

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097113.D
 Acq On : 27 Jul 2017 9:02
 Operator : SJ/JU
 Sample : I4443-11
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 10:12:27 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

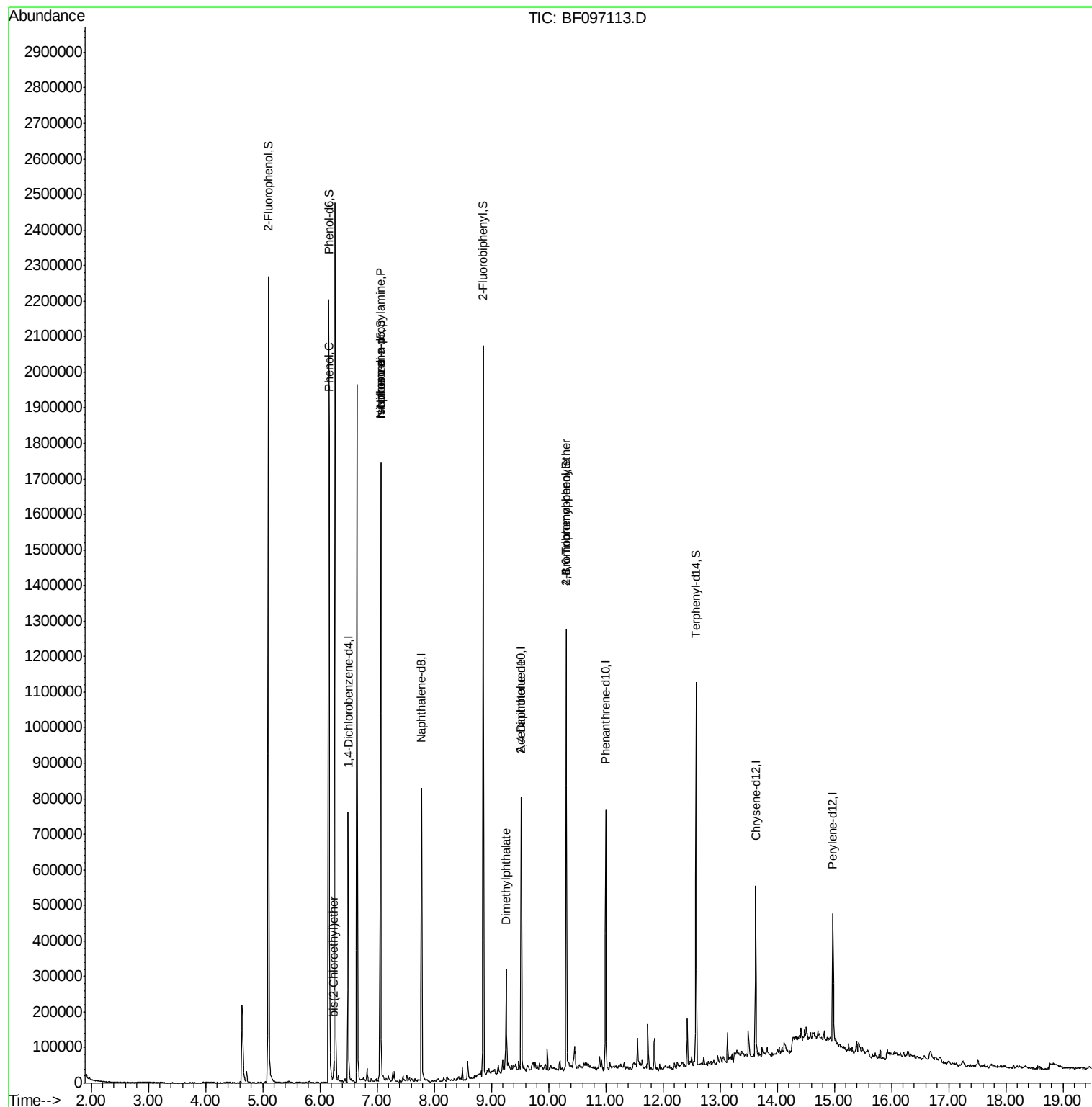
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	110268	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	391463	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	158676	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	231760	20.00	ng	0.00
75) Chrysene-d12	13.63	240	174524	20.00	ng	0.00
86) Perylene-d12	14.97	264	145894	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	666618	91.13	ng	0.00
7) Phenol-d6	6.16	99	819118	98.09	ng	-0.01
23) Nitrobenzene-d5	7.06	82	534804	80.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	126098	100.58	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	613416	65.61	ng	-0.01
78) Terphenyl-d14	12.58	244	333136	38.92	ng	0.00
Target Compounds						
10) Phenol	6.17	94	41988	4.239	ng	99
11) bis(2-Chloroethyl)ether	6.24	93	16896	2.157	ng	86
19) n-Nitroso-di-n-propylamine	7.06	70	72353	13.163	ng	# 88
25) Isophorone	7.06	82	522689	39.997	ng	# 67
49) Dimethylphthalate	9.26	163	112560	9.341	ng	99
56) 2,4-Dinitrotoluene	9.52	165	20848	7.096	ng	# 34
66) 4-Bromophenyl-phenylether	10.31	248	8071	3.490	ng	# 1

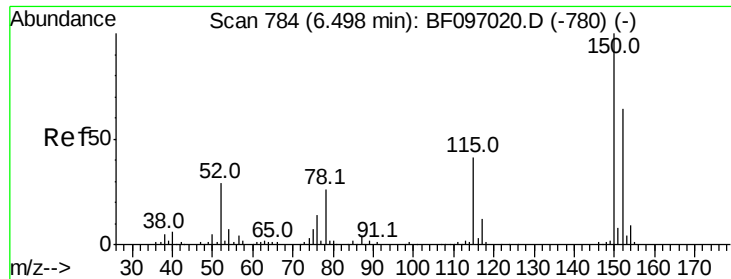
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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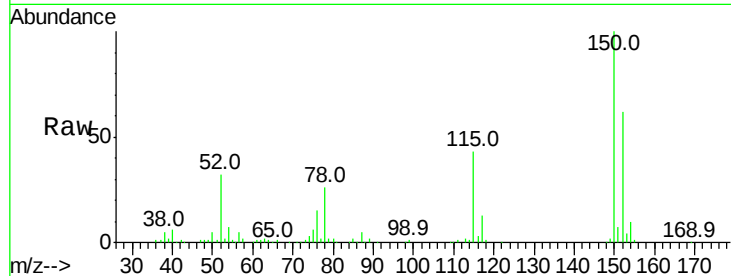


