

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107696.D
 Acq On : 26 Jul 2018 9:57
 Operator : JU/SJ
 Sample : J4138-01DL 20X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTEDL

Quant Time: Jul 26 13:13:04 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

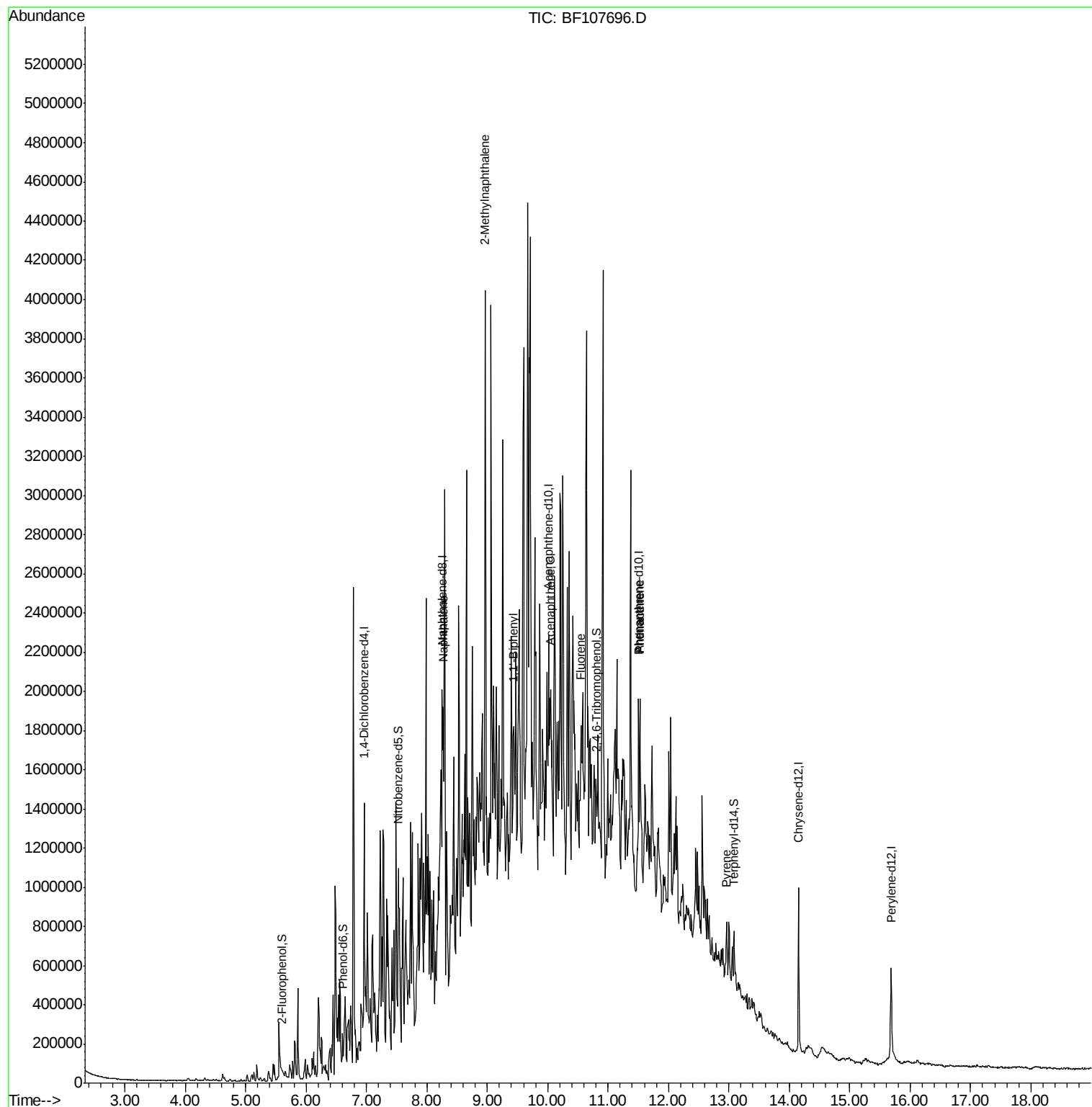
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	146752	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	555552	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	223663	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	393133	20.00	ng	0.00
75) Chrysene-d12	14.15	240	345096	20.00	ng	-0.01
86) Perylene-d12	15.68	264	275885	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	46560	5.10	ng	0.00
7) Phenol-d6	6.60	99	73393	6.70	ng	-0.01
23) Nitrobenzene-d5	7.53	82	25090	3.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	16109	6.33	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	98761	1.94	ng	-0.01
78) Terphenyl-d14	13.08	244	94092	6.98	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.27	128	441084	18.055	ng	98
37) 2-Methylnaphthalene	8.97	142	1154600	68.203	ng	97
45) 1,1'-Biphenyl	9.43	154	79278	4.069	ng	96
51) Acenaphthene	10.04	154	68721	4.903	ng	# 77
57) Fluorene	10.56	166	108019	7.337	ng	# 92
70) Phenanthrene	11.53	178	378996	19.783	ng	97
71) Anthracene	11.53	178	372562	19.315	ng	97
77) Pyrene	12.95	202	72167	3.057	ng	# 89

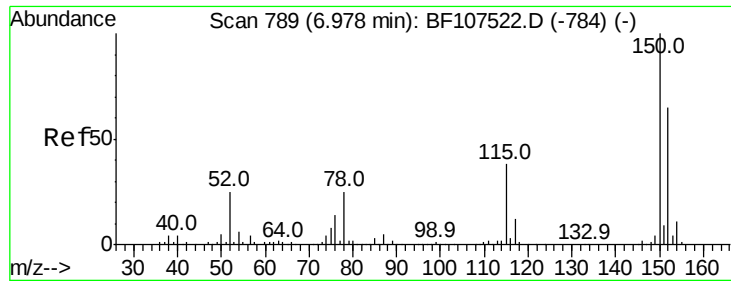
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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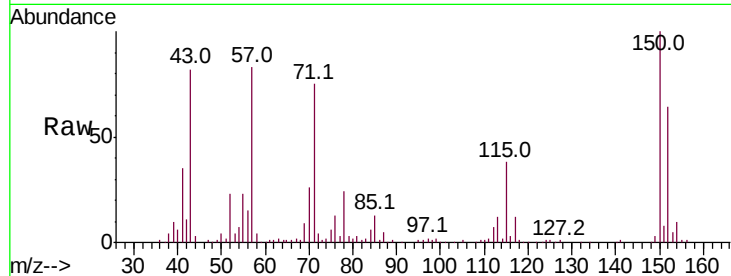


#1

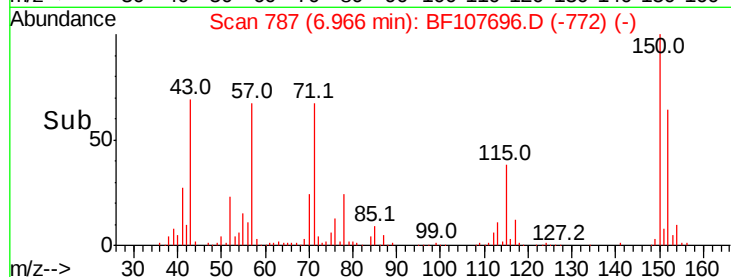
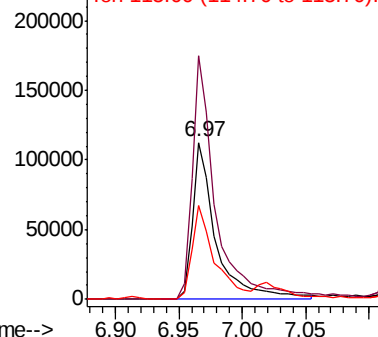
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF107696.D
 Acq: 26 Jul 2018 9:57

