

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122017\
 Data File : BF101591.D
 Acq On : 21 Dec 2017 6:06
 Operator : SJ/JU
 Sample : I6971-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 121517-TIDO-F-D-S

Quant Time: Dec 21 08:00:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

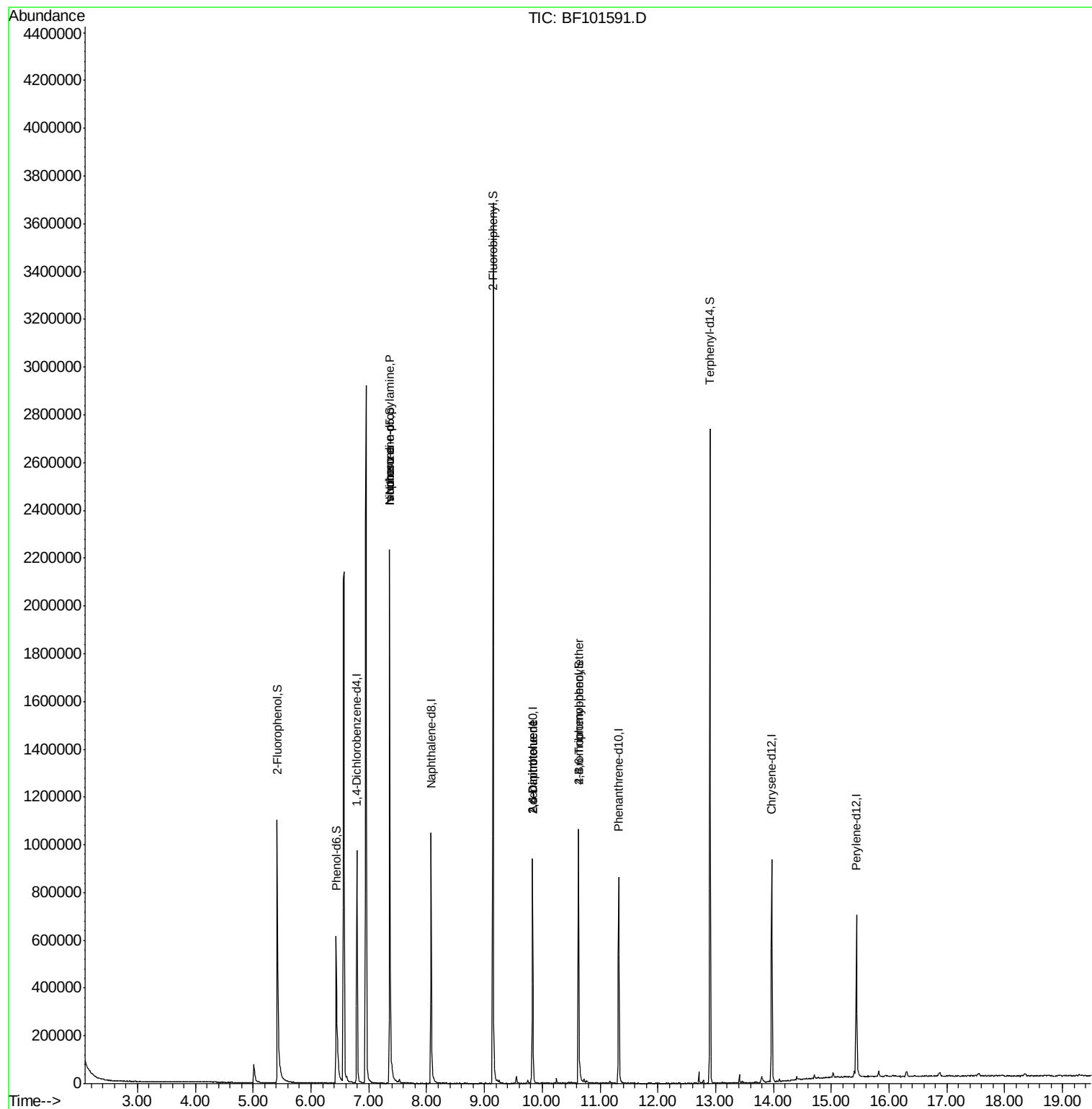
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	146603	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	538577	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	202690	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	323800	20.00	ng	0.00
75) Chrysene-d12	13.97	240	324366	20.00	ng	0.00
86) Perylene-d12	15.43	264	347801	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	436372	44.34	ng	0.00
7) Phenol-d6	6.43	99	326752	26.68	ng	0.00
23) Nitrobenzene-d5	7.36	82	846343	87.48	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	141190	72.29	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1218221	93.23	ng	0.00
78) Terphenyl-d14	12.90	244	916543	68.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	112451	13.980	ng	# 84
25) Isophorone	7.36	82	846343	43.606	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	24820	7.490	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	24820	6.648	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	8970	2.465	ng	# 1

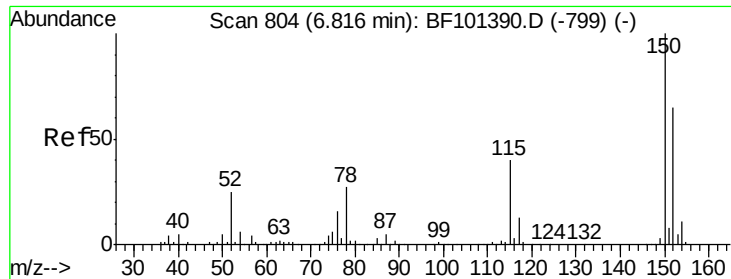
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



