

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097428.D
 Acq On : 7 Aug 2017 14:32
 Operator : SJ/JU
 Sample : I4584-01RE 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-080217RE

Quant Time: Aug 07 15:40:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

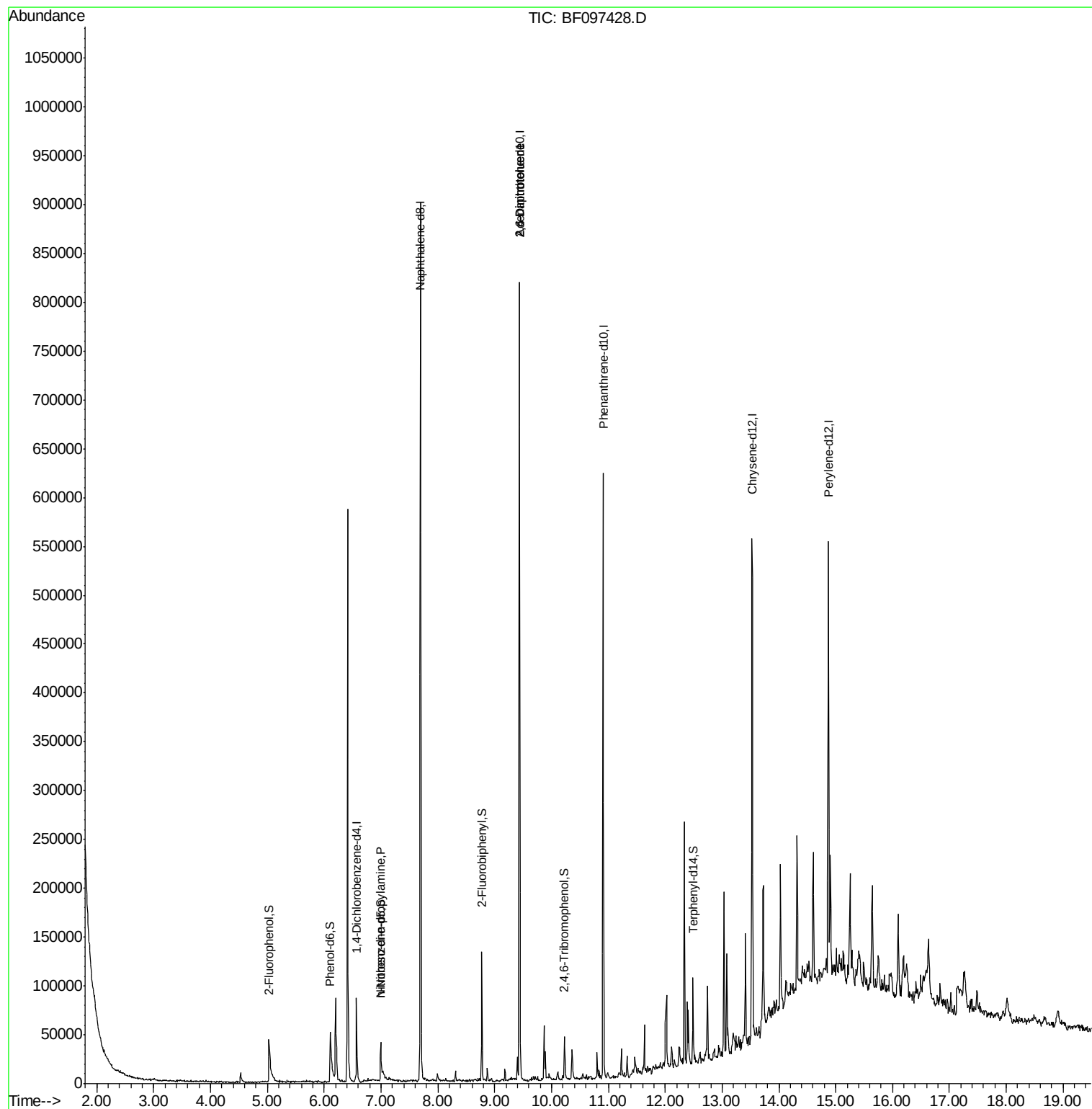
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	14677	20.00	ng	0.07
21) Naphthalene-d8	7.69	136	381281	20.00	ng	-0.09
38) Acenaphthene-d10	9.43	164	156603	20.00	ng	-0.10
63) Phenanthrene-d10	10.91	188	224073	20.00	ng	-0.09
75) Chrysene-d12	13.53	240	175309	20.00	ng	-0.10
86) Perylene-d12	14.87	264	175631	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	30393	31.22	ng	-0.07
7) Phenol-d6	6.10	99	38764	34.88	ng	-0.06
23) Nitrobenzene-d5	6.99	82	20343	3.13	ng	-0.08
41) 2,4,6-Tribromophenol	10.23	330	5109	4.13	ng	-0.09
44) 2-Fluorobiphenyl	8.77	172	41129	4.46	ng	-0.10
78) Terphenyl-d14	12.49	244	24913	2.90	ng	-0.10
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.99	70	2159	2.951	ng	# 80
50) 2,6-Dinitrotoluene	9.43	165	19443	7.709	ng	# 33
56) 2,4-Dinitrotoluene	9.43	165	19443	6.706	ng	# 32

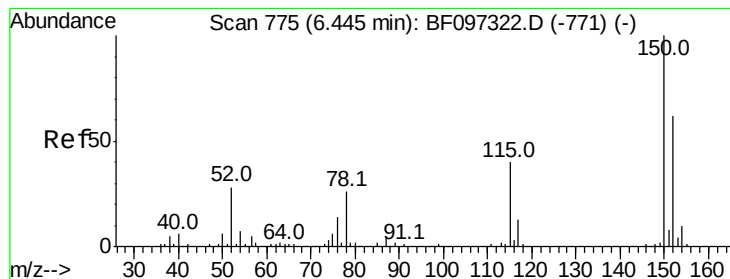
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.57 min Scan# 813

