

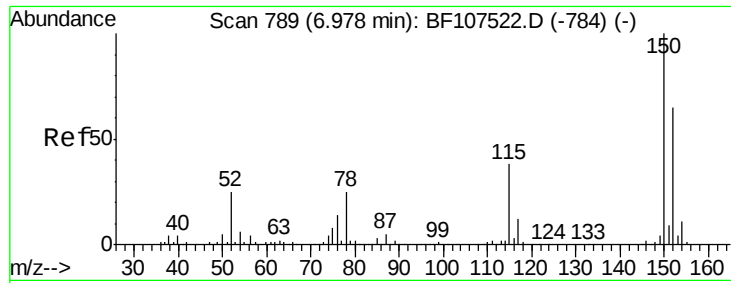
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
 Data File : BF107654.D
 Acq On : 25 Jul 2018 13:59
 Operator : JU/SJ
 Sample : J4096-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-12

Quant Time: Jul 25 15:06:53 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	281256	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	1087505	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	453139	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	809659	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	557158	20.00	ng	-0.01
86) Perylene-d12	15.68	264	530629	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1527882	87.34	ng	0.00
7) Phenol-d6	6.60	99	1851033	88.12	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1161485	72.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	457820	88.85	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1791946	62.90	ng	-0.01
78) Terphenyl-d14	13.09	244	1357216	62.36	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.60	77	3231	Below Cal	Qvalue	# 9
19) n-Nitroso-di-n-propylamine	7.53	70	150008	11.055 ng	#	78
25) Isophorone	7.53	82	1161479	33.758 ng	#	64
32) Benzoic acid	8.25	122	133	7.911 ng	#	1
49) Dimethylphthalate	9.71	163	194967	5.709 ng	#	98
56) 2,4-Dinitrotoluene	10.01	165	57458	7.020 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.80	198	478	8.781 ng	#	1
66) 4-Bromophenyl-phenylether	10.80	248	26622	2.793 ng	#	1
73) Di-n-butylphthalate	12.05	149	8221	Below Cal	#	94
74) Fluoranthene	12.72	202	102426	2.419 ng		97
77) Pyrene	12.95	202	87282	2.290 ng		96
81) 3,3'-Dichlorobenzidine	14.11	252	536	Below Cal	#	12
87) Benzo(b)fluoranthene	15.22	252	100289	3.453 ng	#	93
88) Benzo(k)fluoranthene	15.22	252	100289	3.525 ng		96

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

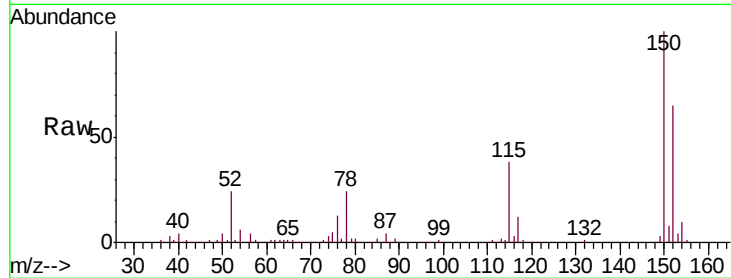


#1

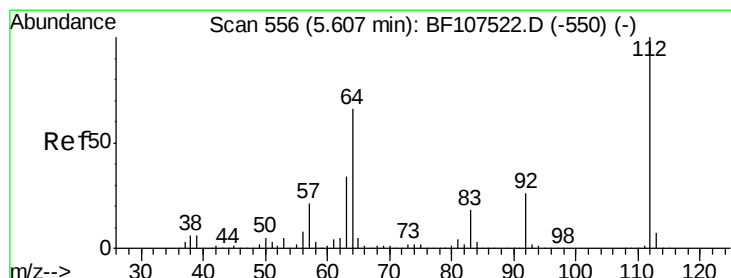
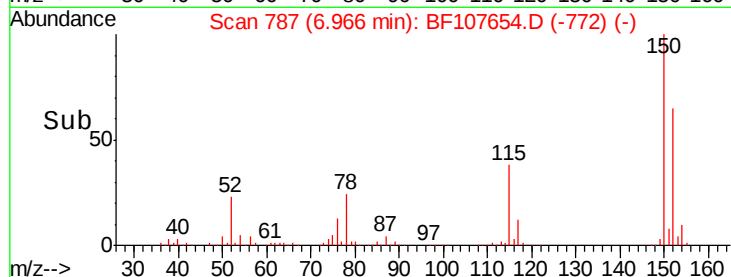
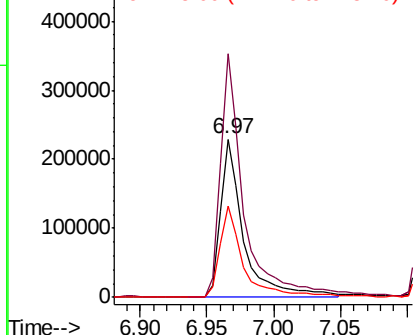
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107654.D
Acq: 25 Jul 2018 13:59

Instrument :
BNA_F
ClientSampleId :
DW-12

Tgt Ion:152 Resp: 281256
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 57.7 50.1 75.1



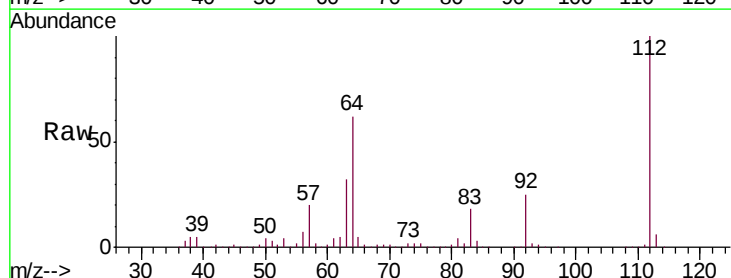
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



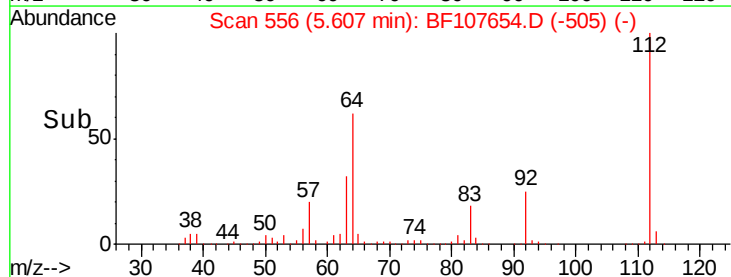
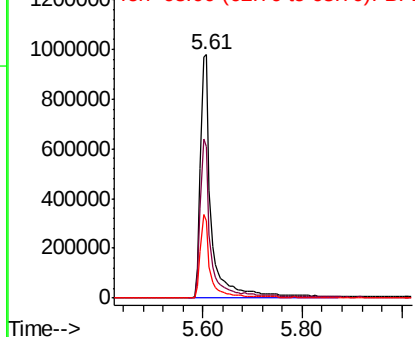
#5

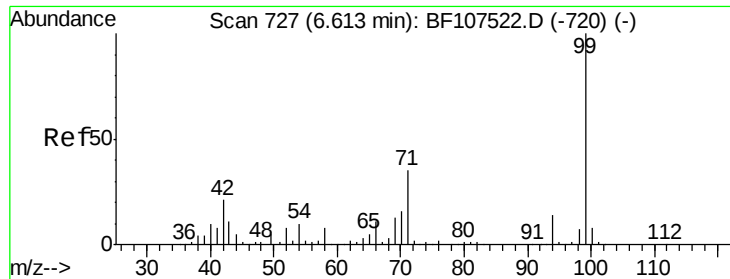
2-Fluorophenol
Concen: 87.342 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107654.D
Acq: 25 Jul 2018 13:59

Tgt Ion:112 Resp: 1527882
Ion Ratio Lower Upper
112 100
64 62.2 47.9 71.9
63 31.9 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: 88.125 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

Instrument :

BNA_F

ClientSampleId :

