

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098987.D
 Acq On : 1 Oct 2017 12:57
 Operator : SJ/JU
 Sample : I5457-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-1_092617

Quant Time: Oct 02 00:52:40 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

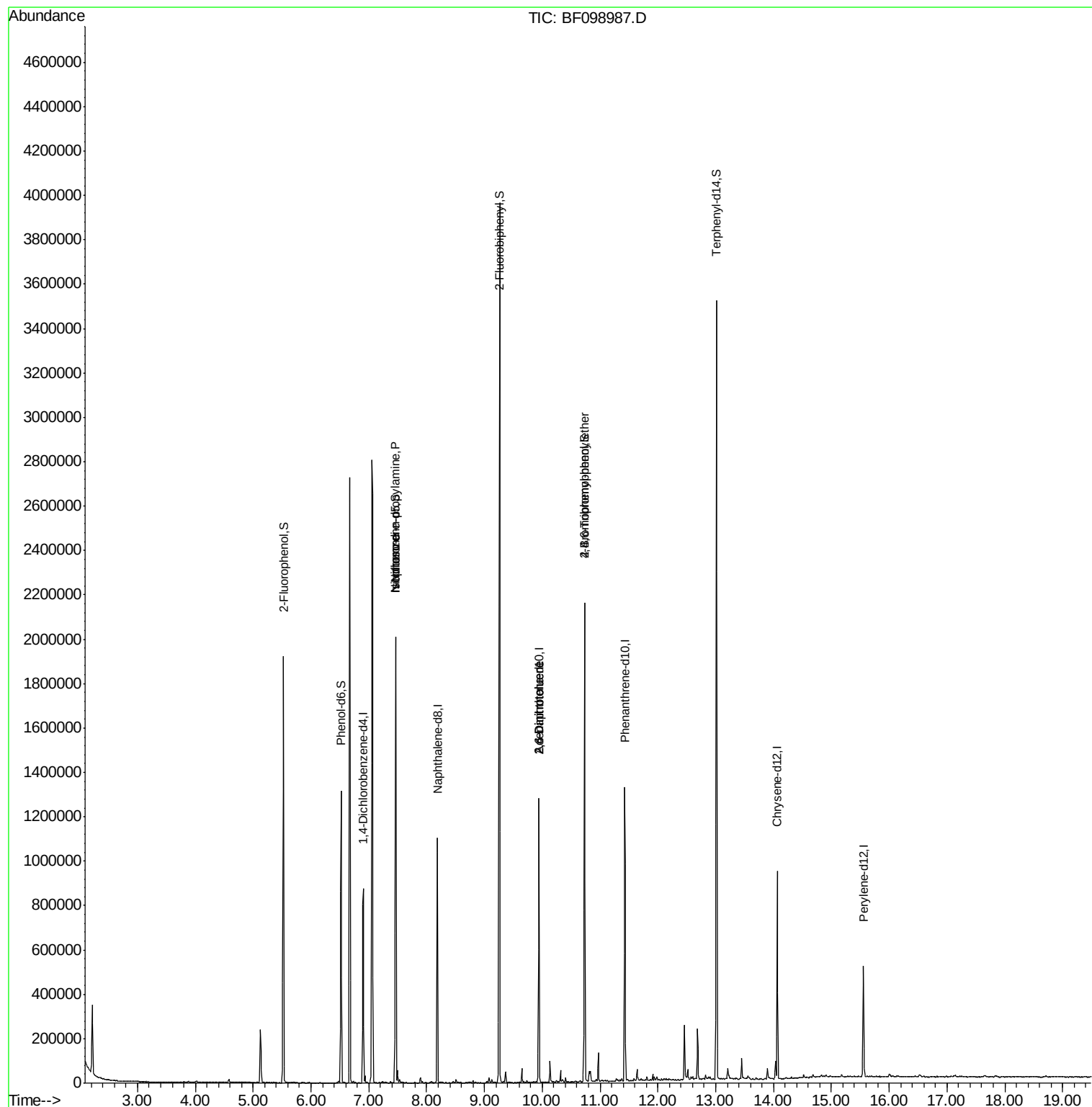
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	128353	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	531693	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	244084	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	423630	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	277833	20.00	ng	-0.02
86) Perylene-d12	15.56	264	210195	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	502341	62.30	ng	-0.02
7) Phenol-d6	6.52	99	383187	38.52	ng	-0.02
23) Nitrobenzene-d5	7.46	82	784724	94.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	246178	123.26	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1377857	94.24	ng	-0.02
78) Terphenyl-d14	13.02	244	1168973	95.69	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	101903	16.05	ng	# 76
25) Isophorone	7.46	82	779487	45.47	ng	# 64
50) 2,6-Dinitrotoluene	9.94	165	30804	7.68	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	30804	5.92	ng	# 23
66) 4-Bromophenyl-phenylether	10.73	248	16661	4.02	ng	# 1

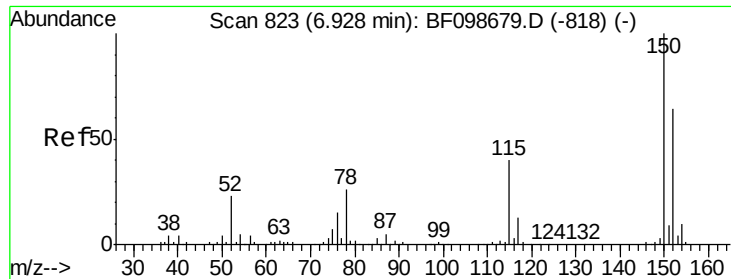
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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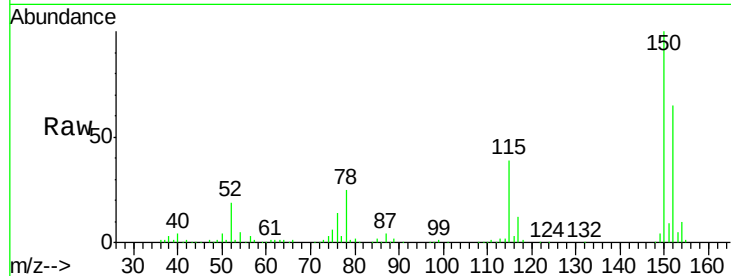