Delta R.T. 0.07 min

Lab File: BF097428.D

Acq: 7 Aug 2017 14:32

Instrument :

BNA_F

ClientSampleId :

OK-01-080217RE

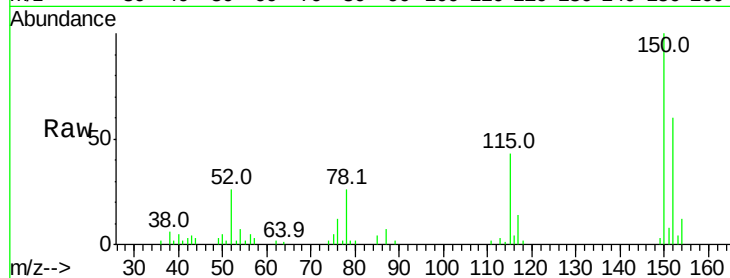
Tot Ion:152 Resp: 14677

Ion Ratio Lower Upper

152 100

150 167.2 126.2 189.2

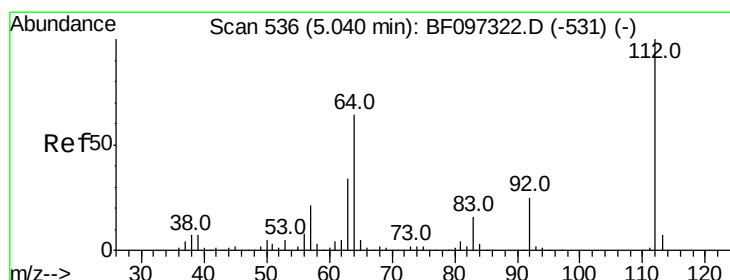
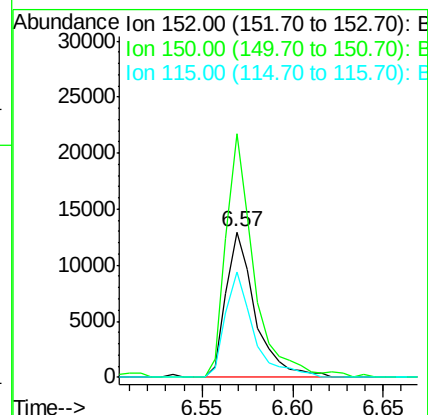
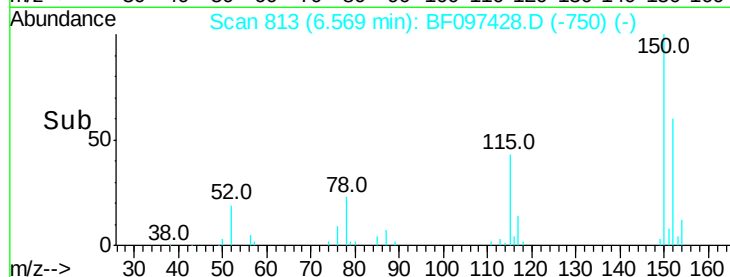
115 72.3 52.2 78.2



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: 31.217 ng

RT: 5.03 min Scan# 551

Delta R.T. -0.07 min

Lab File: BF097428.D

Acq: 7 Aug 2017 14:32

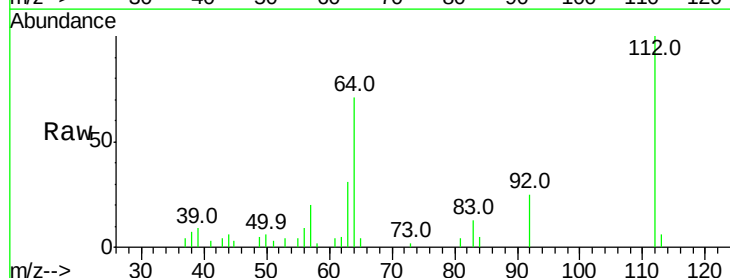
Tgt Ion:112 Resp: 30393

Ion Ratio Lower Upper

112 100

64 71.2 46.0 69.0#

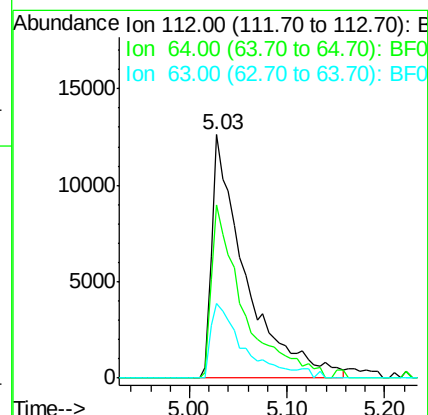
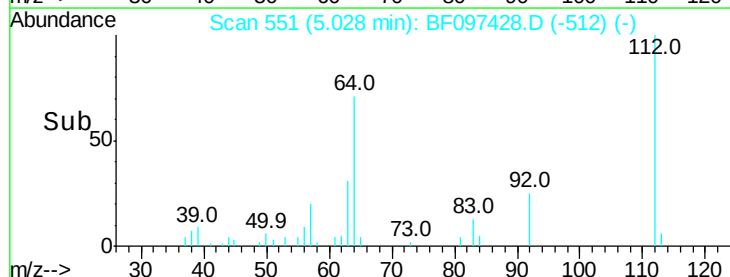
63 30.8 23.4 35.0

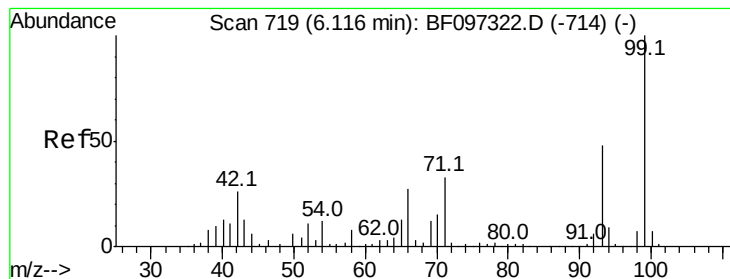


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.876 ng

RT: 6.10 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF097428.D

Acq: 7 Aug 2017 14:32

Instrument :

