

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100818\
 Data File : BF109666.D
 Acq On : 8 Oct 2018 23:49
 Operator : JU/SJ
 Sample : J5294-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HP-SUB

Quant Time: Oct 09 04:06:59 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	6.70	152	108434	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	420697	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	172189	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	284688	20.00	ng	0.00
75) Chrysene-d12	13.83	240	229411	20.00	ng	0.00
86) Perylene-d12	15.22	264	201940	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	870272	142.46	ng	0.00
7) Phenol-d6	6.36	99	1154386	141.46	ng	0.00
23) Nitrobenzene-d5	7.26	82	742508	97.29	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	224807	119.82	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1133521	90.66	ng	0.00
78) Terphenyl-d14	12.78	244	799472	67.46	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.34	88	111	0.035	ng	# 23
6) Aniline	6.47	93	1069	0.112	ng	# 1
9) Benzaldehyde	6.35	77	1621	0.309	ng	# 1
10) Phenol	6.36	94	4684	0.501	ng	# 1
11) bis(2-Chloroethyl)ether	6.47	93	1069	0.138	ng	# 1
15) Benzyl Alcohol	6.85	79	11412	1.886	ng	# 54
16) 2,2'-oxybis(1-Chloropropan	6.86	45	107	0.010	ng	# 1
18) Hexachloroethane	7.07	117	237	0.072	ng	# 2
19) n-Nitroso-di-n-propylamine	7.26	70	98306	17.178	ng	# 79
24) Nitrobenzene	7.26	77	1806	0.227	ng	# 34
25) Isophorone	7.26	82	744255	58.726	ng	# 67
31) Naphthalene	8.00	128	6095	0.313	ng	# 98
33) 4-Chloroaniline	8.00	127	501	0.058	ng	# 27
37) 2-Methylnaphthalene	8.70	142	569	0.045	ng	# 78
45) 1,1'-Biphenyl	9.16	154	1774	0.115	ng	# 88
46) 2-Chloronaphthalene	9.45	162	319	0.028	ng	# 1
47) 2-Nitroaniline	9.45	65	465	0.133	ng	# 1
48) Acenaphthylene	9.59	152	1871	0.111	ng	# 82
49) Dimethylphthalate	9.45	163	69722	5.521	ng	# 99
50) 2,6-Dinitrotoluene	9.72	165	21457	7.838	ng	# 22
51) Acenaphthene	9.76	154	1004	0.101	ng	# 95
54) Dibenzofuran	9.95	168	1263	0.085	ng	# 42
55) 4-Nitrophenol	9.94	139	137	0.082	ng	# 6
56) 2,4-Dinitrotoluene	9.72	165	21458	6.281	ng	# 18
57) Fluorene	10.27	166	1163	0.104	ng	# 83
59) Diethylphthalate	10.15	149	1202	0.096	ng	# 83
62) Azobenzene	10.51	77	996	0.078	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.51	198	292	0.211	ng	# 1
65) n-Nitrosodiphenylamine	10.51	169	7375	0.764	ng	# 47
66) 4-Bromophenyl-phenylether	10.51	248	13754	4.205	ng	# 1
70) Phenanthrene	11.23	178	11030	0.774	ng	# 99
71) Anthracene	11.29	178	6797	0.462	ng	# 97
72) Carbazole	11.46	167	406	0.028	ng	# 59
73) Di-n-butylphthalate	11.76	149	2282	0.138	ng	# 77

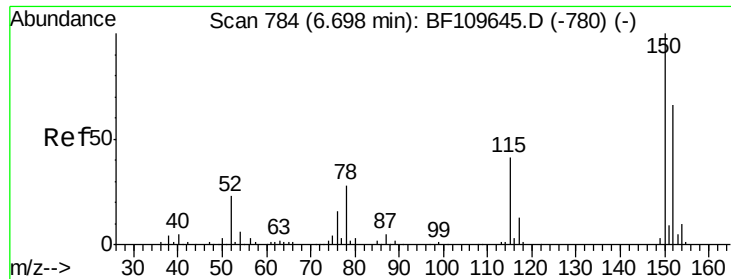
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.41	202	17882	1.201	ng	97
76) Benzidine	12.78	184	10371	1.217	ng	98
77) Pyrene	12.63	202	16491	0.981	ng	97
80) Benzo(a)anthracene	13.82	228	10034	0.793	ng	# 92
82) Chrysene	13.82	228	10034	0.755	ng	96
83) Bis(2-ethylhexyl)phthalate	13.82	149	1181	0.133	ng	# 98
84) Di-n-octyl phthalate	14.66	149	112	0.008	ng	# 76
85) Indeno(1,2,3-cd)pyrene	16.57	276	2993	0.314	ng	# 83
87) Benzo(b)fluoranthene	14.83	252	12621	1.131	ng	# 93
88) Benzo(k)fluoranthene	14.83	252	12621	1.126	ng	# 92
89) Benzo(a)pyrene	15.17	252	7433	0.734	ng	# 93
90) Dibenzo(a,h)anthracene	16.57	278	690	0.083	ng	# 56
91) Benzo(g,h,i)perylene	16.97	276	2527	0.304	ng	# 75

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

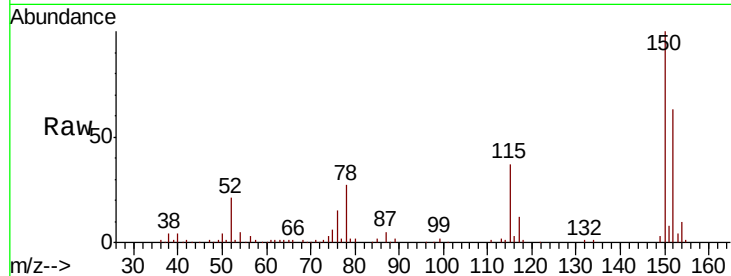


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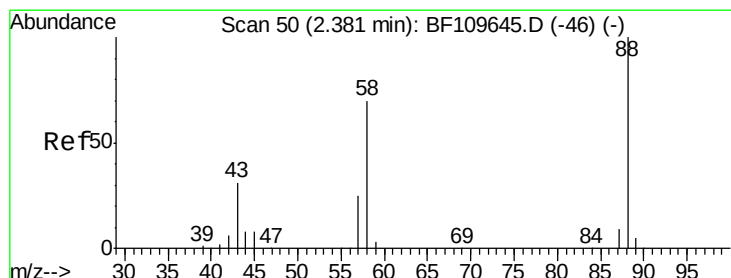
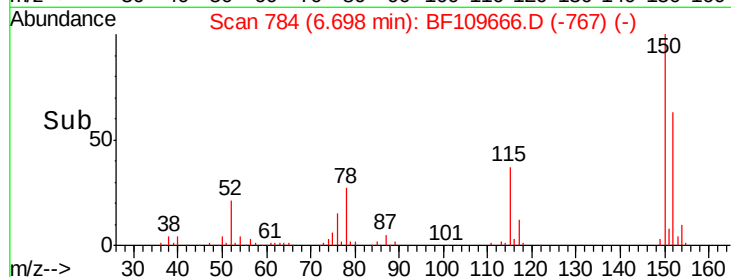
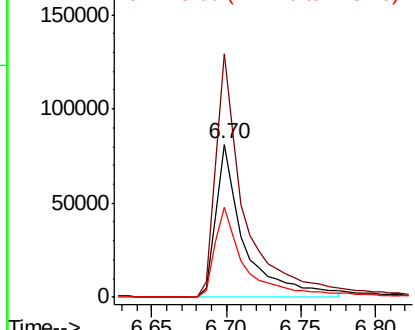
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HP-SUB

Tgt Ion:152 Resp: 108434
Ion Ratio Lower Upper
152 100
150 159.3 122.7 184.1
115 58.6 49.1 73.7



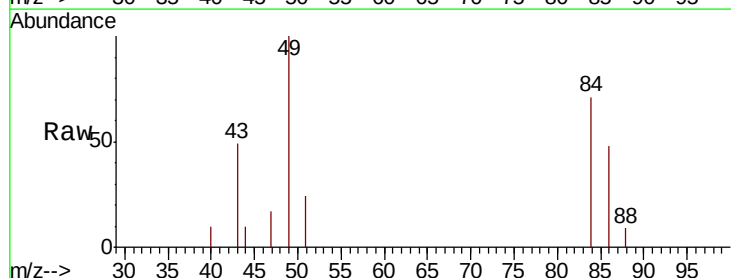
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



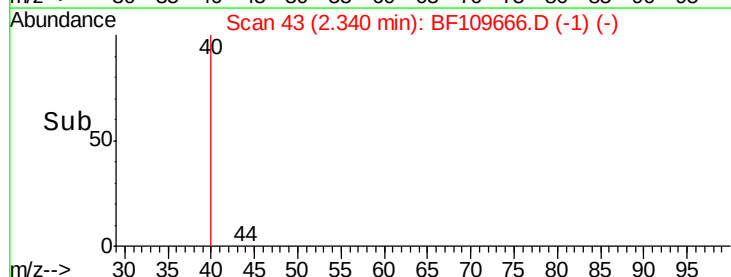
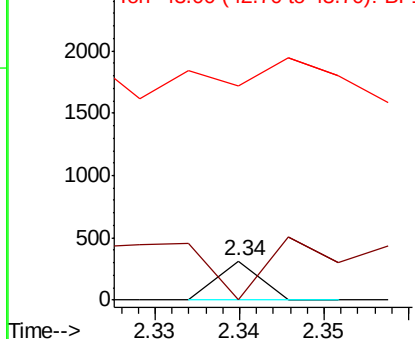
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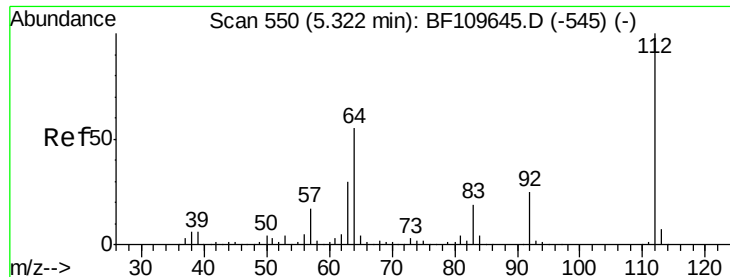
1,4-Dioxane
Concen: 0.035 ng
RT: 2.34 min Scan# 43
Delta R.T. -0.04 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Tgt Ion: 88 Resp: 111
Ion Ratio Lower Upper
88 100
58 0.0 57.1 85.7#
43 0.0 24.1 36.1#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 142.461 ng

RT: 5.33 min Scan# 551

Delta R.T. 0.01 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

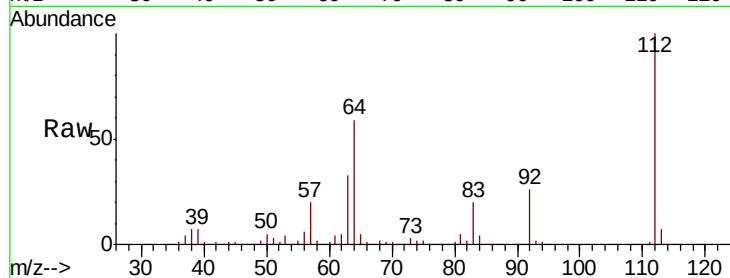
Tgt Ion: 112 Resp: 870272

Ion Ratio Lower Upper

112 100

64 59.5 44.1 66.1

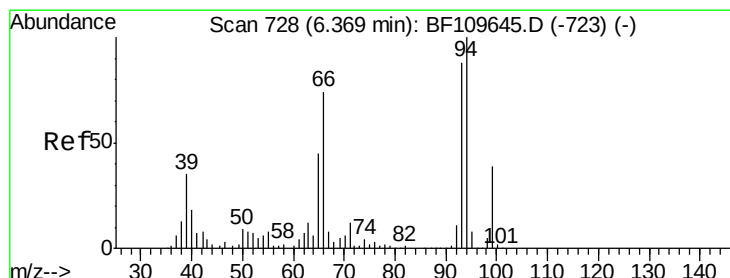
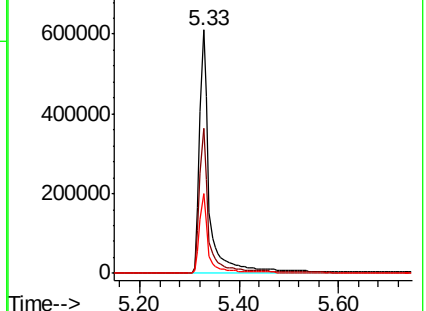
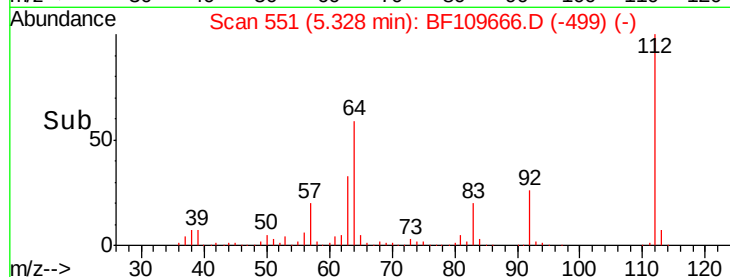
63 32.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.112 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.11 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

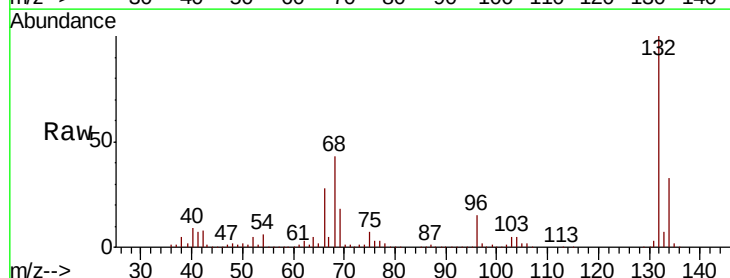
Tgt Ion: 93 Resp: 1069

Ion Ratio Lower Upper

93 100

66 18169.7 67.4 101.0#

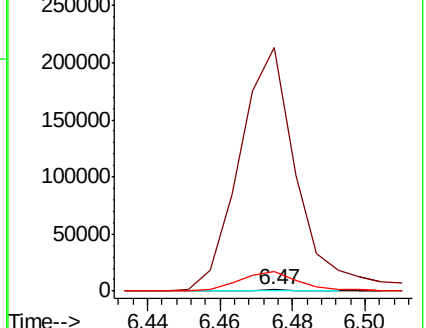
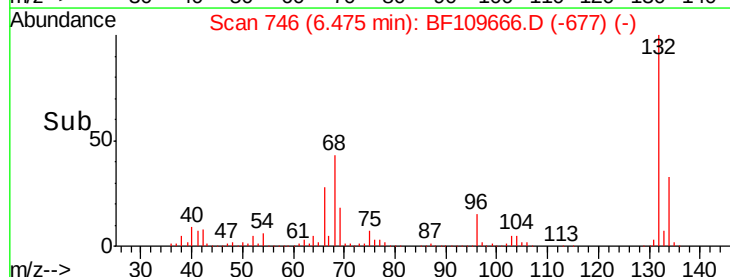
65 1467.1 41.0 61.4#

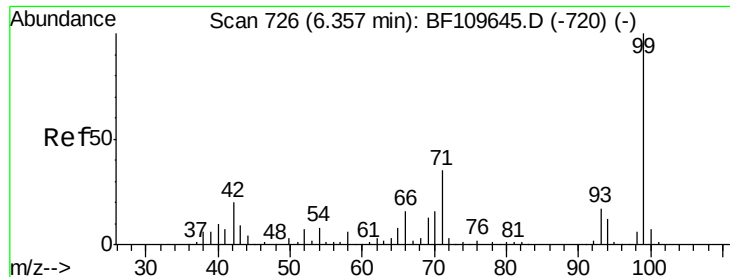


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 141.456 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

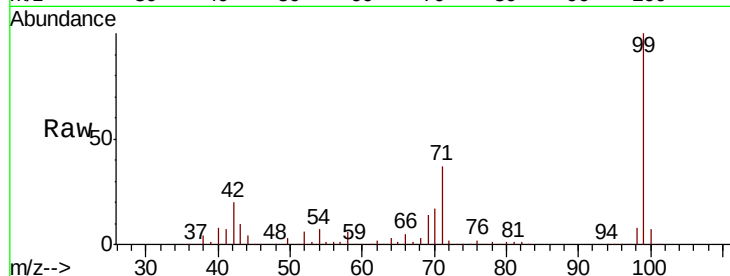
Tgt Ion: 99 Resp: 1154386

Ion Ratio Lower Upper

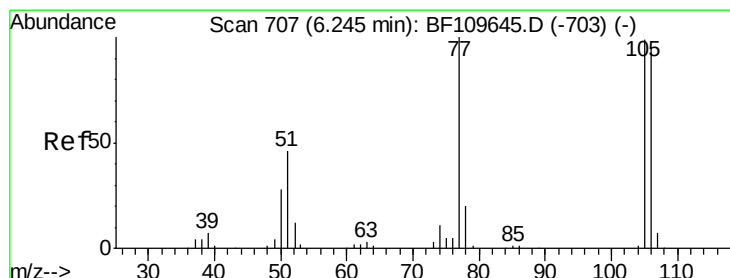
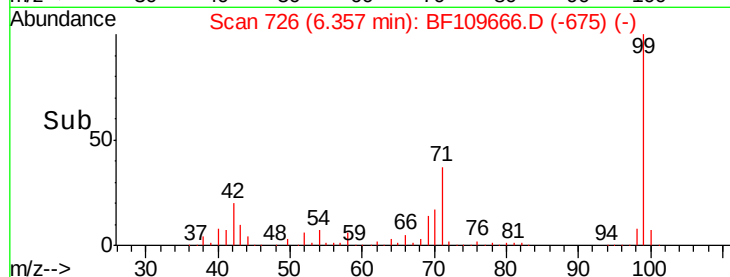
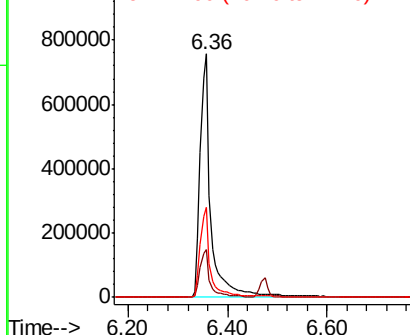
99 100

42 19.6 15.8 23.6

71 36.9 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



#9

Benzaldehyde

Concen: 0.309 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.11 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

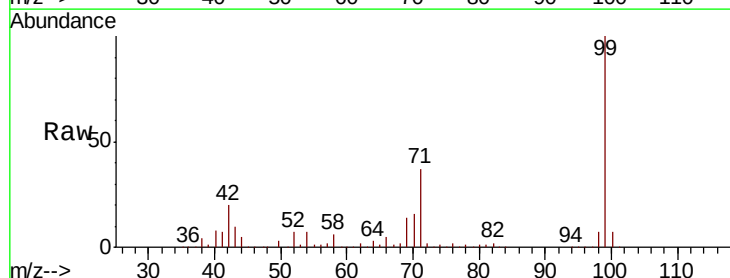
Tgt Ion: 77 Resp: 1621

Ion Ratio Lower Upper

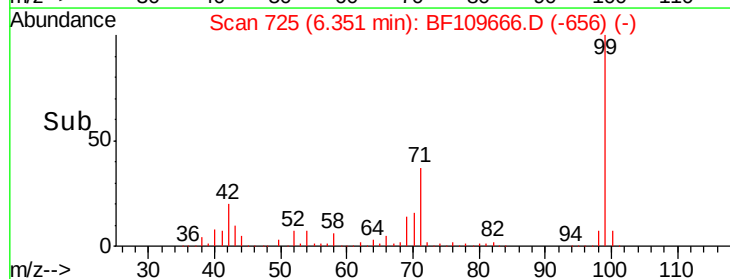
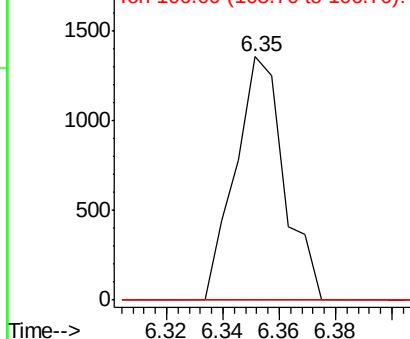
77 100

