

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107575.D
 Acq On : 21 Jul 2018 14:41
 Operator : JU/SJ
 Sample : J4094-08
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 071818-TIPC-E-U-M

Quant Time: Jul 23 03:29:27 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	315099	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1178136	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	451074	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	767825	20.00	ng	0.00
75) Chrysene-d12	14.16	240	691470	20.00	ng	0.00
86) Perylene-d12	15.69	264	562480	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	701295	35.78	ng	0.00
7) Phenol-d6	6.60	99	601928	25.58	ng	-0.02
23) Nitrobenzene-d5	7.54	82	1661476	95.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	392274	76.48	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	2678022	110.09	ng	0.00
78) Terphenyl-d14	13.10	244	1967935	72.86	ng	0.00

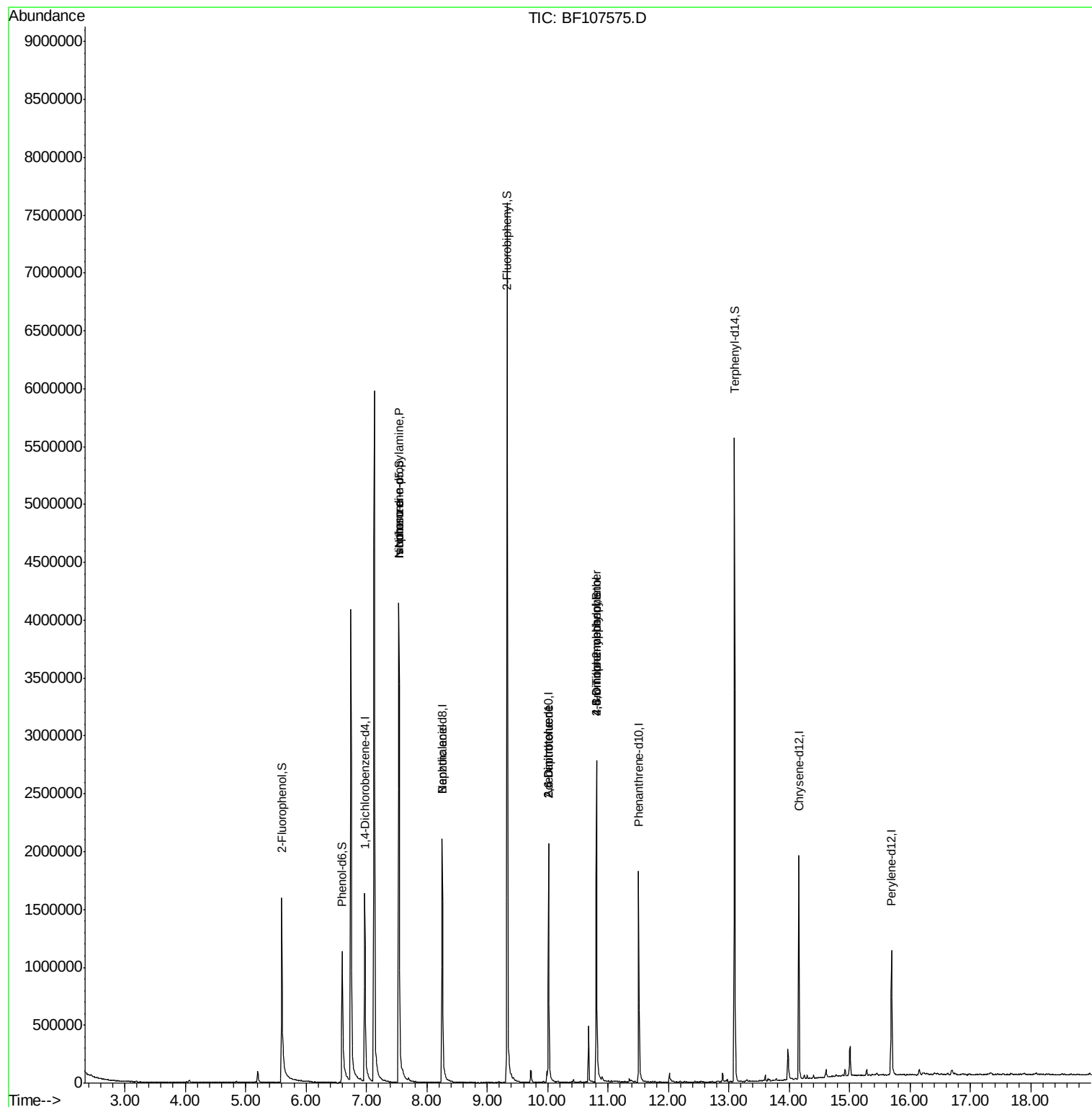
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	1188	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.54	70	227500	14.965	ng	# 80
25) Isophorone	7.54	82	1661468	44.575	ng	# 64
32) Benzoic acid	8.25	122	121	7.909	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	58218	8.625	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	59160	7.261	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	694	8.834	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	24195	2.677	ng	# 1
73) Di-n-butylphthalate	12.06	149	2682	Below Cal	#	78

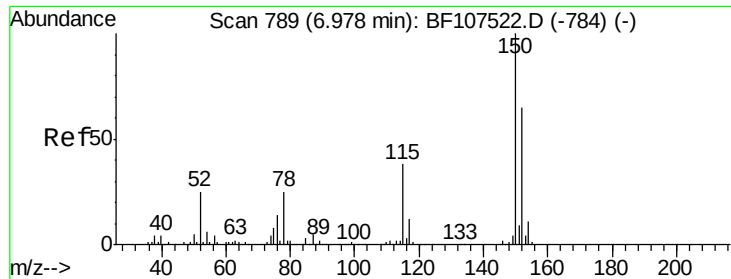
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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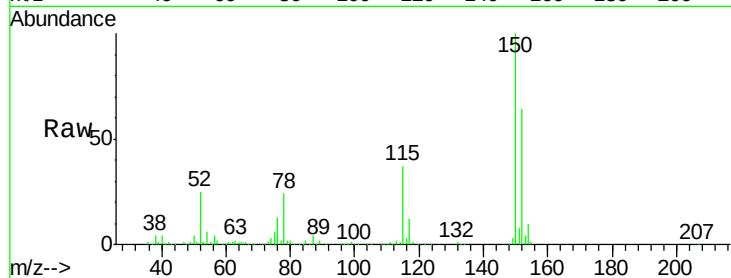


