

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
 Data File : BF109907.D
 Acq On : 16 Oct 2018 16:06
 Operator : JU/SJ
 Sample : J5526-22
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 17 03:51:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	238973	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	844758	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	321264	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	484896	20.00	ng	0.00
76) Chrysene-d12	14.16	240	547389	20.00	ng	0.00
87) Perylene-d12	15.69	264	587468	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1810751	120.11	ng	0.00
7) Phenol-d6	6.60	99	2220658	118.62	ng	0.00
23) Nitrobenzene-d5	7.55	82	1374703	109.62	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	339500	122.06	ng	0.00
45) 2-Fluorobiphenyl	9.34	172	1980546	98.37	ng	0.00
79) Terphenyl-d14	13.10	244	1605899	61.61	ng	0.00

Target Compounds

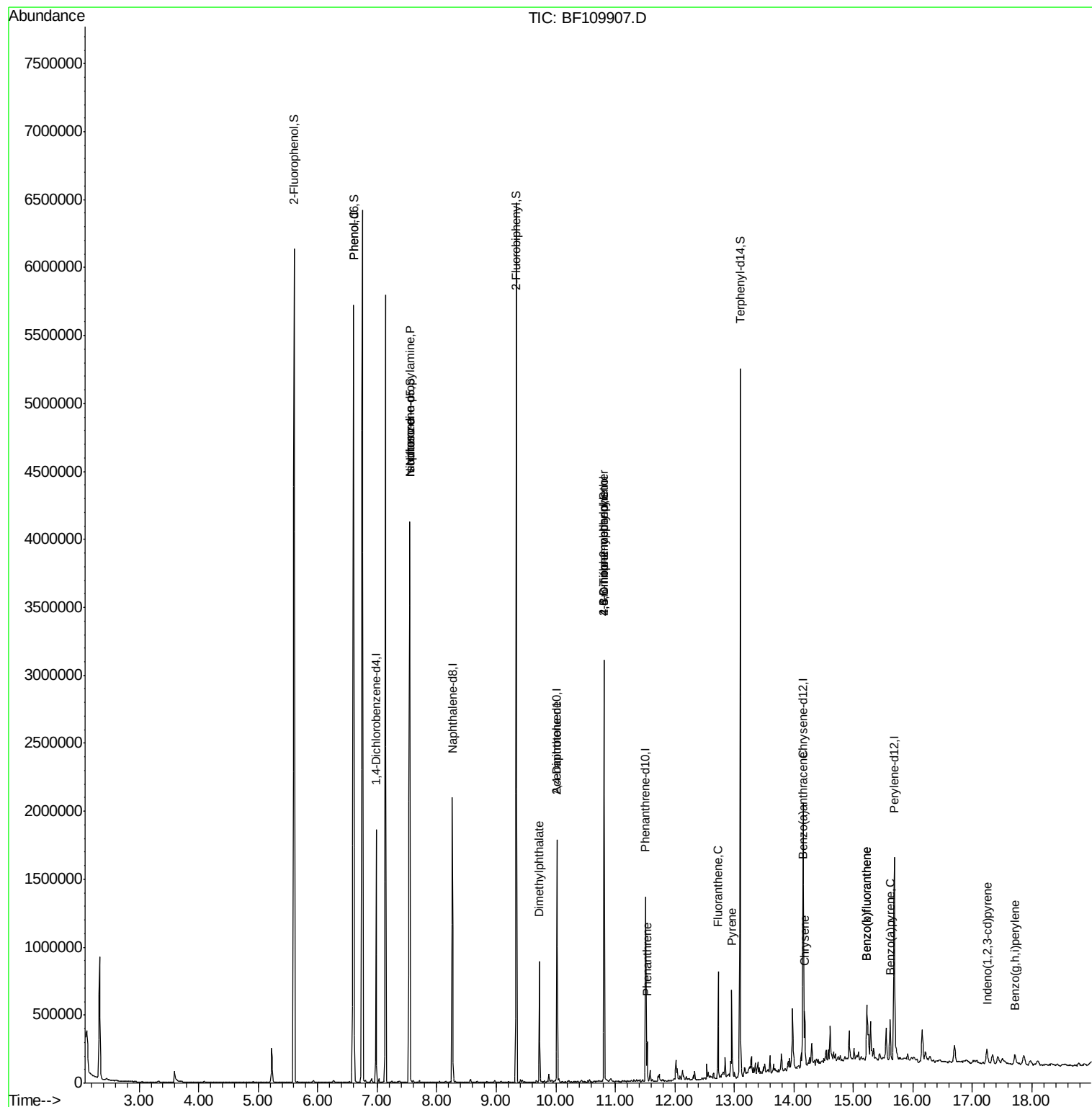
						Qvalue
10) Phenol	6.61	94	131107	6.487	ng	# 71
19) n-Nitroso-di-n-propylamine	7.55	70	181459	15.097	ng	# 81
25) Isophorone	7.55	82	1374960	55.801	ng	# 67
50) Dimethylphthalate	9.73	163	314956	13.845	ng	99
57) 2,4-Dinitrotoluene	10.02	165	40774	11.340	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.81	198	803	8.286	ng	# 1
67) 4-Bromophenyl-phenylether	10.81	248	20947	3.986	ng	# 1
71) Phenanthrene	11.53	178	100236	3.993	ng	99
75) Fluoranthene	12.73	202	262787	10.479	ng	98
78) Pyrene	12.96	202	246036	6.120	ng	98
81) Benzo(a)anthracene	14.14	228	152657	4.735	ng	96
83) Chrysene	14.18	228	154728	5.042	ng	97
86) Indeno(1,2,3-cd)pyrene	17.24	276	67639	2.737	ng	96
88) Benzo(b)fluoranthene	15.23	252	302871	8.942	ng	# 94
89) Benzo(k)fluoranthene	15.23	252	302871	9.073	ng	# 93
90) Benzo(a)pyrene	15.62	252	134621	4.322	ng	98
92) Benzo(a,h,i)perylene	17.72	276	56221	2.016	ng	# 93

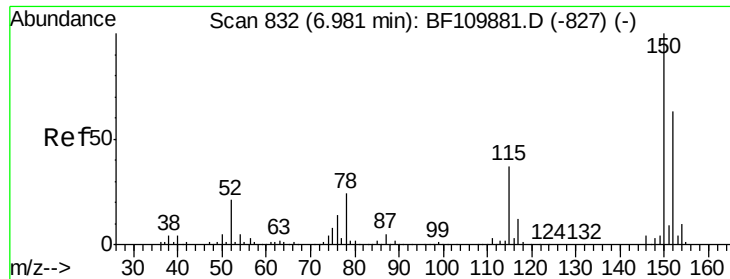
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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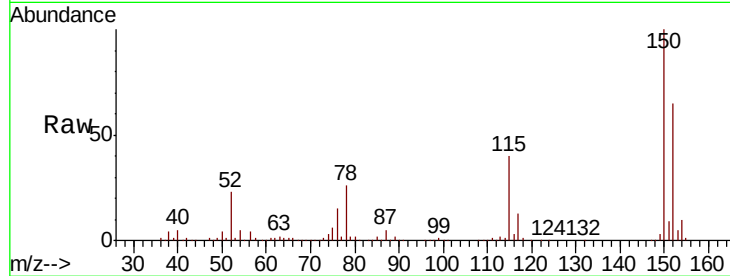


#1

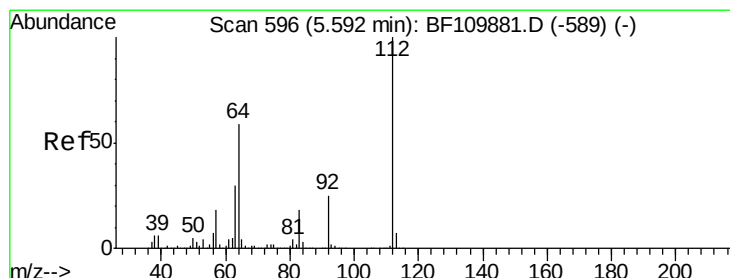
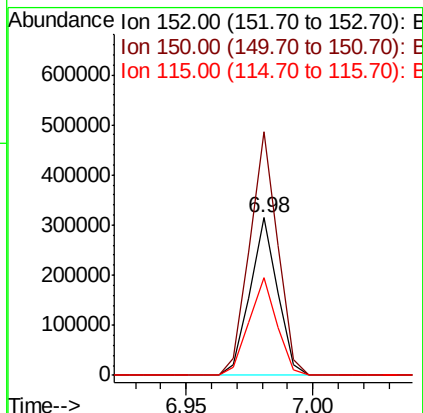
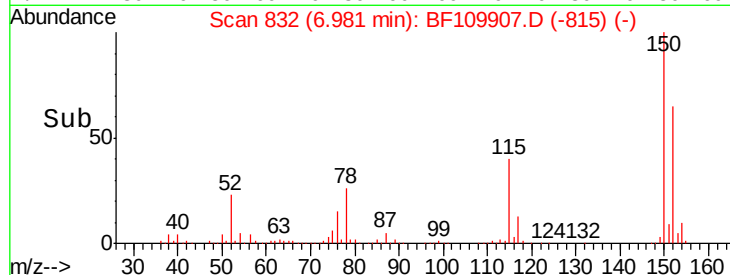
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 238973
Ion Ratio Lower Upper
152 100
150 154.4 122.7 184.1
115 61.9 49.1 73.7



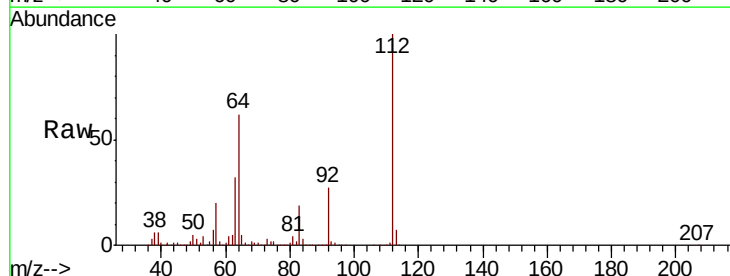
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



