

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
 Data File : BF099084.D
 Acq On : 4 Oct 2017 23:20
 Operator : SJ/JU
 Sample : I5644-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 05 01:12:05 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

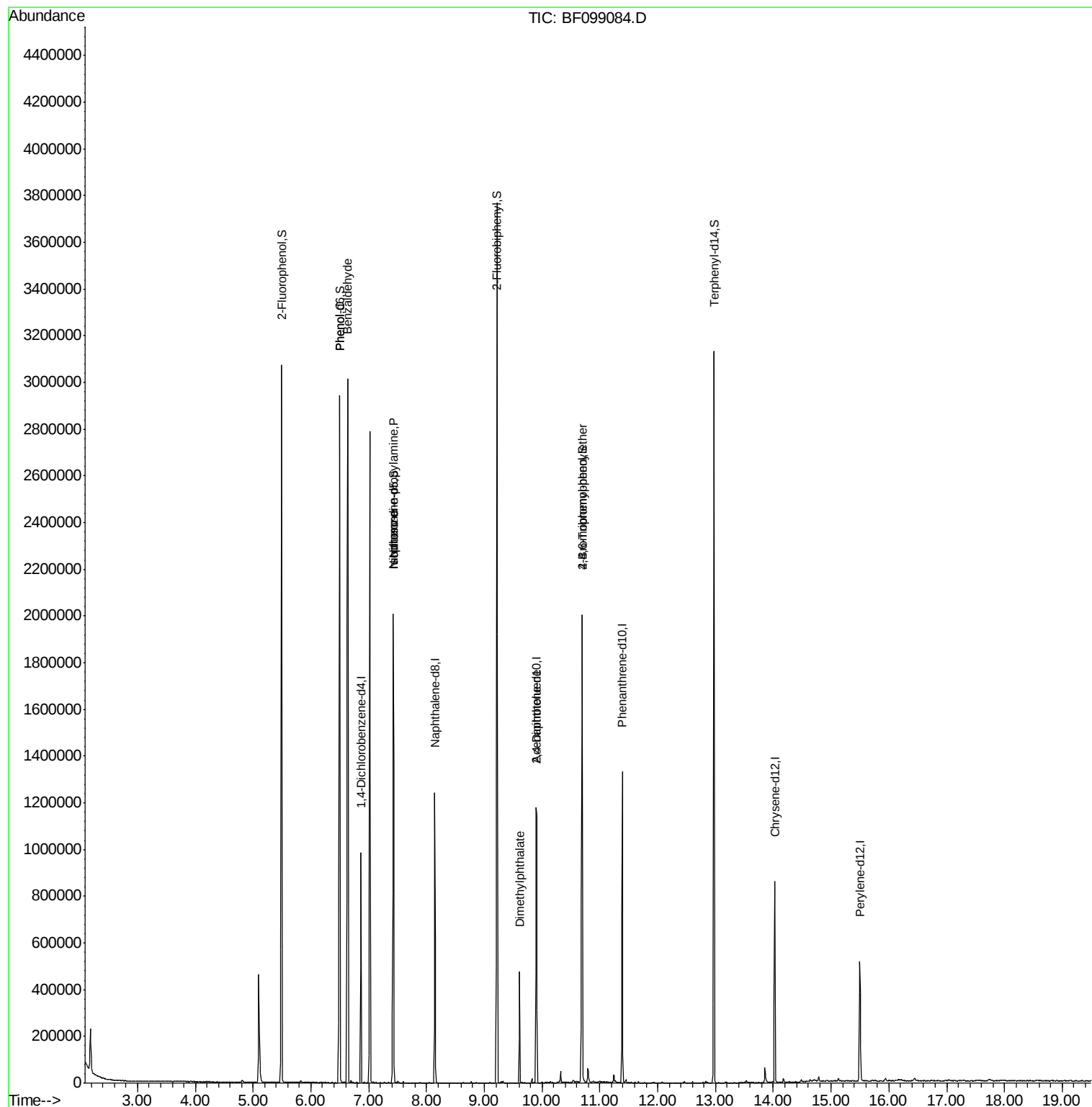
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	131572	20.00	ng	-0.06
21) Naphthalene-d8	8.15	136	541078	20.00	ng	-0.06
38) Acenaphthene-d10	9.90	164	248824	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	438243	20.00	ng	-0.06
75) Chrysene-d12	14.03	240	291147	20.00	ng	-0.06
86) Perylene-d12	15.50	264	205936	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1010481	122.26	ng	-0.05
7) Phenol-d6	6.50	99	1209371	118.61	ng	-0.05
23) Nitrobenzene-d5	7.43	82	745369	88.34	ng	-0.06
41) 2,4,6-Tribromophenol	10.69	330	249148	122.37	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	1274594	85.52	ng	-0.06
78) Terphenyl-d14	12.97	244	1074021	83.89	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.63	77	20444	3.46	ng	Qvalue 85
10) Phenol	6.50	94	25844	2.27	ng	# 55
19) n-Nitroso-di-n-propylamine	7.43	70	95761	14.71	ng	# 75
25) Isophorone	7.43	82	740061	42.43	ng	# 64
49) Dimethylphthalate	9.61	163	184831	9.84	ng	100
56) 2,4-Dinitrotoluene	9.90	165	31559	5.95	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	16097	3.75	ng	# 1

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

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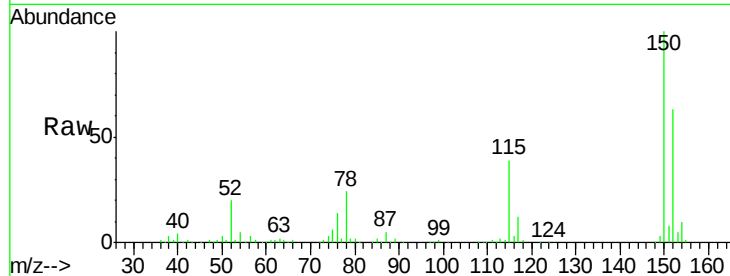


#1

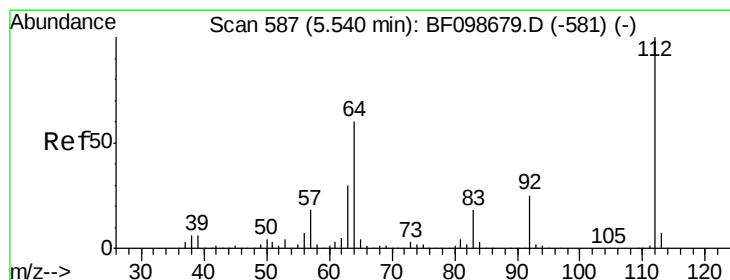
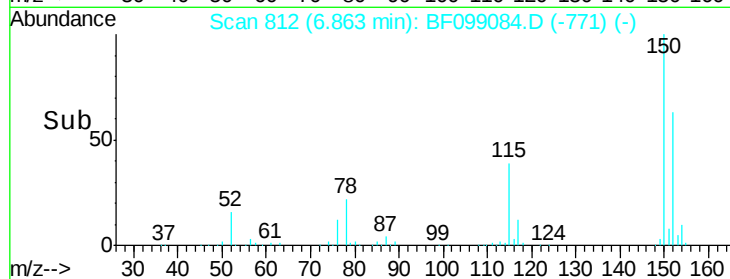
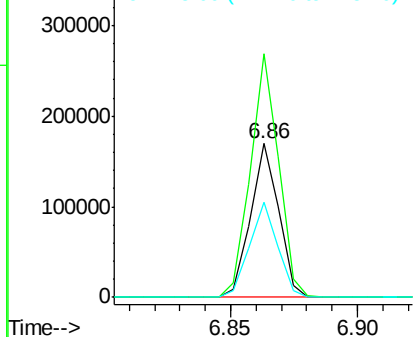
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF099084.D
Acq: 4 Oct 2017 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131572
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 62.1 50.1 75.1



