

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
 Data File : BF109969.D
 Acq On : 18 Oct 2018 20:04
 Operator : JU/SJ
 Sample : J5539-05DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-6-8FTDL

Quant Time: Oct 19 04:23:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

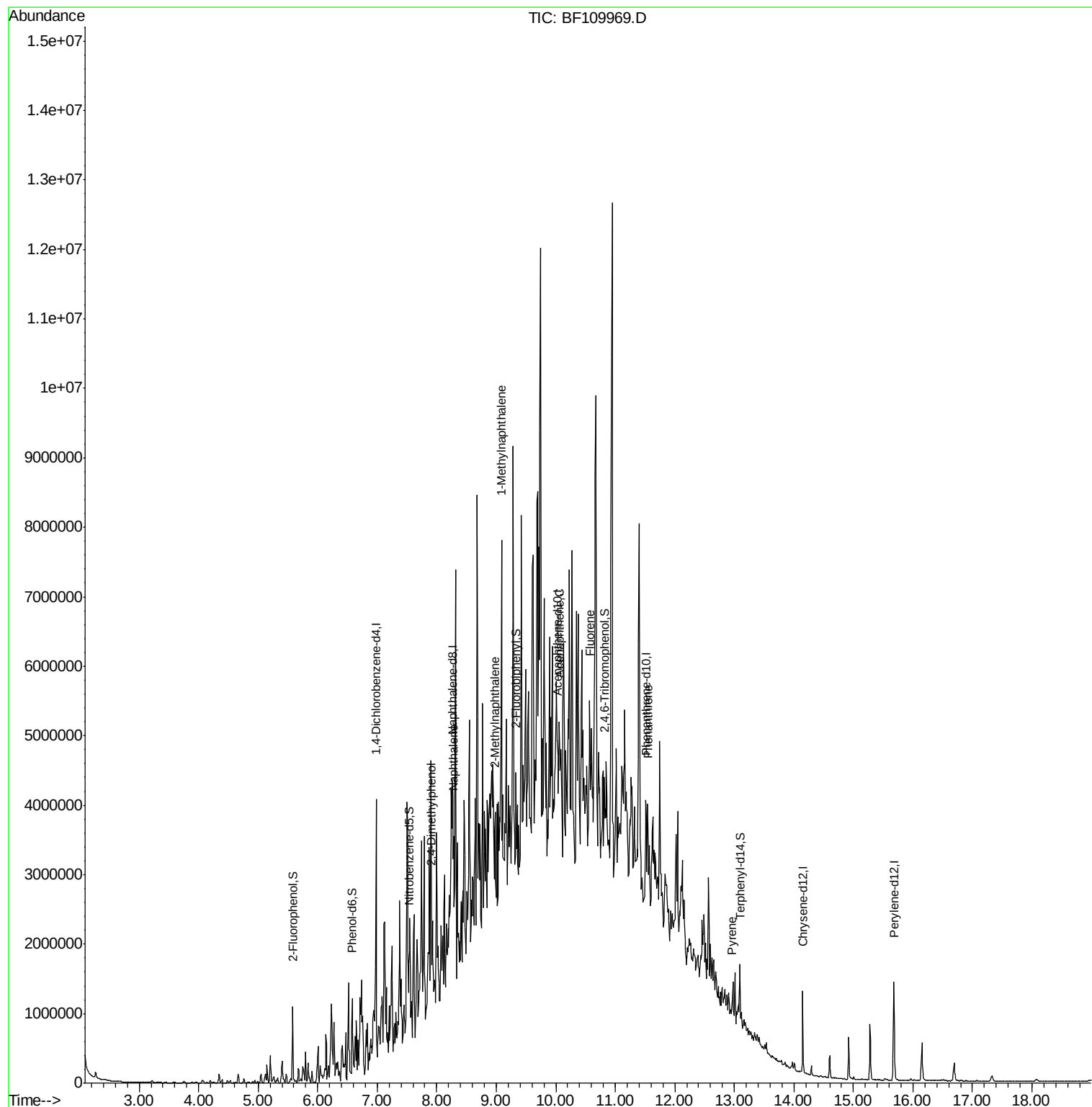
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	149207	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	542421	20.00	ng	0.00
39) Acenaphthene-d10	10.03	164	221939	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	381752	20.00	ng	0.00
76) Chrysene-d12	14.15	240	370951	20.00	ng	-0.01
87) Perylene-d12	15.67	264	386381	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	240936	25.60	ng	-0.02
7) Phenol-d6	6.58	99	307154	26.28	ng	-0.02
23) Nitrobenzene-d5	7.53	82	198264	24.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.82	330	45252	23.55	ng	0.00
45) 2-Fluorobiphenyl	9.34	172	255239	18.35	ng	0.00
79) Terphenyl-d14	13.09	244	242896	13.75	ng	-0.01
Target Compounds						
27) 2,4-Dimethylphenol	7.92	122	19660	2.580	ng	# 31
31) Naphthalene	8.29	128	291746	11.729	ng	# 89
37) 2-Methylnaphthalene	8.98	142	369919	22.967	ng	# 99
38) 1-Methylnaphthalene	9.08	142	989803	63.420	ng	# 100
52) Acenaphthene	10.06	154	105430	7.826	ng	# 65
58) Fluorene	10.57	166	217972	15.586	ng	# 90
71) Phenanthrene	11.55	178	530957	26.865	ng	# 95
78) Pyrene	12.96	202	113060	4.150	ng	# 93

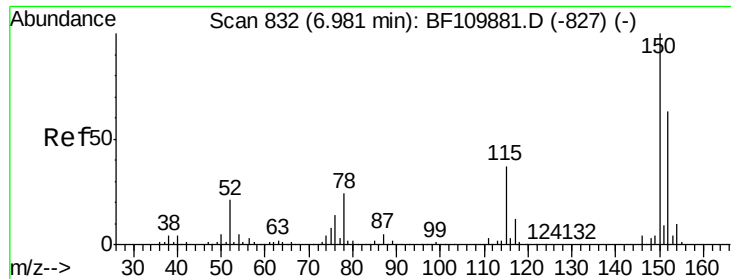
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1-6-8FTDL

Quant Time: Oct 19 04:23:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration



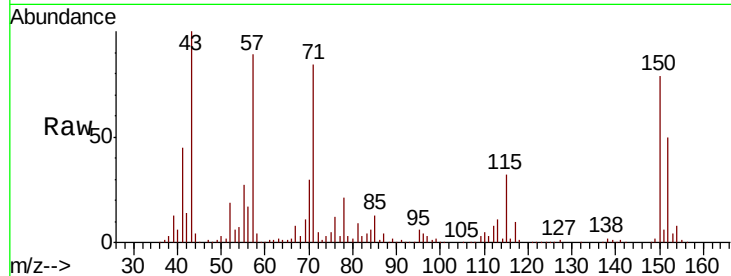


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109969.D
Acq: 18 Oct 2018 20:04

Instrument :
BNA_F
ClientSampleId :
SB-1-6-8FTDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	122.7	184.1
115	63.2	49.1	73.7