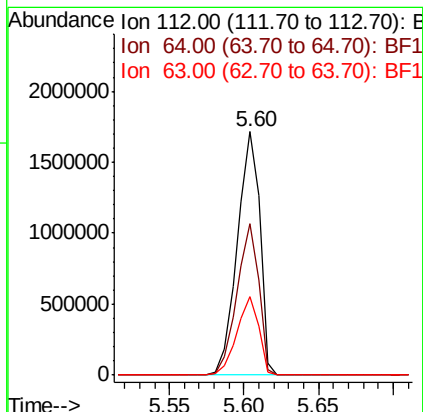
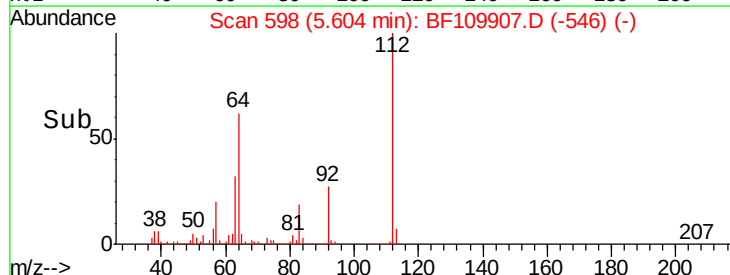
#5

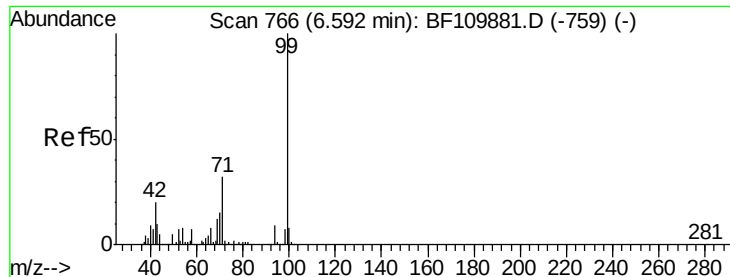
2-Fluorophenol
Concen: 120.109 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion:112 Resp: 1810751
Ion Ratio Lower Upper
112 100
64 62.1 44.1 66.1
63 32.4 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: 118.623 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Instrument :

BNA_F

ClientSampled :

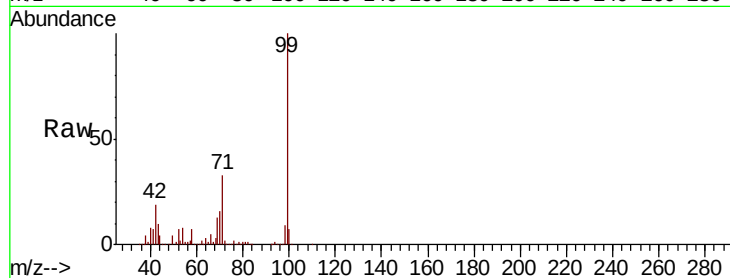
Tot Ion: 99 Resp: 2220658

Ion Ratio Lower Upper

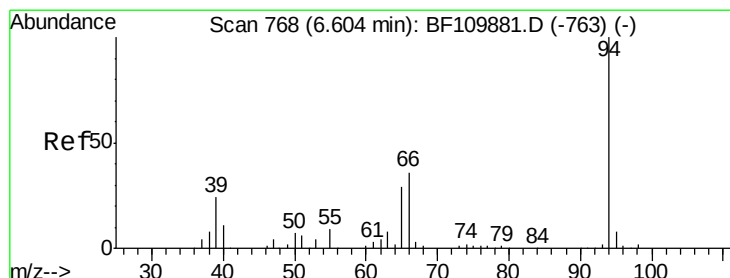
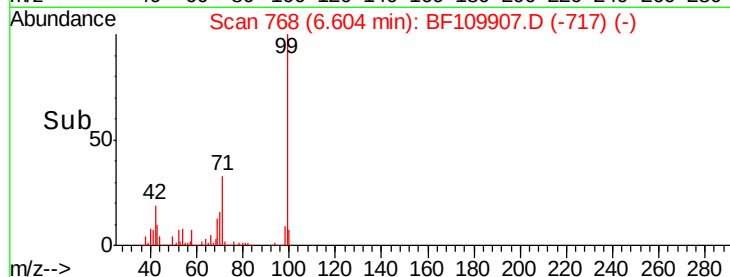
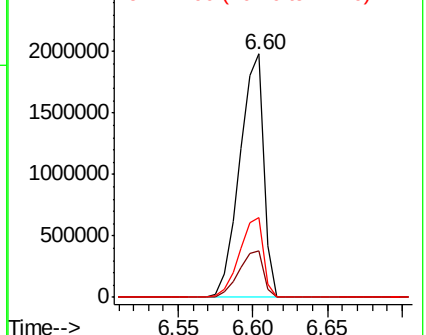
99 100

42 19.0 15.8 23.6

71 33.0 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.487 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

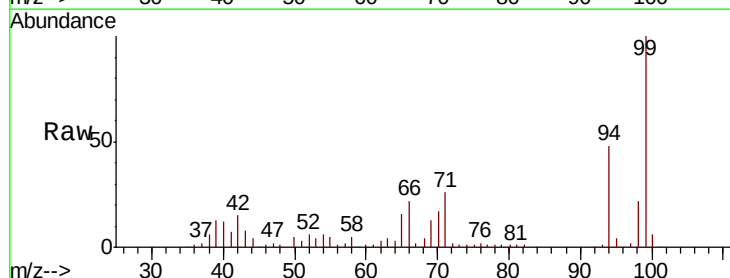
Tgt Ion: 94 Resp: 131107

Ion Ratio Lower Upper

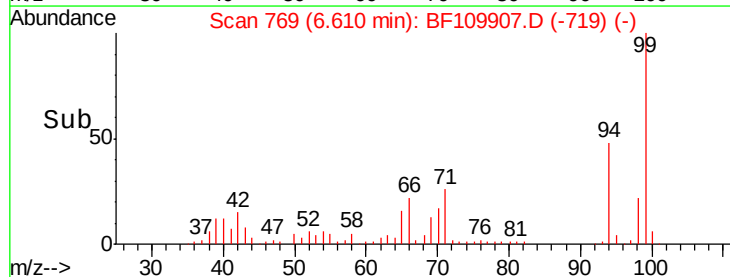
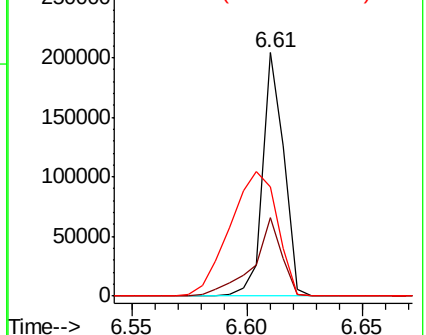
94 100

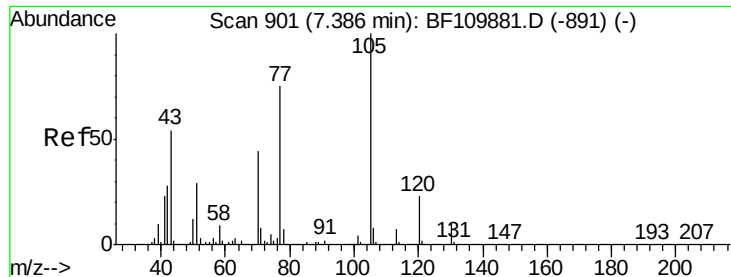
65 32.4 25.3 65.3

66 44.7 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

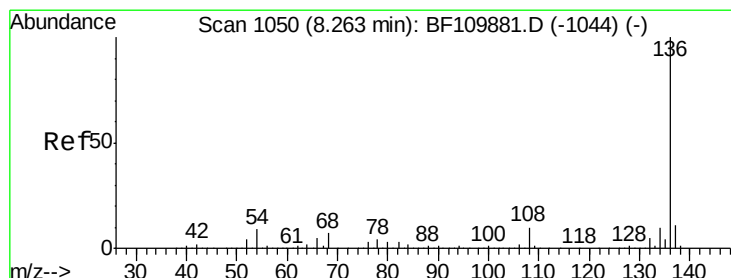
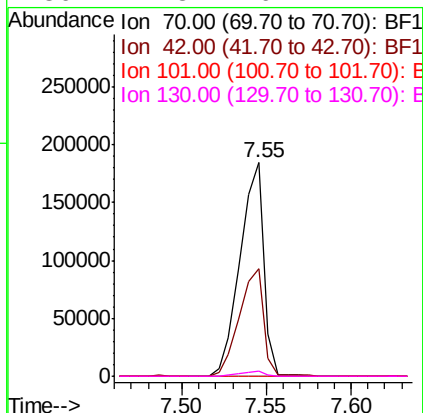
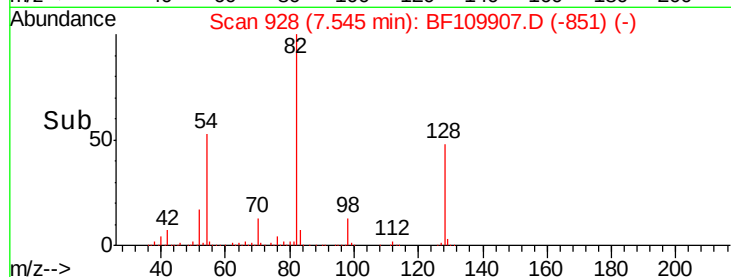
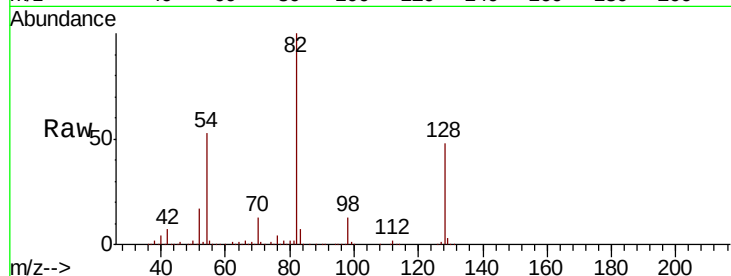




#19
n-Nitroso-di-n-propylamine
Concen: 15.097 ng
RT: 7.55 min Scan# 928
Delta R.T. 0.15 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

