

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097710.D
 Acq On : 16 Aug 2017 00:16
 Operator : SJ/JU
 Sample : I4768-02 50X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAMILTON-PL-WATER-60

Quant Time: Aug 16 05:28:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

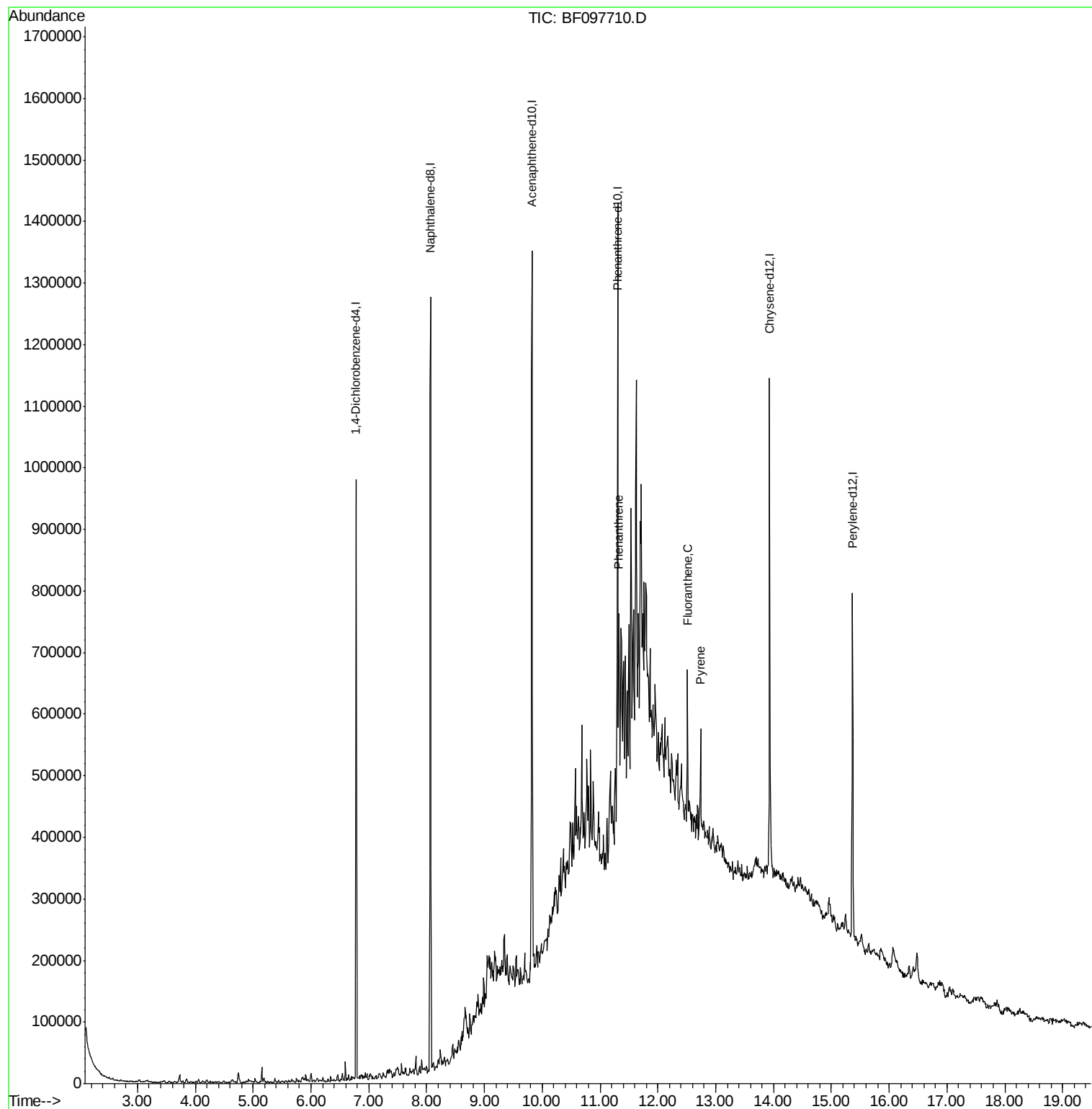
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	130157	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	505137	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	212494	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	332288	20.00	ng	0.00
75) Chrysene-d12	13.93	240	262209	20.00	ng	0.00
86) Perylene-d12	15.37	264	241721	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1404	0.16	ng	-0.01
7) Phenol-d6	6.40	99	1449	0.12	ng	-0.01
23) Nitrobenzene-d5	7.34	82	2930	0.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	502	0.27	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	6568	0.45	ng	0.00
78) Terphenyl-d14	12.89	244	4039	0.32	ng	0.00
Target Compounds						
70) Phenanthrene	11.32	178	41878	2.365	ng	97
74) Fluoranthene	12.51	202	85081	4.604	ng	94
77) Pyrene	12.74	202	57688	2.690	ng	# 89

