

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\
 Data File : BF099600.D
 Acq On : 18 Oct 2017 00:03
 Operator : SJ/JU
 Sample : I5869-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 00:44:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 17:32:20 2017
 Response via : Initial Calibration

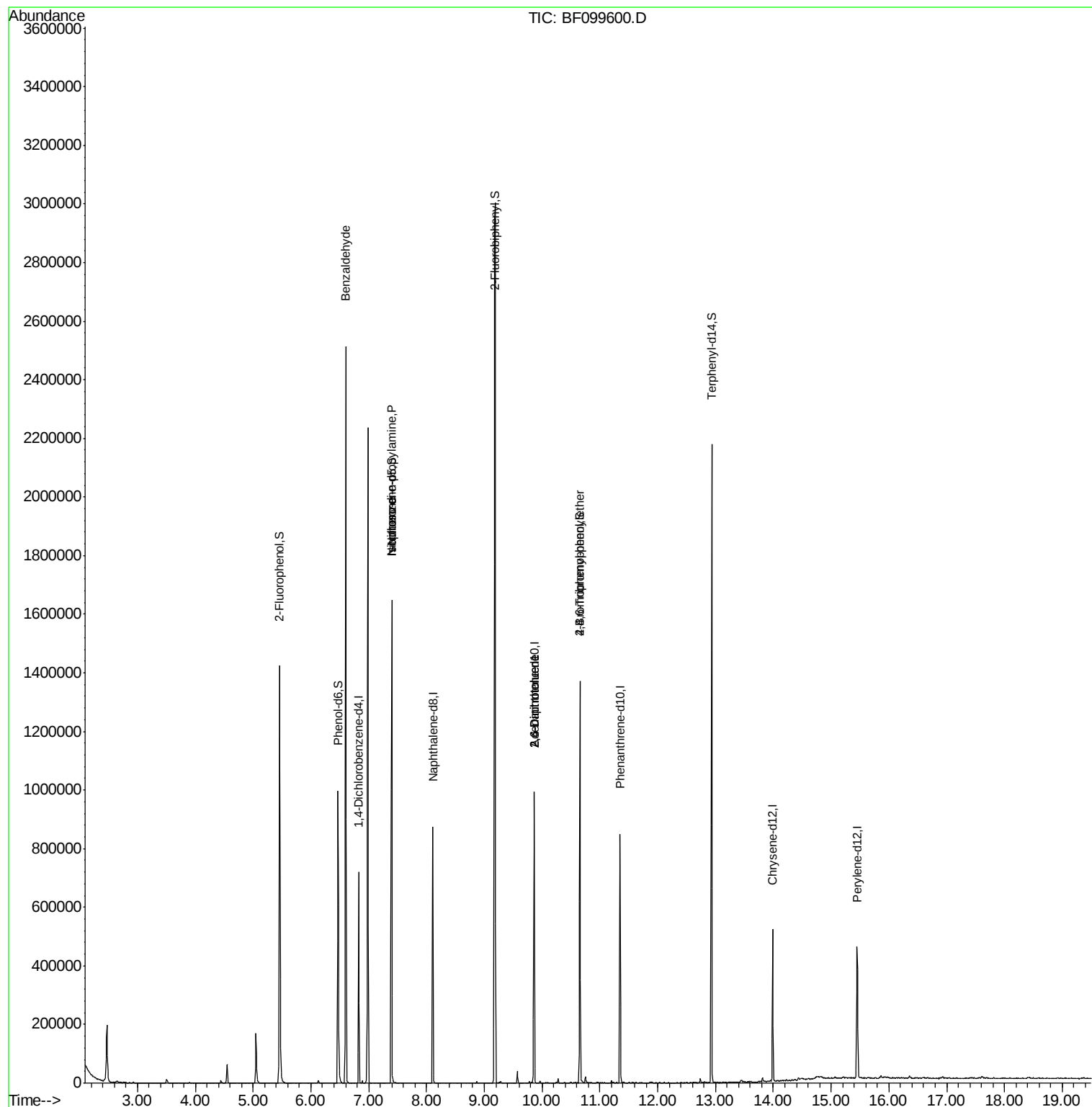
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	107826	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	435888	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	192759	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	293993	20.00	ng	0.00
75) Chrysene-d12	13.99	240	175817	20.00	ng	0.00
86) Perylene-d12	15.45	264	188185	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	452024	66.74	ng	0.01
7) Phenol-d6	6.47	99	339167	40.59	ng	0.00
23) Nitrobenzene-d5	7.40	82	640147	94.18	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	174206	110.45	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1155219	100.05	ng	0.00
78) Terphenyl-d14	12.93	244	711198	91.99	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	14390	2.97	ng	Qvalue 90
19) n-Nitroso-di-n-propylamine	7.40	70	80697	15.13	ng	# 72
25) Isophorone	7.40	82	640143	45.55	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	24105	7.61	ng	# 25
56) 2,4-Dinitrotoluene	9.86	165	24105	5.86	ng	# 23
66) 4-Bromophenyl-phenylether	10.66	248	11268	3.92	ng	# 1

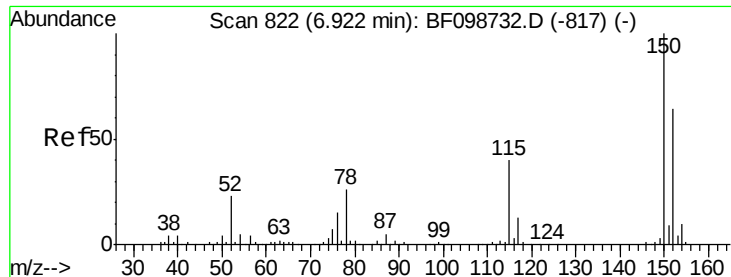
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.00 min

Lab File: BF099600.D

Acq: 18 Oct 2017 00:03

Instrument :

BNA_F

ClientSampleId :

