

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098986.D
 Acq On : 1 Oct 2017 12:29
 Operator : SJ/JU
 Sample : PB102778BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB102778BL

Quant Time: Oct 02 00:52:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

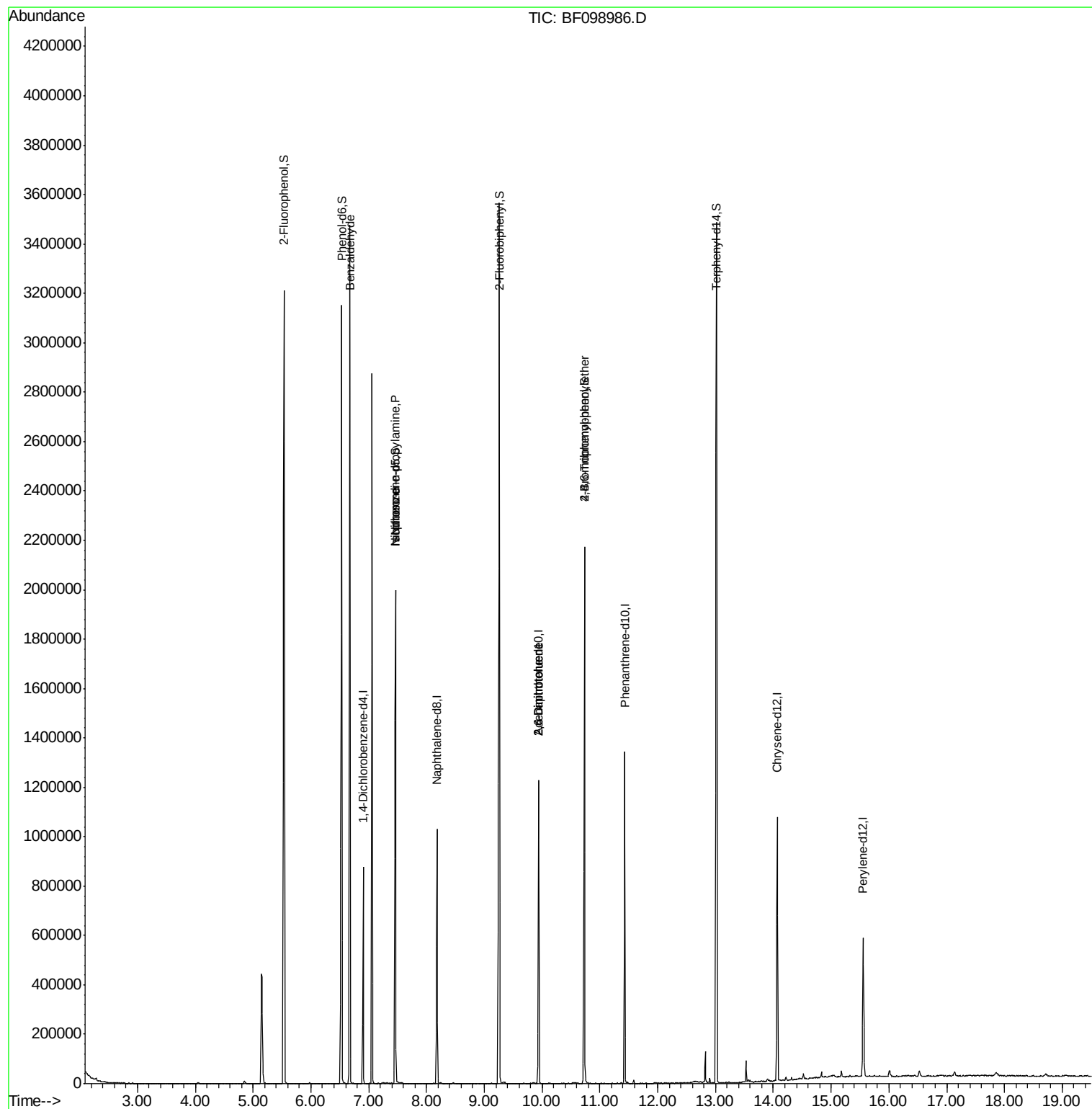
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	130815	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	550114	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	251630	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	457659	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	324801	20.00	ng	-0.02
86) Perylene-d12	15.56	264	233519	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1058500	128.81	ng	0.00
7) Phenol-d6	6.53	99	1248407	123.15	ng	-0.01
23) Nitrobenzene-d5	7.46	82	789211	92.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	262224	127.35	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1433192	95.08	ng	-0.02
78) Terphenyl-d14	13.02	244	1273732	89.18	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.67	77	22663	3.85	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.46	70	104341	16.12	ng	# 75
25) Isophorone	7.46	82	786795	44.36	ng	# 64
50) 2,6-Dinitrotoluene	9.94	165	32146	7.77	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	32146	5.99	ng	# 23
66) 4-Bromophenyl-phenylether	10.73	248	17595	3.93	ng	# 1

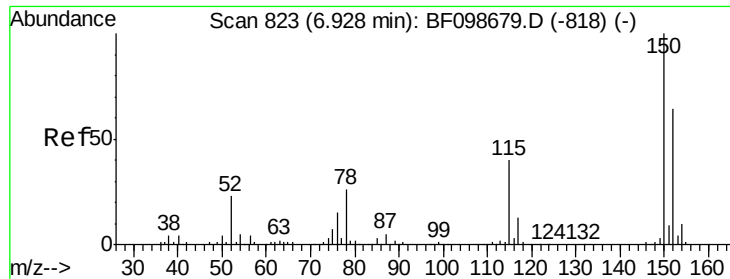
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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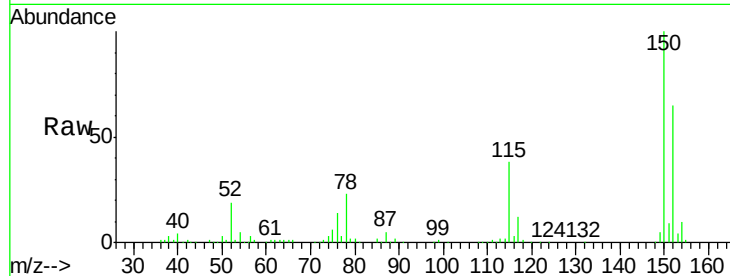


