

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097302.D
 Acq On : 3 Aug 2017 6:26
 Operator : SJ/JU
 Sample : I4537-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

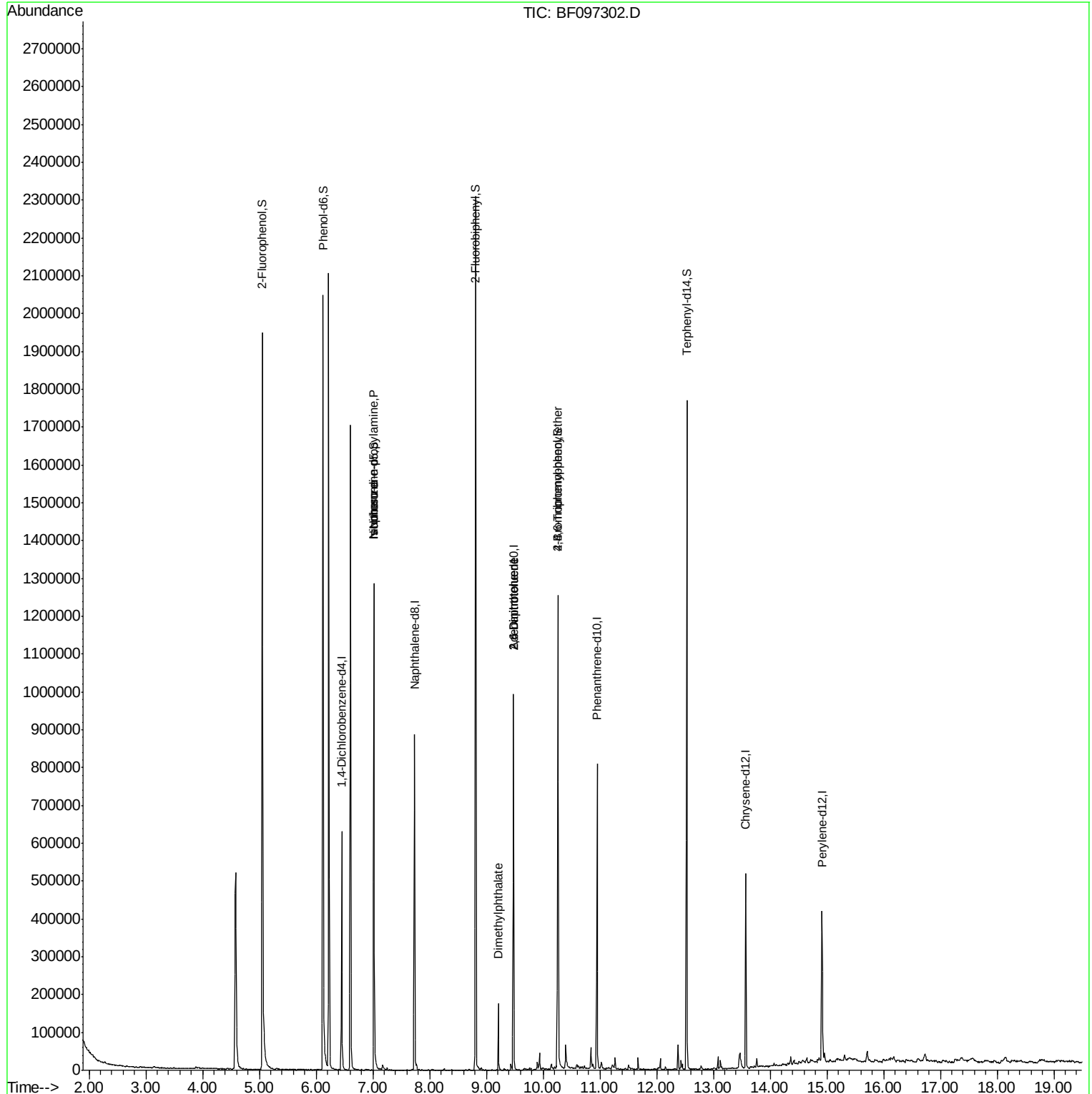
Quant Time: Aug 03 06:53:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

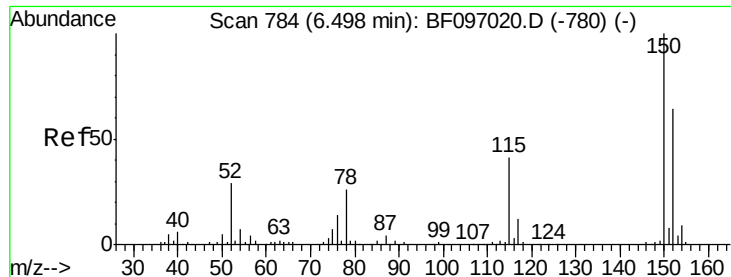
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	94658	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	405982	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	186541	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	295349	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	174159	20.00	ng	-0.06
86) Perylene-d12	14.92	264	159806	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	623010	99.22	ng	-0.05
7) Phenol-d6	6.12	99	732397	102.17	ng	-0.05
23) Nitrobenzene-d5	7.02	82	402515	58.16	ng	-0.05
41) 2,4,6-Tribromophenol	10.26	330	135401	91.87	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	760174	69.16	ng	-0.06
78) Terphenyl-d14	12.53	244	548722	64.24	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.02	70	53236	11.28	ng	# 88
25) Isophorone	7.02	82	391393	28.88	ng	# 67
