

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072318\
 Data File : BF107598.D
 Acq On : 23 Jul 2018 19:46
 Operator : JU/SJ
 Sample : J4106-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOLA-BOULEVARD

Quant Time: Jul 24 03:21:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	259165	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	924073	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	353458	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	662926	20.00	ng	0.00
75) Chrysene-d12	14.17	240	521926	20.00	ng	0.00
86) Perylene-d12	15.71	264	398949	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1684505	104.50	ng	0.00
7) Phenol-d6	6.61	99	2004774	103.58	ng	0.00
23) Nitrobenzene-d5	7.54	82	1213906	88.65	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	455085	113.22	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1984587	101.26	ng	0.00
78) Terphenyl-d14	13.10	244	1847214	90.61	ng	0.00

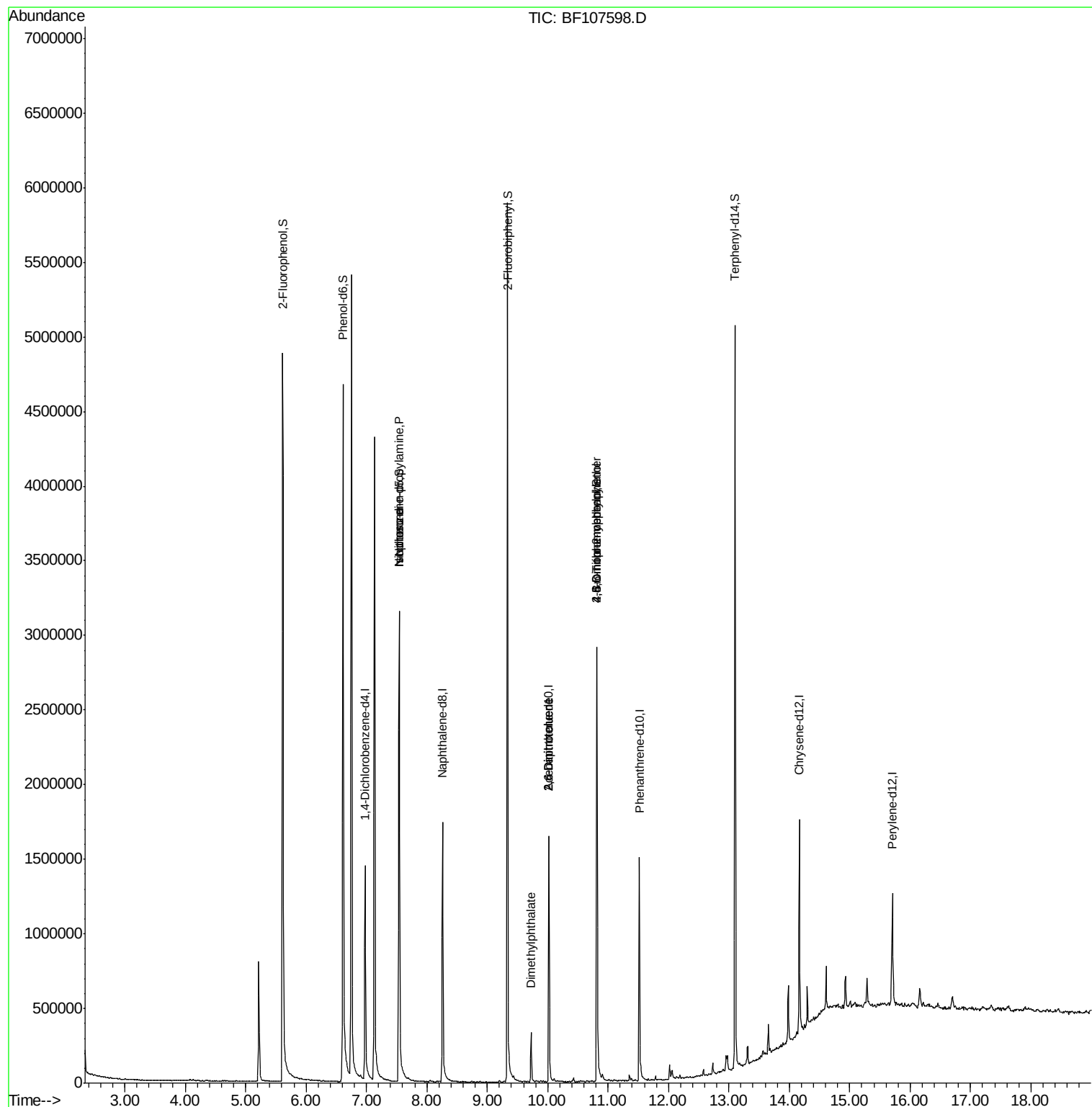
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	157727	12.615	ng	# 79
25) Isophorone	7.54	82	1213897	41.521	ng	# 64
49) Dimethylphthalate	9.72	163	141055	5.295	ng	100
50) 2,6-Dinitrotoluene	10.02	165	45182	8.543	ng	# 25
56) 2,4-Dinitrotoluene	10.02	165	45501	7.127	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.82	198	703	8.861	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	27560	3.532	ng	# 1
73) Di-n-butylphthalate	12.06	149	32816	Below Cal		98
81) 3,3'-Dichlorobenzidine	14.12	252	666	Below Cal		# 68

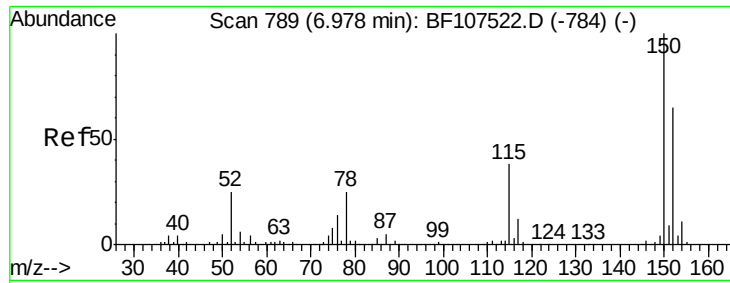
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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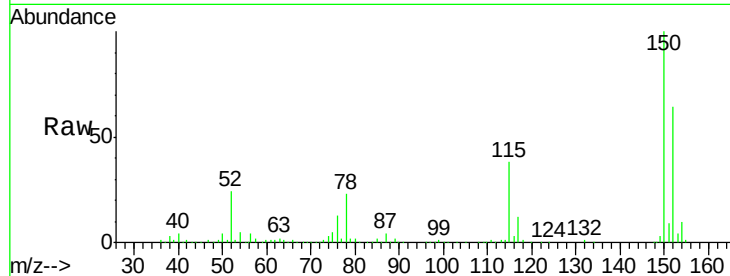