#1

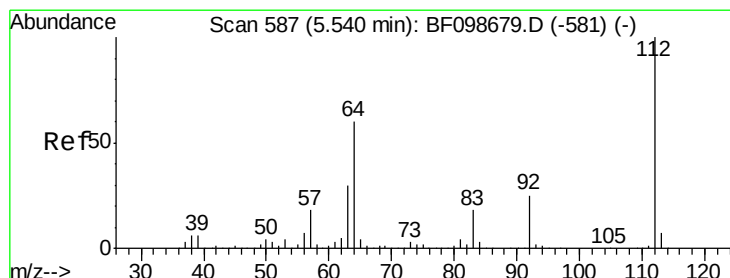
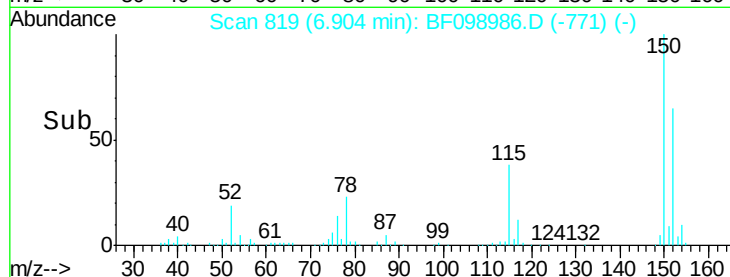
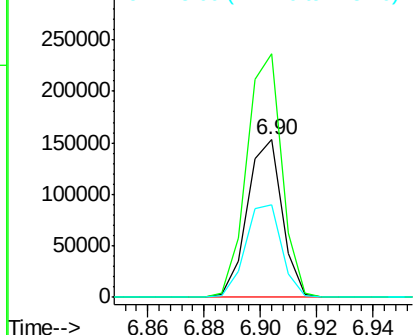
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF098986.D
Acq: 1 Oct 2017 12:29

Instrument :
BNA_F
ClientSampleId :
PB102778BL

Tot Ion:152 Resp: 130815
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 58.8 50.1 75.1



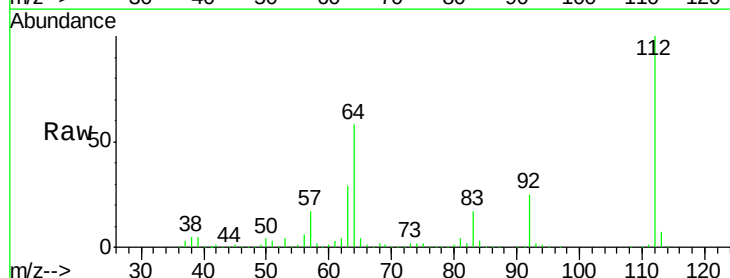
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



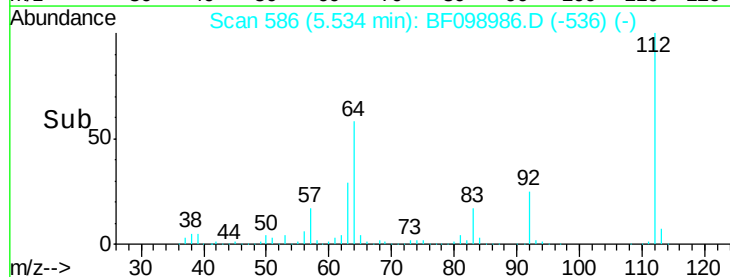
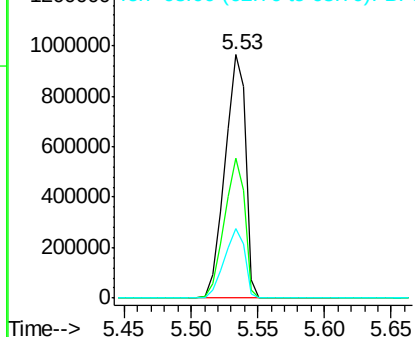
#5

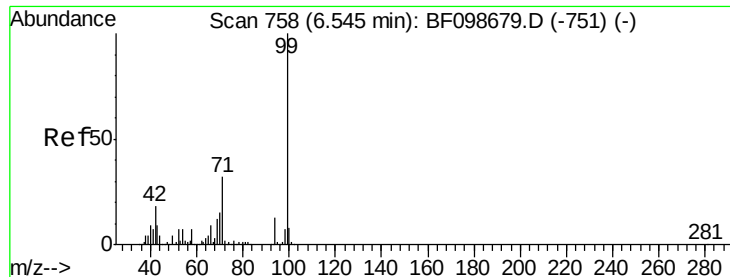
2-Fluorophenol
Concen: 128.81 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098986.D
Acq: 1 Oct 2017 12:29

Tgt Ion:112 Resp: 1058500
Ion Ratio Lower Upper
112 100
64 57.7 47.9 71.9
63 28.7 23.7 35.5



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: 123.15 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

PB102778BL

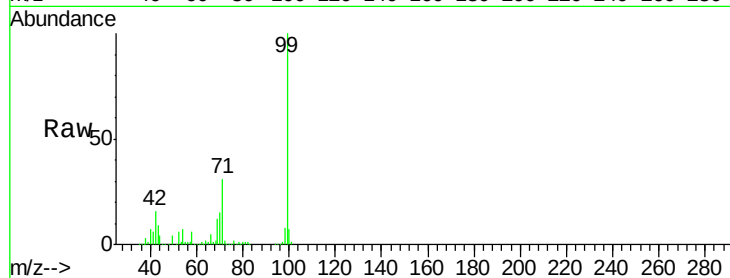
Tot Ion: 99 Resp: 1248407

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

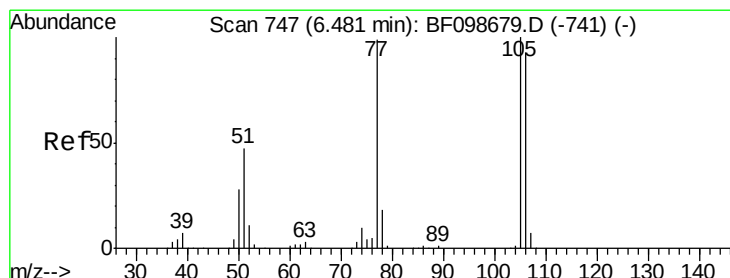
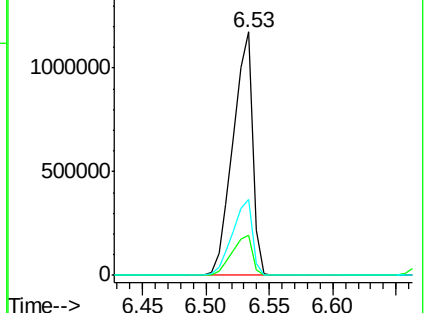
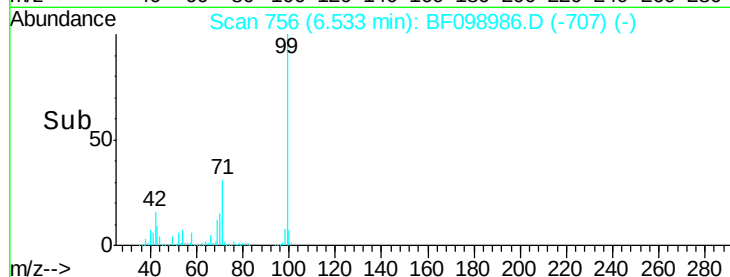
71 31.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.85 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.20 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