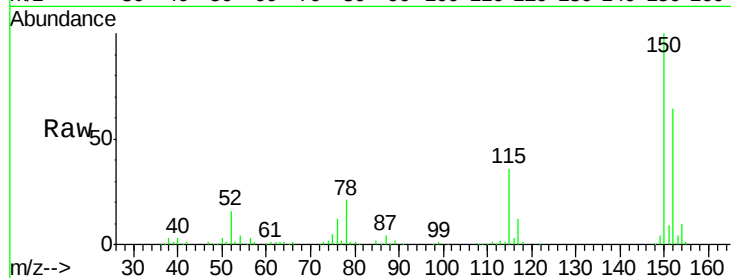
Tot Ion:152 Resp: 107826

Ion Ratio Lower Upper

152 100

150 157.1 124.6 186.8

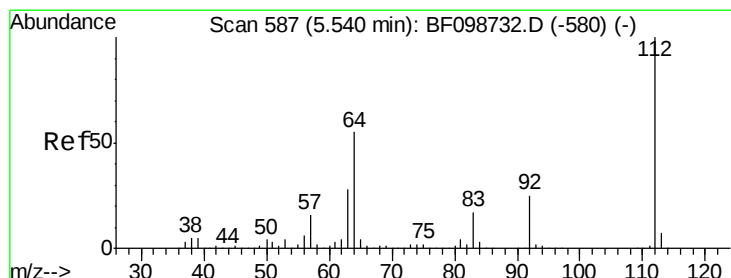
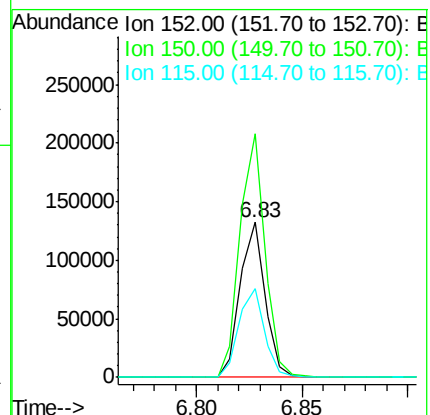
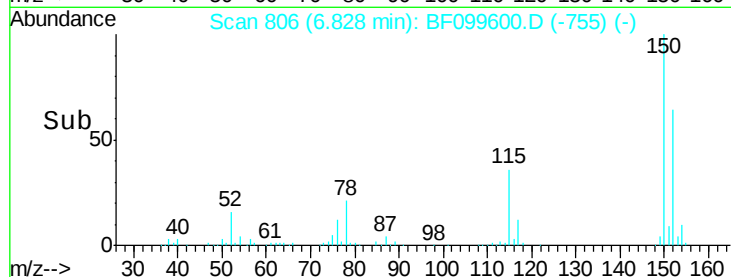
115 57.3 50.1 75.1



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: 66.74 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.01 min

Lab File: BF099600.D

Acq: 18 Oct 2017 00:03

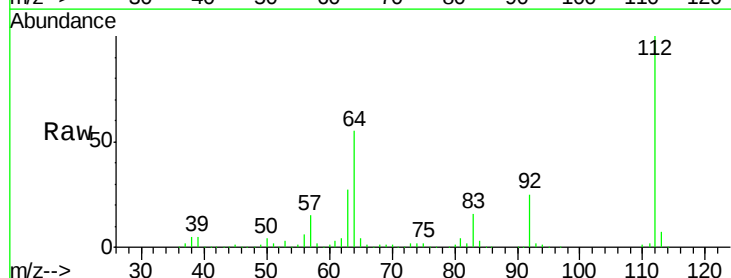
Tgt Ion:112 Resp: 452024

Ion Ratio Lower Upper

112 100

64 54.5 47.9 71.9

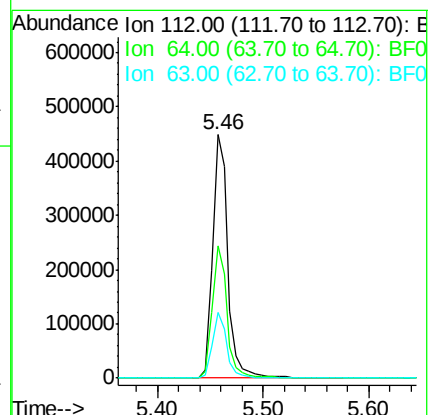
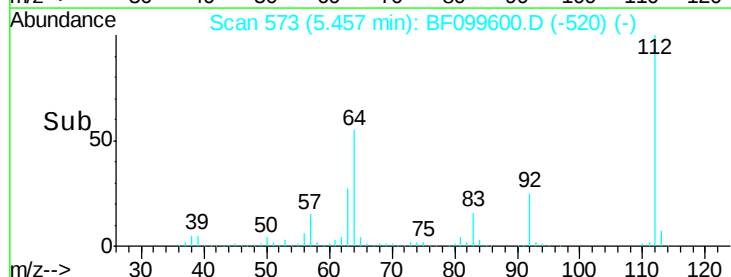
63 27.0 23.7 35.5

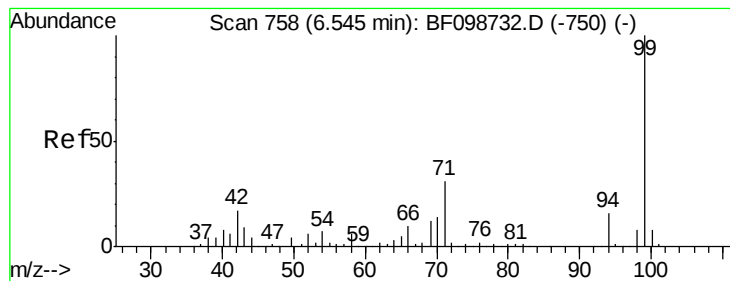


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.59 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF099600.D

Acq: 18 Oct 2017 00:03

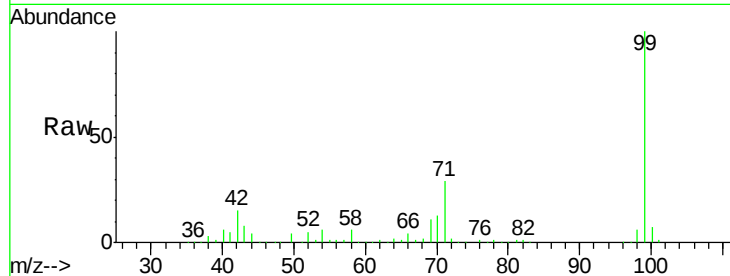
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 339167