#1

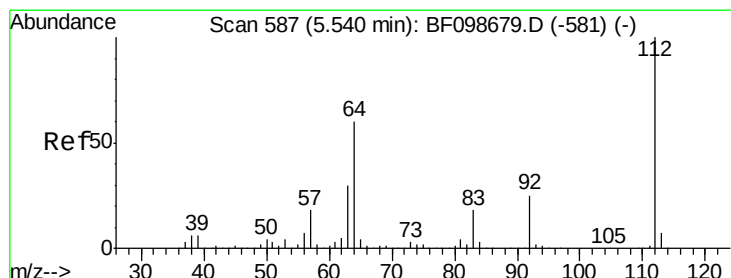
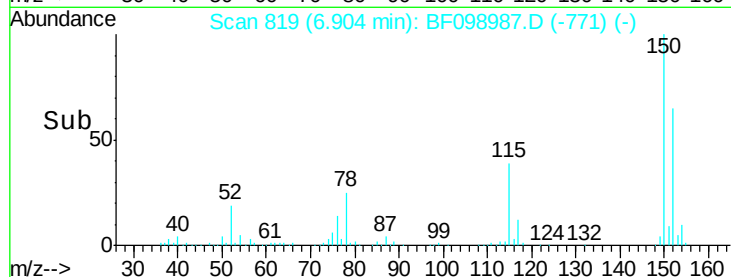
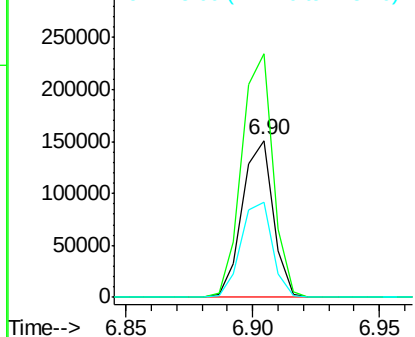
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF098987.D
Acq: 1 Oct 2017 12:57

Instrument :
BNA_F
ClientSampleId :
TW-1_092617

Tot Ion:152 Resp: 128353
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 60.5 50.1 75.1



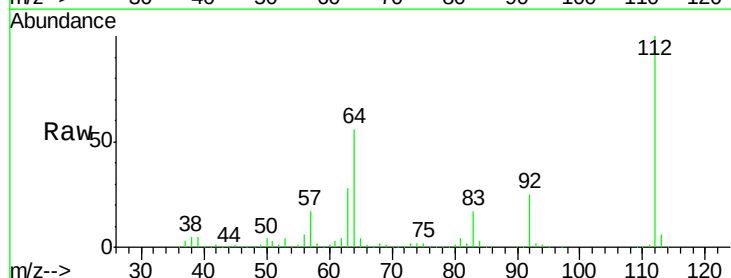
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



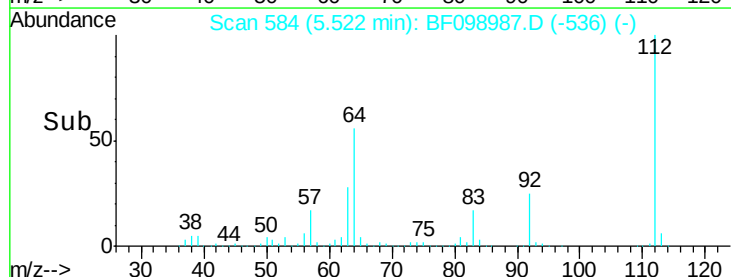
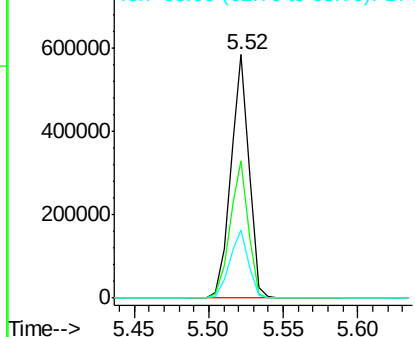
#5

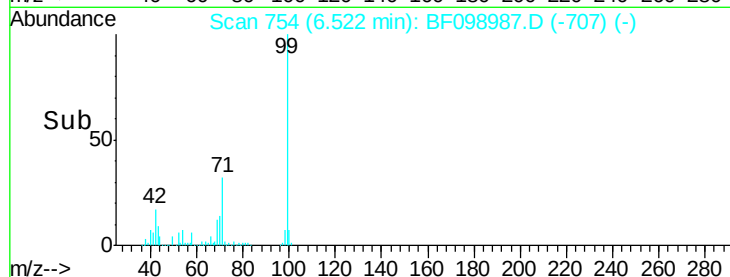
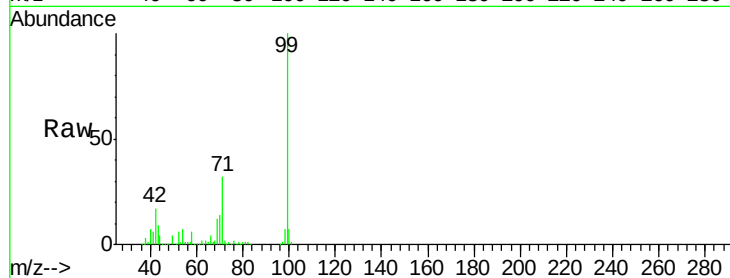
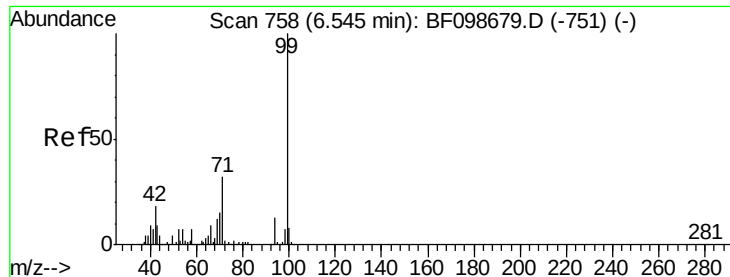
2-Fluorophenol
Concen: 62.30 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098987.D
Acq: 1 Oct 2017 12:57

Tgt Ion:112 Resp: 502341
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 28.2 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: 38.52 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098987.D

Acq: 1 Oct 2017 12:57

Instrument :

BNA_F

ClientSampleId :

