

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\
 Data File : BF099603.D
 Acq On : 18 Oct 2017 1:26
 Operator : SJ/JU
 Sample : I5837-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 02:51:56 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

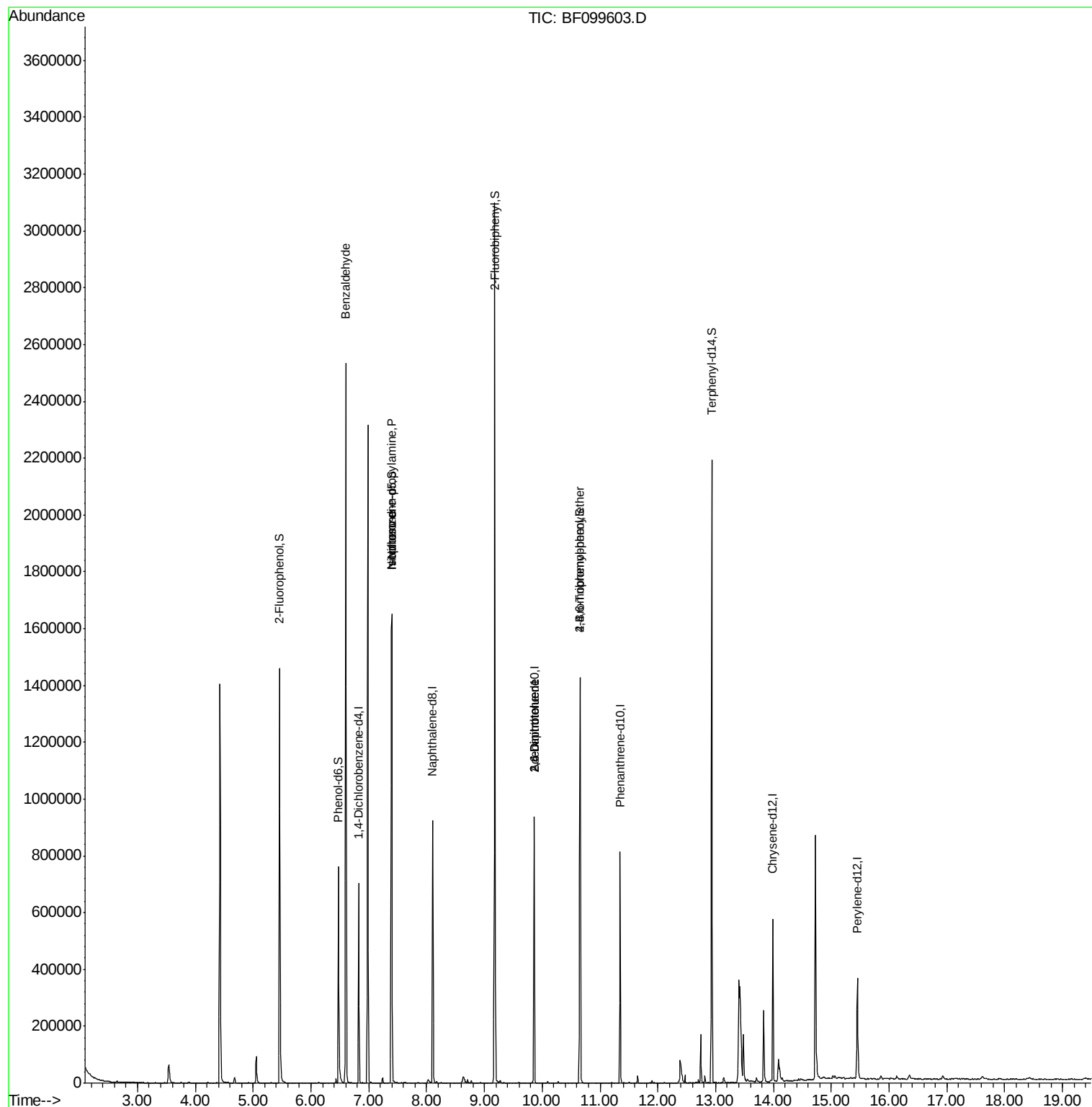
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	111331	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	454381	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	185012	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	292633	20.00	ng	0.00
75) Chrysene-d12	13.99	240	185425	20.00	ng	-0.01
86) Perylene-d12	15.45	264	125105	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	439600	62.86	ng	0.01
7) Phenol-d6	6.47	99	311438	36.10	ng	0.00
23) Nitrobenzene-d5	7.40	82	658683	92.96	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	187763	124.03	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1177063	106.21	ng	0.00
78) Terphenyl-d14	12.93	244	723223	88.70	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	13942	2.79	ng	Qvalue 93
19) n-Nitroso-di-n-propylamine	7.40	70	84016	15.25	ng	# 70
25) Isophorone	7.40	82	658673	44.96	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	23152	7.62	ng	# 25
56) 2,4-Dinitrotoluene	9.86	165	23152	5.87	ng	# 23
66) 4-Bromophenyl-phenylether	10.66	248	12342	4.31	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: BF099603.D

Acq: 18 Oct 2017 1:26

Instrument :

BNA_F

ClientSampled :