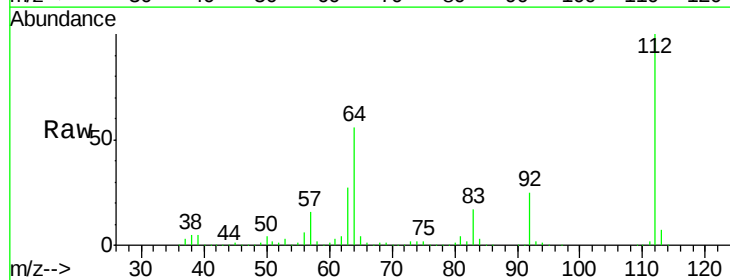
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



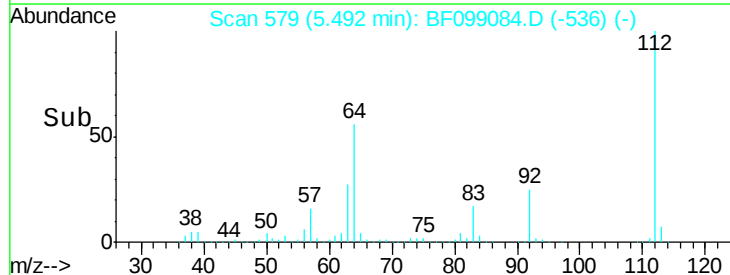
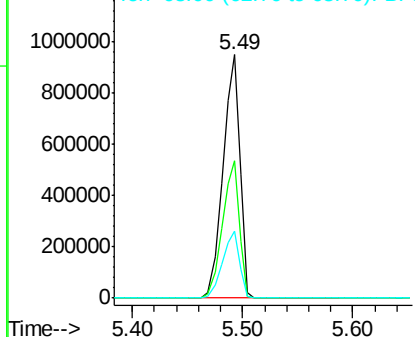
#5

2-Fluorophenol
Concen: 122.26 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.05 min
Lab File: BF099084.D
Acq: 4 Oct 2017 23:20

Tgt Ion:112 Resp: 1010481
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 27.5 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: 118.61 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF099084.D

Acq: 4 Oct 2017 23:20

Instrument :

BNA_F

ClientSampled :

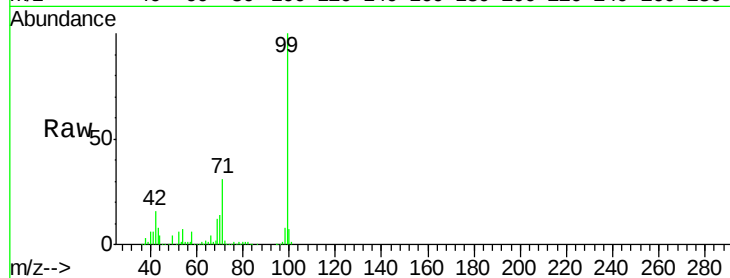
Tot Ion: 99 Resp: 1209371

Ion Ratio Lower Upper

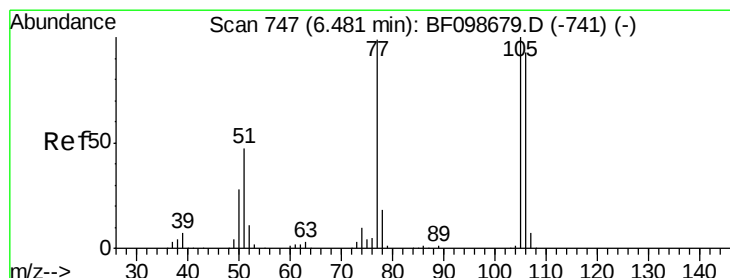
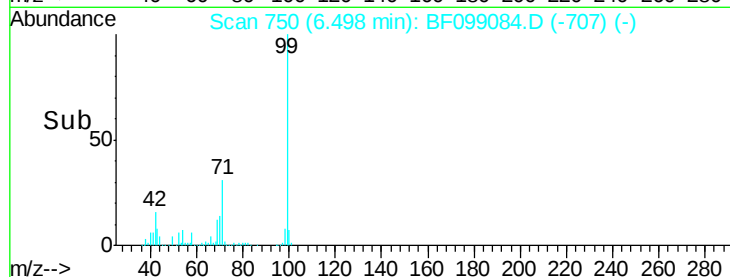
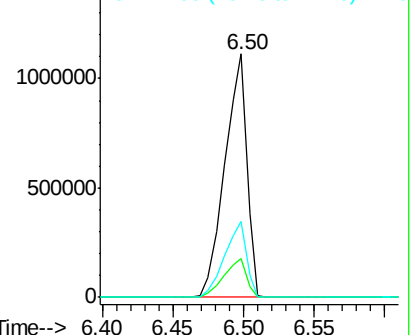
99 100

42 15.9 14.5 21.7

71 31.2 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: 3.46 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.16 min

Lab File: BF099084.D

Acq: 4 Oct 2017 23:20

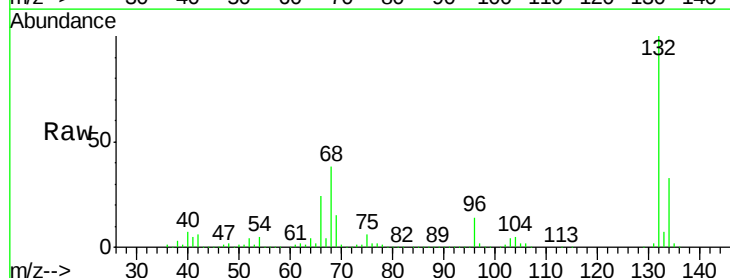
Tgt Ion: 77 Resp: 20444

Ion Ratio Lower Upper

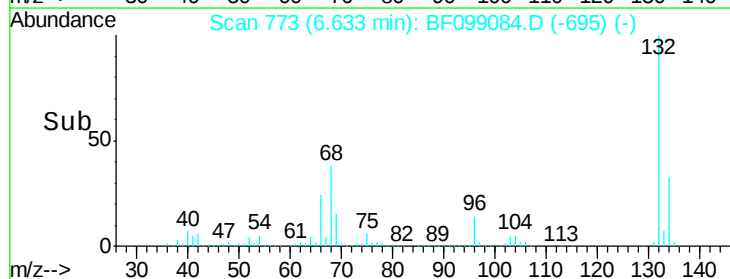
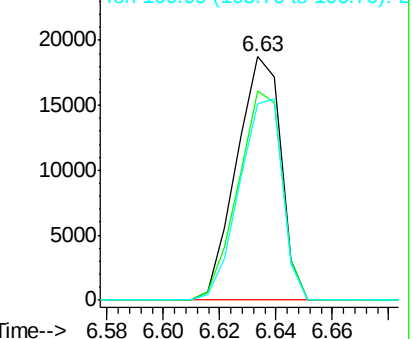
77 100

