

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106370.D
 Acq On : 13 Jun 2018 3:58
 Operator : JU/SJ
 Sample : J3164-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T11-DP-26-5.5-6.0-052418

Quant Time: Jun 13 05:14:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

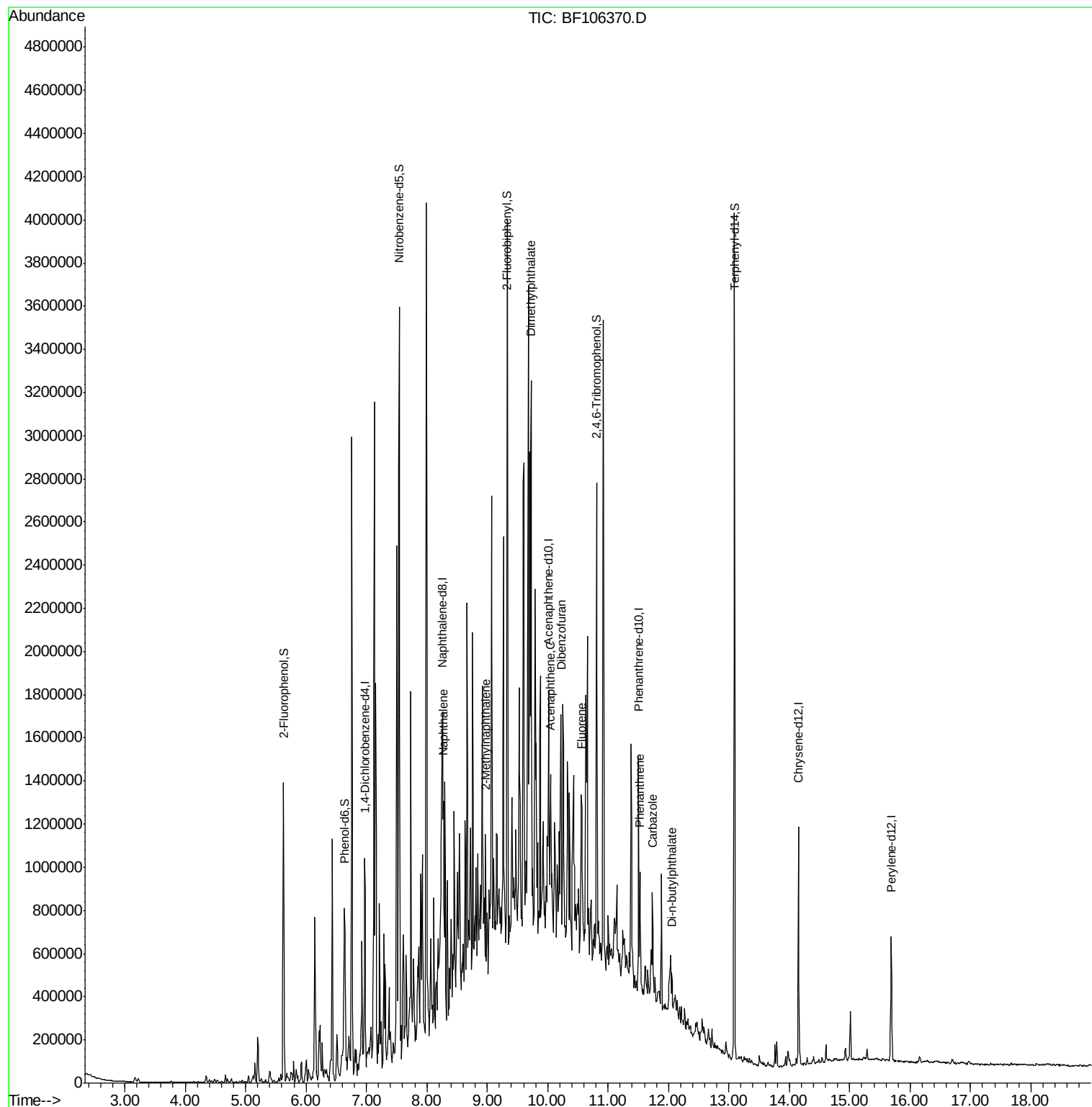
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	130213	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	438327	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	192711	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	366921	20.00	ng	0.00
75) Chrysene-d12	14.15	240	369660	20.00	ng	0.00
86) Perylene-d12	15.69	264	263831	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	477936	62.12	ng	0.04
7) Phenol-d6	6.64	99	350519	36.06	ng	0.05
23) Nitrobenzene-d5	7.54	82	751222	100.82	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	301851	162.79	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1210700	131.79	ng	0.00
78) Terphenyl-d14	13.09	244	1458843	98.02	ng	0.00
Target Compounds						
31) Naphthalene	8.28	128	168476	8.503	ng	# 89
37) 2-Methylnaphthalene	8.97	142	141743	10.503	ng	# 97
49) Dimethylphthalate	9.72	163	140562	10.209	ng	# 92
51) Acenaphthene	10.05	154	73137	6.194	ng	# 86
54) Dibenzofuran	10.22	168	122830	7.725	ng	# 95
57) Fluorene	10.57	166	131985	10.477	ng	# 96
70) Phenanthrene	11.53	178	182500	10.156	ng	100
72) Carbazole	11.74	167	76203	4.585	ng	98
73) Di-n-butylphthalate	12.05	149	85909	4.644	ng	98

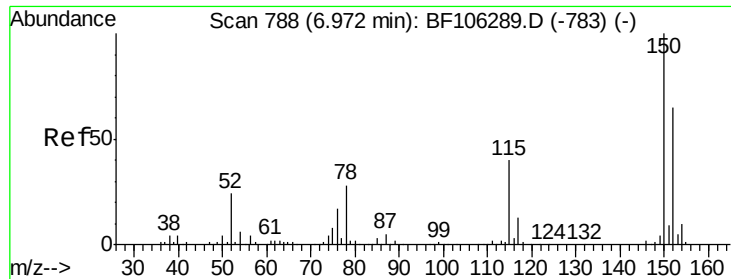
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
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Misc :
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T11-DP-26-5.5-6.0-052418

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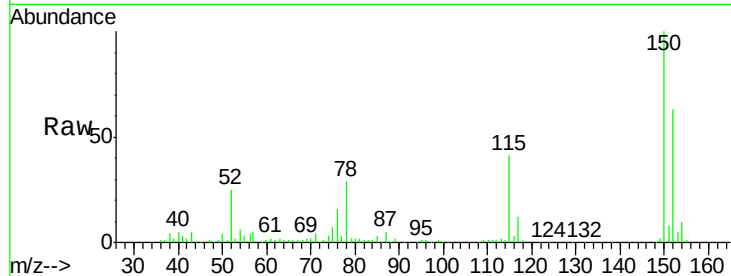


#1

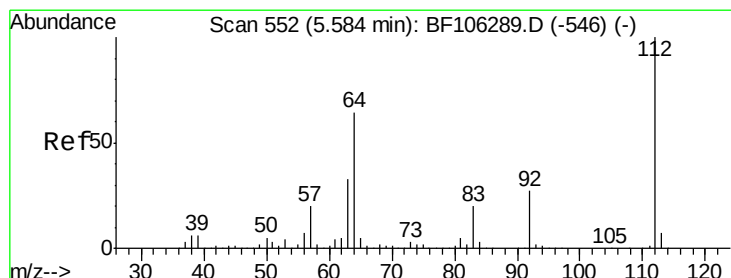
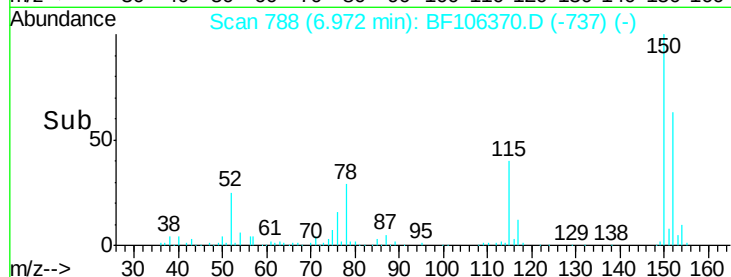
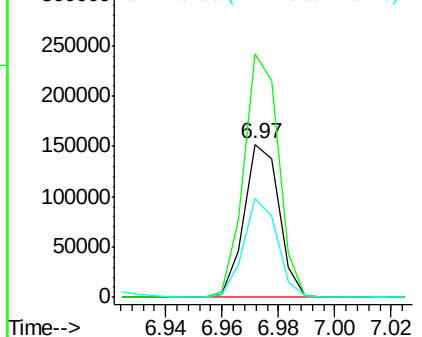
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106370.D
Acq: 13 Jun 2018 3:58

