

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100918\
 Data File : BF109699.D
 Acq On : 9 Oct 2018 17:12
 Operator : JU/SJ
 Sample : J5300-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 18:11:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

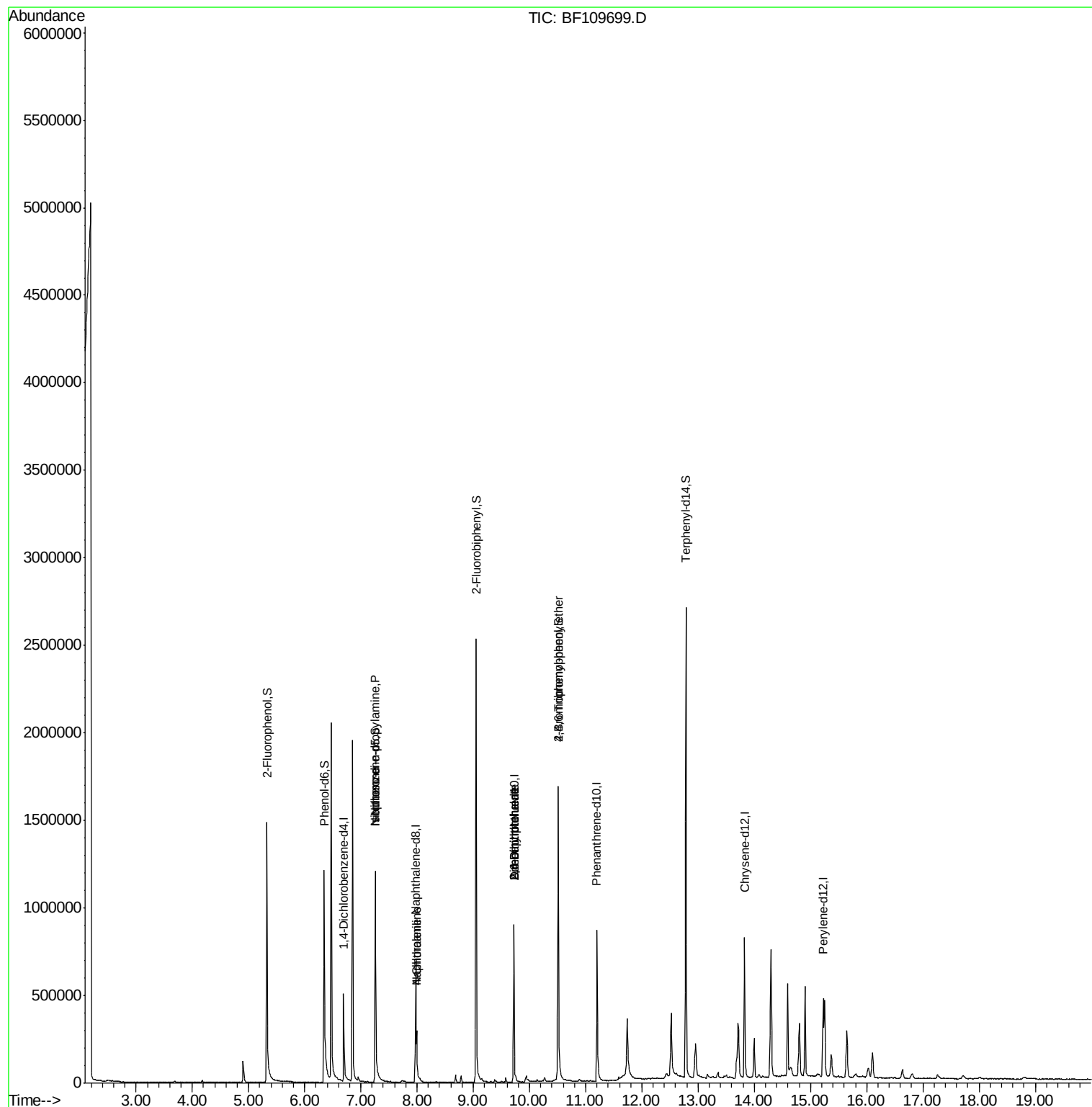
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	98595	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	395301	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	194281	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	398125	20.00	ng	0.00
75) Chrysene-d12	13.83	240	311464	20.00	ng	0.00
86) Perylene-d12	15.22	264	246620	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	524860	94.49	ng	0.00
7) Phenol-d6	6.35	99	643166	86.68	ng	-0.01
23) Nitrobenzene-d5	7.26	82	542235	75.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	244102	115.31	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1001551	71.00	ng	0.00
78) Terphenyl-d14	12.79	244	1079594	67.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	69571	13.370	ng	# 77
25) Isophorone	7.26	82	542233	45.534	ng	# 67
31) Naphthalene	7.99	128	140966	7.711	ng	# 99
33) 4-Chloroaniline	7.99	127	18124	2.251	ng	# 34
49) Dimethylphthalate	9.72	163	51996	3.649	ng	# 1
50) 2,6-Dinitrotoluene	9.72	165	24307	7.870	ng	# 24
56) 2,4-Dinitrotoluene	9.72	165	24307	6.306	ng	# 20
66) 4-Bromophenyl-phenylether	10.51	248	14817	3.239	ng	# 1

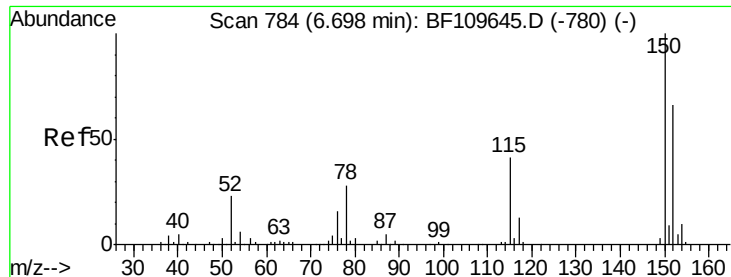
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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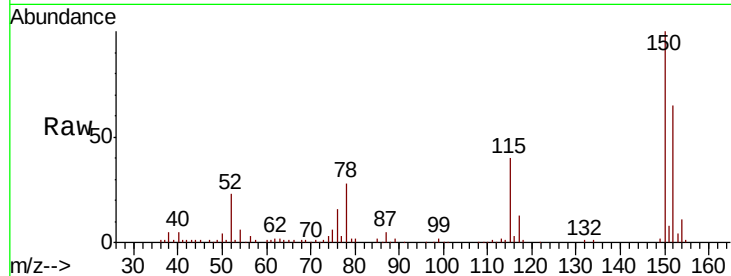


