

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107558.D
 Acq On : 21 Jul 2018 7:10
 Operator : JU/SJ
 Sample : J4061-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 071718-DBRI-E-D-B

Quant Time: Jul 23 03:26:16 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	296510	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	981779	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	348264	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	681223	20.00	ng	0.00
75) Chrysene-d12	14.16	240	737984	20.00	ng	0.00
86) Perylene-d12	15.69	264	544211	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	665561	36.09	ng	0.00
7) Phenol-d6	6.60	99	607735	27.44	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1512284	103.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	362308	91.48	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	2232506	124.39	ng	0.00
78) Terphenyl-d14	13.09	244	2213385	76.78	ng	0.00

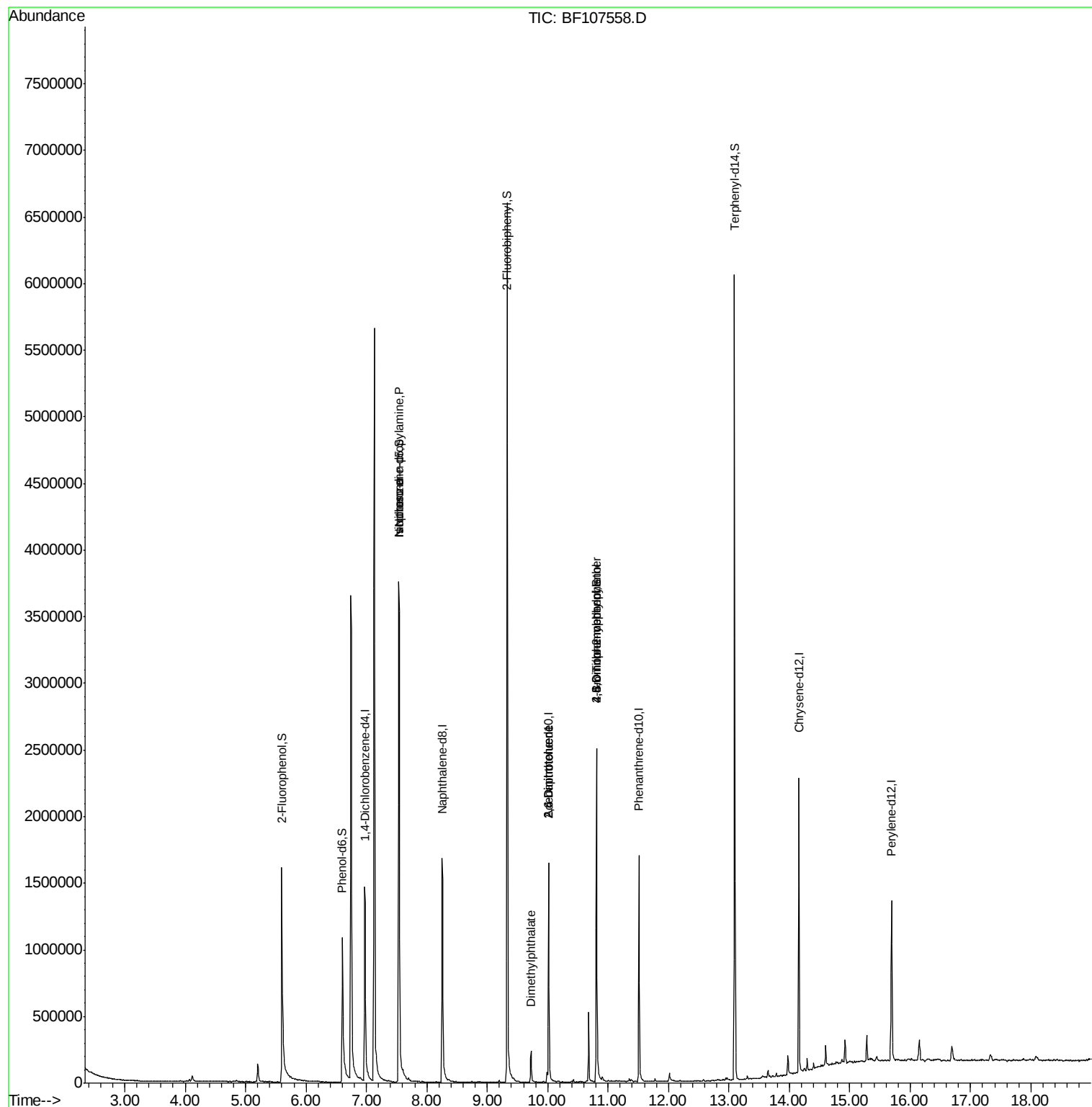
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	1340	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.54	70	205536	14.368	ng	# 79
25) Isophorone	7.54	82	1512276	48.687	ng	# 64
49) Dimethylphthalate	9.72	163	110075	4.194	ng	# 100
50) 2,6-Dinitrotoluene	10.01	165	44399	8.520	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	44400	7.058	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	520	8.810	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	22387	2.792	ng	# 1
73) Di-n-butylphthalate	12.06	149	1594	Below Cal	#	78
81) 3,3'-Dichlorobenzidine	14.10	252	110	Below Cal	#	27

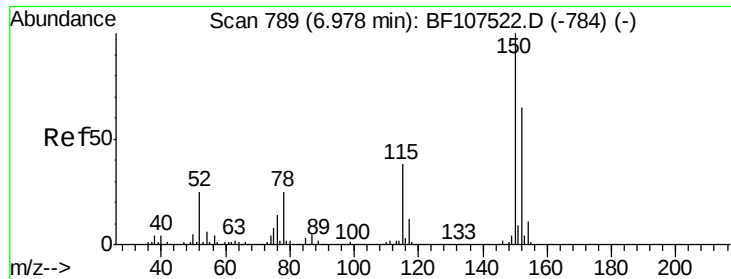
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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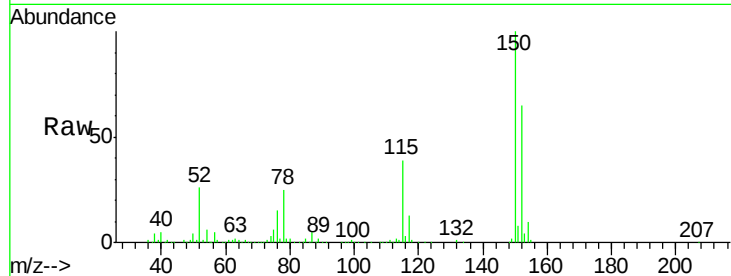


