

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
 Data File : BF107657.D
 Acq On : 25 Jul 2018 15:19
 Operator : JU/SJ
 Sample : J3821-09 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-B

Quant Time: Jul 25 17:31:51 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

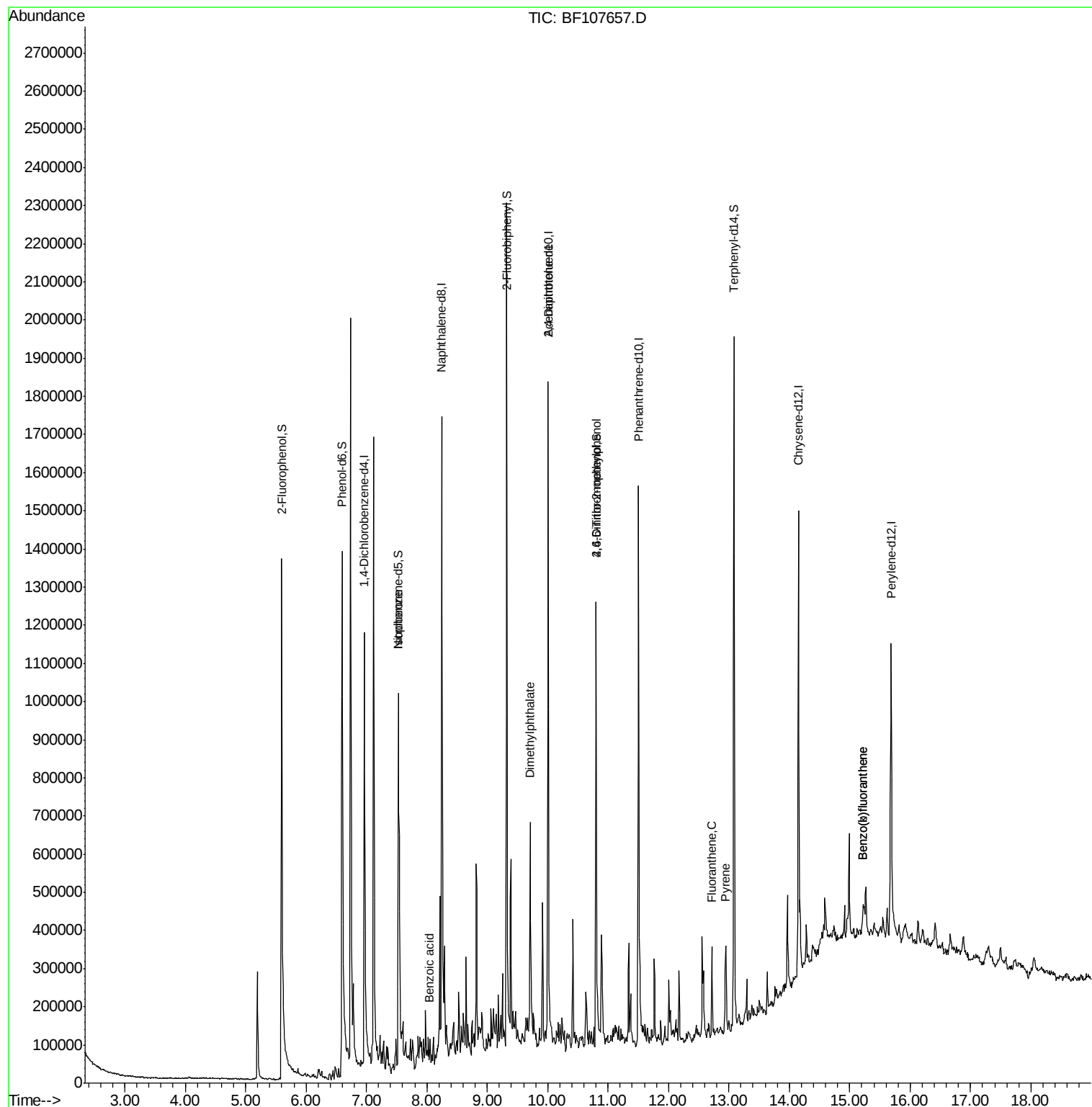
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	237538	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	917705	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	368100	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	638311	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	506162	20.00	ng	-0.01
86) Perylene-d12	15.68	264	430836	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	606889	41.08	ng	-0.01
7) Phenol-d6	6.60	99	762565	42.99	ng	-0.02
23) Nitrobenzene-d5	7.53	82	470399	34.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	182237	43.54	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	823487	30.77	ng	-0.02
78) Terphenyl-d14	13.08	244	662043	33.49	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.74	77	14376	Below Cal		Qvalue 82
25) Isophorone	7.53	82	470399	16.201 ng	#	65
32) Benzoic acid	8.04	122	118	7.911 ng	#	1
49) Dimethylphthalate	9.71	163	191648	6.908 ng	#	99
56) 2,4-Dinitrotoluene	10.01	165	47169	7.095 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.80	198	402	8.788 ng	#	1
73) Di-n-butylphthalate	12.05	149	2329	Below Cal	#	81
74) Fluoranthene	12.72	202	104600	3.134 ng		97
77) Pyrene	12.95	202	119786	3.460 ng		97
81) 3,3'-Dichlorobenzidine	14.07	252	873	Below Cal	#	1
87) Benzo(b)fluoranthene	15.22	252	66639	2.826 ng	#	84
88) Benzo(k)fluoranthene	15.22	252	66639	2.885 ng	#	87

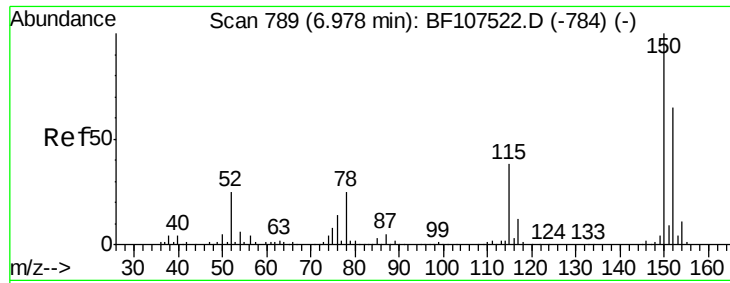
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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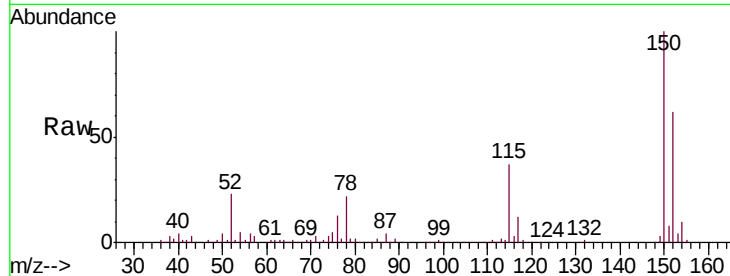


#1

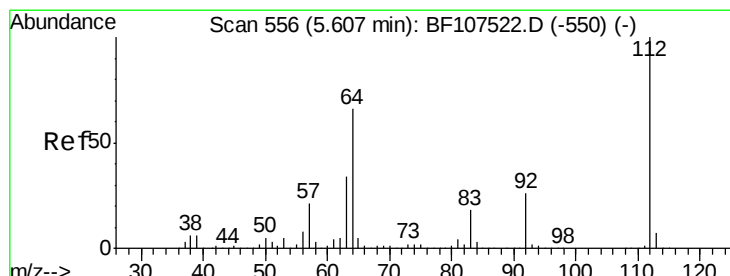
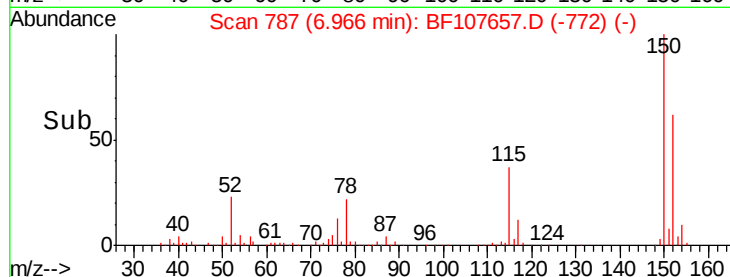
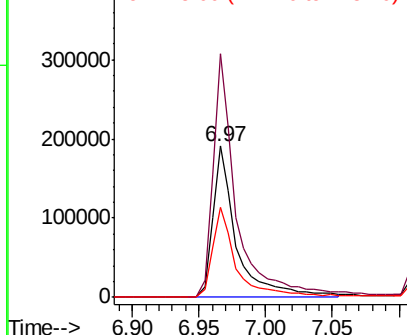
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107657.D
Acq: 25 Jul 2018 15:19