49) Dimethylphthalate	9.21	163	63870	4.51	ng	99
50) 2,6-Dinitrotoluene	9.47	165	23310	7.76	ng	# 33
56) 2,4-Dinitrotoluene	9.47	165	23310	6.75	ng	# 33
66) 4-Bromophenyl-phenylether	10.26	248	8382	2.84	ng	# 1

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

```
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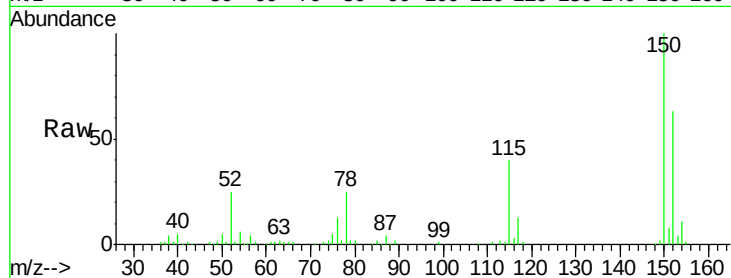


#1

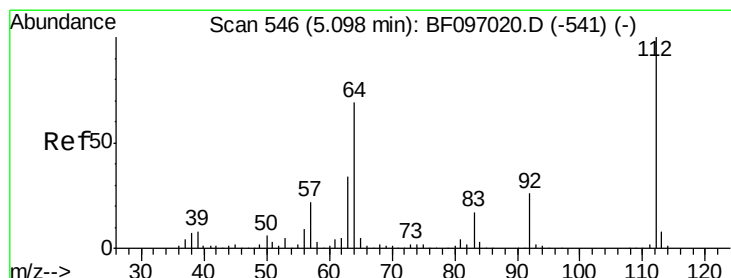
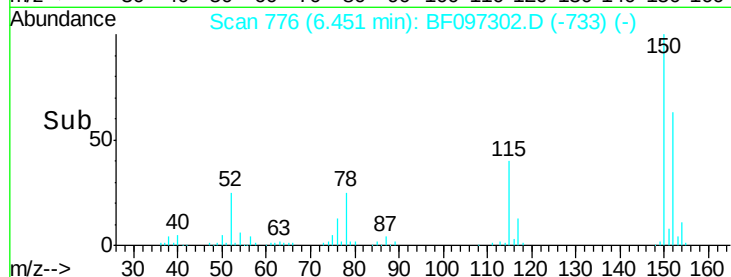
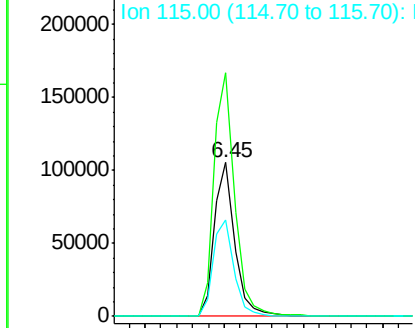
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097302.D
Acq: 3 Aug 2017 6:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 94658
Ion Ratio Lower Upper
152 100
150 158.3 126.2 189.2
115 62.6 52.2 78.2



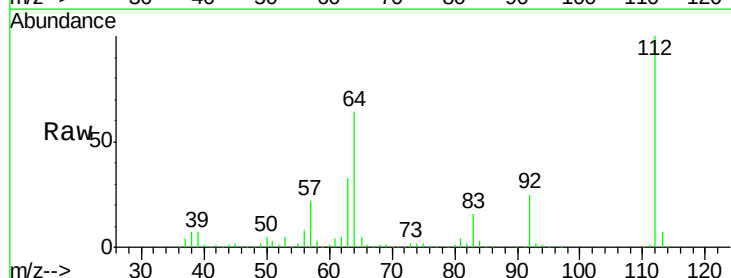
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



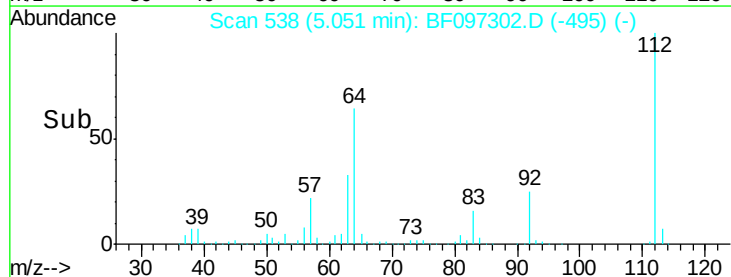
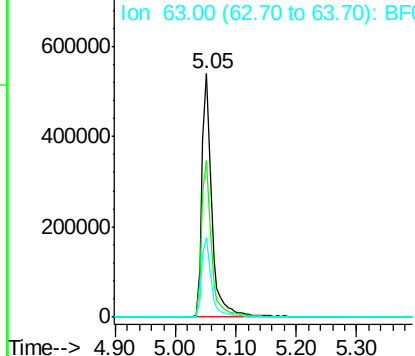
#5

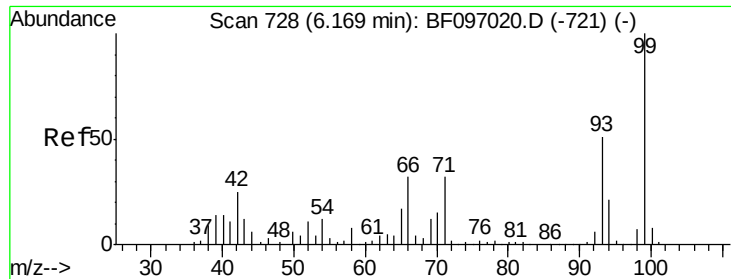
2-Fluorophenol
Concen: 99.22 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097302.D
Acq: 3 Aug 2017 6:26

Tgt Ion:112 Resp: 623010
Ion Ratio Lower Upper
112 100
64 64.5 46.0 69.0
