

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
 Data File : BF109908.D
 Acq On : 16 Oct 2018 16:33
 Operator : JU/SJ
 Sample : J5526-24
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 17 03:51:17 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	260360	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	964018	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	374836	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	549413	20.00	ng	0.00
76) Chrysene-d12	14.16	240	592883	20.00	ng	0.00
87) Perylene-d12	15.69	264	615873	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	1252950	76.28	ng	0.00
7) Phenol-d6	6.60	99	1546514	75.83	ng	0.00
23) Nitrobenzene-d5	7.54	82	936876	65.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.81	330	218498	67.33	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1414258	60.20	ng	0.00
79) Terphenyl-d14	13.10	244	1035526	36.68	ng	0.00

Target Compounds

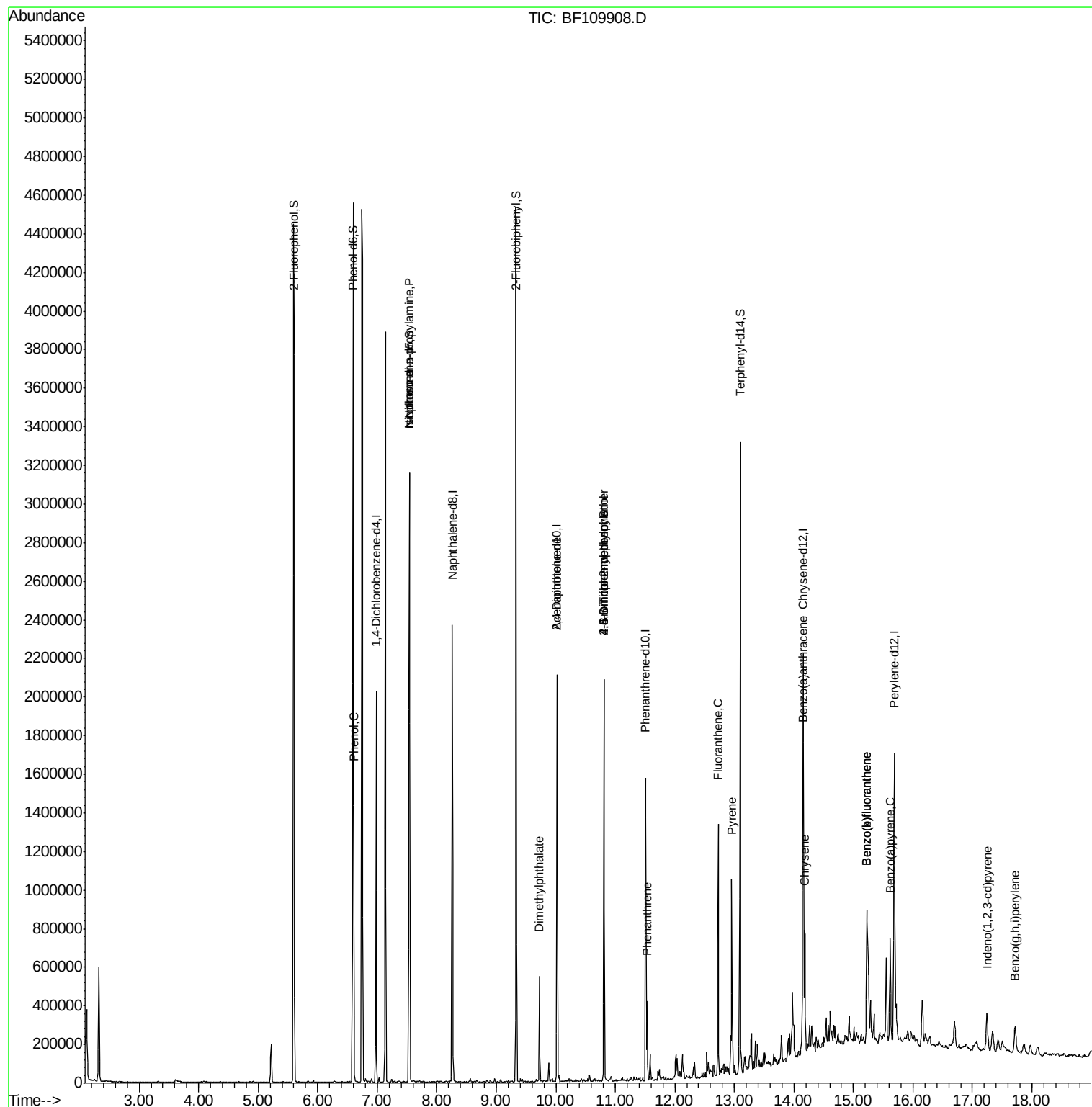
						Qvalue
10) Phenol	6.61	94	89491	4.064	ng	# 58
19) n-Nitroso-di-n-propylamine	7.54	70	123489	9.430	ng	# 82
25) Isophorone	7.54	82	936865	33.318	ng	# 67
50) Dimethylphthalate	9.73	163	195757	7.375	ng	99
57) 2,4-Dinitrotoluene	10.02	165	47524	11.333	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.81	198	526	8.125	ng	# 1
67) 4-Bromophenyl-phenylether	10.81	248	13937	2.341	ng	# 1
71) Phenanthrene	11.53	178	144399	5.077	ng	99
75) Fluoranthene	12.73	202	442906	15.587	ng	98
78) Pyrene	12.96	202	424060	9.738	ng	99
81) Benzo(a)anthracene	14.14	228	269022	7.703	ng	98
83) Chrysene	14.19	228	263512	7.927	ng	98
86) Indeno(1,2,3-cd)pyrene	17.24	276	129224	4.828	ng	96
88) Benzo(b)fluoranthene	15.23	252	535443	15.080	ng	# 98
89) Benzo(k)fluoranthene	15.23	252	535443	15.300	ng	# 97
90) Benzo(a)pyrene	15.62	252	260685	7.983	ng	# 96
92) Benzo(a,h,i)perylene	17.72	276	111995	3.830	ng	# 87