Instrument :
BNA_F
ClientSampleId :
T11-DP-26-5.5-6.0-052418

Tot Ion:152 Resp: 130213
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 64.9 50.1 75.1



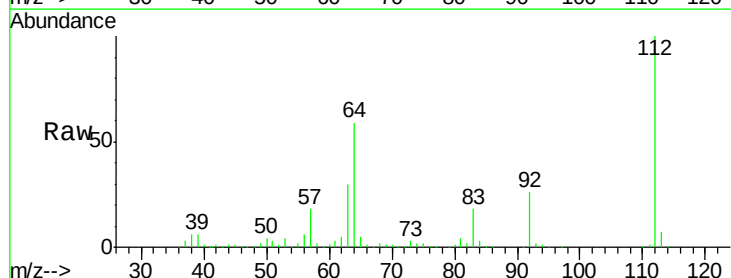
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



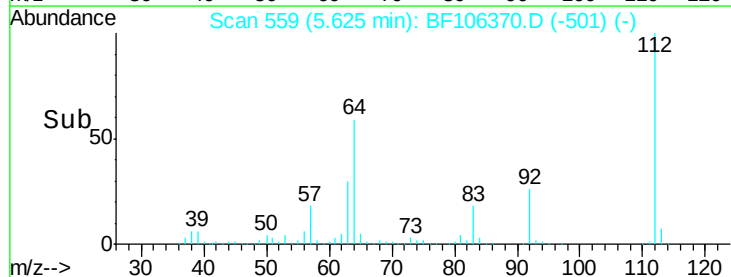
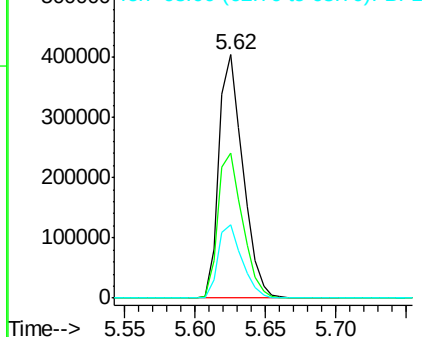
#5

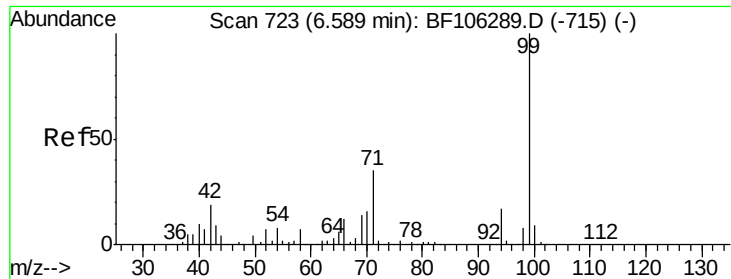
2-Fluorophenol
Concen: 62.122 ng
RT: 5.62 min Scan# 559
Delta R.T. 0.04 min
Lab File: BF106370.D
Acq: 13 Jun 2018 3:58

Tgt Ion:112 Resp: 477936
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 30.3 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: 36.061 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.05 min

Lab File: BF106370.D

Acq: 13 Jun 2018 3:58

Instrument :

BNA_F

ClientSampleId :

T11-DP-26-5.5-6.0-052418

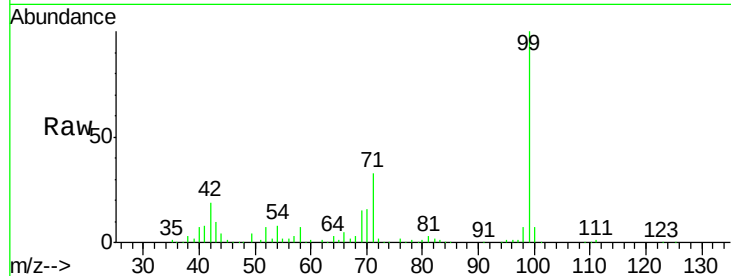
Tot Ion: 99 Resp: 350519

Ion Ratio Lower Upper

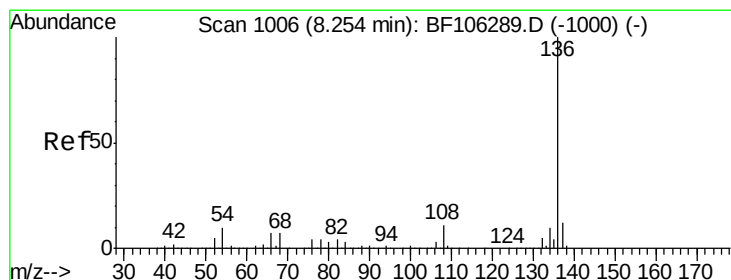
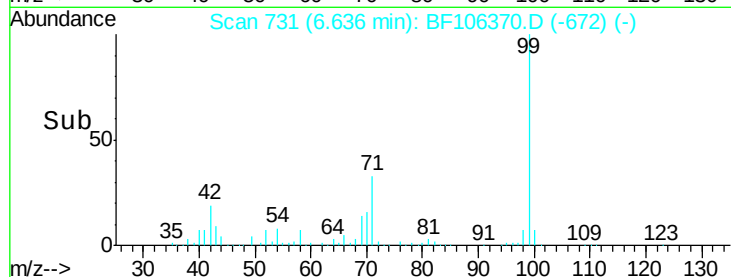
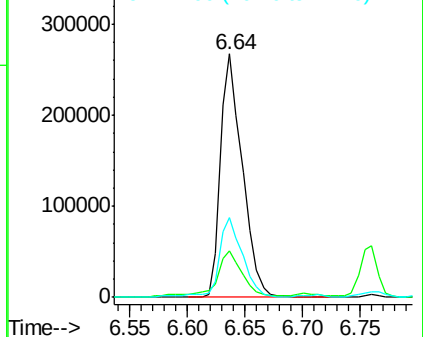
99 100

42 18.9 14.5 21.7

71 32.9 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# 1006

Delta R.T. 0.00 min

Lab File: BF106370.D

Acq: 13 Jun 2018 3:58

Tgt Ion: 136 Resp: 438327

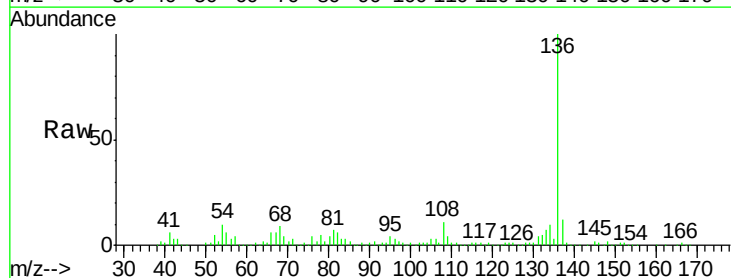
Ion Ratio Lower Upper

136 100

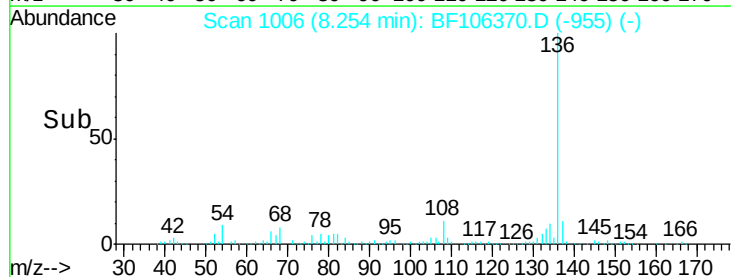
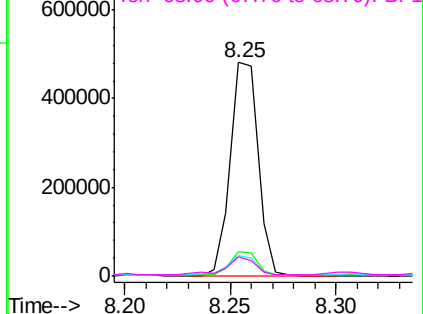
137 11.6 8.9 13.3

