

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122017\
 Data File : BF101562.D
 Acq On : 20 Dec 2017 12:47
 Operator : SJ/JU
 Sample : PB105158BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB105158BL

Quant Time: Dec 20 14:28:25 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

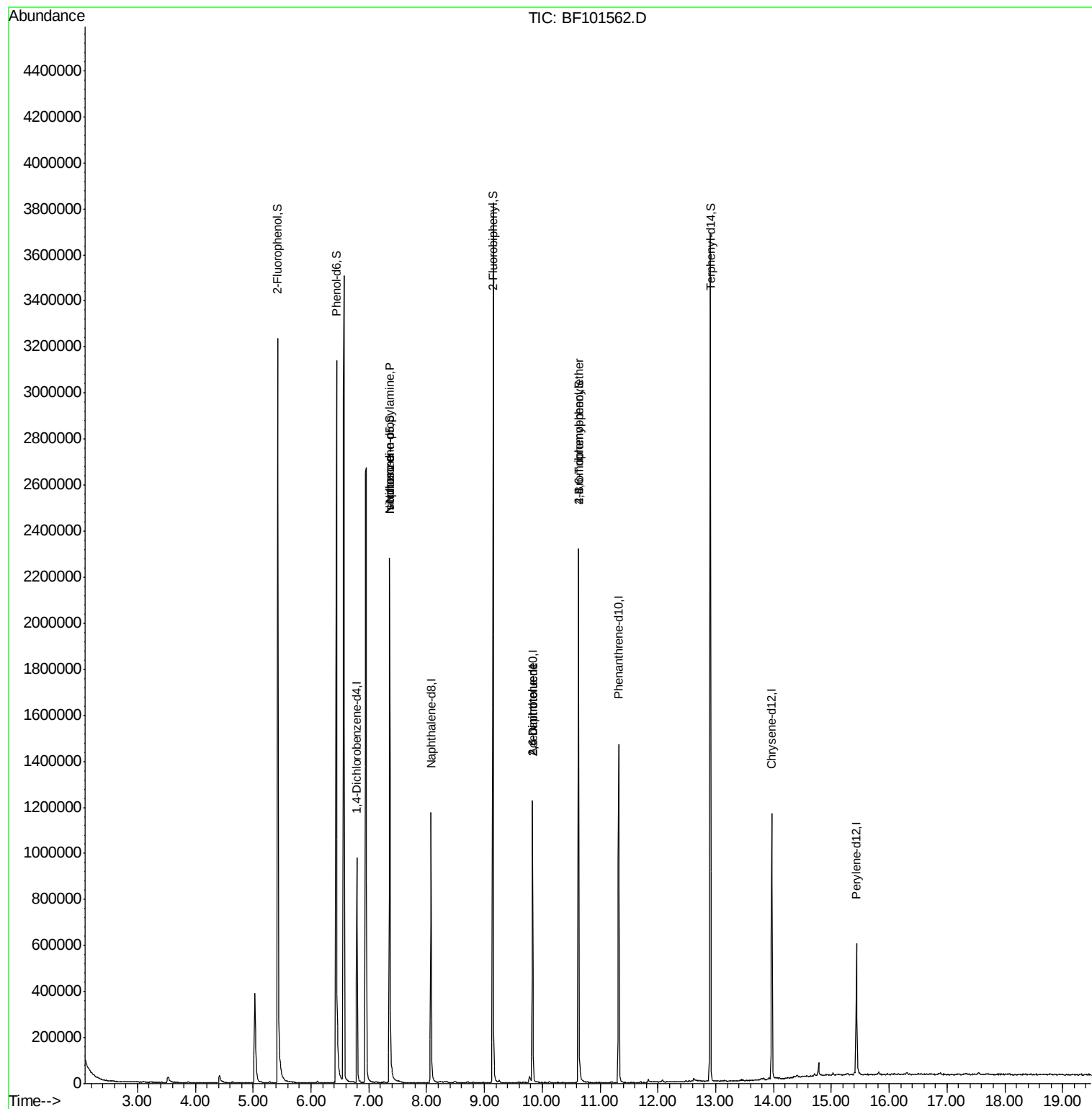
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	143183	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	588677	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	265483	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	524916	20.00	ng	0.00
75) Chrysene-d12	13.97	240	392631	20.00	ng	0.00
86) Perylene-d12	15.43	264	280993	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1080491	112.41	ng	0.01
7) Phenol-d6	6.44	99	1296564	108.38	ng	0.00
23) Nitrobenzene-d5	7.36	82	856160	80.96	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	312393	122.12	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1425953	83.32	ng	0.00
78) Terphenyl-d14	12.91	244	1397183	85.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	115053	14.645	ng	# 82
25) Isophorone	7.36	82	856154	40.357	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	33667	7.757	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	33667	6.885	ng	# 24
66) 4-Bromophenyl-phenylether	10.63	248	19381	3.286	ng	# 1