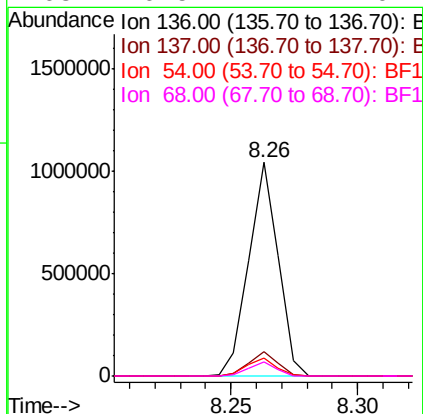
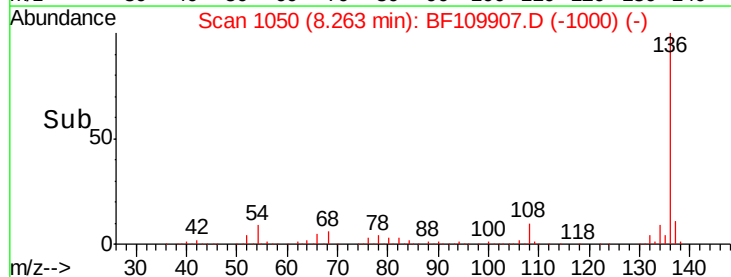
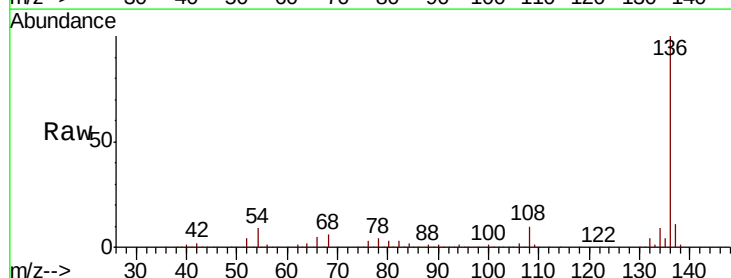
Instrument :
BNA_F
ClientSampleId :

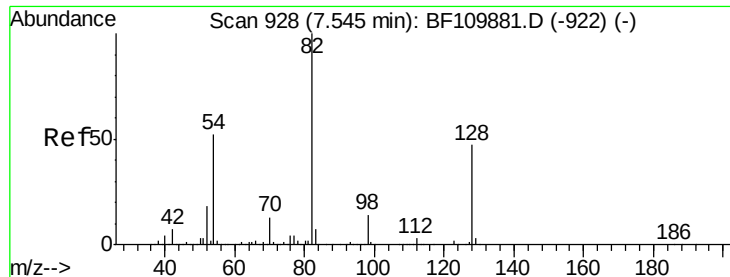
Tot Ion: 70 Resp: 181459
Ion Ratio Lower Upper
70 100
42 50.5 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion: 136 Resp: 844758
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.6 5.4 8.2#
68 6.5 4.2 6.2#

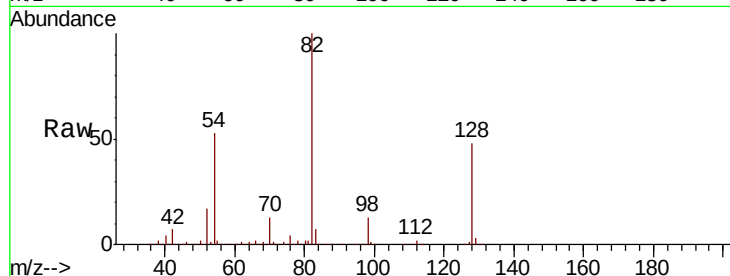




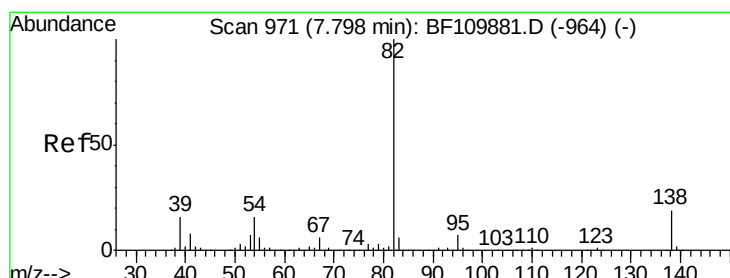
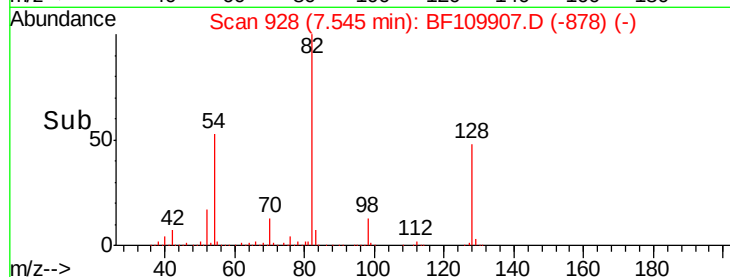
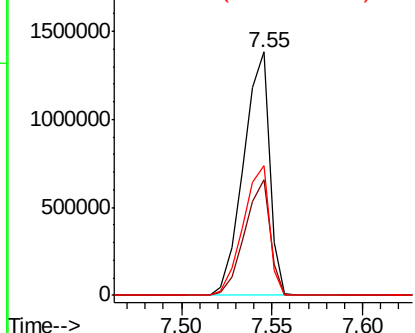
#23
Nitrobenzene-d5
Concen: 109.624 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1374703
Ion Ratio Lower Upper
82 100
128 47.5 34.2 51.2
54 53.0 38.6 58.0

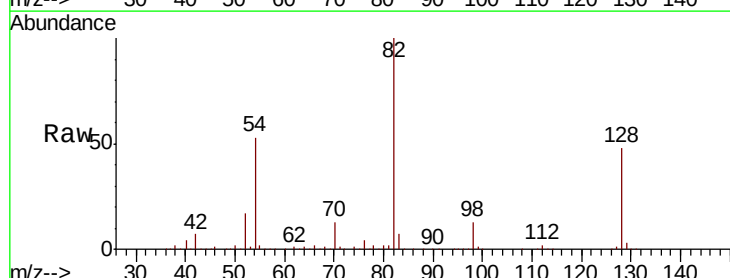


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

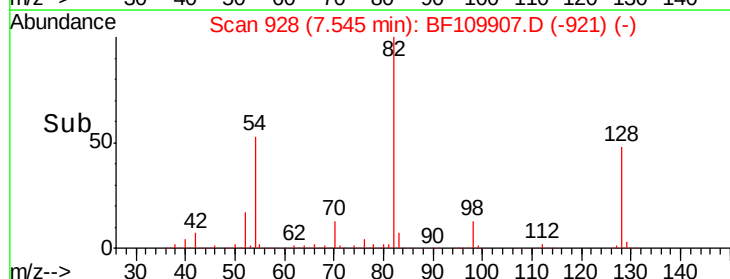
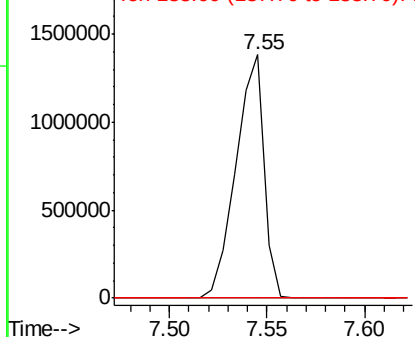


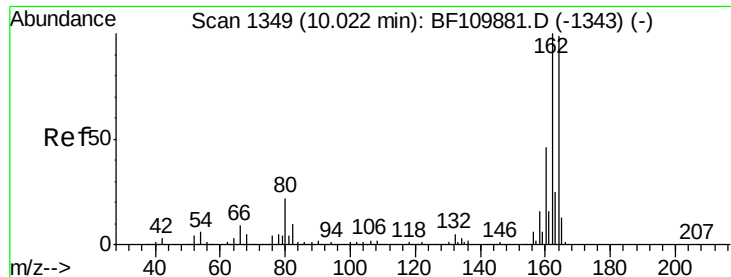
#25
Isophorone
Concen: 55.801 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.26 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion: 82 Resp: 1374960
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

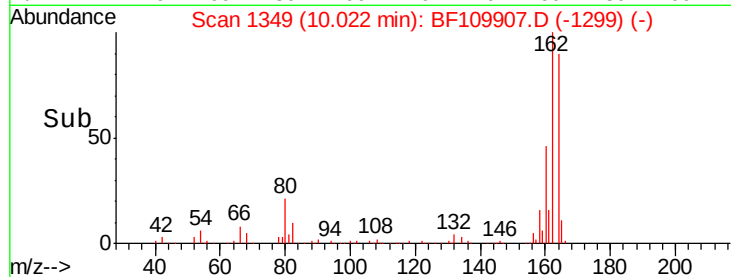
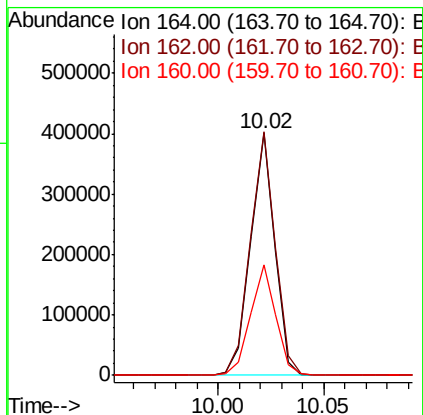
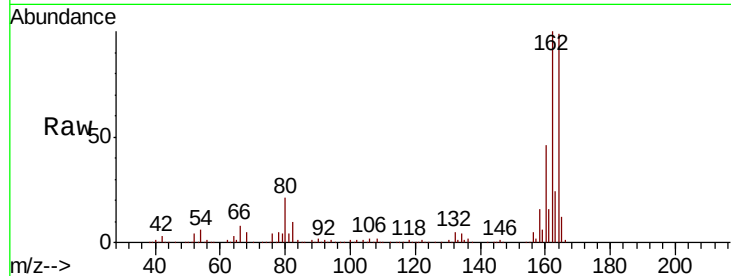




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: BF109907.D
 Acq: 16 Oct 2018 16:06