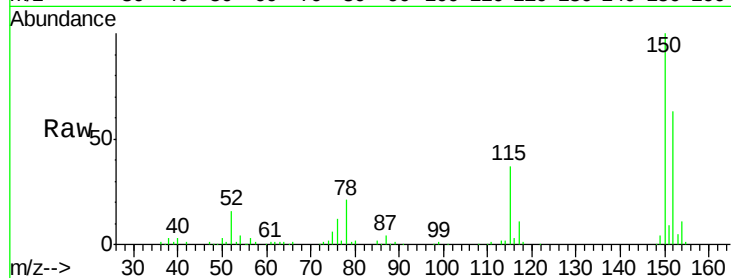
Tot Ion:152 Resp: 111331

Ion Ratio Lower Upper

152 100

150 159.8 124.6 186.8

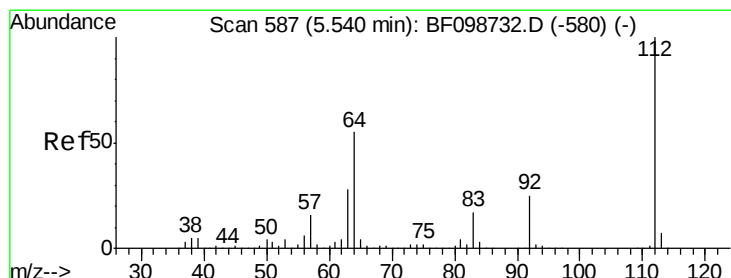
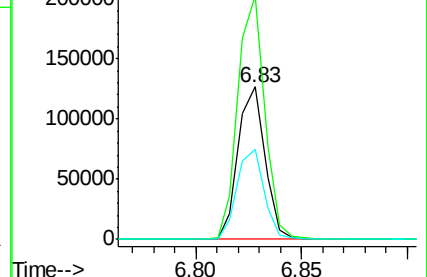
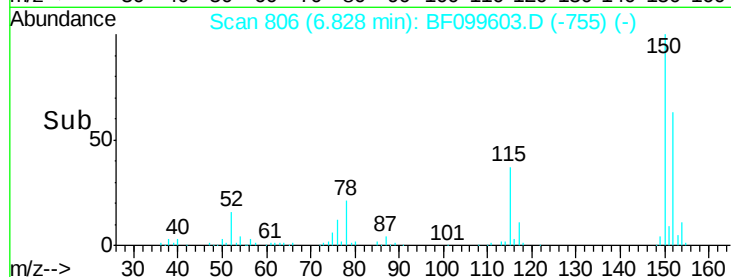
115 59.1 50.1 75.1



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: 62.86 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.01 min

Lab File: BF099603.D

Acq: 18 Oct 2017 1:26

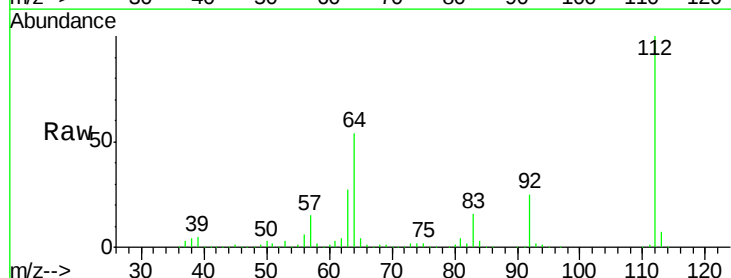
Tgt Ion:112 Resp: 439600

Ion Ratio Lower Upper

112 100

64 53.5 47.9 71.9

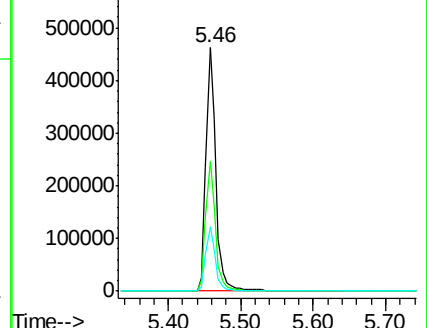
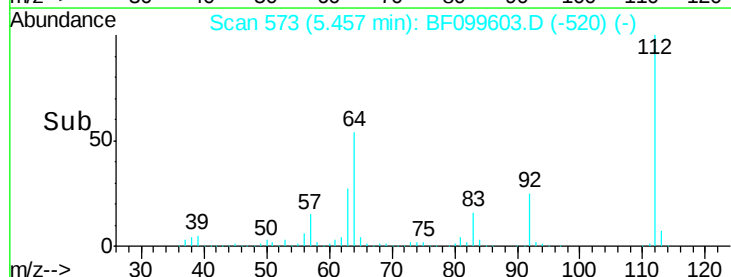
63 26.6 23.7 35.5



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: 36.10 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF099603.D

Acq: 18 Oct 2017 1:26

Instrument :

BNA_F

ClientSampleId :

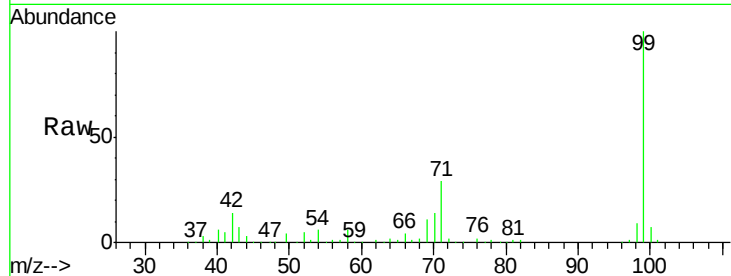
Tot Ion: 99 Resp: 311438

Ion Ratio Lower Upper

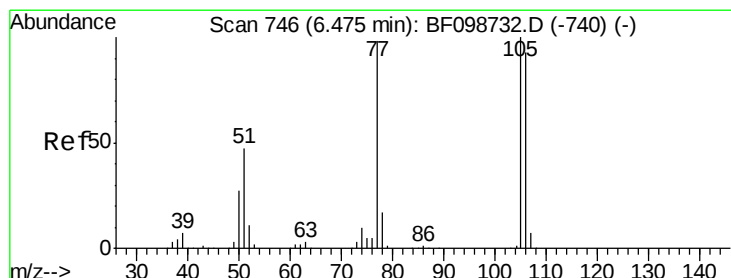
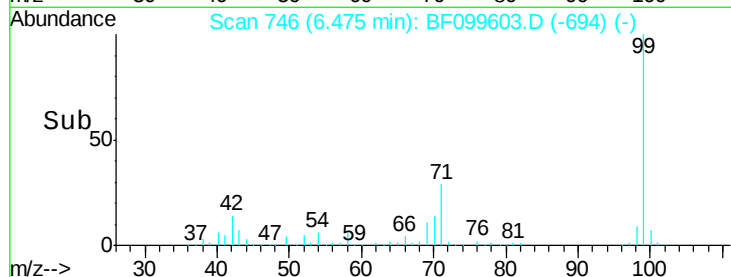
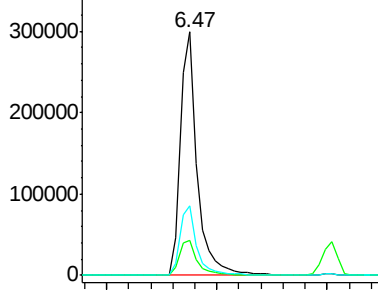
99 100