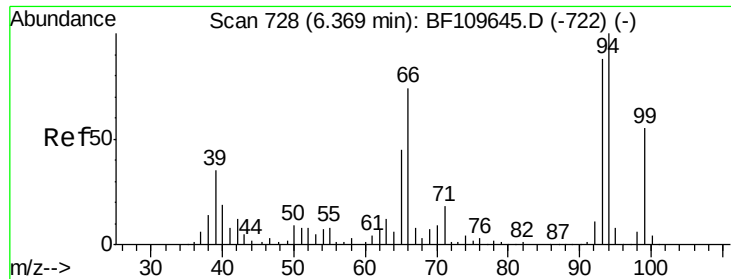
105 0.0 78.6 118.6#

106 0.0 74.8 114.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

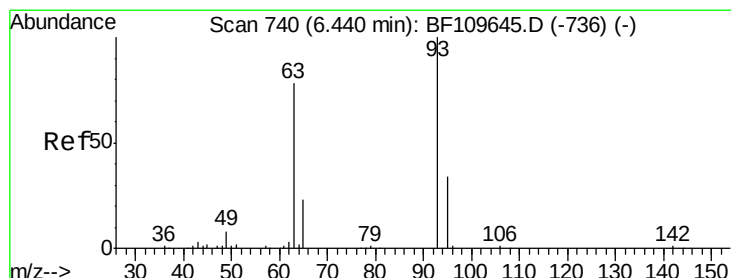
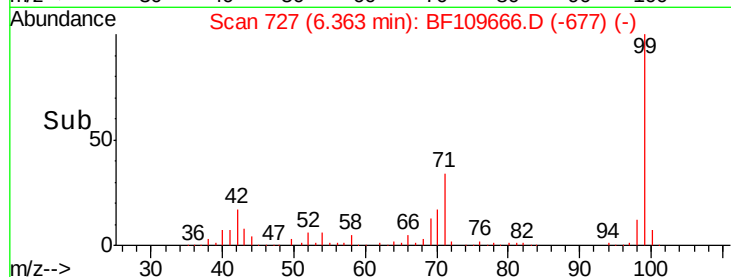
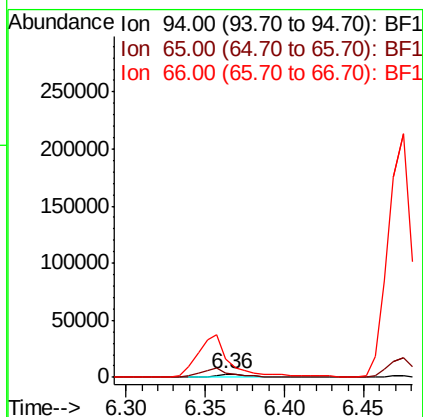
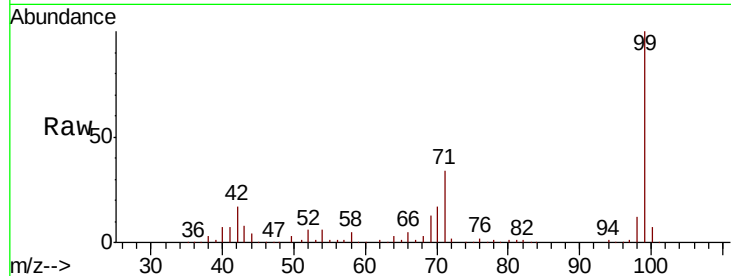




#10
Phenol
Concen: 0.501 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

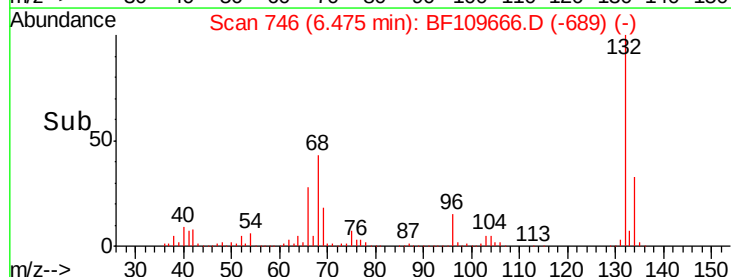
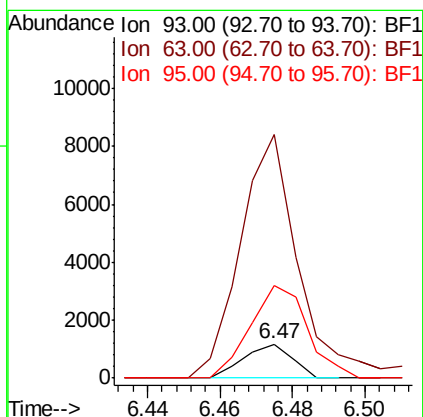
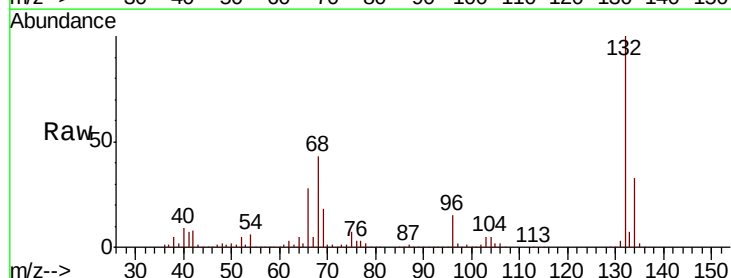
Instrument :
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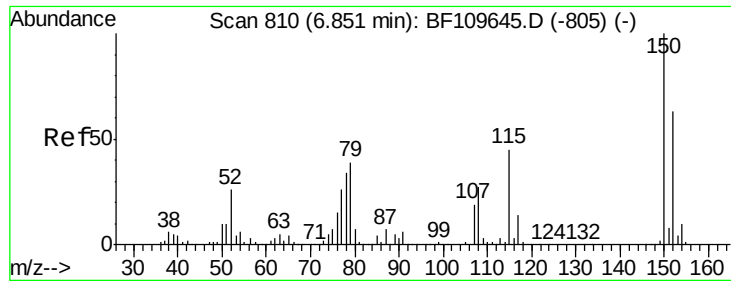
Tgt Ion: 94 Resp: 4684
Ion Ratio Lower Upper
94 100
65 127.2 25.3 65.3#
66 527.9 54.5 94.5#



#11
bis(2-Chloroethyl)ether
Concen: 0.138 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.04 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Tgt Ion: 93 Resp: 1069
Ion Ratio Lower Upper
93 100
63 715.9 53.4 93.4#
95 270.8 12.1 52.1#

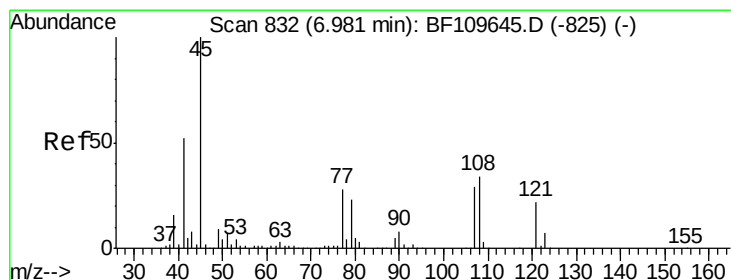
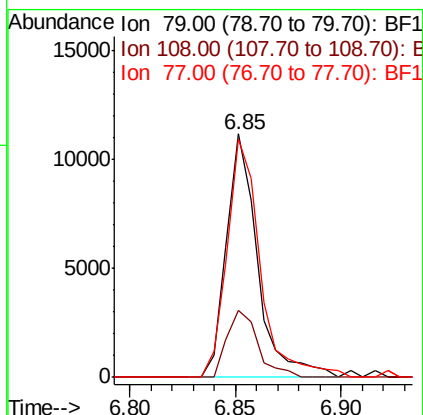
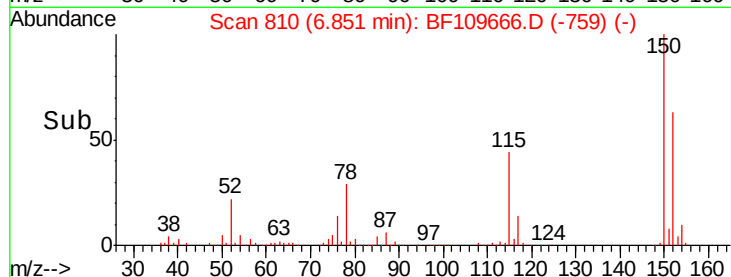
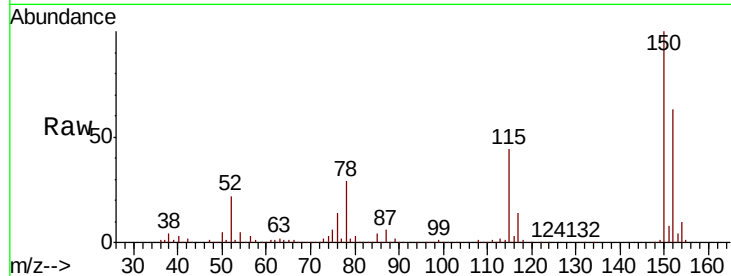




#15
Benzyl Alcohol
Concen: 1.886 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

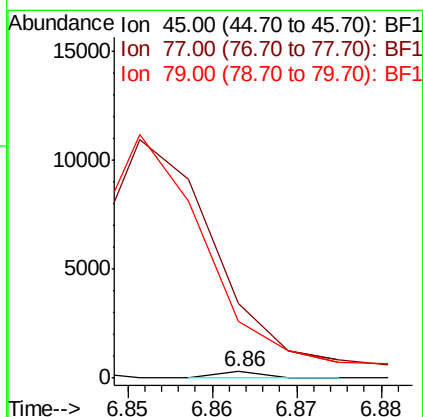
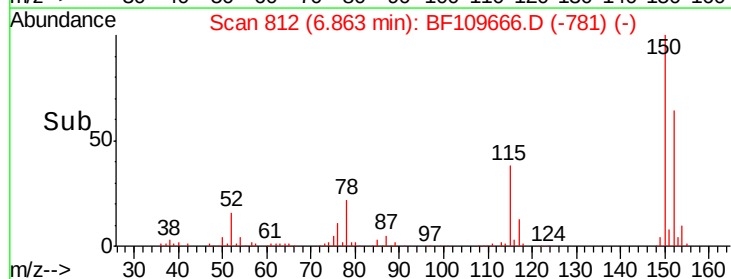
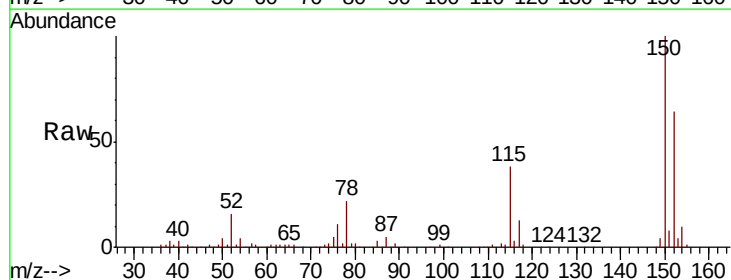
Instrument :
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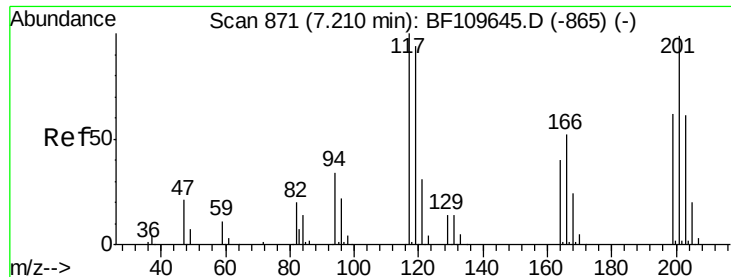
Tgt Ion: 79 Resp: 11412
Ion Ratio Lower Upper
79 100
108 27.7 56.3 84.5#
77 97.9 52.9 79.3#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.010 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.12 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Tgt Ion: 45 Resp: 107
Ion Ratio Lower Upper
45 100
77 1139.4 10.0 50.0#
79 854.3 6.1 46.1#

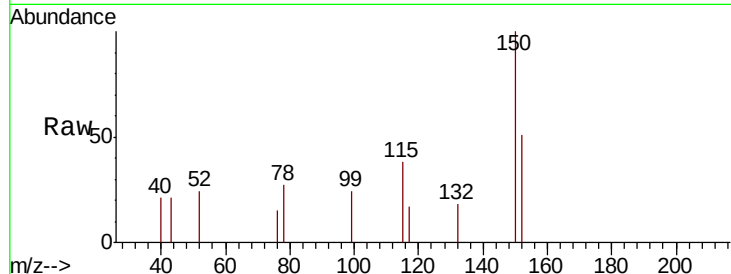




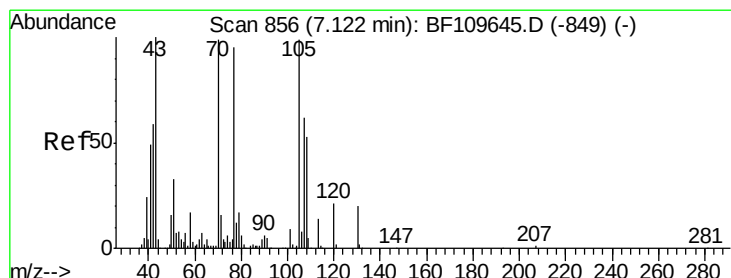
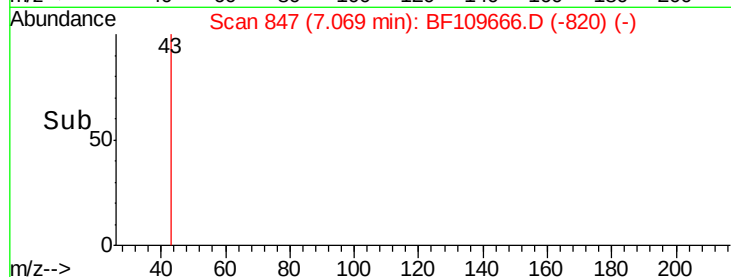
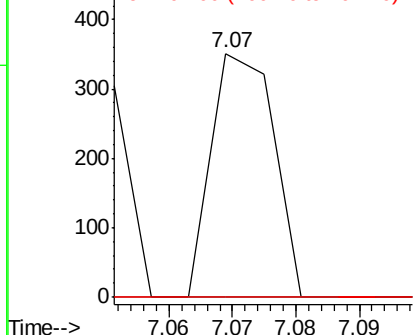
#18
Hexachloroethane
Concen: 0.072 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.14 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HP-SUB

Tgt Ion: 117 Resp: 237
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
201 0.0 79.2 118.8#

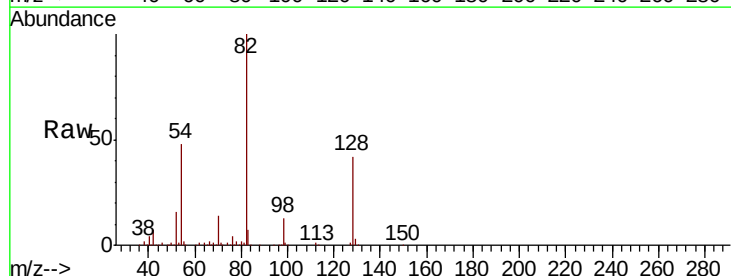


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

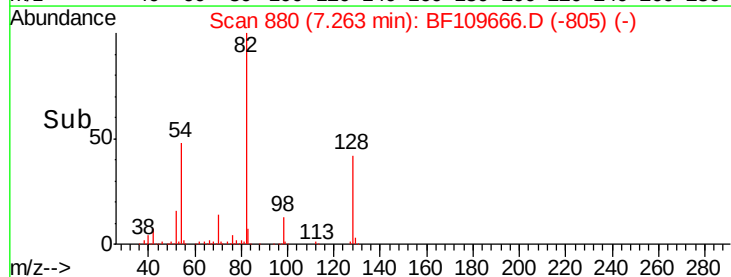
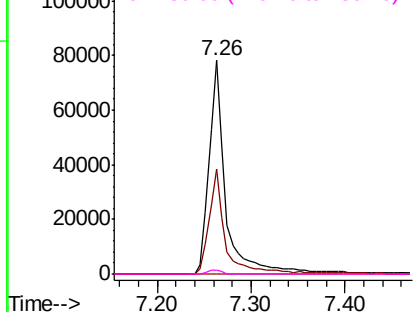


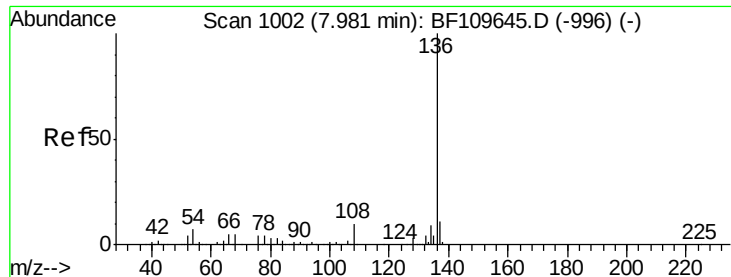
#19
n-Nitroso-di-n-propylamine
Concen: 17.178 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.14 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Tgt Ion: 70 Resp: 98306
Ion Ratio Lower Upper
70 100
42 49.0 47.4 71.2
101 0.0 7.3 10.9#
130 1.9 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): E
Ion 130.00 (129.70 to 130.70): E

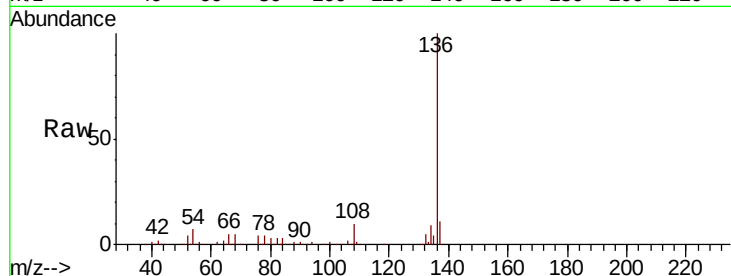




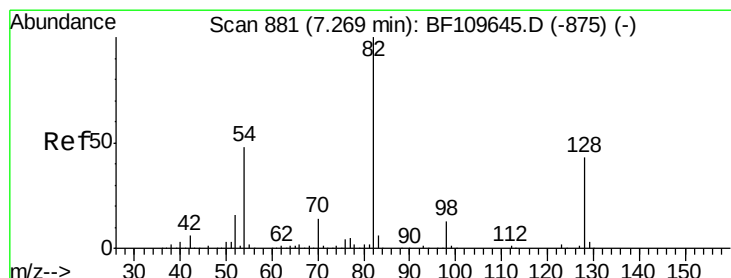
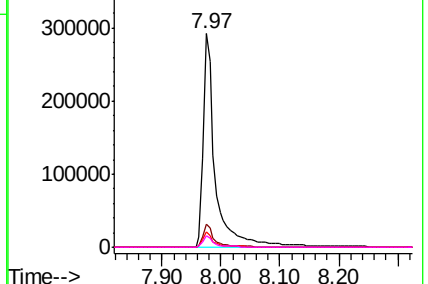
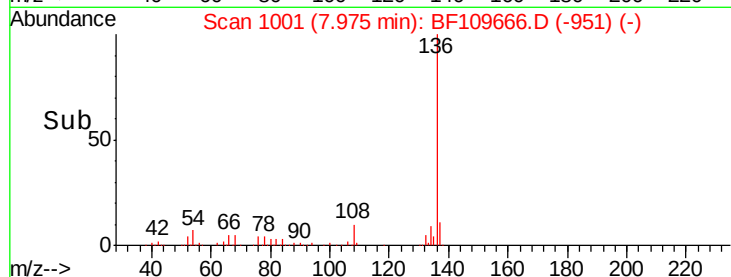
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HP-SUB

Tgt Ion:	136	Resp:	420697
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.0	5.4	8.2
68	5.5	4.2	6.2

