

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107571.D
 Acq On : 21 Jul 2018 12:55
 Operator : JU/SJ
 Sample : J4094-04
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 071818-DBRI-E-U-B

Quant Time: Jul 23 03:28:43 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	363135	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1299049	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	490137	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	817922	20.00	ng	0.00
75) Chrysene-d12	14.16	240	804177	20.00	ng	0.00
86) Perylene-d12	15.69	264	638789	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	915449	40.53	ng	0.00
7) Phenol-d6	6.60	99	756380	27.89	ng	-0.02
23) Nitrobenzene-d5	7.54	82	1885521	97.96	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	433021	77.69	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	2894575	109.21	ng	0.00
78) Terphenyl-d14	13.10	244	2188742	69.68	ng	0.00

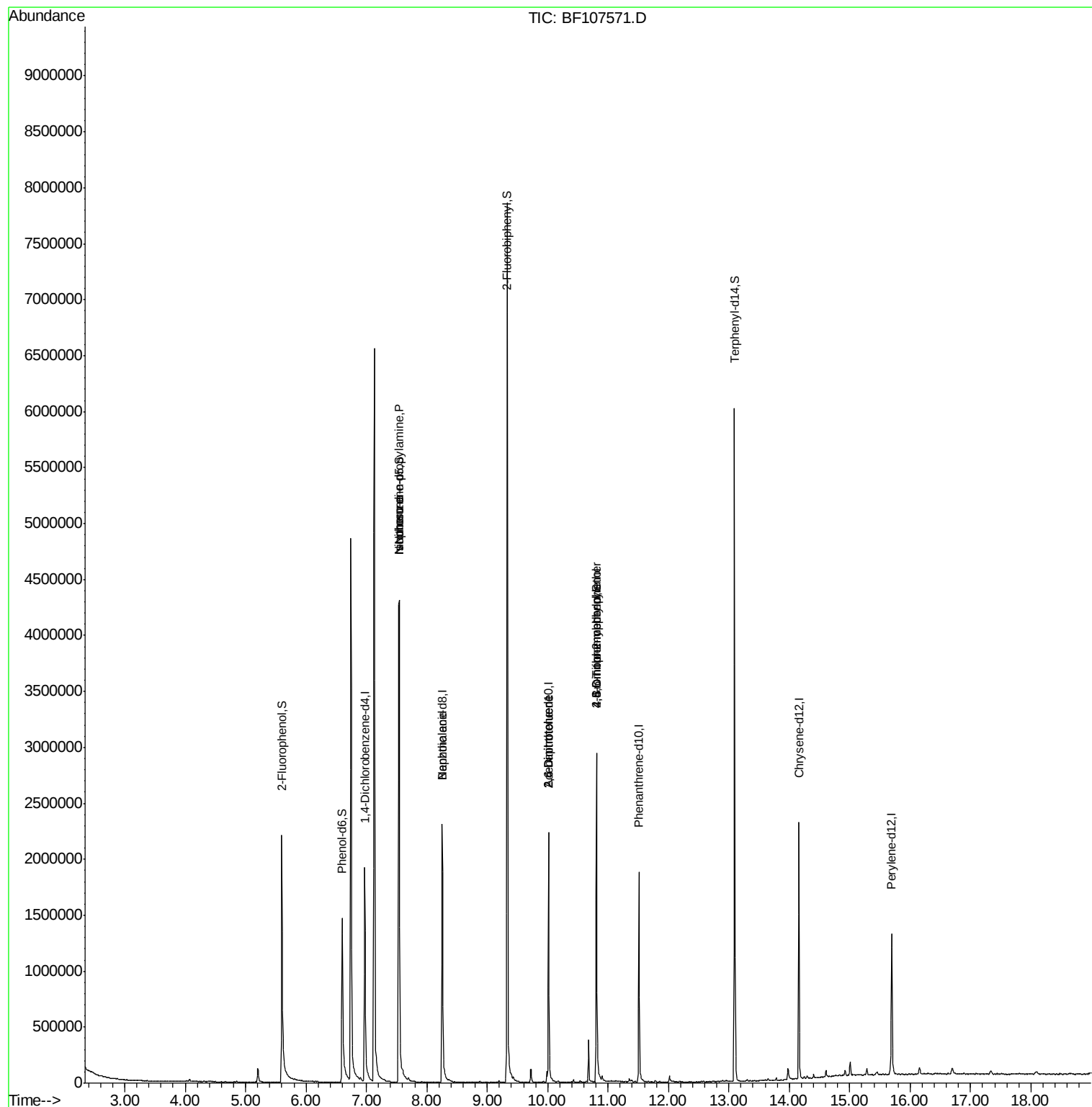
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	1323	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.54	70	253108	14.447	ng	# 80
25) Isophorone	7.54	82	1885512	45.877	ng	# 64
32) Benzoic acid	8.25	122	280	7.919	ng	# 11
50) 2,6-Dinitrotoluene	10.01	165	62633	8.540	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	62816	7.096	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	765	8.839	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	27033	2.808	ng	# 1
73) Di-n-butylphthalate	12.05	149	2310	Below Cal	#	78

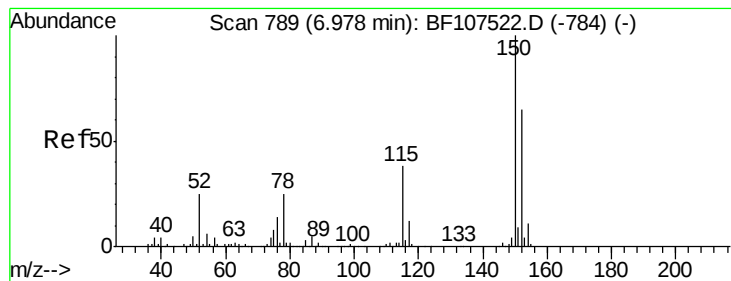
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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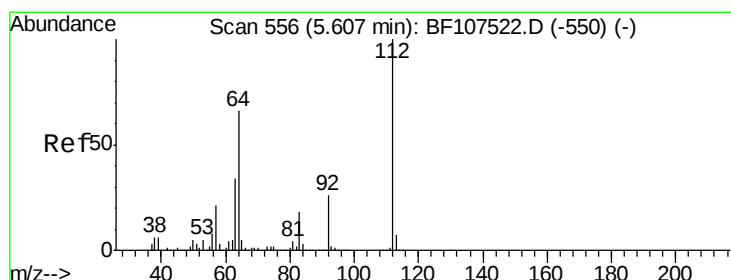
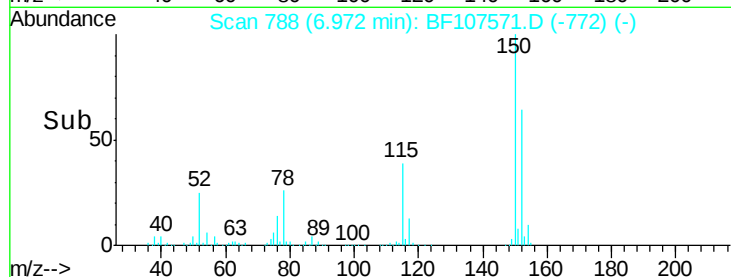
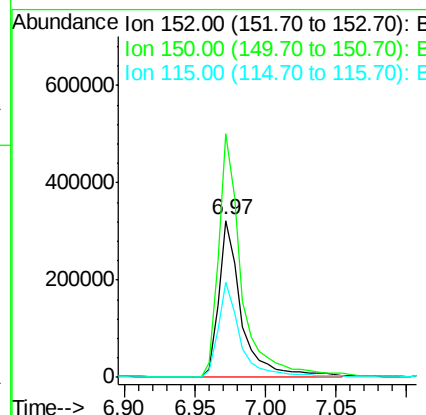
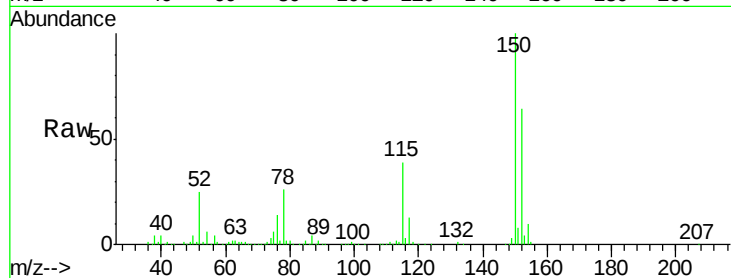