Instrument :
BNA_F
ClientSampleId :
HR-06-072418-B

Tgt Ion:152 Resp: 237538
Ion Ratio Lower Upper
152 100
150 160.9 124.6 186.8
115 59.4 50.1 75.1



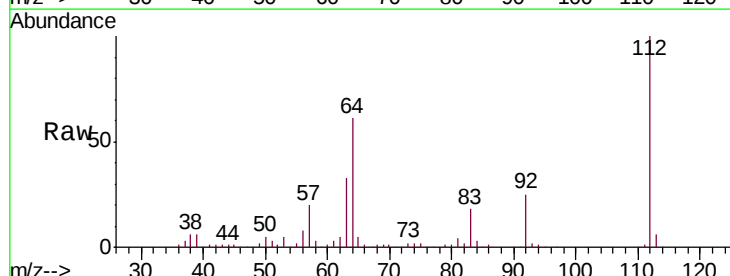
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



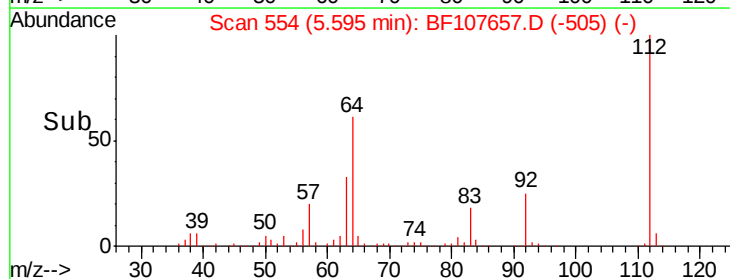
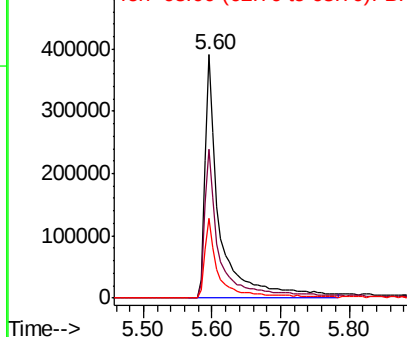
#5

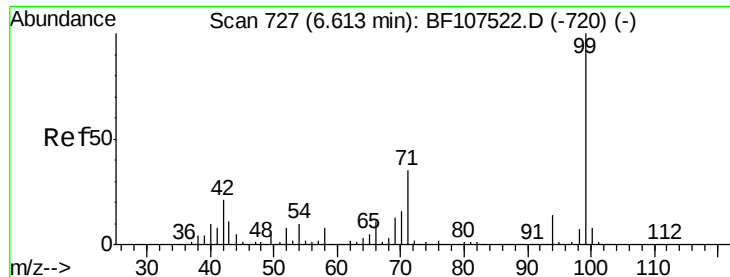
2-Fluorophenol
Concen: 41.078 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107657.D
Acq: 25 Jul 2018 15:19

Tgt Ion:112 Resp: 606889
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 32.8 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: 42.986 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107657.D

Acq: 25 Jul 2018 15:19

Instrument :

BNA_F

ClientSampleId :

HR-06-072418-B

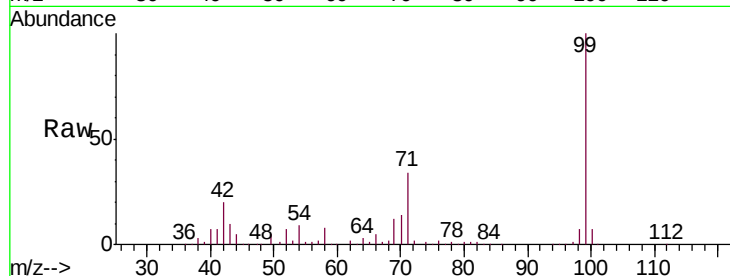
Tgt Ion: 99 Resp: 762565

Ion Ratio Lower Upper

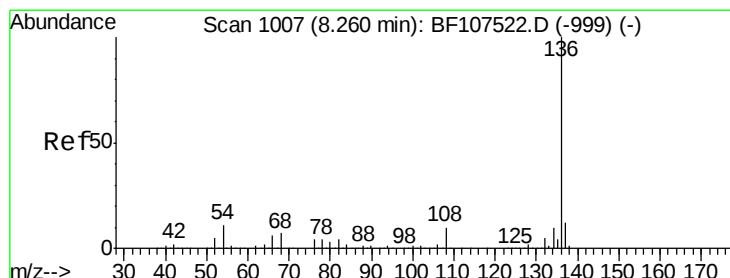
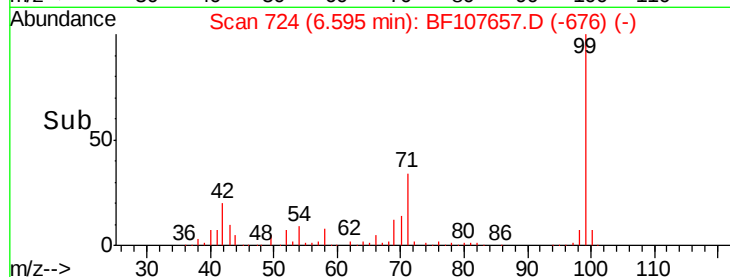
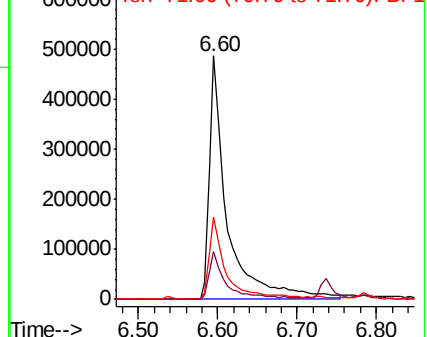
99 100

42 19.6 14.5 21.7

71 33.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107657.D

Acq: 25 Jul 2018 15:19

Tgt Ion: 136 Resp: 917705

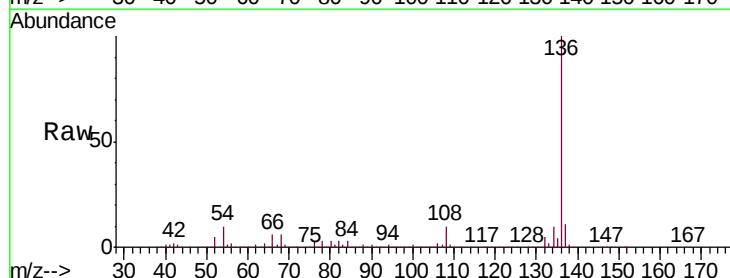
Ion Ratio Lower Upper

136 100

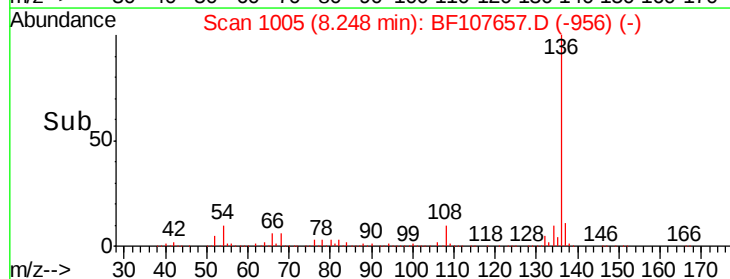
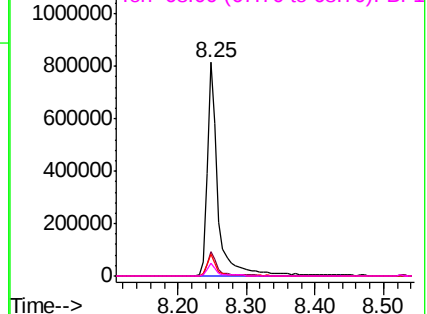
137 11.2 8.9 13.3