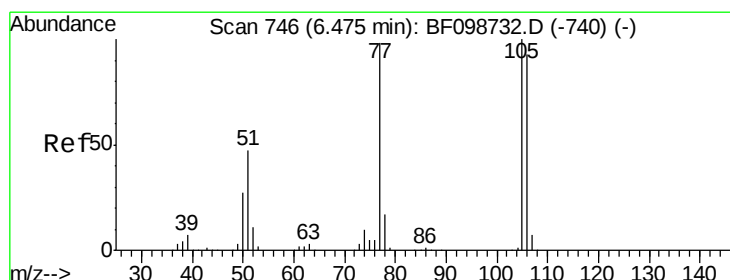
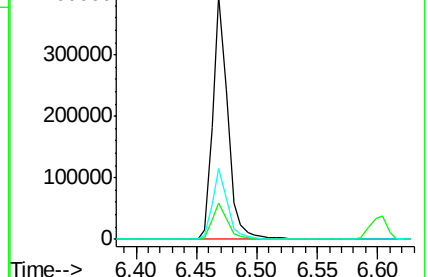
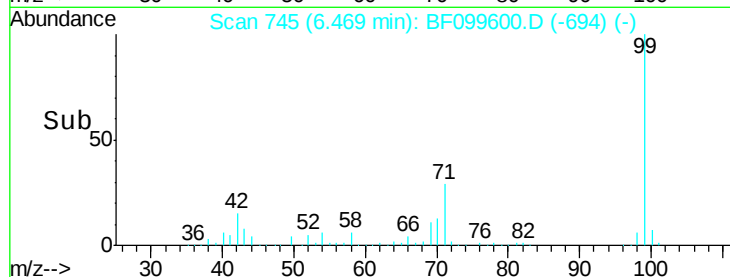
Ion	Ratio	Lower	Upper
99	100		
42	14.8	14.5	21.7
71	29.1	25.4	38.0



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: 2.97 ng

RT: 6.60 min Scan# 768

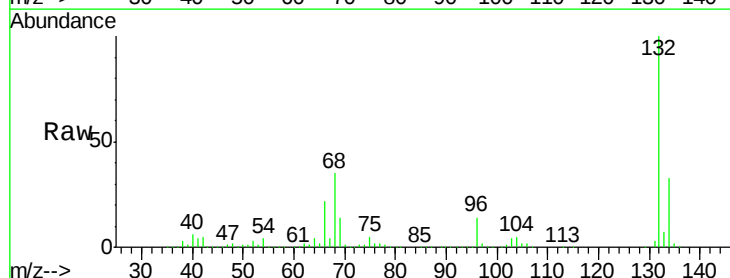
Delta R.T. 0.22 min

Lab File: BF099600.D

Acq: 18 Oct 2017 00:03

Tgt Ion: 77 Resp: 14390

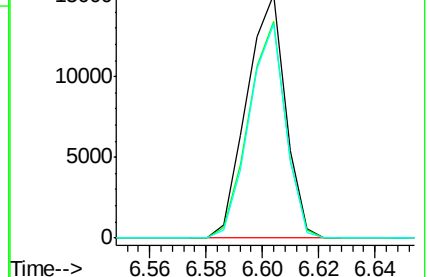
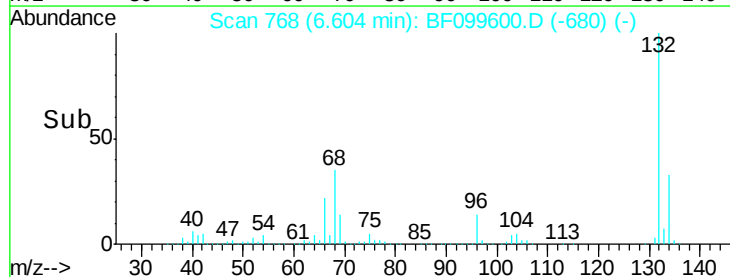
Ion	Ratio	Lower	Upper
77	100		
105	88.9	81.1	121.1
106	87.8	74.5	114.5

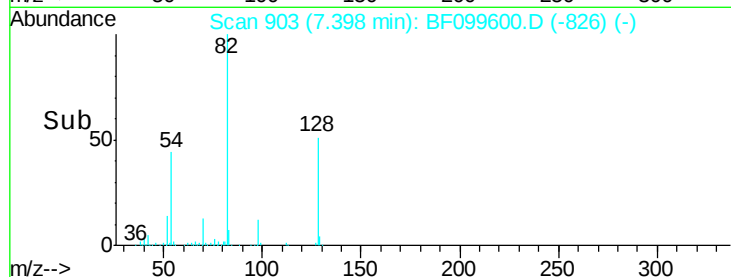
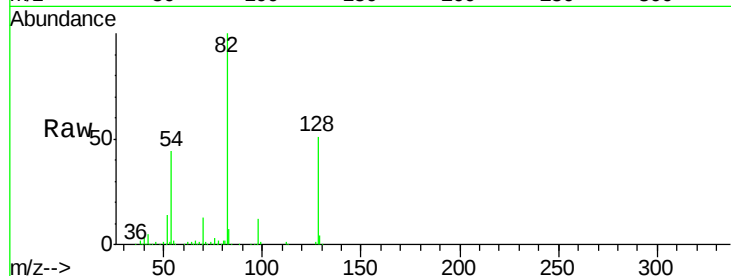


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 15.13 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF099600.D