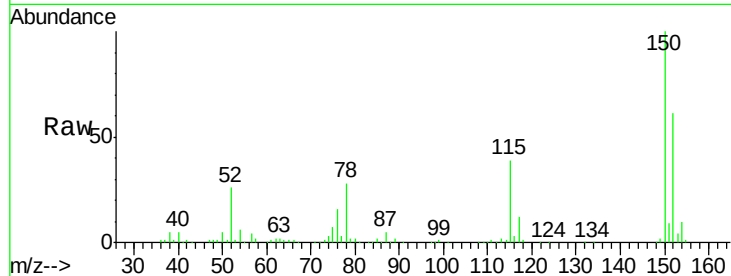


#1

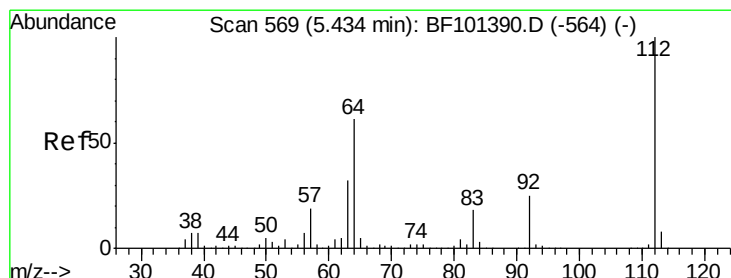
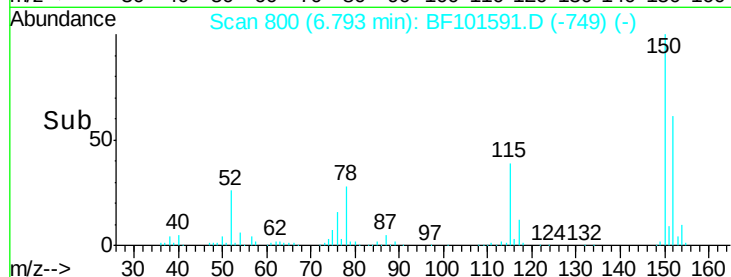
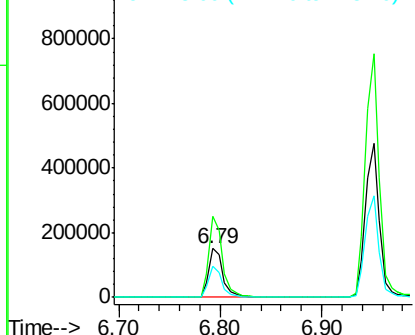
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF101591.D
Acq: 21 Dec 2017 6:06

Instrument :
BNA_F
ClientSampleId :
121517-TIDO-F-D-S

Tot Ion:152 Resp: 146603
Ion Ratio Lower Upper
152 100
150 164.9 124.6 186.8
115 64.8 50.1 75.1



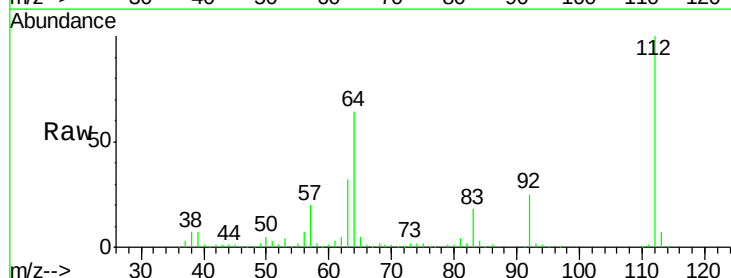
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



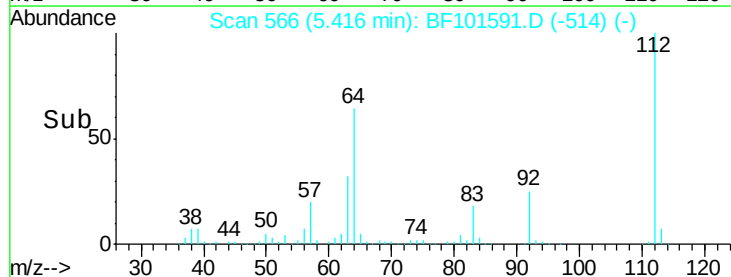
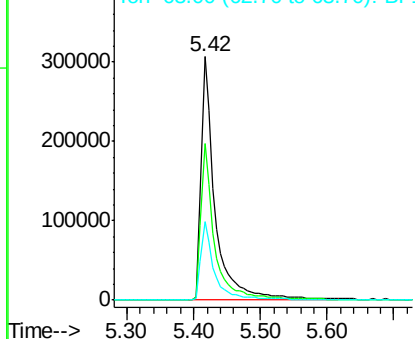
#5

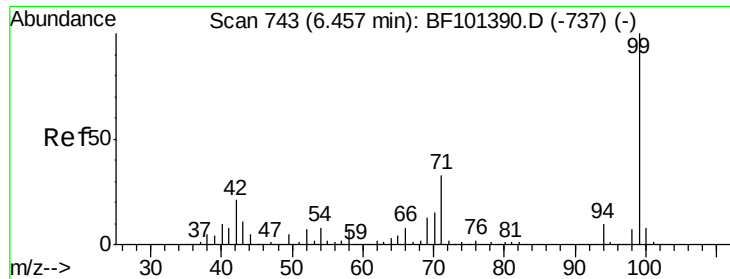
2-Fluorophenol
Concen: 44.338 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101591.D
Acq: 21 Dec 2017 6:06

Tgt Ion:112 Resp: 436372
Ion Ratio Lower Upper
112 100
64 64.4 47.9 71.9
63 32.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 26.677 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF101591.D

Acq: 21 Dec 2017 6:06

Instrument :

BNA_F

ClientSampleId :

