

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
 Data File : BF109970.D
 Acq On : 18 Oct 2018 20:31
 Operator : JU/SJ
 Sample : J5571-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 02:24:51 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	217848	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	834744	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	376476	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	643705	20.00	ng	0.00
76) Chrysene-d12	14.16	240	408092	20.00	ng	0.00
87) Perylene-d12	15.68	264	397484	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	675141	49.13	ng	0.00
7) Phenol-d6	6.59	99	529201	31.01	ng	-0.02
23) Nitrobenzene-d5	7.54	82	1186296	95.73	ng	-0.01
42) 2,4,6-Tribromophenol	10.82	330	425081	130.42	ng	0.00
45) 2-Fluorobiphenyl	9.34	172	2040521	86.49	ng	0.00
79) Terphenyl-d14	13.10	244	1609049	82.80	ng	0.00

Target Compounds

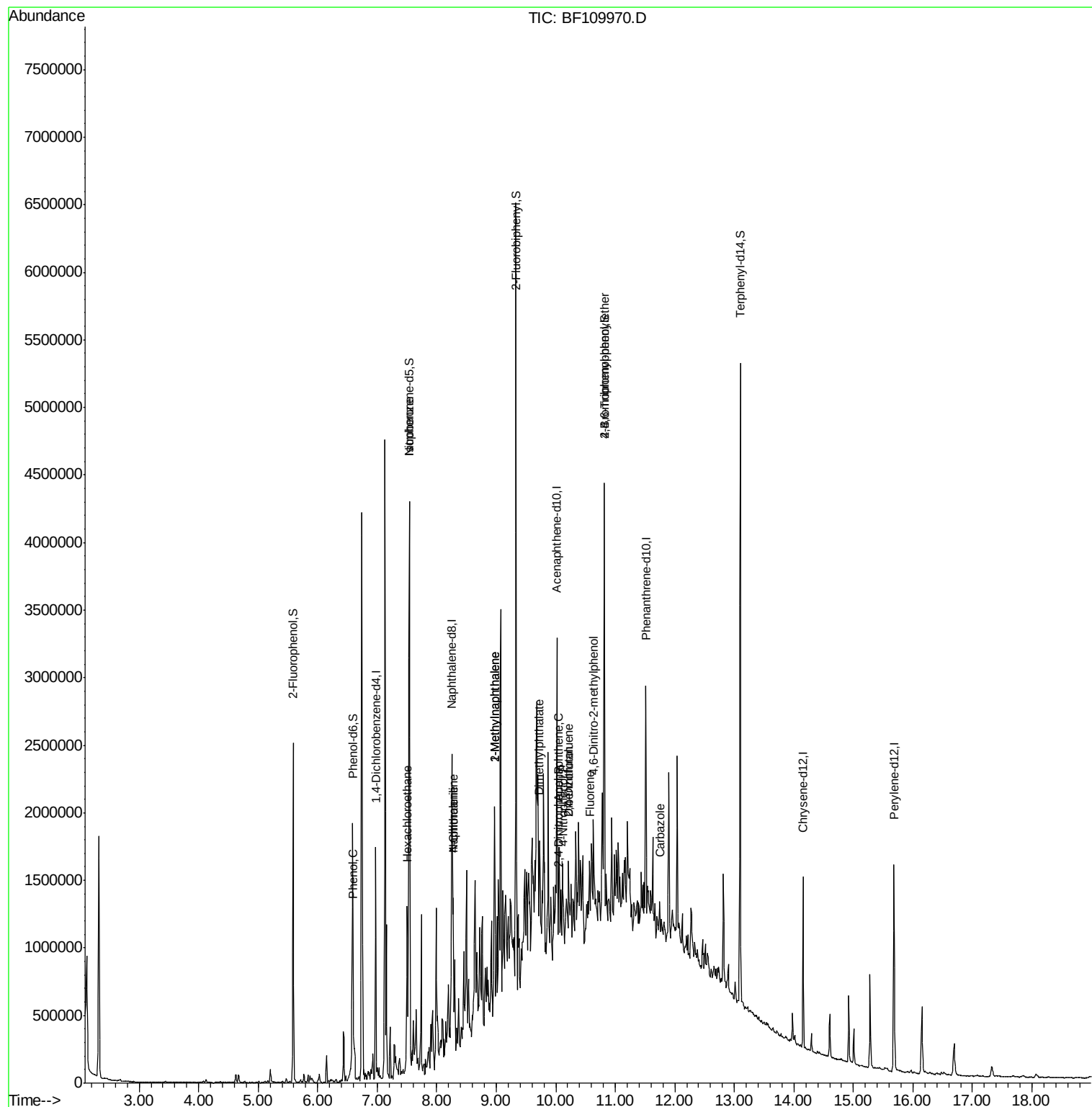
						Qvalue
10) Phenol	6.60	94	87511	4.750	ng	# 60
18) Hexachloroethane	7.50	117	101139	16.835	ng	# 1
25) Isophorone	7.54	82	1180943	48.502	ng	# 67
31) Naphthalene	8.28	128	335843	8.774	ng	# 98
33) 4-Chloroaniline	8.28	127	56890	3.306	ng	# 38
37) 2-Methylnaphthalene	8.97	142	377456	15.228	ng	# 98
38) 1-Methylnaphthalene	8.97	142	377456	15.716	ng	# 96
50) Dimethylphthalate	9.73	163	104559	3.922	ng	# 94
52) Acenaphthene	10.05	154	84910	3.716	ng	# 93
54) 2,4-Dinitrophenol	10.04	184	757	9.326	ng	# 1
55) Dibenzofuran	10.22	168	87607	2.688	ng	# 89
56) 4-Nitrophenol	10.13	139	11211	2.386	ng	# 1
57) 2,4-Dinitrotoluene	10.22	165	4189	5.175	ng	# 57
58) Fluorene	10.57	166	139030	5.860	ng	# 99
65) 4,6-Dinitro-2-methylphenol	10.63	198	2706	8.874	ng	# 1
67) 4-Bromophenyl-phenylether	10.82	248	27456	3.936	ng	# 1
73) Carbazole	11.74	167	78359	2.380	ng	# 96

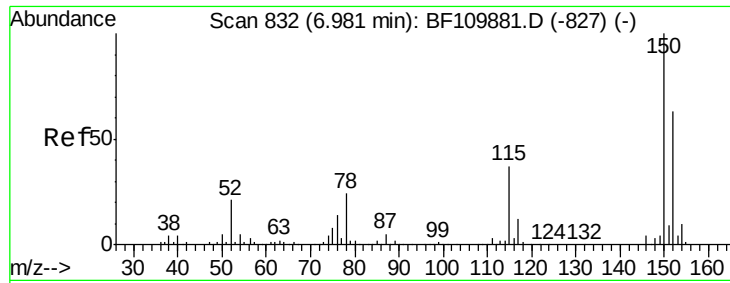
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
ClientSampleId :

Quant Time: Oct 19 02:24:51 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



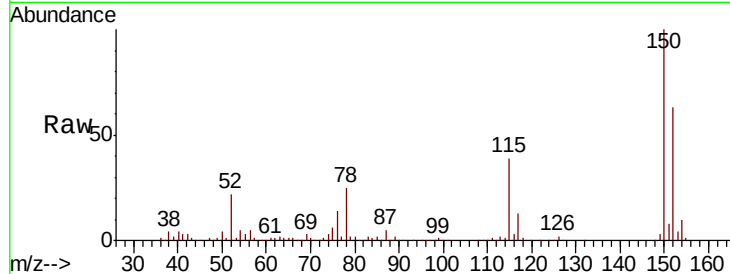


#1

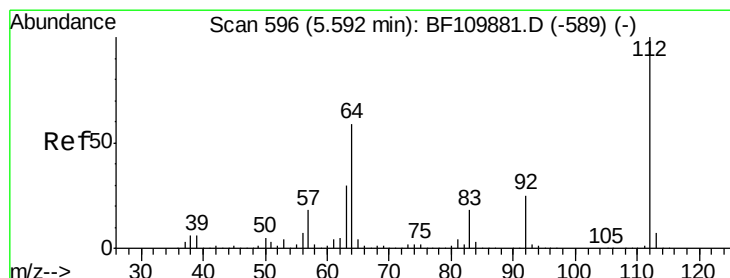
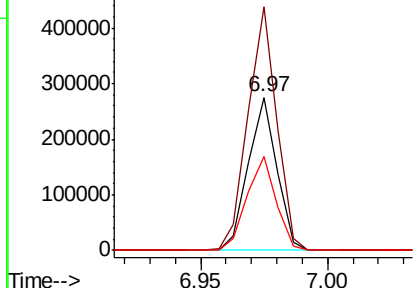
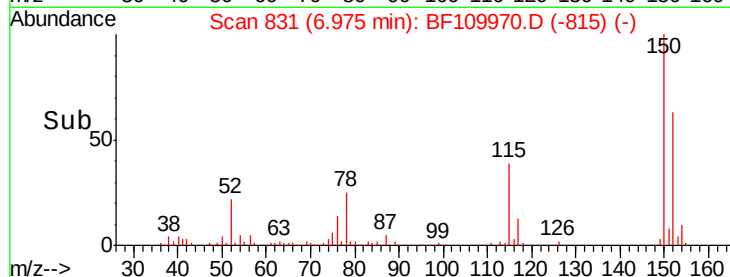
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 217848
Ion Ratio Lower Upper
152 100
150 159.0 122.7 184.1
115 61.4 49.1 73.7



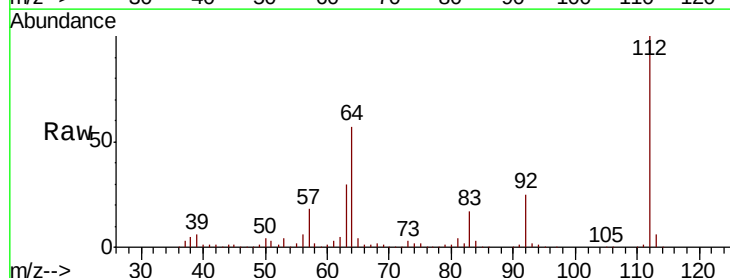
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