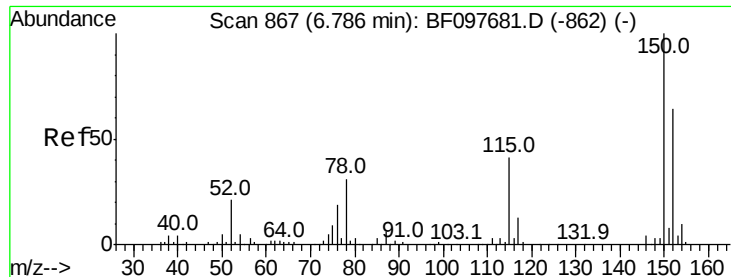
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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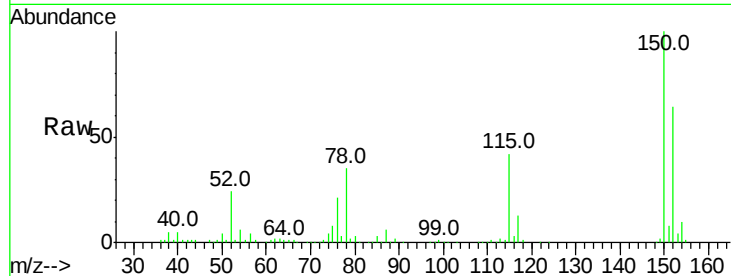


#1

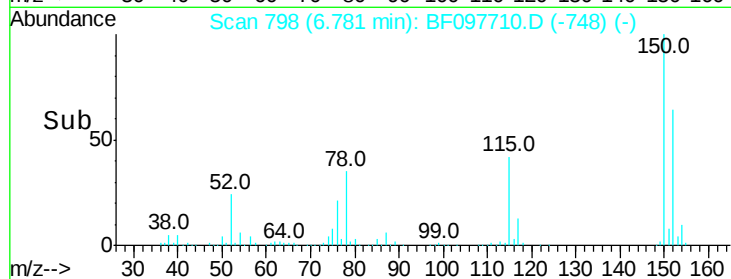
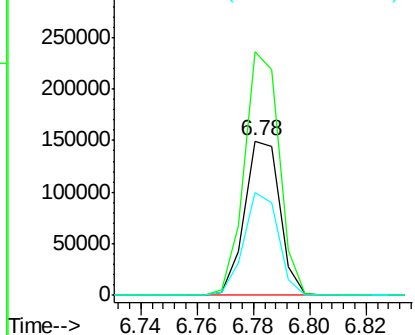
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097710.D
 Acq: 16 Aug 2017 00:16

Instrument :
 BNA_F
 ClientSampleId :
 HAMILTON-PL-WATER-60

Tot Ion:152 Resp: 130157
 Ion Ratio Lower Upper
 152 100
 150 157.4 126.2 189.2
 115 66.8 52.2 78.2



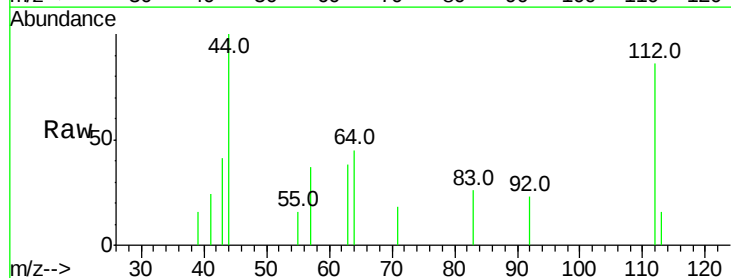
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



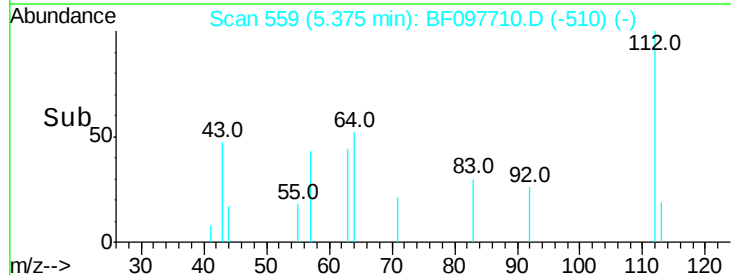
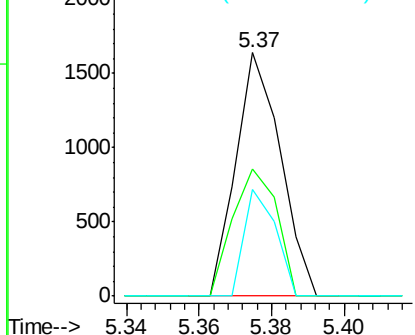
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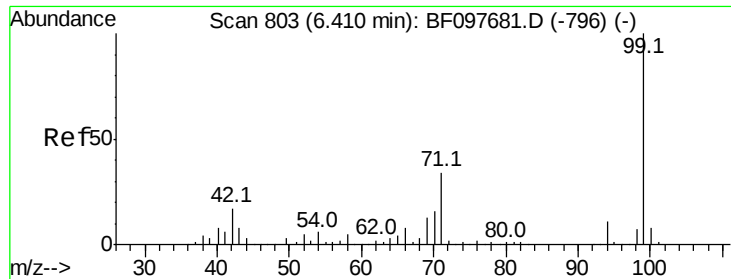
2-Fluorophenol
 Concen: 0.164 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF097710.D
 Acq: 16 Aug 2017 00:16

Tgt Ion:112 Resp: 1404
 Ion Ratio Lower Upper
 112 100
 64 52.1 46.0 69.0
 63 43.6 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: 0.125 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097710.D

Acq: 16 Aug 2017 00:16

Instrument :

BNA_F

ClientSampleId :