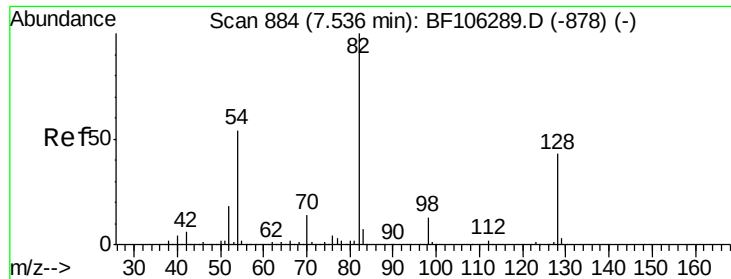
54 9.9 6.6 9.8#

68 8.8 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

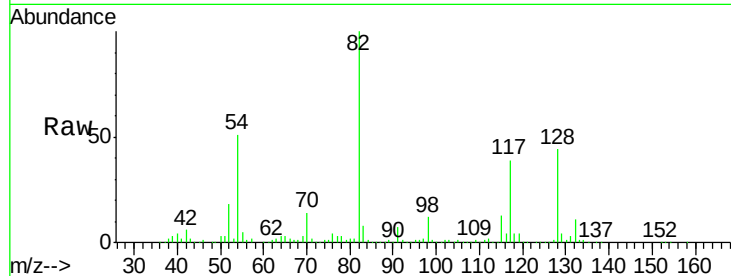




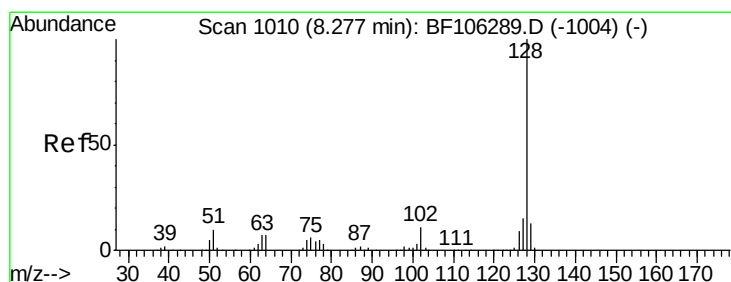
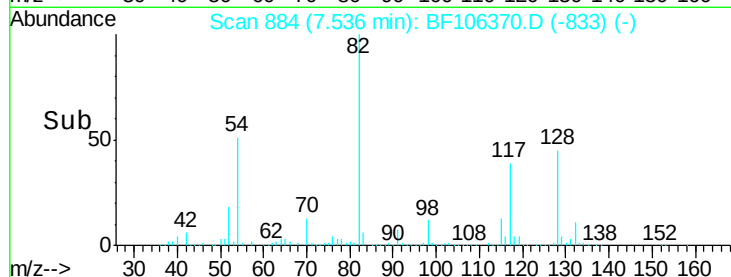
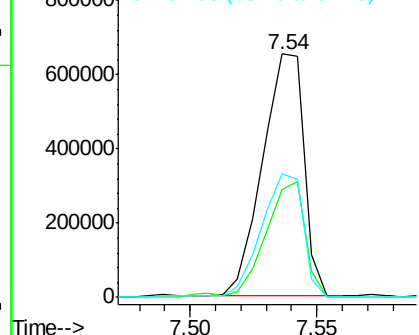
#23
Nitrobenzene-d5
Concen: 100.823 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF106370.D
Acq: 13 Jun 2018 3:58

Instrument :
BNA_F
ClientSampleId :
T11-DP-26-5.5-6.0-052418

Tot Ion: 82 Resp: 751222
Ion Ratio Lower Upper
82 100
128 44.4 36.1 54.1
54 50.9 41.4 62.2

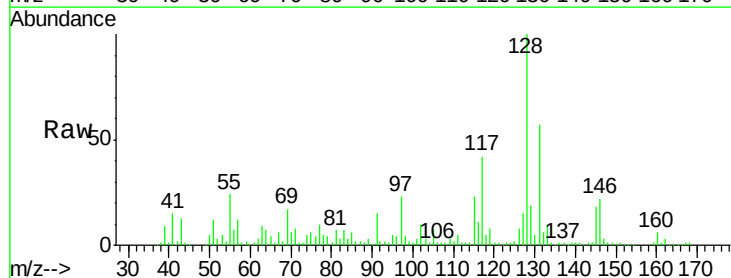


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

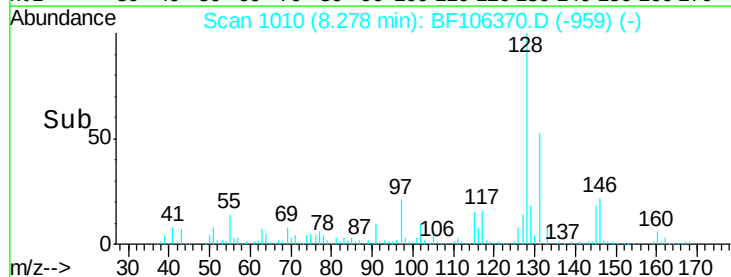
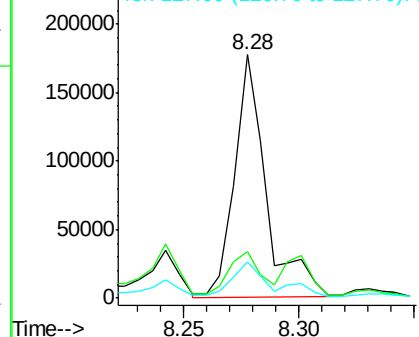


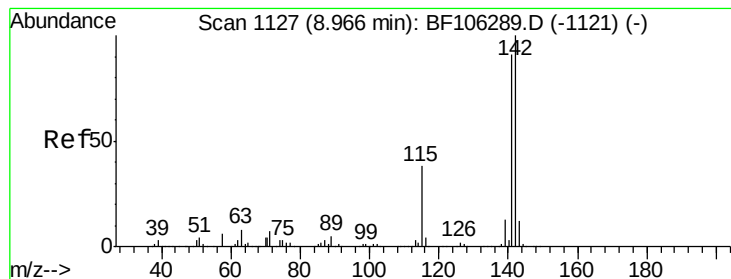
#31
Naphthalene
Concen: 8.503 ng
RT: 8.28 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF106370.D
Acq: 13 Jun 2018 3:58

Tgt Ion: 128 Resp: 168476
Ion Ratio Lower Upper
128 100
129 19.4 8.8 13.2#
127 14.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