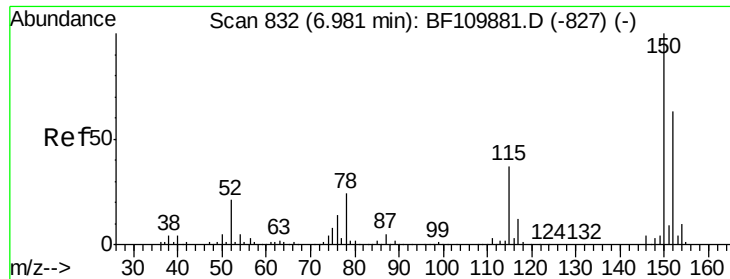
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 16 14:58:24 2018
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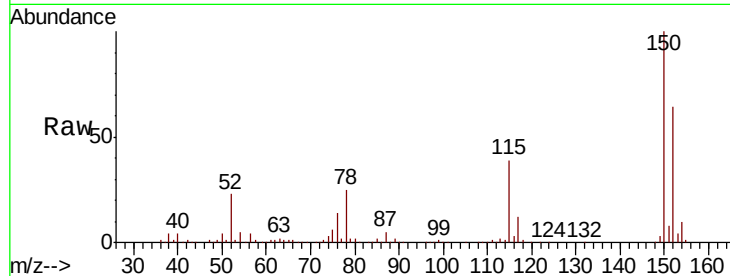


