

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107102.D
 Acq On : 4 Jul 2018 1:16
 Operator : JU/SJ
 Sample : J3812-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 02:08:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

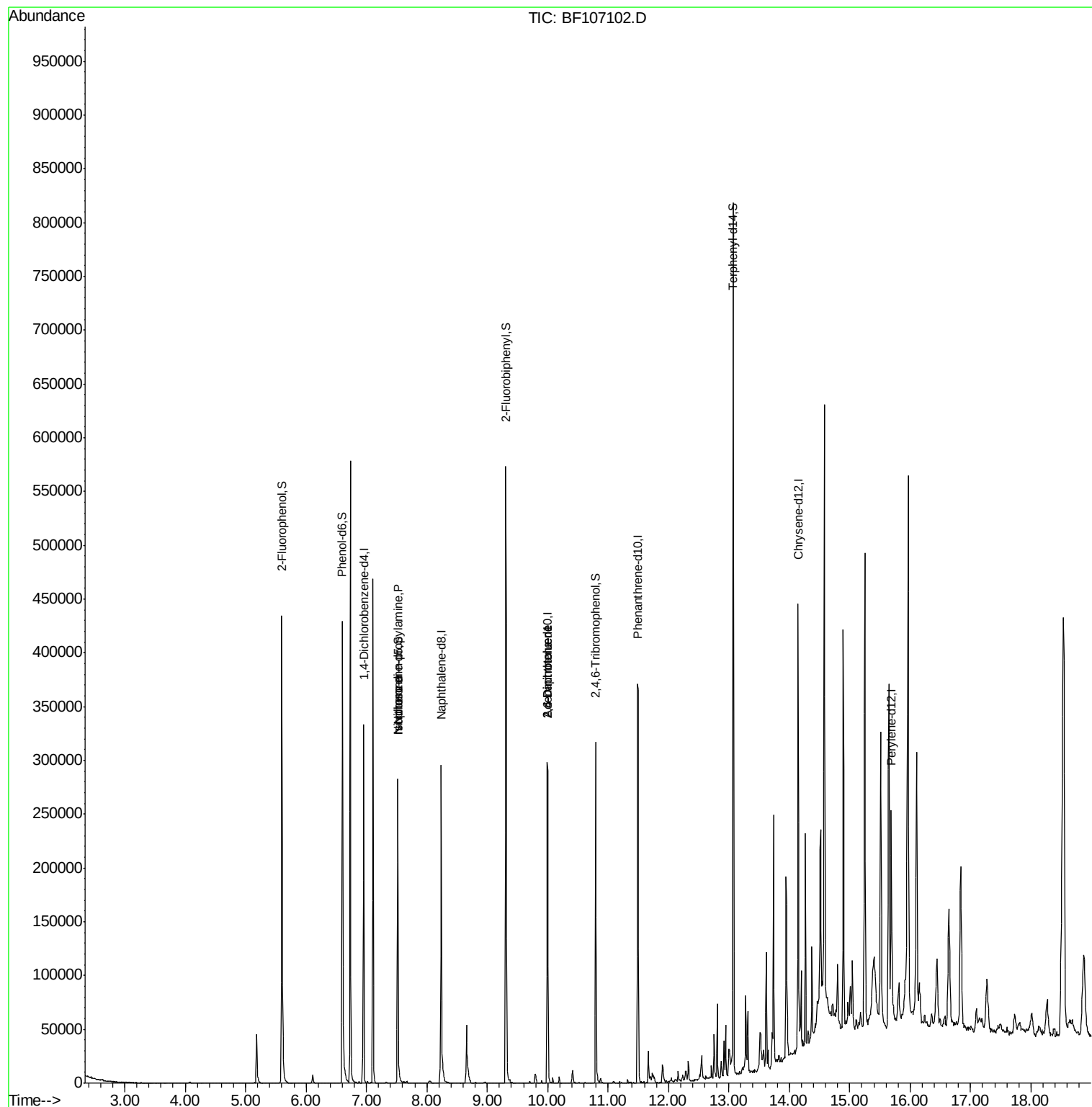
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	45873	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	158481	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	70730	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	157749	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	139256	20.00	ng	-0.02
86) Perylene-d12	15.69	264	101053	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	146503	54.08	ng	0.00
7) Phenol-d6	6.60	99	171920	50.82	ng	-0.01
23) Nitrobenzene-d5	7.52	82	98499	34.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	46564	56.80	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	200196	40.12	ng	-0.02
78) Terphenyl-d14	13.07	244	286942	49.91	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	12435	5.576	ng	# 74
25) Isophorone	7.52	82	98512	19.604	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	9262	8.245	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	9262	6.317	ng	# 21

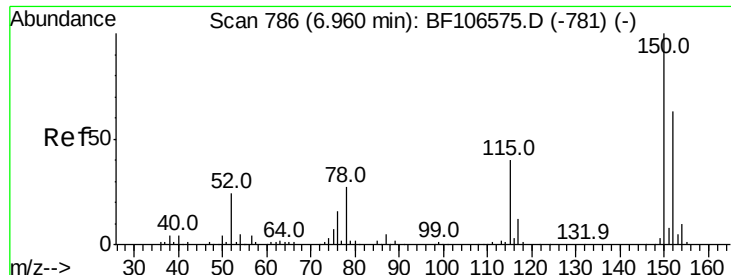
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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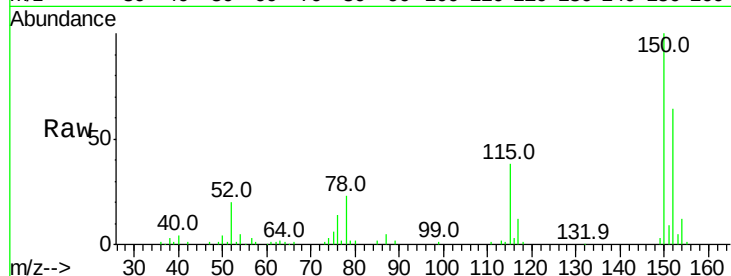