BNA_F

ClientSampleId :

OK-01-080217RE

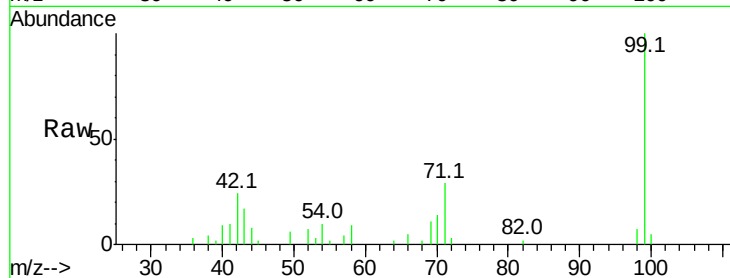
Tot Ion: 99 Resp: 38764

Ion Ratio Lower Upper

99 100

42 23.7 13.5 20.3#

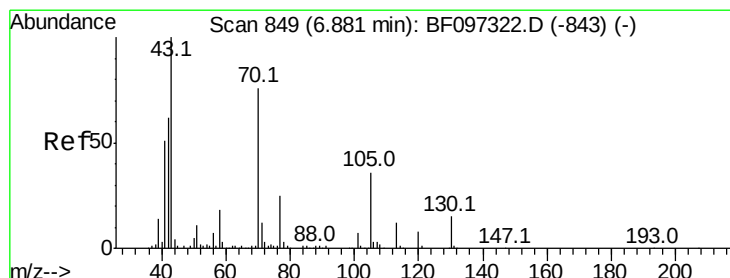
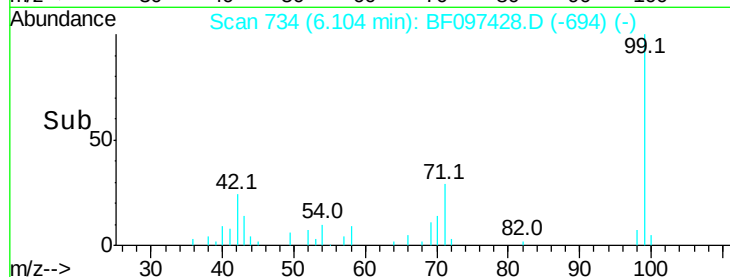
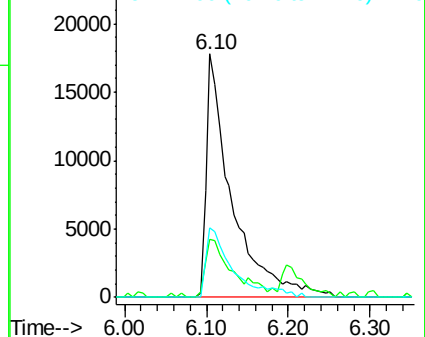
71 28.7 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.951 ng

RT: 6.99 min Scan# 885

Delta R.T. 0.06 min

Lab File: BF097428.D

Acq: 7 Aug 2017 14:32

Tgt Ion: 70 Resp: 2159

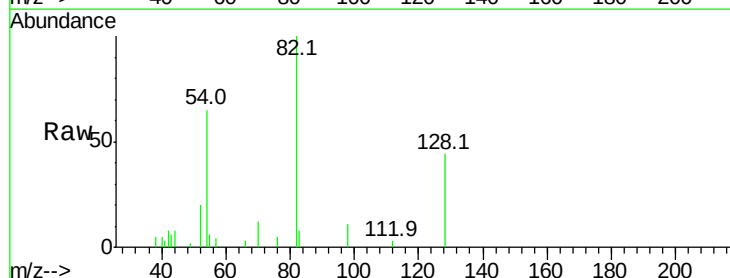
Ion Ratio Lower Upper

70 100

42 67.2 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

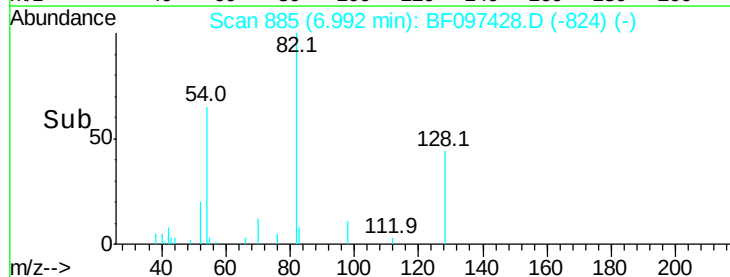
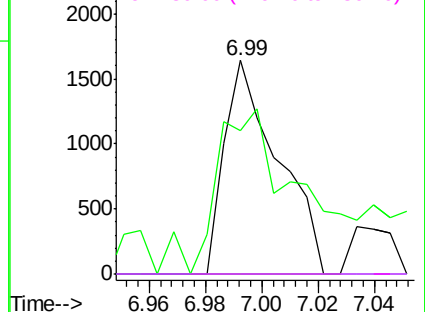


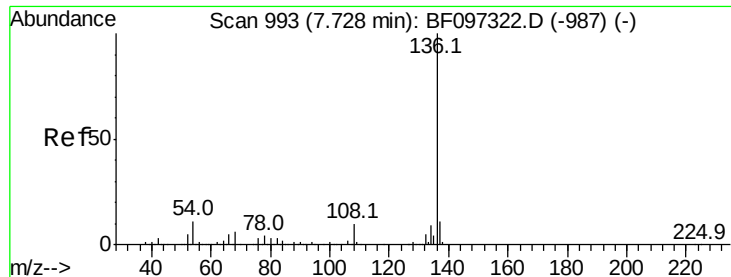
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