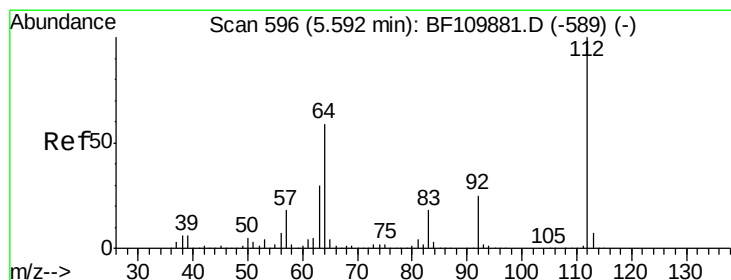
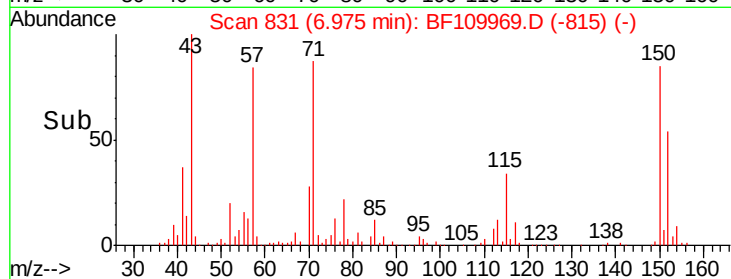
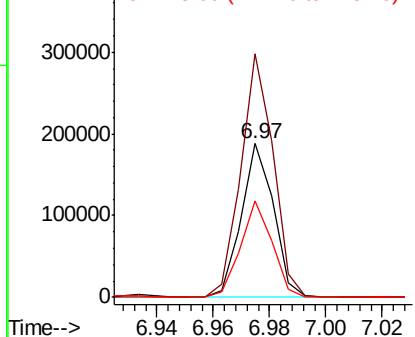


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

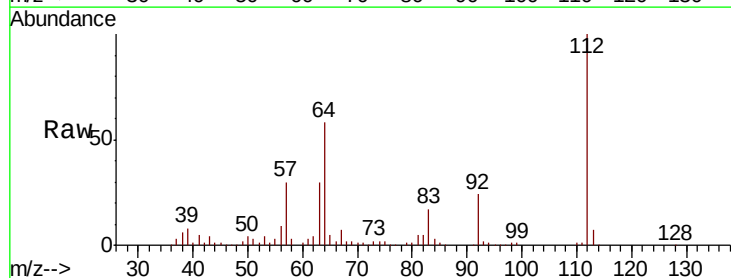
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.596 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF109969.D
Acq: 18 Oct 2018 20:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	30.3	23.7	35.5

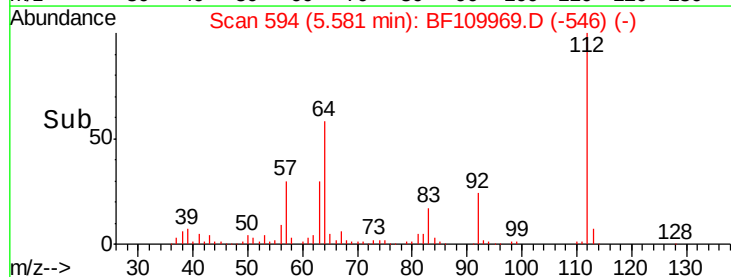
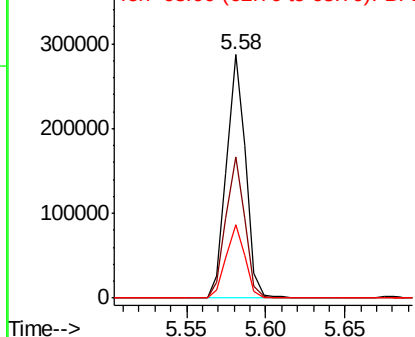


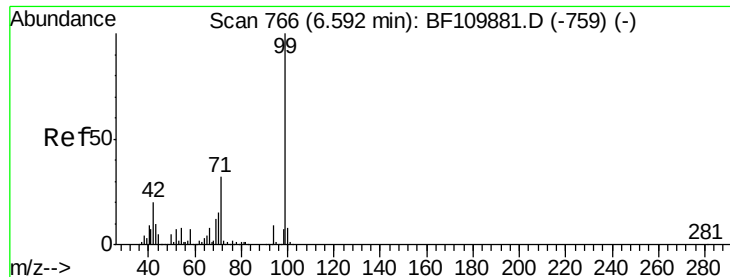
Abundance

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: 26.279 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF109969.D

Acq: 18 Oct 2018 20:04

Instrument :

BNA_F

ClientSampleId :

SB-1-6-8FTDL

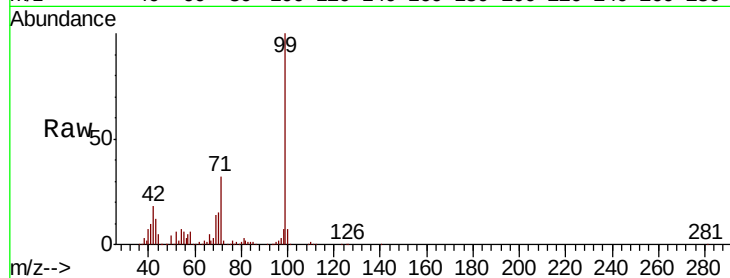
Tot Ion: 99 Resp: 307154

Ion Ratio Lower Upper

99 100

42 18.3 15.8 23.6

71 32.1 28.0 42.0

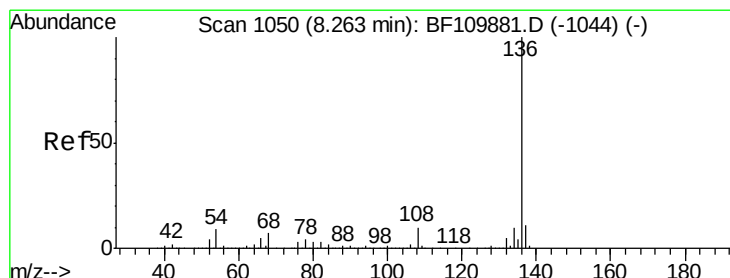
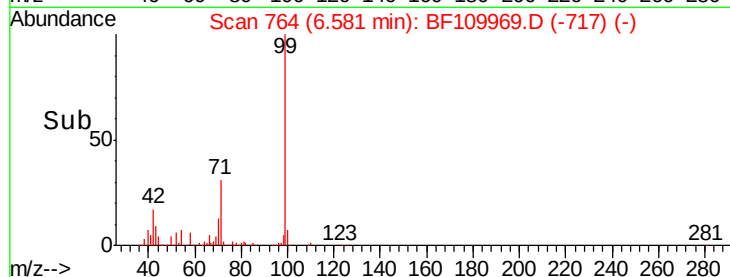
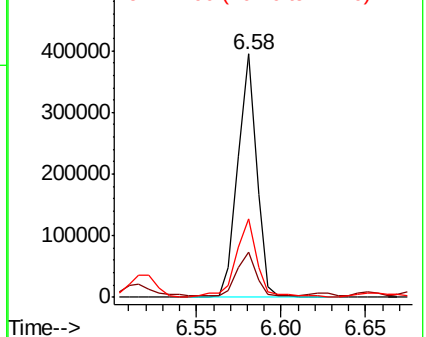


Abundance

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: 8.26 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF109969.D