Instrument :
 BNA_F
 ClientSampleId :
 WASTEDL

Tot Ion:152 Resp: 146752
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.6 186.8
 115 59.5 50.1 75.1



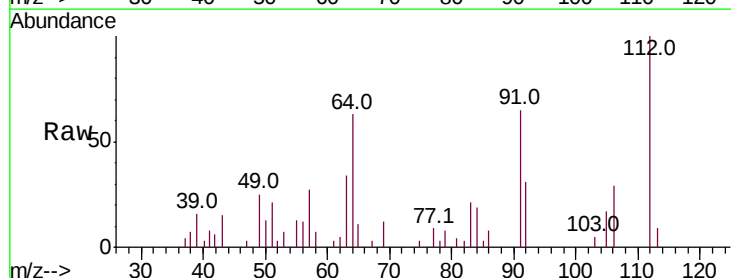
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



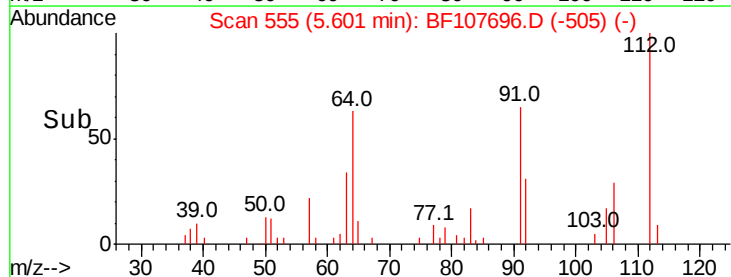
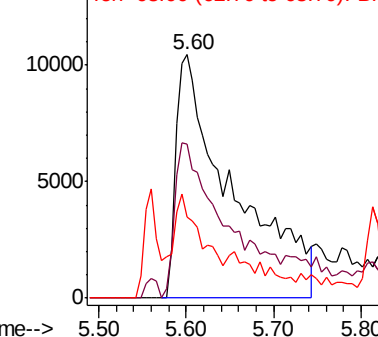
#5

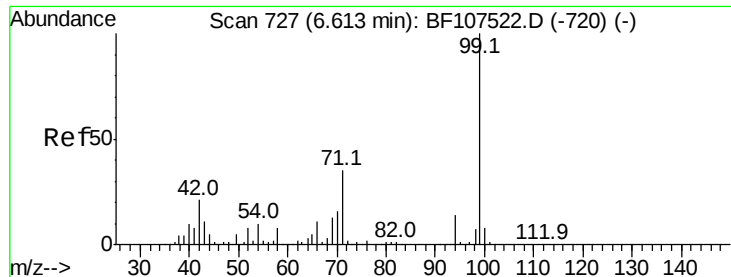
2-Fluorophenol
 Concen: 5.101 ng
 RT: 5.60 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF107696.D
 Acq: 26 Jul 2018 9:57

Tgt Ion:112 Resp: 46560
 Ion Ratio Lower Upper
 112 100
 64 63.3 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: 6.697 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107696.D

Acq: 26 Jul 2018 9:57

Instrument :

BNA_F

ClientSampleId :

WASTEDL

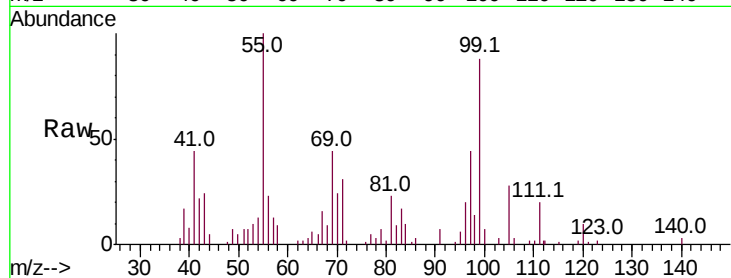
Tot Ion: 99 Resp: 73393

Ion Ratio Lower Upper

99 100

42 25.6 14.5 21.7#

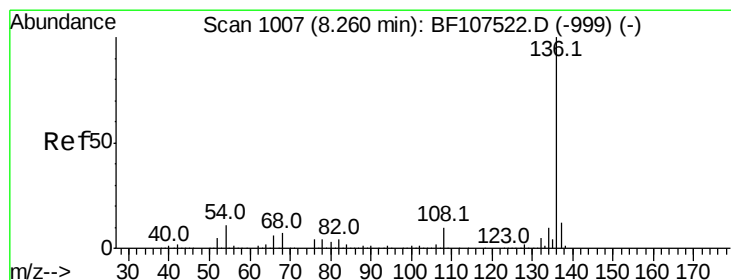
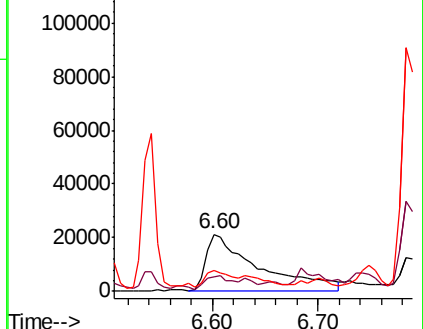
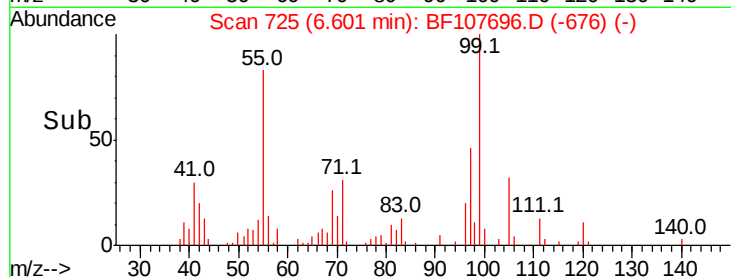
71 35.5 25.4 38.0



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: BF107696.D

Acq: 26 Jul 2018 9:57

Tgt Ion: 136 Resp: 555552

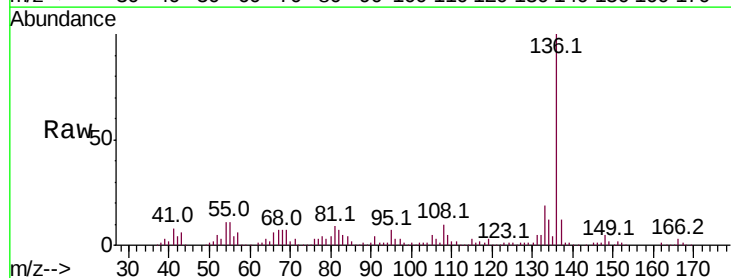
Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 11.2 6.6 9.8#