DW-12

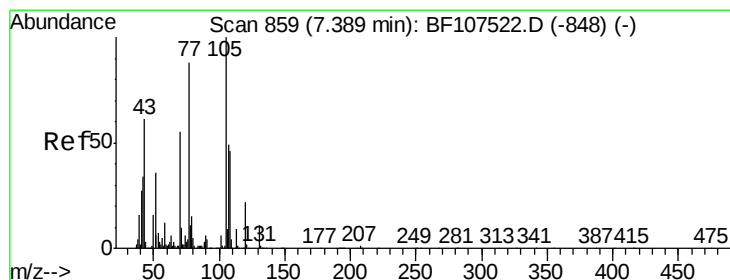
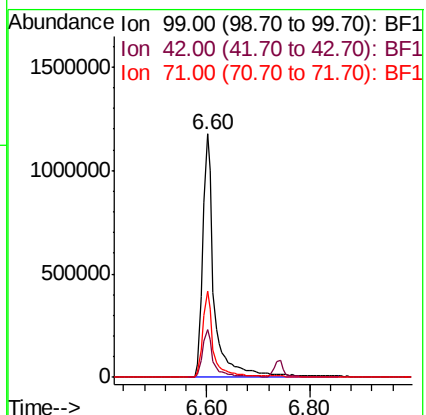
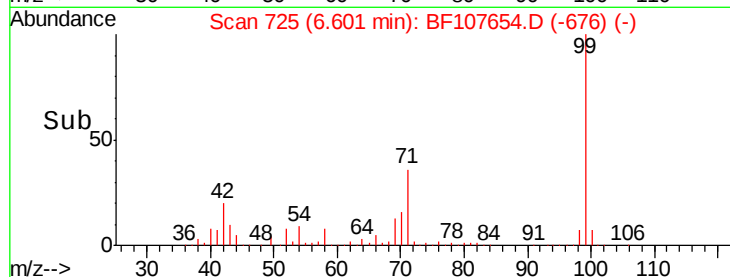
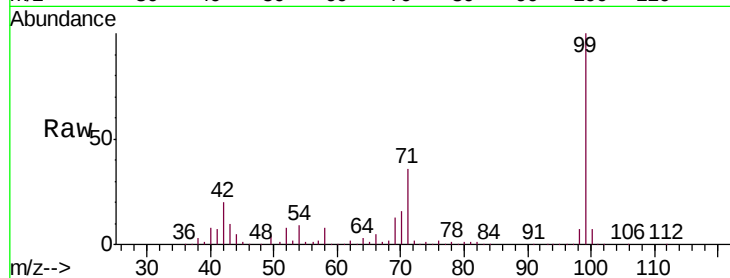
Tgt Ion: 99 Resp: 1851033

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 35.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.055 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

Tgt Ion: 70 Resp: 150008

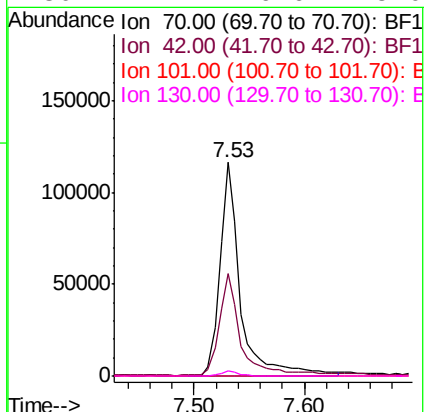
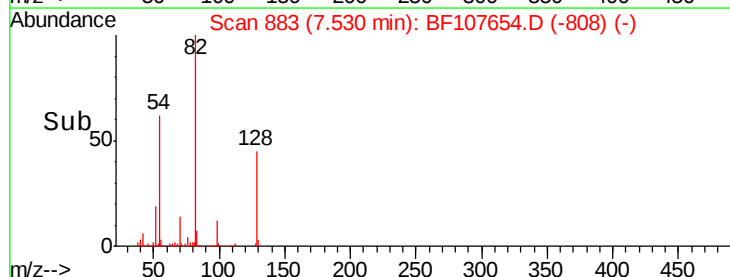
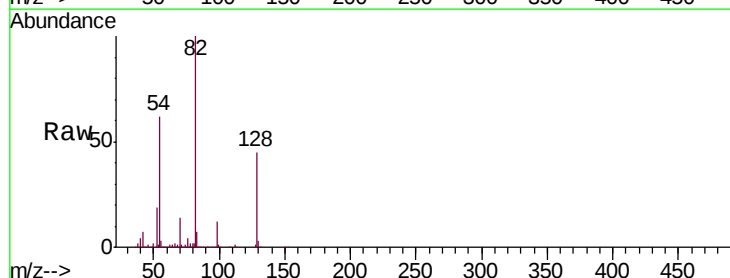
Ion Ratio Lower Upper

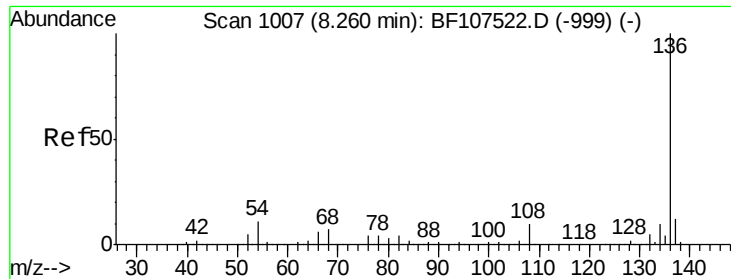
70 100

42 48.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

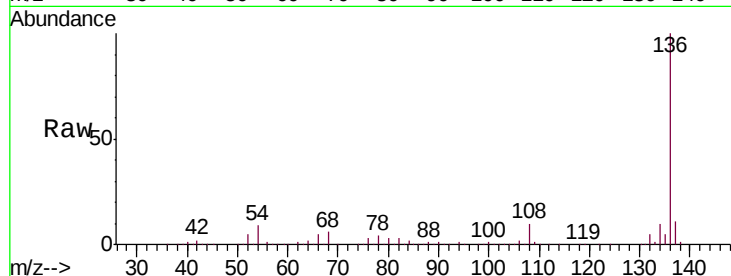




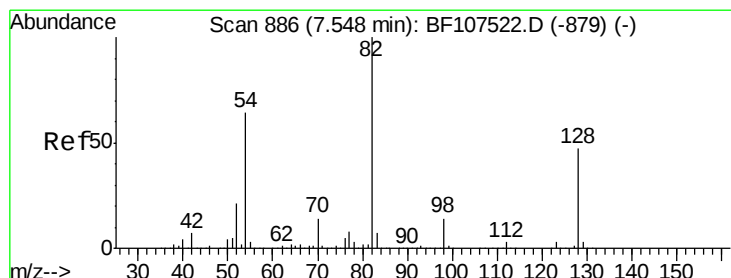
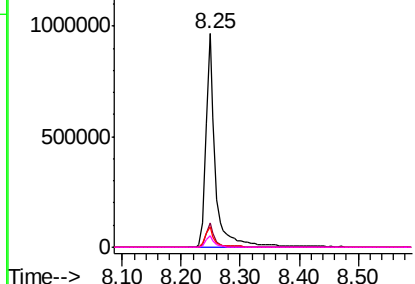
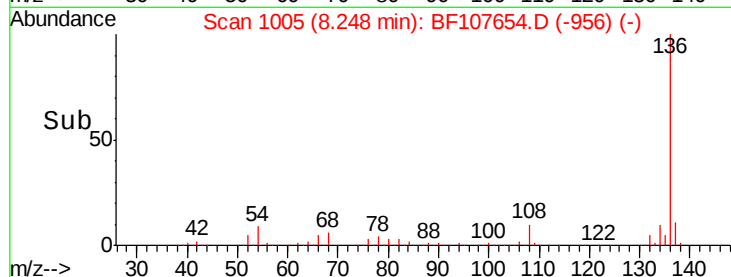
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107654.D
Acq: 25 Jul 2018 13:59