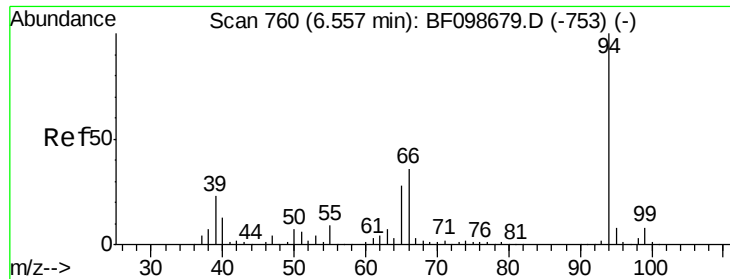
105 86.0 81.1 121.1

106 80.8 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

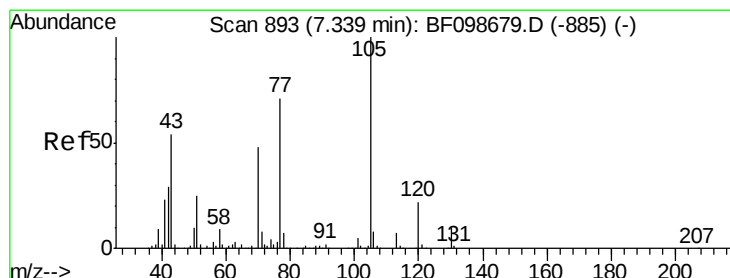
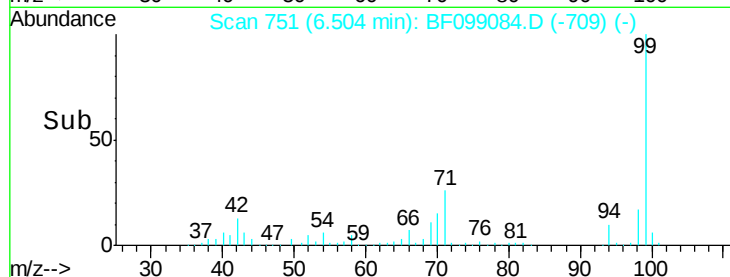
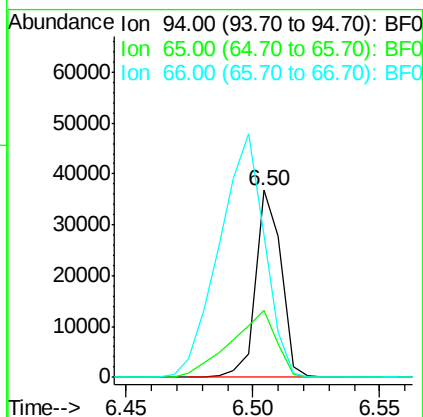
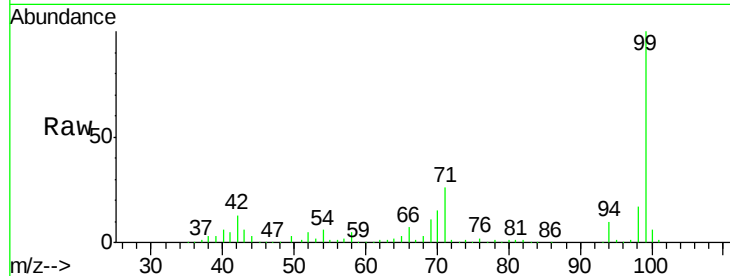




#10
Phenol
Concen: 2.27 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.05 min
Lab File: BF099084.D
Acq: 4 Oct 2017 23:20

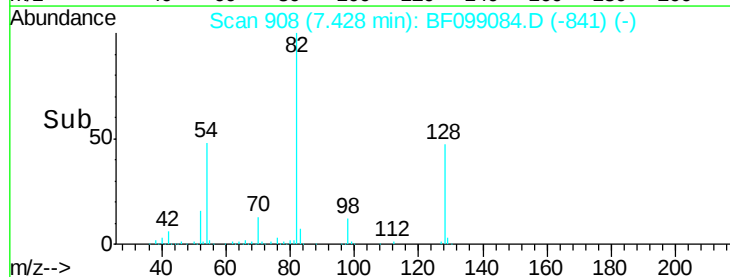
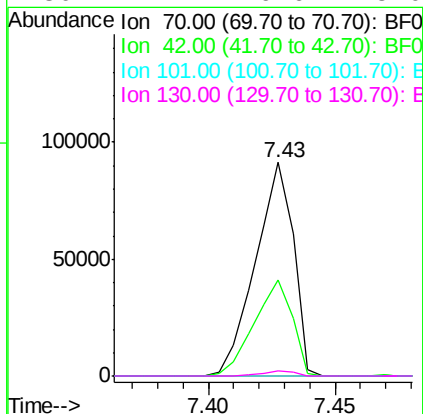
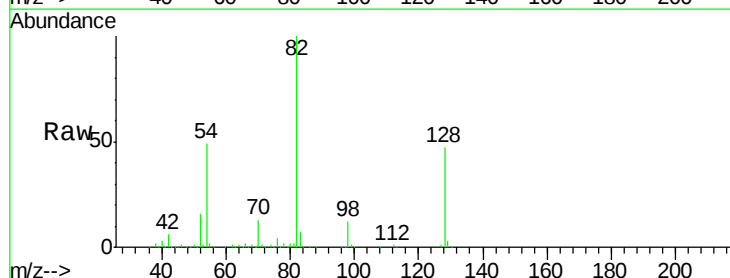
Instrument :
BNA_F
ClientSampleId :

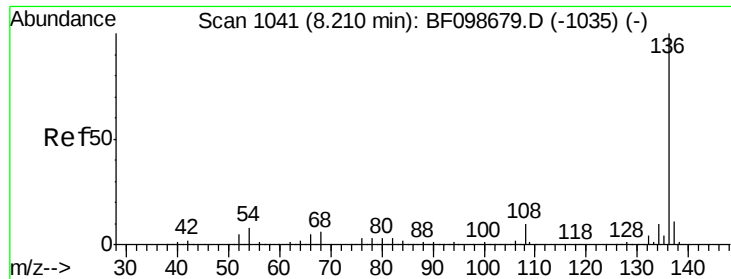
Tot Ion: 94 Resp: 25844
Ion Ratio Lower Upper
94 100
65 36.1 7.9 47.9
66 76.4 16.2 56.2#