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107571.D
Acq: 21 Jul 2018 12:55

Instrument :
BNA_F
ClientSampleId :
071818-DBRI-E-U-B

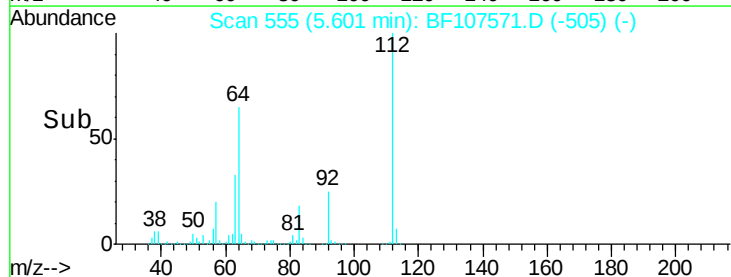
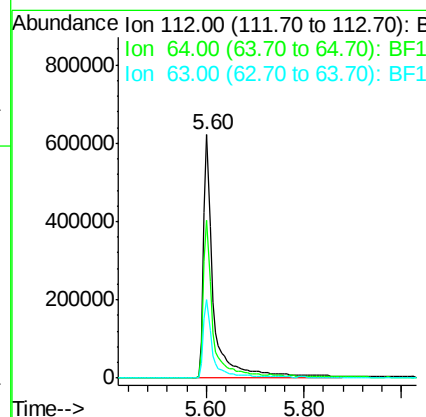
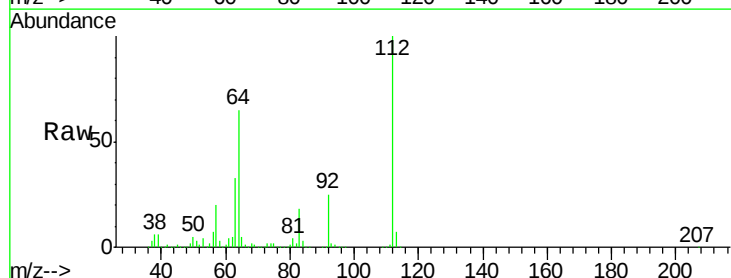
Tgt Ion:152 Resp: 363135
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 60.4 50.1 75.1

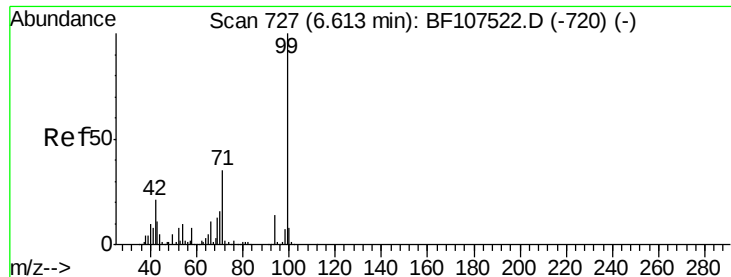


#5

2-Fluorophenol
Concen: 40.532 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107571.D
Acq: 21 Jul 2018 12:55

Tgt Ion:112 Resp: 915449
Ion Ratio Lower Upper
112 100
64 64.9 47.9 71.9
63 32.5 23.7 35.5





#7

Phenol-d6

Concen: 27.891 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

Instrument :

BNA_F

ClientSampleId :

071818-DBRI-E-U-B

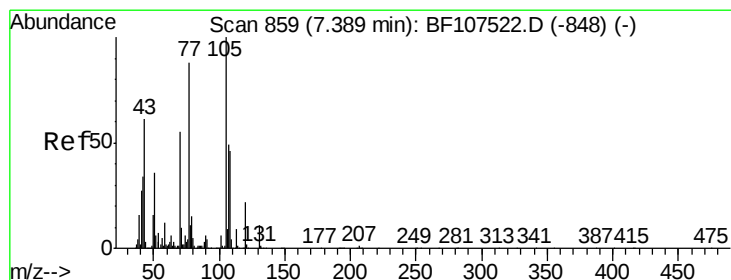
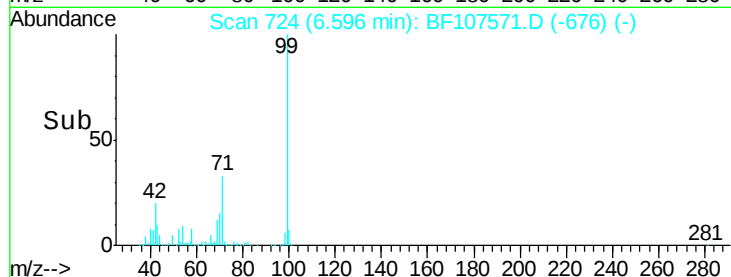
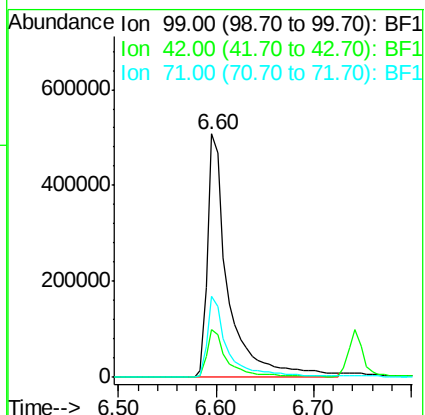
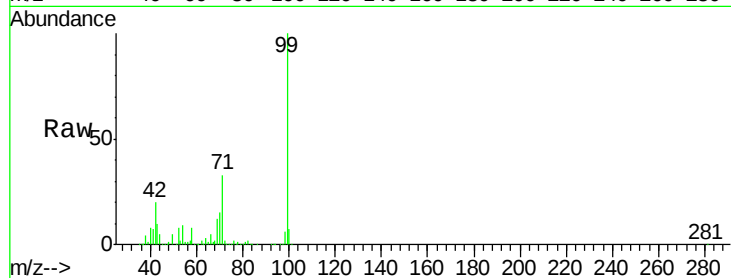
Tgt Ion: 99 Resp: 756380

