

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121317\
 Data File : BF101380.D
 Acq On : 13 Dec 2017 22:55
 Operator : SJ/JU
 Sample : I6816-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 01:09:36 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

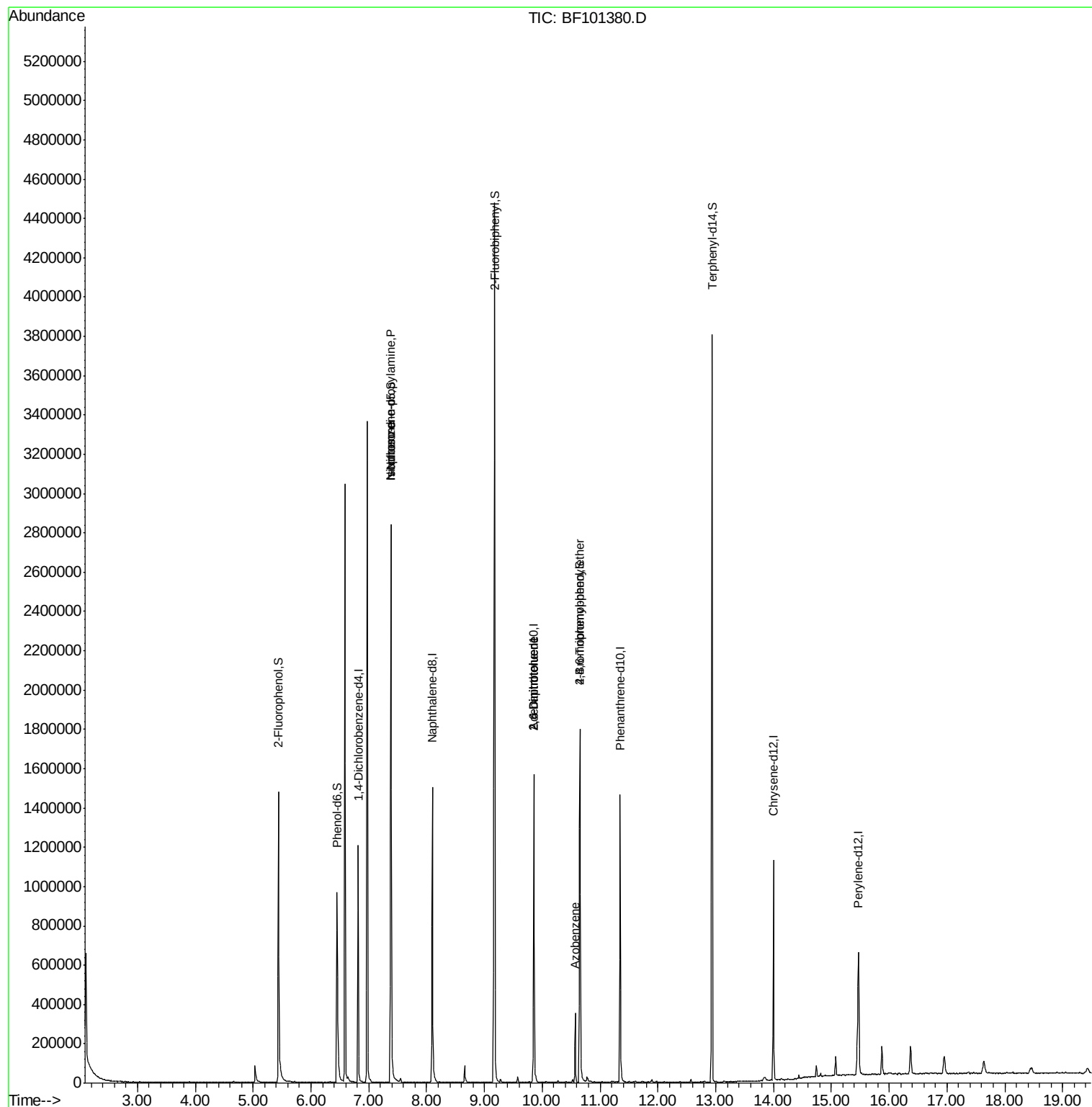
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	174291	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	708549	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	313642	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	568712	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	378468	20.00	ng	0.00
86) Perylene-d12	15.47	264	307764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	513024	48.64	ng	0.00
7) Phenol-d6	6.45	99	399184	31.17	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1062866	89.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	213578	56.69	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	1731459	75.53	ng	-0.01
78) Terphenyl-d14	12.94	244	1488101	86.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	144019	16.700	ng	# 83
25) Isophorone	7.39	82	1062860	52.387	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	39699	7.452	ng	# 26
56) 2,4-Dinitrotoluene	9.86	165	39699	5.560	ng	# 24
62) Azobenzene	10.57	77	60997	2.881	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	13937	2.189	ng	# 1

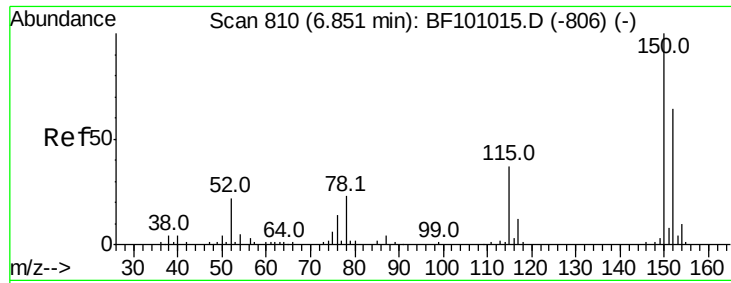
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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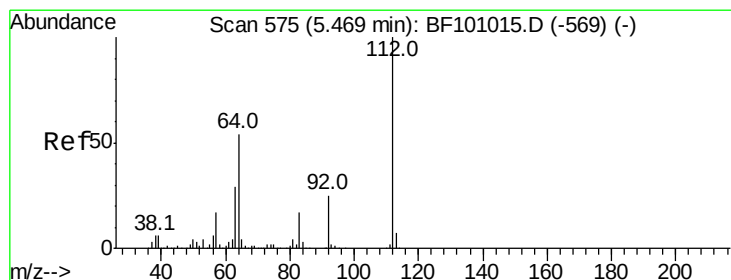
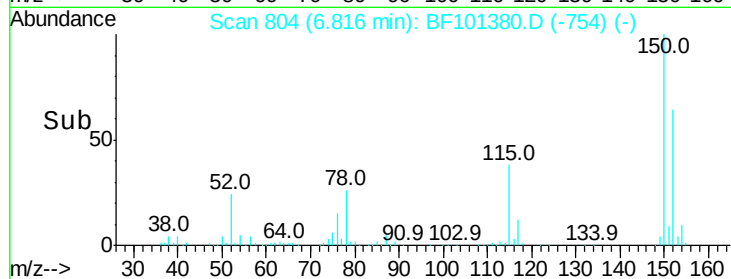
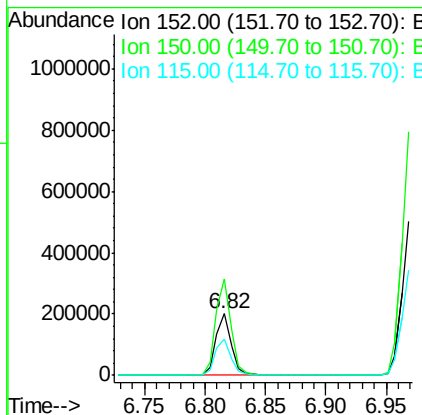
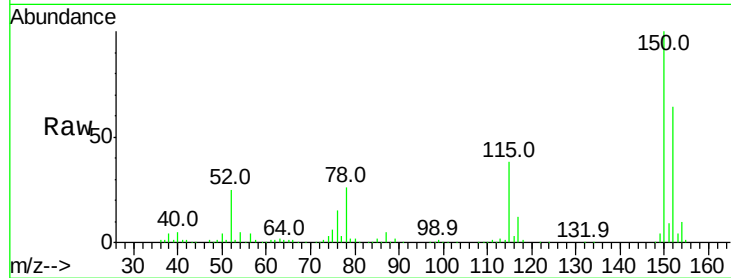