#1

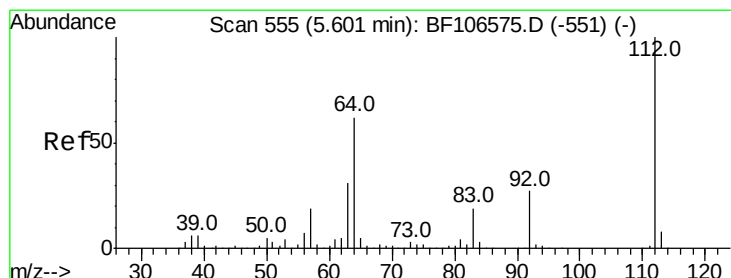
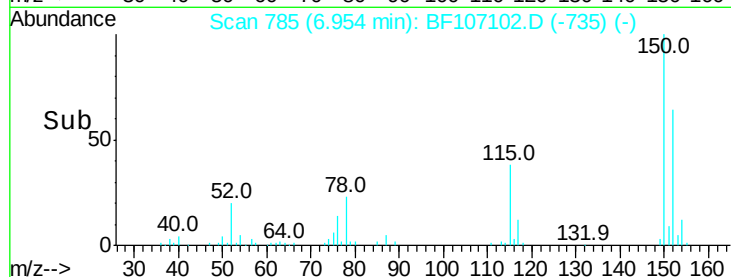
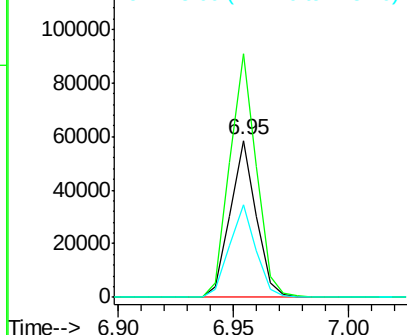
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107102.D
Acq: 4 Jul 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 45873
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 59.1 50.1 75.1



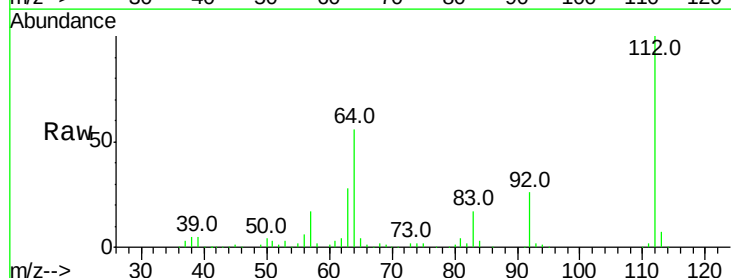
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



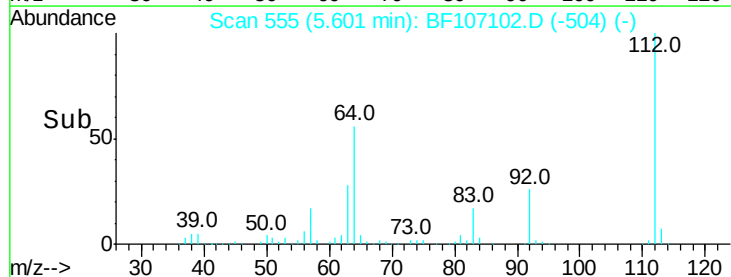
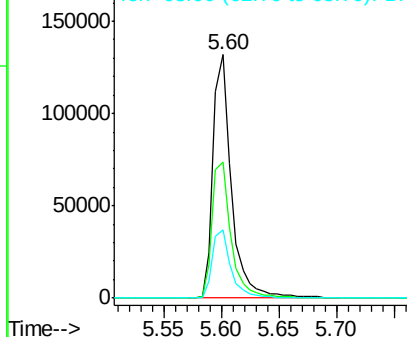
#5

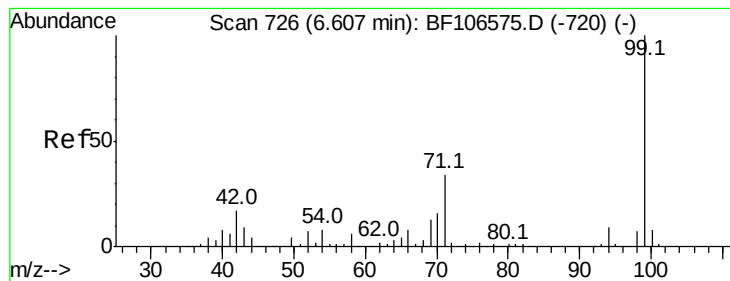
2-Fluorophenol
Concen: 54.079 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF107102.D
Acq: 4 Jul 2018 1:16

Tgt Ion:112 Resp: 146503
Ion Ratio Lower Upper
112 100
64 56.1 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): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 50.817 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

Instrument :

BNA_F

ClientSampleId :