#1

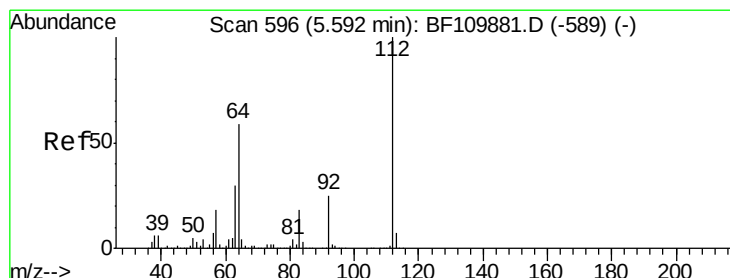
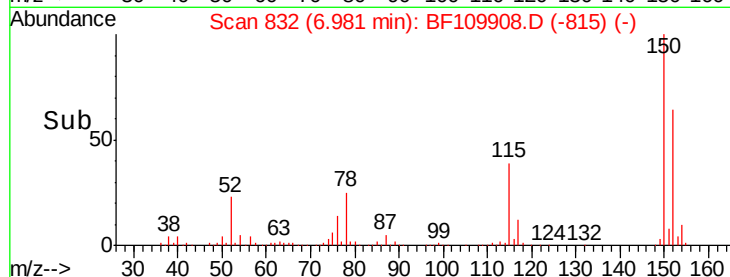
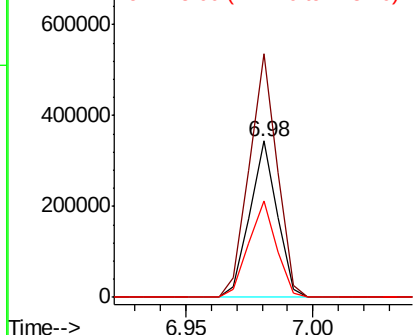
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 260360
Ion Ratio Lower Upper
152 100
150 155.9 122.7 184.1
115 61.5 49.1 73.7



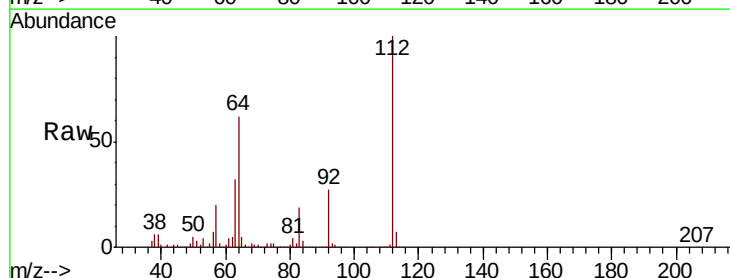
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



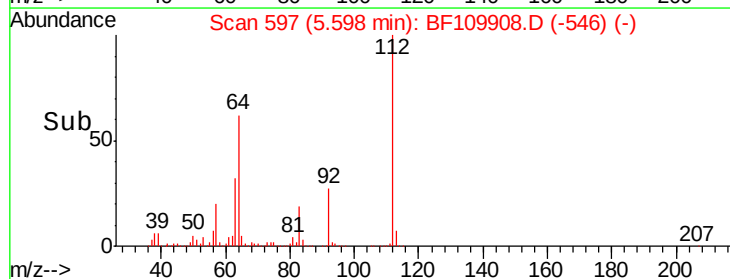
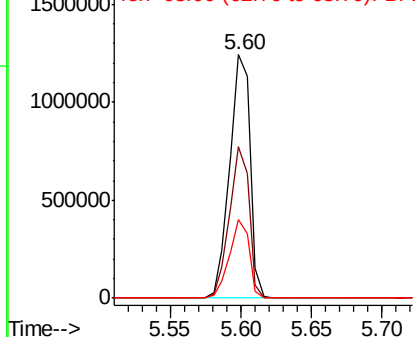
#5

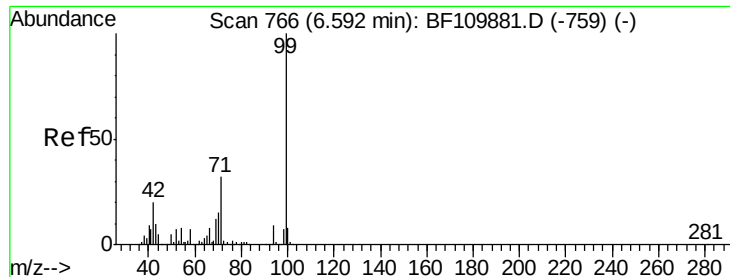
2-Fluorophenol
Concen: 76.283 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion:112 Resp: 1252950
Ion Ratio Lower Upper
112 100
64 62.5 44.1 66.1
63 32.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 75.826 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