#1

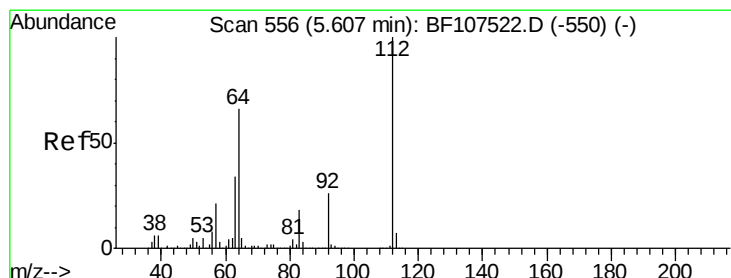
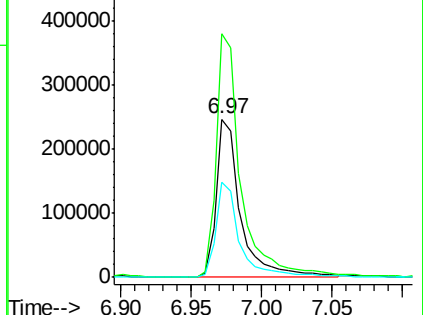
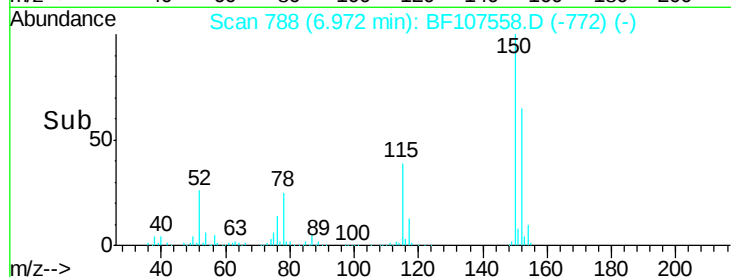
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107558.D
Acq: 21 Jul 2018 7:10

Instrument :
BNA_F
ClientSampleId :
071718-DBRI-E-D-B

Tgt Ion:152 Resp: 296510
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 60.6 50.1 75.1



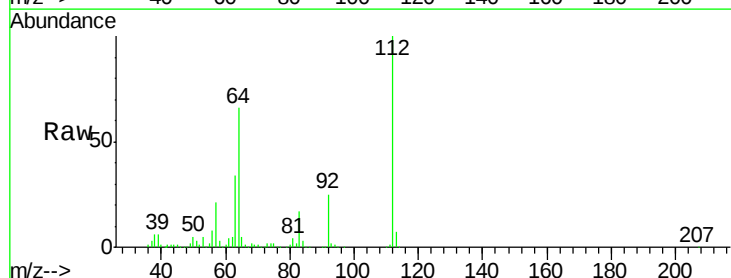
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



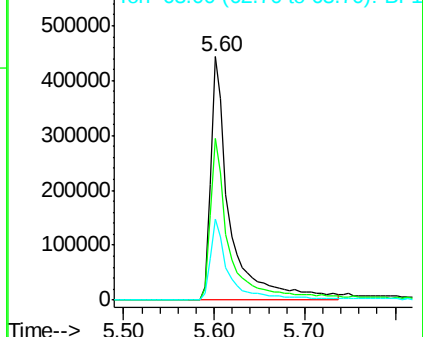
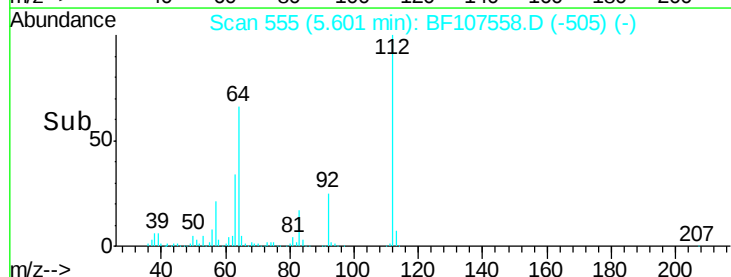
#5

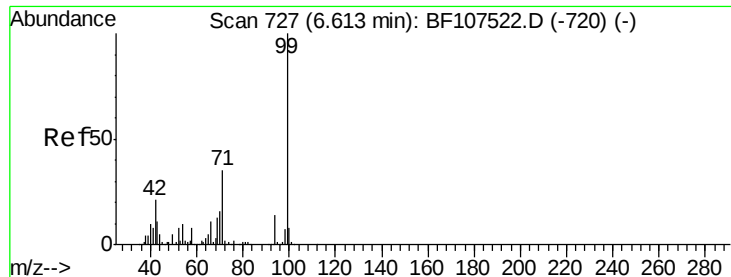
2-Fluorophenol
Concen: 36.090 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107558.D
Acq: 21 Jul 2018 7:10

Tgt Ion:112 Resp: 665561
Ion Ratio Lower Upper
112 100
64 66.2 47.9 71.9
63 33.5 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: 27.445 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107558.D

Acq: 21 Jul 2018 7:10

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-B

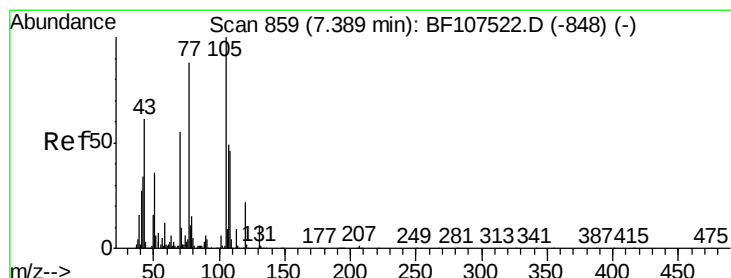
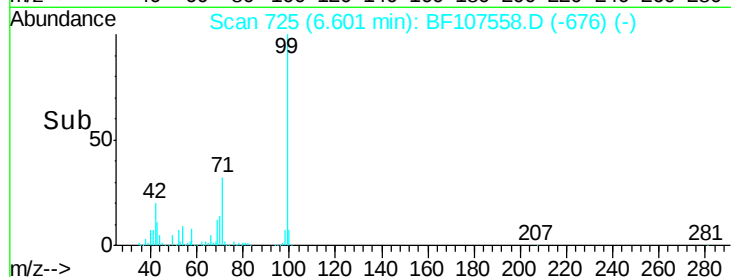
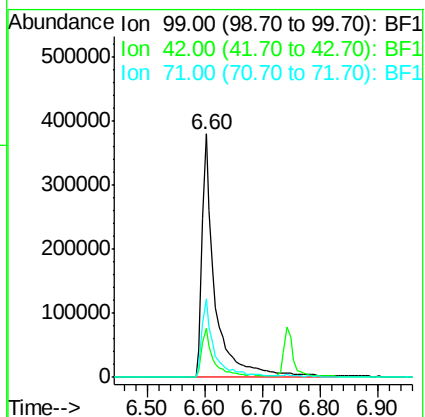
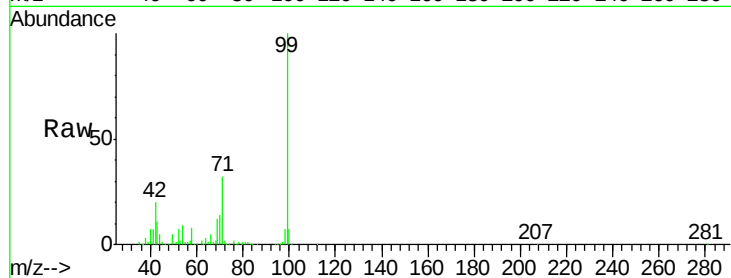
Tgt Ion: 99 Resp: 607735