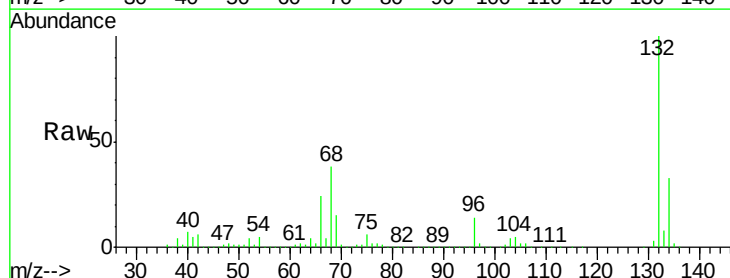
Tgt Ion: 77 Resp: 22663

Ion Ratio Lower Upper

77 100

105 83.2 81.1 121.1

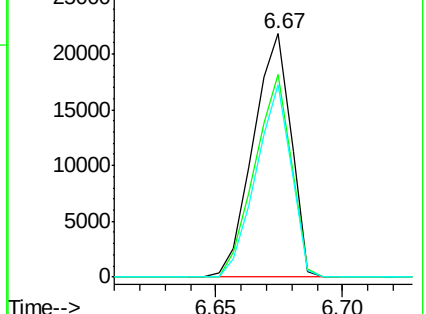
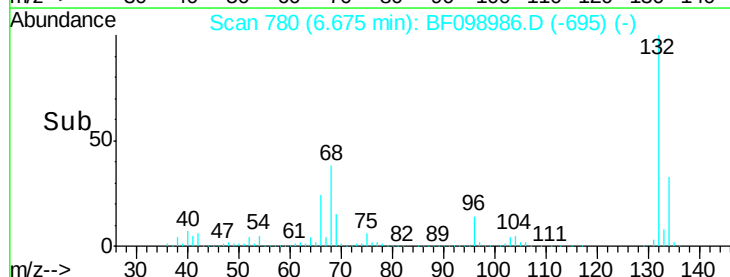
106 79.1 74.5 114.5

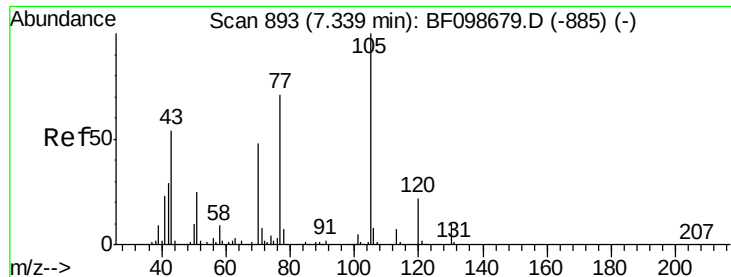


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 16.12 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.13 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

PB102778BL

Tot Ion: 70 Resp: 104341

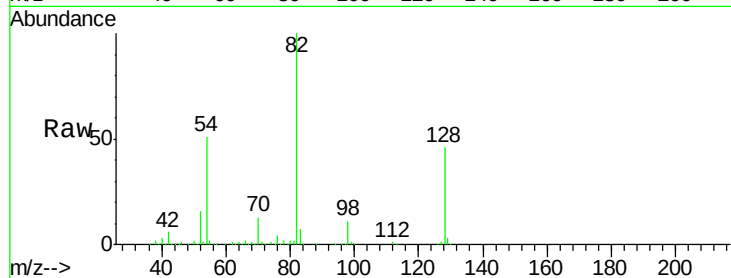
Ion Ratio Lower Upper

70 100

42 44.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

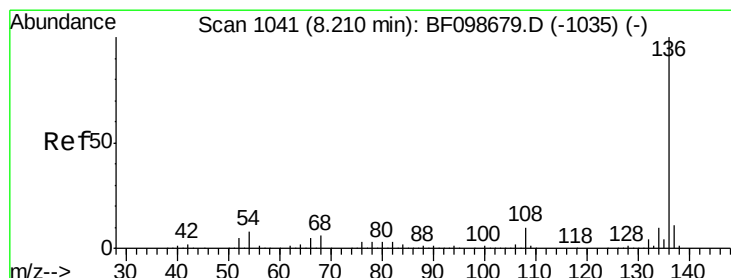
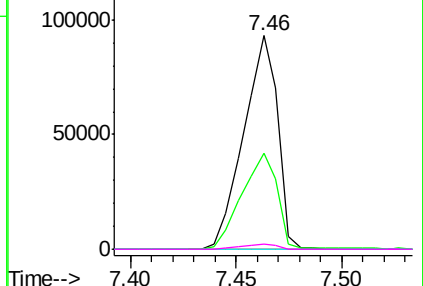
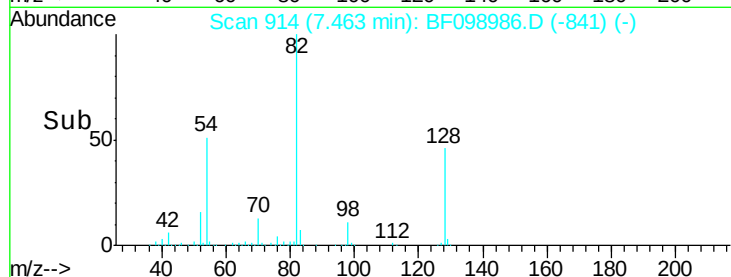


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

Tgt Ion:136 Resp: 550114

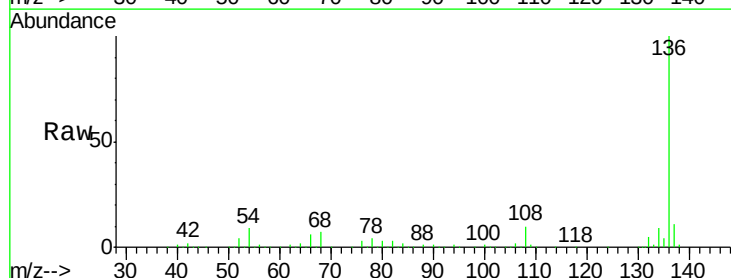
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.6 6.6 9.8