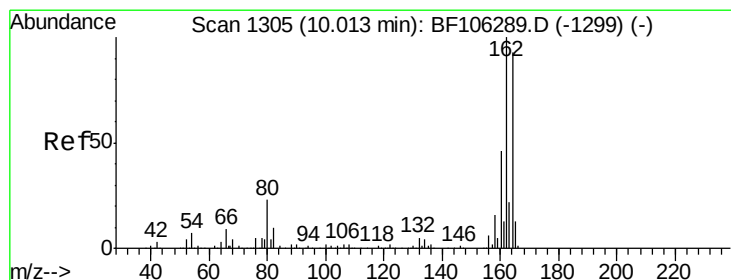
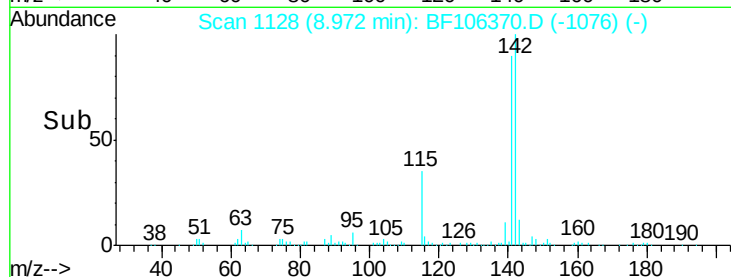
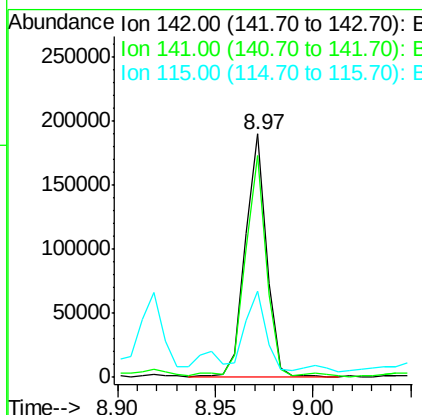
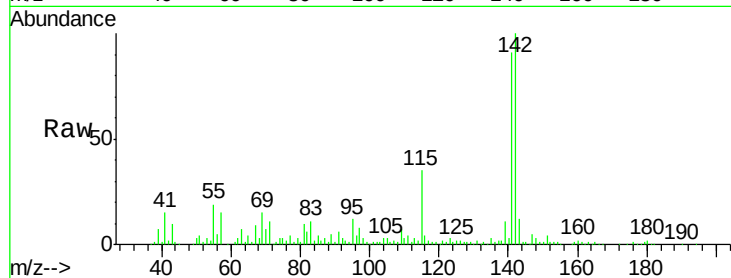




#37
 2-Methylnaphthalene
 Concen: 10.503 ng
 RT: 8.97 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BF106370.D
 Acq: 13 Jun 2018 3:58

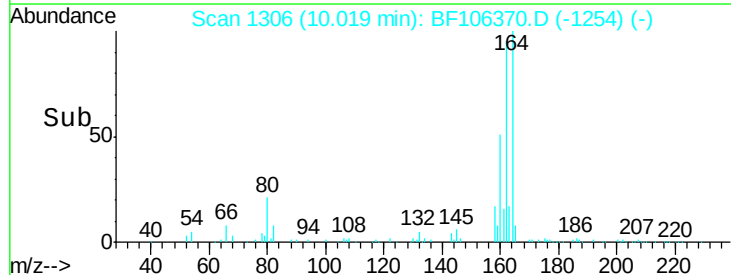
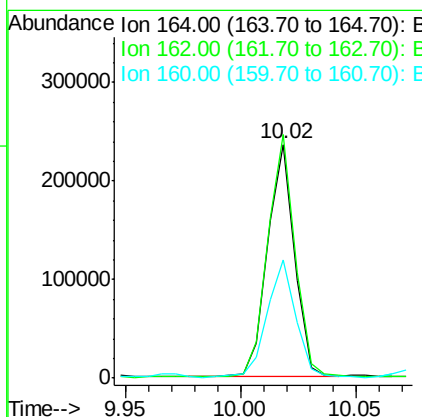
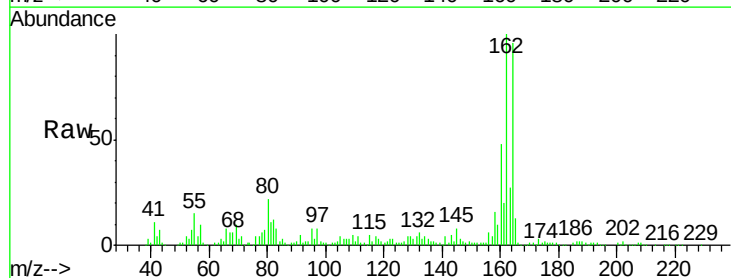
Instrument :
 BNA_F
 ClientSampleId :
 T11-DP-26-5.5-6.0-052418

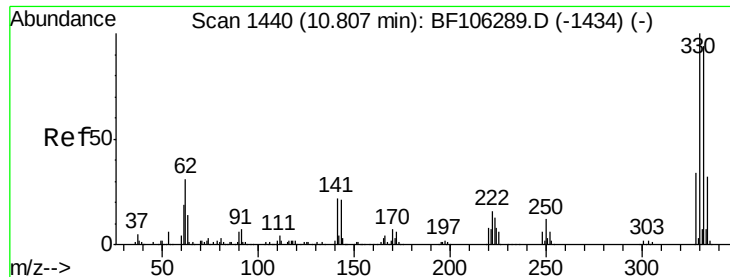
Tot Ion:142 Resp: 141743
 Ion Ratio Lower Upper
 142 100
 141 90.9 70.8 106.2
 115 35.5 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. 0.01 min
 Lab File: BF106370.D
 Acq: 13 Jun 2018 3:58

Tgt Ion:164 Resp: 192711
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 50.4 38.3 57.5

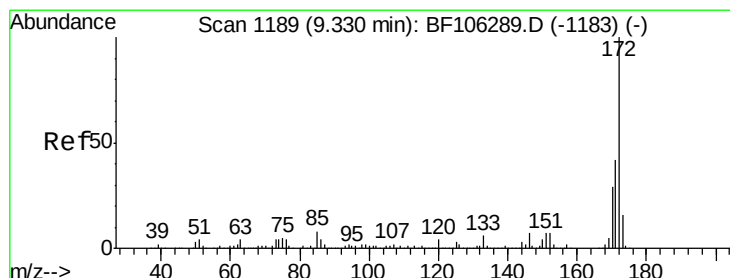
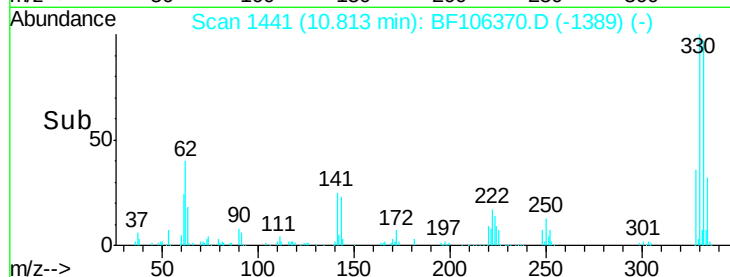
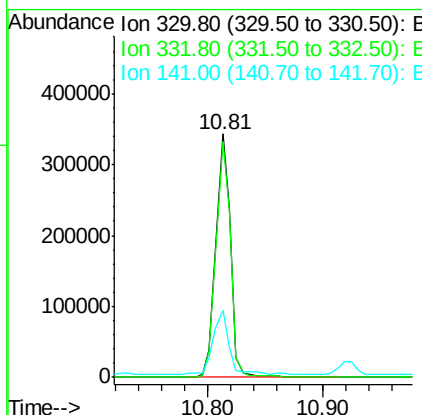
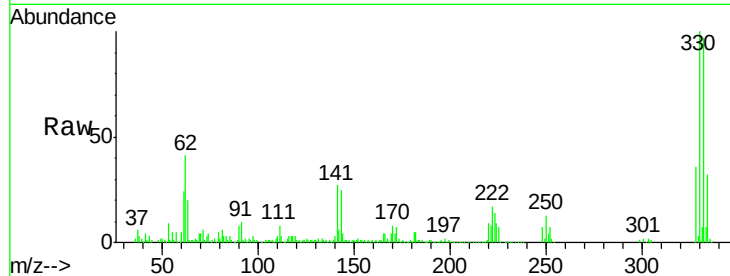




#41
 2,4,6-Tribromophenol
 Concen: 162.792 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF106370.D
 Acq: 13 Jun 2018 3:58