HAMILTON-PL-WATER-60

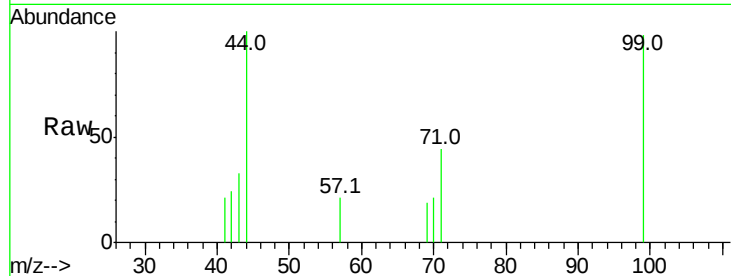
Tot Ion: 99 Resp: 1449

Ion Ratio Lower Upper

99 100

42 24.8 13.5 20.3#

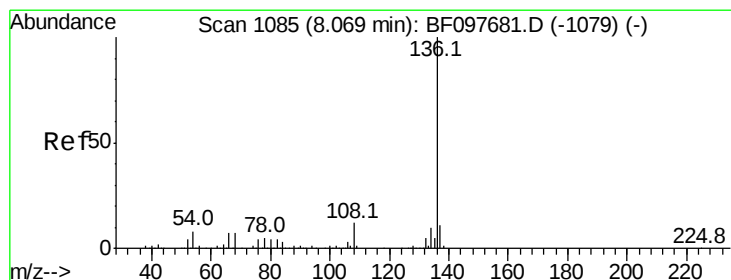
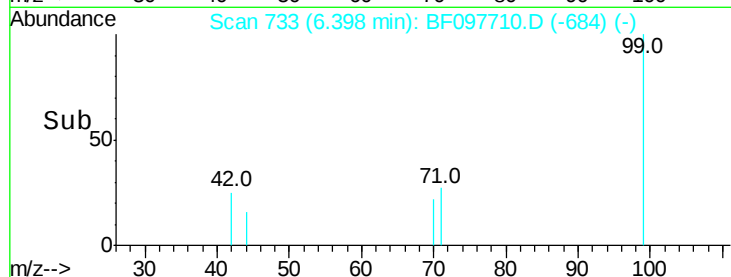
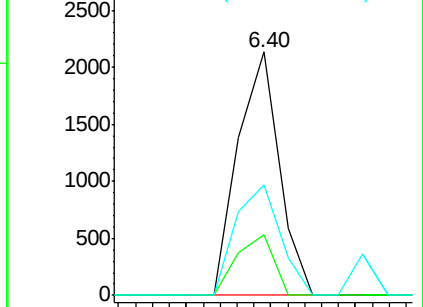
71 45.2 24.5 36.7#



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: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF097710.D

Acq: 16 Aug 2017 00:16

Tgt Ion: 136 Resp: 505137

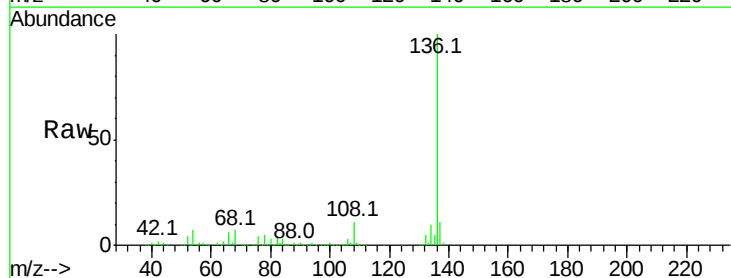
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.1 4.9 7.3

68 6.9 4.1 6.1#

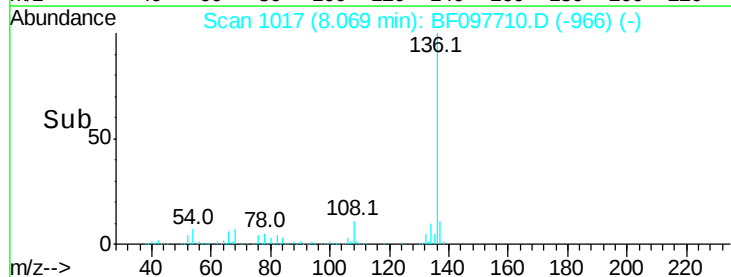
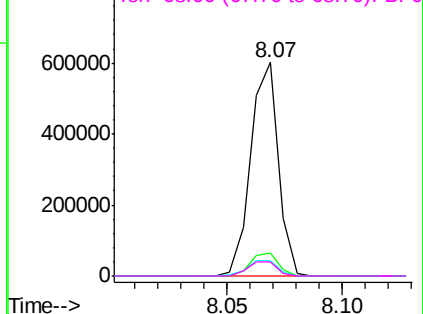


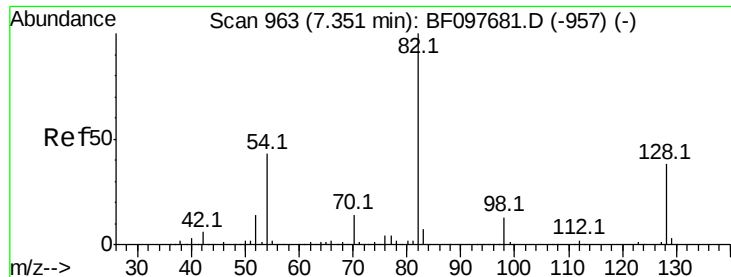
Abundance Ion 136.00 (135.70 to 136.70): E