#1

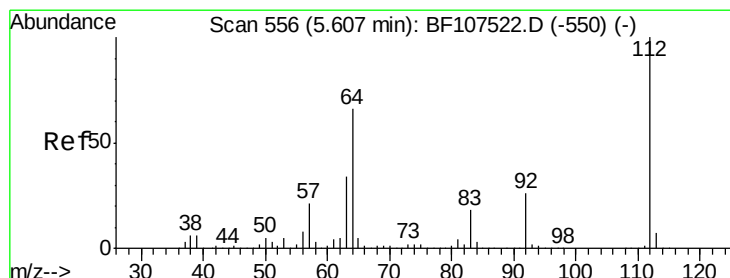
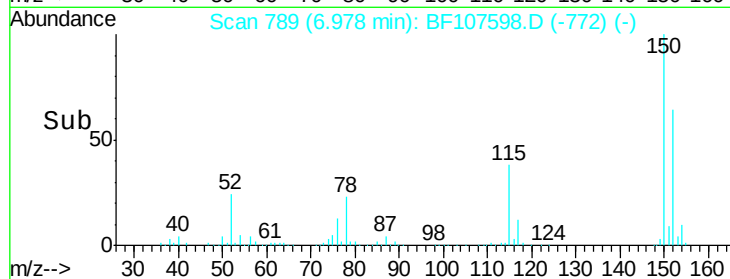
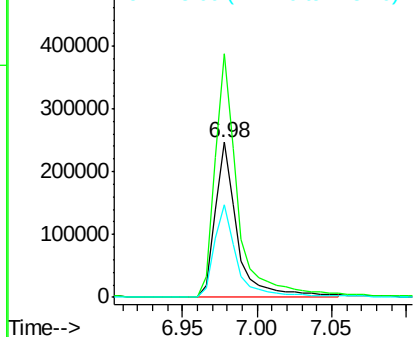
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF107598.D
Acq: 23 Jul 2018 19:46

Instrument :
BNA_F
ClientSampleId :
MOLA-BOULEVARD

Tgt Ion:152 Resp: 259165
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 59.6 50.1 75.1



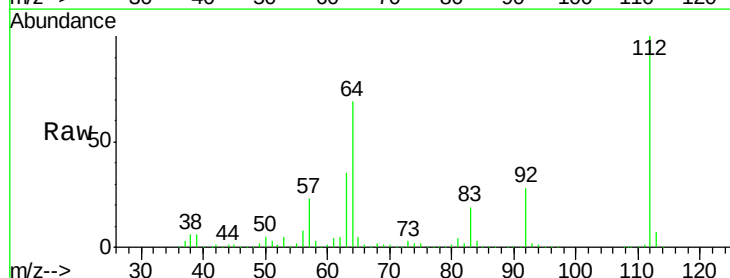
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



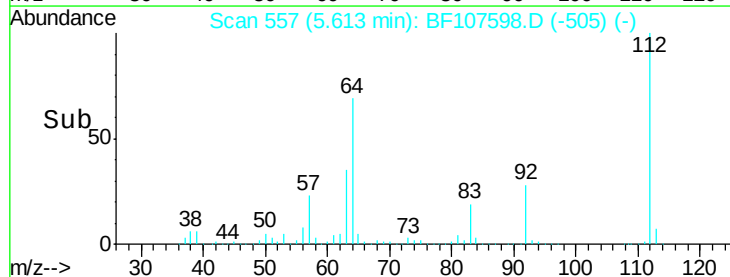
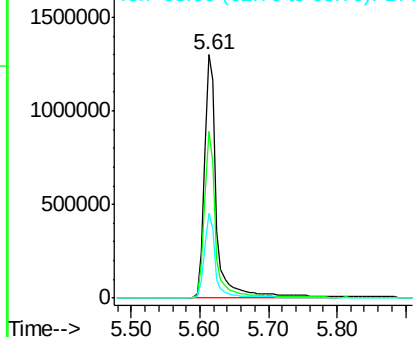
#5

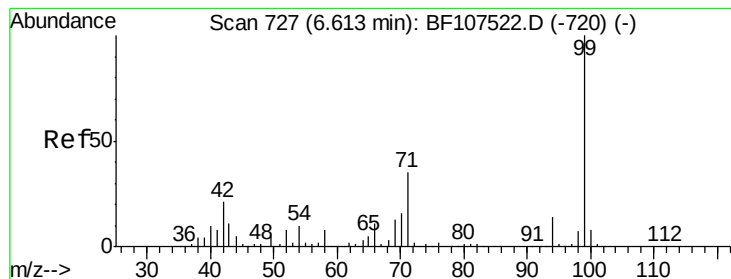
2-Fluorophenol
Concen: 104.503 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF107598.D
Acq: 23 Jul 2018 19:46

Tgt Ion:112 Resp: 1684505
Ion Ratio Lower Upper
112 100
64 68.7 47.9 71.9
63 34.9 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: 103.580 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF107598.D

Acq: 23 Jul 2018 19:46

Instrument :

BNA_F

ClientSampleId :

MOLA-BOULEVARD

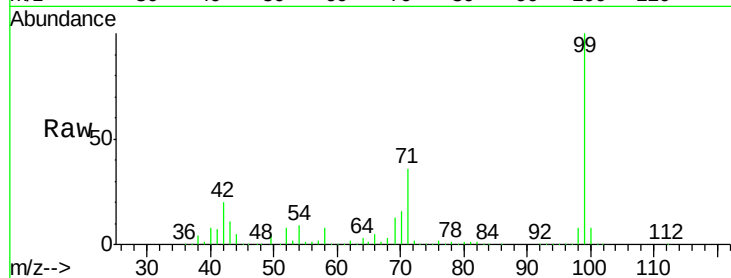
Tgt Ion: 99 Resp: 2004774

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

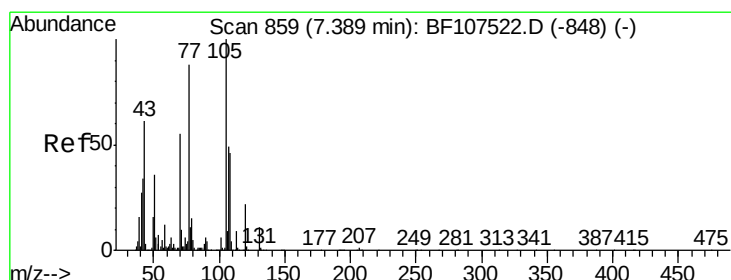
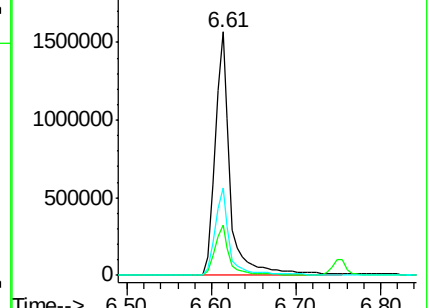
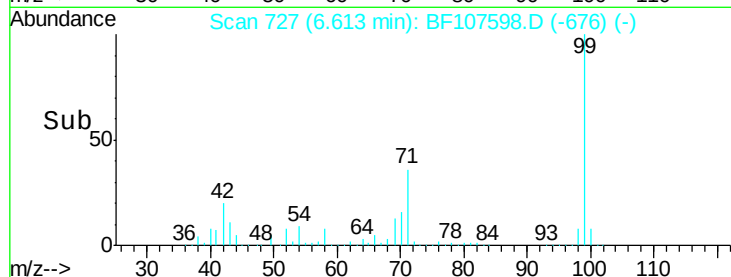
71 35.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.615 ng