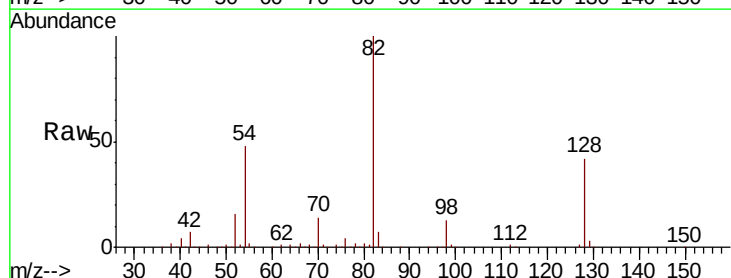


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

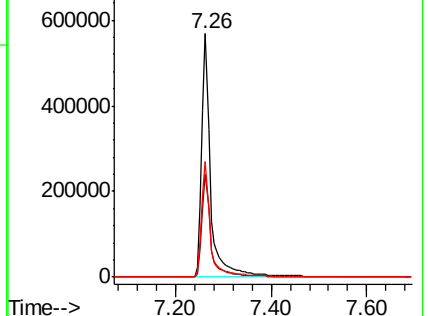
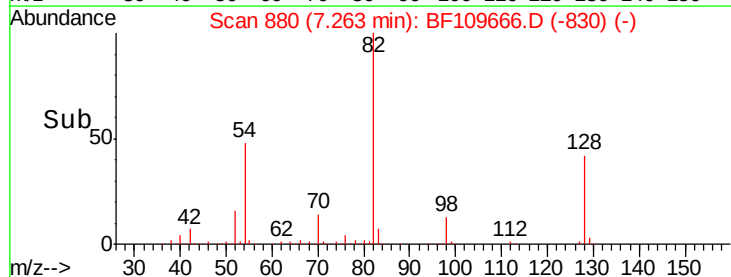


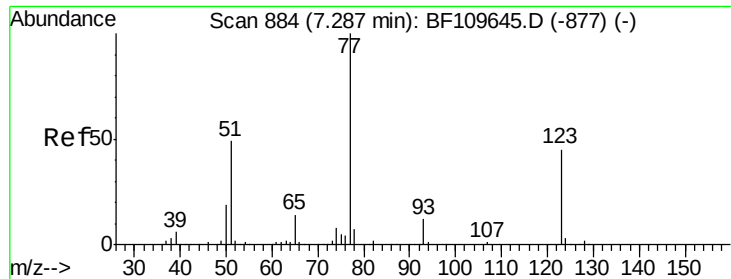
#23
Nitrobenzene-d5
Concen: 97.290 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Tgt Ion:	82	Resp:	742508
Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.2	51.2
54	47.7	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





#24

Nitrobenzene

Concen: 0.227 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

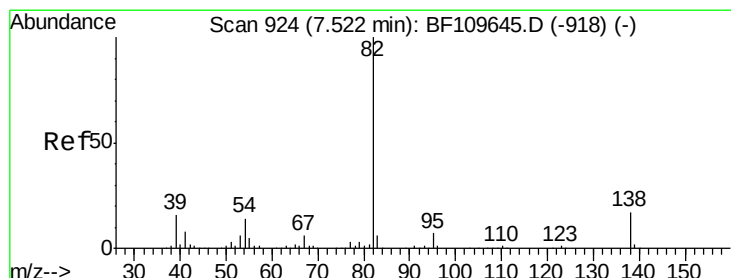
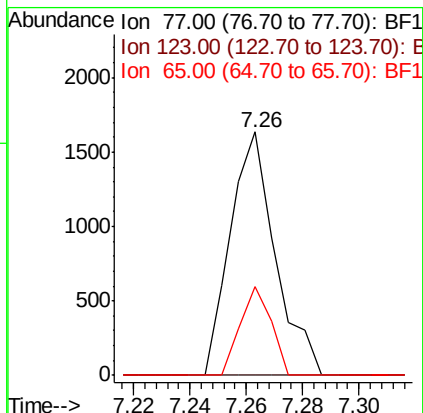
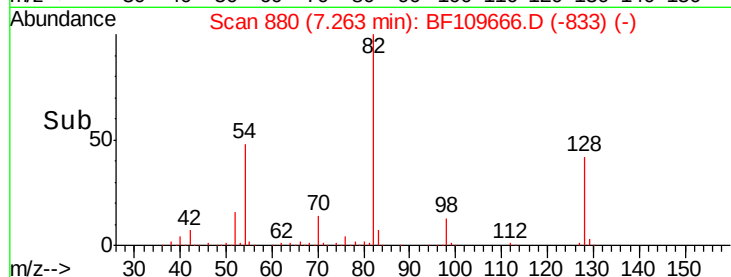
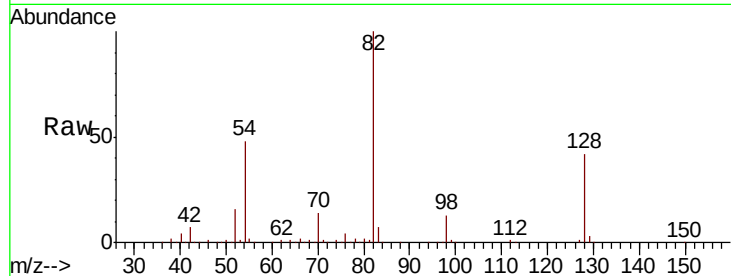
Tgt Ion: 77 Resp: 1806

Ion Ratio Lower Upper

77 100

123 0.0 35.7 53.5#

65 36.4 10.7 16.1#



#25

Isophorone

Concen: 58.726 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

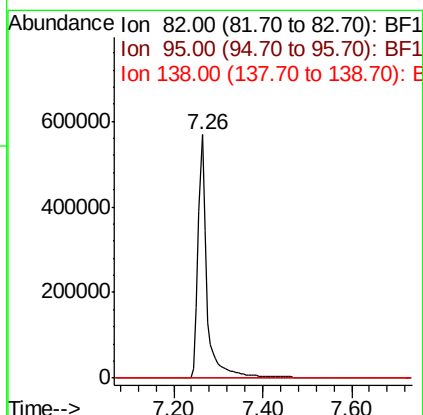
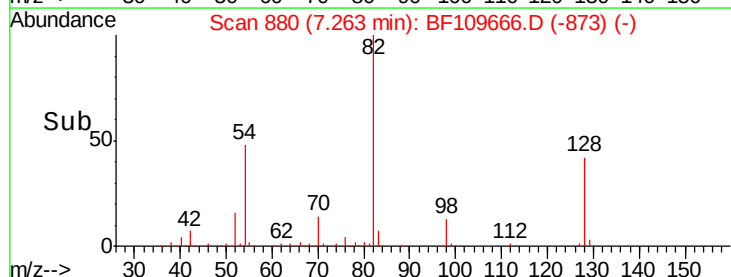
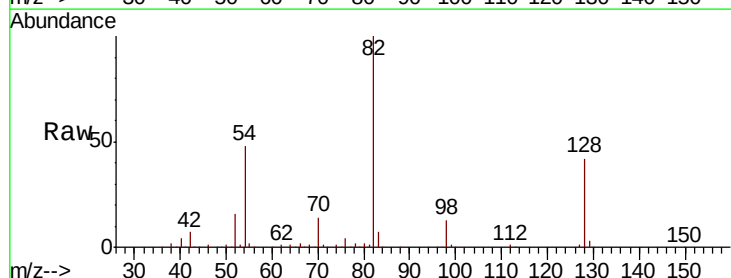
Tgt Ion: 82 Resp: 744255

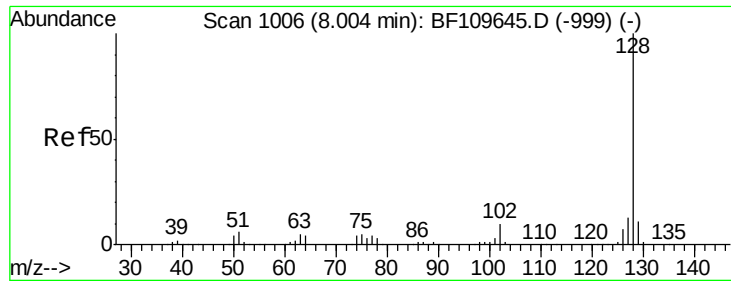
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#

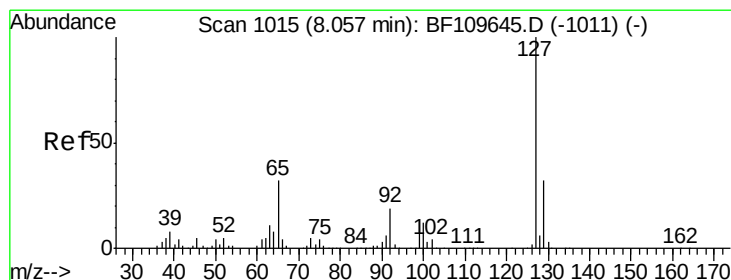
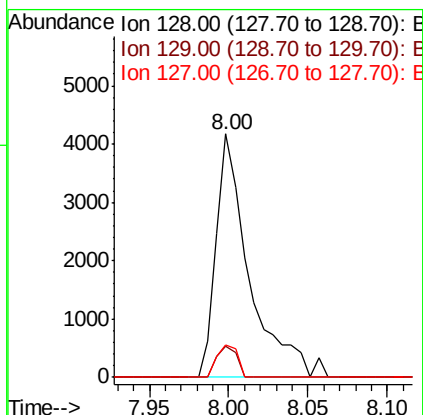
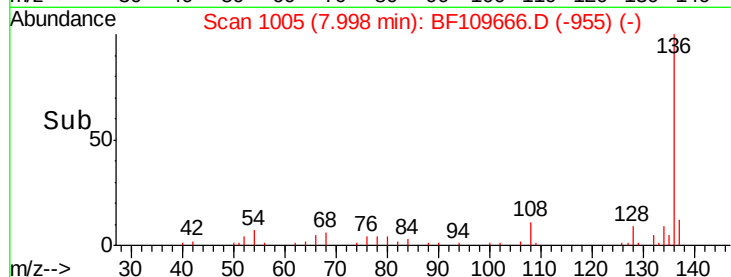
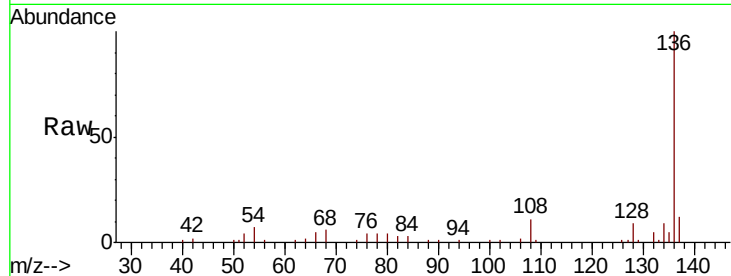




#31
Naphthalene
Concen: 0.313 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

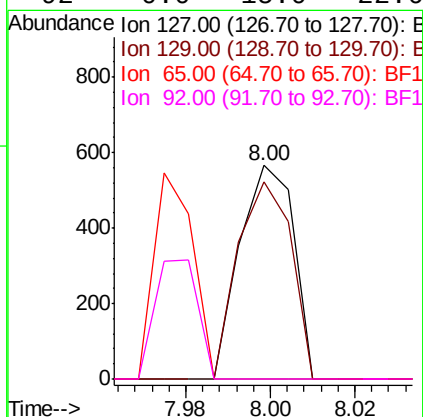
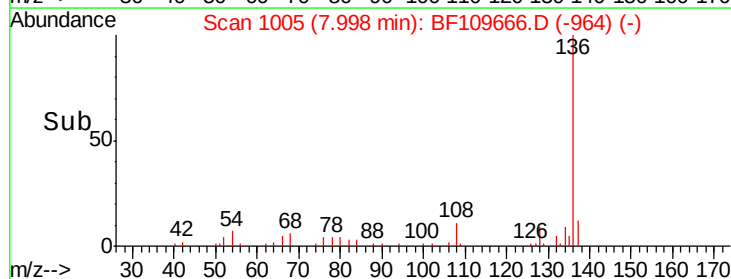
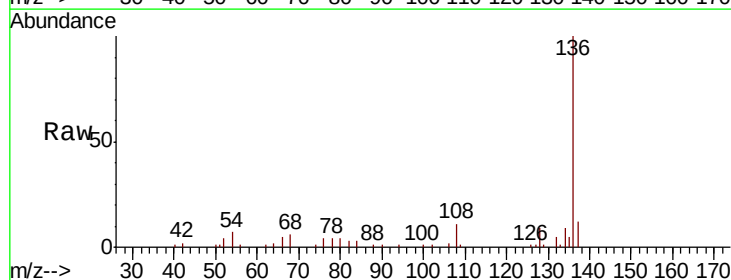
Instrument :
BNA_F
ClientSampled :
HP-SUB

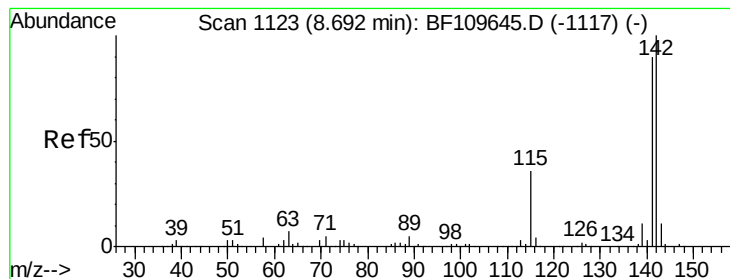
Tgt Ion:128 Resp: 6095
Ion Ratio Lower Upper
128 100
129 12.6 8.8 13.2
127 13.6 10.8 16.2



#33
4-Chloroaniline
Concen: 0.058 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.06 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Tgt Ion:127 Resp: 501
Ion Ratio Lower Upper
127 100
129 92.6 26.0 39.0#
65 0.0 25.1 37.7#
92 0.0 15.0 22.6#

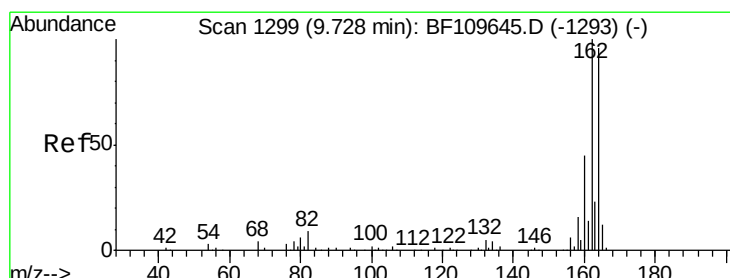
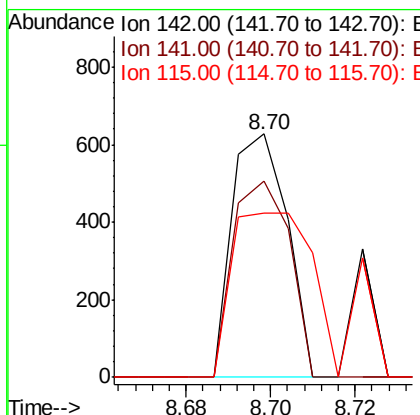
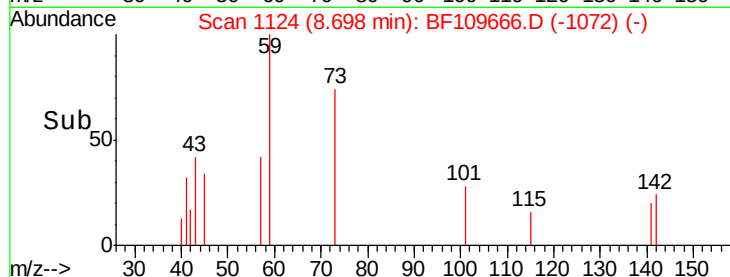
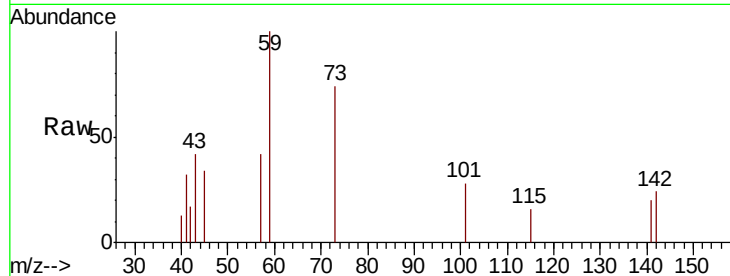




#37
 2-Methylnaphthalene
 Concen: 0.045 ng
 RT: 8.70 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

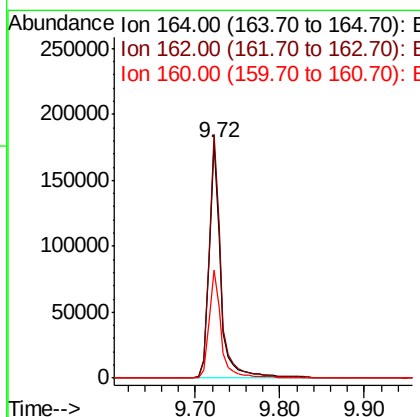
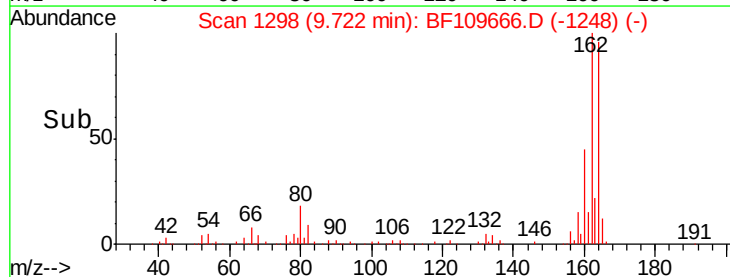
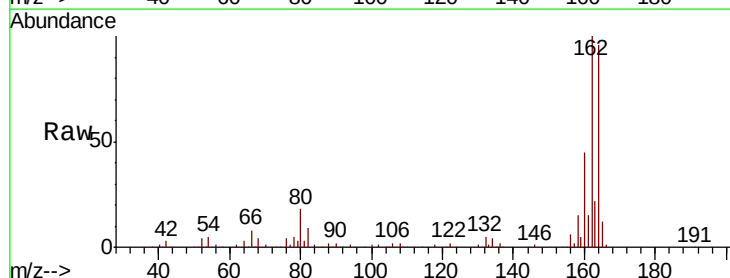
Instrument :
 BNA_F
 ClientSampleId :
 HP-SUB

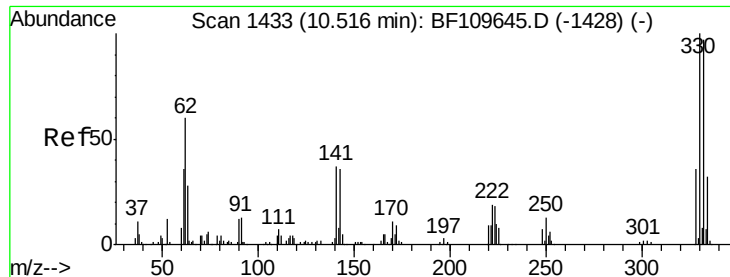
Tgt Ion:142 Resp: 569
 Ion Ratio Lower Upper
 142 100
 141 80.6 71.4 107.2
 115 67.5 28.7 43.1#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

Tgt Ion:164 Resp: 172189
 Ion Ratio Lower Upper
 164 100
 162 103.7 83.0 124.6
 160 46.2 37.0 55.6