Acq: 18 Oct 2017 00:03

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 80697

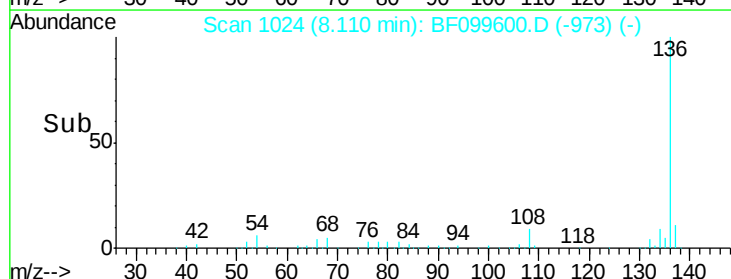
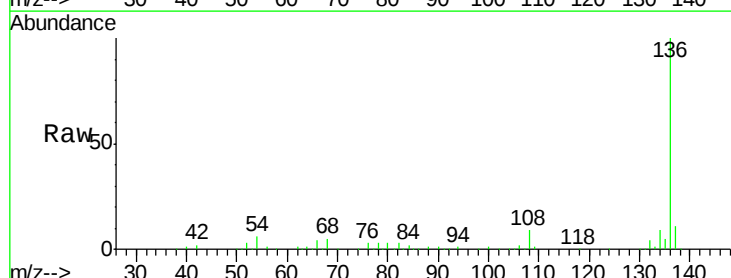
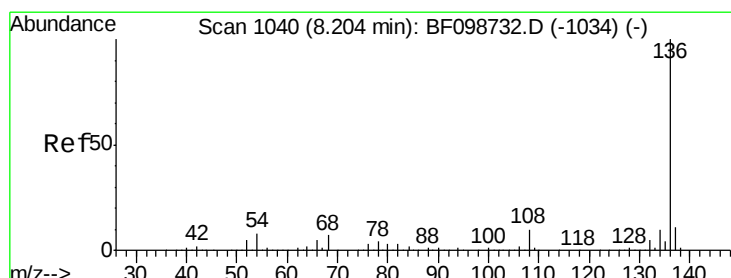
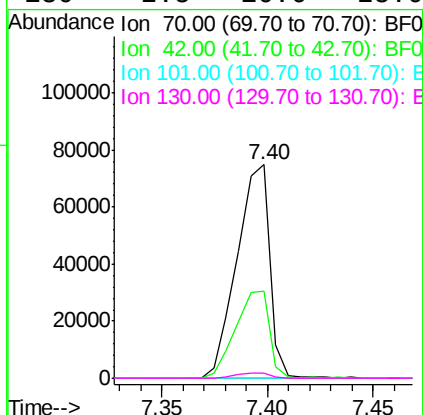
Ion Ratio Lower Upper

70 100

42 40.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF099600.D

Acq: 18 Oct 2017 00:03

Tgt Ion: 136 Resp: 435888

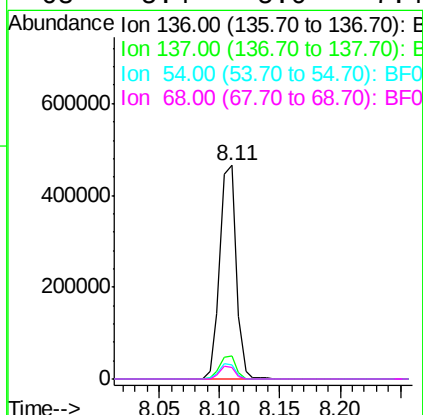
Ion Ratio Lower Upper

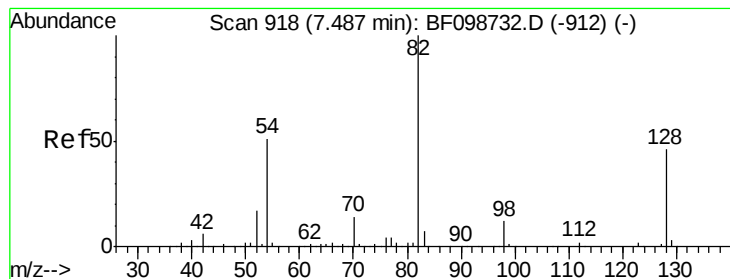
136 100

137 10.9 8.9 13.3

54 6.4 6.6 9.8#

68 5.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 94.18 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.00 min

Lab File: BF099600.D

Acq: 18 Oct 2017 00:03

Instrument :

BNA_F

ClientSampled :

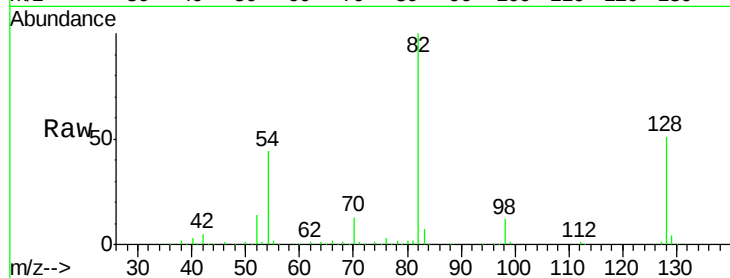
Tot Ion: 82 Resp: 640147

Ion Ratio Lower Upper

82 100

128 50.6 36.1 54.1

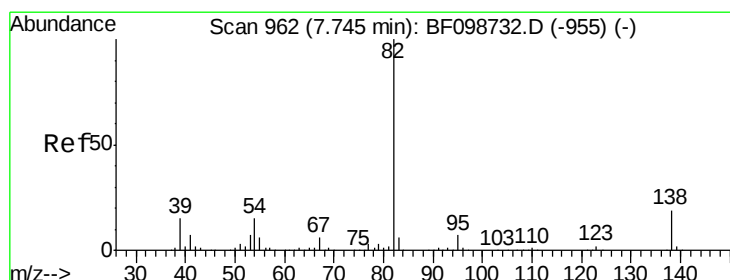
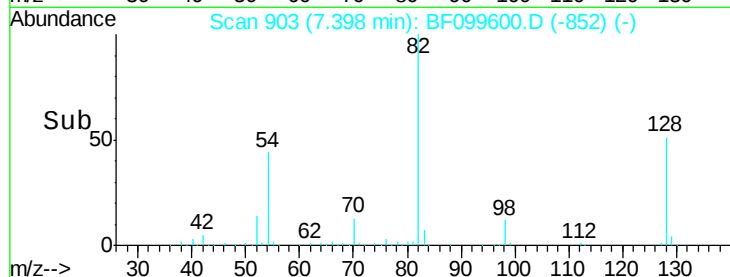
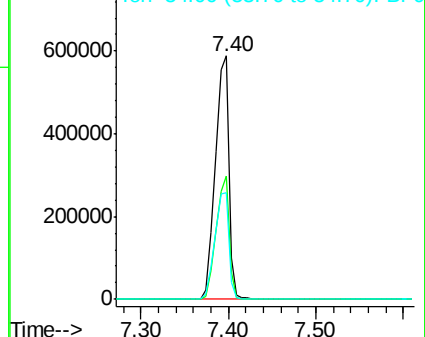
54 44.0 41.4 62.2