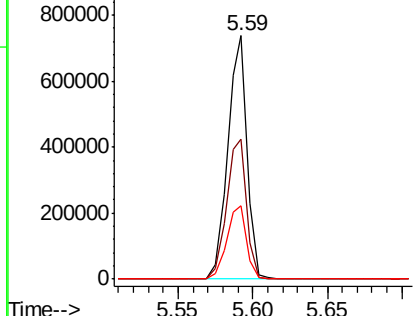
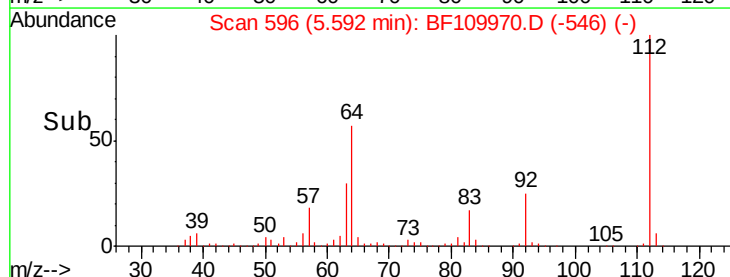
#5

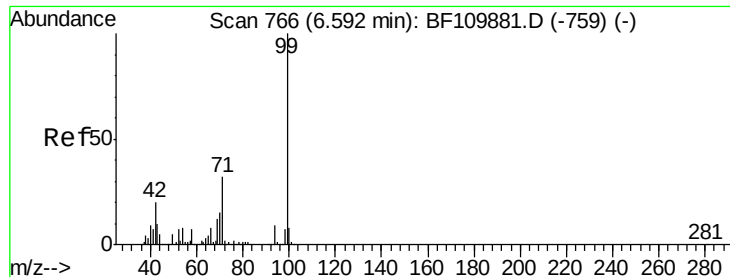
2-Fluorophenol
Concen: 49.126 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Tgt Ion:112 Resp: 675141
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 30.2 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: 31.010 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

Instrument :

BNA_F

ClientSampleId :

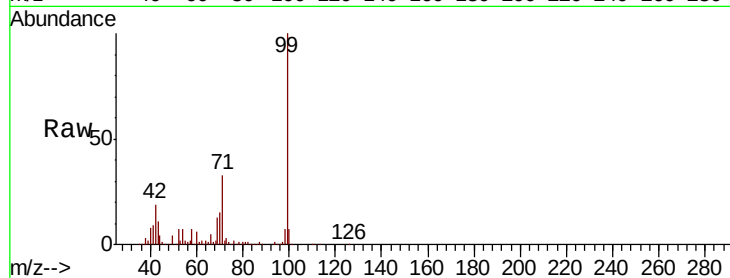
Tot Ion: 99 Resp: 529201

Ion Ratio Lower Upper

99 100

42 19.3 15.8 23.6

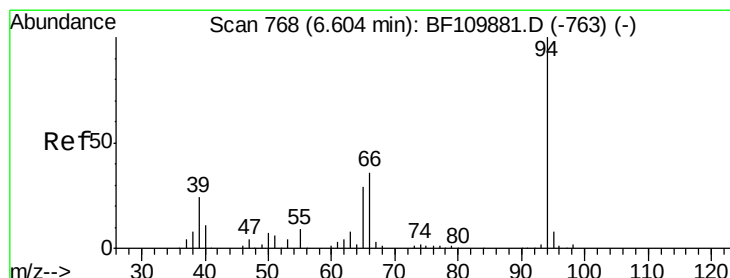
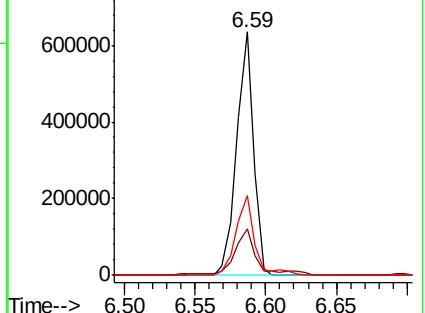
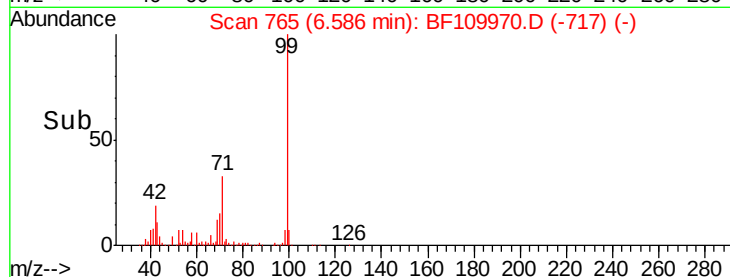
71 33.0 28.0 42.0



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



#10

Phenol

Concen: 4.750 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

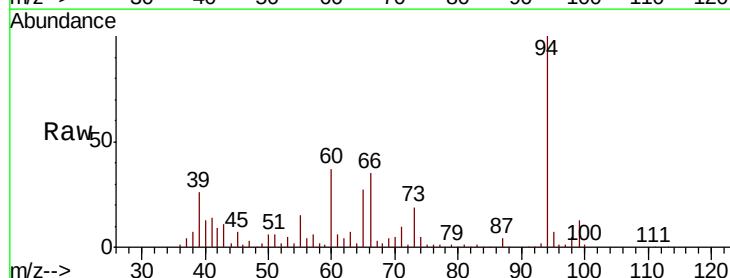
Tgt Ion: 94 Resp: 87511

Ion Ratio Lower Upper

94 100

65 26.9 25.3 65.3

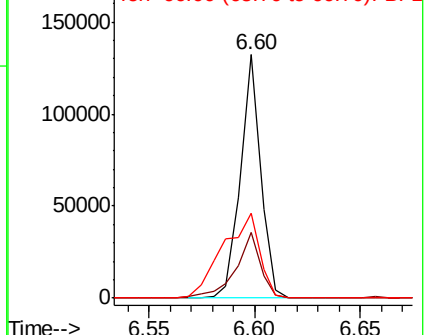
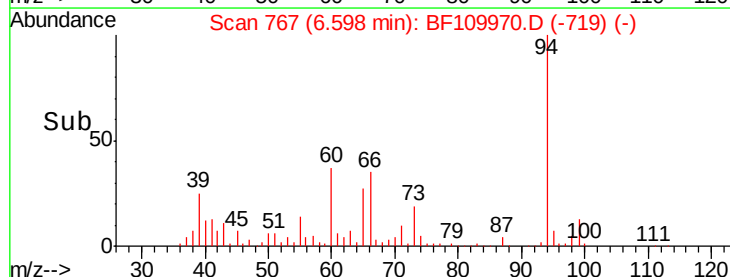
66 34.9 54.5 94.5#

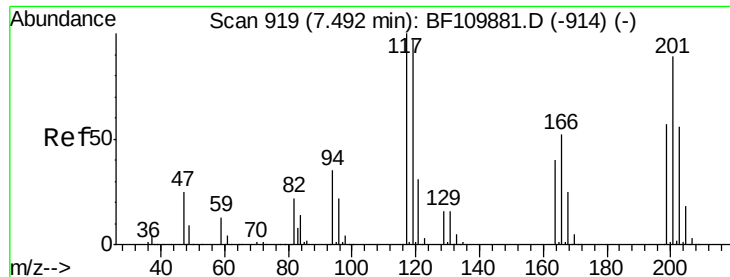


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

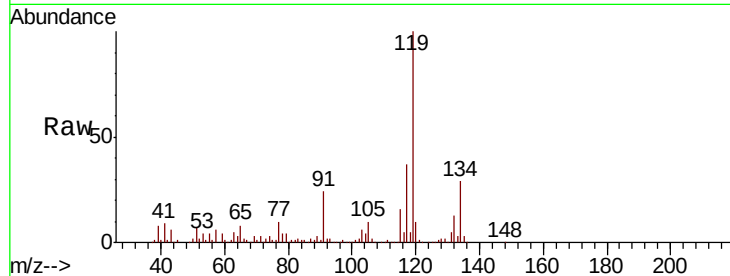




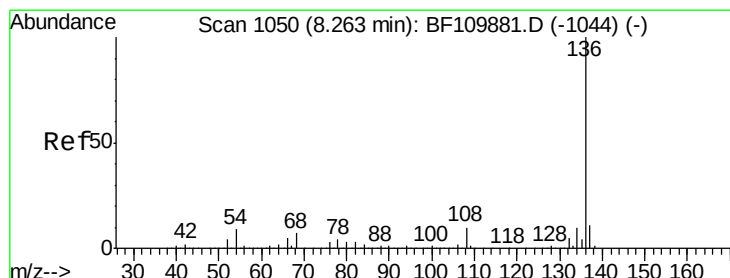
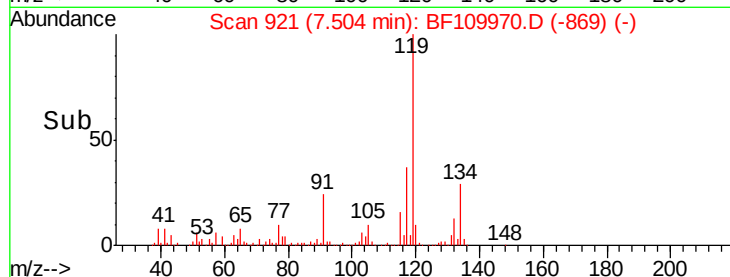
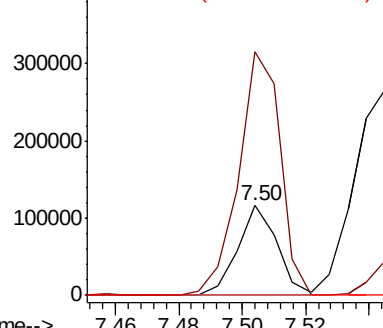
#18
Hexachloroethane
Concen: 16.835 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 101139
Ion Ratio Lower Upper
117 100
119 270.9 75.0 112.6#
201 0.0 79.2 118.8#