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

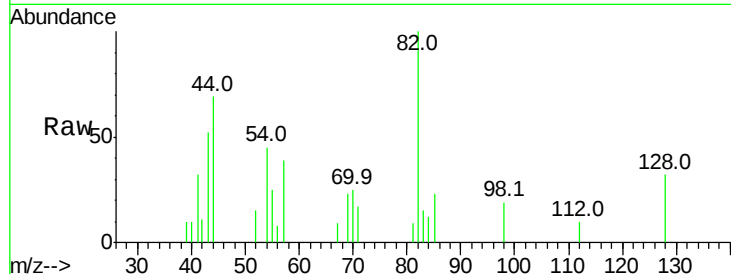




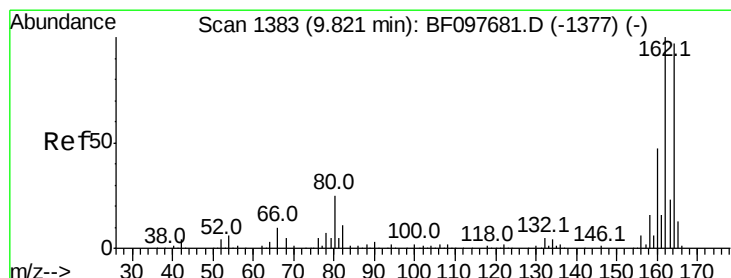
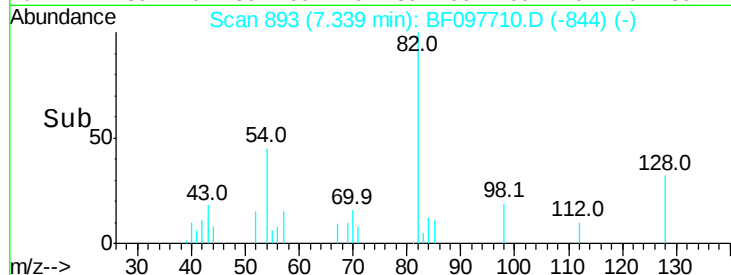
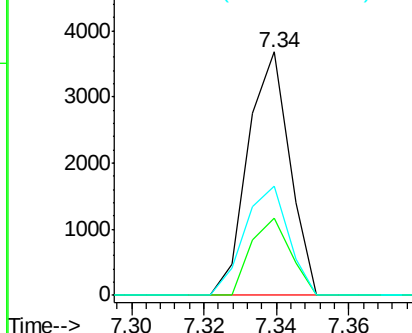
#23
 Nitrobenzene-d5
 Concen: 0.315 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097710.D
 Acq: 16 Aug 2017 00:16

Instrument :
 BNA_F
 ClientSampleId :
 HAMILTON-PL-WATER-60

Tot Ion: 82 Resp: 2930
 Ion Ratio Lower Upper
 82 100
 128 31.8 34.0 51.0#
 54 45.0 42.2 63.2

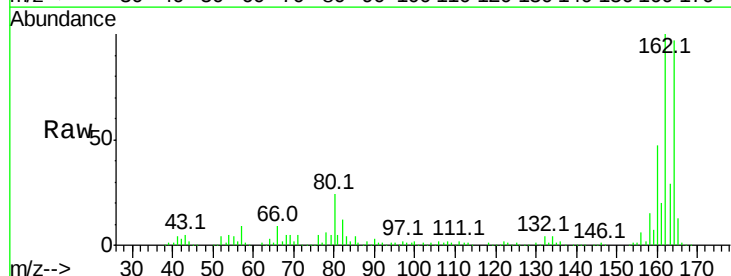


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

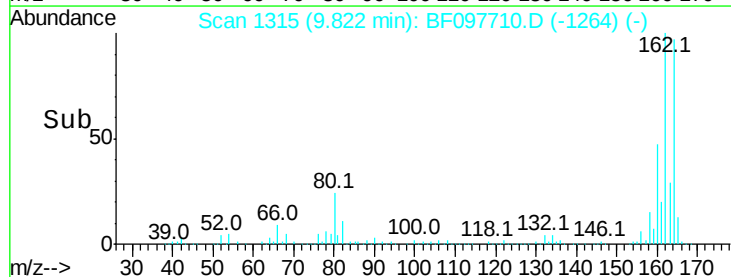
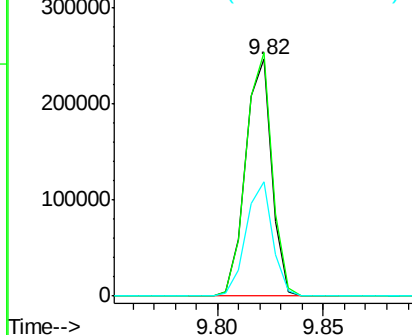


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BF097710.D
 Acq: 16 Aug 2017 00:16

Tgt Ion:164 Resp: 212494
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.6 123.8
 160 48.2 36.2 54.2