#19
n-Nitroso-di-n-propylamine
Concen: 14.71 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.09 min
Lab File: BF099084.D
Acq: 4 Oct 2017 23:20

Tgt Ion: 70 Resp: 95761
Ion Ratio Lower Upper
70 100
42 44.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#

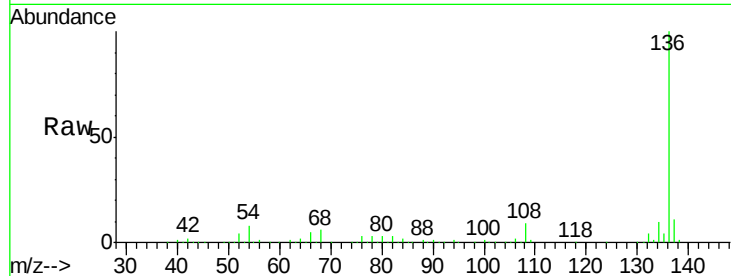




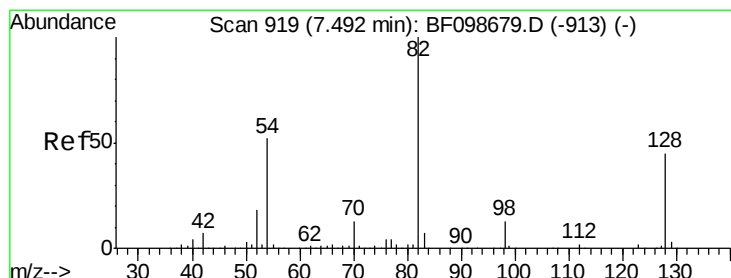
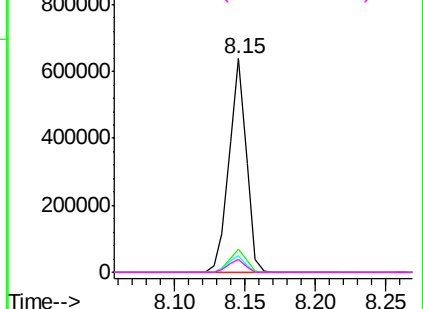
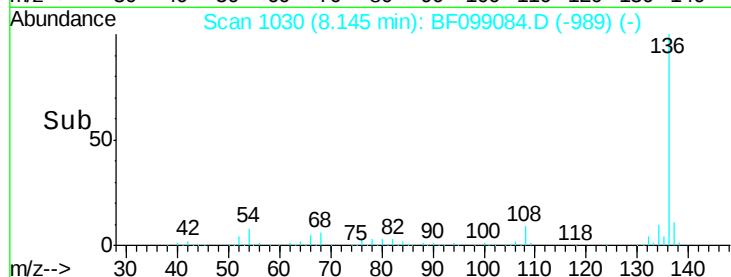
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF099084.D
Acq: 4 Oct 2017 23:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	541078
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.5	6.6	9.8
68	6.0	5.0	7.4

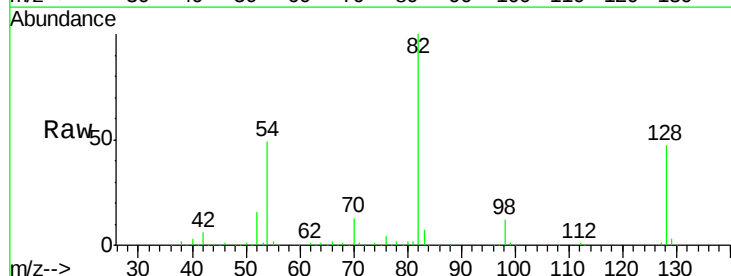


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

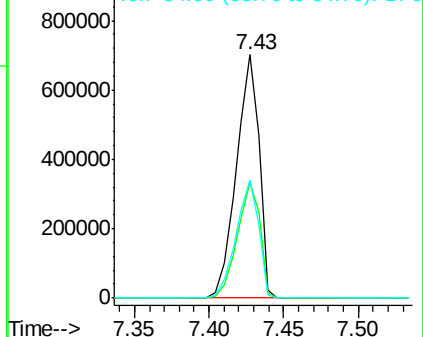
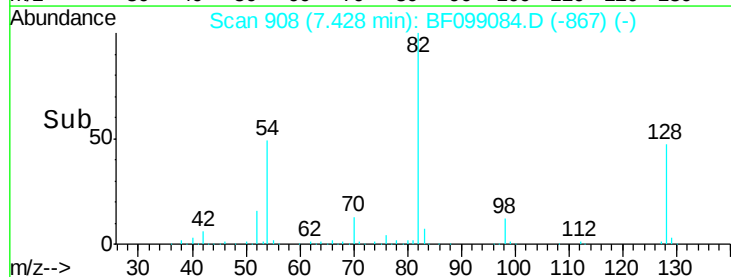


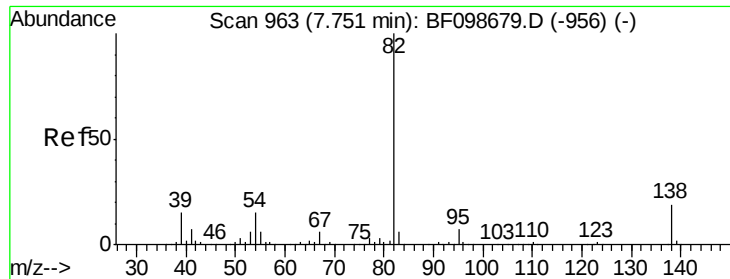
#23
Nitrobenzene-d5
Concen: 88.34 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.06 min
Lab File: BF099084.D
Acq: 4 Oct 2017 23:20

Tgt Ion:	82	Resp:	745369
Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	48.6	41.4	62.2



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: 42.43 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.32 min

Lab File: BF099084.D

Acq: 4 Oct 2017 23:20

Instrument :

BNA_F

ClientSampled :