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 32.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.368 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107558.D

Acq: 21 Jul 2018 7:10

Tgt Ion: 70 Resp: 205536

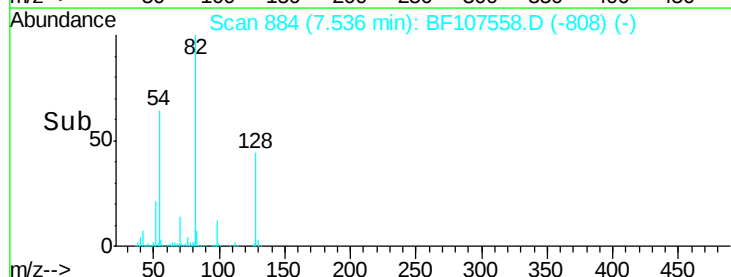
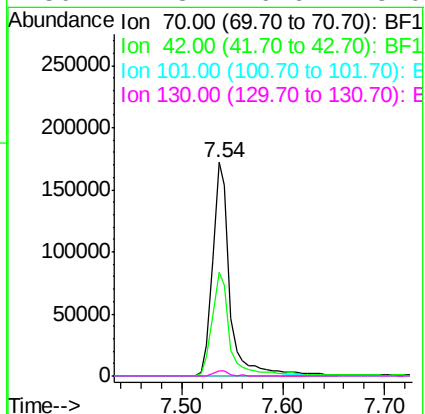
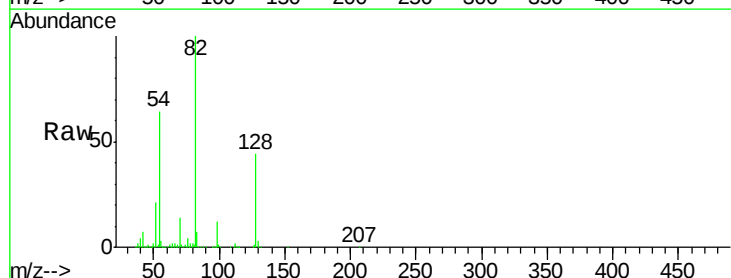
Ion Ratio Lower Upper

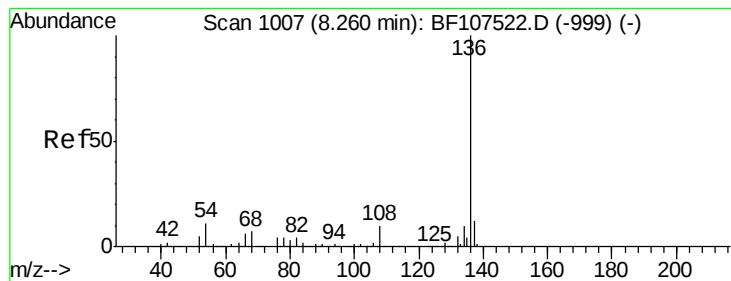
70 100

42 48.8 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: BF107558.D

Acq: 21 Jul 2018 7:10

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-B

Tgt Ion:136 Resp: 981779

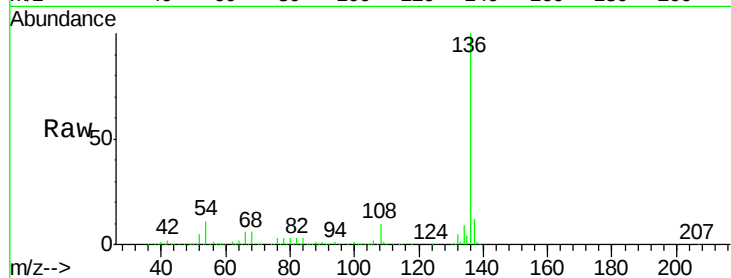
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 10.7 6.6 9.8#

68 6.2 5.0 7.4

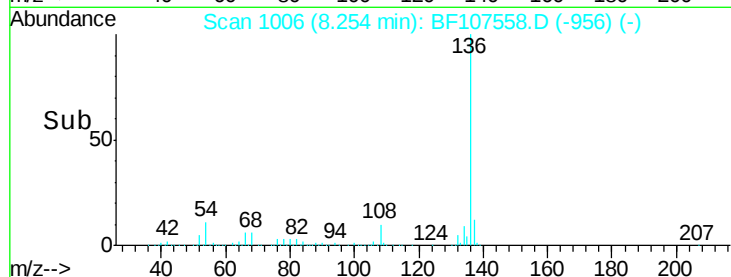


Abundance Ion 136.00 (135.70 to 136.70): E

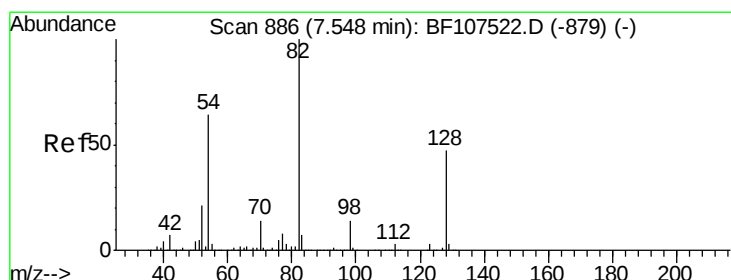
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time--> 8.10 8.20 8.30 8.40 8.50