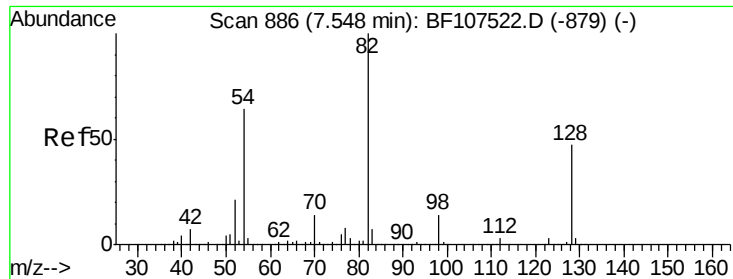
54 10.0 6.6 9.8#

68 5.8 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: 34.593 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF107657.D

Acq: 25 Jul 2018 15:19

Instrument :

BNA_F

ClientSampleId :

HR-06-072418-B

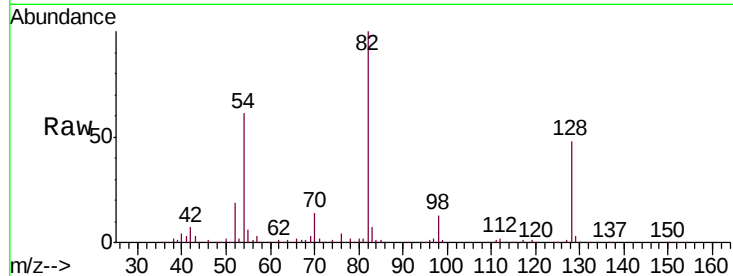
Tgt Ion: 82 Resp: 470399

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

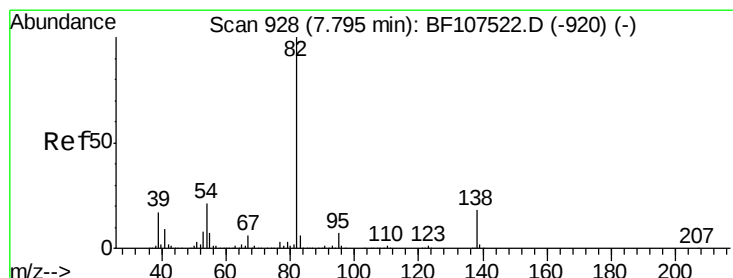
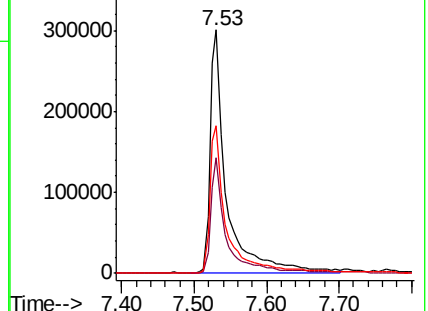
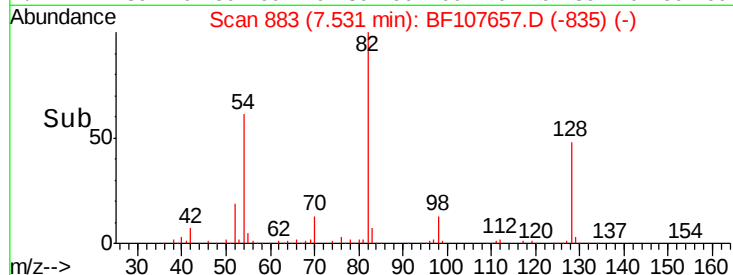
54 60.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 16.201 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107657.D

Acq: 25 Jul 2018 15:19

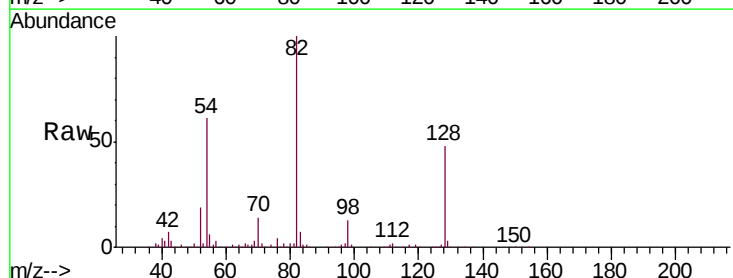
Tgt Ion: 82 Resp: 470399

Ion Ratio Lower Upper

82 100

95 0.4 5.2 7.8#

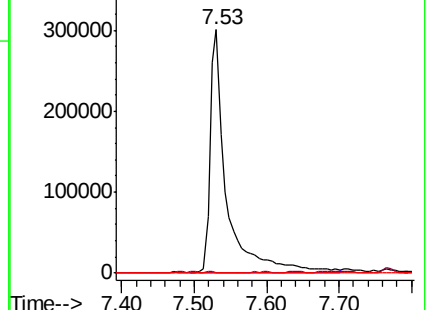
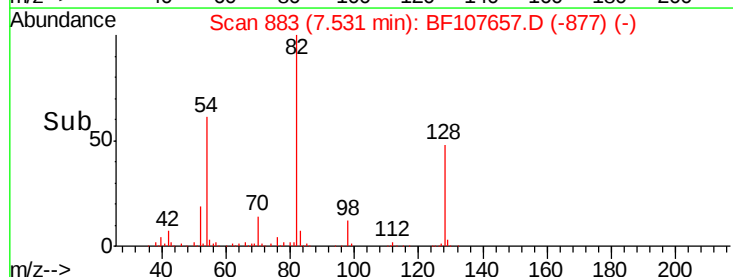
138 0.0 14.9 22.3#

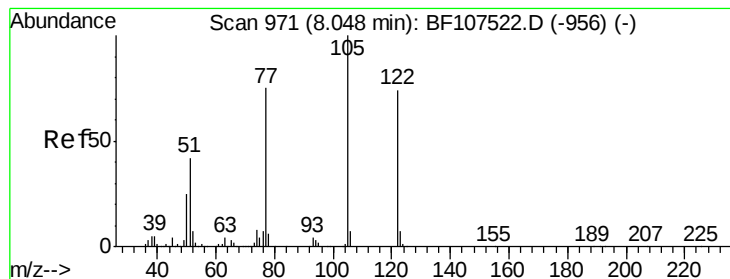


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 8.04 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF107657.D

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Instrument :

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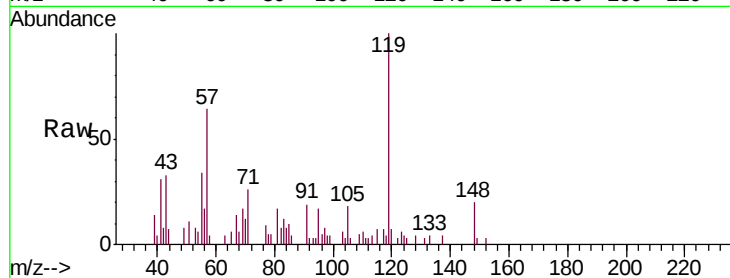
Tgt Ion:122 Resp: 118