TW-1_092617

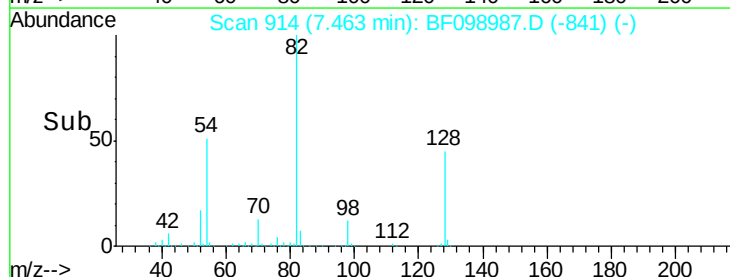
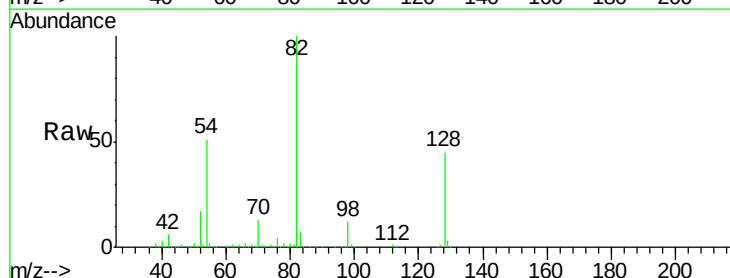
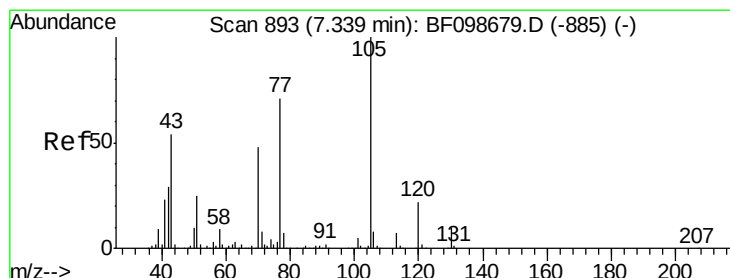
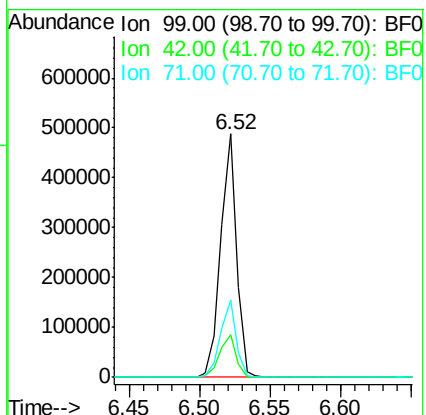
Tot Ion: 99 Resp: 383187

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

71 31.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.05 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.13 min

Lab File: BF098987.D

Acq: 1 Oct 2017 12:57

Tgt Ion: 70 Resp: 101903

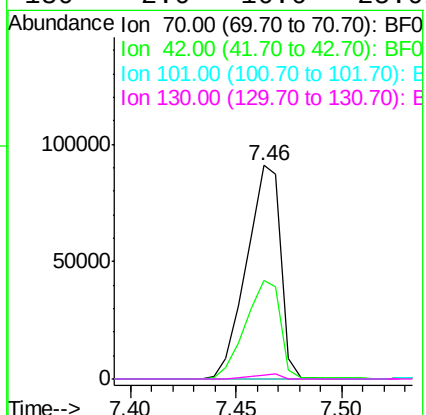
Ion Ratio Lower Upper

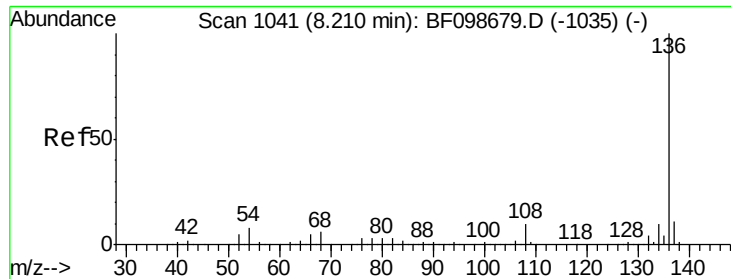
70 100

42 46.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

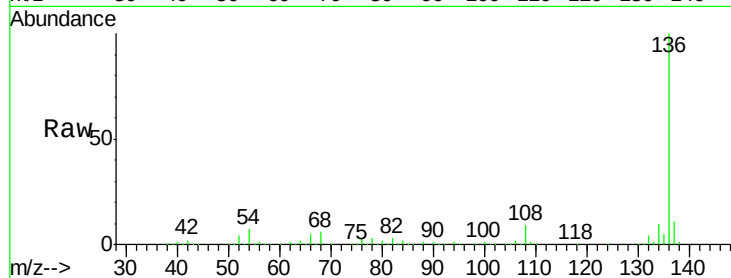




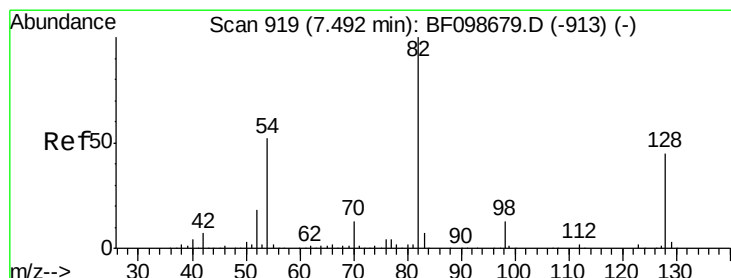
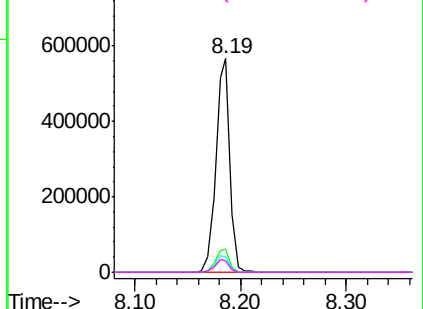
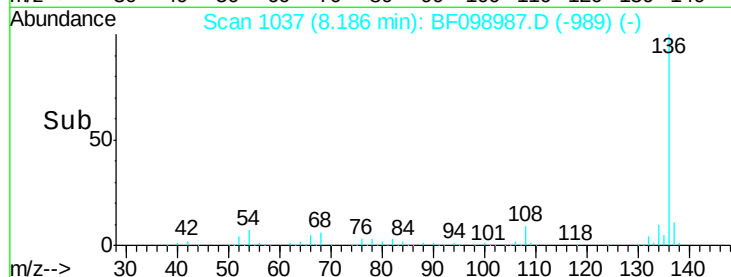
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF098987.D
Acq: 1 Oct 2017 12:57