121517-TIDO-F-D-S

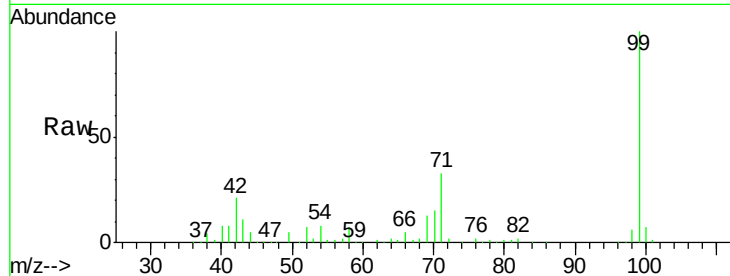
Tot Ion: 99 Resp: 326752

Ion Ratio Lower Upper

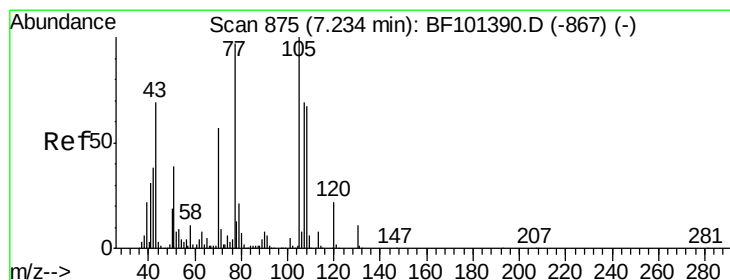
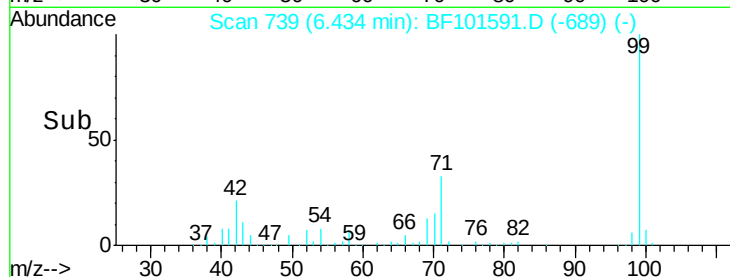
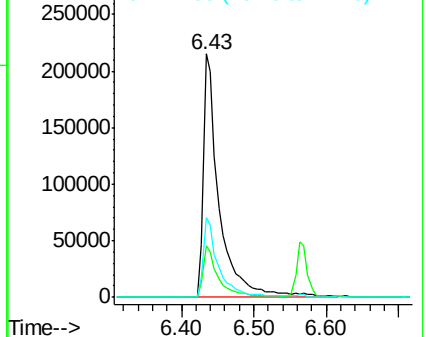
99 100

42 21.2 14.5 21.7

71 32.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.980 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101591.D

Acq: 21 Dec 2017 6:06

Tgt Ion: 70 Resp: 112451

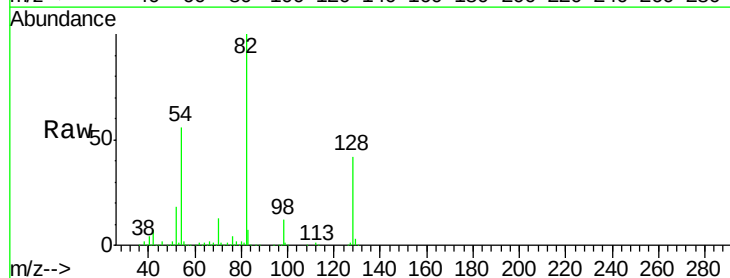
Ion Ratio Lower Upper

70 100

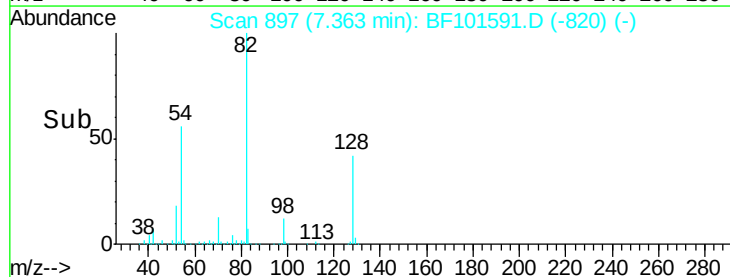
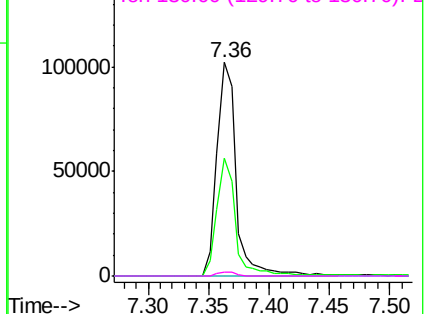
42 55.0 47.5 71.3

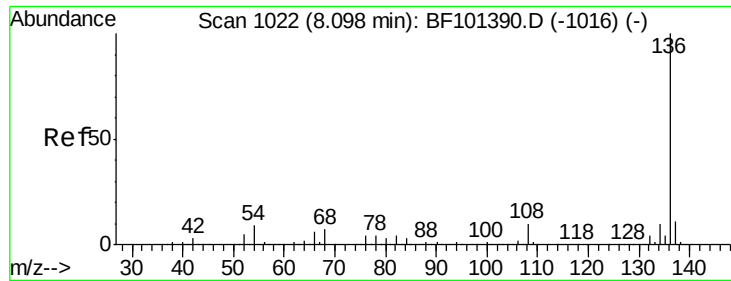
101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

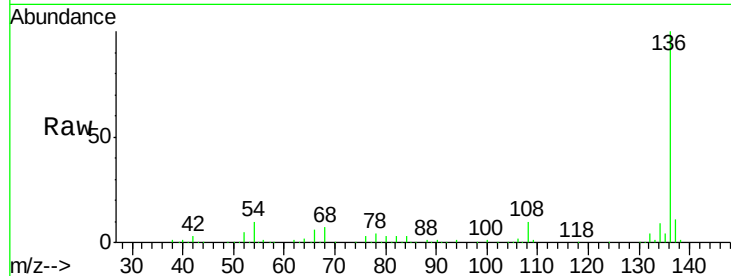




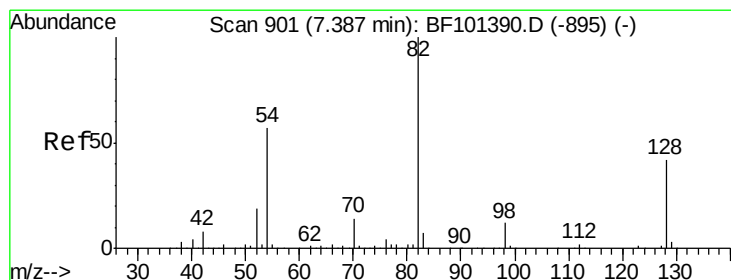
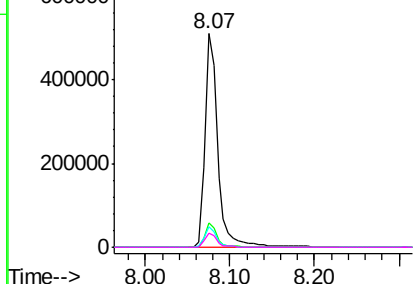
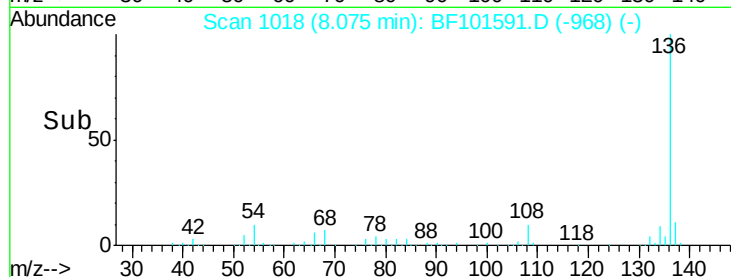
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101591.D
Acq: 21 Dec 2017 6:06

