

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
 Data File : BF109608.D
 Acq On : 5 Oct 2018 13:23
 Operator : JU/SJ
 Sample : J5214-04DL 100X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 05 13:48:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	82458	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	318430	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	161774	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	339283	20.00	ng	0.00
75) Chrysene-d12	13.84	240	279165	20.00	ng	0.00
86) Perylene-d12	15.24	264	247023	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	2285	0.46	ng	-0.04
7) Phenol-d6	6.35	99	4019	0.63	ng	0.00
23) Nitrobenzene-d5	7.26	82	16681	3.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	821	0.51	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	4482	0.42	ng	-0.02
78) Terphenyl-d14	12.79	244	5622	0.49	ng	-0.01

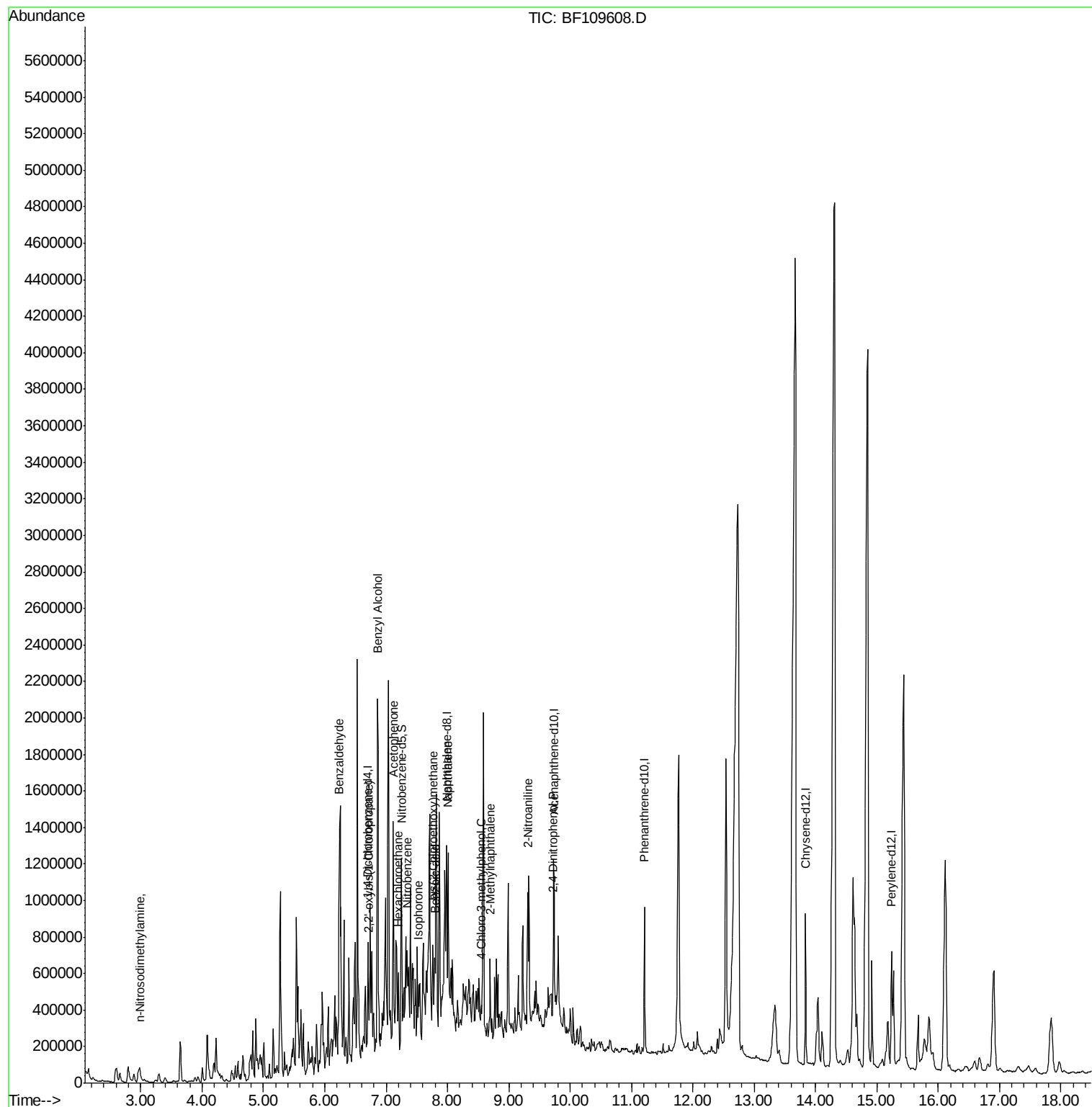
Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	2.98	42	5320	2.107	ng	# 1
9) Benzaldehyde	6.23	77	43575	10.618	ng	# 1
15) Benzyl Alcohol	6.87	79	49527	10.129	ng	# 52
16) 2,2'-oxybis(1-Chloropropan	6.72	45	34016	4.236	ng	# 83
18) Hexachloroethane	7.20	117	8760	3.850	ng	# 1
22) Acetophenone	7.12	105	417621	56.726	ng	# 99
24) Nitrobenzene	7.33	77	14623	2.550	ng	# 1
25) Isophorone	7.53	82	66613	6.858	ng	# 76
28) bis(2-Chloroethoxy)methane	7.76	93	54503	8.476	ng	# 70
31) Naphthalene	8.01	128	299802	20.148	ng	# 99
32) Benzoic acid	7.79	122	4266	8.070	ng	# 1
36) 4-Chloro-3-methylphenol	8.55	107	21537	4.603	ng	# 20
37) 2-Methylnaphthalene	8.70	142	104065	10.849	ng	# 98
47) 2-Nitroaniline	9.31	65	12739	4.267	ng	# 23
53) 2,4-Dinitrophenol	9.72	184	166	8.681	ng	# 1

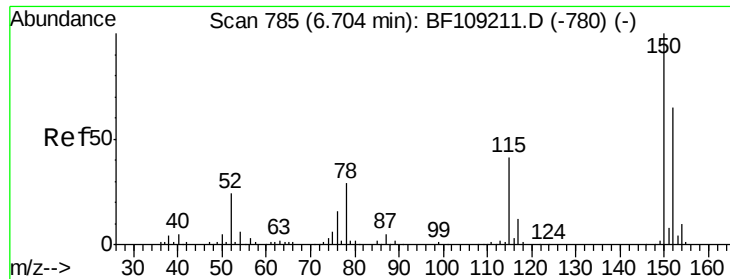
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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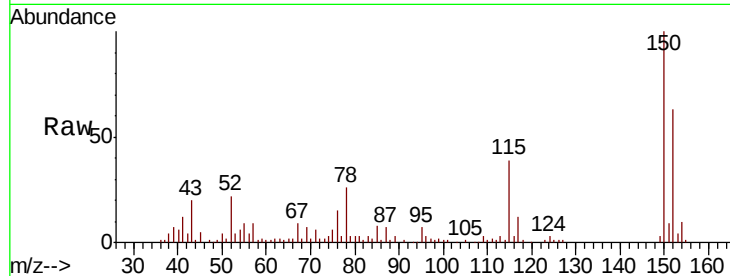




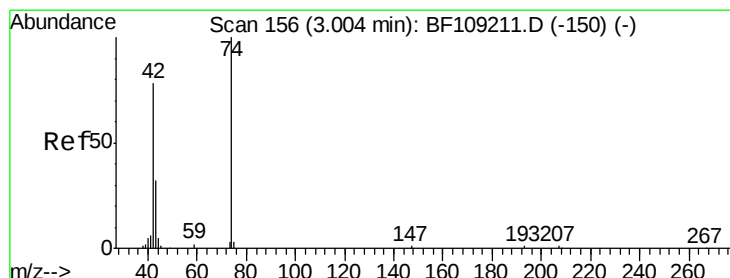
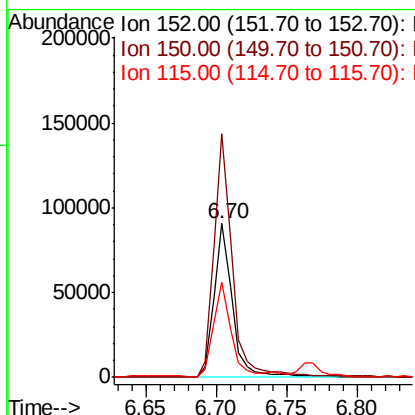
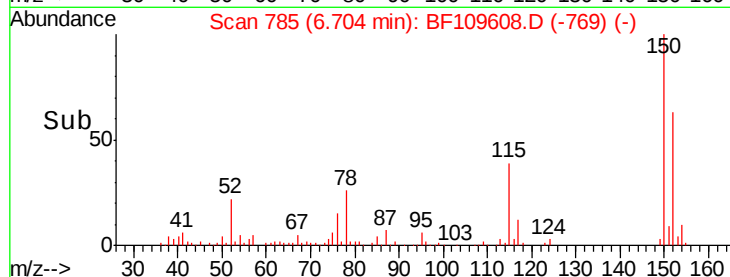
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109608.D
 Acq: 5 Oct 2018 13:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 82458
 Ion Ratio Lower Upper
 152 100
 150 158.2 124.6 186.8
 115 62.0 50.1 75.1