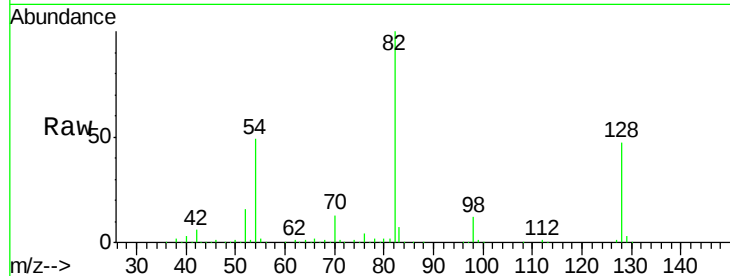
Tot Ion: 82 Resp: 740061

Ion Ratio Lower Upper

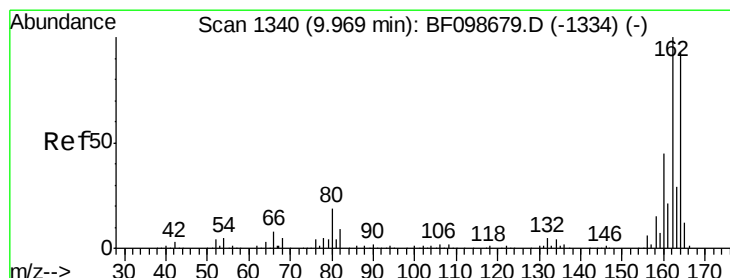
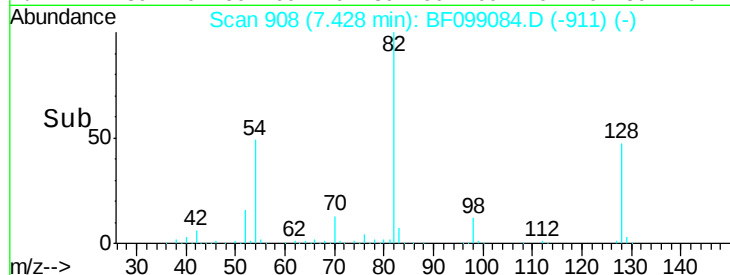
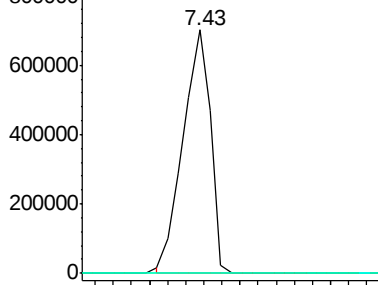
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.06 min

Lab File: BF099084.D

Acq: 4 Oct 2017 23:20

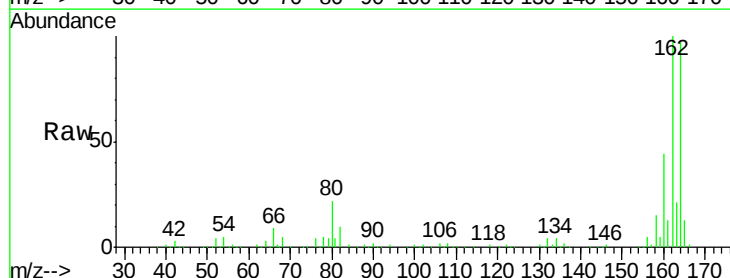
Tgt Ion:164 Resp: 248824

Ion Ratio Lower Upper

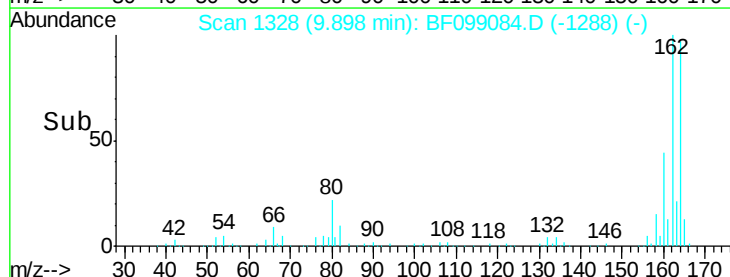
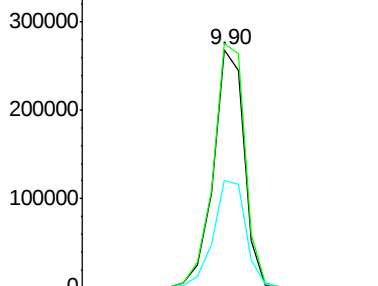
164 100

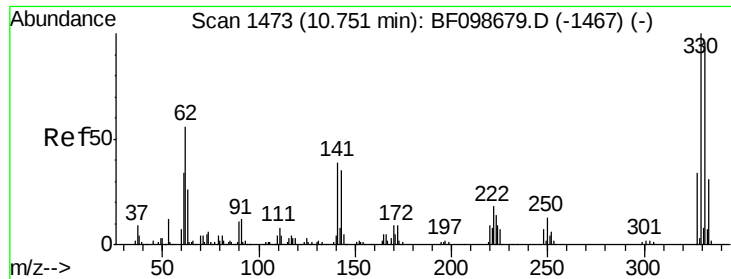
162 102.6 86.1 129.1

160 44.8 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

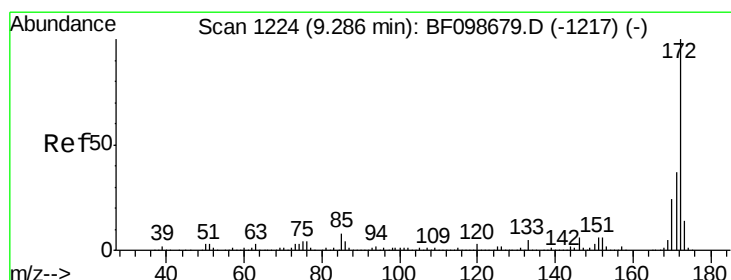
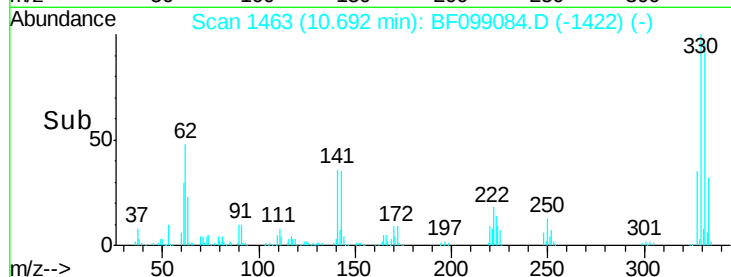
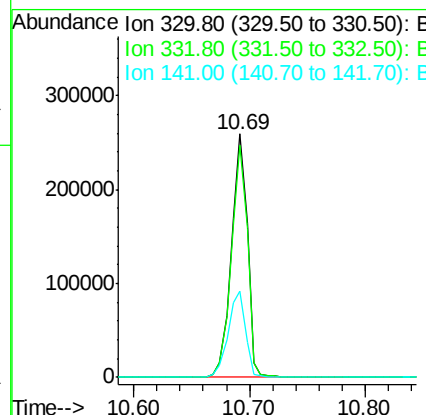
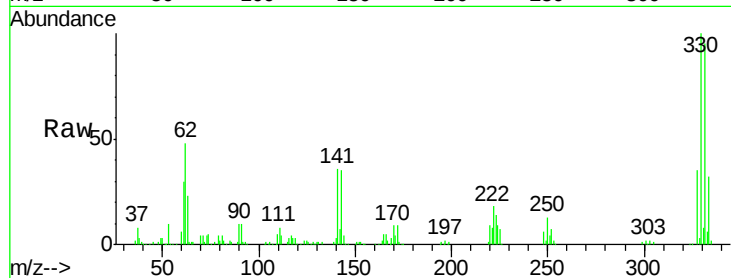




#41
 2,4,6-Tribromophenol
 Concen: 122.37 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.06 min
 Lab File: BF099084.D
 Acq: 4 Oct 2017 23:20

