

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107564.D
 Acq On : 21 Jul 2018 9:50
 Operator : JU/SJ
 Sample : J4061-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 071718-TIPC-F-D-B

Quant Time: Jul 23 03:27:24 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	6.97	152	332991	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1192751	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	445281	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	749998	20.00	ng	0.00
75) Chrysene-d12	14.16	240	734891	20.00	ng	0.00
86) Perylene-d12	15.69	264	596413	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	866368	41.83	ng	0.00
7) Phenol-d6	6.60	99	746499	30.02	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1797469	101.70	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	415993	82.15	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	2738929	116.34	ng	0.00
78) Terphenyl-d14	13.09	244	2259341	78.71	ng	0.00

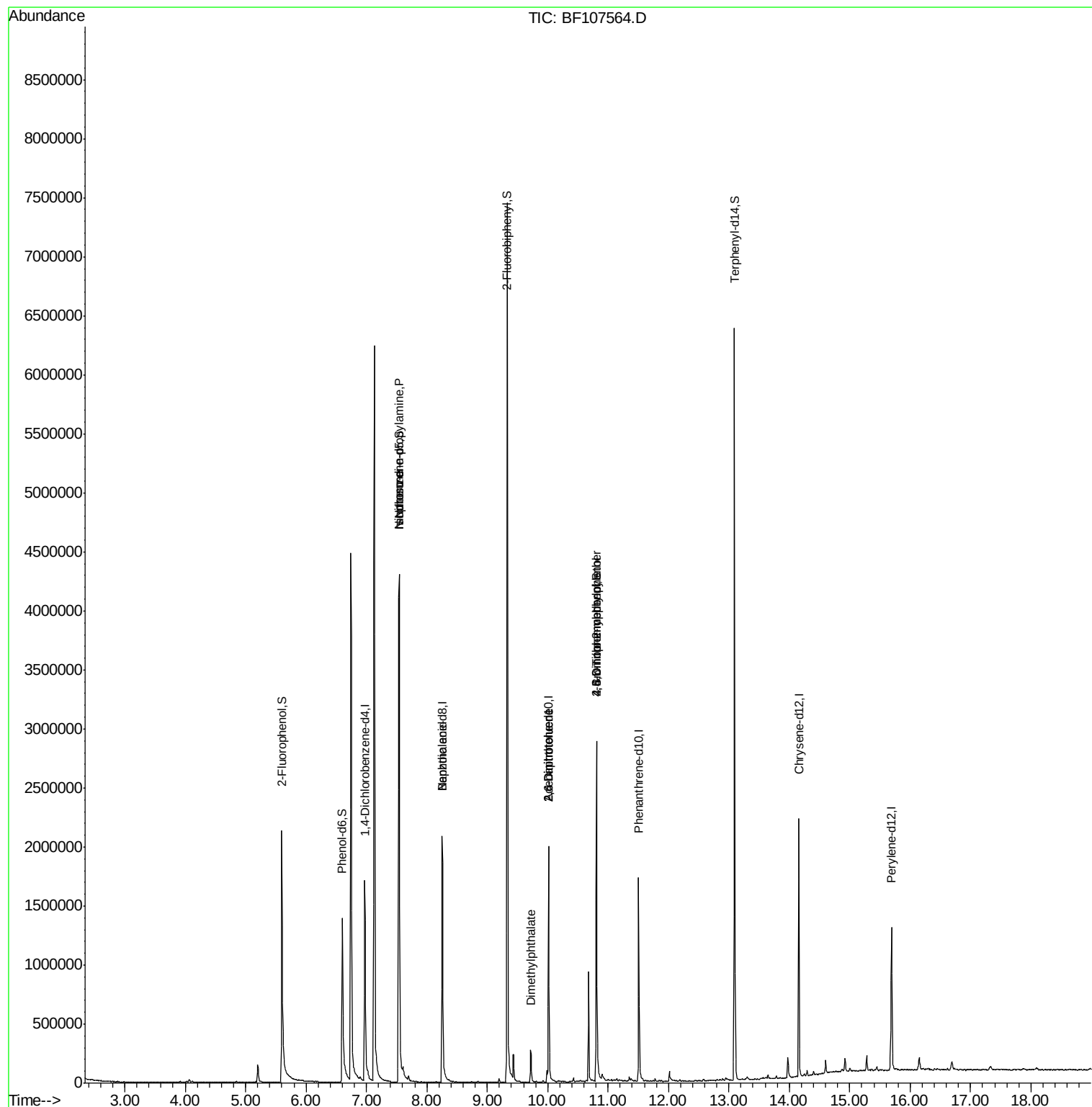
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	245941	15.309	ng	# 77
25) Isophorone	7.54	82	1797458	47.632	ng	# 64
32) Benzoic acid	8.26	122	125	7.909	ng	# 1
49) Dimethylphthalate	9.72	163	132412	3.946	ng	# 98
50) 2,6-Dinitrotoluene	10.02	165	55053	8.263	ng	# 26
56) 2,4-Dinitrotoluene	10.02	165	55604	6.914	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.81	198	617	8.820	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	24650	2.792	ng	# 1
73) Di-n-butylphthalate	12.05	149	1855	Below Cal		# 78
81) 3,3'-Dichlorobenzidine	14.27	252	109	Below Cal		# 27

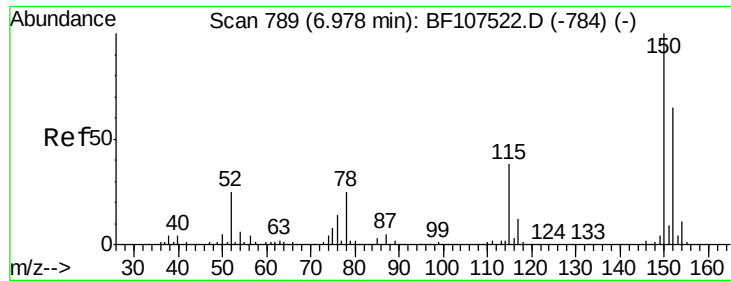
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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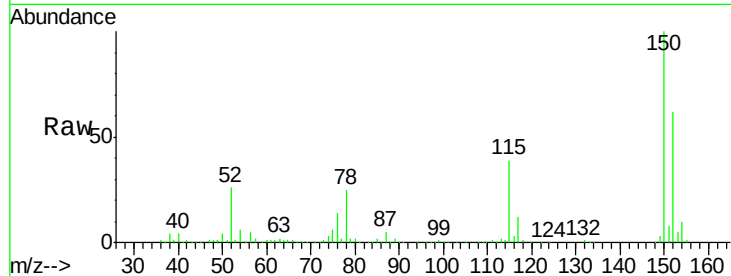