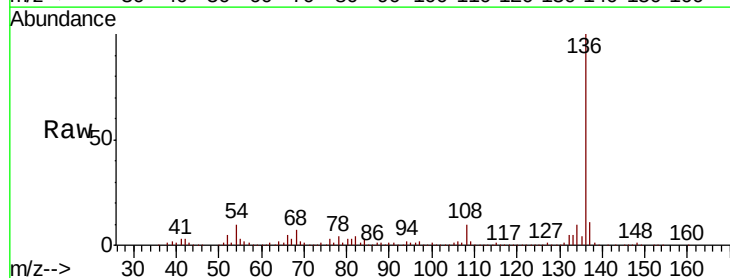


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

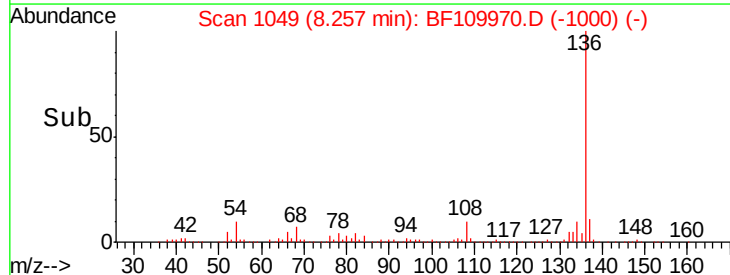
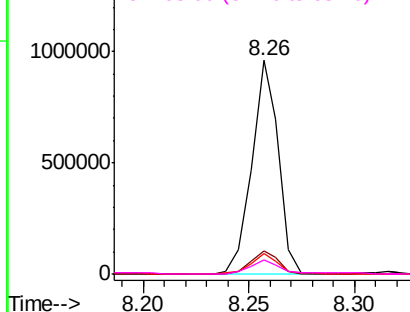


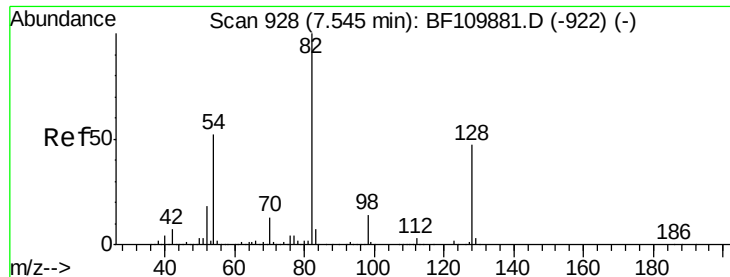
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Tgt Ion:136 Resp: 834744
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.7 5.4 8.2#
68 6.8 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

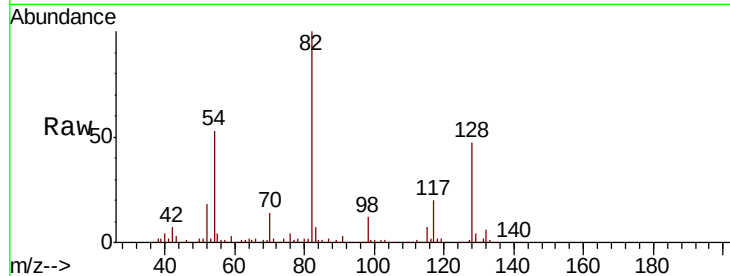




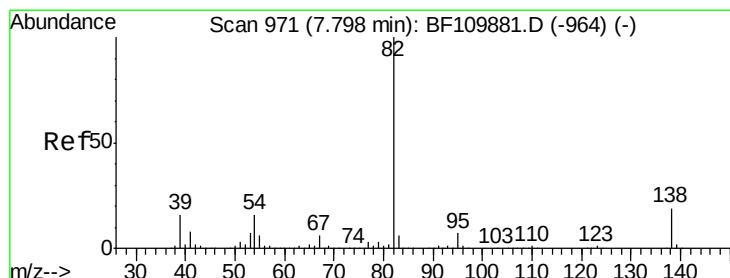
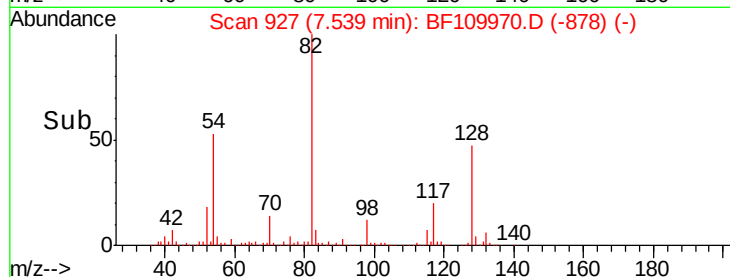
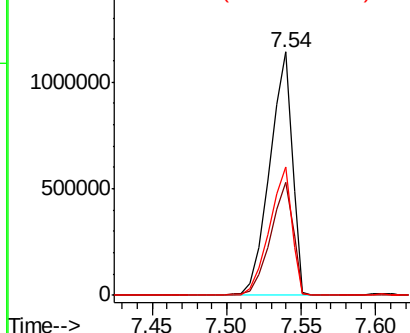
#23
Nitrobenzene-d5
Concen: 95.734 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1186296
Ion Ratio Lower Upper
82 100
128 46.5 34.2 51.2
54 52.8 38.6 58.0

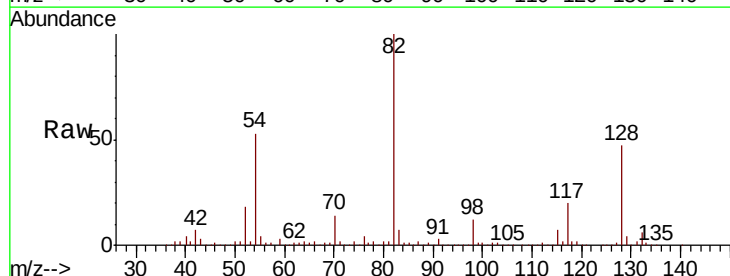


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

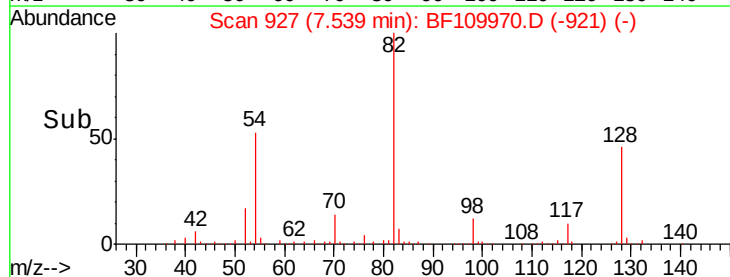
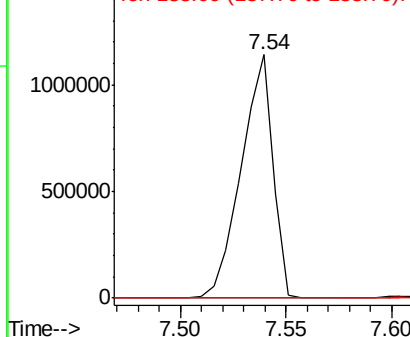


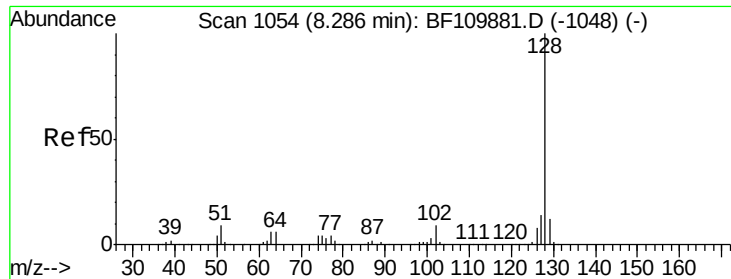
#25
Isophorone
Concen: 48.502 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.26 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Tgt Ion: 82 Resp: 1180943
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.2 19.8#



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

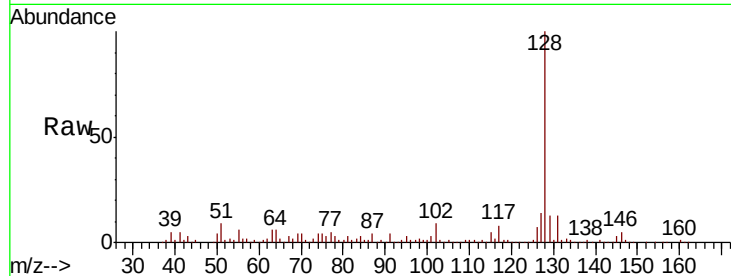




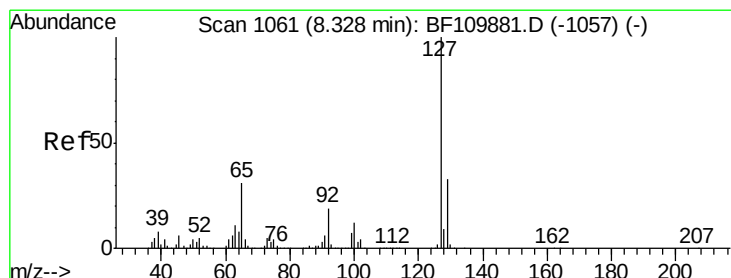
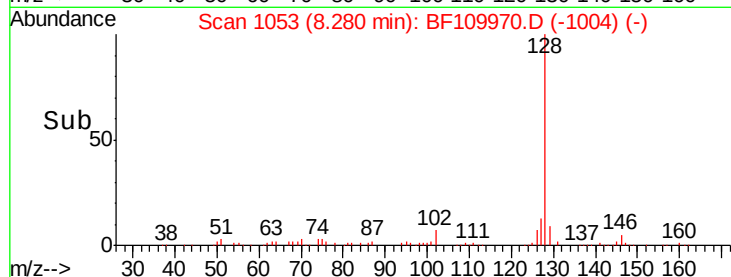
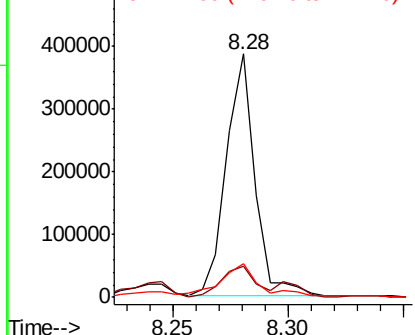
#31
Naphthalene
Concen: 8.774 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 335843
Ion Ratio Lower Upper
128 100
129 12.5 8.8 13.2
127 13.9 10.8 16.2