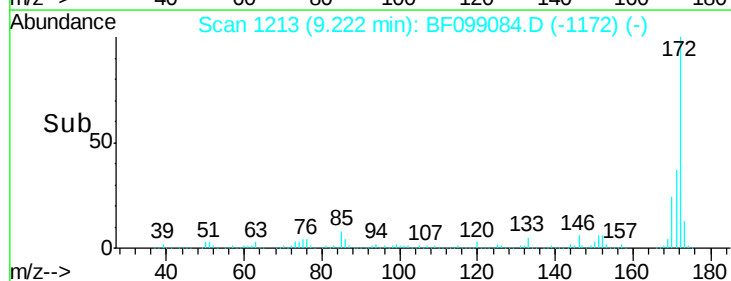
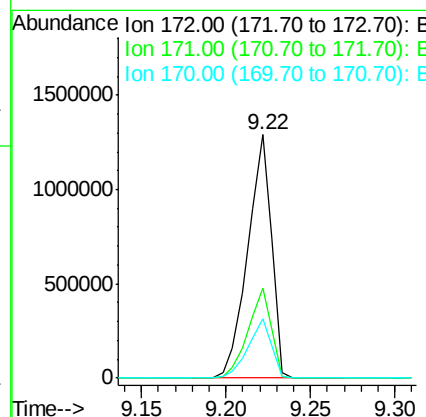
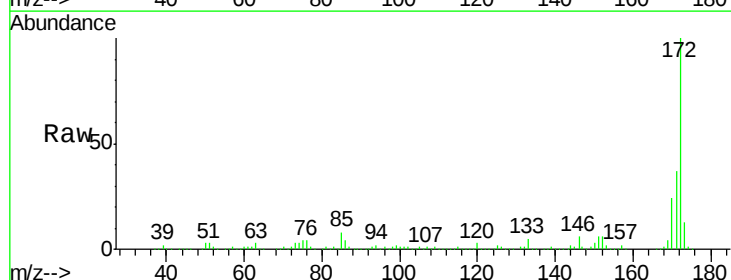
Instrument :
 BNA_F
 ClientSampleId :

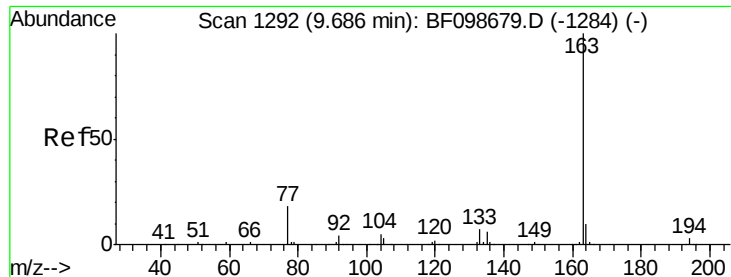
Tot Ion:330 Resp: 249148
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 38.8 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 85.52 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.06 min
 Lab File: BF099084.D
 Acq: 4 Oct 2017 23:20

Tgt Ion:172 Resp: 1274594
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.2 19.6 29.4

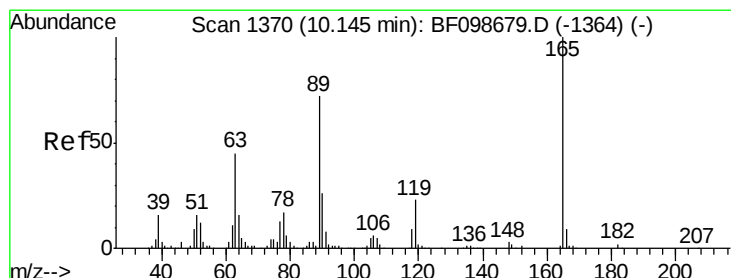
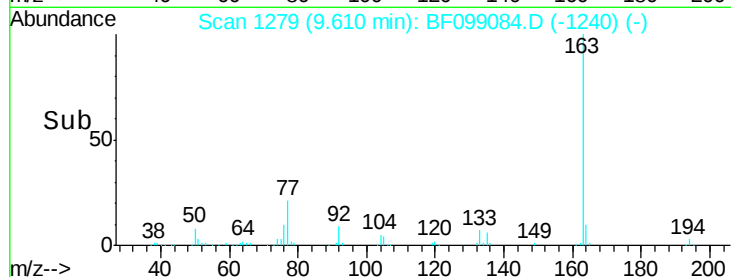
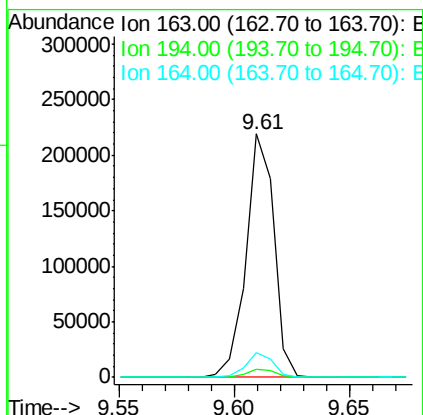
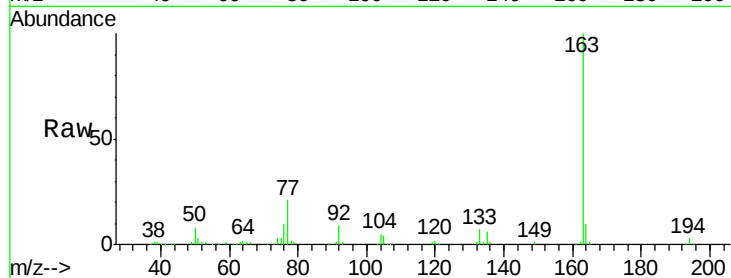




#49
Dimethylphthalate
Concen: 9.84 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.07 min
Lab File: BF099084.D
Acq: 4 Oct 2017 23:20

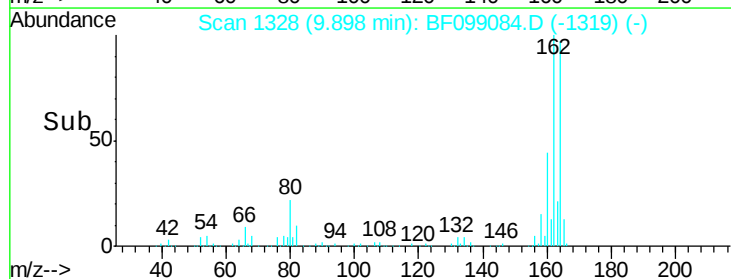
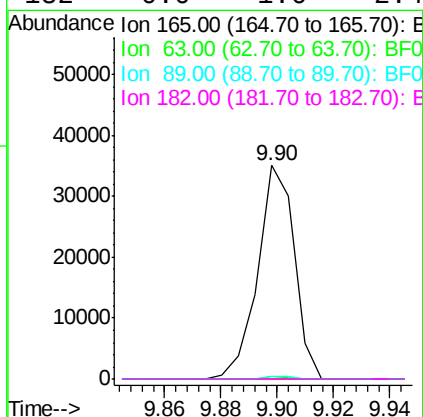
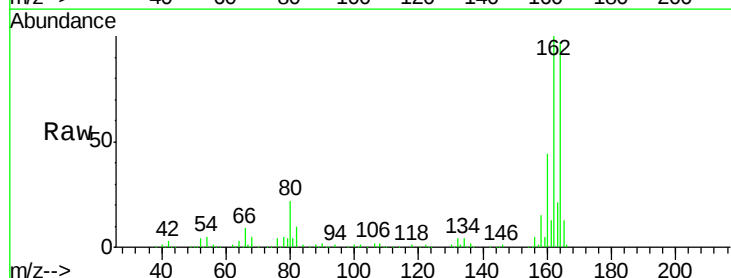
Instrument :
BNA_F
ClientSampled :

