 75.247 ng
 RT: 8.86 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097041.D
 Acq: 25 Jul 2017 20:53

Tgt Ion:172 Resp: 1258944
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.6 44.4
 170 23.9 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





#45

1,1'-Biphenyl

Concen: 4.992 ng

RT: 8.96 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF097041.D

Acq: 25 Jul 2017 20:53

Instrument :

BNA_F

ClientSampleId :

DUP-1-20170720

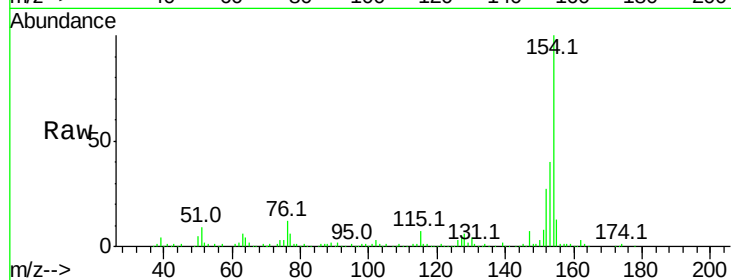
Tot Ion:154 Resp: 121068

Ion Ratio Lower Upper

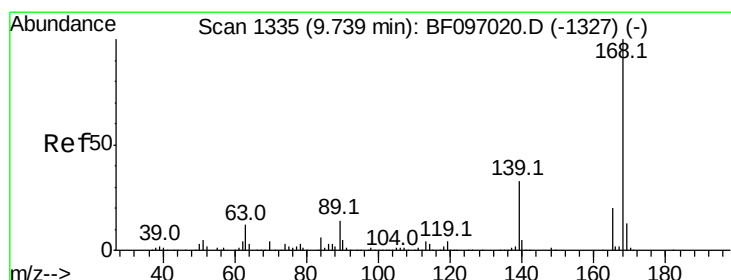
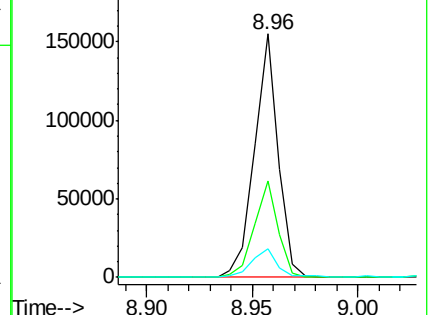
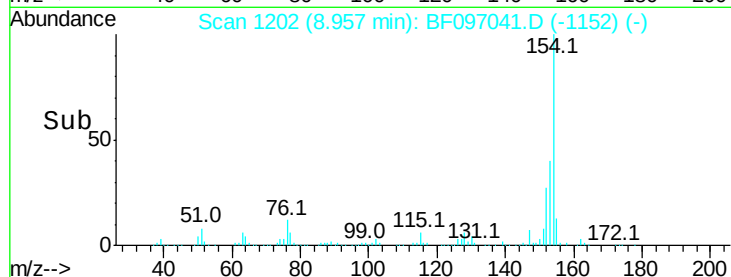
154 100