#1

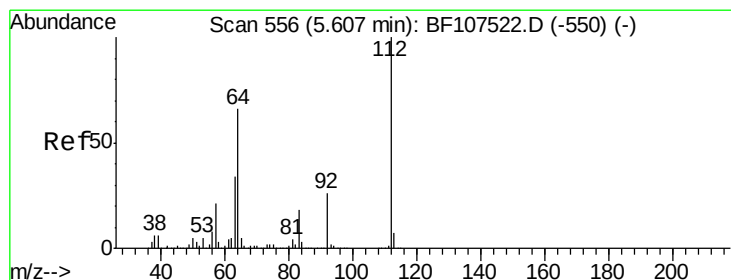
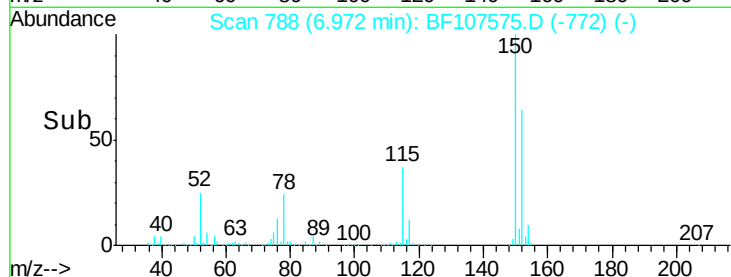
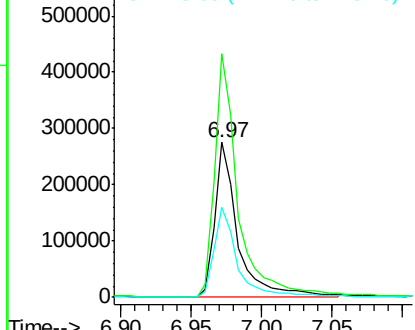
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107575.D
Acq: 21 Jul 2018 14:41

Instrument :
BNA_F
ClientSampleId :
071818-TIPC-E-U-M

Tgt Ion:152 Resp: 315099
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 58.5 50.1 75.1



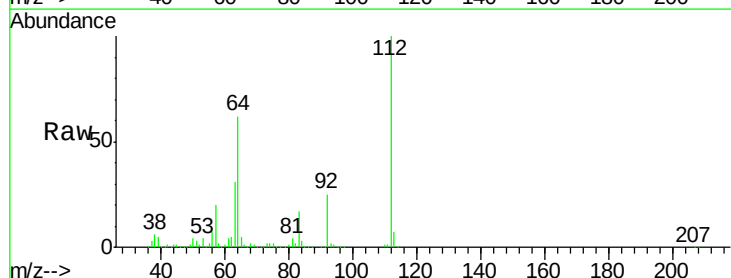
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



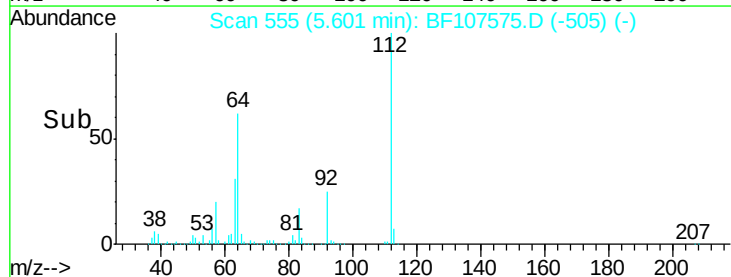
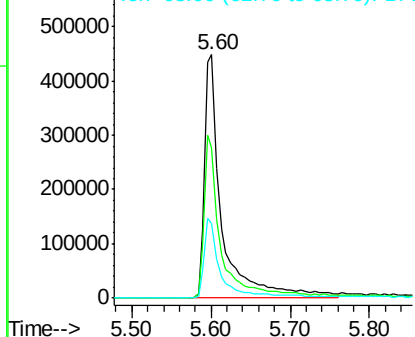
#5

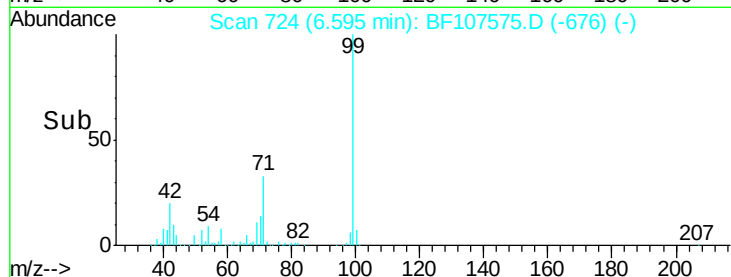
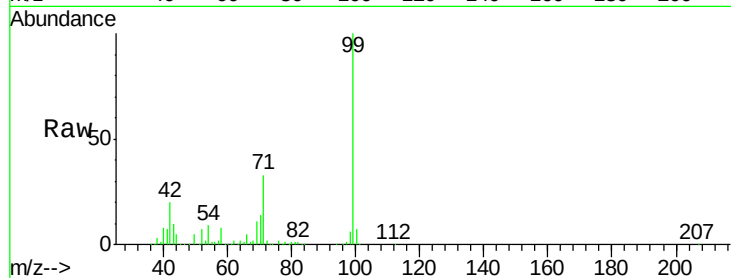
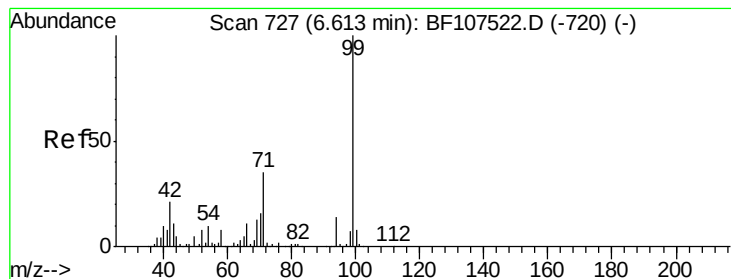
2-Fluorophenol
Concen: 35.784 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107575.D
Acq: 21 Jul 2018 14:41

Tgt Ion:112 Resp: 701295
Ion Ratio Lower Upper
112 100
64 61.6 47.9 71.9
63 30.8 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: 25.579 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107575.D

Acq: 21 Jul 2018 14:41

Instrument :

BNA_F

ClientSampleId :

071818-TIPC-E-U-M

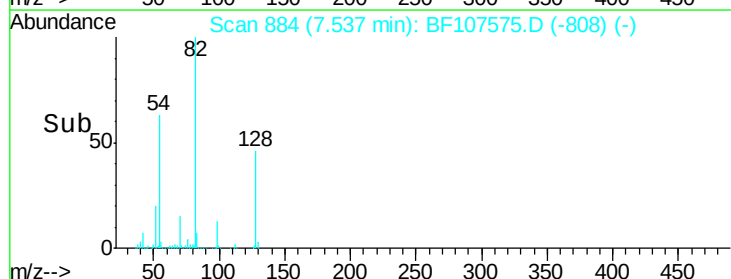
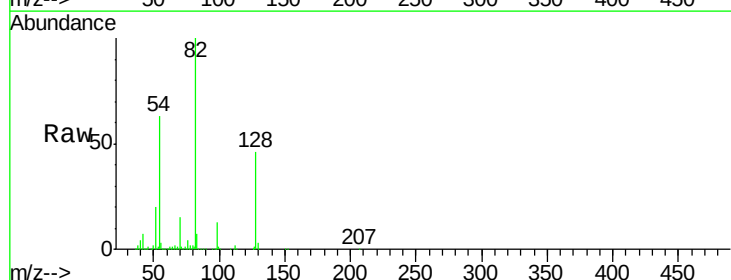
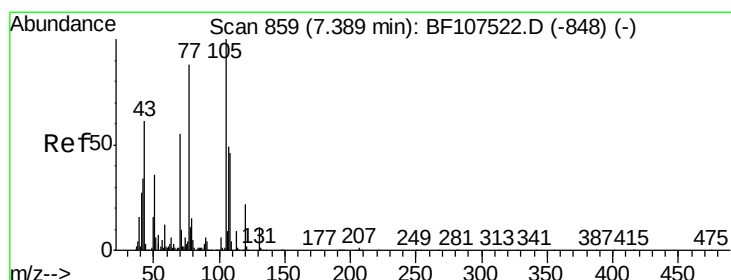
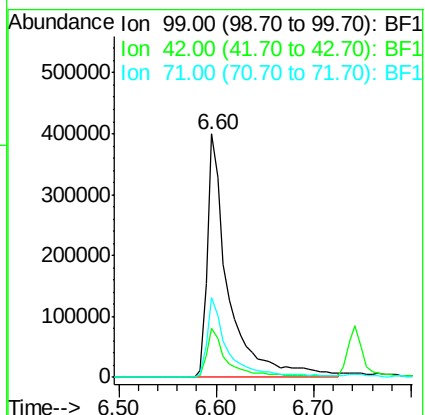
Tgt Ion: 99 Resp: 601928