42 14.1 14.5 21.7#

71 28.7 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: 2.79 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF099603.D

Acq: 18 Oct 2017 1:26

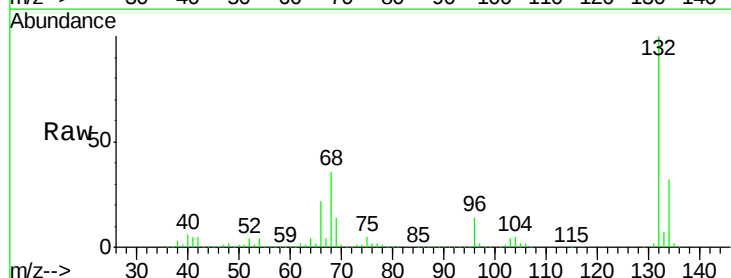
Tgt Ion: 77 Resp: 13942

Ion Ratio Lower Upper

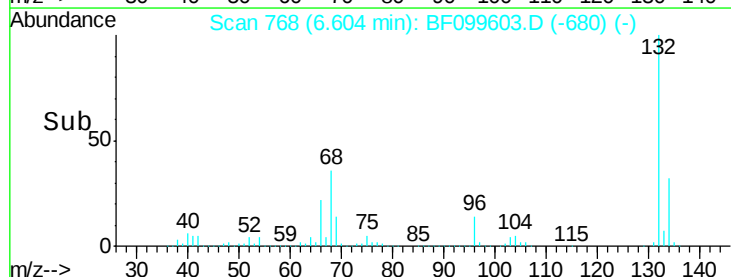
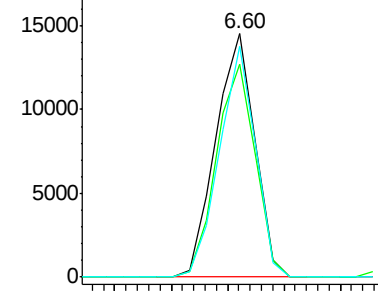
77 100

105 87.2 81.1 121.1

106 94.9 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

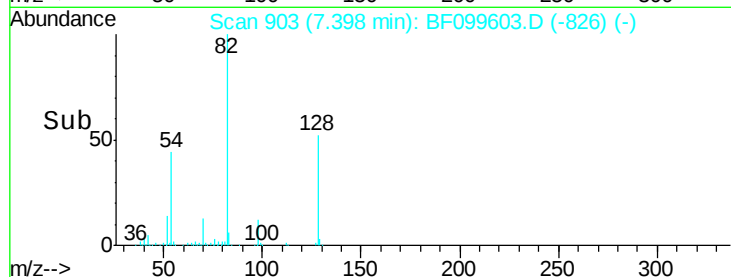
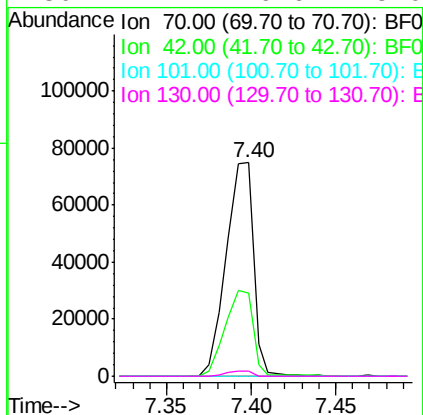
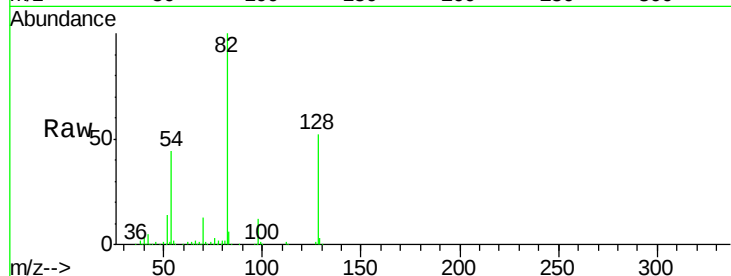




#19
n-Nitroso-di-n-propylamine
Concen: 15.25 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.15 min
Lab File: BF099603.D
Acq: 18 Oct 2017 1:26