Instrument :
BNA_F
ClientSampleId :
121517-TIDO-F-D-S

Tot Ion:136	Resp:	538577
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	9.5	6.6 9.8
68	6.8	5.0 7.4

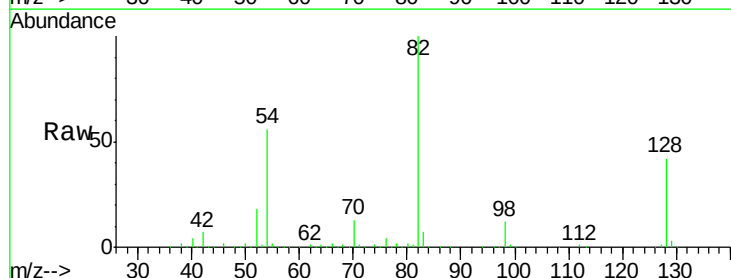


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

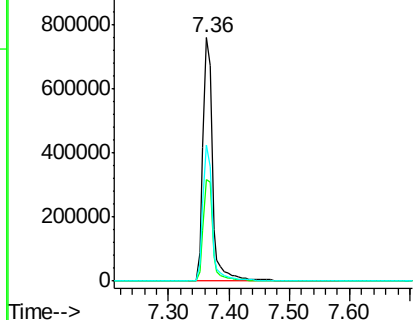
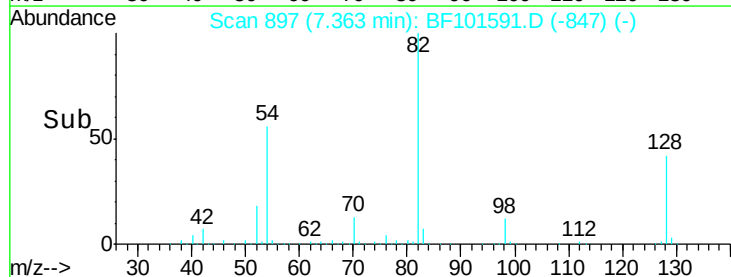


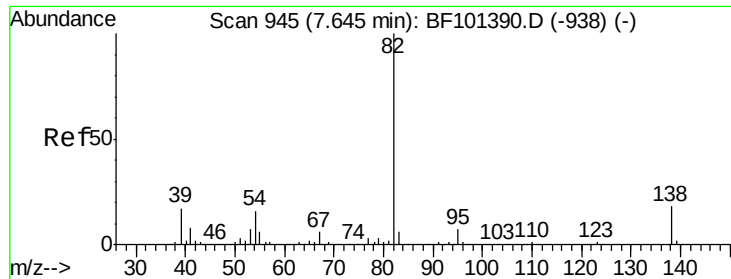
#23
Nitrobenzene-d5
Concen: 87.476 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF101591.D
Acq: 21 Dec 2017 6:06

Tgt Ion: 82	Resp:	846343
Ion Ratio	Lower	Upper
82	100	
128	41.7	36.1 54.1
54	56.1	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.606 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101591.D

Acq: 21 Dec 2017 6:06

Instrument :

BNA_F

ClientSampleId :

121517-TIDO-F-D-S

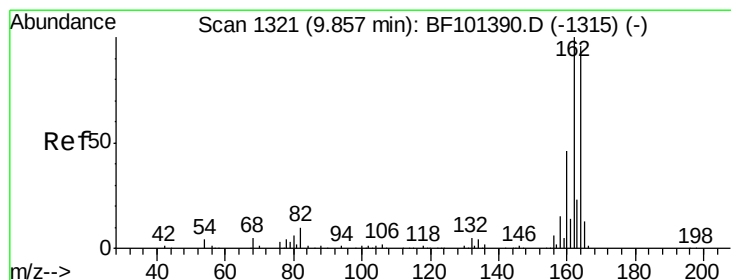
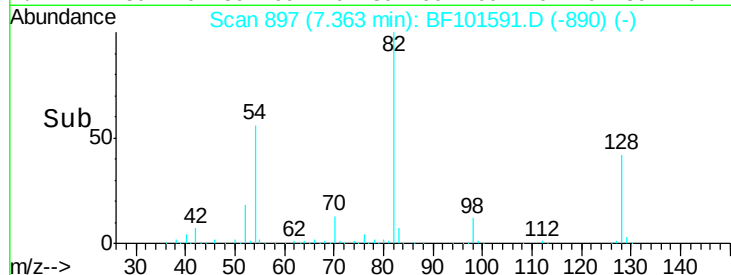
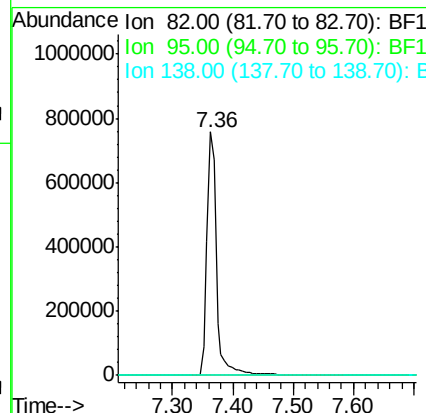
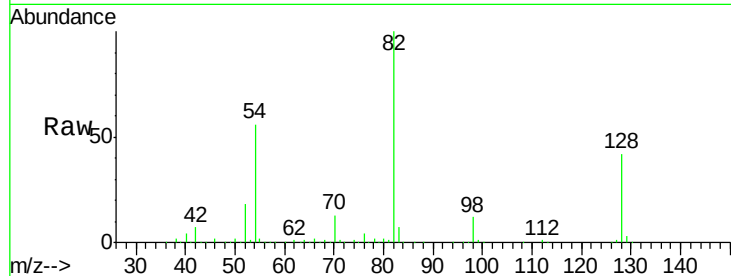
Tot Ion: 82 Resp: 846343