RT: 7.54 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF107598.D

Acq: 23 Jul 2018 19:46

Tgt Ion: 70 Resp: 157727

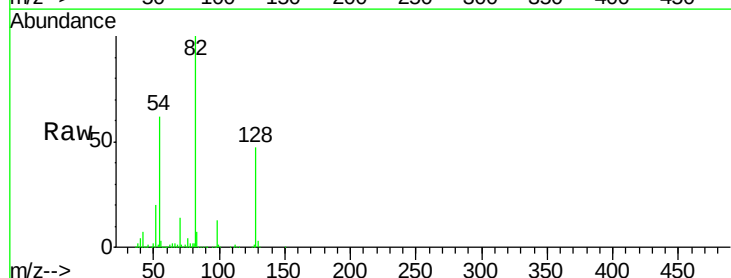
Ion Ratio Lower Upper

70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

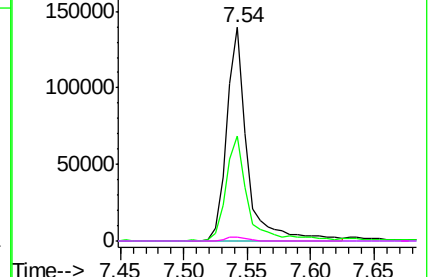
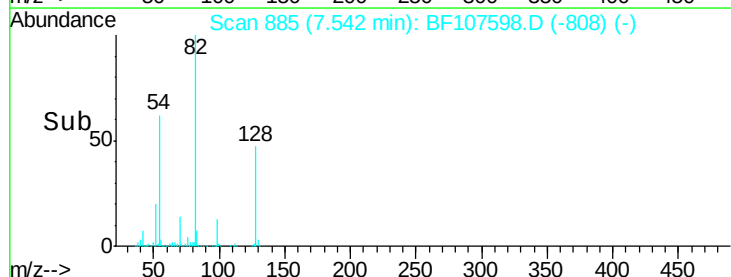


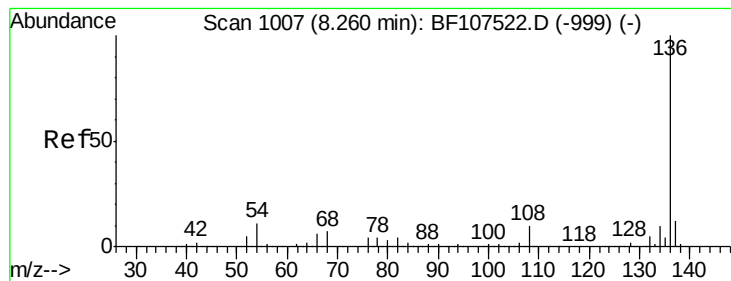
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.26 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF107598.D

Acq: 23 Jul 2018 19:46

Instrument :

BNA_F

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MOLA-BOULEVARD

Tgt Ion: 136 Resp: 924073

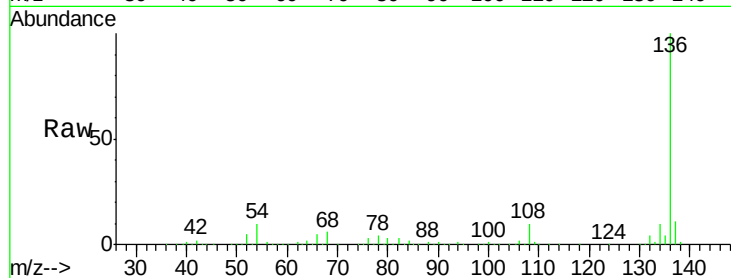
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.1 6.6 9.8#

68 6.2 5.0 7.4

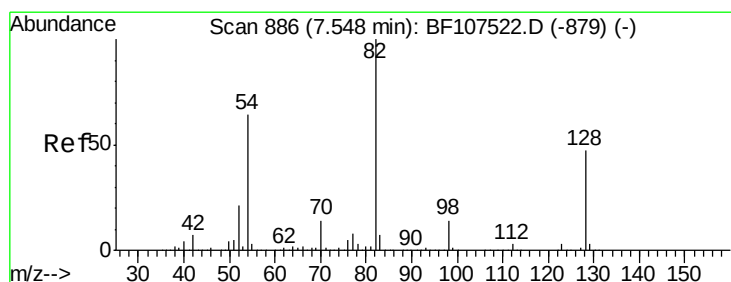
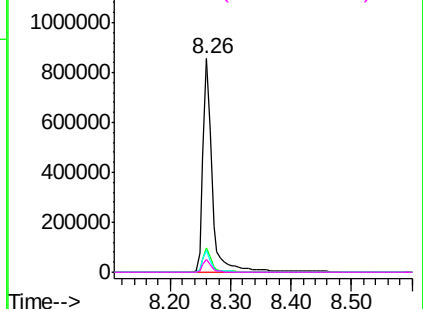
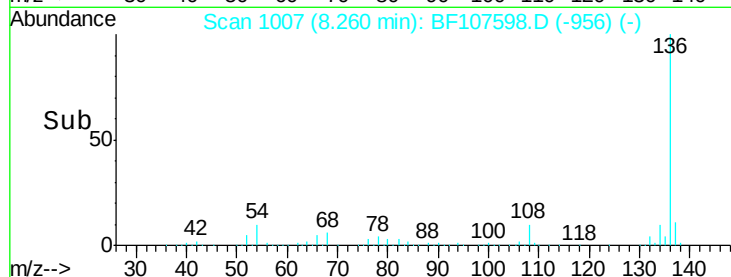


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.655 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF107598.D

Acq: 23 Jul 2018 19:46

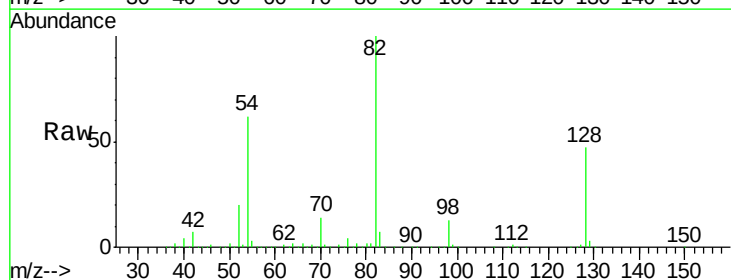
Tgt Ion: 82 Resp: 1213906

Ion Ratio Lower Upper

82 100

128 47.1 36.1 54.1

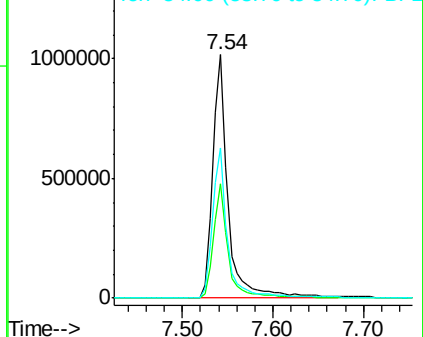
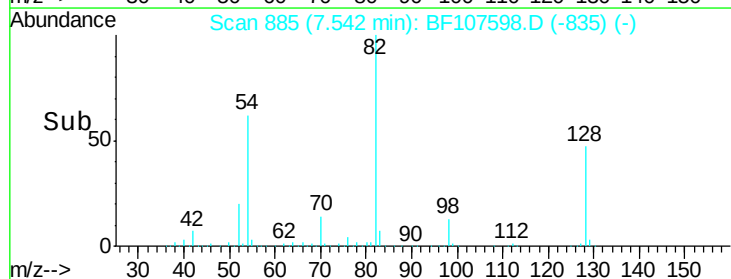
54 61.6 41.4 62.2