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 33.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.447 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

Tgt Ion: 70 Resp: 253108

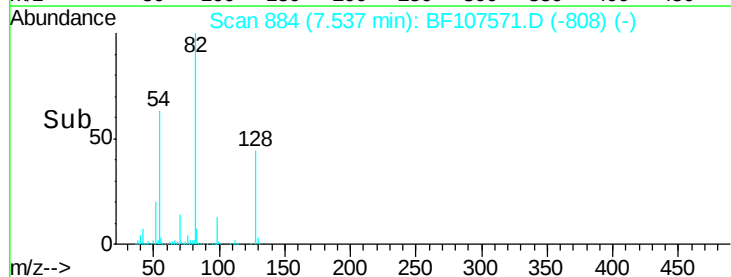
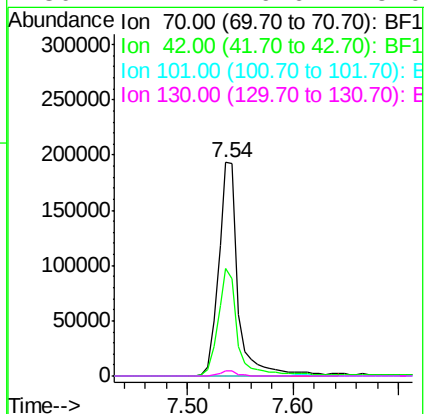
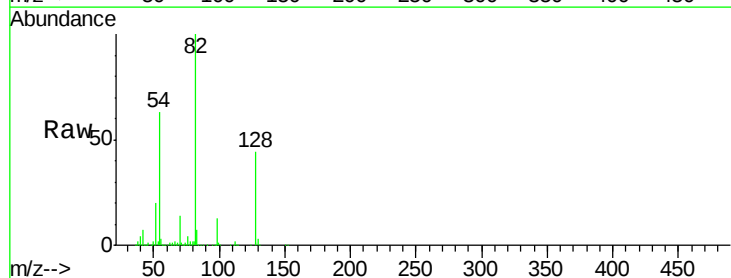
Ion Ratio Lower Upper

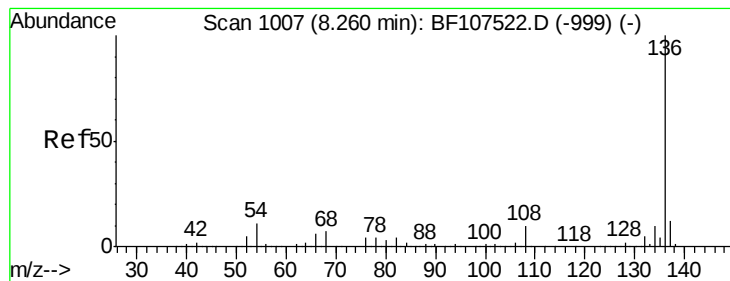
70 100

42 50.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 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: BF107571.D

Acq: 21 Jul 2018 12:55

Instrument :

BNA_F

ClientSampleId :

071818-DBRI-E-U-B

Tgt Ion:136 Resp: 1299049

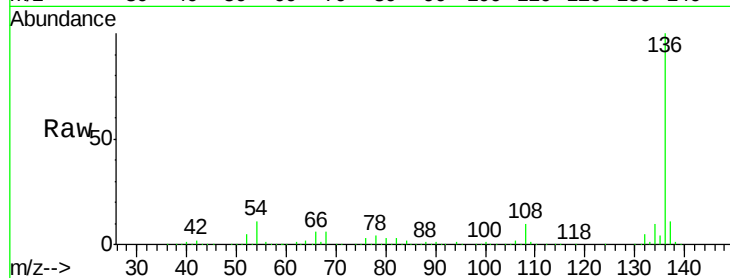
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 10.8 6.6 9.8#

68 6.2 5.0 7.4

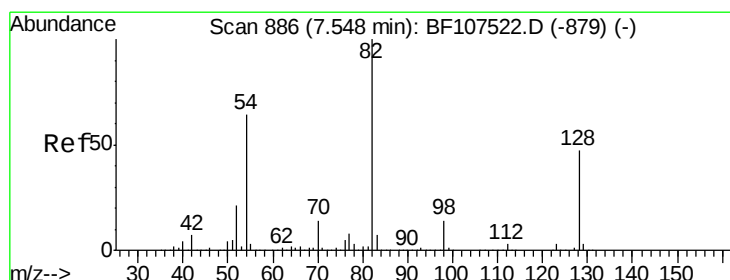
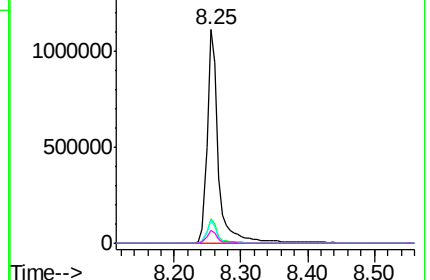
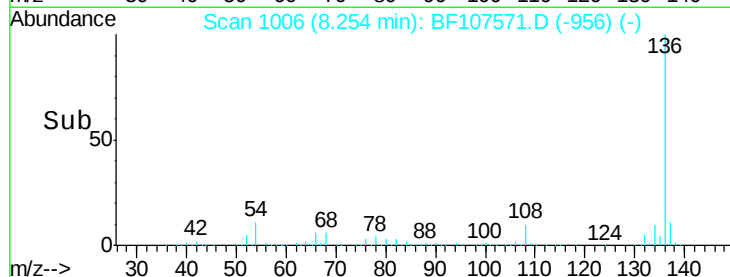


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.956 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

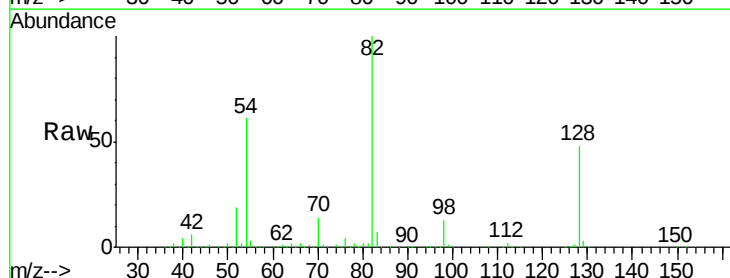
Tgt Ion: 82 Resp: 1885521

Ion Ratio Lower Upper

82 100

128 48.4 36.1 54.1

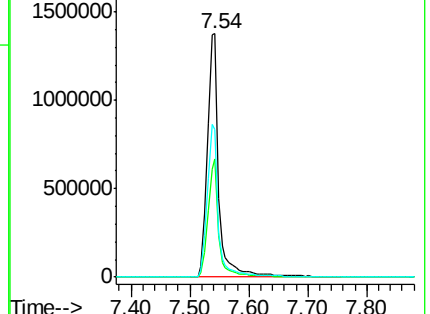
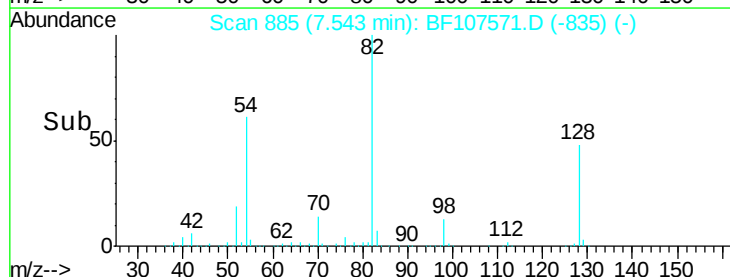
54 60.6 41.4 62.2