#1

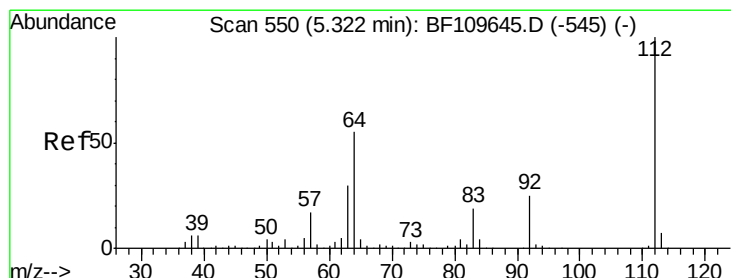
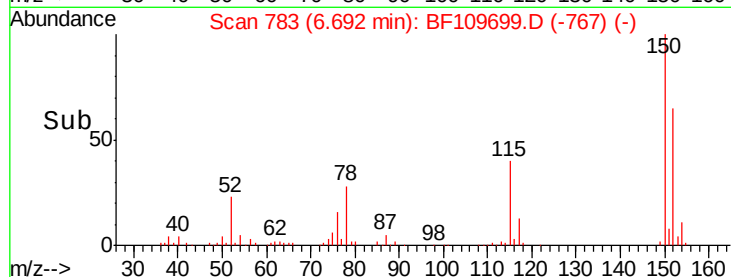
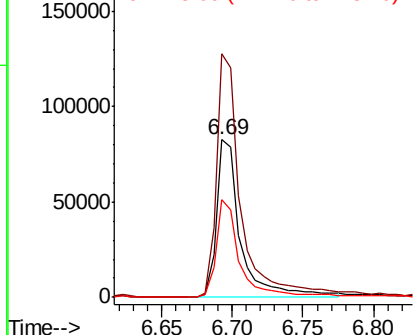
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109699.D
Acq: 9 Oct 2018 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	122.7	184.1
115	61.9	49.1	73.7



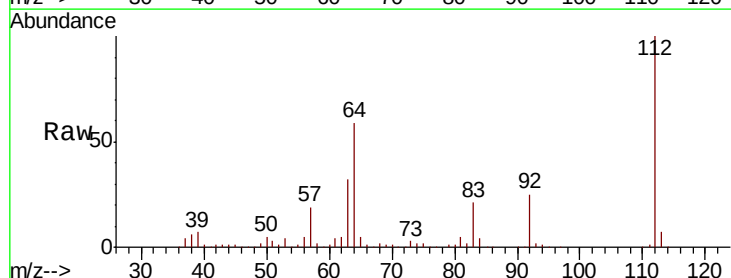
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



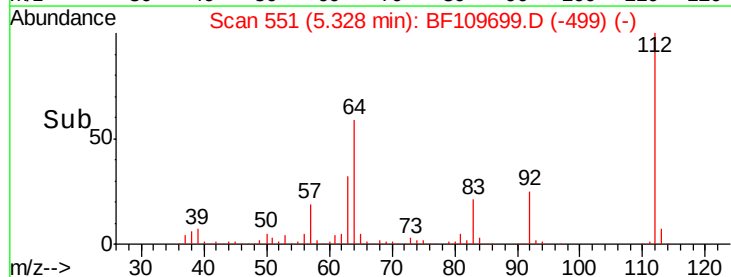
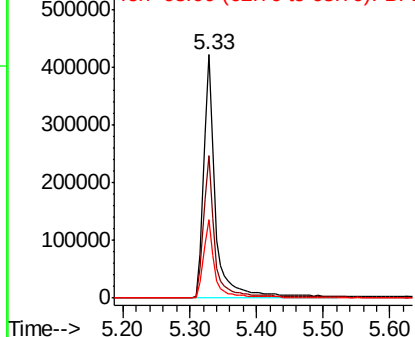
#5

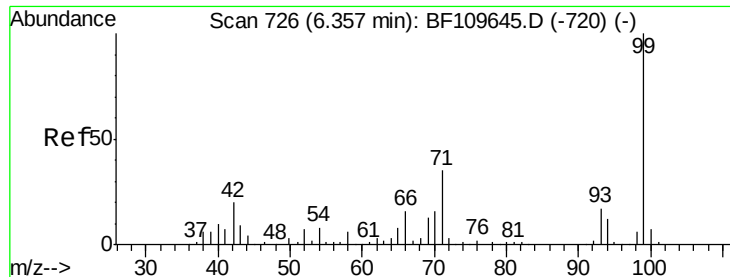
2-Fluorophenol
Concen: 94.492 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109699.D
Acq: 9 Oct 2018 17:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	44.1	66.1
63	32.0	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: 86.677 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109699.D

Acq: 9 Oct 2018 17:12

Instrument :

BNA_F

ClientSampled :

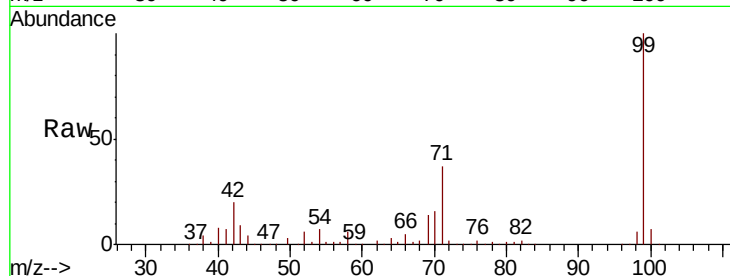
Tot Ion: 99 Resp: 643166

Ion Ratio Lower Upper

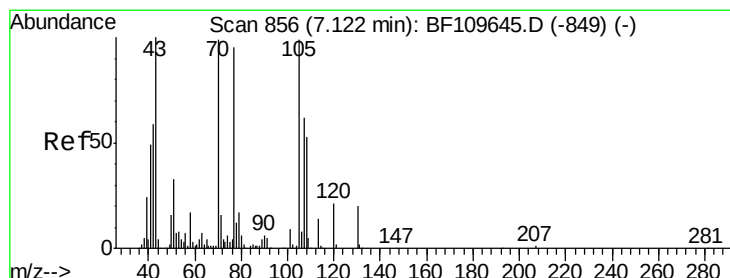
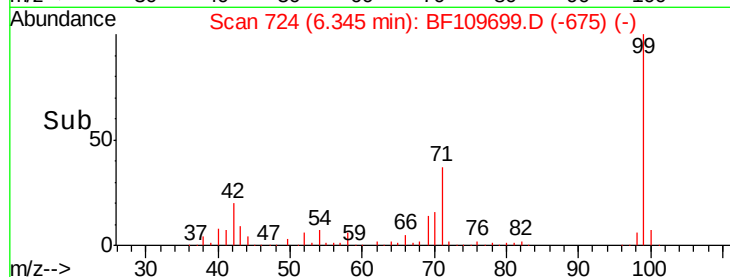
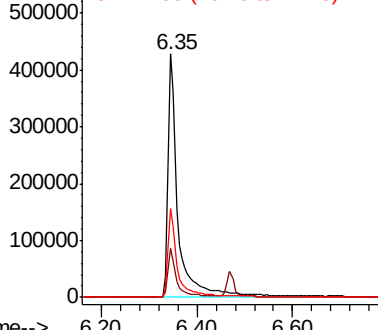
99 100

42 20.0 15.8 23.6

71 36.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.370 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109699.D

