

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101280.D
 Acq On : 11 Dec 2017 11:07
 Operator : SJ/JU
 Sample : PB104879BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 12:19:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

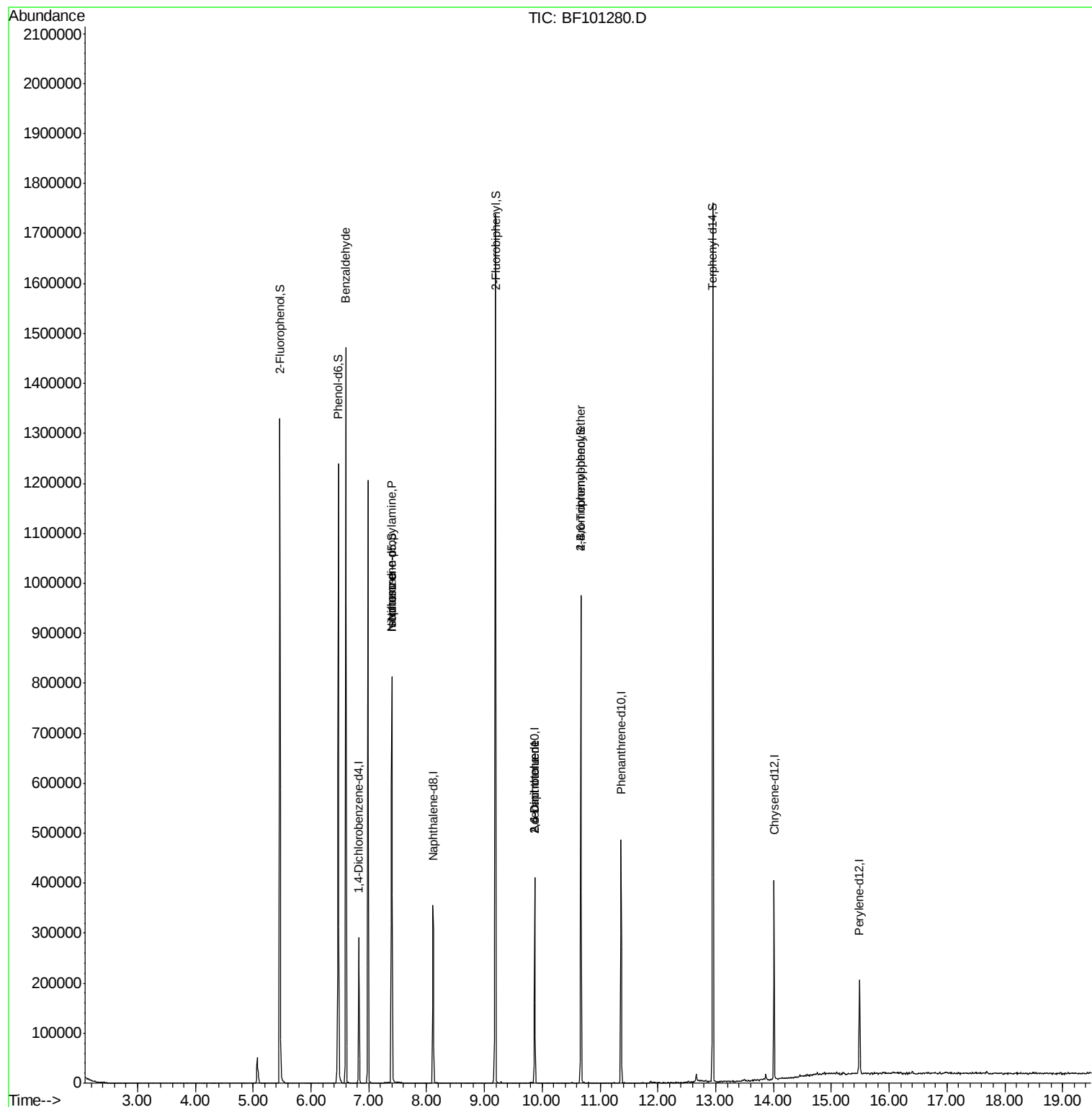
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	43706	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	175060	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	86028	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	172109	20.00	ng	0.00
75) Chrysene-d12	14.01	240	132810	20.00	ng	0.00
86) Perylene-d12	15.49	264	95732	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	369817	139.82	ng	0.02
7) Phenol-d6	6.47	99	438300	136.49	ng	0.01
23) Nitrobenzene-d5	7.40	82	272845	92.97	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	115892	112.14	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	612322	97.38	ng	0.00
78) Terphenyl-d14	12.95	244	661228	108.90	ng	0.01
Target Compounds						
9) Benzaldehyde	6.60	77	8066	4.104	ng	84
19) n-Nitroso-di-n-propylamine	7.40	70	36617	16.932	ng	# 82
25) Isophorone	7.40	82	272882	54.438	ng	# 64
50) 2,6-Dinitrotoluene	9.87	165	10814	7.400	ng	# 25
56) 2,4-Dinitrotoluene	9.87	165	10814	5.522	ng	# 23
66) 4-Bromophenyl-phenylether	10.67	248	7911	4.106	ng	# 1

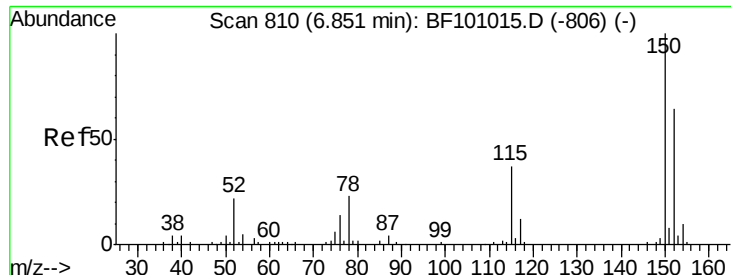
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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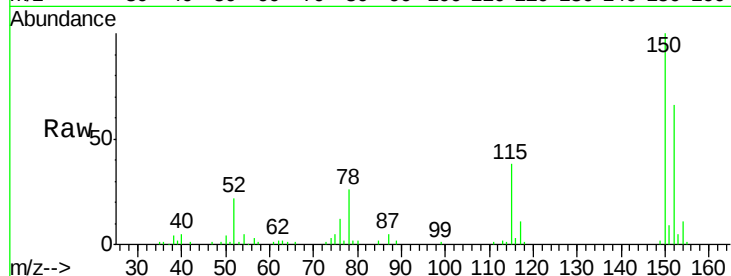