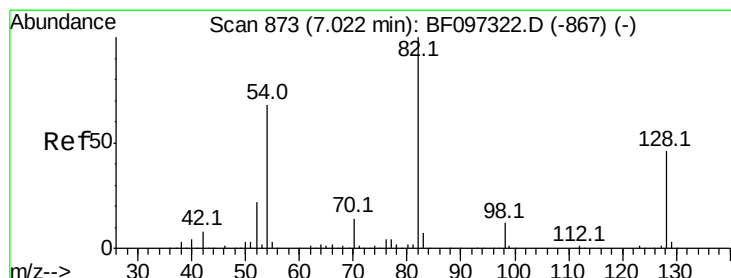
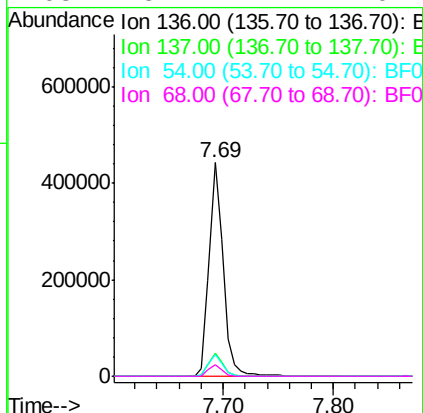
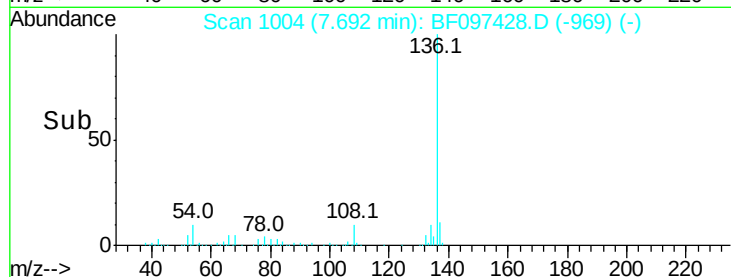
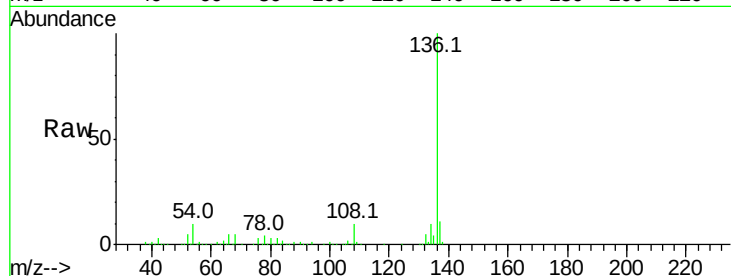




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1004
Delta R.T. -0.09 min
Lab File: BF097428.D
Acq: 7 Aug 2017 14:32

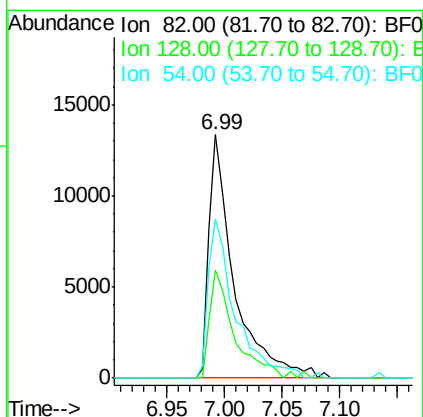
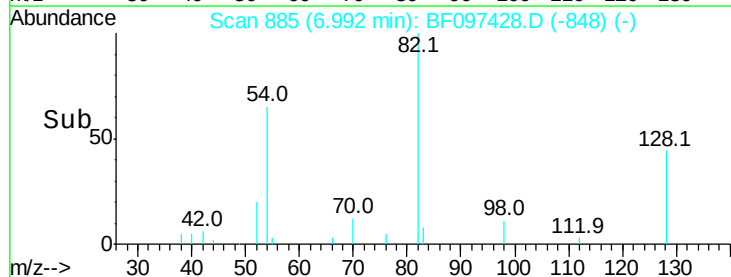
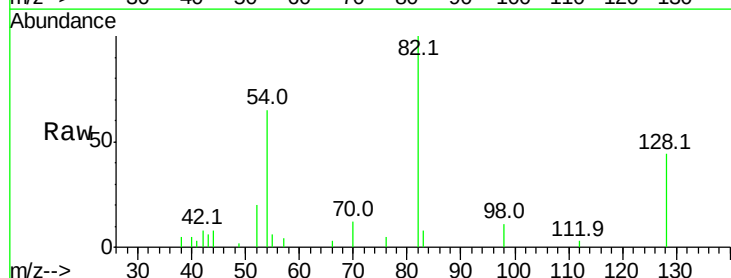
Instrument :
BNA_F
ClientSampleId :
OK-01-080217RE

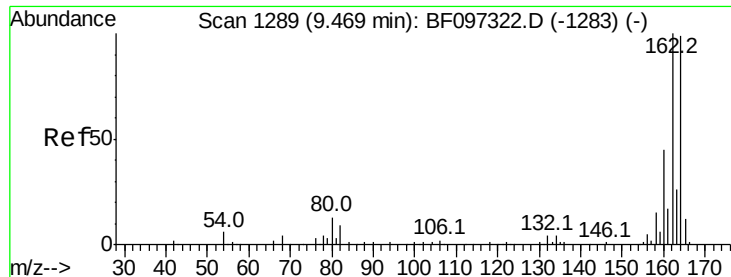
Tot Ion:	136	Resp:	381281
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	10.5	4.9	7.3#
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 3.130 ng
RT: 6.99 min Scan# 885
Delta R.T. -0.08 min
Lab File: BF097428.D
Acq: 7 Aug 2017 14:32

Tgt Ion:	82	Resp:	20343
Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.0	51.0
54	65.4	42.2	63.2#