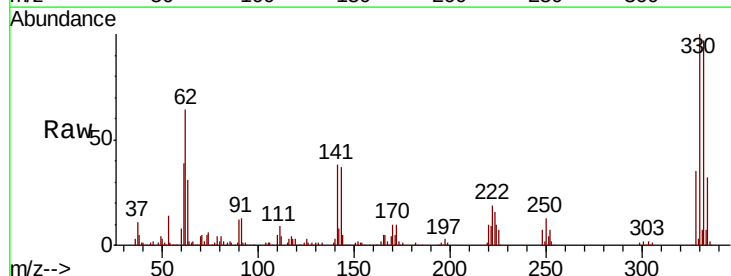
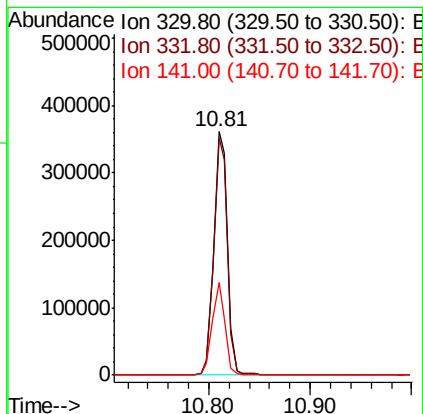
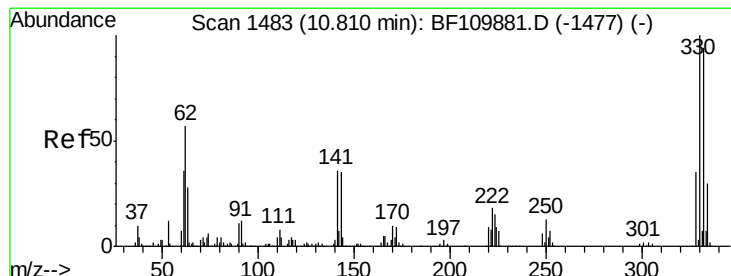
Instrument :
 BNA_F
 ClientSampled :

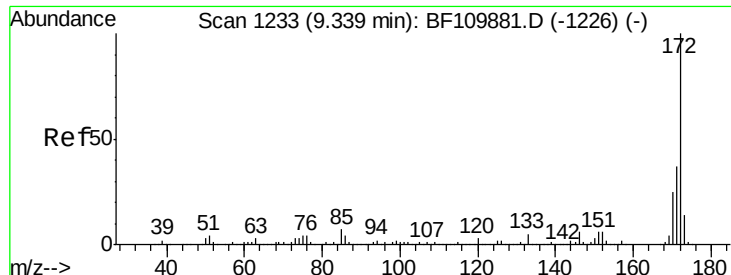
Tot Ion:164 Resp: 321264
 Ion Ratio Lower Upper
 164 100
 162 100.6 83.0 124.6
 160 45.9 37.0 55.6



#42
 2,4,6-Tribromophenol
 Concen: 122.060 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BF109907.D
 Acq: 16 Oct 2018 16:06

Tgt Ion:330 Resp: 339500
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.1 115.7
 141 35.5 27.0 40.4

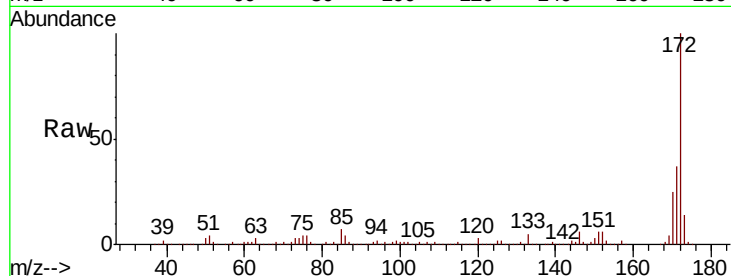




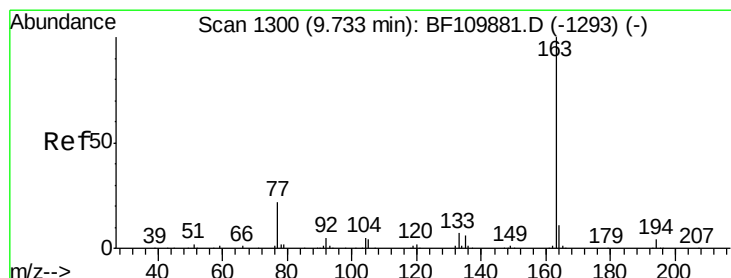
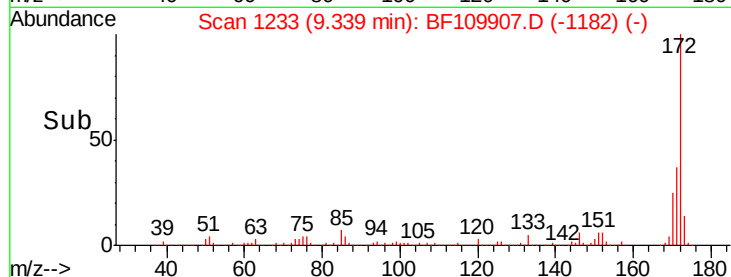
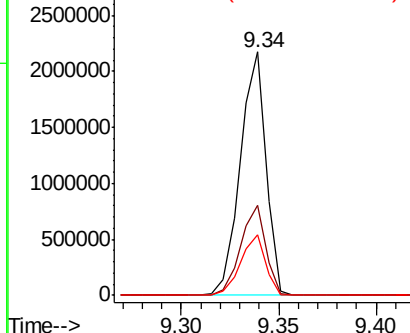
#45
2-Fluorobiphenyl
Concen: 98.370 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1980546
Ion Ratio Lower Upper
172 100
171 37.2 28.6 43.0
170 25.0 19.7 29.5

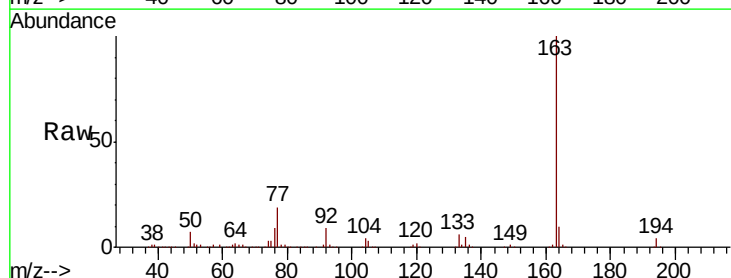


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

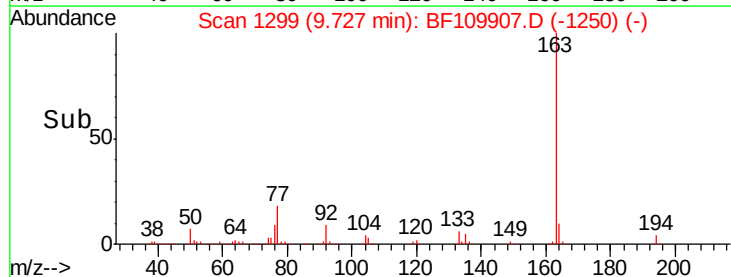
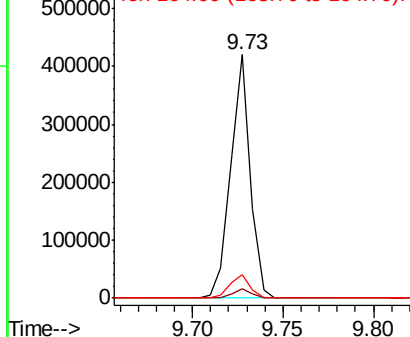


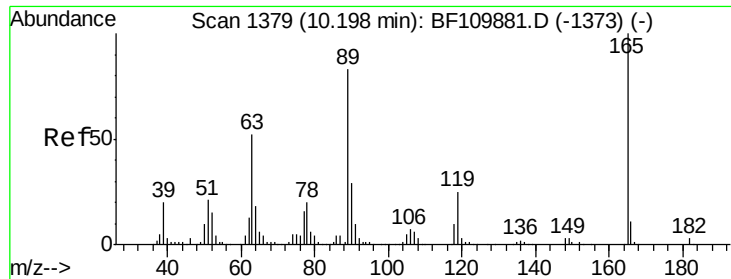
#50
Dimethylphthalate
Concen: 13.845 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion:163 Resp: 314956
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.7 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

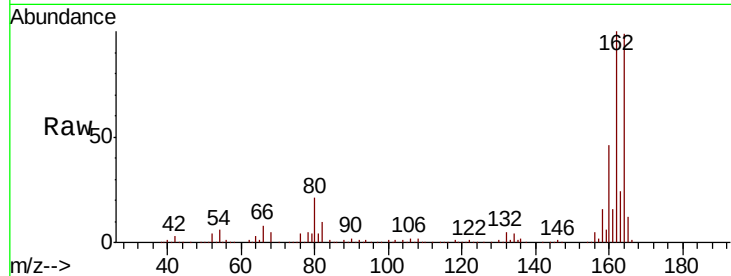




#57
 2,4-Dinitrotoluene
 Concen: 11.340 ng
 RT: 10.02 min Scan# 1349
 Delta R.T. -0.19 min
 Lab File: BF109907.D
 Acq: 16 Oct 2018 16:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.8	67.2#
89	1.5	62.2	93.4#
182	0.0	2.1	3.1#

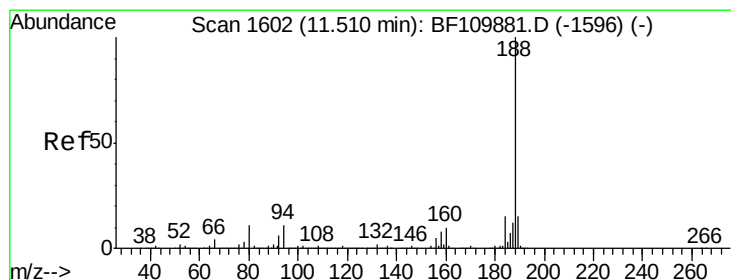
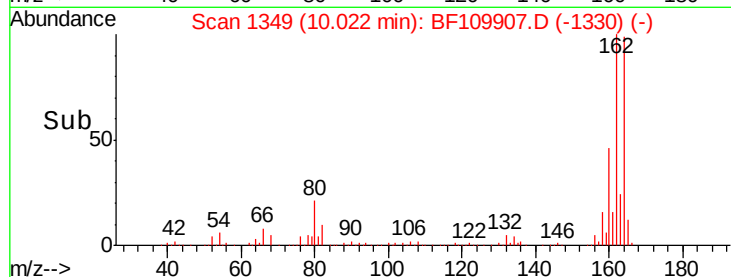
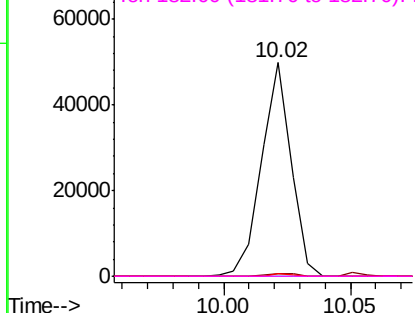