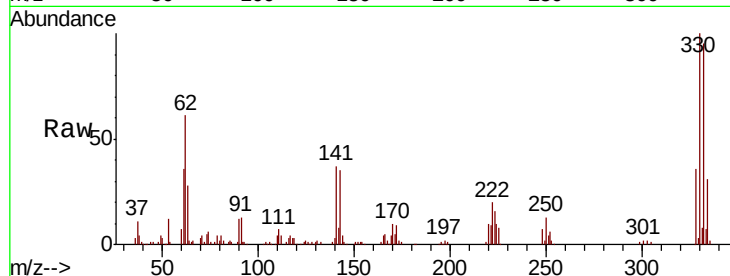




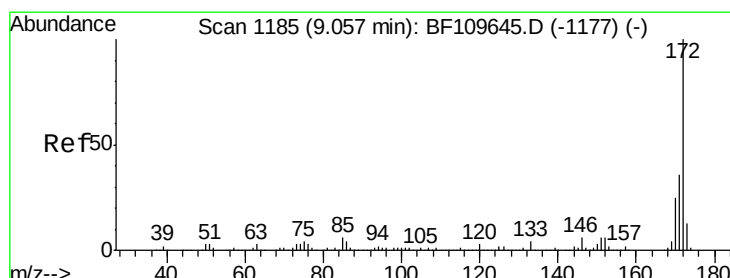
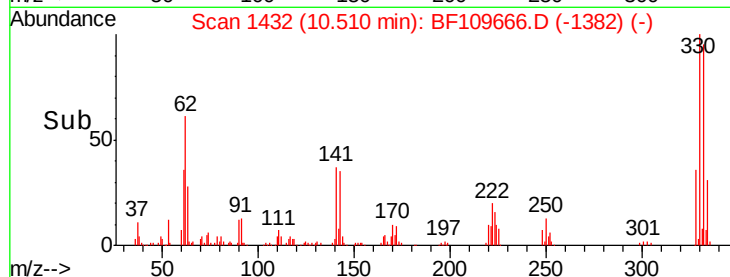
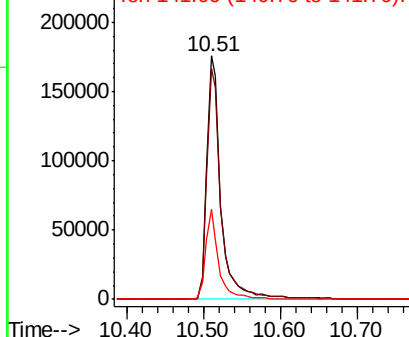
#41
 2,4,6-Tribromophenol
 Concen: 119.821 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HP-SUB

Tgt Ion:330 Resp: 224807
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.1 115.7
 141 34.0 27.0 40.4

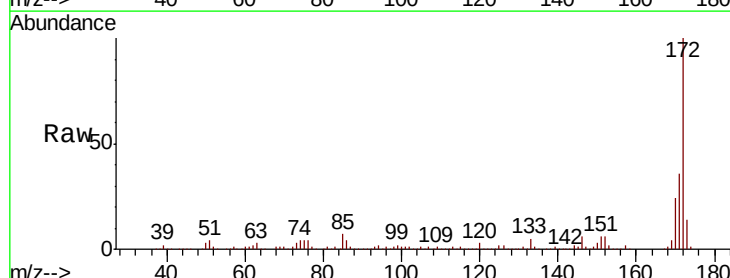


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

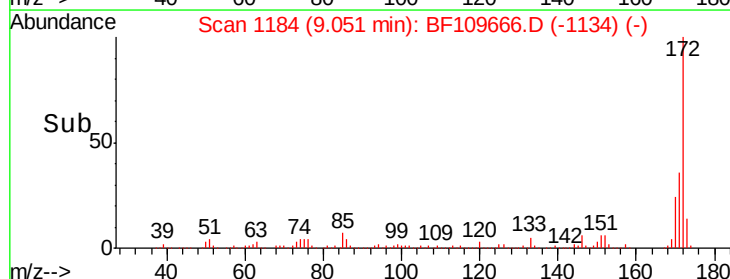
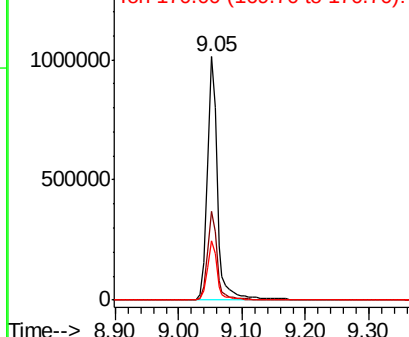


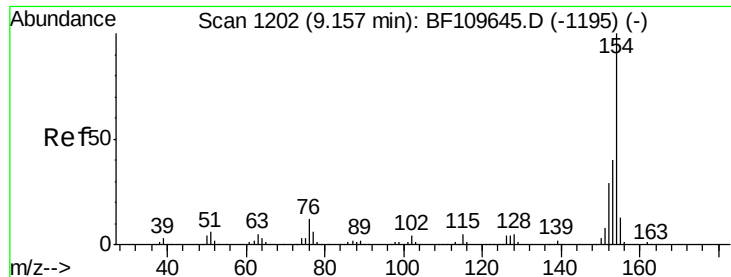
#44
 2-Fluorobiphenyl
 Concen: 90.665 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

Tgt Ion:172 Resp: 1133521
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 43.0
 170 24.3 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





#45

1,1'-Biphenyl

Concen: 0.115 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.01 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampled :

HP-SUB

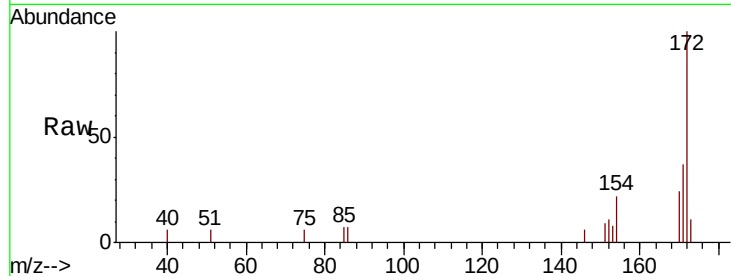
Tgt Ion:154 Resp: 1774

Ion Ratio Lower Upper

154 100

153 36.0 20.4 60.4

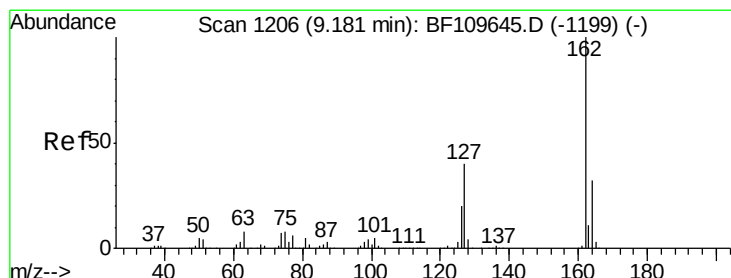
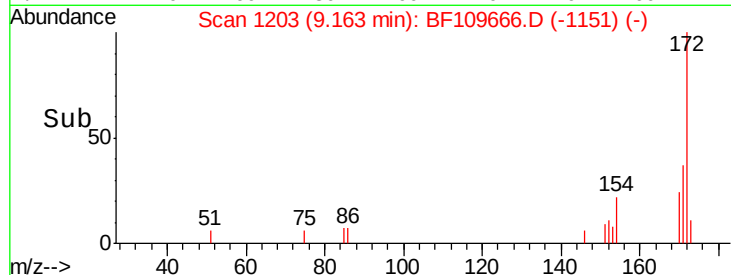
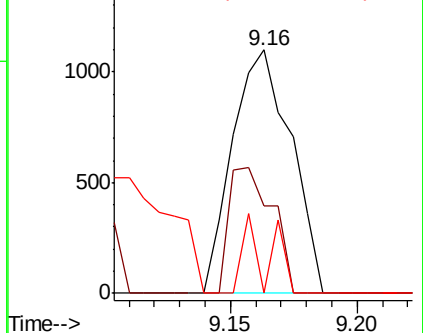
76 0.0 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 0.028 ng

RT: 9.45 min Scan# 1251

Delta R.T. 0.26 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

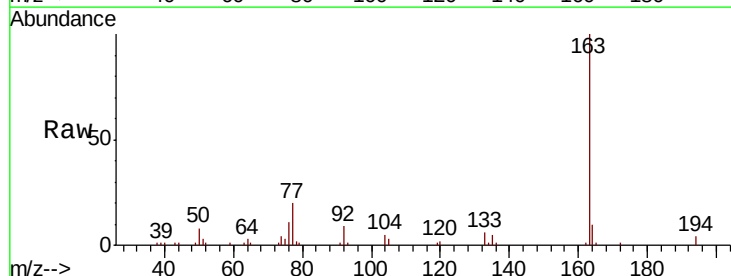
Tgt Ion:162 Resp: 319

Ion Ratio Lower Upper

162 100

127 0.0 32.6 48.8#

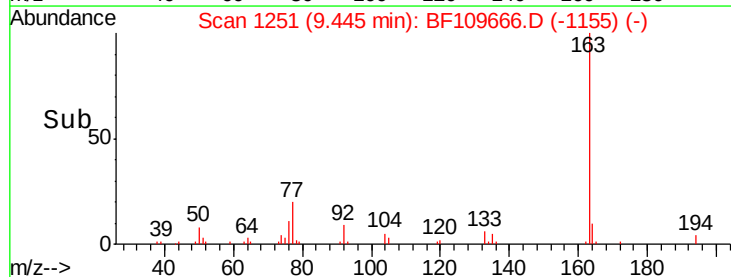
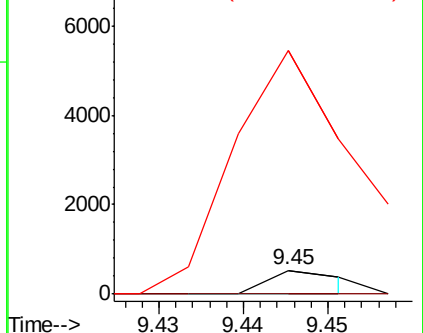
164 1016.0 25.9 38.9#

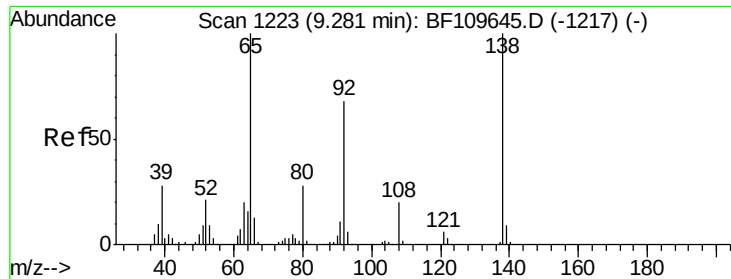


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

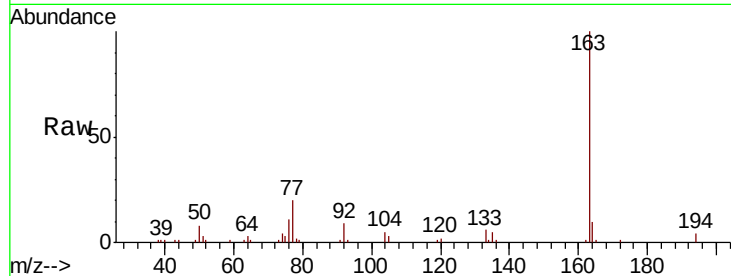




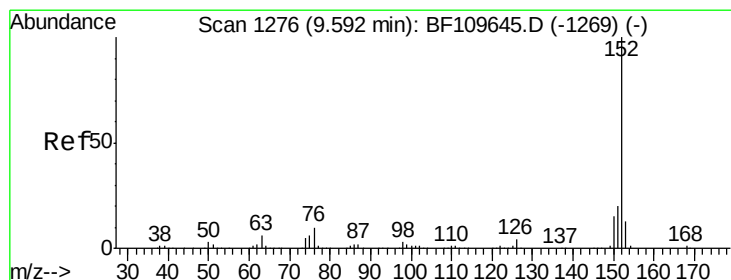
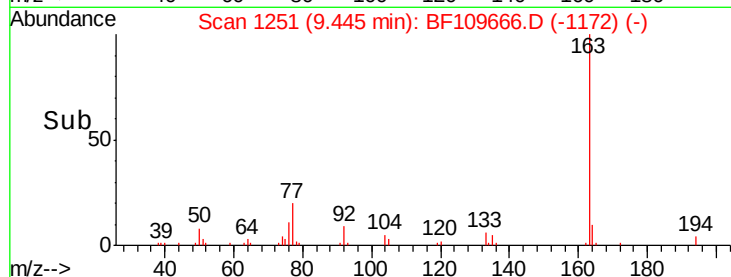
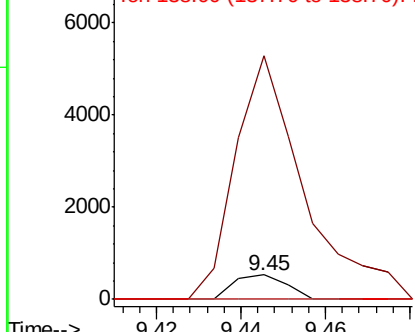
#47
2-Nitroaniline
Concen: 0.133 ng
RT: 9.45 min Scan# 1251
Delta R.T. 0.16 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HP-SUB

Tgt Ion: 65 Resp: 465
Ion Ratio Lower Upper
65 100
92 989.7 54.6 81.8#
138 0.0 80.3 120.5#

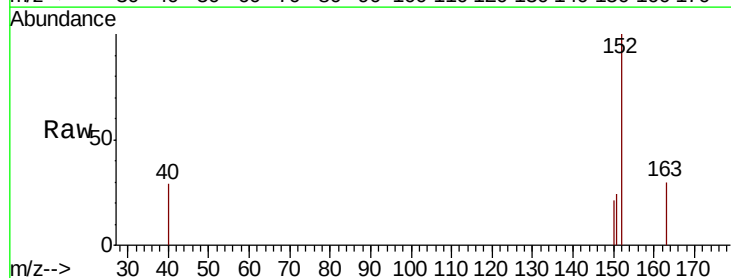


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

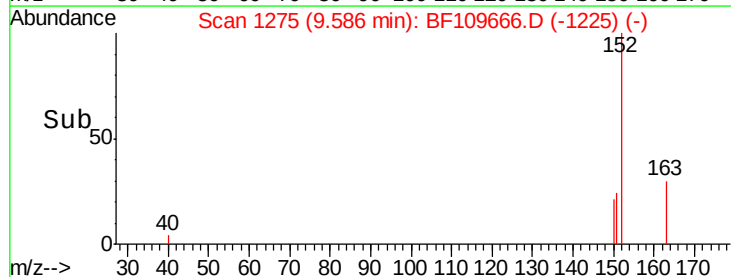
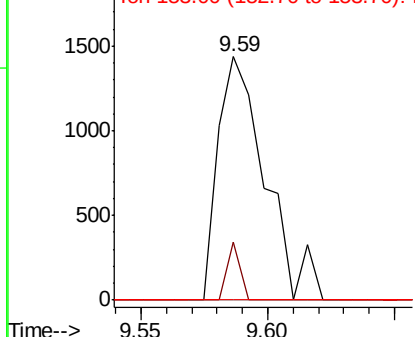


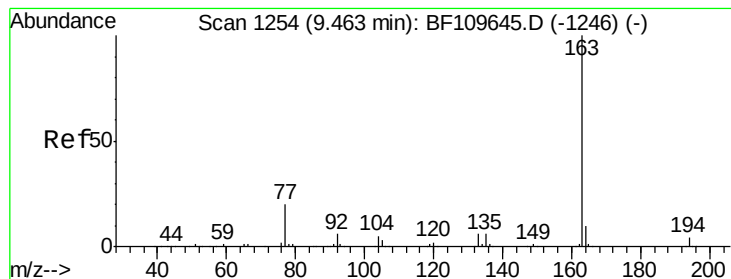
#48
Acenaphthylene
Concen: 0.111 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Tgt Ion: 152 Resp: 1871
Ion Ratio Lower Upper
152 100
151 23.9 15.8 23.8#
153 0.0 10.4 15.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 5.521 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

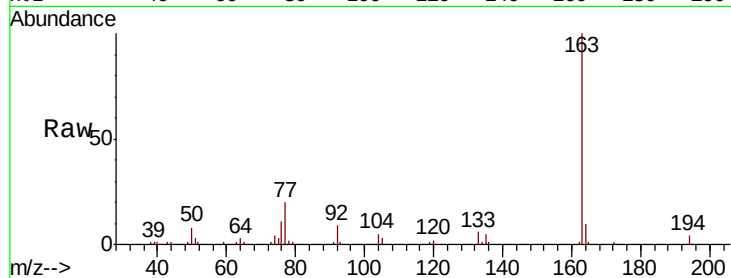
Tgt Ion:163 Resp: 69722

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

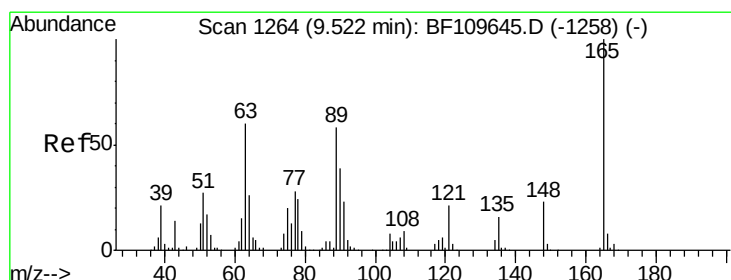
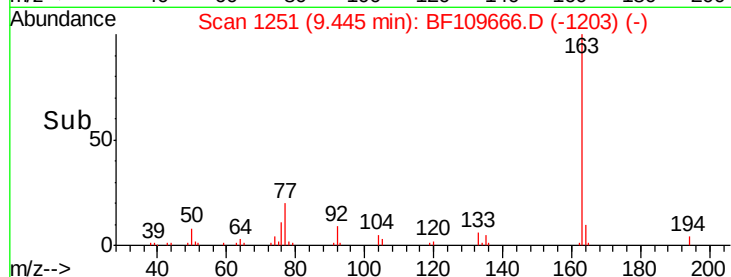
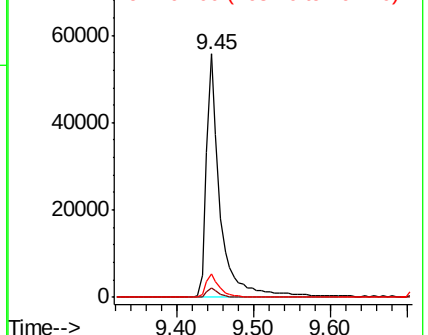
164 9.8 8.1 12.1



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: 7.838 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.20 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

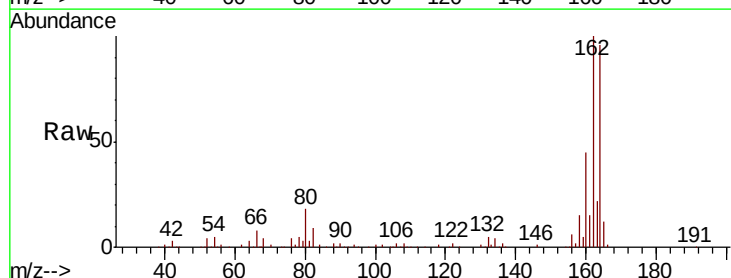
Tgt Ion:165 Resp: 21457

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

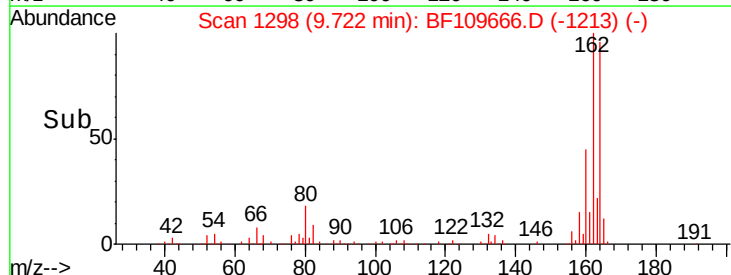
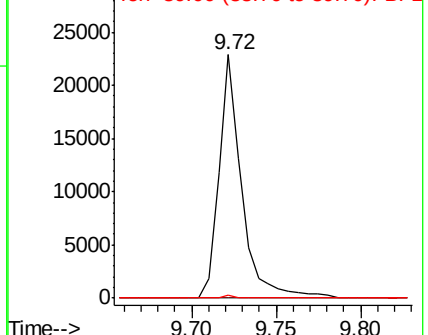
89 1.3 46.6 69.8#

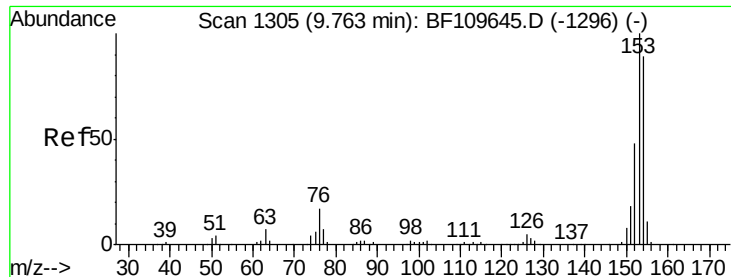


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 0.101 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