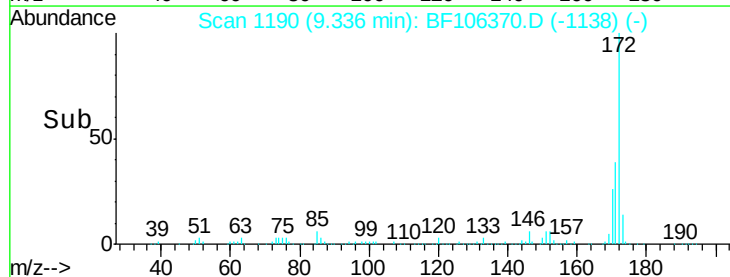
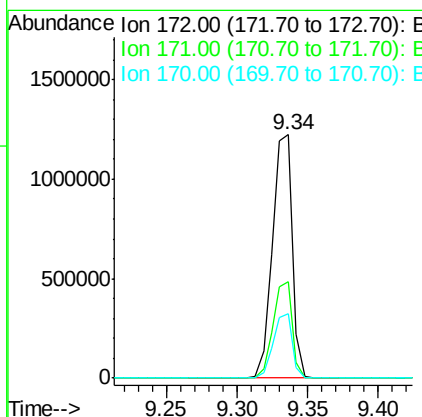
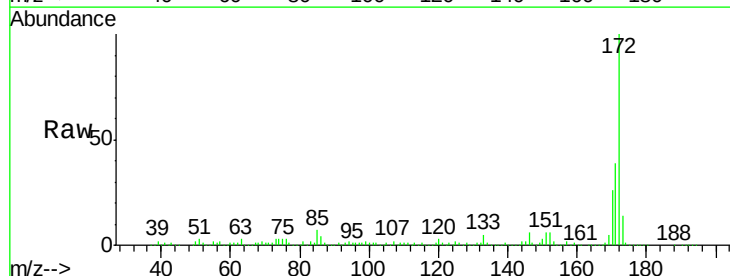
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 BNA_F
 ClientSampleId :
 T11-DP-26-5.5-6.0-052418

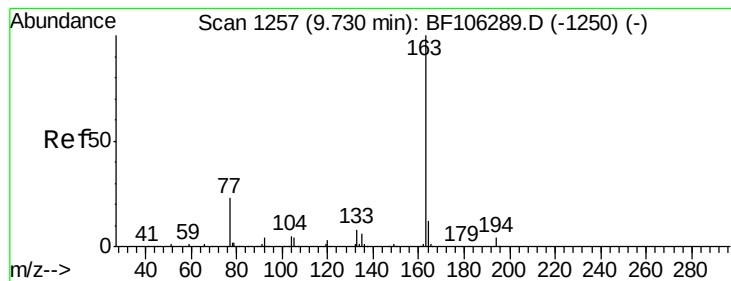
Tot Ion:330 Resp: 301851
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 28.2 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 131.788 ng
 RT: 9.34 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: BF106370.D
 Acq: 13 Jun 2018 3:58

Tgt Ion:172 Resp: 1210700
 Ion Ratio Lower Upper
 172 100
 171 39.4 29.7 44.5
 170 26.4 19.6 29.4





#49

Dimethylphthalate

Concen: 10.209 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF106370.D

Acq: 13 Jun 2018 3:58

Instrument :

BNA_F

ClientSampleId :

T11-DP-26-5.5-6.0-052418

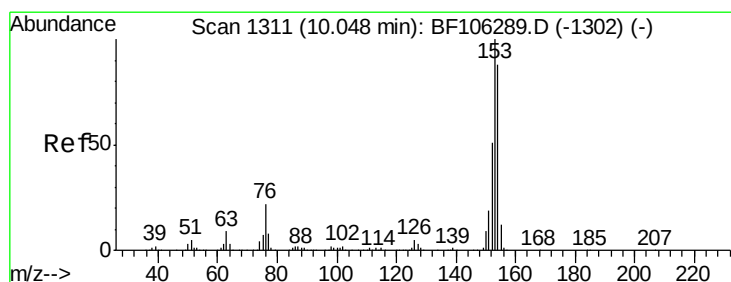
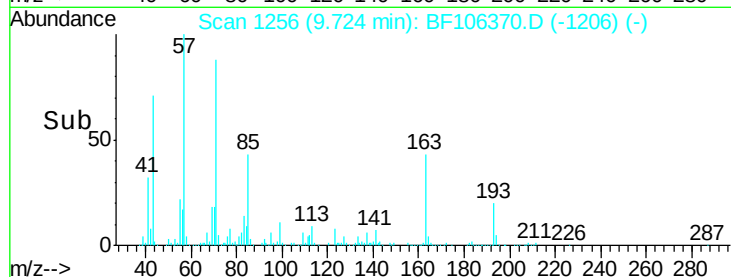
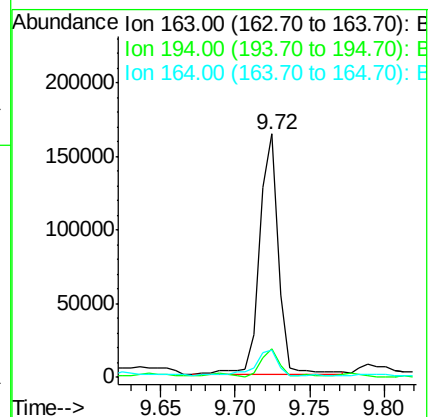
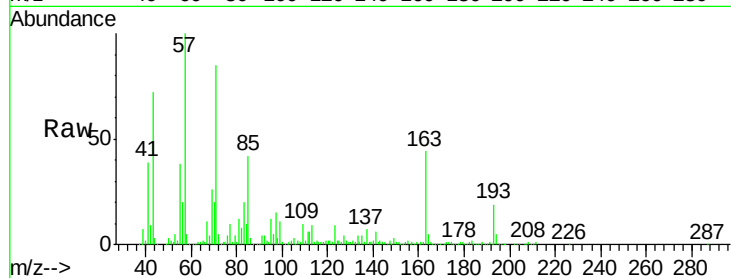
Tot Ion:163 Resp: 140562

Ion Ratio Lower Upper

163 100

194 11.6 2.7 4.1#

164 11.0 8.2 12.2



#51

Acenaphthene

Concen: 6.194 ng

RT: 10.05 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF106370.D

Acq: 13 Jun 2018 3:58

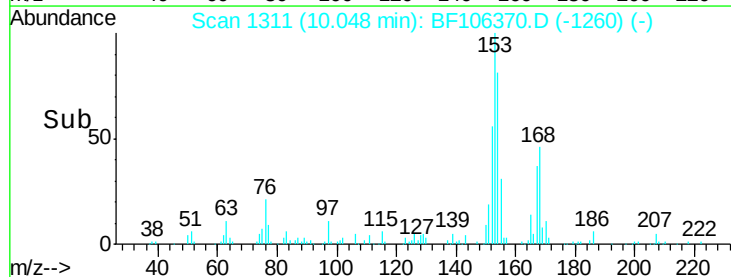
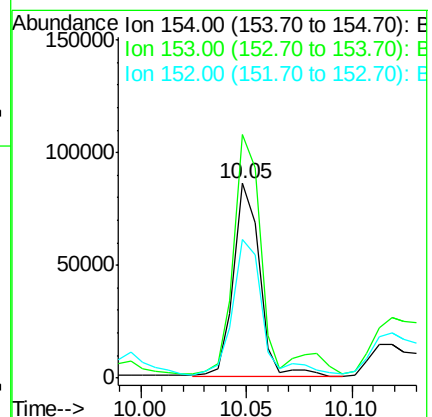
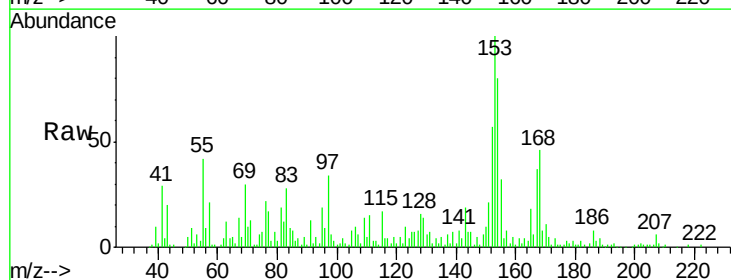
Tgt Ion:154 Resp: 73137