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

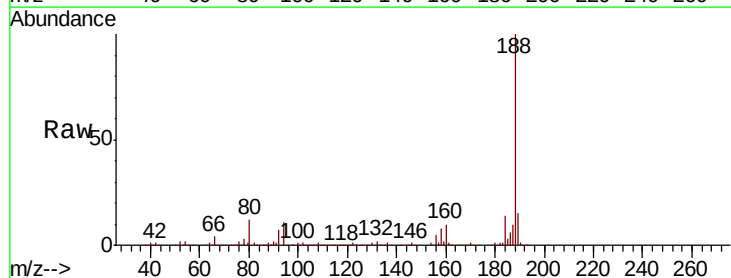
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF109907.D
 Acq: 16 Oct 2018 16:06

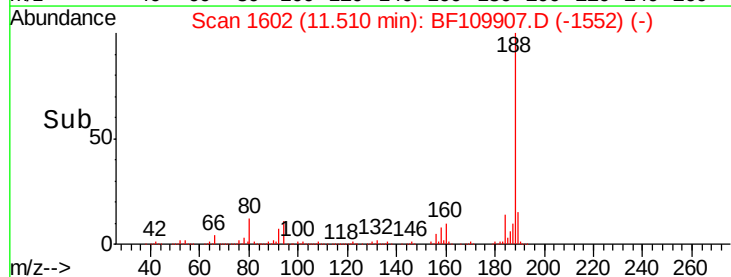
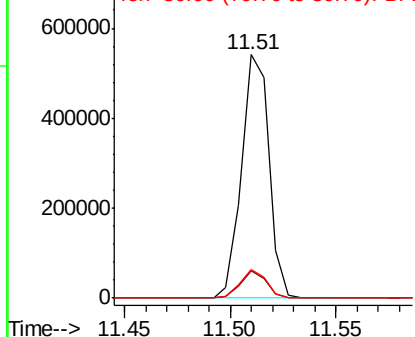
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	7.2	10.8#
80	11.8	7.9	11.9

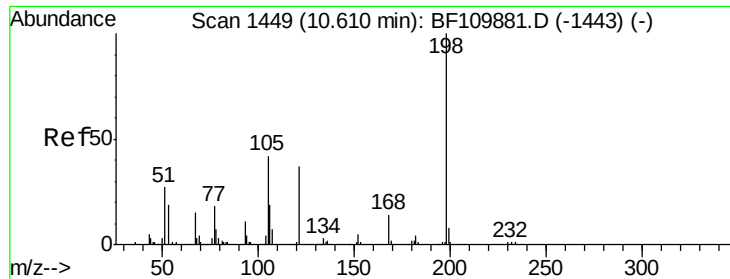


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

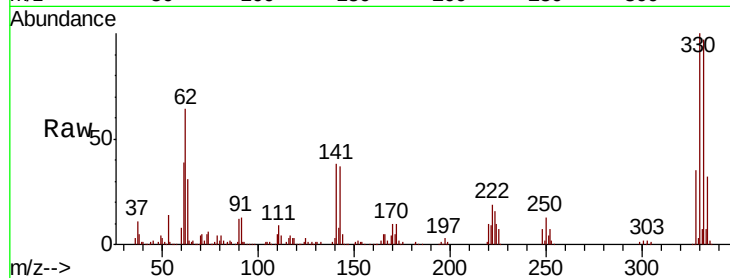




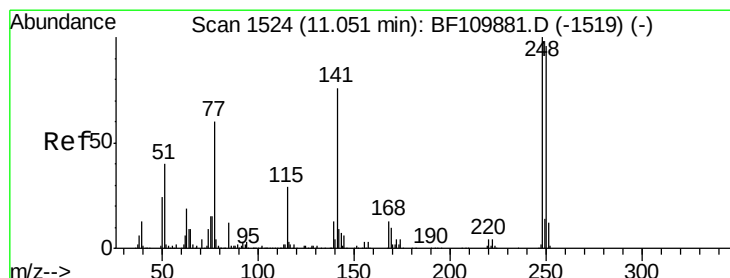
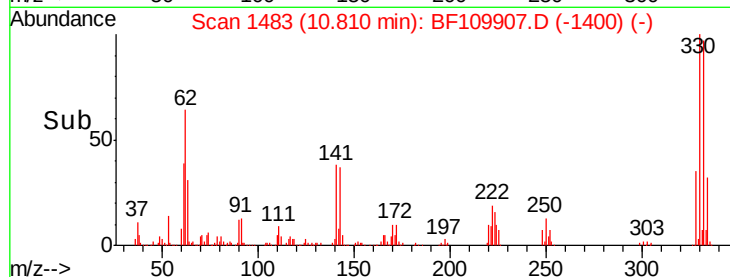
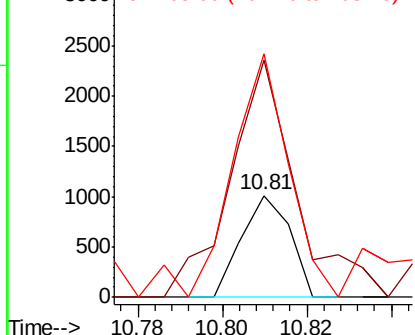
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.286 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.19 min
 Lab File: BF109907.D
 Acq: 16 Oct 2018 16:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 803
 Ion Ratio Lower Upper
 198 100
 51 233.3 22.8 62.8#
 105 239.8 23.6 63.6#

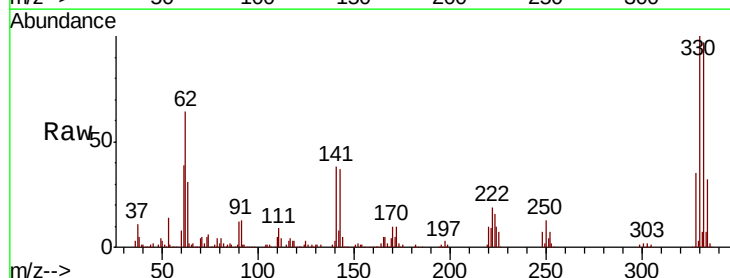


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

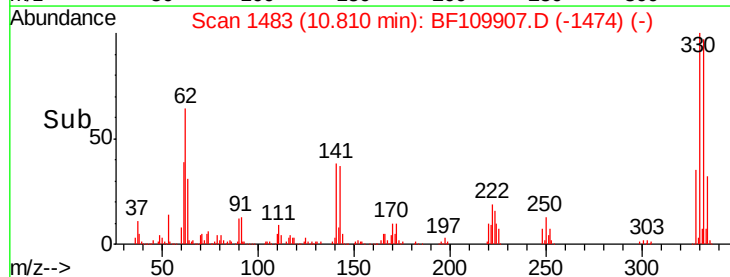
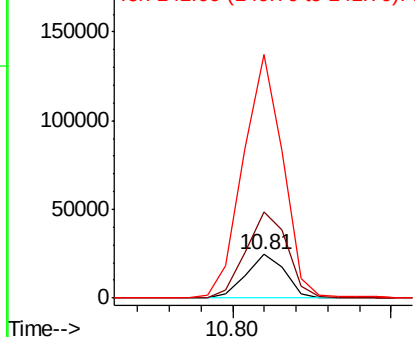


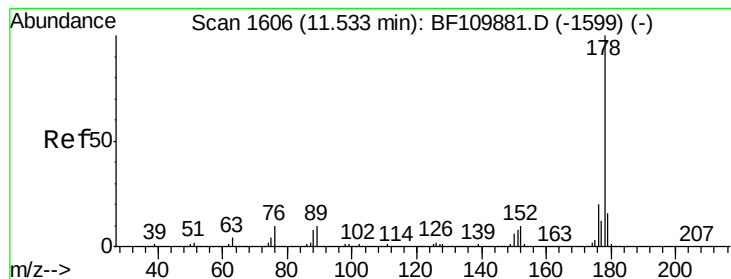
#67
 4-Bromophenyl-phenylether
 Concen: 3.986 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.25 min
 Lab File: BF109907.D
 Acq: 16 Oct 2018 16:06

Tgt Ion:248 Resp: 20947
 Ion Ratio Lower Upper
 248 100
 250 198.7 79.4 119.2#
 141 560.4 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





#71

Phenanthrene

Concen: 3.993 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

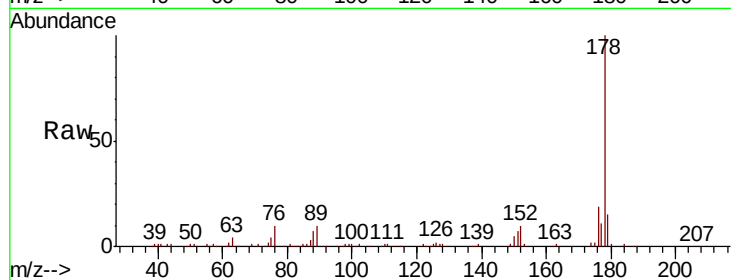
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 100236

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.2	12.5	18.7

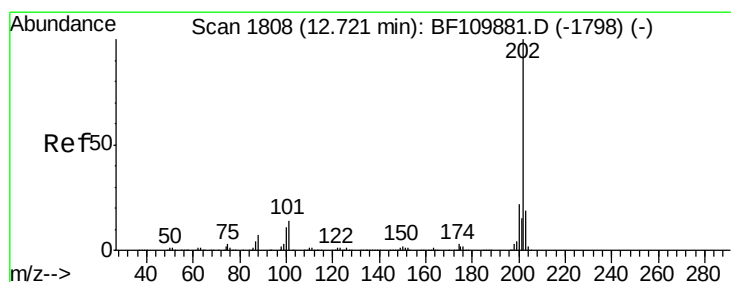
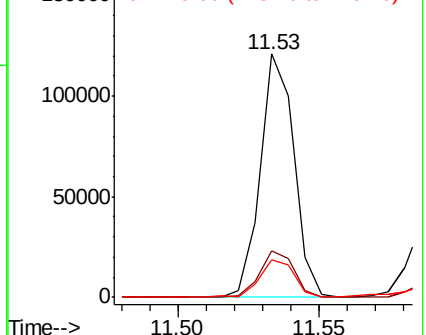
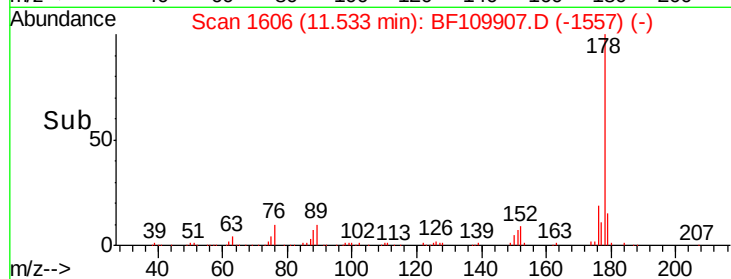