Acq: 9 Oct 2018 17:12

Tgt Ion: 70 Resp: 69571

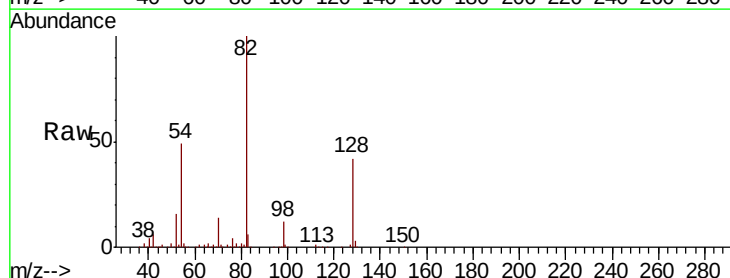
Ion Ratio Lower Upper

70 100

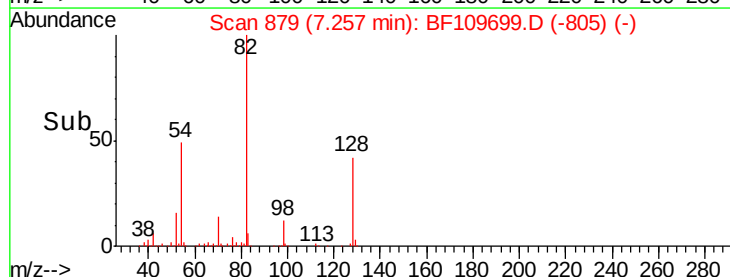
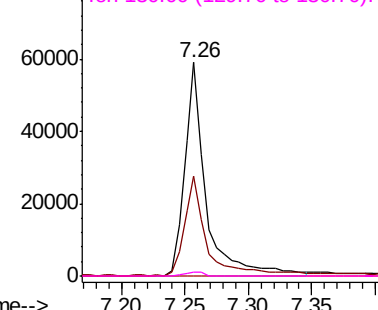
42 46.7 47.4 71.2#

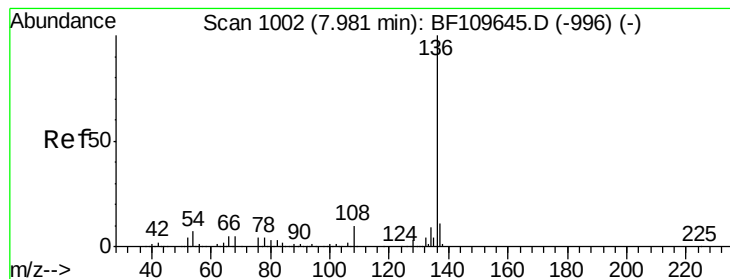
101 0.0 7.3 10.9#

130 2.1 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109699.D

Acq: 9 Oct 2018 17:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 395301

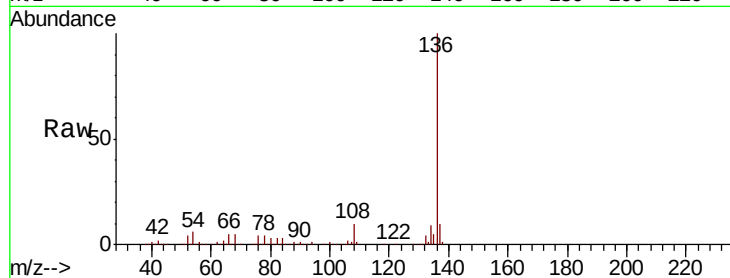
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 6.3 5.4 8.2

68 5.0 4.2 6.2

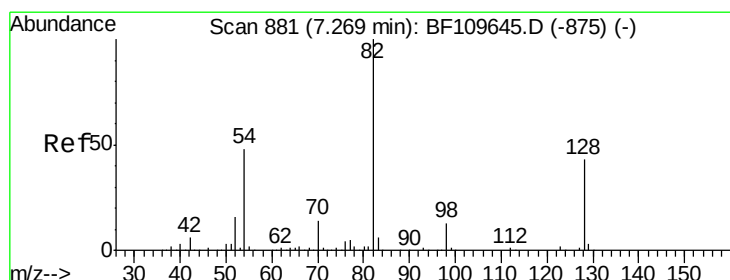
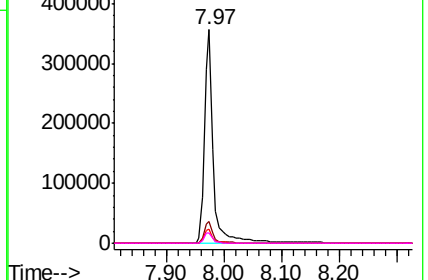
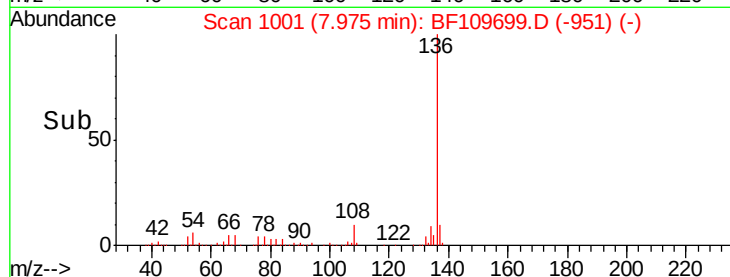


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.613 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109699.D

Acq: 9 Oct 2018 17:12

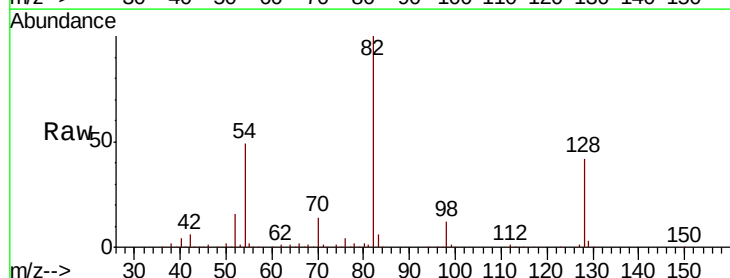
Tgt Ion: 82 Resp: 542235

Ion Ratio Lower Upper

82 100

128 42.0 34.2 51.2

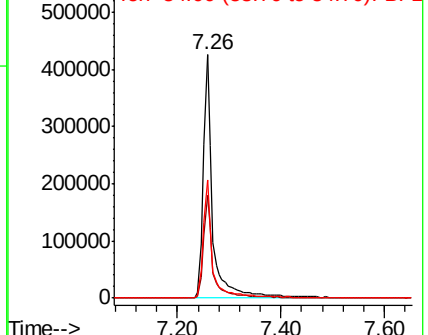
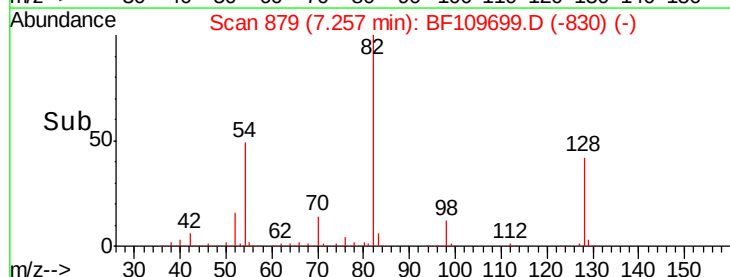
54 48.5 38.6 58.0

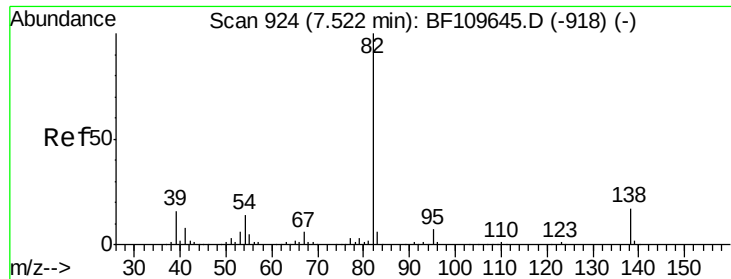


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.534 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109699.D