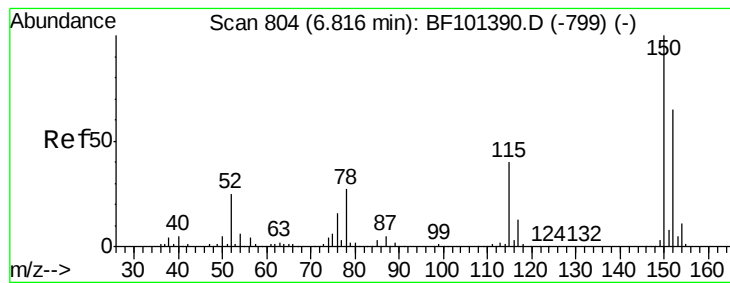
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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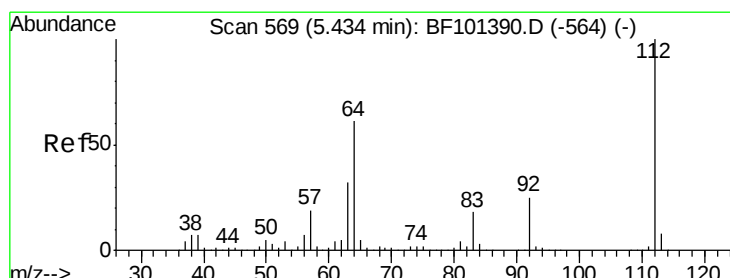
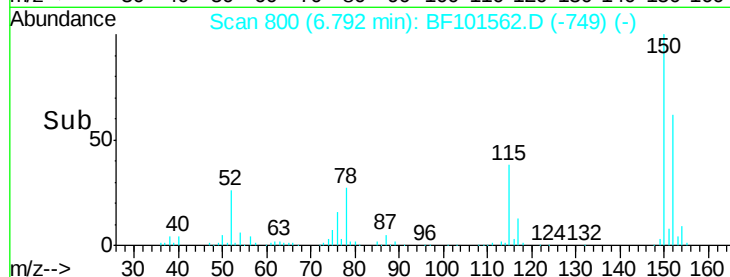
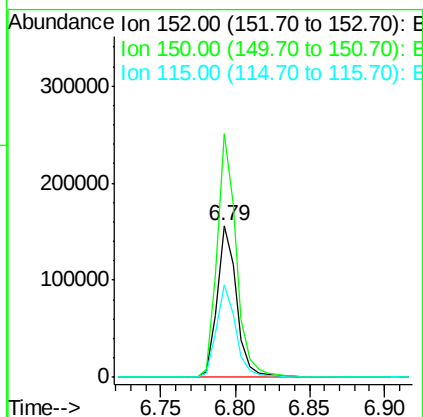
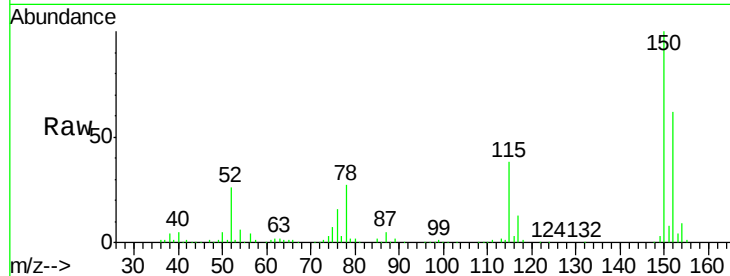


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF101562.D
Acq: 20 Dec 2017 12:47

Instrument :
BNA_F
ClientSampleId :
PB105158BL

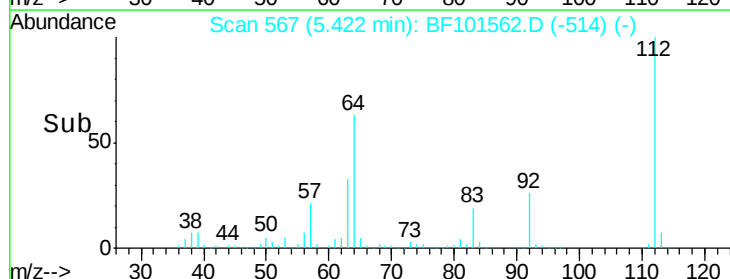
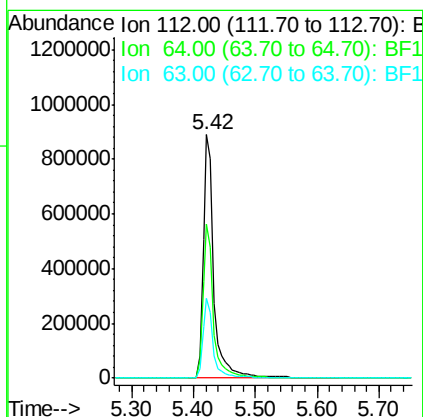
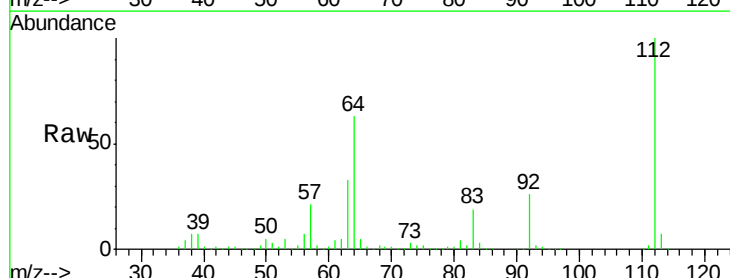
Tgt Ion:152 Resp: 143183
Ion Ratio Lower Upper
152 100
150 160.7 124.6 186.8
115 61.3 50.1 75.1

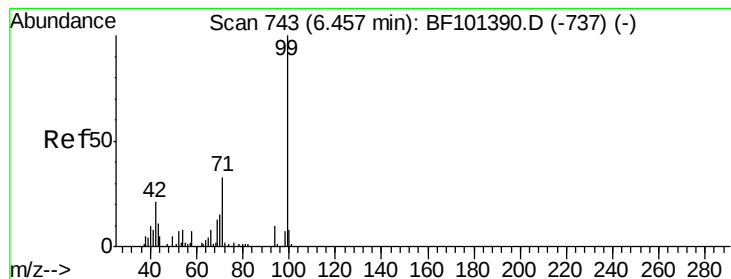


#5

2-Fluorophenol
Concen: 112.407 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101562.D
Acq: 20 Dec 2017 12:47

Tgt Ion:112 Resp: 1080491
Ion Ratio Lower Upper
112 100
64 63.4 47.9 71.9
63 32.8 23.7 35.5





#7

Phenol-d6

Concen: 108.382 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF101562.D

Acq: 20 Dec 2017 12:47

Instrument :

BNA_F

ClientSampleId :