Instrument :
BNA_F
ClientSampled :
DW-12

Tgt Ion:	136	Resp:	1087505
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	9.4	6.6	9.8
68	5.6	5.0	7.4

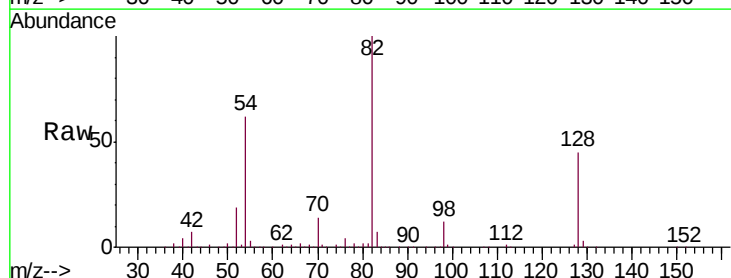


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

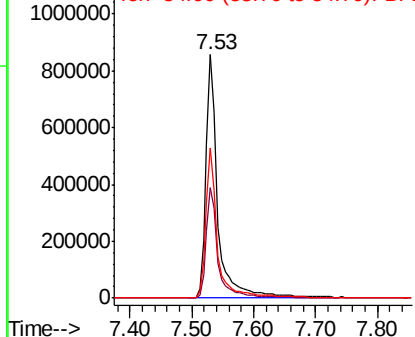
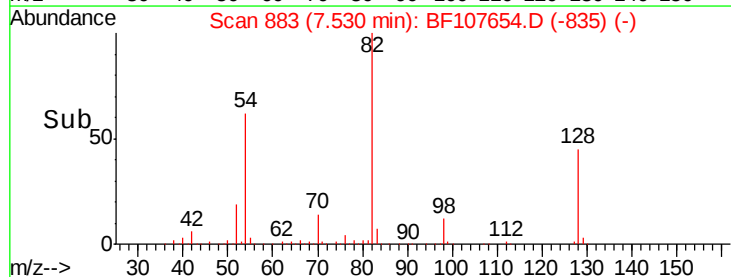


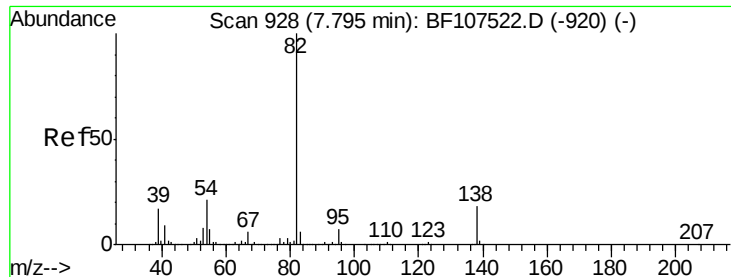
#23
Nitrobenzene-d5
Concen: 72.079 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107654.D
Acq: 25 Jul 2018 13:59

Tgt Ion:	82	Resp:	1161485
Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	61.9	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: 33.758 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

Instrument :

BNA_F

ClientSampled :

DW-12

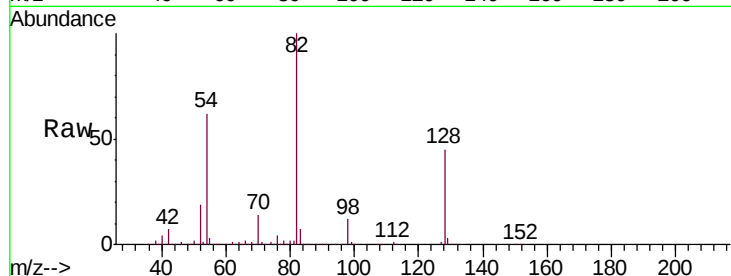
Tgt Ion: 82 Resp: 1161479

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

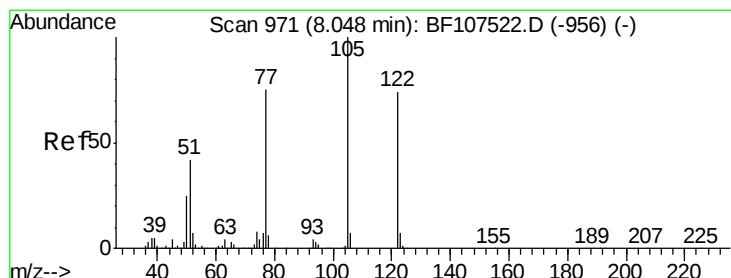
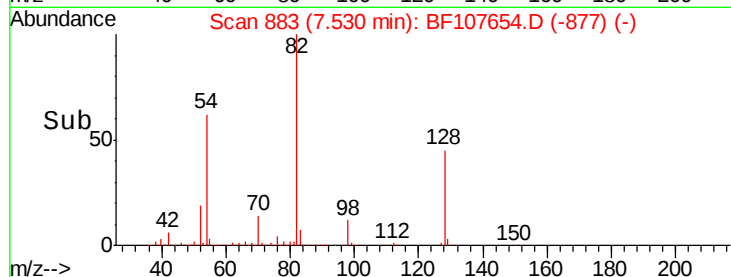
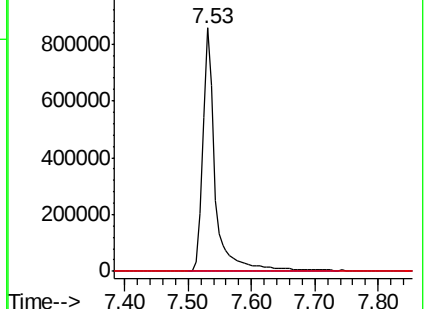
138 0.0 14.9 22.3#



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: 7.911 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.20 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

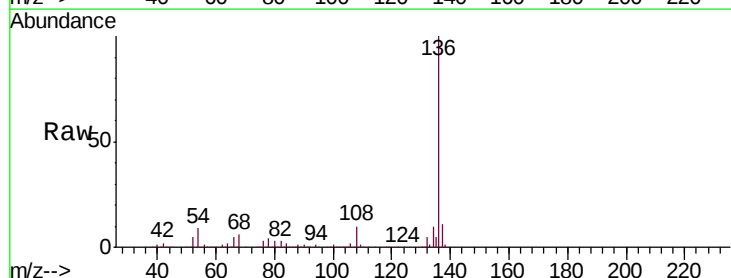
Tgt Ion: 122 Resp: 133

Ion Ratio Lower Upper

122 100

105 251.5 101.1 141.1#

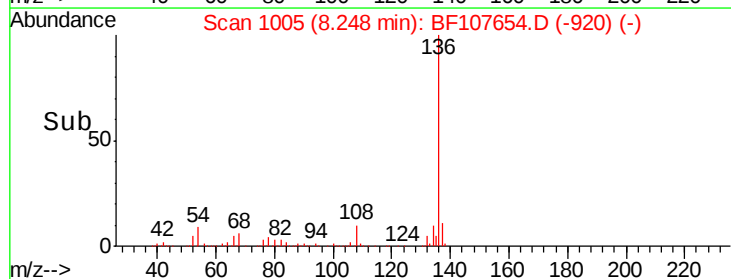
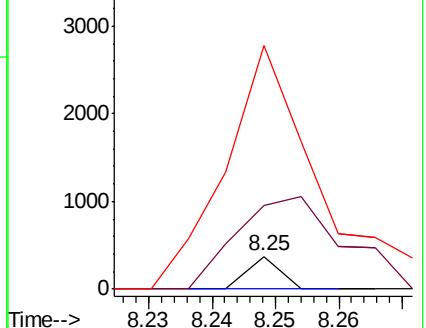
77 736.6 70.7 110.7#