#1

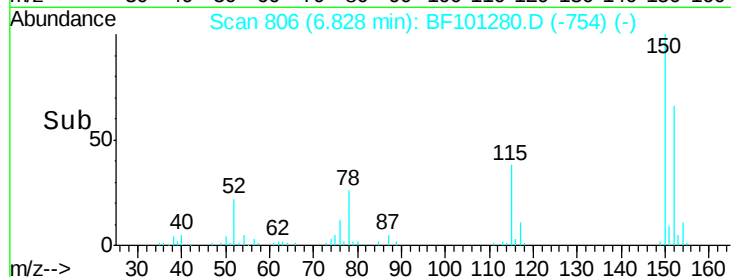
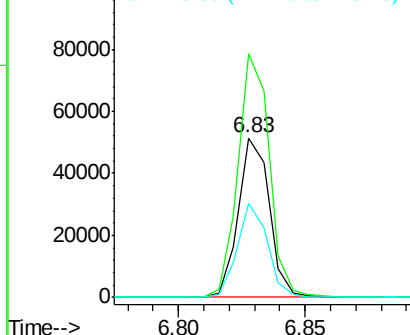
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: BF101280.D
 Acq: 11 Dec 2017 11:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	58.7	50.1	75.1



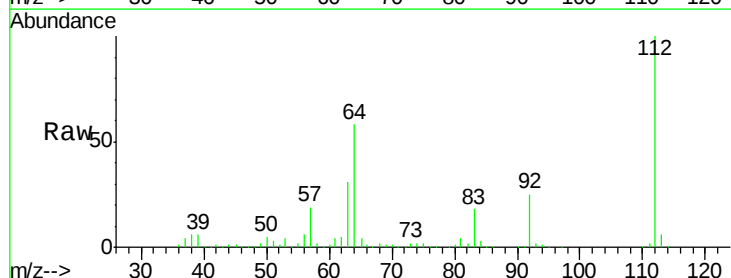
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



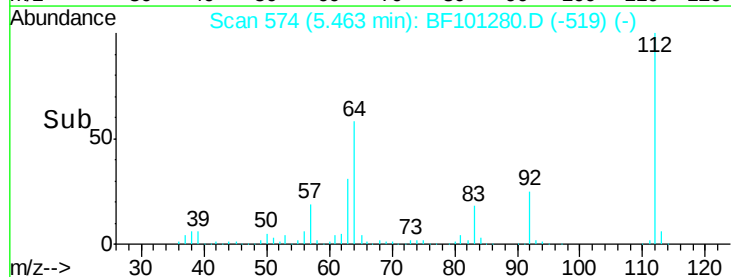
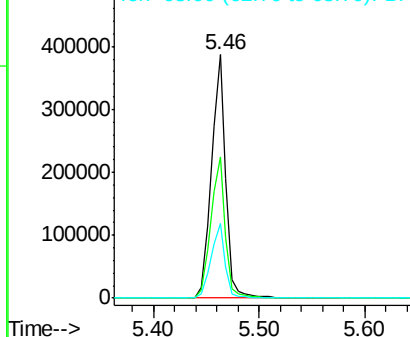
#5

2-Fluorophenol
 Concen: 139.821 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.02 min
 Lab File: BF101280.D
 Acq: 11 Dec 2017 11:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.9	71.9
63	30.8	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: 136.491 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101280.D

Acq: 11 Dec 2017 11:07

Instrument :

BNA_F

ClientSampled :

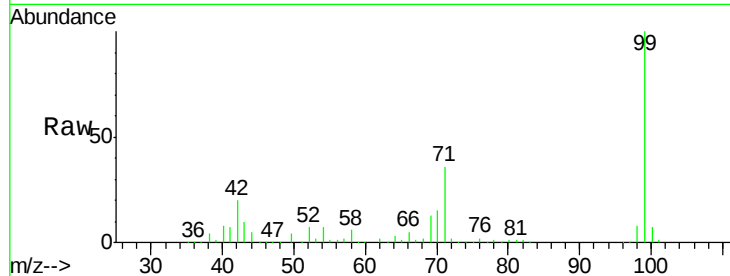
Tot Ion: 99 Resp: 438300

Ion Ratio Lower Upper

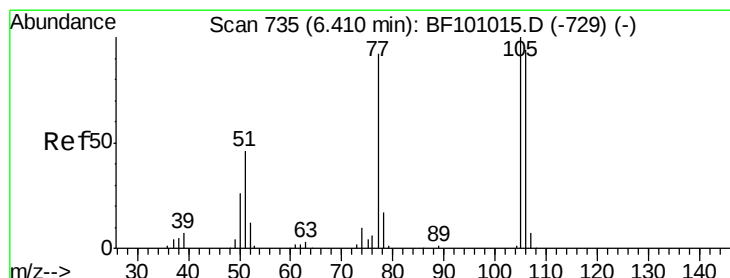
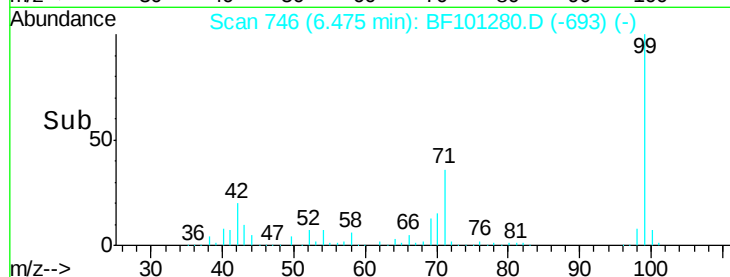
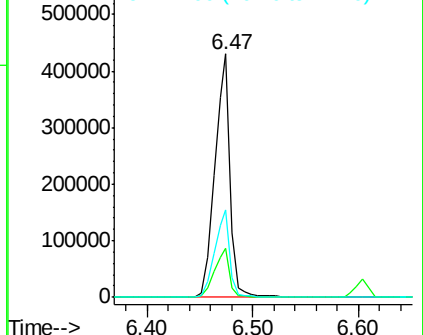
99 100