PB105158BL

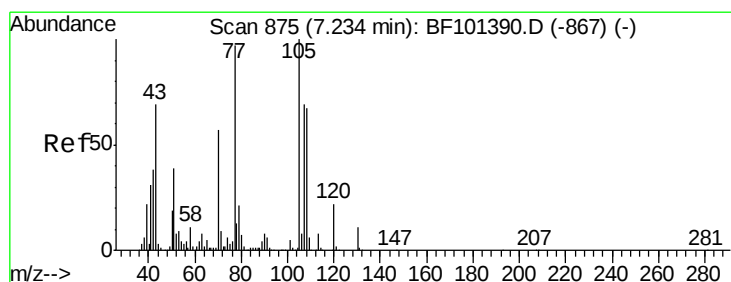
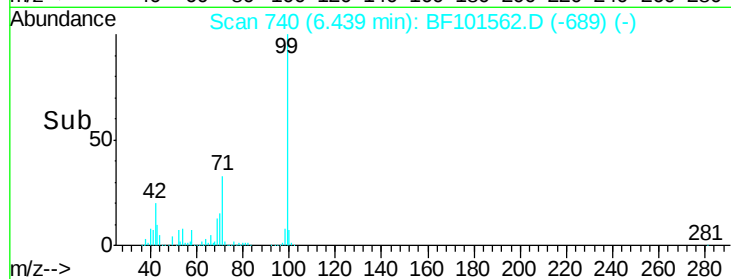
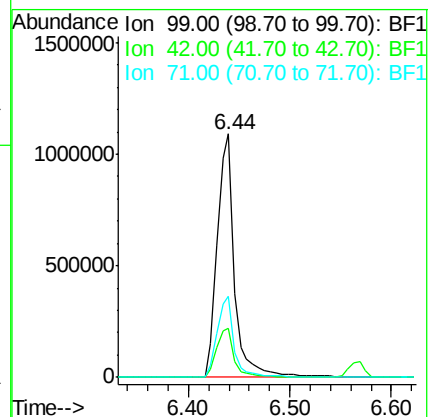
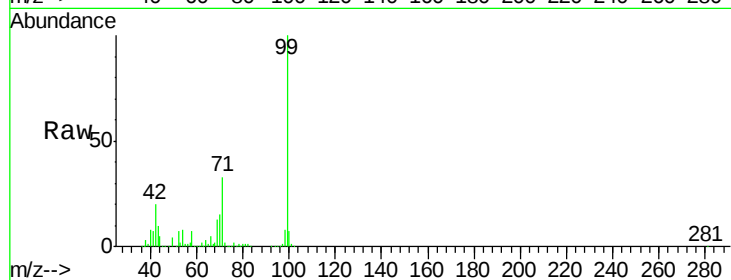
Tgt Ion: 99 Resp: 1296564

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 33.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.645 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101562.D

Acq: 20 Dec 2017 12:47

Tgt Ion: 70 Resp: 115053

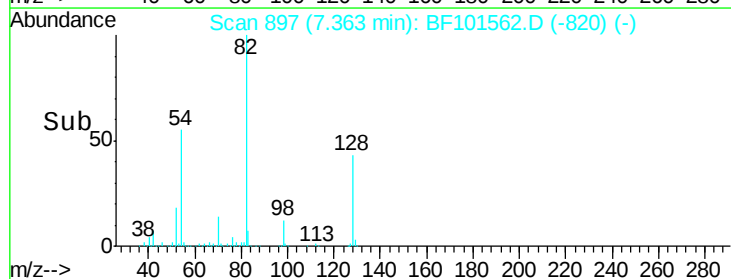
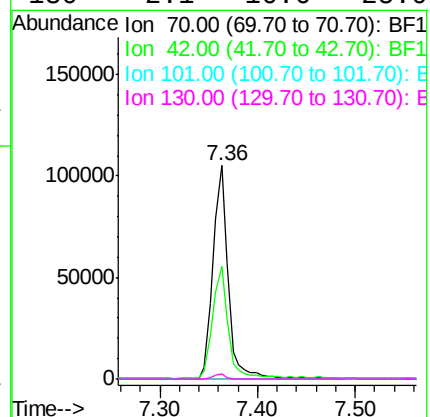
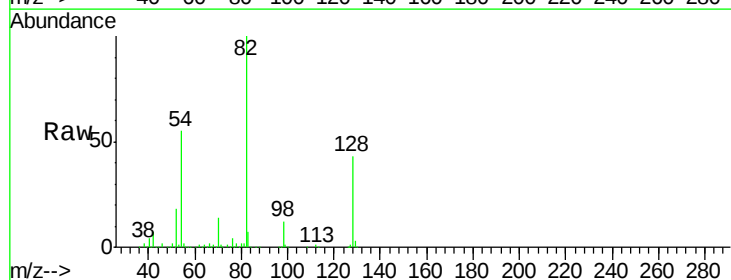
Ion Ratio Lower Upper

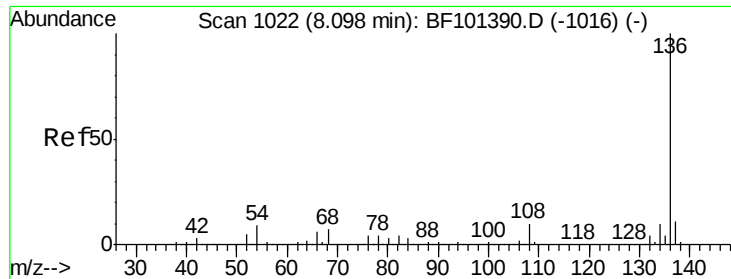
70 100

42 52.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

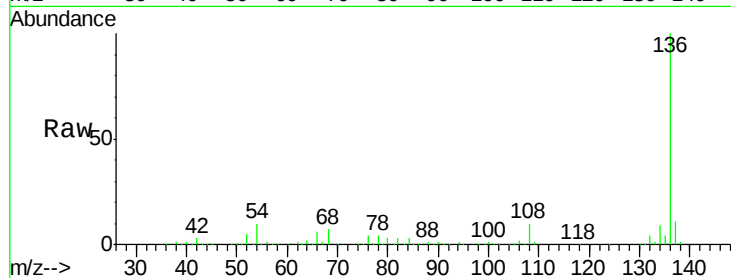




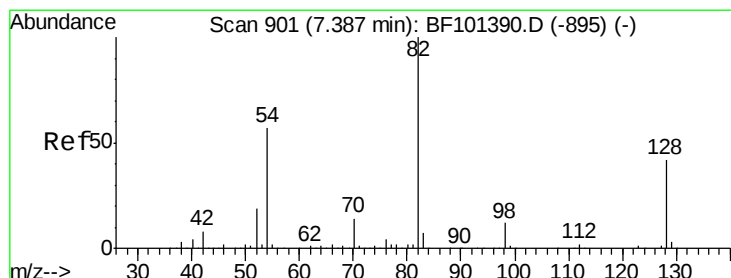
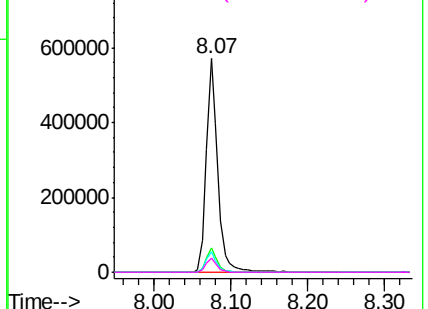
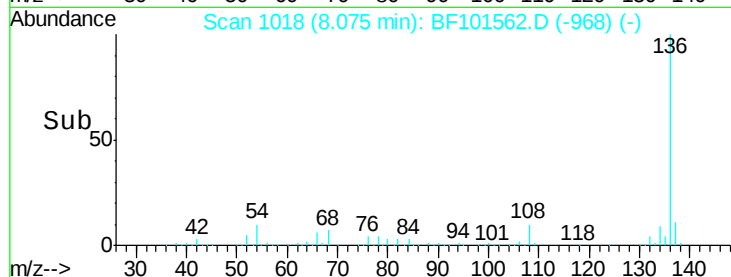
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF101562.D
Acq: 20 Dec 2017 12:47