68 7.1 5.0 7.4

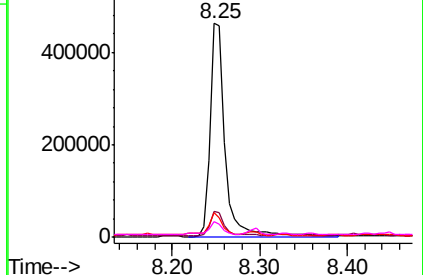
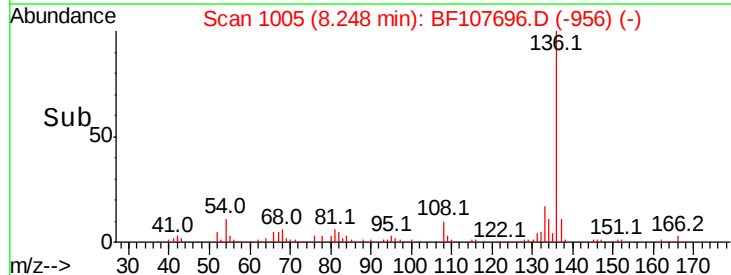


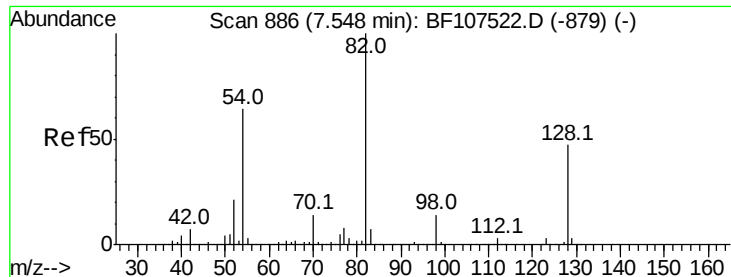
Abundance Ion 136.00 (135.70 to 136.70): E

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

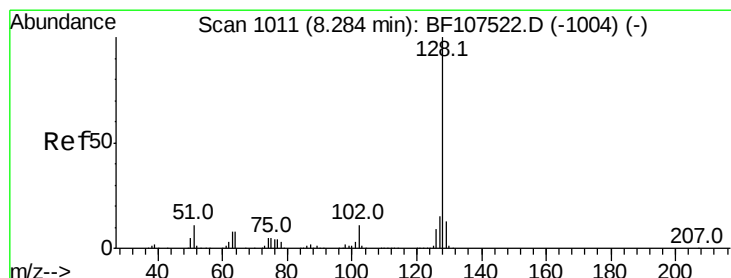
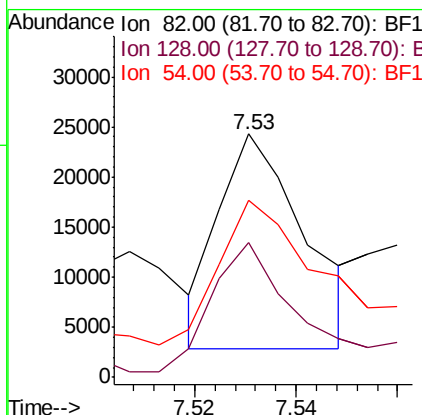
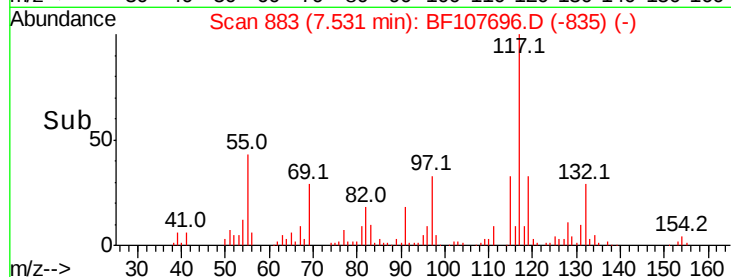
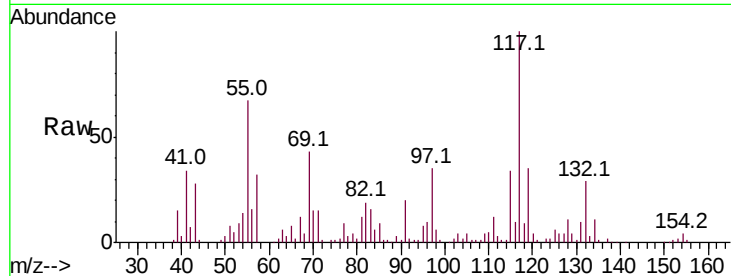




#23
Nitrobenzene-d5
Concen: 3.048 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107696.D
Acq: 26 Jul 2018 9:57

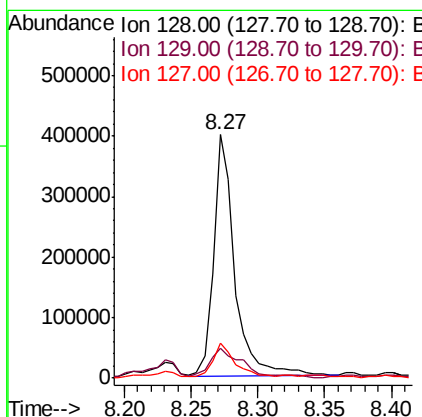
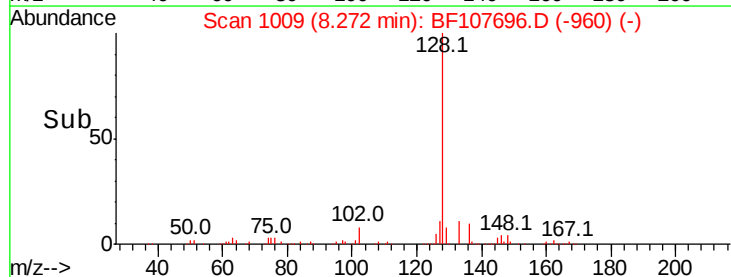
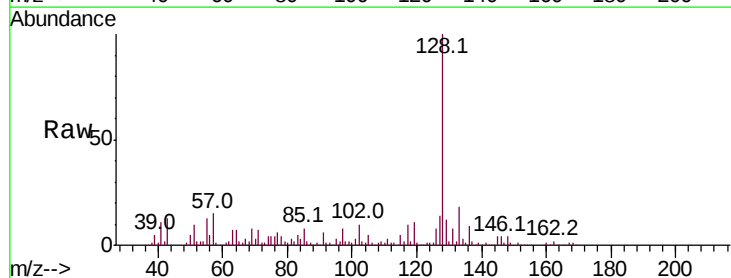
Instrument :
BNA_F
ClientSampleId :
WASTEDL

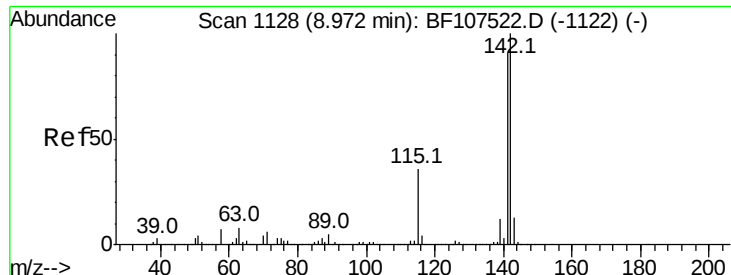
Tot Ion: 82 Resp: 25090
Ion Ratio Lower Upper
82 100
128 55.4 36.1 54.1#
54 72.6 41.4 62.2#