63 32.6 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: 102.17 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097302.D

Acq: 3 Aug 2017 6:26

Instrument :

BNA_F

ClientSampleId :

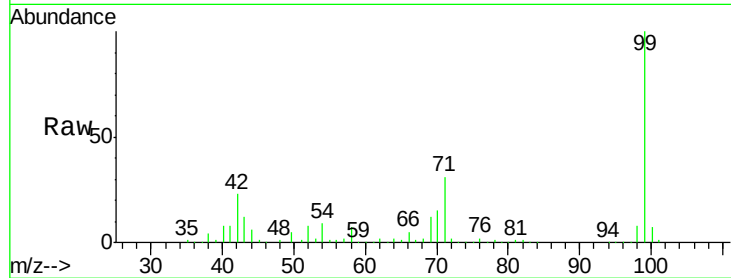
Tot Ion: 99 Resp: 732397

Ion Ratio Lower Upper

99 100

42 22.7 13.5 20.3#

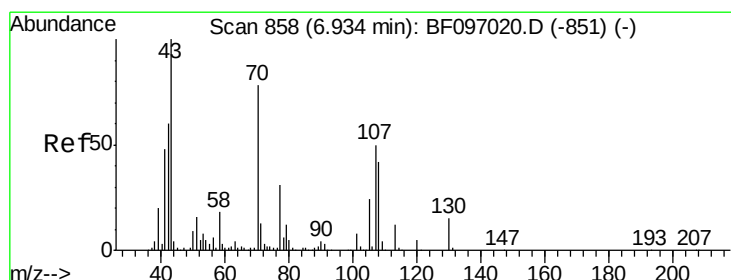
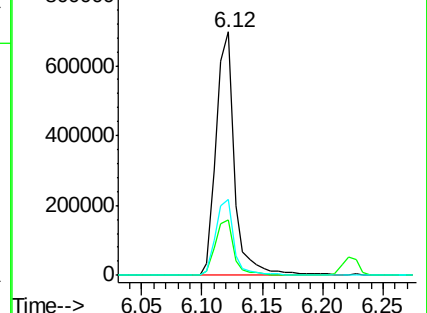
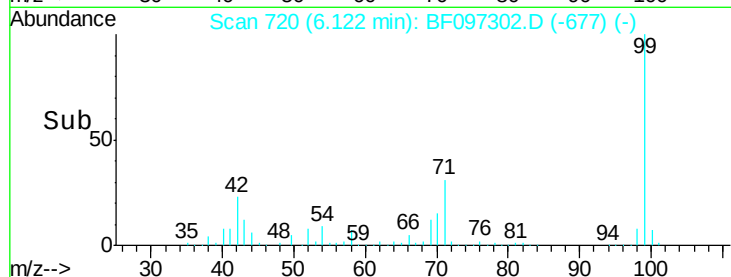
71 31.3 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.28 ng

RT: 7.02 min Scan# 873

Delta R.T. 0.09 min

Lab File: BF097302.D

Acq: 3 Aug 2017 6:26

Tgt Ion: 70 Resp: 53236

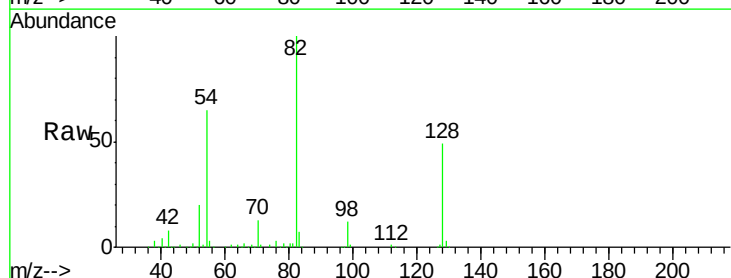
Ion Ratio Lower Upper

70 100

42 59.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

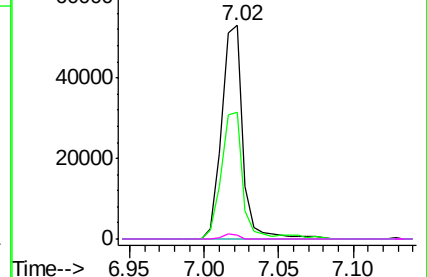
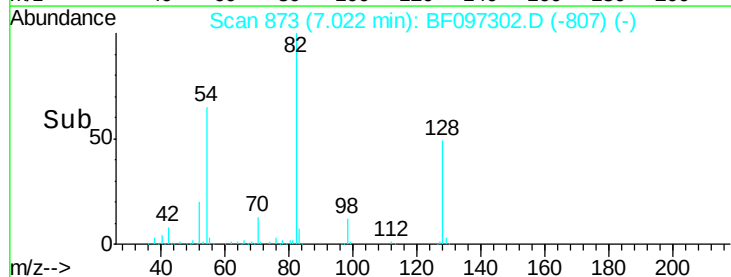


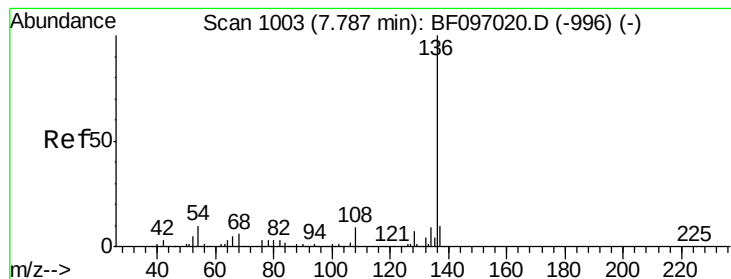
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.73 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF097302.D

Acq: 3 Aug 2017 6:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 405982

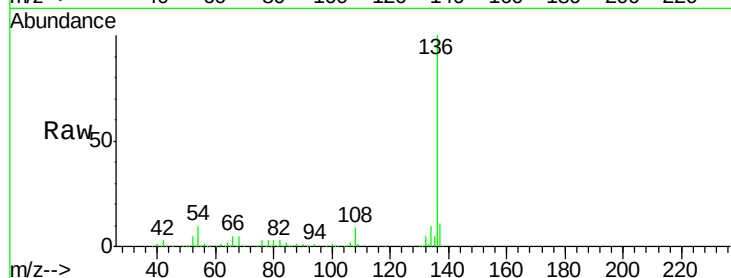