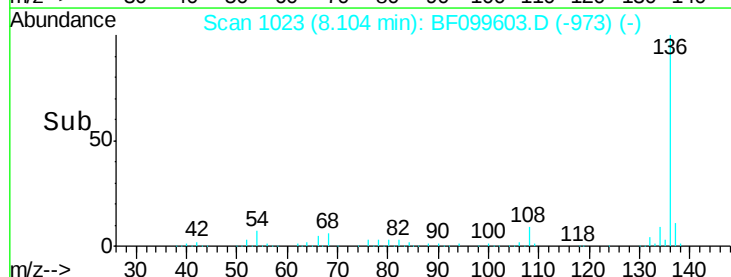
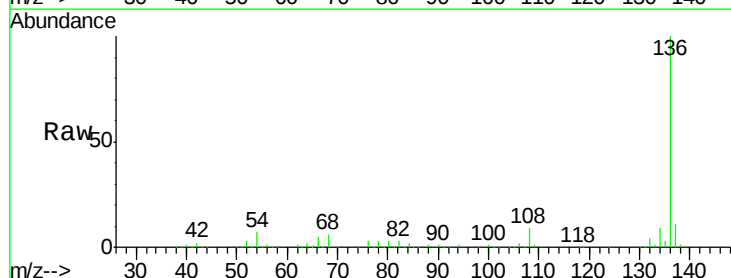
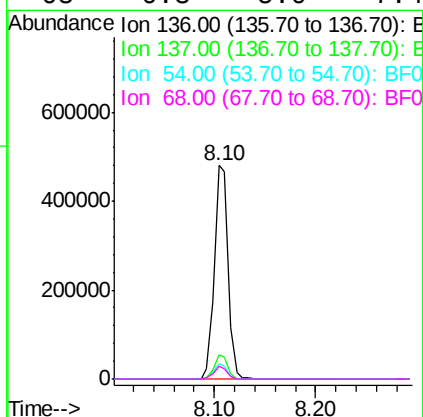
Instrument :
BNA_F
ClientSampleId :

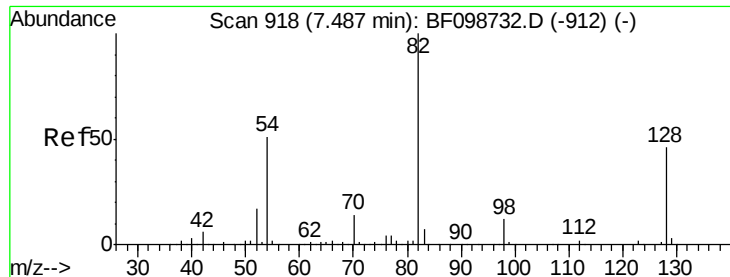
Tot Ion: 70 Resp: 84016
Ion Ratio Lower Upper
70 100
42 38.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF099603.D
Acq: 18 Oct 2017 1:26

Tgt Ion: 136 Resp: 454381
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.4 6.6 9.8
68 6.3 5.0 7.4

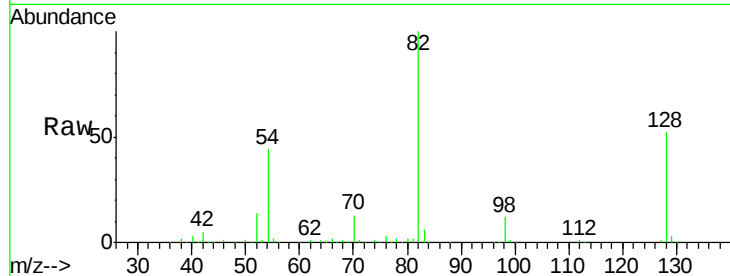




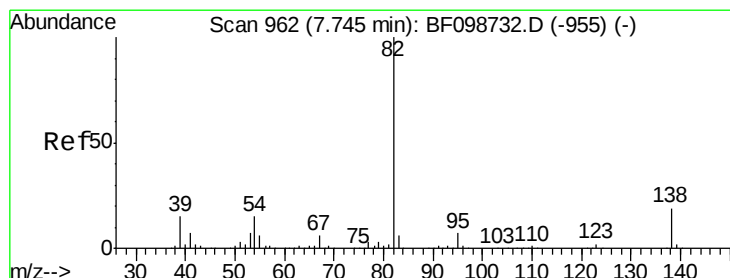
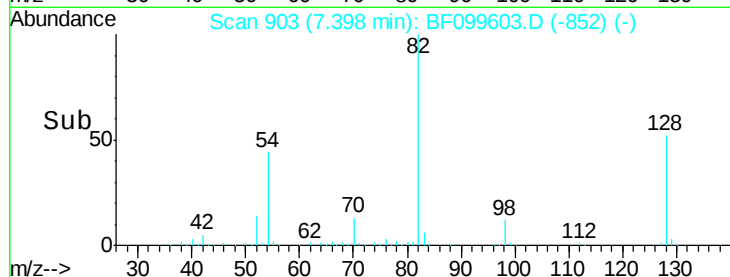
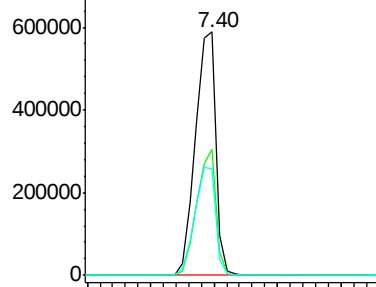
#23
 Nitrobenzene-d5
 Concen: 92.96 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: BF099603.D
 Acq: 18 Oct 2017 1:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	658683
Ion Ratio	100	Lower	Upper
128	51.7	36.1	54.1
54	43.7	41.4	62.2

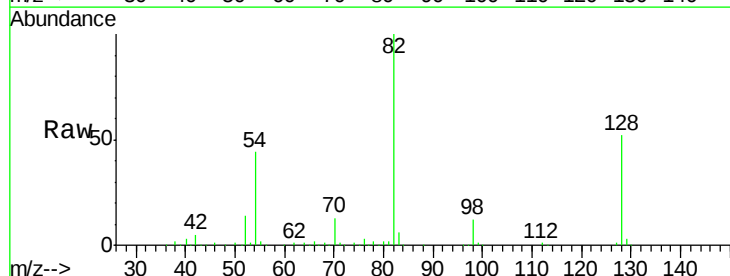


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

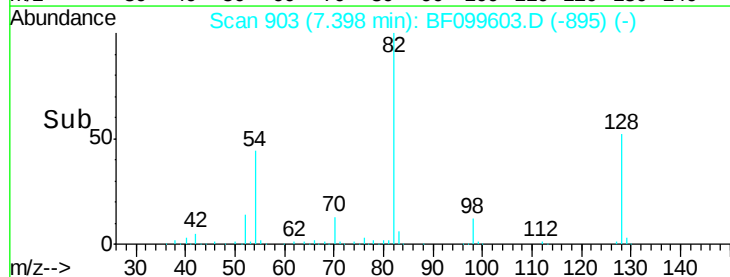
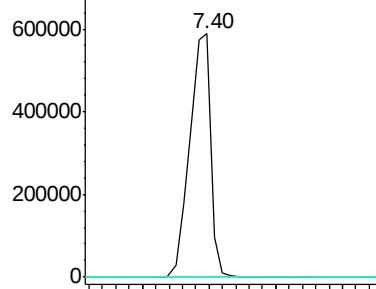