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: 45.55 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.25 min

Lab File: BF099600.D

Acq: 18 Oct 2017 00:03

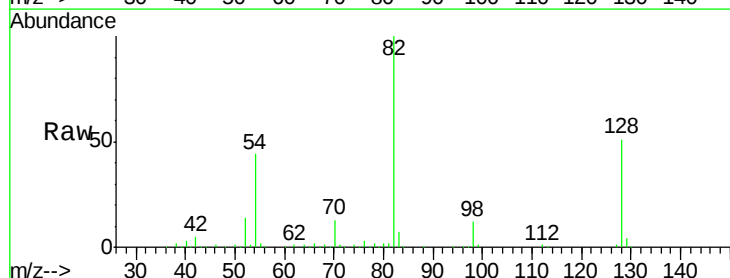
Tgt Ion: 82 Resp: 640143

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

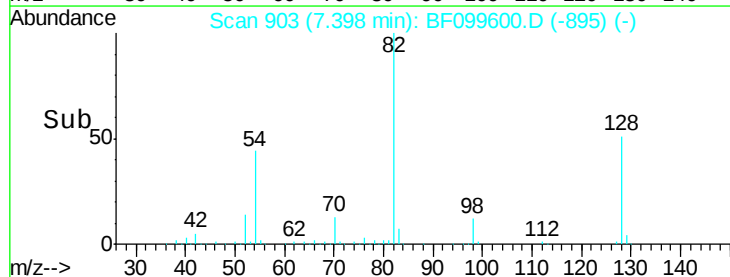
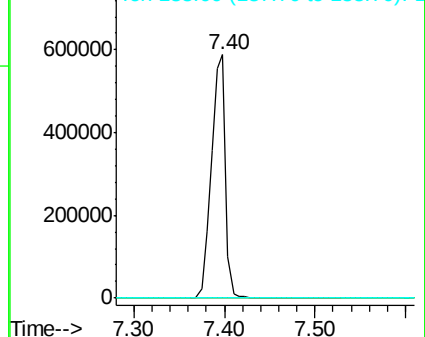
138 0.0 14.9 22.3#



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: 9.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF099600.D

Acq: 18 Oct 2017 00:03

Instrument :

BNA_F

ClientSampleId :

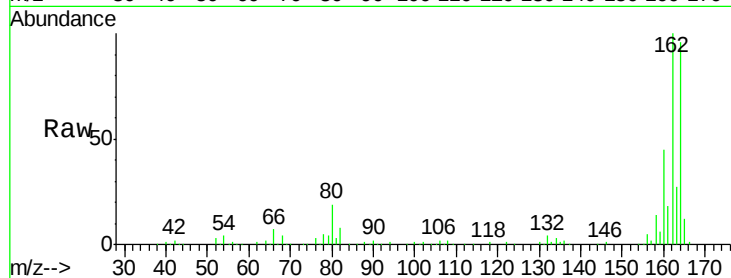
Tot Ion:164 Resp: 192759

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

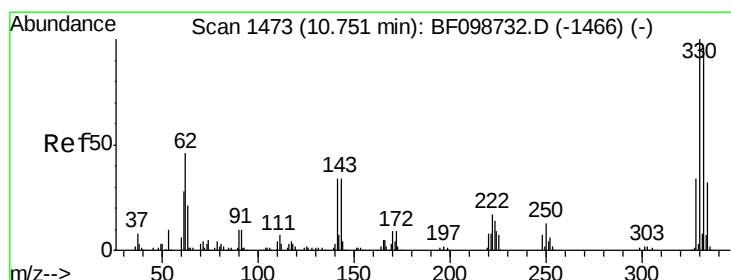
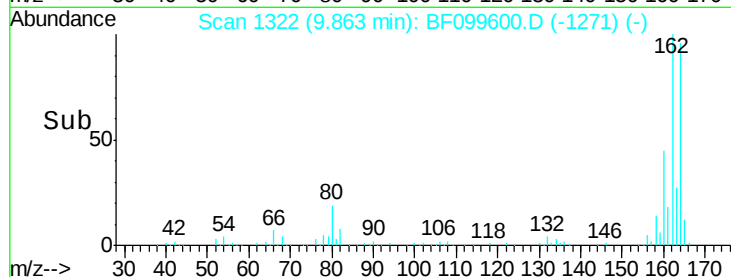
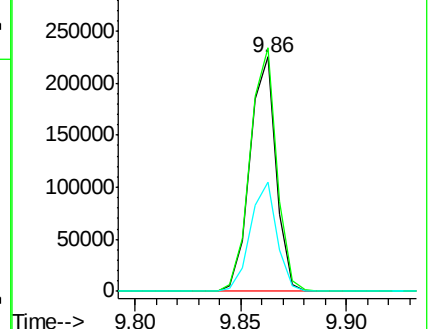
160 46.6 38.3 57.5



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: 110.45 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BF099600.D