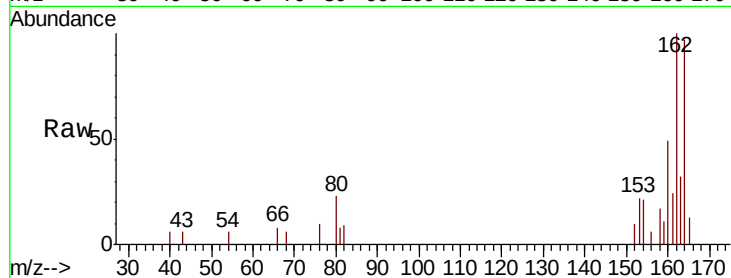
Tgt Ion:154 Resp: 1004

Ion Ratio Lower Upper

154 100

153 107.5 90.1 135.1

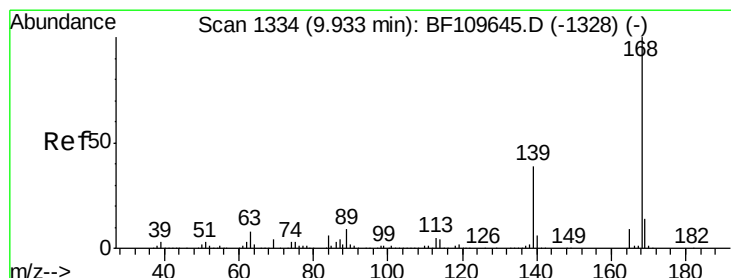
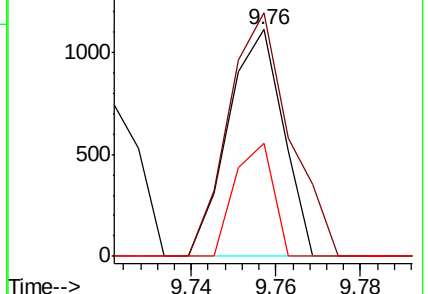
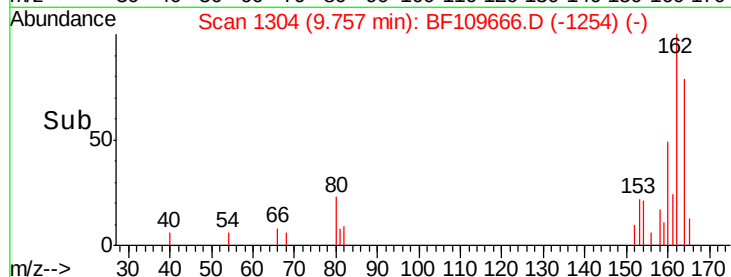
152 49.8 43.4 65.2



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

Dibenzofuran

Concen: 0.085 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.01 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

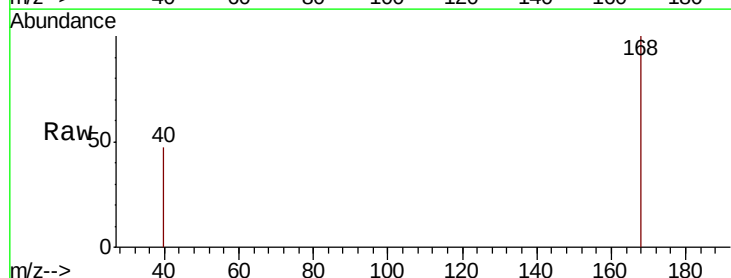
Tgt Ion:168 Resp: 1263

Ion Ratio Lower Upper

168 100

139 0.0 33.0 49.6#

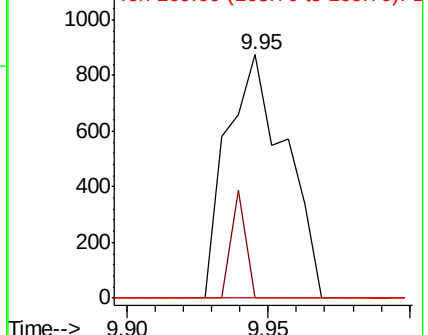
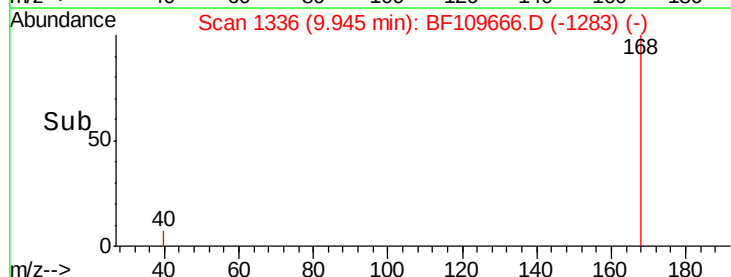
169 0.0 11.3 16.9#

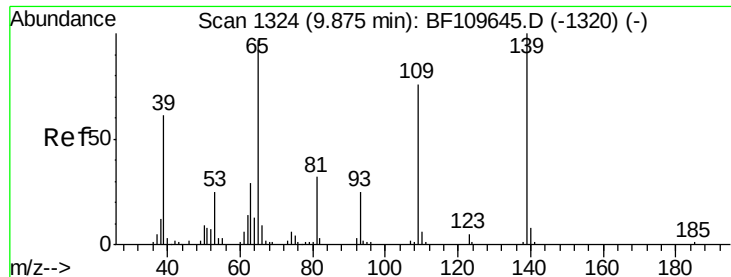


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

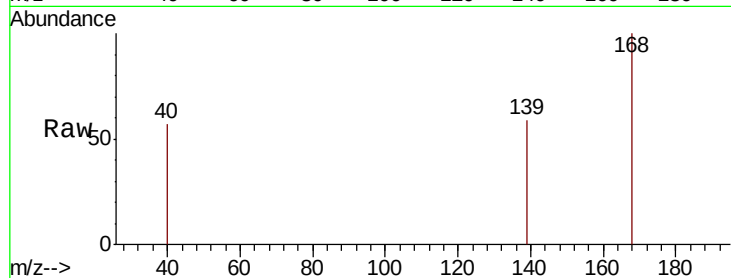




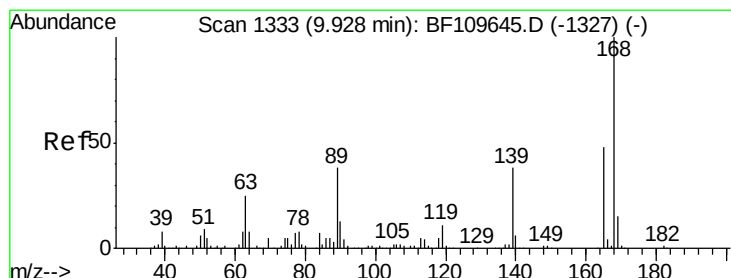
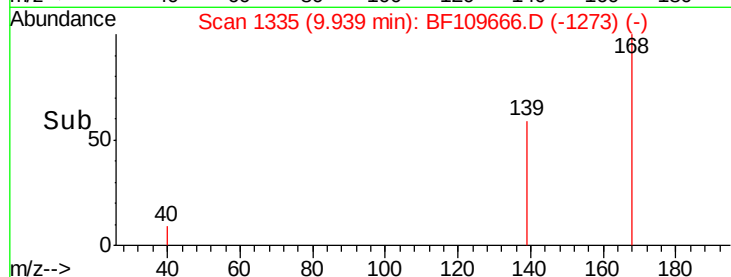
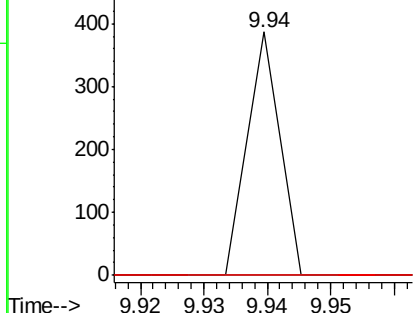
#55
4-Nitrophenol
Concen: 0.082 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.06 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HP-SUB

Tgt Ion:139 Resp: 137
Ion Ratio Lower Upper
139 100
109 0.0 55.8 95.8#
65 0.0 77.9 117.9#

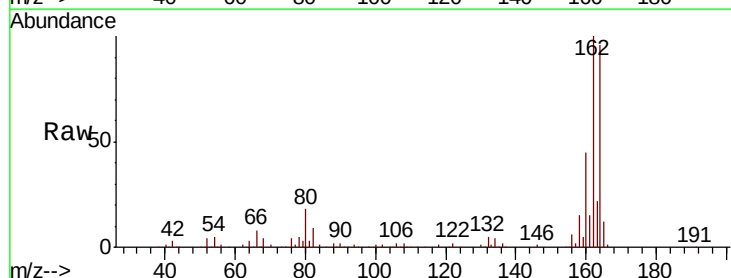


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

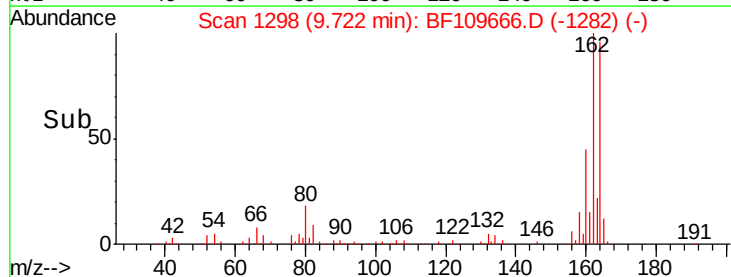
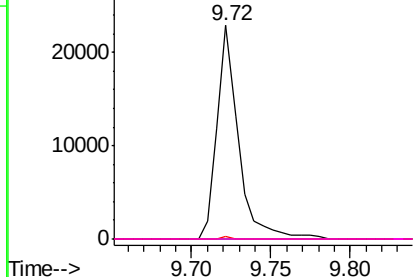


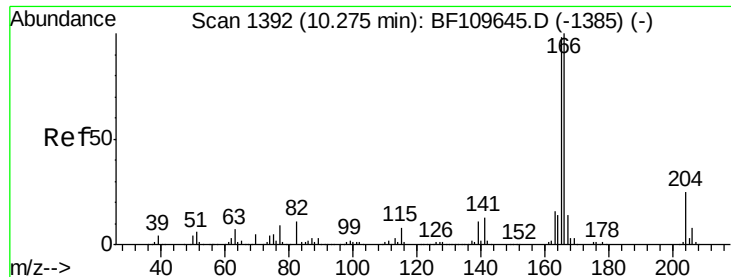
#56
2,4-Dinitrotoluene
Concen: 6.281 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Tgt Ion:165 Resp: 21458
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 1.3 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





#57

Fluorene

Concen: 0.104 ng

RT: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

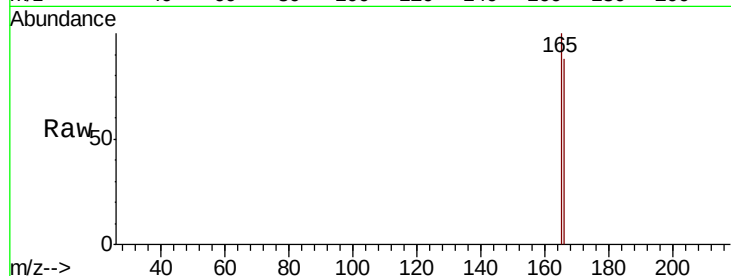
Tgt Ion:166 Resp: 1163

Ion Ratio Lower Upper

166 100

165 113.3 78.6 117.8

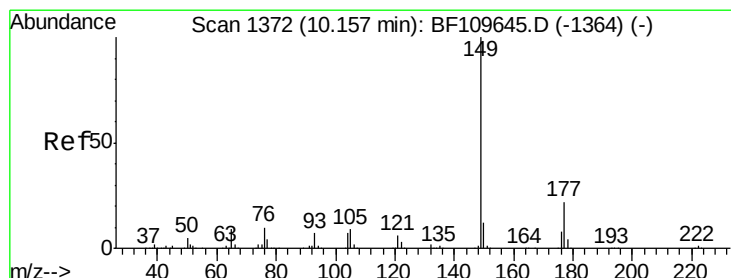
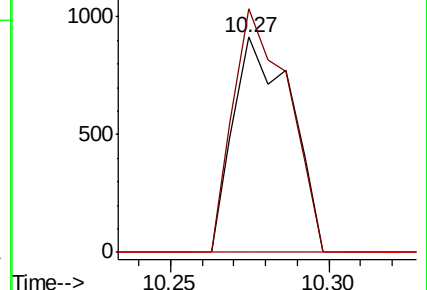
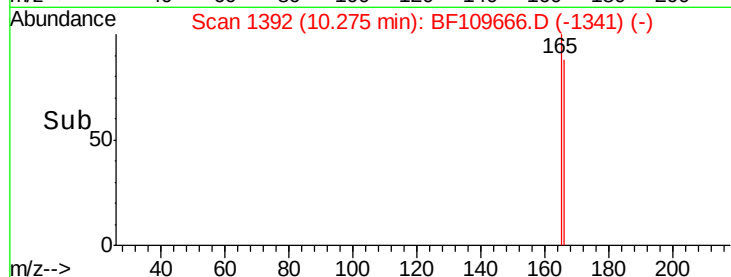
167 0.0 10.8 16.2#



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



#59

Diethylphthalate

Concen: 0.096 ng

RT: 10.15 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

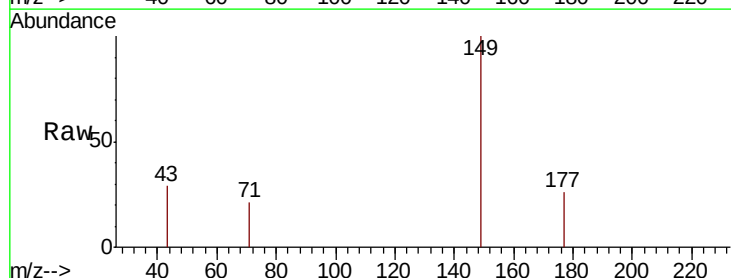
Tgt Ion:149 Resp: 1202

Ion Ratio Lower Upper

149 100

177 26.2 17.4 26.2#

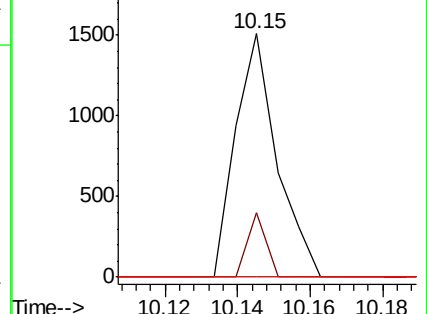
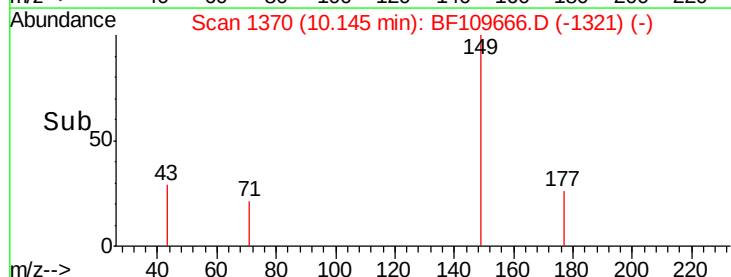
150 0.0 9.8 14.8#

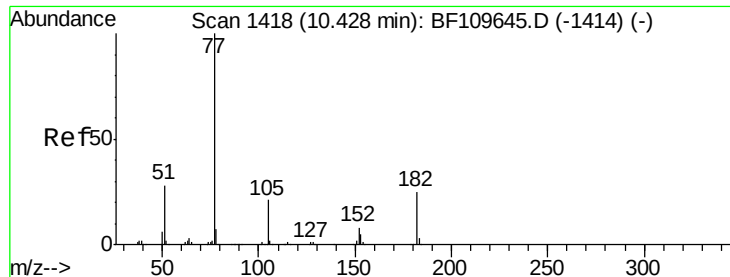


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.078 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.08 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

Tgt Ion: 77 Resp: 996

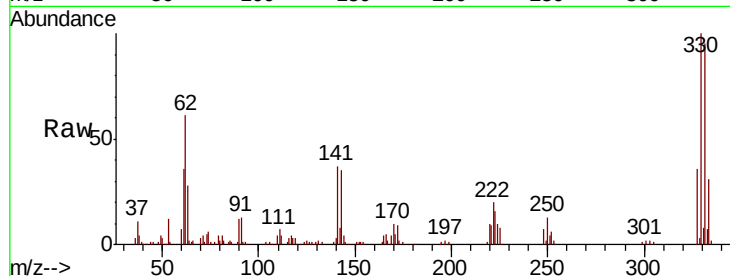
Ion Ratio Lower Upper

77 100

182 41.3 4.3 44.3

105 79.8 1.3 41.3#

51 74.7 9.0 49.0#

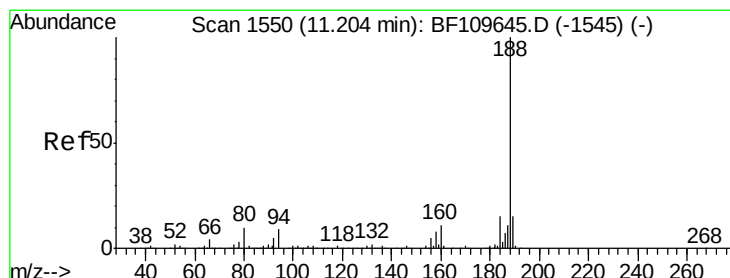
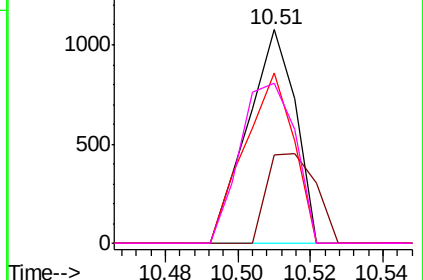
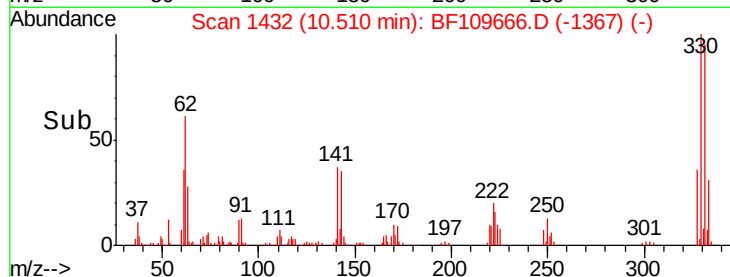


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.00 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

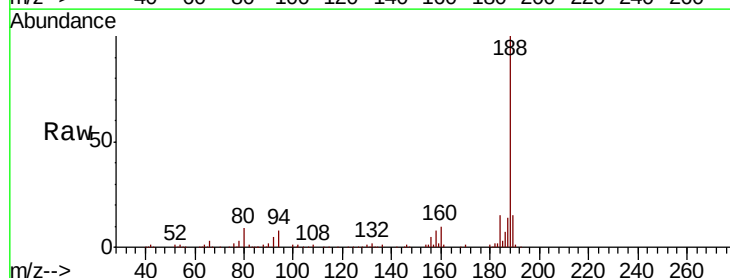
Tgt Ion: 188 Resp: 284688

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

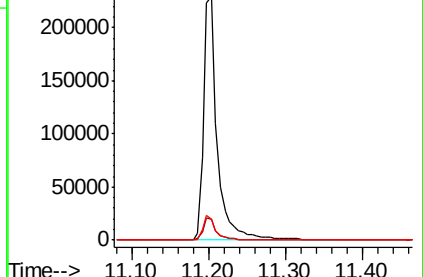
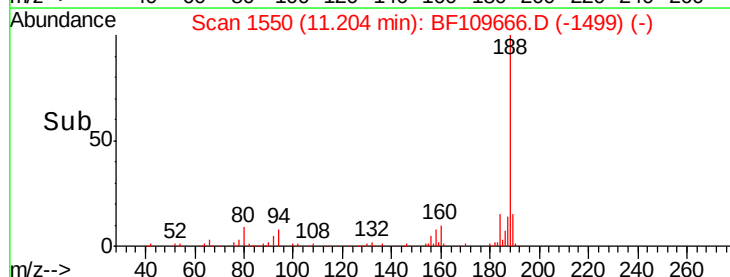
80 8.8 7.9 11.9