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF101380.D
Acq: 13 Dec 2017 22:55

Instrument :
BNA_F
ClientSampleId :

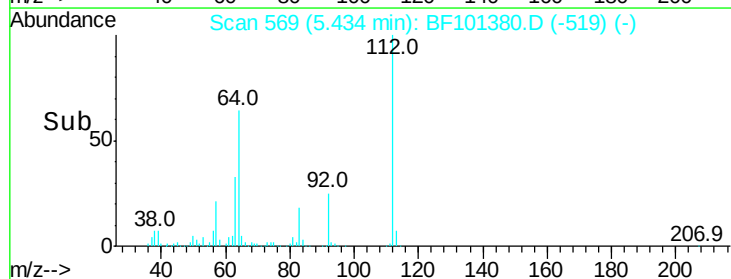
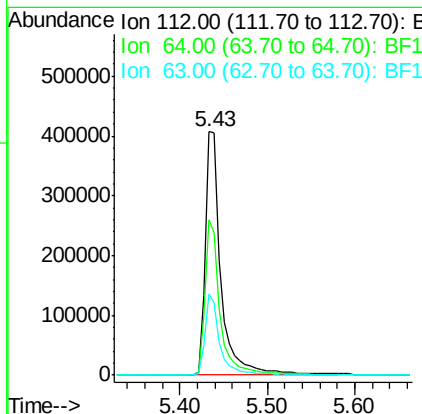
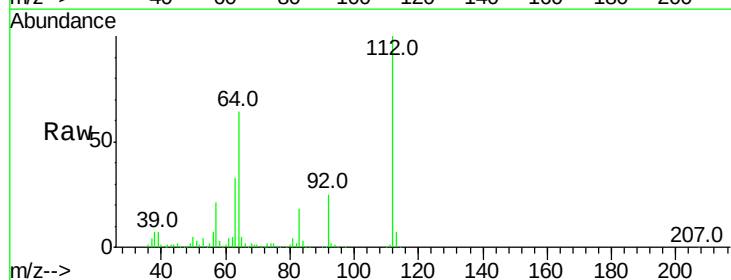
Tot Ion:152 Resp: 174291
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 59.7 50.1 75.1

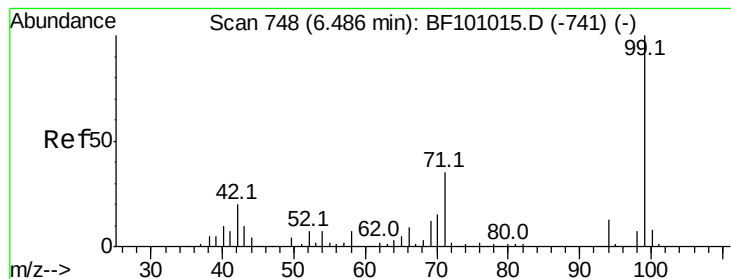


#5

2-Fluorophenol
Concen: 48.640 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF101380.D
Acq: 13 Dec 2017 22:55

Tgt Ion:112 Resp: 513024
Ion Ratio Lower Upper
112 100
64 64.0 47.9 71.9
63 33.2 23.7 35.5





#7

Phenol-d6

Concen: 31.172 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101380.D

Acq: 13 Dec 2017 22:55

Instrument :

BNA_F

ClientSampleId :

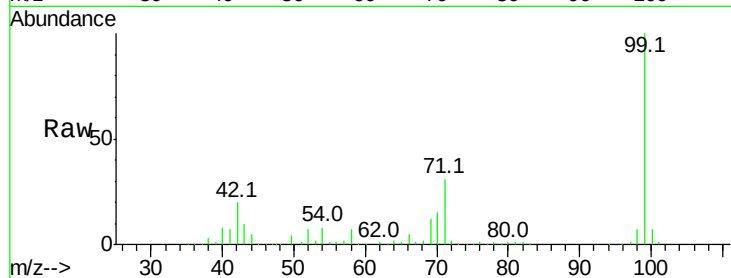
Tot Ion: 99 Resp: 399184

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

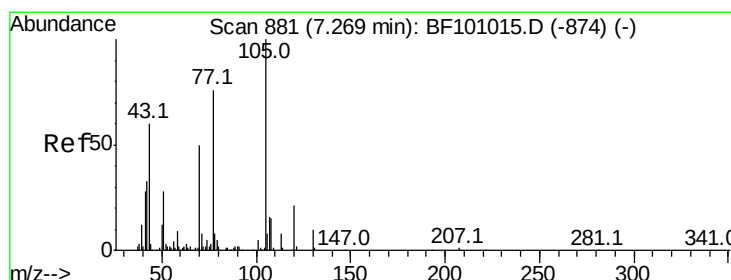
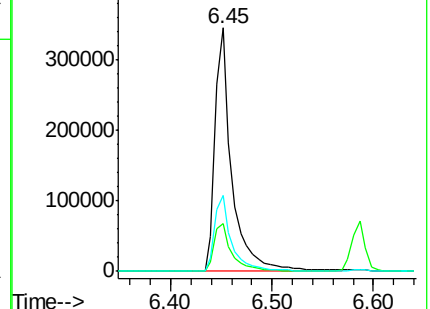
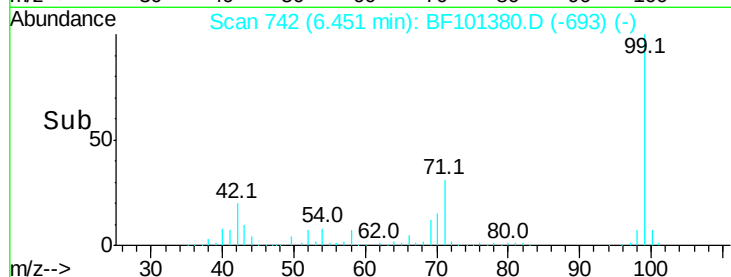
71 31.1 25.4 38.0