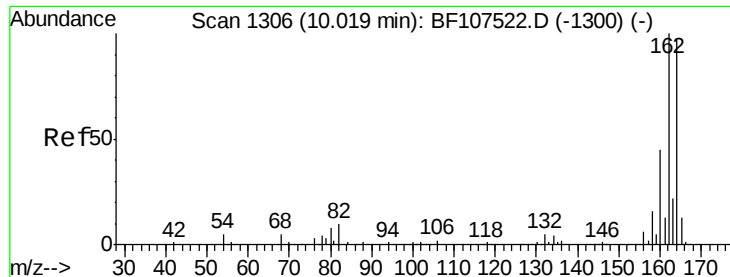


Abundance Ion 122.00 (121.70 to 122.70): BF1

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# 1304

Delta R.T. -0.01 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

Instrument :

BNA_F

ClientSampleId :

DW-12

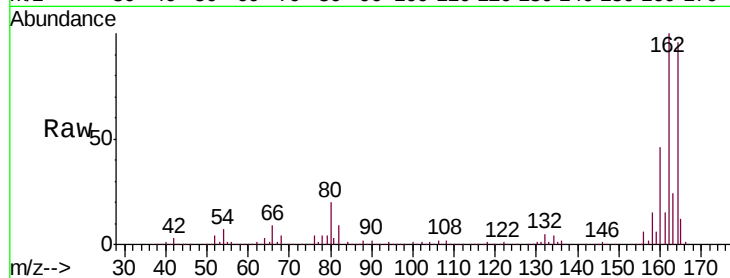
Tgt Ion:164 Resp: 453139

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

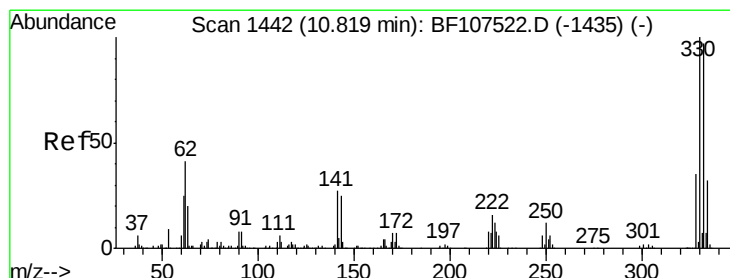
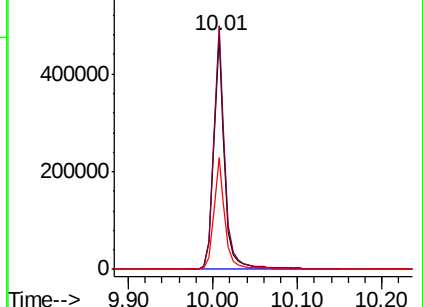
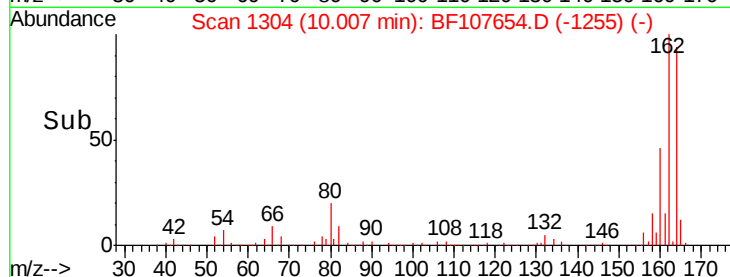
160 48.0 38.3 57.5



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: 88.847 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.02 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

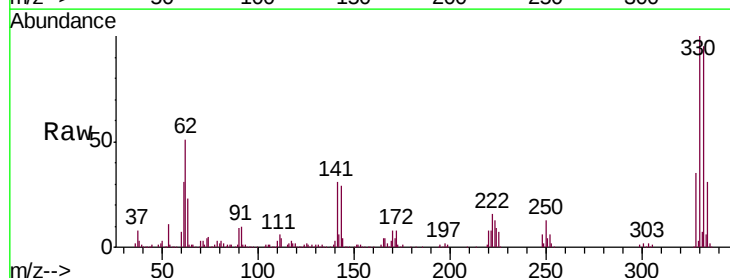
Tgt Ion:330 Resp: 457820

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

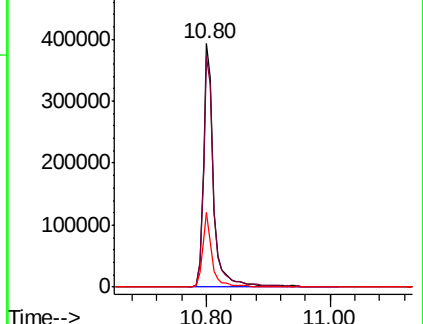
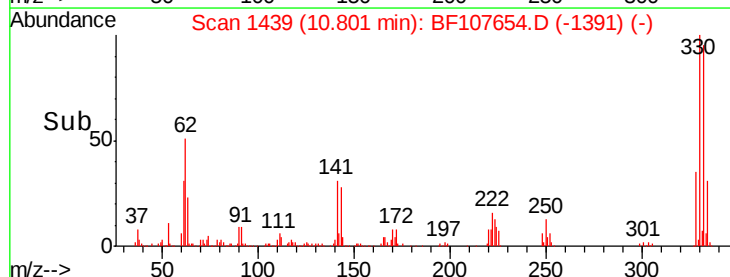
141 29.1 29.9 44.9#

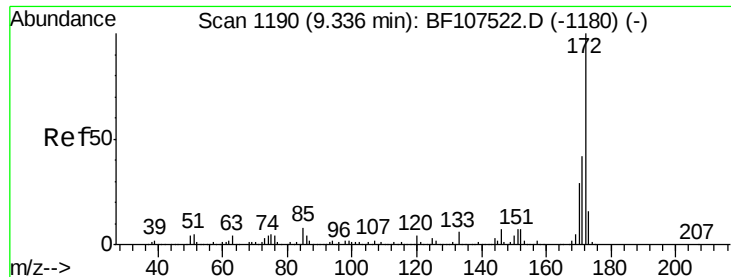


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

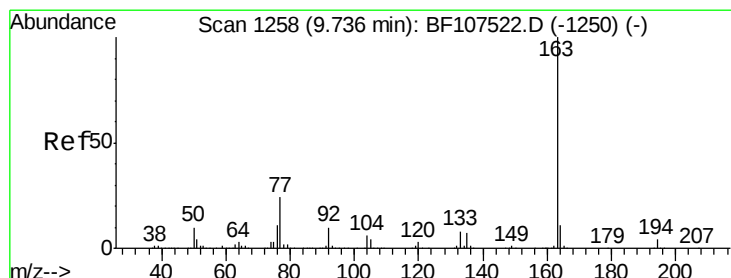
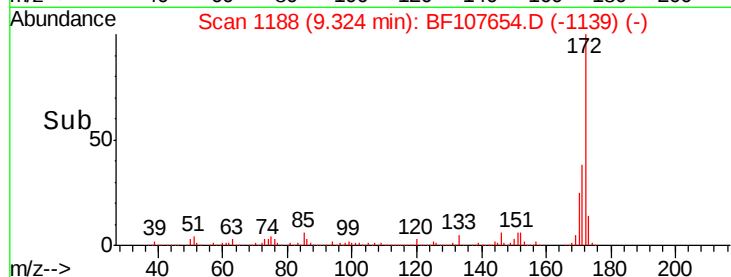
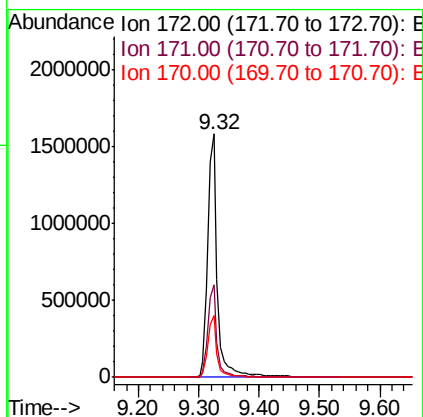
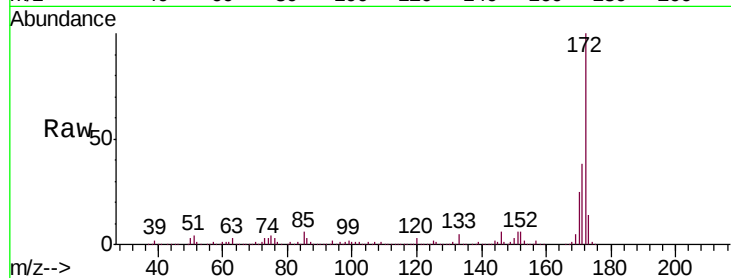