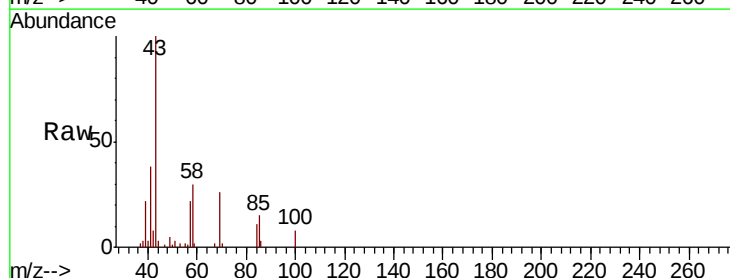


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

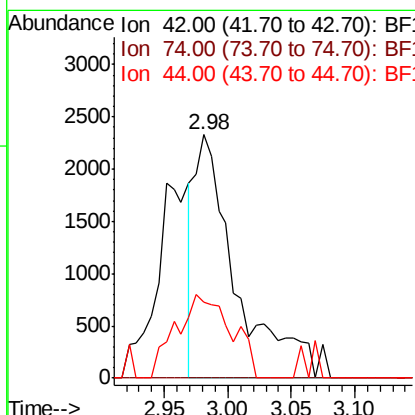
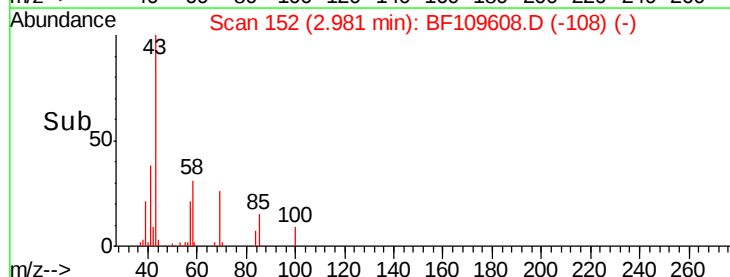


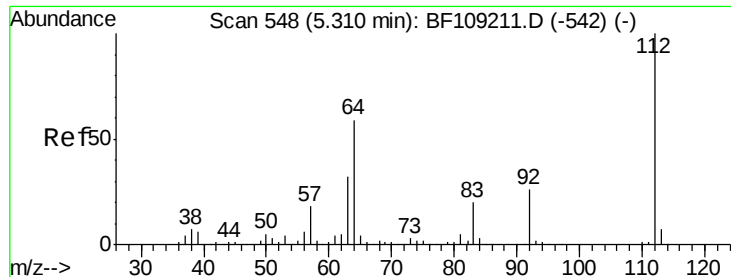
#4
 n-Nitrosodimethylamine
 Concen: 2.107 ng
 RT: 2.98 min Scan# 152
 Delta R.T. -0.04 min
 Lab File: BF109608.D
 Acq: 5 Oct 2018 13:23

Tgt Ion: 42 Resp: 5320
 Ion Ratio Lower Upper
 42 100
 74 0.0 104.9 157.3#
 44 31.2 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 0.456 ng

RT: 5.28 min Scan# 543

Delta R.T. -0.04 min

Lab File: BF109608.D

Acq: 5 Oct 2018 13:23

Instrument :

BNA_F

ClientSampled :

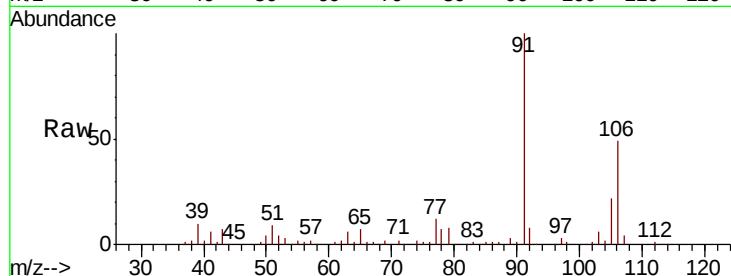
Tot Ion: 112 Resp: 2285

Ion Ratio Lower Upper

112 100

64 94.5 47.9 71.9#

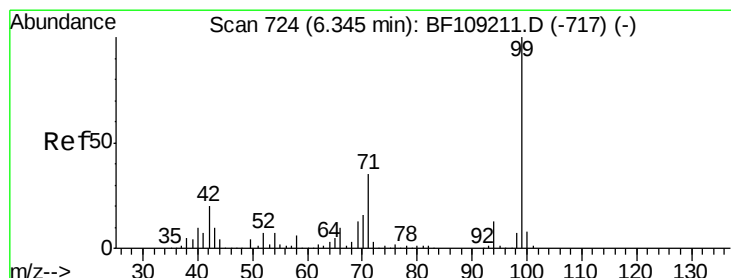
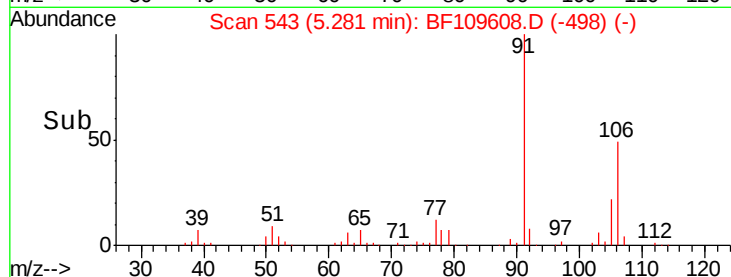
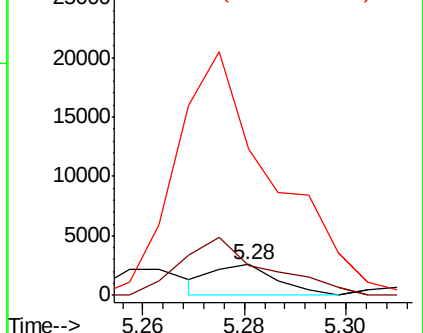
63 471.0 23.7 35.5#



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: 0.629 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109608.D

Acq: 5 Oct 2018 13:23

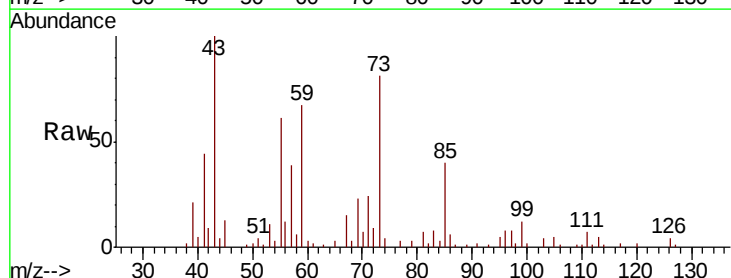
Tgt Ion: 99 Resp: 4019

Ion Ratio Lower Upper

99 100

42 71.4 14.5 21.7#

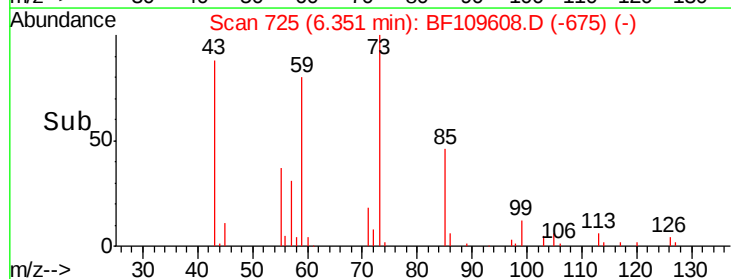
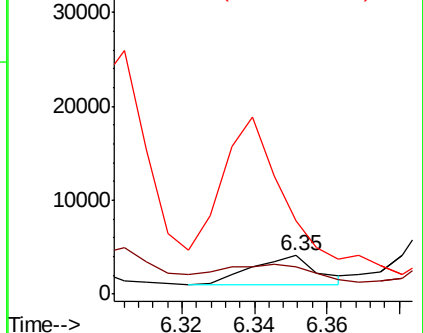
71 191.3 25.4 38.0#

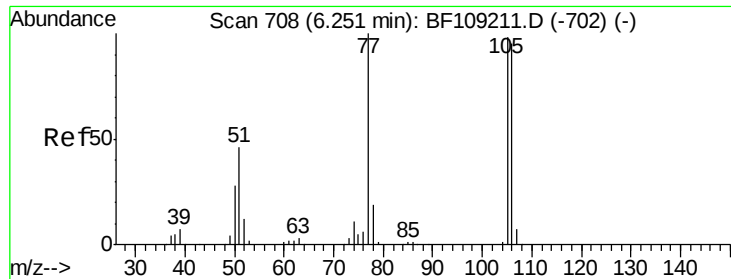


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 10.618 ng

RT: 6.23 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF109608.D

Acq: 5 Oct 2018 13:23

Instrument :

BNA_F

ClientSampled :

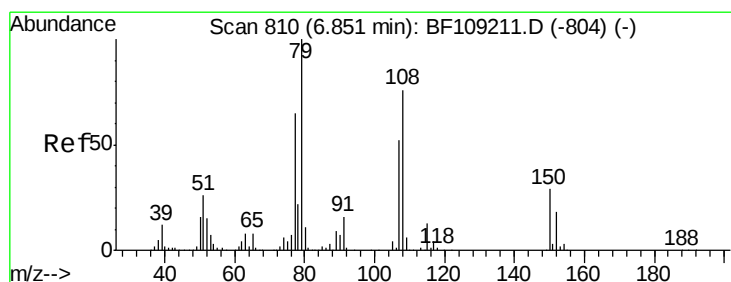
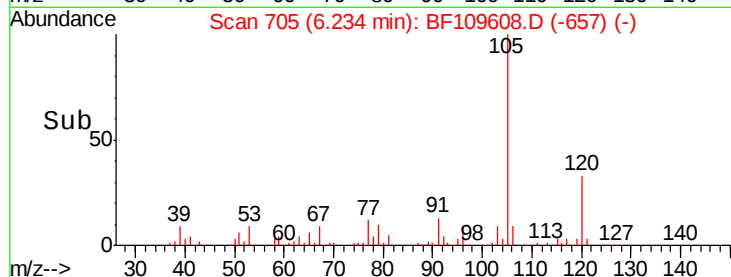
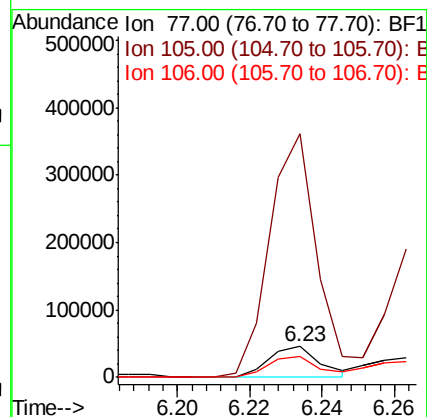
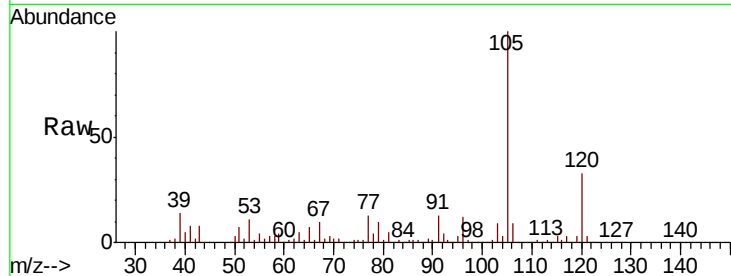
Tot Ion: 77 Resp: 43575