Acq: 9 Oct 2018 17:12

Instrument :

BNA_F

ClientSampleId :

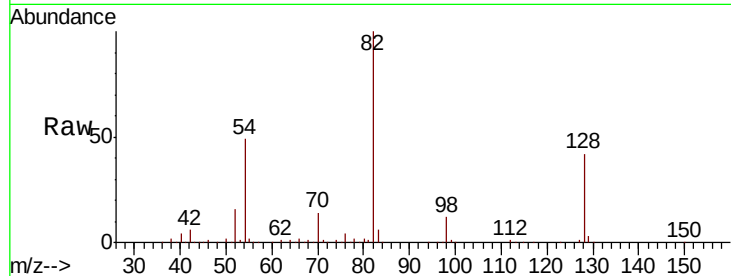
Tot Ion: 82 Resp: 542233

Ion Ratio Lower Upper

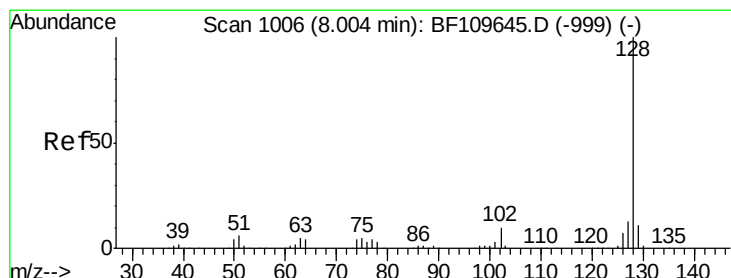
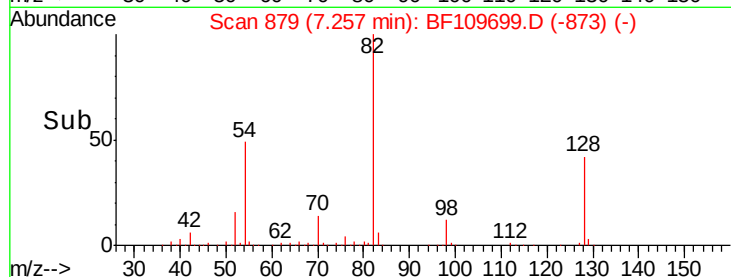
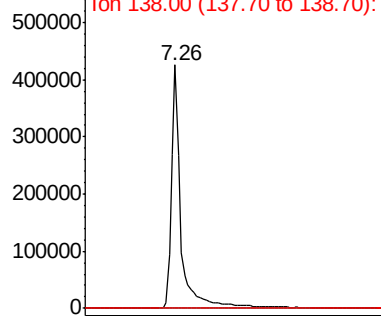
82 100

95 0.0 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: 7.711 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF109699.D

Acq: 9 Oct 2018 17:12

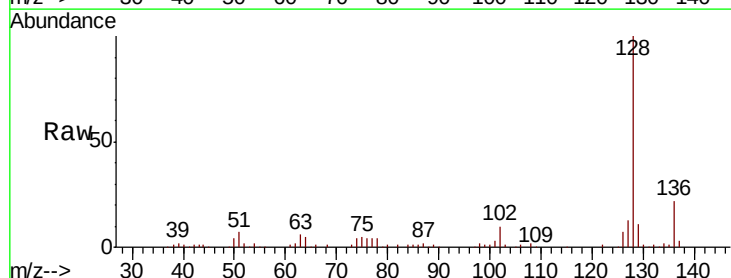
Tgt Ion: 128 Resp: 140966

Ion Ratio Lower Upper

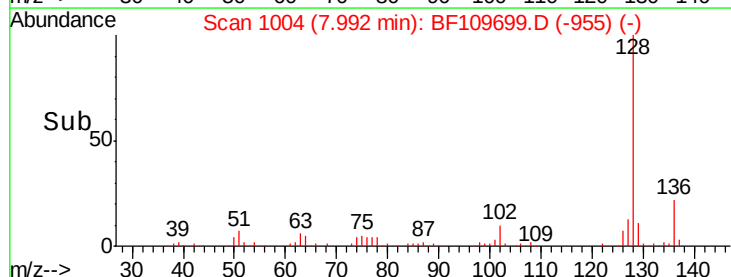
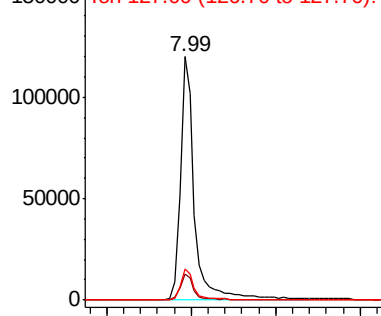
128 100

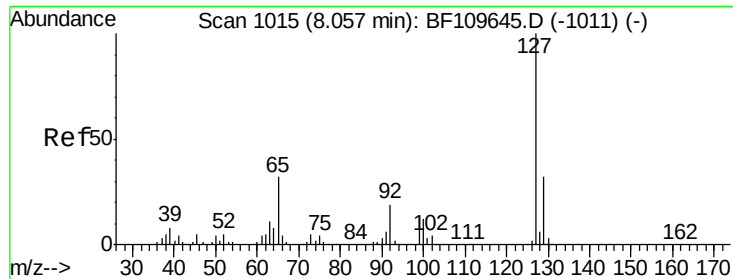
129 10.8 8.8 13.2

127 12.7 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

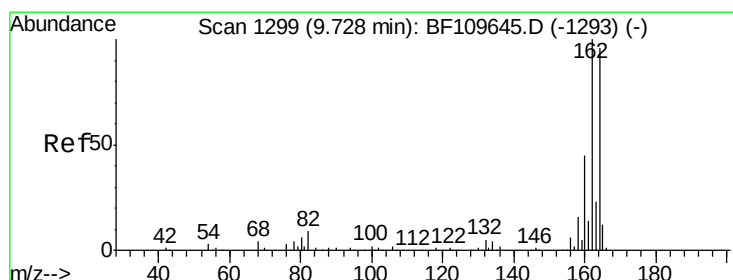
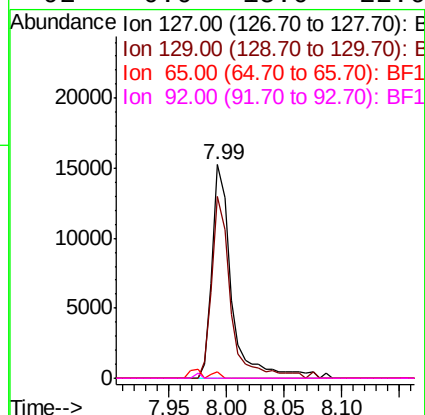
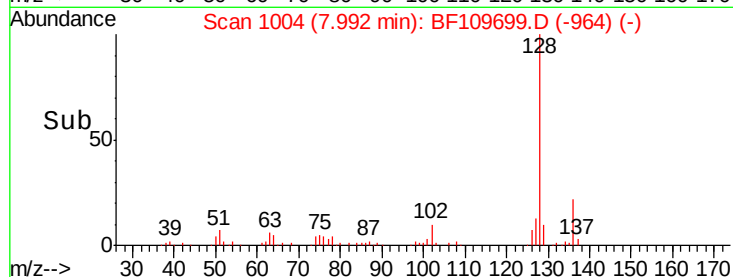
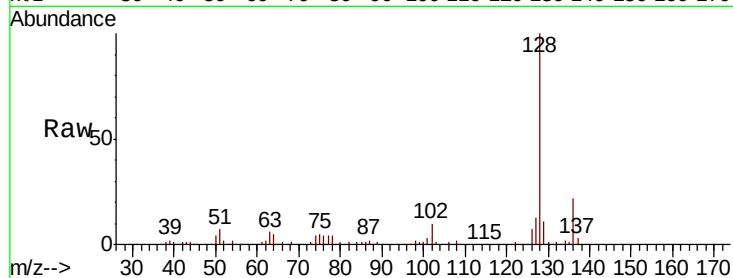