Acq: 18 Oct 2017 00:03

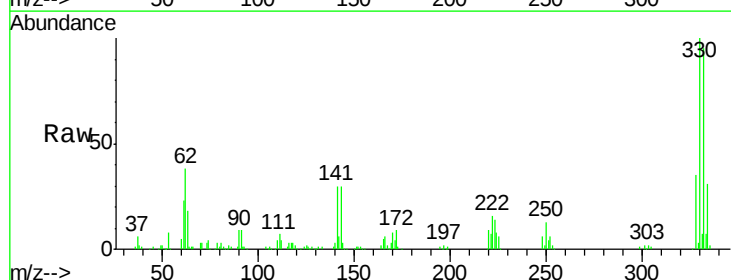
Tgt Ion:330 Resp: 174206

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

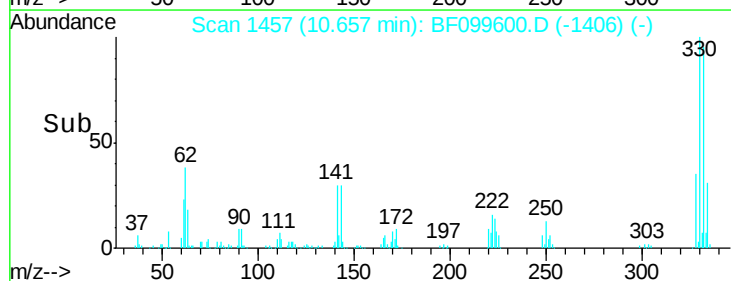
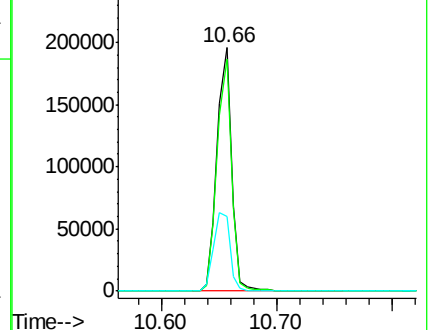
141 36.2 29.9 44.9



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



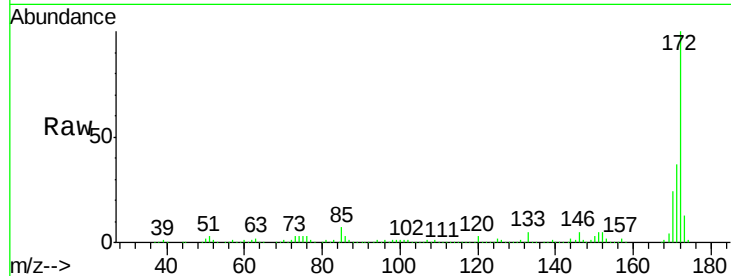


#44
 2-Fluorobiphenyl
 Concen: 100.05 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF099600.D
 Acq: 18 Oct 2017 00:03

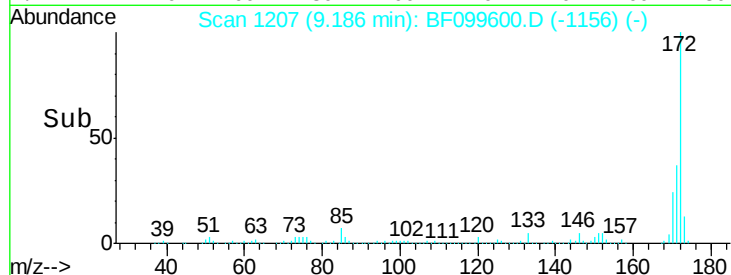
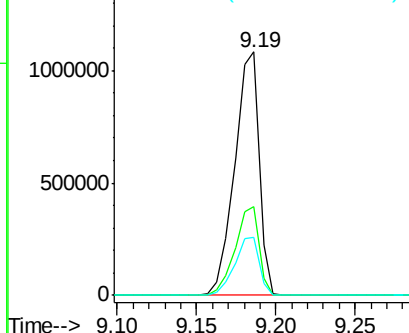
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1155219

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.9	19.6	29.4



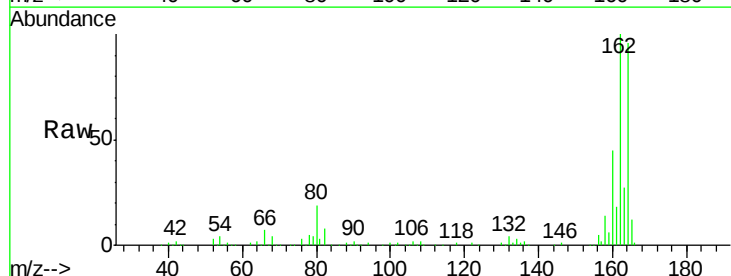
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



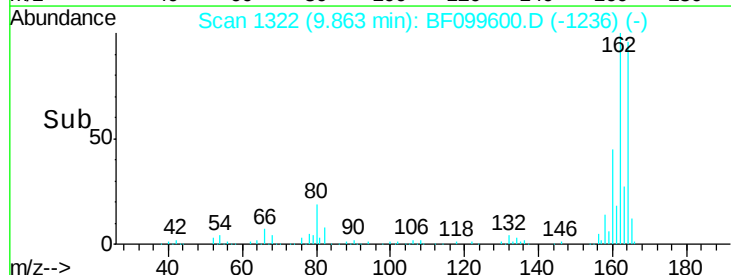
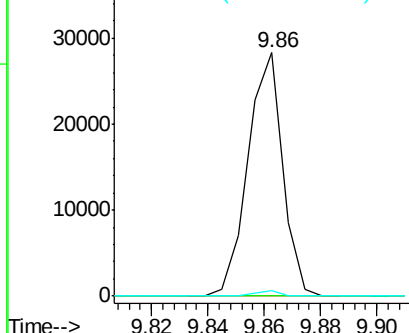
#50
 2,6-Dinitrotoluene
 Concen: 7.61 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF099600.D
 Acq: 18 Oct 2017 00:03