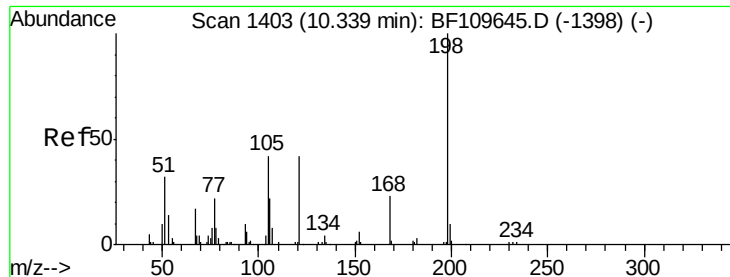


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

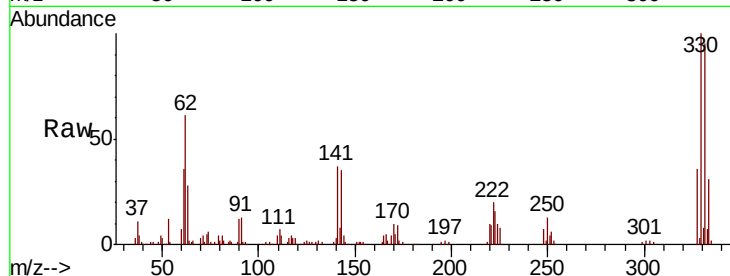




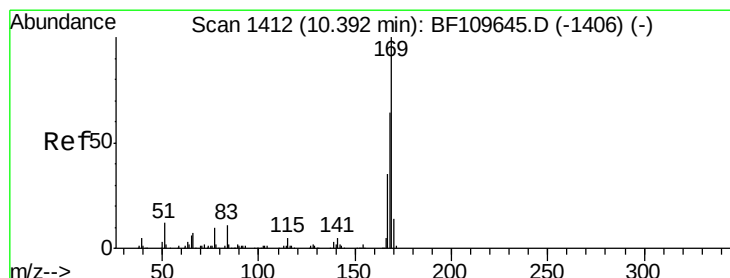
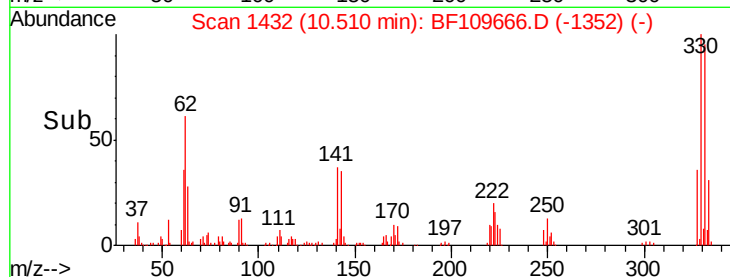
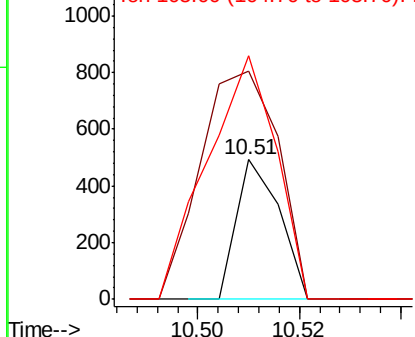
#64
4,6-Dinitro-2-methylphenol
Concen: 0.211 ng
RT: 10.51 min Scan# 1432
Delta R.T. 0.17 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HP-SUB

Tgt Ion:198 Resp: 292
Ion Ratio Lower Upper
198 100
51 163.1 22.8 62.8#
105 174.2 23.6 63.6#

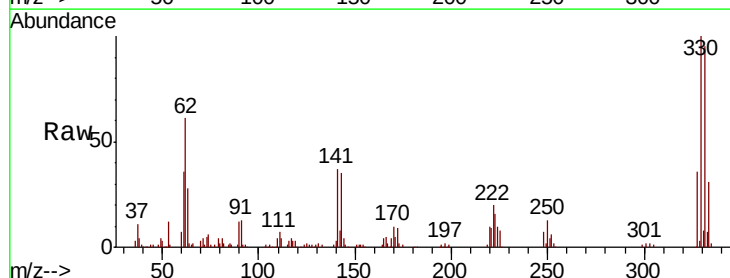


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

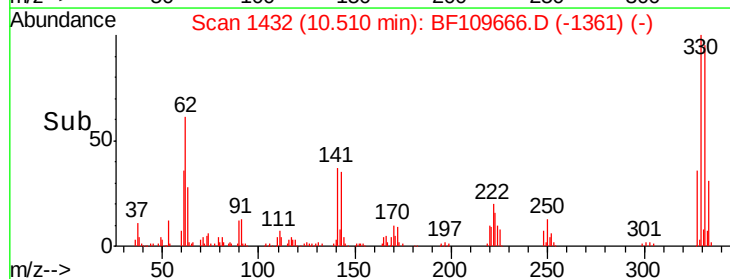
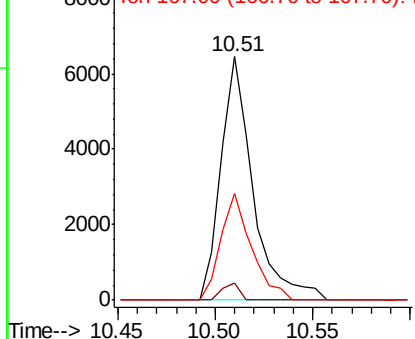


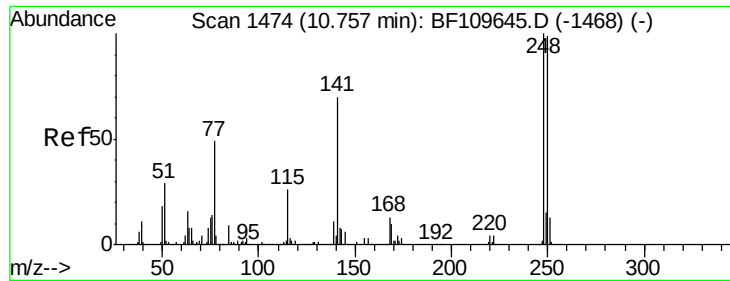
#65
n-Nitrosodiphenylamine
Concen: 0.764 ng
RT: 10.51 min Scan# 1432
Delta R.T. 0.12 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Tgt Ion:169 Resp: 7375
Ion Ratio Lower Upper
169 100
168 6.9 51.2 76.8#
167 43.7 27.8 41.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

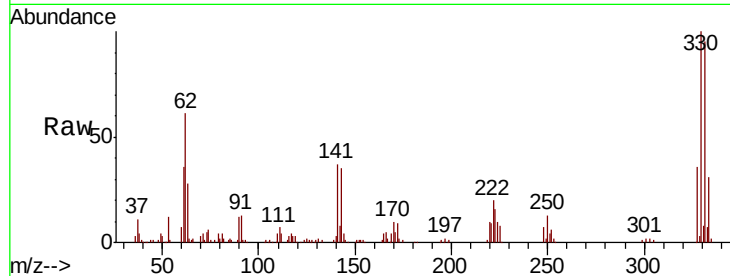




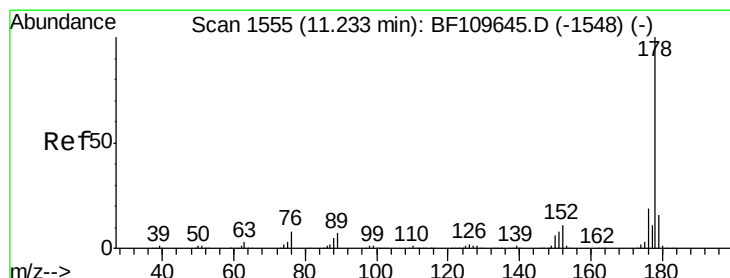
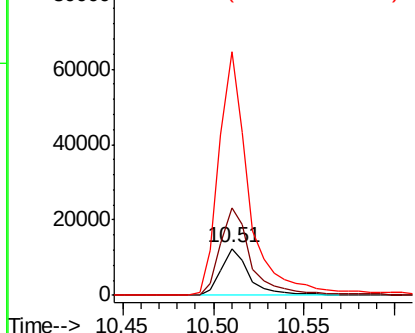
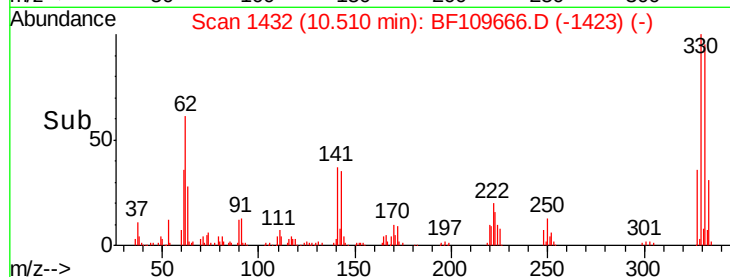
#66
 4-Bromophenyl-phenylether
 Concen: 4.205 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HP-SUB

Tgt Ion:248 Resp: 13754
 Ion Ratio Lower Upper
 248 100
 250 188.0 79.4 119.2#
 141 519.7 55.9 83.9#

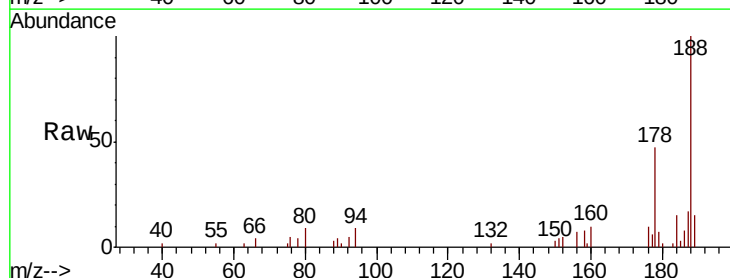


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

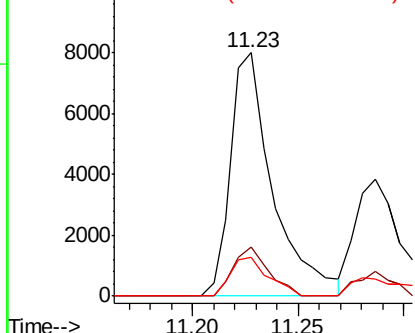
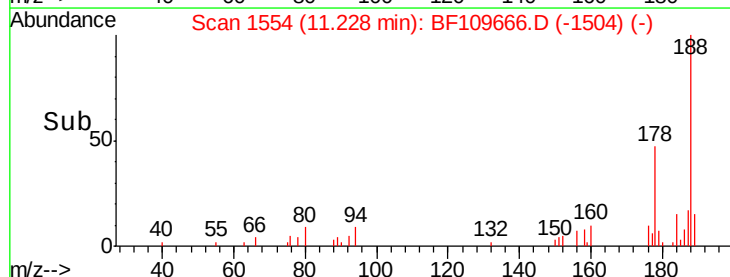


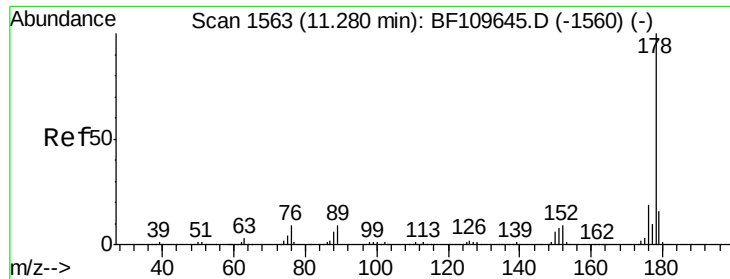
#70
 Phenanthrene
 Concen: 0.774 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

Tgt Ion:178 Resp: 11030
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.5 23.3
 179 15.7 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

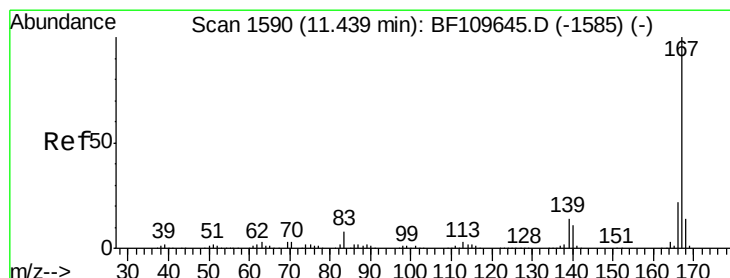
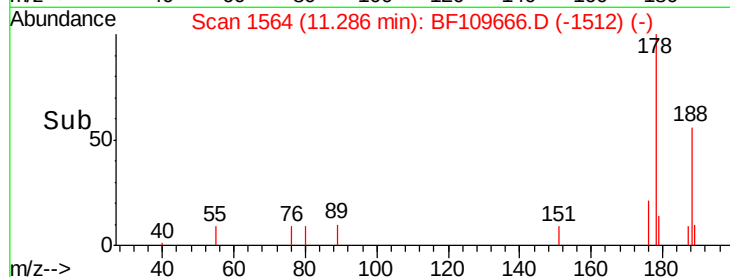
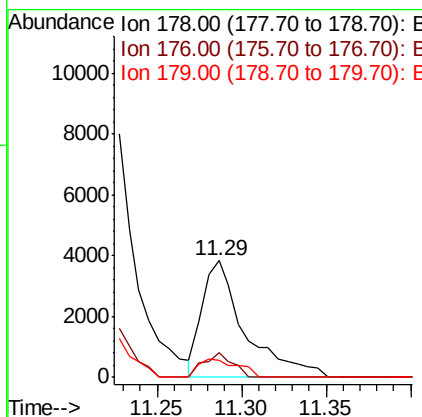
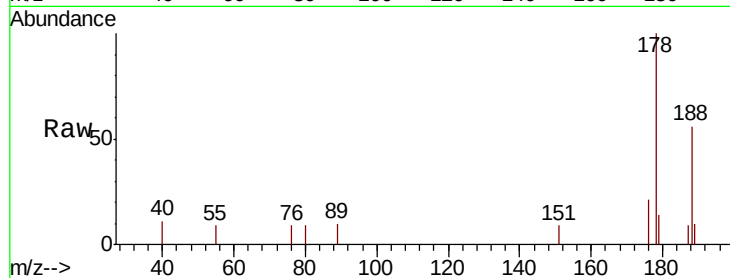




#71
 Anthracene
 Concen: 0.462 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

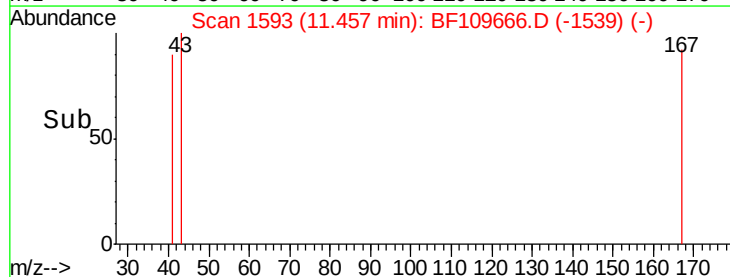
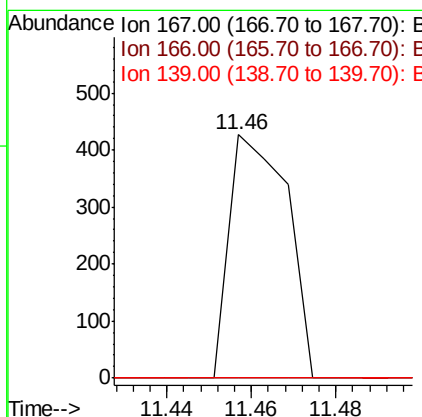
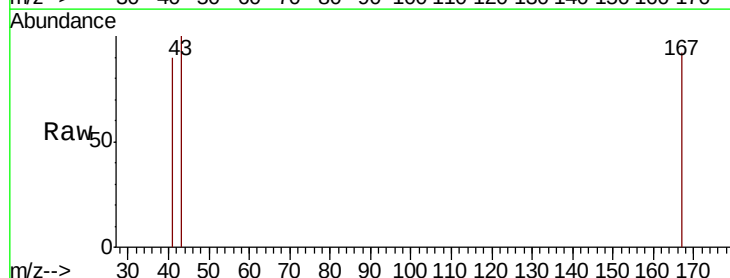
Instrument :
 BNA_F
 ClientSampleId :
 HP-SUB

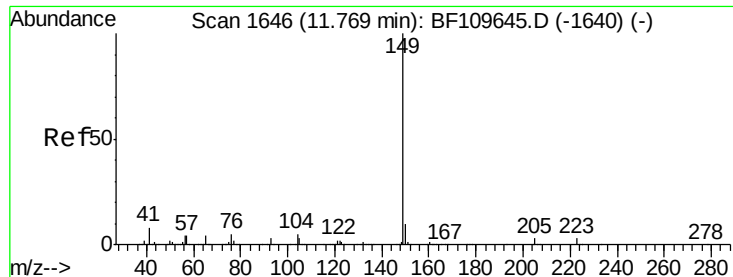
Tgt Ion:178 Resp: 6797
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.4 23.2
 179 14.2 12.6 18.8



#72
 Carbazole
 Concen: 0.028 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. 0.02 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

Tgt Ion:167 Resp: 406
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.4 26.0#
 139 0.0 10.9 16.3#





#73

Di-n-butylphthalate

Concen: 0.138 ng

RT: 11.76 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

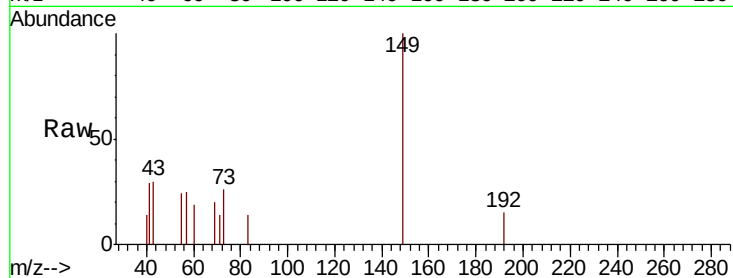
Tgt Ion:149 Resp: 2282

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

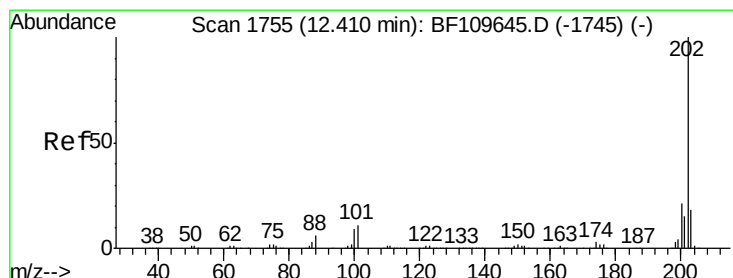
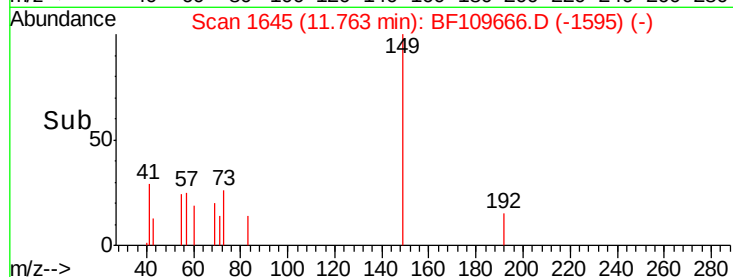
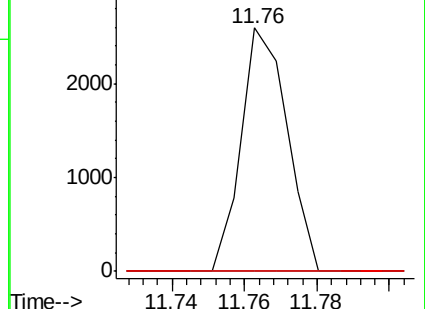
104 0.0 4.2 6.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 1.201 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