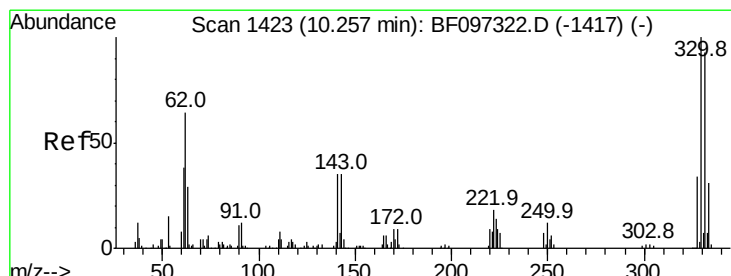
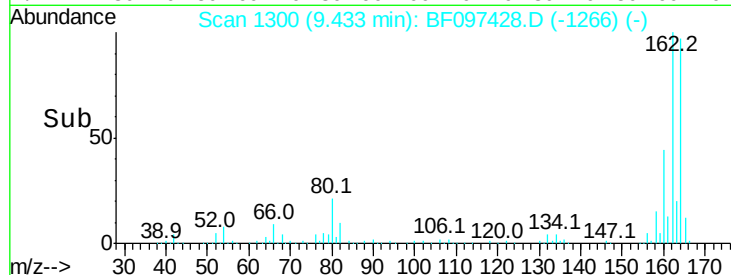
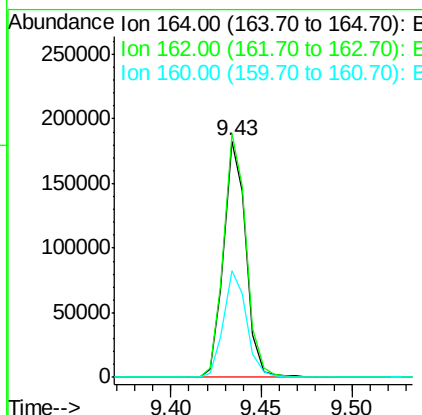
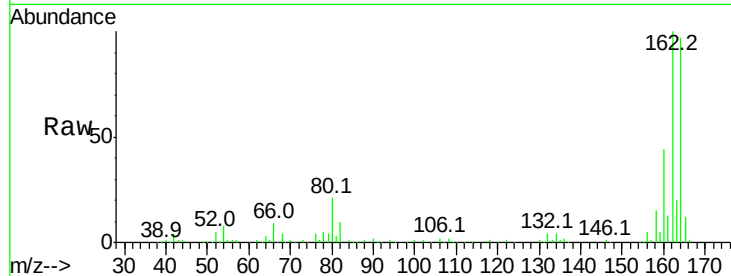




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.10 min
 Lab File: BF097428.D
 Acq: 7 Aug 2017 14:32

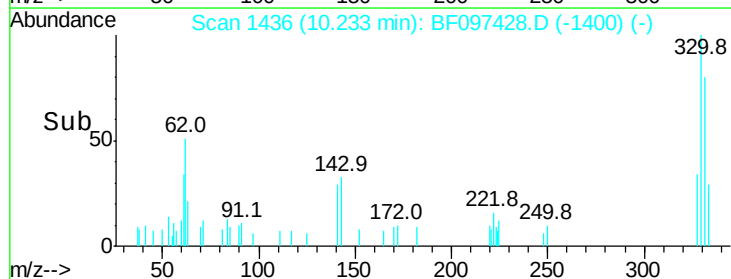
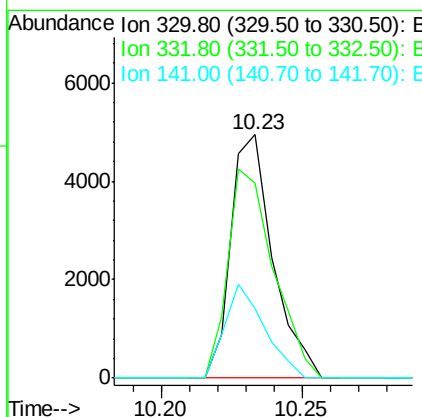
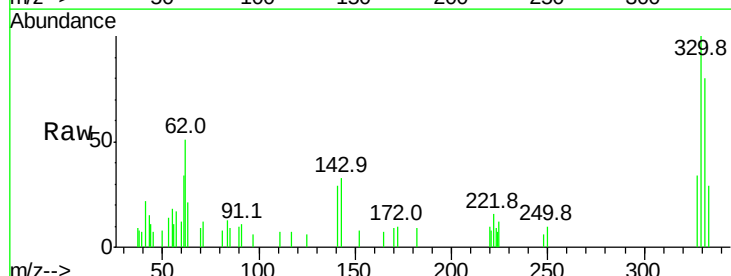
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-080217RE

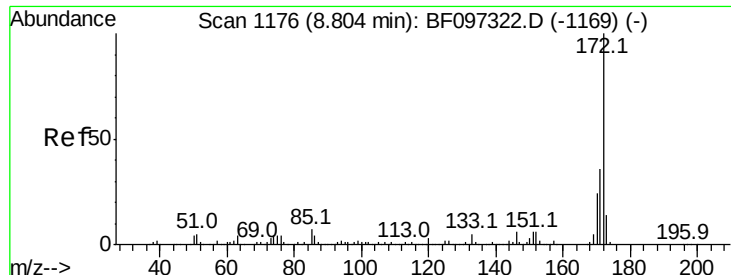
Tot Ion:164 Resp: 156603
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 45.3 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 4.129 ng
 RT: 10.23 min Scan# 1436
 Delta R.T. -0.09 min
 Lab File: BF097428.D
 Acq: 7 Aug 2017 14:32

Tgt Ion:330 Resp: 5109
 Ion Ratio Lower Upper
 330 100
 332 93.2 76.6 115.0
 141 36.7 31.4 47.2