68 6.5 5.0 7.4

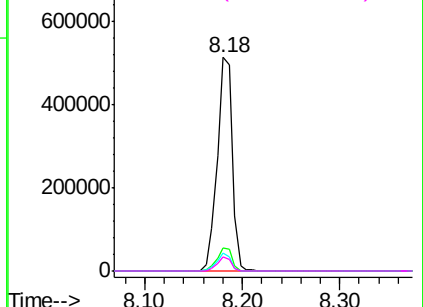
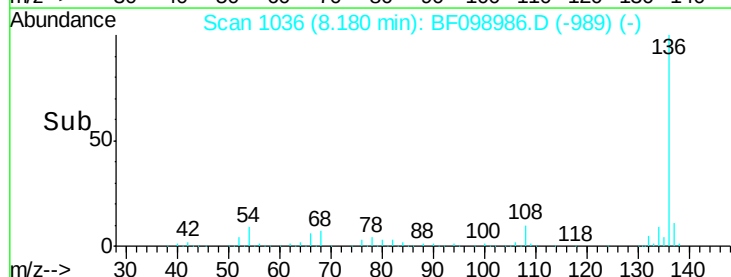


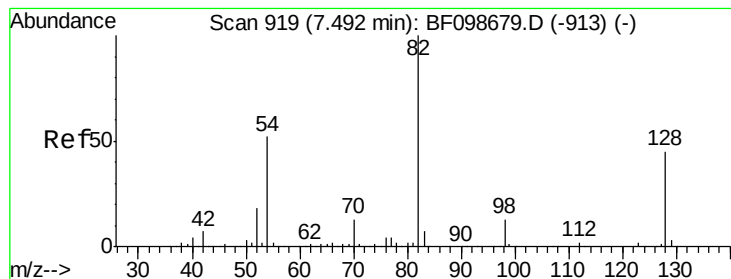
Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.00 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

PB102778BL

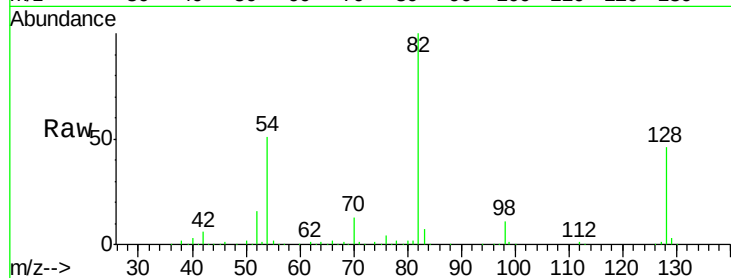
Tot Ion: 82 Resp: 789211

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

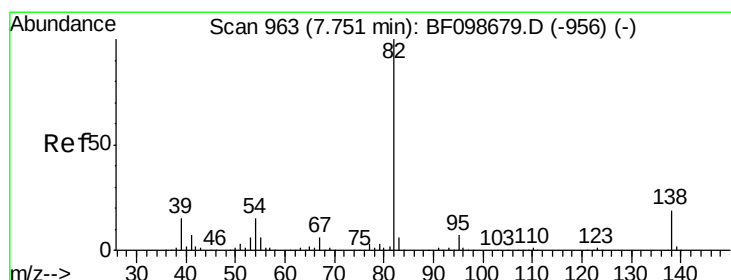
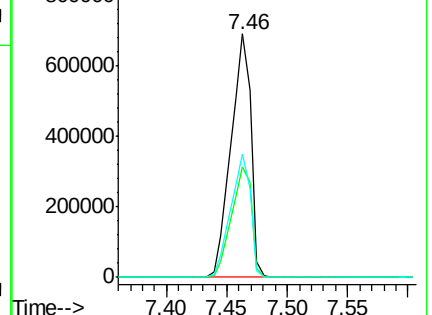
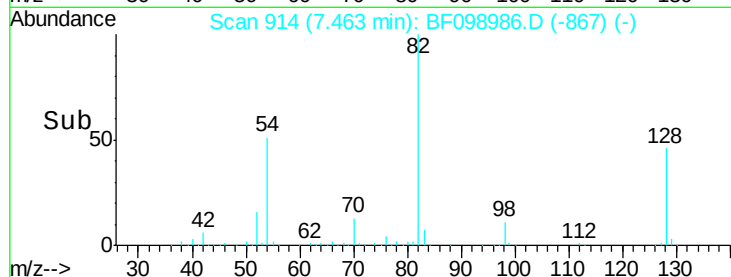
54 50.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 44.36 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.28 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

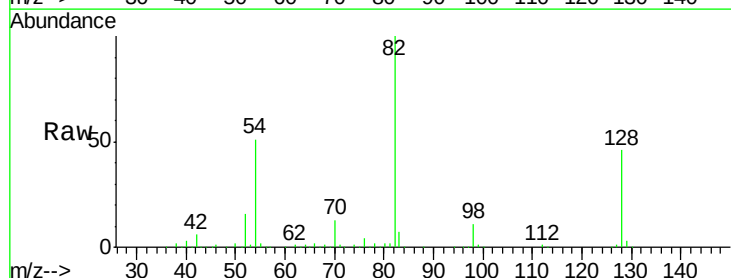
Tgt Ion: 82 Resp: 786795

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

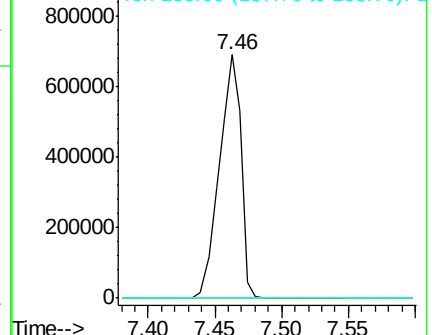
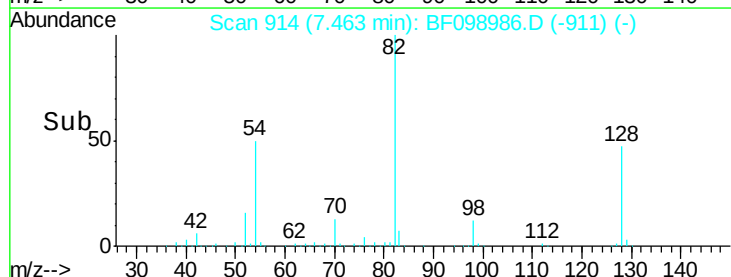
138 0.0 14.9 22.3#