Ion Ratio Lower Upper

77 100

105 790.5 81.1 121.1#

106 67.4 74.5 114.5#



#15

Benzyl Alcohol

Concen: 10.129 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF109608.D

Acq: 5 Oct 2018 13:23

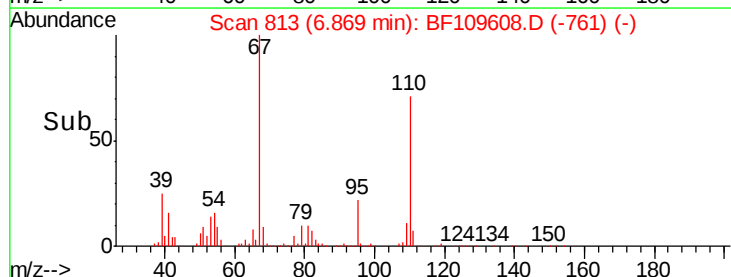
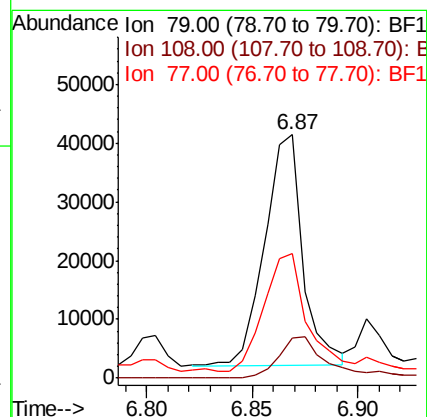
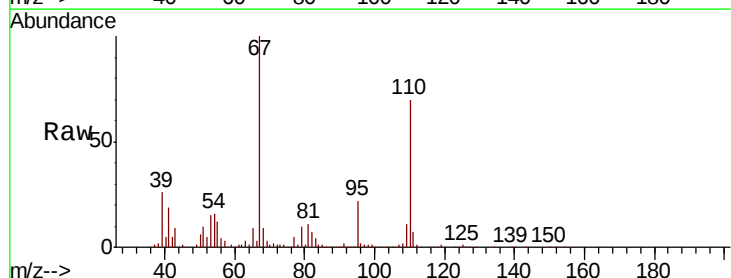
Tgt Ion: 79 Resp: 49527

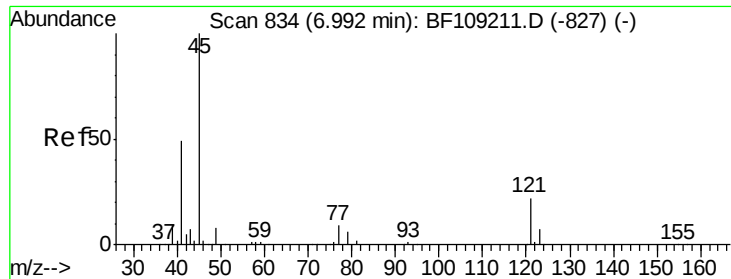
Ion Ratio Lower Upper

79 100

108 16.7 65.1 97.7#

77 51.0 50.6 75.8

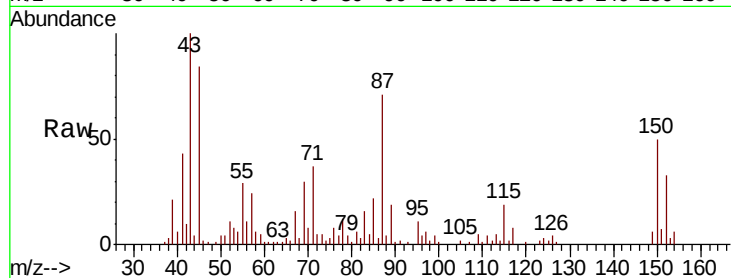




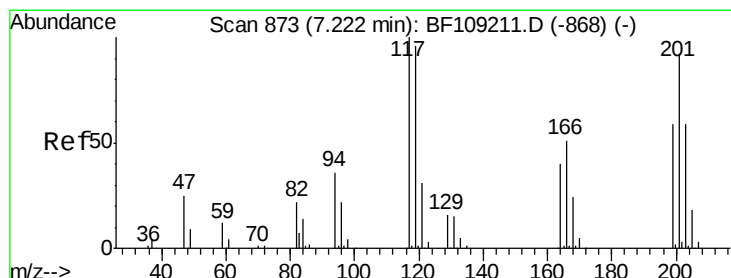
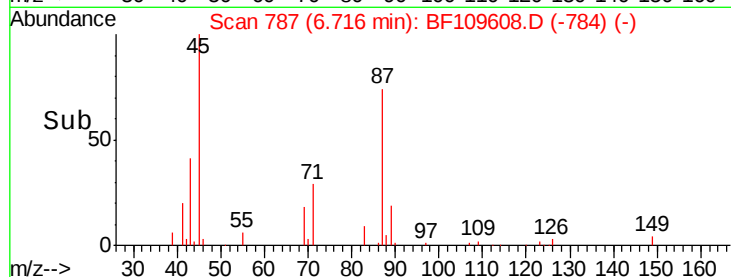
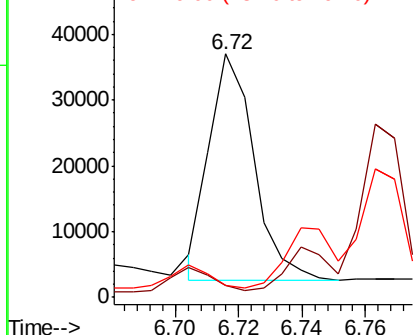
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 4.236 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.28 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

Instrument :
BNA_F
ClientSampled :

Tot Ion: 45 Resp: 34016
Ion Ratio Lower Upper
45 100
77 4.7 0.0 32.9
79 4.9 0.0 29.6

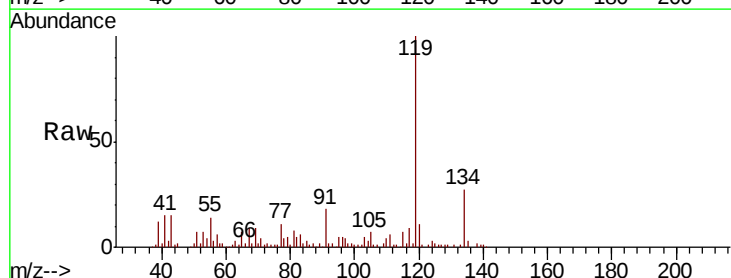


Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

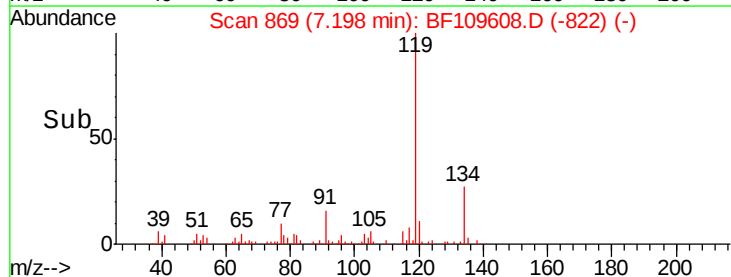
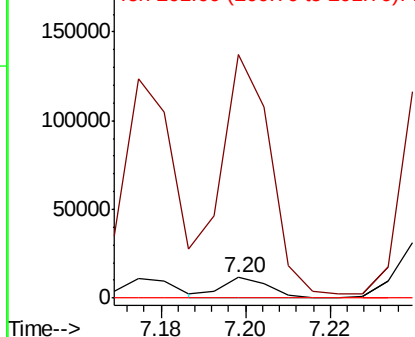


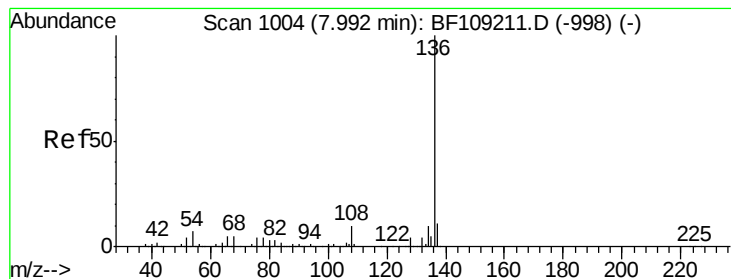
#18
Hexachloroethane
Concen: 3.850 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

Tgt Ion: 117 Resp: 8760
Ion Ratio Lower Upper
117 100
119 1169.7 75.8 113.8#
201 0.0 75.7 113.5#



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: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109608.D