Ion Ratio Lower Upper

122 100

105 609.6 101.1 141.1#

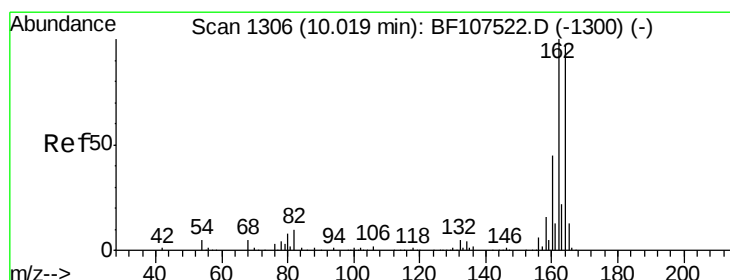
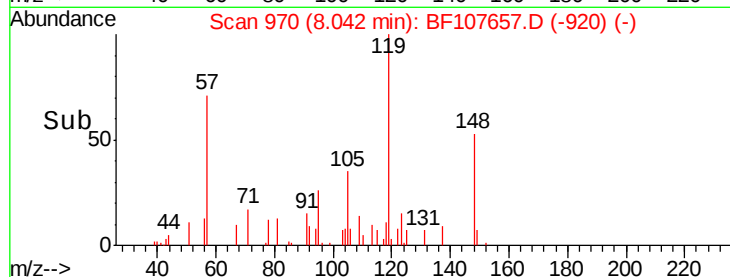
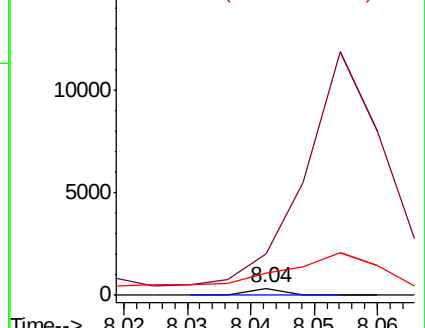
77 320.1 70.7 110.7#



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# 1304

Delta R.T. -0.01 min

Lab File: BF107657.D

Acq: 25 Jul 2018 15:19

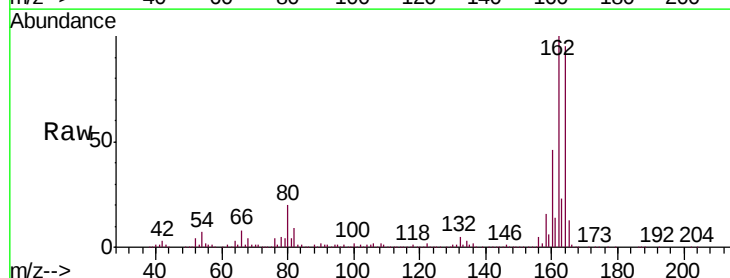
Tgt Ion:164 Resp: 368100

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

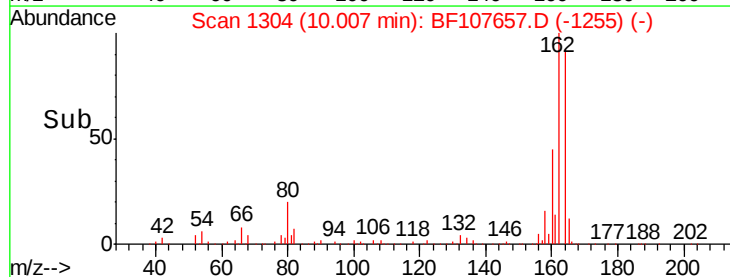
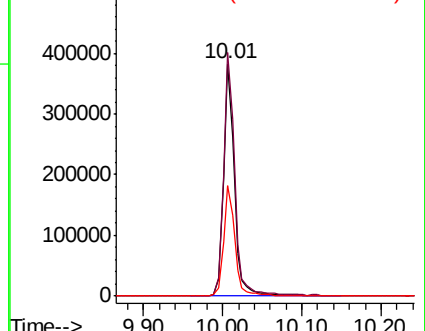
160 47.8 38.3 57.5

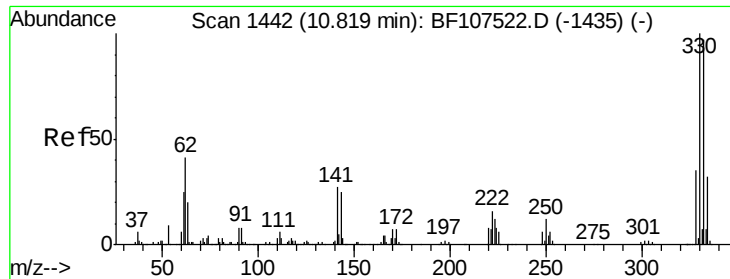


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

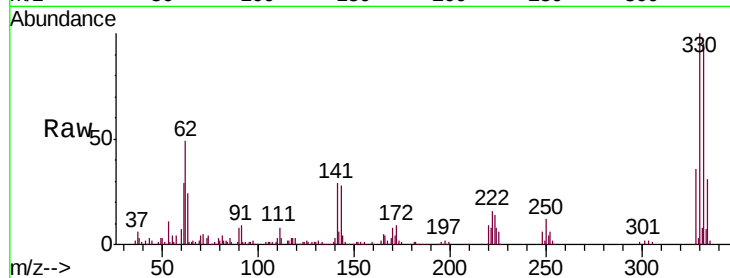




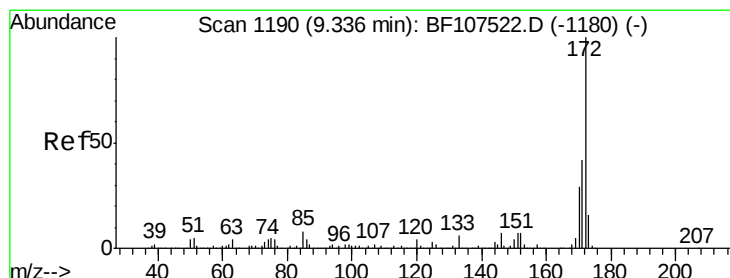
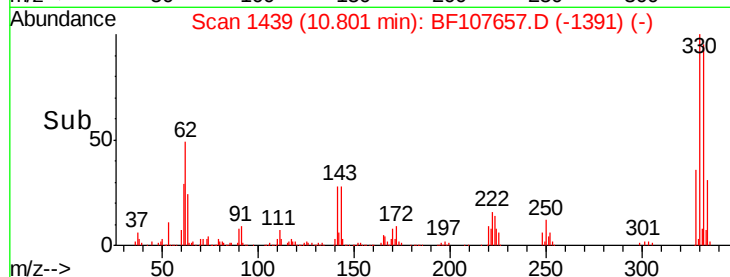
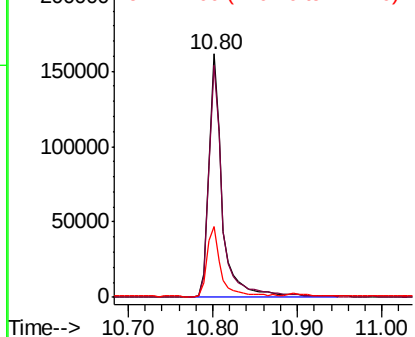
#41
 2,4,6-Tribromophenol
 Concen: 43.536 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107657.D
 Acq: 25 Jul 2018 15:19

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-B

Tgt Ion: 330 Resp: 182237
 Ion Ratio Lower Upper
 330 100
 332 98.6 77.0 115.6
 141 29.2 29.9 44.9#