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.4 4.9 7.3#

68 5.1 4.1 6.1

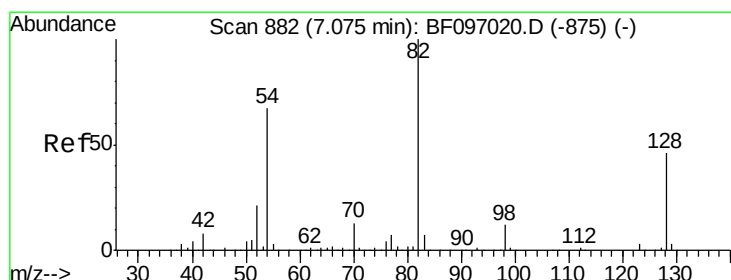
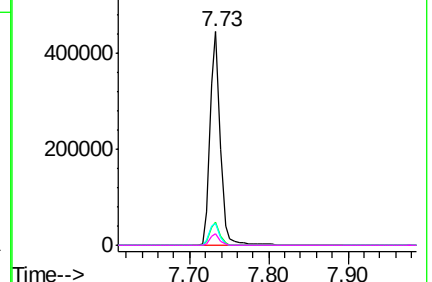
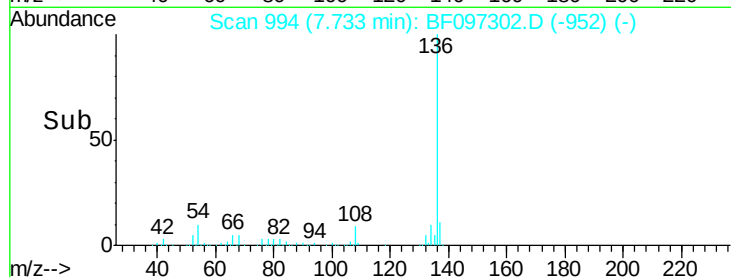


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.16 ng

RT: 7.02 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF097302.D

Acq: 3 Aug 2017 6:26

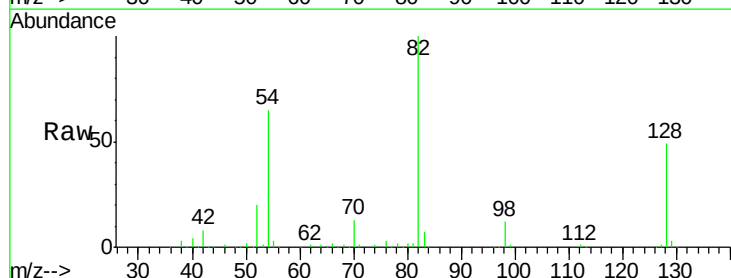
Tgt Ion: 82 Resp: 402515

Ion Ratio Lower Upper

82 100

128 49.1 34.0 51.0

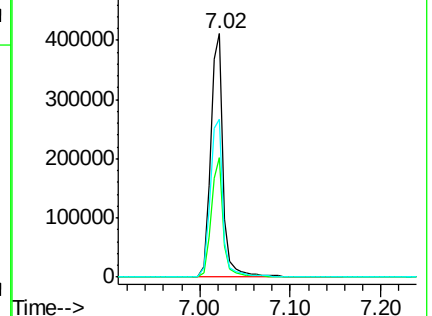
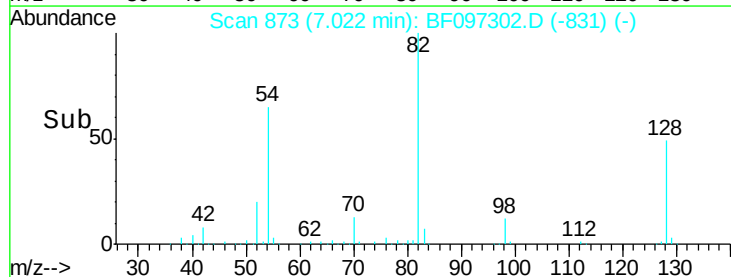
54 64.9 42.2 63.2#

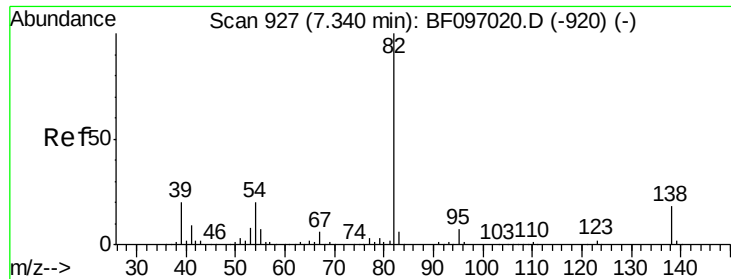


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.88 ng

RT: 7.02 min Scan# 873

Delta R.T. -0.32 min

Lab File: BF097302.D

Acq: 3 Aug 2017 6:26

Instrument :

BNA_F

ClientSampleId :

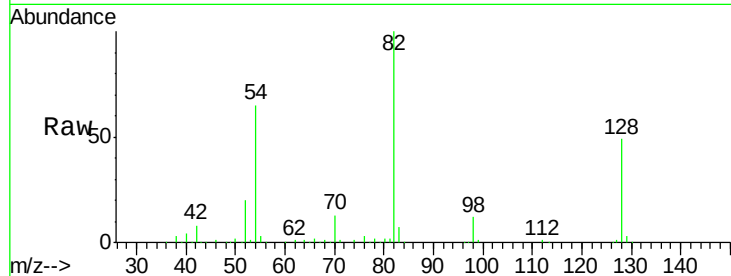
Tot Ion: 82 Resp: 391393

Ion Ratio Lower Upper

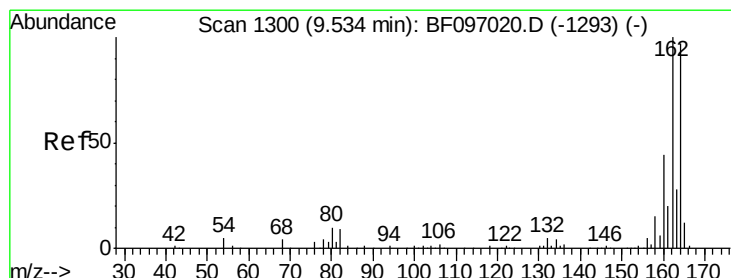
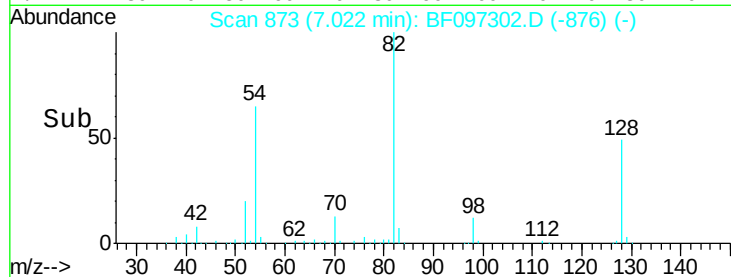
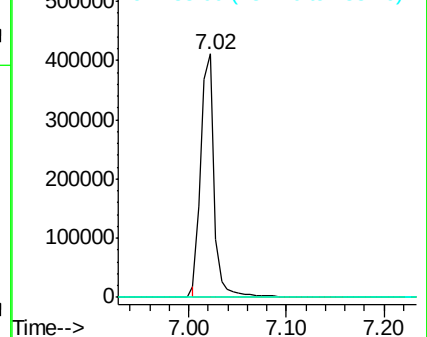
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.47 min Scan# 1290

Delta R.T. -0.06 min

Lab File: BF097302.D