42 20.1 14.5 21.7

71 35.7 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



#9

Benzaldehyde

Concen: 4.104 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF101280.D

Acq: 11 Dec 2017 11:07

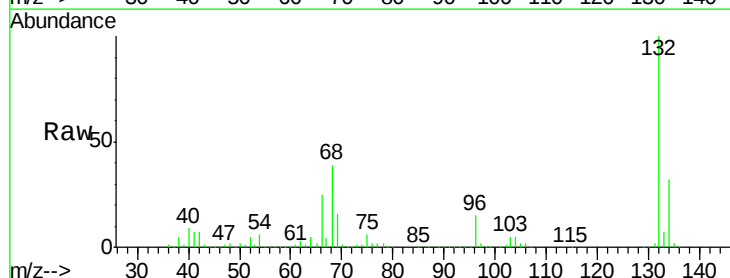
Tgt Ion: 77 Resp: 8066

Ion Ratio Lower Upper

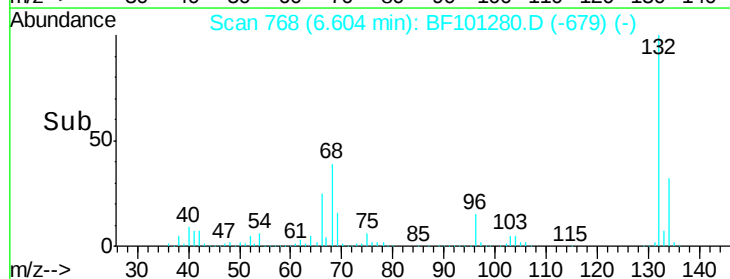
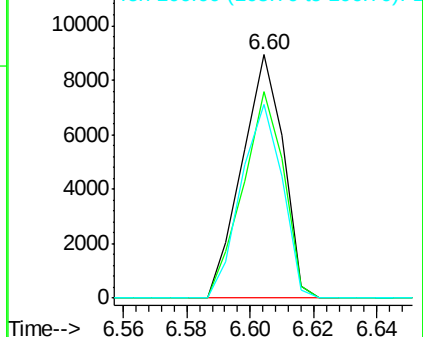
77 100

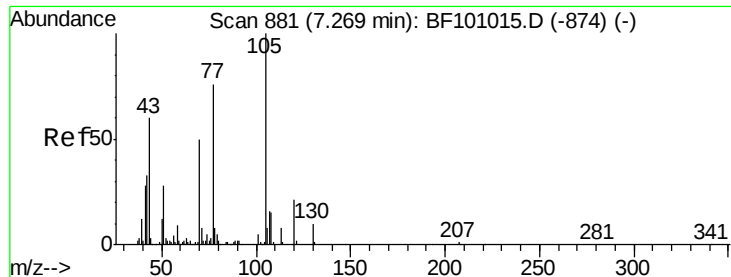
105 84.9 81.1 121.1

106 79.7 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 16.932 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.16 min

Lab File: BF101280.D

Acq: 11 Dec 2017 11:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 36617

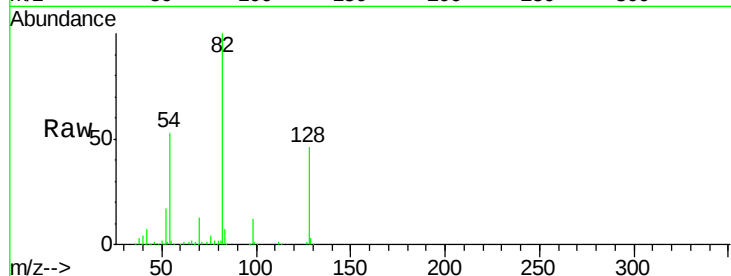
Ion Ratio Lower Upper

70 100

42 53.2 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

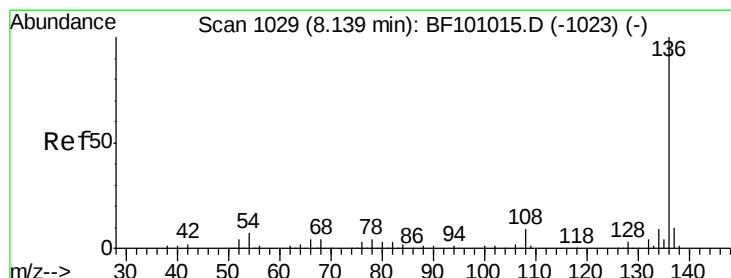
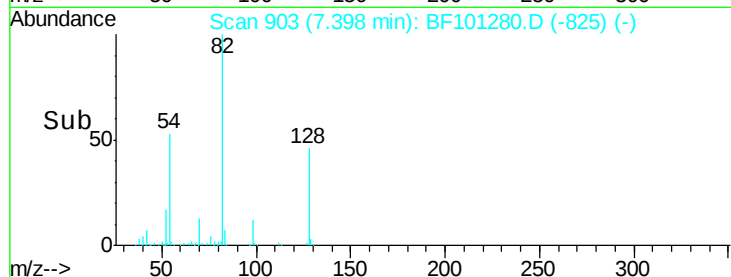
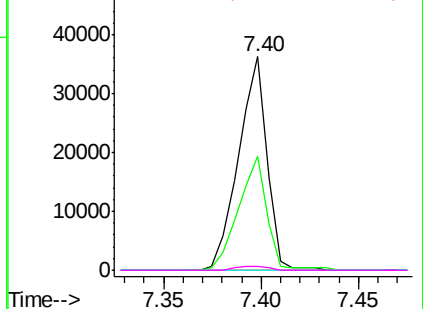


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF101280.D

Acq: 11 Dec 2017 11:07

Tgt Ion: 136 Resp: 175060

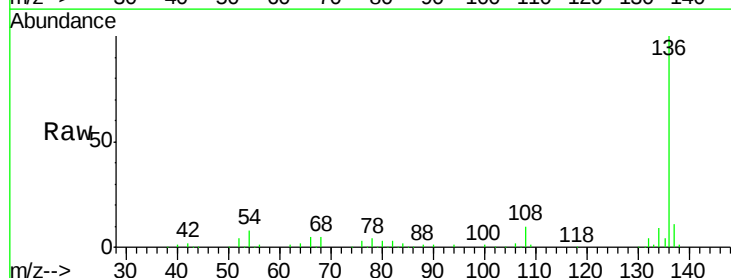
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.0 6.6 9.8

68 4.6 5.0 7.4#

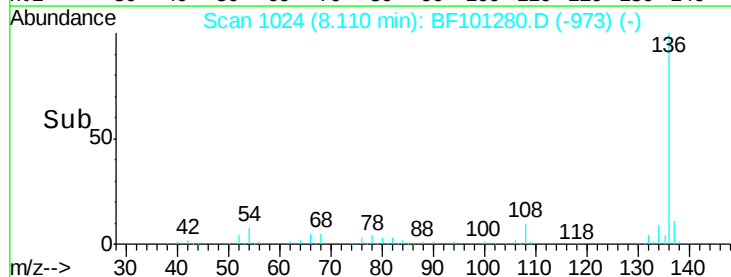
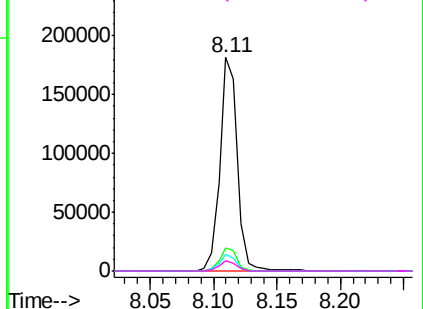