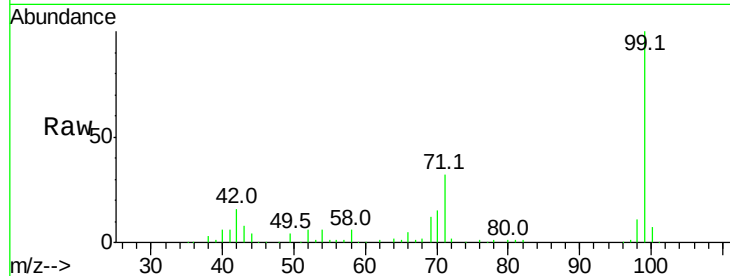
Tot Ion: 99 Resp: 171920

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

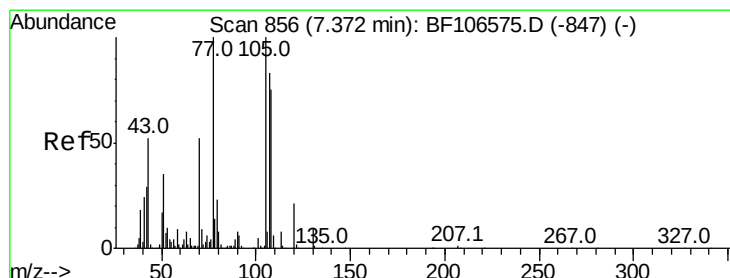
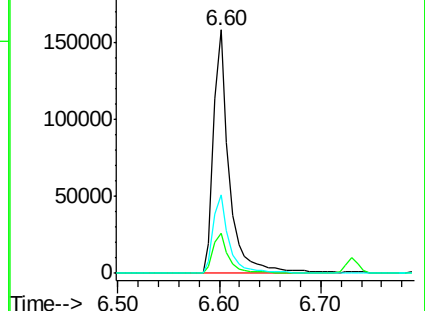
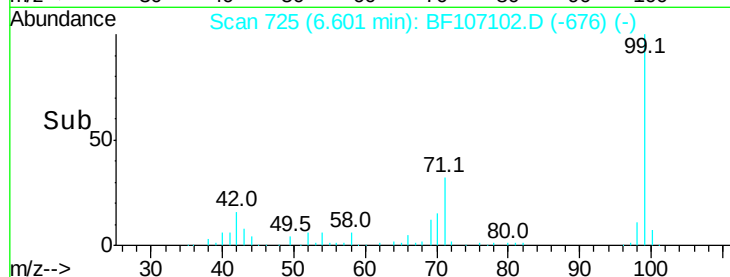
71 32.3 25.4 38.0



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: 5.576 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

Tgt Ion: 70 Resp: 12435

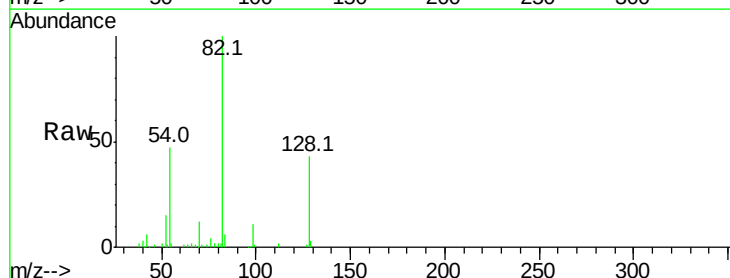
Ion Ratio Lower Upper

70 100

42 44.5 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

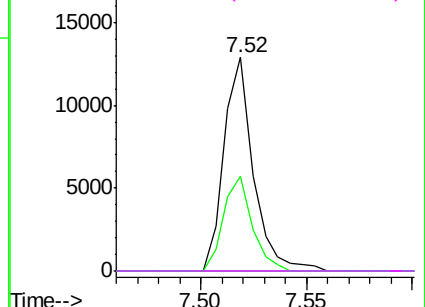
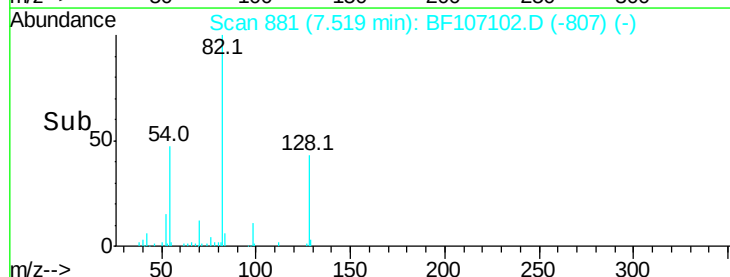


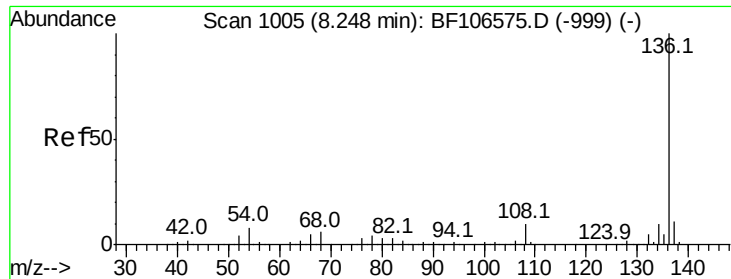
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