153 39.7 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): BF0



#54

Dibenzofuran

Concen: 3.884 ng

RT: 9.73 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF097041.D

Acq: 25 Jul 2017 20:53

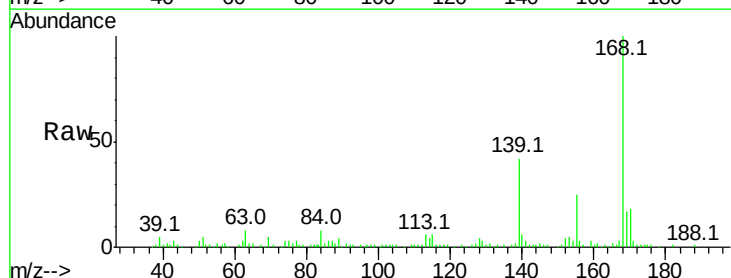
Tgt Ion:168 Resp: 83471

Ion Ratio Lower Upper

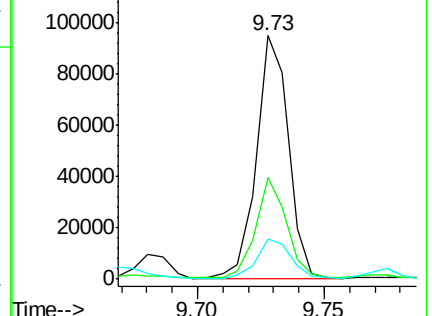
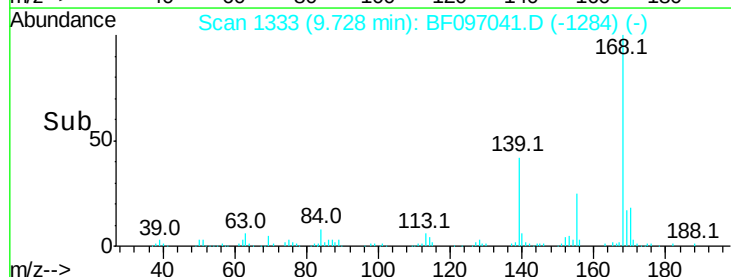
168 100

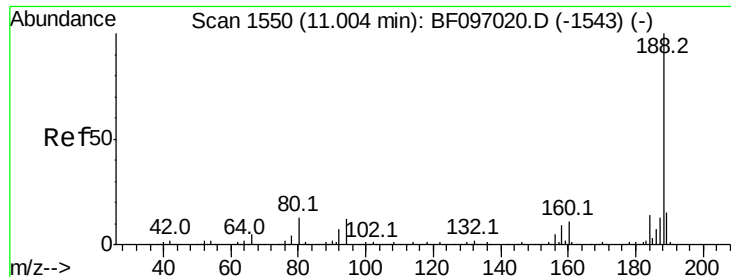
139 41.6 30.6 45.8

169 16.5 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

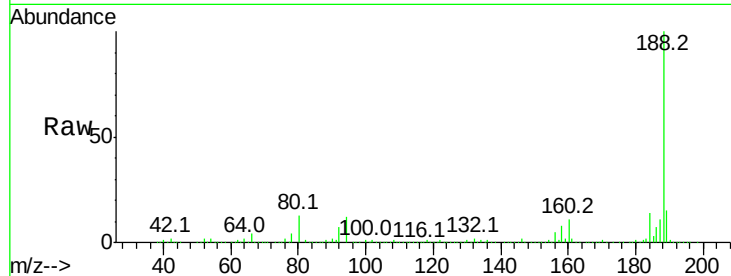




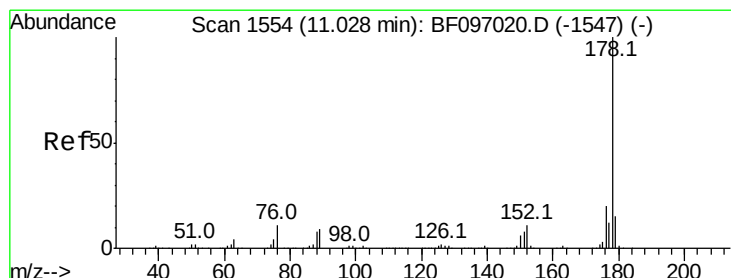
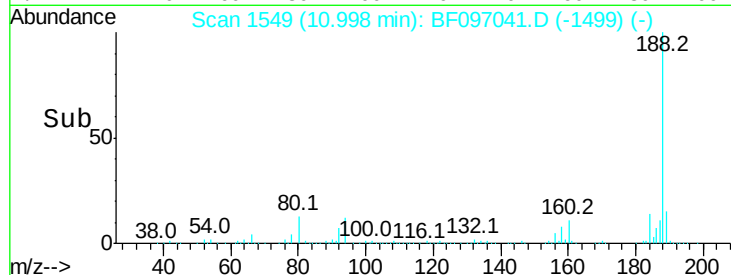
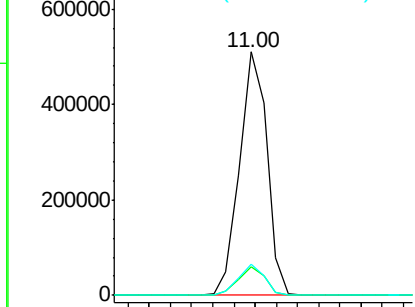
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097041.D
Acq: 25 Jul 2017 20:53

Instrument :
BNA_F
ClientSampleId :
DUP-1-20170720

Tot Ion:188 Resp: 461193
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.2
80 12.7 10.2 15.2