Instrument :
BNA_F
ClientSampleId :
PB105158BL

Tgt Ion: 136 Resp: 588677
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.6 6.6 9.8
68 6.7 5.0 7.4

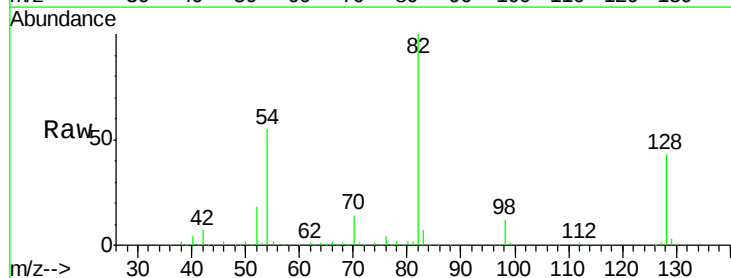


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

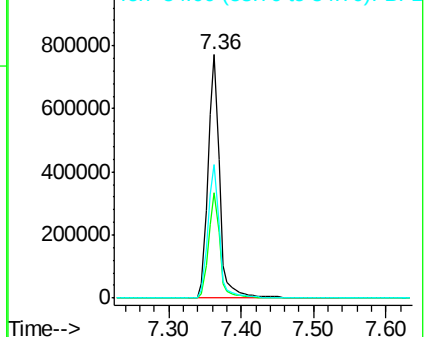
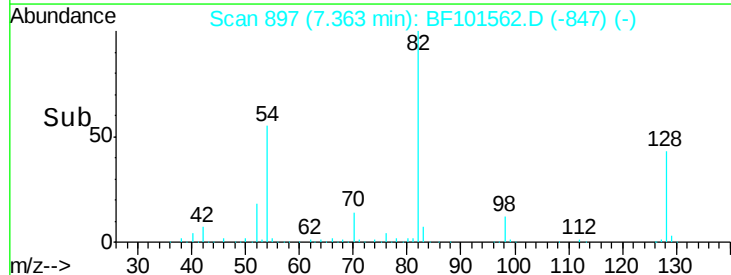


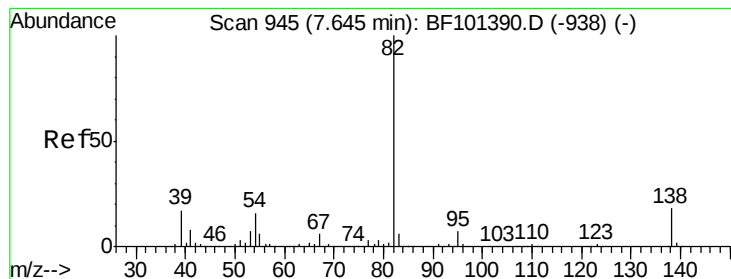
#23
Nitrobenzene-d5
Concen: 80.959 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF101562.D
Acq: 20 Dec 2017 12:47

Tgt Ion: 82 Resp: 856160
Ion Ratio Lower Upper
82 100
128 43.0 36.1 54.1
54 55.1 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: 40.357 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101562.D

Acq: 20 Dec 2017 12:47

Instrument :

BNA_F

ClientSampleId :

PB105158BL

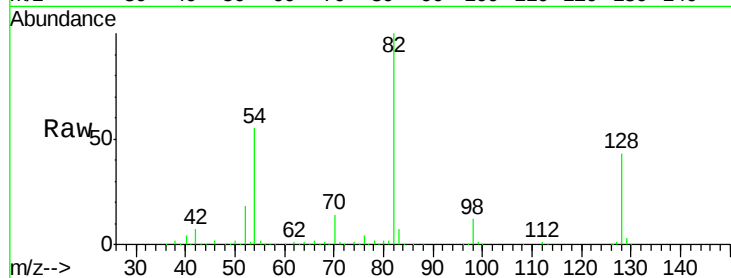
Tgt Ion: 82 Resp: 856154

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

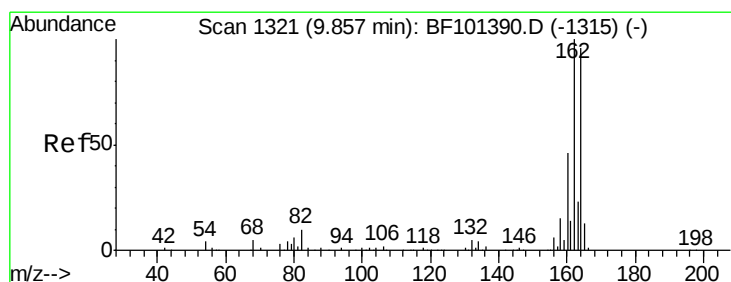
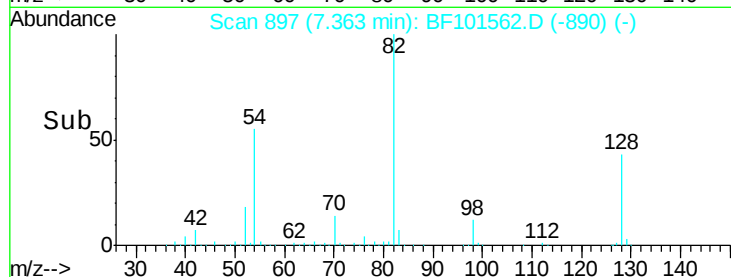
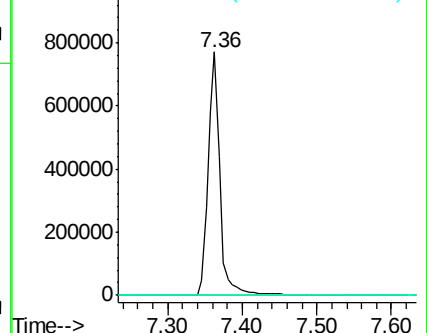
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF101562.D