Acq: 18 Oct 2018 20:04

Tgt Ion: 136 Resp: 542421

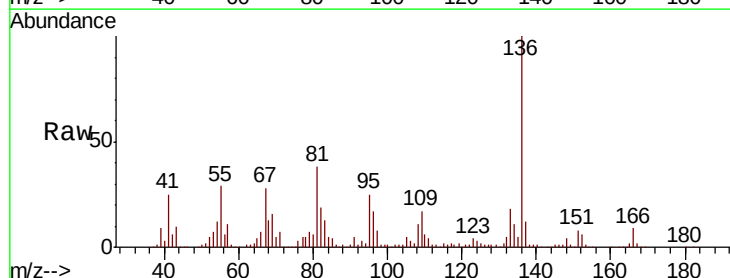
Ion Ratio Lower Upper

136 100

137 12.4 8.8 13.2

54 12.4 5.4 8.2#

68 12.8 4.2 6.2#



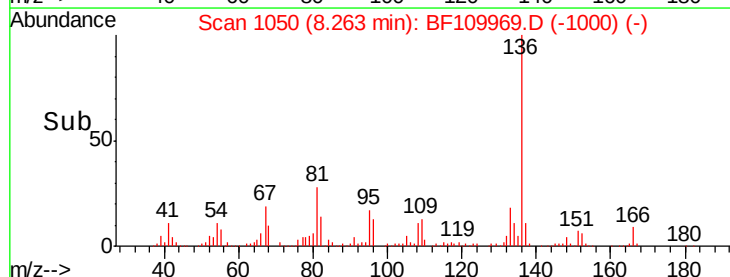
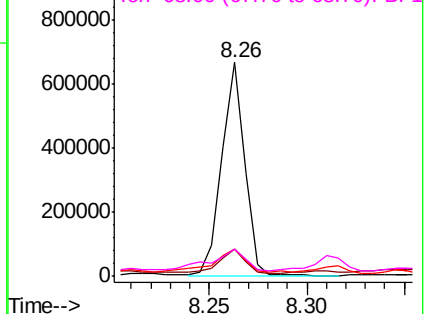
Abundance

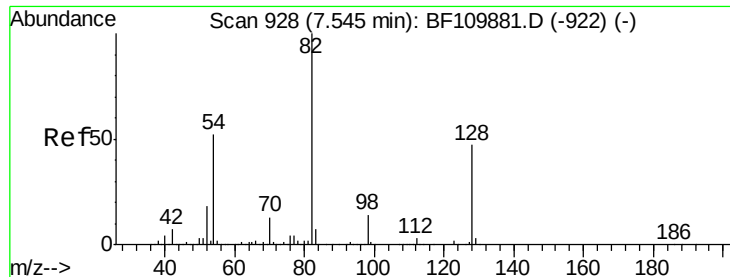
Ion 136.00 (135.70 to 136.70): E

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

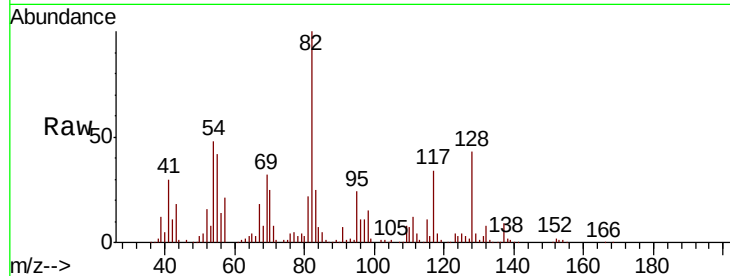




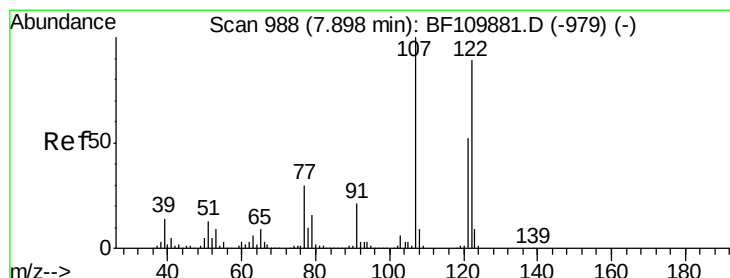
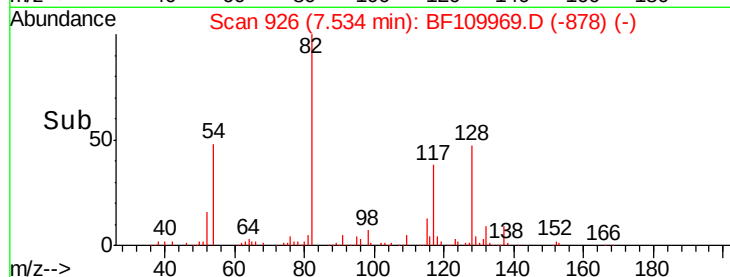
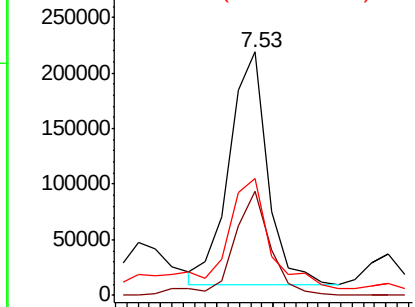
#23
 Nitrobenzene-d5
 Concen: 24.623 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: BF109969.D
 Acq: 18 Oct 2018 20:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-6-8FTDL

Tot Ion	82	Resp	198264
Ion Ratio	Lower	Upper	
82	100		
128	42.6	34.2	51.2
54	48.1	38.6	58.0

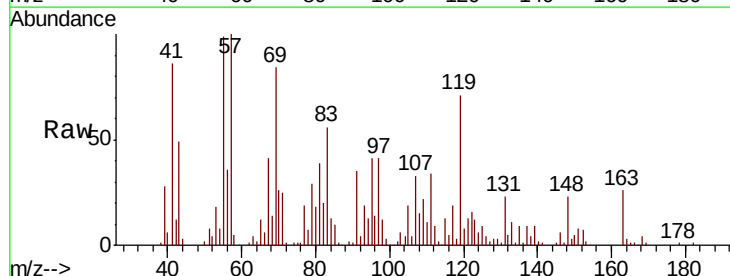


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

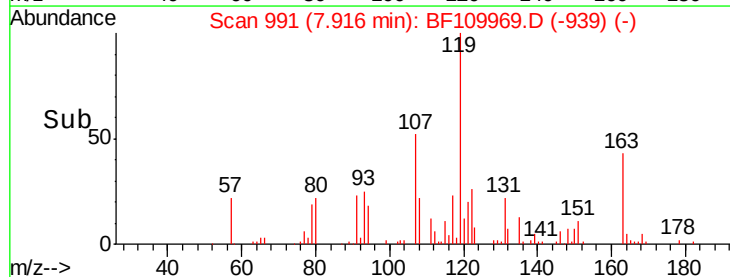
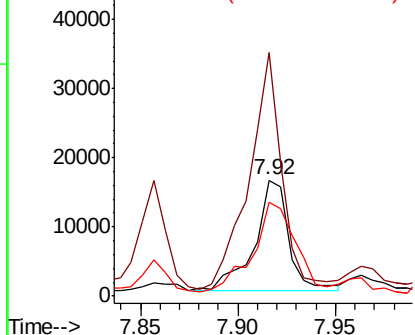


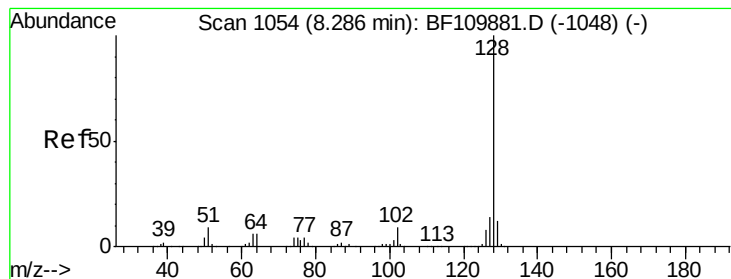
#27
 2,4-Dimethylphenol
 Concen: 2.580 ng
 RT: 7.92 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: BF109969.D
 Acq: 18 Oct 2018 20:04