#23

Nitrobenzene-d5

Concen: 103.955 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF107558.D

Acq: 21 Jul 2018 7:10

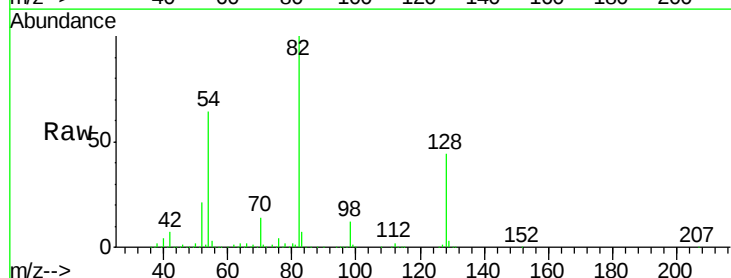
Tgt Ion: 82 Resp: 1512284

Ion Ratio Lower Upper

82 100

128 44.4 36.1 54.1

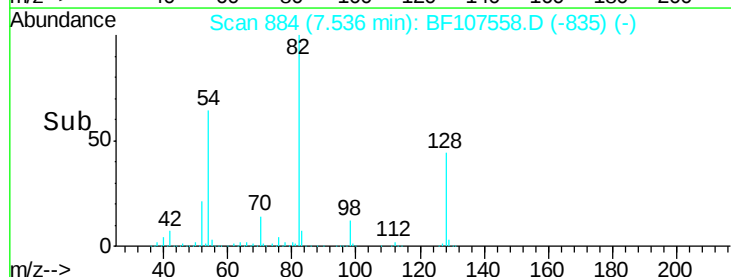
54 63.6 41.4 62.2#



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



Time--> 7.40 7.50 7.60 7.70 7.80



#25

Isophorone

Concen: 48.687 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107558.D

Acq: 21 Jul 2018 7:10

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-B

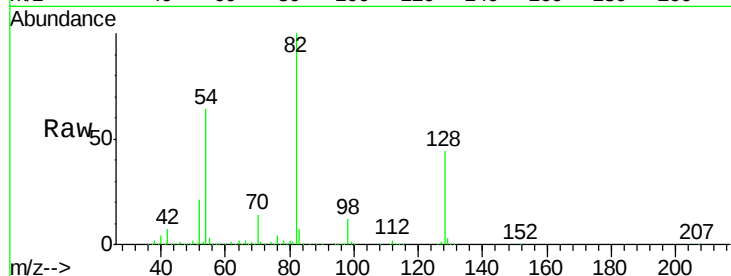
Tgt Ion: 82 Resp: 1512276

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

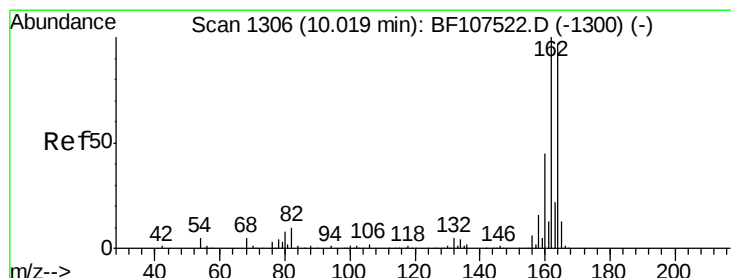
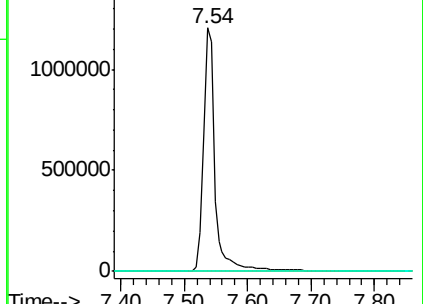
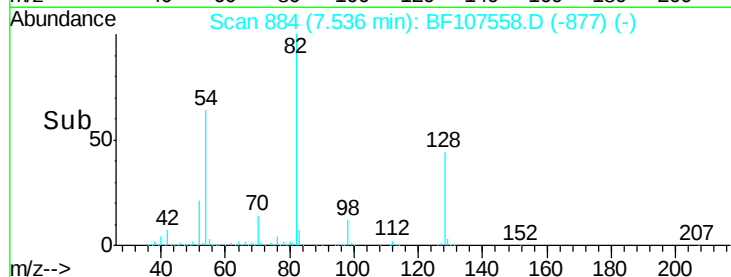
138 0.0 14.9 22.3#



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: BF107558.D

Acq: 21 Jul 2018 7:10

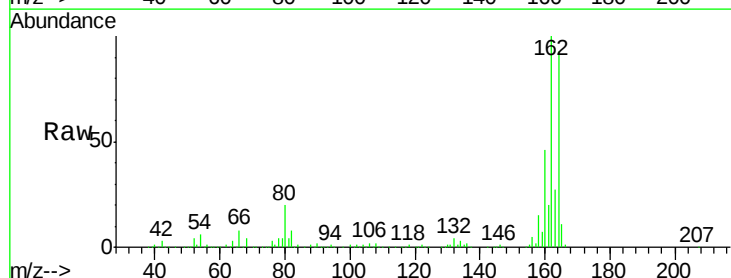
Tgt Ion: 164 Resp: 348264

Ion Ratio Lower Upper

164 100

162 108.1 86.1 129.1

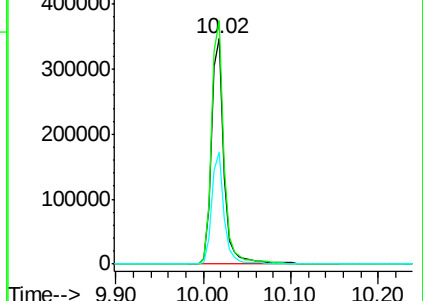
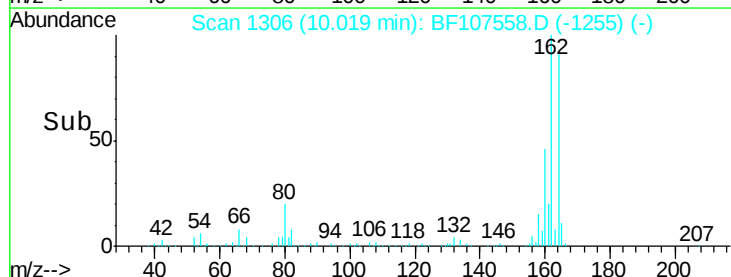
160 49.4 38.3 57.5