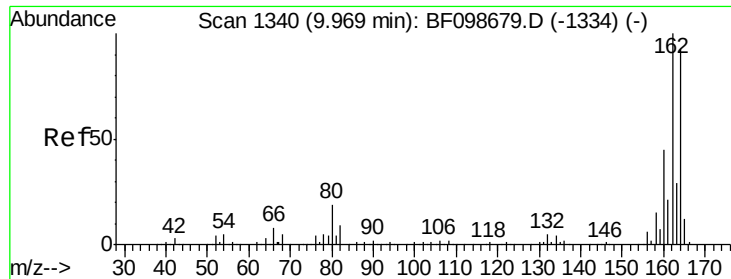


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.94 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

PB102778BL

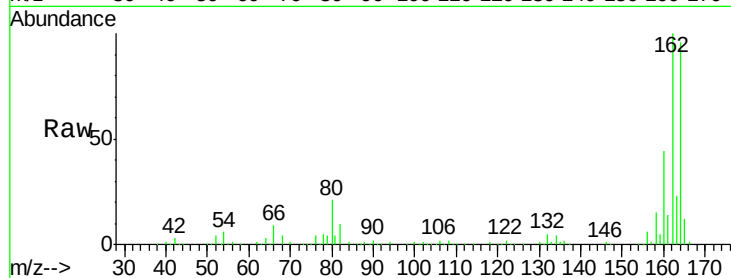
Tot Ion:164 Resp: 251630

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

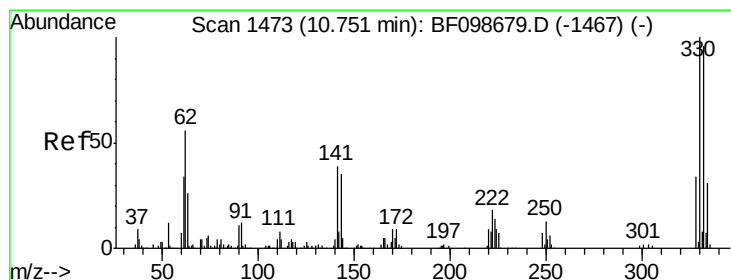
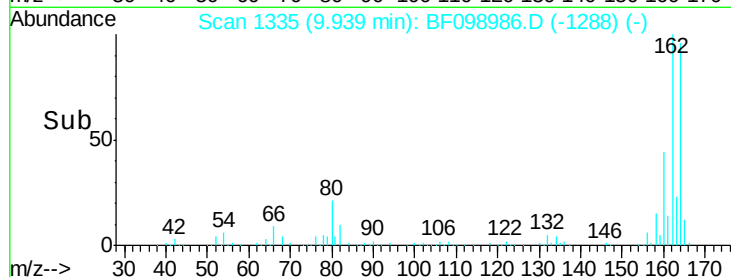
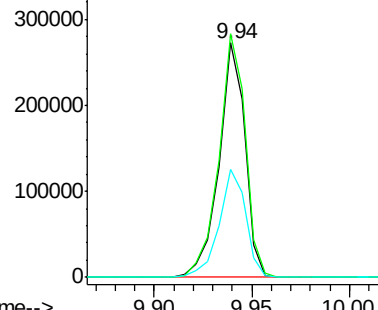
160 46.0 38.3 57.5



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: 127.35 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

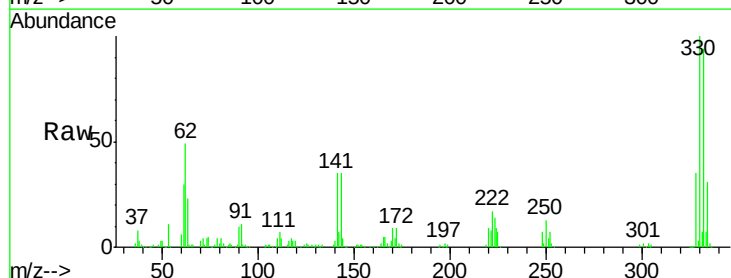
Tgt Ion:330 Resp: 262224

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

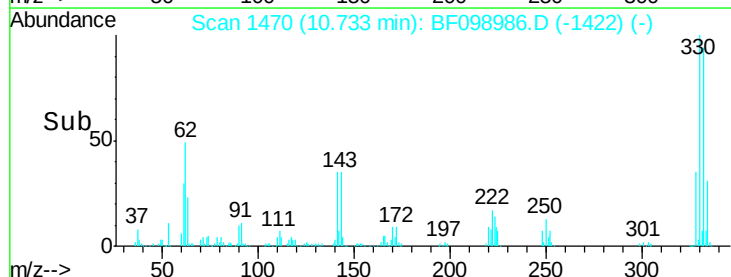
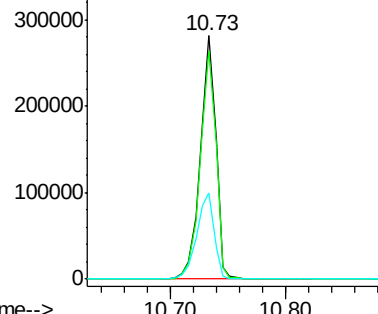
141 39.5 29.9 44.9