Tgt Ion	122	Resp	19660
Ion Ratio	Lower	Upper	
122	100		
107	210.2	92.5	138.7#
121	81.3	45.8	68.8#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 11.729 ng

RT: 8.29 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF109969.D

Acq: 18 Oct 2018 20:04

Instrument :

BNA_F

ClientSampleId :

SB-1-6-8FTDL

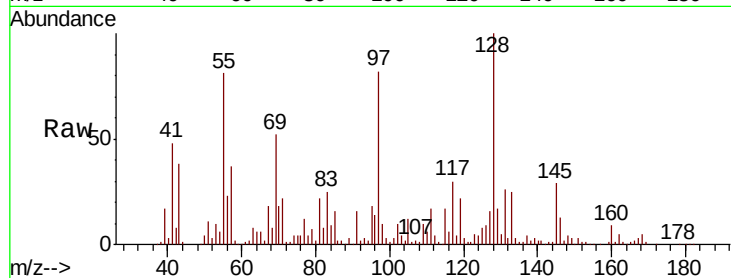
Tot Ion:128 Resp: 291746

Ion Ratio Lower Upper

128 100

129 16.9 8.8 13.2#

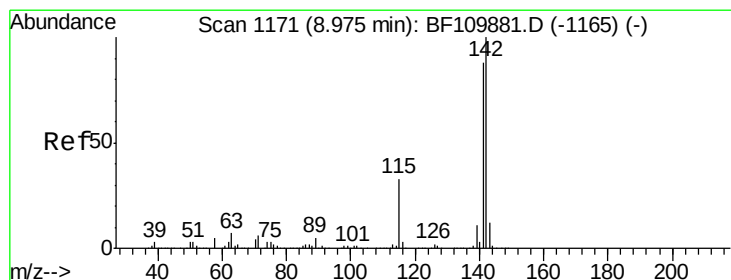
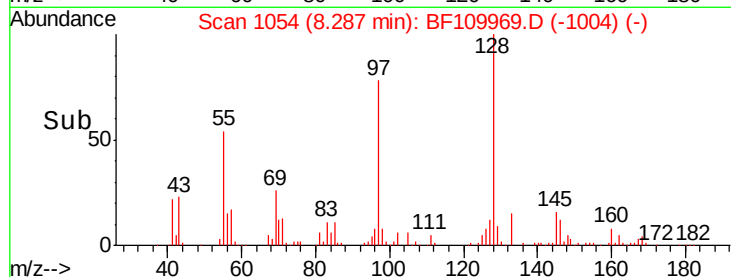
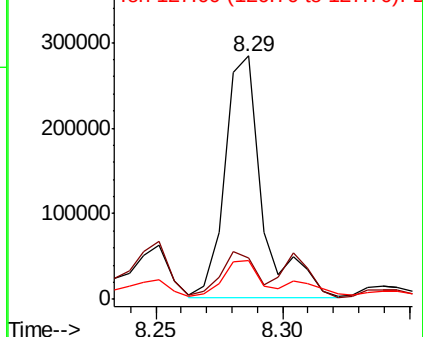
127 16.2 10.8 16.2



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: 22.967 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF109969.D

Acq: 18 Oct 2018 20:04

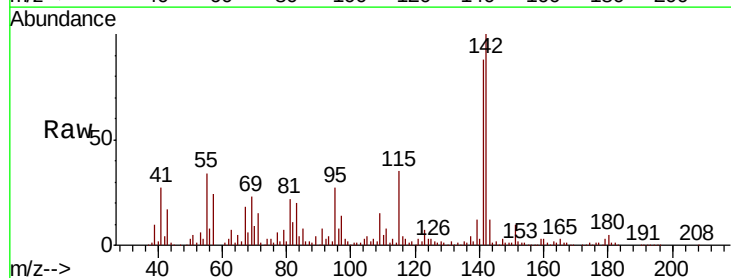
Tgt Ion:142 Resp: 369919

Ion Ratio Lower Upper

142 100

141 88.1 71.4 107.2

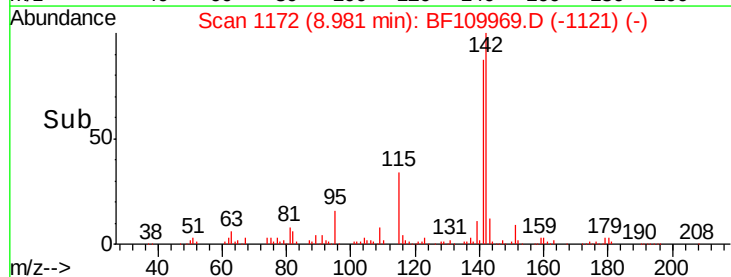
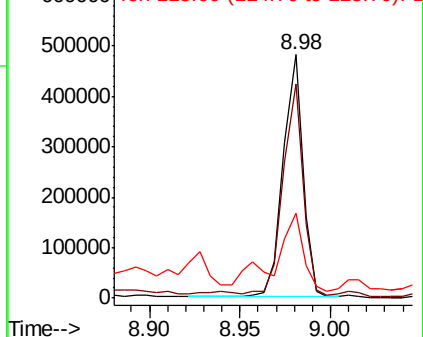
115 34.9 28.7 43.1