#33
4-Chloroaniline
Concen: 2.251 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.06 min
Lab File: BF109699.D
Acq: 9 Oct 2018 17:12

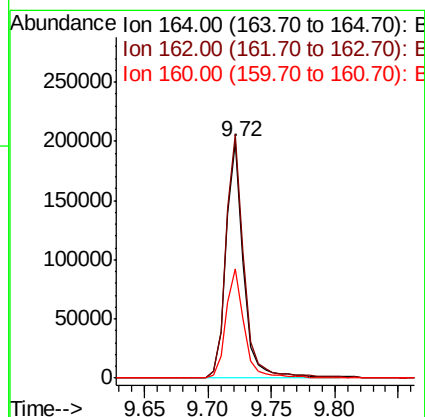
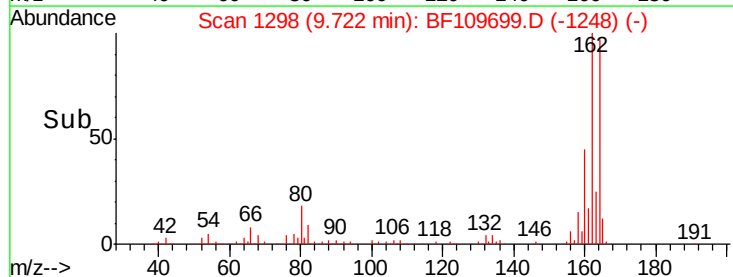
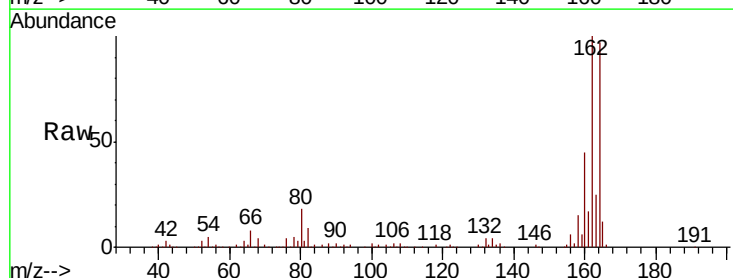
Instrument :
BNA_F
ClientSampleId :

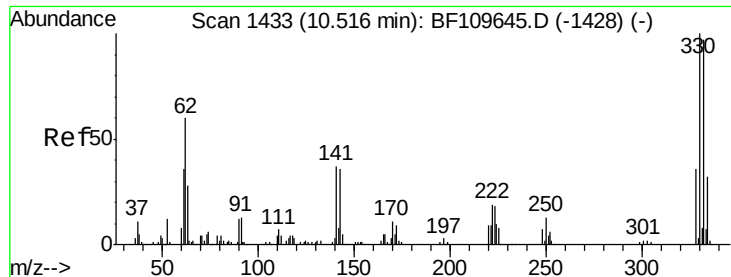
Tot Ion	Ratio	Lower	Upper
127	100		
129	85.1	26.0	39.0#
65	3.3	25.1	37.7#
92	0.0	15.0	22.6#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109699.D
Acq: 9 Oct 2018 17:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.0	124.6
160	46.2	37.0	55.6

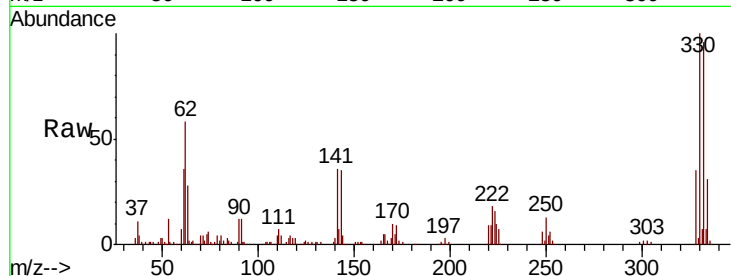




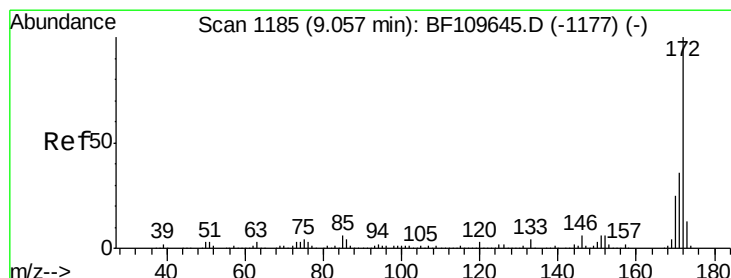
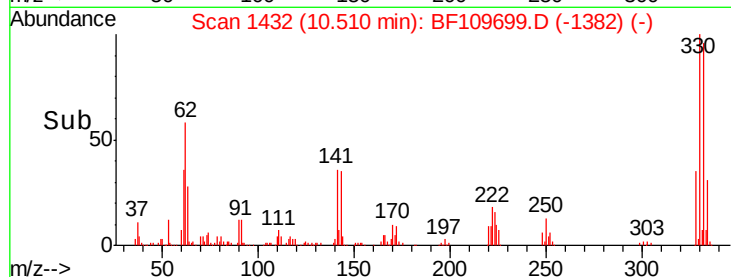
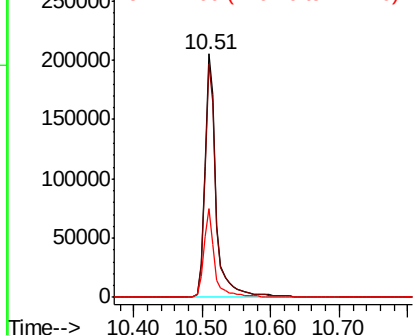
#41
 2,4,6-Tribromophenol
 Concen: 115.311 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109699.D
 Acq: 9 Oct 2018 17:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 244102
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.1 115.7
 141 34.4 27.0 40.4