Instrument :

BNA_F

ClientSampleId :

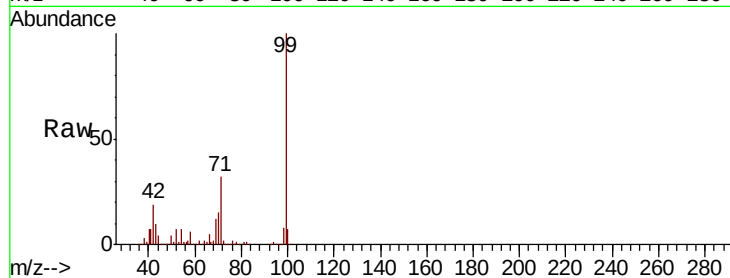
Tot Ion: 99 Resp: 1546514

Ion Ratio Lower Upper

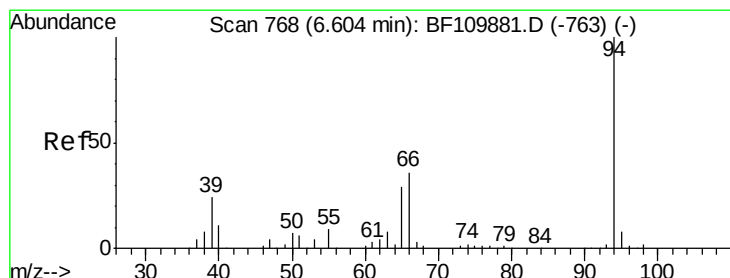
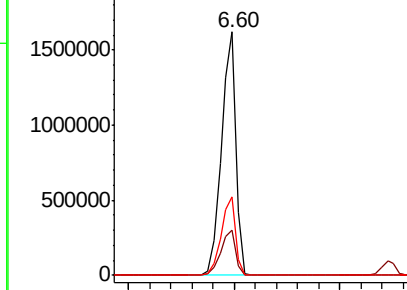
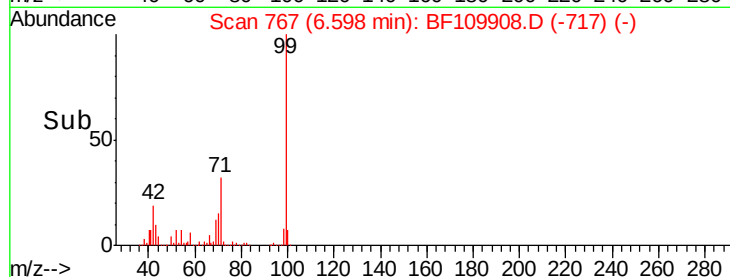
99 100