Acq: 3 Aug 2017 6:26

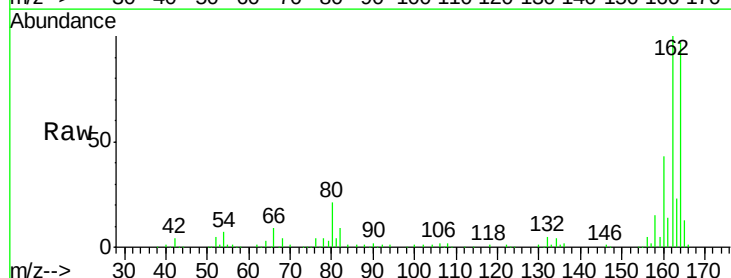
Tgt Ion: 164 Resp: 186541

Ion Ratio Lower Upper

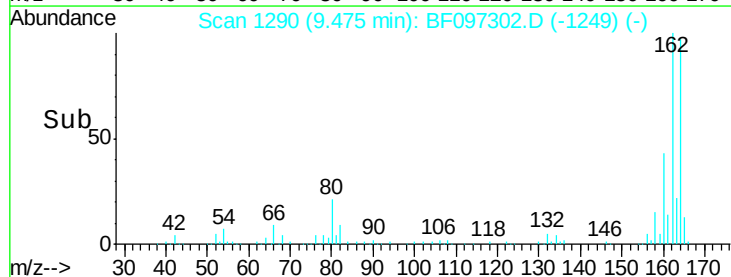
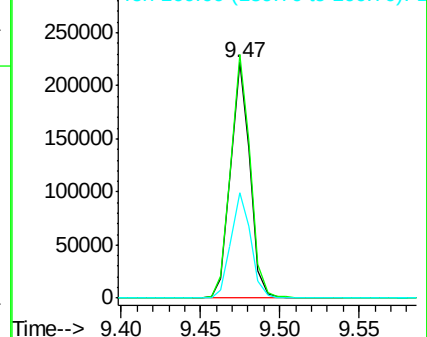
164 100

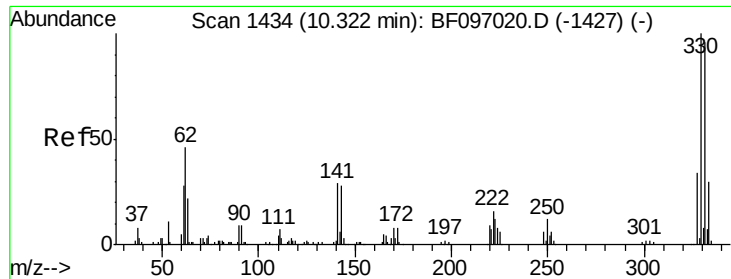
162 103.3 82.6 123.8

160 44.9 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

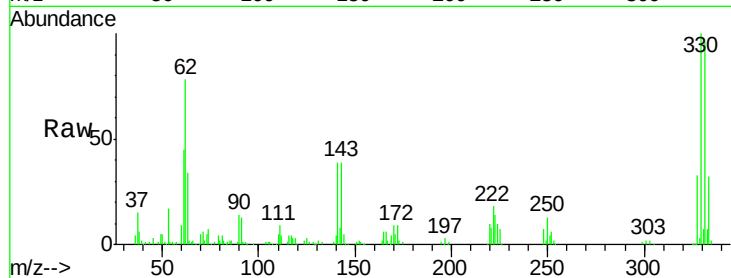




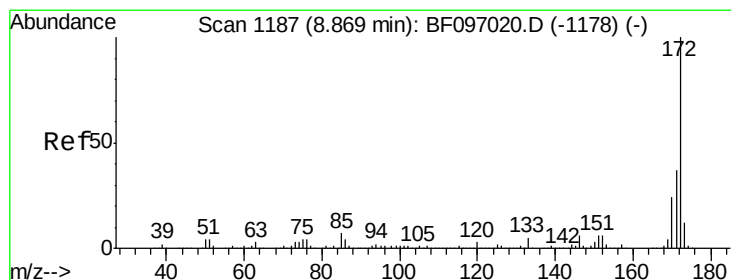
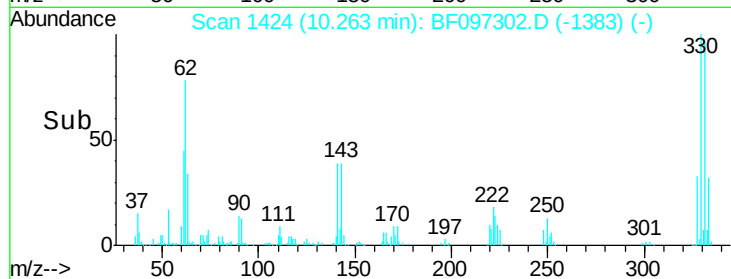
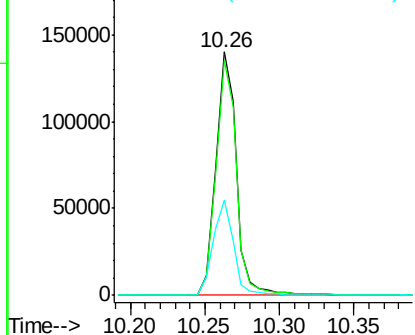
#41
 2,4,6-Tribromophenol
 Concen: 91.87 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.06 min
 Lab File: BF097302.D
 Acq: 3 Aug 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	38.6	31.4	47.2

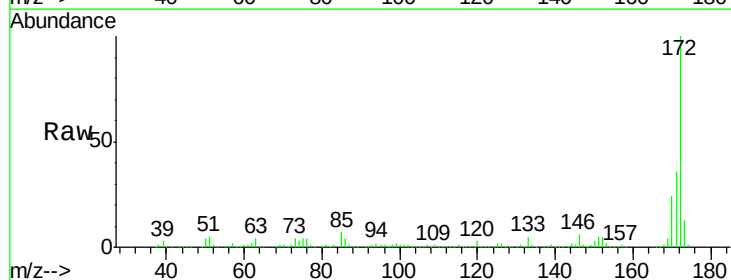


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

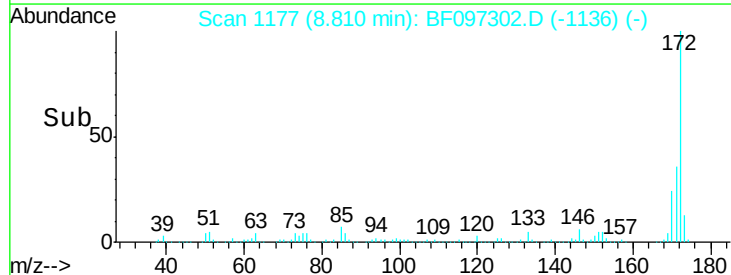
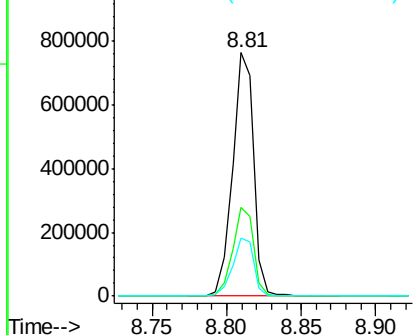


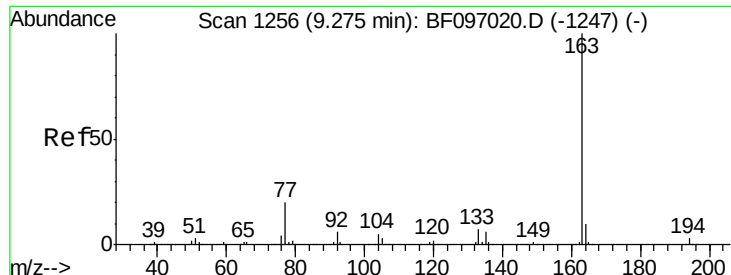
#44
 2-Fluorobiphenyl
 Concen: 69.16 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.06 min
 Lab File: BF097302.D
 Acq: 3 Aug 2017 6:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	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