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: 16.700 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101380.D

Acq: 13 Dec 2017 22:55

Tgt Ion: 70 Resp: 144019

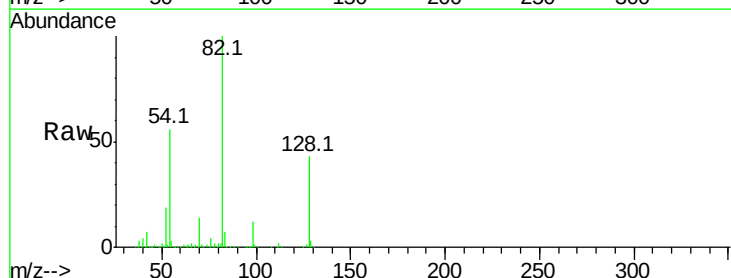
Ion Ratio Lower Upper

70 100

42 54.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

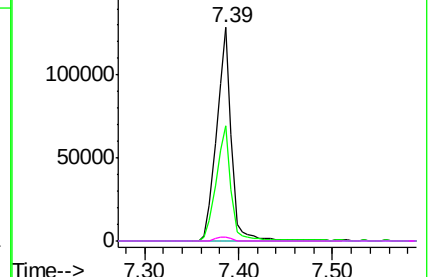
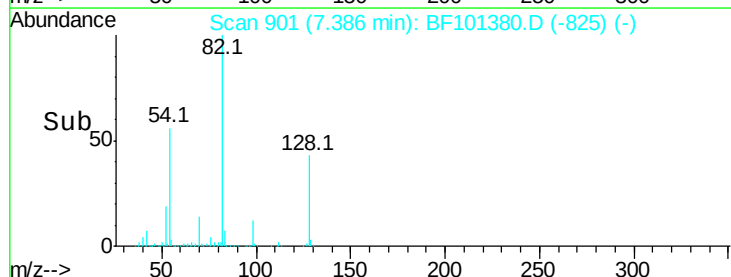


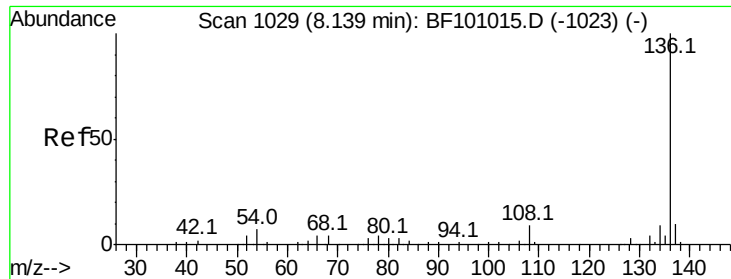
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

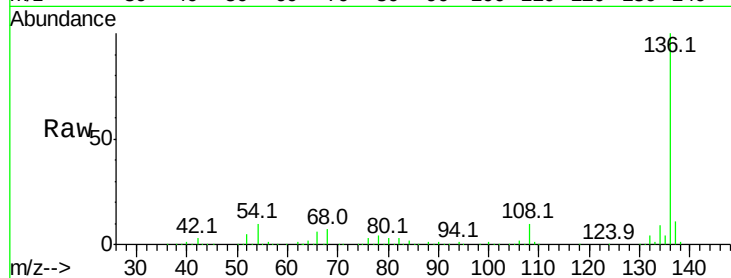




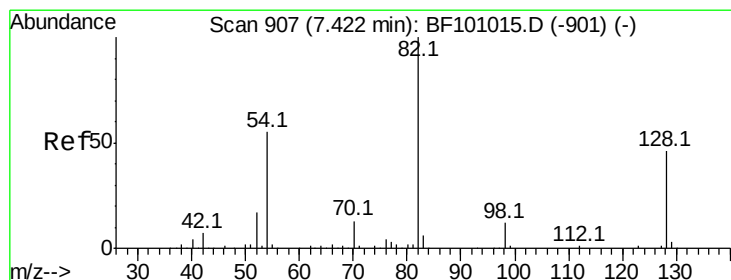
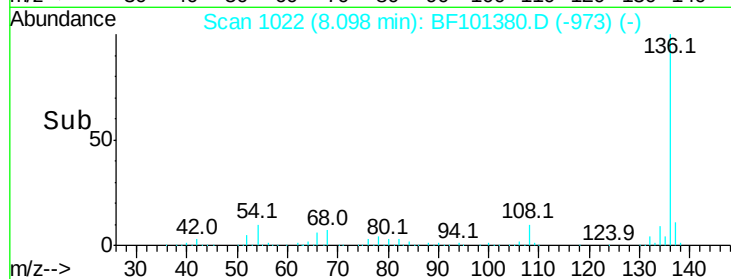
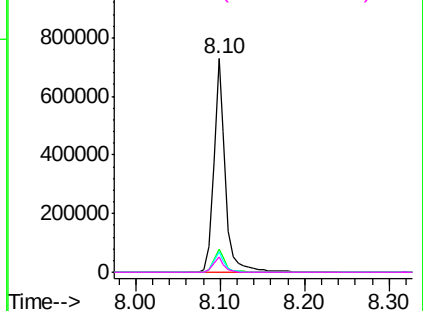
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF101380.D
Acq: 13 Dec 2017 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	708549
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.6	6.6	9.8
68	7.2	5.0	7.4