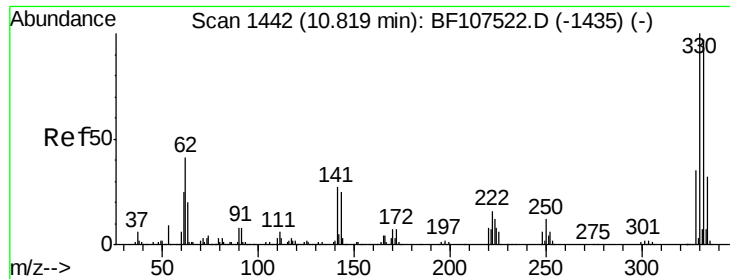


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

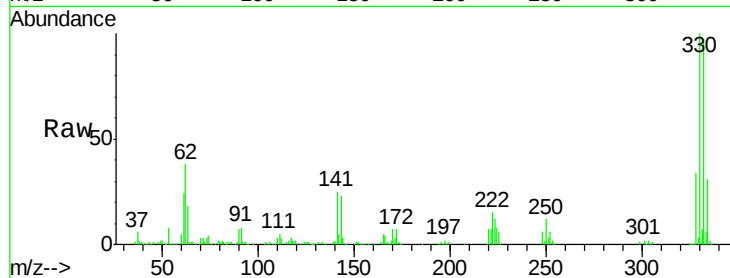




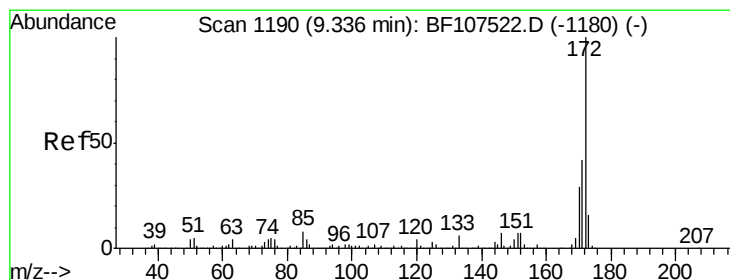
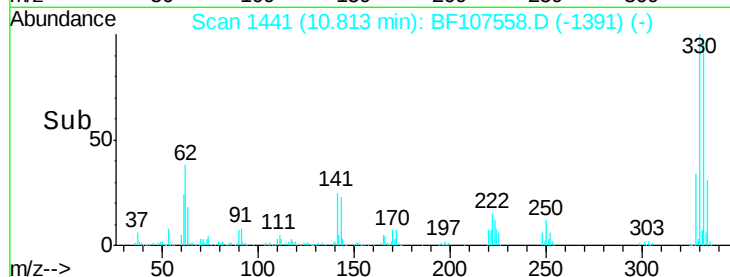
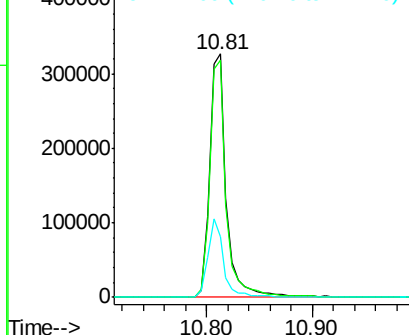
#41
 2,4,6-Tribromophenol
 Concen: 91.485 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107558.D
 Acq: 21 Jul 2018 7:10

Instrument :
 BNA_F
 ClientSampleId :
 071718-DBRI-E-D-B

Tgt Ion:330 Resp: 362308
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 30.2 29.9 44.9

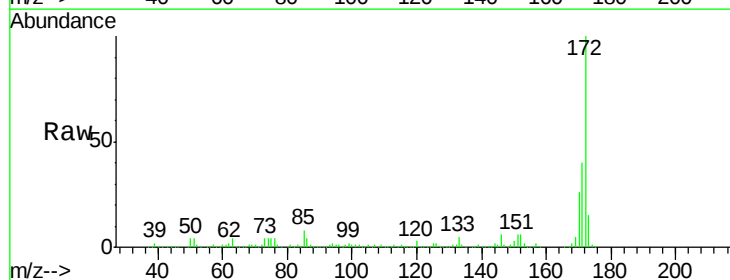


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

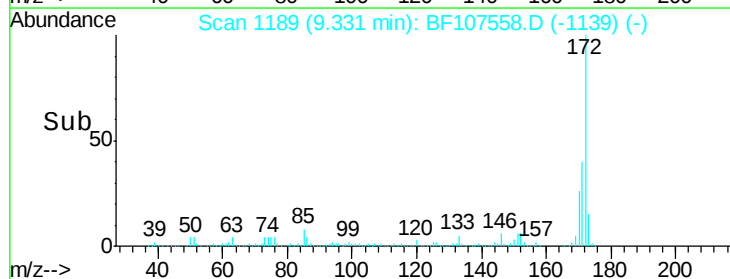
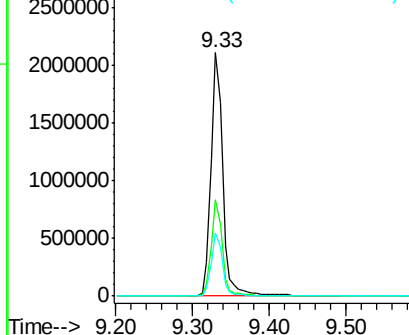


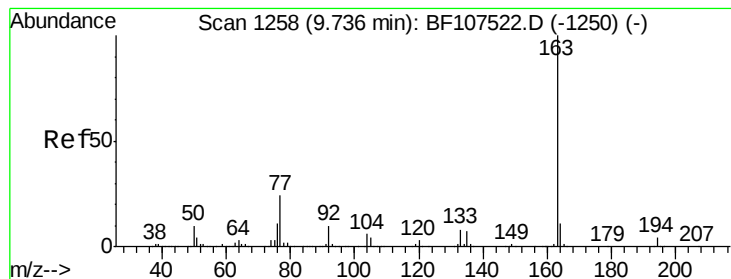
#44
 2-Fluorobiphenyl
 Concen: 124.388 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107558.D
 Acq: 21 Jul 2018 7:10

Tgt Ion:172 Resp: 2232506
 Ion Ratio Lower Upper
 172 100
 171 39.5 29.7 44.5
 170 26.1 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





#49

Dimethylphthalate

Concen: 4.194 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107558.D

Acq: 21 Jul 2018 7:10

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-B

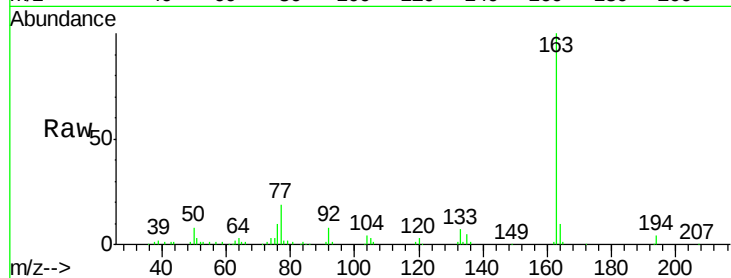
Tgt Ion:163 Resp: 110075

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

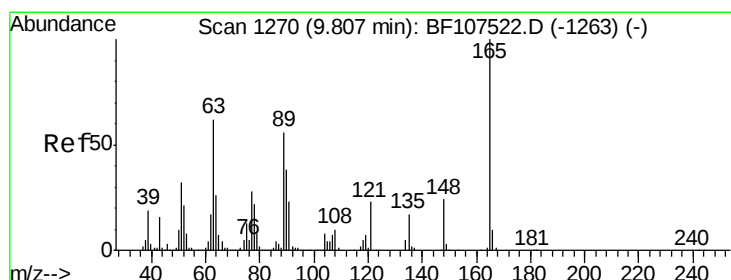
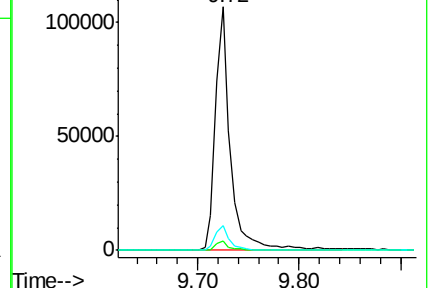
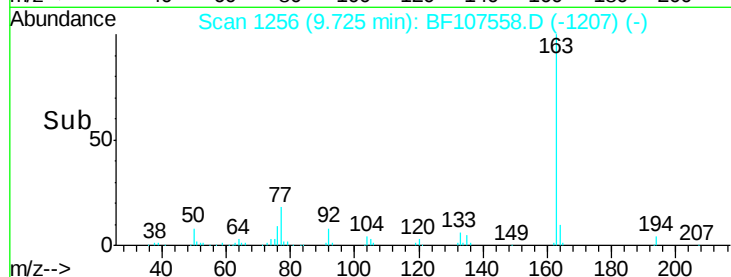
164 10.1 8.2 12.2