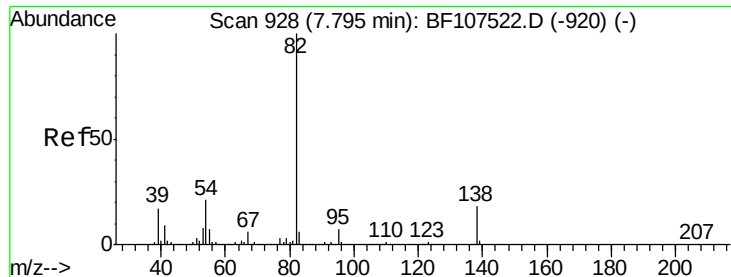


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.521 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.25 min

Lab File: BF107598.D

Acq: 23 Jul 2018 19:46

Instrument :

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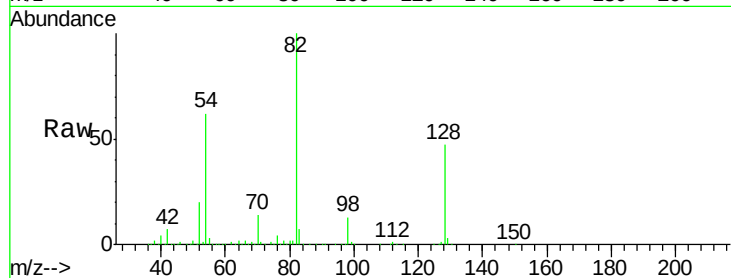
Tgt Ion: 82 Resp: 1213897

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

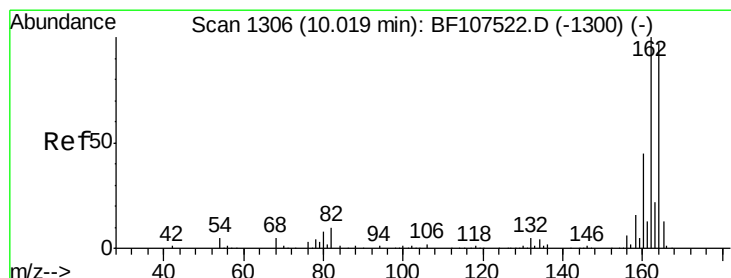
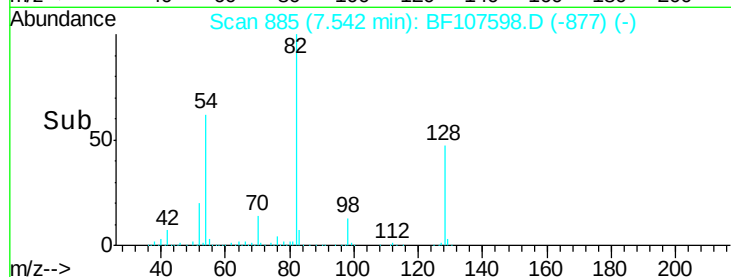
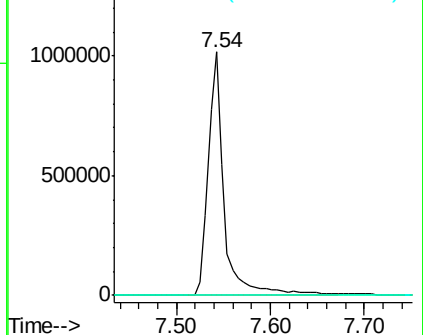
138 0.0 14.9 22.3#



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: 10.02 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF107598.D

Acq: 23 Jul 2018 19:46

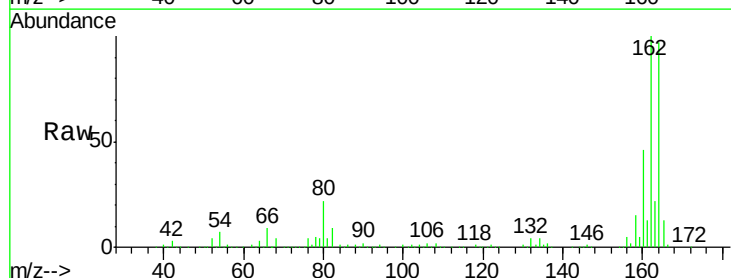
Tgt Ion: 164 Resp: 353458

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

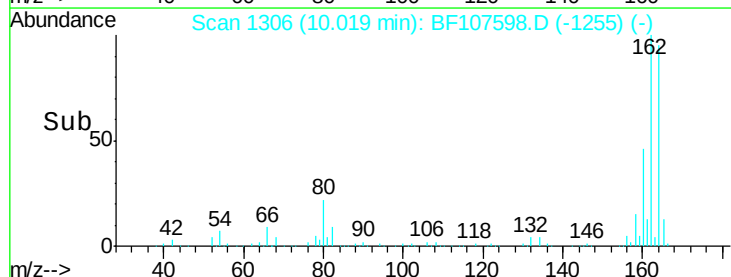
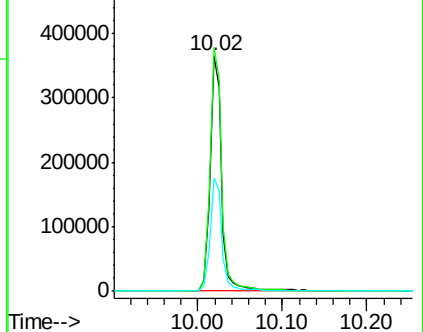
160 47.9 38.3 57.5