#1

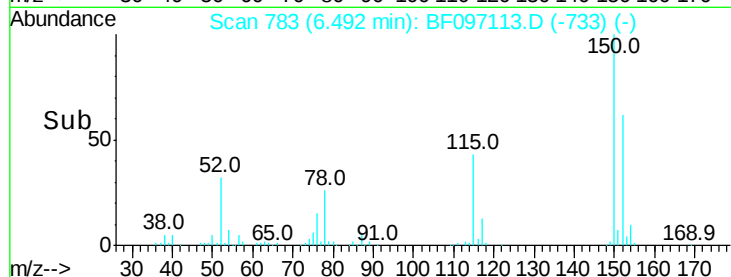
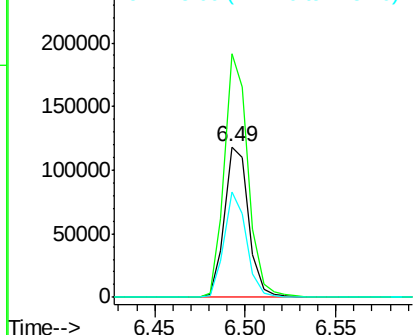
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097113.D
Acq: 27 Jul 2017 9:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110268
Ion Ratio Lower Upper
152 100
150 162.0 126.2 189.2
115 69.7 52.2 78.2



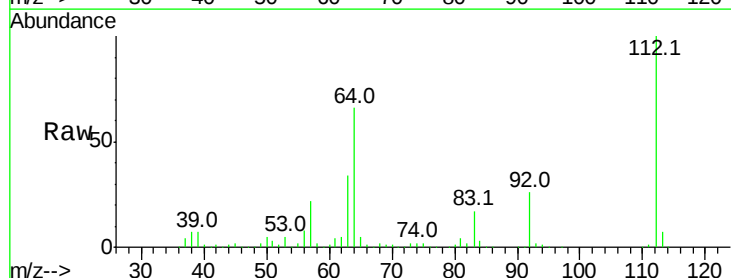
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



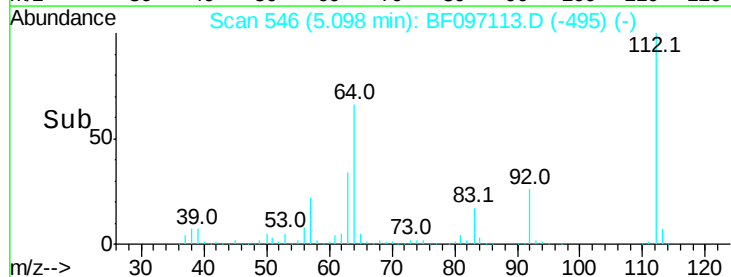
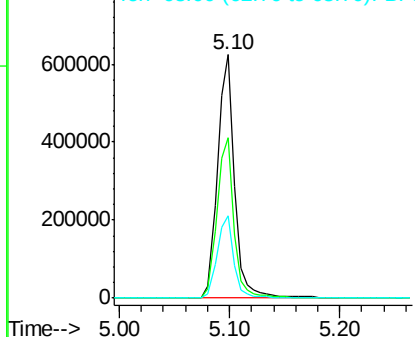
#5

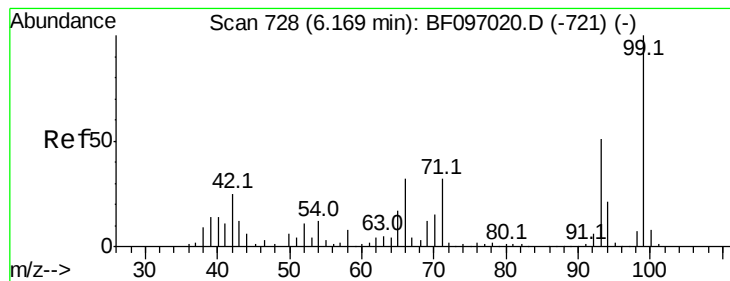
2-Fluorophenol
Concen: 91.134 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097113.D
Acq: 27 Jul 2017 9:02

Tgt Ion:112 Resp: 666618
Ion Ratio Lower Upper
112 100
64 65.9 46.0 69.0
63 33.9 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: 98.091 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097113.D

Acq: 27 Jul 2017 9:02

Instrument :

BNA_F

ClientSampleId :

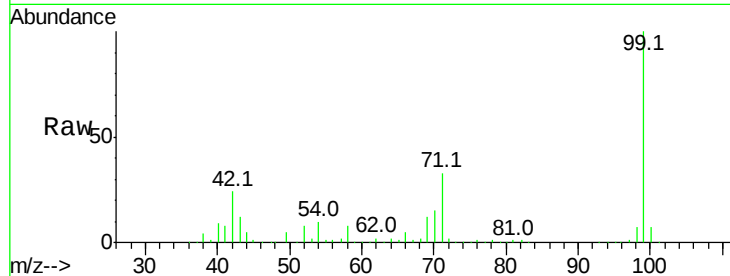
Tot Ion: 99 Resp: 819118

Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

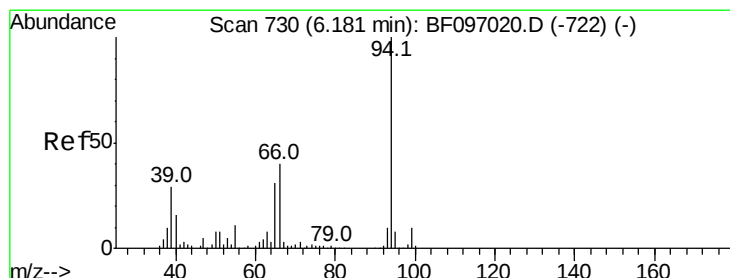
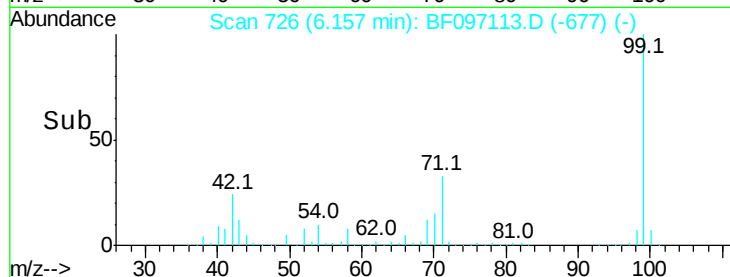
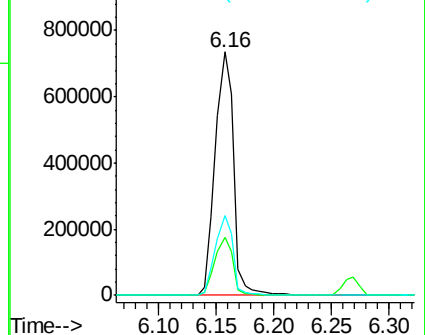
71 32.5 24.5 36.7