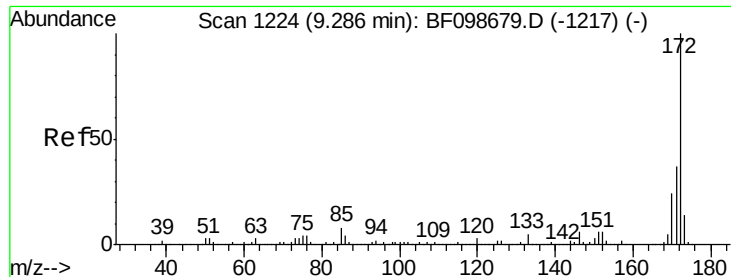


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



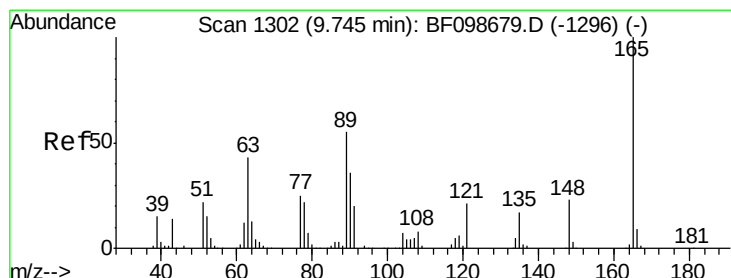
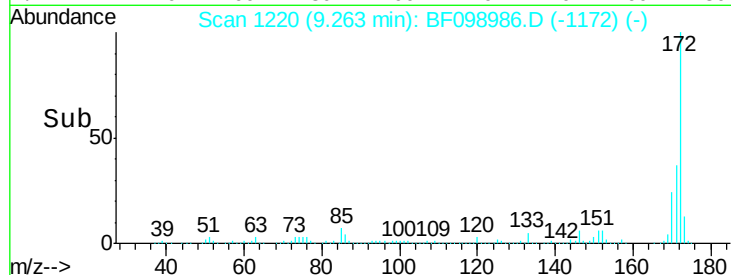
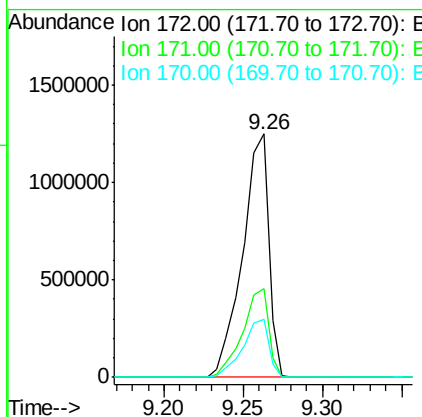
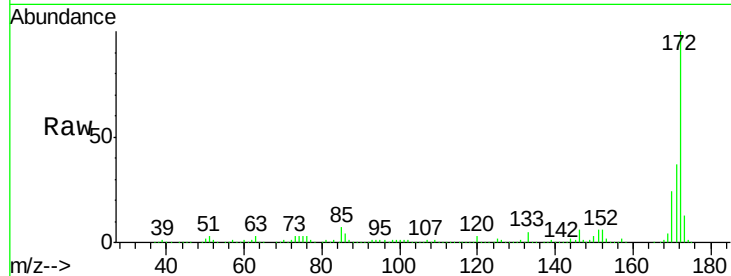


#44
 2-Fluorobiphenyl
 Concen: 95.08 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098986.D
 Acq: 1 Oct 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 PB102778BL

Tot Ion:172 Resp: 1433192

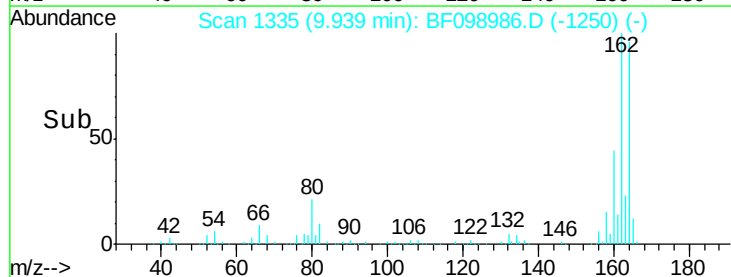
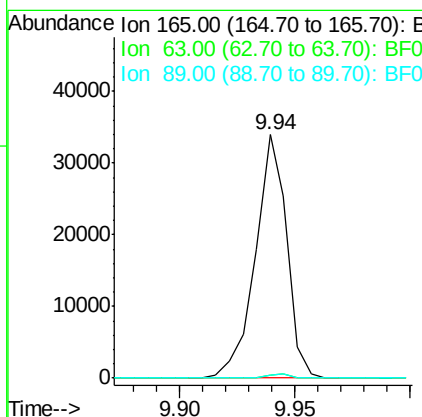
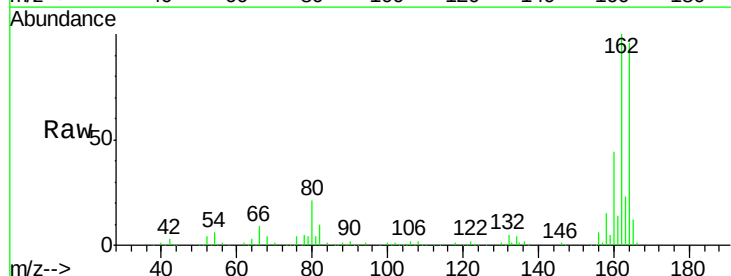
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.1	19.6	29.4

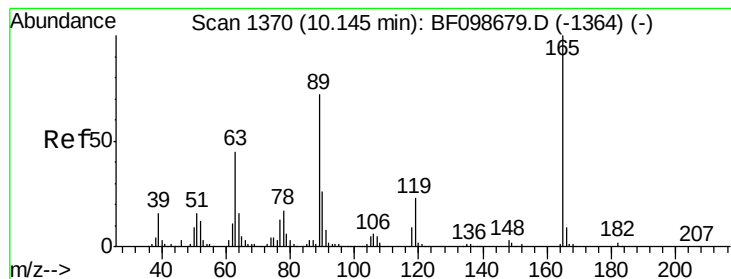


#50
 2,6-Dinitrotoluene
 Concen: 7.77 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.20 min
 Lab File: BF098986.D
 Acq: 1 Oct 2017 12:29

Tgt Ion:165 Resp: 32146

Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.1	44.0	66.0#





#56

2,4-Dinitrotoluene

Concen: 5.99 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.21 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

PB102778BL

Tot Ion:165 Resp: 32146

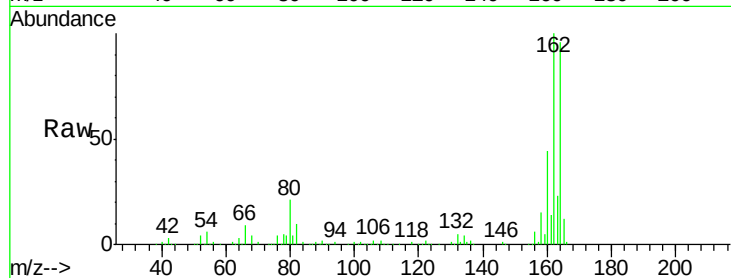
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