Tgt Ion:165 Resp: 24105

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	2.0	44.0	66.0#



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

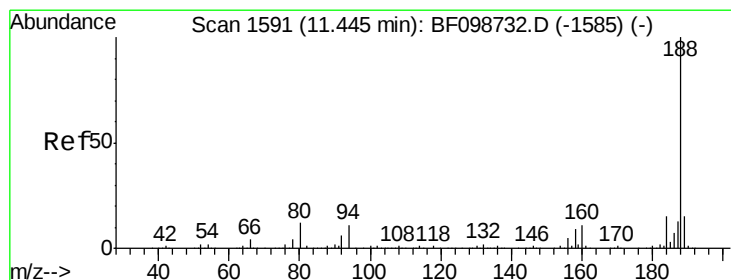
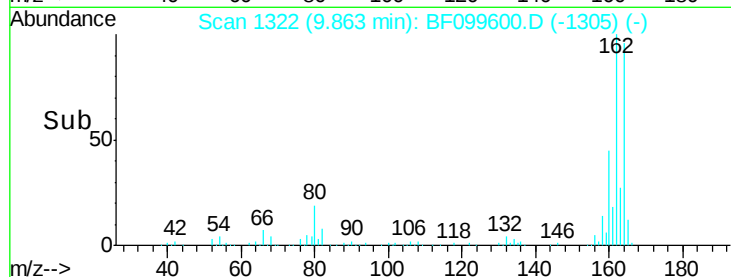
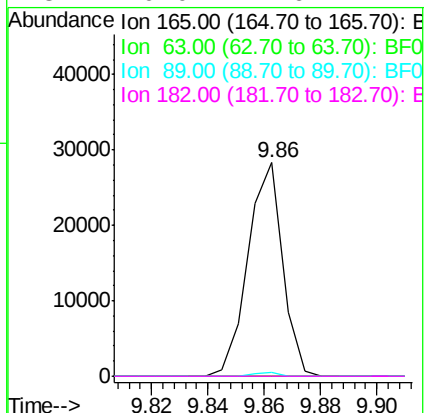
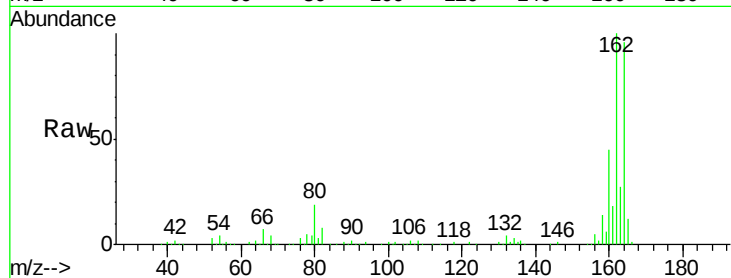




#56
 2,4-Dinitrotoluene
 Concen: 5.86 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF099600.D
 Acq: 18 Oct 2017 00:03

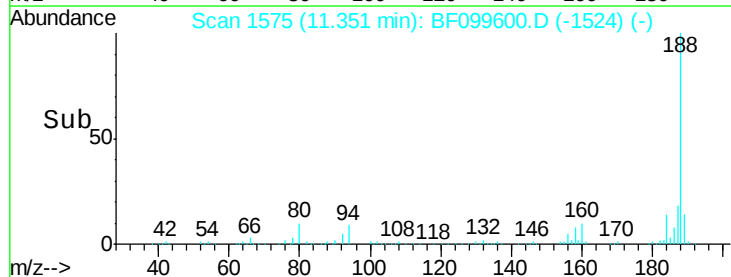
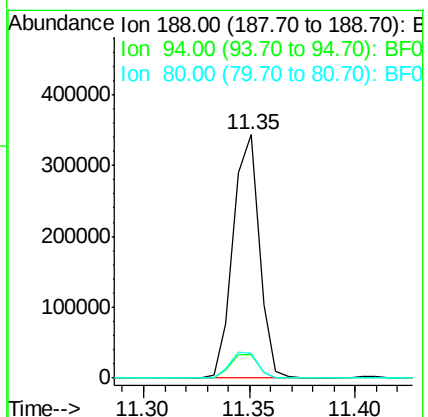
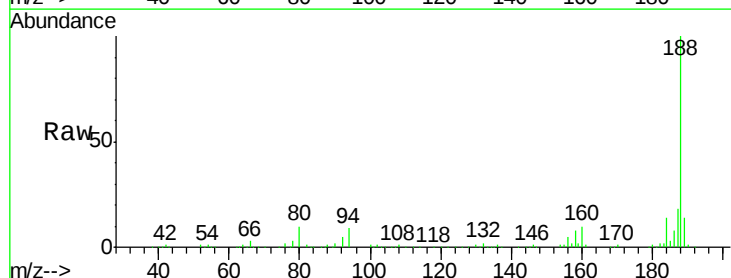
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	24105
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	2.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BF099600.D
 Acq: 18 Oct 2017 00:03

Tgt Ion:188	Resp:	293993
Ion Ratio	Lower	Upper
188	100	
94	9.5	8.5 12.7
80	10.1	9.2 13.8

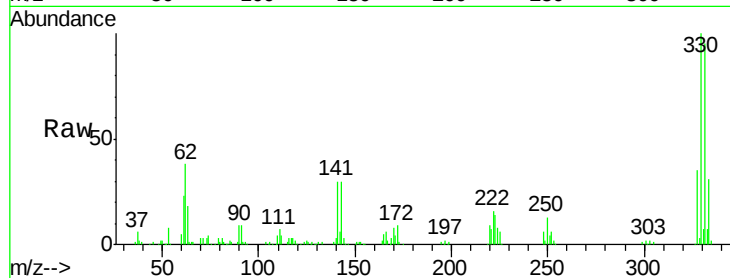




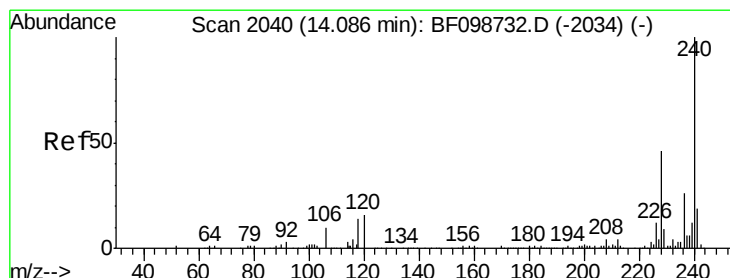
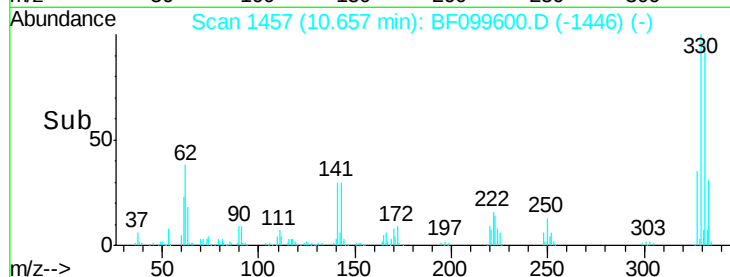
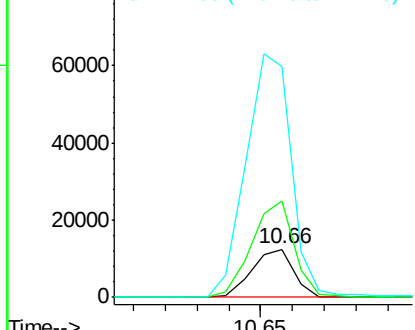
#66
4-Bromophenyl-phenylether
Concen: 3.92 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.24 min
Lab File: BF099600.D
Acq: 18 Oct 2017 00:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11268
Ion Ratio Lower Upper
248 100
250 201.5 76.9 115.3#
141 478.6 74.4 111.6#