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



#10

Phenol

Concen: 4.239 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF097113.D

Acq: 27 Jul 2017 9:02

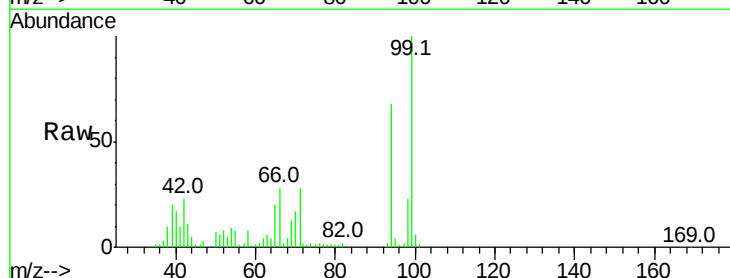
Tgt Ion: 94 Resp: 41988

Ion Ratio Lower Upper

94 100

65 29.8 9.9 49.9

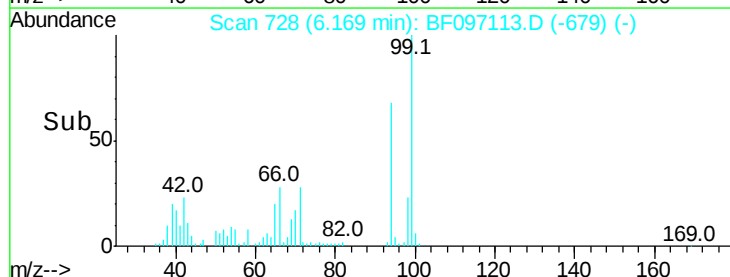
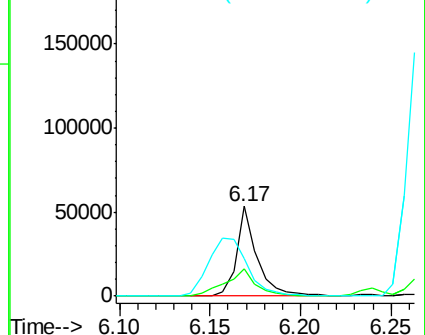
66 41.7 23.1 63.1

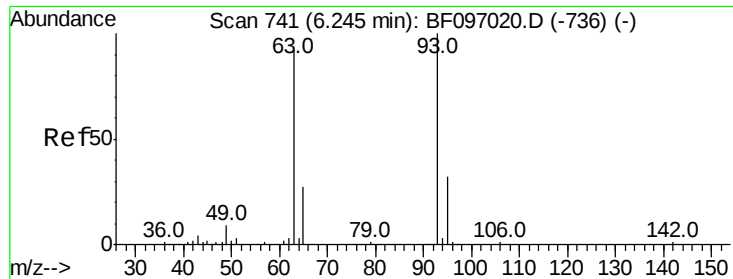


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

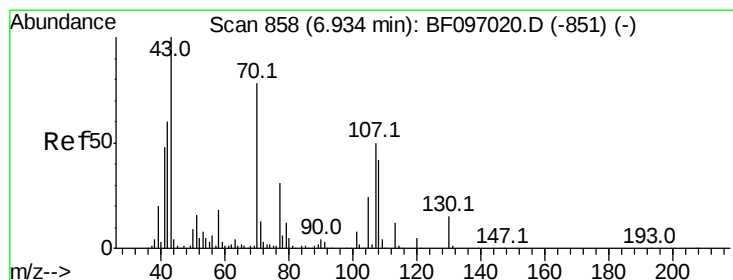
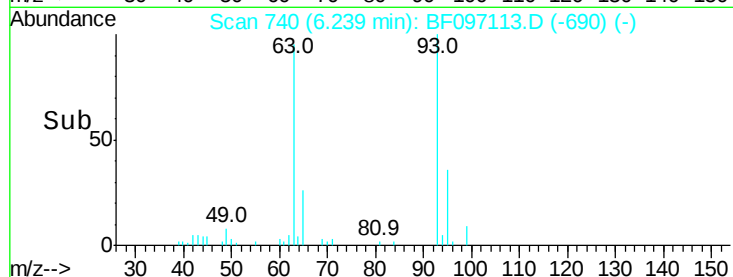
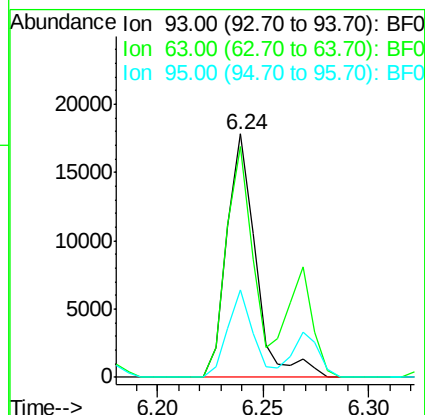
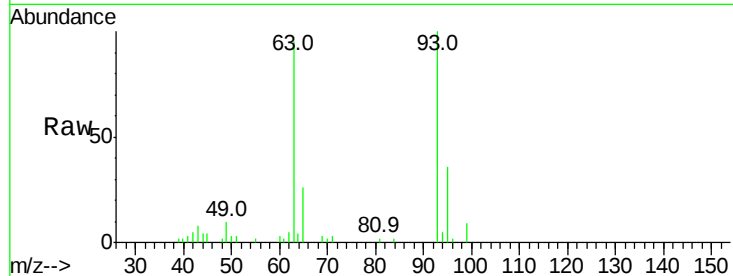




#11
bis(2-Chloroethyl)ether
Concen: 2.157 ng
RT: 6.24 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF097113.D
Acq: 27 Jul 2017 9:02

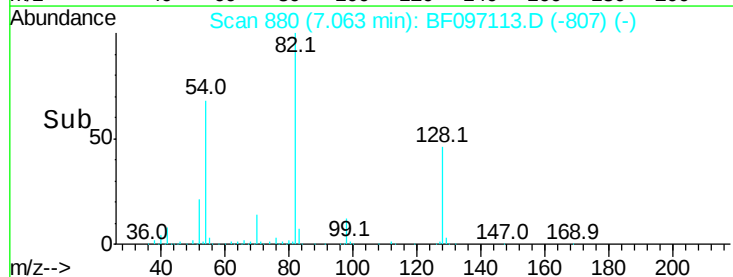
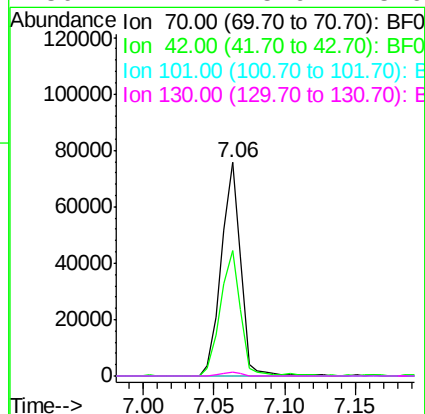
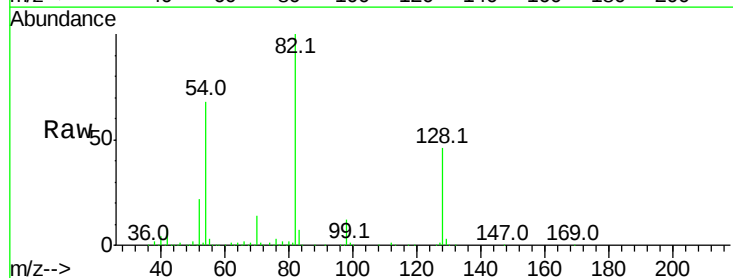
Instrument :
BNA_F
ClientSampleId :