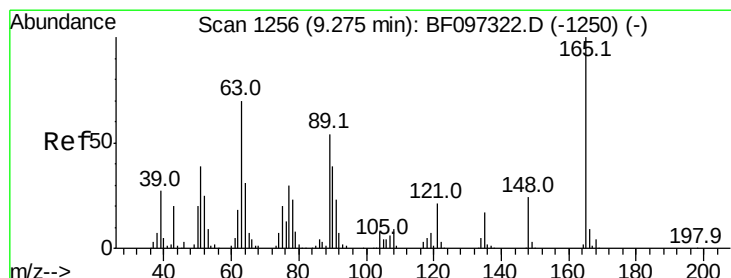
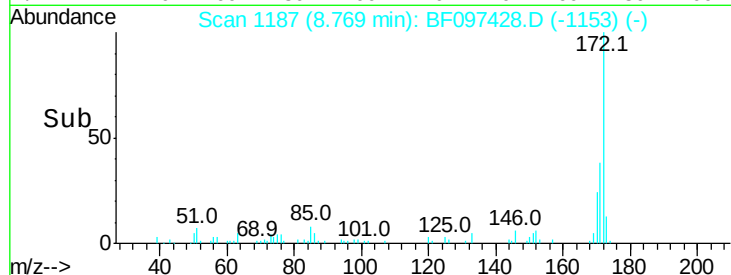
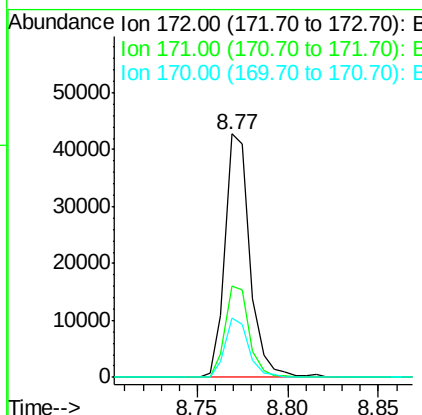
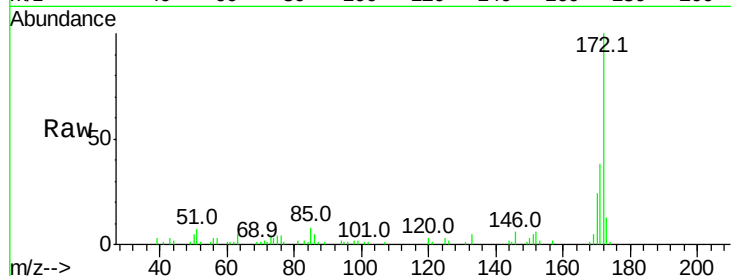




#44
2-Fluorobiphenyl
Concen: 4.457 ng
RT: 8.77 min Scan# 1187
Delta R.T. -0.10 min
Lab File: BF097428.D
Acq: 7 Aug 2017 14:32

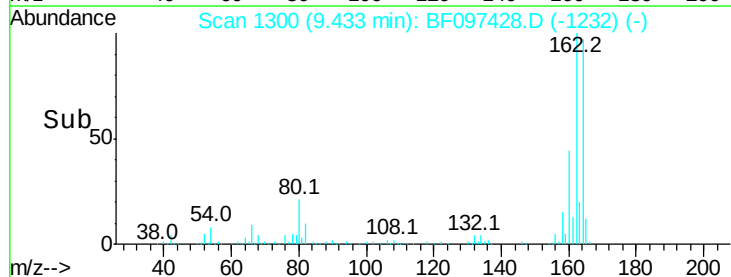
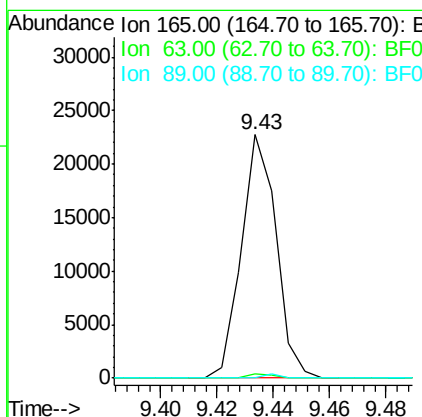
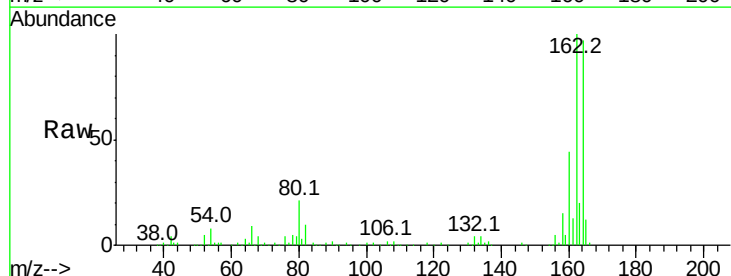
Instrument :
BNA_F
ClientSampleId :
OK-01-080217RE

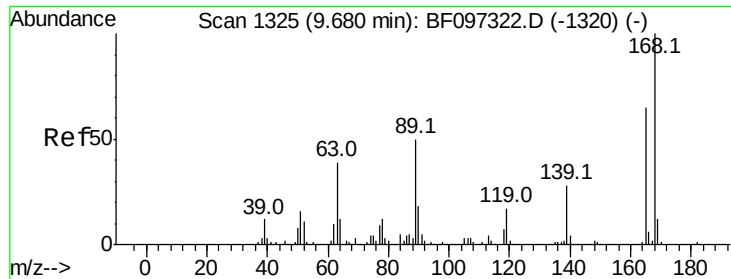
Tot Ion:172 Resp: 41129
Ion Ratio Lower Upper
172 100
171 37.6 29.6 44.4
170 24.2 19.8 29.8



#50
2,6-Dinitrotoluene
Concen: 7.709 ng
RT: 9.43 min Scan# 1300
Delta R.T. 0.10 min
Lab File: BF097428.D
Acq: 7 Aug 2017 14:32

Tgt Ion:165 Resp: 19443
Ion Ratio Lower Upper
165 100
63 1.9 34.3 51.5#
89 0.0 37.1 55.7#