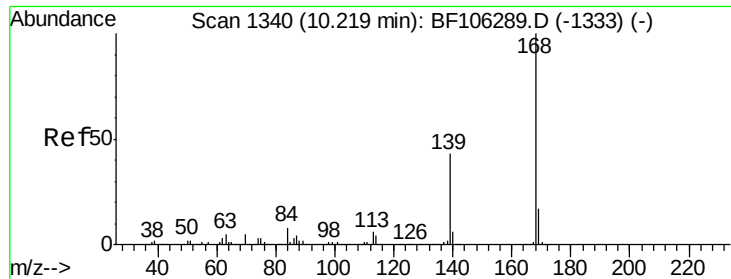
Ion Ratio Lower Upper

154 100

153 124.9 91.2 136.8

152 70.9 43.8 65.8#

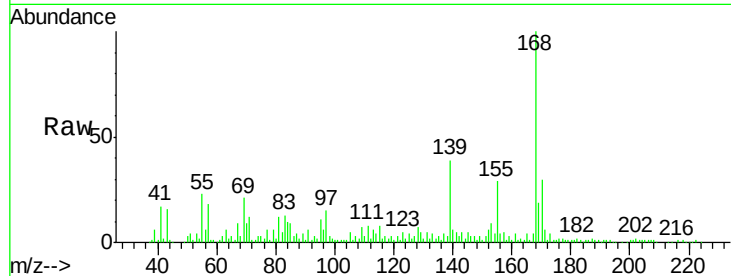




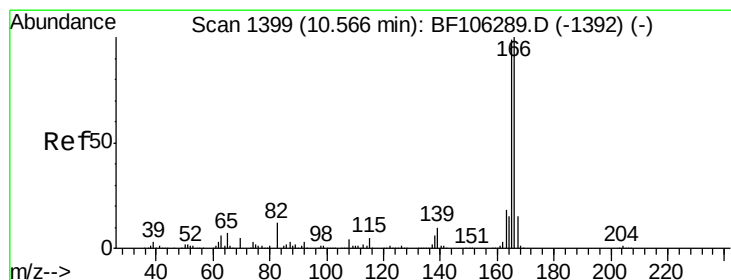
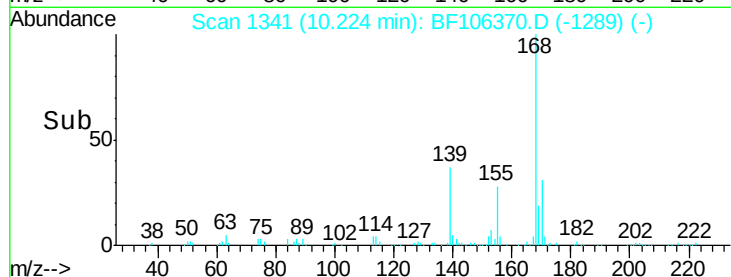
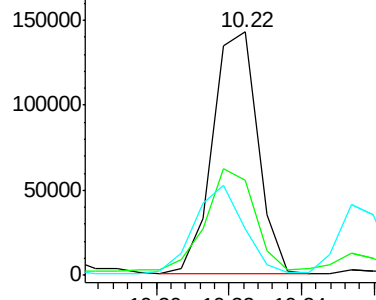
#54
Dibenzofuran
Concen: 7.725 ng
RT: 10.22 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF106370.D
Acq: 13 Jun 2018 3:58

Instrument :
BNA_F
ClientSampleId :
T11-DP-26-5.5-6.0-052418

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.1	45.1
169	19.0	10.9	16.3

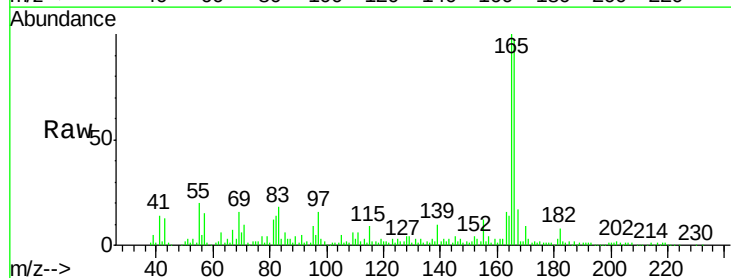


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

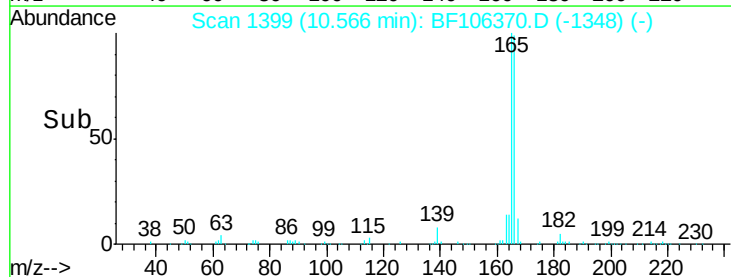
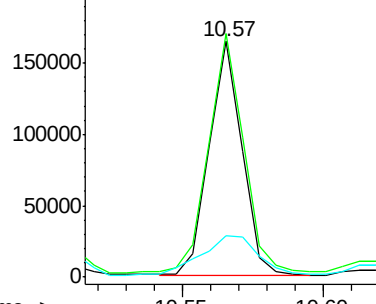


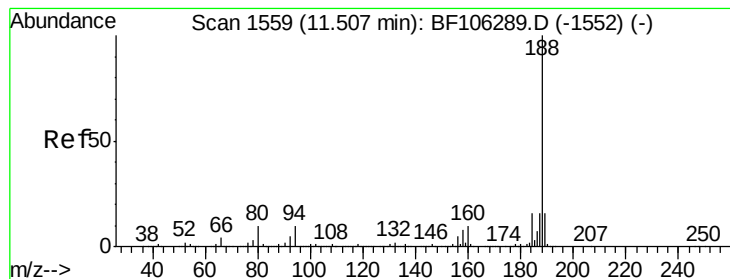
#57
Fluorene
Concen: 10.477 ng
RT: 10.57 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF106370.D
Acq: 13 Jun 2018 3:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.3	79.8	119.8
167	17.3	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BF106370.D

Acq: 13 Jun 2018 3:58

Instrument :

BNA_F

ClientSampleId :

T11-DP-26-5.5-6.0-052418

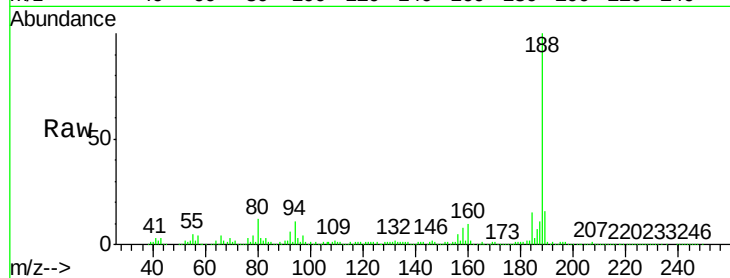
Tot Ion:188 Resp: 366921

Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

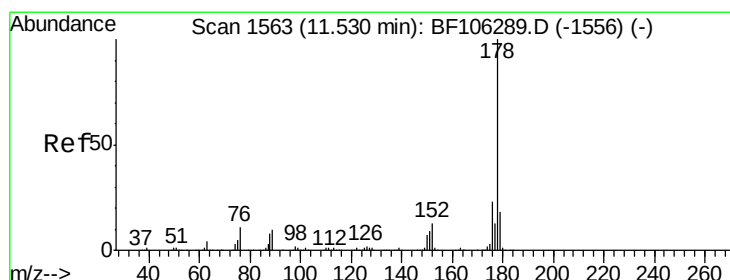
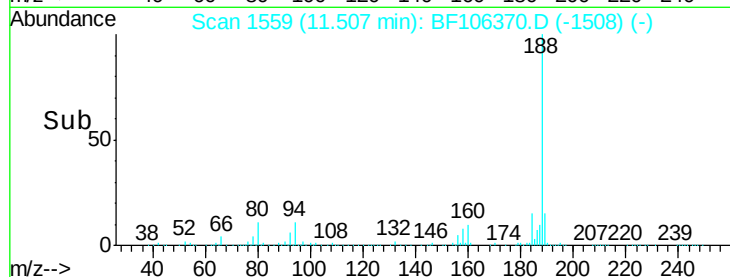
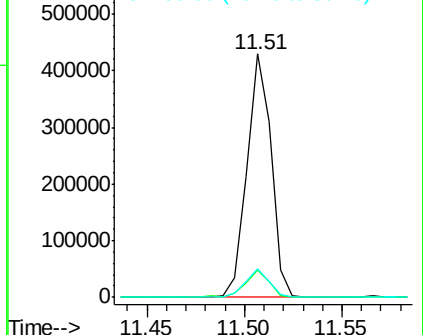
80 11.6 9.2 13.8