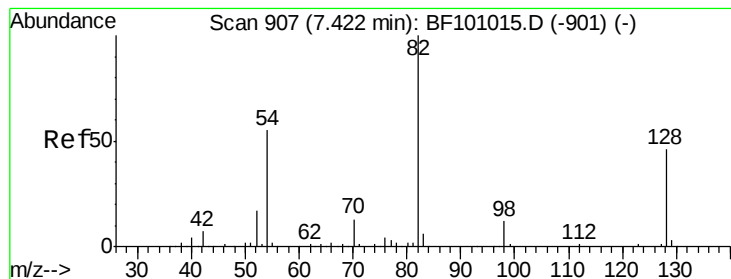
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 92.974 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.00 min

Lab File: BF101280.D

Acq: 11 Dec 2017 11:07

Instrument :

BNA_F

ClientSampled :

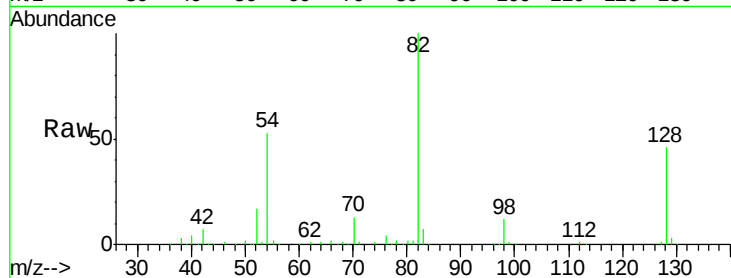
Tot Ion: 82 Resp: 272845

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

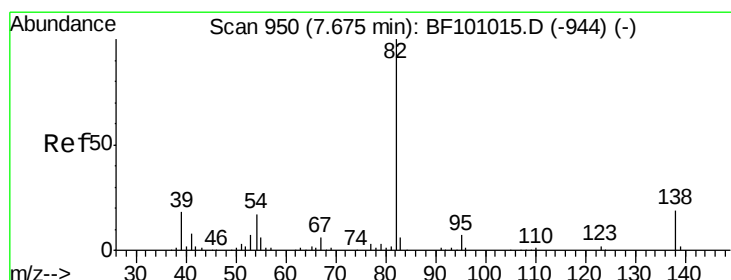
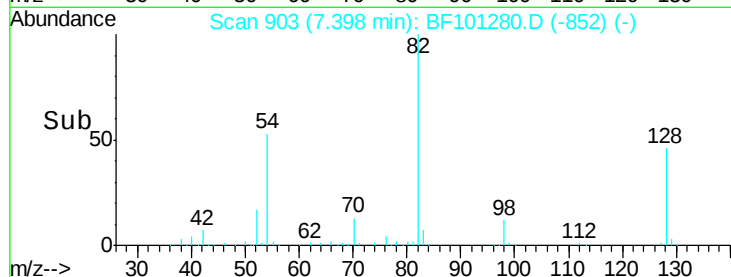
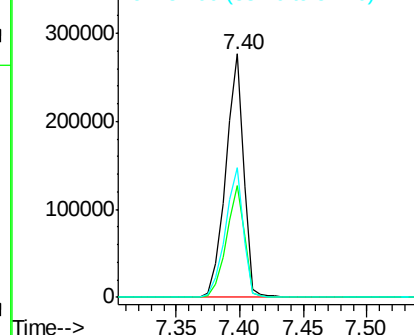
54 53.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 54.438 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.25 min

Lab File: BF101280.D

Acq: 11 Dec 2017 11:07

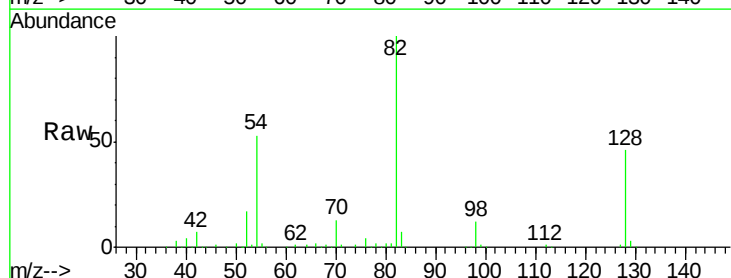
Tgt Ion: 82 Resp: 272882

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

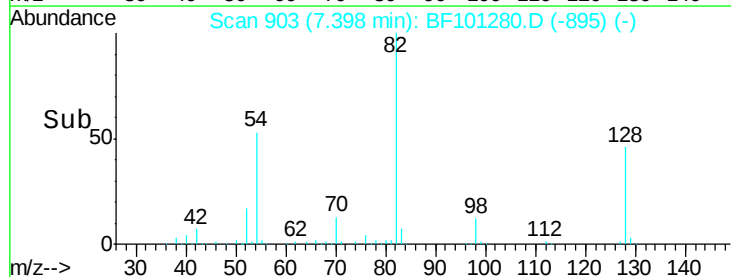
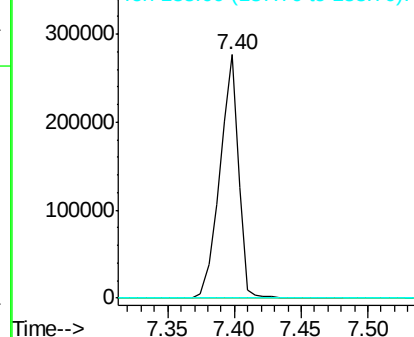
138 0.0 14.9 22.3#