42 18.8 15.8 23.6

71 32.3 28.0 42.0



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



#10

Phenol

Concen: 4.064 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

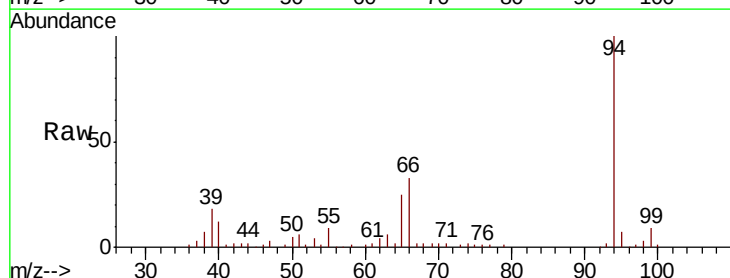
Tgt Ion: 94 Resp: 89491

Ion Ratio Lower Upper

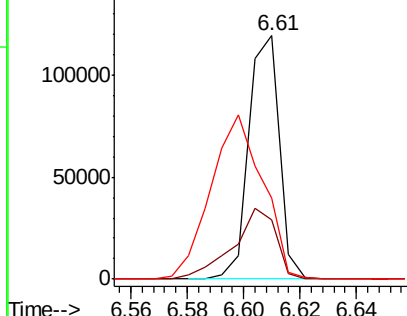
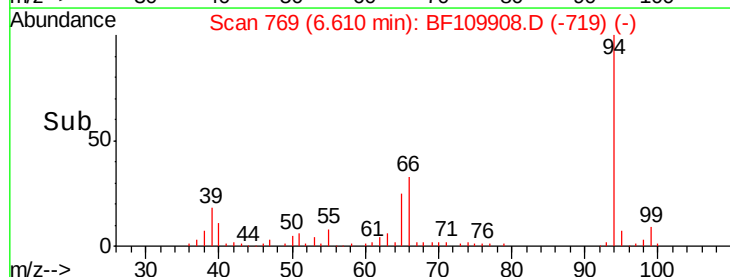
94 100

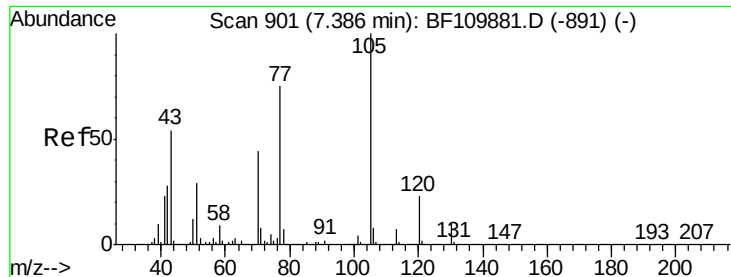
65 24.6 25.3 65.3#

66 33.5 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

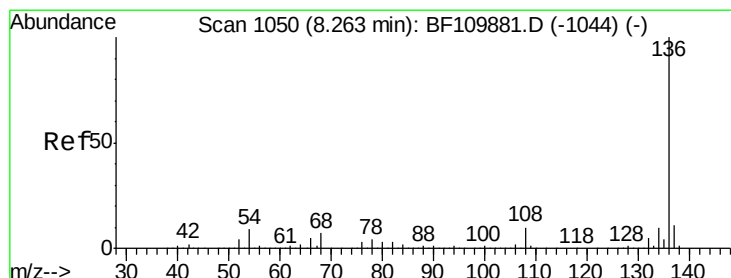
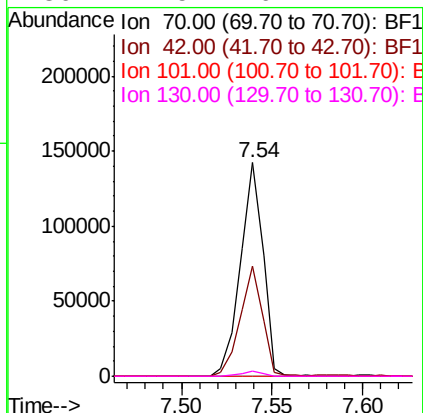
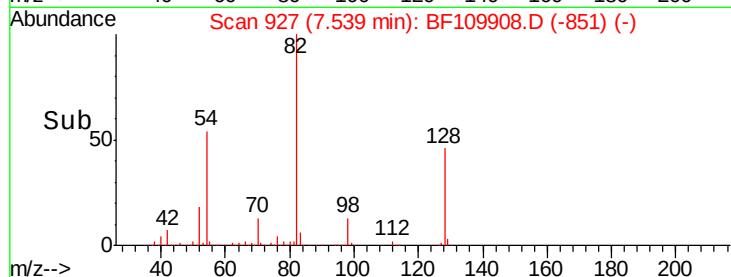
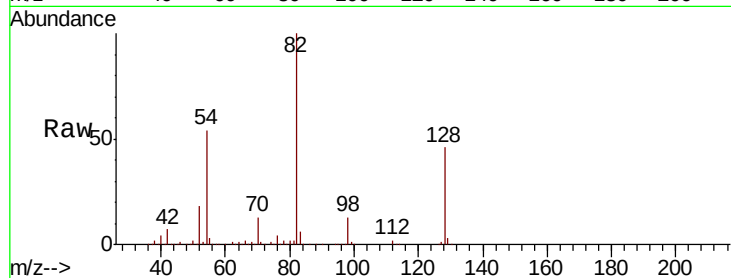