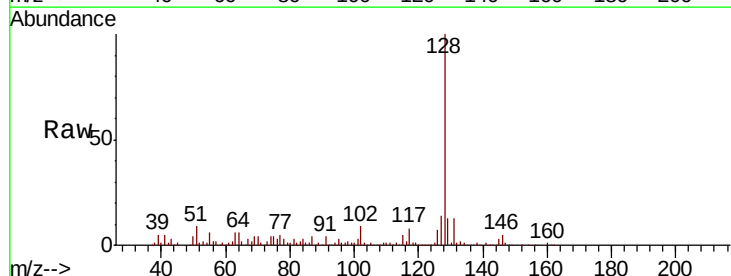


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

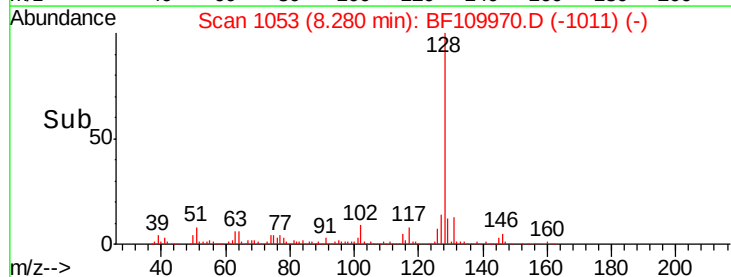
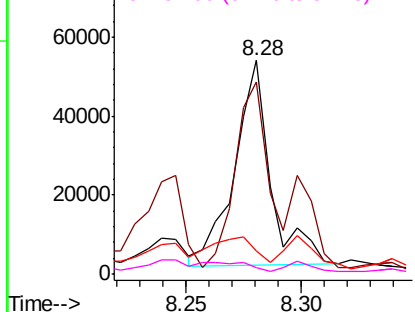


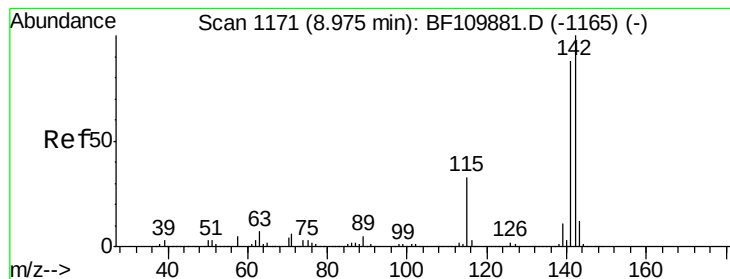
#33
4-Chloroaniline
Concen: 3.306 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Tgt Ion:127 Resp: 56890
Ion Ratio Lower Upper
127 100
129 89.9 26.0 39.0#
65 11.0 25.1 37.7#
92 3.2 15.0 22.6#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 15.228 ng

RT: 8.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

Instrument :

BNA_F

ClientSampled :

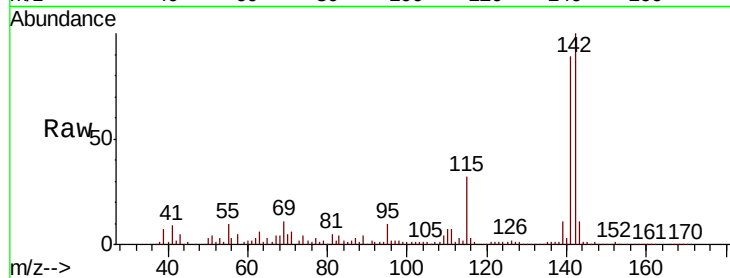
Tot Ion:142 Resp: 377456

Ion Ratio Lower Upper

142 100

141 89.0 71.4 107.2

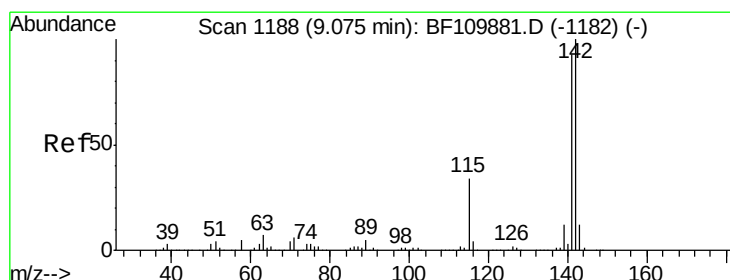
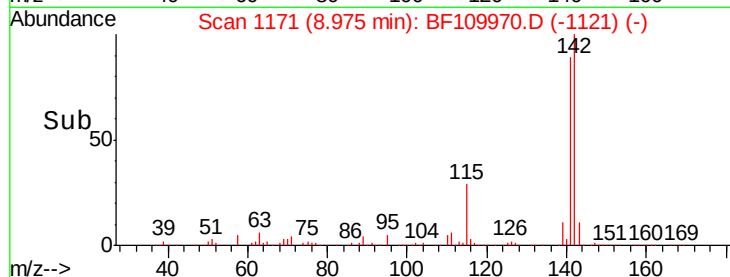
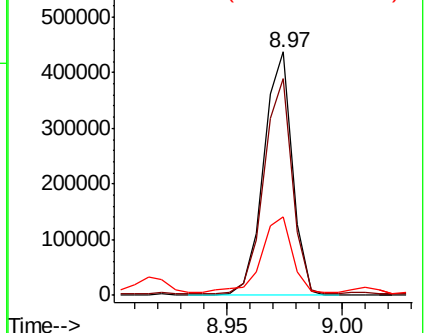
115 32.3 28.7 43.1



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: 15.716 ng

RT: 8.97 min Scan# 1171

Delta R.T. -0.11 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

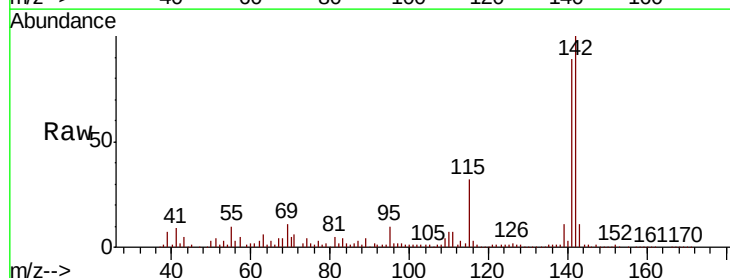
Tgt Ion:142 Resp: 377456

Ion Ratio Lower Upper

142 100

141 89.0 74.2 111.4

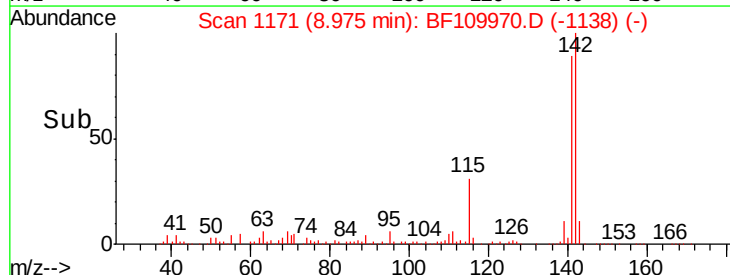
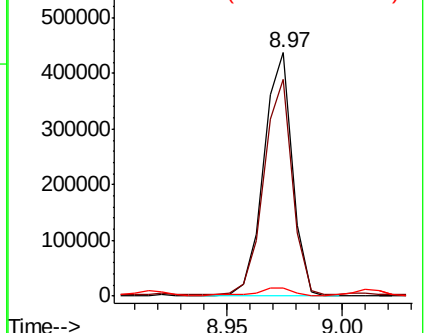
116 3.4 2.6 4.0

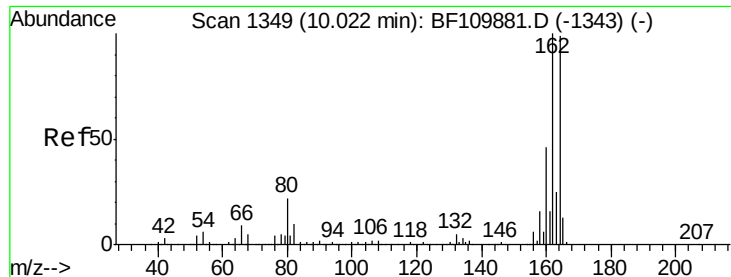


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

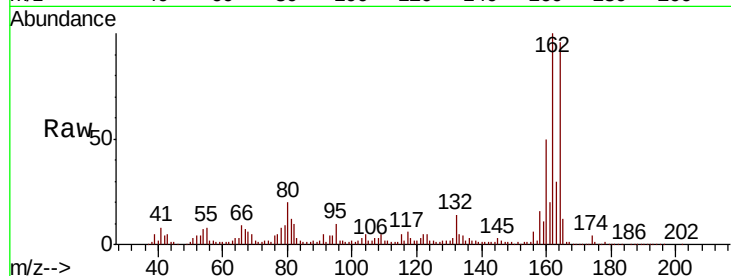




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.0	124.6
160	52.8	37.0	55.6

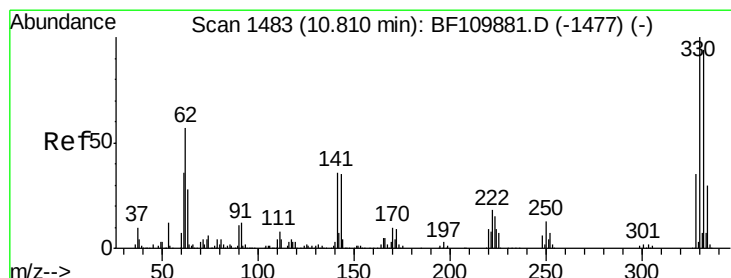
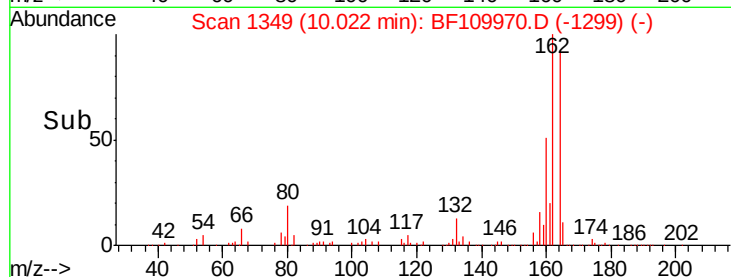
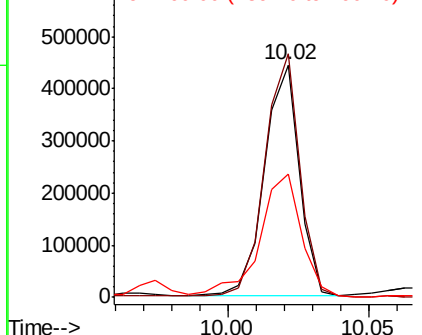