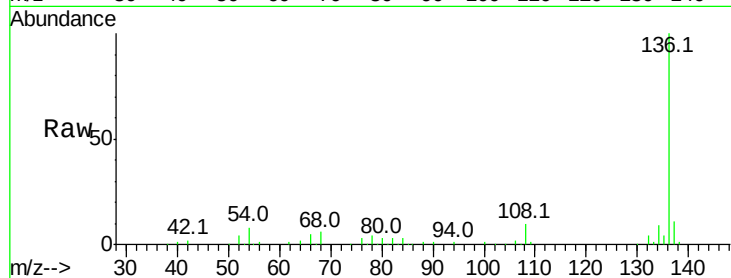




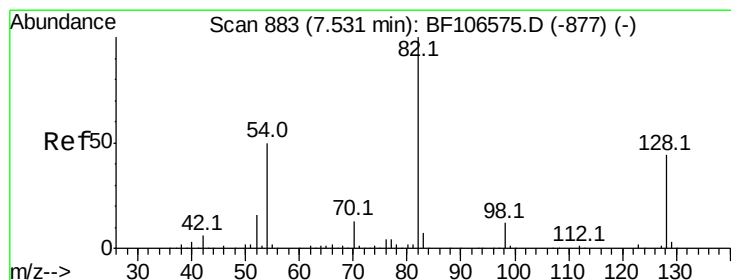
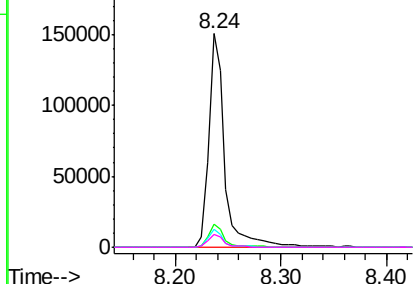
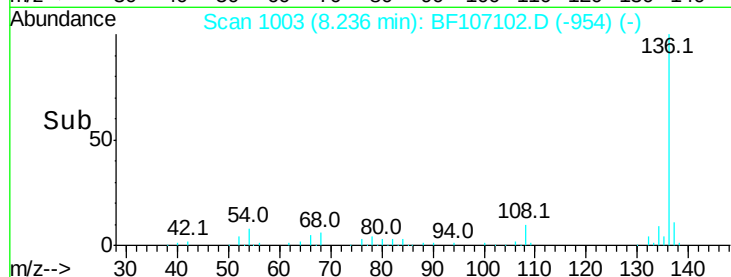
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107102.D
Acq: 4 Jul 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	158481
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.4	6.6	9.8
68	6.2	5.0	7.4

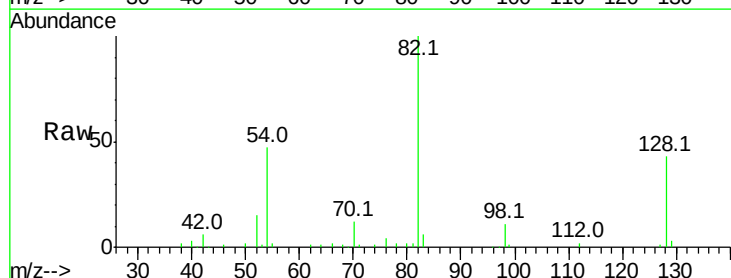


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

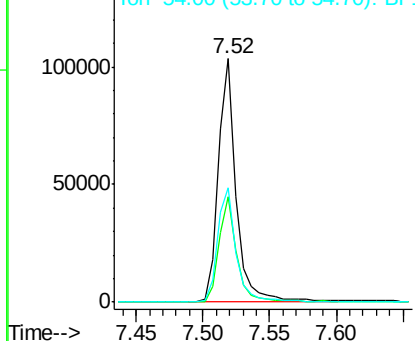
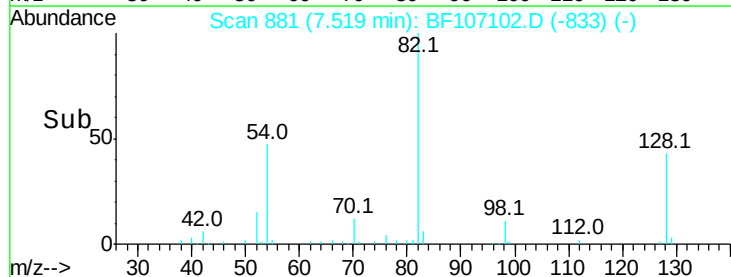


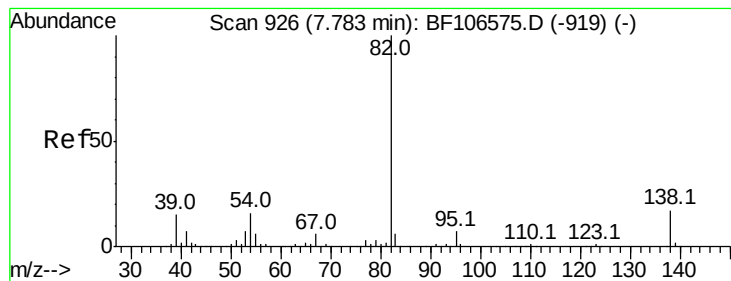
#23
Nitrobenzene-d5
Concen: 34.540 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107102.D
Acq: 4 Jul 2018 1:16

Tgt Ion:	82	Resp:	98499
Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	47.0	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: 19.604 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

Instrument :

BNA_F

ClientSampleId :

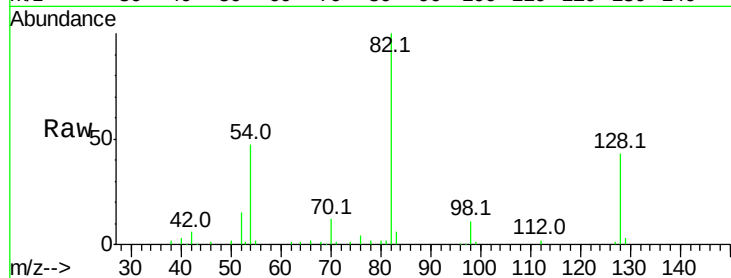
Tot Ion: 82 Resp: 98512

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

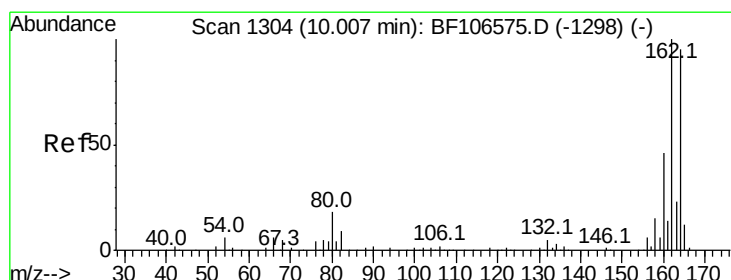
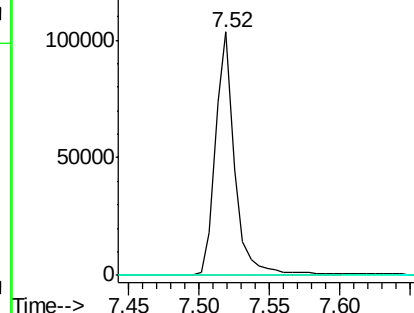
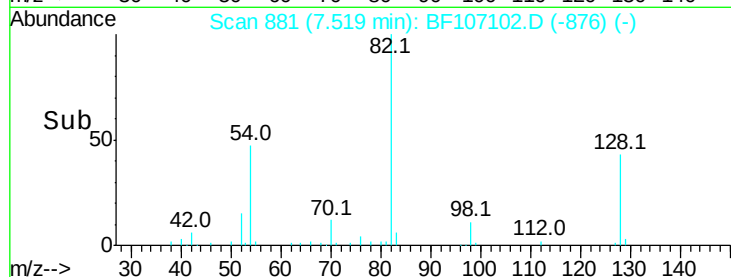
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