#25
 Isophorone
 Concen: 44.96 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.25 min
 Lab File: BF099603.D
 Acq: 18 Oct 2017 1:26

Tgt Ion	82	Resp	658673
Ion Ratio	100	Lower	Upper
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

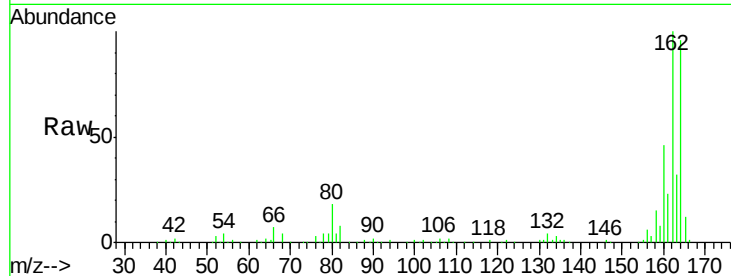




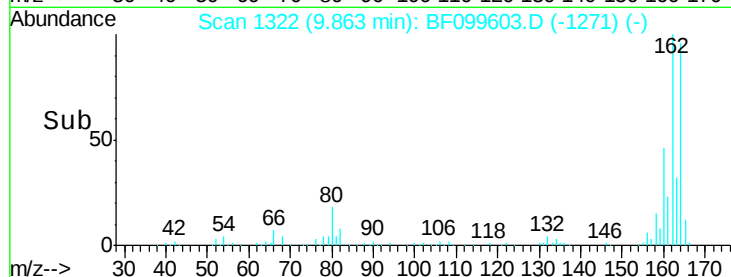
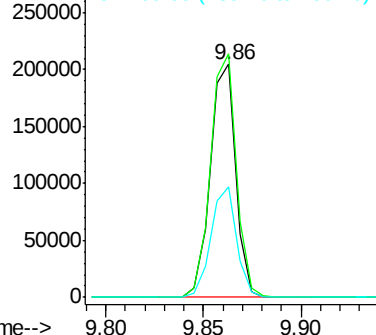
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF099603.D
Acq: 18 Oct 2017 1:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 185012
Ion Ratio Lower Upper
164 100
162 104.4 86.1 129.1
160 47.6 38.3 57.5

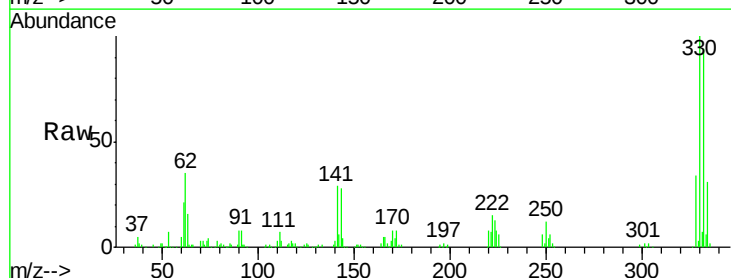


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

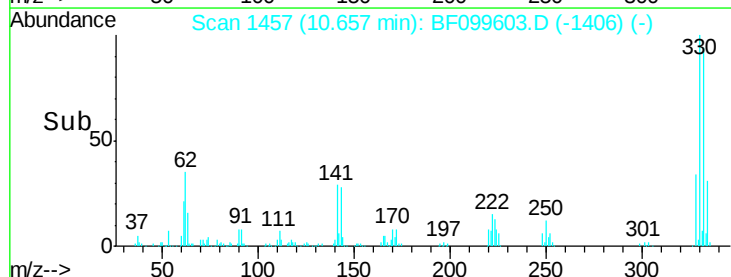
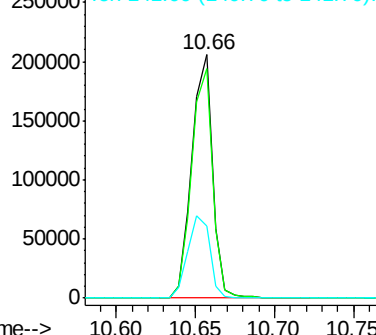


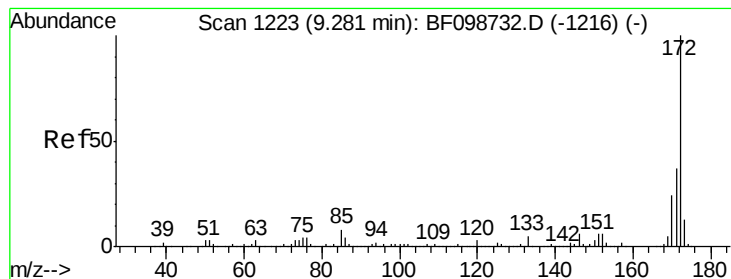
#41
2,4,6-Tribromophenol
Concen: 124.03 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BF099603.D
Acq: 18 Oct 2017 1:26

Tgt Ion:330 Resp: 187763
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 36.3 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: 106.21 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF099603.D