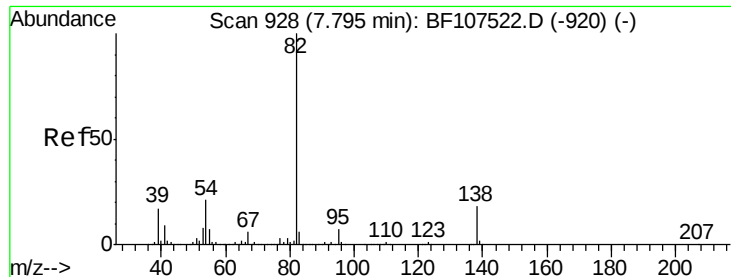


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.877 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.25 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

Instrument :

BNA_F

ClientSampleId :

071818-DBRI-E-U-B

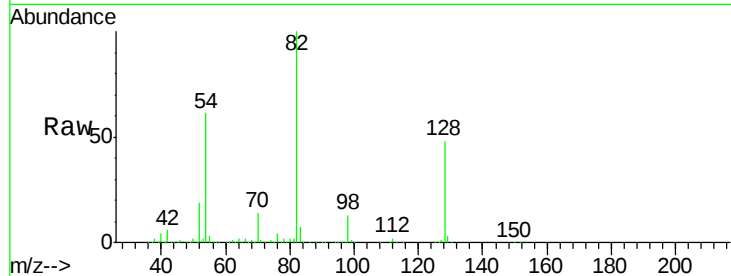
Tgt Ion: 82 Resp: 188512

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

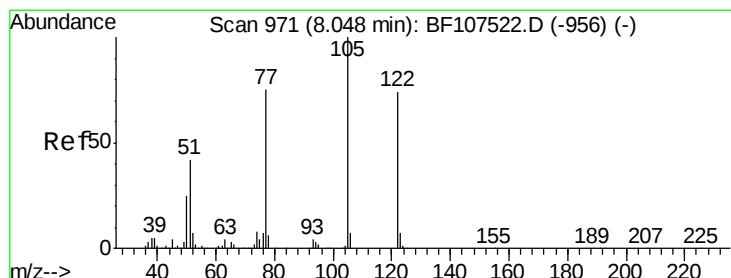
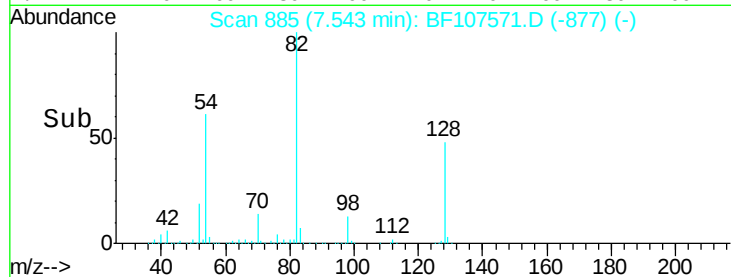
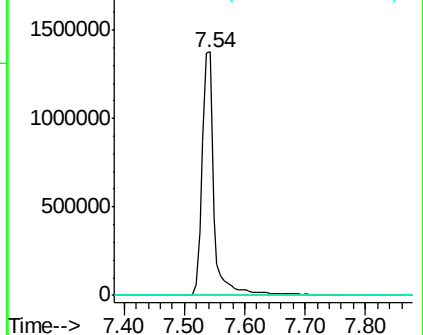
138 0.0 14.9 22.3#



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: 7.919 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.20 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

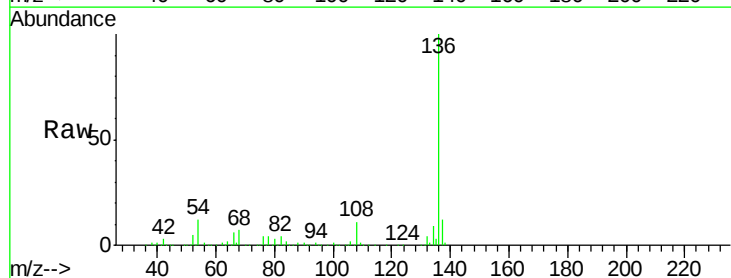
Tgt Ion: 122 Resp: 280

Ion Ratio Lower Upper

122 100

105 113.6 101.1 141.1

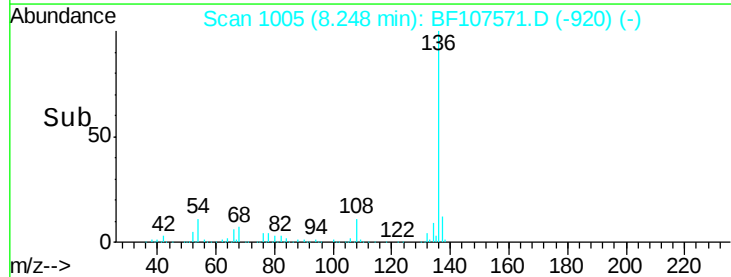
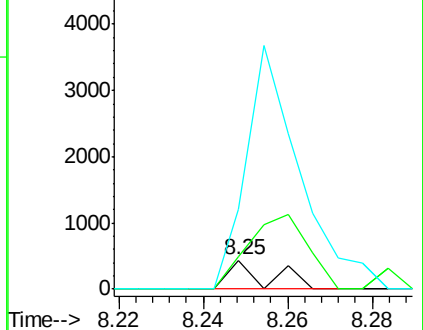
77 278.9 70.7 110.7#

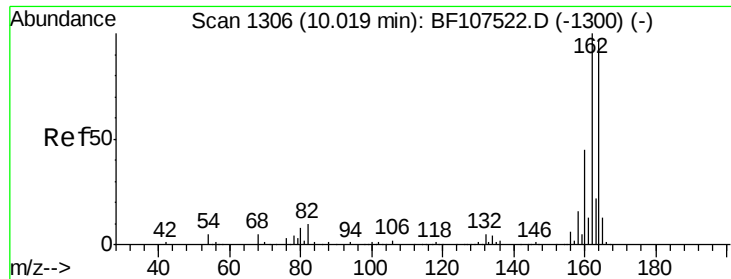


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

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: BF107571.D

Acq: 21 Jul 2018 12:55

Instrument :

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ClientSampleId :