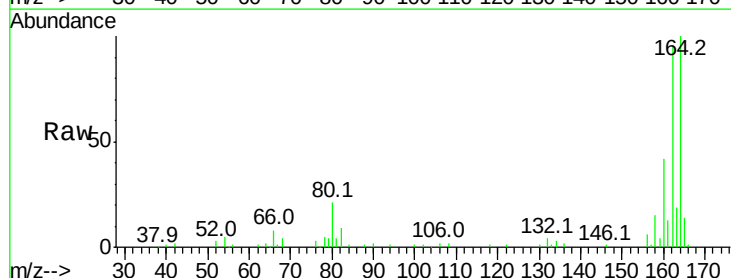
Tgt Ion: 164 Resp: 70730

Ion Ratio Lower Upper

164 100

162 96.2 86.1 129.1

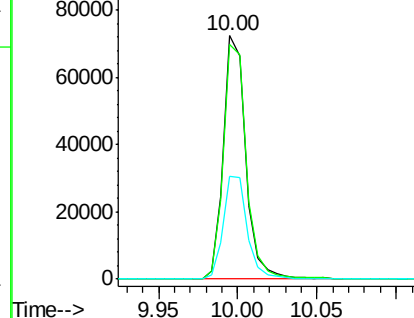
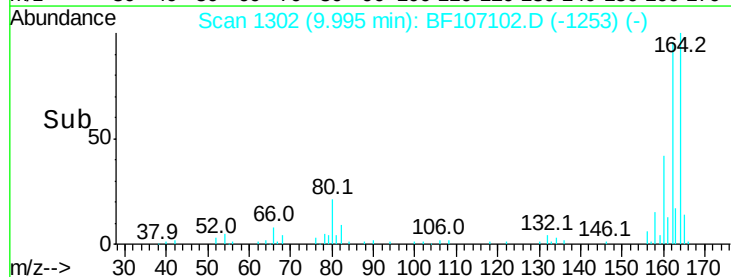
160 42.3 38.3 57.5

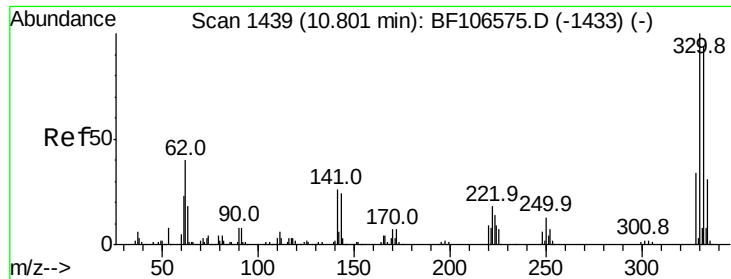


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

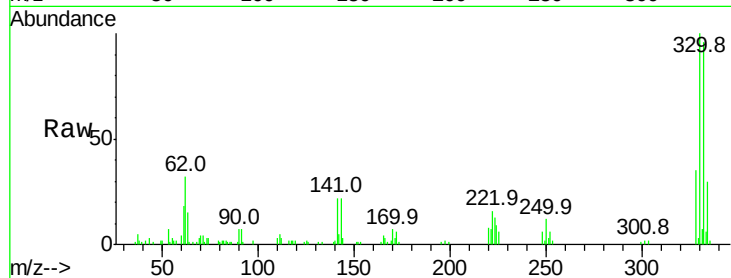




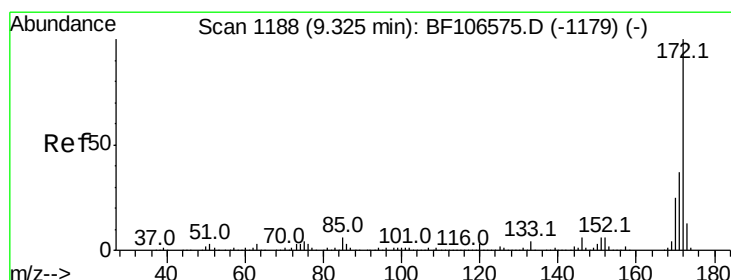
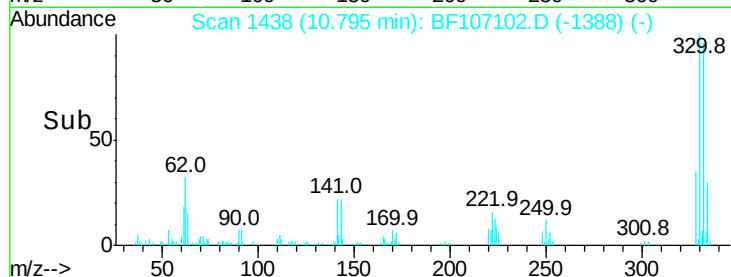
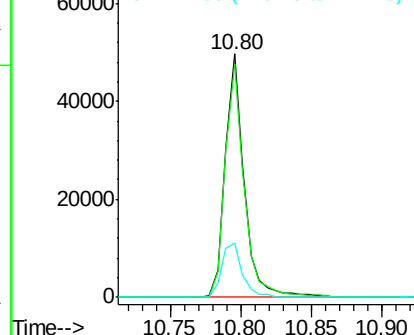
#41
 2,4,6-Tribromophenol
 Concen: 56.801 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107102.D
 Acq: 4 Jul 2018 1:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 46564
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 23.8 29.9 44.9#