Acq: 5 Oct 2018 13:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 318430

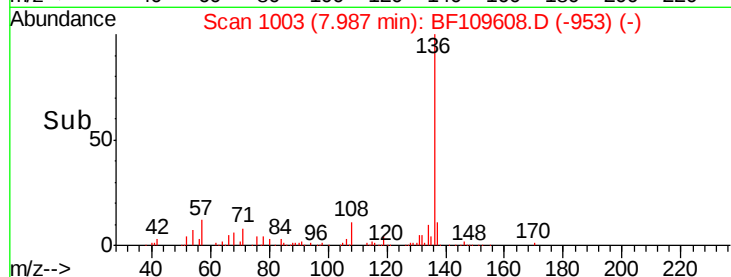
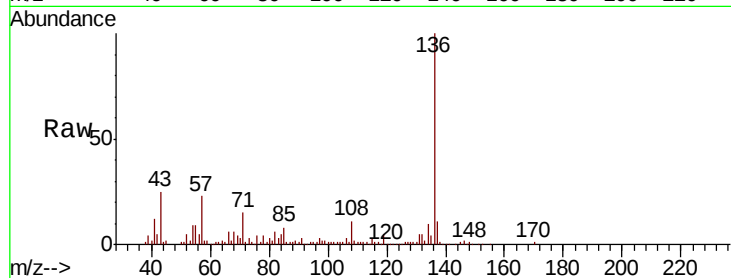
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.7 6.6 9.8

68 6.4 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

Time-->

7.99

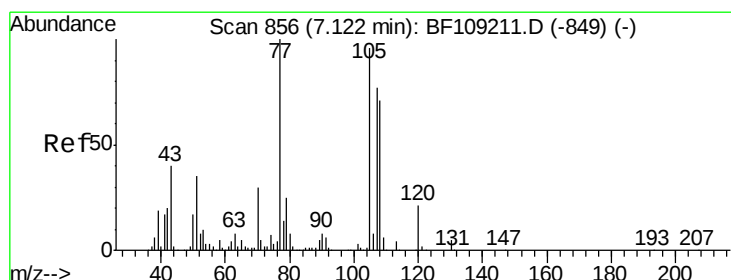
300000

200000

100000

0

7.90 7.95 8.00 8.05



#22

Acetophenone

Concen: 56.726 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF109608.D

Acq: 5 Oct 2018 13:23

Tgt Ion:105 Resp: 417621

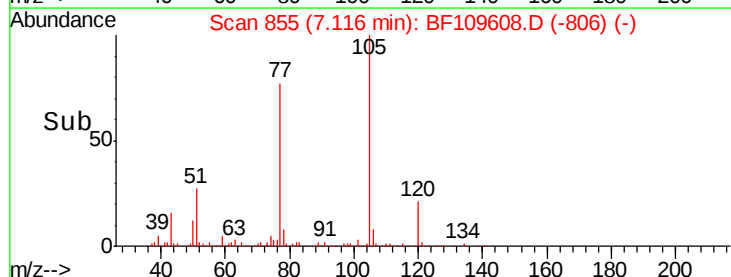
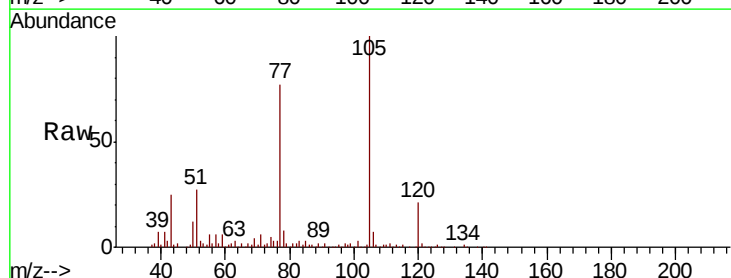
Ion Ratio Lower Upper

105 100

71 5.8 4.4 6.6

51 27.2 22.3 33.5

120 20.6 16.9 25.3



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

Time-->

7.12

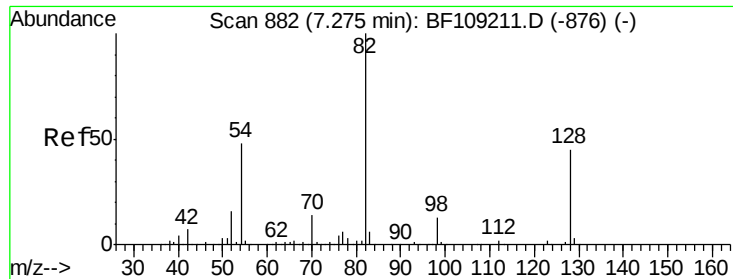
300000

200000

100000

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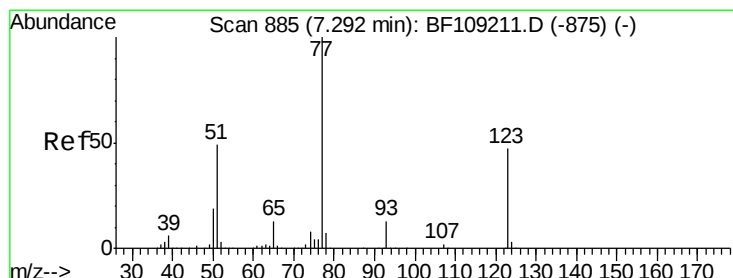
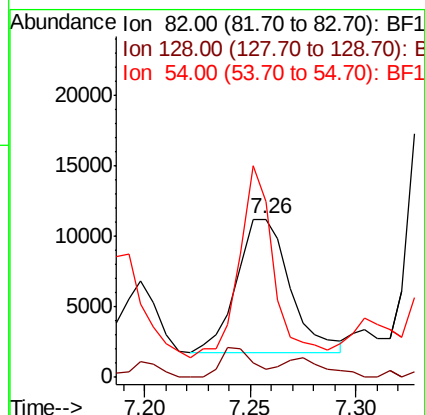
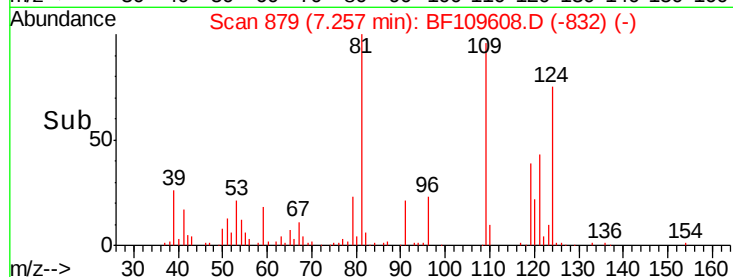
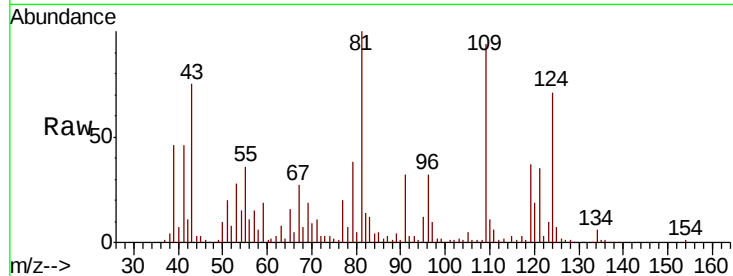
7.05 7.10 7.15



#23
Nitrobenzene-d5
Concen: 3.092 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

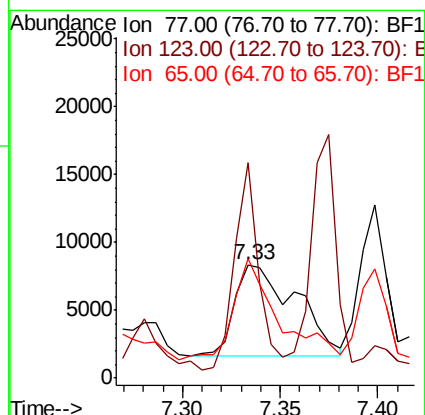
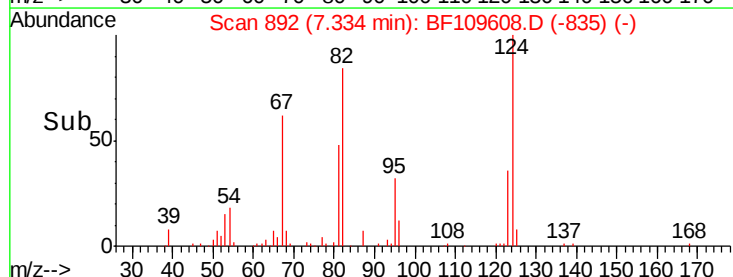
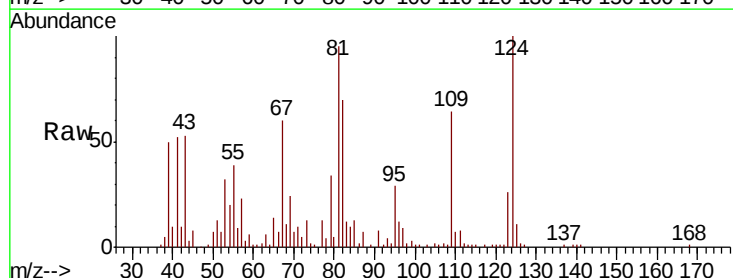
Instrument :
BNA_F
ClientSampleId :

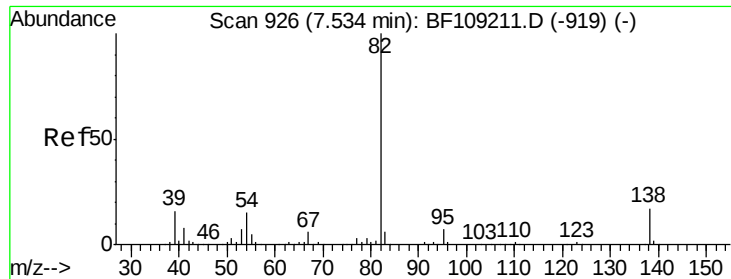
Tot Ion: 82 Resp: 16681
Ion Ratio Lower Upper
82 100
128 5.2 36.1 54.1#
54 110.8 41.4 62.2#



#24
Nitrobenzene
Concen: 2.550 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.04 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

Tgt Ion: 77 Resp: 14623
Ion Ratio Lower Upper
77 100
123 190.7 37.9 56.9#
65 105.6 11.0 16.4#