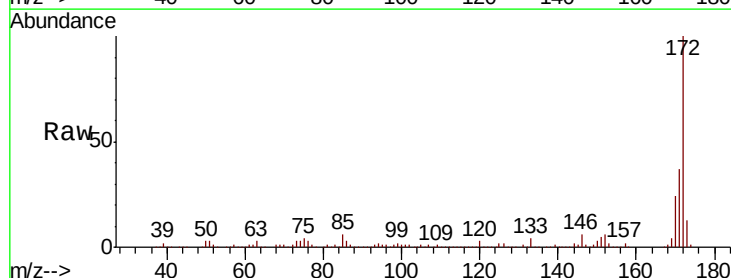


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

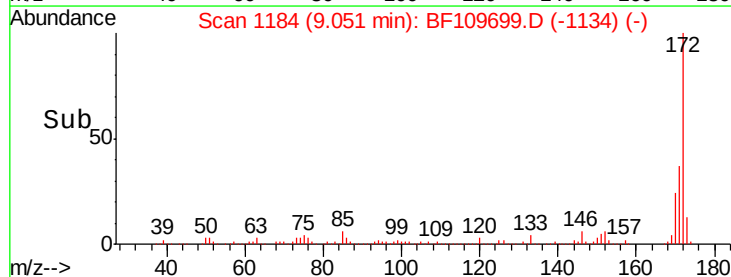
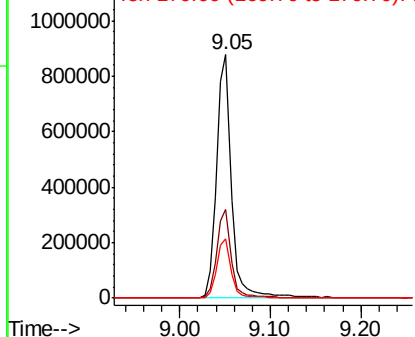


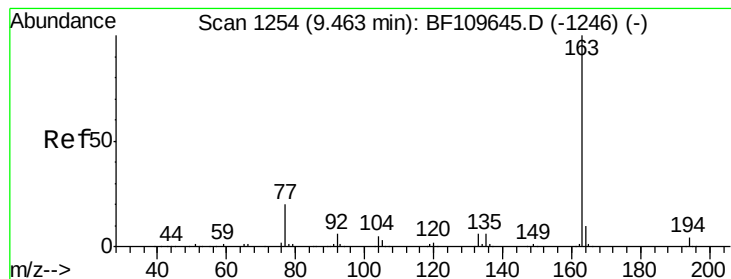
#44
 2-Fluorobiphenyl
 Concen: 71.000 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109699.D
 Acq: 9 Oct 2018 17:12

Tgt Ion:172 Resp: 1001551
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.6 43.0
 170 24.1 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





#49

Dimethylphthalate

Concen: 3.649 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.26 min

Lab File: BF109699.D

Acq: 9 Oct 2018 17:12

Instrument :

BNA_F

ClientSampled :

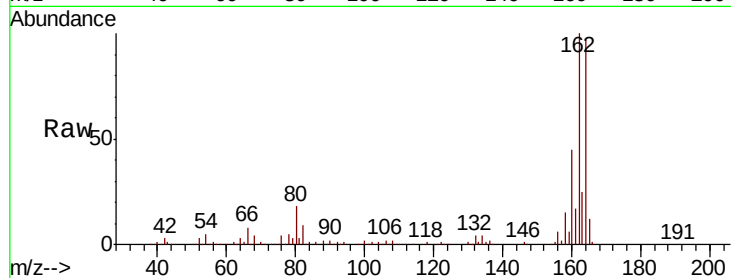
Tot Ion:163 Resp: 51996

Ion Ratio Lower Upper

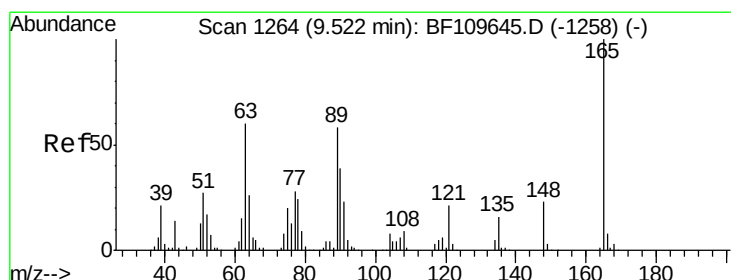
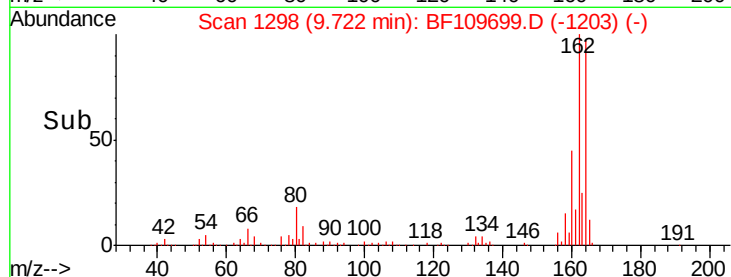
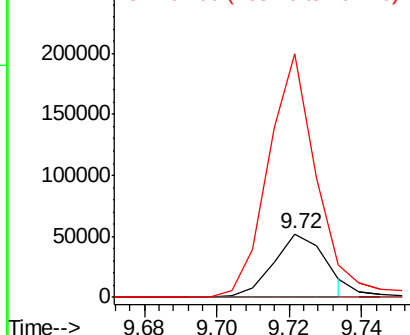
163 100

194 0.0 3.2 4.8#

164 382.6 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



#50

2,6-Dinitrotoluene

Concen: 7.870 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.20 min

Lab File: BF109699.D

Acq: 9 Oct 2018 17:12

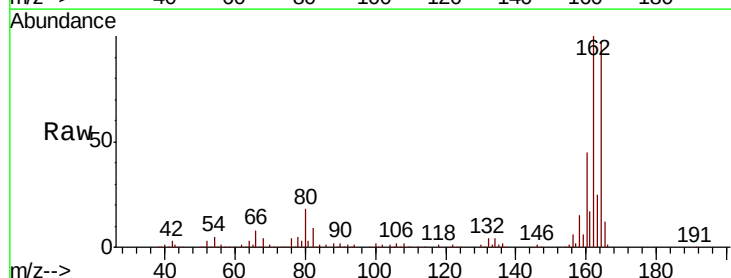
Tgt Ion:165 Resp: 24307

Ion Ratio Lower Upper

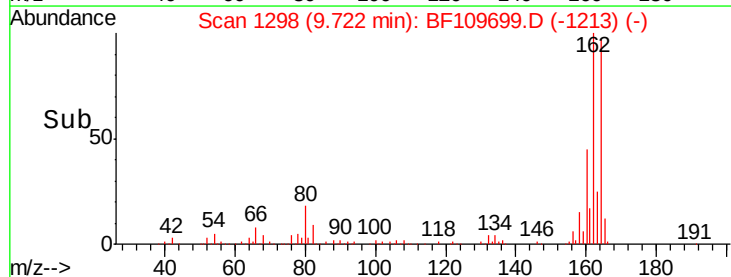
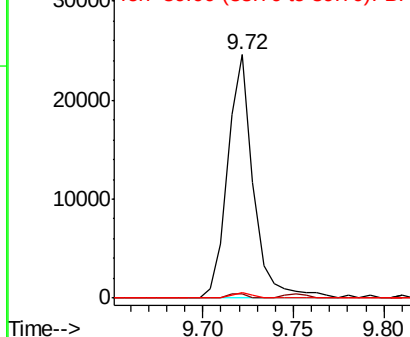
165 100