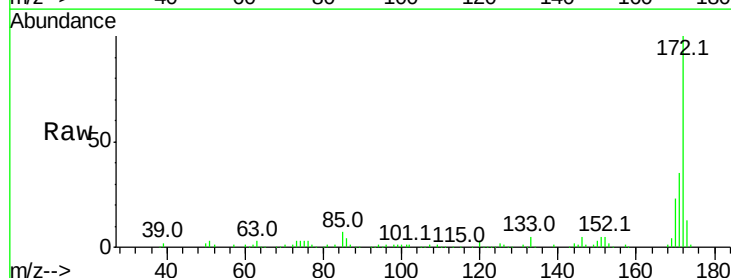


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

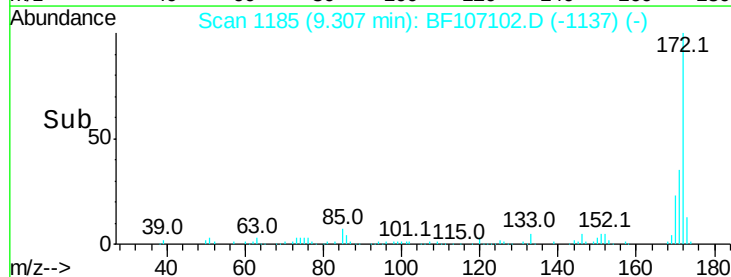
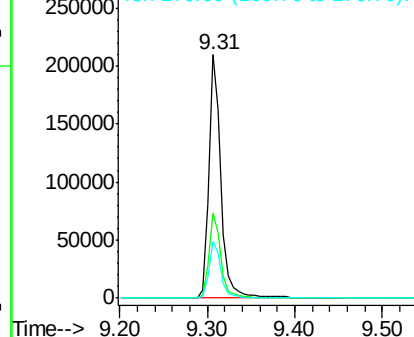


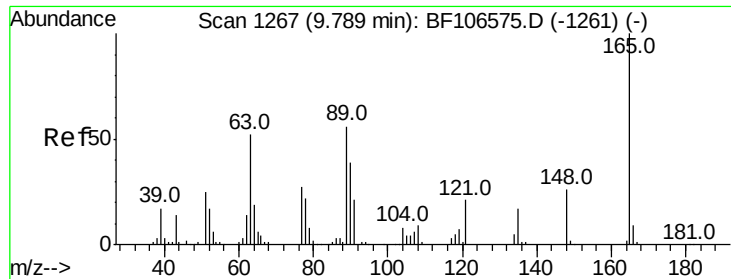
#44
 2-Fluorobiphenyl
 Concen: 40.120 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107102.D
 Acq: 4 Jul 2018 1:16

Tgt Ion:172 Resp: 200196
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.7 44.5
 170 23.1 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

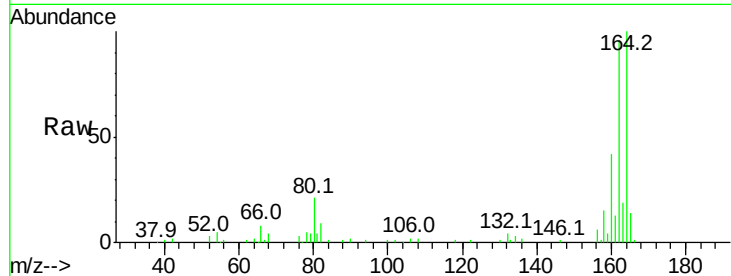




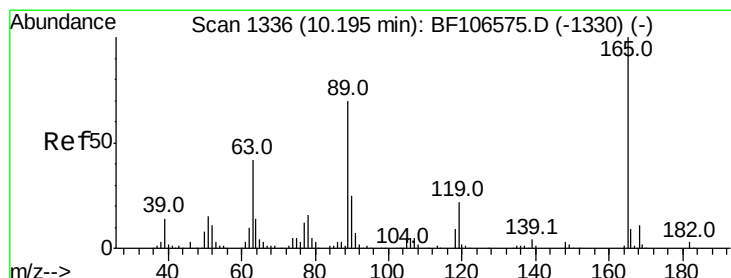
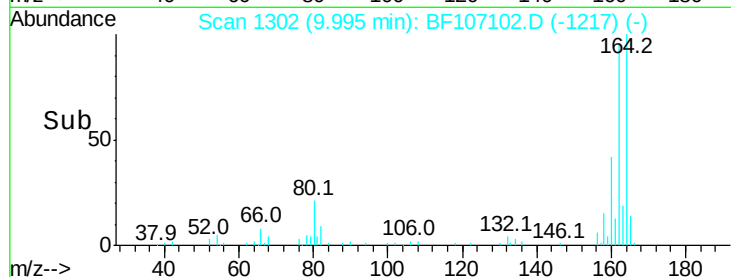
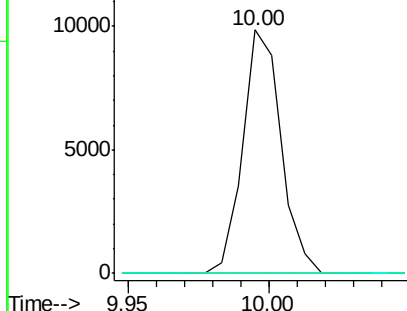
#50
 2,6-Dinitrotoluene
 Concen: 8.245 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF107102.D
 Acq: 4 Jul 2018 1:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 9262
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