Acq: 20 Dec 2017 12:47

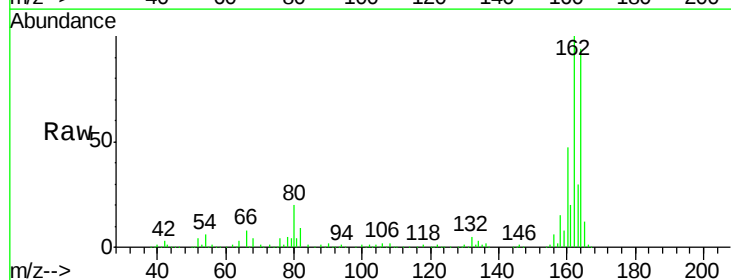
Tgt Ion: 164 Resp: 265483

Ion Ratio Lower Upper

164 100

162 106.0 86.1 129.1

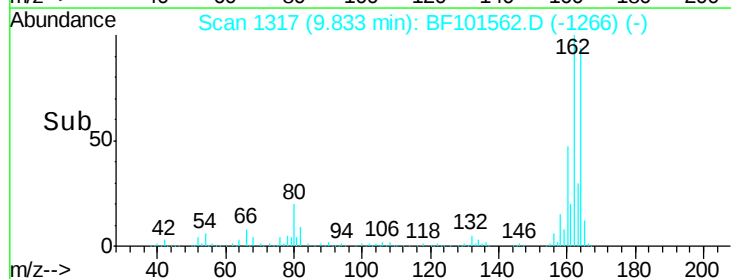
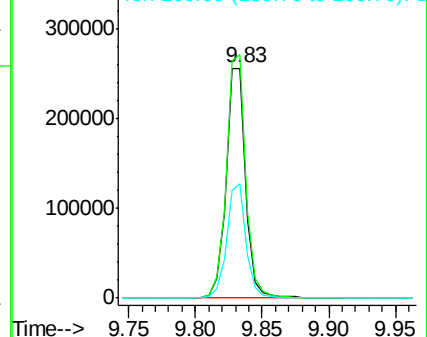
160 49.6 38.3 57.5

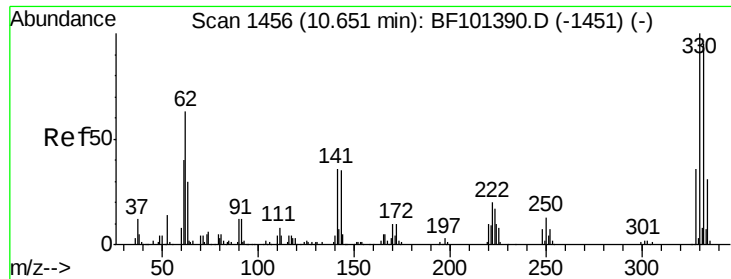


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

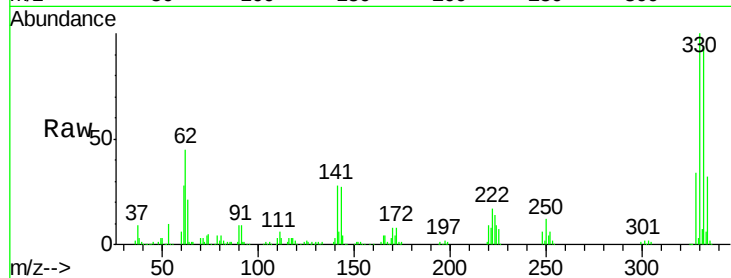




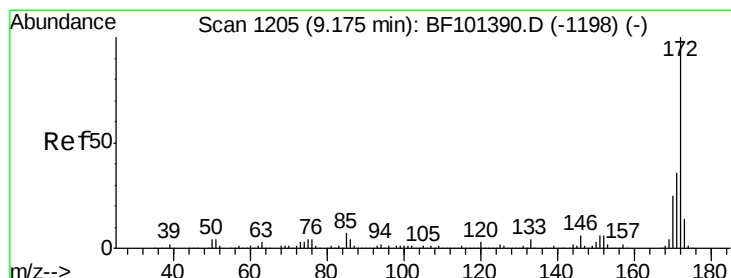
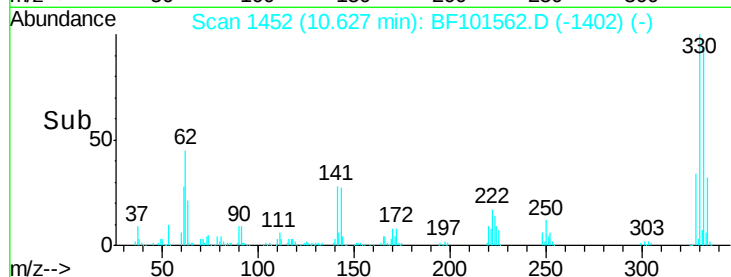
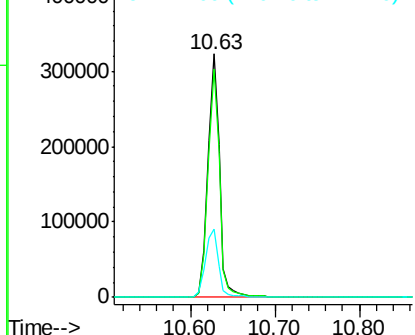
#41
 2,4,6-Tribromophenol
 Concen: 122.117 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101562.D
 Acq: 20 Dec 2017 12:47

Instrument :
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 PB105158BL

Tgt Ion:330 Resp: 312393
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.0 115.6
 141 31.3 29.9 44.9

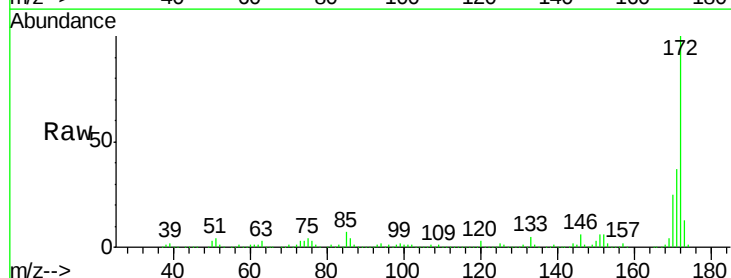


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

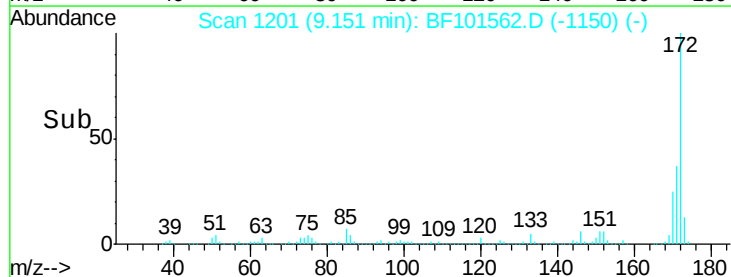
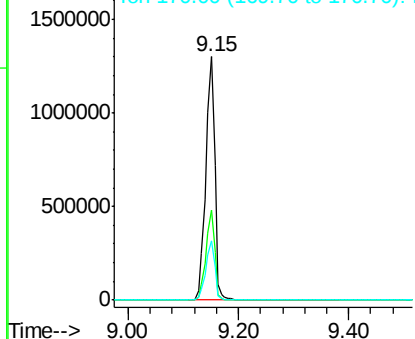