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: 8.520 ng

RT: 10.01 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF107558.D

Acq: 21 Jul 2018 7:10

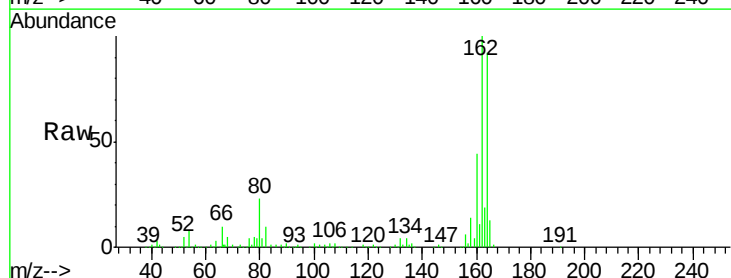
Tgt Ion:165 Resp: 44399

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

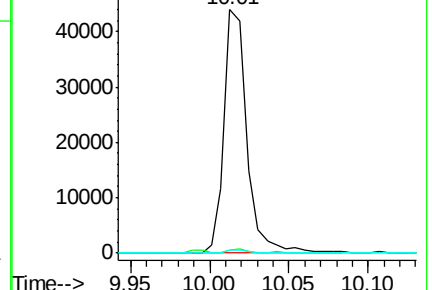
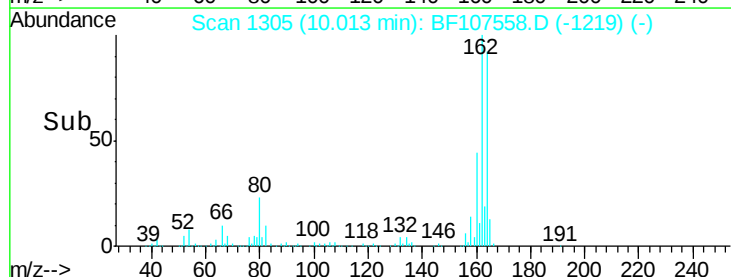
89 1.0 44.0 66.0#

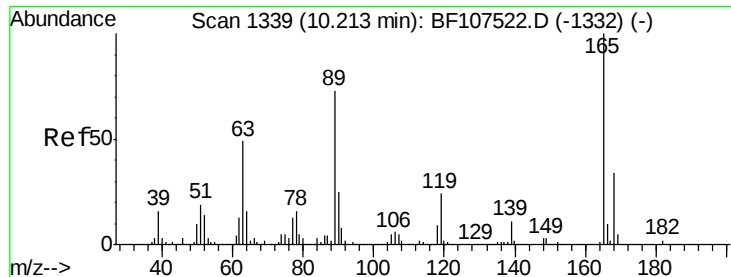


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

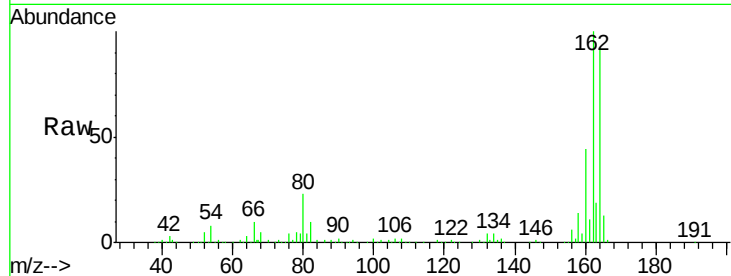




#56
2,4-Dinitrotoluene
Concen: 7.058 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF107558.D
Acq: 21 Jul 2018 7:10

Instrument :
BNA_F
ClientSampleId :
071718-DBRI-E-D-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

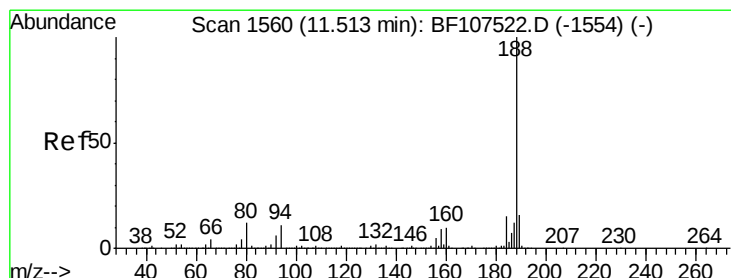
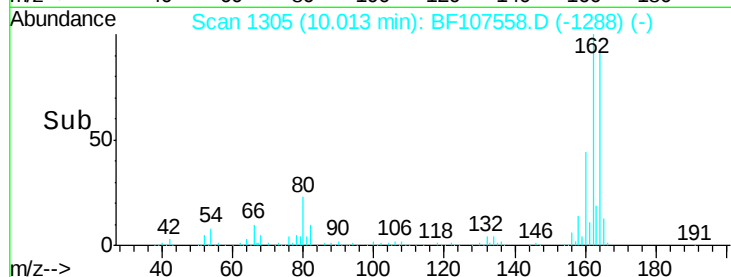
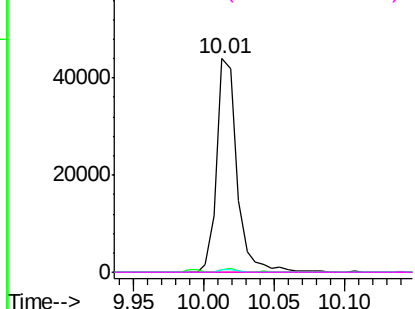


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

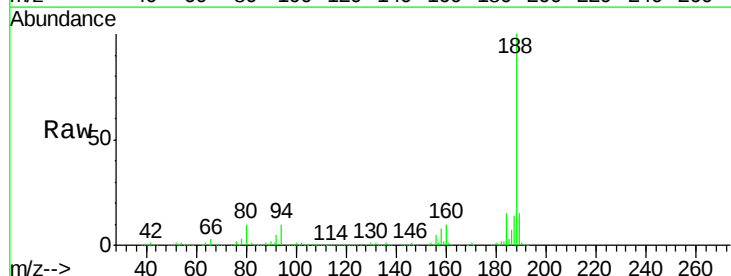
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107558.D
Acq: 21 Jul 2018 7:10