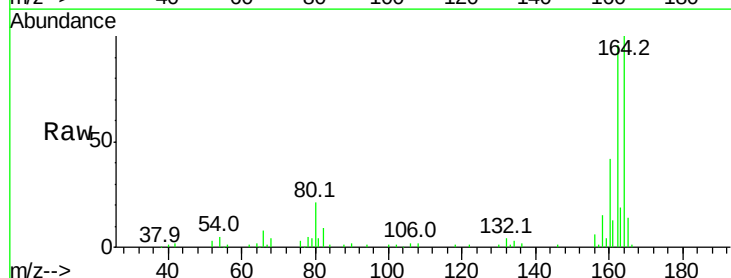


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

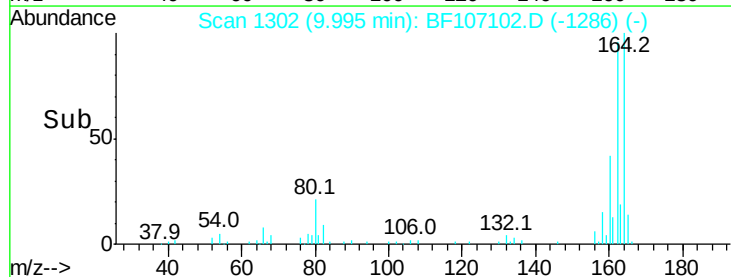
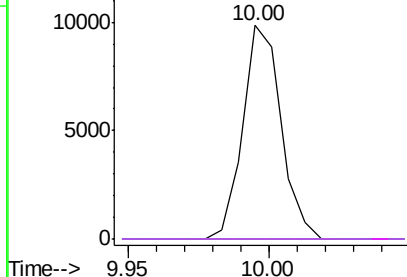


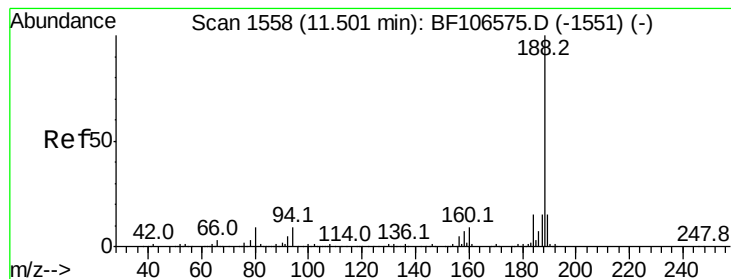
#56
 2,4-Dinitrotoluene
 Concen: 6.317 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107102.D
 Acq: 4 Jul 2018 1:16

Tgt Ion:165 Resp: 9262
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 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: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

Instrument :

BNA_F

ClientSampleId :

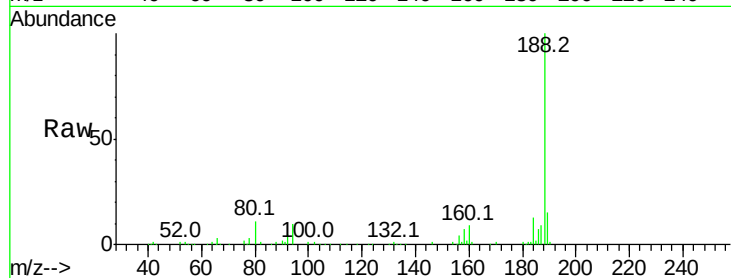
Tot Ion:188 Resp: 157749

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

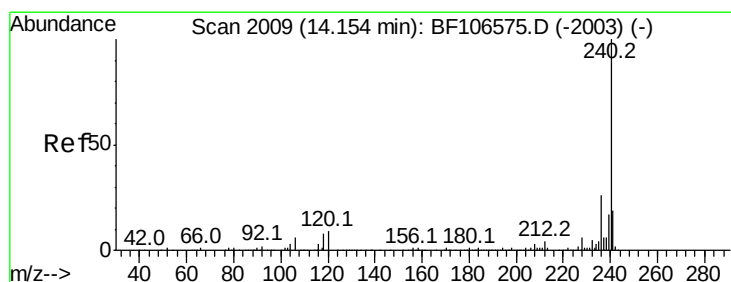
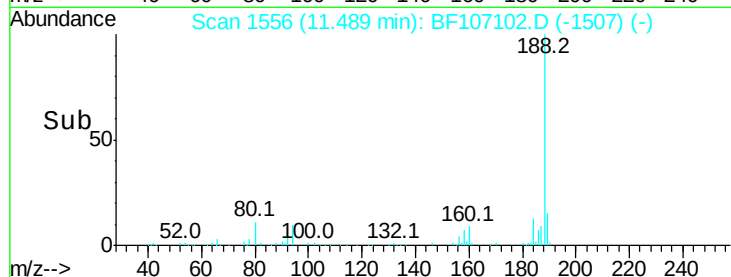
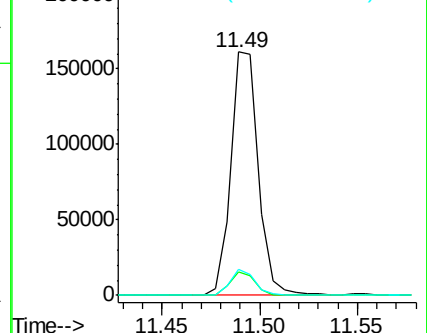
80 10.6 9.2 13.8