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



#70

Phenanthrene

Concen: 10.156 ng

RT: 11.53 min Scan# 1563

Delta R.T. 0.00 min

Lab File: BF106370.D

Acq: 13 Jun 2018 3:58

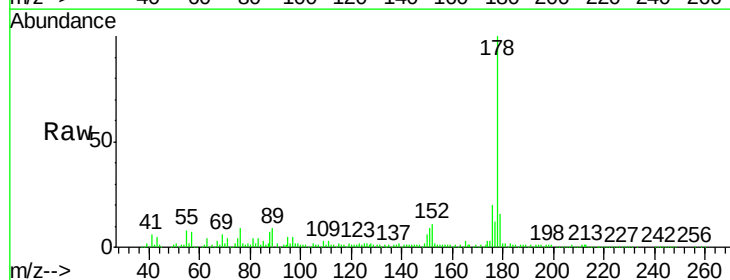
Tgt Ion:178 Resp: 182500

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

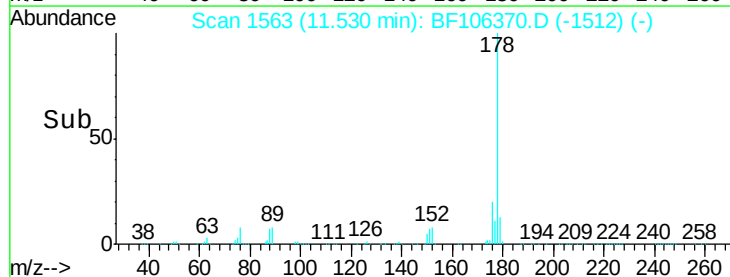
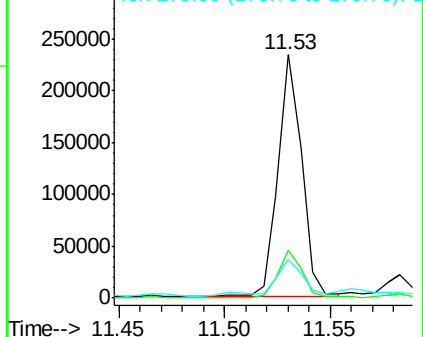
179 16.1 13.0 19.6

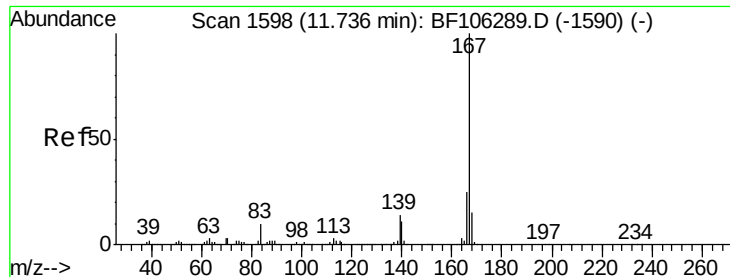


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.585 ng

RT: 11.74 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BF106370.D

Acq: 13 Jun 2018 3:58

Instrument :

BNA_F

ClientSampleId :

T11-DP-26-5.5-6.0-052418

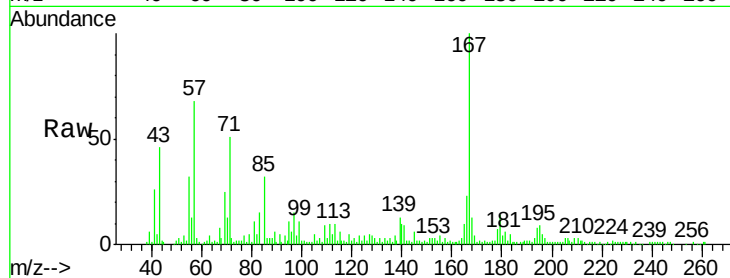
Tot Ion:167 Resp: 76203

Ion Ratio Lower Upper

167 100

166 23.4 17.6 26.4

139 13.4 10.9 16.3

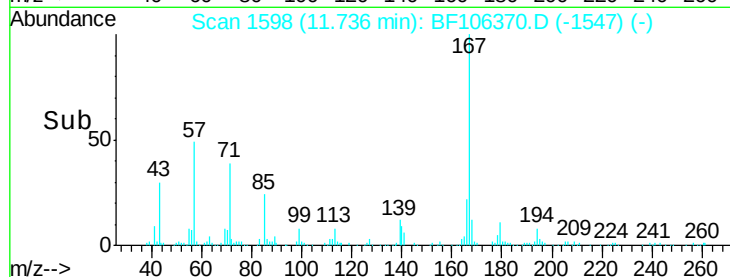


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time--> 11.65 11.70 11.75

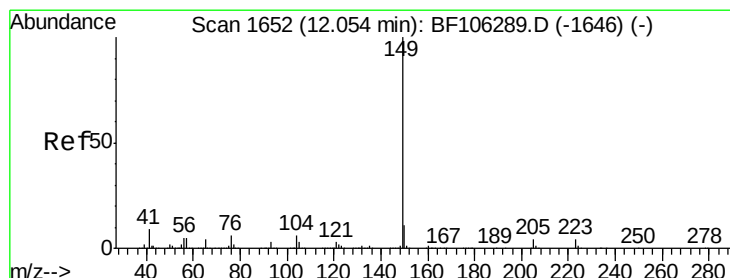


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time--> 11.65 11.70 11.75



#73

Di-n-butylphthalate

Concen: 4.644 ng

RT: 12.05 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BF106370.D

Acq: 13 Jun 2018 3:58

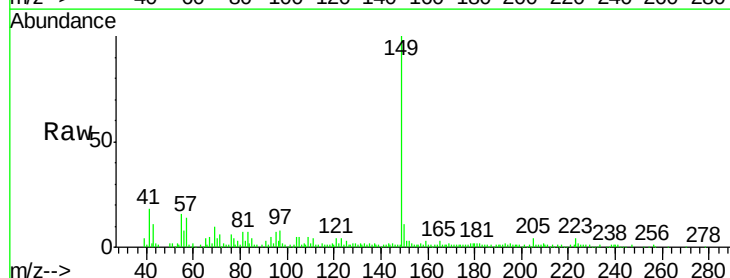
Tgt Ion:149 Resp: 85909

Ion Ratio Lower Upper

149 100

150 10.5 7.8 11.6

104 5.2 3.8 5.8

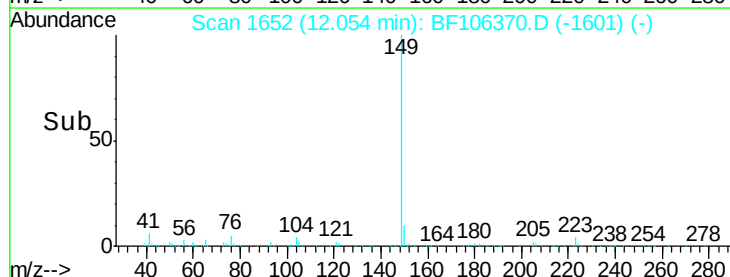


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time--> 12.00 12.05 12.10

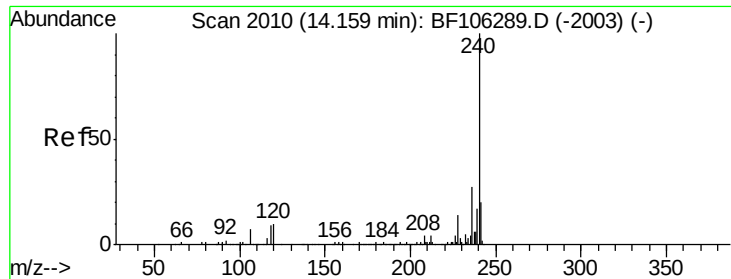


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time--> 12.00 12.05 12.10



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106370.D

Acq: 13 Jun 2018 3:58

Instrument :