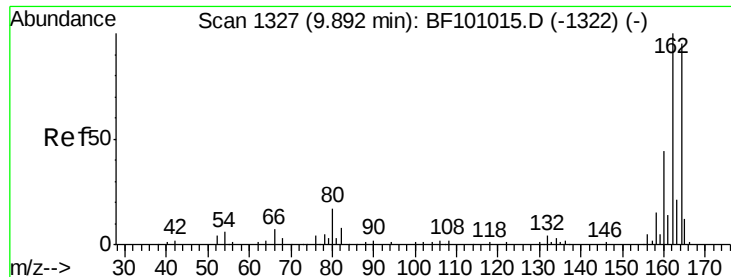


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

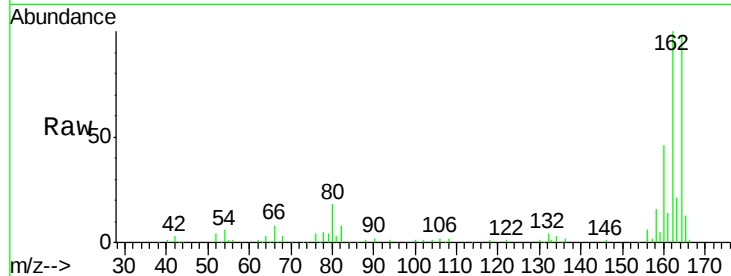




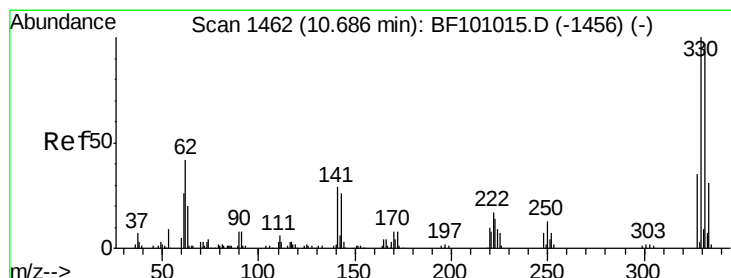
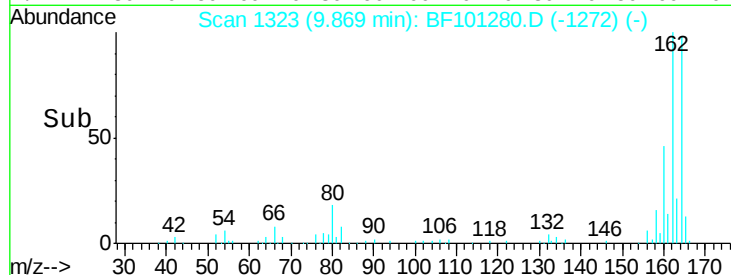
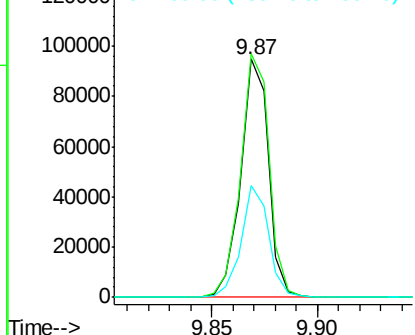
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: BF101280.D
 Acq: 11 Dec 2017 11:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 86028
 Ion Ratio Lower Upper
 164 100
 162 102.1 86.1 129.1
 160 46.6 38.3 57.5

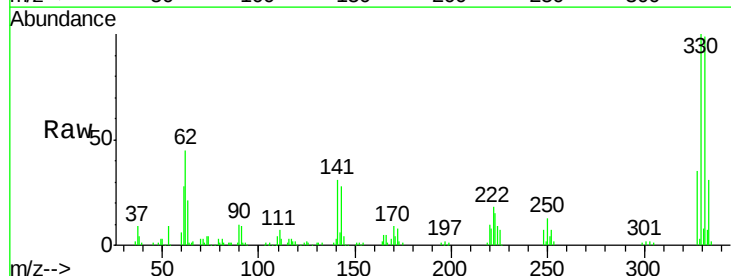


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

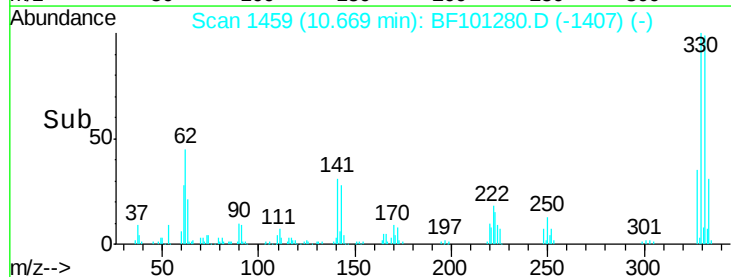
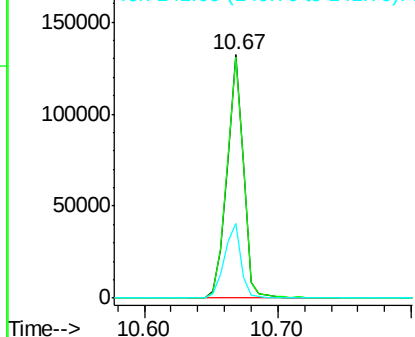


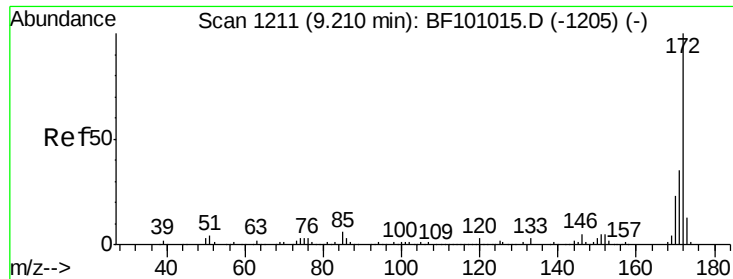
#41
 2,4,6-Tribromophenol
 Concen: 112.142 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: BF101280.D
 Acq: 11 Dec 2017 11:07

Tgt Ion:330 Resp: 115892
 Ion Ratio Lower Upper
 330 100
 332 99.6 77.0 115.6
 141 30.6 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