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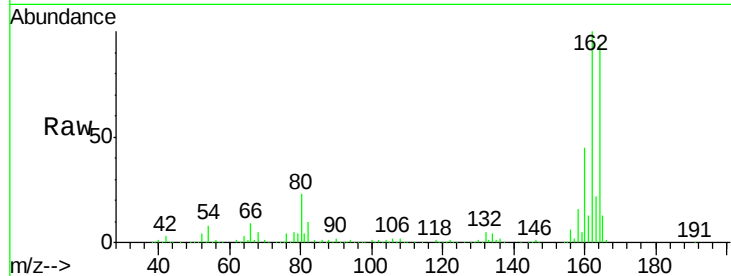
Tgt Ion:164 Resp: 490137

Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

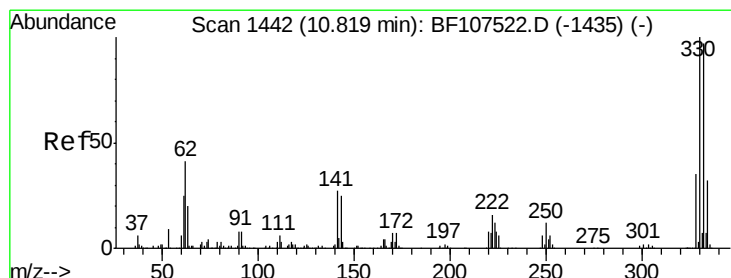
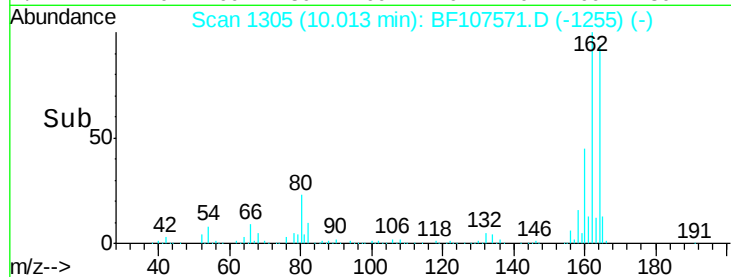
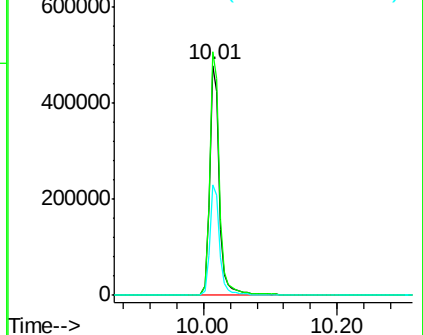
160 48.0 38.3 57.5



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: 77.691 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

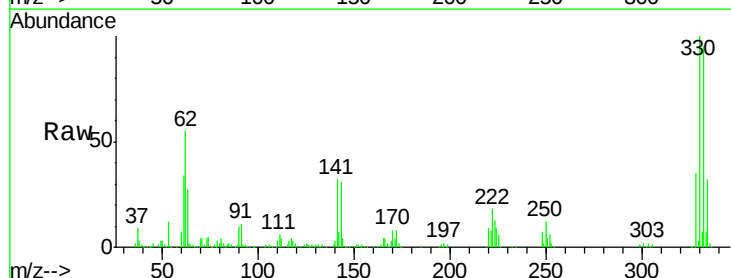
Tgt Ion:330 Resp: 433021

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

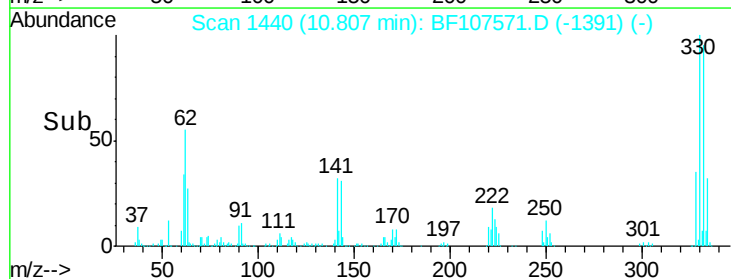
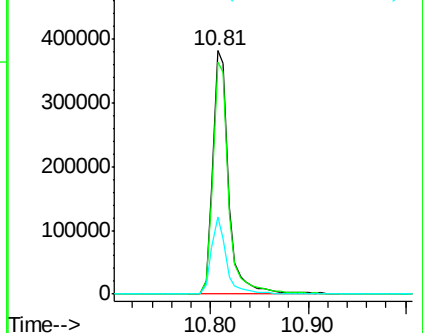
141 30.1 29.9 44.9

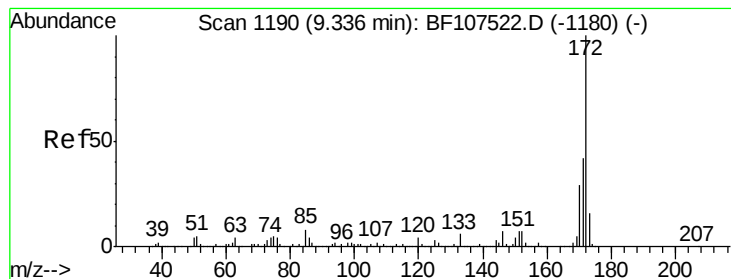


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 109.205 ng

RT: 9.33 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

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071818-DBRI-E-U-B

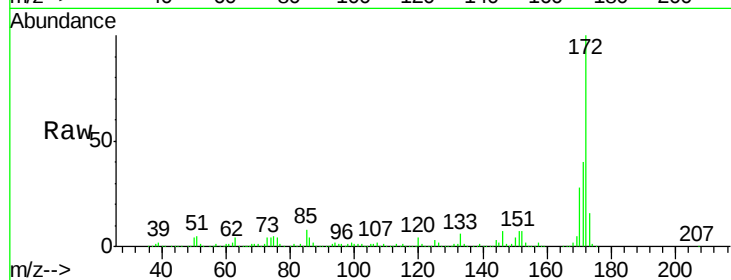
Tgt Ion:172 Resp: 2894575

Ion Ratio Lower Upper

172 100

171 40.2 29.7 44.5

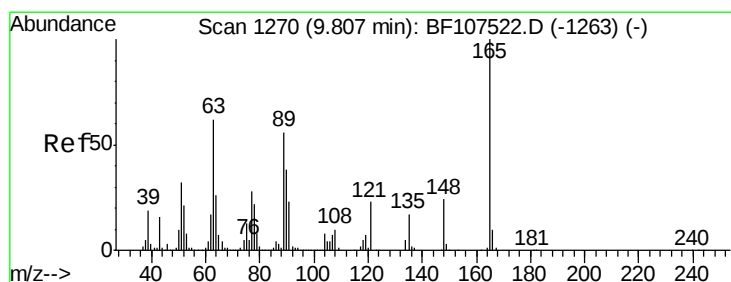
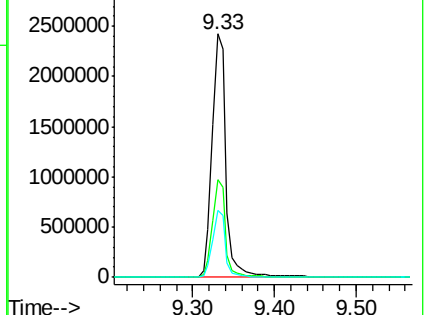
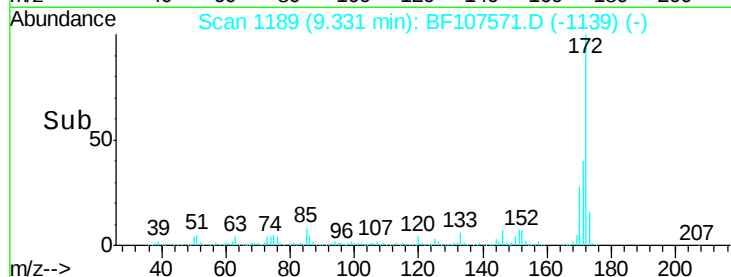
170 27.5 19.6 29.4