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

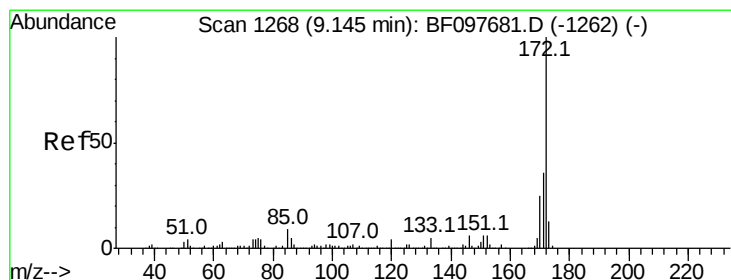
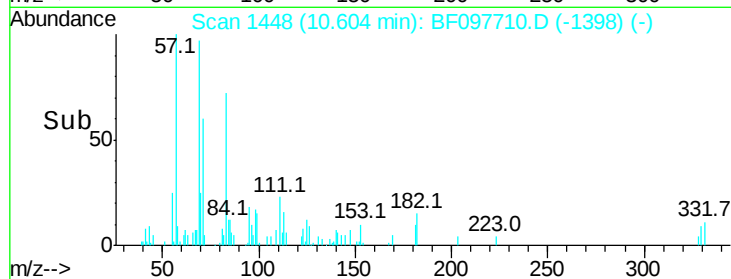
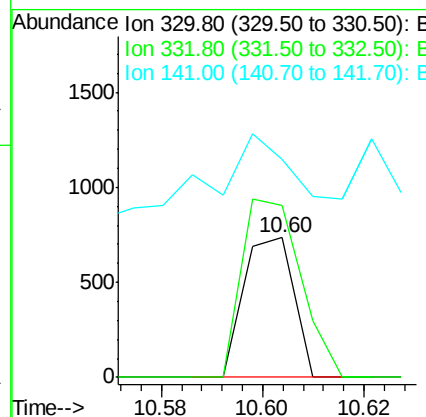
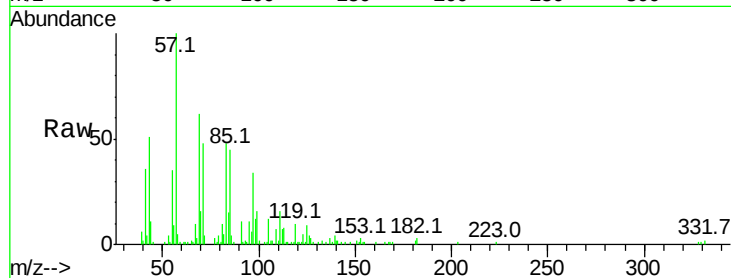




#41
 2,4,6-Tribromophenol
 Concen: 0.272 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097710.D
 Acq: 16 Aug 2017 00:16

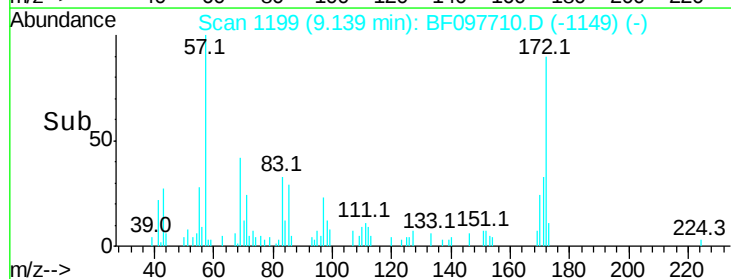
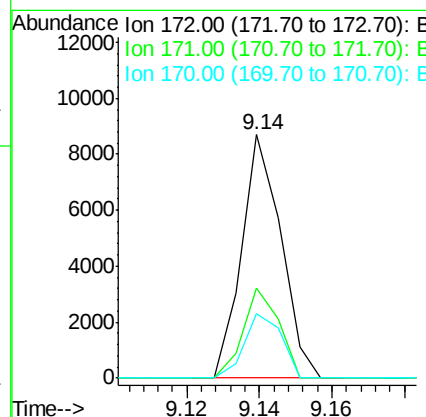
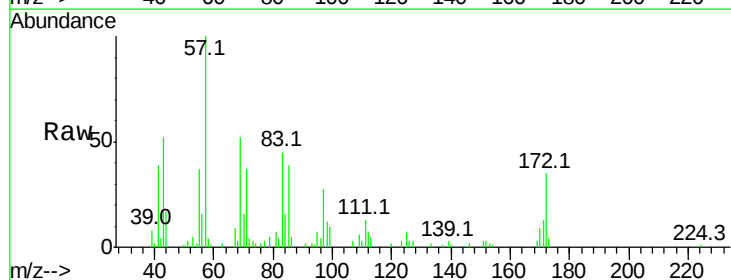
Instrument :
 BNA_F
 ClientSampleId :
 HAMILTON-PL-WATER-60

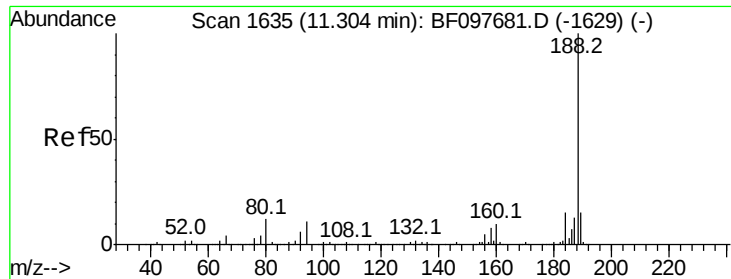
Tot Ion:330 Resp: 502
 Ion Ratio Lower Upper
 330 100
 332 151.0 76.6 115.0#
 141 70.3 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 0.454 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097710.D
 Acq: 16 Aug 2017 00:16

Tgt Ion:172 Resp: 6568
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.6 44.4
 170 26.7 19.8 29.8