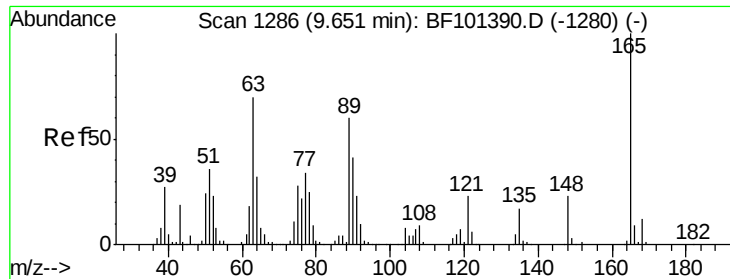
#44
 2-Fluorobiphenyl
 Concen: 83.320 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF101562.D
 Acq: 20 Dec 2017 12:47

Tgt Ion:172 Resp: 1425953
 Ion Ratio Lower Upper
 172 100
 171 36.9 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

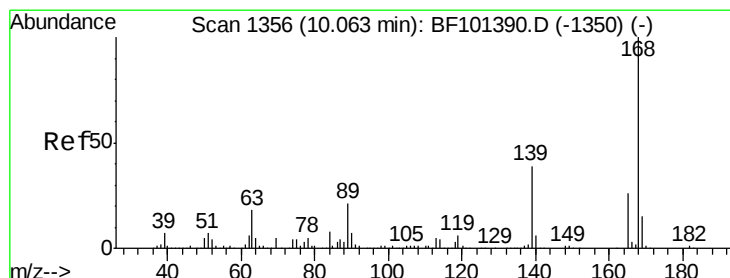
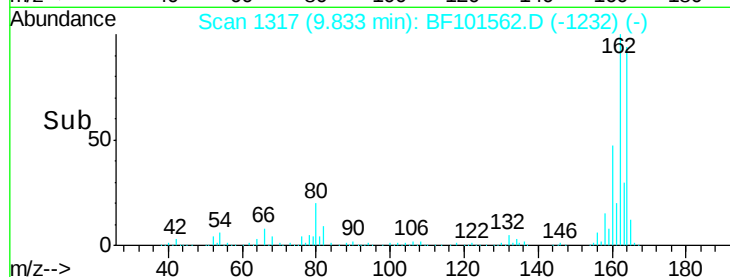
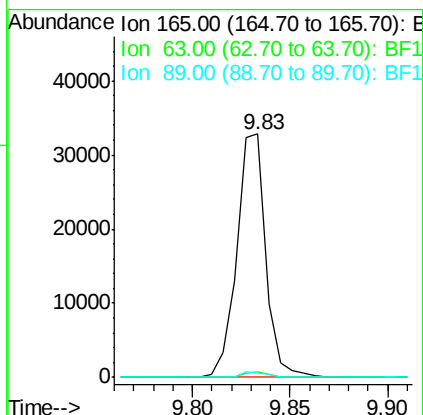
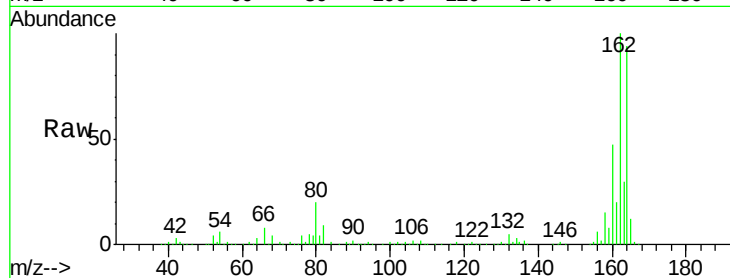




#50
 2,6-Dinitrotoluene
 Concen: 7.757 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.20 min
 Lab File: BF101562.D
 Acq: 20 Dec 2017 12:47

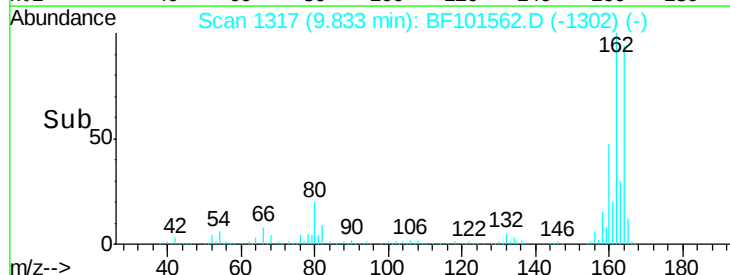
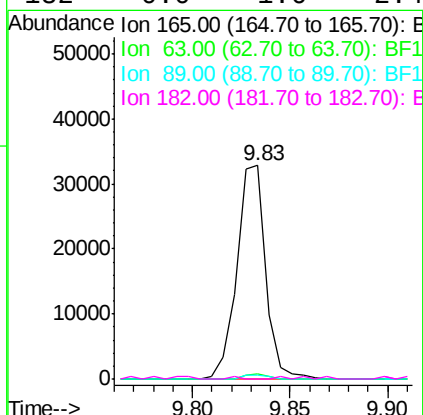
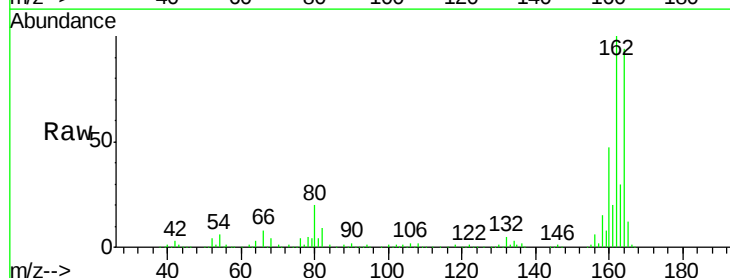
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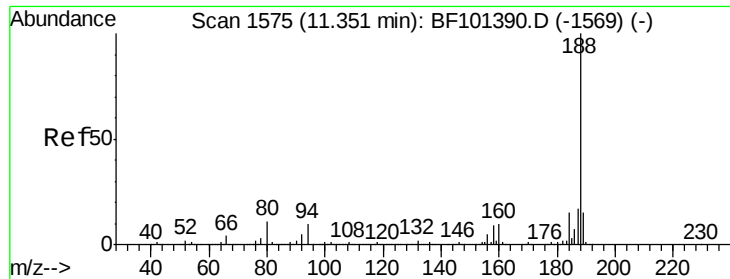
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.885 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF101562.D
 Acq: 20 Dec 2017 12:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