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: 8.540 ng

RT: 10.01 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

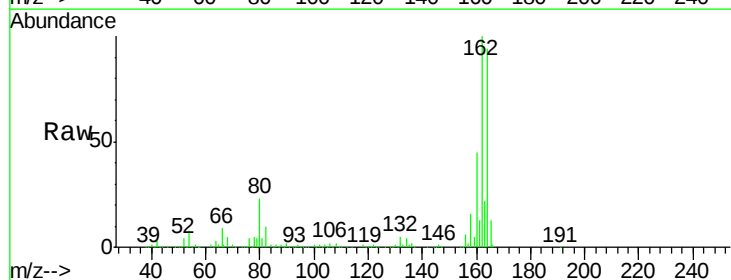
Tgt Ion:165 Resp: 62633

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

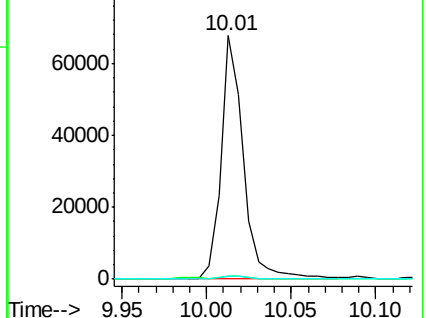
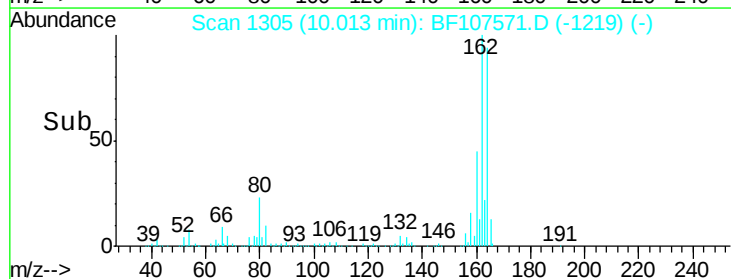
89 1.3 44.0 66.0#

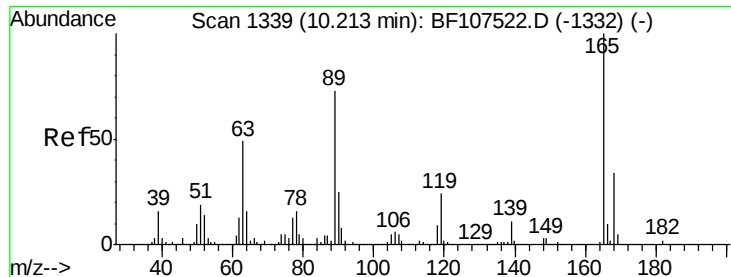


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

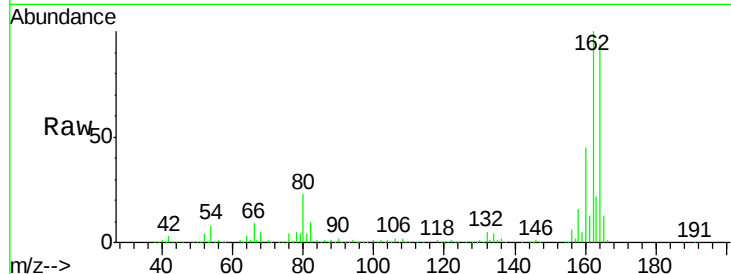




#56
2,4-Dinitrotoluene
Concen: 7.096 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF107571.D
Acq: 21 Jul 2018 12:55

Instrument :
BNA_F
ClientSampleId :
071818-DBRI-E-U-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

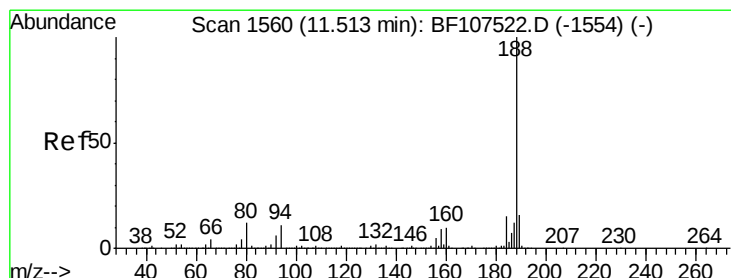
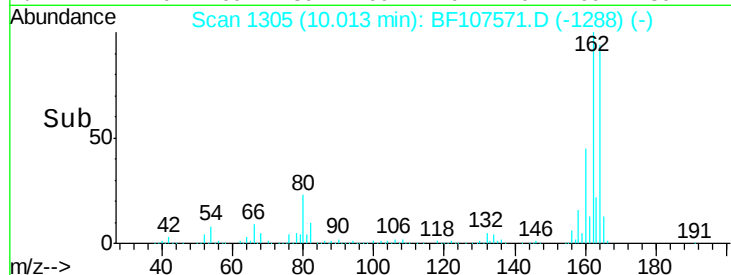
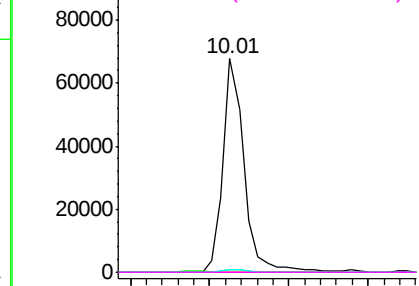


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

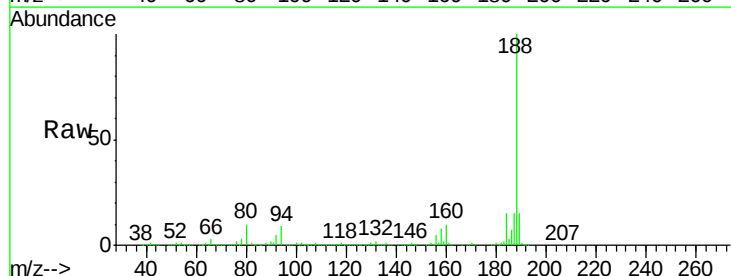
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF107571.D
Acq: 21 Jul 2018 12:55