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

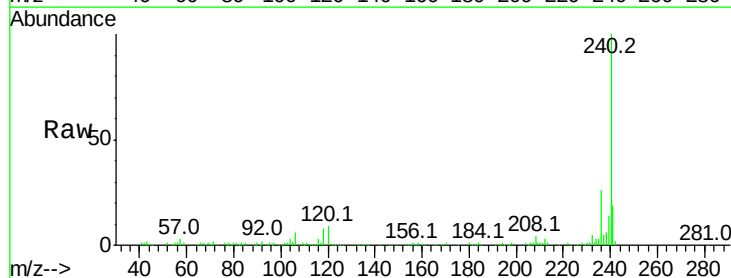
Tgt Ion:240 Resp: 139256

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

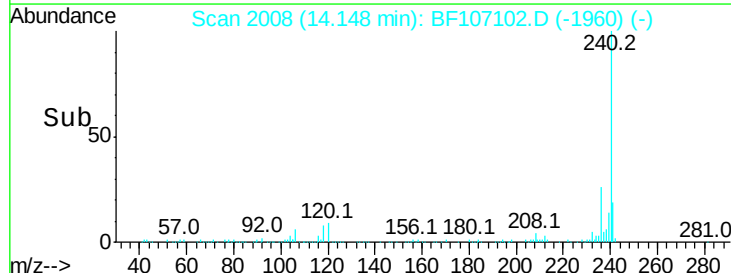
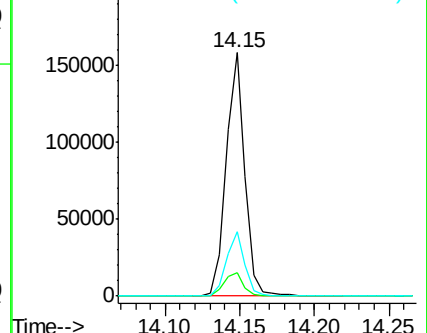
236 26.2 20.7 31.1

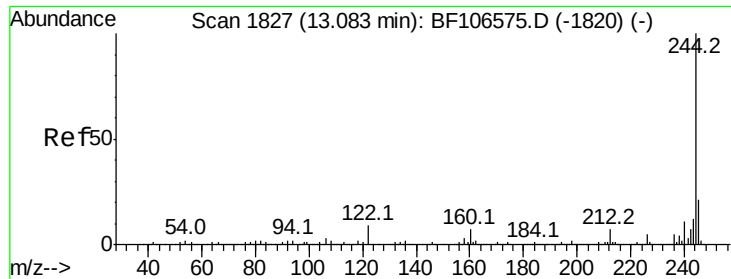


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 49.912 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

Instrument :

BNA_F

ClientSampleId :

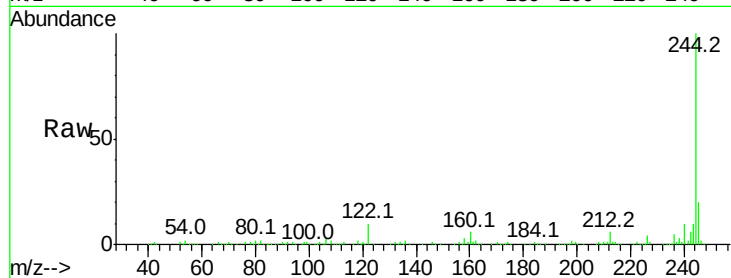
Tot Ion:244 Resp: 286942

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

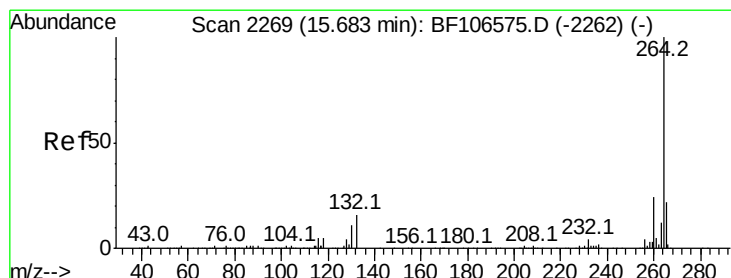
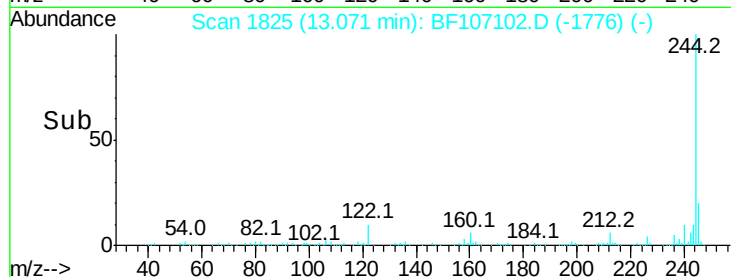
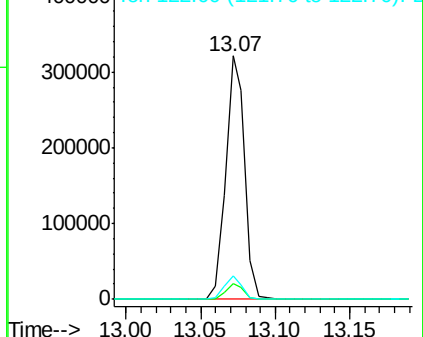
122 9.6 11.0 16.4#



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: 15.69 min Scan# 2270

Delta R.T. -0.03 min

Lab File: BF107102.D

Acq: 4 Jul 2018 1:16

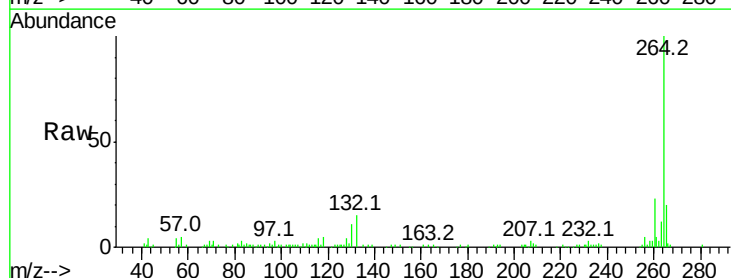
Tgt Ion:264 Resp: 101053

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 20.1 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