#1

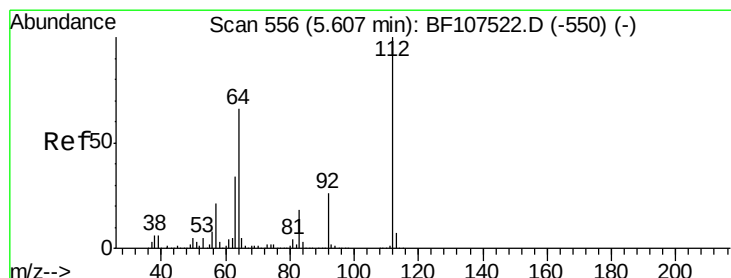
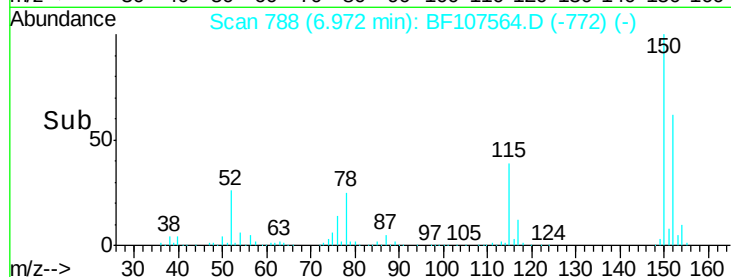
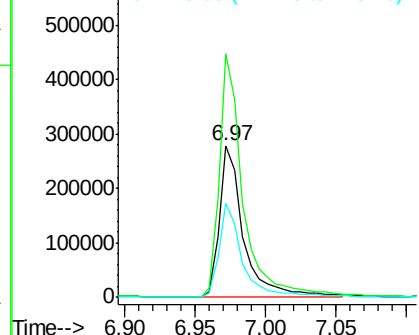
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107564.D
Acq: 21 Jul 2018 9:50

Instrument :
BNA_F
ClientSampleId :
071718-TIPC-F-D-B

Tgt Ion:152 Resp: 332991
Ion Ratio Lower Upper
152 100
150 160.7 124.6 186.8
115 62.1 50.1 75.1



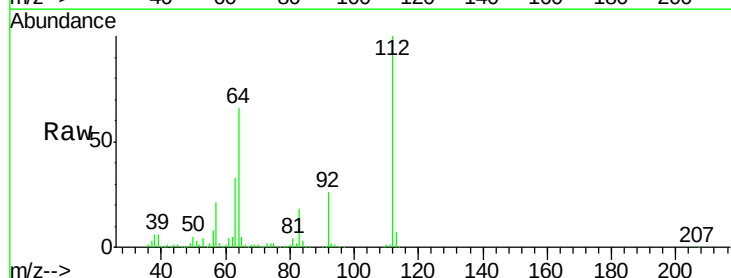
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



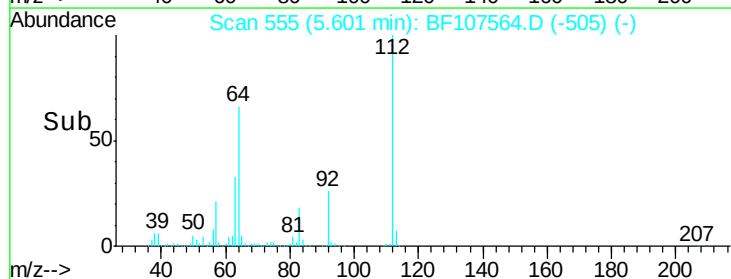
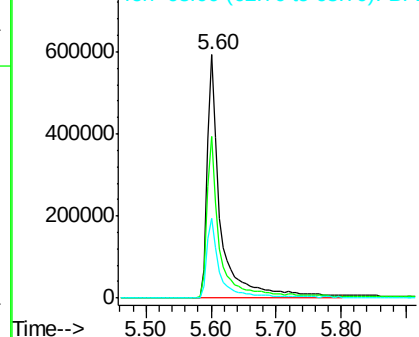
#5

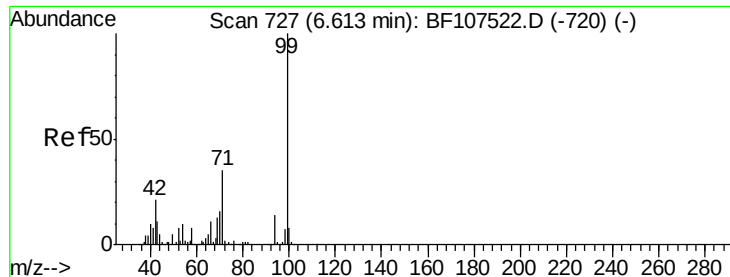
2-Fluorophenol
Concen: 41.832 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107564.D
Acq: 21 Jul 2018 9:50

Tgt Ion:112 Resp: 866368
Ion Ratio Lower Upper
112 100
64 66.3 47.9 71.9
63 33.0 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: 30.018 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

Instrument :

BNA_F

ClientSampleId :

071718-TIPC-F-D-B

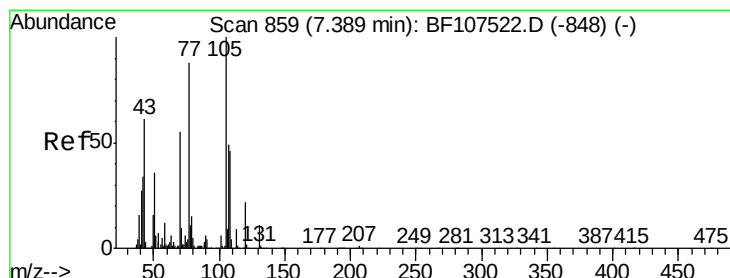
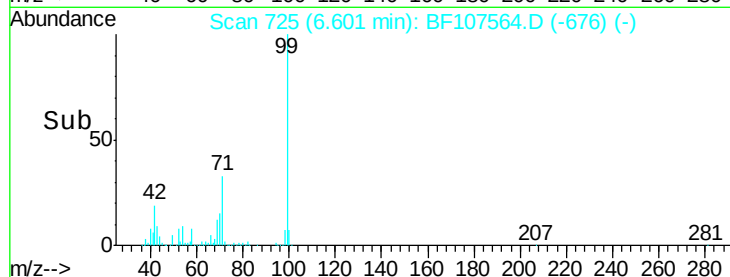
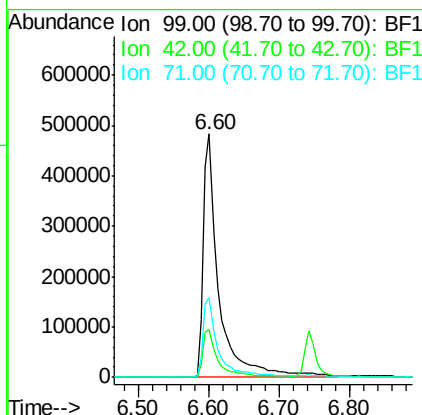
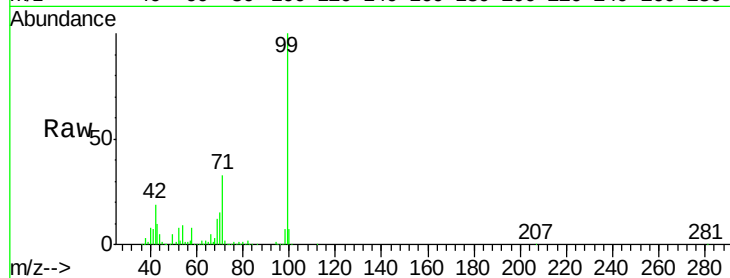
Tgt Ion: 99 Resp: 746499

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 33.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.309 ng