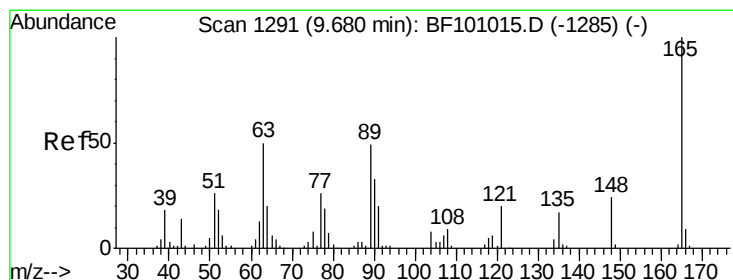
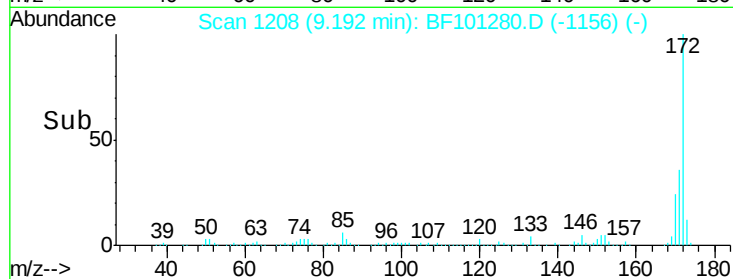
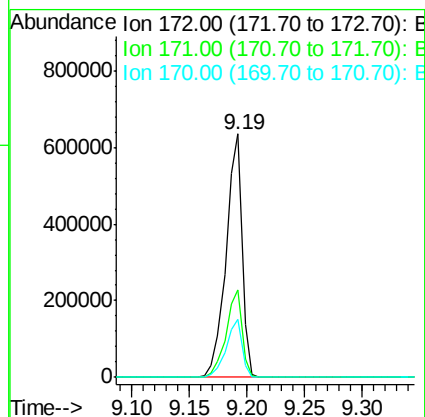
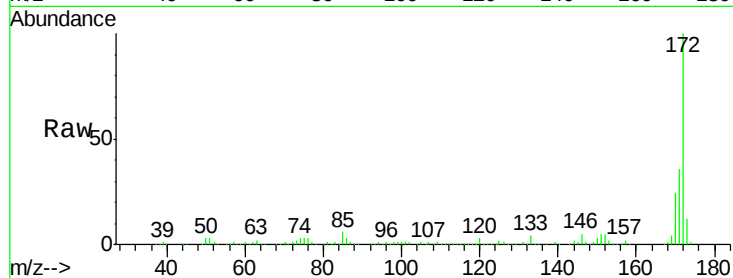




#44
 2-Fluorobiphenyl
 Concen: 97.384 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BF101280.D
 Acq: 11 Dec 2017 11:07

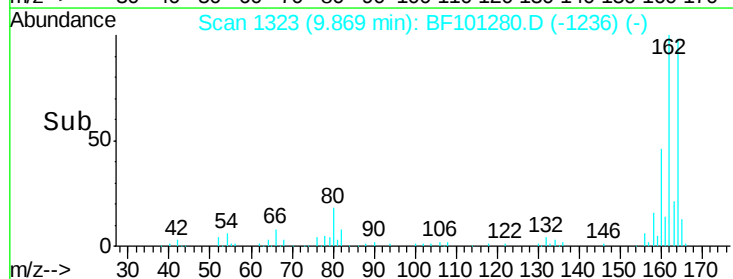
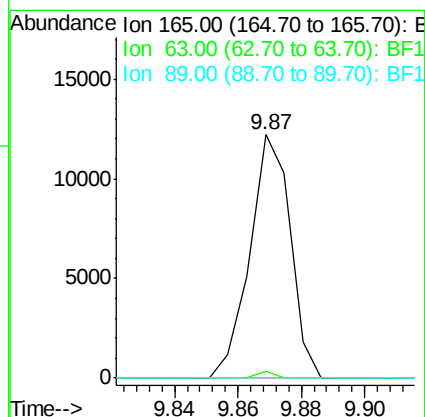
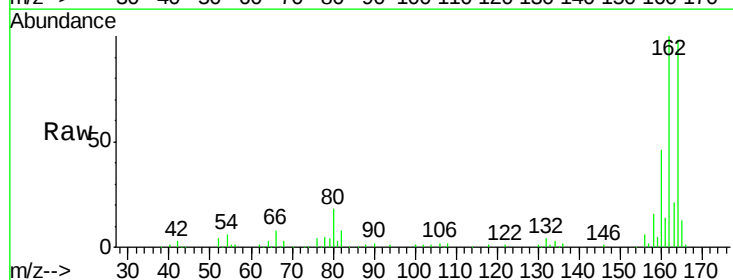
Instrument :
 BNA_F
 ClientSampleId :

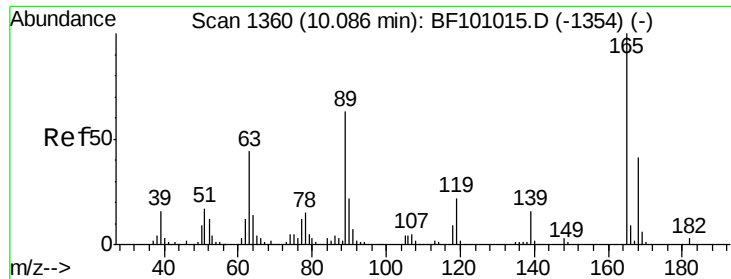
Tot Ion:172 Resp: 612322
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.7 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.400 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF101280.D
 Acq: 11 Dec 2017 11:07

Tgt Ion:165 Resp: 10814
 Ion Ratio Lower Upper
 165 100
 63 2.7 44.7 67.1#
 89 0.0 44.0 66.0#

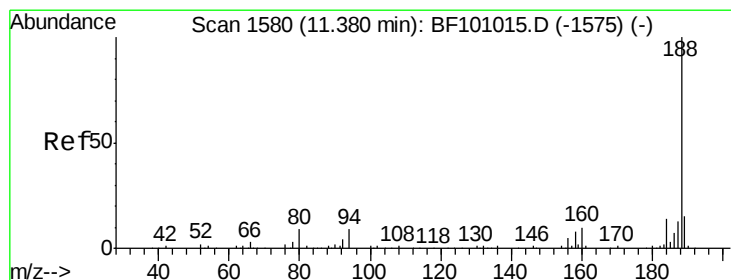
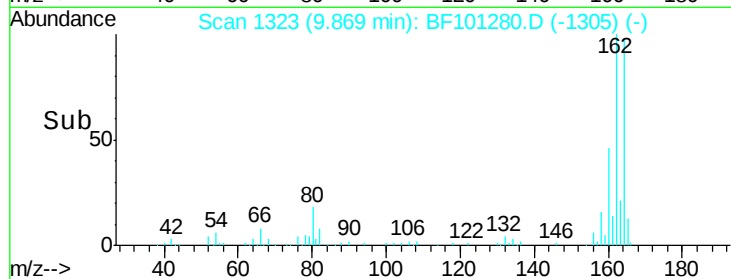
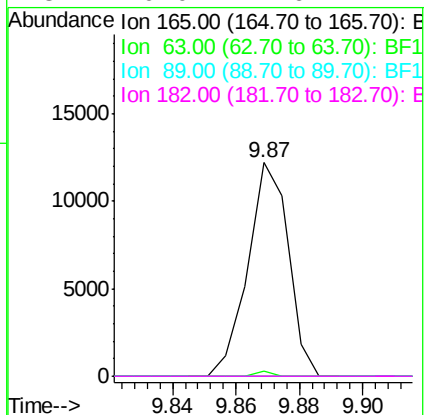
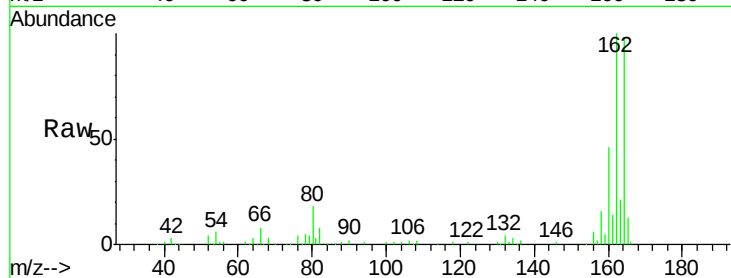