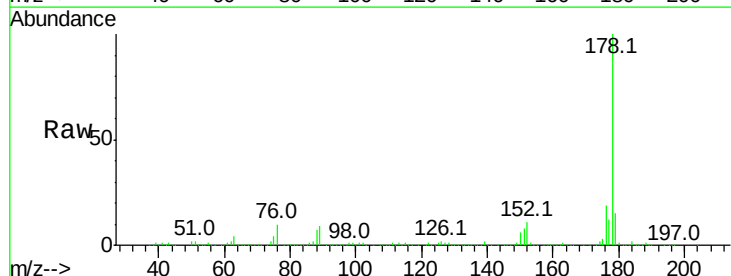


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

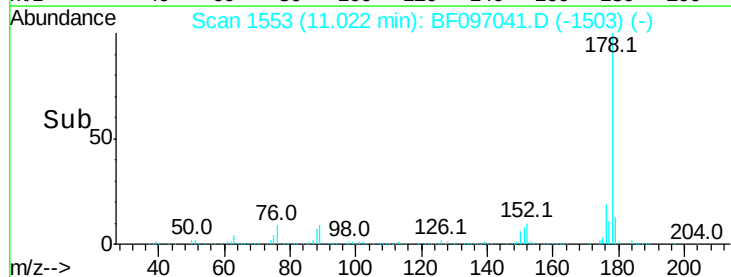
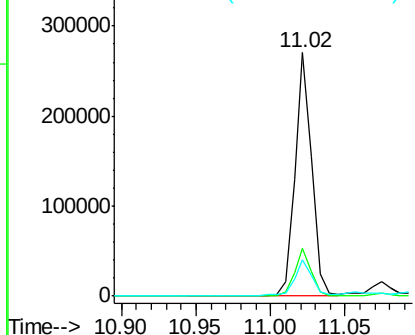


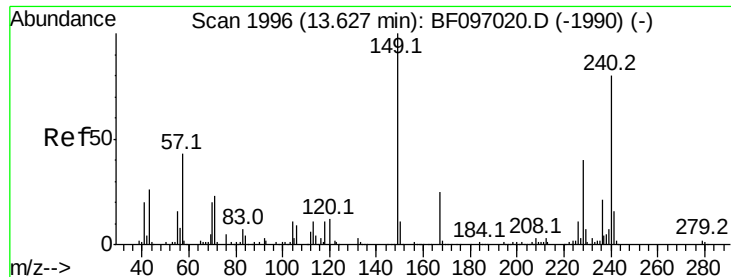
#70
Phenanthrene
Concen: 8.686 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097041.D
Acq: 25 Jul 2017 20:53

Tgt Ion:178 Resp: 214640
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 14.8 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: BF097041.D

Acq: 25 Jul 2017 20:53

Instrument :

BNA_F

ClientSampleId :

DUP-1-20170720

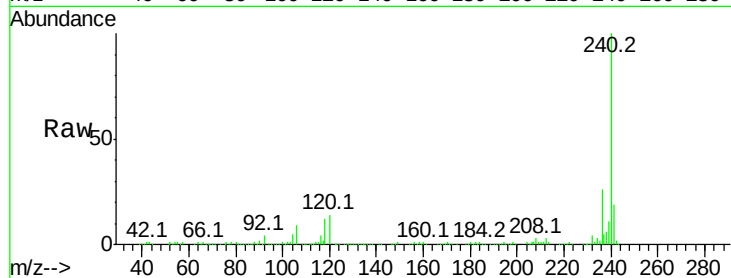
Tot Ion:240 Resp: 325562

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

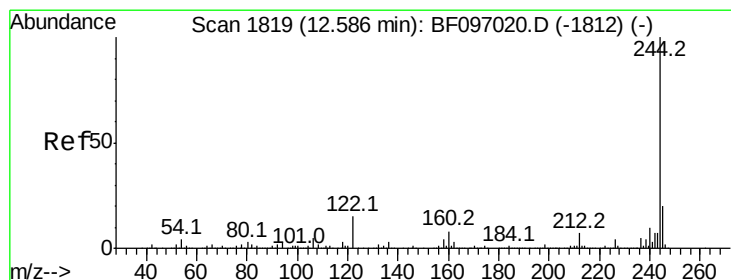
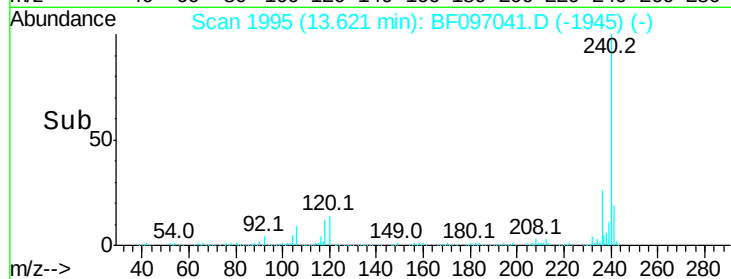
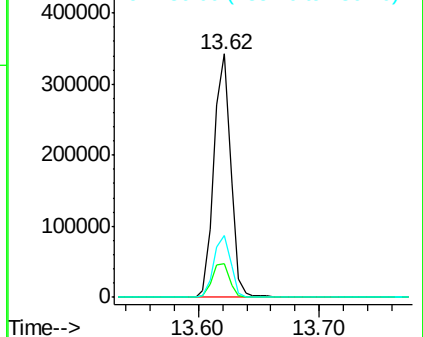
236 25.6 20.5 30.7