#44
2-Fluorobiphenyl
Concen: 62.895 ng
RT: 9.32 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF107654.D
Acq: 25 Jul 2018 13:59

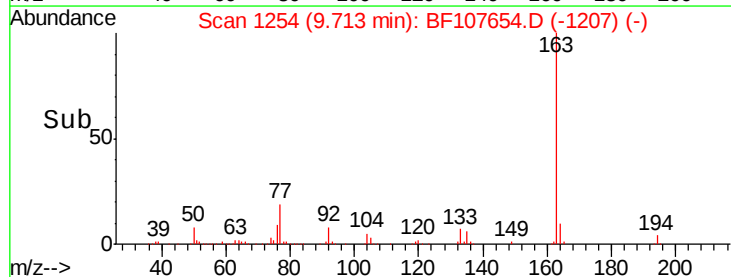
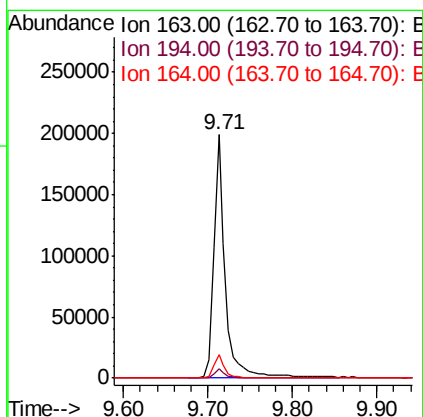
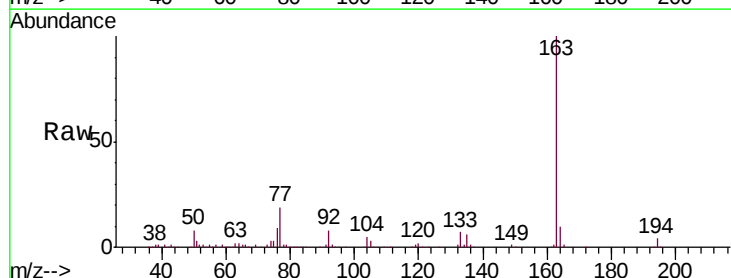
Instrument :
BNA_F
ClientSampleId :
DW-12

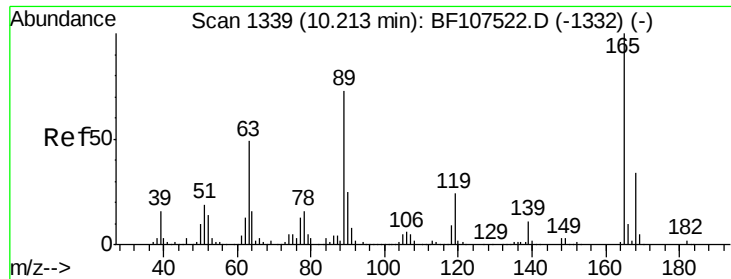
Tgt Ion:172 Resp: 1791946
Ion Ratio Lower Upper
172 100
171 37.8 29.7 44.5
170 25.4 19.6 29.4



#49
Dimethylphthalate
Concen: 5.709 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107654.D
Acq: 25 Jul 2018 13:59

Tgt Ion:163 Resp: 194967
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 9.7 8.2 12.2

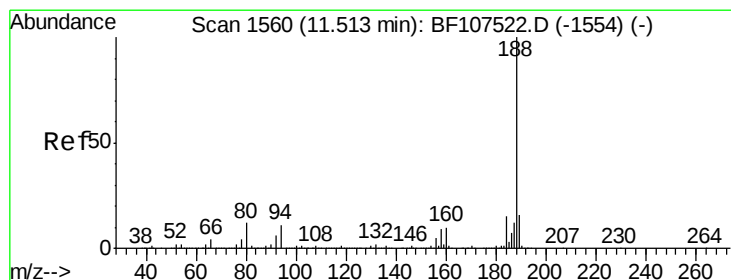
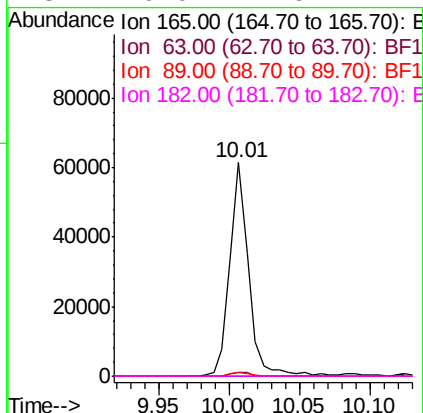
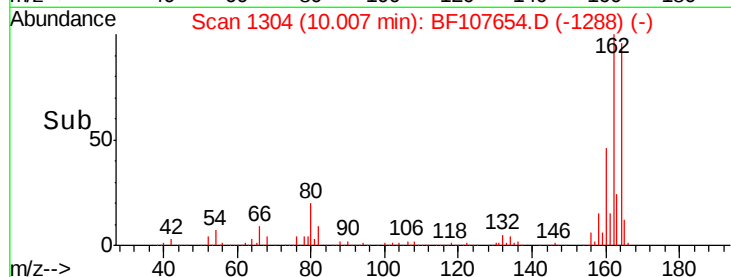
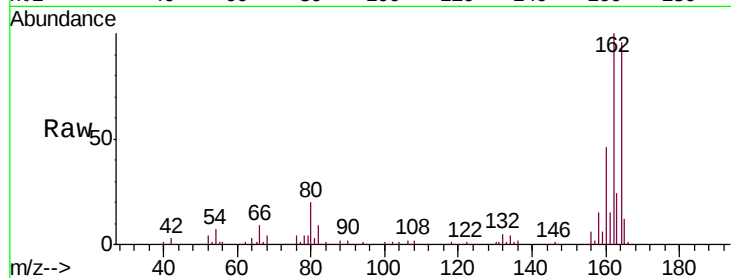




#56
 2,4-Dinitrotoluene
 Concen: 7.020 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF107654.D
 Acq: 25 Jul 2018 13:59

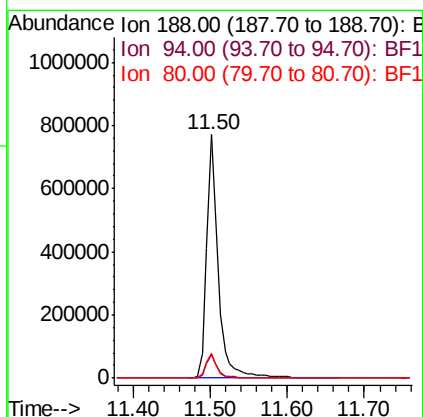
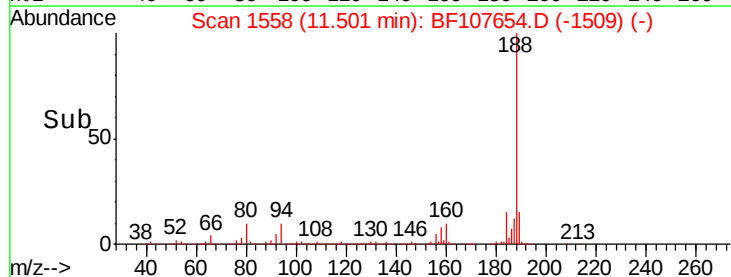
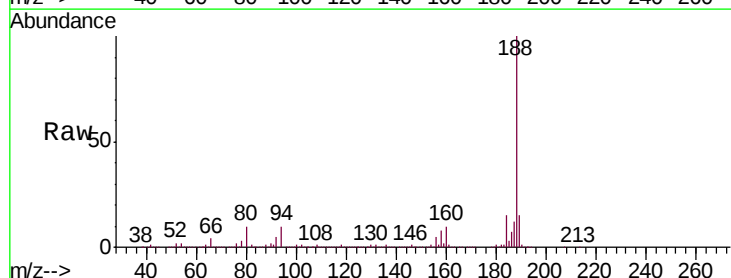
Instrument :
 BNA_F
 ClientSampleId :
 DW-12