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF101591.D

Acq: 21 Dec 2017 6:06

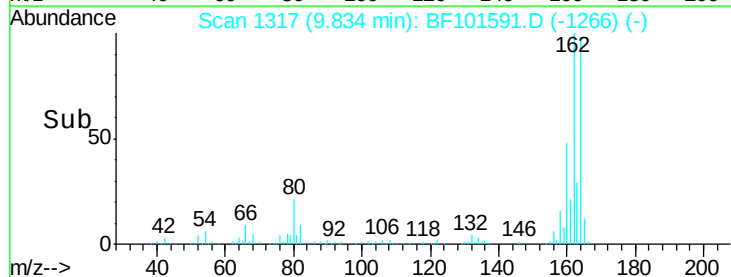
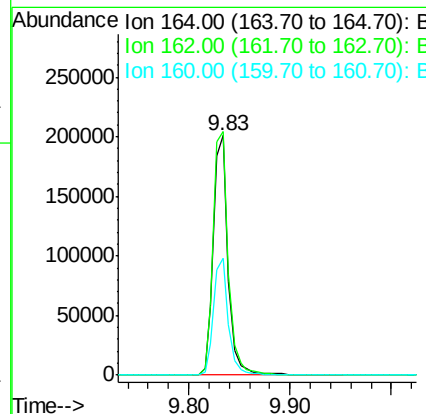
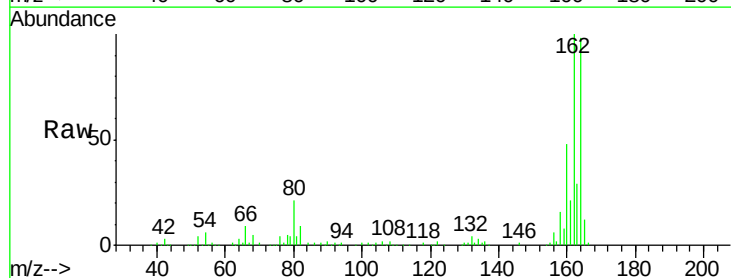
Tgt Ion:164 Resp: 202690

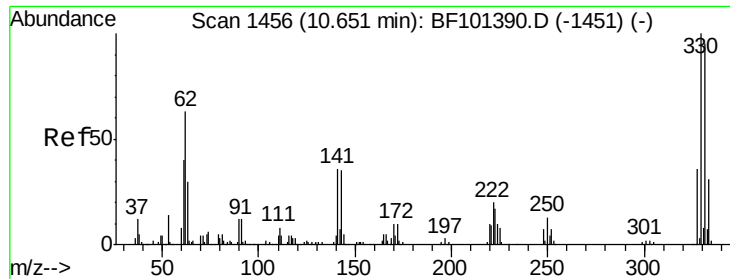
Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

160 48.6 38.3 57.5

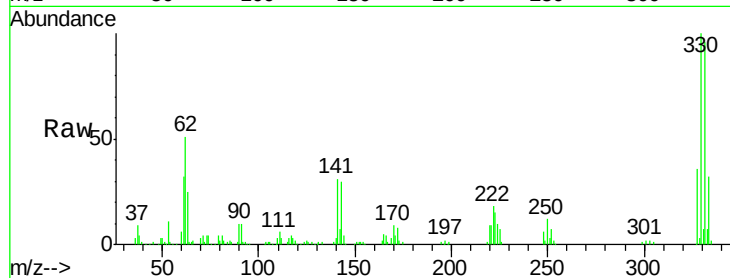




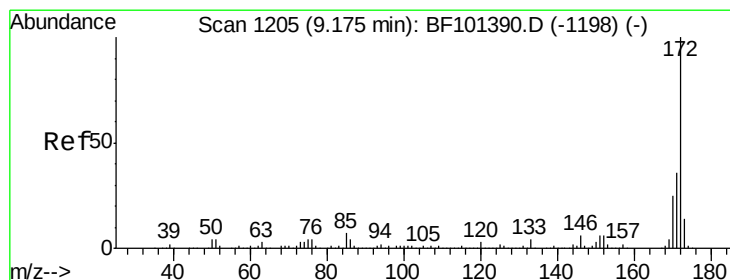
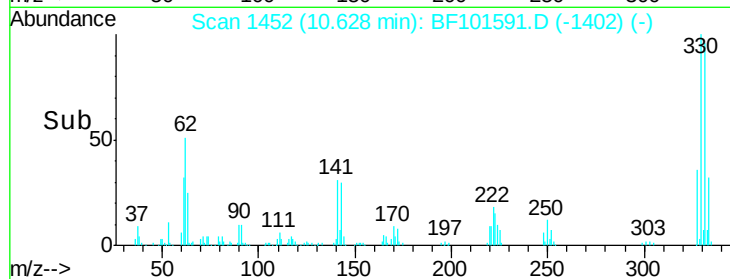
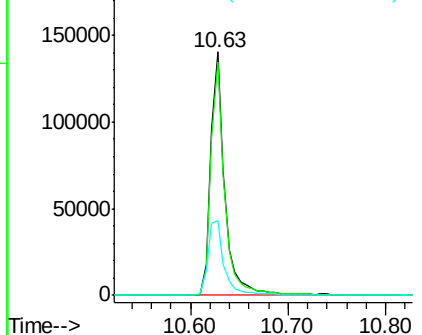
#41
 2,4,6-Tribromophenol
 Concen: 72.291 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101591.D
 Acq: 21 Dec 2017 6:06

Instrument :
 BNA_F
 ClientSampleId :
 121517-TIDO-F-D-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	35.5	29.9	44.9

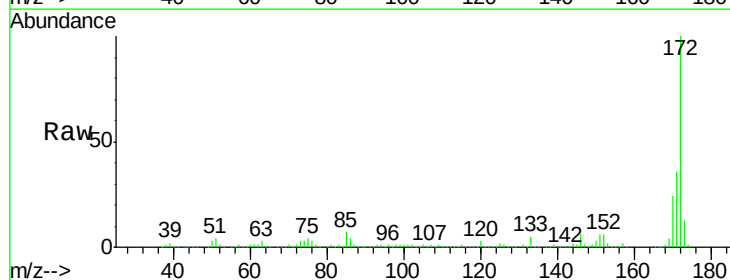


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

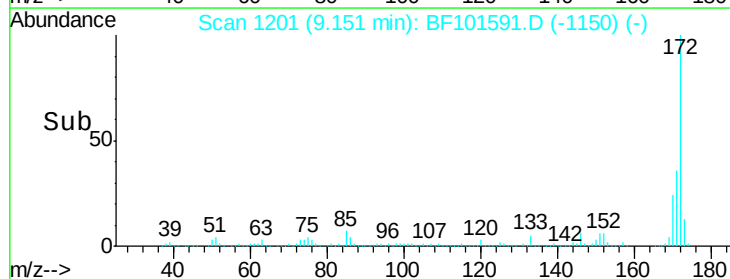
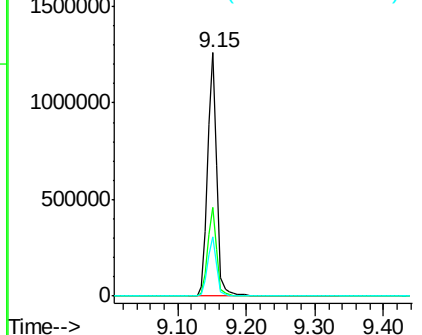