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: 63.181 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097041.D

Acq: 25 Jul 2017 20:53

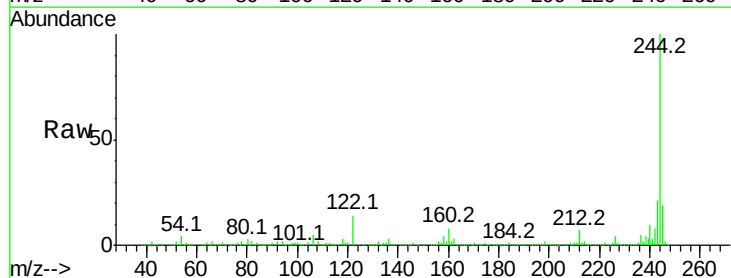
Tgt Ion:244 Resp: 1008871

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

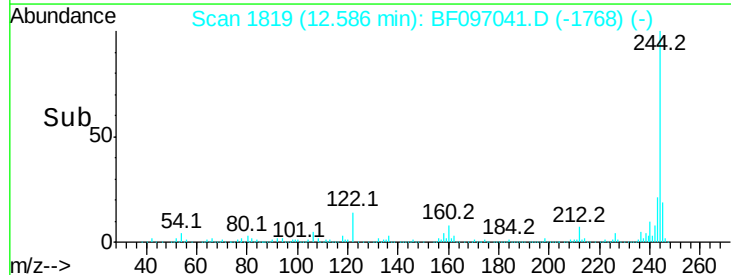
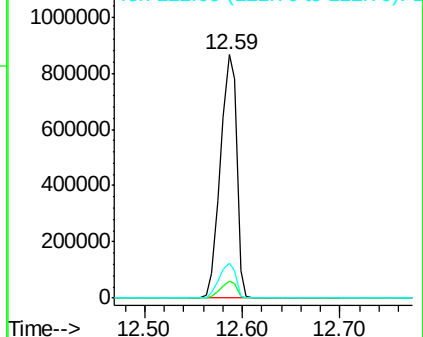
122 14.3 10.3 15.5

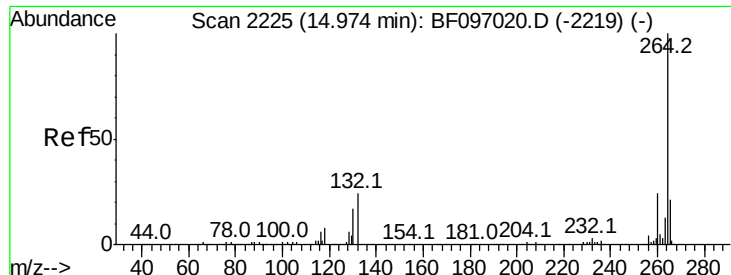


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

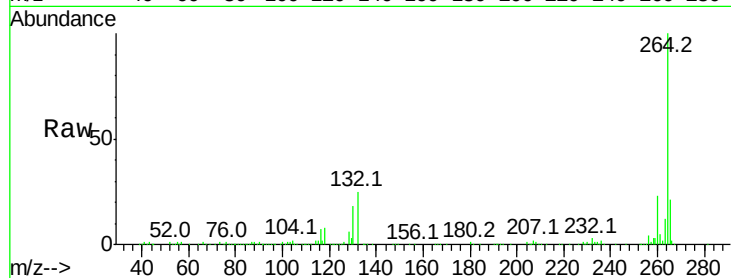




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.97 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF097041.D
 Acq: 25 Jul 2017 20:53

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1-20170720

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	20.9	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