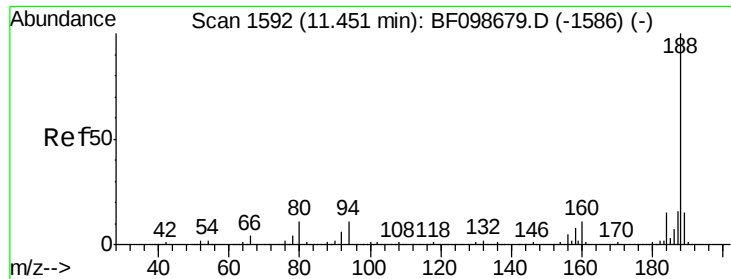
Tot Ion:163 Resp: 184831
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.1 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.95 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.25 min
Lab File: BF099084.D
Acq: 4 Oct 2017 23:20

Tgt Ion:165 Resp: 31559
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#

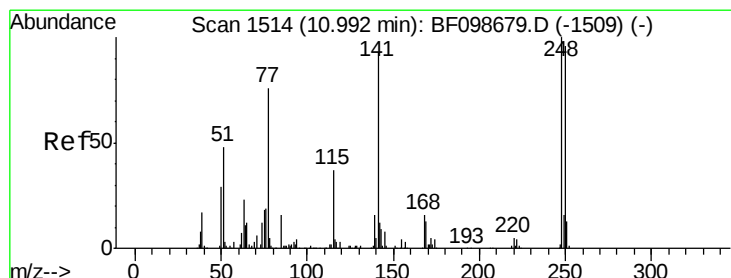
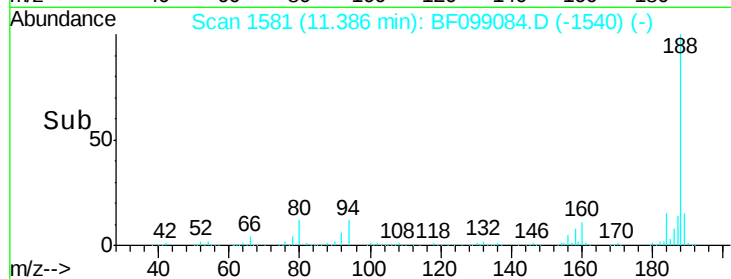
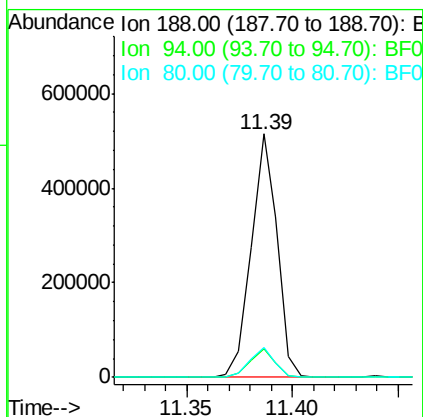
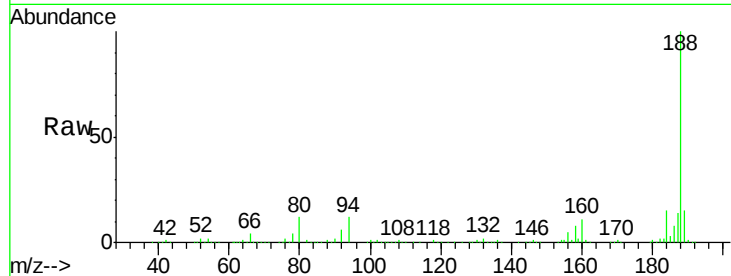




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.06 min
 Lab File: BF099084.D
 Acq: 4 Oct 2017 23:20

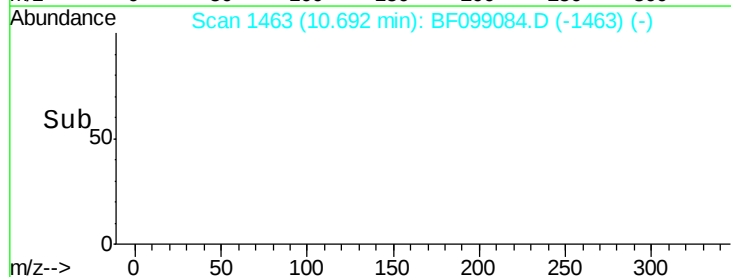
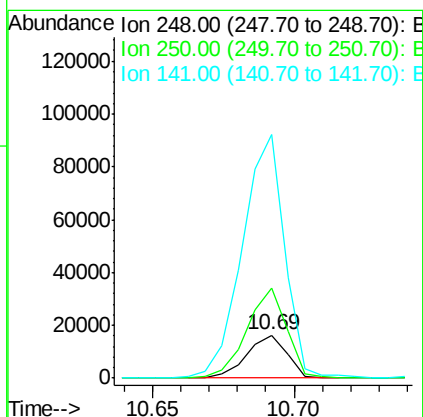
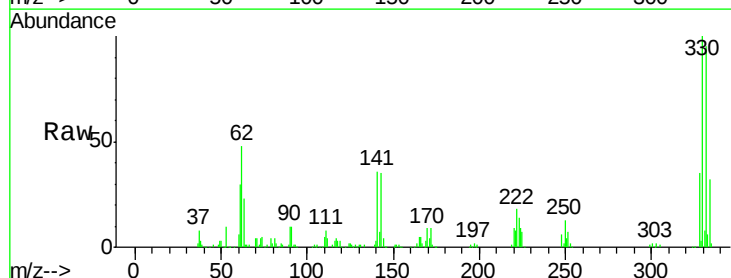
Instrument :
 BNA_F
 ClientSampleId :

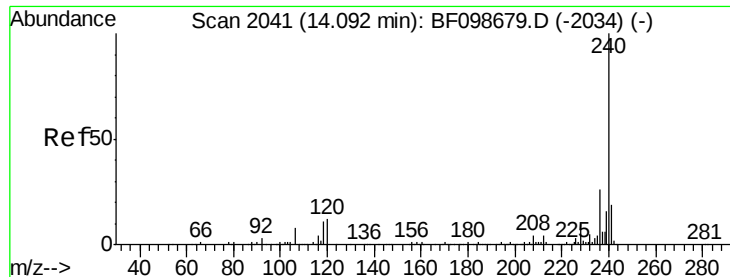
Tot Ion:188 Resp: 438243
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 12.2 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.75 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.30 min
 Lab File: BF099084.D
 Acq: 4 Oct 2017 23:20