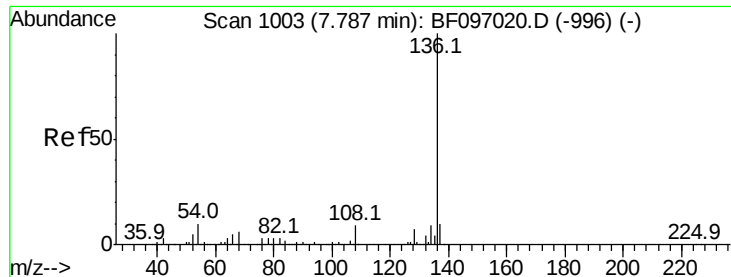
Tot Ion: 93 Resp: 16896
Ion Ratio Lower Upper
93 100
63 94.8 59.2 99.2
95 35.8 12.8 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.163 ng
RT: 7.06 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF097113.D
Acq: 27 Jul 2017 9:02

Tgt Ion: 70 Resp: 72353
Ion Ratio Lower Upper
70 100
42 59.0 47.2 70.8
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#

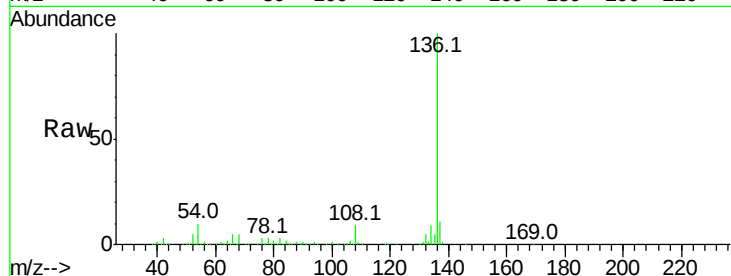




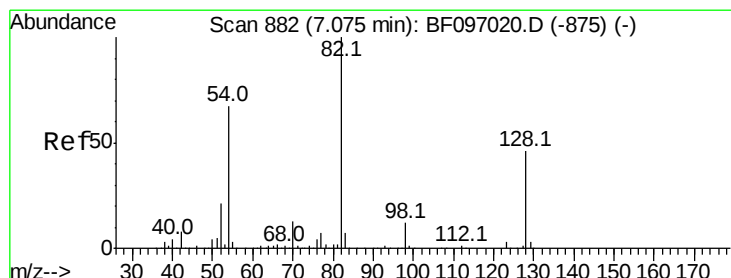
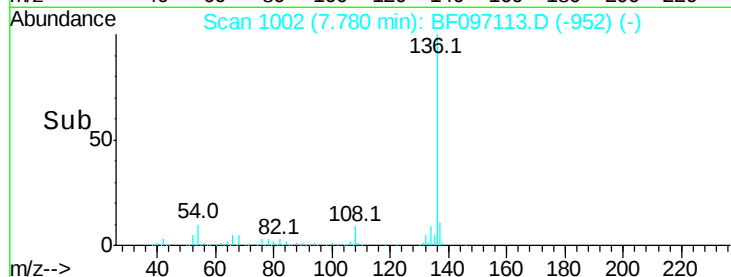
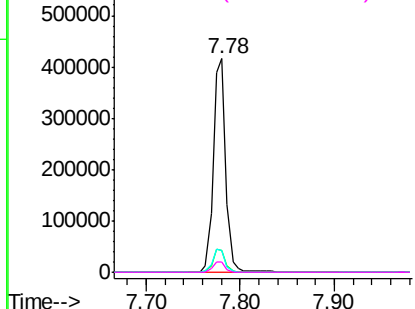
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097113.D
Acq: 27 Jul 2017 9:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.1	4.9	7.3#
68	4.9	4.1	6.1

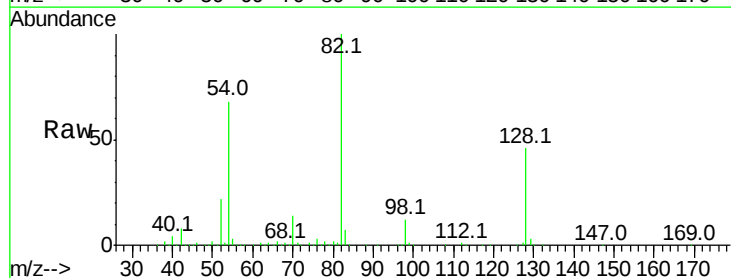


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

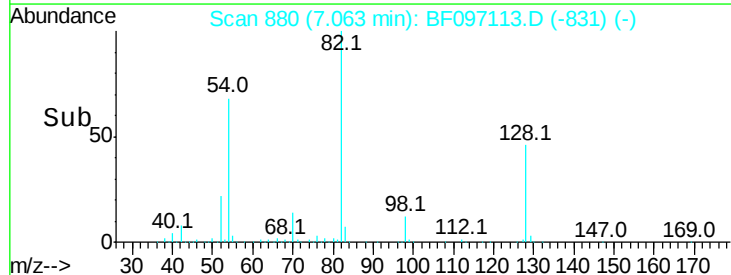
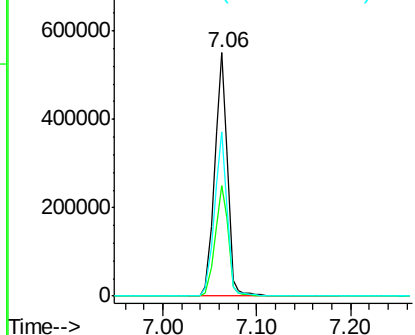


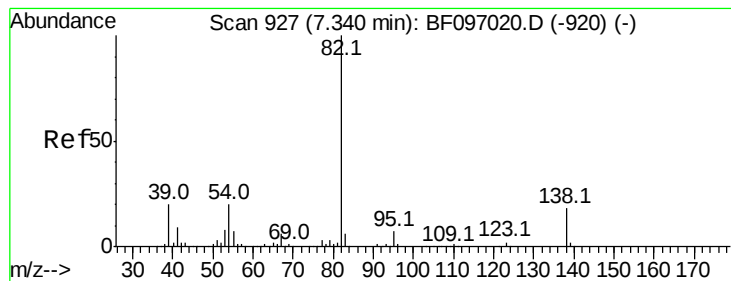
#23
Nitrobenzene-d5
Concen: 80.145 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097113.D
Acq: 27 Jul 2017 9:02

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	67.6	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: 39.997 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF097113.D

Acq: 27 Jul 2017 9:02

Instrument :

BNA_F

ClientSampleId :