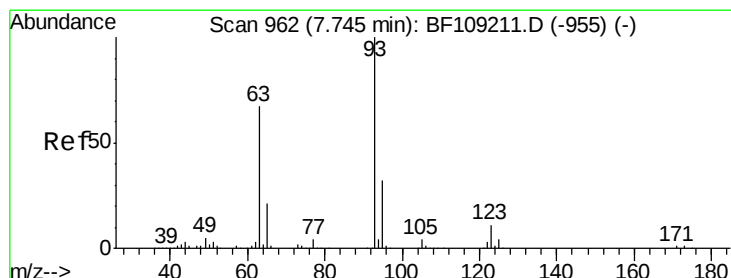
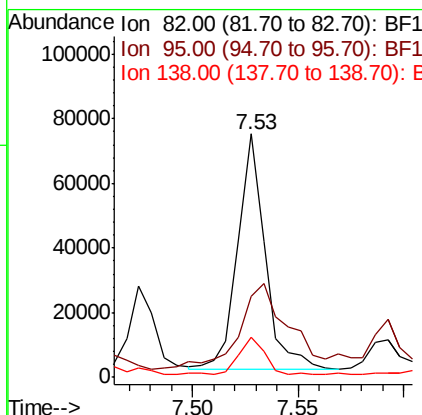
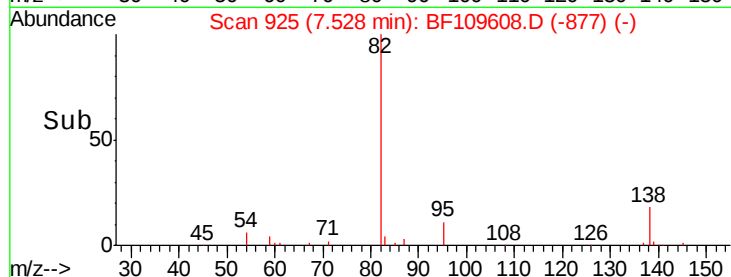
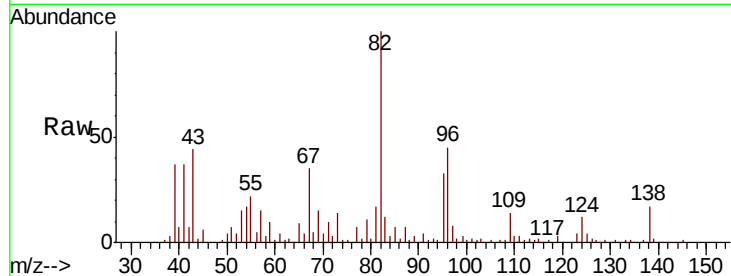




#25
Isophorone
Concen: 6.858 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

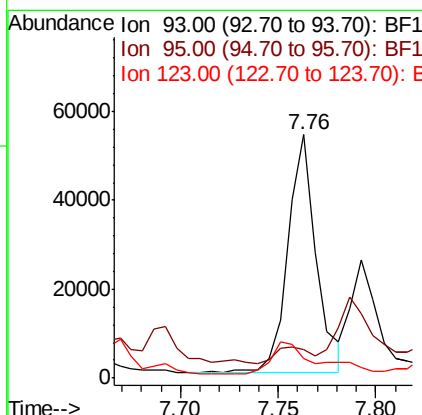
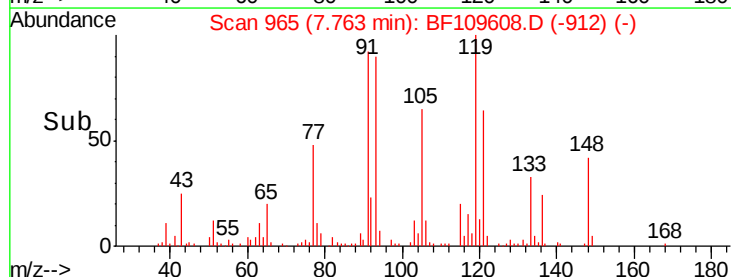
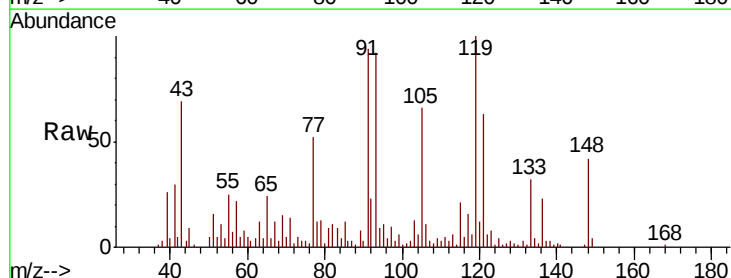
Instrument :
BNA_F
ClientSampleId :

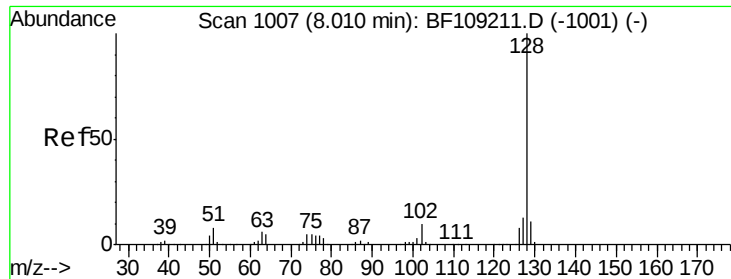
Tot Ion: 82 Resp: 66613
Ion Ratio Lower Upper
82 100
95 33.3 5.2 7.8#
138 16.5 14.9 22.3



#28
bis(2-Chloroethoxy)methane
Concen: 8.476 ng
RT: 7.76 min Scan# 965
Delta R.T. 0.01 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

Tgt Ion: 93 Resp: 54503
Ion Ratio Lower Upper
93 100
95 12.0 26.3 39.5#
123 8.2 9.8 14.6#

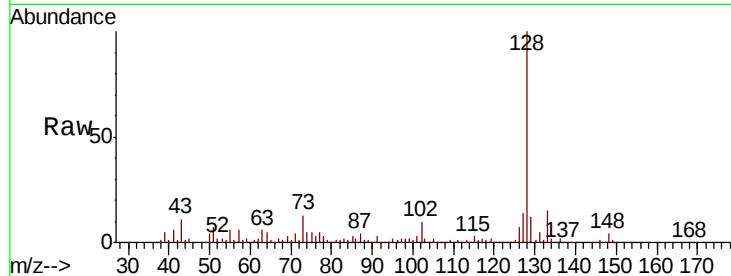




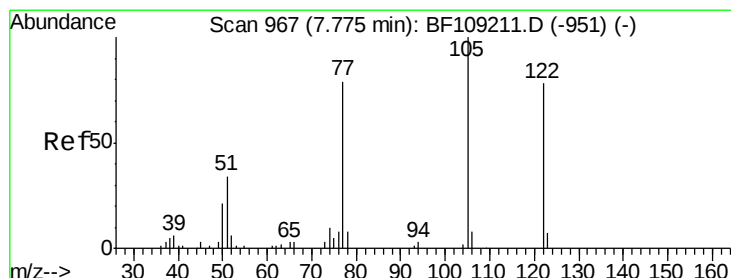
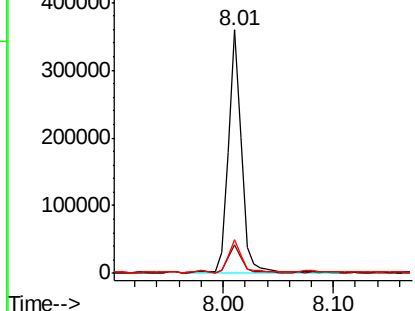
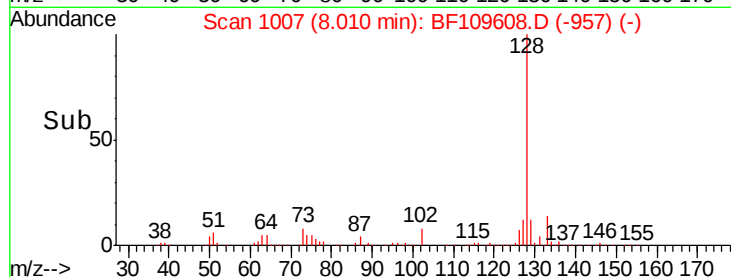
#31
Naphthalene
Concen: 20.148 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 299802
Ion Ratio Lower Upper
128 100
129 11.9 8.8 13.2
127 13.6 10.9 16.3

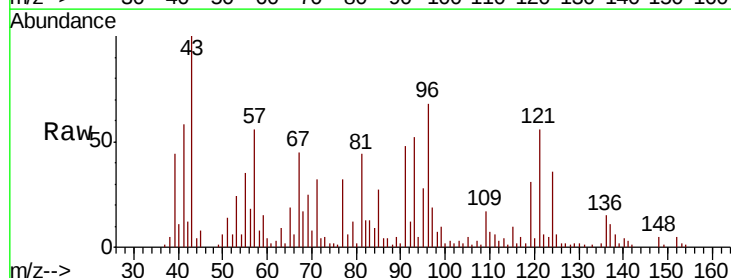


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

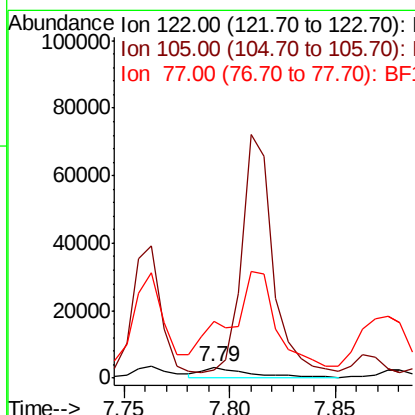
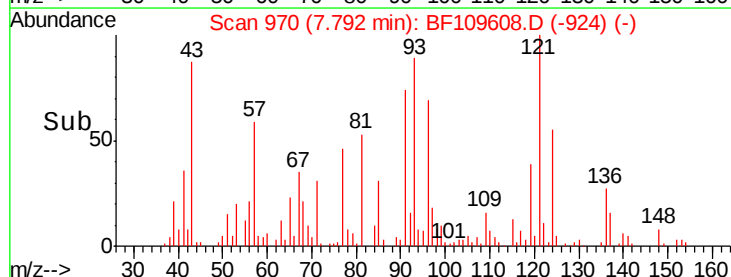