RT: 7.54 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

Tgt Ion: 70 Resp: 245941

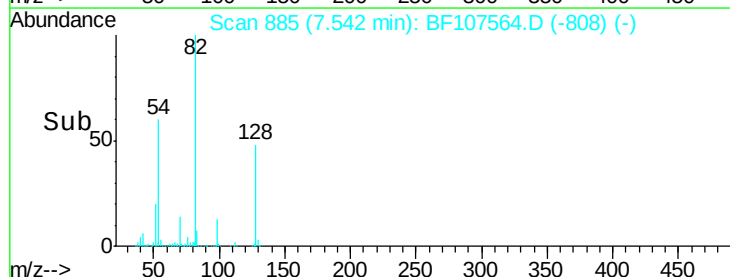
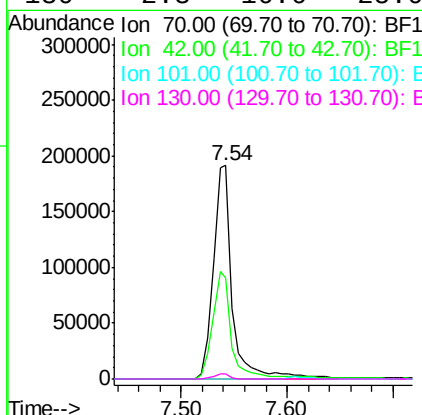
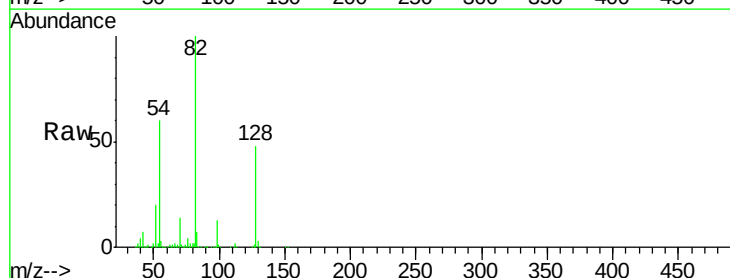
Ion Ratio Lower Upper

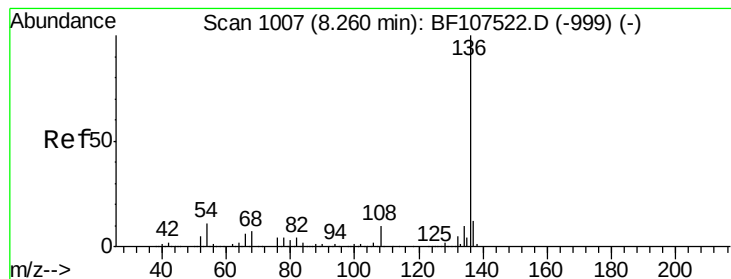
70 100

42 47.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

Instrument :

BNA_F

ClientSampleId :

071718-TIPC-F-D-B

Tgt Ion:136 Resp: 1192751

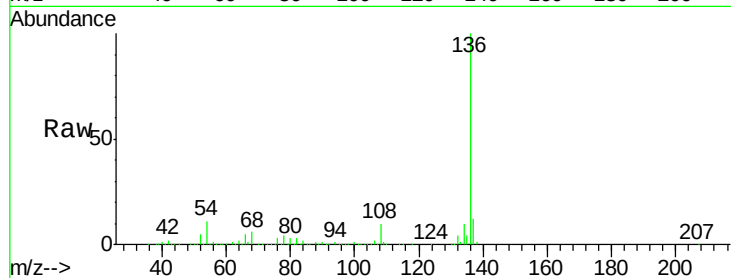
Ion Ratio Lower Upper

136 100

137 11.9 8.9 13.3

54 10.7 6.6 9.8#

68 6.3 5.0 7.4

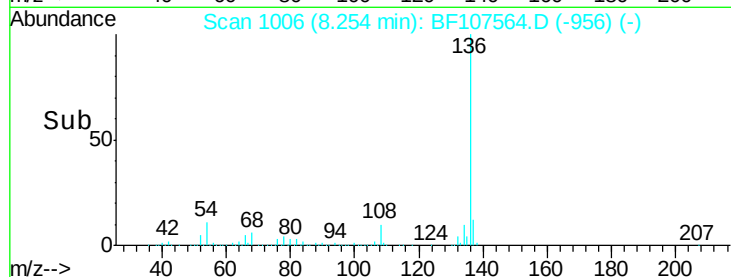


Abundance Ion 136.00 (135.70 to 136.70): E

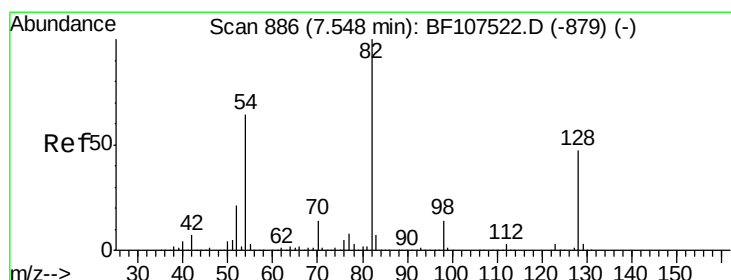
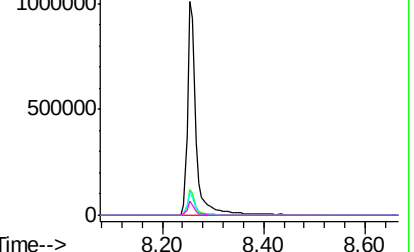
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 101.703 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

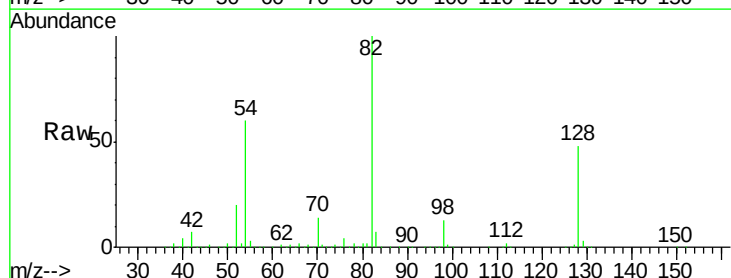
Tgt Ion: 82 Resp: 1797469

Ion Ratio Lower Upper

82 100

128 47.8 36.1 54.1

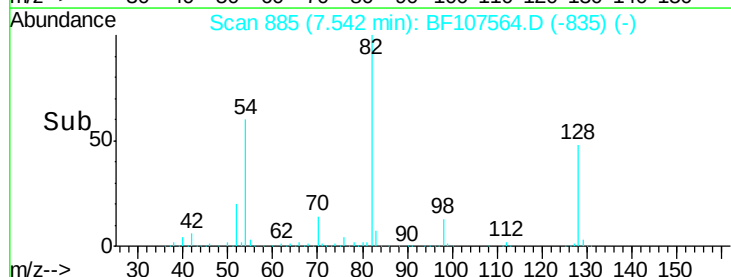
54 60.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