Abundance

Ion 164.00 (163.70 to 164.70): E

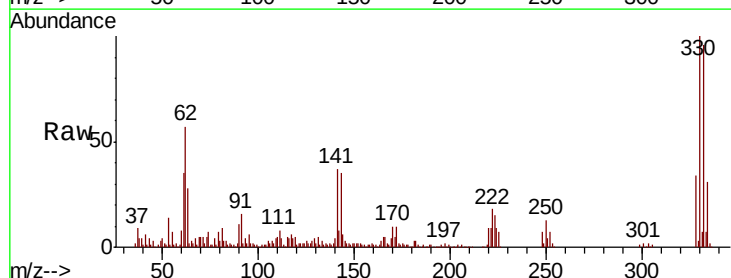
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 130.416 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.1	115.7
141	35.7	27.0	40.4

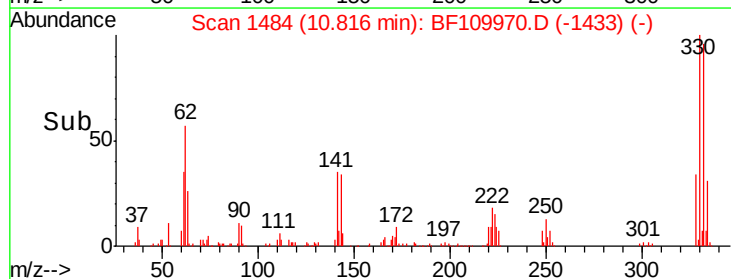
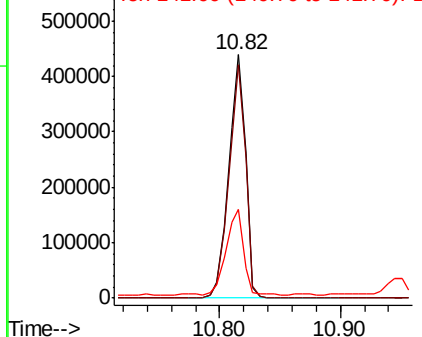


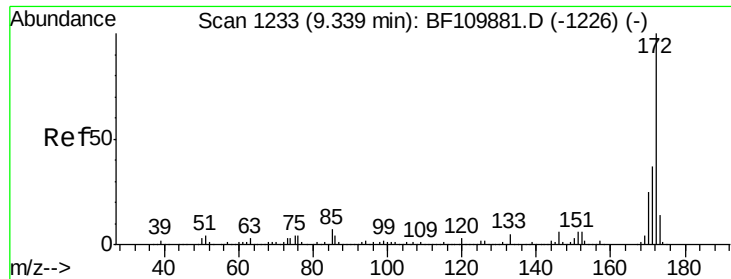
Abundance

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

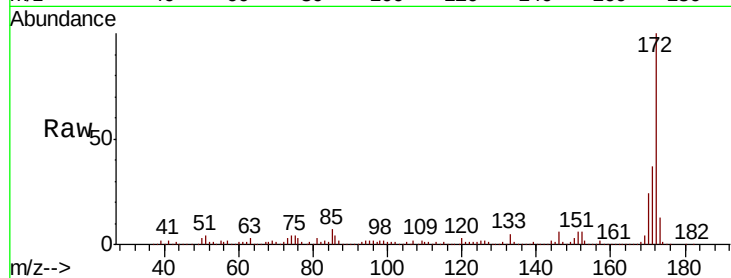




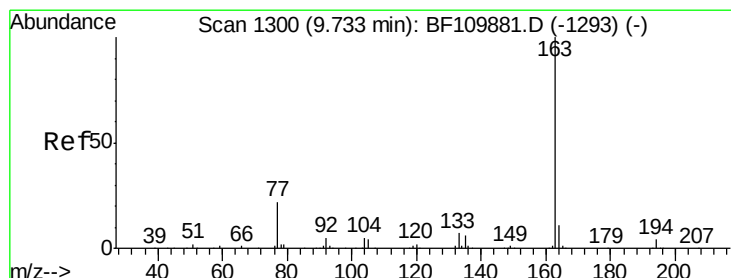
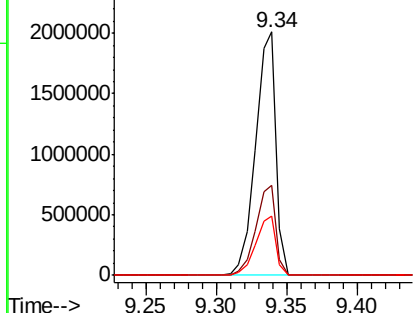
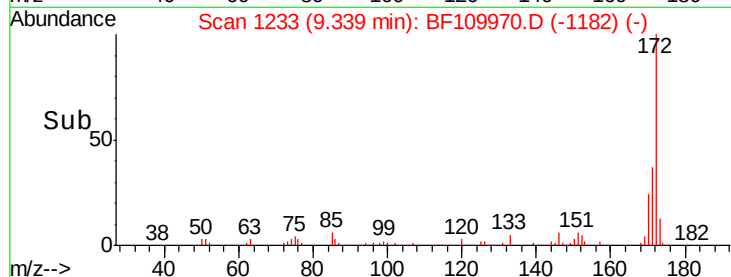
#45
2-Fluorobiphenyl
Concen: 86.485 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 2040521
Ion Ratio Lower Upper
172 100
171 37.1 28.6 43.0
170 24.4 19.7 29.5

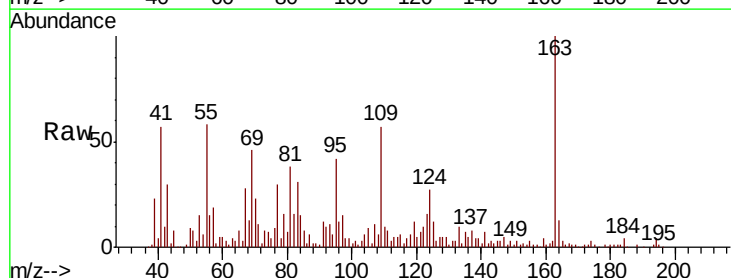


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

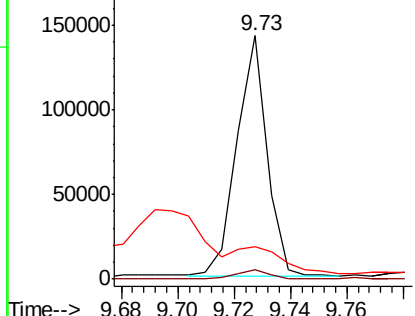
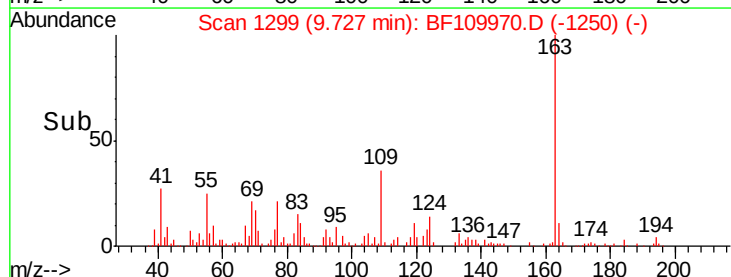


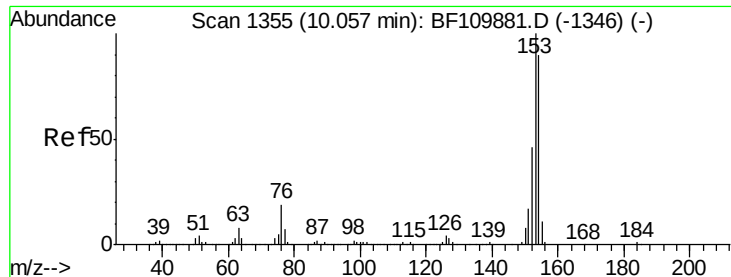
#50
Dimethylphthalate
Concen: 3.922 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Tgt Ion:163 Resp: 104559
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 13.4 8.1 12.1#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 3.716 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

Instrument :

BNA_F

ClientSampleId :

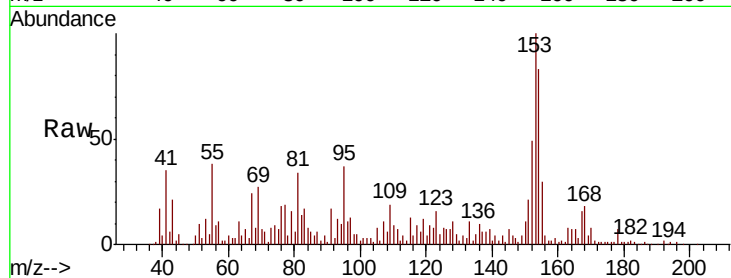
Tot Ion:154 Resp: 84910

Ion Ratio Lower Upper

154 100

153 120.5 90.1 135.1

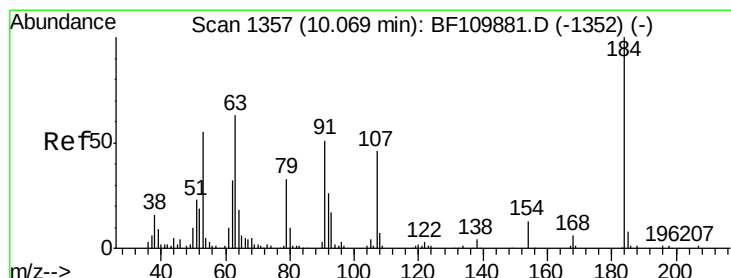
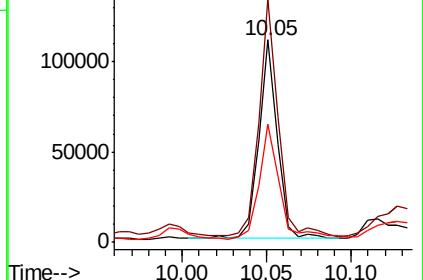
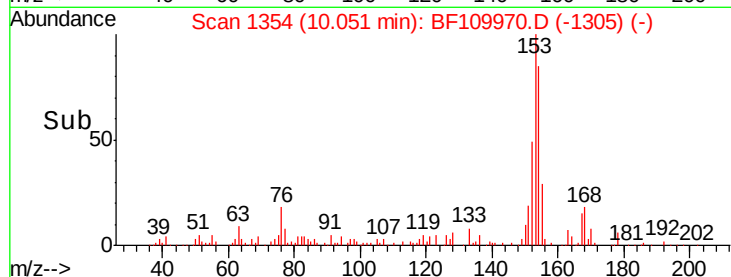
152 58.6 43.4 65.2