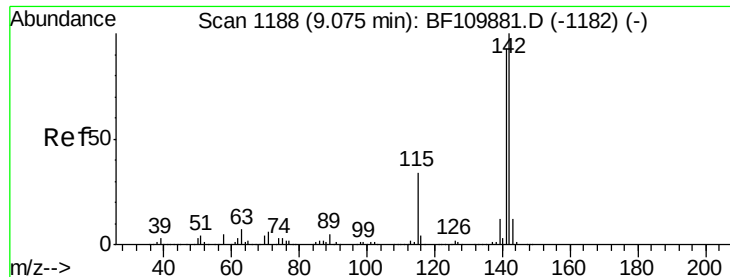


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

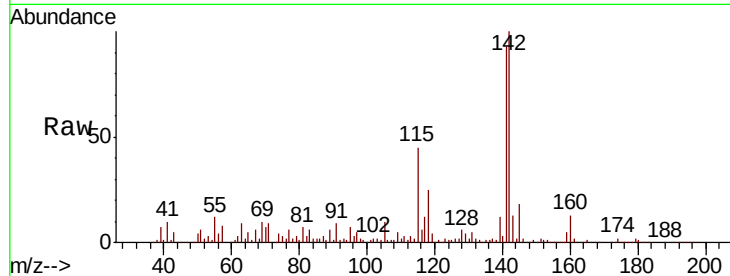




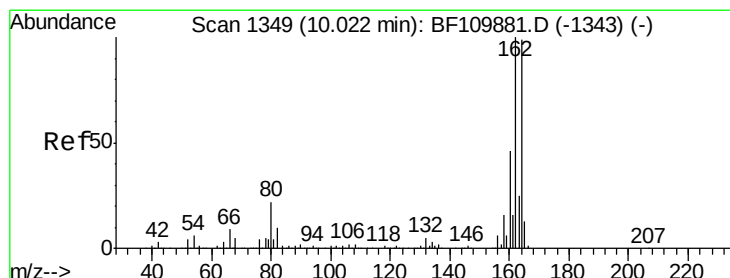
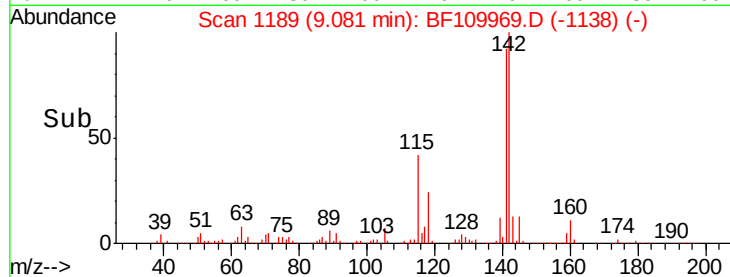
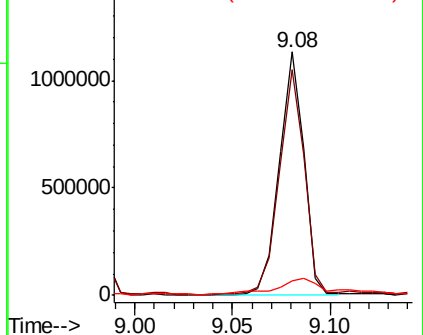
#38
1-Methylnaphthalene
Concen: 63.420 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF109969.D
Acq: 18 Oct 2018 20:04

Instrument :
BNA_F
ClientSampleId :
SB-1-6-8FTDL

Tot Ion:142 Resp: 989803
Ion Ratio Lower Upper
142 100
141 92.6 74.2 111.4
116 6.2 2.6 4.0#

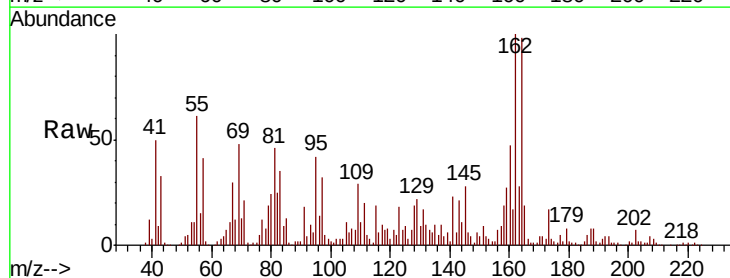


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

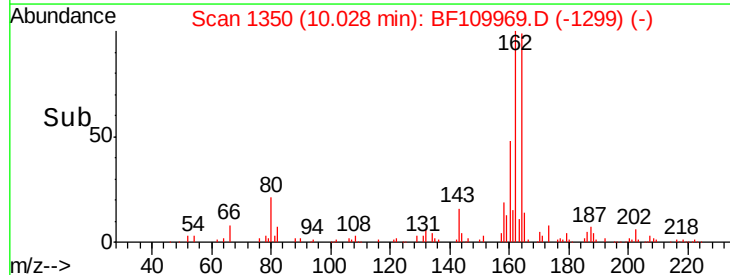
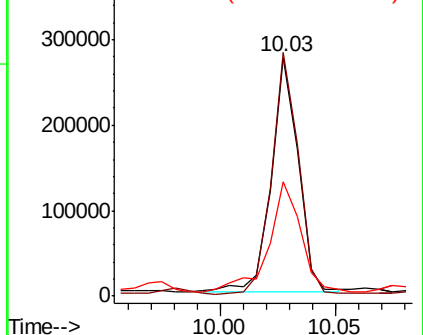


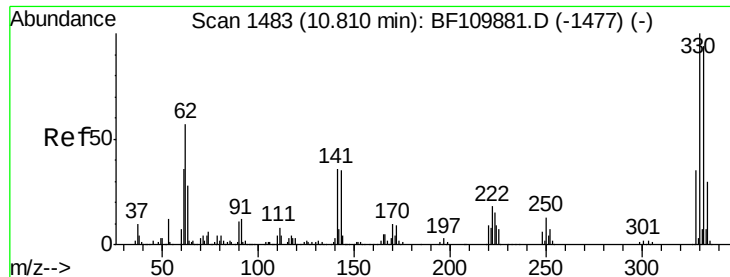
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.00 min
Lab File: BF109969.D
Acq: 18 Oct 2018 20:04

Tgt Ion:164 Resp: 221939
Ion Ratio Lower Upper
164 100
162 102.0 83.0 124.6
160 48.2 37.0 55.6



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

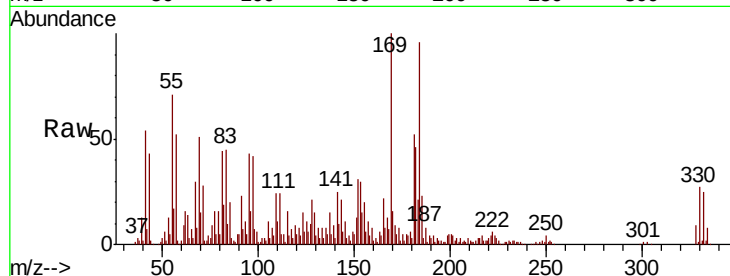




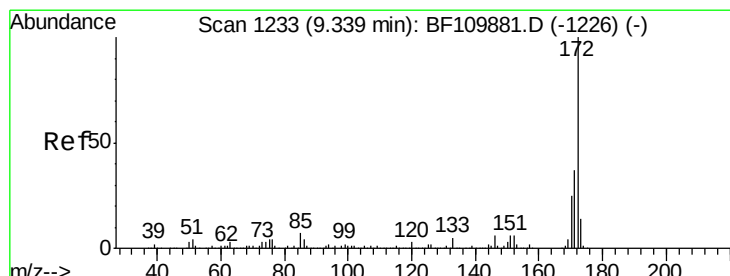
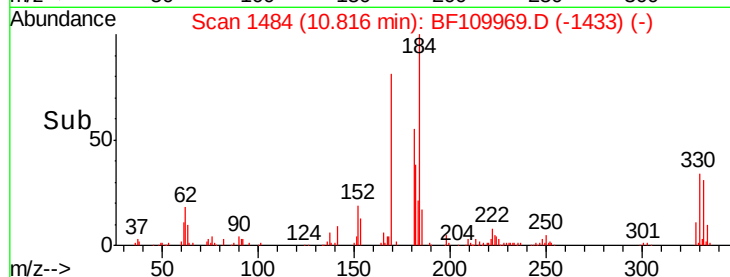
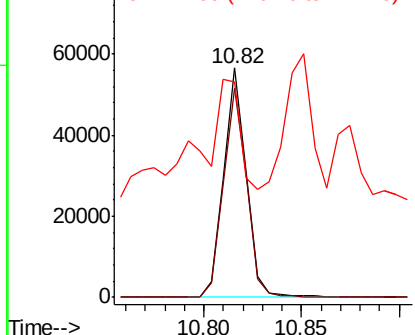
#42
 2,4,6-Tribromophenol
 Concen: 23.550 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: BF109969.D
 Acq: 18 Oct 2018 20:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-6-8FTDL

Tot Ion:330 Resp: 45252
 Ion Ratio Lower Upper
 330 100
 332 93.3 77.1 115.7
 141 101.3 27.0 40.4#