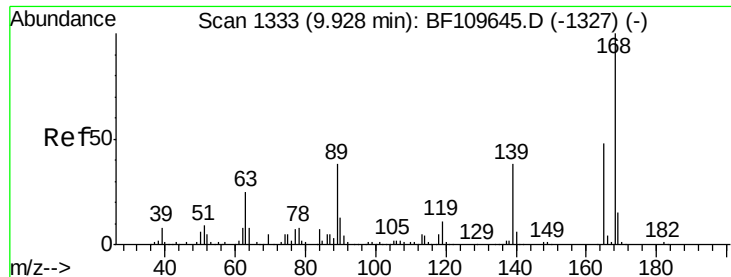
63 1.7 48.9 73.3#

89 2.3 46.6 69.8#



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

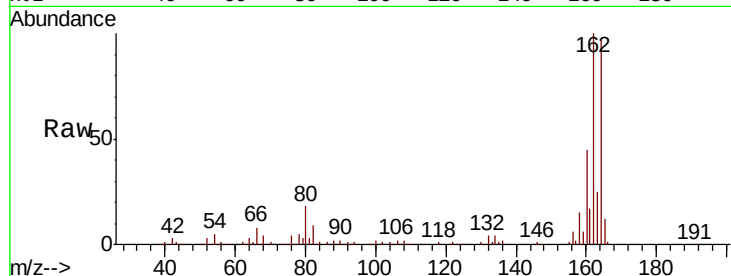




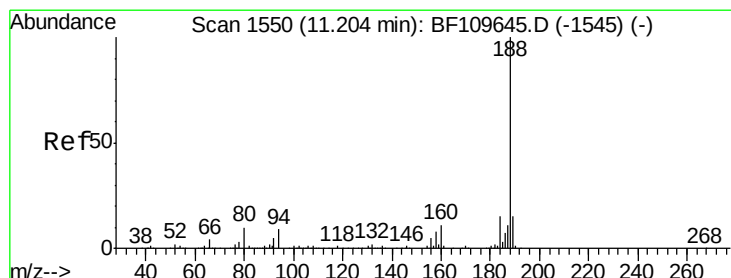
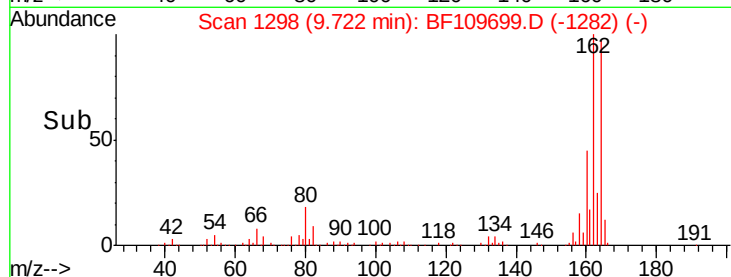
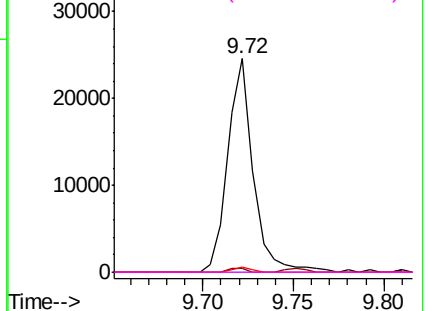
#56
 2,4-Dinitrotoluene
 Concen: 6.306 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109699.D
 Acq: 9 Oct 2018 17:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.8	67.2#
89	2.3	62.2	93.4#
182	0.0	2.1	3.1#

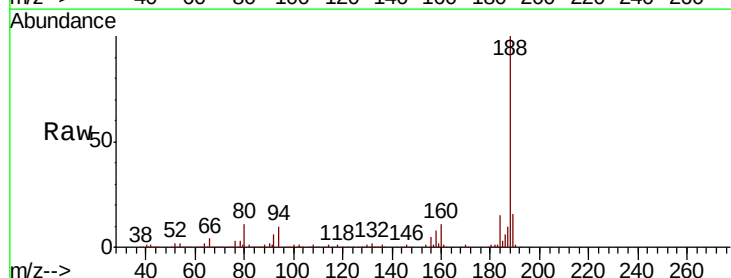


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

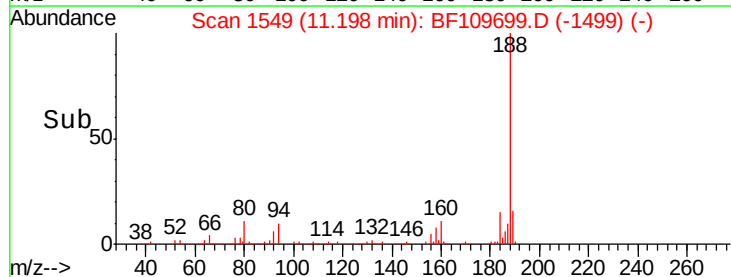
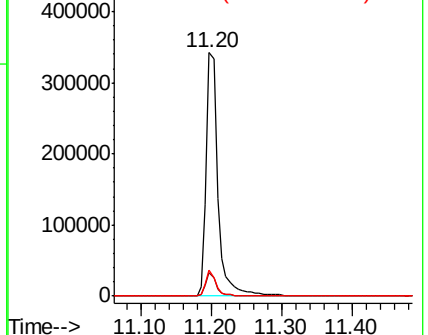


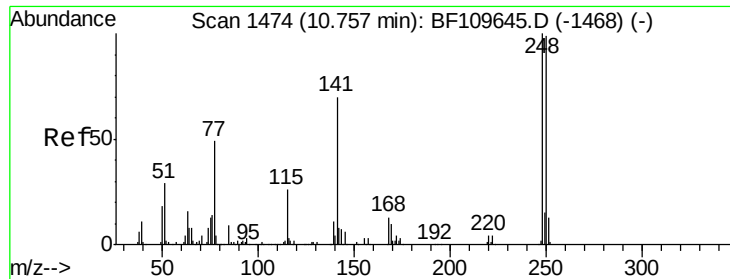
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF109699.D
 Acq: 9 Oct 2018 17:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.2	10.8
80	10.6	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