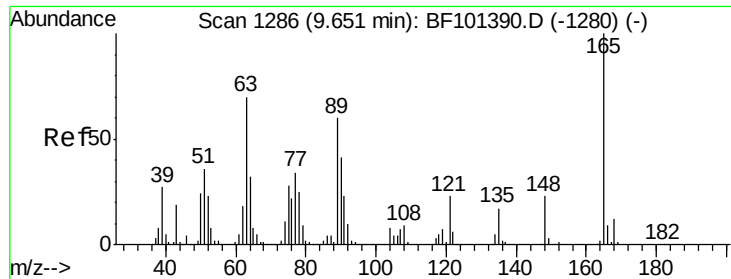
#44
 2-Fluorobiphenyl
 Concen: 93.234 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF101591.D
 Acq: 21 Dec 2017 6:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.5	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: 7.490 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF101591.D

Acq: 21 Dec 2017 6:06

Instrument :

BNA_F

ClientSampleId :

121517-TIDO-F-D-S

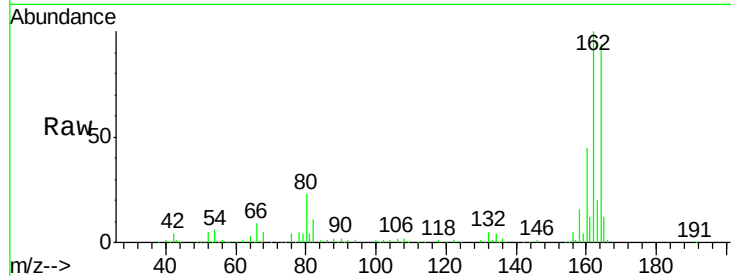
Tot Ion:165 Resp: 24820

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

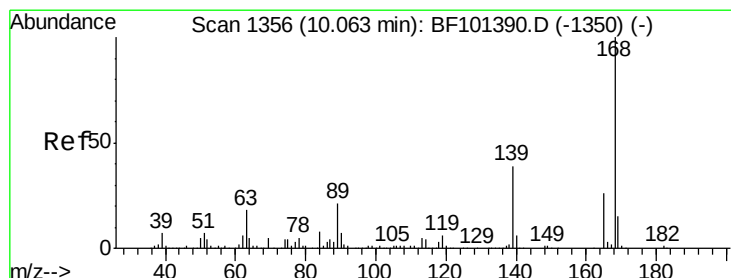
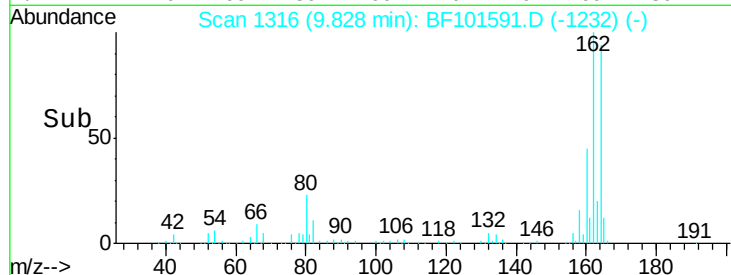
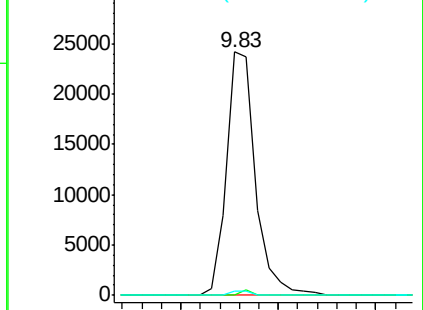
89 1.5 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.648 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.22 min

Lab File: BF101591.D

Acq: 21 Dec 2017 6:06

Tgt Ion:165 Resp: 24820

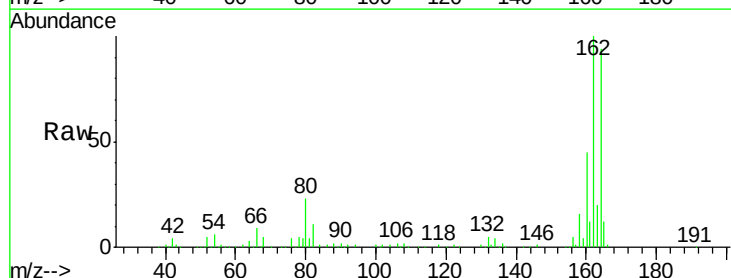
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

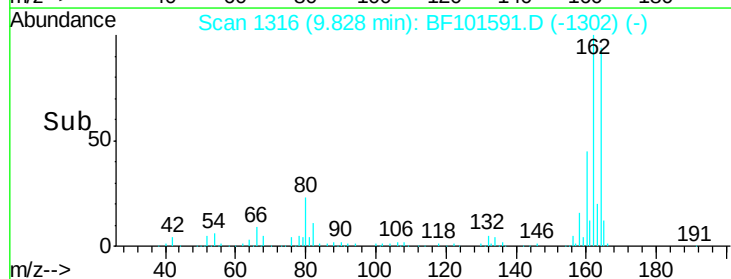
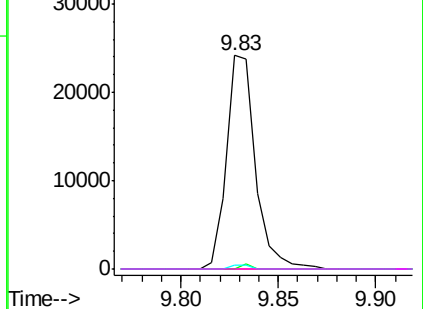


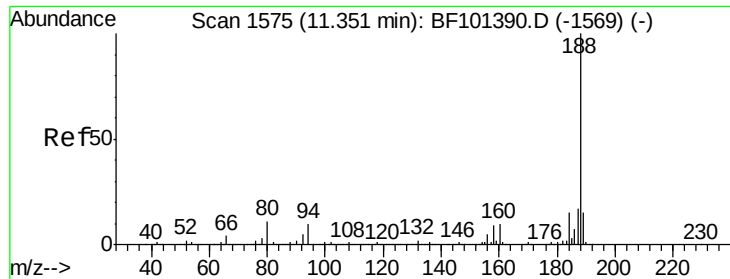
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