Abundance

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



#75

Fluoranthene

Concen: 10.479 ng

RT: 12.73 min Scan# 1809

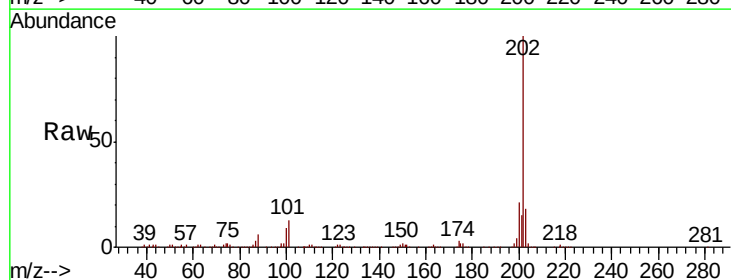
Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Tgt Ion:202 Resp: 262787

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	31.4
203	17.7	0.0	37.7

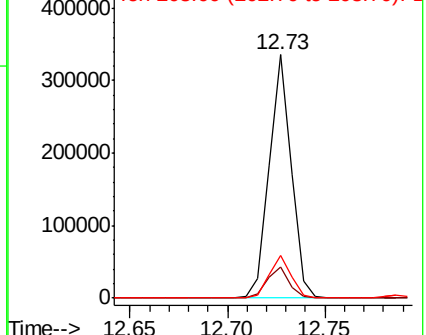
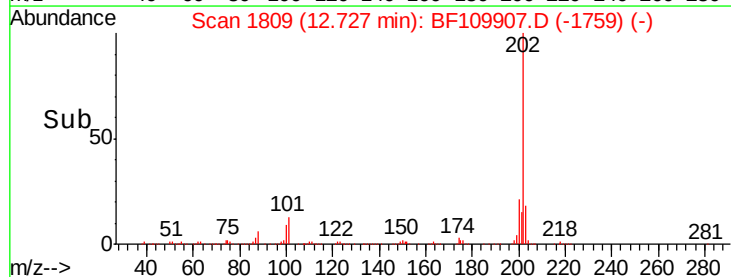


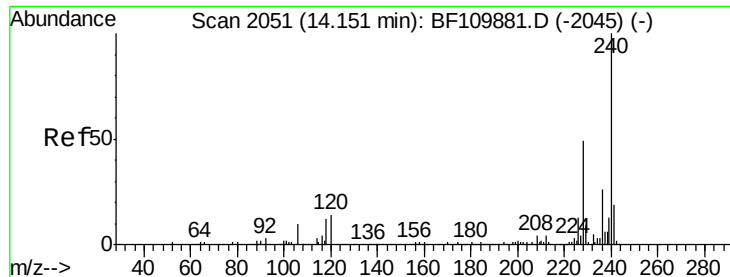
Abundance

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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Instrument :

BNA_F

ClientSampleId :

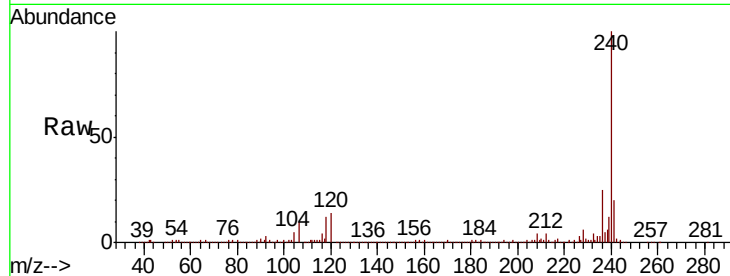
Tot Ion:240 Resp: 547389

Ion Ratio Lower Upper

240 100

120 13.9 8.3 12.5#

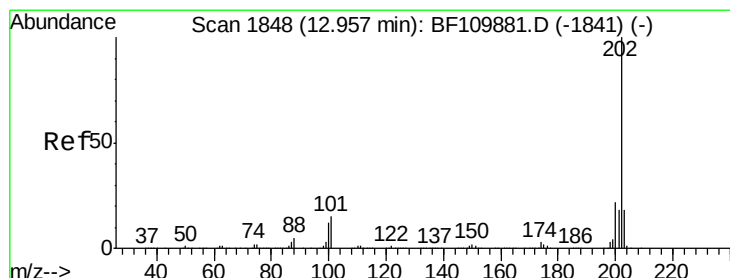
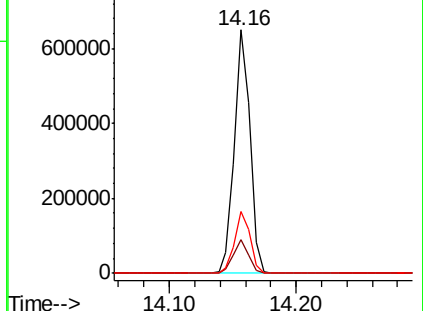
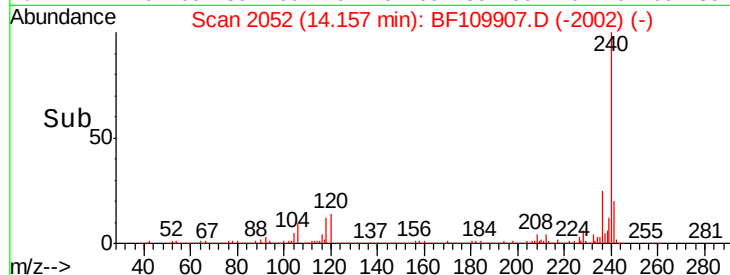
236 25.2 21.2 31.8



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



#78

Pyrene

Concen: 6.120 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

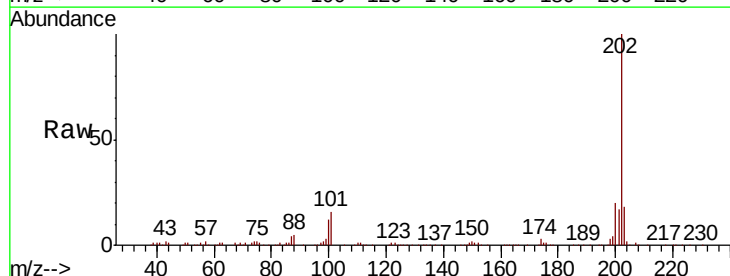
Tgt Ion:202 Resp: 246036

Ion Ratio Lower Upper

202 100

200 20.3 17.8 26.6

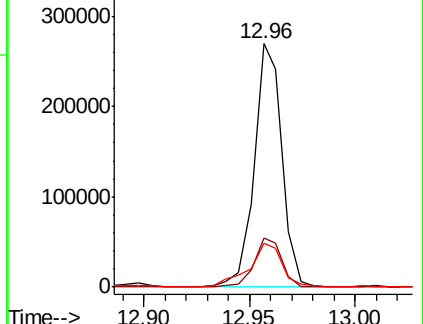
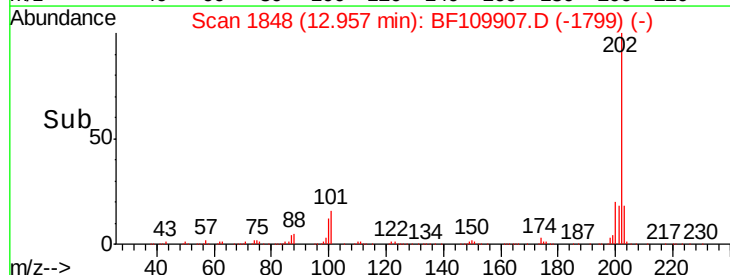
203 18.0 14.2 21.4

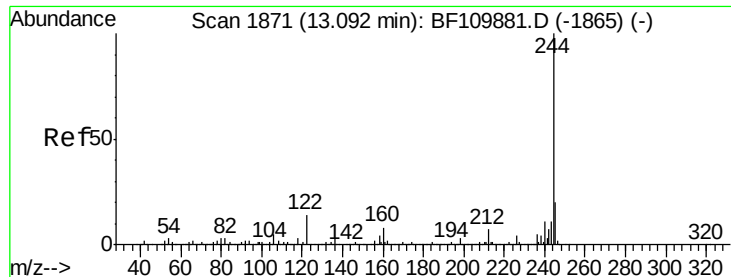


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



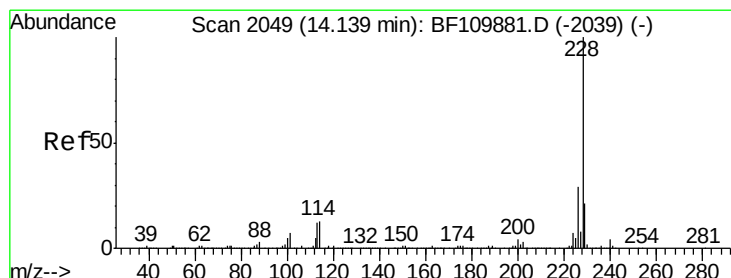
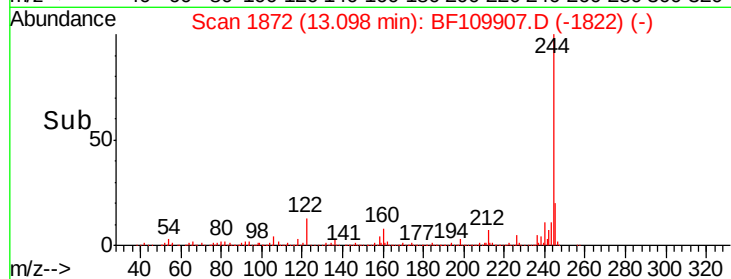
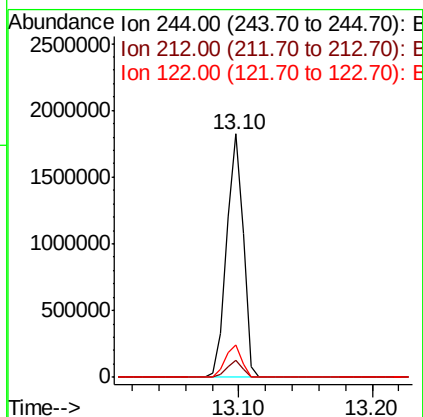
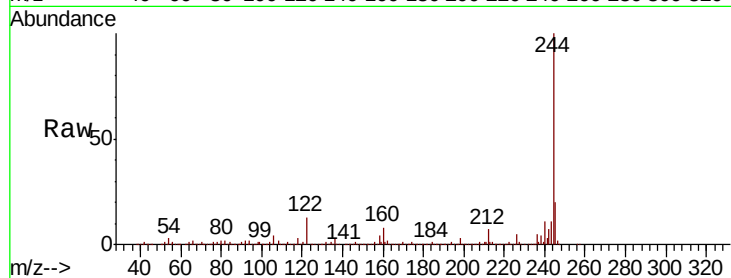