#19
n-Nitroso-di-n-propylamine
Concen: 9.430 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.15 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

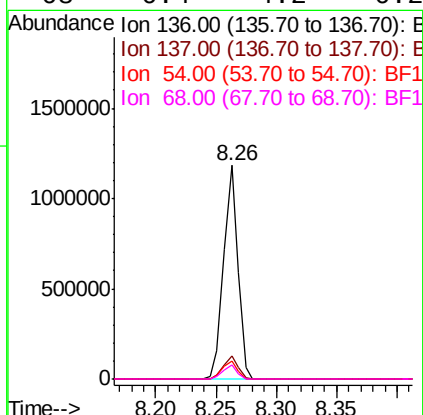
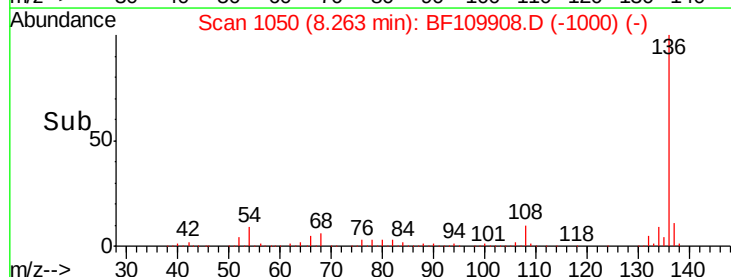
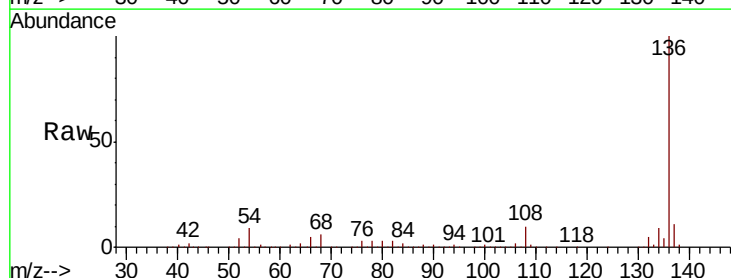
Instrument :
BNA_F
ClientSampleId :

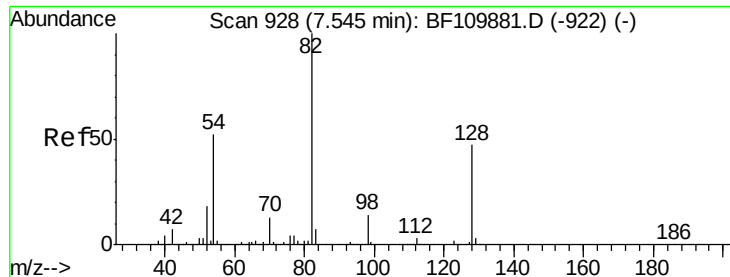
Tot Ion	Ratio	Lower	Upper
70	100		
42	51.4	47.4	71.2
101	0.0	7.3	10.9#
130	2.5	16.2	24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.6	5.4	8.2#
68	6.4	4.2	6.2#