#56
2,4-Dinitrotoluene
Concen: 5.522 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.19 min
Lab File: BF101280.D
Acq: 11 Dec 2017 11:07

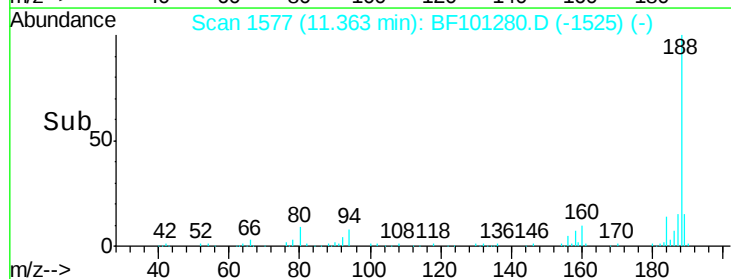
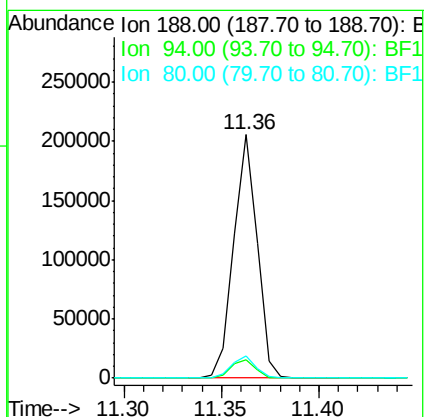
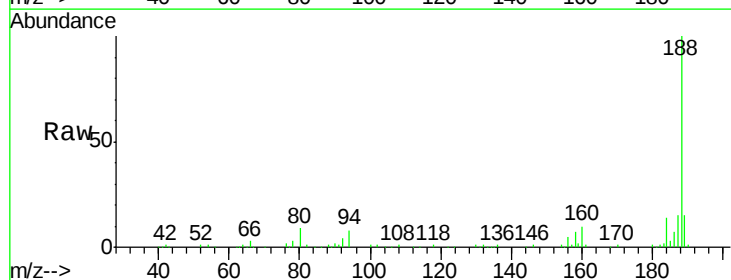
Instrument :
BNA_F
ClientSampleId :

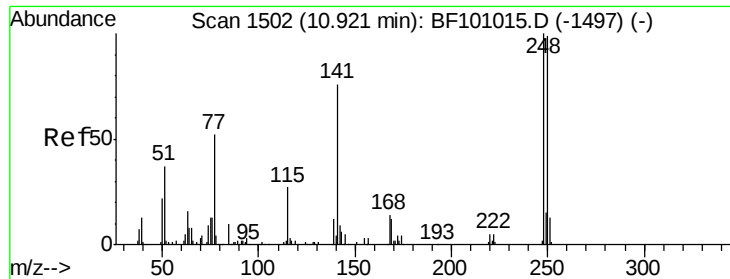
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101280.D
Acq: 11 Dec 2017 11:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	9.2	9.2	13.8

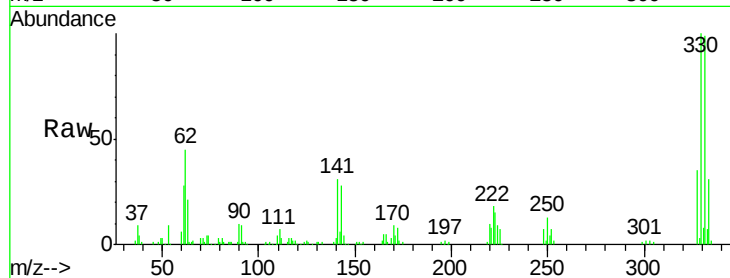




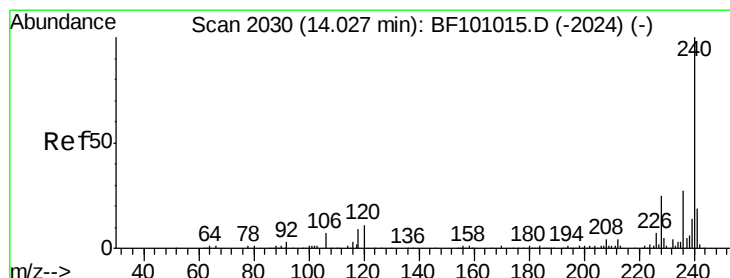
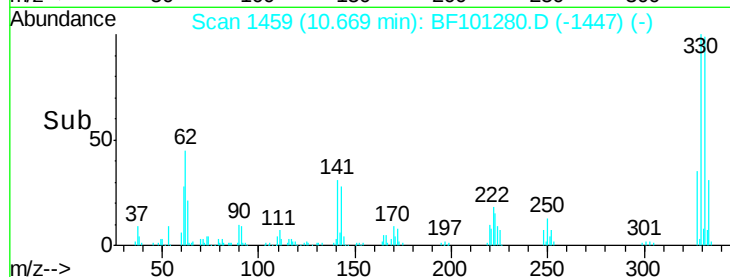
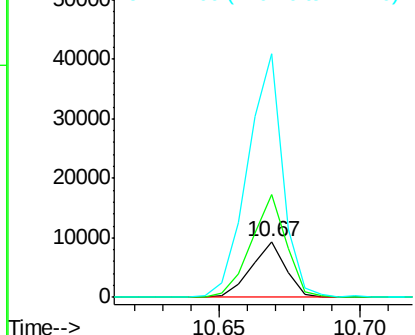
#66
4-Bromophenyl-phenylether
Concen: 4.106 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.23 min
Lab File: BF101280.D
Acq: 11 Dec 2017 11:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 7911
Ion Ratio Lower Upper
248 100
250 183.3 76.9 115.3#
141 434.4 74.4 111.6#