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.965 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107575.D

Acq: 21 Jul 2018 14:41

Tgt Ion: 70 Resp: 227500

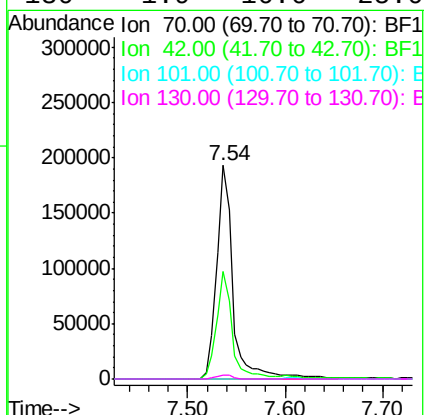
Ion Ratio Lower Upper

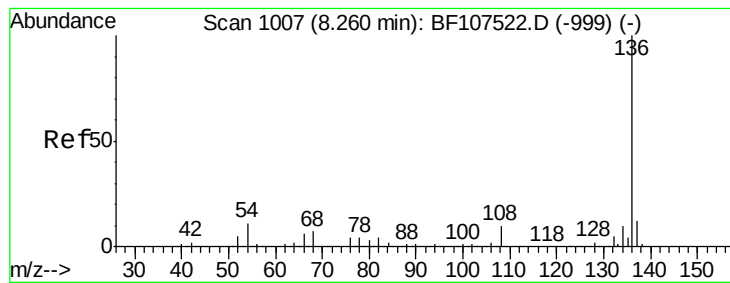
70 100

42 50.6 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 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: BF107575.D

Acq: 21 Jul 2018 14:41

Instrument :

BNA_F

ClientSampleId :

071818-TIPC-E-U-M

Tgt Ion: 136 Resp: 1178136

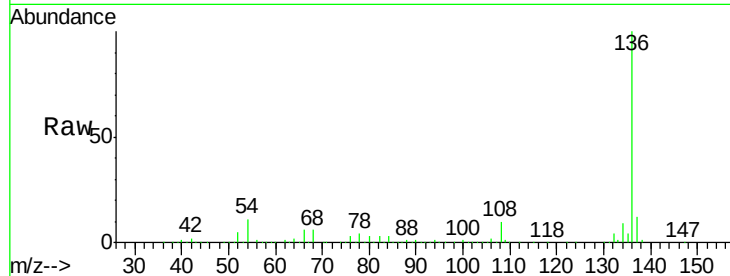
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.6 6.6 9.8#

68 6.3 5.0 7.4

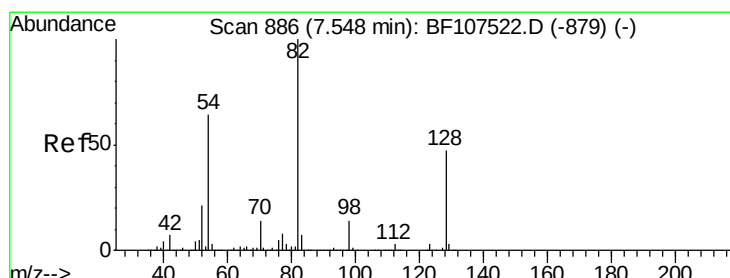
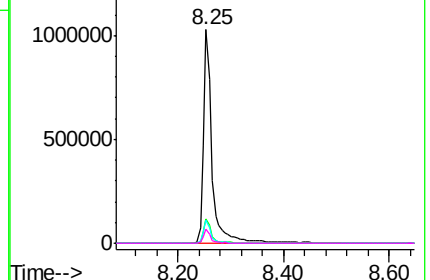
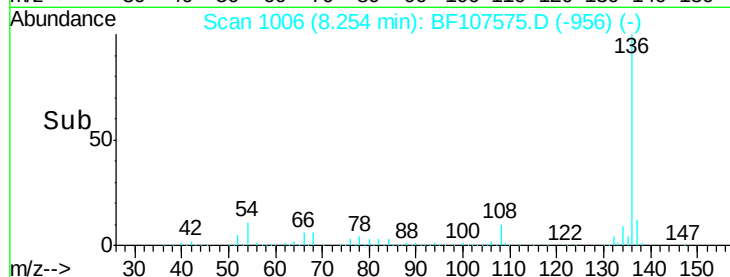


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 95.175 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF107575.D

Acq: 21 Jul 2018 14:41

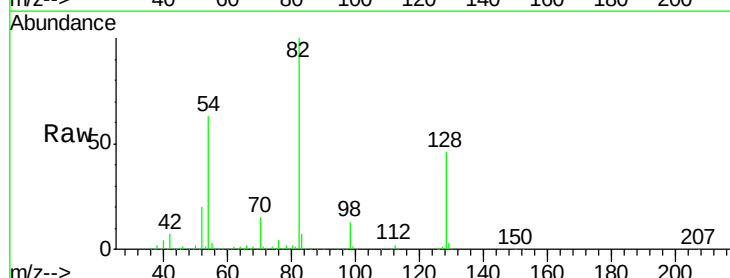
Tgt Ion: 82 Resp: 1661476

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

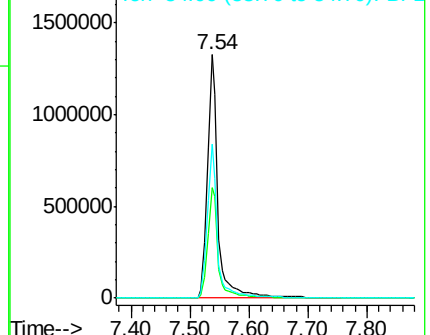
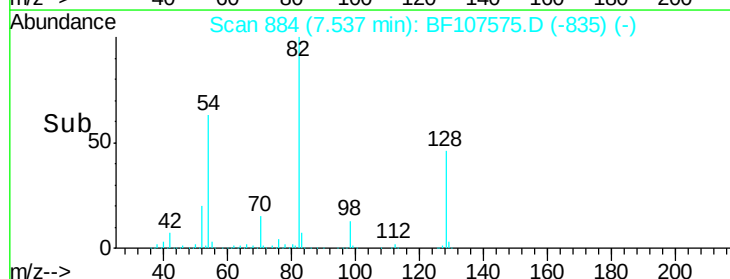
54 63.1 41.4 62.2#