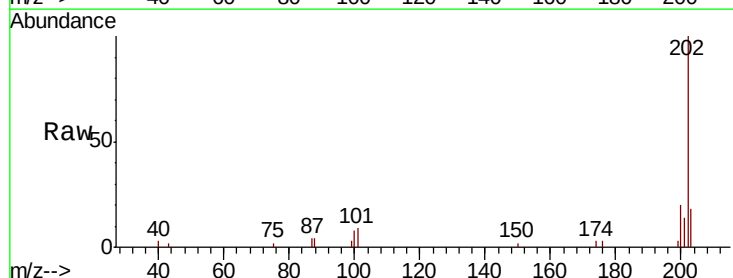
Tgt Ion:202 Resp: 17882

Ion Ratio Lower Upper

202 100

101 8.9 0.0 31.4

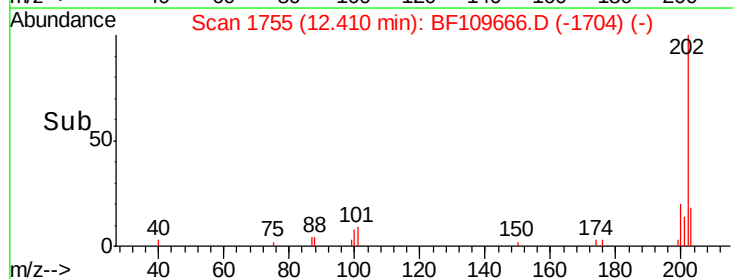
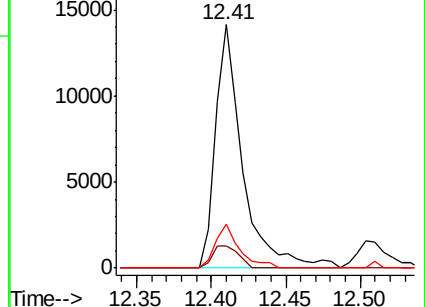
203 18.0 0.0 37.7

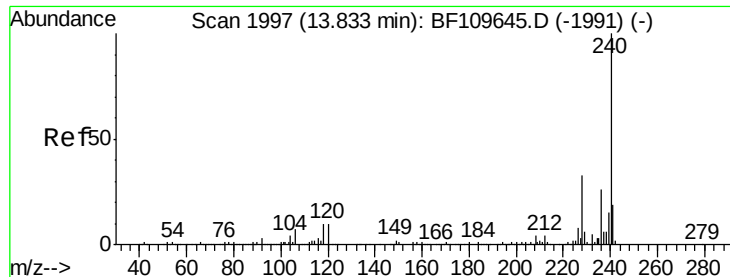


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

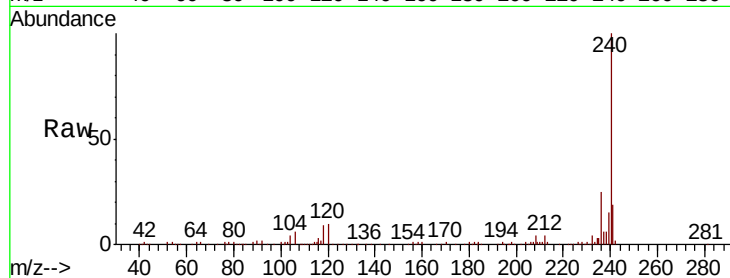
Tgt Ion:240 Resp: 229411

Ion Ratio Lower Upper

240 100

120 10.1 8.3 12.5

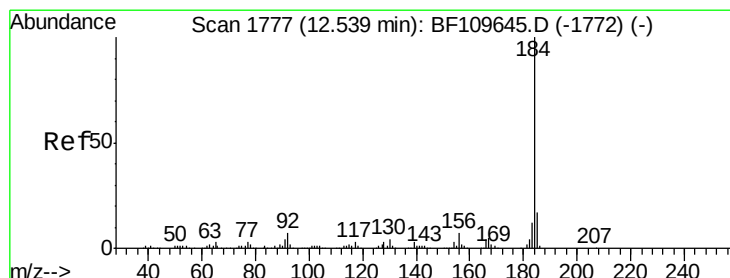
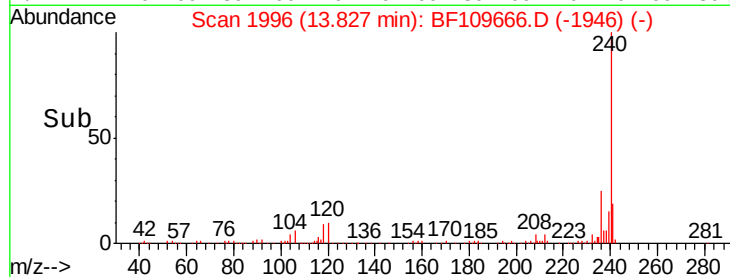
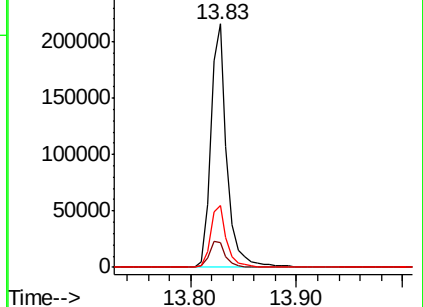
236 25.2 21.2 31.8



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



#76

Benzidine

Concen: 1.217 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.24 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

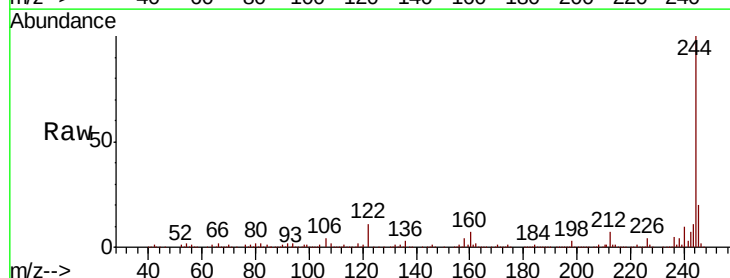
Tgt Ion:184 Resp: 10371

Ion Ratio Lower Upper

184 100

185 17.5 13.4 20.2

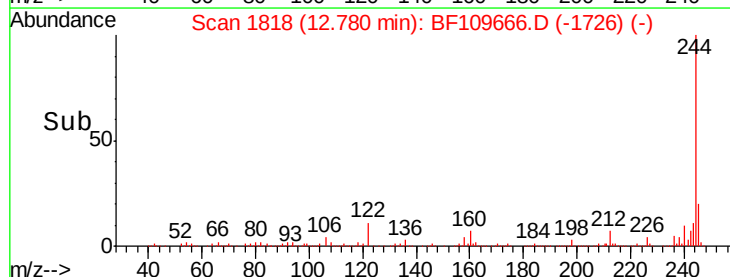
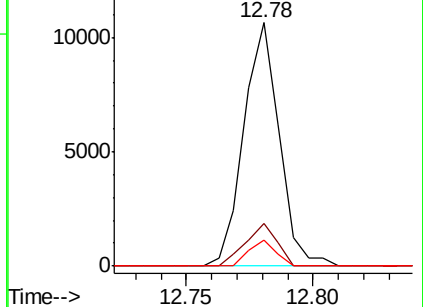
183 10.5 9.4 14.2

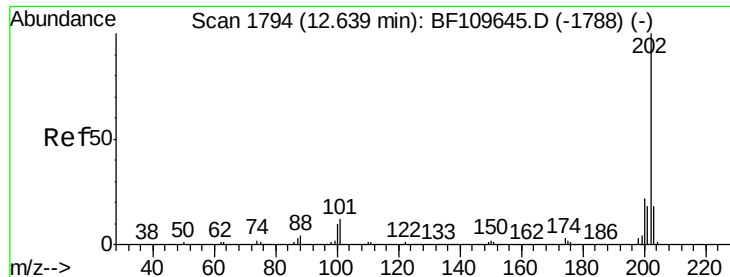


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

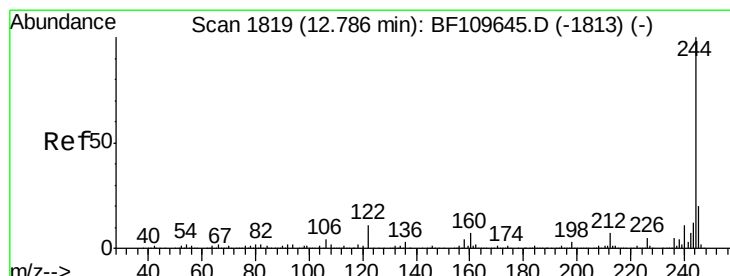
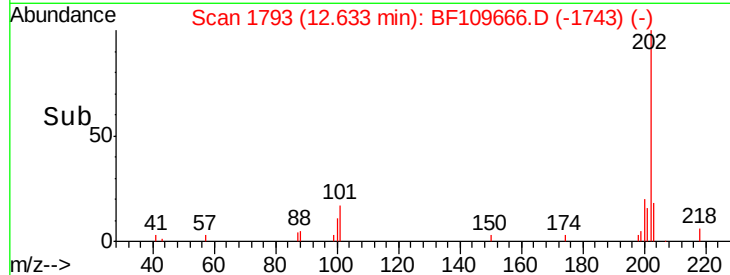
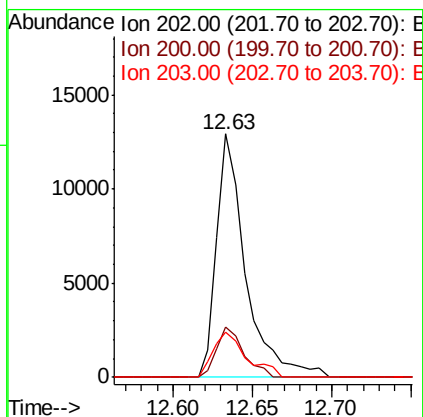
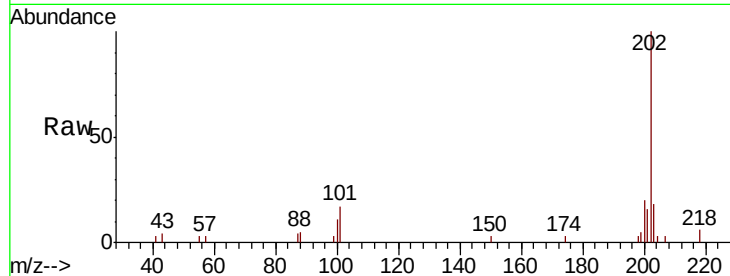




#77
 Pyrene
 Concen: 0.981 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

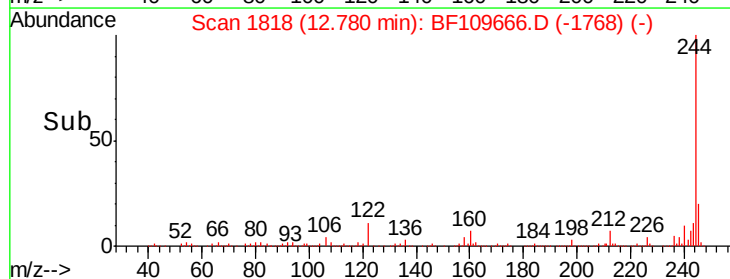
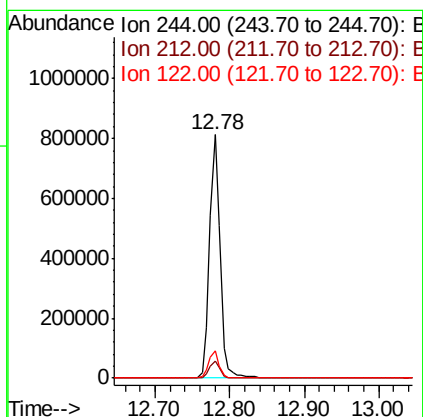
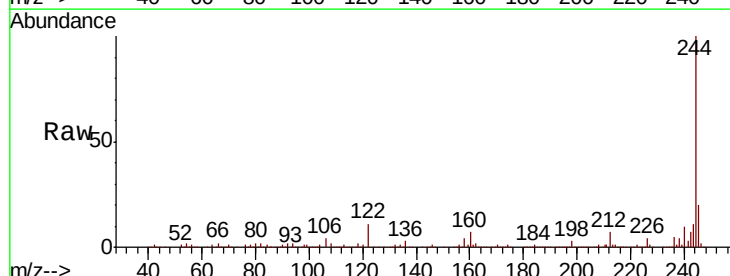
Instrument :
 BNA_F
 ClientSampleId :
 HP-SUB

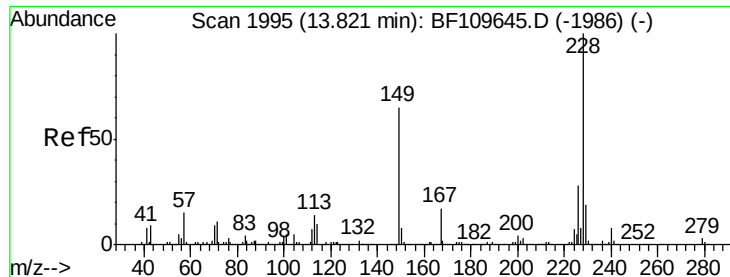
Tgt Ion: 202 Resp: 16491
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.8 26.6
 203 18.4 14.2 21.4



#78
 Terphenyl-d14
 Concen: 67.462 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

Tgt Ion: 244 Resp: 799472
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 11.0 8.7 13.1





#80

Benzo(a)anthracene

Concen: 0.793 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

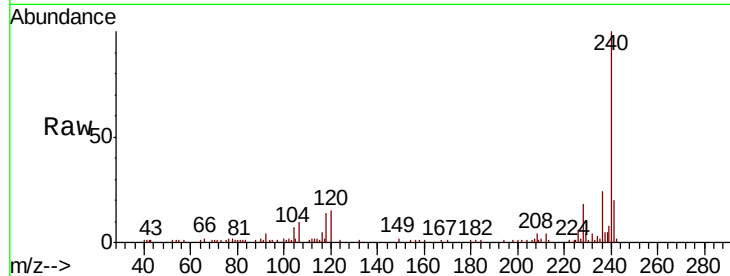
Instrument :

BNA_F

ClientSampleId :

HP-SUB

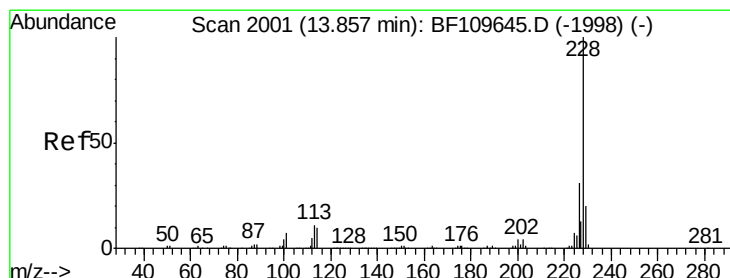
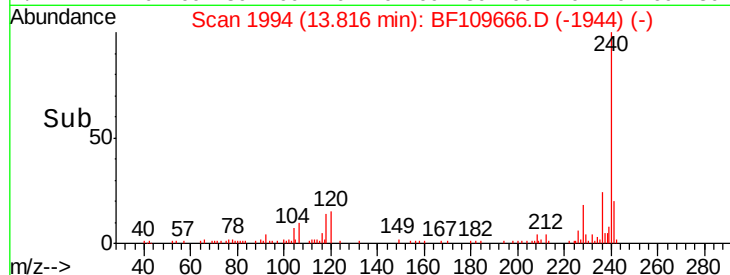
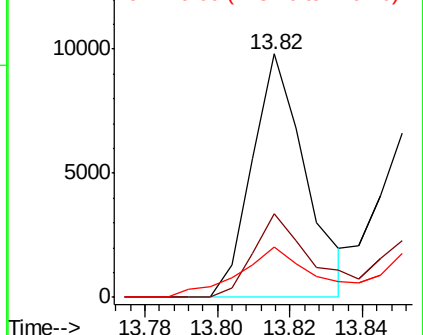
Tgt Ion:	228	Resp:	10034
Ion	Ratio	Lower	Upper
228	100		
226	34.1	22.1	33.1#
229	20.7	15.6	23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.755 ng

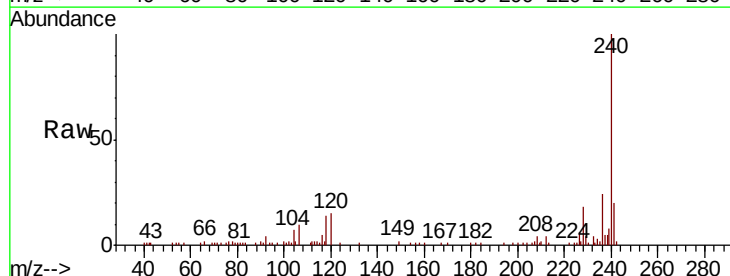
RT: 13.82 min Scan# 1994

Delta R.T. -0.04 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

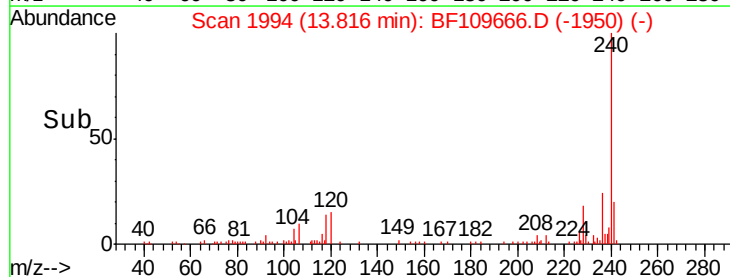
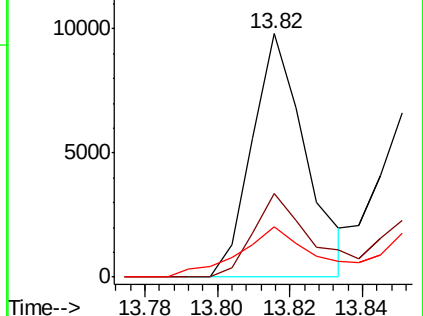
Tgt Ion:	228	Resp:	10034
Ion	Ratio	Lower	Upper
228	100		
226	34.1	24.7	37.1
229	20.7	15.9	23.9

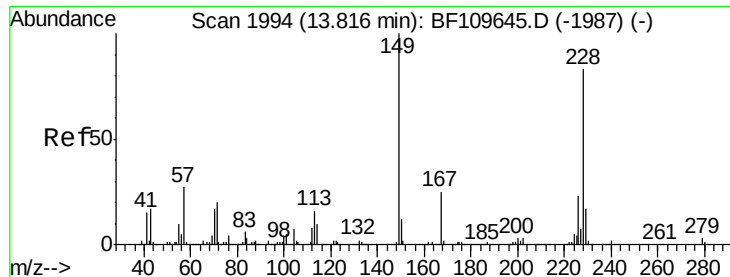


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.133 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

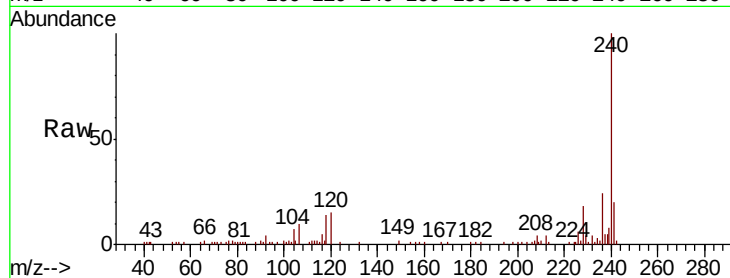
Tgt Ion:149 Resp: 1181

Ion Ratio Lower Upper

149 100

167 24.5 19.8 29.8

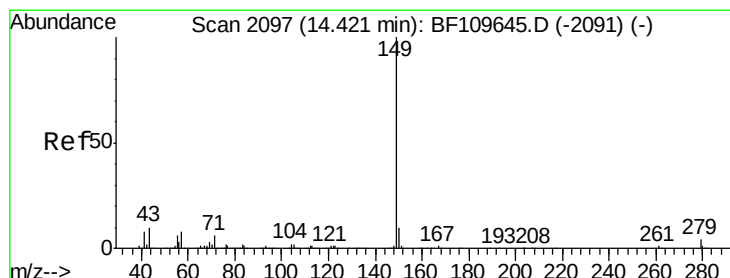
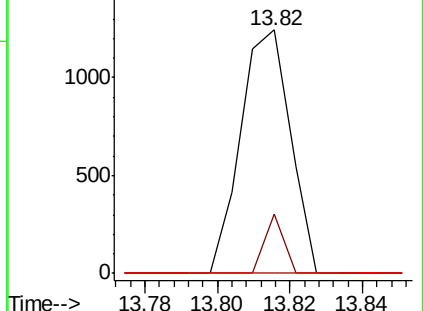
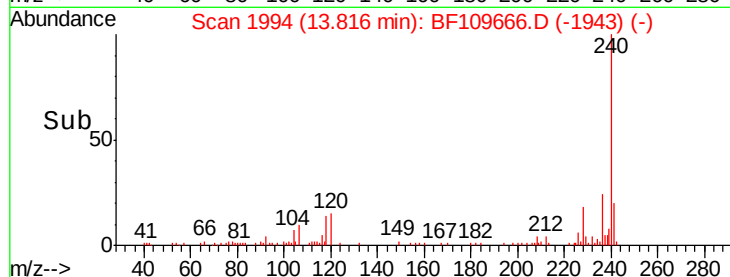
279 0.0 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.008 ng