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



#54

2,4-Dinitrophenol

Concen: 9.326 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.04 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

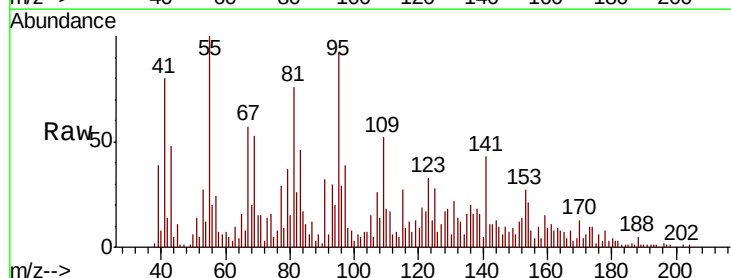
Tgt Ion:184 Resp: 757

Ion Ratio Lower Upper

184 100

63 924.1 55.8 83.6#

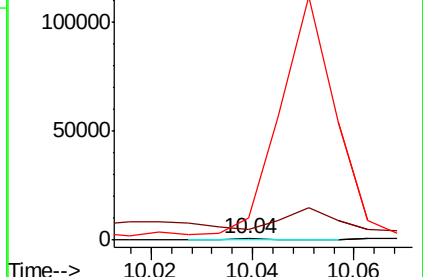
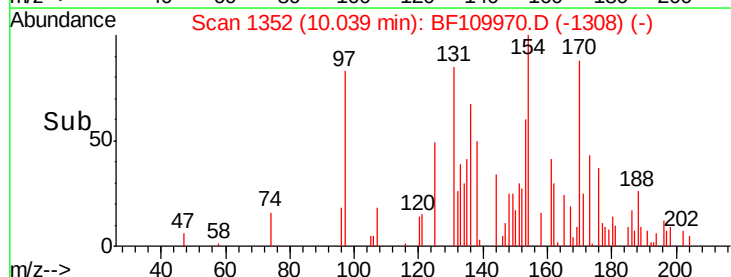
154 1849.8 63.2 94.8#

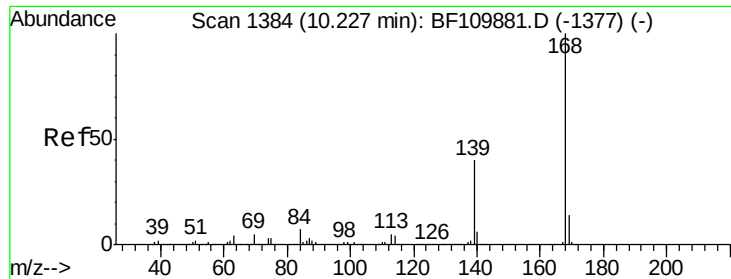


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

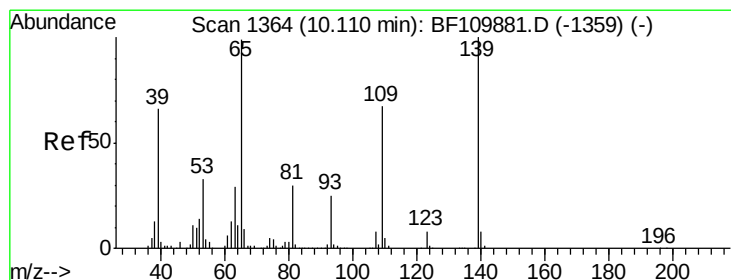
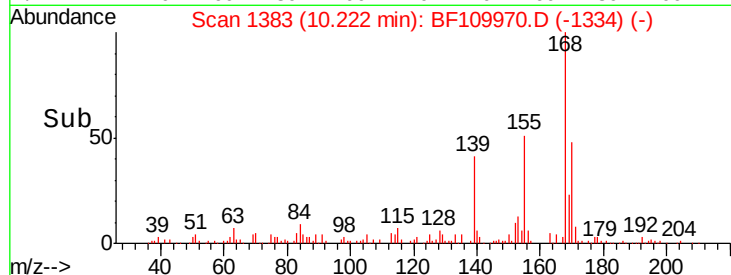
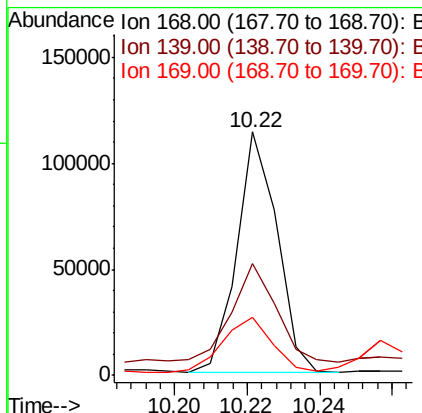
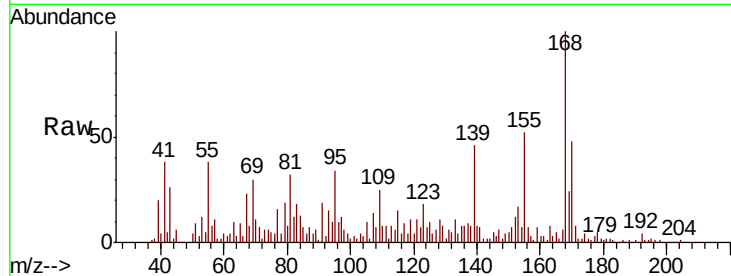




#55
Dibenzofuran
Concen: 2.688 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

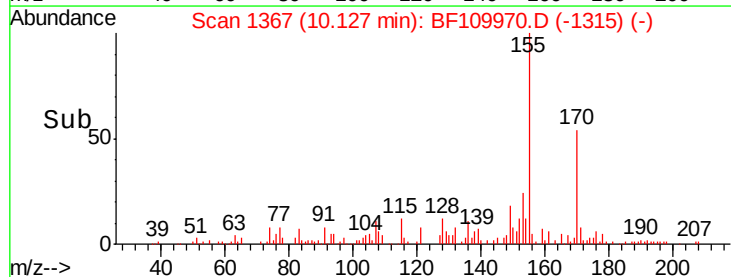
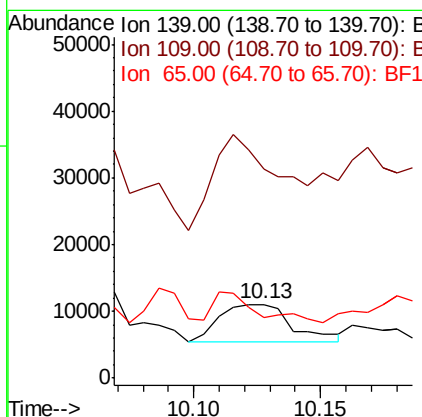
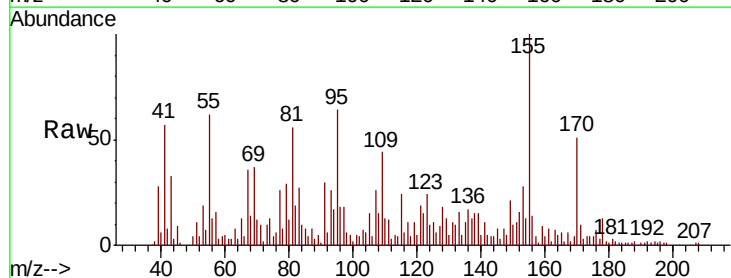
Instrument :
BNA_F
ClientSampleId :

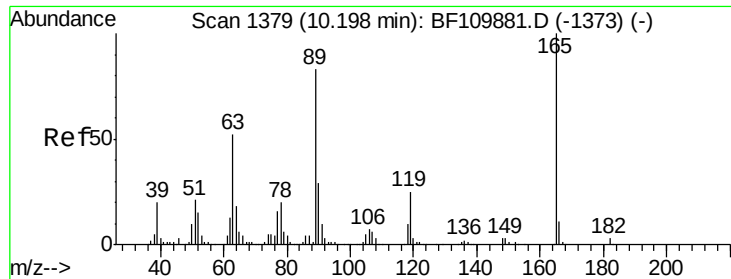
Tot Ion	Ratio	Lower	Upper
168	100		
139	45.7	33.0	49.6
169	23.7	11.3	16.9



#56
4-Nitrophenol
Concen: 2.386 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Tgt Ion	Ratio	Lower	Upper
139	100		
109	283.8	55.8	95.8
65	82.2	77.9	117.9





#57

2,4-Dinitrotoluene

Concen: 5.175 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.01 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 4189