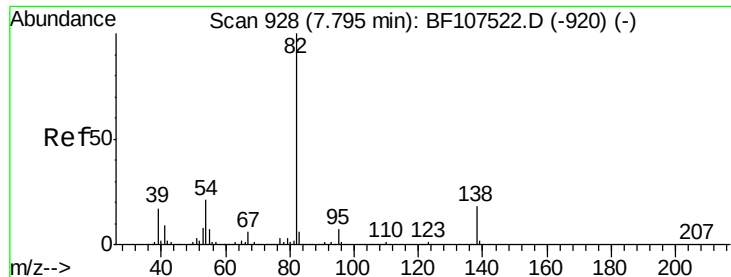
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 47.632 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.25 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

Instrument :

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ClientSampleId :

071718-TIPC-F-D-B

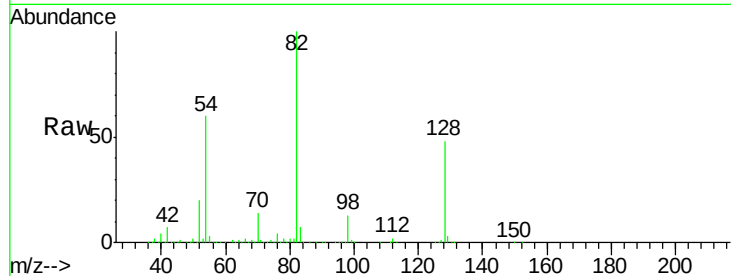
Tgt Ion: 82 Resp: 1797458

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

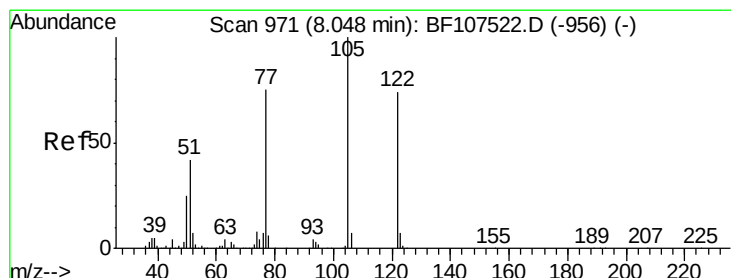
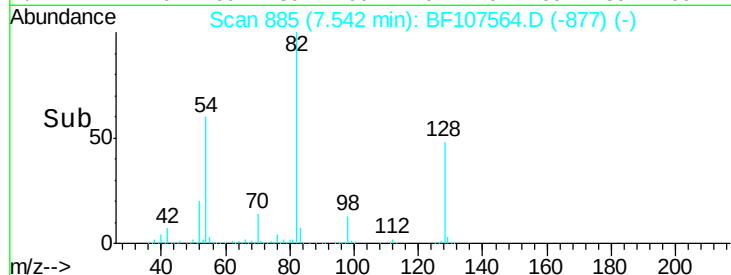
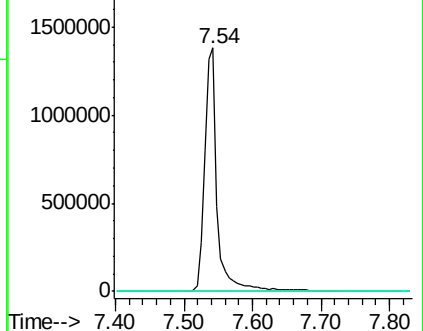
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 7.909 ng

RT: 8.26 min Scan# 1007

Delta R.T. 0.21 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

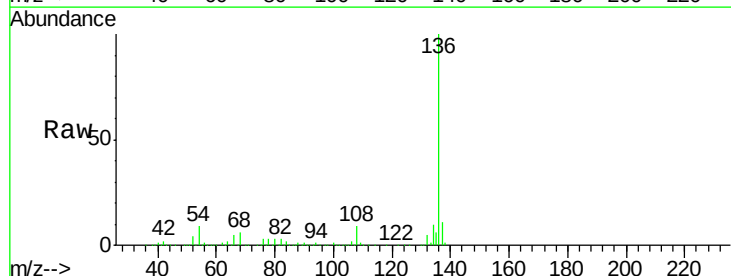
Tgt Ion: 122 Resp: 125

Ion Ratio Lower Upper

122 100

105 236.5 101.1 141.1#

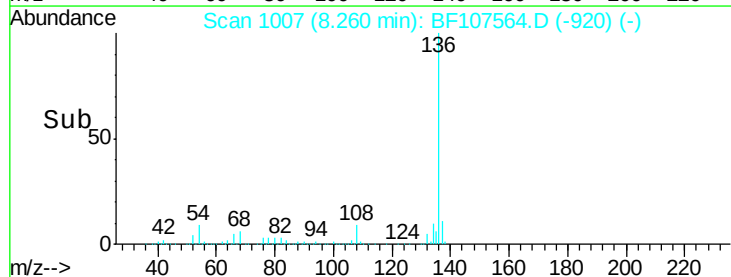
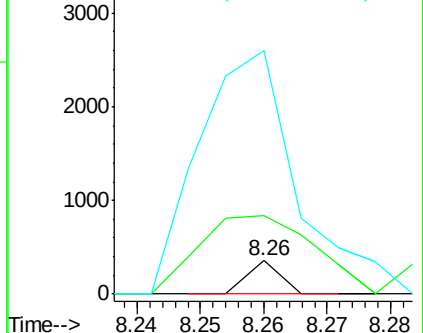
77 736.3 70.7 110.7#

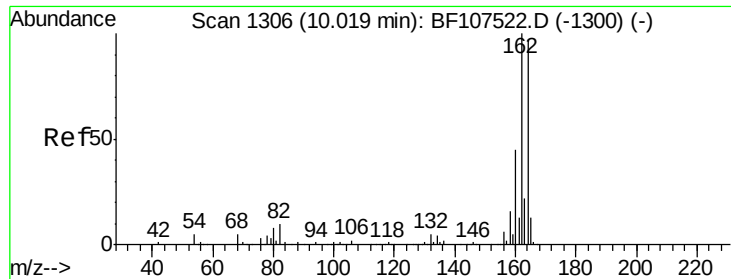


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

Instrument :

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ClientSampleId :