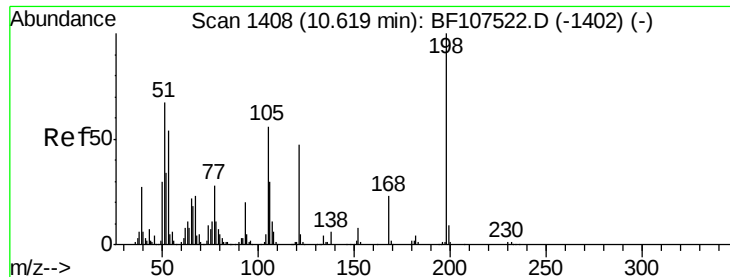
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107654.D
 Acq: 25 Jul 2018 13:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	9.9	9.2	13.8

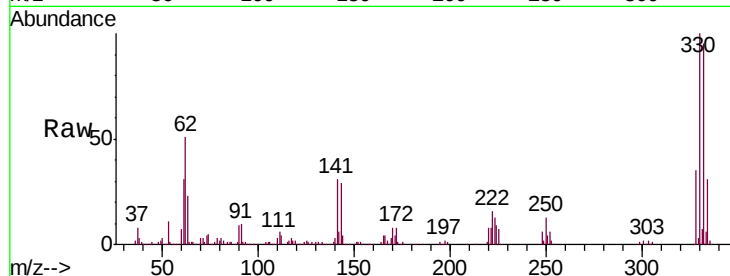




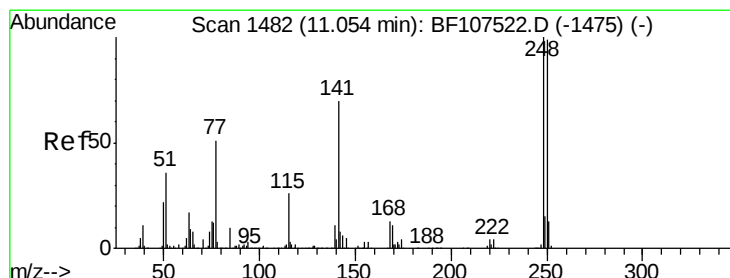
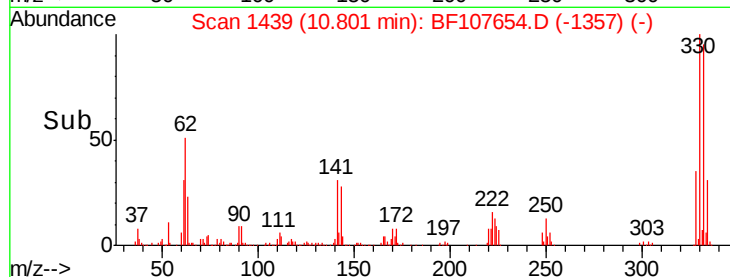
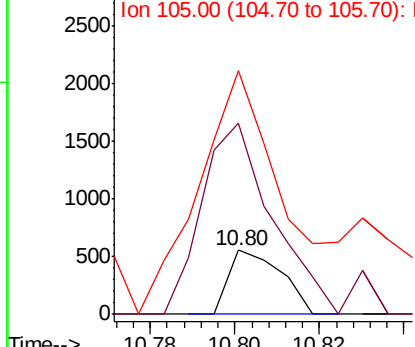
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.781 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.18 min
 Lab File: BF107654.D
 Acq: 25 Jul 2018 13:59

Instrument :
 BNA_F
 ClientSampleId :
 DW-12

Tgt Ion:198 Resp: 478
 Ion Ratio Lower Upper
 198 100
 51 297.3 37.7 77.7#
 105 379.5 36.3 76.3#

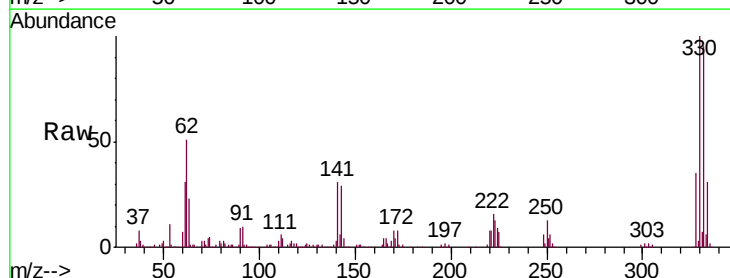


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

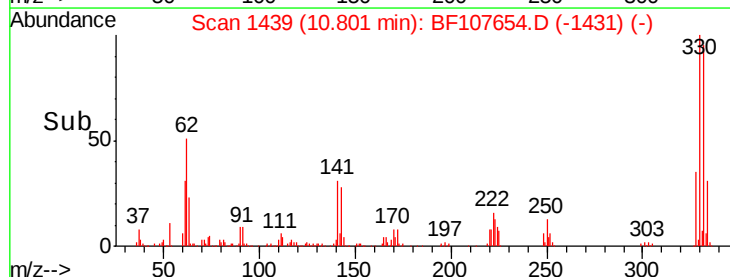
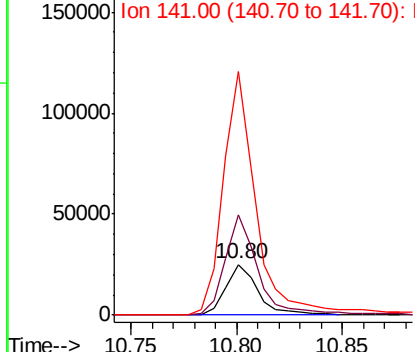


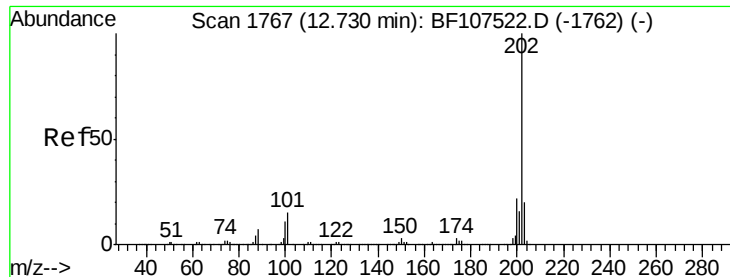
#66
 4-Bromophenyl-phenylether
 Concen: 2.793 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF107654.D
 Acq: 25 Jul 2018 13:59

Tgt Ion:248 Resp: 26622
 Ion Ratio Lower Upper
 248 100
 250 195.9 76.9 115.3#
 141 478.4 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





#74

Fluoranthene

Concen: 2.419 ng

RT: 12.72 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

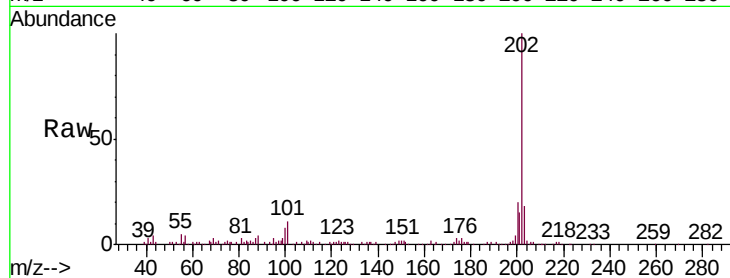
Instrument :