#79
 Terphenyl-d14
 Concen: 61.606 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: BF109907.D
 Acq: 16 Oct 2018 16:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1605899

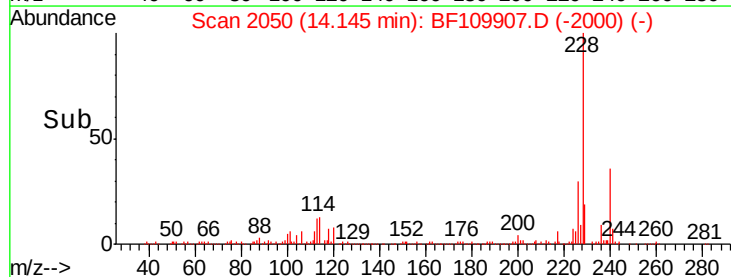
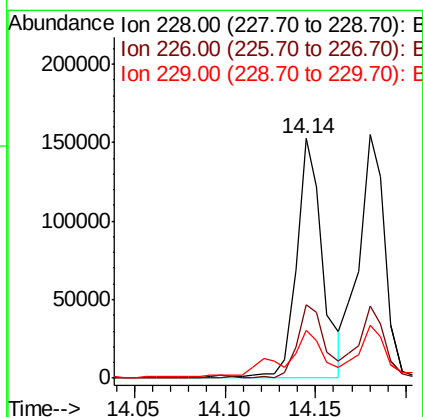
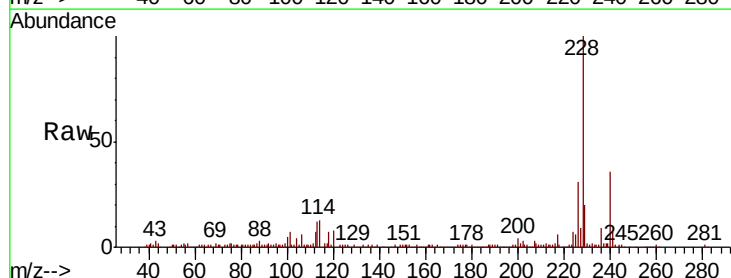
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.4	8.7	13.1#

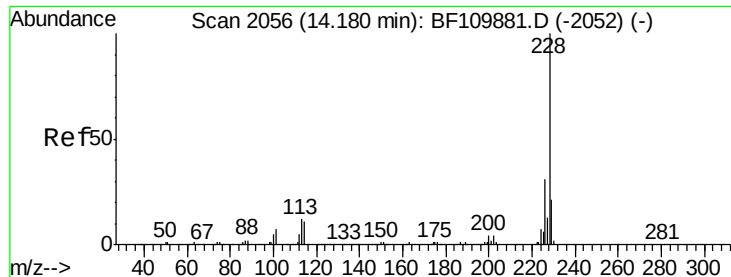


#81
 Benzo(a)anthracene
 Concen: 4.735 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BF109907.D
 Acq: 16 Oct 2018 16:06

Tgt Ion:228 Resp: 152657

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.1	33.1
229	20.2	15.6	23.4





#83

Chrysene

Concen: 5.042 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Instrument :

BNA_F

ClientSampled :

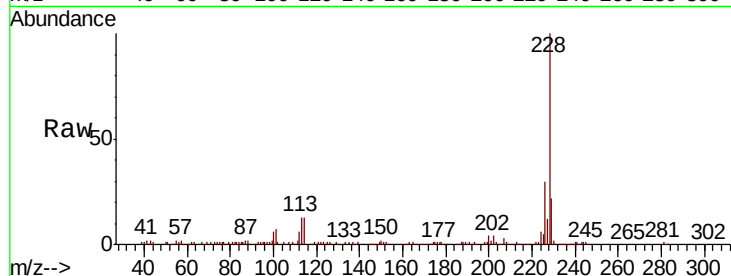
Tot Ion:228 Resp: 154728

Ion Ratio Lower Upper

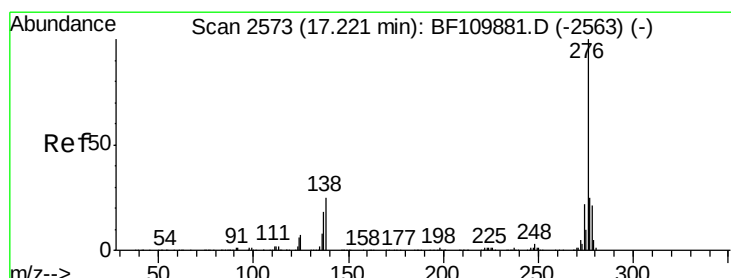
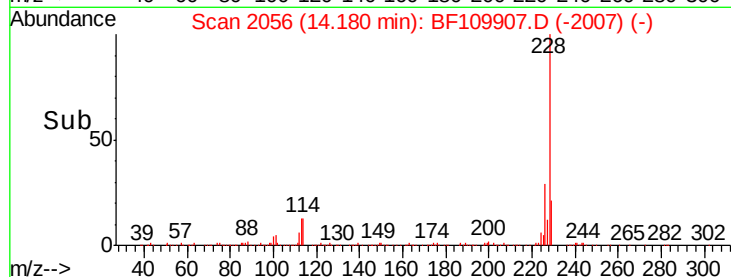
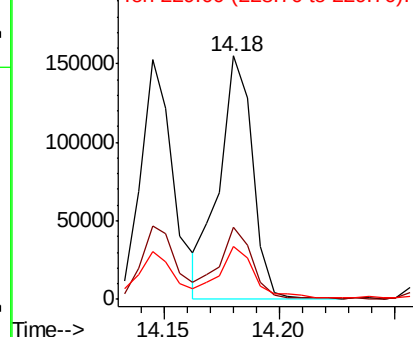
228 100

226 29.8 24.7 37.1

229 21.7 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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.737 ng

RT: 17.24 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

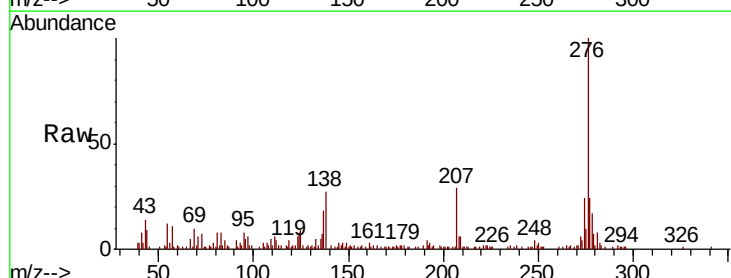
Tgt Ion:276 Resp: 67639

Ion Ratio Lower Upper

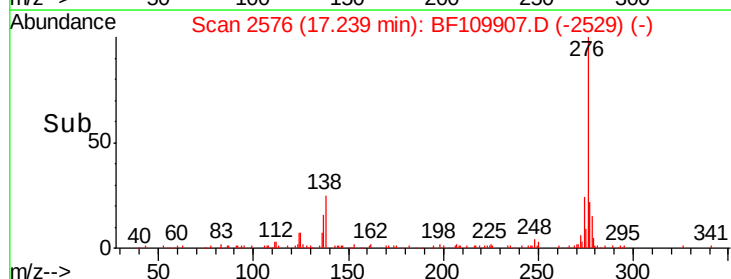
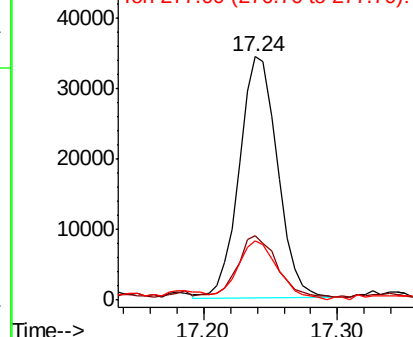
276 100

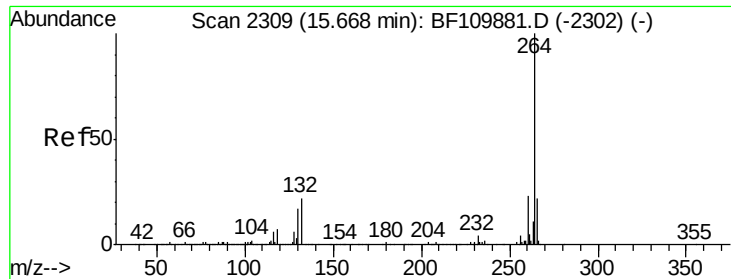
138 25.9 18.5 27.7

277 26.4 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

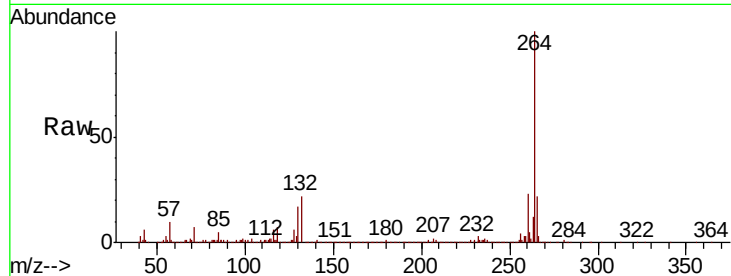




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	22.1	16.7	25.1

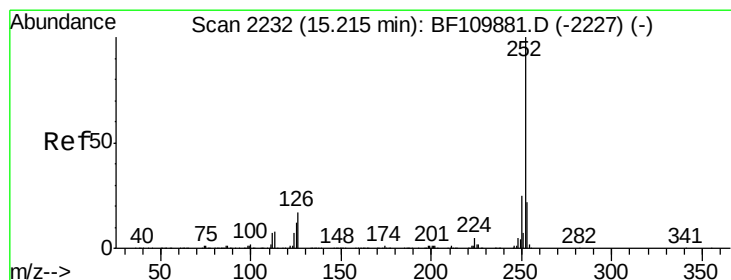
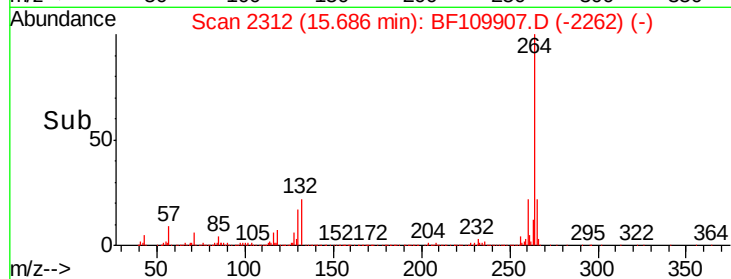
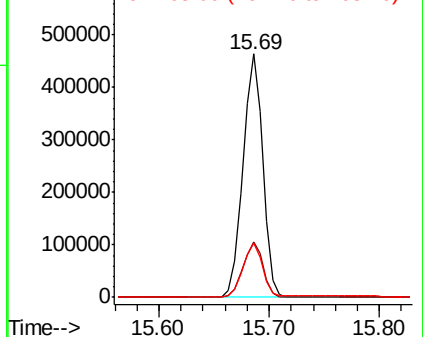