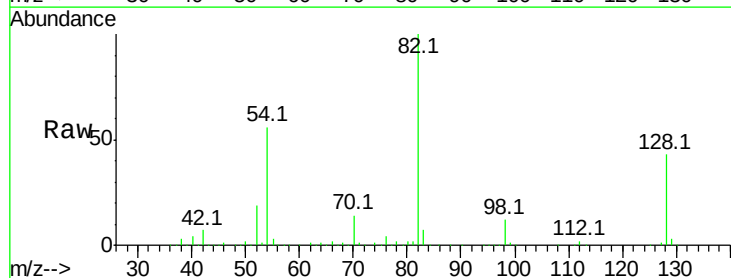


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

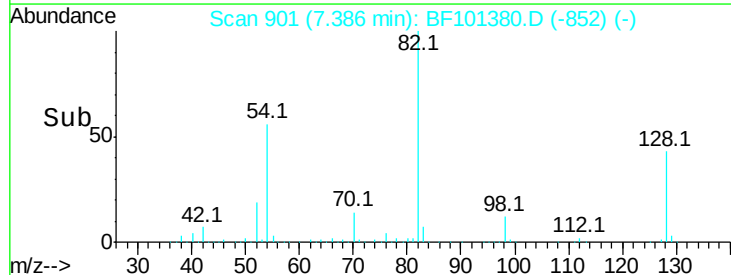
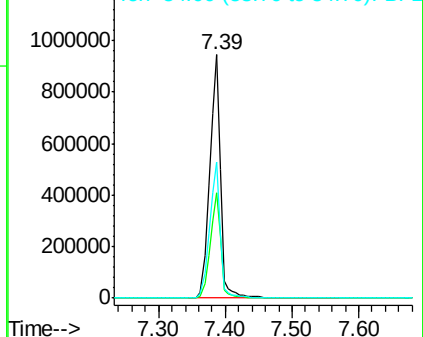


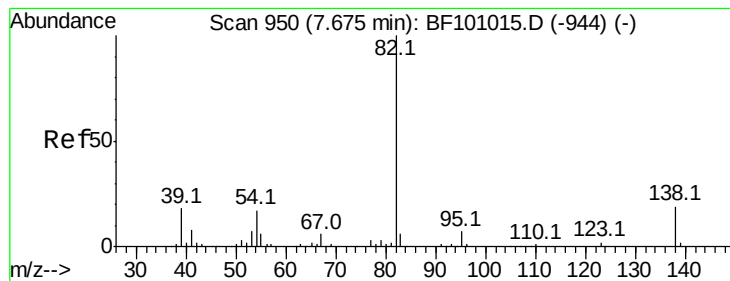
#23
Nitrobenzene-d5
Concen: 89.483 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101380.D
Acq: 13 Dec 2017 22:55

Tgt Ion:	82	Resp:	1062866
Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	55.7	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: 52.387 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101380.D

Acq: 13 Dec 2017 22:55

Instrument :

BNA_F

ClientSampleId :

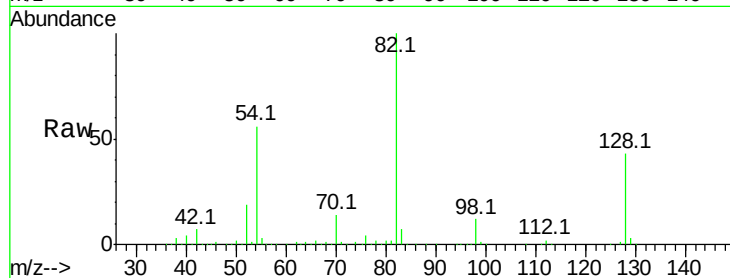
Tot Ion: 82 Resp: 1062860

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

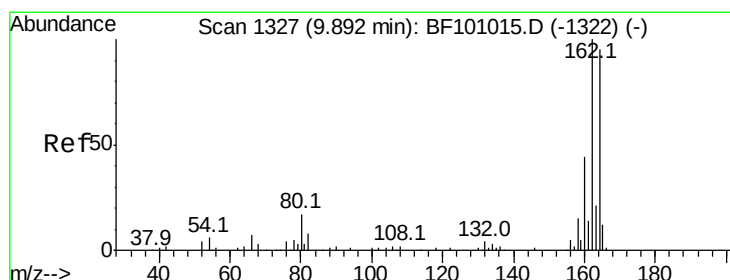
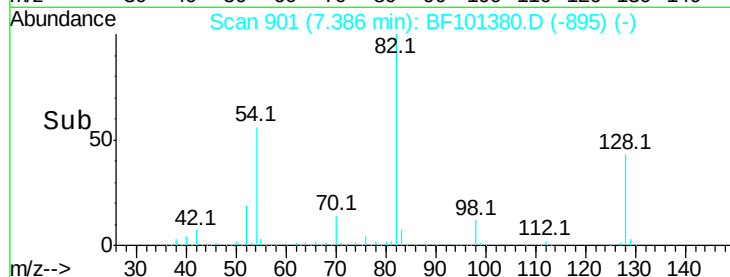
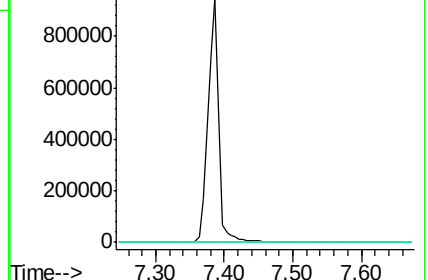
138 0.0 14.9 22.3#



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: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF101380.D

Acq: 13 Dec 2017 22:55

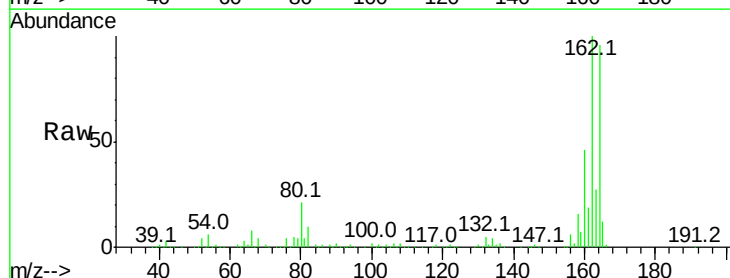
Tgt Ion:164 Resp: 313642

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

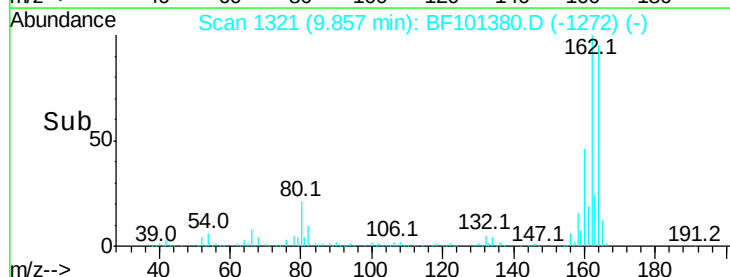
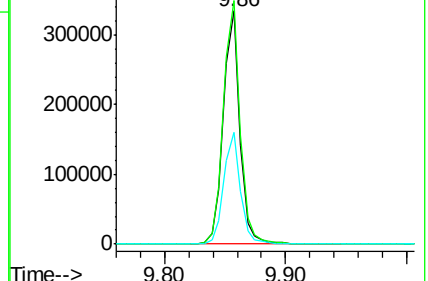
160 48.2 38.3 57.5