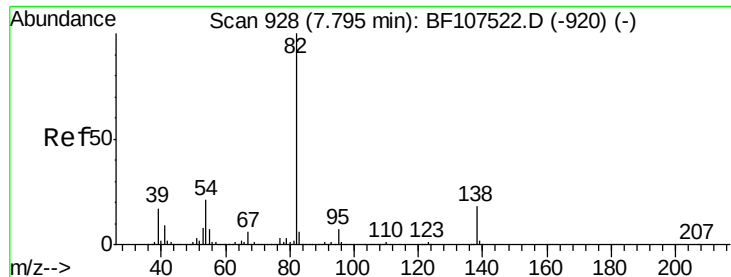


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.575 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107575.D

Acq: 21 Jul 2018 14:41

Instrument :

BNA_F

ClientSampleId :

071818-TIPC-E-U-M

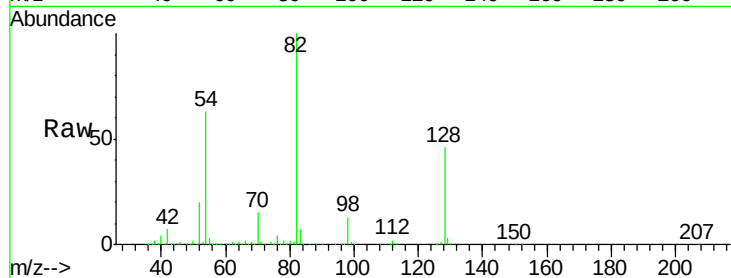
Tgt Ion: 82 Resp: 1661468

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

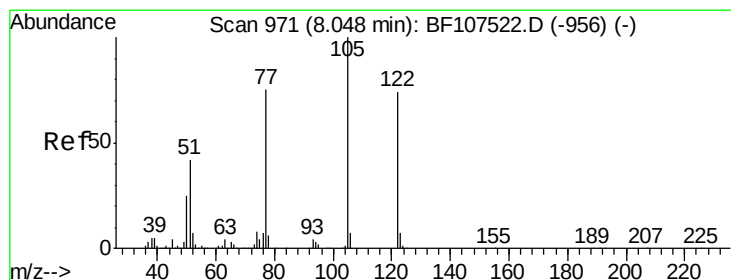
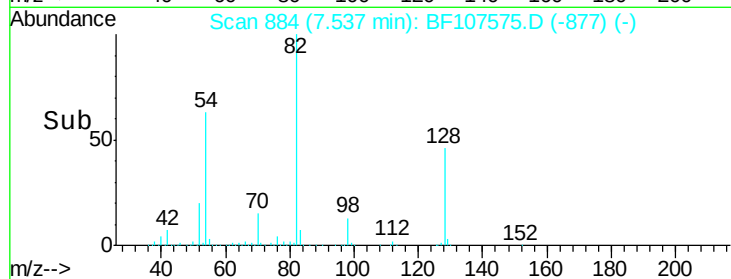
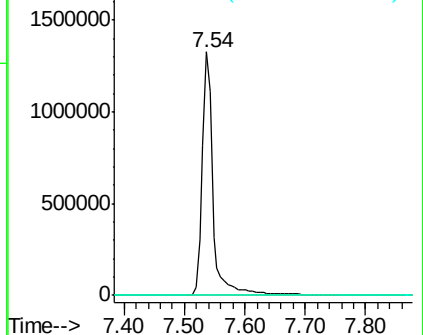
138 0.0 14.9 22.3#



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: 8.25 min Scan# 1006

Delta R.T. 0.21 min

Lab File: BF107575.D

Acq: 21 Jul 2018 14:41

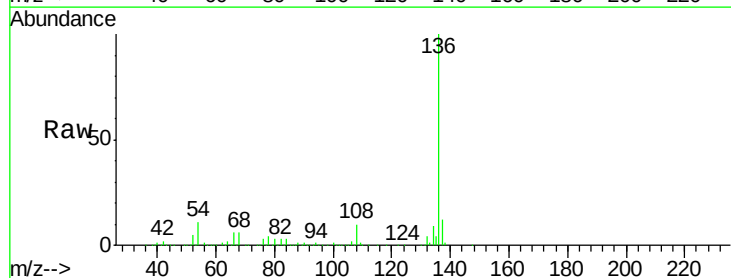
Tgt Ion: 122 Resp: 121

Ion Ratio Lower Upper

122 100

105 292.1 101.1 141.1#

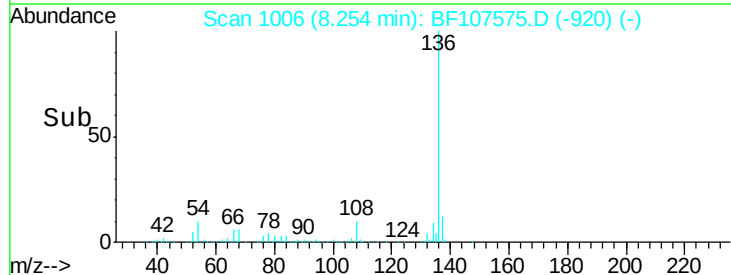
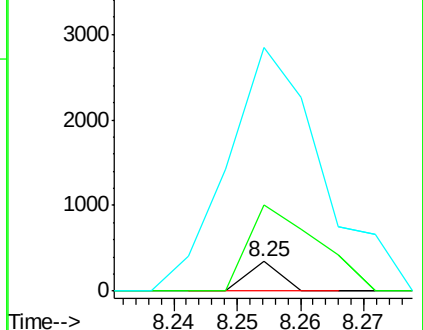
77 829.2 70.7 110.7#