Tgt Ion:248 Resp: 16097
 Ion Ratio Lower Upper
 248 100
 250 208.2 76.9 115.3#
 141 563.3 74.4 111.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.06 min

Lab File: BF099084.D

Acq: 4 Oct 2017 23:20

Instrument :

BNA_F

ClientSampleId :

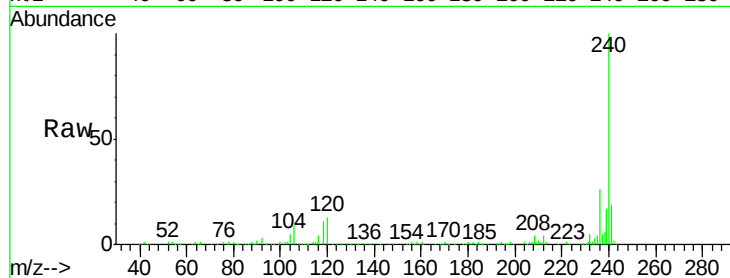
Tot Ion:240 Resp: 291147

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

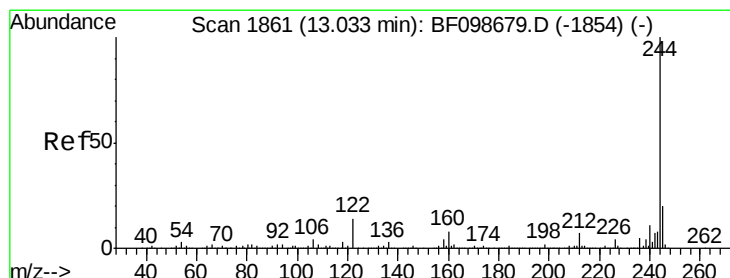
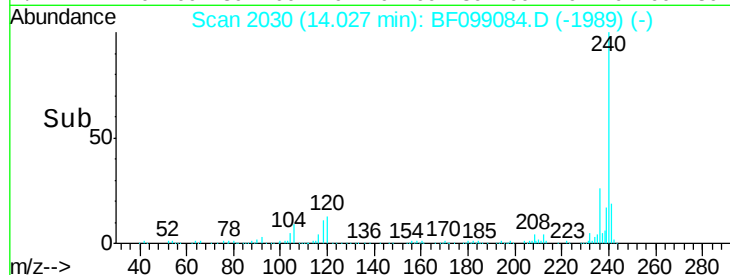
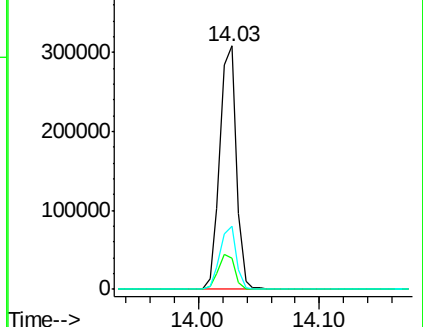
236 25.9 20.7 31.1



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: 83.89 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.06 min

Lab File: BF099084.D

Acq: 4 Oct 2017 23:20

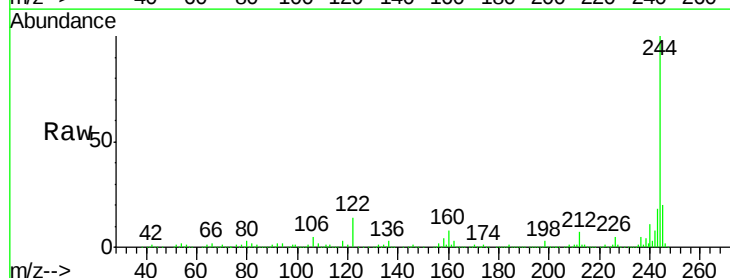
Tgt Ion:244 Resp: 1074021

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

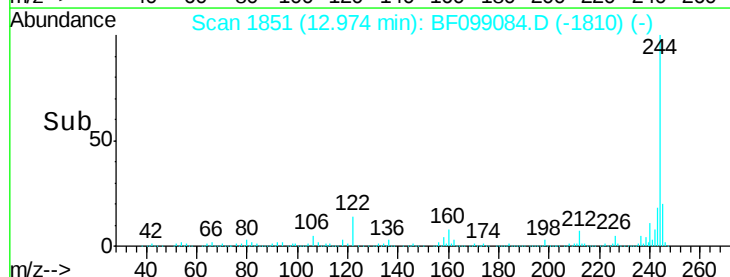
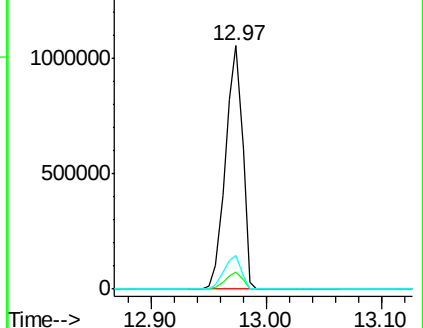
122 14.1 11.0 16.4

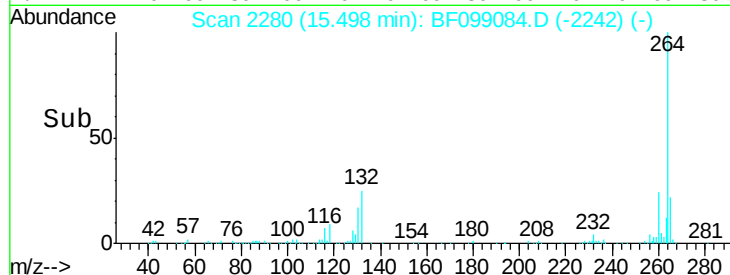
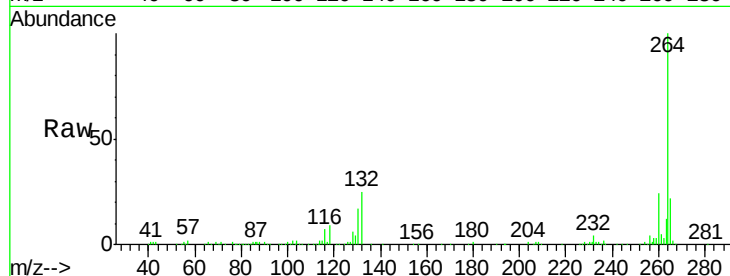
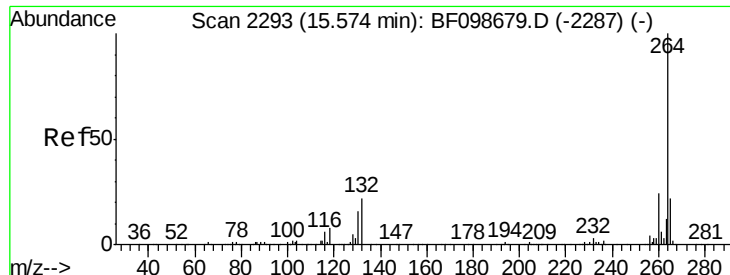


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.08 min
 Lab File: BF099084.D
 Acq: 4 Oct 2017 23:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	205936
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	17.5	26.3