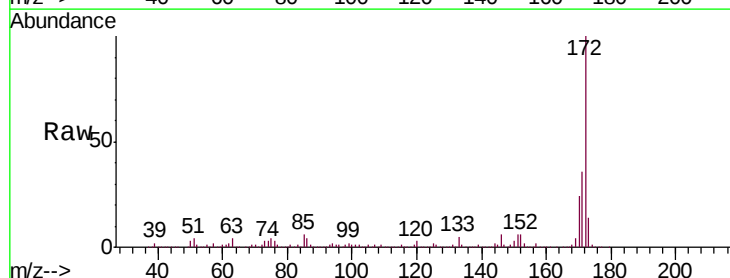


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

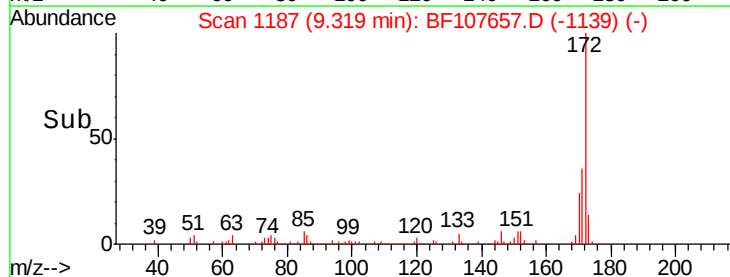
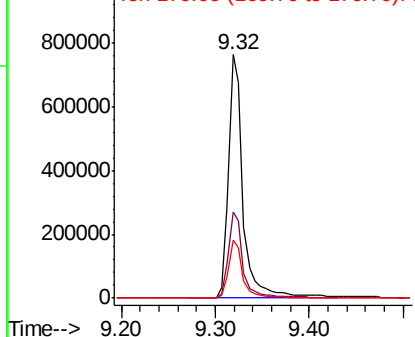


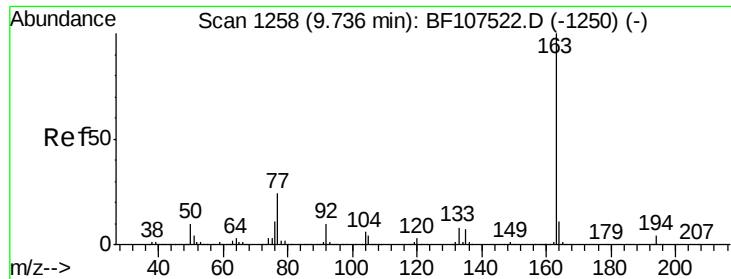
#44
 2-Fluorobiphenyl
 Concen: 30.774 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107657.D
 Acq: 25 Jul 2018 15:19

Tgt Ion: 172 Resp: 823487
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 24.0 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

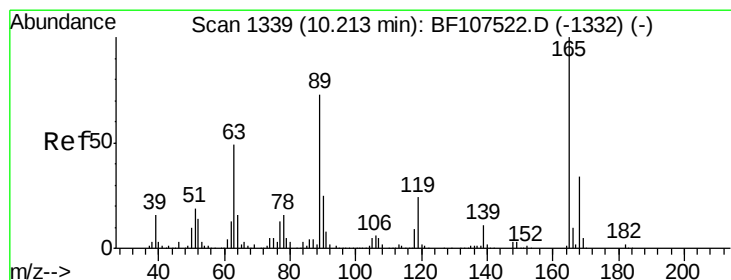
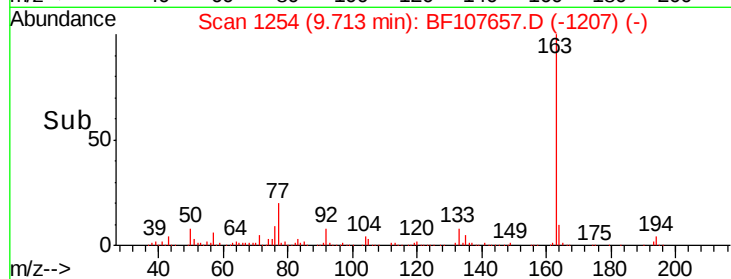
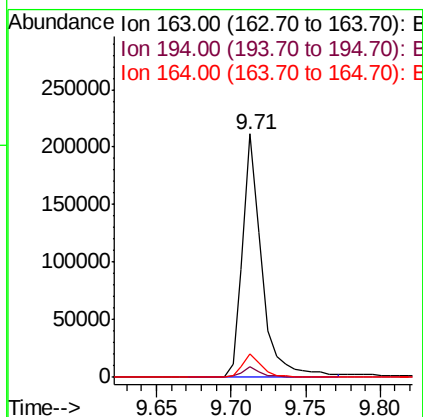
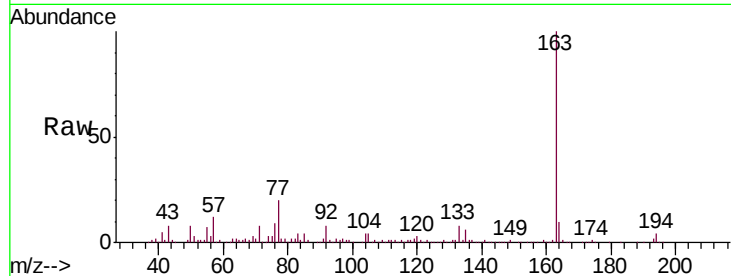




#49
Dimethylphthalate
Concen: 6.908 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107657.D
Acq: 25 Jul 2018 15:19

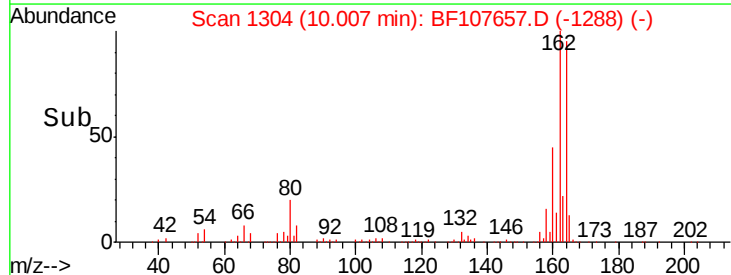
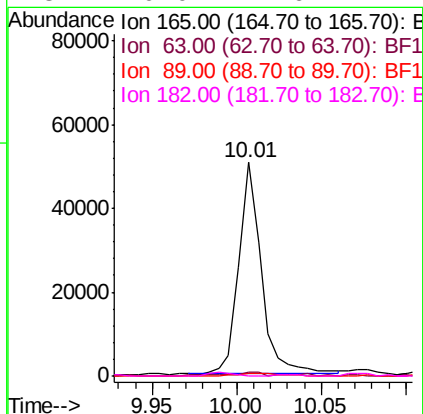
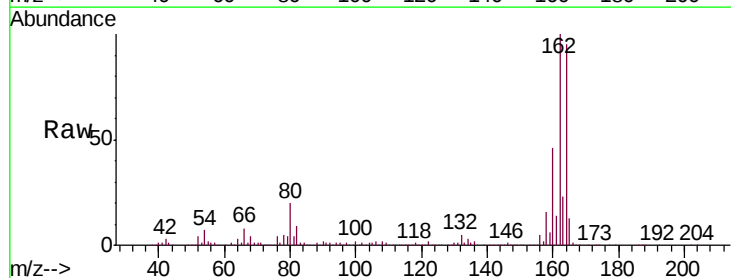
Instrument :
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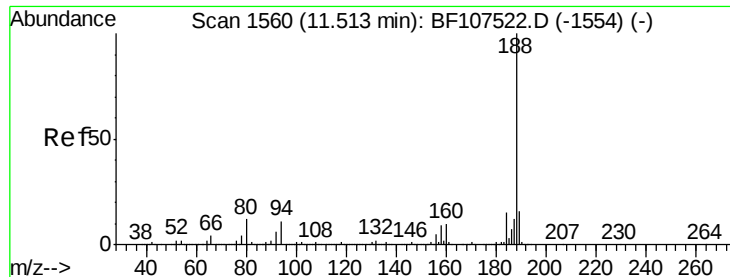
Tgt Ion:163 Resp: 191648
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 9.8 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 7.095 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF107657.D
Acq: 25 Jul 2018 15:19