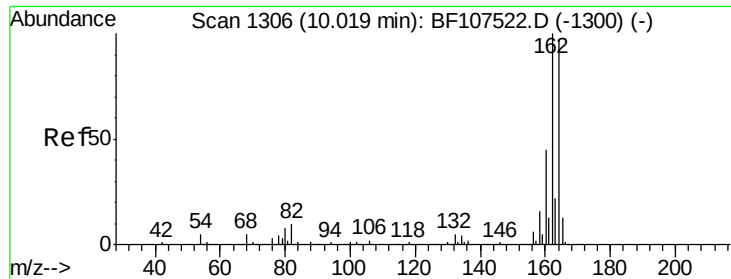


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

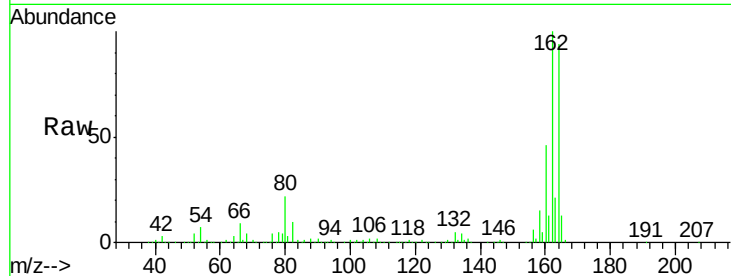




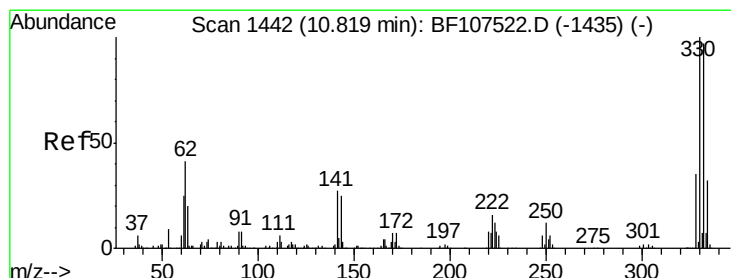
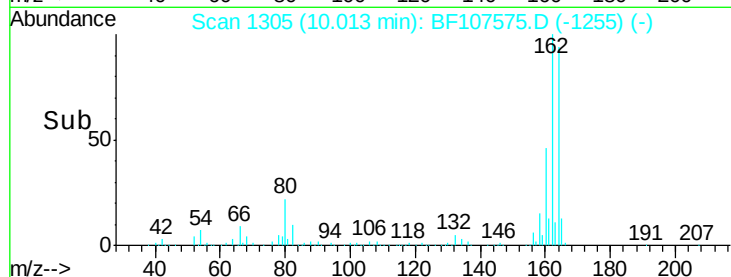
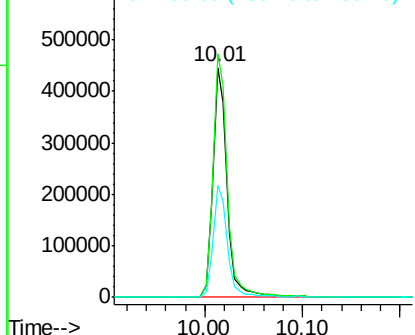
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF107575.D
 Acq: 21 Jul 2018 14:41

Instrument :
 BNA_F
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 071818-TIPC-E-U-M

Tgt Ion:164 Resp: 451074
 Ion Ratio Lower Upper
 164 100
 162 105.8 86.1 129.1
 160 48.7 38.3 57.5

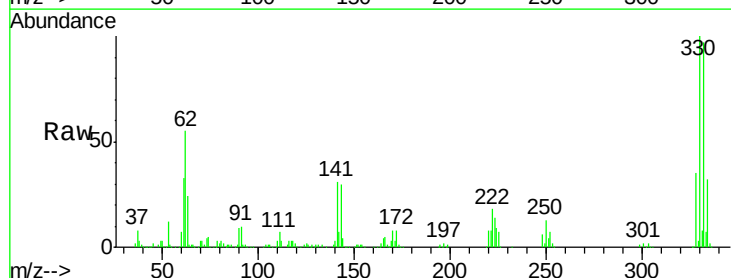


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

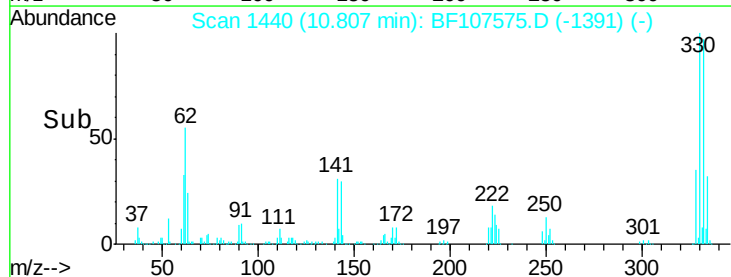
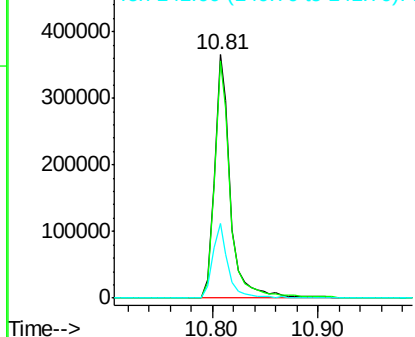


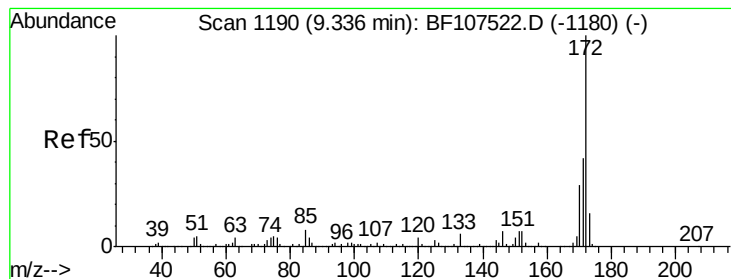
#41
 2,4,6-Tribromophenol
 Concen: 76.475 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107575.D
 Acq: 21 Jul 2018 14:41

Tgt Ion:330 Resp: 392274
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 30.3 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: 110.093 ng

RT: 9.33 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF107575.D

Acq: 21 Jul 2018 14:41

Instrument :

BNA_F

ClientSampleId :

071818-TIPC-E-U-M

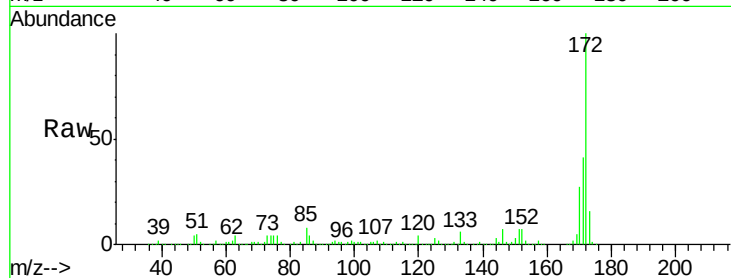
Tgt Ion:172 Resp: 2678022

Ion Ratio Lower Upper

172 100

171 40.8 29.7 44.5

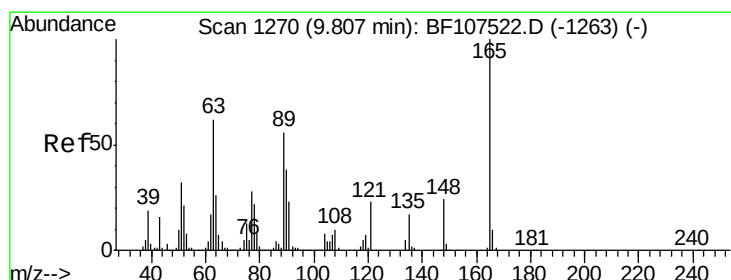
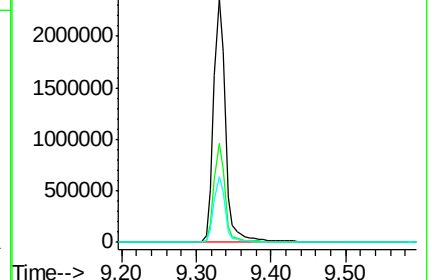
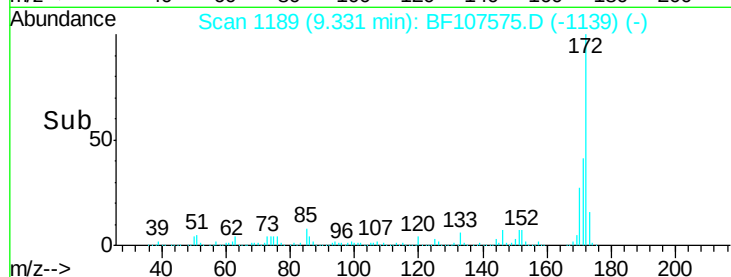
170 27.2 19.6 29.4