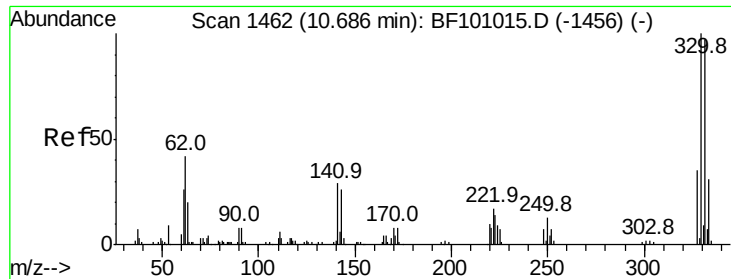


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

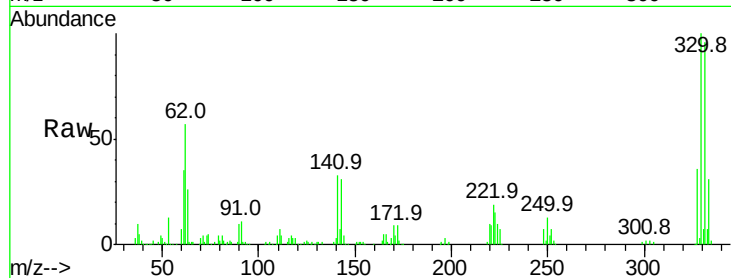




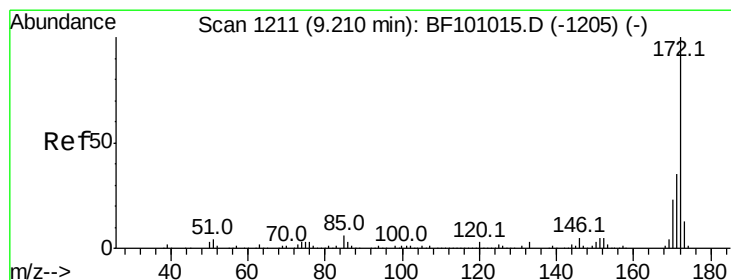
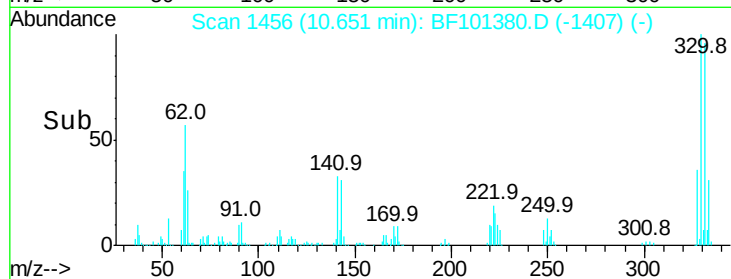
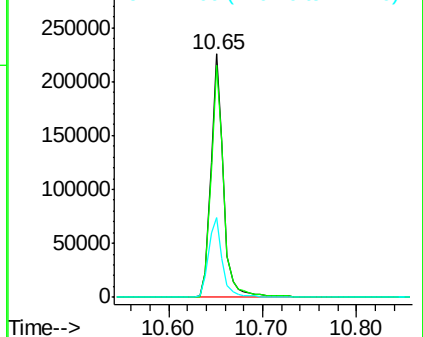
#41
 2,4,6-Tribromophenol
 Concen: 56.686 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF101380.D
 Acq: 13 Dec 2017 22:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 213578
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 36.3 29.9 44.9

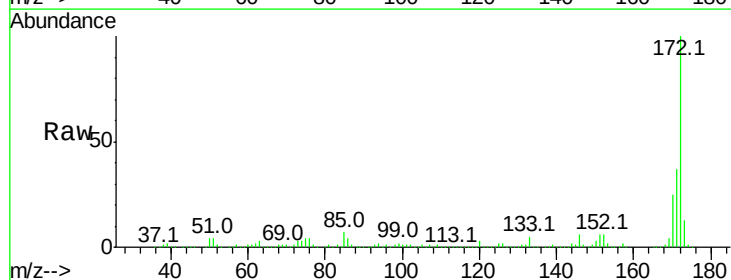


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

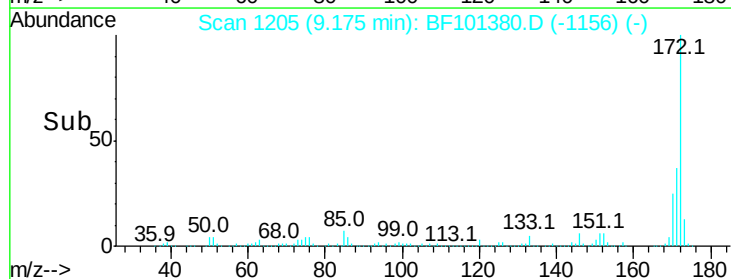
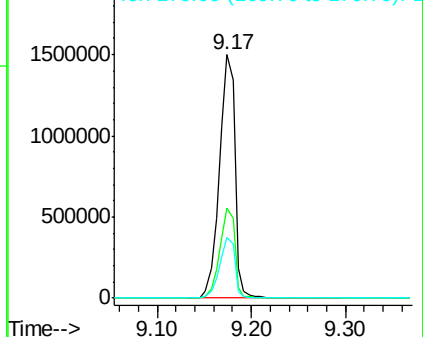


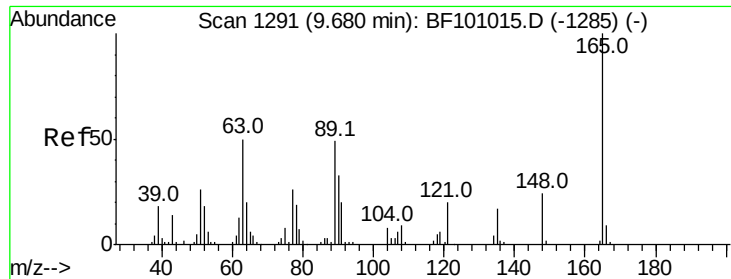
#44
 2-Fluorobiphenyl
 Concen: 75.531 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101380.D
 Acq: 13 Dec 2017 22:55

Tgt Ion:172 Resp: 1731459
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.7 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