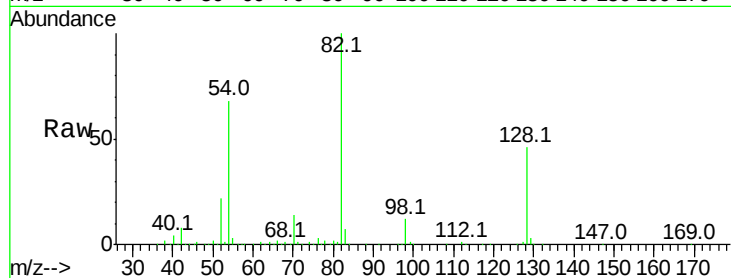
Tot Ion: 82 Resp: 522689

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

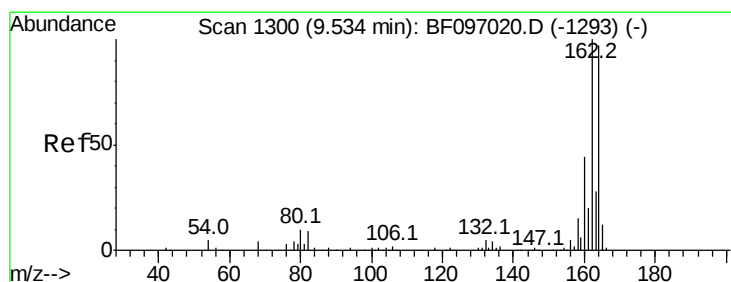
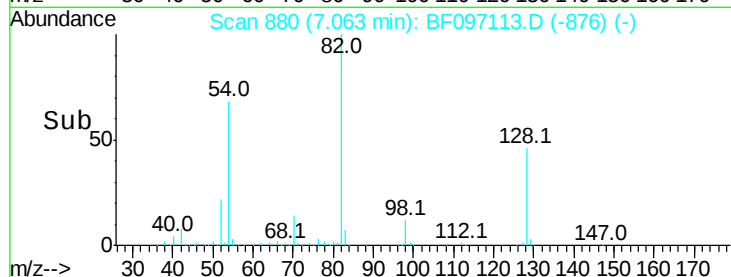
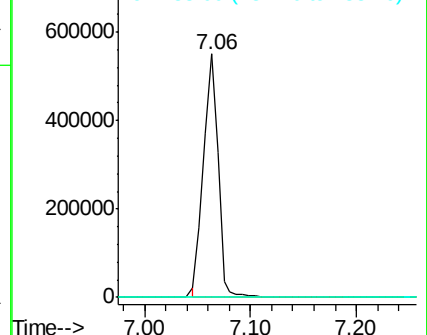
138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF097113.D

Acq: 27 Jul 2017 9:02

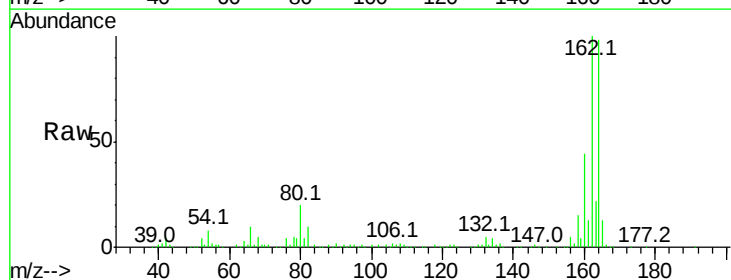
Tgt Ion:164 Resp: 158676

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

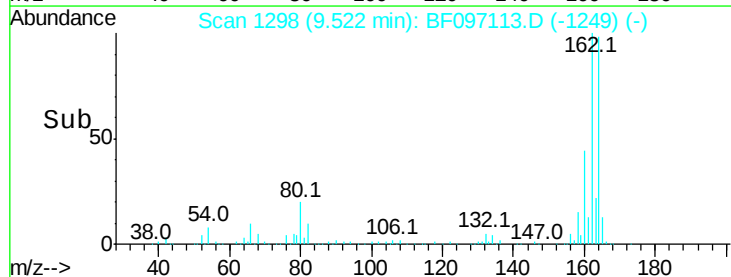
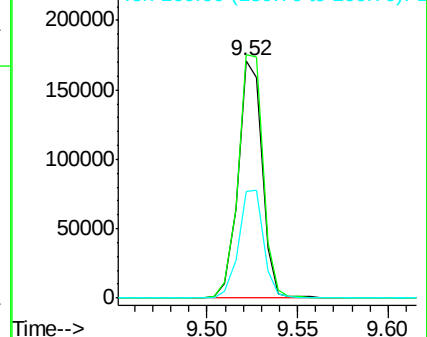
160 44.8 36.2 54.2

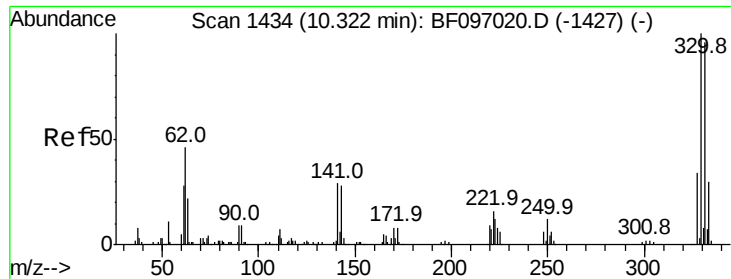


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

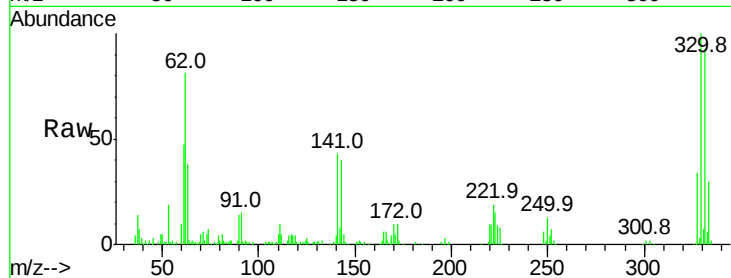




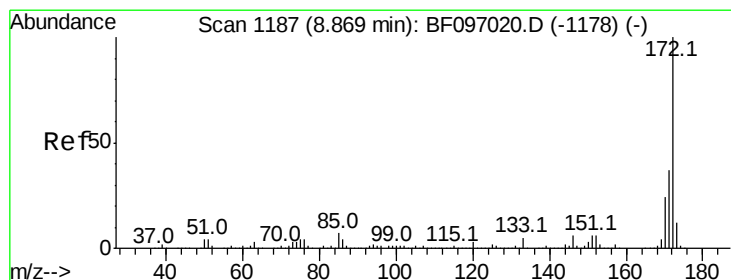
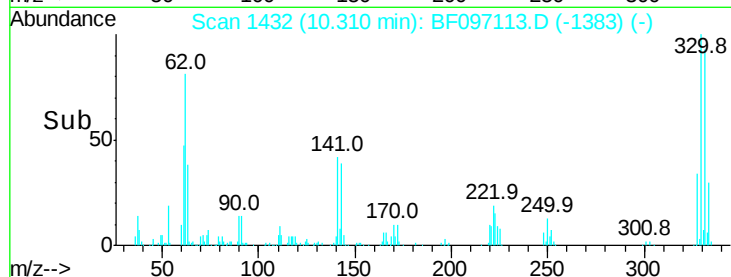
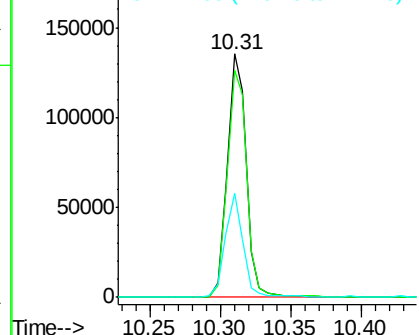
#41
 2,4,6-Tribromophenol
 Concen: 100.581 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097113.D
 Acq: 27 Jul 2017 9:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	41.6	31.4	47.2