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: 8.625 ng

RT: 10.01 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF107575.D

Acq: 21 Jul 2018 14:41

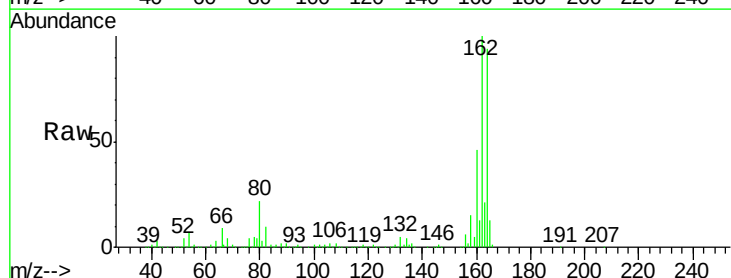
Tgt Ion:165 Resp: 58218

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

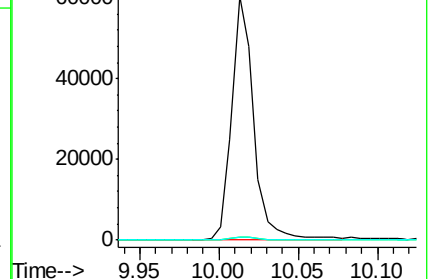
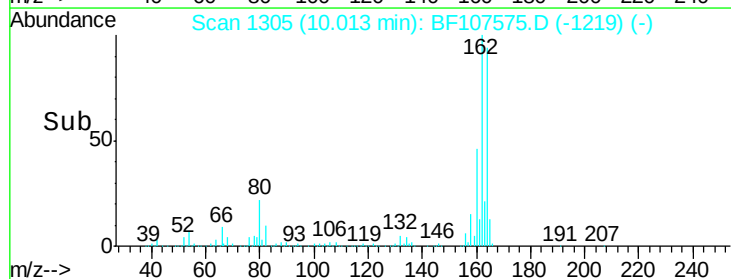
89 1.2 44.0 66.0#

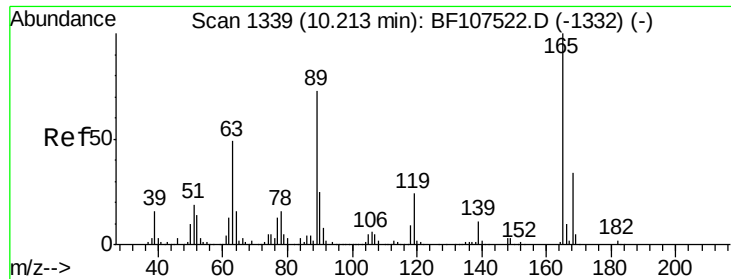


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

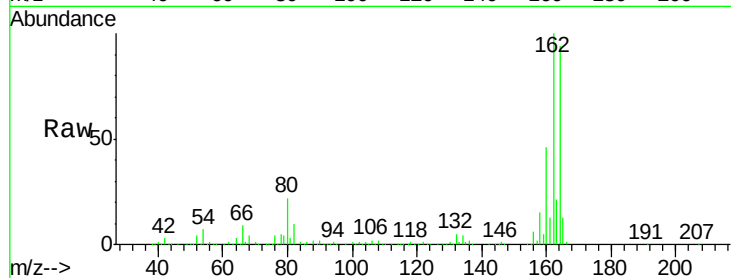




#56
2,4-Dinitrotoluene
Concen: 7.261 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF107575.D
Acq: 21 Jul 2018 14:41

Instrument :
BNA_F
ClientSampleId :
071818-TIPC-E-U-M

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

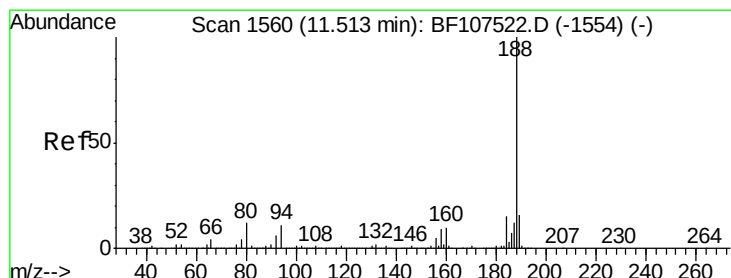
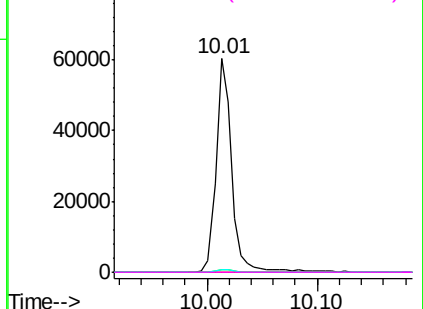
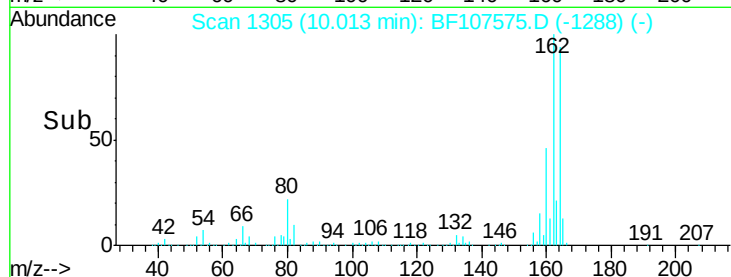


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

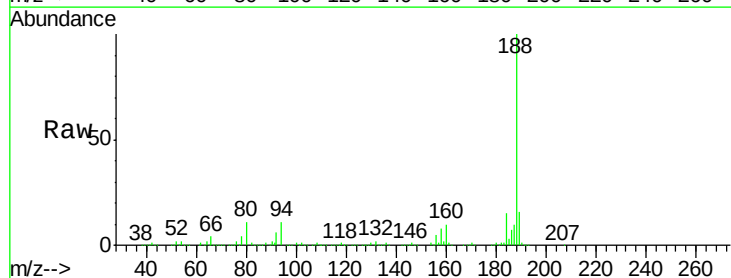
Ion 89.00 (88.70 to 89.70): BF1

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: BF107575.D
Acq: 21 Jul 2018 14:41