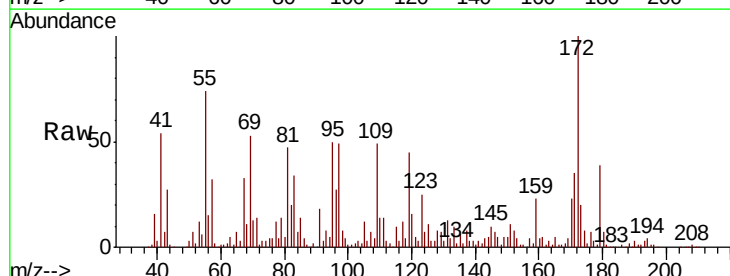


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

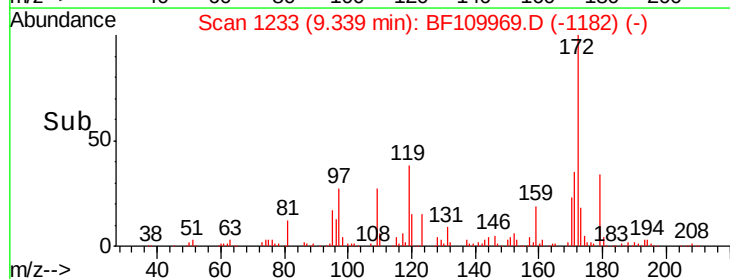
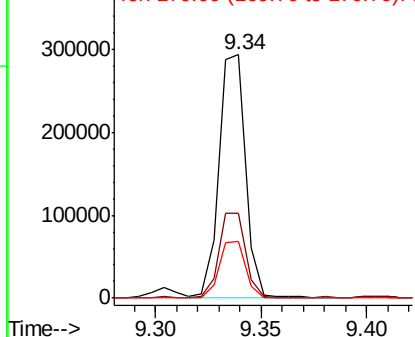


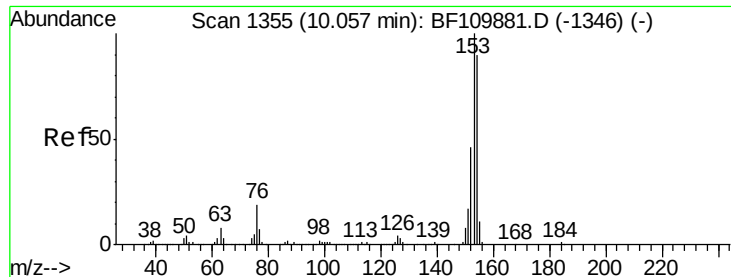
#45
 2-Fluorobiphenyl
 Concen: 18.351 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: BF109969.D
 Acq: 18 Oct 2018 20:04

Tgt Ion:172 Resp: 255239
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 43.0
 170 23.5 19.7 29.5



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





#52

Acenaphthene

Concen: 7.826 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BF109969.D

Acq: 18 Oct 2018 20:04

Instrument :

BNA_F

ClientSampleId :

SB-1-6-8FTDL

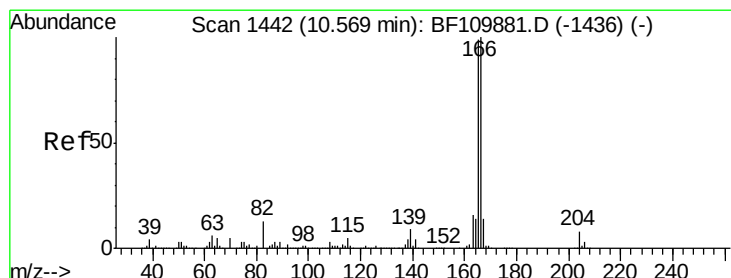
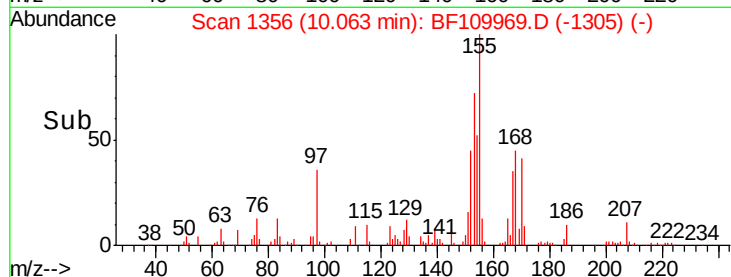
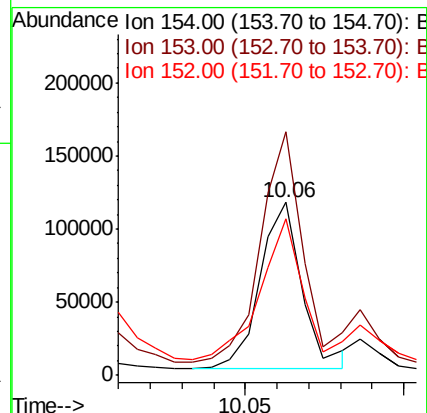
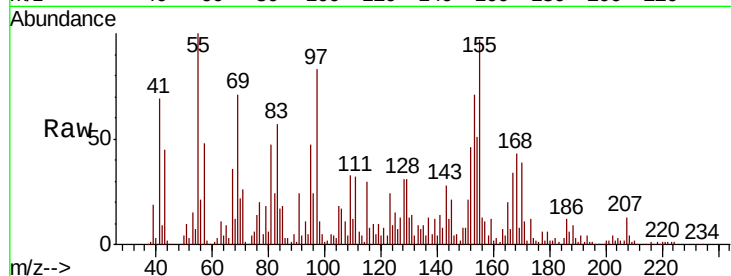
Tot Ion:154 Resp: 105430

Ion Ratio Lower Upper

154 100

153 141.0 90.1 135.1#

152 91.0 43.4 65.2#



#58

Fluorene

Concen: 15.586 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.00 min

Lab File: BF109969.D

Acq: 18 Oct 2018 20:04

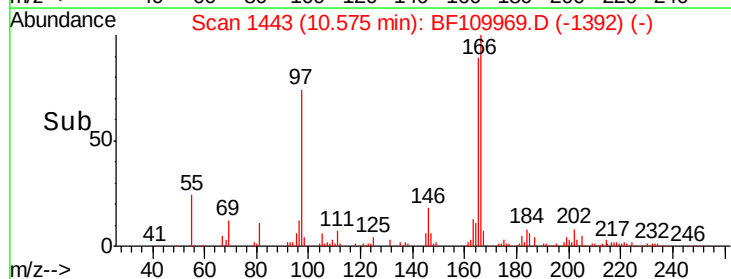
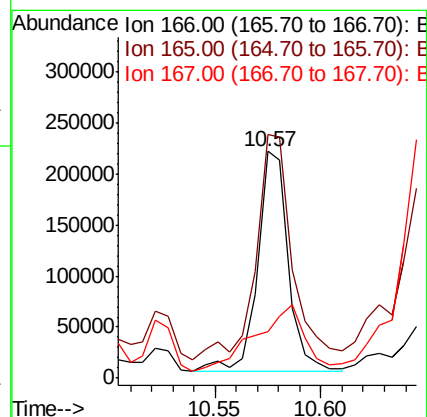
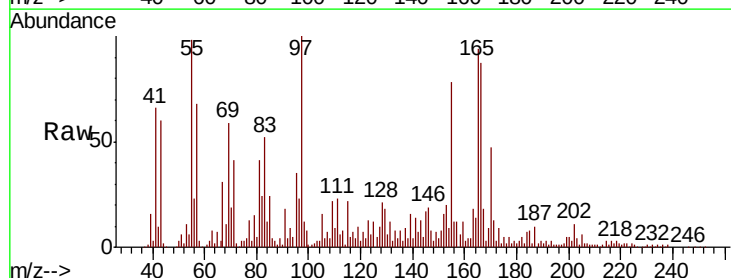
Tgt Ion:166 Resp: 217972