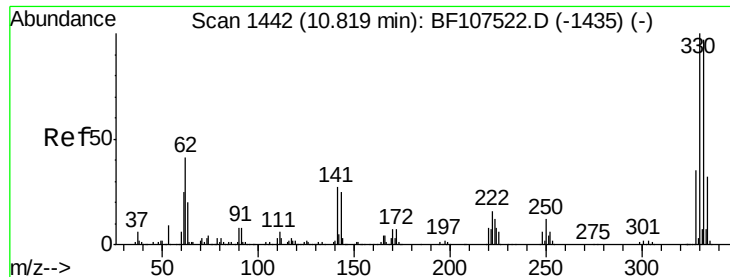


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

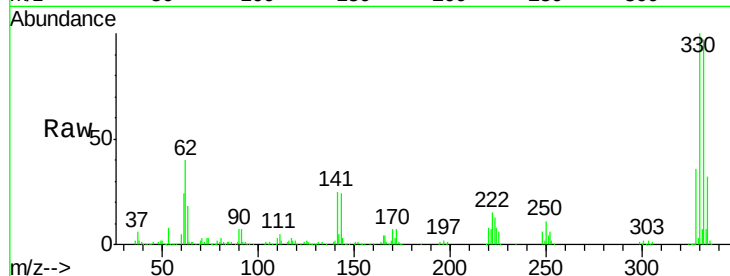




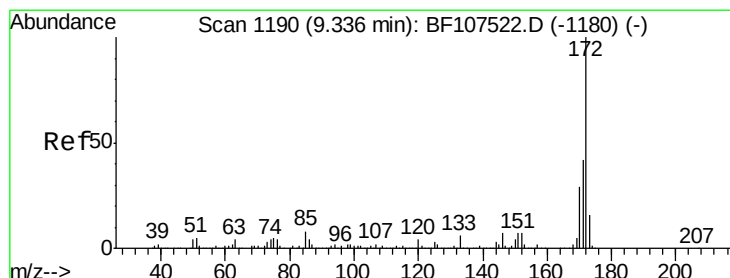
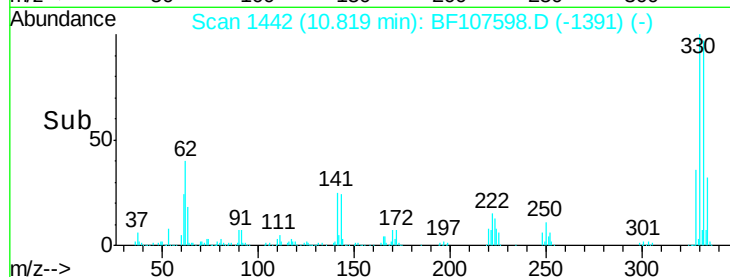
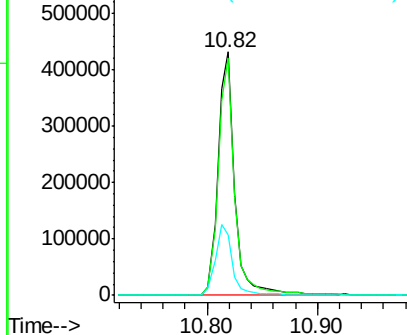
#41
 2,4,6-Tribromophenol
 Concen: 113.223 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BF107598.D
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Tgt Ion:330 Resp: 455085
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 29.8 29.9 44.9#

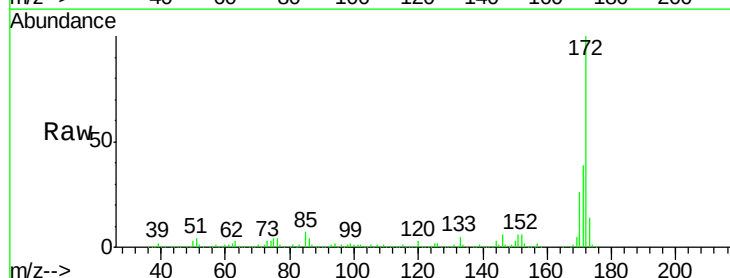


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

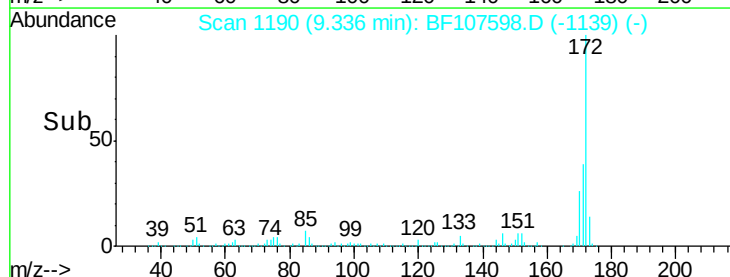
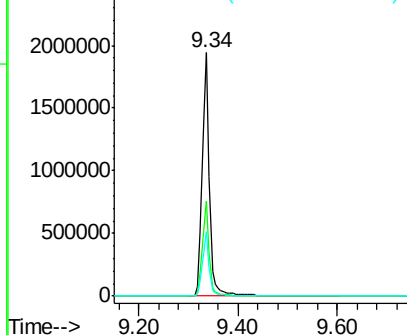


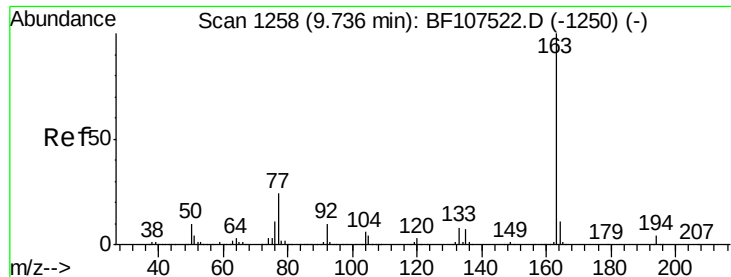
#44
 2-Fluorobiphenyl
 Concen: 101.256 ng
 RT: 9.34 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: BF107598.D
 Acq: 23 Jul 2018 19:46

Tgt Ion:172 Resp: 1984587
 Ion Ratio Lower Upper
 172 100
 171 38.9 29.7 44.5
 170 26.4 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





#49

Dimethylphthalate

Concen: 5.295 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107598.D

Acq: 23 Jul 2018 19:46

Instrument :

BNA_F

ClientSampleId :

MOLA-BOULEVARD

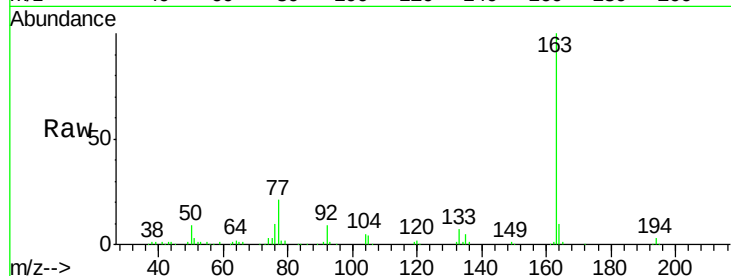
Tgt Ion:163 Resp: 141055

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

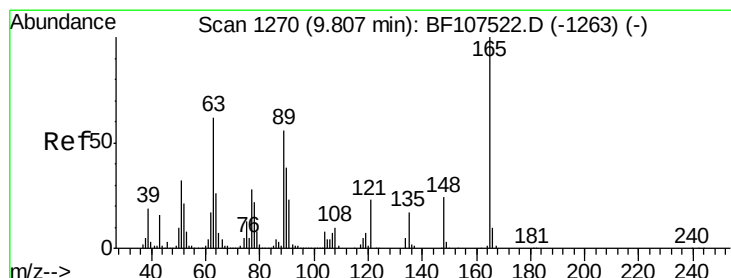
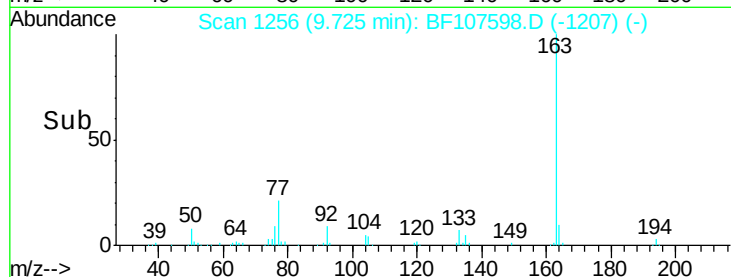
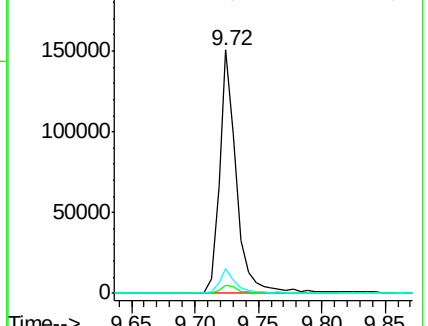
164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.543 ng