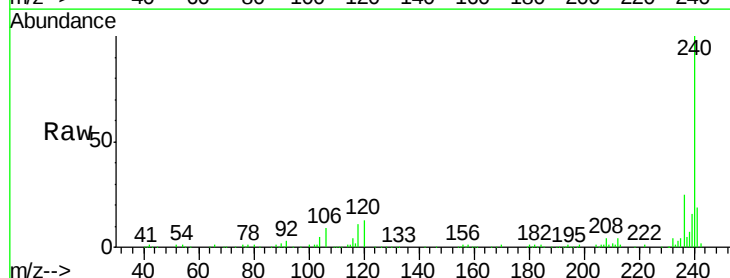


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

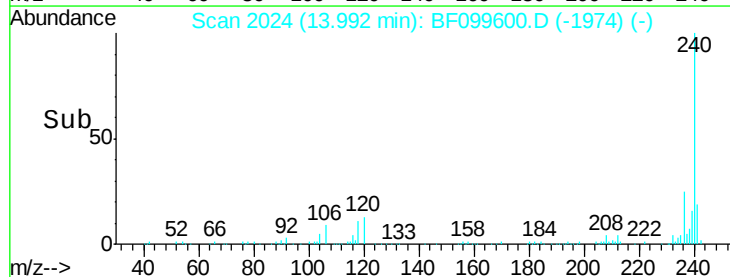
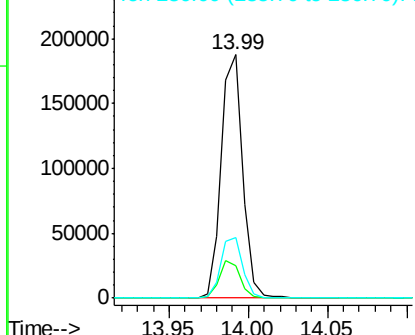


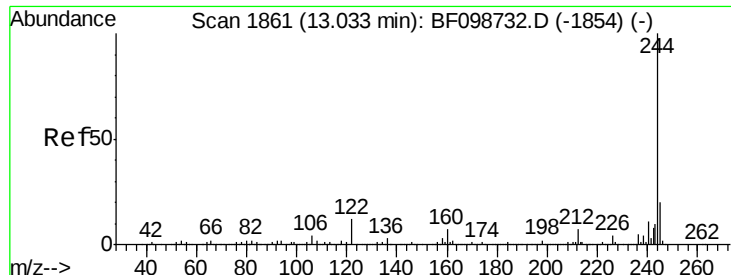
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF099600.D
Acq: 18 Oct 2017 00:03

Tgt Ion:240 Resp: 175817
Ion Ratio Lower Upper
240 100
120 13.1 9.5 14.3
236 24.9 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

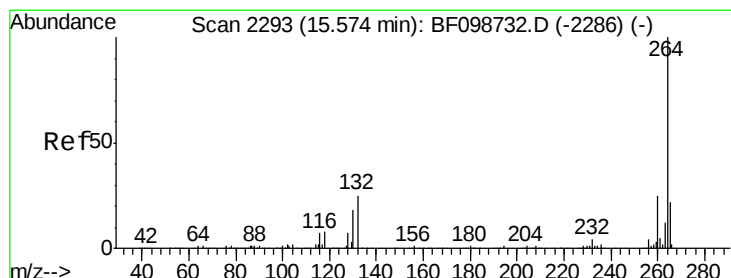
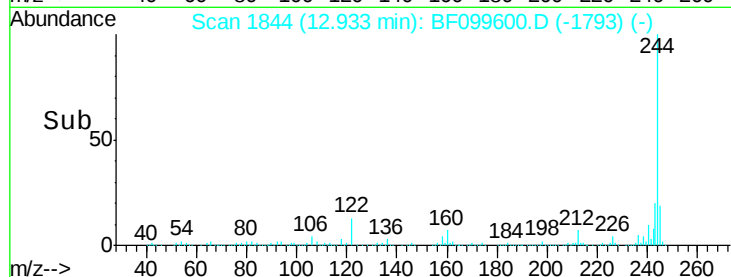
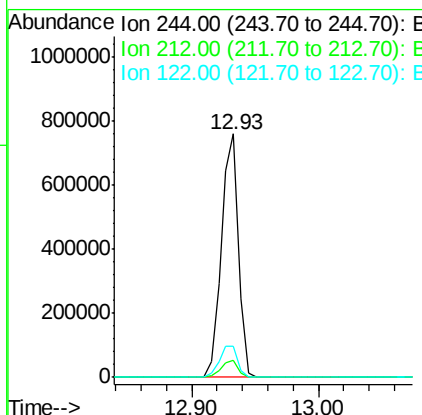
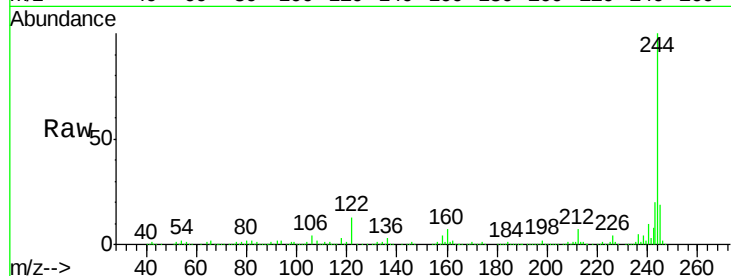




#78
 Terphenyl-d14
 Concen: 91.99 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BF099600.D
 Acq: 18 Oct 2017 00:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 711198
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: BF099600.D
 Acq: 18 Oct 2017 00:03

Tgt Ion:264 Resp: 188185
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.6 17.5 26.3