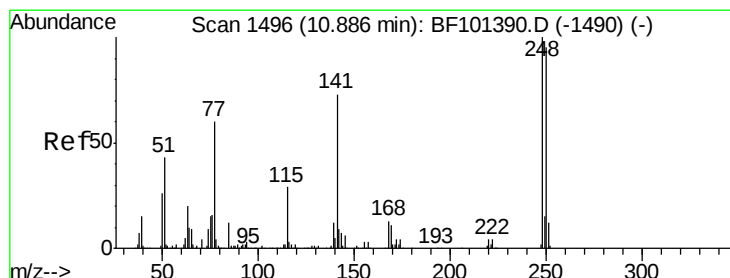
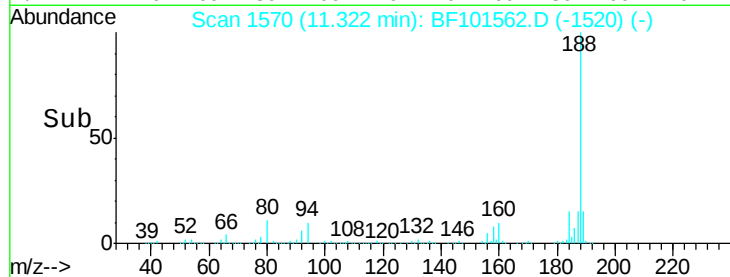
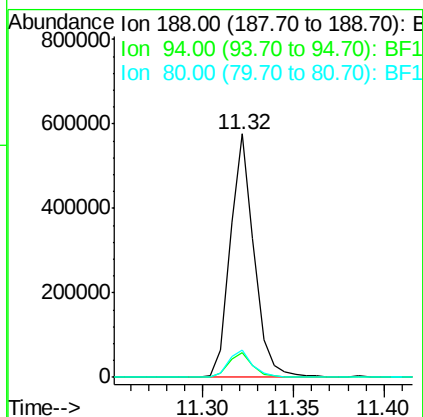
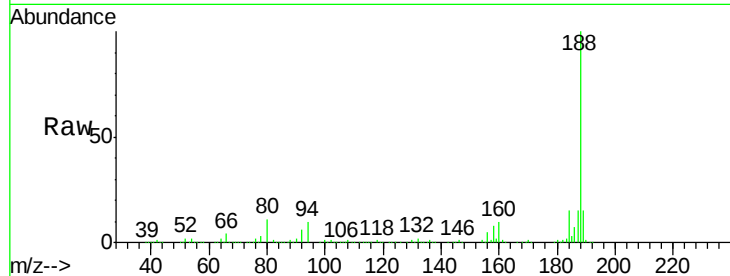




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101562.D
 Acq: 20 Dec 2017 12:47

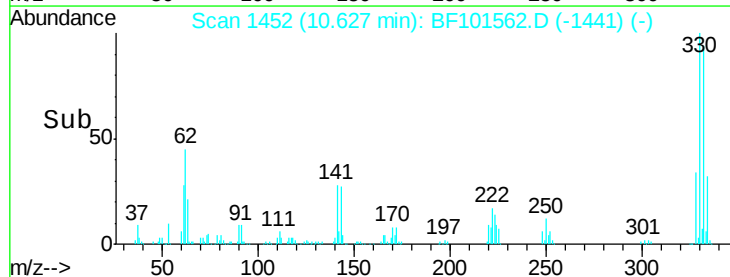
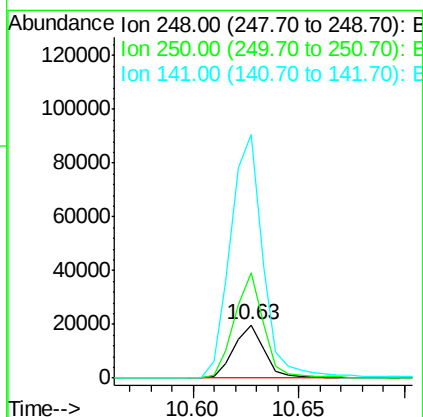
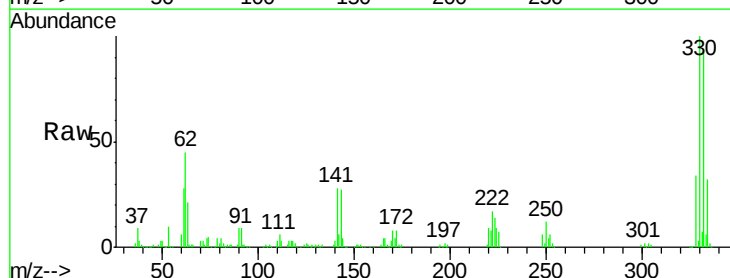
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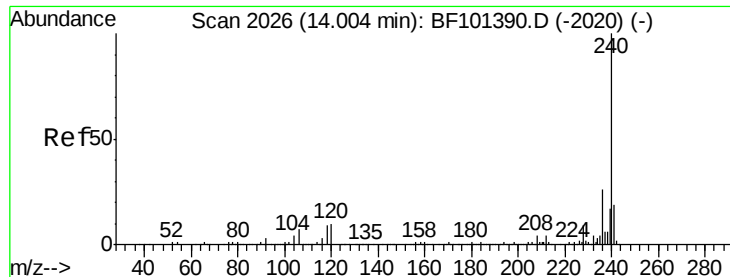
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.3	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.286 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101562.D
 Acq: 20 Dec 2017 12:47

Tgt Ion	Ratio	Lower	Upper
248	100		
250	196.5	76.9	115.3#
141	455.2	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: BF101562.D

Acq: 20 Dec 2017 12:47

Instrument :

BNA_F

ClientSampleId :