Acq: 18 Oct 2017 1:26

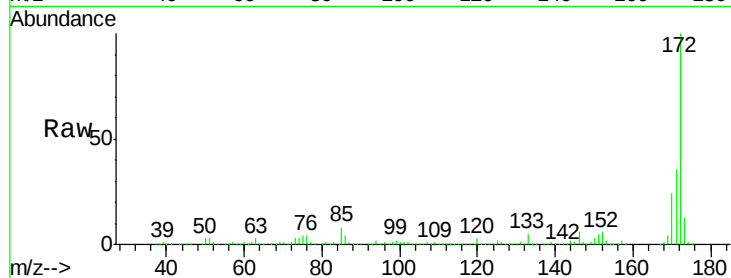
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1177063

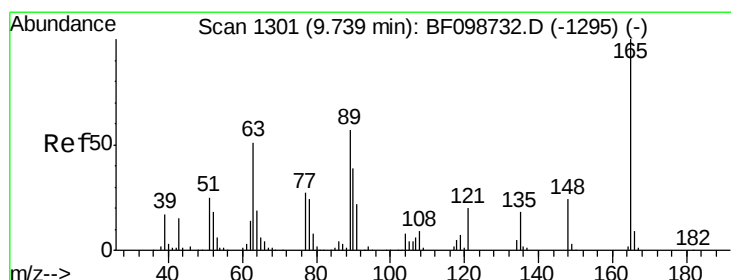
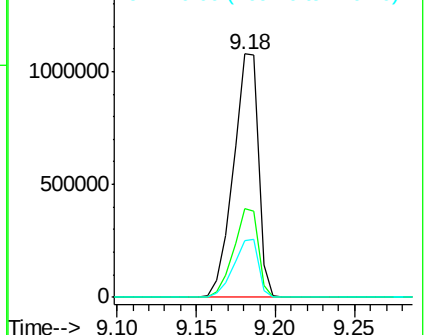
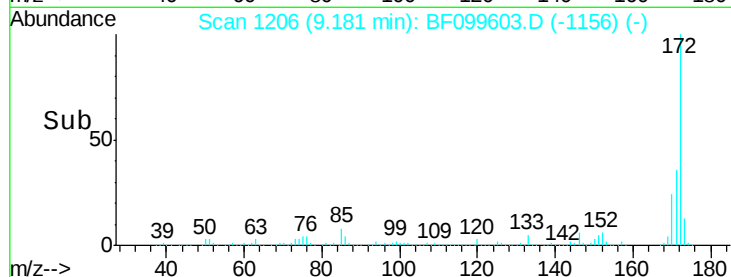
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.5	19.6	29.4



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: 7.62 ng

RT: 9.86 min Scan# 1322

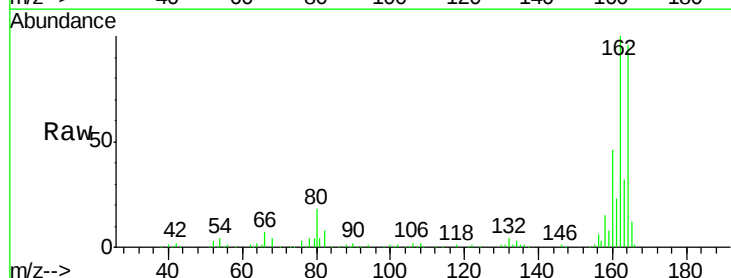
Delta R.T. 0.21 min

Lab File: BF099603.D

Acq: 18 Oct 2017 1:26

Tgt Ion:165 Resp: 23152

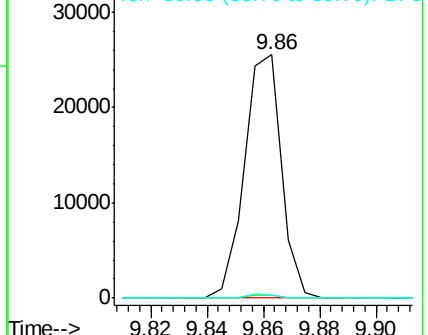
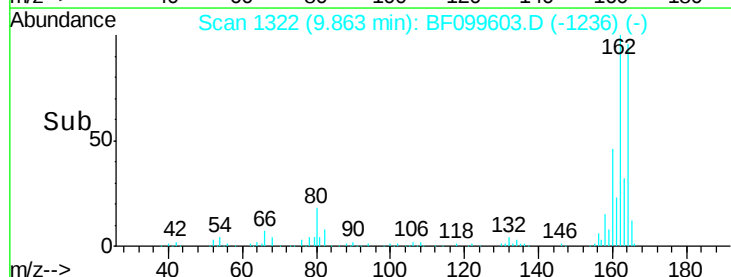
Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#



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

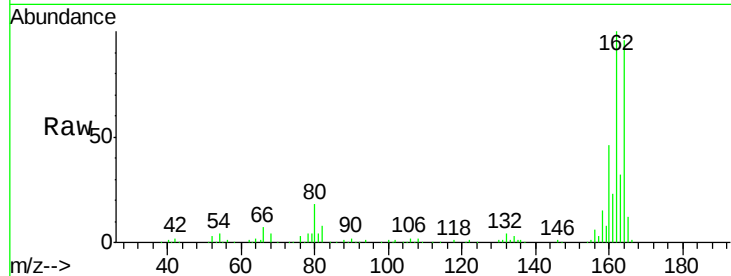




#56
 2,4-Dinitrotoluene
 Concen: 5.87 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.20 min
 Lab File: BF099603.D
 Acq: 18 Oct 2017 1:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	23152
Ion Ratio	Lower	Upper
165	100	
63	1.3	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#