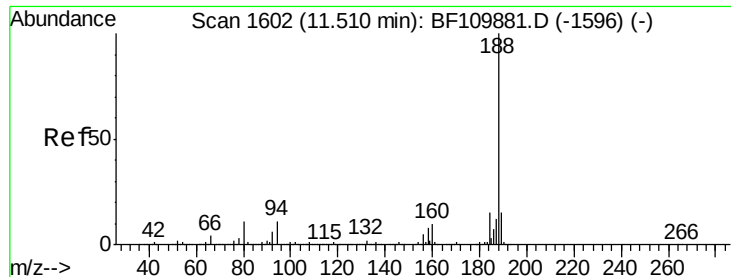
Ion Ratio Lower Upper

166 100

165 107.6 78.6 117.8

167 20.7 10.8 16.2#

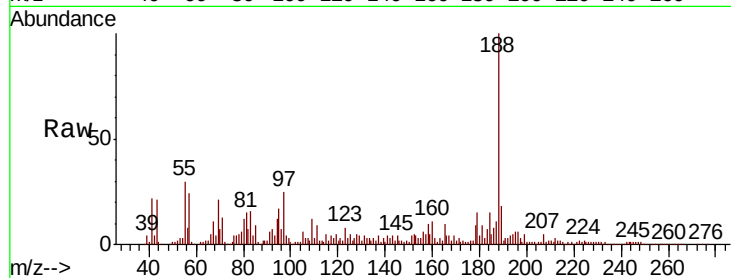




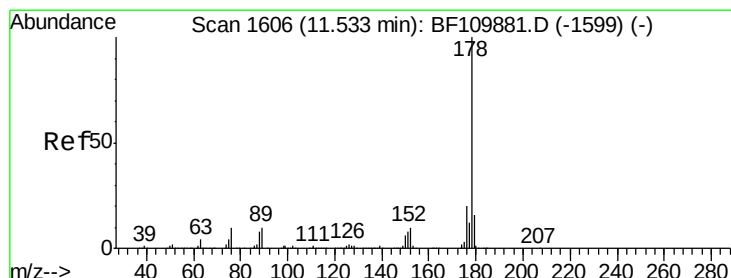
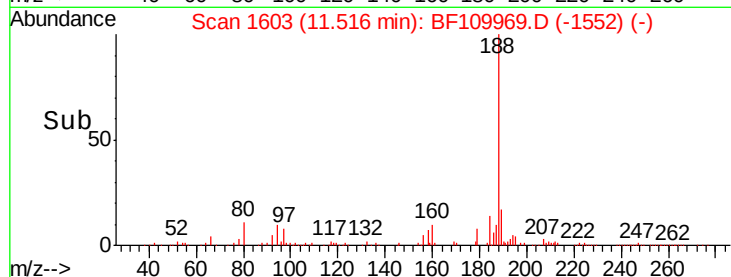
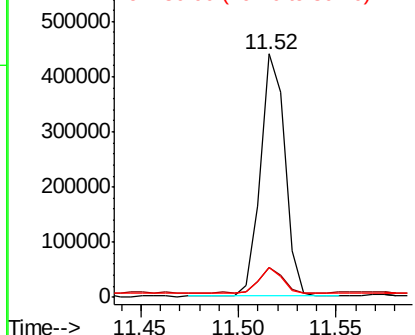
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BF109969.D
Acq: 18 Oct 2018 20:04

Instrument :
BNA_F
ClientSampleId :
SB-1-6-8FTDL

Tot Ion:188 Resp: 381752
Ion Ratio Lower Upper
188 100
94 12.1 7.2 10.8#
80 12.5 7.9 11.9#

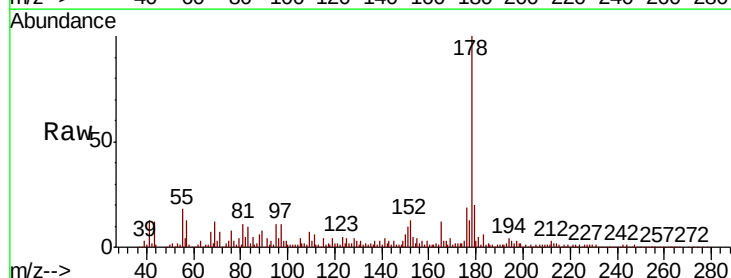


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

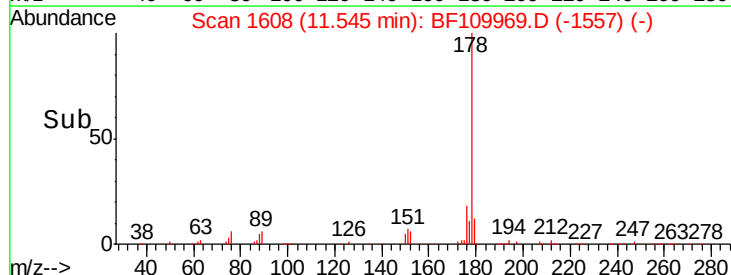
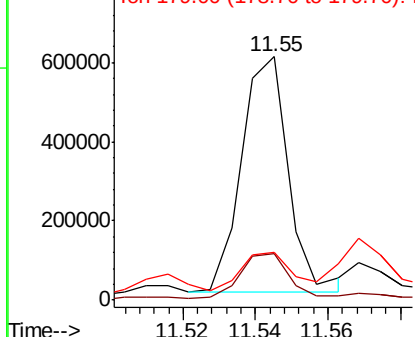


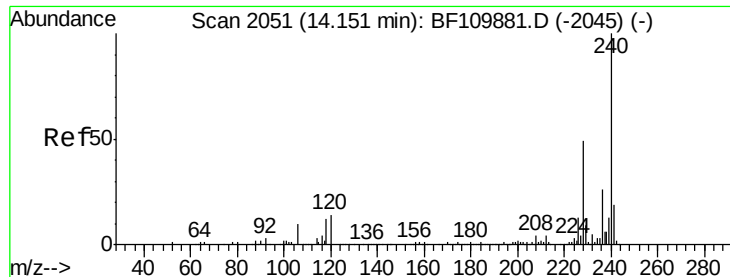
#71
Phenanthrene
Concen: 26.865 ng
RT: 11.55 min Scan# 1608
Delta R.T. -0.00 min
Lab File: BF109969.D
Acq: 18 Oct 2018 20:04

Tgt Ion:178 Resp: 530957
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 19.6 12.5 18.7#