PB105158BL

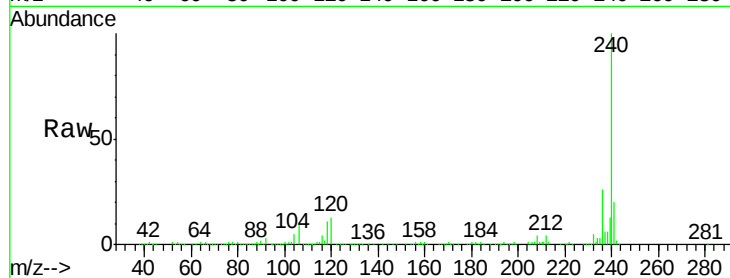
Tgt Ion:240 Resp: 392631

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

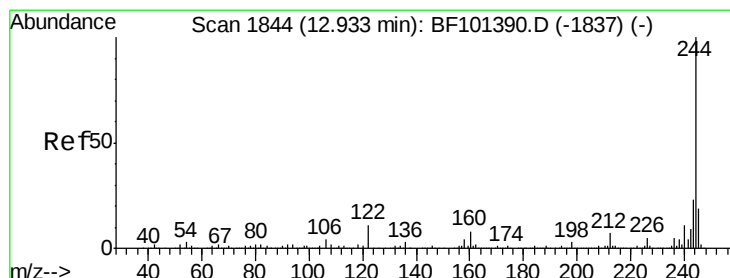
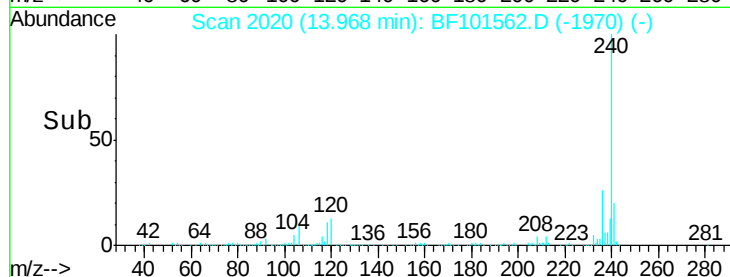
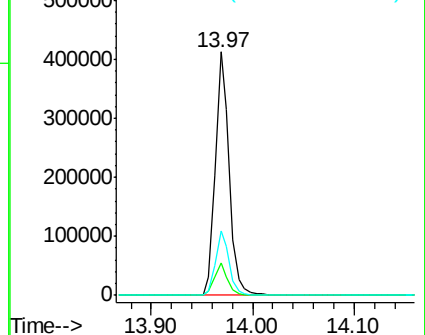
236 26.3 20.7 31.1



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: 85.788 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BF101562.D

Acq: 20 Dec 2017 12:47

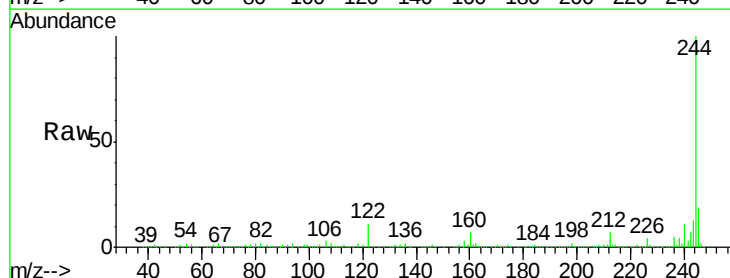
Tgt Ion:244 Resp: 1397183

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

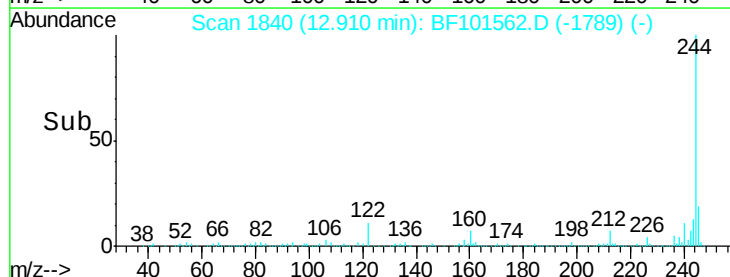
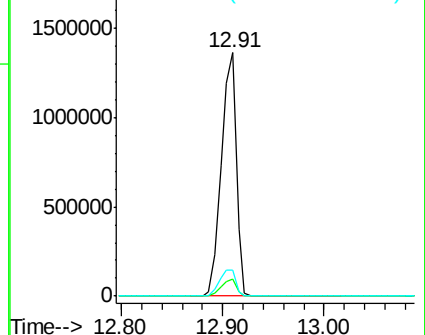
122 10.5 11.0 16.4#

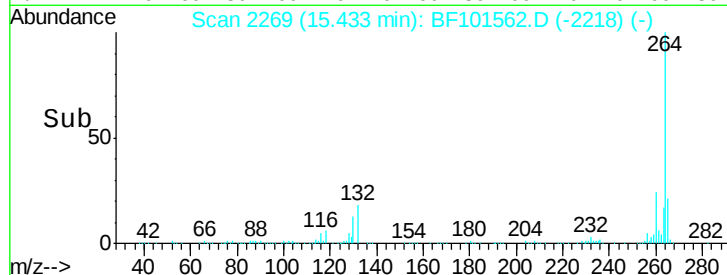
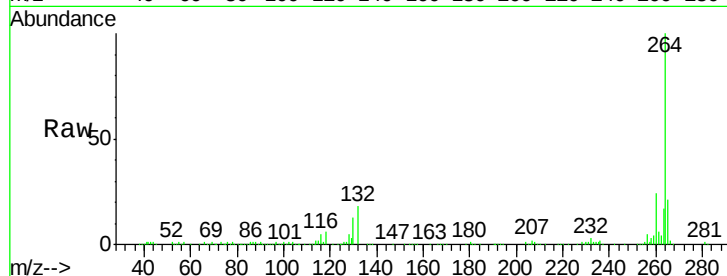
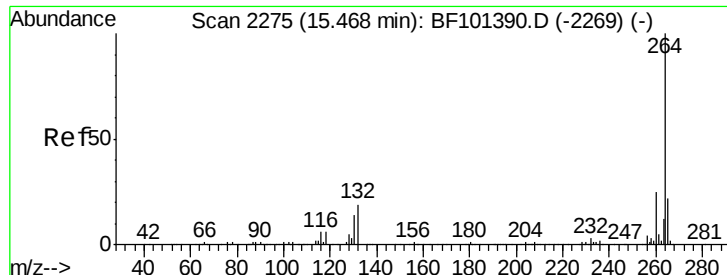


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101562.D
Acq: 20 Dec 2017 12:47

Instrument :
BNA_F
ClientSampleId :
PB105158BL

Tgt Ion:	264	Resp:	280993
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	20.7	17.5	26.3