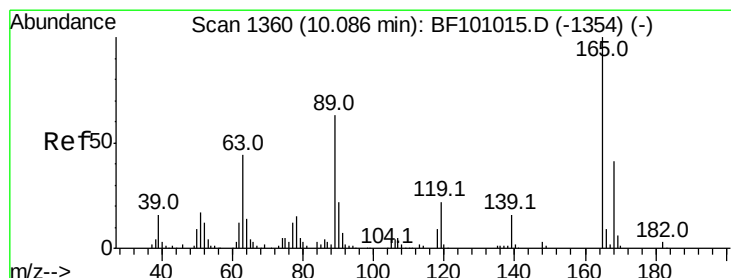
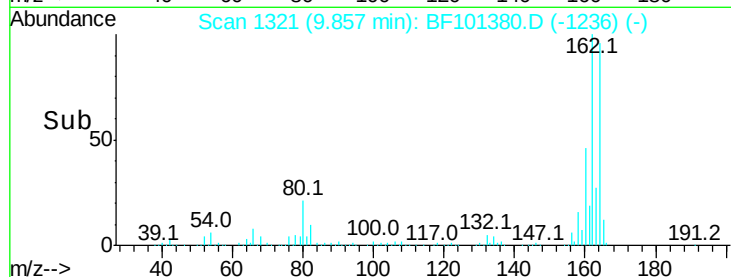
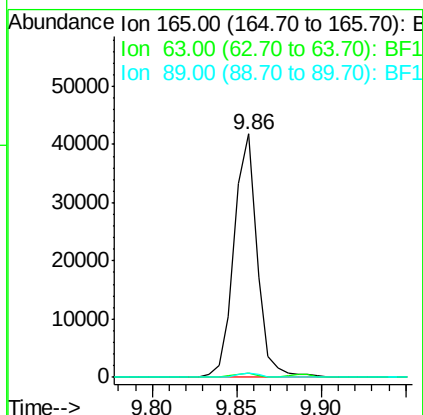
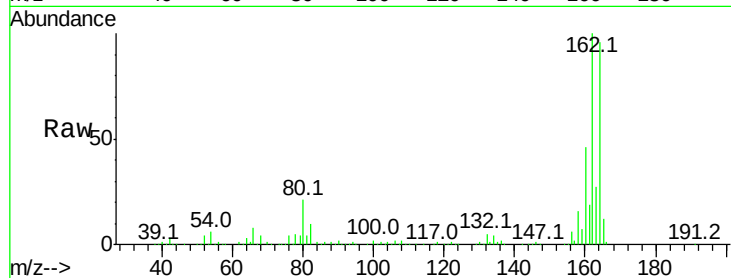




#50
 2,6-Dinitrotoluene
 Concen: 7.452 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.20 min
 Lab File: BF101380.D
 Acq: 13 Dec 2017 22:55

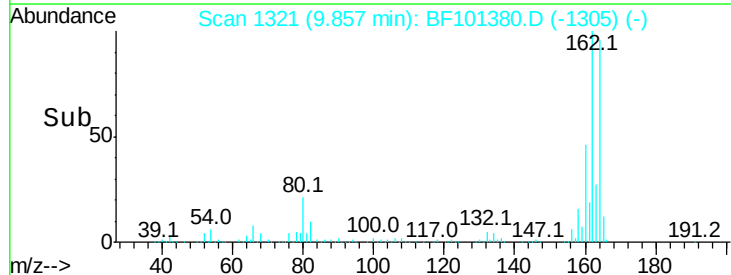
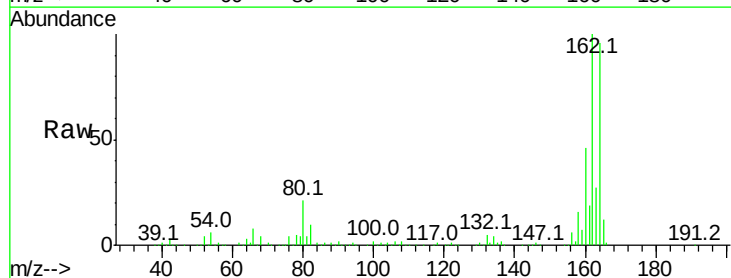
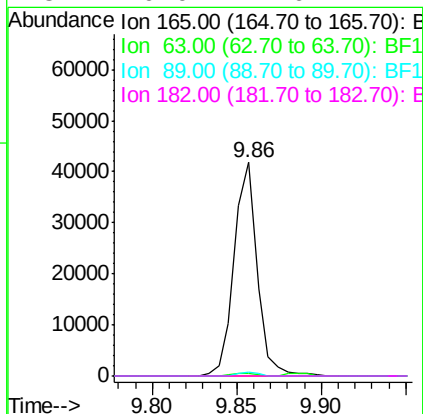
Instrument :
 BNA_F
 ClientSampleId :

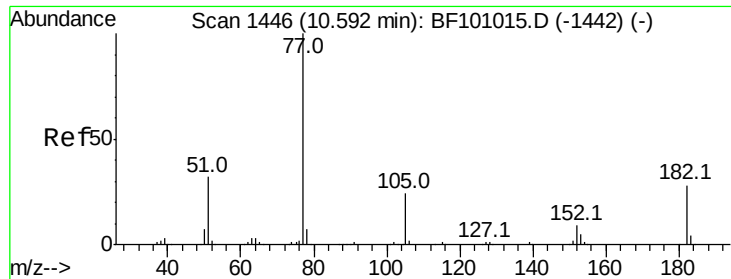
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.8	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.560 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.21 min
 Lab File: BF101380.D
 Acq: 13 Dec 2017 22:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