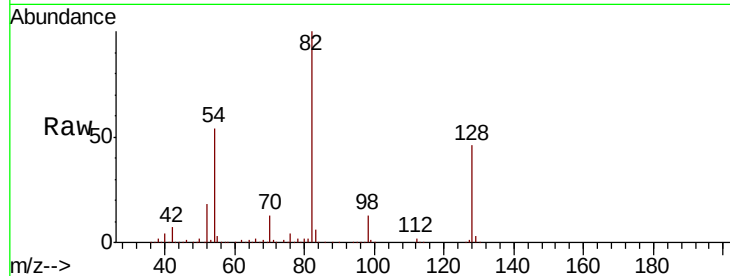




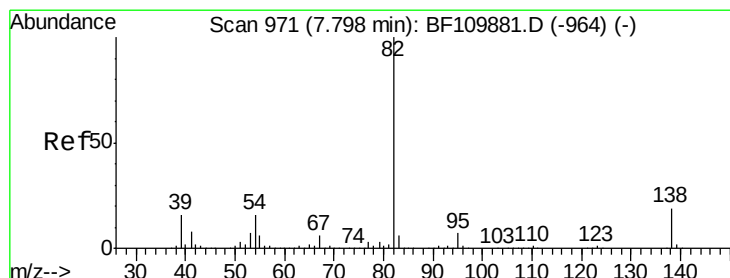
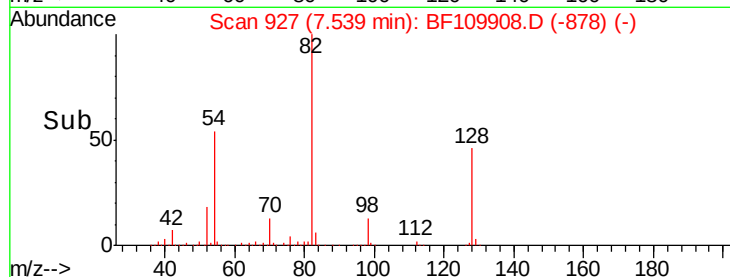
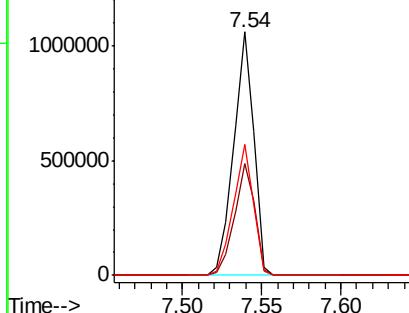
#23
Nitrobenzene-d5
Concen: 65.467 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	936876
Ion Ratio	Lower	Upper	
82	100		
128	45.9	34.2	51.2
54	53.6	38.6	58.0

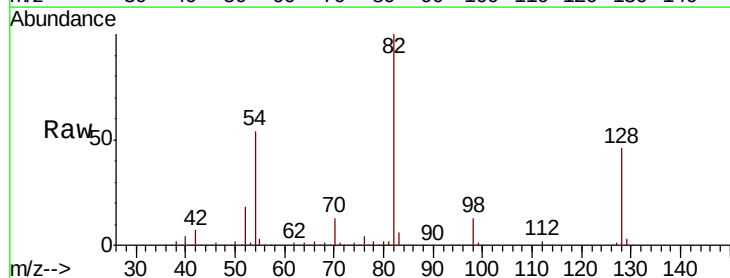


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

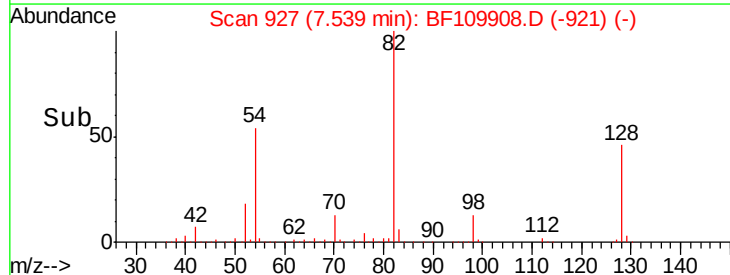
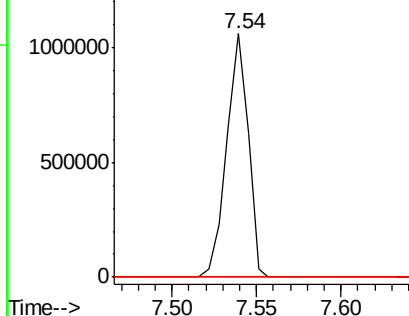