071718-TIPC-F-D-B

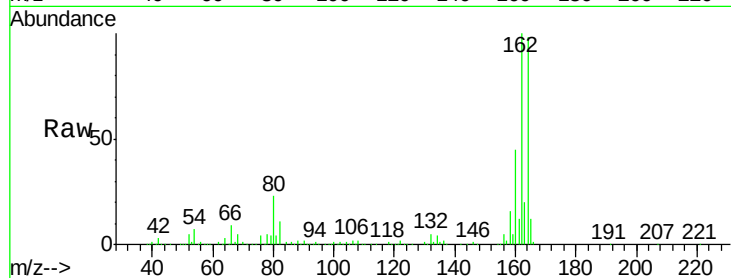
Tgt Ion:164 Resp: 445281

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

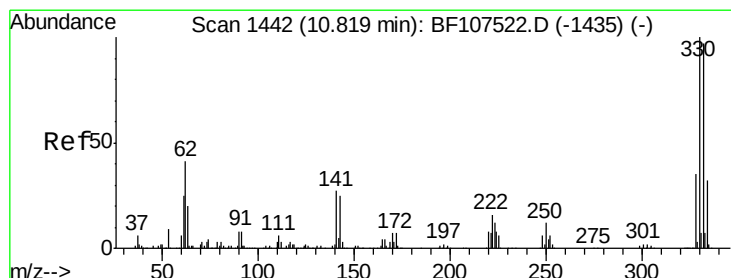
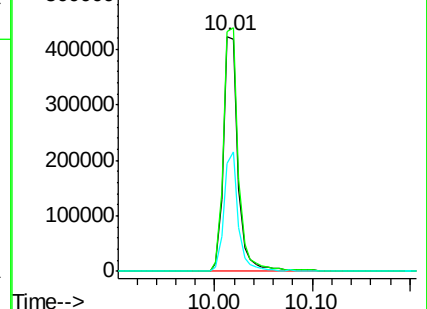
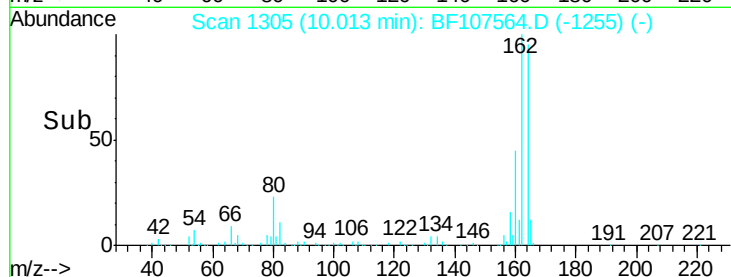
160 46.1 38.3 57.5



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: 82.155 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

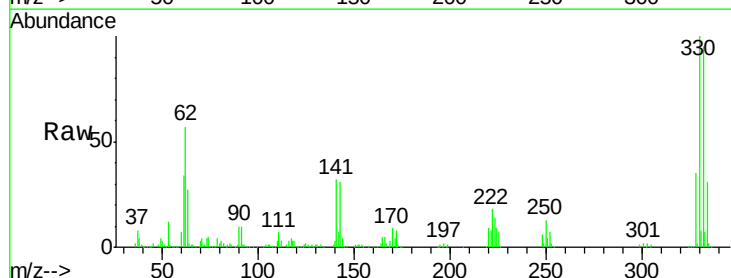
Tgt Ion:330 Resp: 415993

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

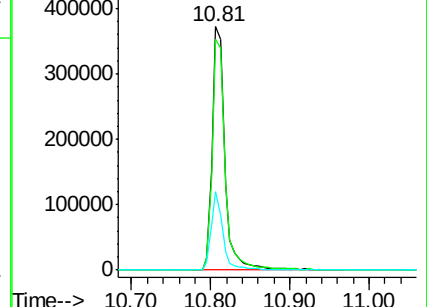
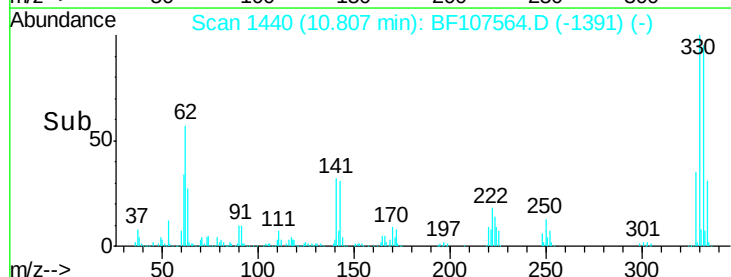
141 30.2 29.9 44.9

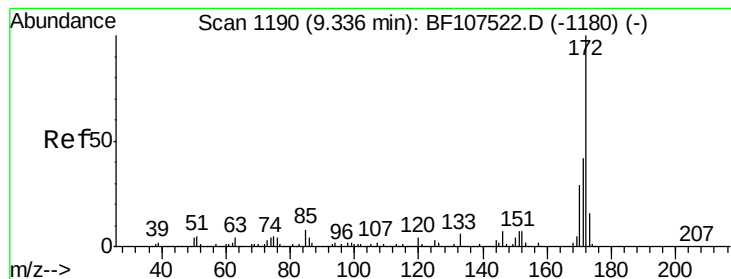


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 116.336 ng

RT: 9.33 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

Instrument :

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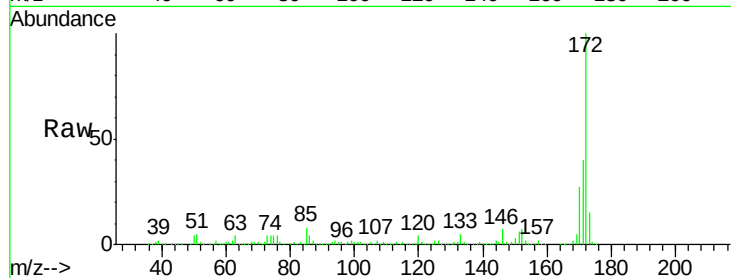
Tgt Ion:172 Resp: 2738929

Ion Ratio Lower Upper

172 100

171 39.6 29.7 44.5

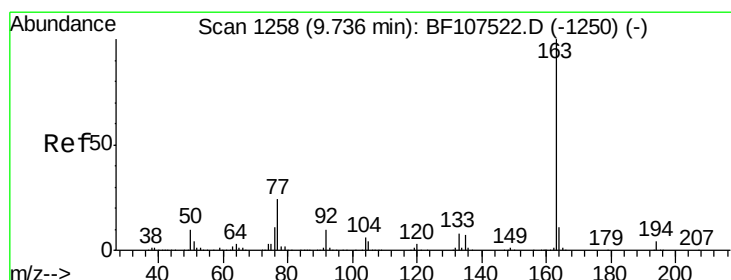
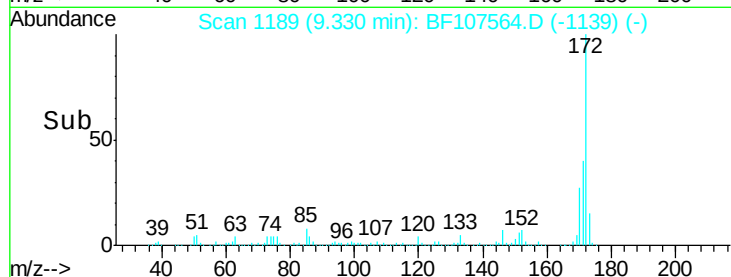
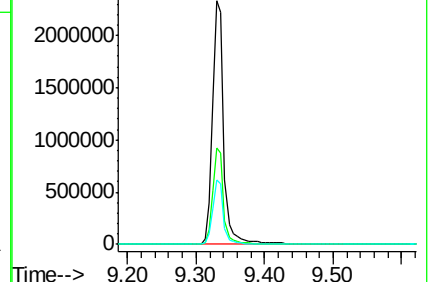
170 26.6 19.6 29.4