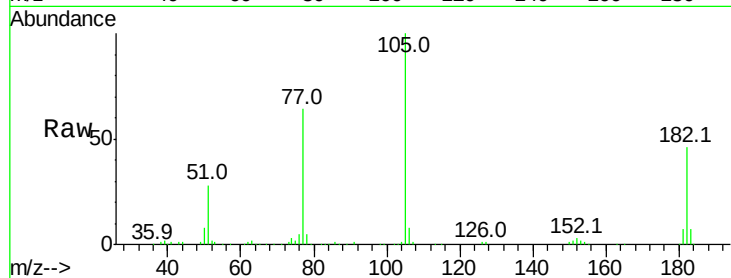




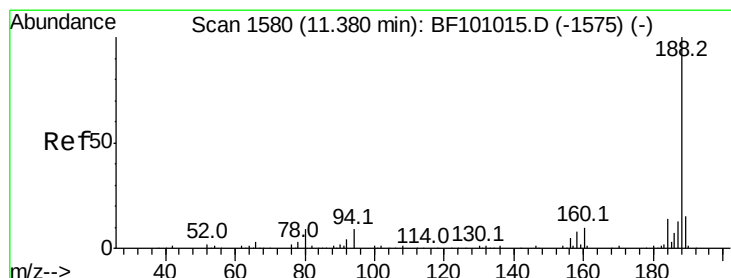
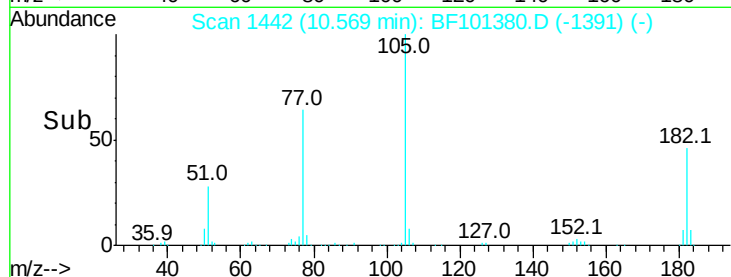
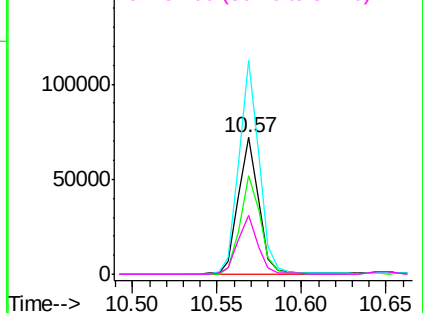
#62
Azobenzene
Concen: 2.881 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BF101380.D
Acq: 13 Dec 2017 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 60997
Ion Ratio Lower Upper
77 100
182 72.1 1.7 41.7#
105 156.2 3.0 43.0#
51 43.0 9.9 49.9

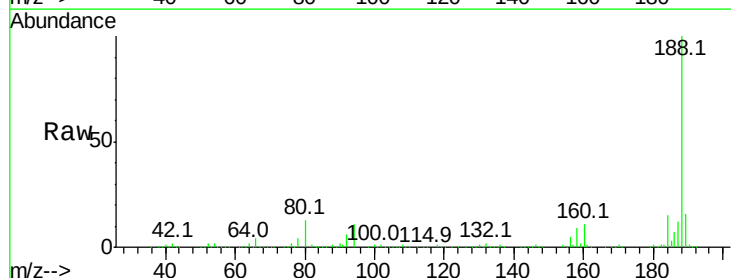


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

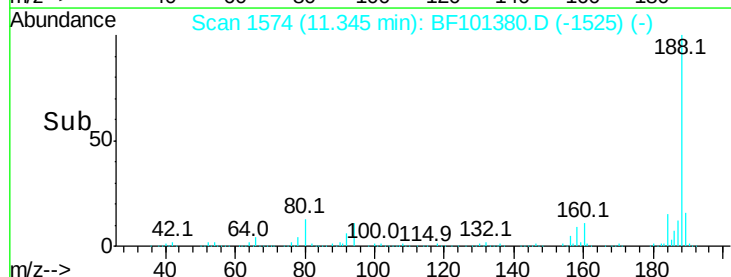
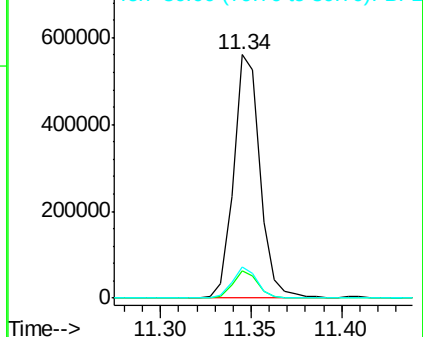


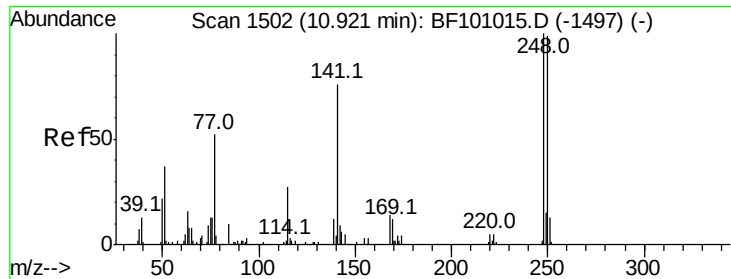
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101380.D
Acq: 13 Dec 2017 22:55

Tgt Ion: 188 Resp: 568712
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 13.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

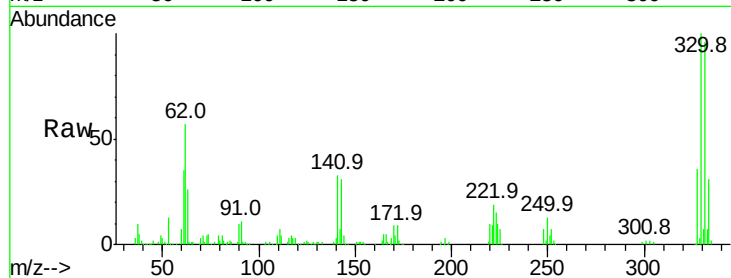




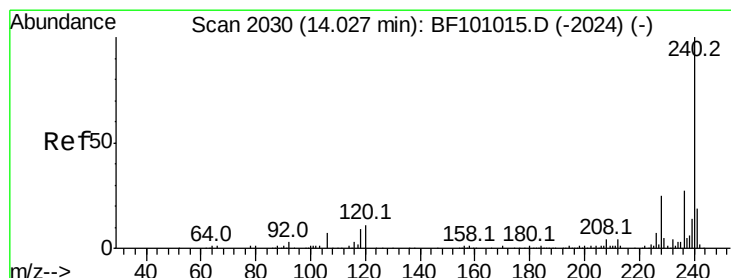
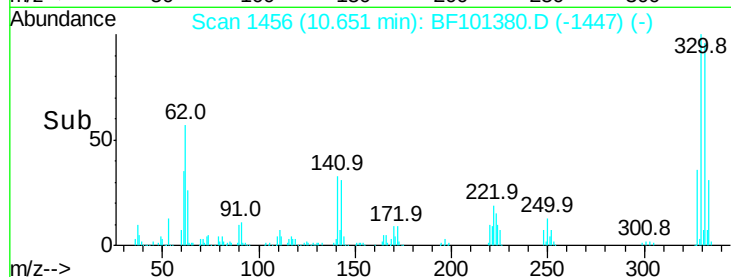
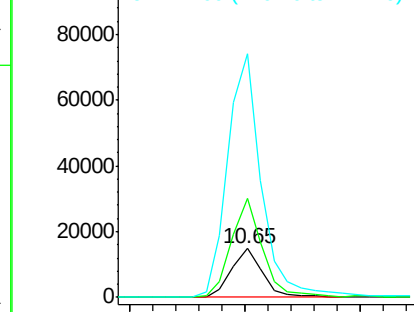
#66
 4-Bromophenyl-phenylether
 Concen: 2.189 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.25 min
 Lab File: BF101380.D
 Acq: 13 Dec 2017 22:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13937
 Ion Ratio Lower Upper
 248 100
 250 203.2 76.9 115.3#
 141 499.2 74.4 111.6#