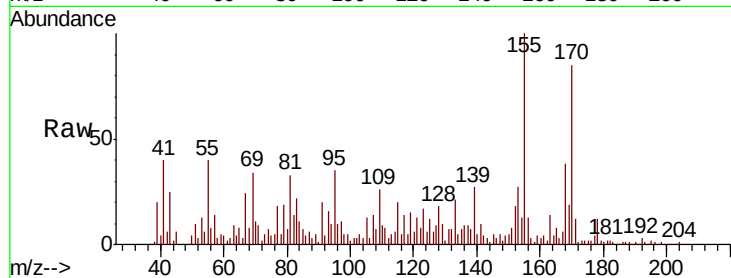
Ion Ratio Lower Upper

165 100

63 117.9 44.8 67.2#

89 66.5 62.2 93.4

182 22.9 2.1 3.1#

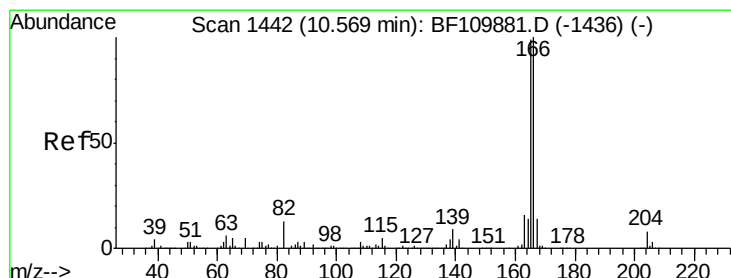
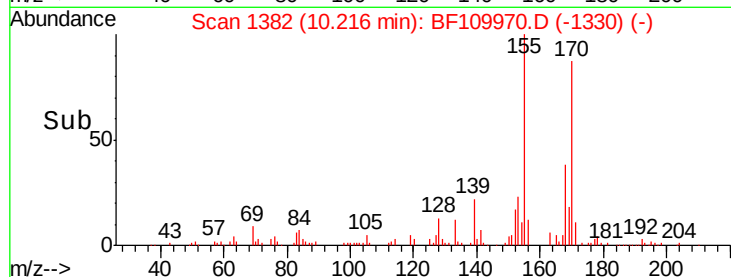
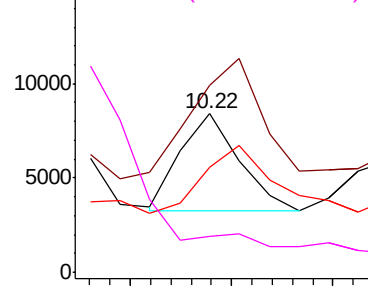


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 5.860 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

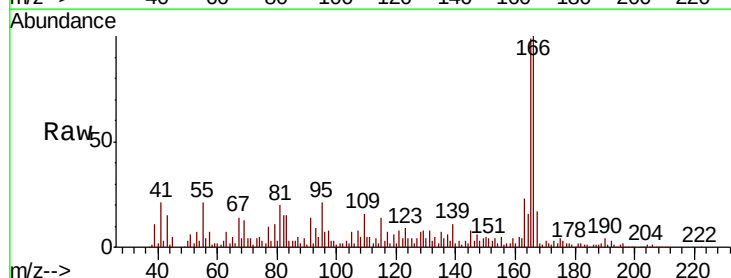
Tgt Ion:166 Resp: 139030

Ion Ratio Lower Upper

166 100

165 98.6 78.6 117.8

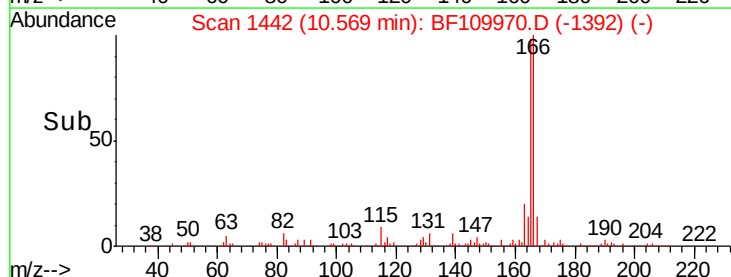
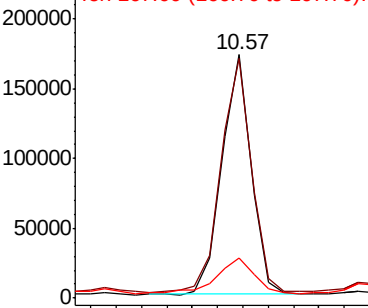
167 16.5 10.8 16.2#

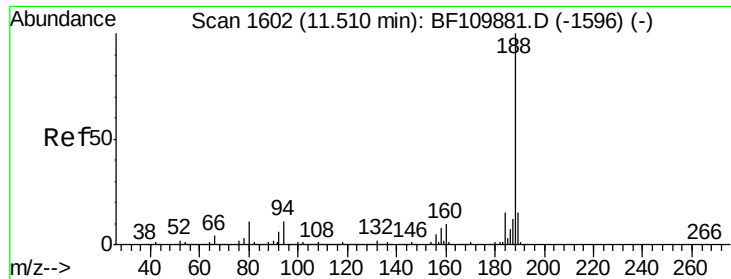


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.00 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

Instrument :

BNA_F

ClientSampled :

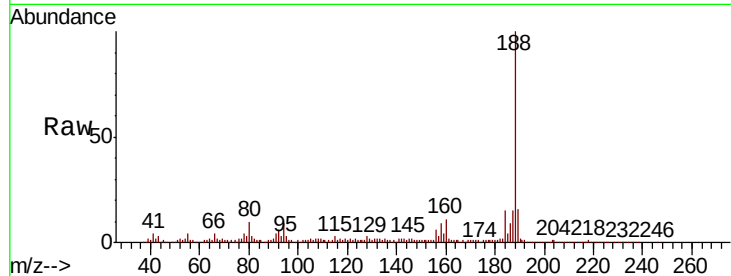
Tot Ion:188 Resp: 643705

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

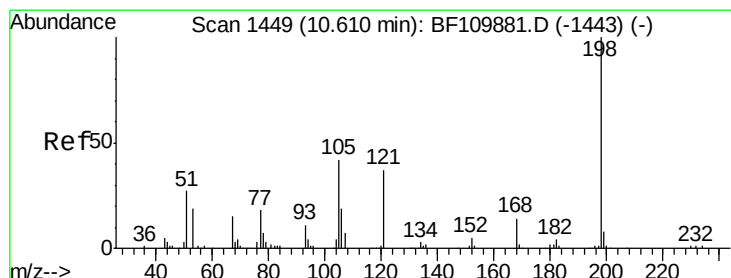
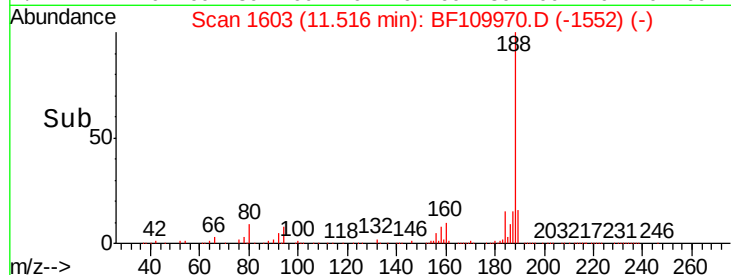
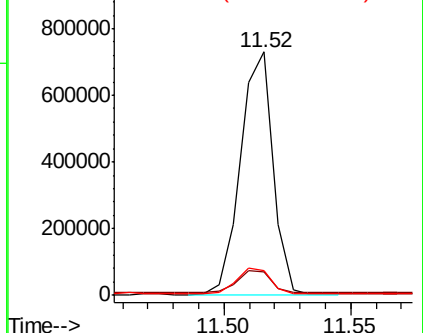
80 10.3 7.9 11.9



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.874 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

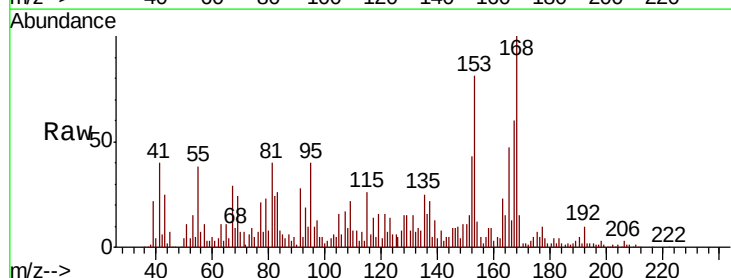
Tgt Ion:198 Resp: 2706

Ion Ratio Lower Upper

198 100

51 430.2 22.8 62.8#

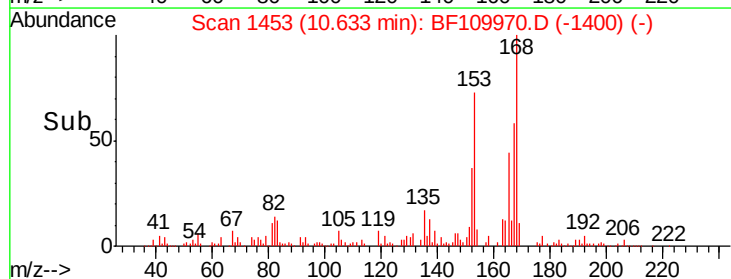
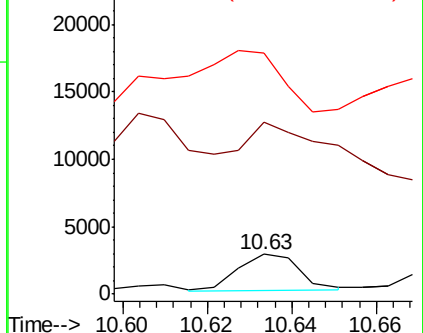
105 604.7 23.6 63.6#