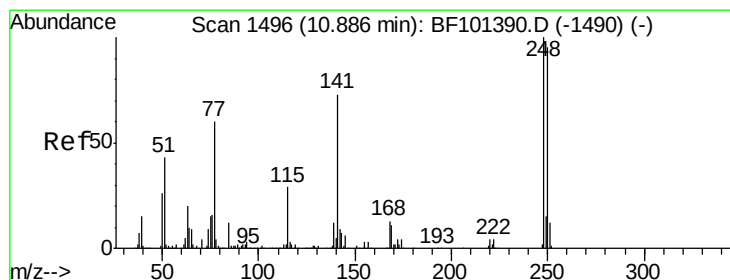
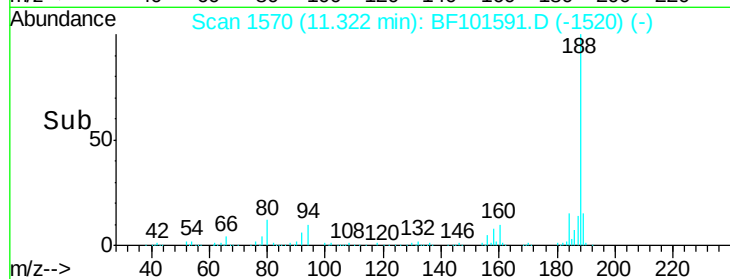
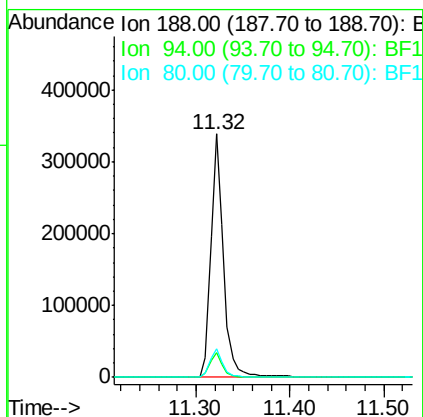
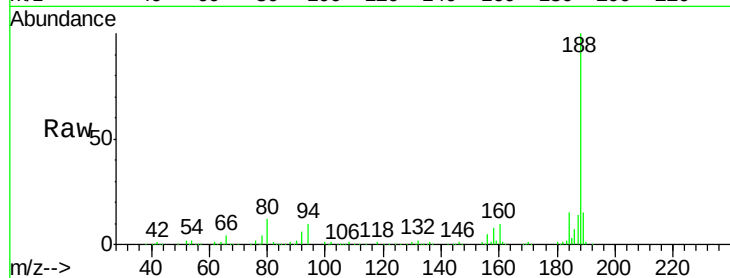




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101591.D
Acq: 21 Dec 2017 6:06

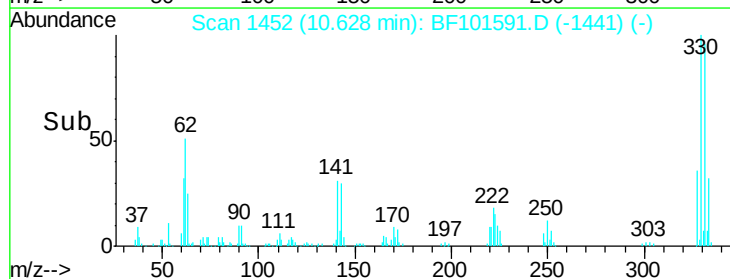
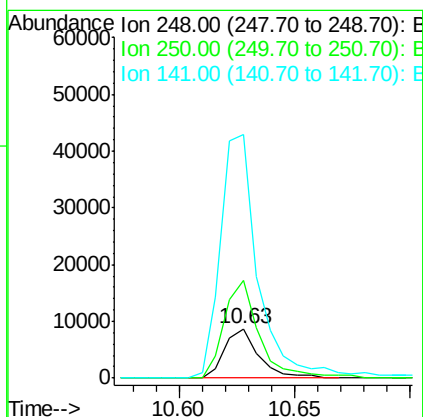
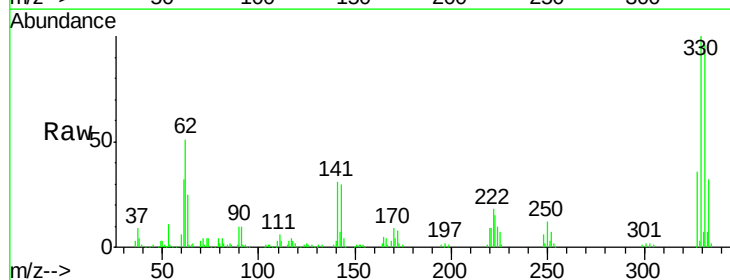
Instrument :
BNA_F
ClientSampleId :
121517-TIDO-F-D-S

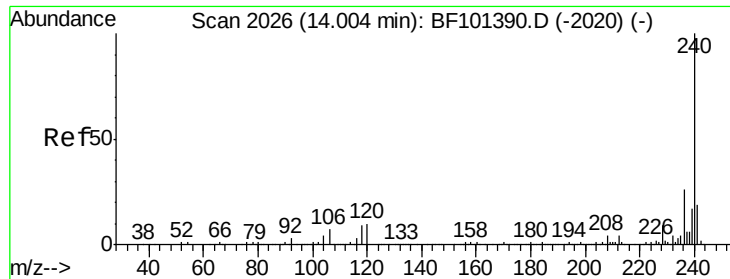
Tot Ion:188 Resp: 323800
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.465 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BF101591.D
Acq: 21 Dec 2017 6:06

Tgt Ion:248 Resp: 8970
Ion Ratio Lower Upper
248 100
250 197.2 76.9 115.3#
141 492.4 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101591.D

Acq: 21 Dec 2017 6:06

Instrument :

BNA_F

ClientSampleId :