Instrument :
BNA_F
ClientSampleId :
TW-1_092617

Tot Ion:136	Resp:	531693
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	7.3	6.6 9.8
68	5.6	5.0 7.4

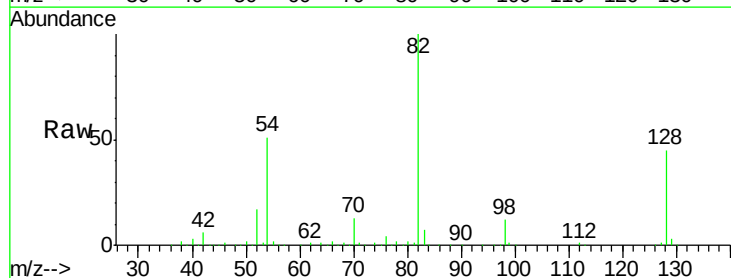


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

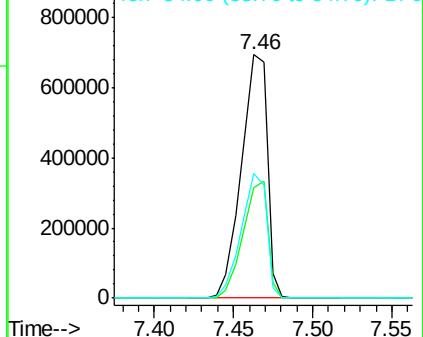
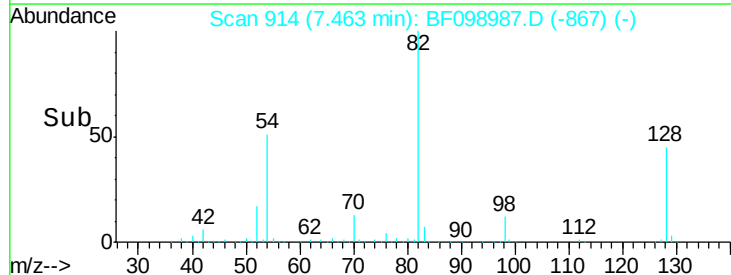


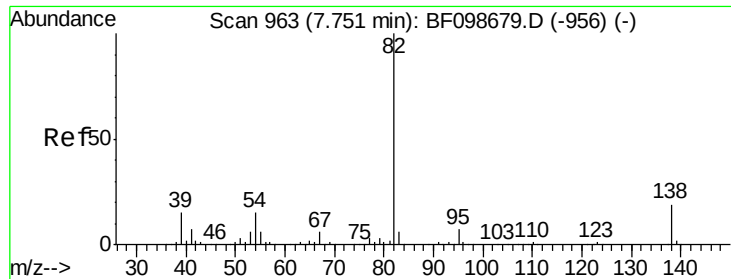
#23
Nitrobenzene-d5
Concen: 94.65 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.02 min
Lab File: BF098987.D
Acq: 1 Oct 2017 12:57

Tgt Ion: 82	Resp:	784724
Ion Ratio	Lower	Upper
82	100	
128	45.3	36.1 54.1
54	51.1	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: 45.47 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.28 min

Lab File: BF098987.D

Acq: 1 Oct 2017 12:57

Instrument :

BNA_F

ClientSampleId :

TW-1_092617

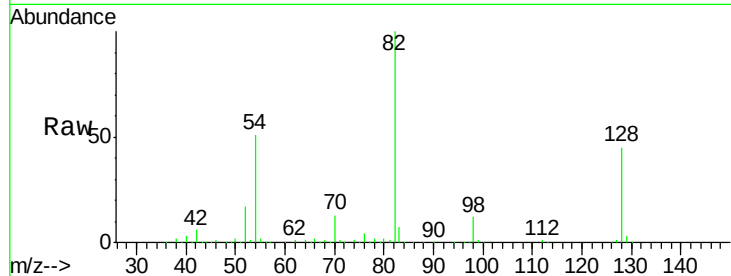
Tot Ion: 82 Resp: 779487

Ion Ratio Lower Upper

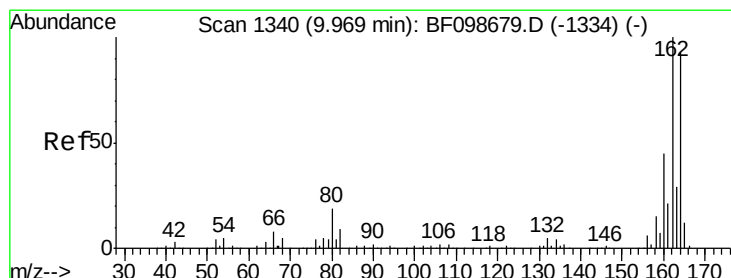
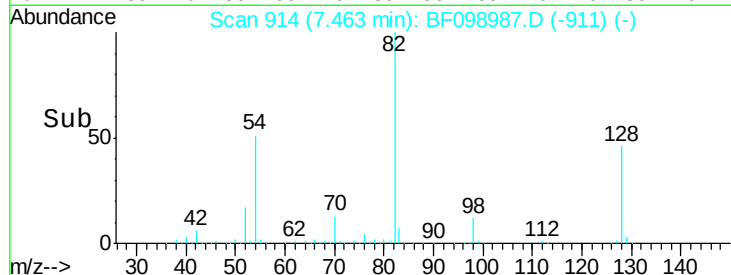
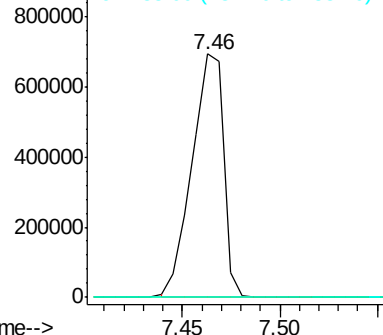
82 100