RT: 10.02 min Scan# 1306

Delta R.T. 0.21 min

Lab File: BF107598.D

Acq: 23 Jul 2018 19:46

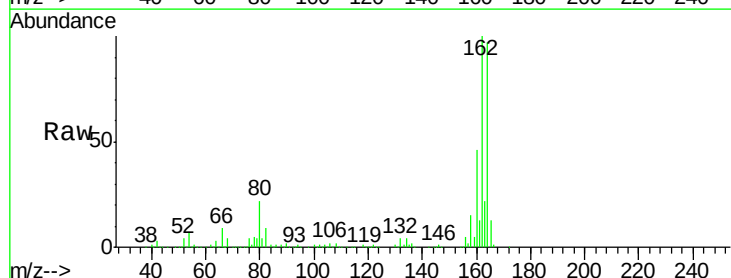
Tgt Ion:165 Resp: 45182

Ion Ratio Lower Upper

165 100

63 1.0 44.7 67.1#

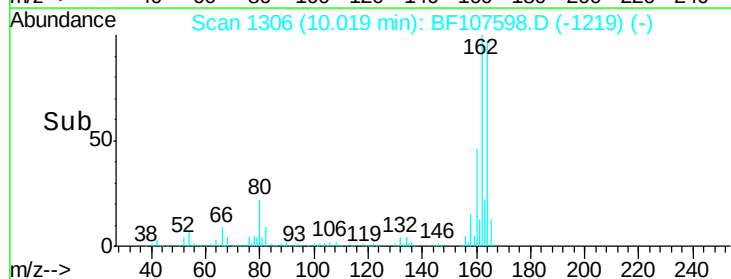
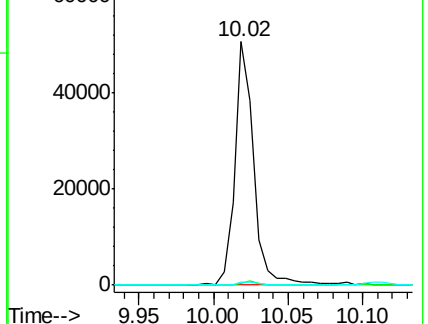
89 1.2 44.0 66.0#

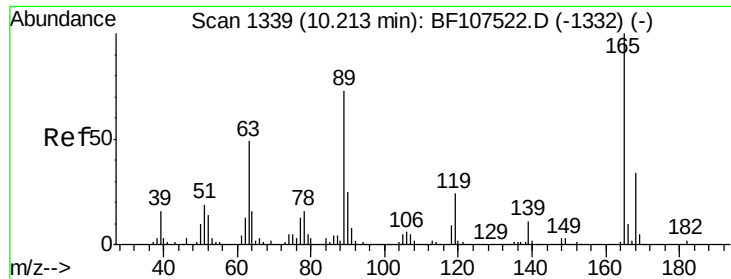


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

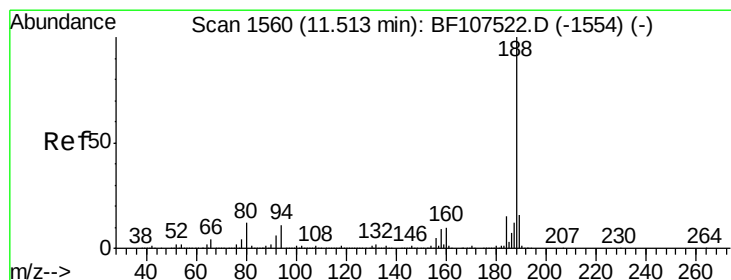
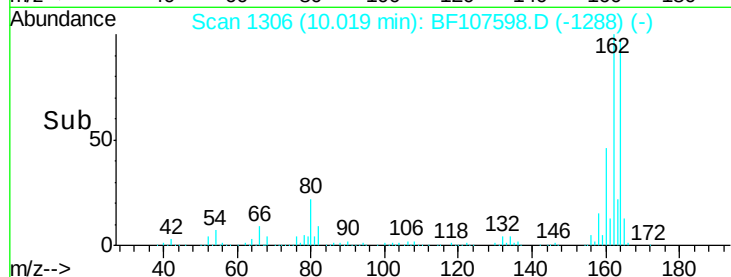
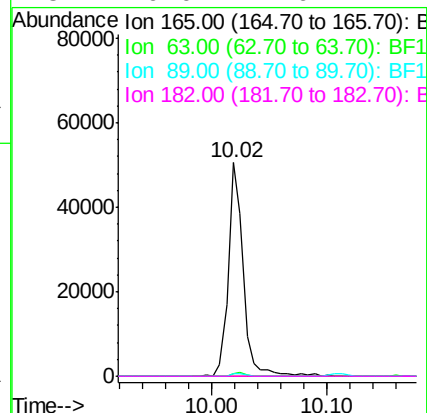
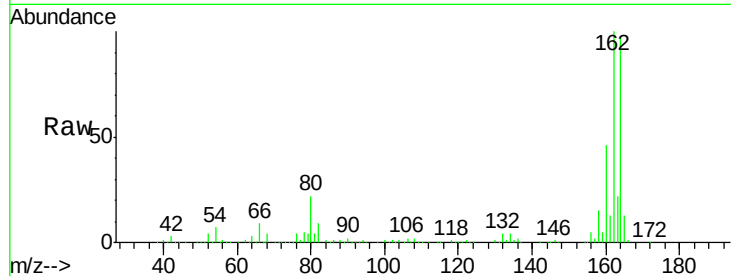




#56
2,4-Dinitrotoluene
Concen: 7.127 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.19 min
Lab File: BF107598.D
Acq: 23 Jul 2018 19:46