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: 3.946 ng

RT: 9.72 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

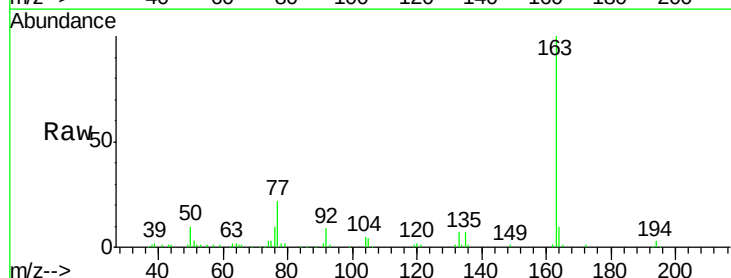
Tgt Ion:163 Resp: 132412

Ion Ratio Lower Upper

163 100

194 2.7 2.7 4.1

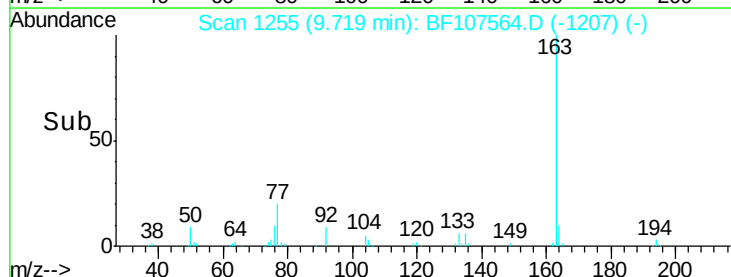
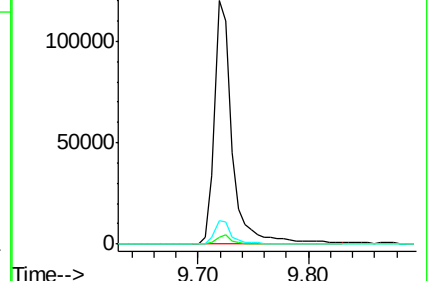
164 9.6 8.2 12.2

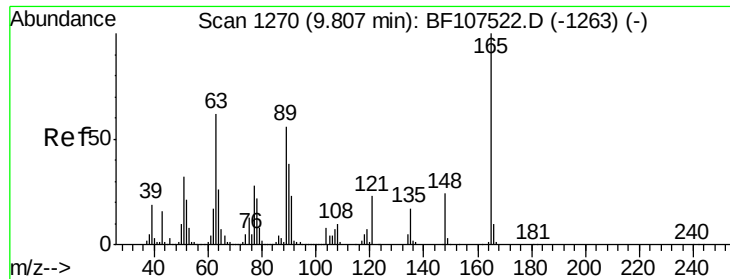


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

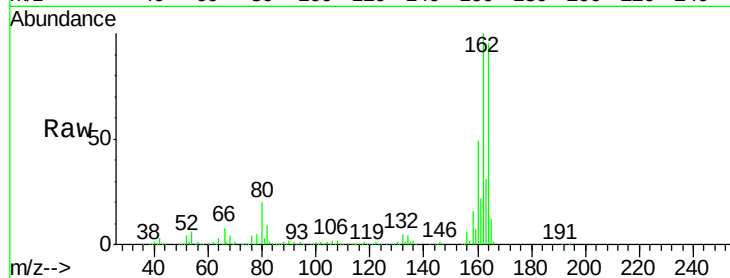




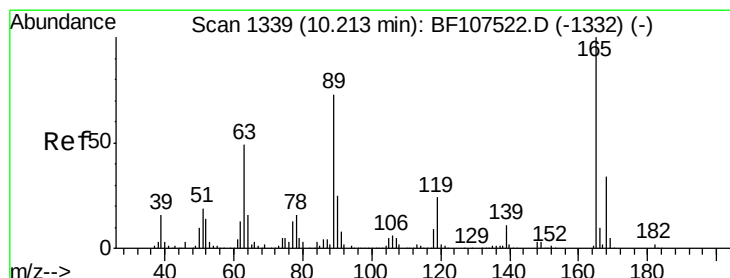
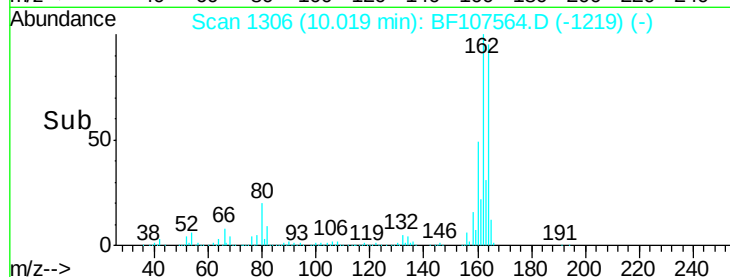
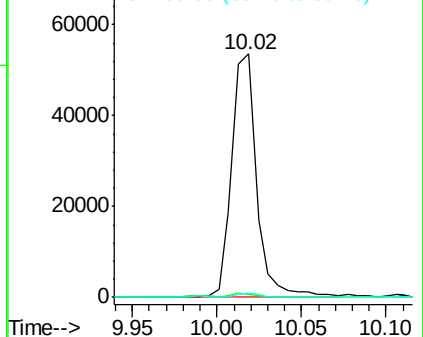
#50
 2,6-Dinitrotoluene
 Concen: 8.263 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. 0.21 min
 Lab File: BF107564.D
 Acq: 21 Jul 2018 9:50

Instrument :
 BNA_F
 ClientSampleId :
 071718-TIPC-F-D-B

Tgt Ion:165 Resp: 55053
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.7 67.1#
 89 1.8 44.0 66.0#



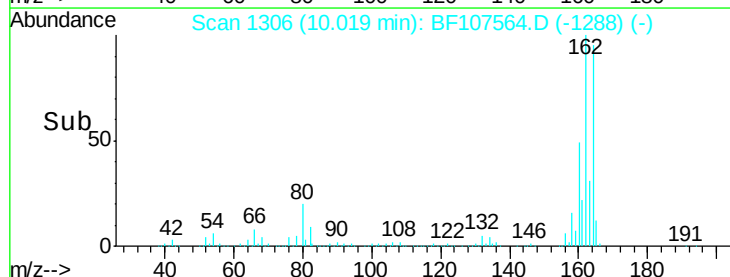
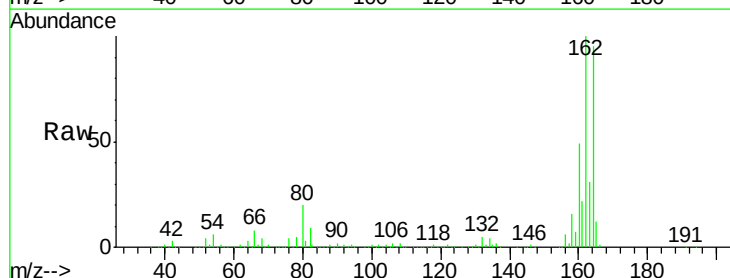
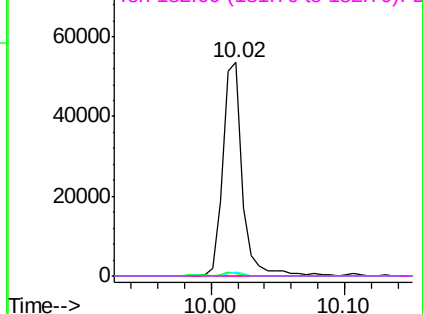
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

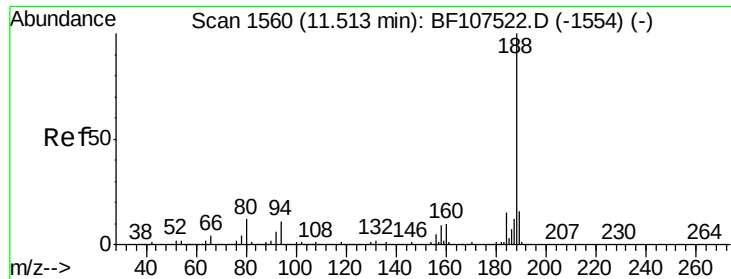


#56
 2,4-Dinitrotoluene
 Concen: 6.914 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.19 min
 Lab File: BF107564.D
 Acq: 21 Jul 2018 9:50