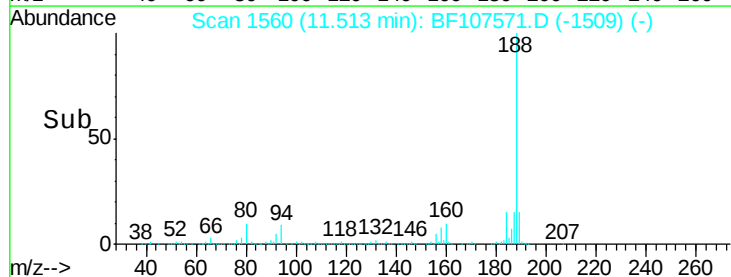
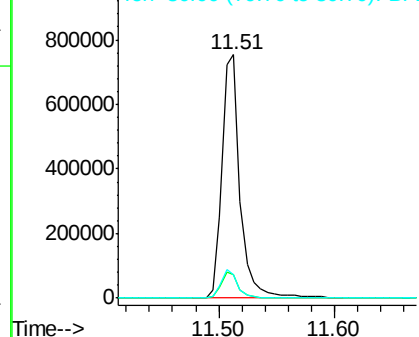
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.6	9.2	13.8

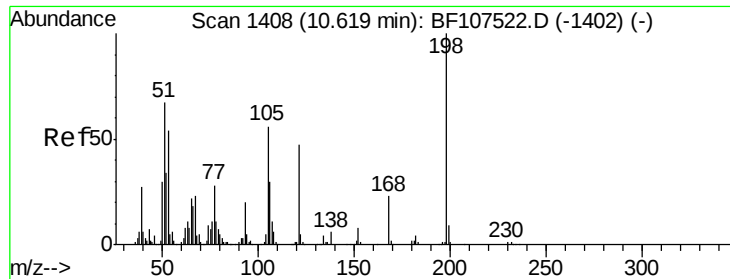


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

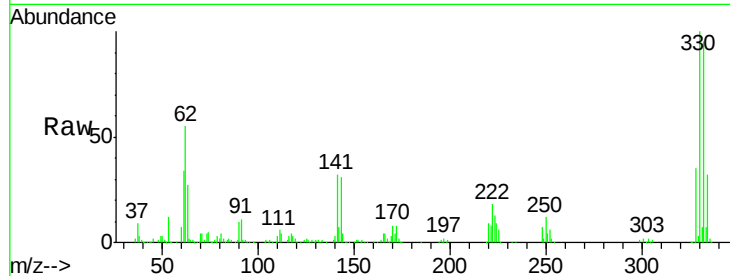




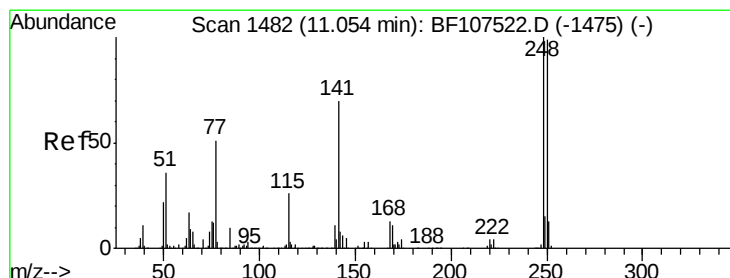
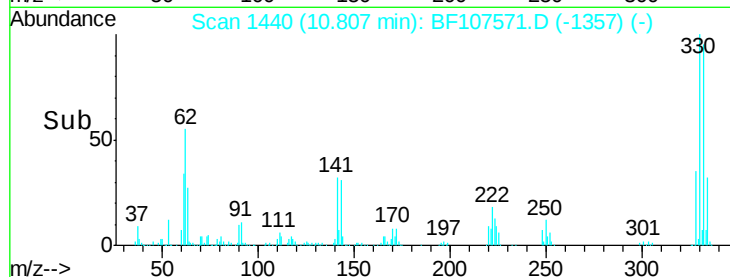
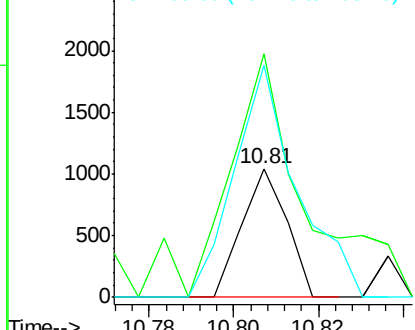
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.839 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. 0.19 min
 Lab File: BF107571.D
 Acq: 21 Jul 2018 12:55

Instrument :
 BNA_F
 ClientSampleId :
 071818-DBRI-E-U-B

Tgt Ion:198 Resp: 765
 Ion Ratio Lower Upper
 198 100
 51 189.5 37.7 77.7#
 105 180.9 36.3 76.3#

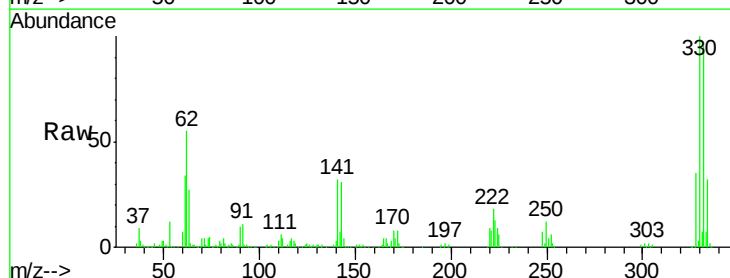


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

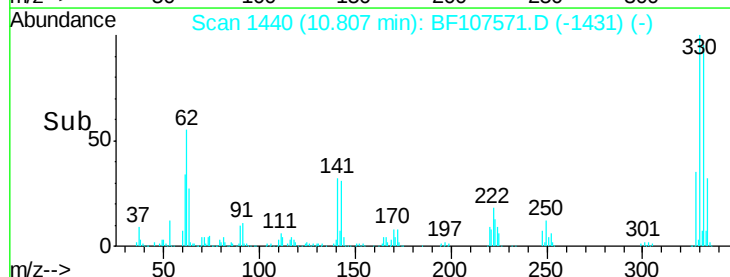
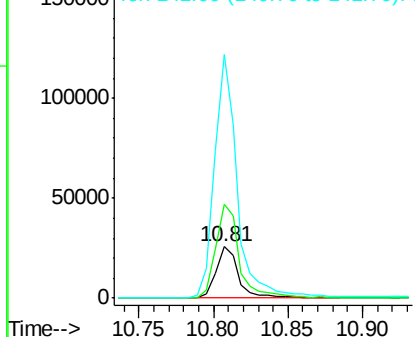


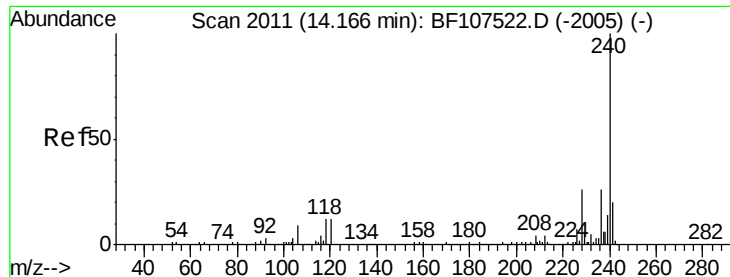
#66
 4-Bromophenyl-phenylether
 Concen: 2.808 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF107571.D
 Acq: 21 Jul 2018 12:55