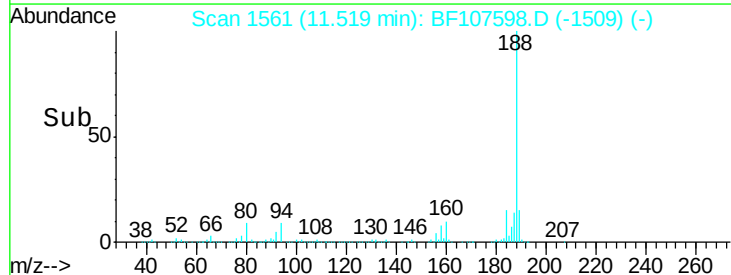
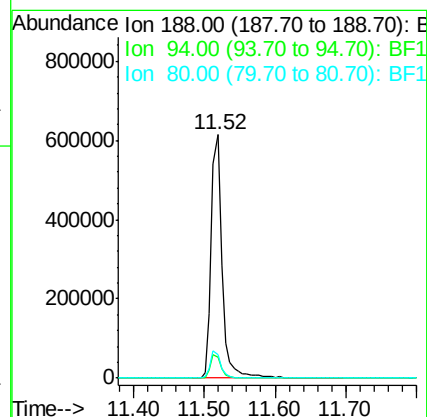
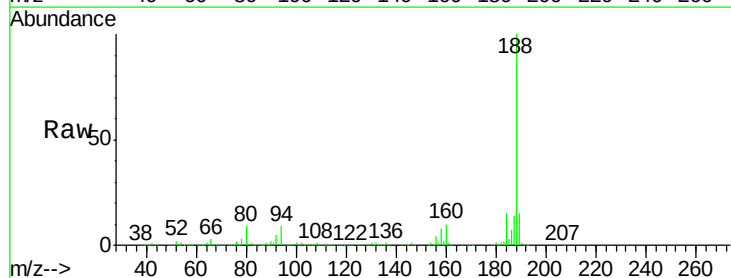
Instrument :
BNA_F
ClientSampleId :
MOLA-BOULEVARD

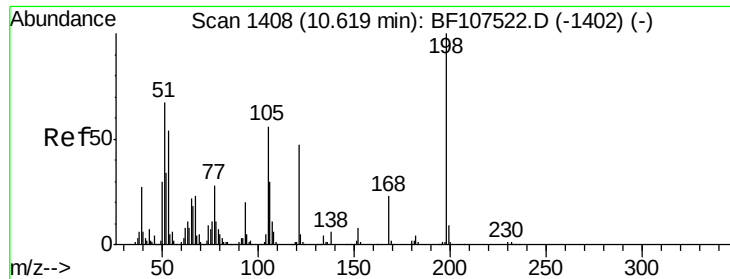
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF107598.D
Acq: 23 Jul 2018 19:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.4	9.2	13.8

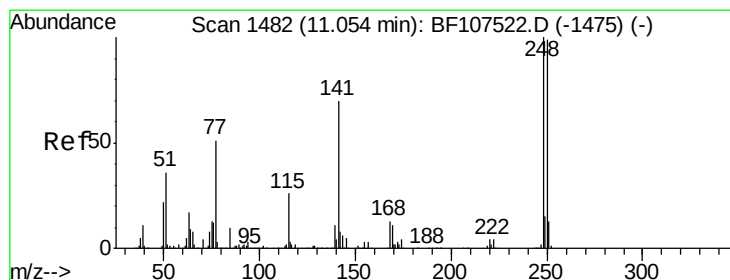
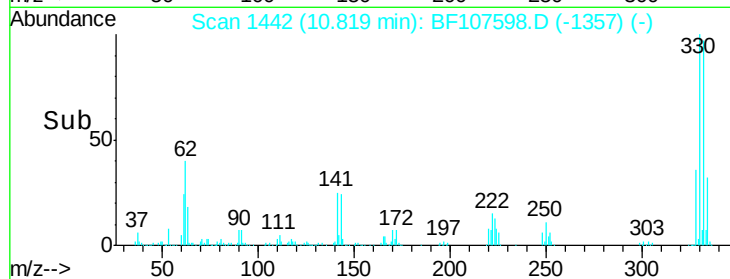
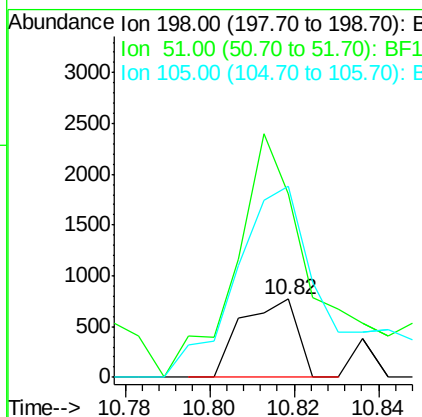
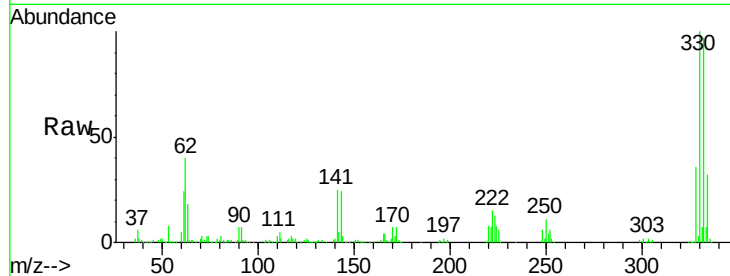




#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.861 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. 0.20 min
 Lab File: BF107598.D
 Acq: 23 Jul 2018 19:46

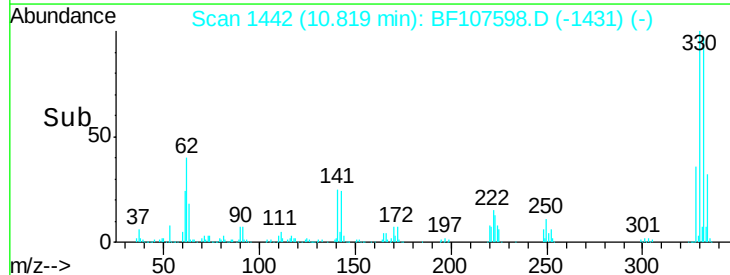
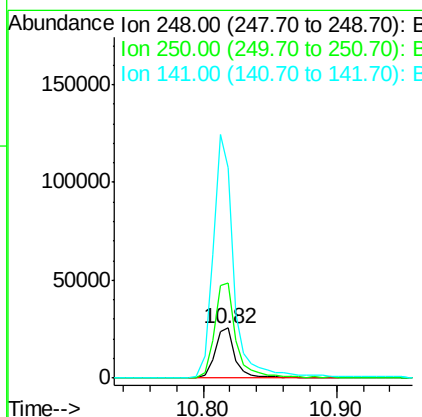
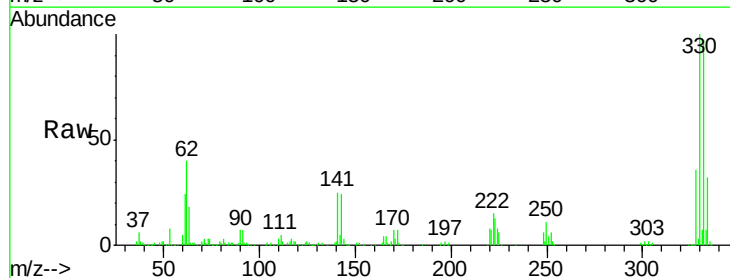
Instrument :
 BNA_F
 ClientSampleId :
 MOLA-BOULEVARD