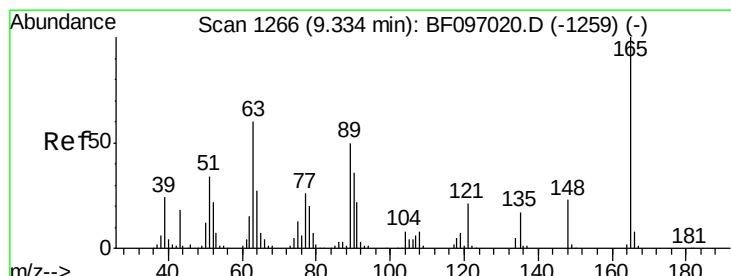
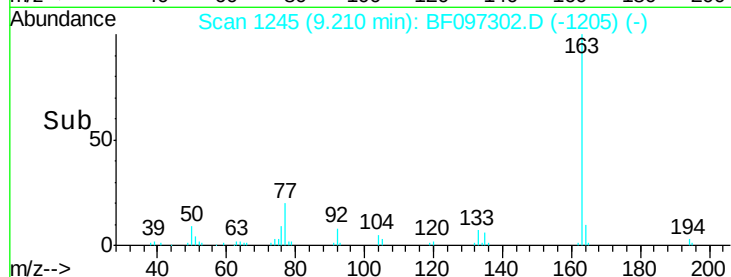
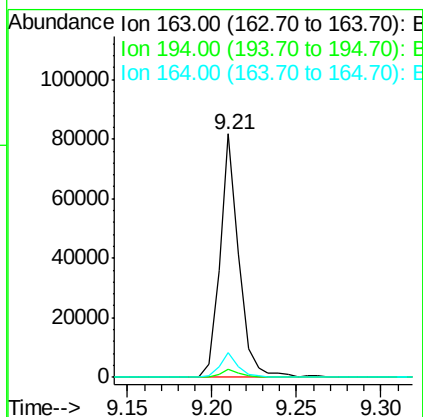
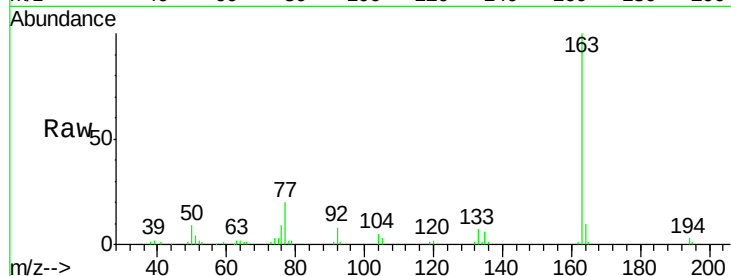




#49
Dimethylphthalate
Concen: 4.51 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF097302.D
Acq: 3 Aug 2017 6:26

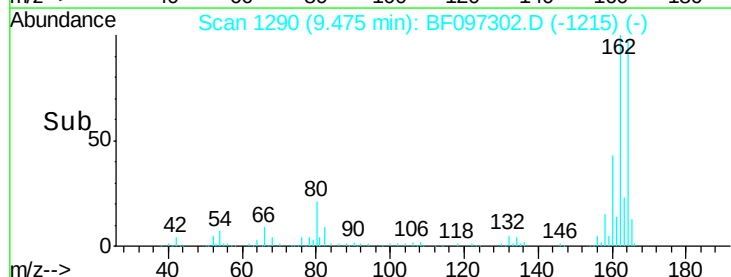
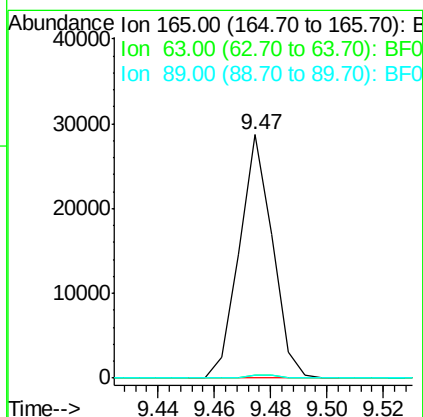
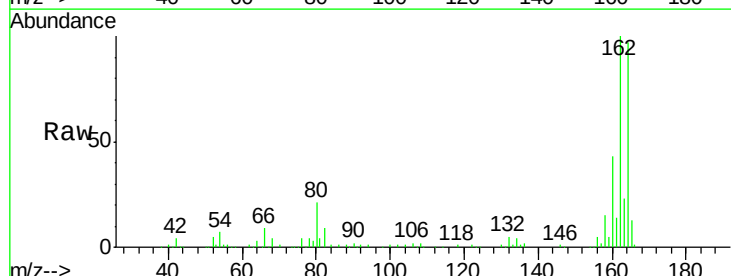
Instrument :
BNA_F
ClientSampled :

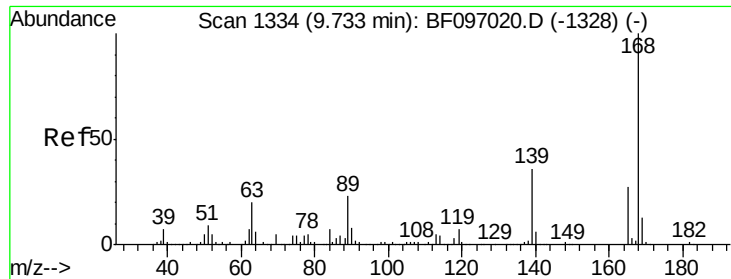
Tot Ion:163 Resp: 63870
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.2 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 7.76 ng
RT: 9.47 min Scan# 1290
Delta R.T. 0.14 min
Lab File: BF097302.D
Acq: 3 Aug 2017 6:26

Tgt Ion:165 Resp: 23310
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.4 37.1 55.7#

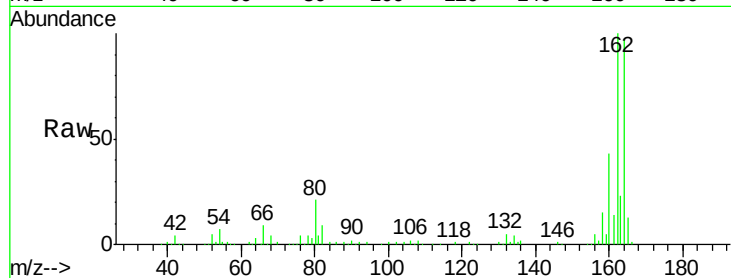




#56
 2,4-Dinitrotoluene
 Concen: 6.75 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.26 min
 Lab File: BF097302.D
 Acq: 3 Aug 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#

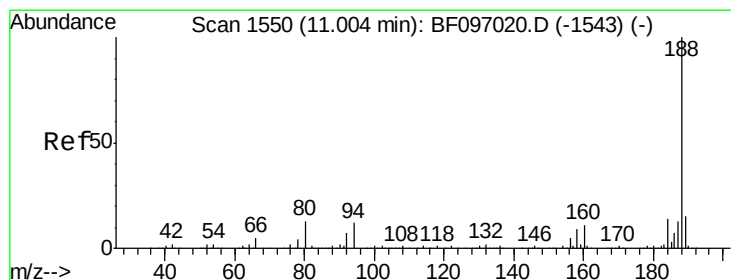