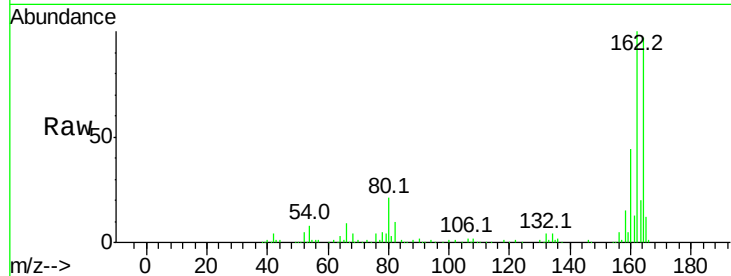




#56
 2,4-Dinitrotoluene
 Concen: 6.706 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.30 min
 Lab File: BF097428.D
 Acq: 7 Aug 2017 14:32

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-080217RE

Tot Ion:	165	Resp:	19443
Ion Ratio	Lower	Upper	
165	100		
63	1.9	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

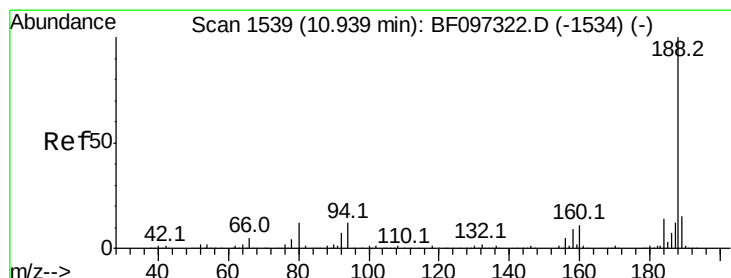
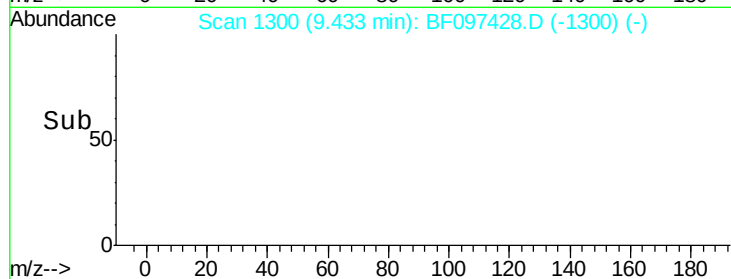
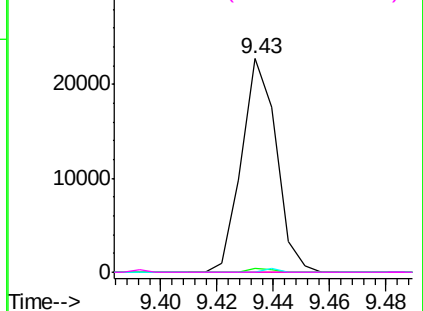


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

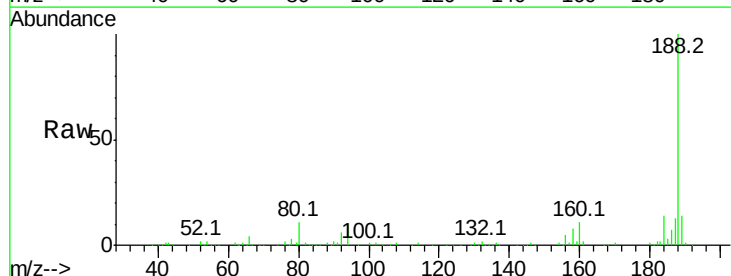
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.91 min Scan# 1551
 Delta R.T. -0.09 min
 Lab File: BF097428.D
 Acq: 7 Aug 2017 14:32

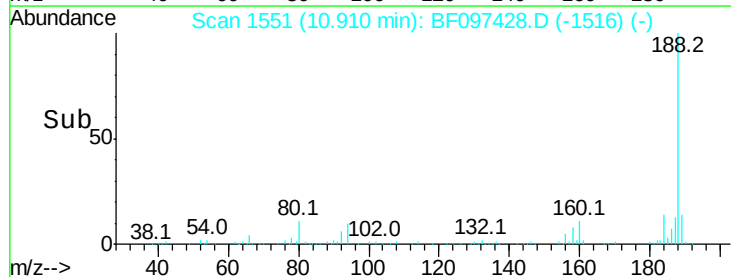
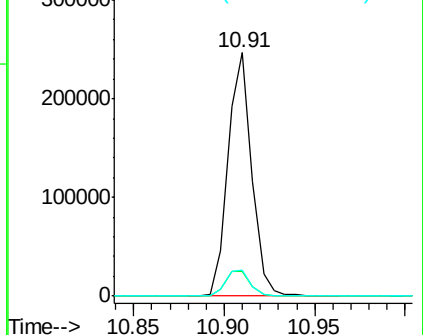
Tgt Ion:	188	Resp:	224073
Ion Ratio	Lower	Upper	
188	100		
94	10.3	9.4	14.2
80	10.6	10.2	15.2

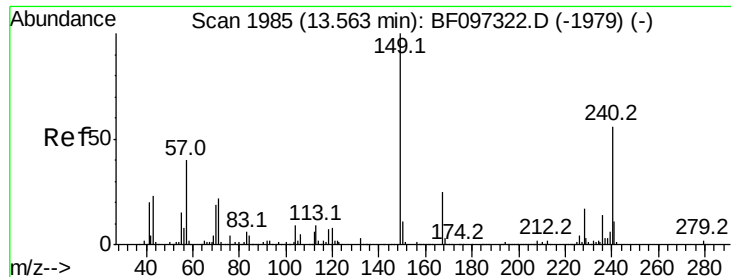


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.53 min Scan# 1996

Delta R.T. -0.10 min

Lab File: BF097428.D

Acq: 7 Aug 2017 14:32

Instrument :

BNA_F

ClientSampleId :