RT: 14.66 min Scan# 2138

Delta R.T. 0.24 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

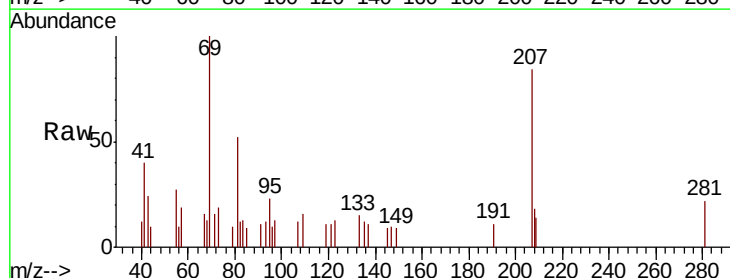
Tgt Ion:149 Resp: 112

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

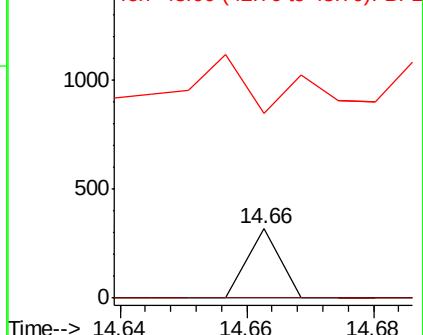
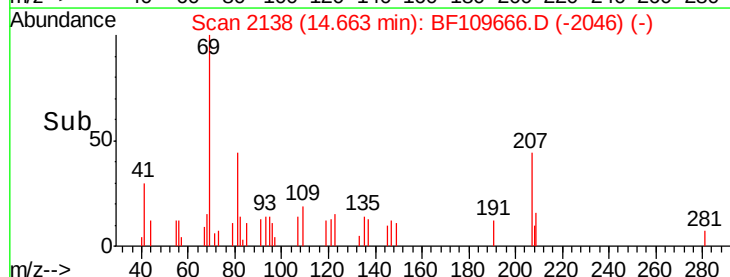
43 0.0 7.8 11.8#

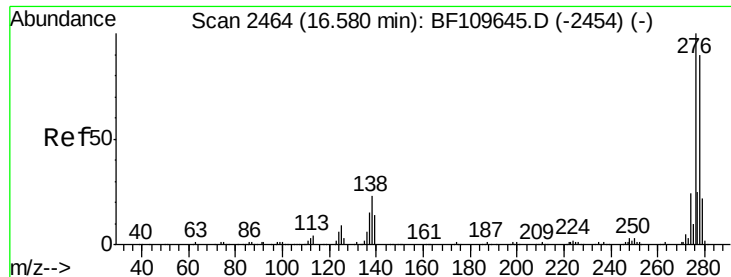


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

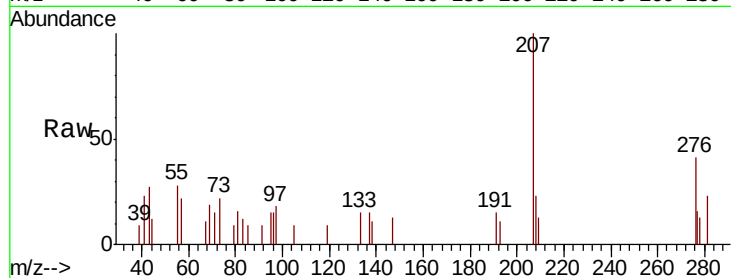




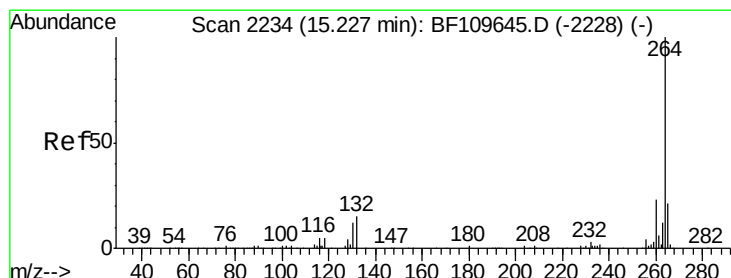
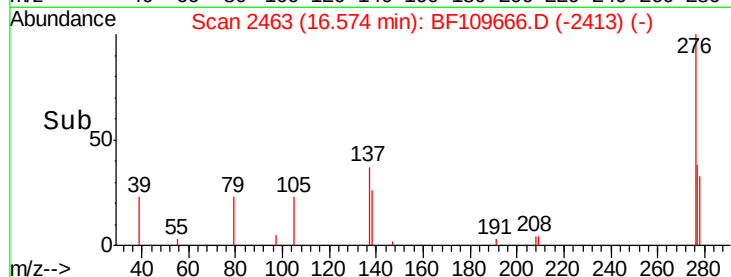
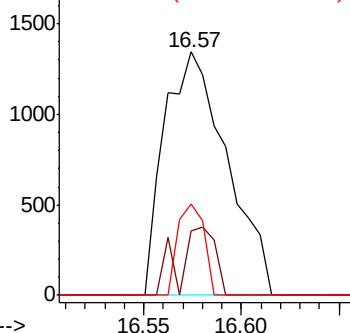
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.314 ng
 RT: 16.57 min Scan# 2463
 Delta R.T. -0.01 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

Instrument :
 BNA_F
 ClientSampleId :
 HP-SUB

Tgt Ion:276 Resp: 2993
 Ion Ratio Lower Upper
 276 100
 138 16.0 18.5 27.7#
 277 15.8 20.0 30.0#

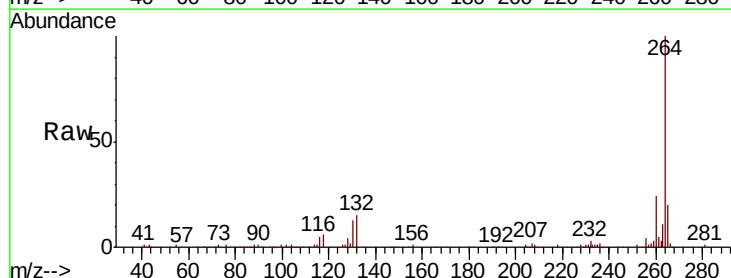


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

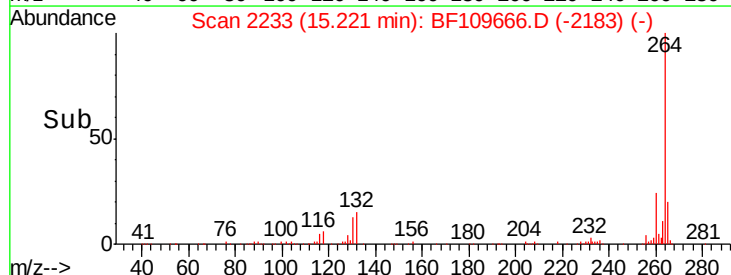
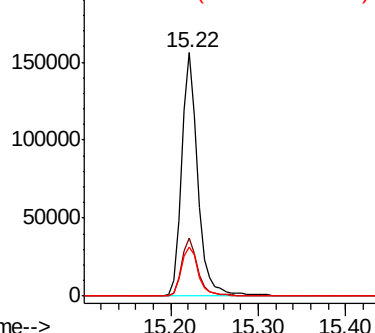


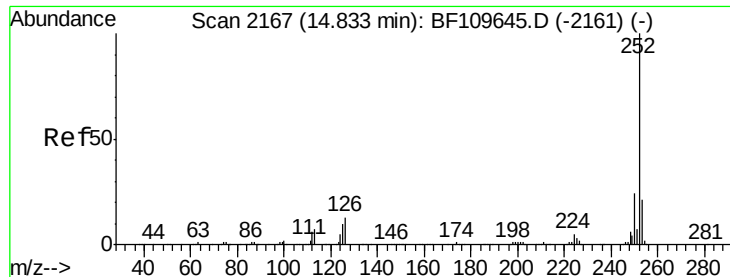
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2233
 Delta R.T. -0.01 min
 Lab File: BF109666.D
 Acq: 8 Oct 2018 23:49

Tgt Ion:264 Resp: 201940
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 20.4 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

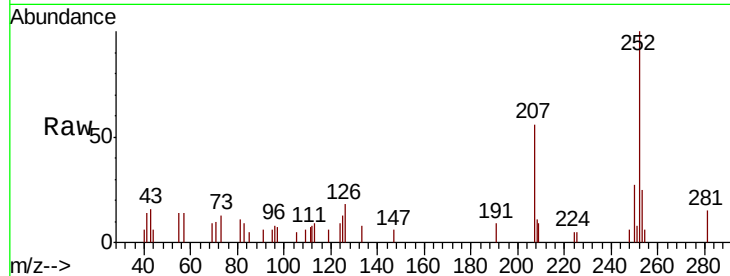




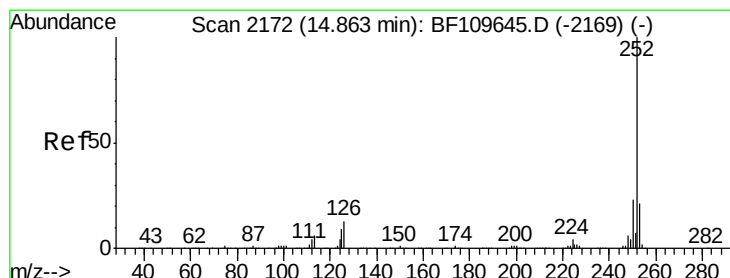
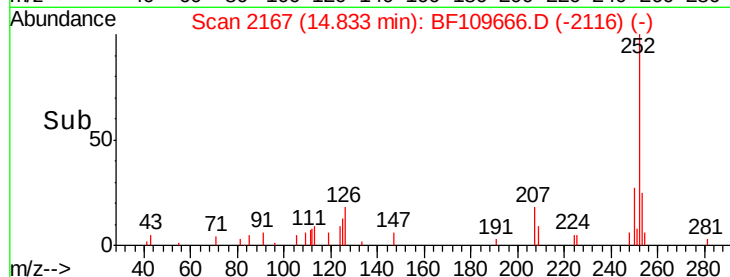
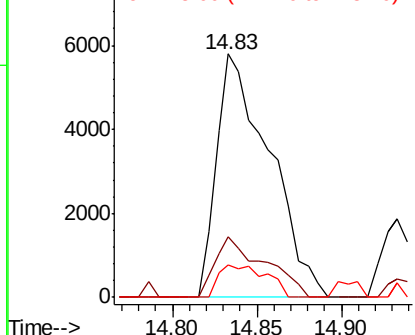
#87
Benzo(b)fluoranthene
Concen: 1.131 ng
RT: 14.83 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Instrument :
BNA_F
ClientSampleId :
HP-SUB

Tgt Ion:252 Resp: 12621
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 13.4 8.2 12.4#

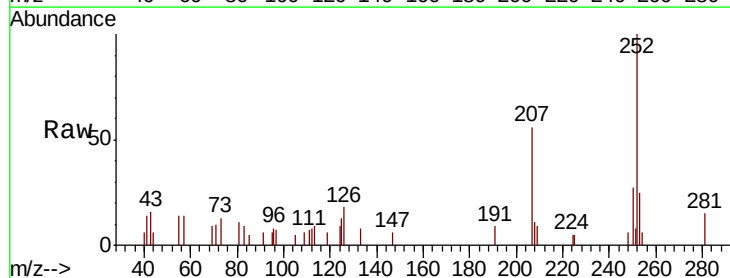


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

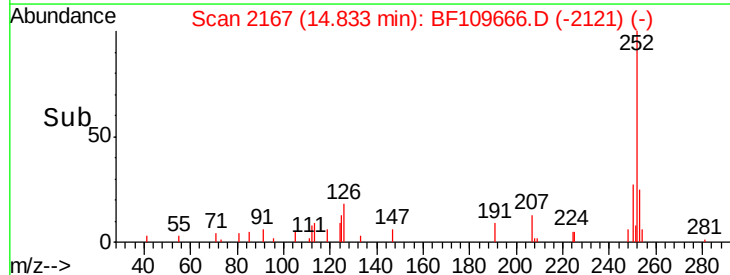
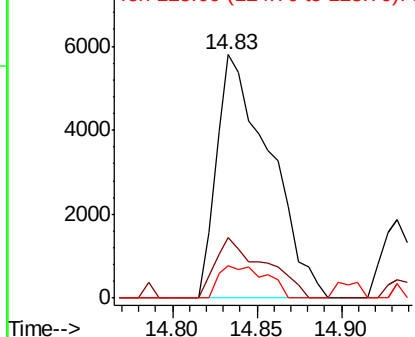


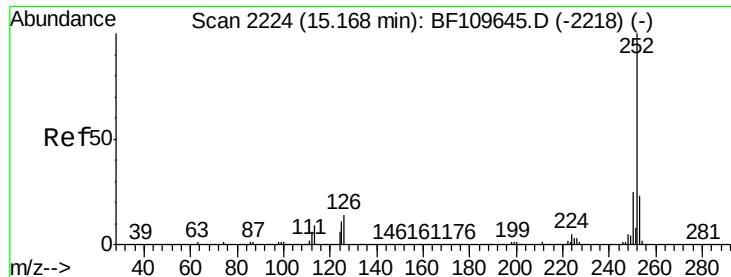
#88
Benzo(k)fluoranthene
Concen: 1.126 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109666.D
Acq: 8 Oct 2018 23:49

Tgt Ion:252 Resp: 12621
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 13.4 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.734 ng

RT: 15.17 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

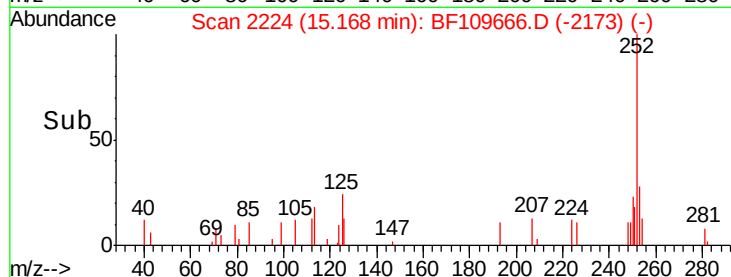
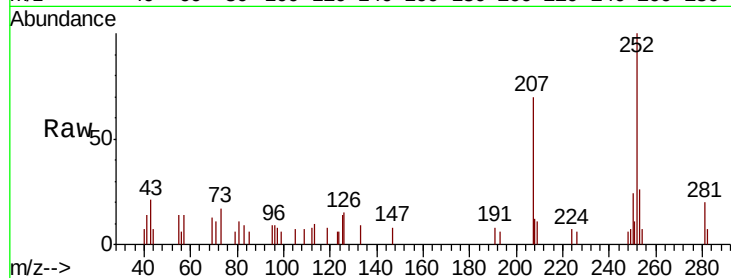
Tgt Ion:252 Resp: 7433

Ion Ratio Lower Upper

252 100

253 26.5 18.2 27.4

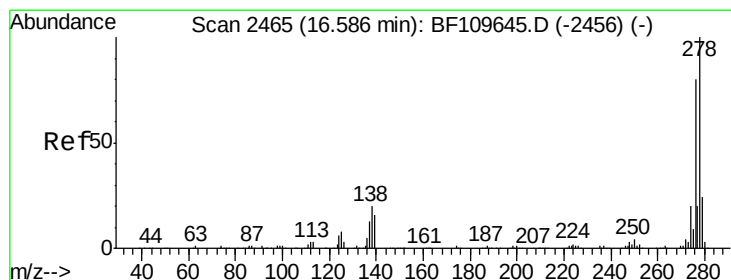
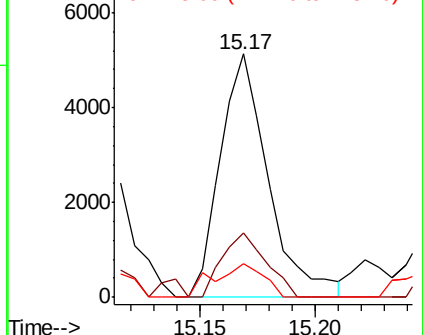
125 14.0 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.083 ng

RT: 16.57 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

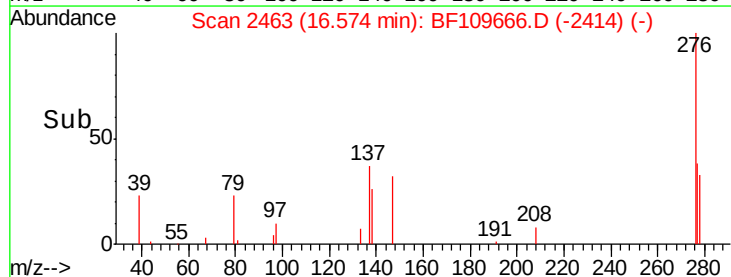
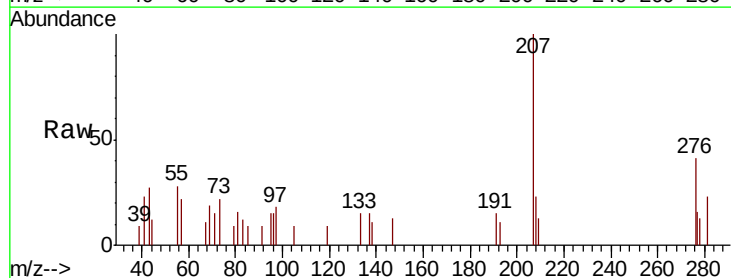
Tgt Ion:278 Resp: 690

Ion Ratio Lower Upper

278 100

139 0.0 12.7 19.1#

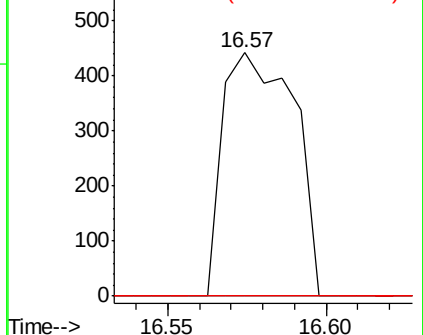
279 0.0 19.0 28.4#

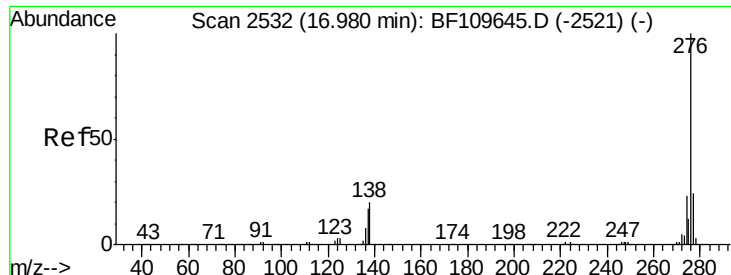


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 0.304 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BF109666.D

Acq: 8 Oct 2018 23:49

Instrument :

BNA_F

ClientSampleId :

HP-SUB

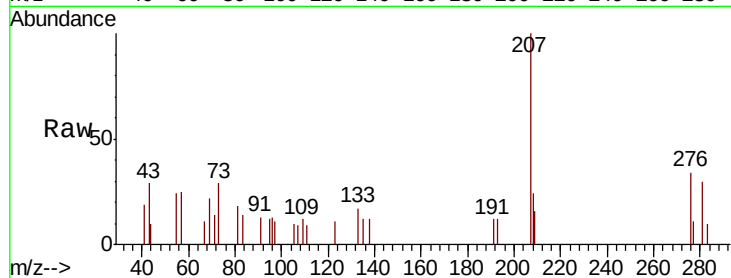
Tgt Ion: 276 Resp: 2527

Ion Ratio Lower Upper

276 100

277 31.5 18.8 28.2#

138 36.4 16.0 24.0#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