BNA_F

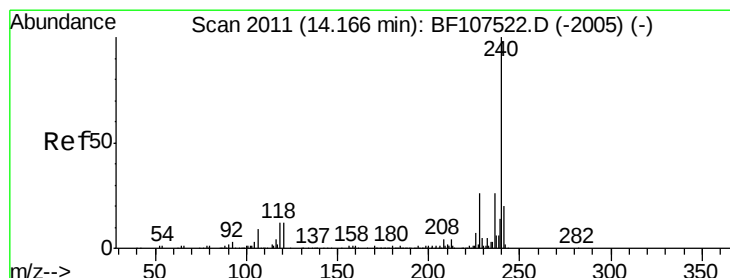
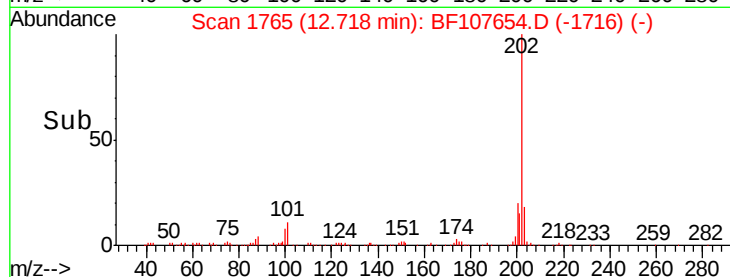
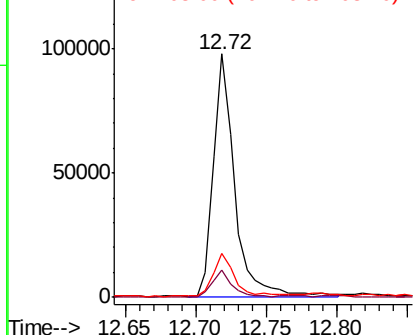
ClientSampleId :

DW-12

Tgt Ion:	202	Resp:	102426
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	18.0	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

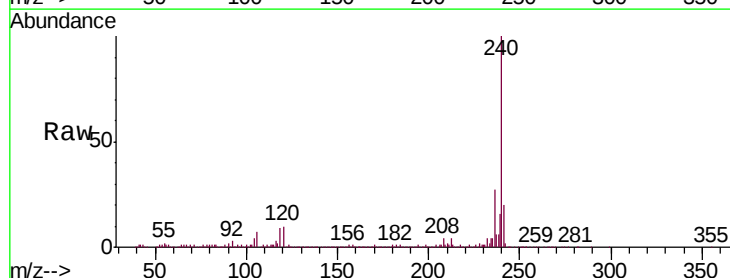
RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

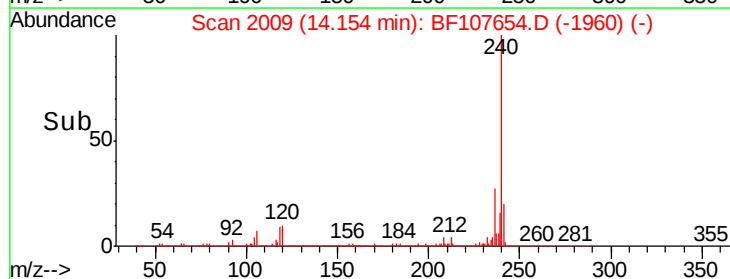
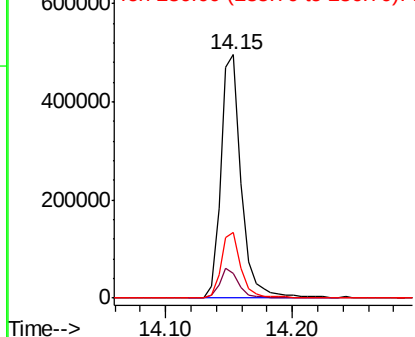
Lab File: BF107654.D

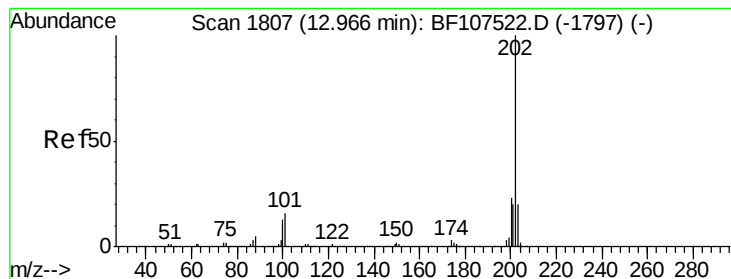
Acq: 25 Jul 2018 13:59

Tgt Ion:	240	Resp:	557158
Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	26.8	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





#77

Pyrene

Concen: 2.290 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.02 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

Instrument :

BNA_F

ClientSampled :

DW-12

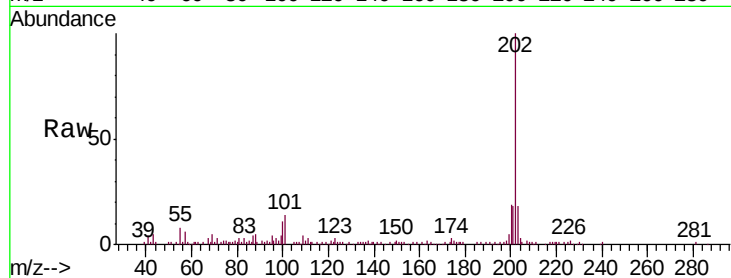
Tgt Ion:202 Resp: 87282

Ion Ratio Lower Upper

202 100

200 19.1 17.4 26.2

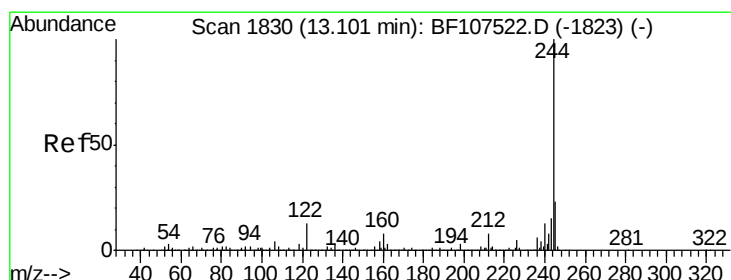
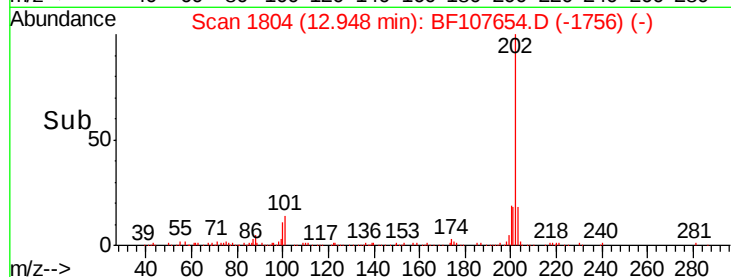
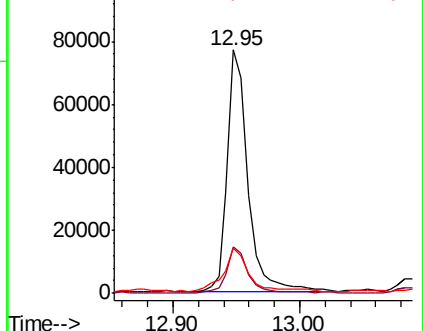
203 18.3 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 62.363 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

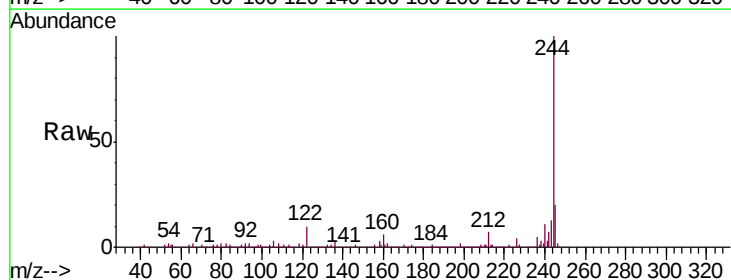
Tgt Ion:244 Resp: 1357216

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

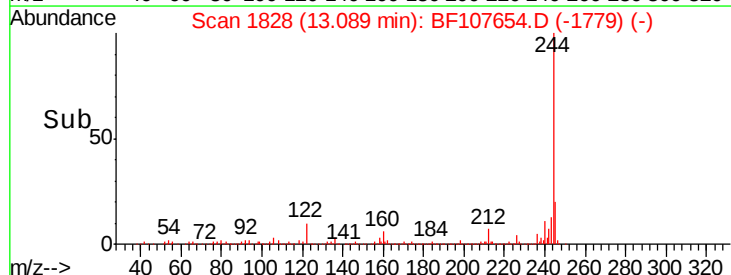
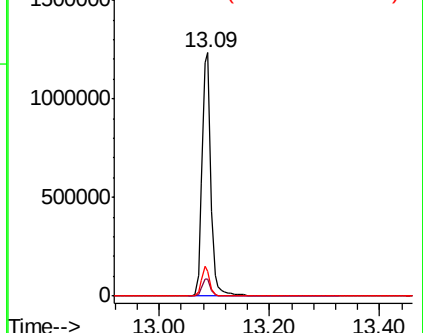
122 10.3 11.0 16.4#