OK-01-080217RE

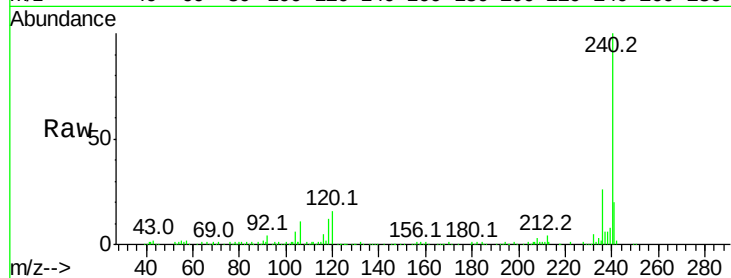
Tot Ion:240 Resp: 175309

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

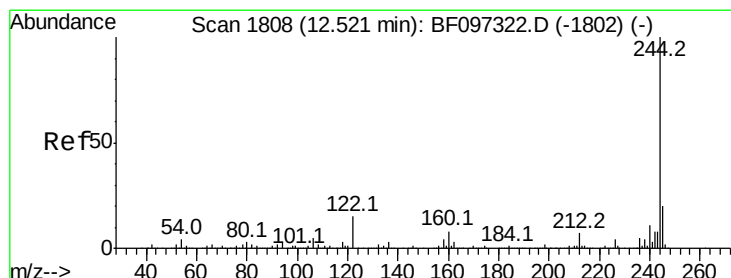
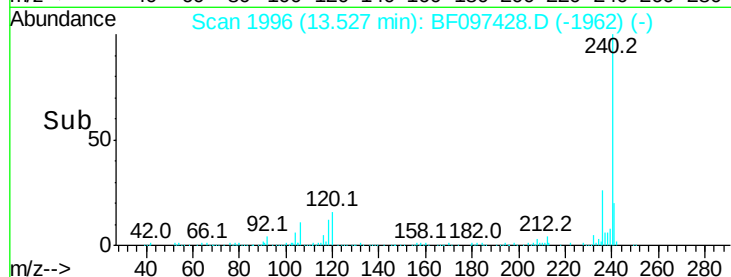
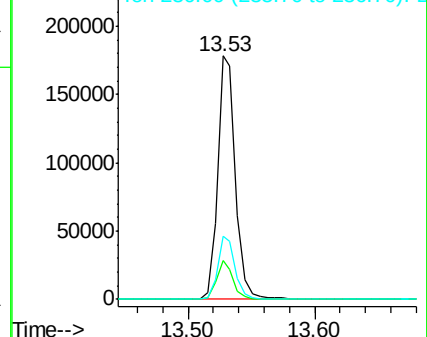
236 26.1 20.5 30.7



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: 2.897 ng

RT: 12.49 min Scan# 1819

Delta R.T. -0.10 min

Lab File: BF097428.D

Acq: 7 Aug 2017 14:32

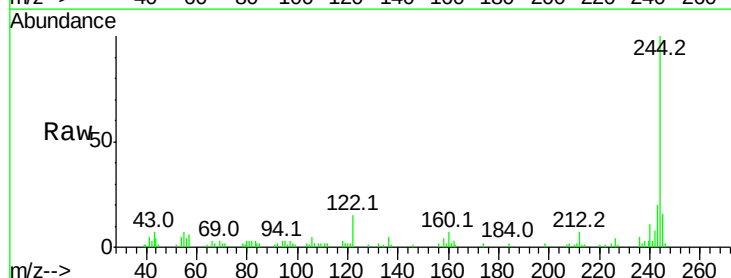
Tgt Ion:244 Resp: 24913

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

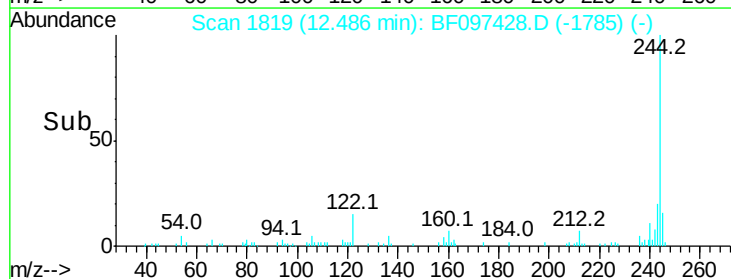
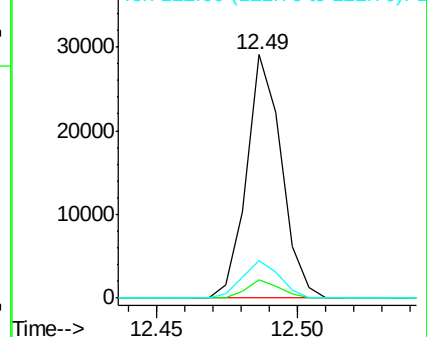
122 15.2 10.3 15.5

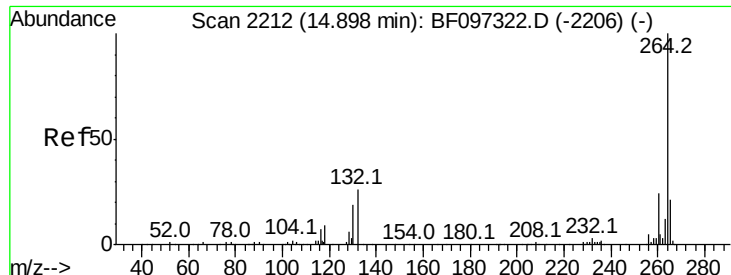


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

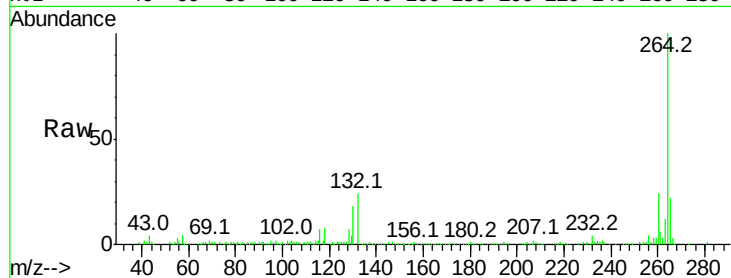




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.87 min Scan# 2224
 Delta R.T. -0.11 min
 Lab File: BF097428.D
 Acq: 7 Aug 2017 14:32

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-080217RE

Tot Ion:264 Resp: 175631
 Ion Ratio Lower Upper
 264 100
 260 23.5 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