121517-TIDO-F-D-S

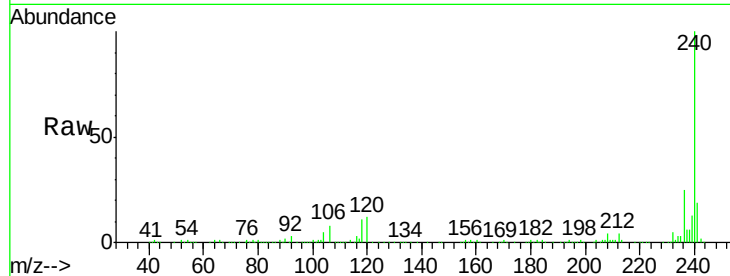
Tot Ion:240 Resp: 324366

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

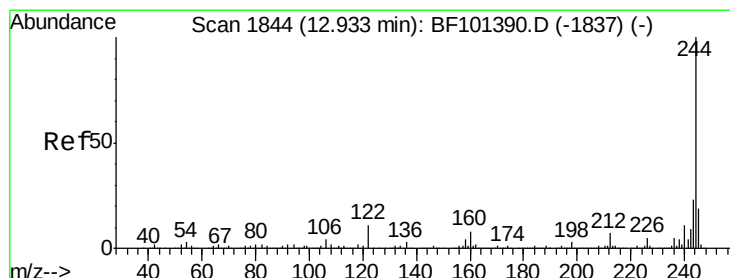
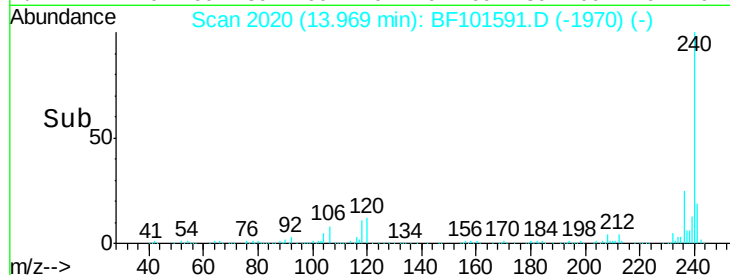
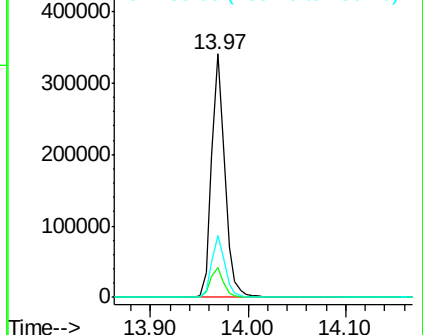
236 25.5 20.7 31.1



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: 68.120 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101591.D

Acq: 21 Dec 2017 6:06

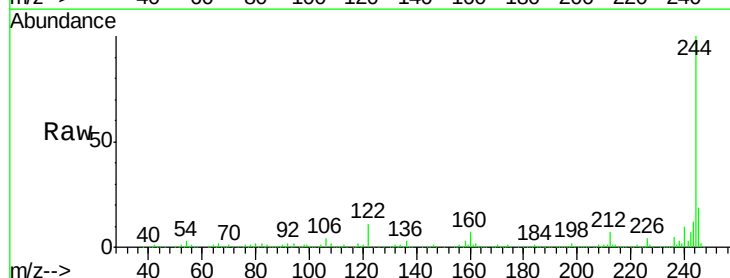
Tgt Ion:244 Resp: 916543

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

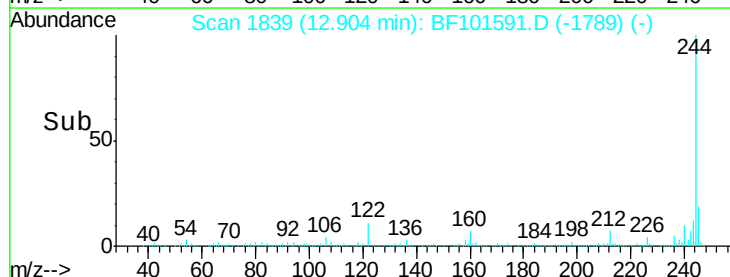
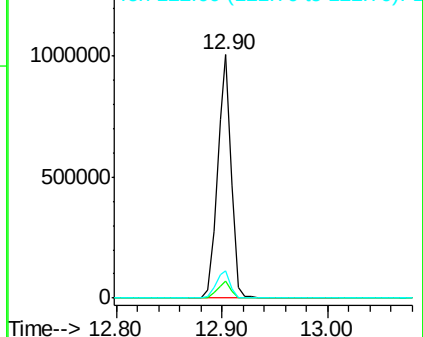
122 11.3 11.0 16.4

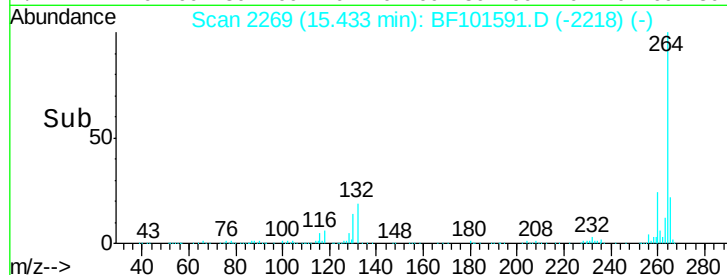
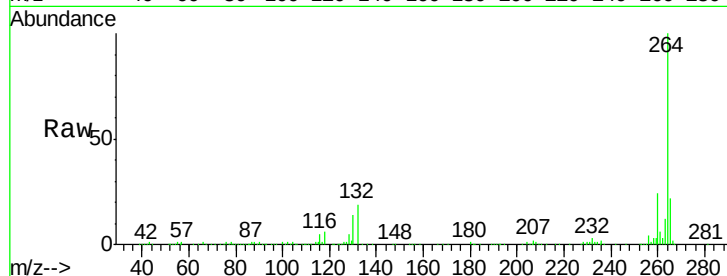
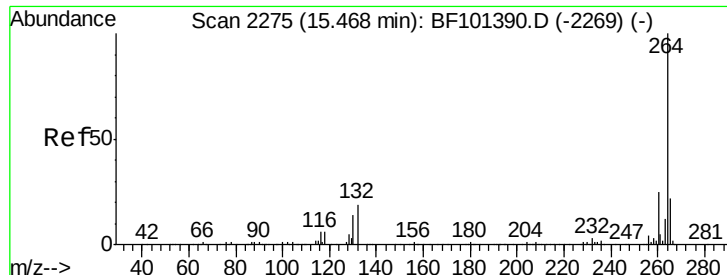


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF101591.D
 Acq: 21 Dec 2017 6:06

Instrument :
 BNA_F
 ClientSampleId :
 121517-TIDO-F-D-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	17.5	26.3