Tgt Ion:165 Resp: 47169
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.1 57.8 86.6#
182 0.0 1.6 2.4#

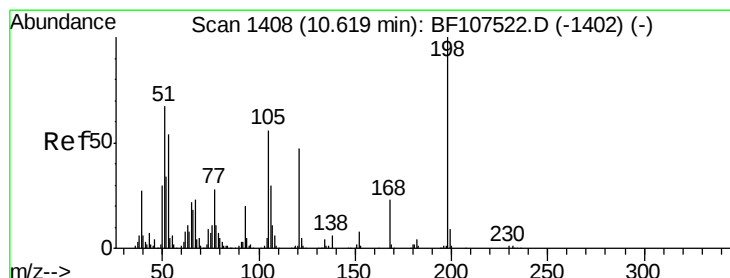
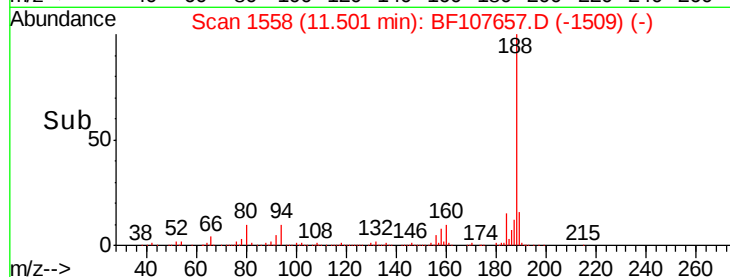
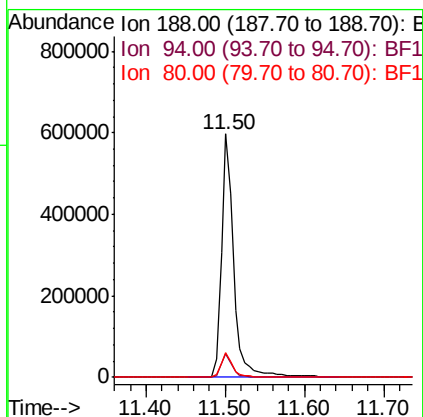
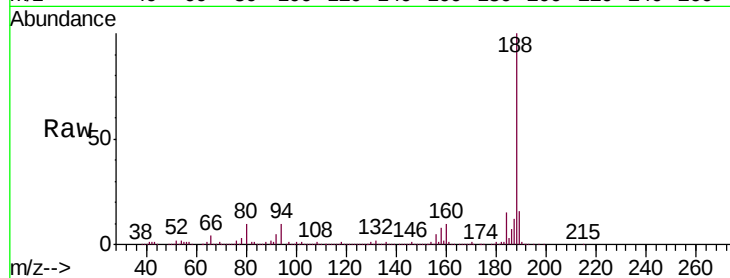




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107657.D
Acq: 25 Jul 2018 15:19

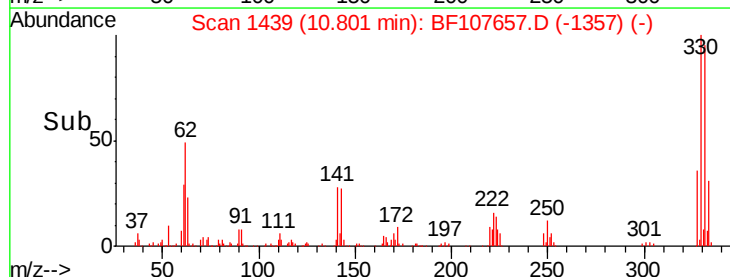
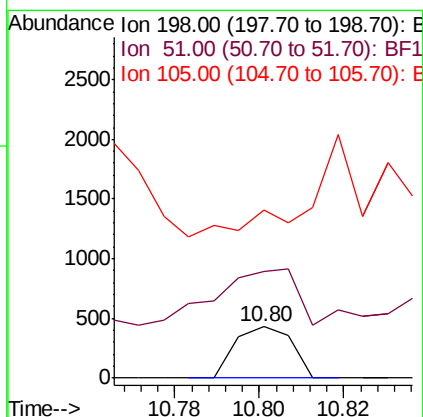
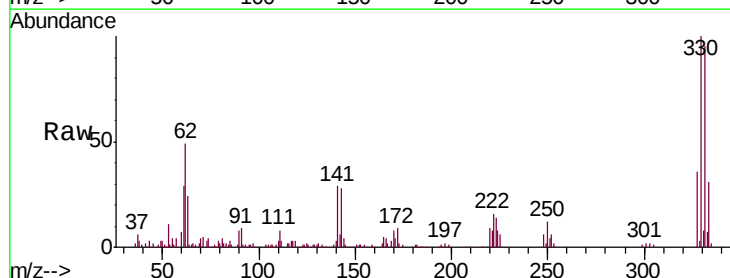
Instrument :
BNA_F
ClientSampleId :
HR-06-072418-B

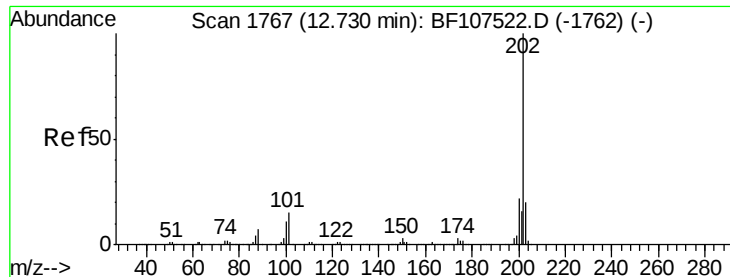
Tgt Ion:188 Resp: 638311
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.788 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.18 min
Lab File: BF107657.D
Acq: 25 Jul 2018 15:19

Tgt Ion:198 Resp: 402
Ion Ratio Lower Upper
198 100
51 206.7 37.7 77.7#
105 327.8 36.3 76.3#





#74

Fluoranthene

Concen: 3.134 ng

RT: 12.72 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF107657.D

Acq: 25 Jul 2018 15:19

Instrument :

BNA_F

ClientSampleId :

HR-06-072418-B

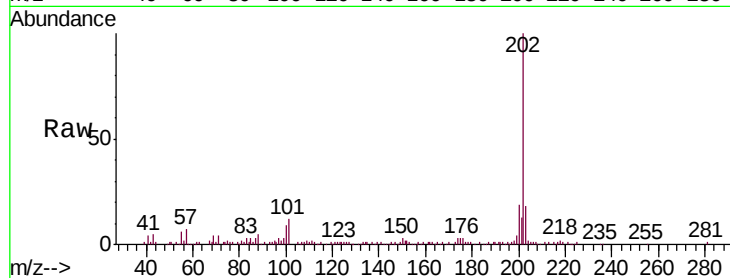
Tgt Ion:202 Resp: 104600

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

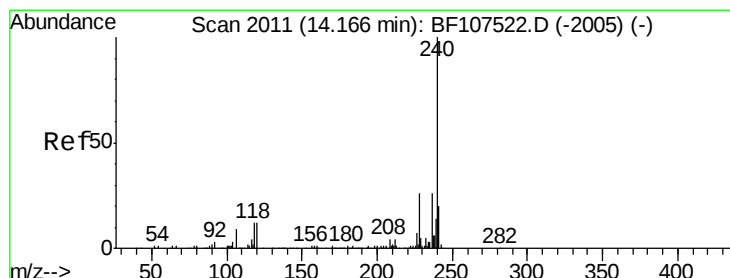
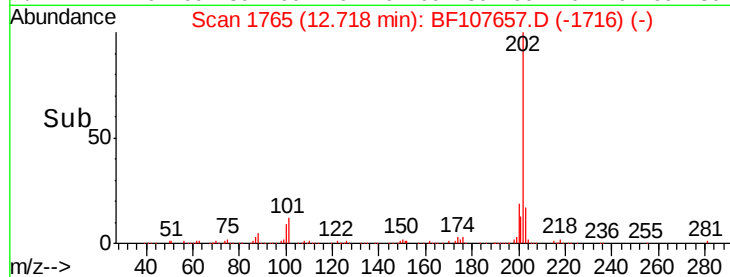
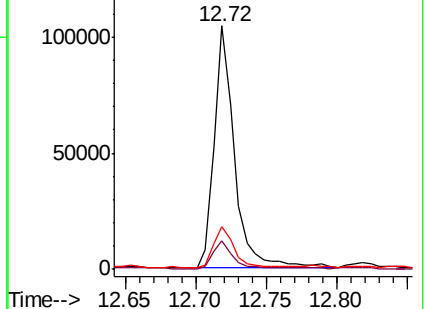
203 17.6 0.0 38.1