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: 9.94 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF098987.D

Acq: 1 Oct 2017 12:57

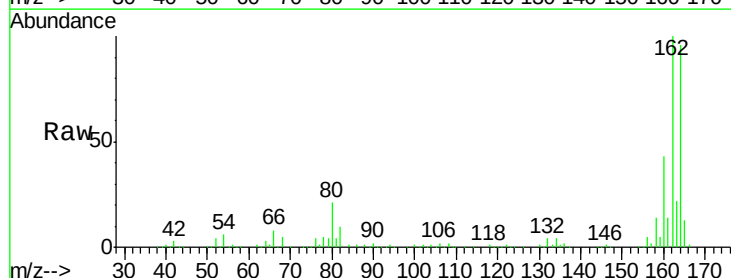
Tgt Ion:164 Resp: 244084

Ion Ratio Lower Upper

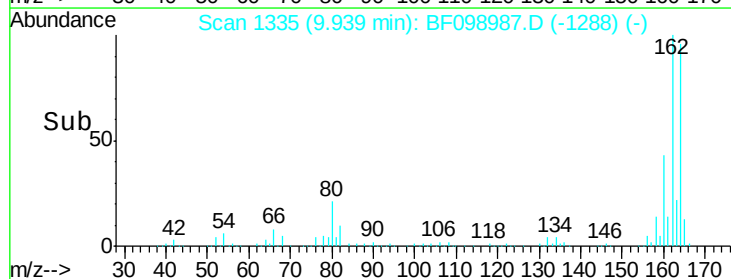
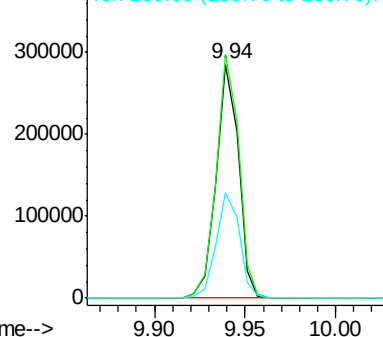
164 100

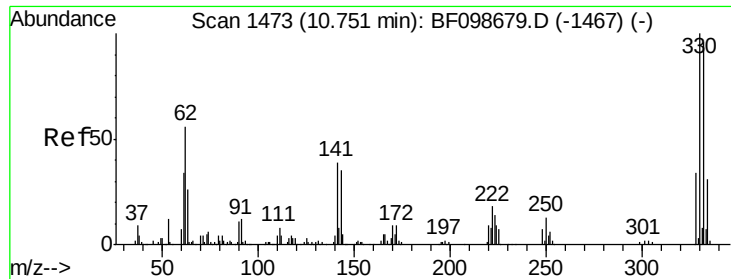
162 104.1 86.1 129.1

160 44.9 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

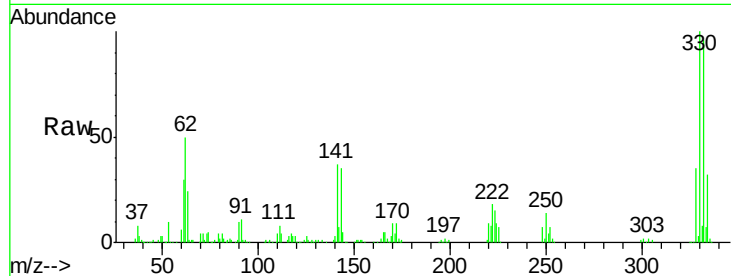




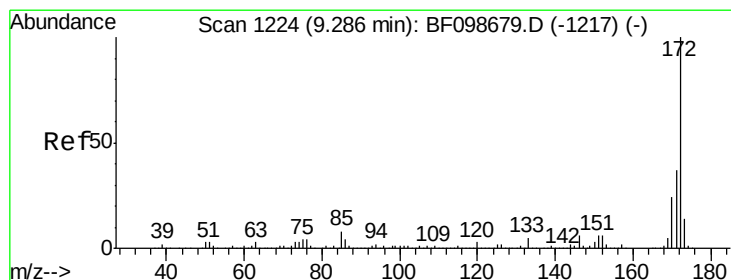
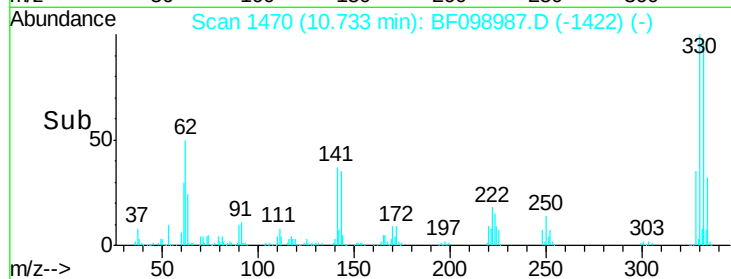
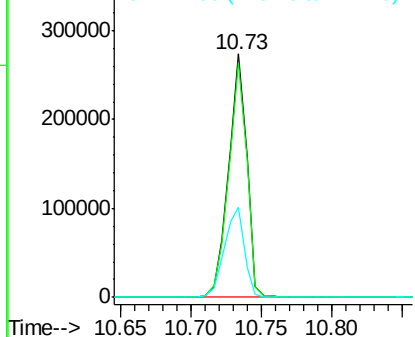
#41
 2,4,6-Tribromophenol
 Concen: 123.26 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098987.D
 Acq: 1 Oct 2017 12:57

Instrument :
 BNA_F
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 TW-1_092617