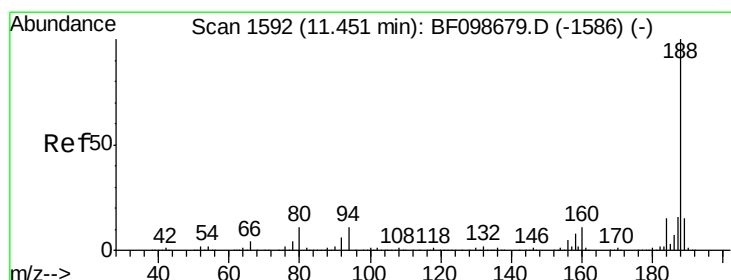
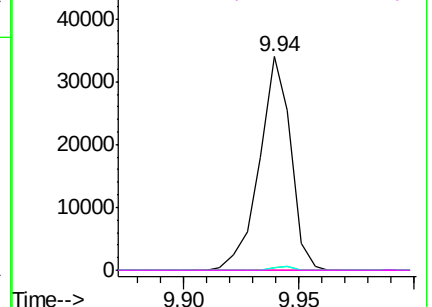
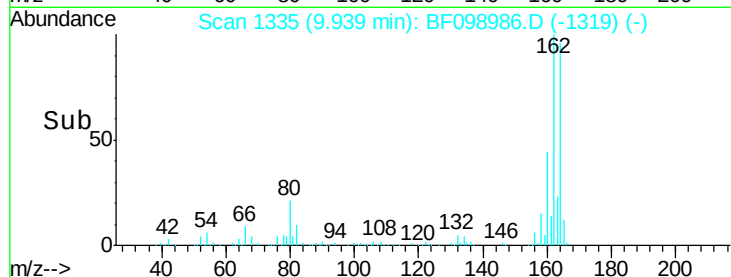


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.43 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

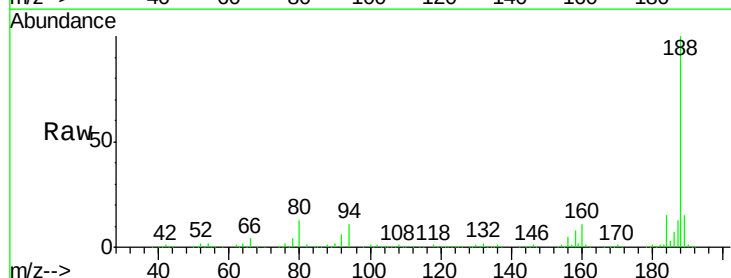
Tgt Ion:188 Resp: 457659

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

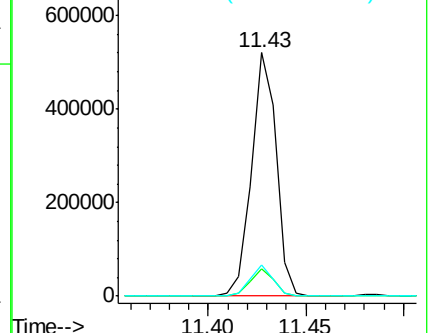
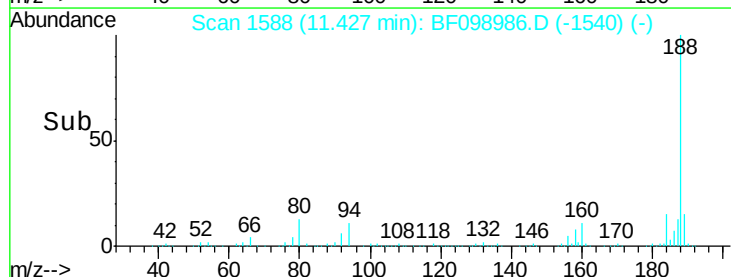
80 12.6 9.2 13.8

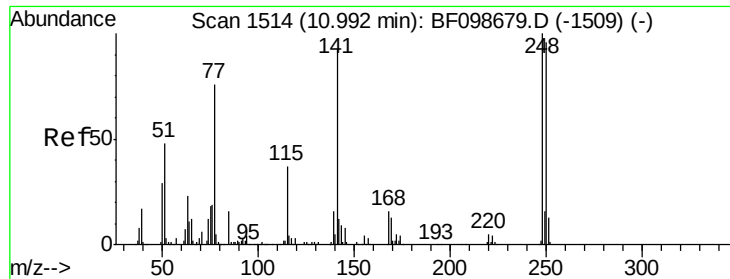


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

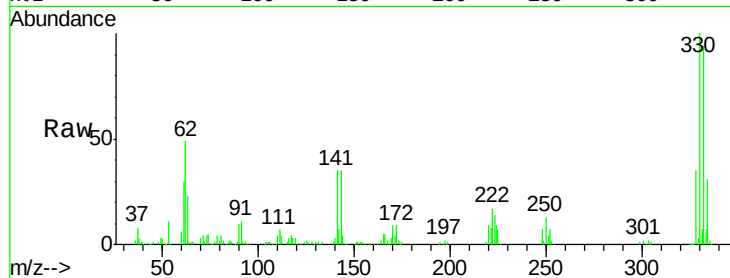




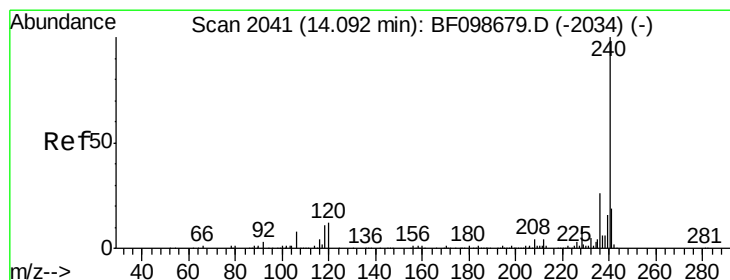
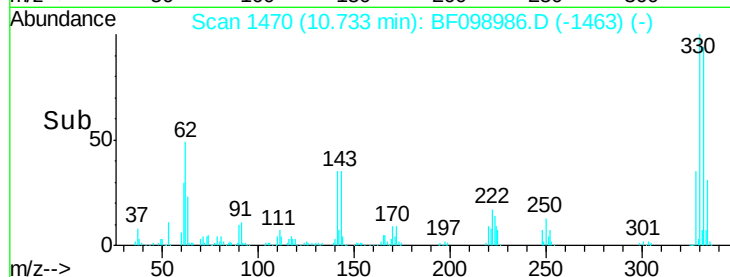
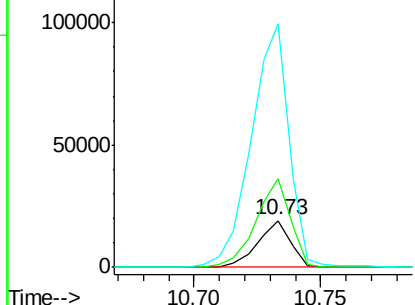
#66
 4-Bromophenyl-phenylether
 Concen: 3.93 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.26 min
 Lab File: BF098986.D
 Acq: 1 Oct 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 PB102778BL

Tot Ion:248 Resp: 17595
 Ion Ratio Lower Upper
 248 100
 250 190.5 76.9 115.3#
 141 519.1 74.4 111.6#