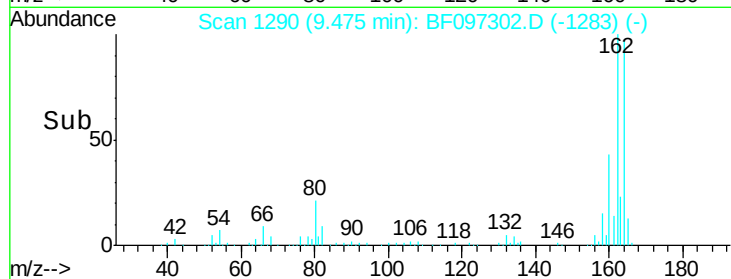
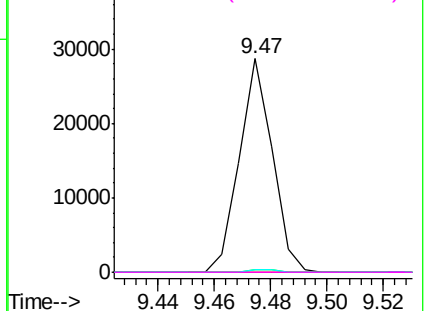


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

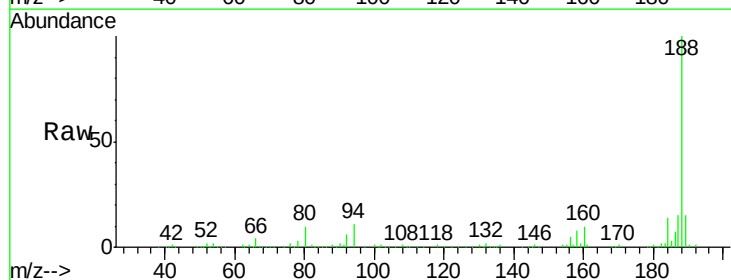
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.95 min Scan# 1541
 Delta R.T. -0.05 min
 Lab File: BF097302.D
 Acq: 3 Aug 2017 6:26

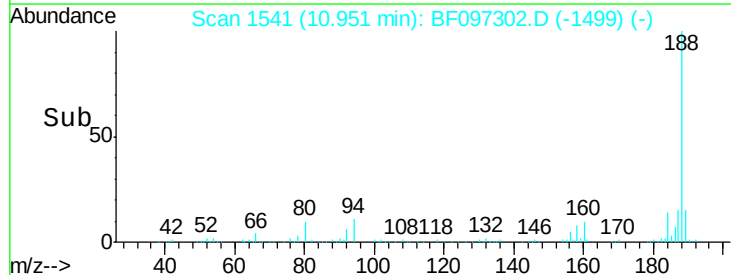
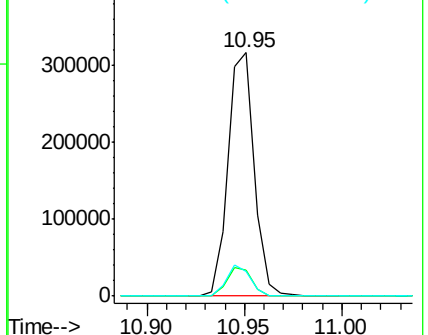
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	10.2	10.2	15.2

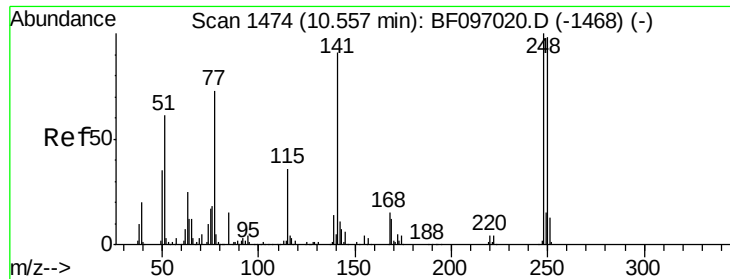


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

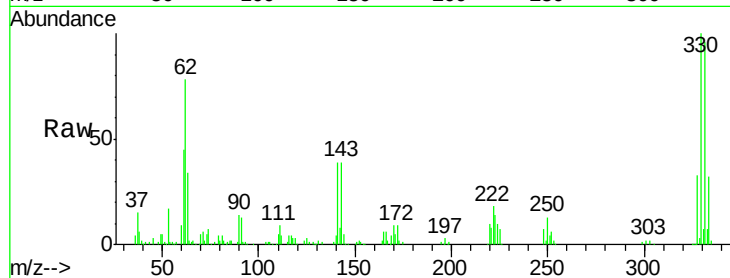




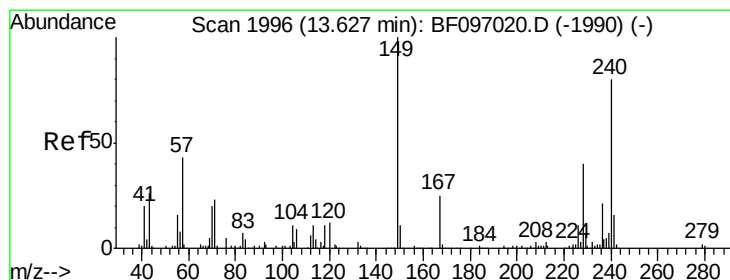
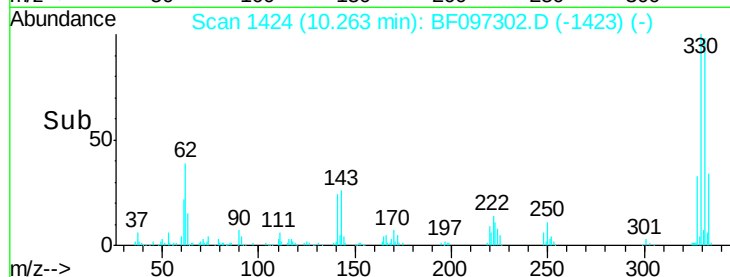
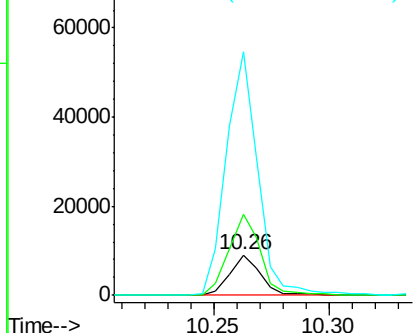
#66
 4-Bromophenyl-phenylether
 Concen: 2.84 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.29 min
 Lab File: BF097302.D
 Acq: 3 Aug 2017 6:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 8382
 Ion Ratio Lower Upper
 248 100
 250 199.8 76.8 115.2#
 141 598.7 68.6 103.0#

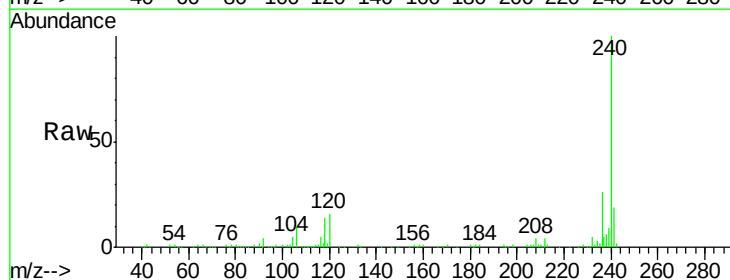


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