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	40.4	29.9	44.9

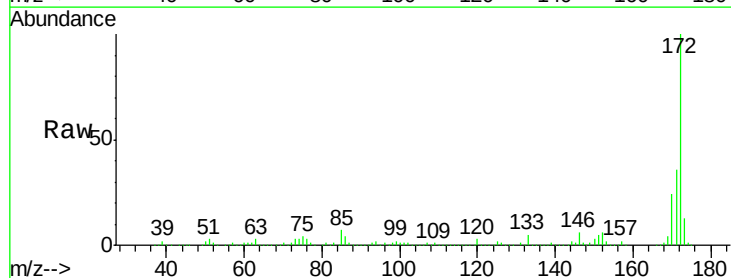


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

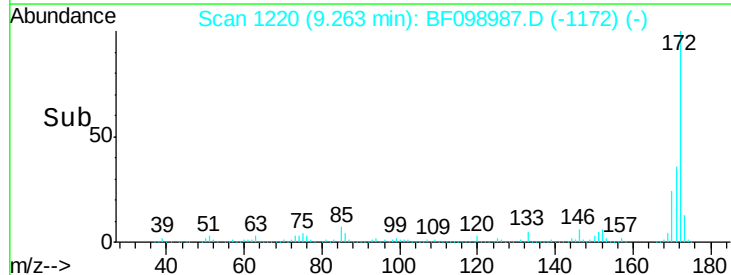
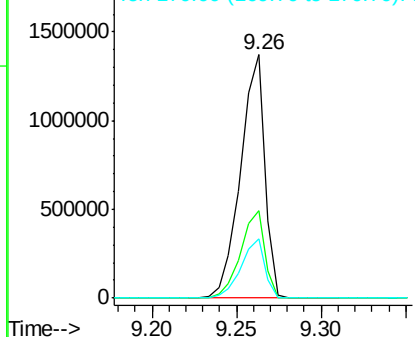


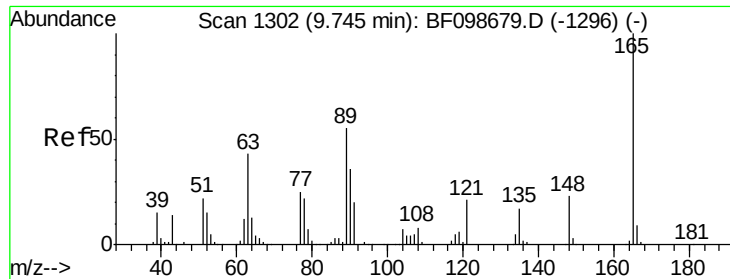
#44
 2-Fluorobiphenyl
 Concen: 94.24 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098987.D
 Acq: 1 Oct 2017 12:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.2	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

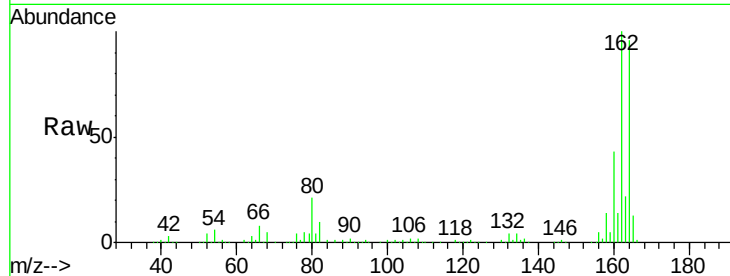




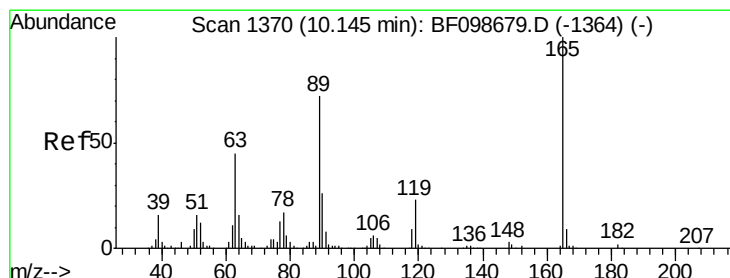
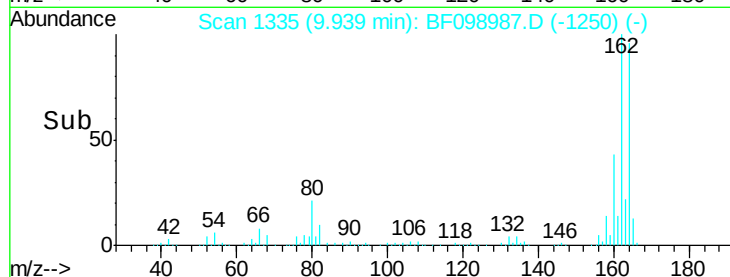
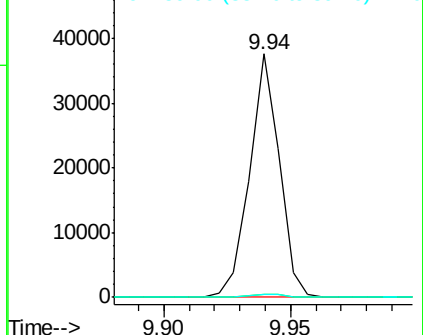
#50
 2,6-Dinitrotoluene
 Concen: 7.68 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.20 min
 Lab File: BF098987.D
 Acq: 1 Oct 2017 12:57

Instrument :
 BNA_F
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 TW-1_092617

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

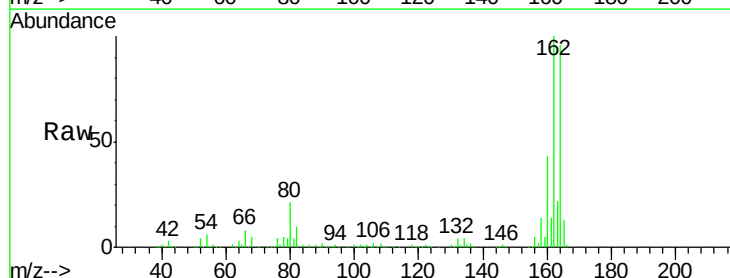


Abundance Ion 165.00 (164.70 to 165.70): E

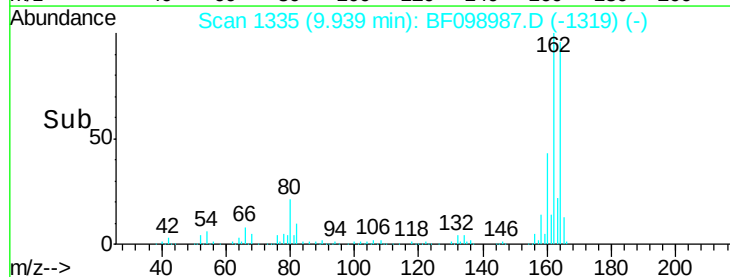
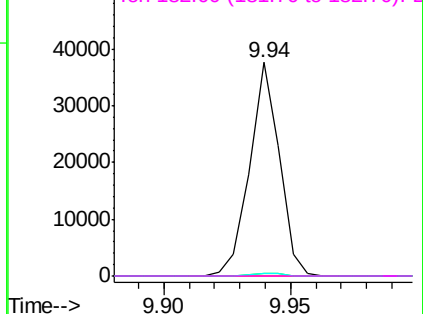