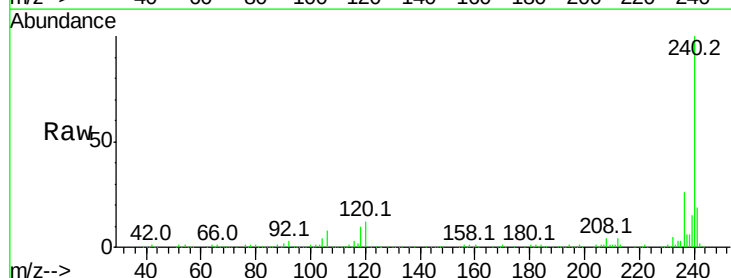


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

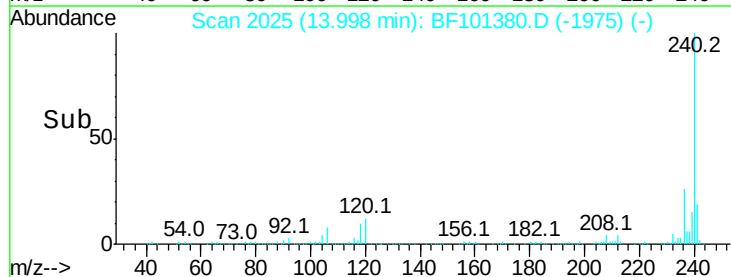
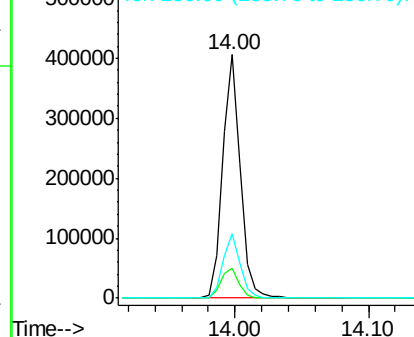


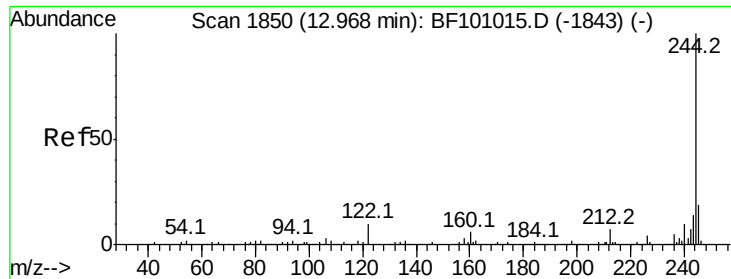
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF101380.D
 Acq: 13 Dec 2017 22:55

Tgt Ion:240 Resp: 378468
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.5 14.3
 236 26.5 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: 86.001 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF101380.D

Acq: 13 Dec 2017 22:55

Instrument :

BNA_F

ClientSampleId :

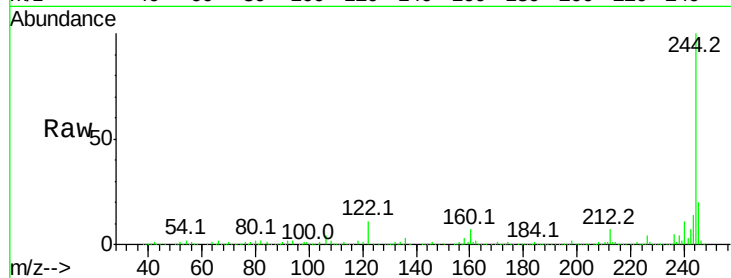
Tot Ion:244 Resp: 1488101

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

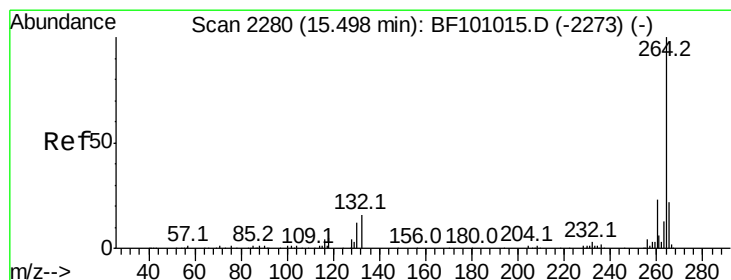
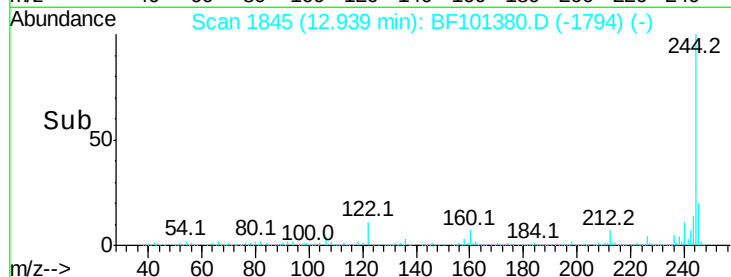
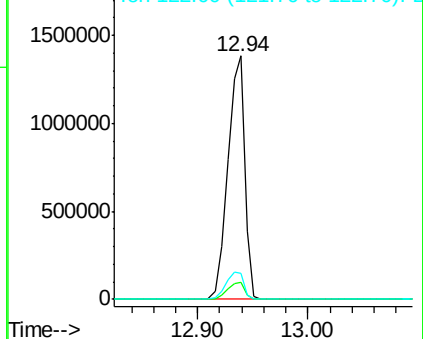
122 10.7 11.0 16.4#



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: 15.47 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BF101380.D

Acq: 13 Dec 2017 22:55

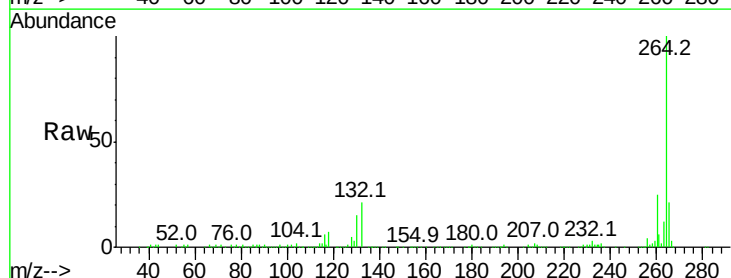
Tgt Ion:264 Resp: 307764

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.2 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