#31
Naphthalene
Concen: 18.055 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF107696.D
Acq: 26 Jul 2018 9:57

Tgt Ion: 128 Resp: 441084
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 14.2 10.9 16.3

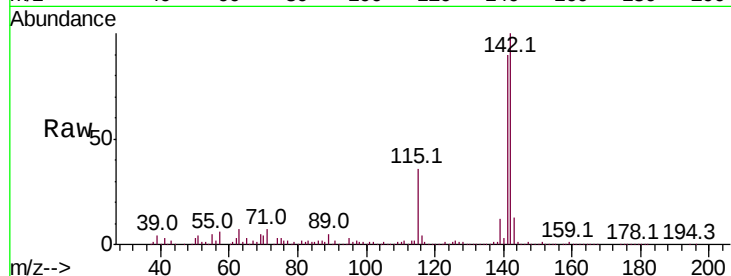




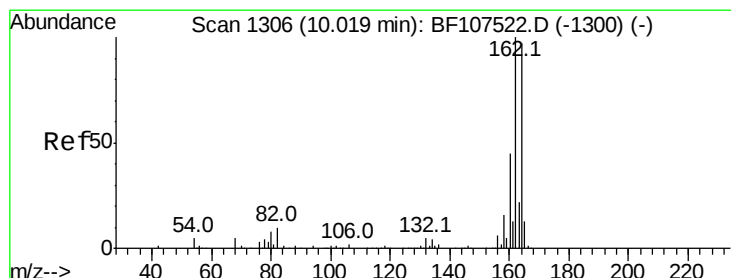
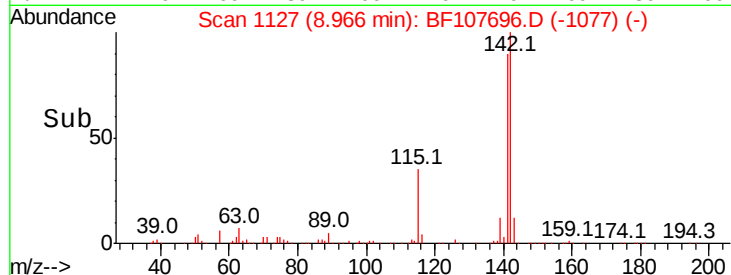
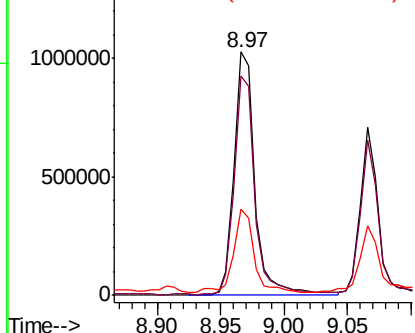
#37
 2-Methylnaphthalene
 Concen: 68.203 ng
 RT: 8.97 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF107696.D
 Acq: 26 Jul 2018 9:57

Instrument :
 BNA_F
 ClientSampleId :
 WASTEDL

Tot Ion:142 Resp: 1154600
 Ion Ratio Lower Upper
 142 100
 141 90.0 70.8 106.2
 115 35.5 26.1 39.1

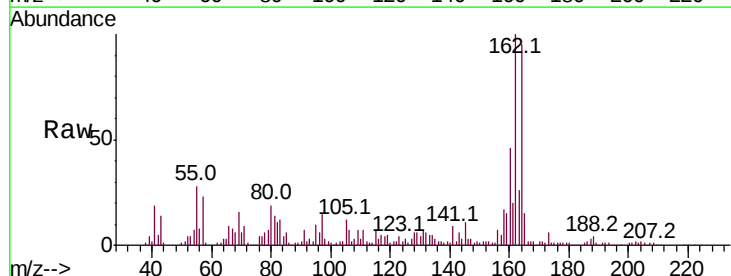


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

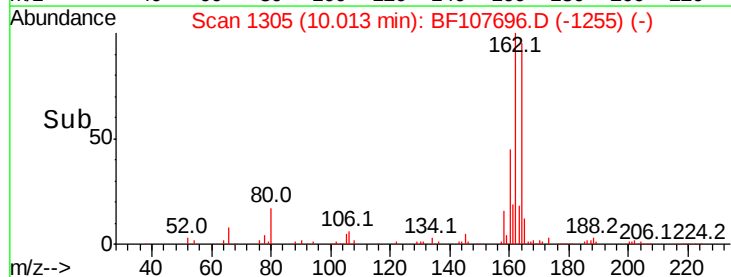
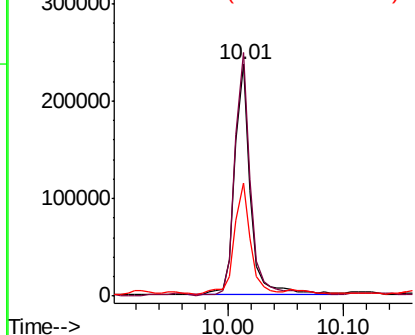


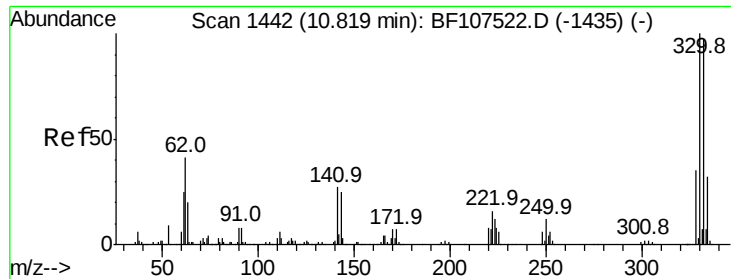
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF107696.D
 Acq: 26 Jul 2018 9:57

Tgt Ion:164 Resp: 223663
 Ion Ratio Lower Upper
 164 100
 162 105.0 86.1 129.1
 160 48.6 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