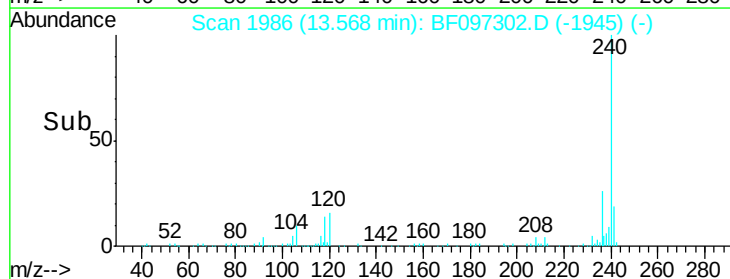
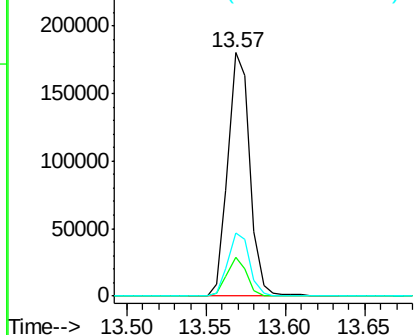


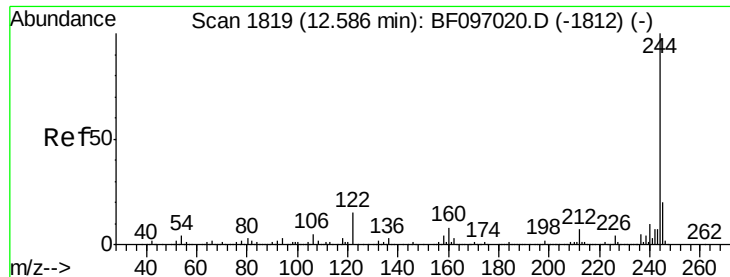
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.57 min Scan# 1986
 Delta R.T. -0.06 min
 Lab File: BF097302.D
 Acq: 3 Aug 2017 6:26

Tgt Ion:240 Resp: 174159
 Ion Ratio Lower Upper
 240 100
 120 16.2 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

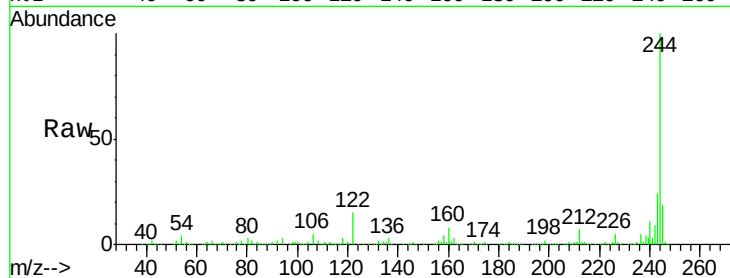




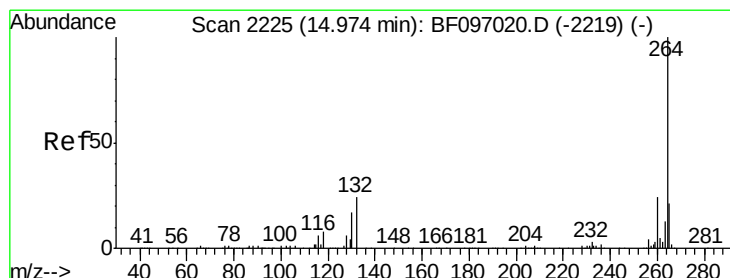
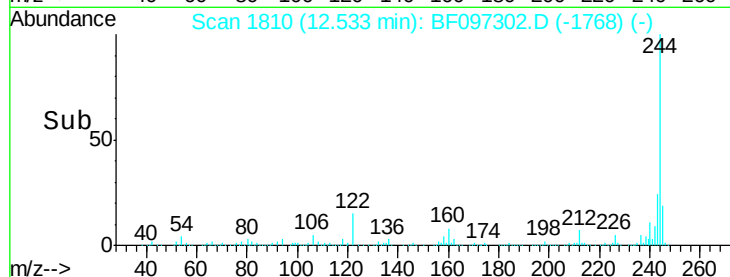
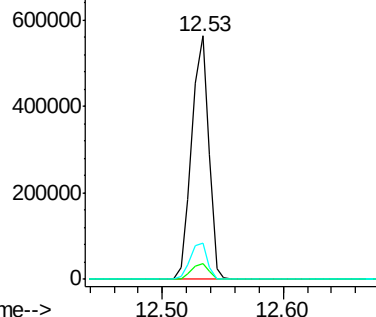
#78
 Terphenyl-d14
 Concen: 64.24 ng
 RT: 12.53 min Scan# 1810
 Delta R.T. -0.05 min
 Lab File: BF097302.D
 Acq: 3 Aug 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 548722
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 14.9 10.3 15.5

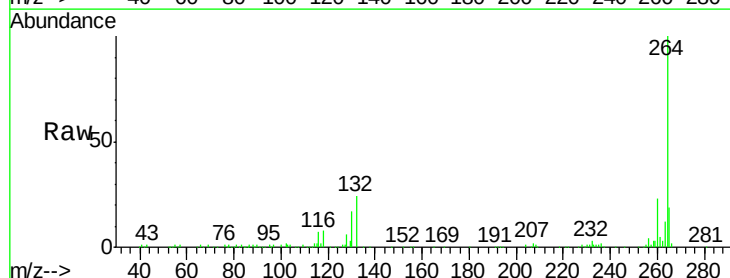


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.92 min Scan# 2215
 Delta R.T. -0.06 min
 Lab File: BF097302.D
 Acq: 3 Aug 2017 6:26

Tgt Ion:264 Resp: 159806
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.5 29.3
 265 19.4 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