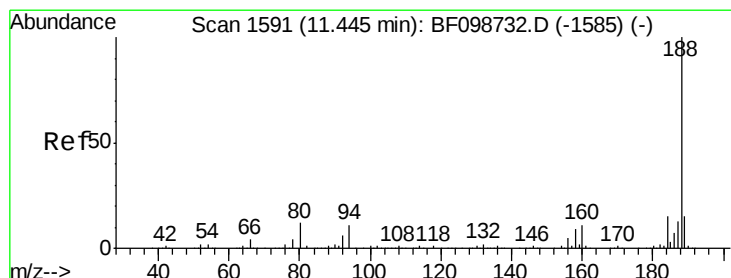
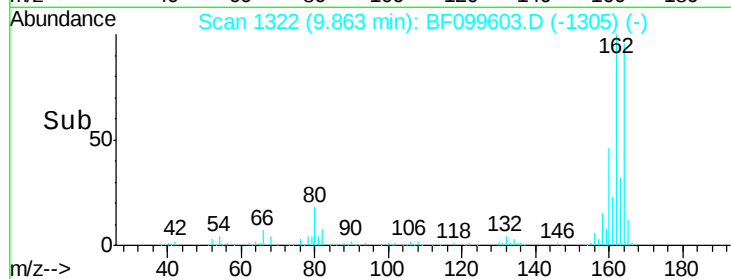
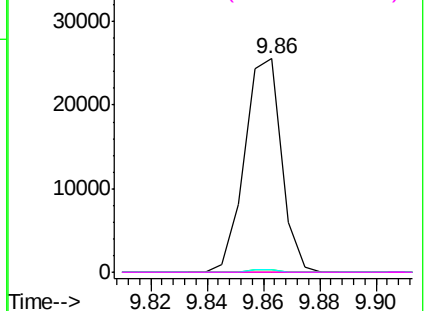


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

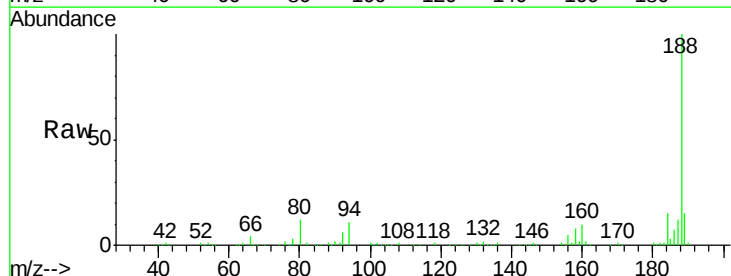
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF099603.D
 Acq: 18 Oct 2017 1:26

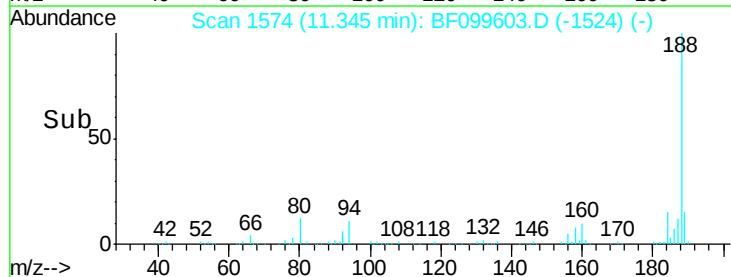
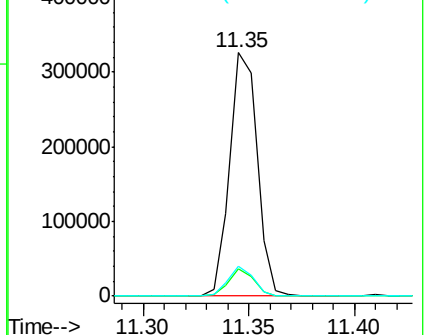
Tgt Ion:188	Resp:	292633
Ion Ratio	Lower	Upper
188	100	
94	11.5	8.5 12.7
80	12.4	9.2 13.8



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

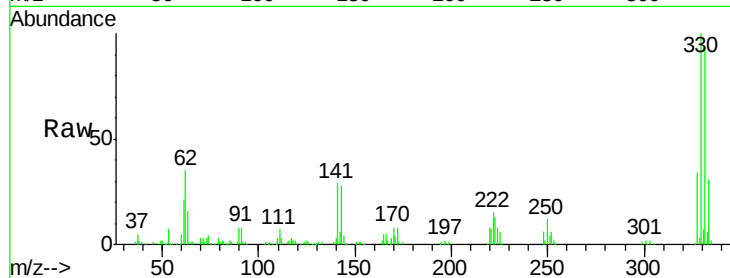




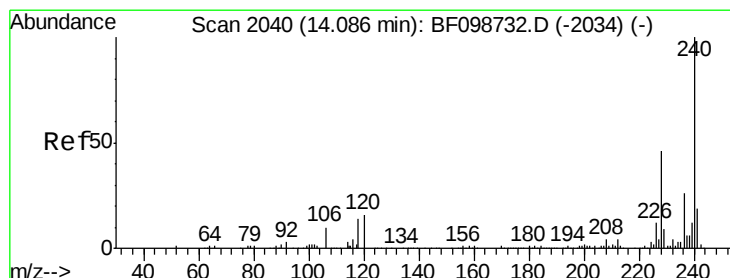
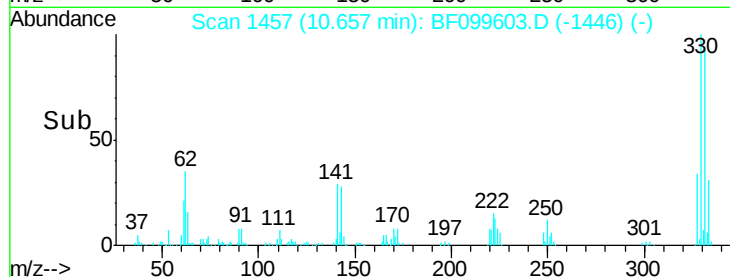
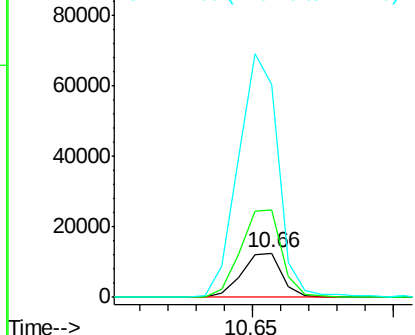
#66
4-Bromophenyl-phenylether
Concen: 4.31 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.24 min
Lab File: BF099603.D
Acq: 18 Oct 2017 1:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	194.9	76.9	115.3#
141	477.8	74.4	111.6#