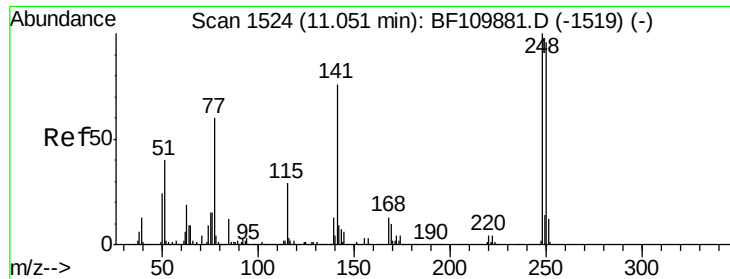


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

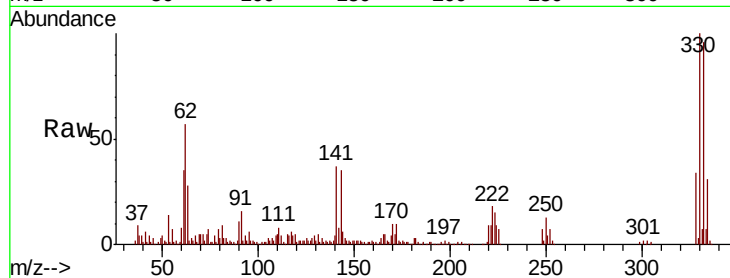




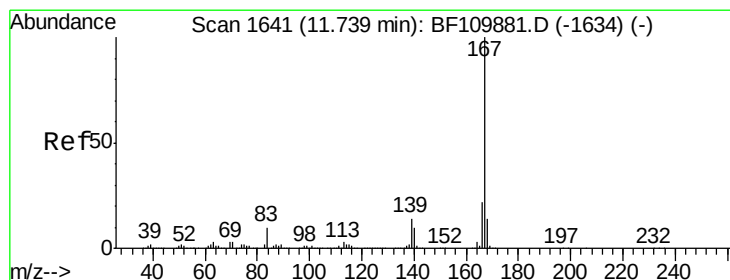
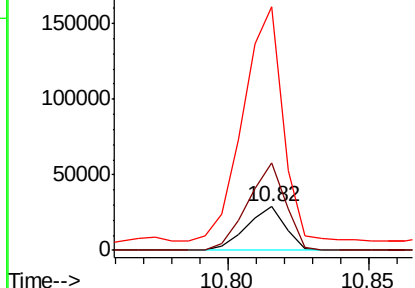
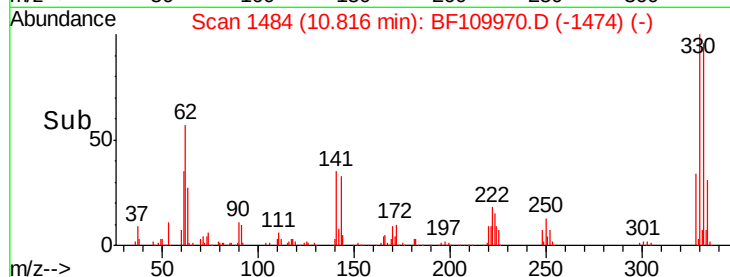
#67
4-Bromophenyl-phenylether
Concen: 3.936 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.24 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 27456
Ion Ratio Lower Upper
248 100
250 198.8 79.4 119.2#
141 557.2 55.9 83.9#

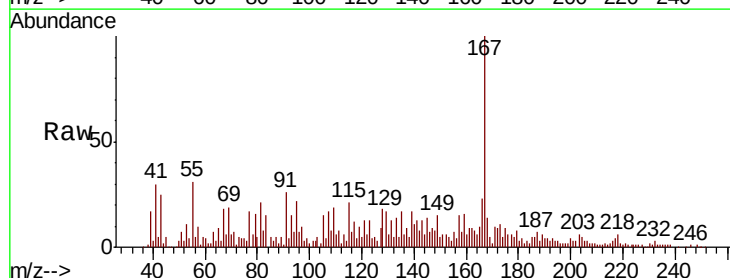


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

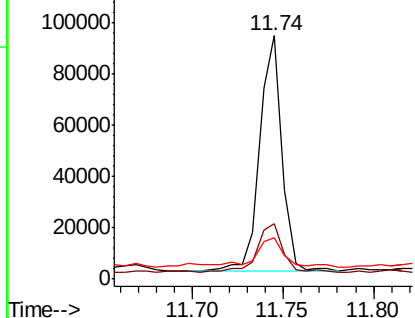
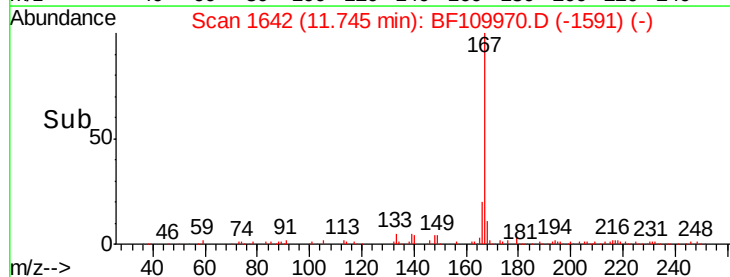


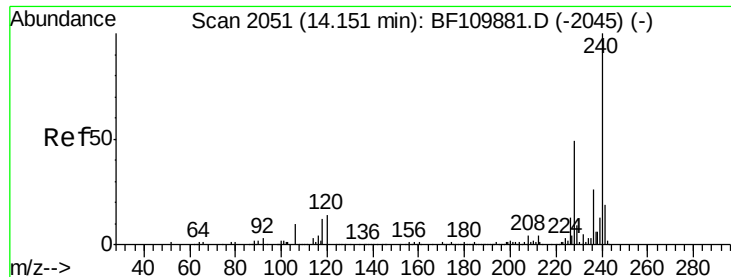
#73
Carbazole
Concen: 2.380 ng
RT: 11.74 min Scan# 1642
Delta R.T. -0.00 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Tgt Ion:167 Resp: 78359
Ion Ratio Lower Upper
167 100
166 22.5 17.4 26.0
139 17.1 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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

Instrument :

BNA_F

ClientSampleId :

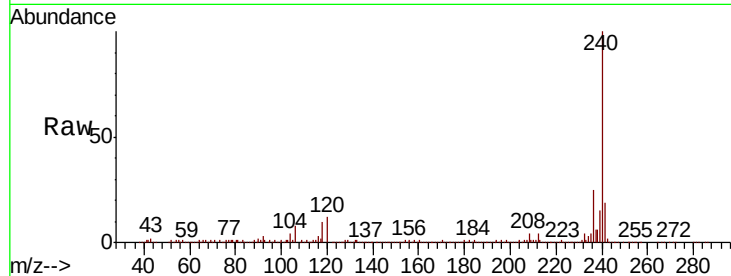
Tot Ion:240 Resp: 408092

Ion Ratio Lower Upper

240 100

120 11.5 8.3 12.5

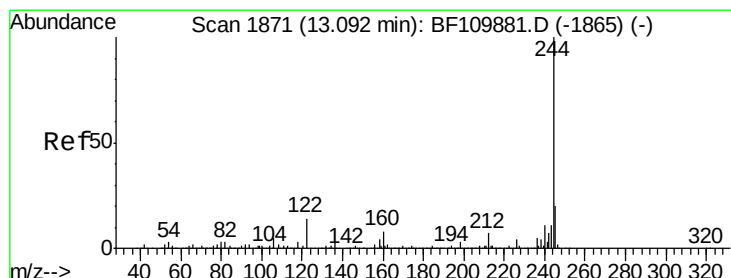
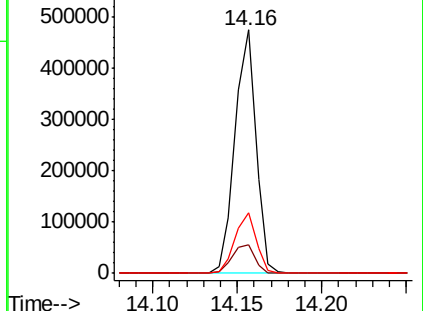
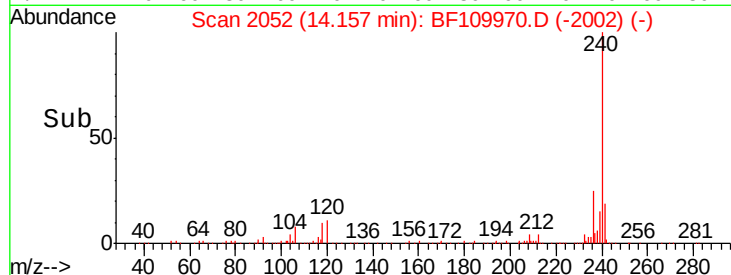
236 25.1 21.2 31.8



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



#79

Terphenyl-d14

Concen: 82.797 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF109970.D

Acq: 18 Oct 2018 20:31

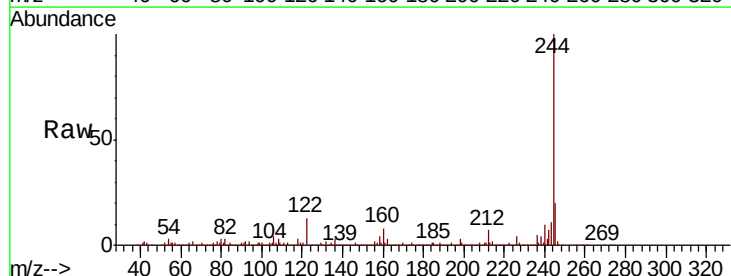
Tgt Ion:244 Resp: 1609049

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

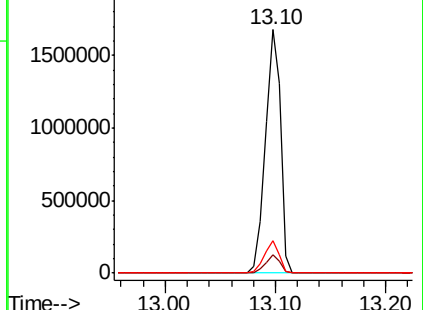
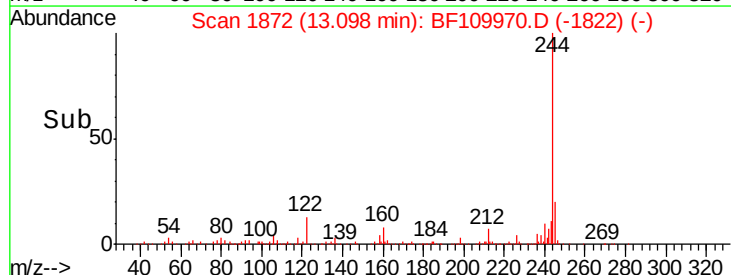
122 13.3 8.7 13.1#

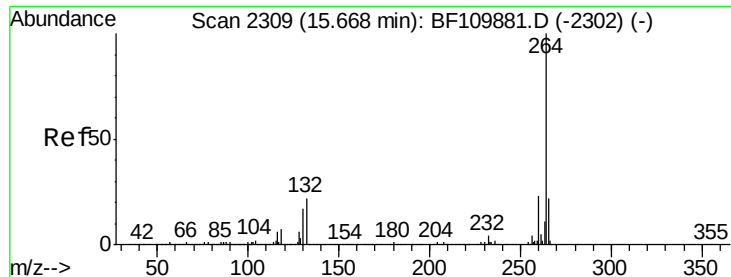


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF109970.D
Acq: 18 Oct 2018 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.1	16.7	25.1