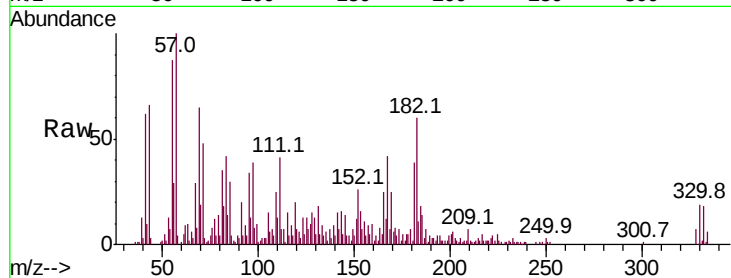




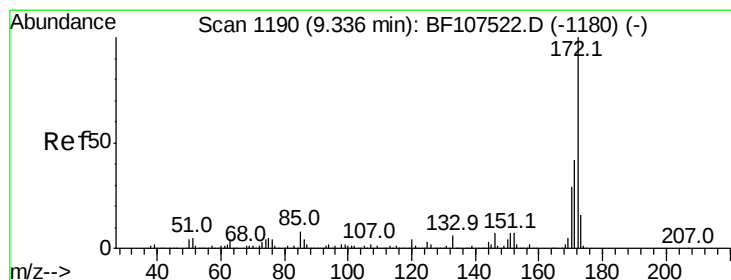
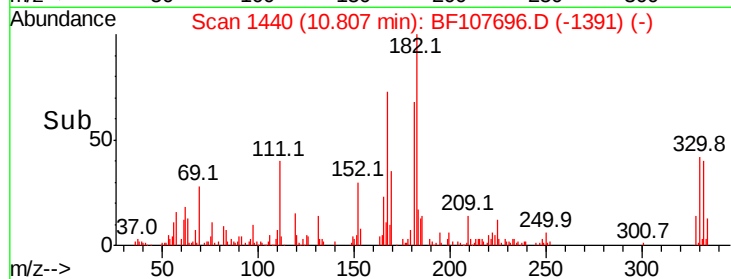
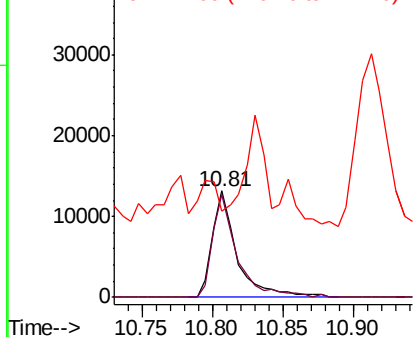
#41
 2,4,6-Tribromophenol
 Concen: 6.334 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107696.D
 Acq: 26 Jul 2018 9:57

Instrument :
 BNA_F
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 WASTEDL

Tot Ion:330 Resp: 16109
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 22.3 29.9 44.9#

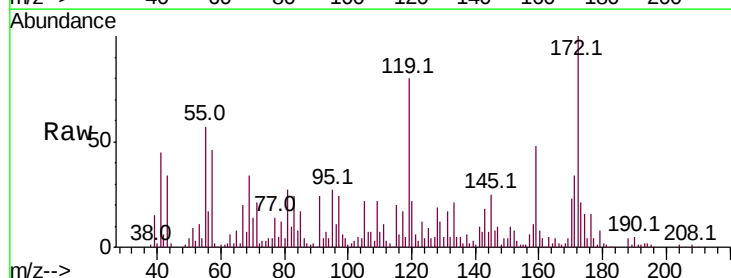


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

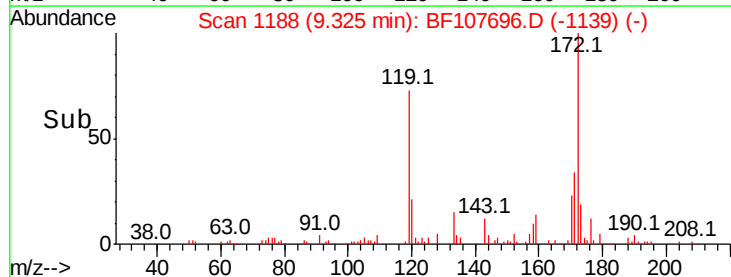
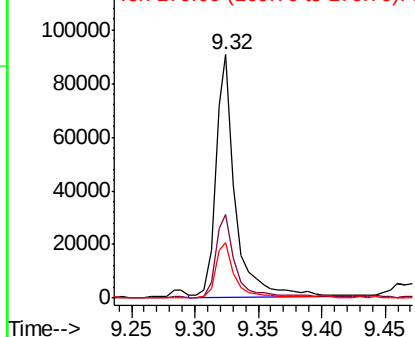


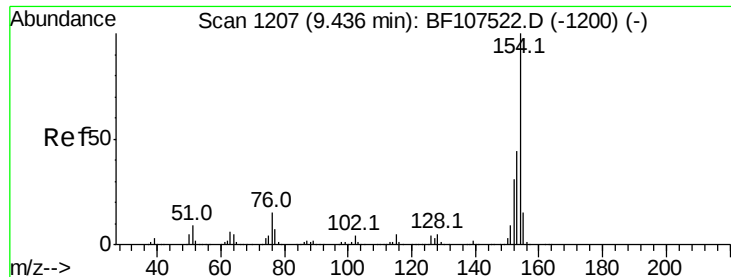
#44
 2-Fluorobiphenyl
 Concen: 1.941 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107696.D
 Acq: 26 Jul 2018 9:57

Tgt Ion:172 Resp: 98761
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.7 44.5
 170 22.6 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





#45

1,1'-Biphenyl

Concen: 4.069 ng

RT: 9.43 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF107696.D

Acq: 26 Jul 2018 9:57

Instrument :

BNA_F

ClientSampleId :

WASTEDL

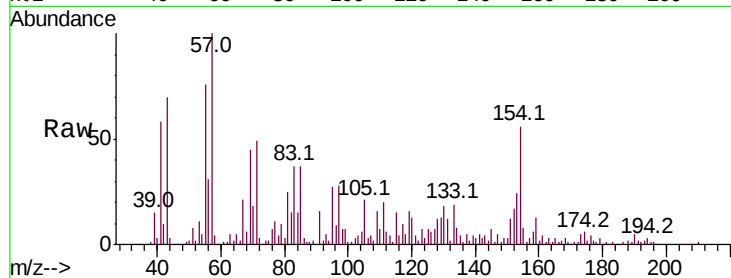
Tot Ion:154 Resp: 79278

Ion Ratio Lower Upper

154 100

153 43.4 21.3 61.3

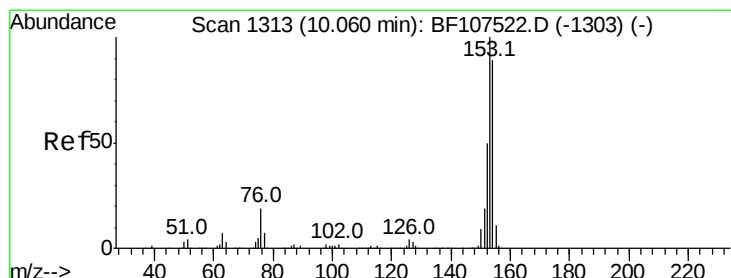
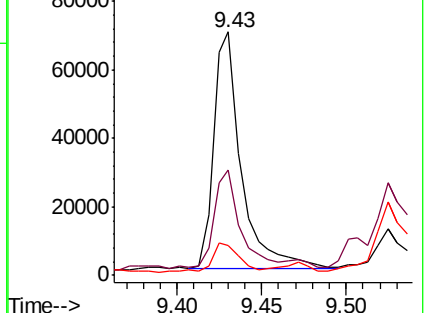
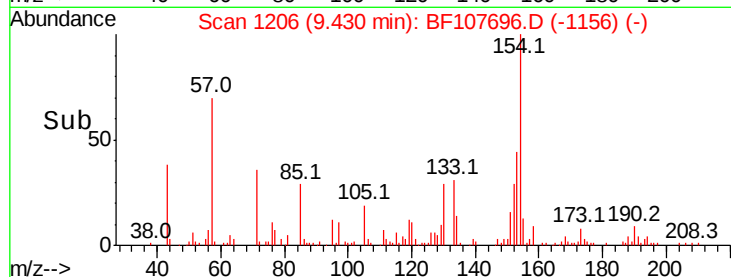
76 12.2 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#51