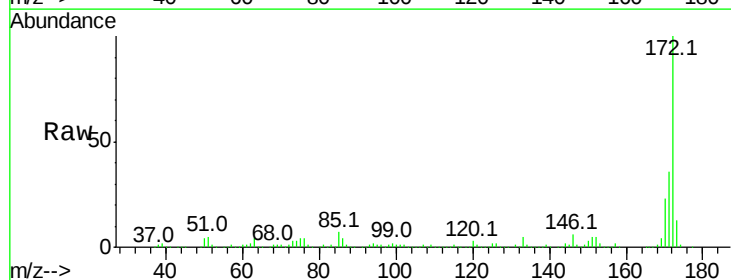


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

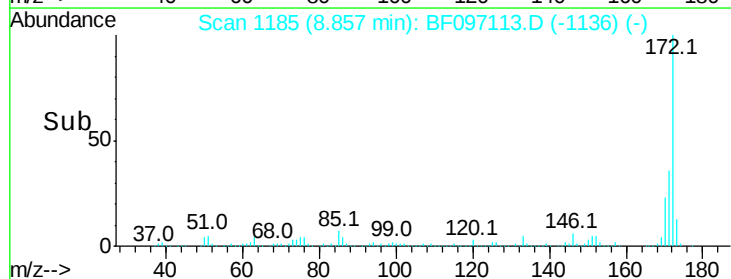
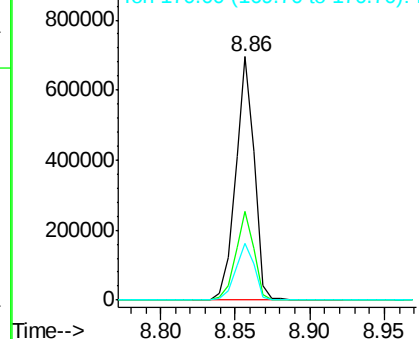


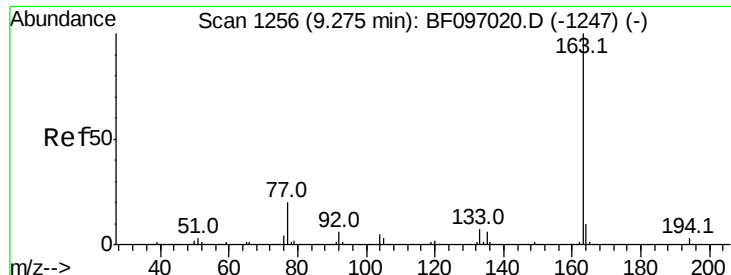
#44
 2-Fluorobiphenyl
 Concen: 65.607 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097113.D
 Acq: 27 Jul 2017 9:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.4	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

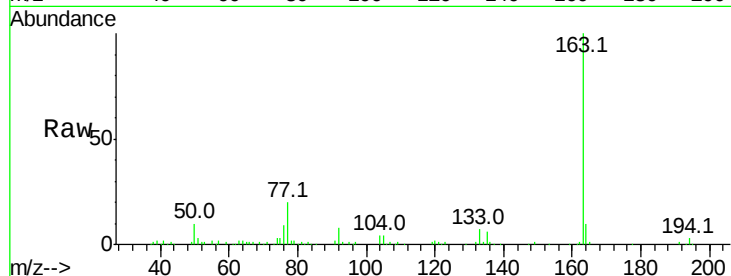




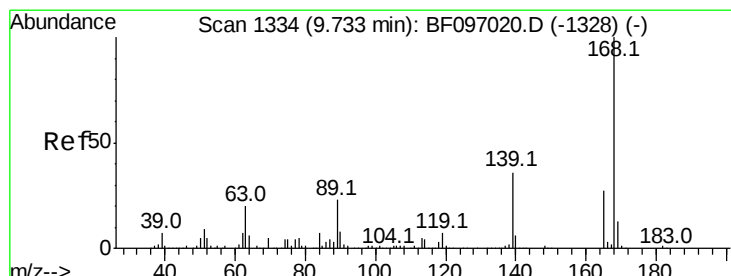
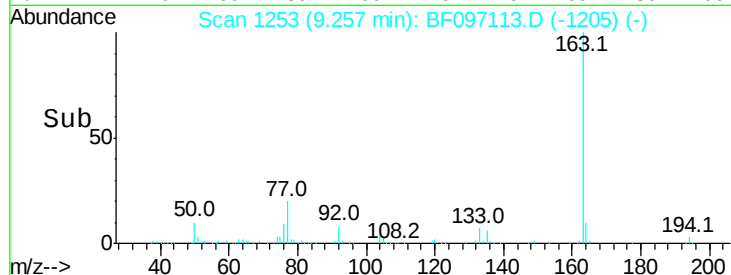
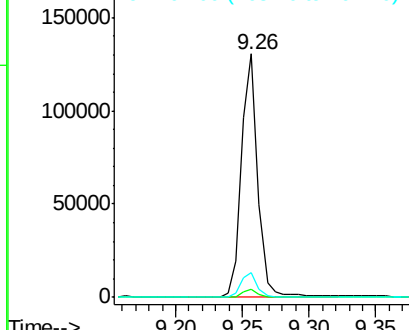
#49
Dimethylphthalate
Concen: 9.341 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097113.D
Acq: 27 Jul 2017 9:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 112560
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.3 8.4 12.6