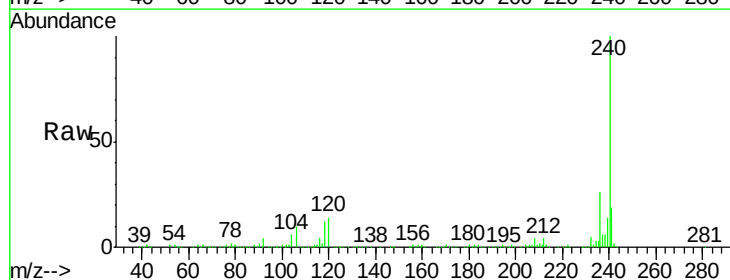


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

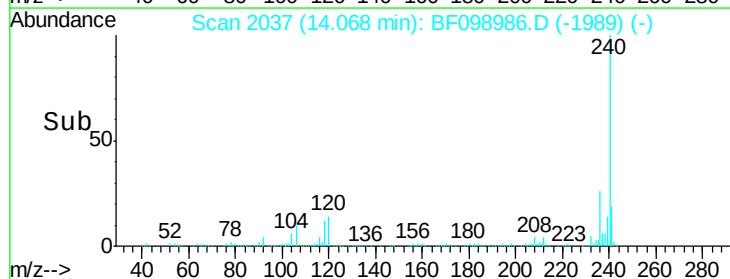
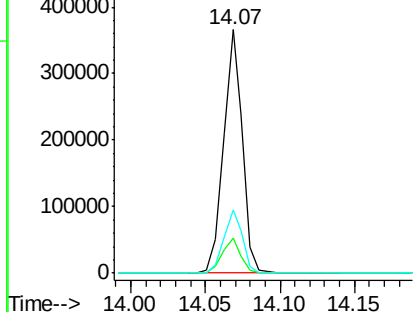


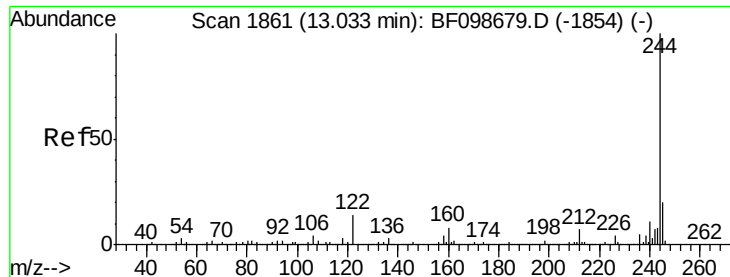
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.02 min
 Lab File: BF098986.D
 Acq: 1 Oct 2017 12:29

Tgt Ion:240 Resp: 324801
 Ion Ratio Lower Upper
 240 100
 120 14.4 9.5 14.3#
 236 26.1 20.7 31.1



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: 89.18 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

Instrument :

BNA_F

ClientSampleId :

PB102778BL

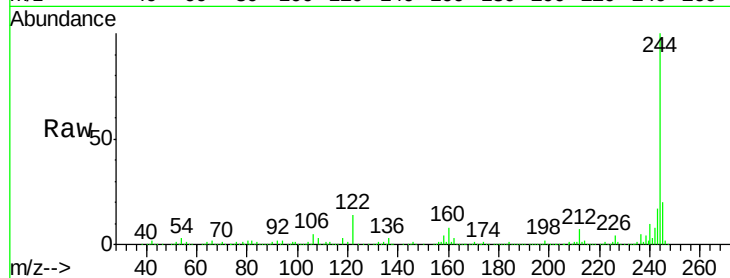
Tot Ion:244 Resp: 1273732

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

122 14.1 11.0 16.4

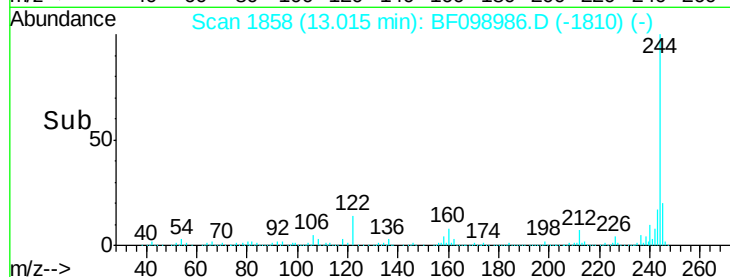


Abundance Ion 244.00 (243.70 to 244.70): E

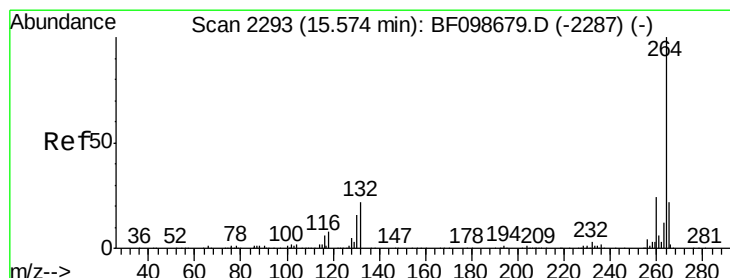
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 12.90 13.02 13.10



Time--> 12.90 13.02 13.10



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.02 min

Lab File: BF098986.D

Acq: 1 Oct 2017 12:29

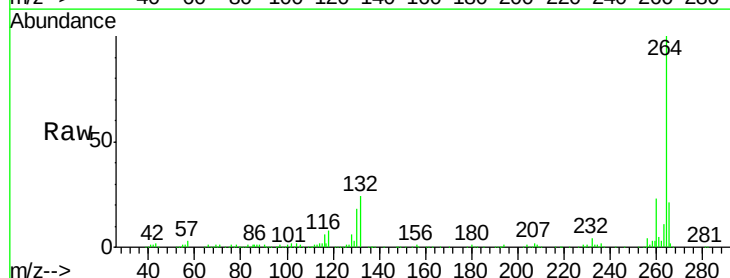
Tgt Ion:264 Resp: 233519

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 20.9 17.5 26.3

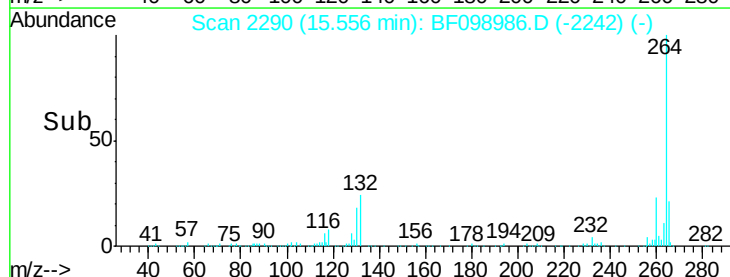


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time--> 15.50 15.56 15.70



Time--> 15.50 15.56 15.70