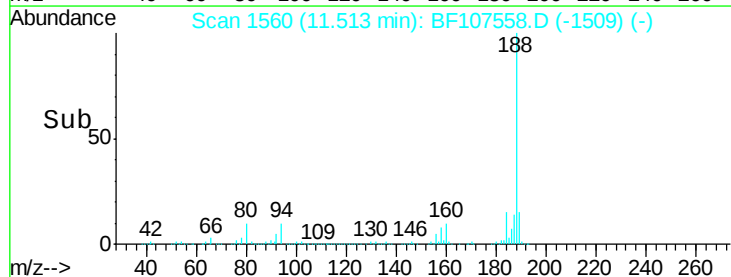
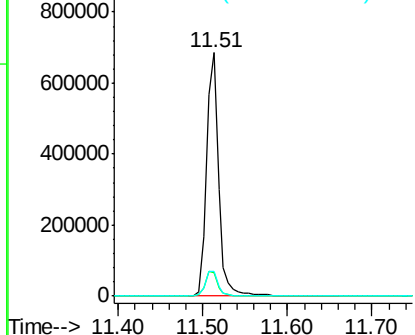
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.1	9.2	13.8

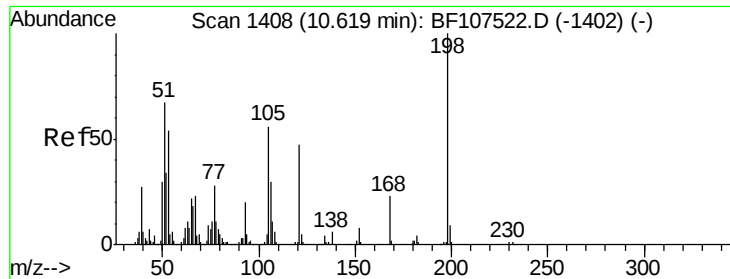


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

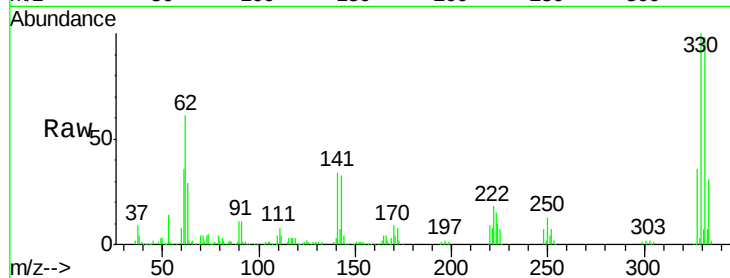




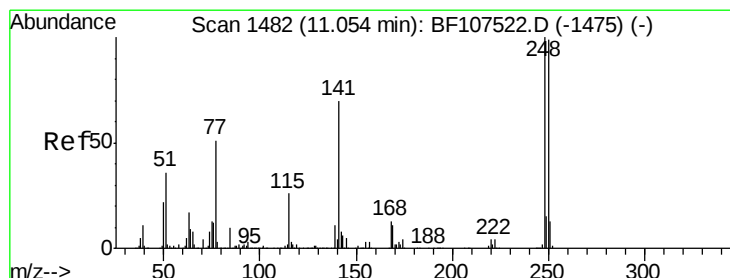
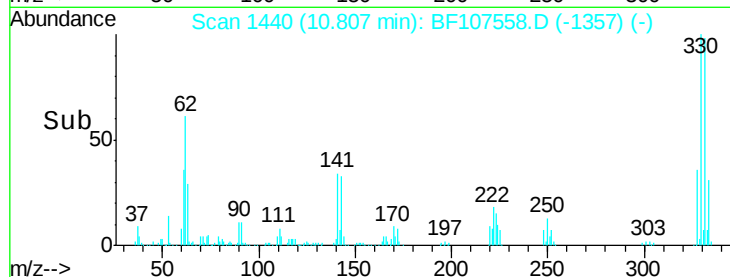
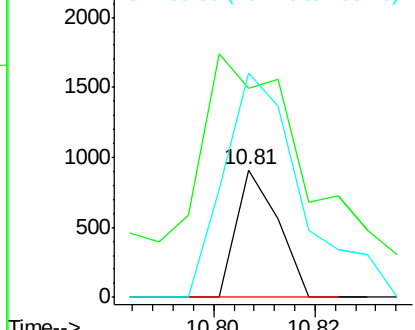
#64
4,6-Dinitro-2-methylphenol
Concen: 8.810 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.19 min
Lab File: BF107558.D
Acq: 21 Jul 2018 7:10

Instrument :
BNA_F
ClientSampleId :
071718-DBRI-E-D-B

Tgt Ion:198 Resp: 520
Ion Ratio Lower Upper
198 100
51 164.1 37.7 77.7#
105 176.3 36.3 76.3#

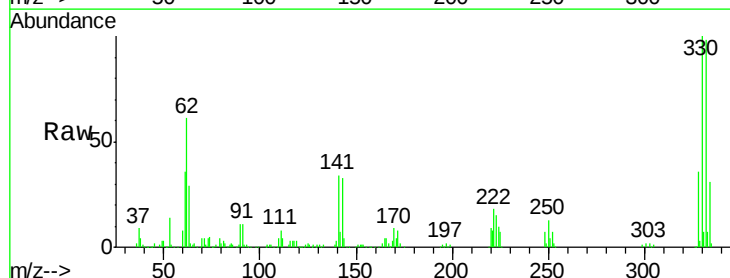


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

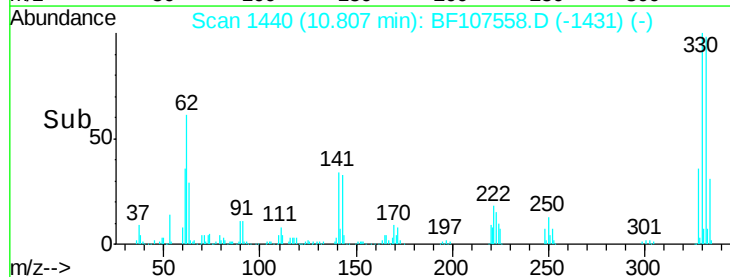
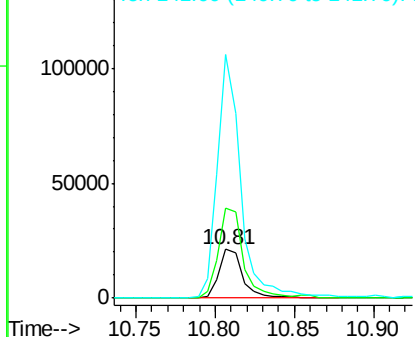