Abundance

Ion 264.00 (263.70 to 264.70): E

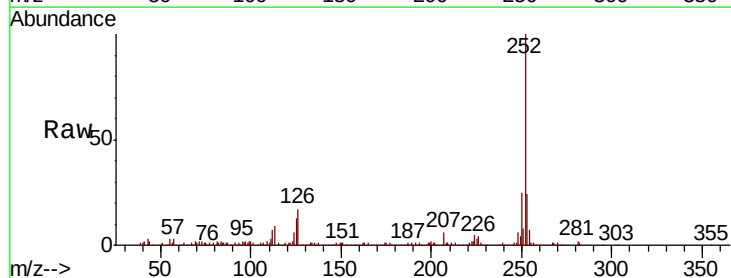
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 8.942 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	13.4	8.2	12.4

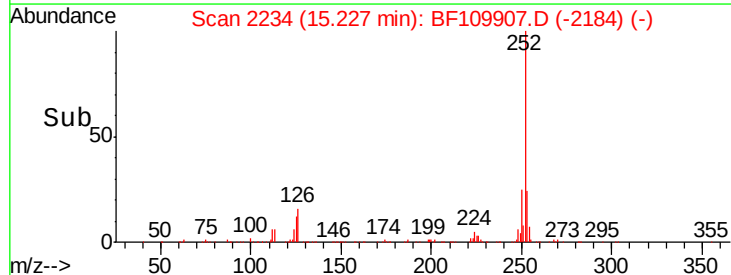
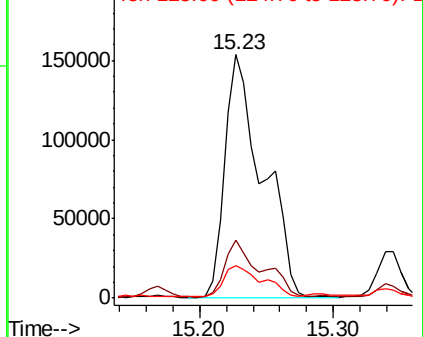


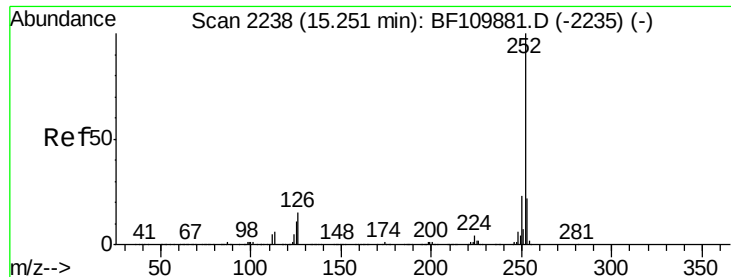
Abundance

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

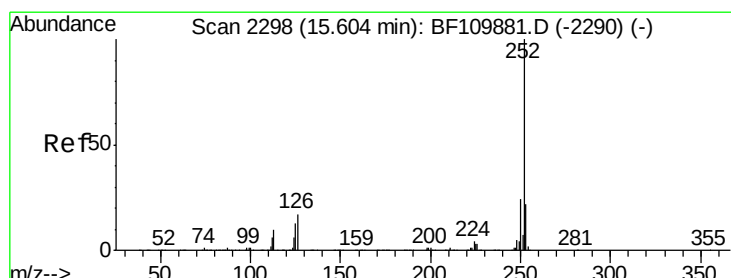
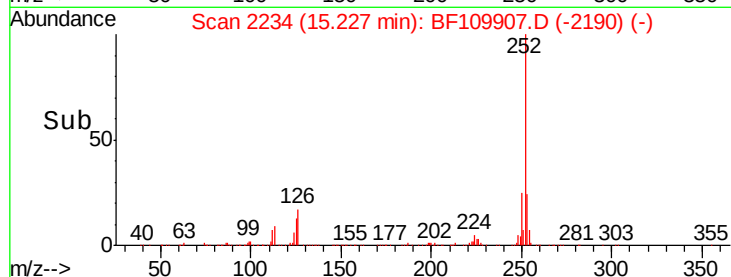
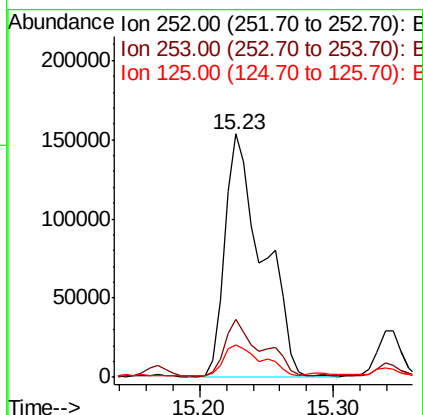
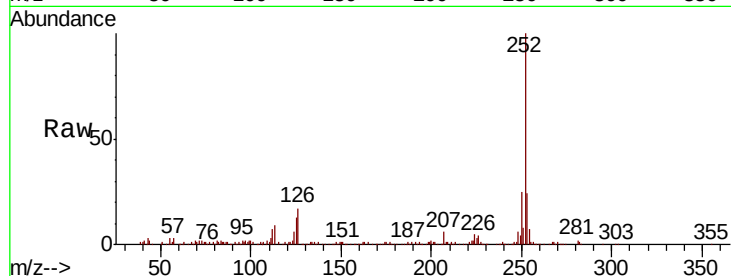




#89
Benzo(k)fluoranthene
Concen: 9.073 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

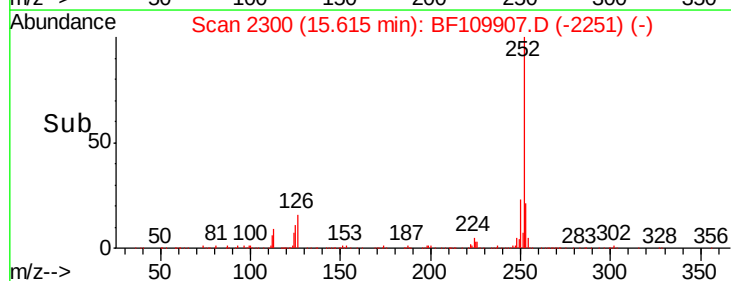
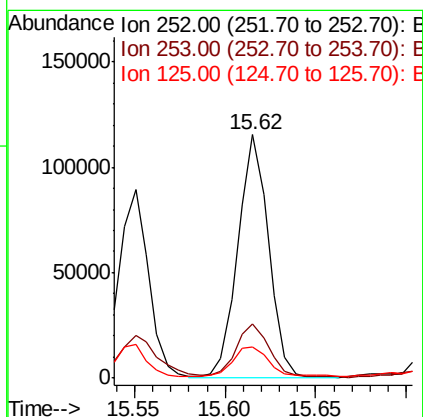
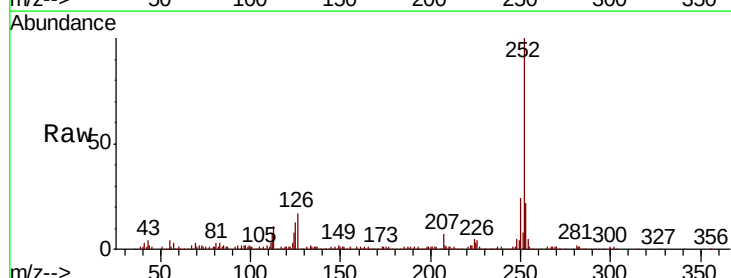
Instrument :
BNA_F
ClientSampleId :

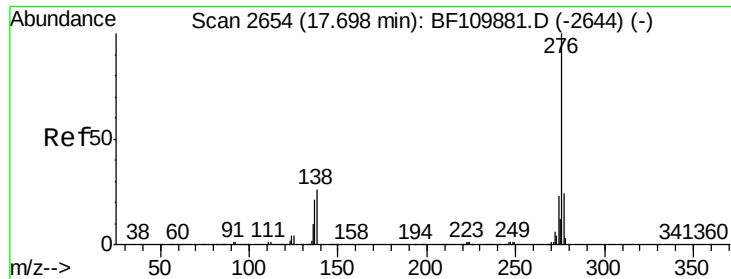
Tot Ion:252 Resp: 302871
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 13.4 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 4.322 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF109907.D
Acq: 16 Oct 2018 16:06

Tgt Ion:252 Resp: 134621
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 12.7 9.0 13.6





#92

Benzo(a,h,i)perylene

Concen: 2.016 ng

RT: 17.72 min Scan# 2657

Delta R.T. -0.02 min

Lab File: BF109907.D

Acq: 16 Oct 2018 16:06

Instrument :

BNA_F

ClientSampleId :

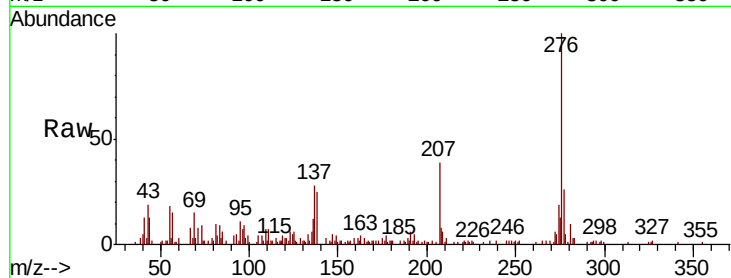
Tot Ion: 276 Resp: 56221

Ion Ratio Lower Upper

276 100

277 25.5 18.8 28.2

138 25.1 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