Tgt Ion:248 Resp: 27033
 Ion Ratio Lower Upper
 248 100
 250 183.4 76.9 115.3#
 141 477.4 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: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

Instrument :

BNA_F

ClientSampleId :

071818-DBRI-E-U-B

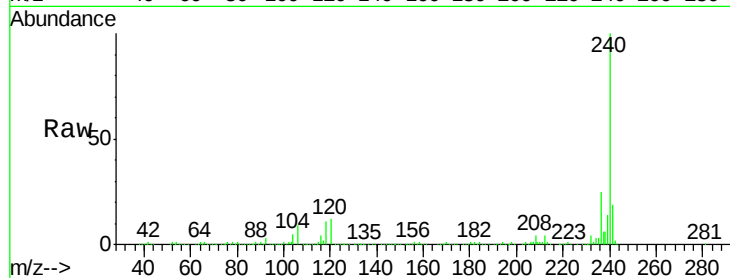
Tgt Ion:240 Resp: 804177

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

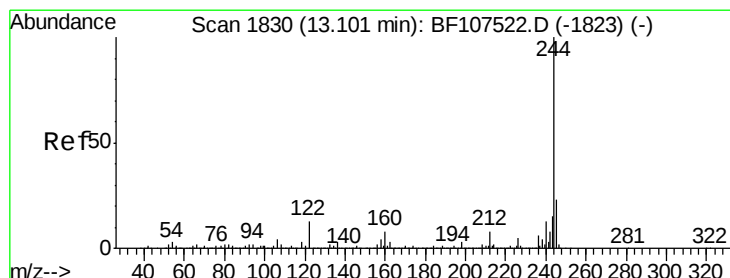
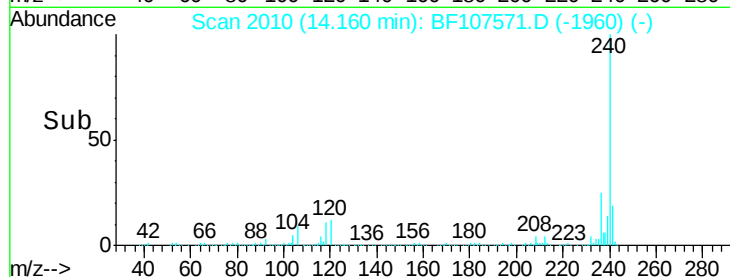
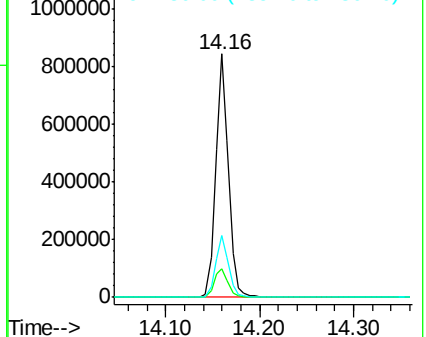
236 25.4 20.7 31.1



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: 69.678 ng

RT: 13.10 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

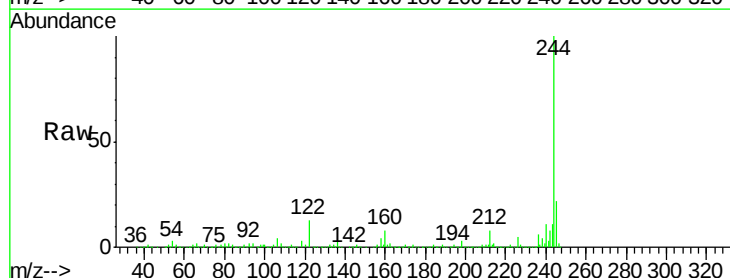
Tgt Ion:244 Resp: 2188742

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

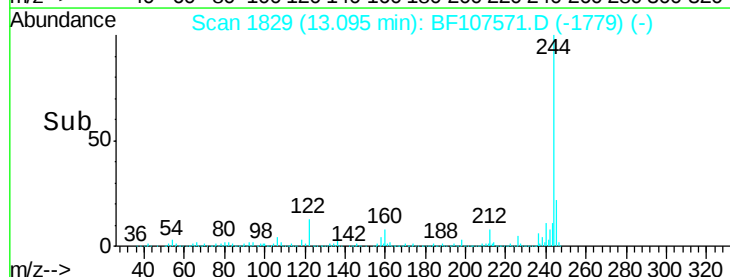
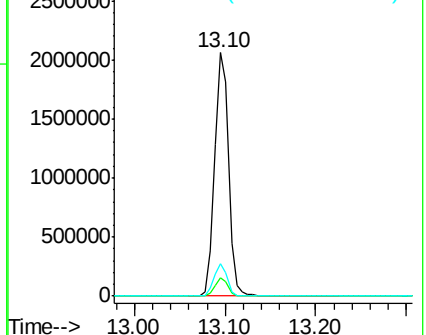
122 13.3 11.0 16.4

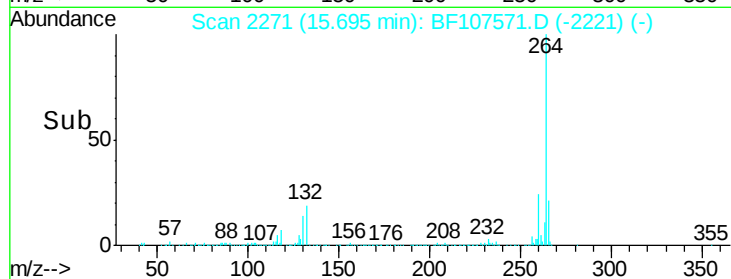
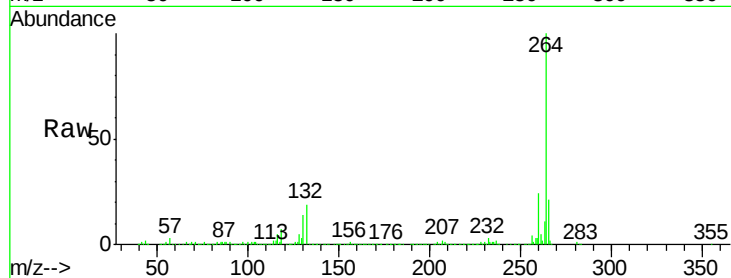
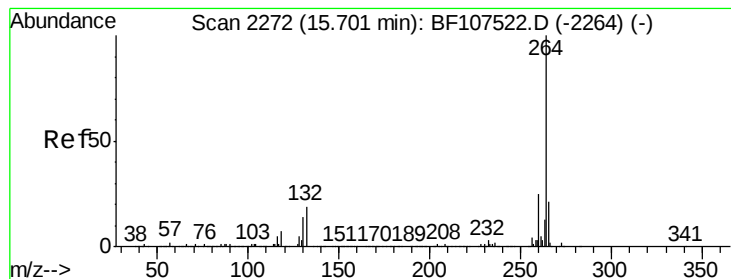


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2271

Delta R.T. -0.01 min

Lab File: BF107571.D

Acq: 21 Jul 2018 12:55

Instrument :

BNA_F

ClientSampleId :

071818-DBRI-E-U-B

Tgt Ion: 264 Resp: 638789

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 20.9 17.5 26.3