BNA_F

ClientSampleId :

T11-DP-26-5.5-6.0-052418

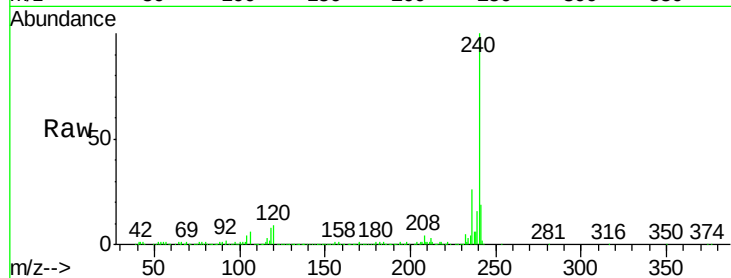
Tot Ion:240 Resp: 369660

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

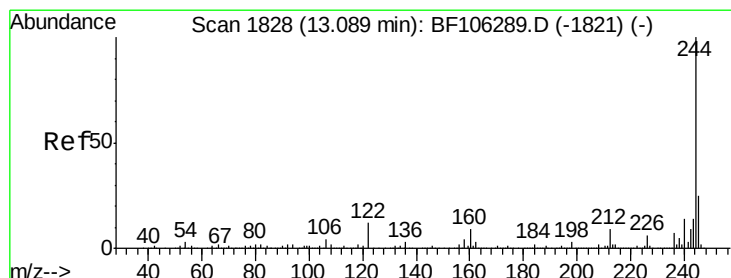
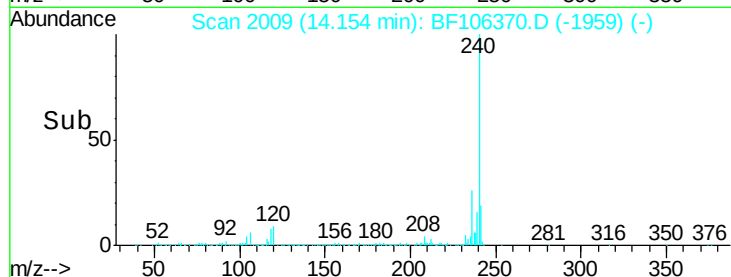
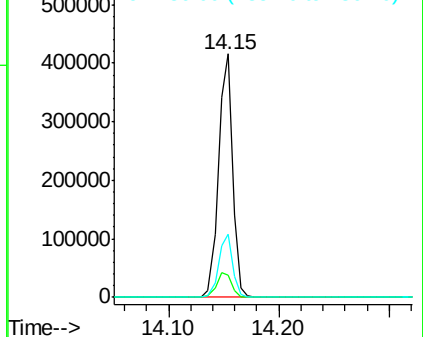
236 26.0 20.7 31.1



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: 98.021 ng

RT: 13.09 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BF106370.D

Acq: 13 Jun 2018 3:58

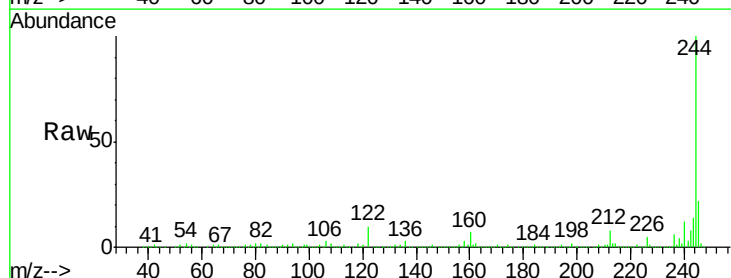
Tgt Ion:244 Resp: 1458843

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

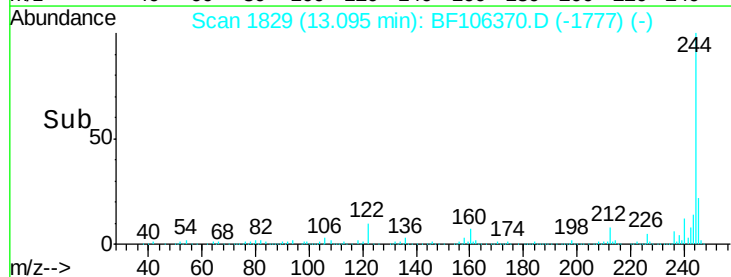
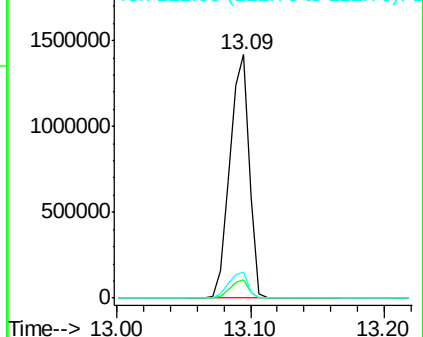
122 10.5 11.0 16.4#

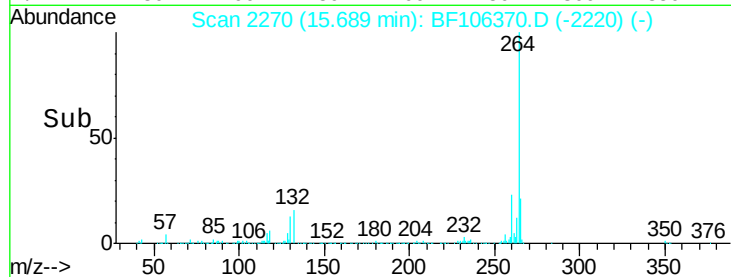
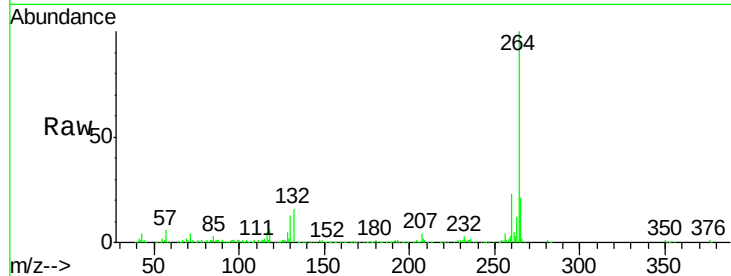
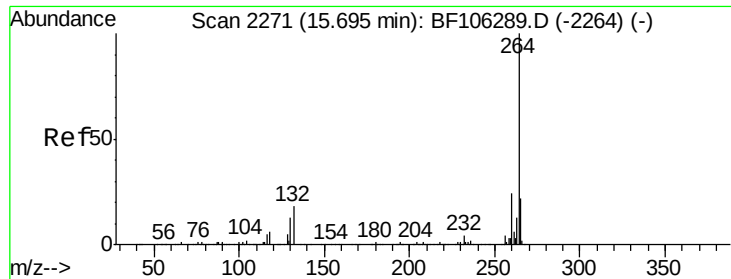


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF106370.D
 Acq: 13 Jun 2018 3:58

Instrument :
 BNA_F
 ClientSampleId :
 T11-DP-26-5.5-6.0-052418

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.2	17.5	26.3