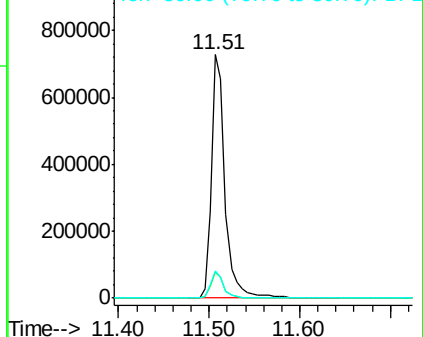
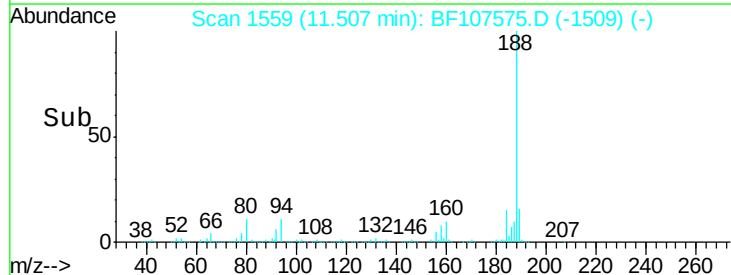
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.2	9.2	13.8

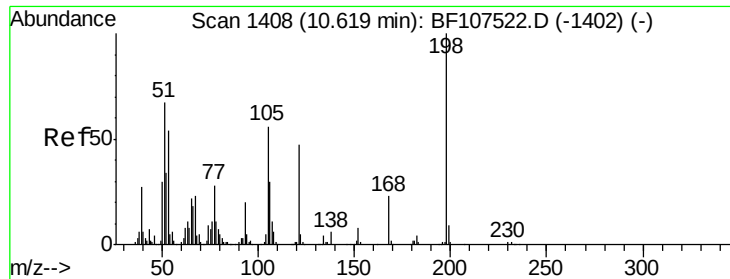


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

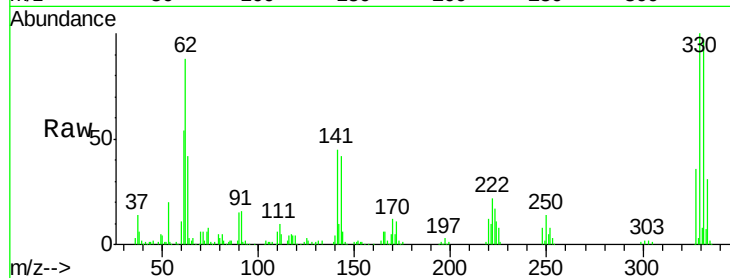




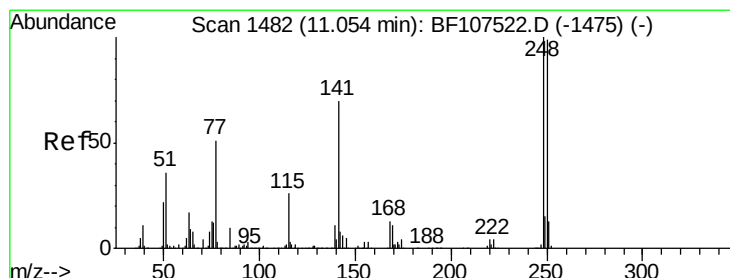
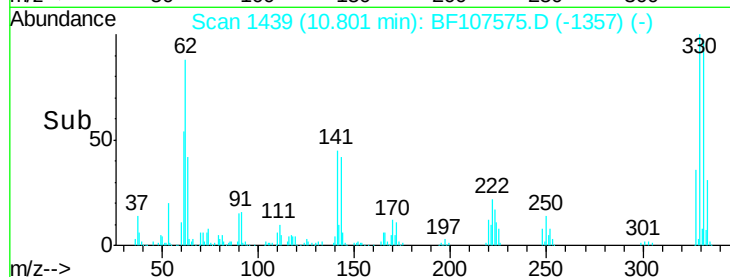
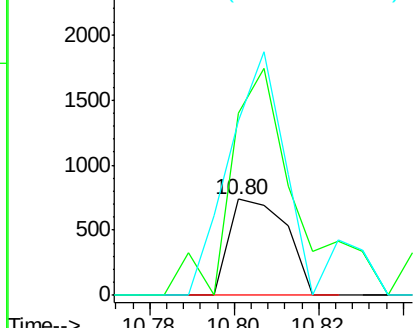
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.834 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.18 min
 Lab File: BF107575.D
 Acq: 21 Jul 2018 14:41

Instrument :
 BNA_F
 ClientSampleId :
 071818-TIPC-E-U-M

Tgt Ion:198 Resp: 694
 Ion Ratio Lower Upper
 198 100
 51 189.0 37.7 77.7#
 105 181.3 36.3 76.3#

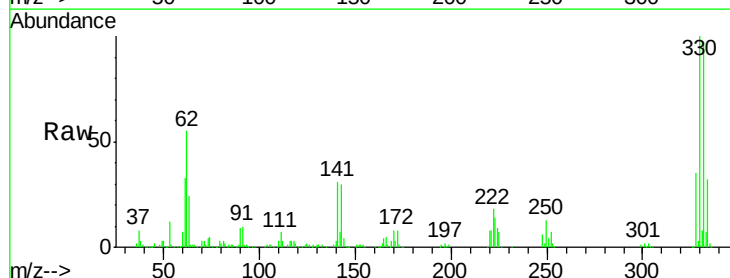


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

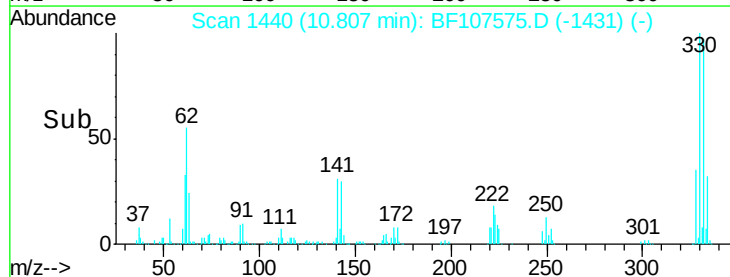
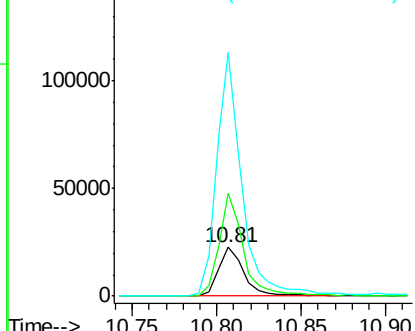


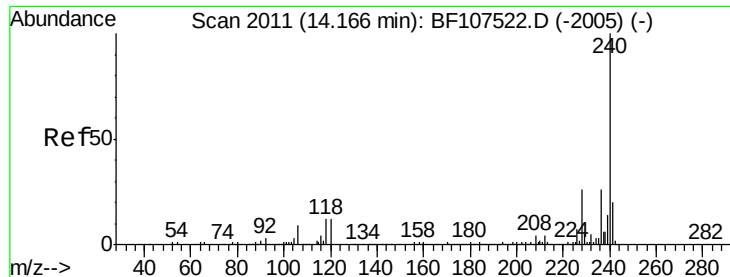
#66
 4-Bromophenyl-phenylether
 Concen: 2.677 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF107575.D
 Acq: 21 Jul 2018 14:41