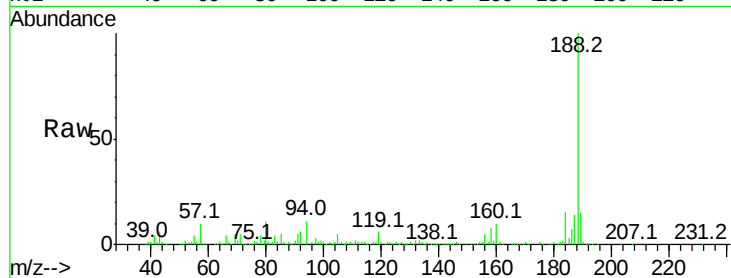




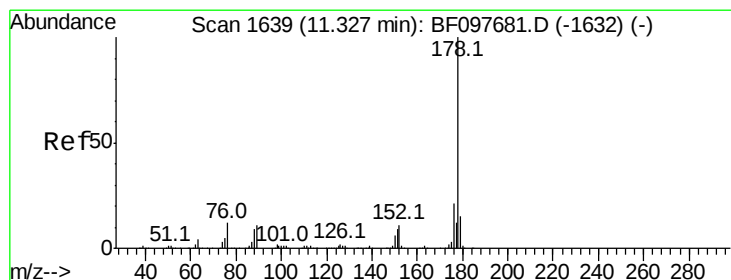
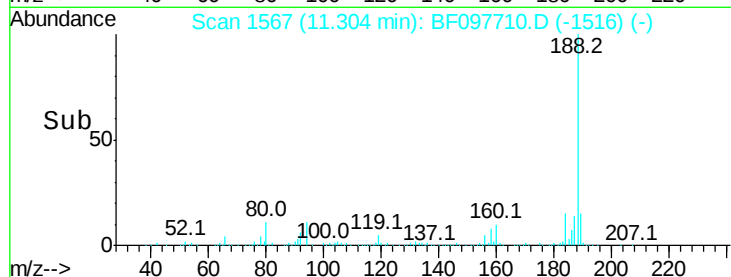
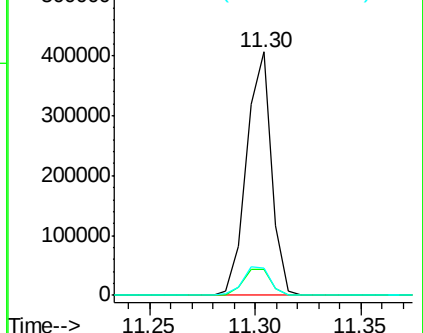
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-WATER-60

Tot Ion:188 Resp: 332288
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.4 10.2 15.2

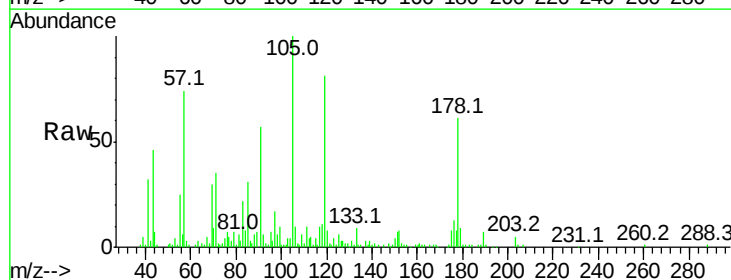


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

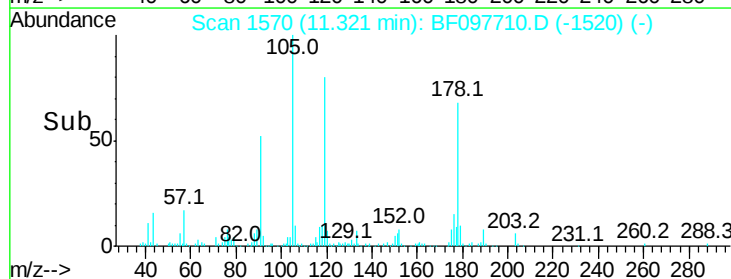
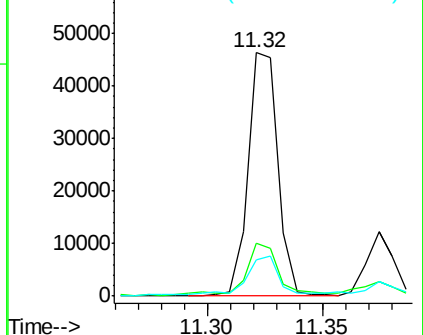


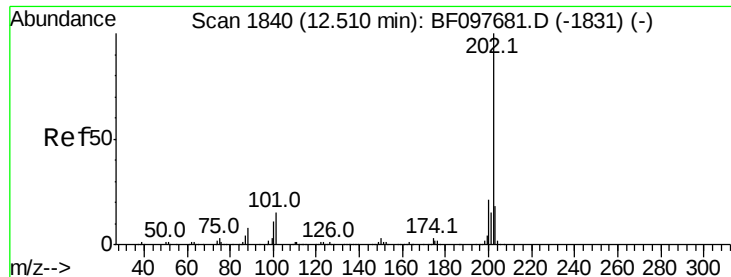
#70
Phenanthrene
Concen: 2.365 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Tgt Ion:178 Resp: 41878
Ion Ratio Lower Upper
178 100
176 21.8 16.2 24.4
179 15.1 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





#74

Fluoranthene

Concen: 4.604 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097710.D

Acq: 16 Aug 2017 00:16

Instrument :

BNA_F

ClientSampleId :