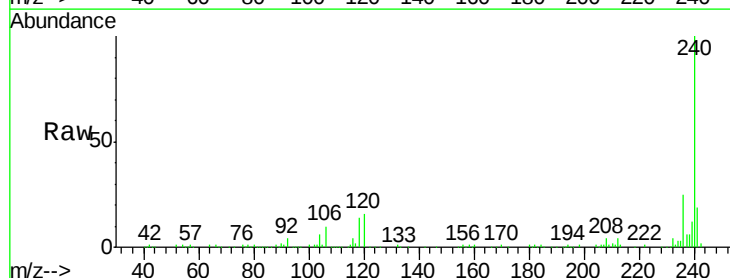


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

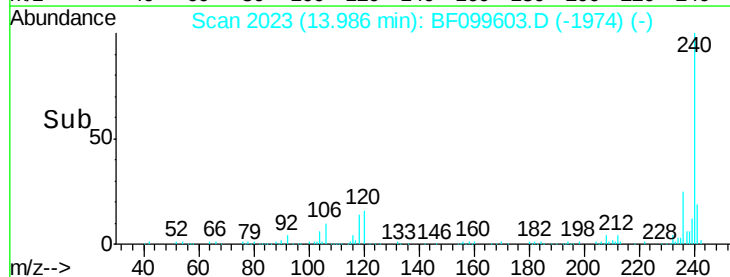
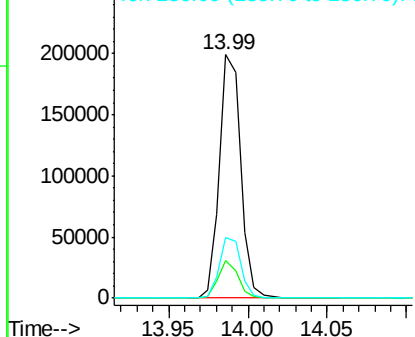


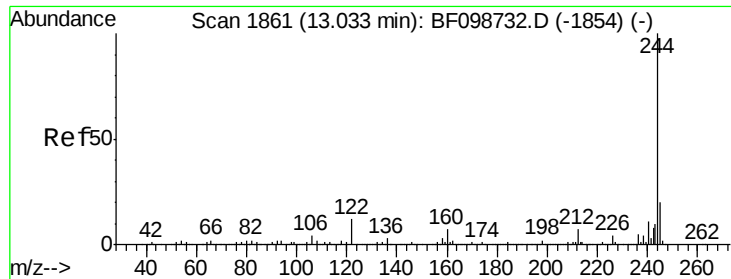
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF099603.D
Acq: 18 Oct 2017 1:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	25.1	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

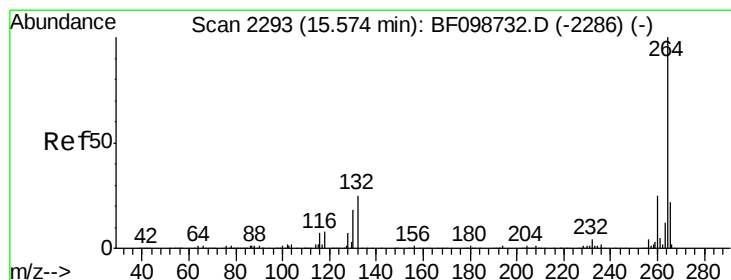
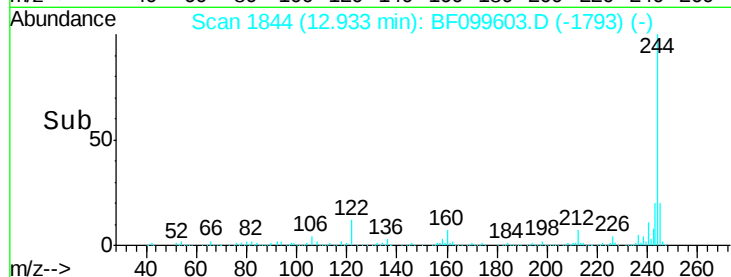
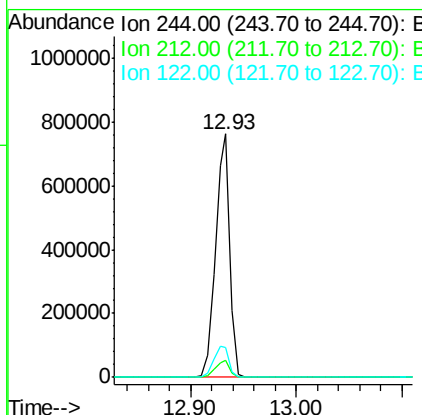
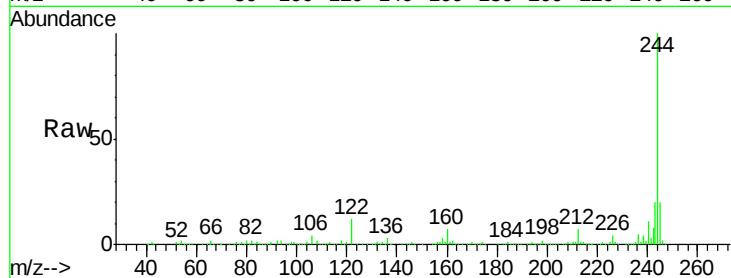




#78
 Terphenyl-d14
 Concen: 88.70 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF099603.D
 Acq: 18 Oct 2017 1:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 723223
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.5 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: BF099603.D
 Acq: 18 Oct 2017 1:26

Tgt Ion:264 Resp: 125105
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.2 28.8
 265 20.6 17.5 26.3