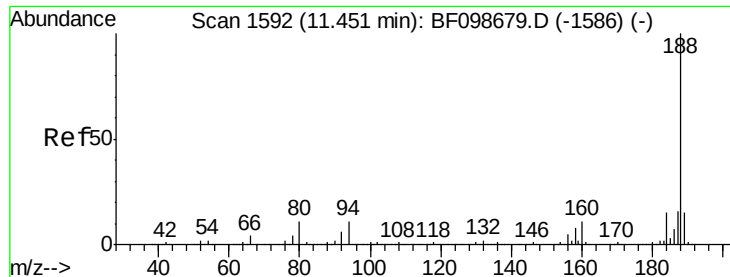
#56
 2,4-Dinitrotoluene
 Concen: 5.92 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.21 min
 Lab File: BF098987.D
 Acq: 1 Oct 2017 12:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	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

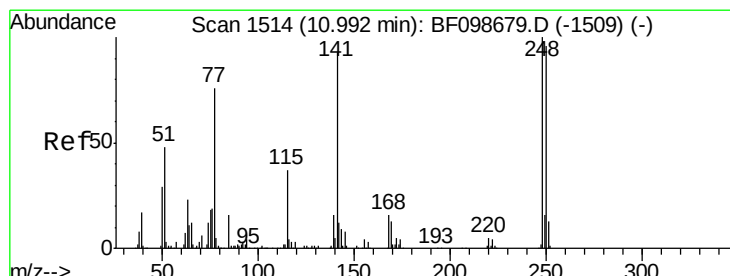
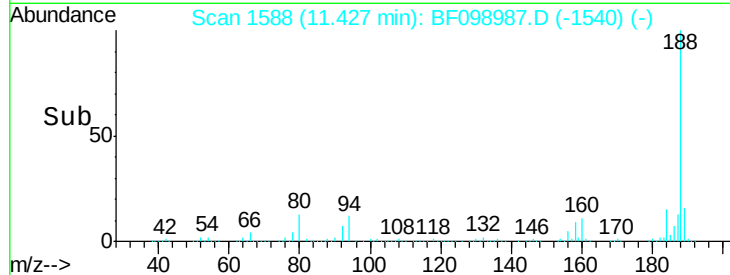
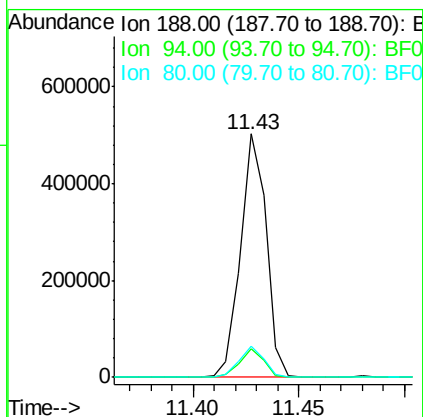
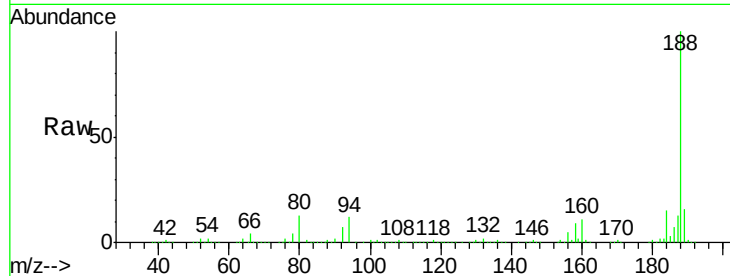




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF098987.D
Acq: 1 Oct 2017 12:57

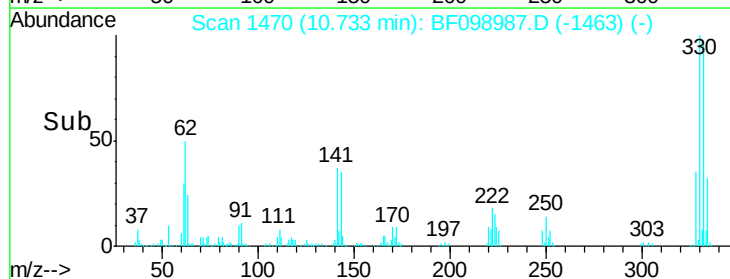
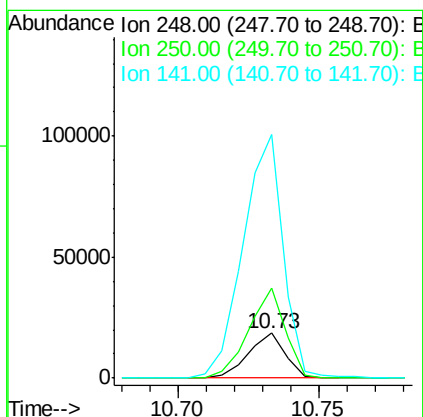
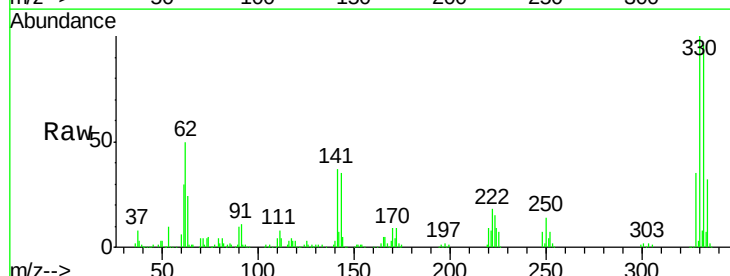
Instrument :
BNA_F
ClientSampleId :
TW-1_092617