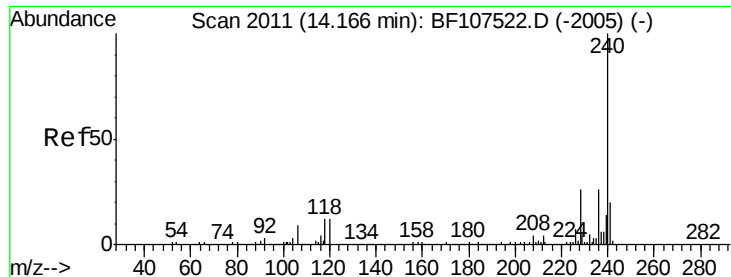
#66
4-Bromophenyl-phenylether
Concen: 2.792 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.25 min
Lab File: BF107558.D
Acq: 21 Jul 2018 7:10

Tgt Ion:248 Resp: 22387
Ion Ratio Lower Upper
248 100
250 185.6 76.9 115.3#
141 500.4 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: BF107558.D

Acq: 21 Jul 2018 7:10

Instrument :

BNA_F

ClientSampleId :

071718-DBRI-E-D-B

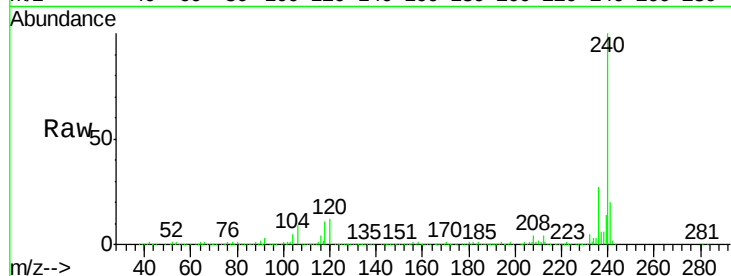
Tgt Ion:240 Resp: 737984

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

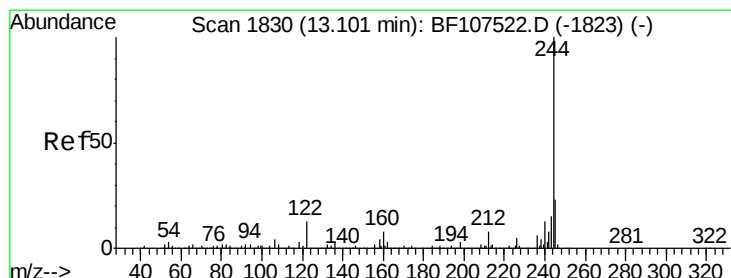
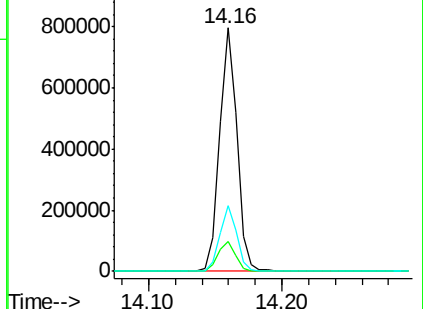
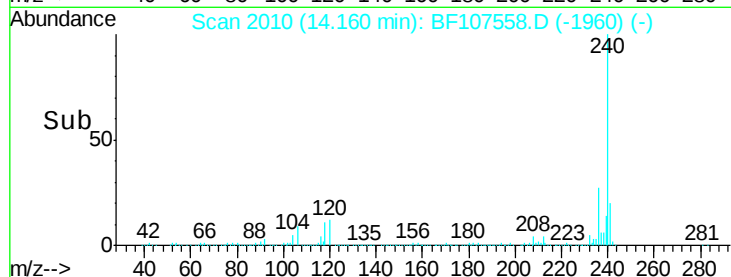
236 26.9 20.7 31.1



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: 76.783 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107558.D

Acq: 21 Jul 2018 7:10

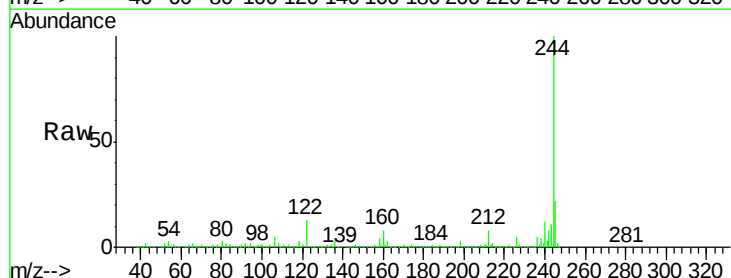
Tgt Ion:244 Resp: 2213385

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

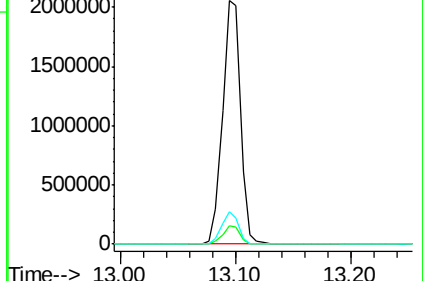
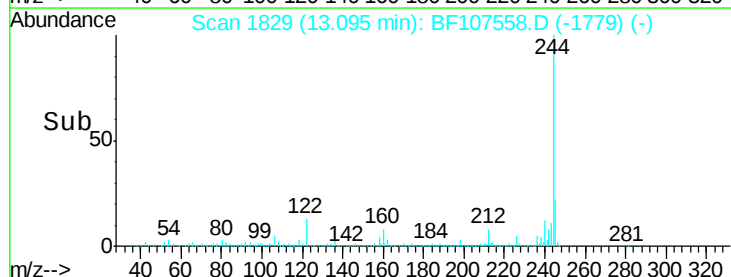
122 13.4 11.0 16.4

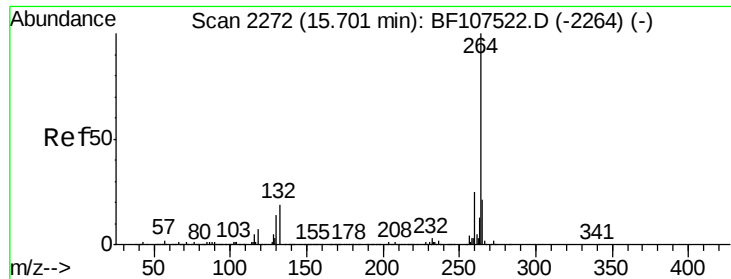


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF107558.D
Acq: 21 Jul 2018 7:10

Instrument :
BNA_F
ClientSampleId :
071718-DBRI-E-D-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.1	17.5	26.3