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: BF107657.D

Acq: 25 Jul 2018 15:19

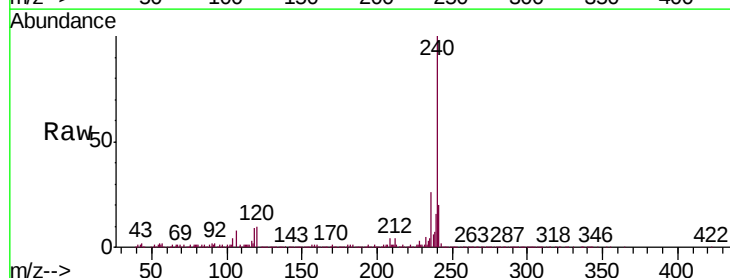
Tgt Ion:240 Resp: 506162

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

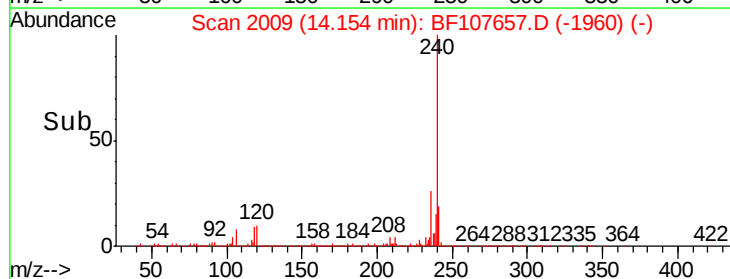
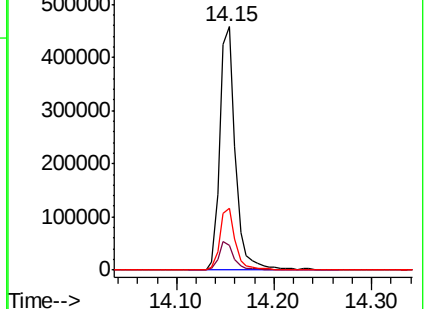
236 25.6 20.7 31.1

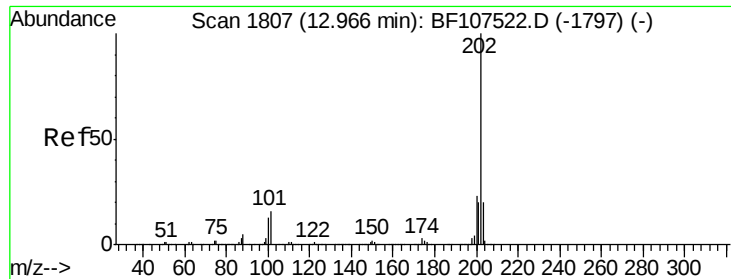


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.460 ng

RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF107657.D

Acq: 25 Jul 2018 15:19

Instrument :

BNA_F

ClientSampleId :

HR-06-072418-B

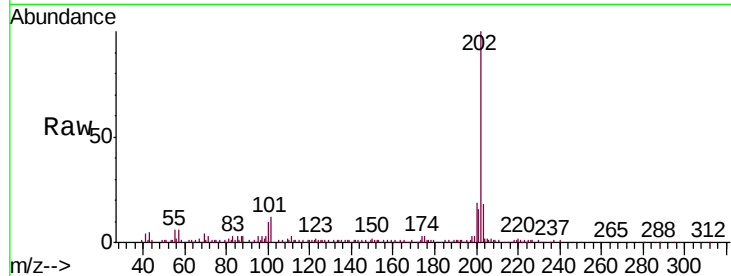
Tgt Ion: 202 Resp: 119786

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

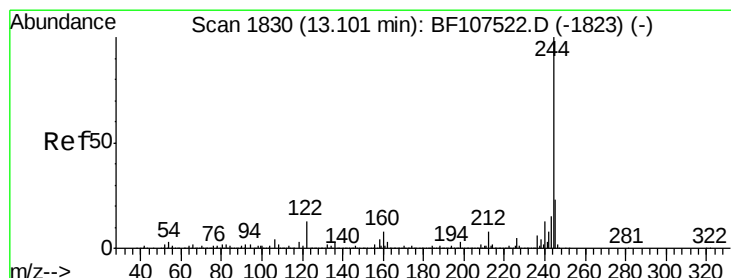
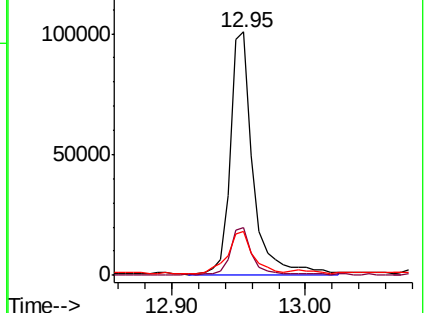
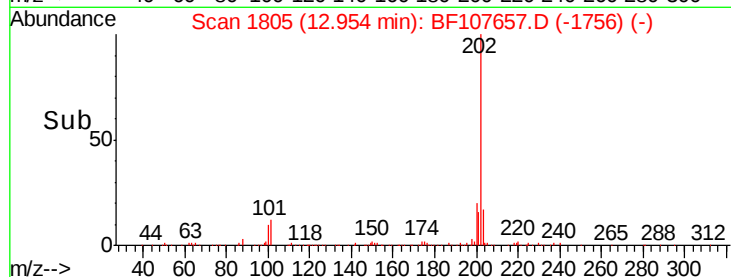
203 18.0 14.3 21.5



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: 33.485 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107657.D

Acq: 25 Jul 2018 15:19

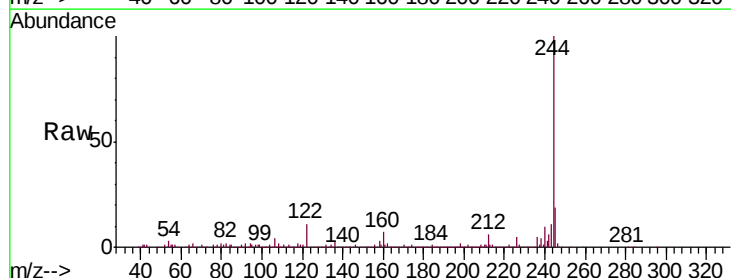
Tgt Ion: 244 Resp: 662043

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

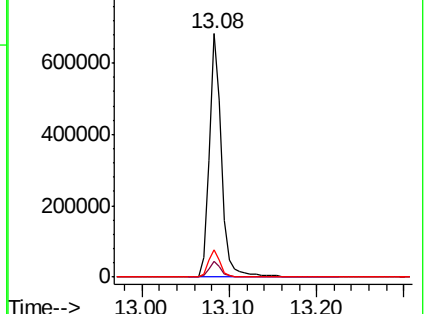
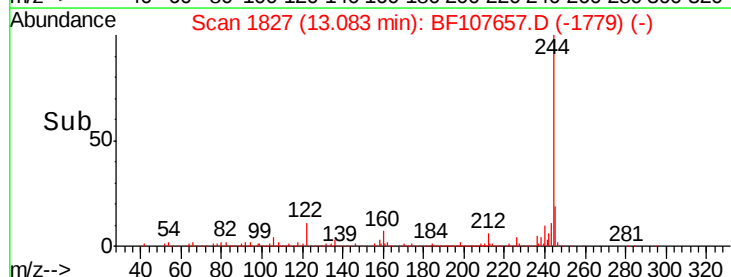
122 11.3 11.0 16.4