Tgt Ion:165 Resp: 55604
 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#

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: 11.51 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

Instrument :

BNA_F

ClientSampleId :

071718-TIPC-F-D-B

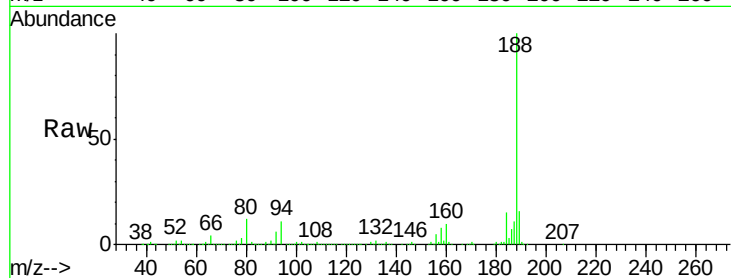
Tgt Ion:188 Resp: 749998

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

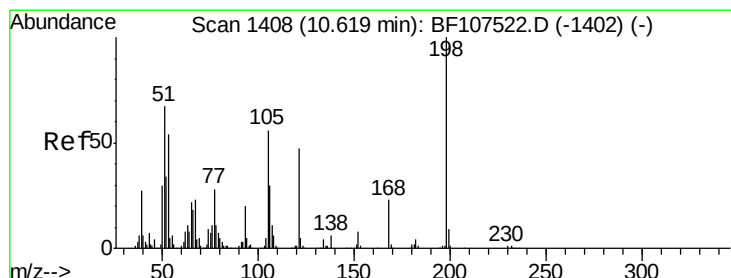
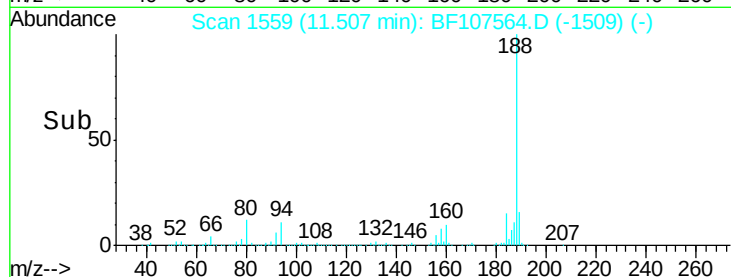
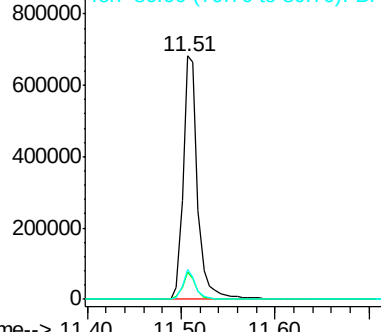
80 12.3 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.820 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

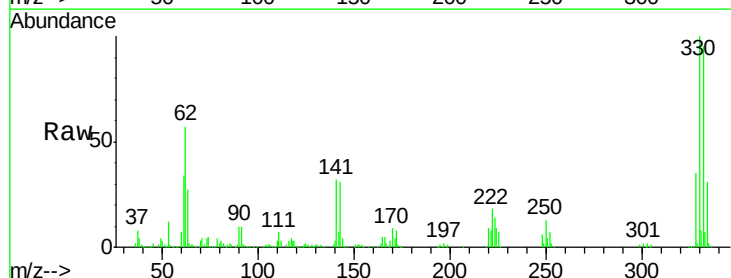
Tgt Ion:198 Resp: 617

Ion Ratio Lower Upper

198 100

51 393.6 37.7 77.7#

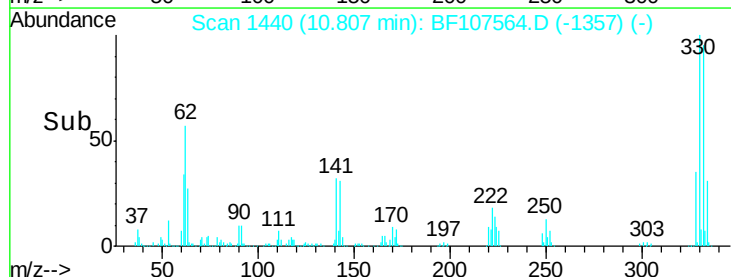
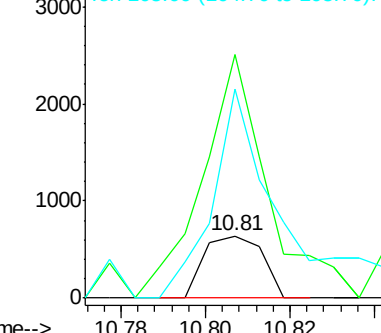
105 338.1 36.3 76.3#

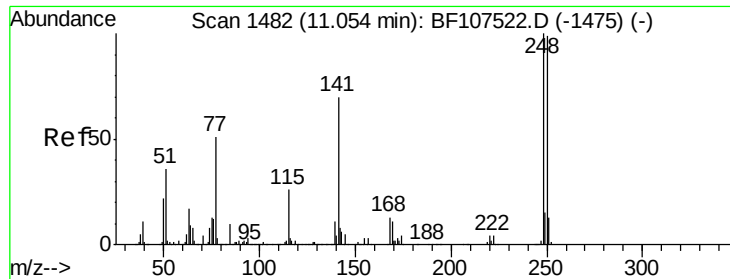


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

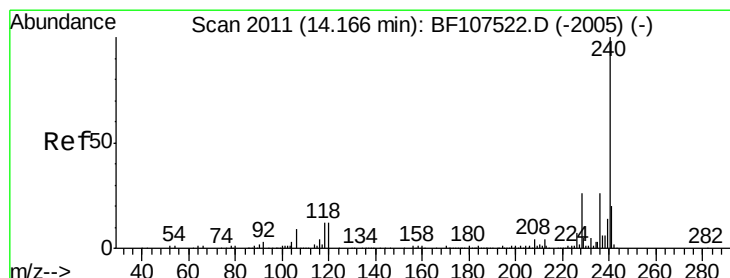
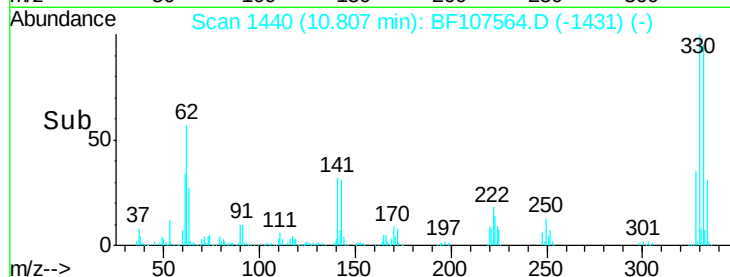
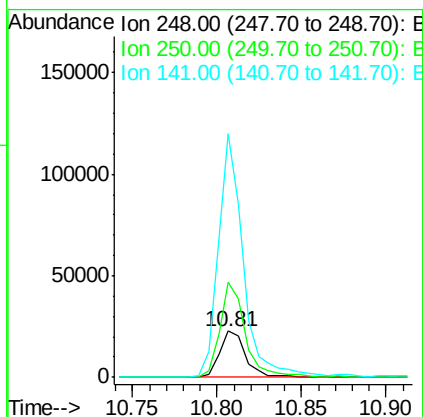
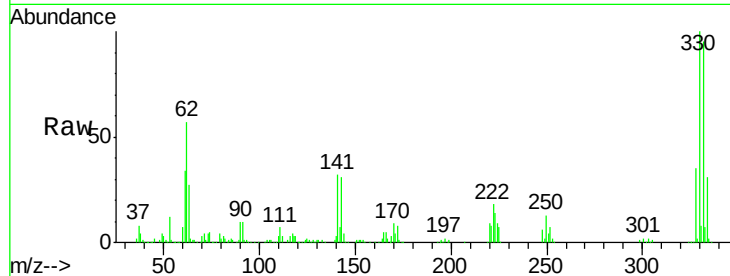