HAMILTON-PL-WATER-60

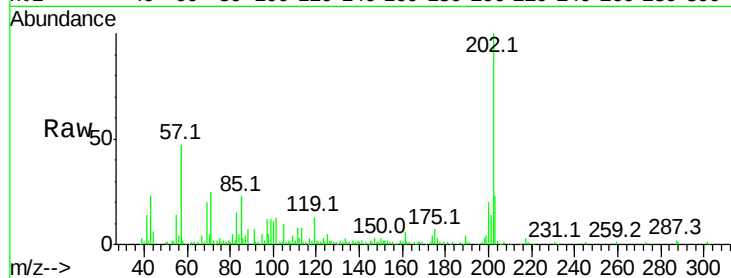
Tot Ion:202 Resp: 85081

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

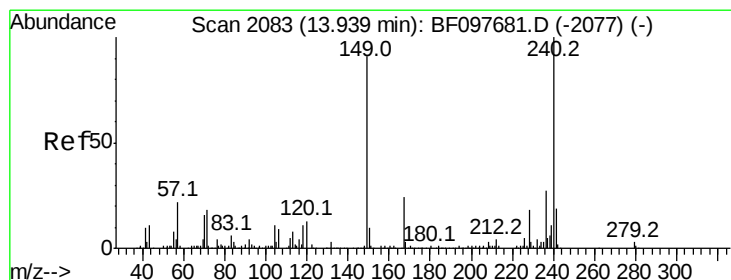
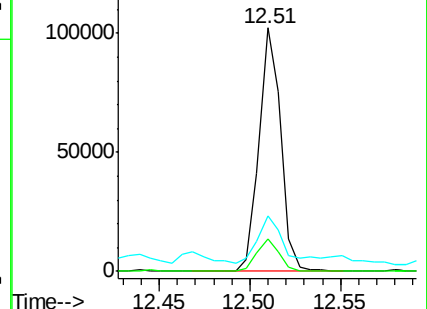
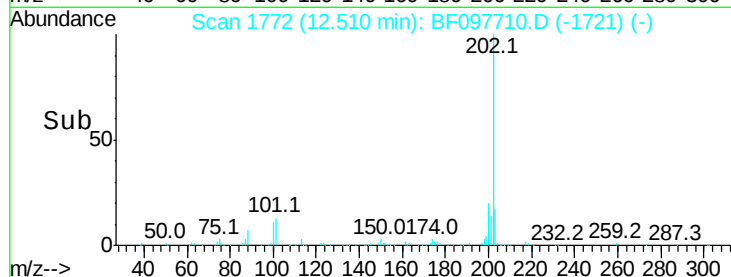
203 22.7 0.0 38.1



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: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097710.D

Acq: 16 Aug 2017 00:16

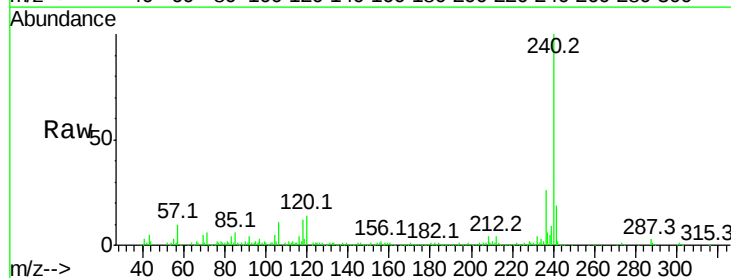
Tgt Ion:240 Resp: 262209

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

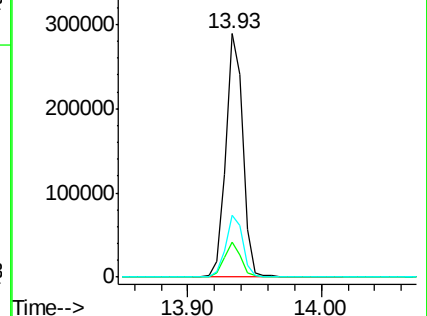
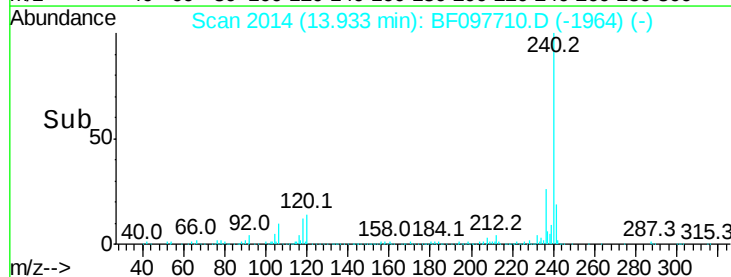
236 25.6 20.5 30.7