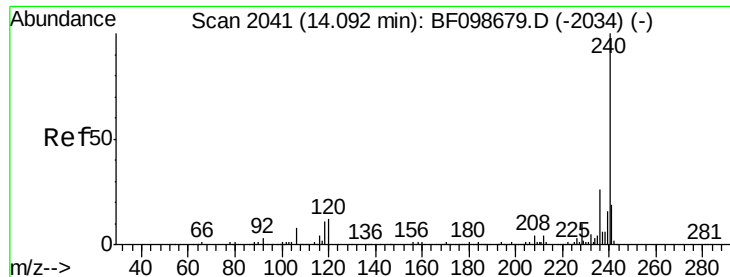
Tot Ion:188 Resp: 423630
Ion Ratio Lower Upper
188 100
94 11.9 8.5 12.7
80 12.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.02 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.26 min
Lab File: BF098987.D
Acq: 1 Oct 2017 12:57

Tgt Ion:248 Resp: 16661
Ion Ratio Lower Upper
248 100
250 200.8 76.9 115.3#
141 545.2 74.4 111.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BF098987.D

Acq: 1 Oct 2017 12:57

Instrument :

BNA_F

ClientSampleId :

TW-1_092617

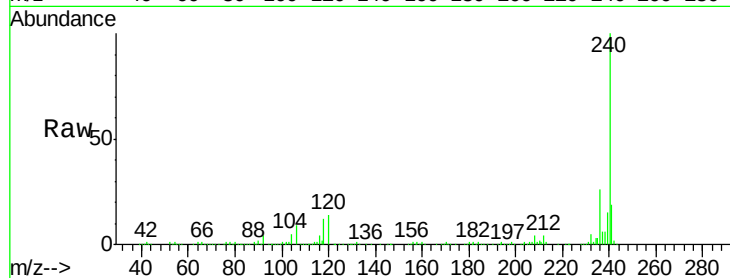
Tot Ion:240 Resp: 277833

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

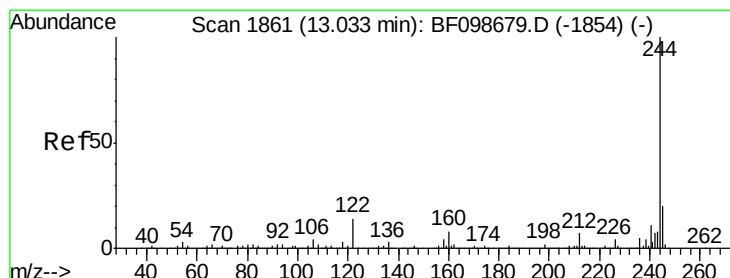
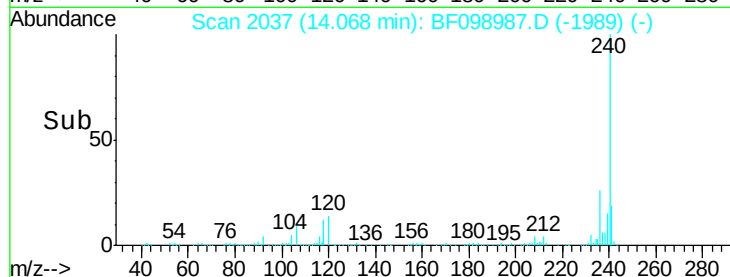
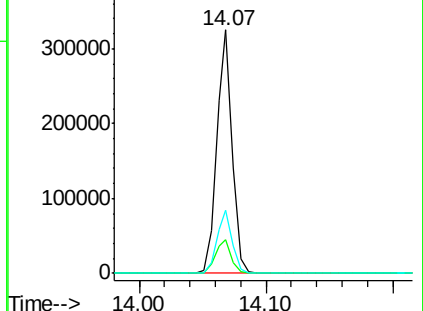
236 25.9 20.7 31.1



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: 95.69 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098987.D

Acq: 1 Oct 2017 12:57

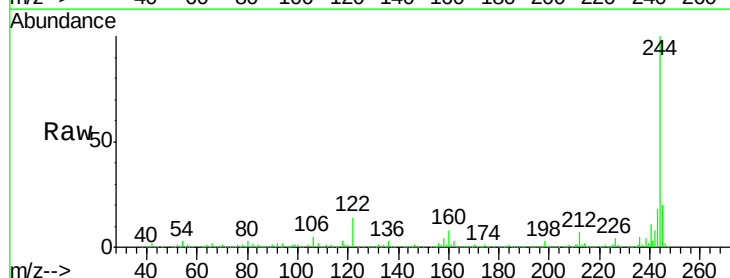
Tgt Ion:244 Resp: 1168973

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

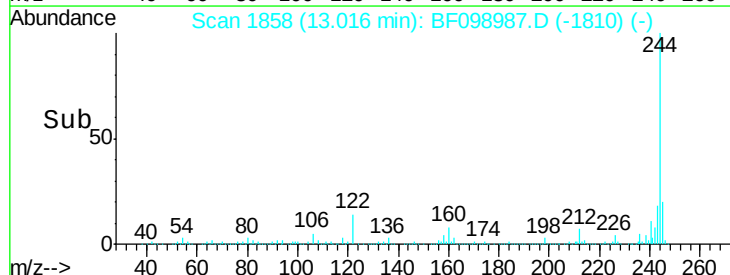
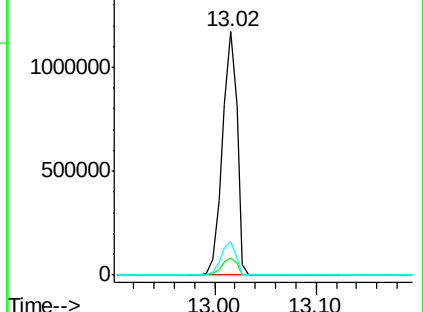
122 13.9 11.0 16.4

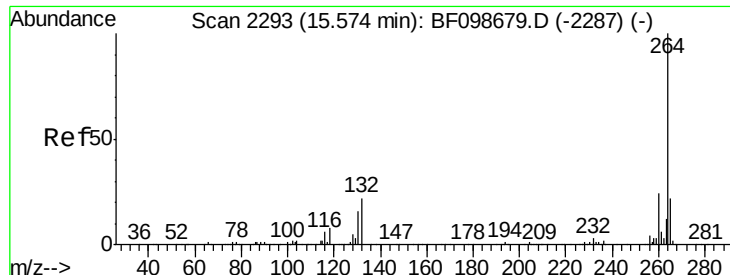


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF098987.D
Acq: 1 Oct 2017 12:57

Instrument :
BNA_F
ClientSampleId :
TW-1_092617

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3