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

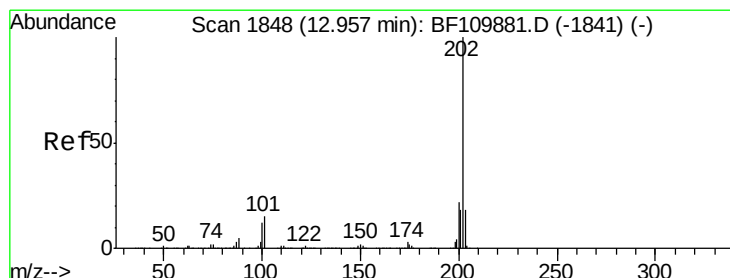
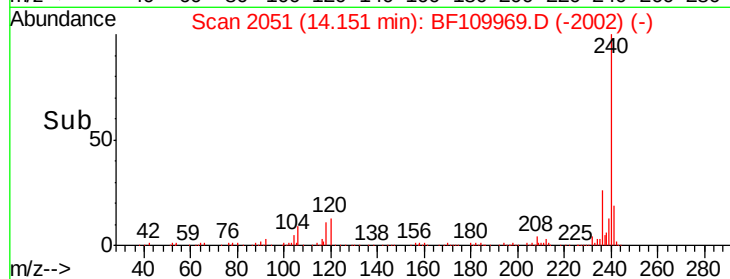
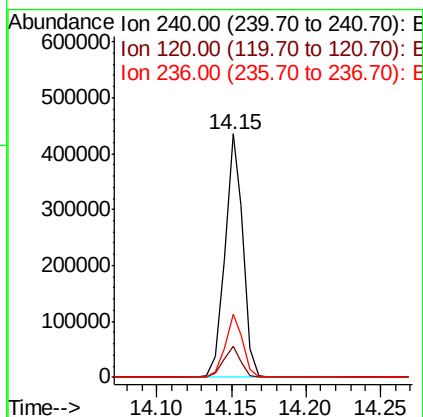
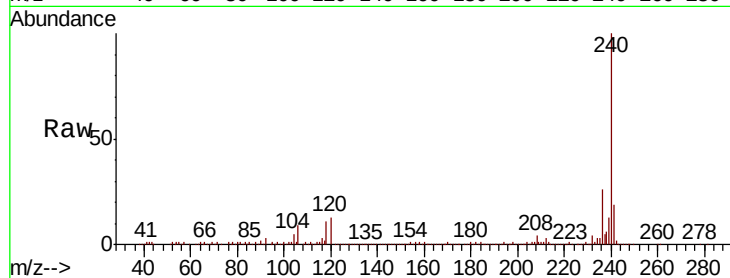




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF109969.D
Acq: 18 Oct 2018 20:04

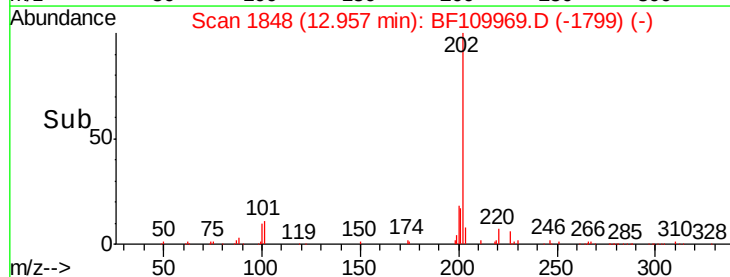
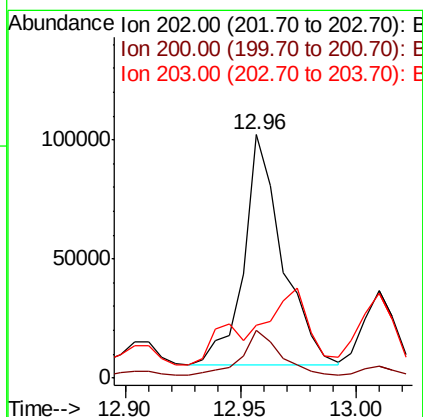
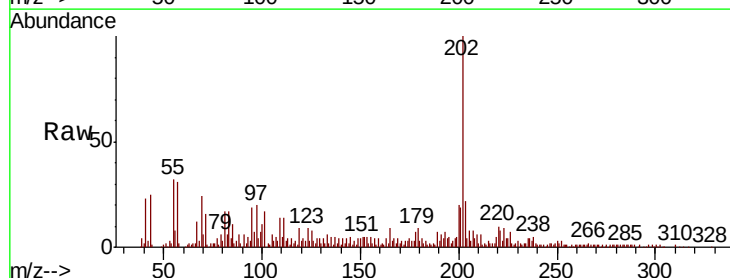
Instrument :
BNA_F
ClientSampleId :
SB-1-6-8FTDL

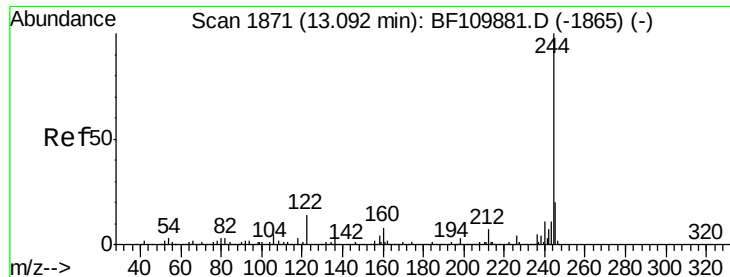
Tot Ion:240 Resp: 370951
Ion Ratio Lower Upper
240 100
120 13.0 8.3 12.5#
236 25.8 21.2 31.8



#78
Pyrene
Concen: 4.150 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF109969.D
Acq: 18 Oct 2018 20:04

Tgt Ion:202 Resp: 113060
Ion Ratio Lower Upper
202 100
200 19.8 17.8 26.6
203 21.6 14.2 21.4#

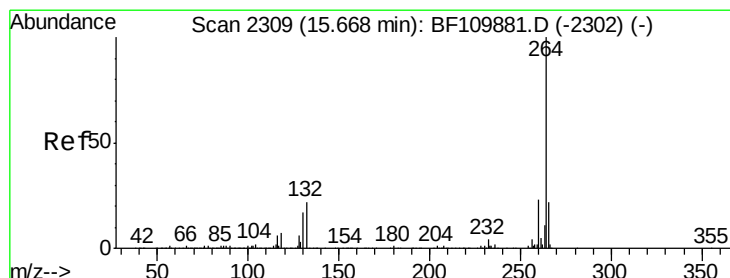
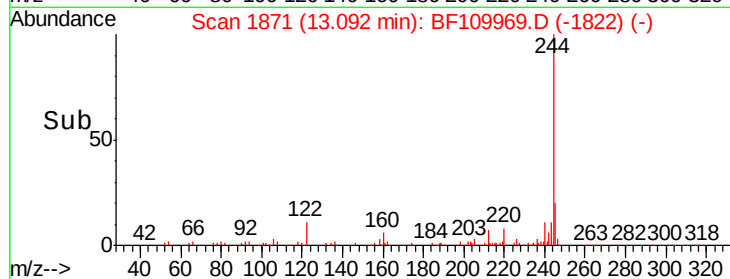
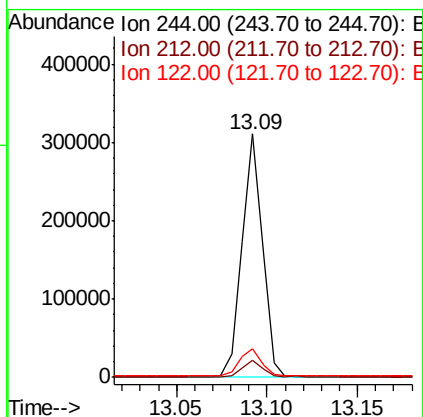
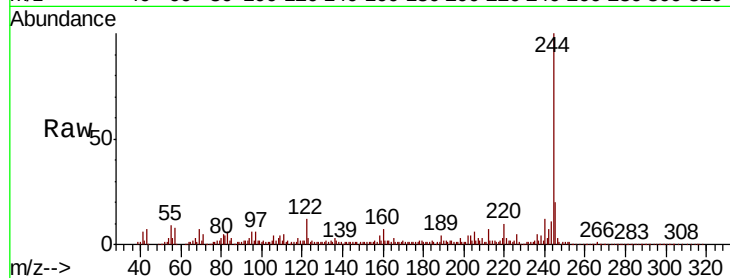




#79
 Terphenyl-d14
 Concen: 13.750 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF109969.D
 Acq: 18 Oct 2018 20:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-6-8FTDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.6	8.7	13.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2310
 Delta R.T. -0.02 min
 Lab File: BF109969.D
 Acq: 18 Oct 2018 20:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.7	28.1
265	22.3	16.7	25.1