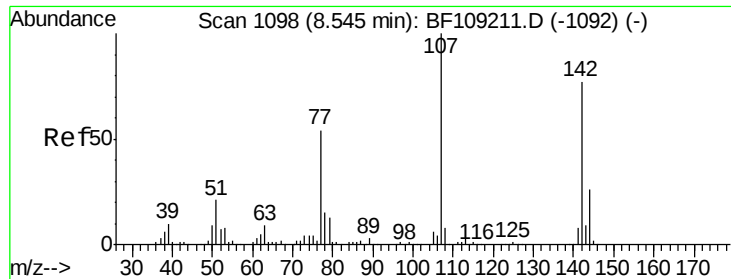
#32
Benzoic acid
Concen: 8.070 ng
RT: 7.79 min Scan# 970
Delta R.T. -0.03 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

Tgt Ion:122 Resp: 4266
Ion Ratio Lower Upper
122 100
105 72.5 101.1 141.1#
77 520.4 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

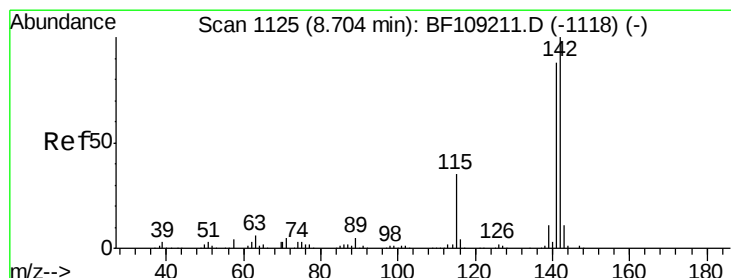
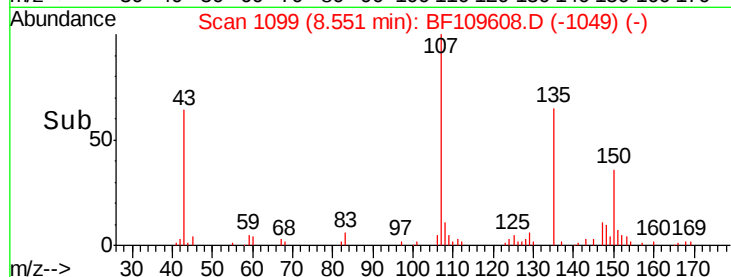
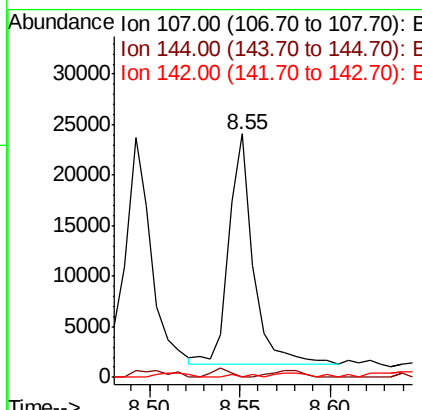
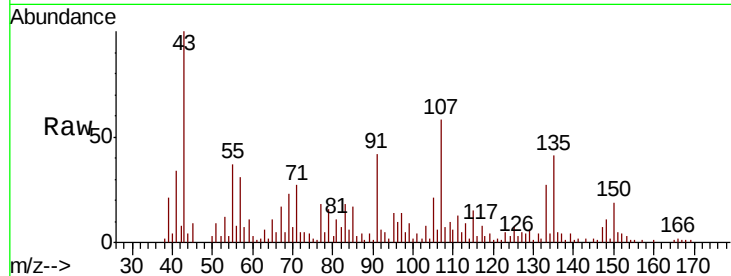




#36
 4-Chloro-3-methylphenol
 Concen: 4.603 ng
 RT: 8.55 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: BF109608.D
 Acq: 5 Oct 2018 13:23

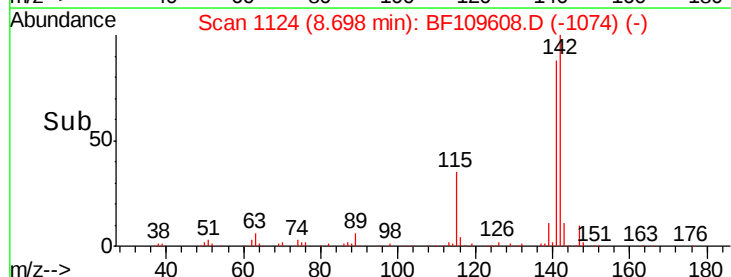
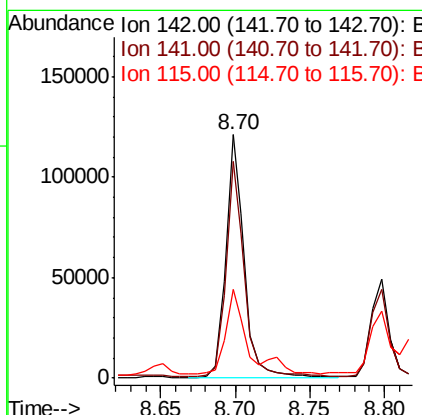
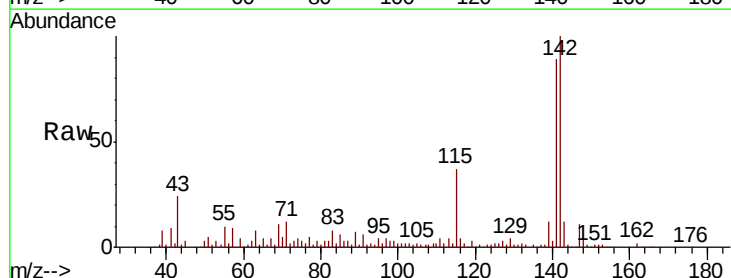
Instrument :
 BNA_F
 ClientSampleID :

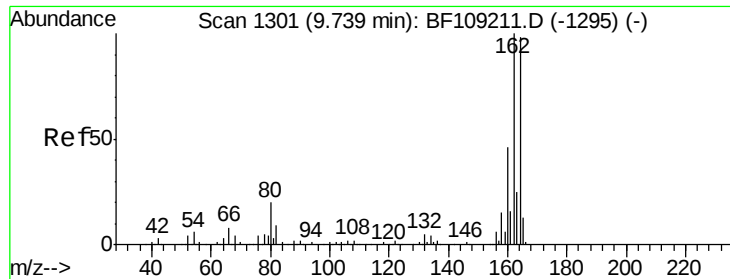
Tot Ion:107 Resp: 21537
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.5 30.7#
 142 0.0 62.0 93.0#



#37
 2-Methylnaphthalene
 Concen: 10.849 ng
 RT: 8.70 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF109608.D
 Acq: 5 Oct 2018 13:23

Tgt Ion:142 Resp: 104065
 Ion Ratio Lower Upper
 142 100
 141 88.9 70.8 106.2
 115 36.6 26.1 39.1

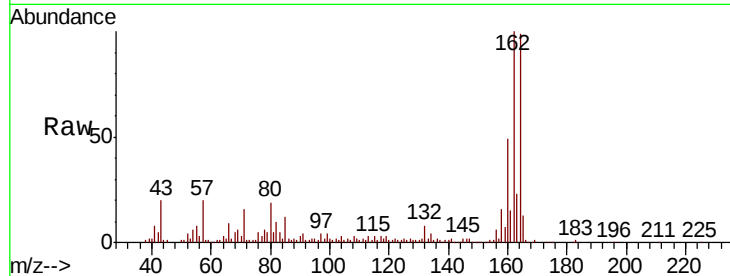




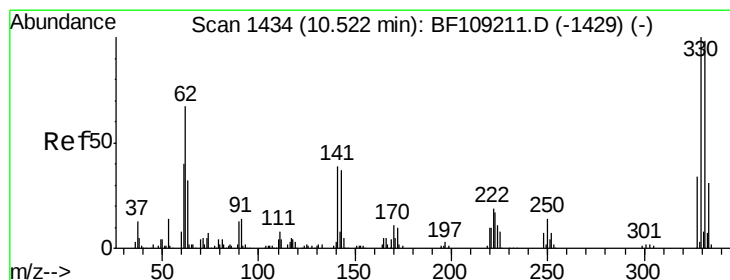
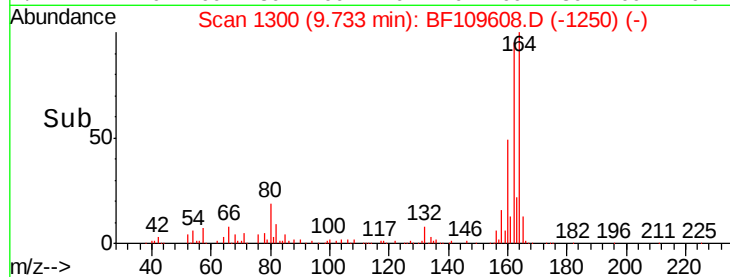
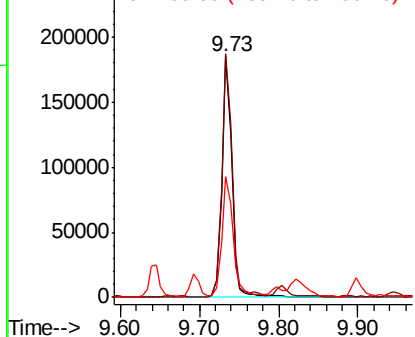
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109608.D
 Acq: 5 Oct 2018 13:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 161774
 Ion Ratio Lower Upper
 164 100
 162 101.2 86.1 129.1
 160 50.1 38.3 57.5