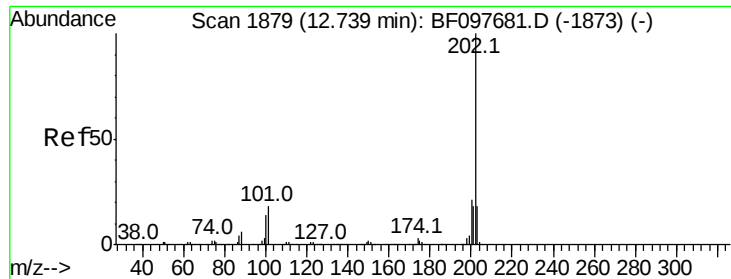


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

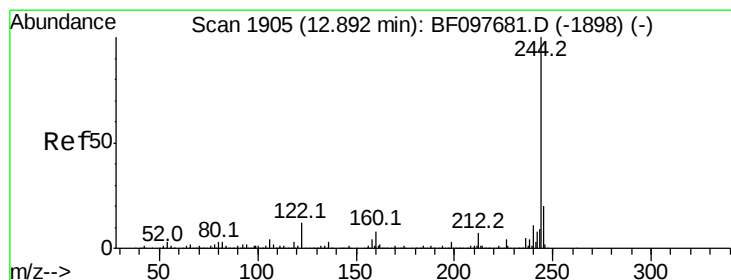
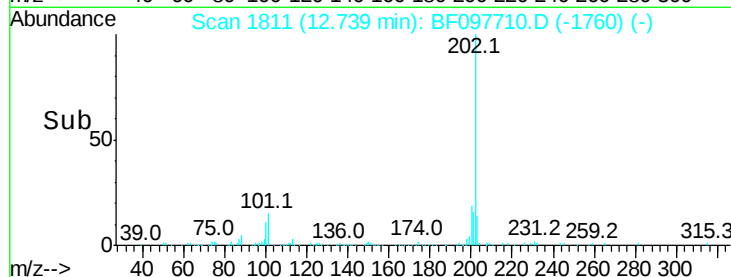
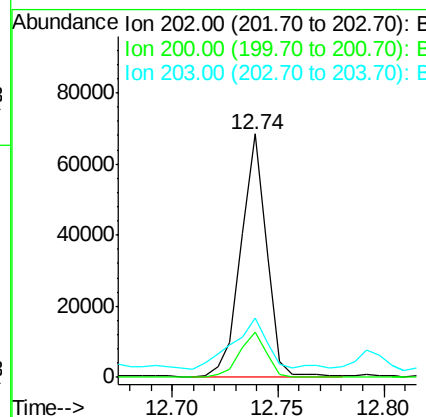
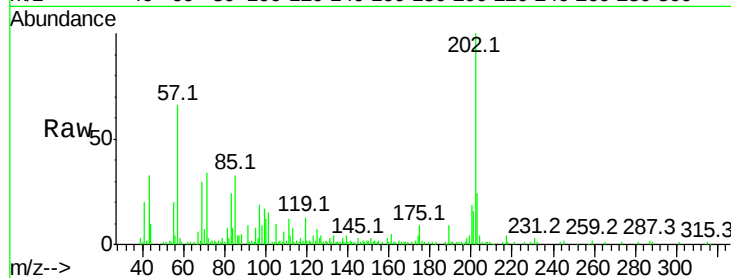




#77
Pvrene
Concen: 2.690 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

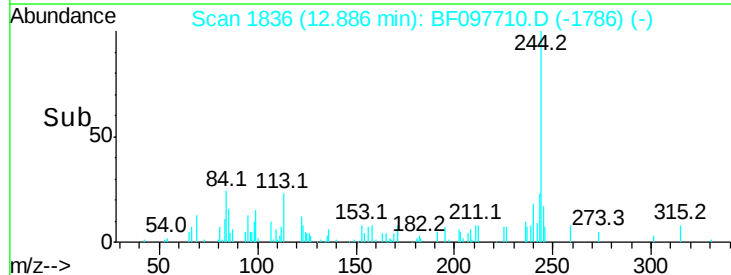
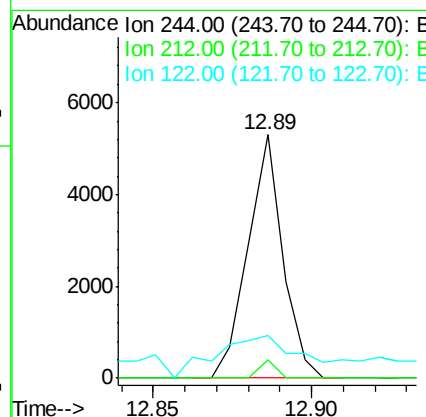
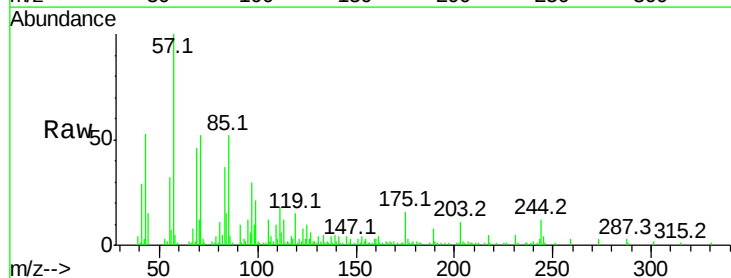
Instrument :
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HAMILTON-PL-WATER-60

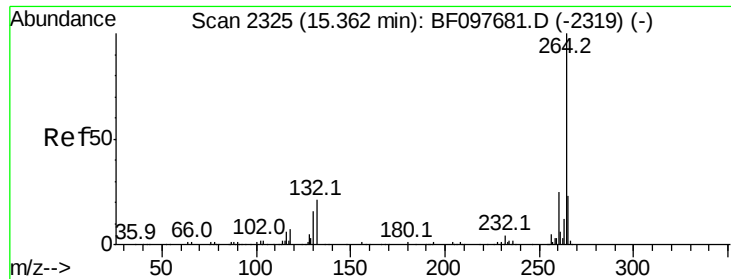
Tot Ion:202 Resp: 57688
Ion Ratio Lower Upper
202 100
200 18.5 17.6 26.4
203 24.4 14.4 21.6#



#78
Terphenyl-d14
Concen: 0.321 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Tgt Ion:244 Resp: 4039
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 17.8 10.3 15.5#

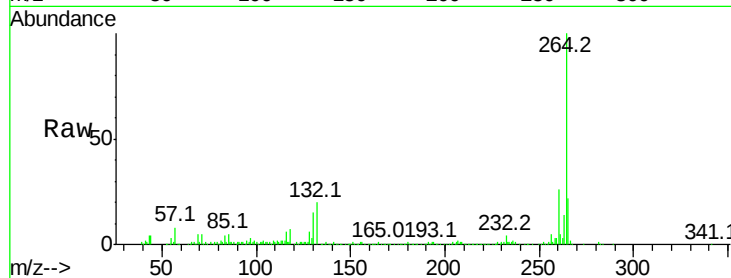




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097710.D
Acq: 16 Aug 2017 00:16

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-WATER-60

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.5	29.3
265	21.5	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