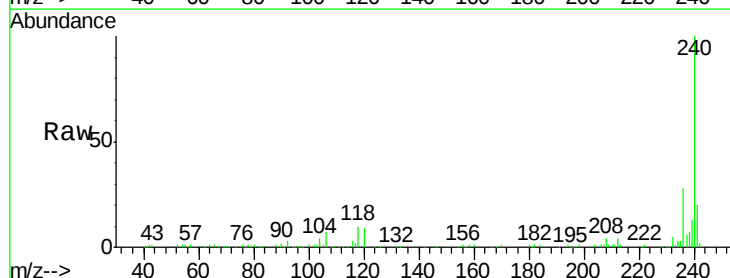


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

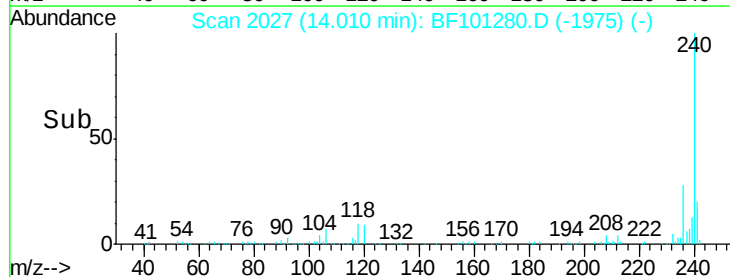
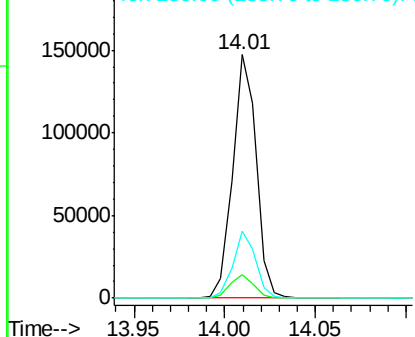


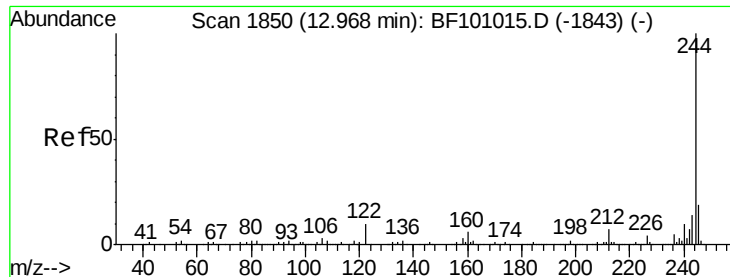
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF101280.D
Acq: 11 Dec 2017 11:07

Tgt Ion:240 Resp: 132810
Ion Ratio Lower Upper
240 100
120 9.5 9.5 14.3#
236 27.6 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: 108.898 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BF101280.D

Acq: 11 Dec 2017 11:07

Instrument :

BNA_F

ClientSampleId :

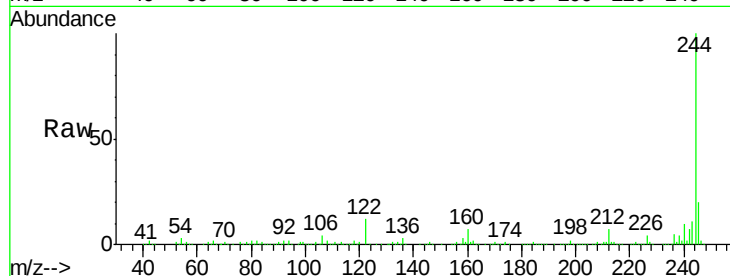
Tot Ion:244 Resp: 661228

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

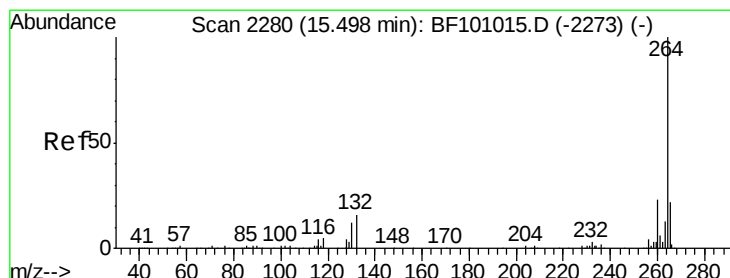
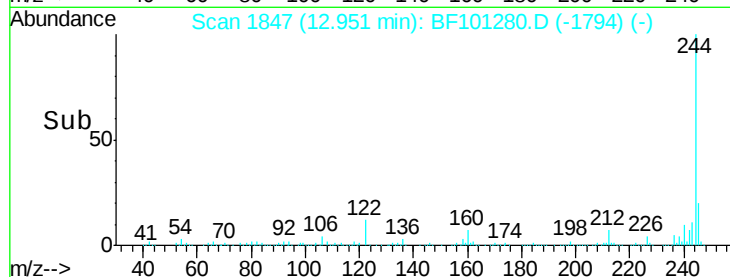
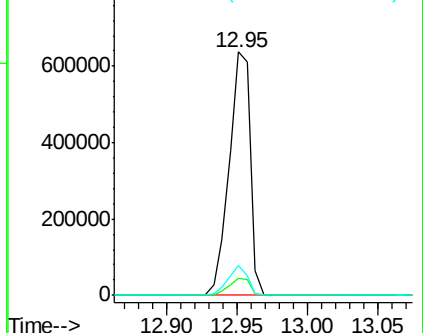
122 12.2 11.0 16.4



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: 15.49 min Scan# 2278

Delta R.T. 0.02 min

Lab File: BF101280.D

Acq: 11 Dec 2017 11:07

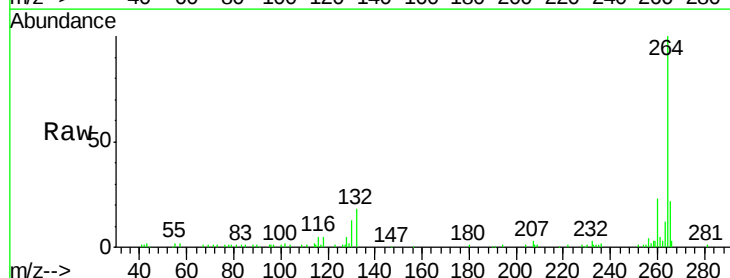
Tgt Ion:264 Resp: 95732

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