#66
 4-Bromophenyl-phenylether
 Concen: 2.792 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF107564.D
 Acq: 21 Jul 2018 9:50

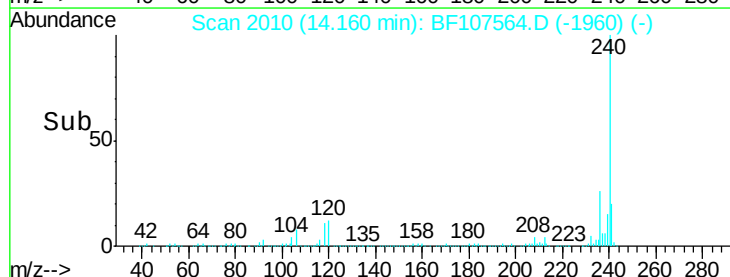
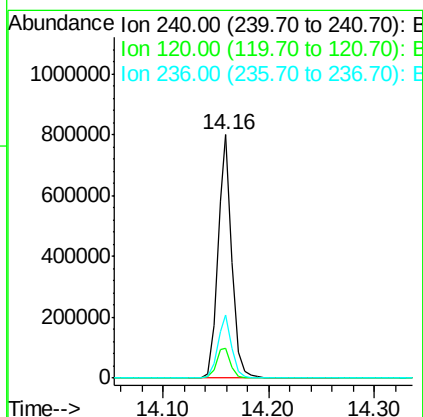
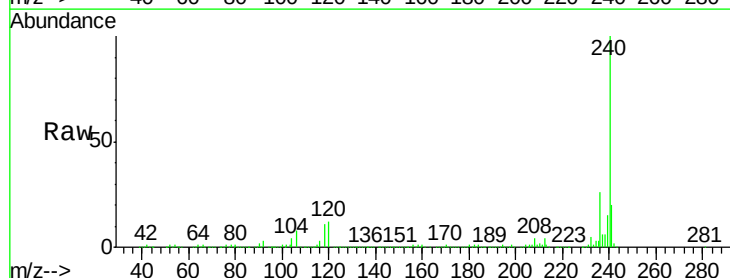
Instrument :
 BNA_F
 ClientSampleId :
 071718-TIPC-F-D-B

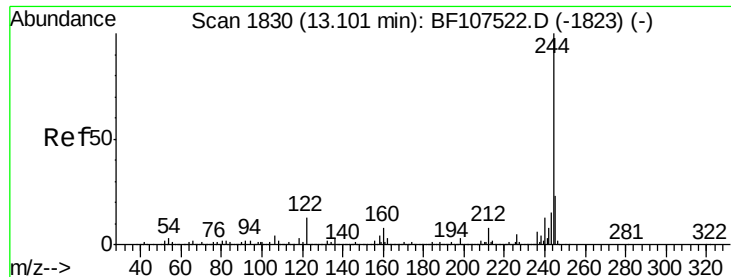
Tgt Ion:248 Resp: 24650
 Ion Ratio Lower Upper
 248 100
 250 204.9 76.9 115.3#
 141 526.5 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF107564.D
 Acq: 21 Jul 2018 9:50

Tgt Ion:240 Resp: 734891
 Ion Ratio Lower Upper
 240 100
 120 12.3 9.5 14.3
 236 25.8 20.7 31.1





#78

Terphenyl-d14

Concen: 78.707 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

Instrument :

BNA_F

ClientSampleId :

071718-TIPC-F-D-B

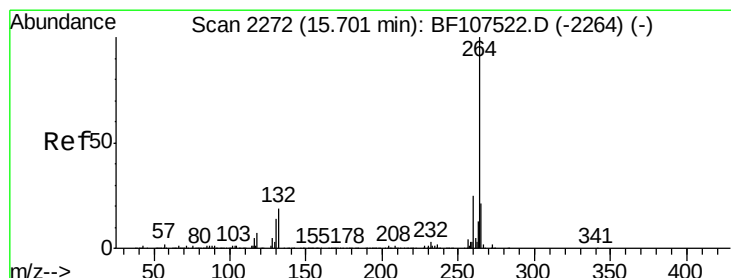
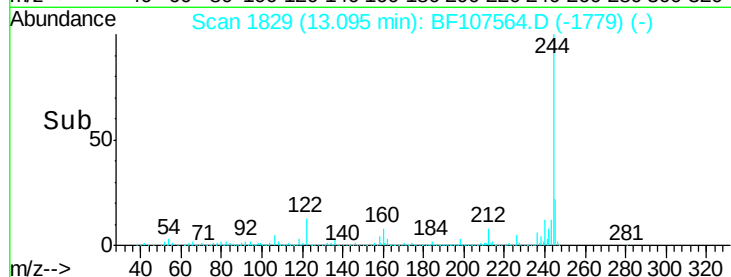
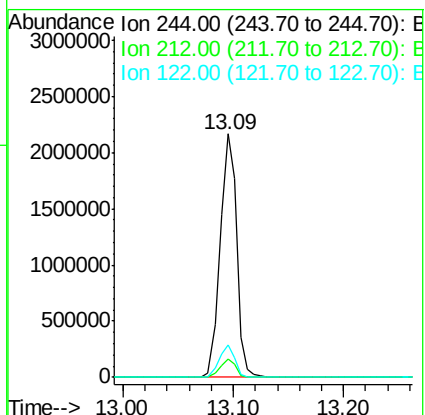
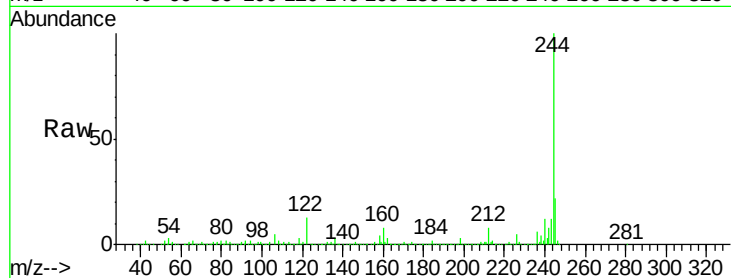
Tgt Ion:244 Resp: 2259341

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

122 13.2 11.0 16.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF107564.D

Acq: 21 Jul 2018 9:50

Tgt Ion:264 Resp: 596413

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.2 17.5 26.3