Acenaphthene

Concen: 4.903 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF107696.D

Acq: 26 Jul 2018 9:57

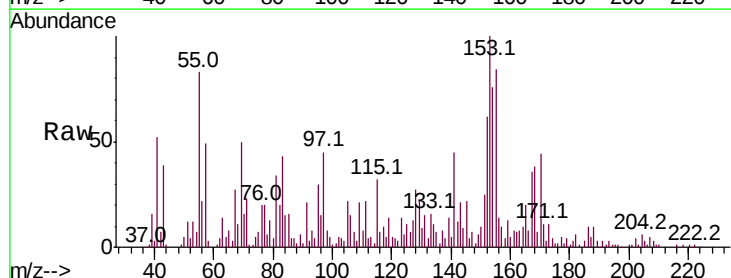
Tgt Ion:154 Resp: 68721

Ion Ratio Lower Upper

154 100

153 131.4 91.2 136.8

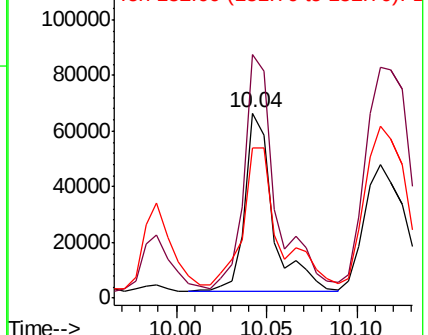
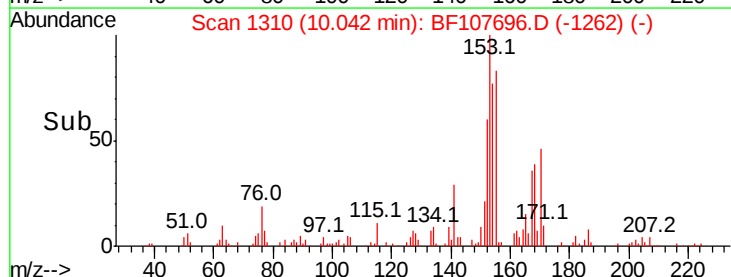
152 81.4 43.8 65.8#

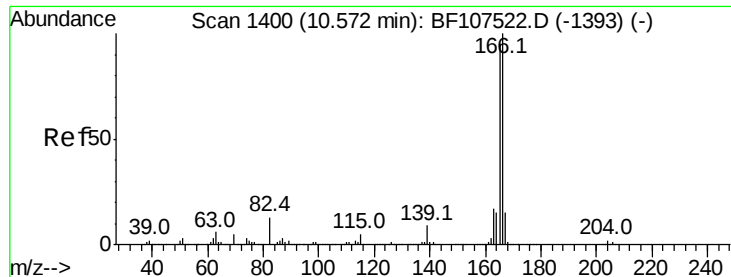


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

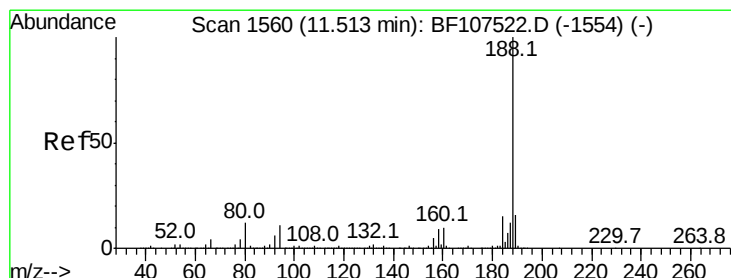
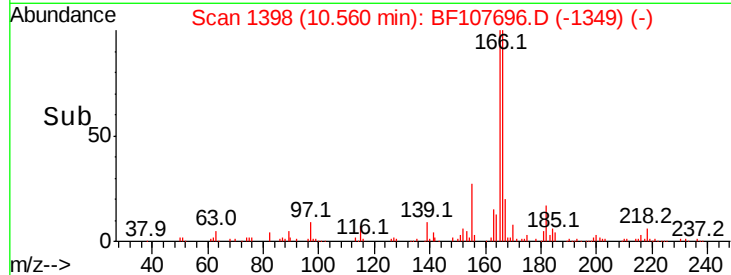
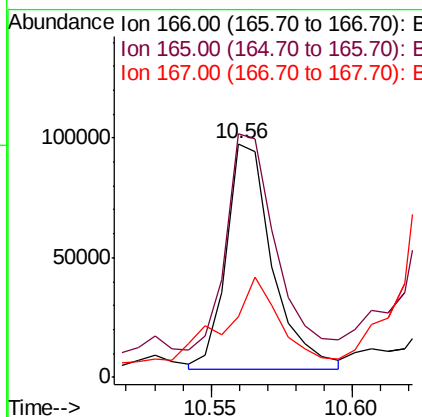
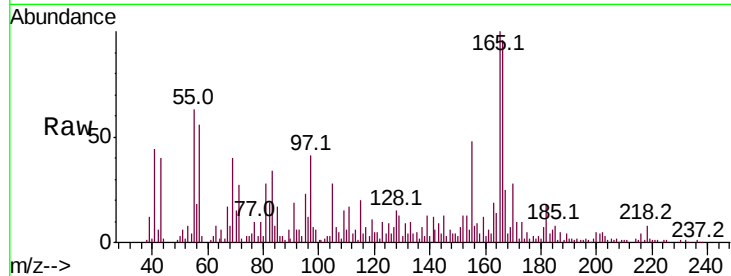




#57
 Fluorene
 Concen: 7.337 ng
 RT: 10.56 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF107696.D
 Acq: 26 Jul 2018 9:57

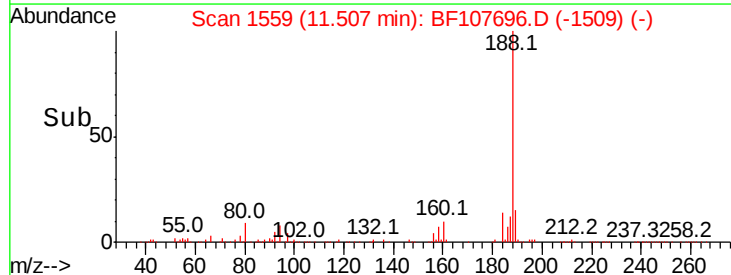
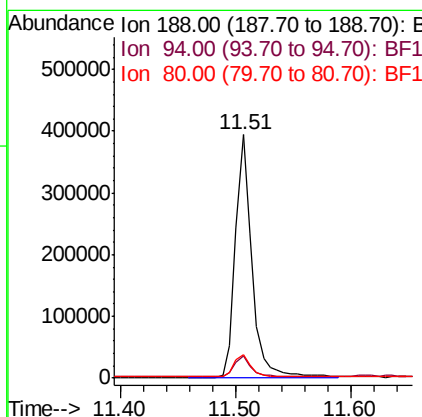
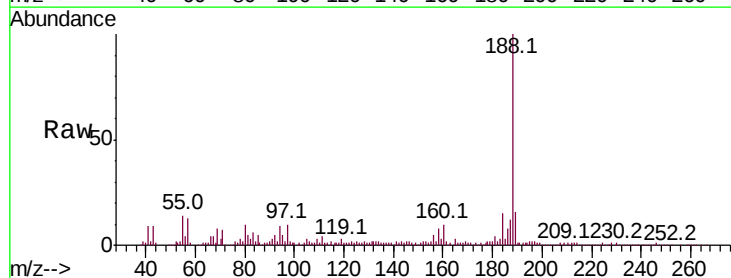
Instrument :
 BNA_F
 ClientSampled :
 WASTEDL