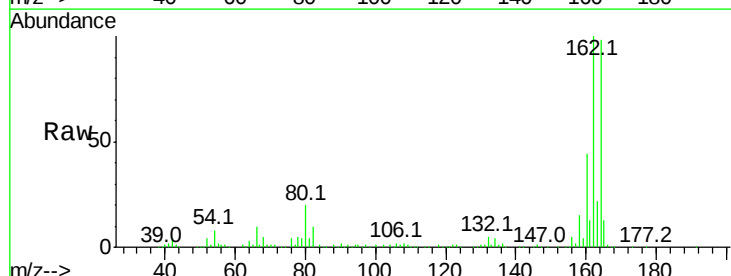


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

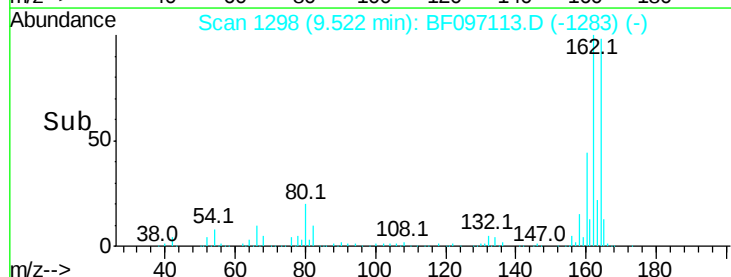
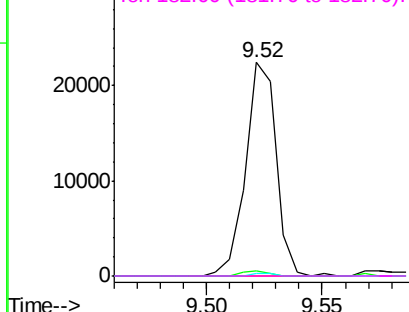


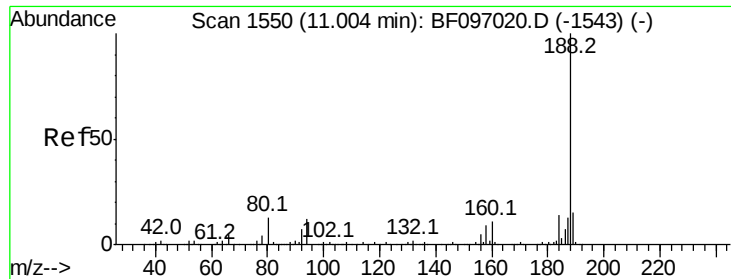
#56
2,4-Dinitrotoluene
Concen: 7.096 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF097113.D
Acq: 27 Jul 2017 9:02

Tgt Ion:165 Resp: 20848
Ion Ratio Lower Upper
165 100
63 2.5 25.4 38.0#
89 1.5 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

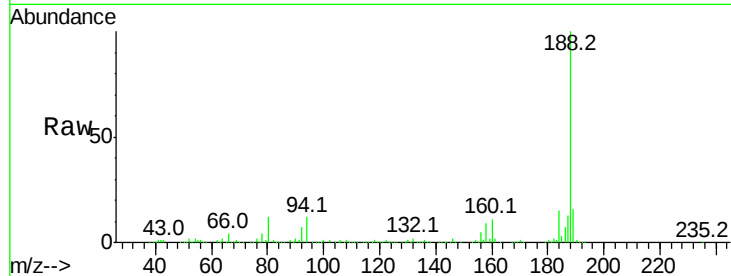




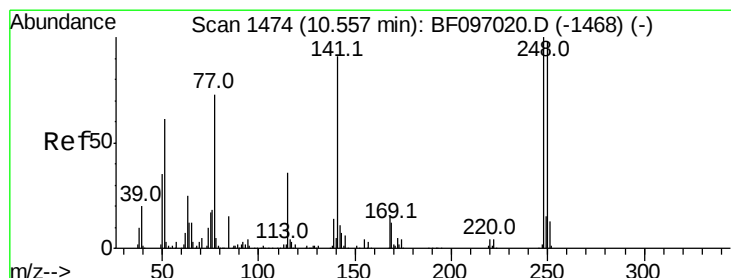
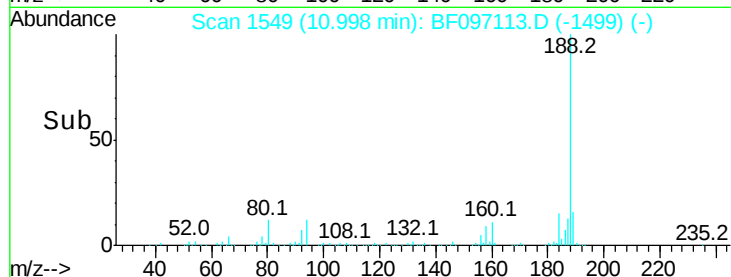
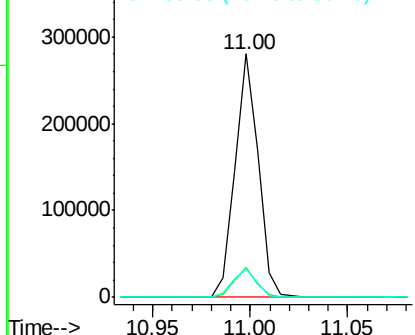
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097113.D
Acq: 27 Jul 2017 9:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 231760
Ion Ratio Lower Upper
188 100
94 12.0 9.4 14.2
80 11.9 10.2 15.2

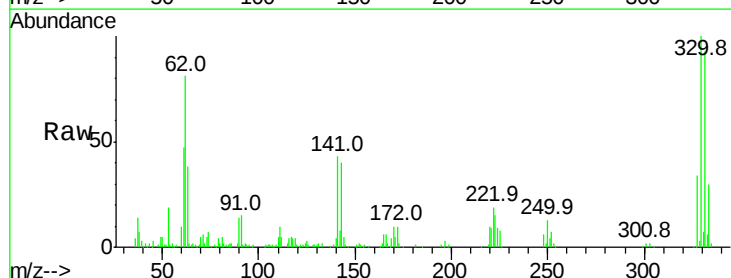


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

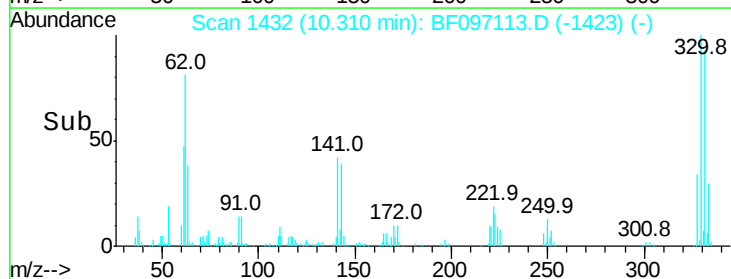
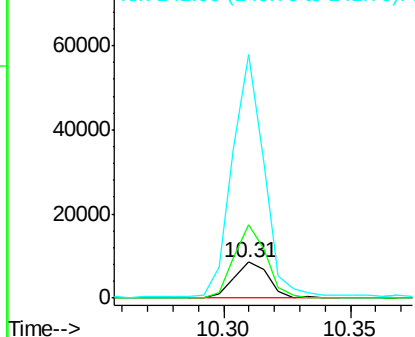