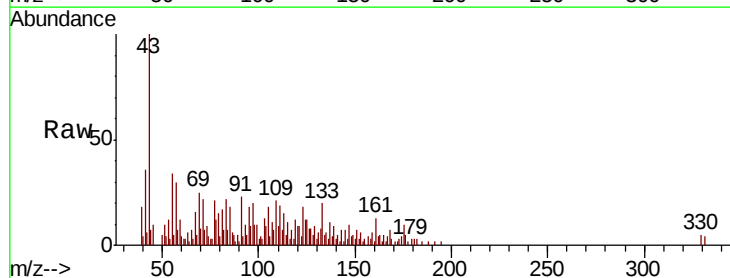


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

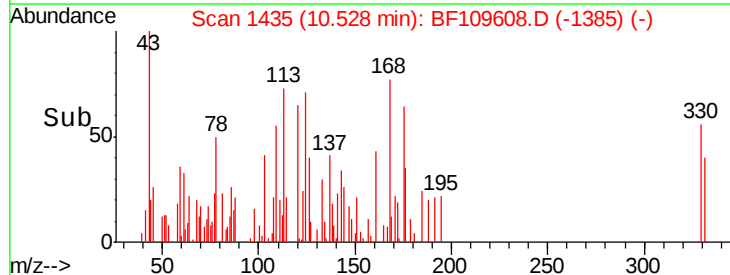
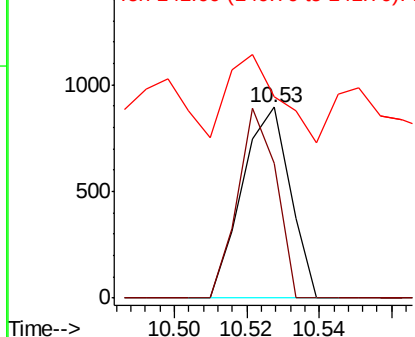


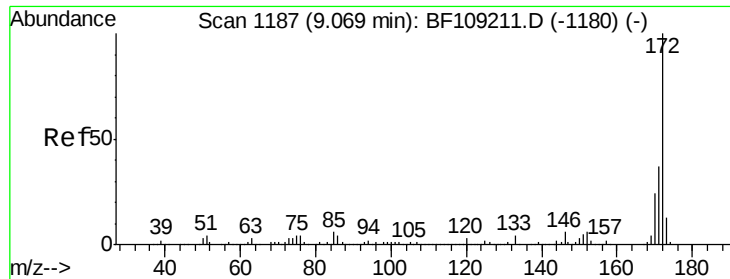
#41
 2,4,6-Tribromophenol
 Concen: 0.515 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109608.D
 Acq: 5 Oct 2018 13:23

Tgt Ion:330 Resp: 821
 Ion Ratio Lower Upper
 330 100
 332 79.5 77.0 115.6
 141 51.2 29.9 44.9#



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

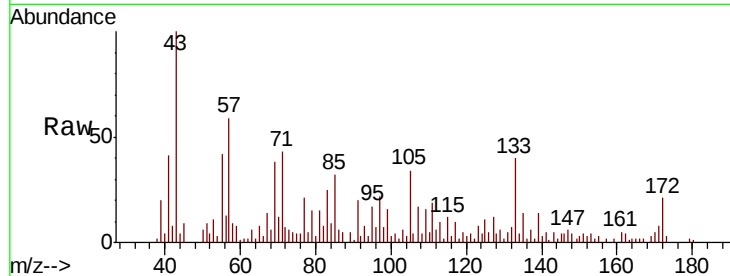




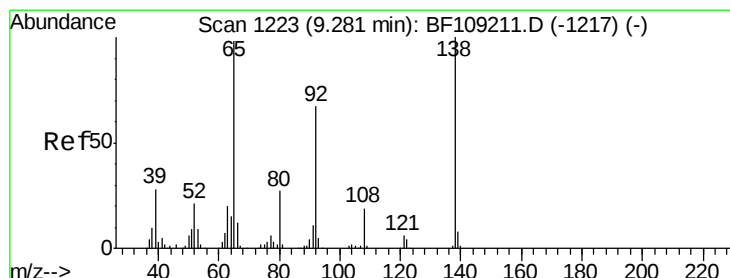
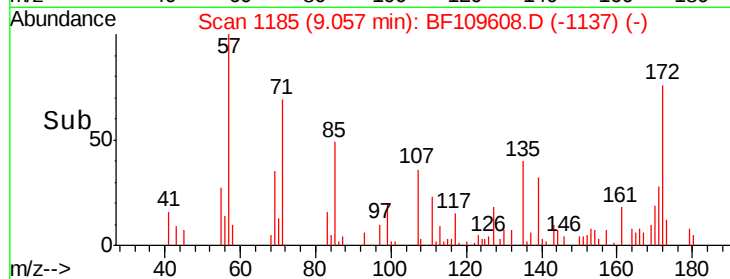
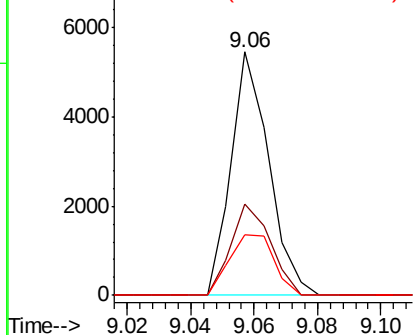
#44
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 4482
Ion Ratio Lower Upper
172 100
171 37.3 29.7 44.5
170 24.9 19.6 29.4

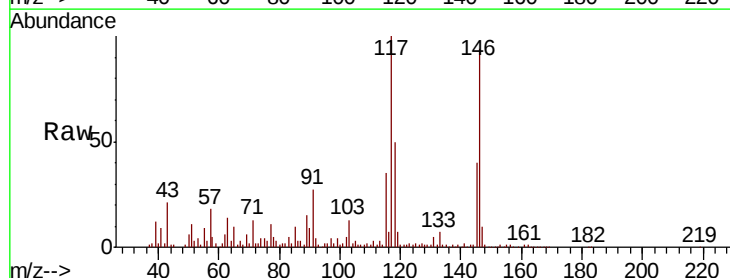


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

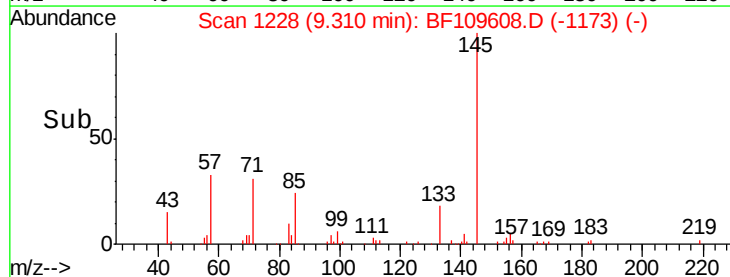
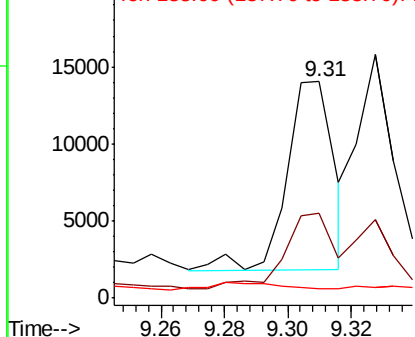


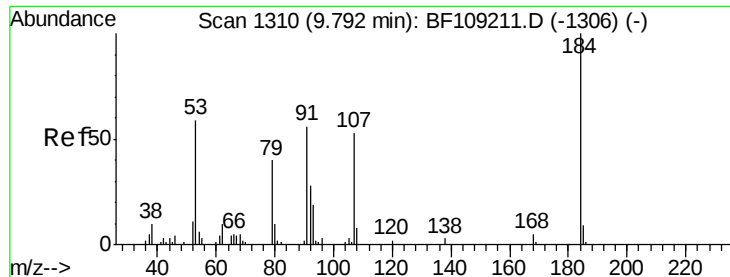
#47
2-Nitroaniline
Concen: 4.267 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.02 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

Tgt Ion: 65 Resp: 12739
Ion Ratio Lower Upper
65 100
92 39.2 55.8 83.6#
138 4.5 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

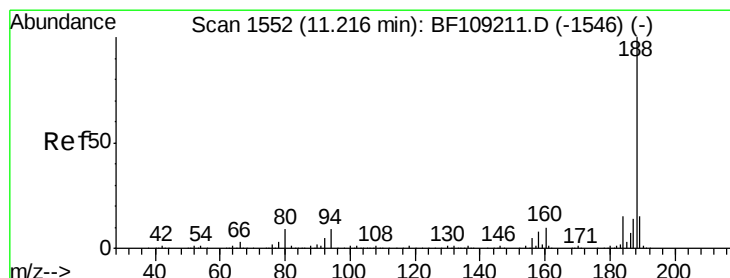
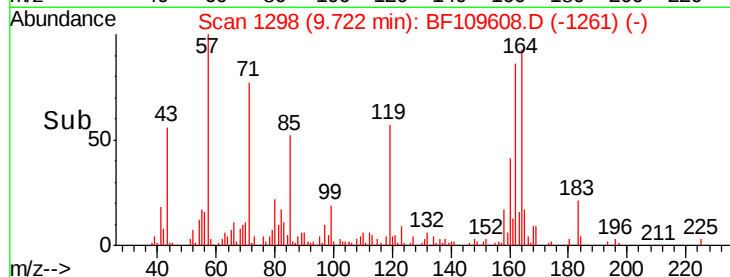
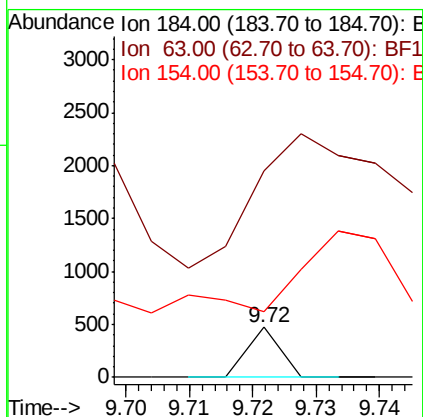
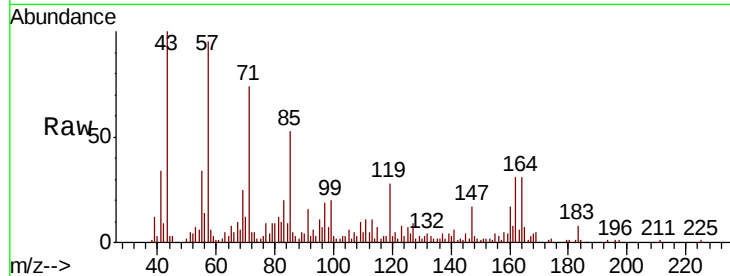