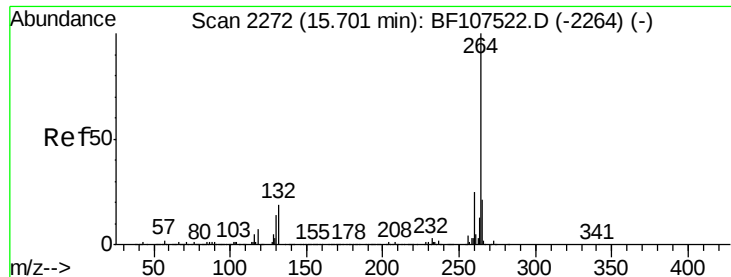


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.68 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

Instrument :

BNA_F

ClientSampleId :

DW-12

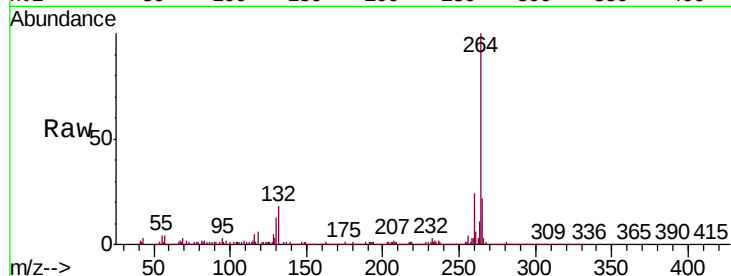
Tgt Ion:264 Resp: 530629

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

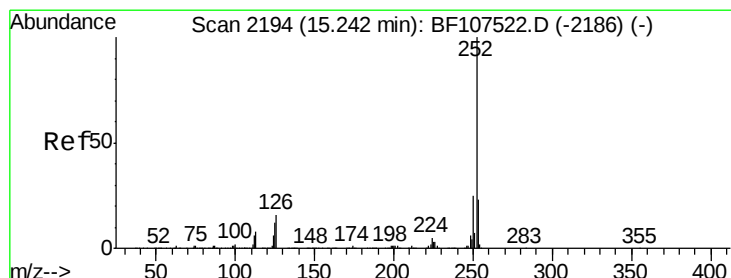
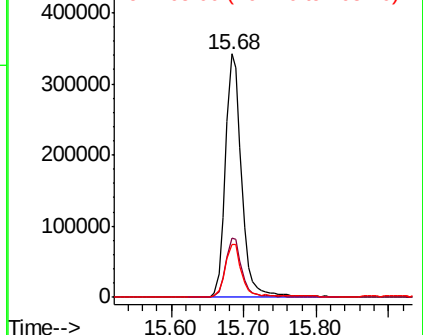
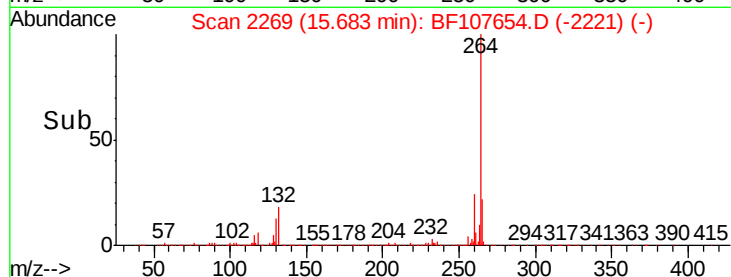
265 22.0 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 3.453 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

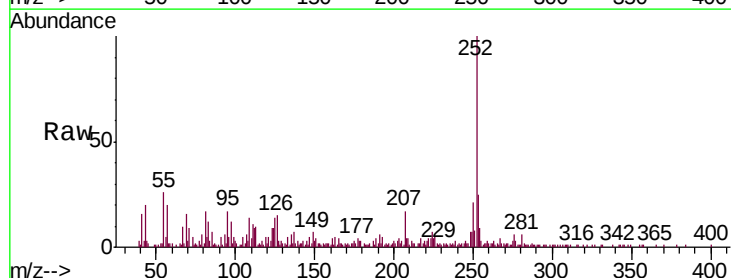
Tgt Ion:252 Resp: 100289

Ion Ratio Lower Upper

252 100

253 24.6 17.0 25.6

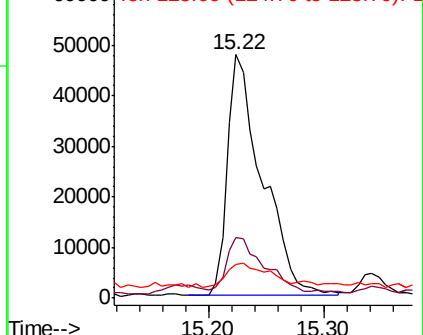
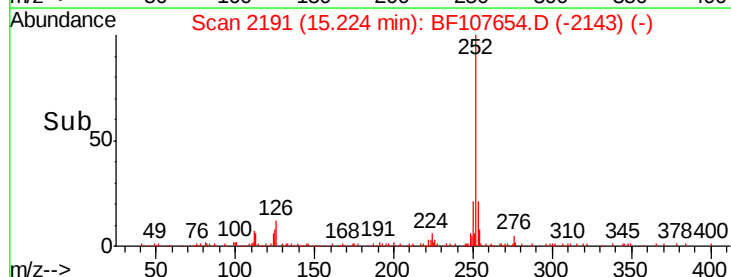
125 13.8 9.0 13.6#

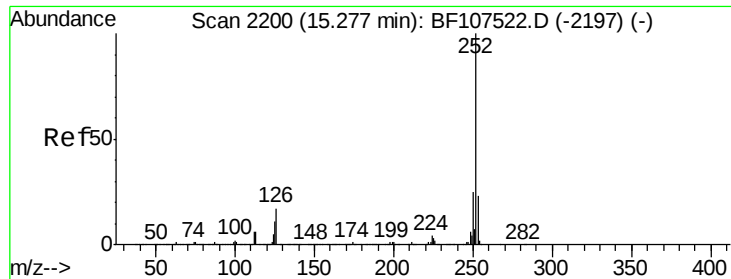


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.525 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.05 min

Lab File: BF107654.D

Acq: 25 Jul 2018 13:59

Instrument :

BNA_F

ClientSampleId :

DW-12

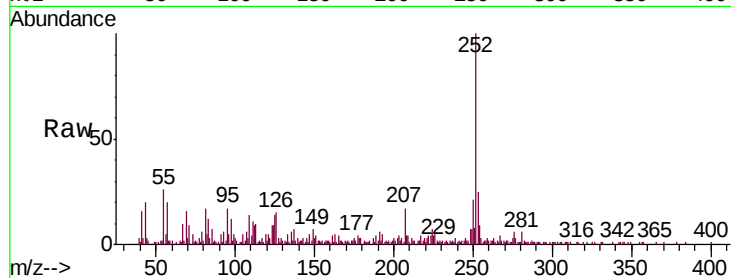
Tgt Ion: 252 Resp: 100289

Ion Ratio Lower Upper

252 100

253 24.6 17.9 26.9

125 13.8 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