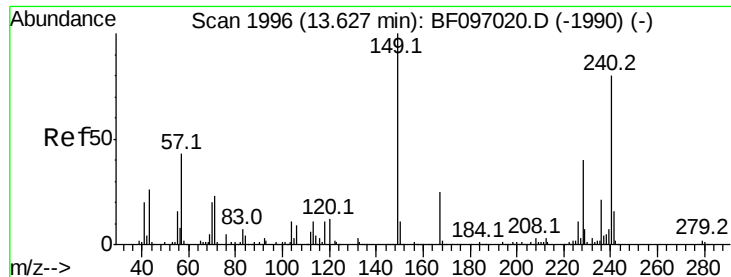
#66
4-Bromophenyl-phenylether
Concen: 3.490 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF097113.D
Acq: 27 Jul 2017 9:02

Tgt Ion:248 Resp: 8071
Ion Ratio Lower Upper
248 100
250 206.9 76.8 115.2#
141 681.4 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: 20.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF097113.D

Acq: 27 Jul 2017 9:02

Instrument :

BNA_F

ClientSampleId :

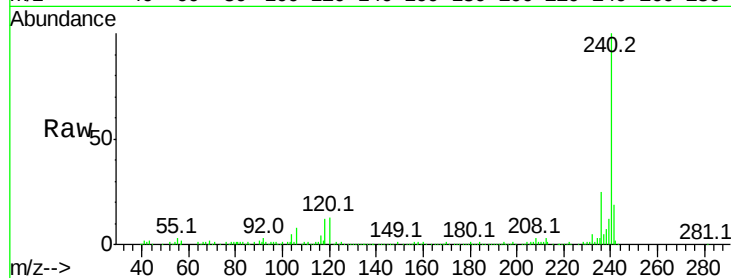
Tot Ion:240 Resp: 174524

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

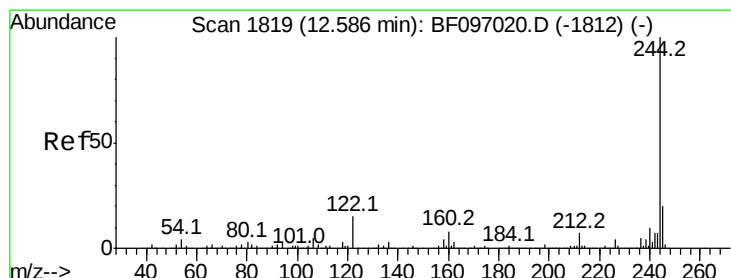
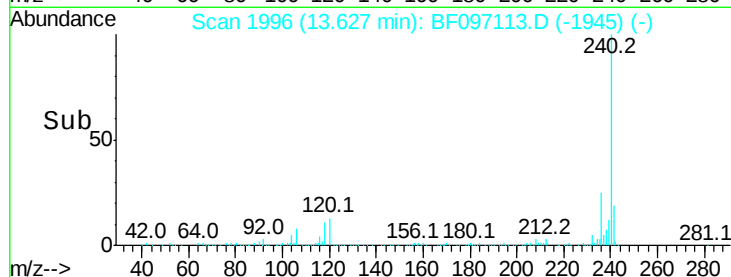
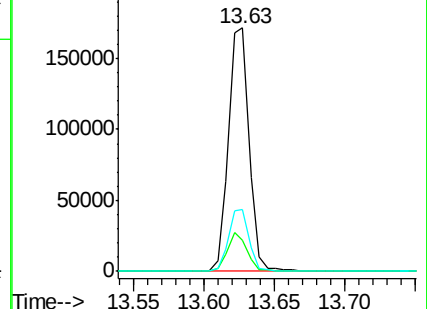
236 25.3 20.5 30.7



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: 38.918 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097113.D

Acq: 27 Jul 2017 9:02

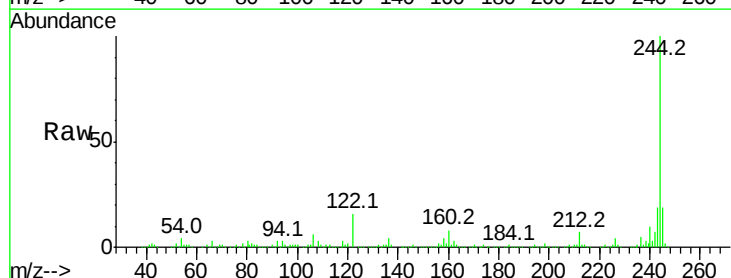
Tgt Ion:244 Resp: 333136

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

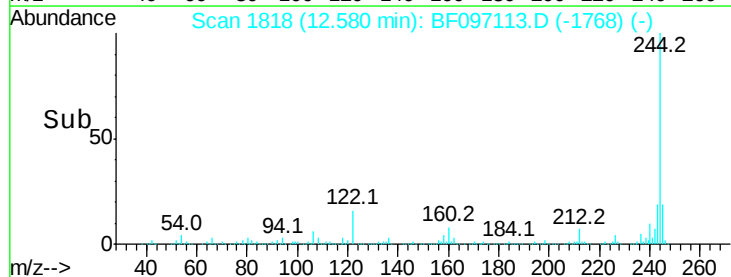
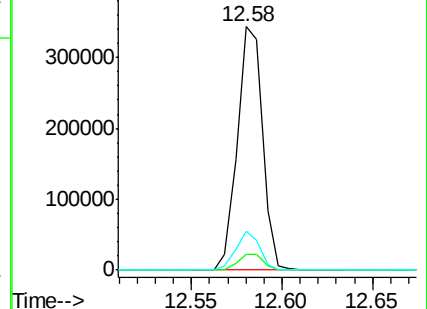
122 16.1 10.3 15.5#

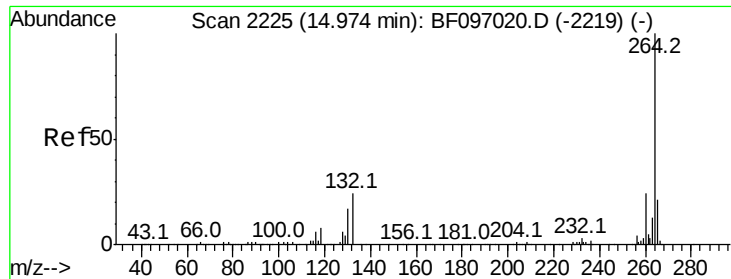


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

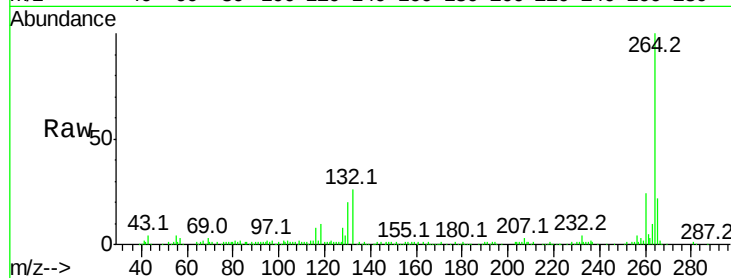




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.97 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BF097113.D
 Acq: 27 Jul 2017 9:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 145894
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 21.7 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