#53
2,4-Dinitrophenol
Concen: 8.681 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.08 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

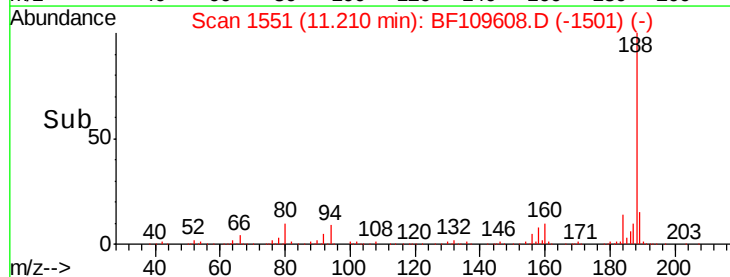
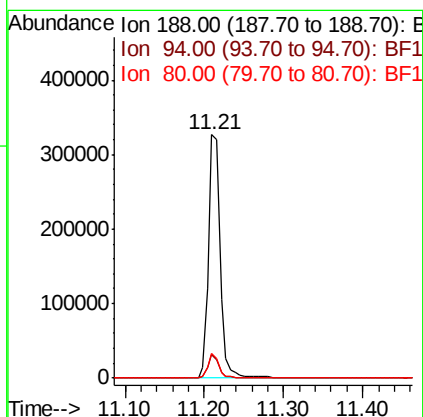
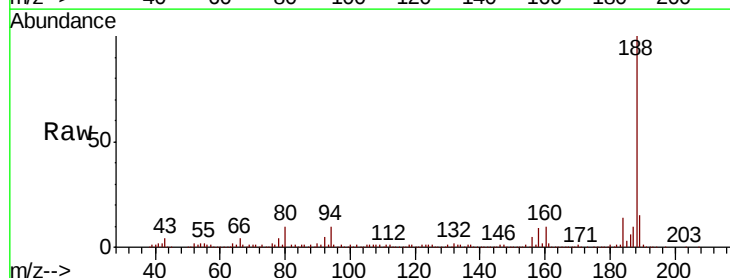
Instrument :
BNA_F
ClientSampleId :

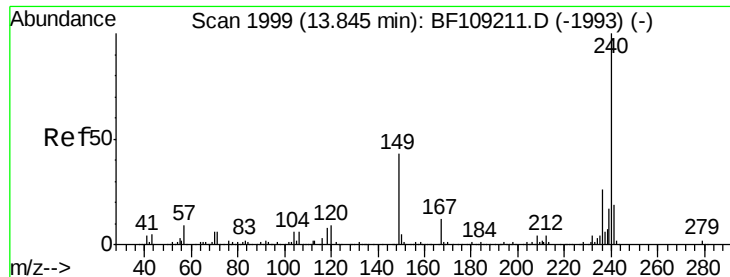
Tot Ion:184 Resp: 166
Ion Ratio Lower Upper
184 100
63 414.9 54.2 81.2#
154 133.0 184.0 276.0#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

Tgt Ion:188 Resp: 339283
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.2 9.2 13.8

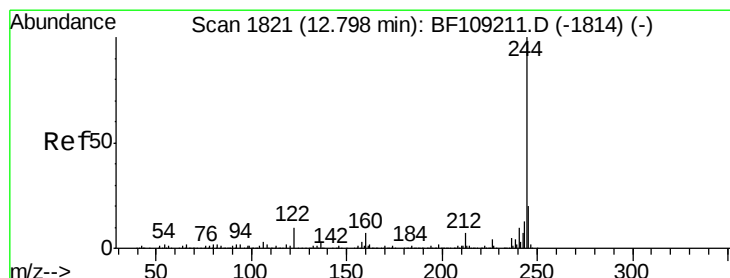
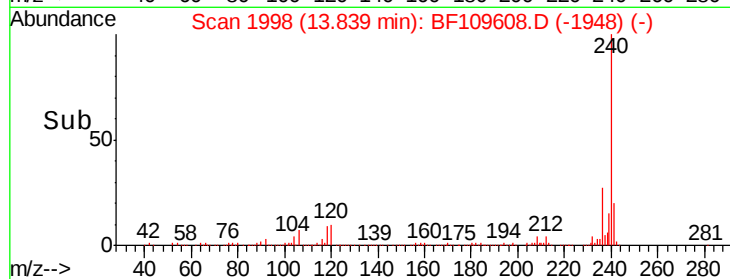
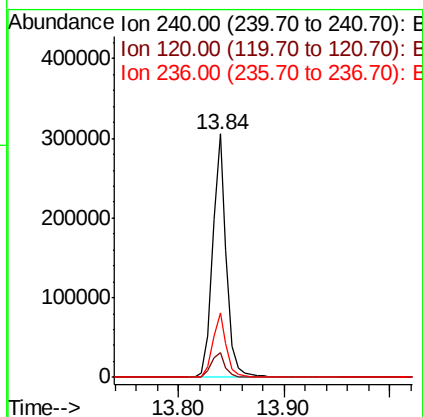
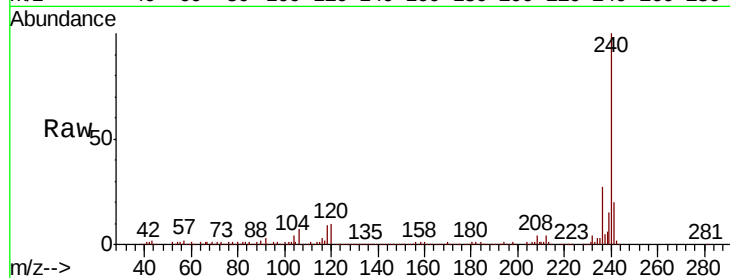




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

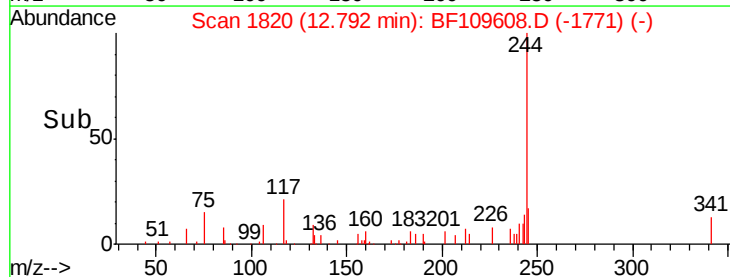
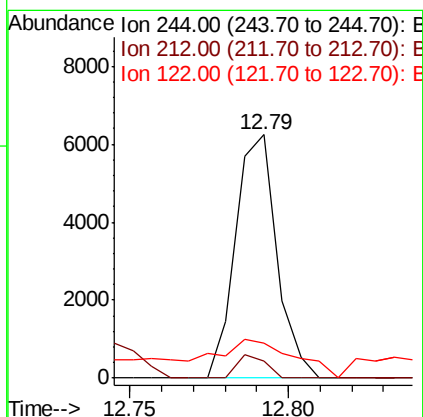
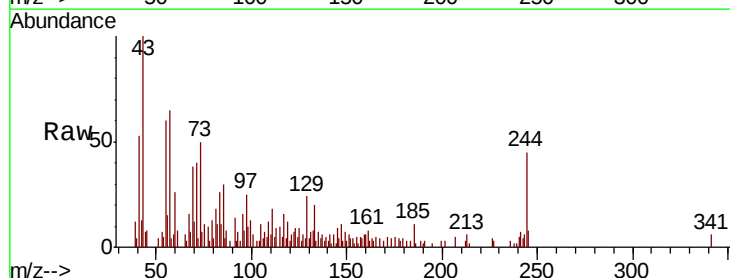
Instrument :
BNA_F
ClientSampleId :

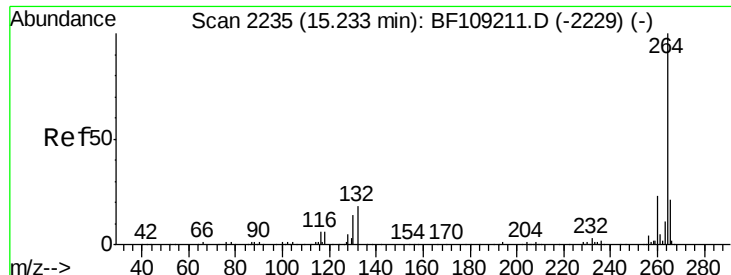
Tot Ion:240 Resp: 279165
Ion Ratio Lower Upper
240 100
120 10.3 9.5 14.3
236 26.5 20.7 31.1



#78
Terphenyl-d14
Concen: 0.494 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF109608.D
Acq: 5 Oct 2018 13:23

Tgt Ion:244 Resp: 5622
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 14.5 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BF109608.D
 Acq: 5 Oct 2018 13:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 247023
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 21.4 17.5 26.3