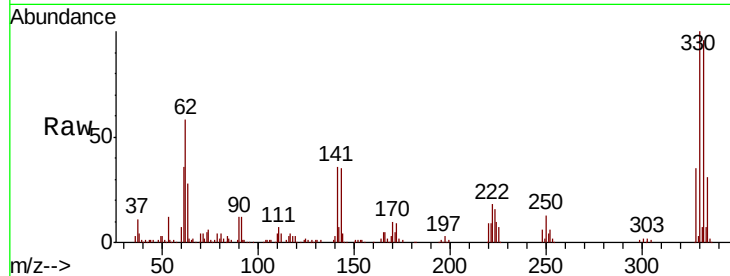




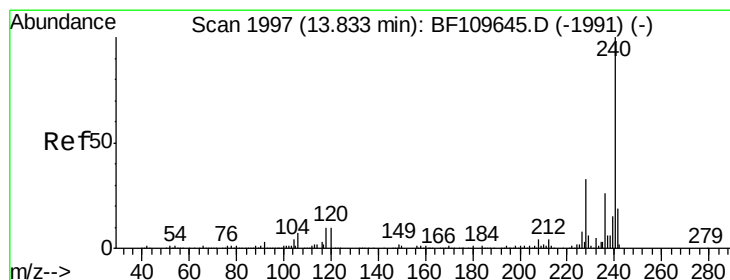
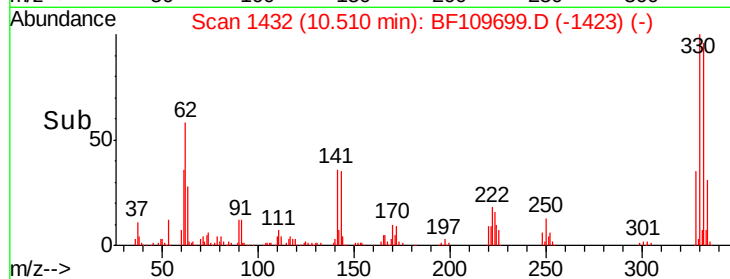
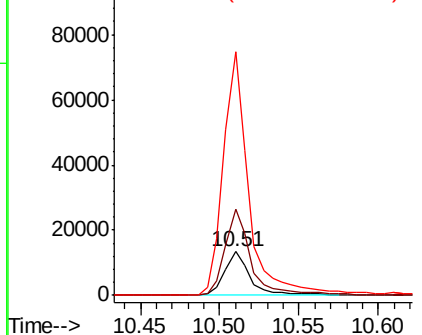
#66
 4-Bromophenyl-phenylether
 Concen: 3.239 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109699.D
 Acq: 9 Oct 2018 17:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14817
 Ion Ratio Lower Upper
 248 100
 250 198.5 79.4 119.2#
 141 559.9 55.9 83.9#

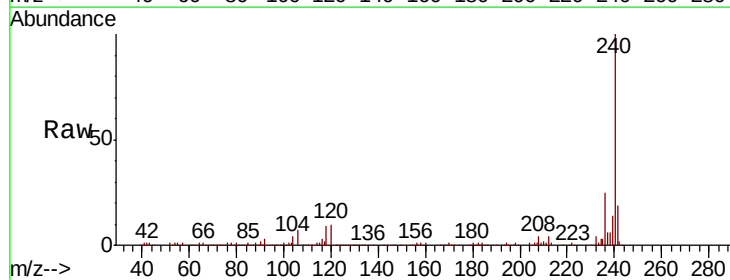


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

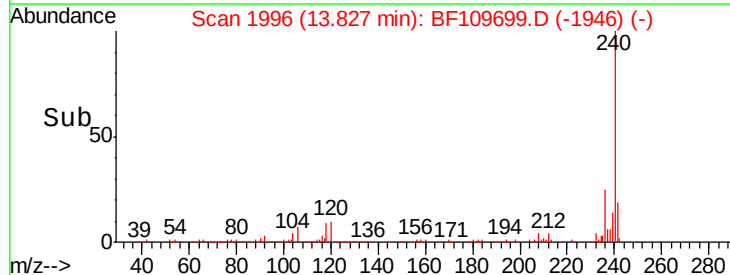
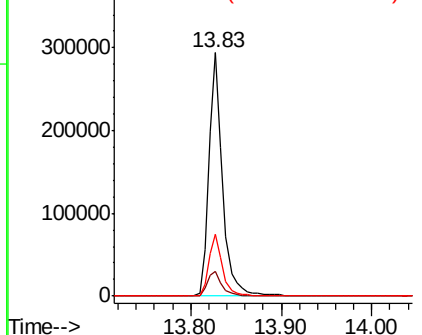


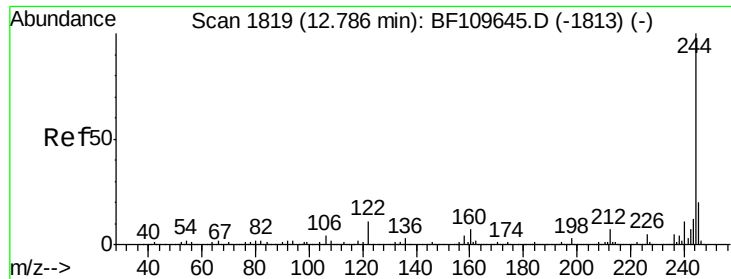
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109699.D
 Acq: 9 Oct 2018 17:12

Tgt Ion:240 Resp: 311464
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.3 12.5
 236 25.4 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



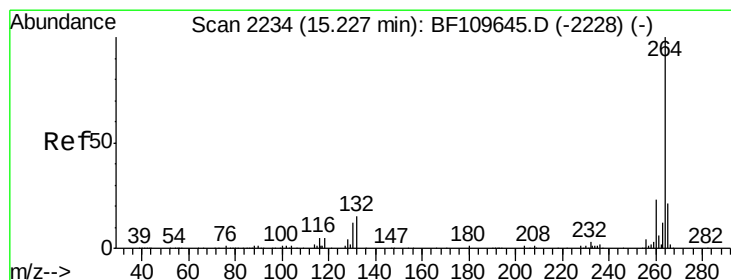
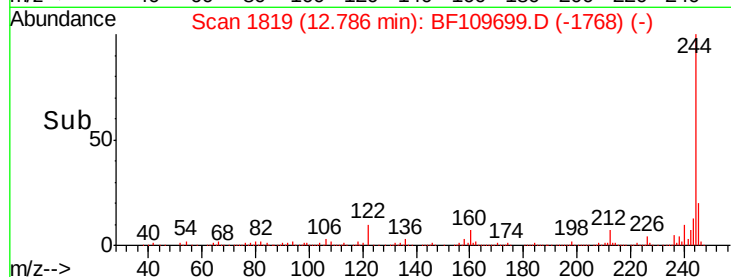
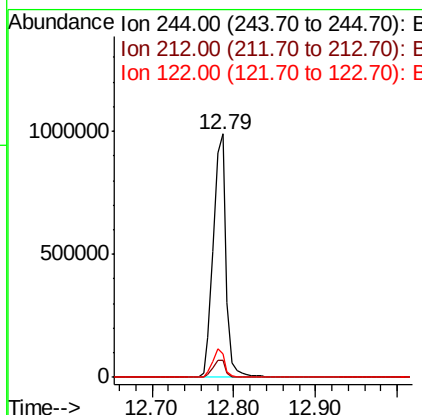
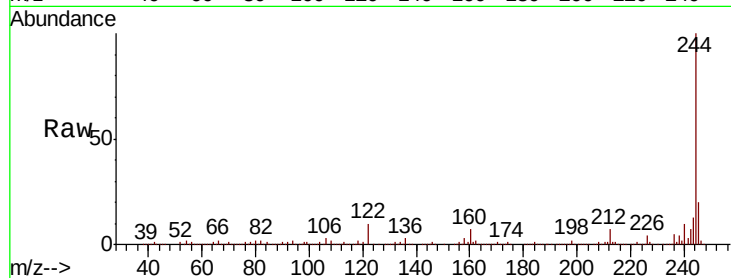


#78
 Terphenyl-d14
 Concen: 67.100 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BF109699.D
 Acq: 9 Oct 2018 17:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1079594

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	9.8	8.7	13.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BF109699.D
 Acq: 9 Oct 2018 17:12

Tgt Ion:264 Resp: 246620

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.5	16.7	25.1