Tgt Ion:248 Resp: 24195
 Ion Ratio Lower Upper
 248 100
 250 211.6 76.9 115.3#
 141 499.6 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: BF107575.D

Acq: 21 Jul 2018 14:41

Instrument :

BNA_F

ClientSampleId :

071818-TIPC-E-U-M

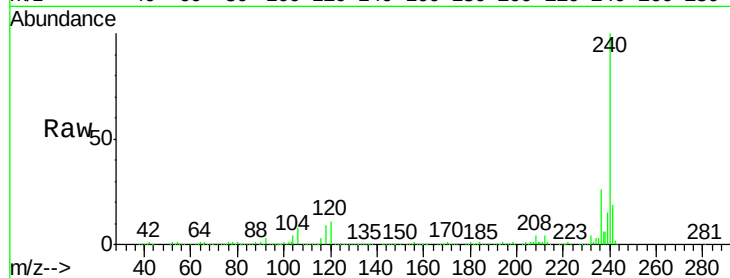
Tgt Ion:240 Resp: 691470

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

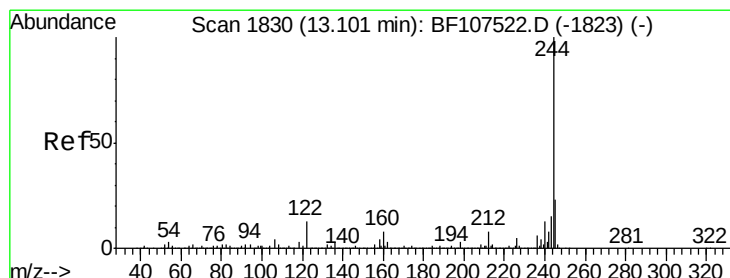
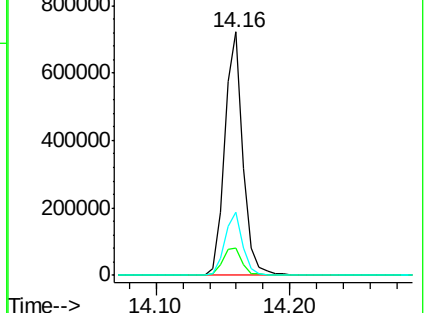
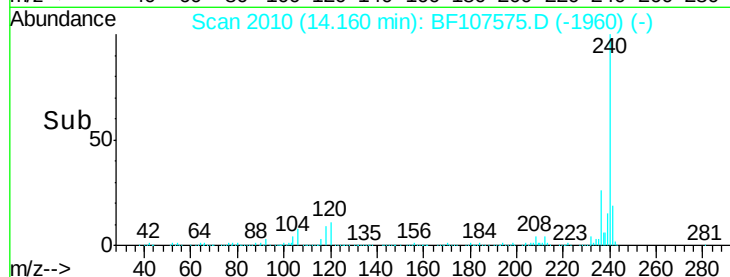
236 25.9 20.7 31.1



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: 72.861 ng

RT: 13.10 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF107575.D

Acq: 21 Jul 2018 14:41

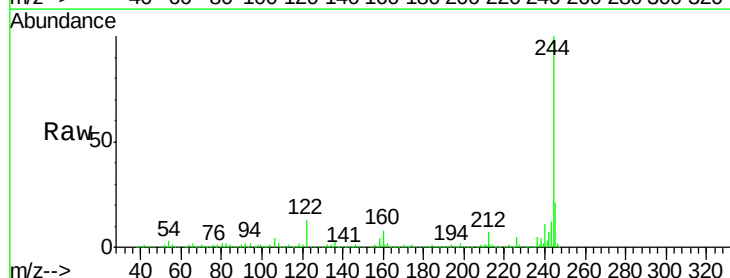
Tgt Ion:244 Resp: 1967935

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

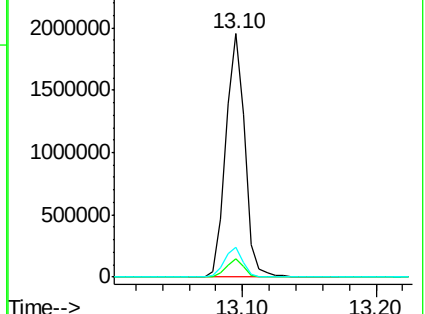
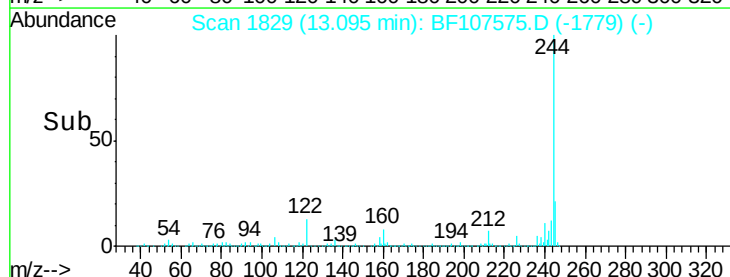
122 12.5 11.0 16.4

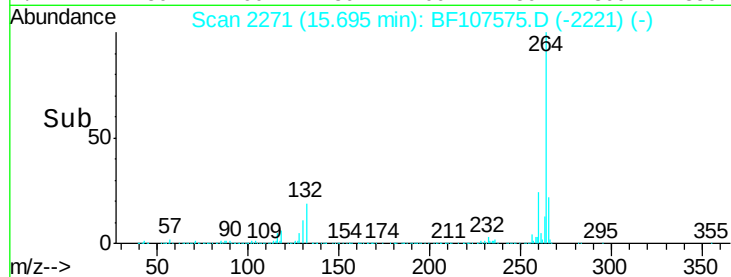
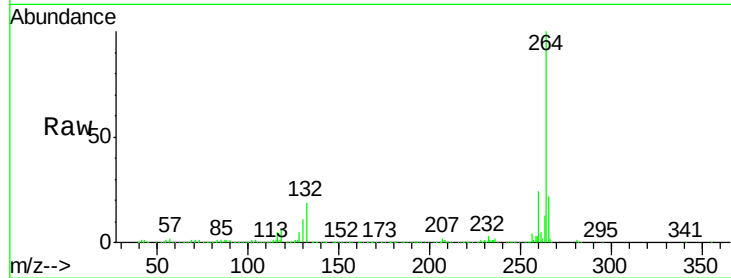
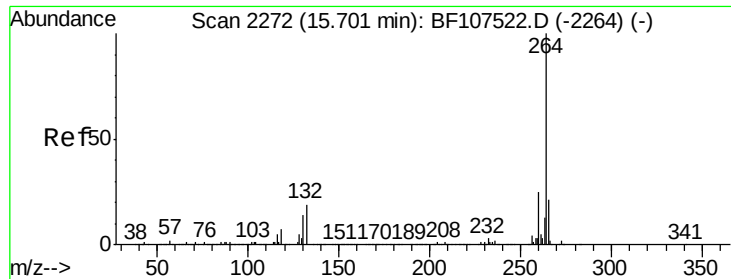


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF107575.D
Acq: 21 Jul 2018 14:41

Instrument :
BNA_F
ClientSampleId :
071818-TIPC-E-U-M

Tgt Ion: 264 Resp: 562480
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.9 17.5 26.3