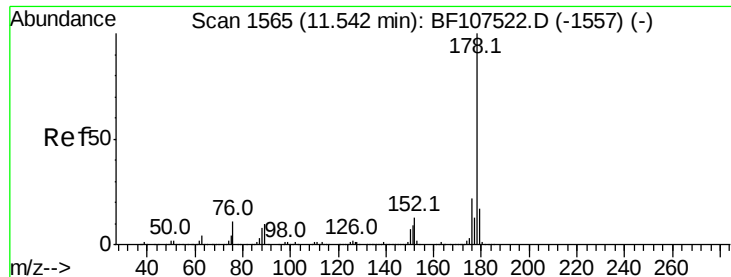
Tot Ion:166 Resp: 108019
 Ion Ratio Lower Upper
 166 100
 165 104.2 79.8 119.8
 167 25.9 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF107696.D
 Acq: 26 Jul 2018 9:57

Tgt Ion:188 Resp: 393133
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.5 12.7
 80 9.5 9.2 13.8

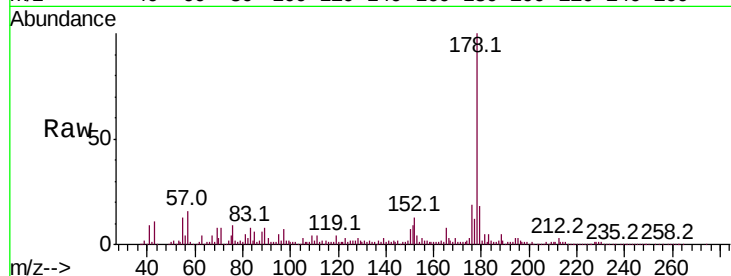




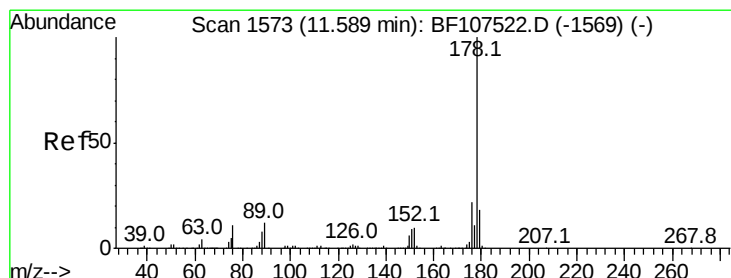
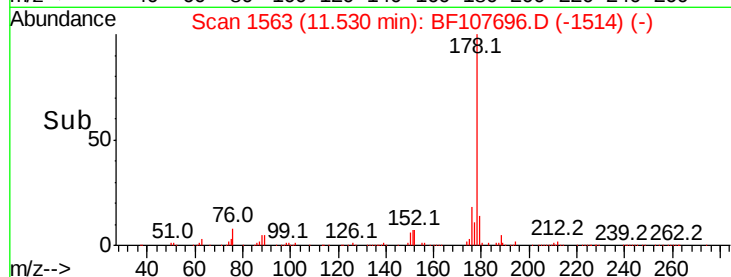
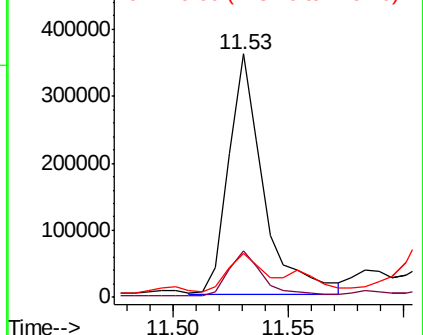
#70
Phenanthrene
Concen: 19.783 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107696.D
Acq: 26 Jul 2018 9:57

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tot Ion:178 Resp: 378996
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 18.1 13.0 19.6

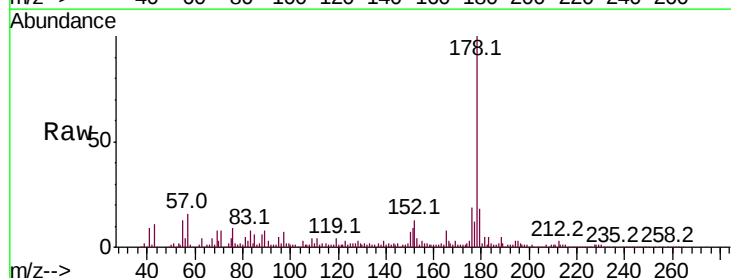


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

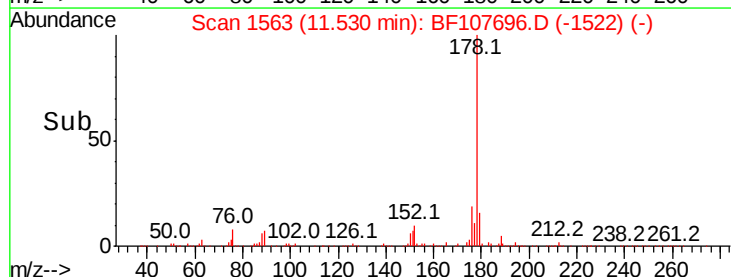
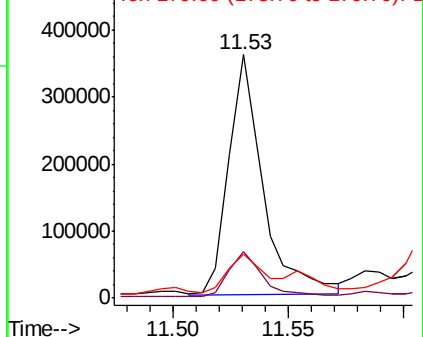


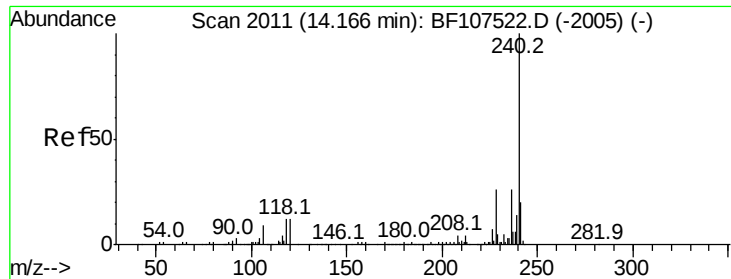
#71
Anthracene
Concen: 19.315 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.06 min
Lab File: BF107696.D
Acq: 26 Jul 2018 9:57

Tgt Ion:178 Resp: 372562
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 18.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