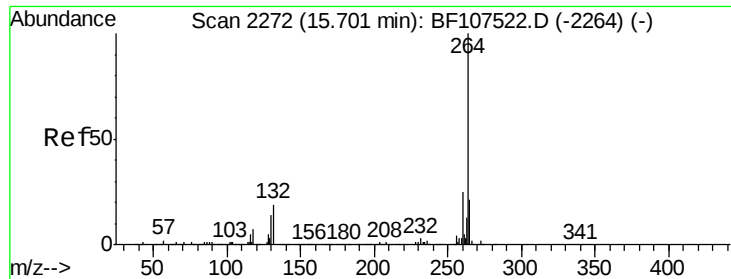


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



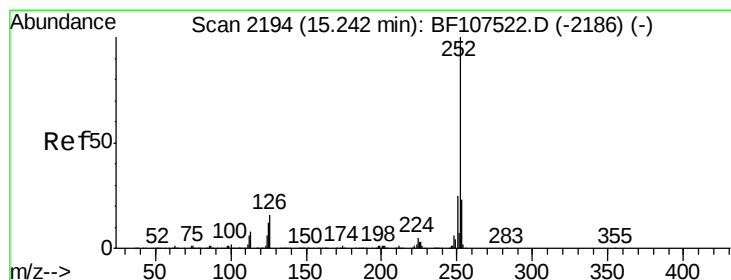
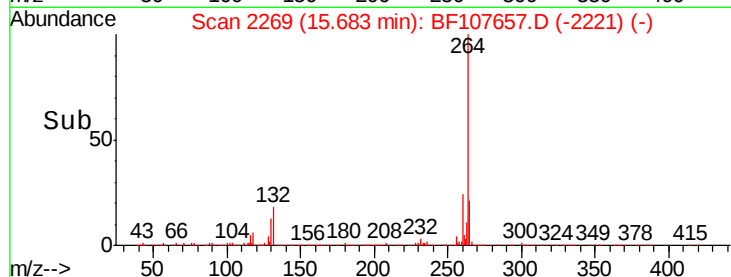
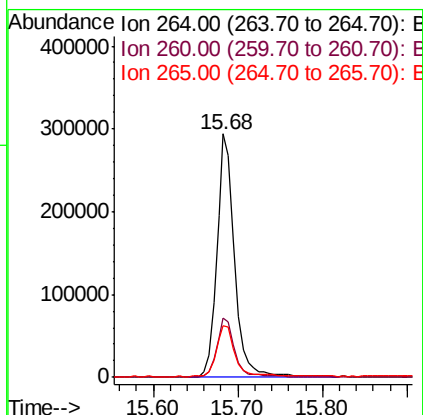
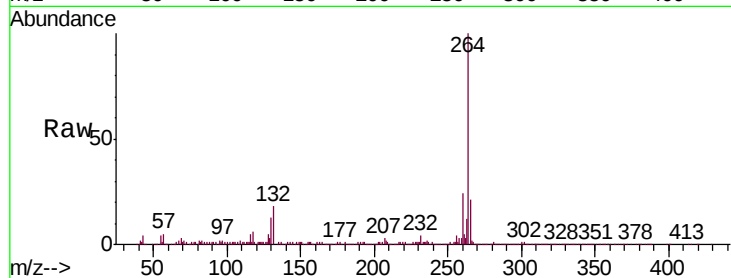


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107657.D
Acq: 25 Jul 2018 15:19

Instrument :
BNA_F
ClientSampleId :
HR-06-072418-B

Tgt Ion: 264 Resp: 430836

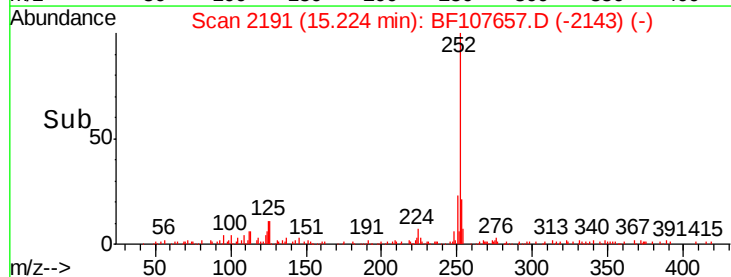
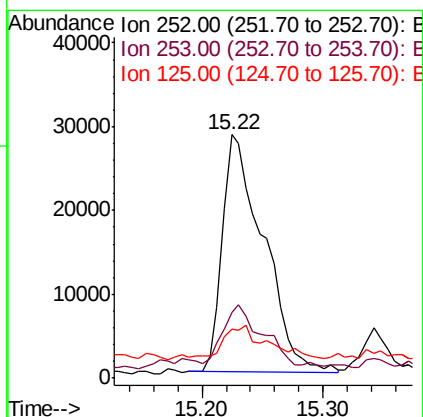
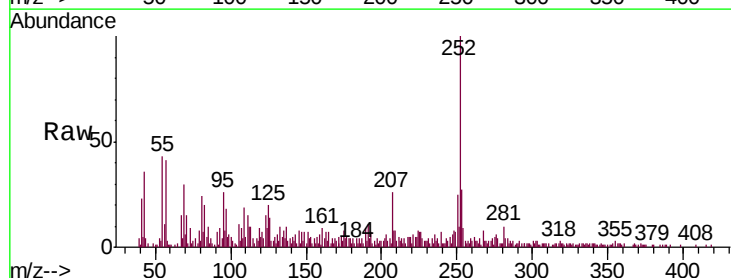
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.3	17.5	26.3

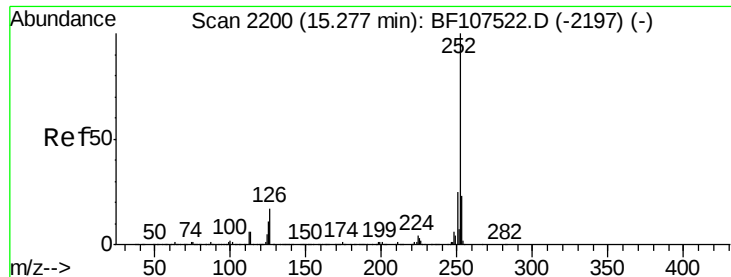


#87
Benzo(b)fluoranthene
Concen: 2.826 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107657.D
Acq: 25 Jul 2018 15:19

Tgt Ion: 252 Resp: 66639

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.0	25.6#
125	20.2	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.885 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.05 min

Lab File: BF107657.D

Acq: 25 Jul 2018 15:19

Instrument :

BNA_F

ClientSampleId :

HR-06-072418-B

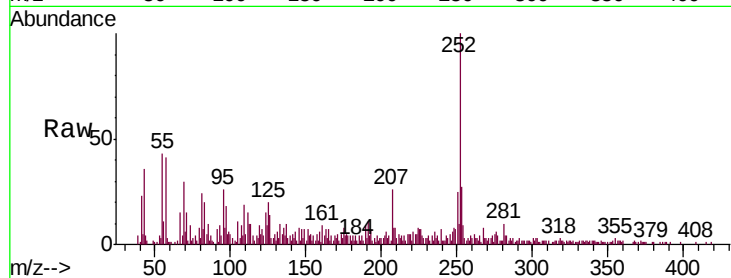
Tgt Ion:252 Resp: 66639

Ion Ratio Lower Upper

252 100

253 26.9 17.9 26.9#

125 20.2 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