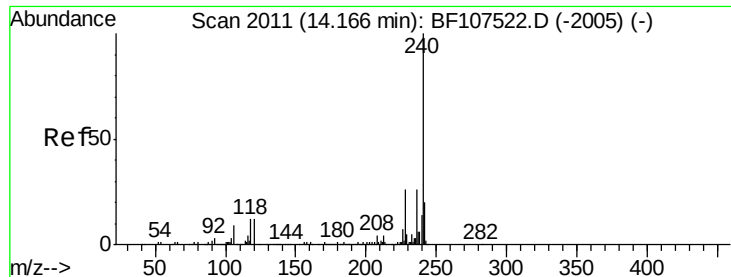
Tgt Ion:198 Resp: 703
 Ion Ratio Lower Upper
 198 100
 51 234.0 37.7 77.7#
 105 244.6 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.532 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. -0.24 min
 Lab File: BF107598.D
 Acq: 23 Jul 2018 19:46

Tgt Ion:248 Resp: 27560
 Ion Ratio Lower Upper
 248 100
 250 190.1 76.9 115.3#
 141 419.2 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF107598.D

Acq: 23 Jul 2018 19:46

Instrument :

BNA_F

ClientSampleId :

MOLA-BOULEVARD

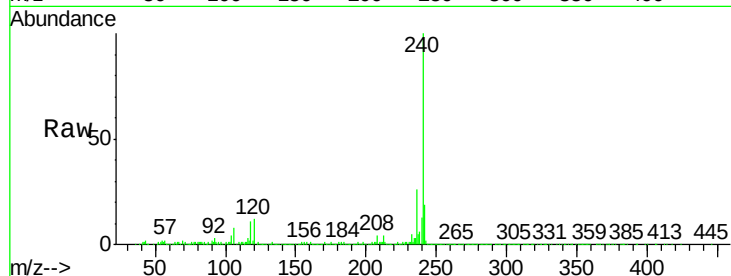
Tgt Ion:240 Resp: 521926

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

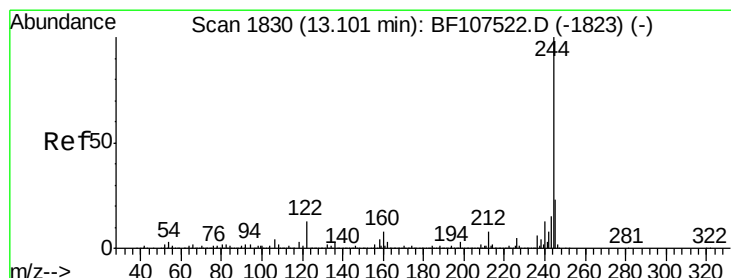
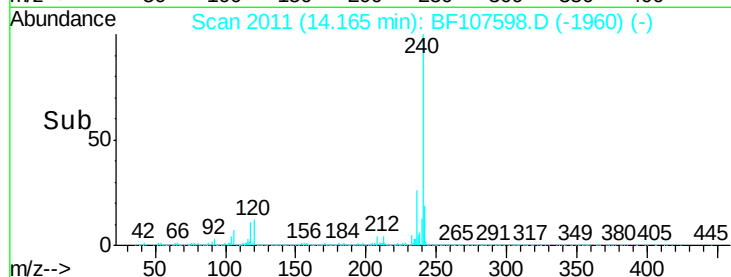
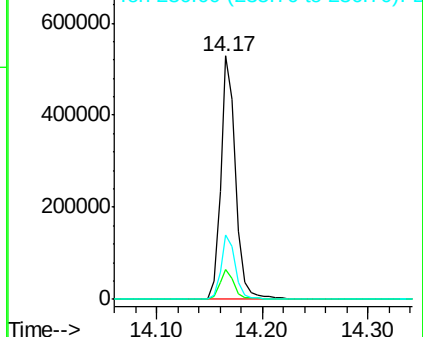
236 26.4 20.7 31.1



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: 90.607 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107598.D

Acq: 23 Jul 2018 19:46

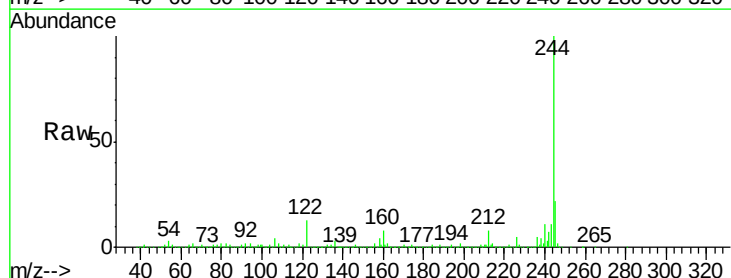
Tgt Ion:244 Resp: 1847214

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

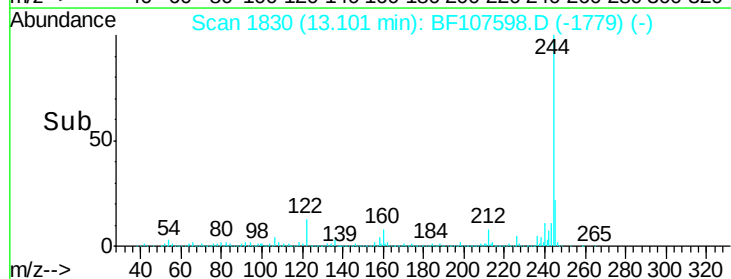
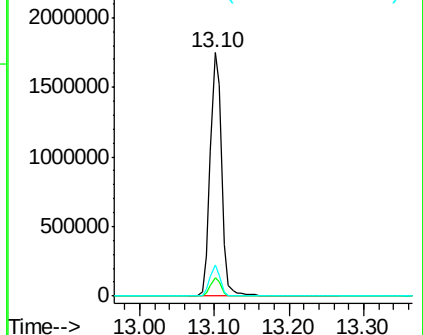
122 13.0 11.0 16.4

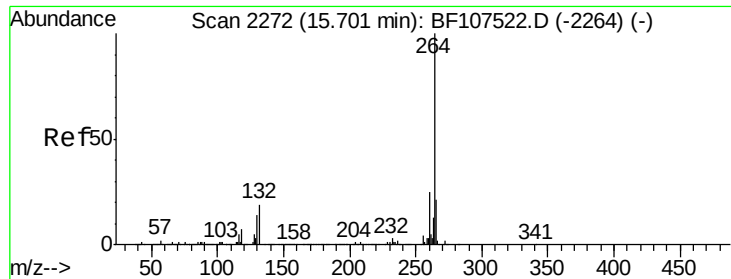


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

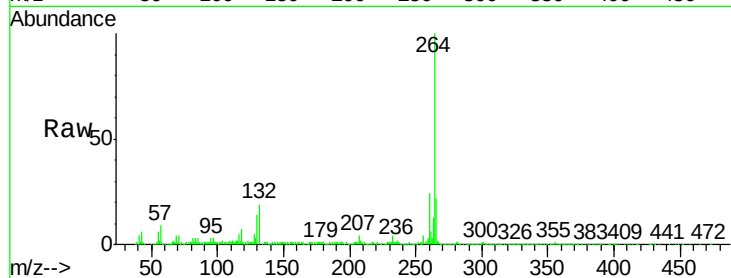




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF107598.D
Acq: 23 Jul 2018 19:46

Instrument :
BNA_F
ClientSampleId :
MOLA-BOULEVARD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	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