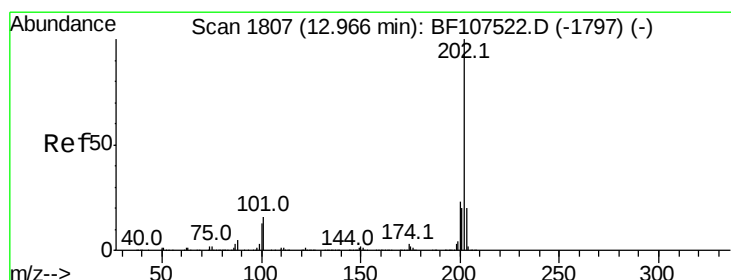
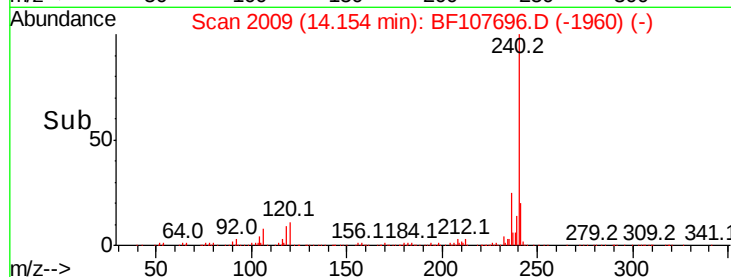
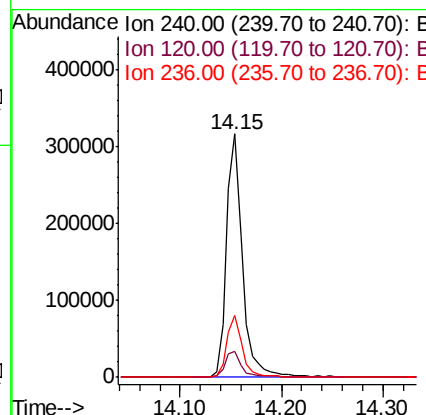
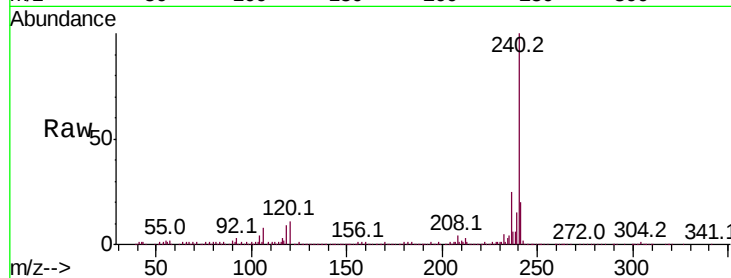




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107696.D
Acq: 26 Jul 2018 9:57

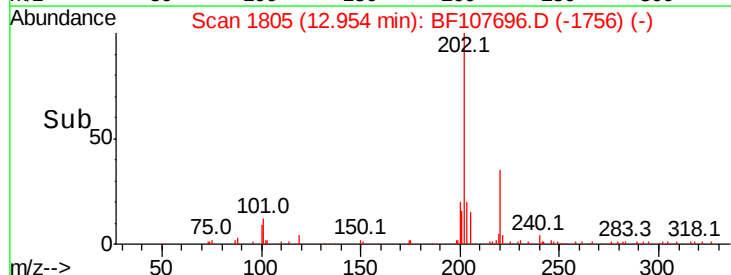
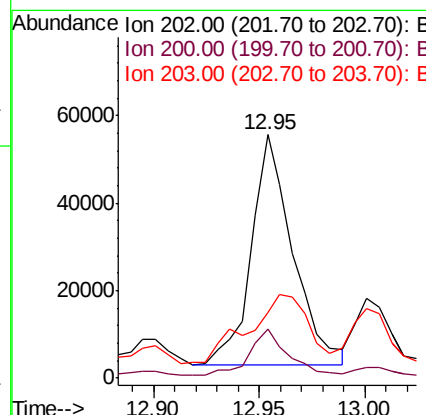
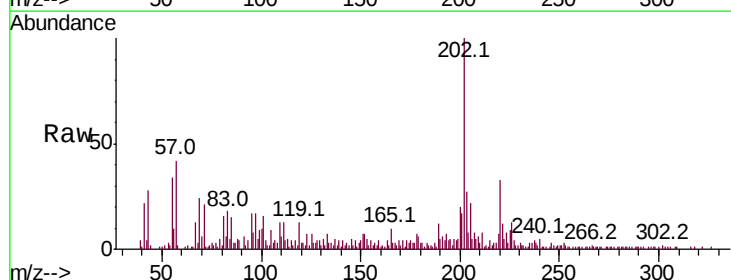
Instrument :
BNA_F
ClientSampleId :
WASTEDL

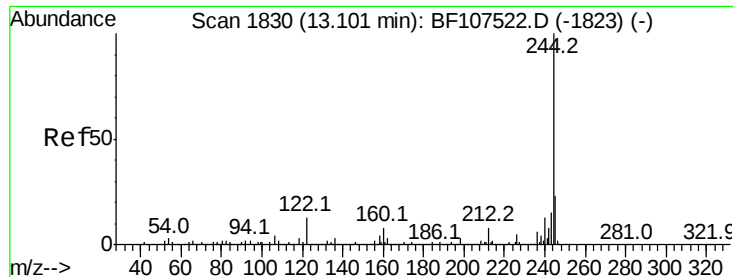
Tot Ion:240 Resp: 345096
Ion Ratio Lower Upper
240 100
120 10.9 9.5 14.3
236 25.2 20.7 31.1



#77
Pyrene
Concen: 3.057 ng
RT: 12.95 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF107696.D
Acq: 26 Jul 2018 9:57

Tgt Ion:202 Resp: 72167
Ion Ratio Lower Upper
202 100
200 20.1 17.4 26.2
203 27.1 14.3 21.5#

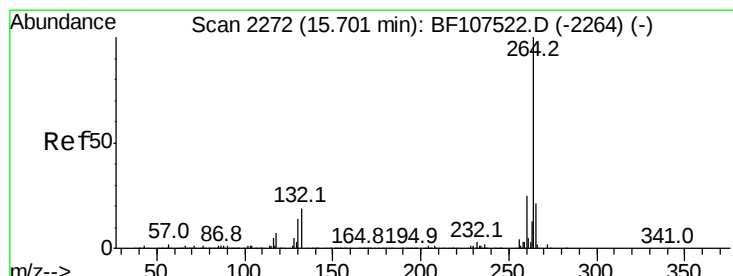
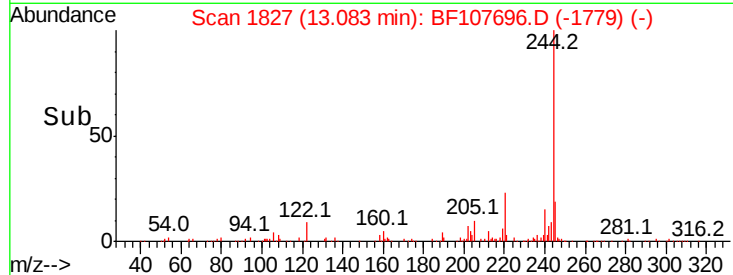
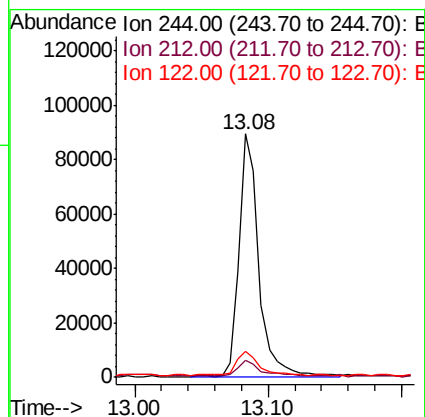




#78
 Terphenyl-d14
 Concen: 6.980 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF107696.D
 Acq: 26 Jul 2018 9:57

Instrument :
 BNA_F
 ClientSampleId :
 WASTEDL

Tot Ion:244 Resp: 94092
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.8 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. -0.02 min
 Lab File: BF107696.D
 Acq: 26 Jul 2018 9:57

Tgt Ion:264 Resp: 275885
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 23.3 17.5 26.3