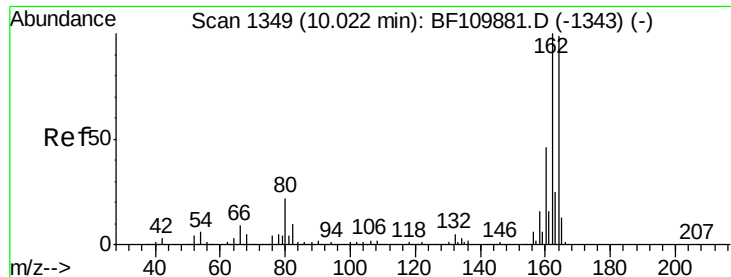
#25
Isophorone
Concen: 33.318 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.26 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion	82	Resp	936865
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

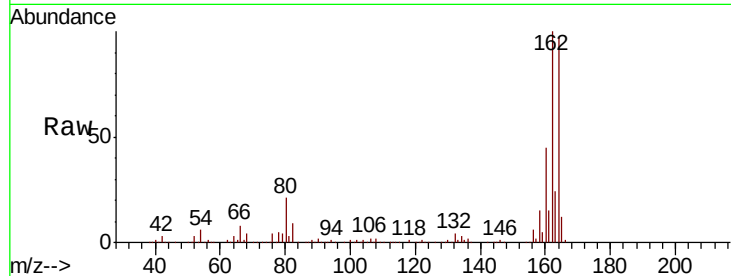




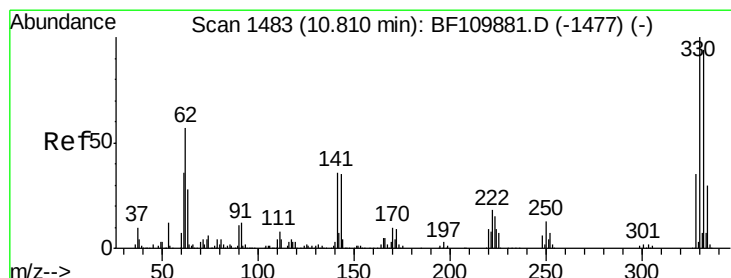
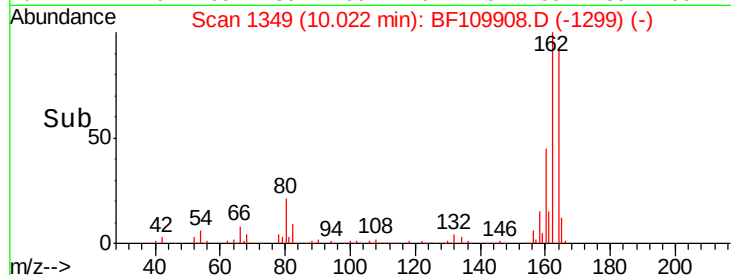
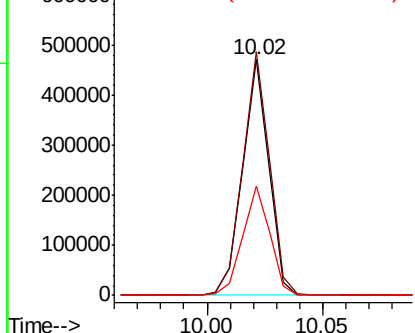
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 374836
Ion Ratio Lower Upper
164 100
162 103.2 83.0 124.6
160 46.0 37.0 55.6

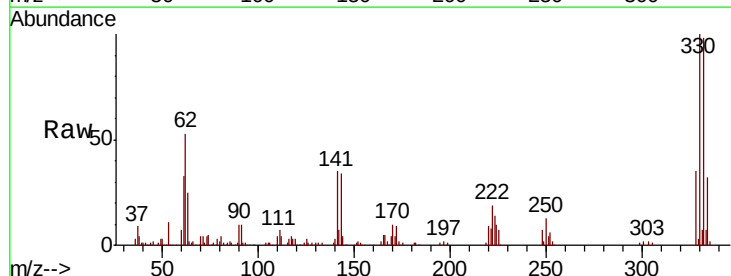


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

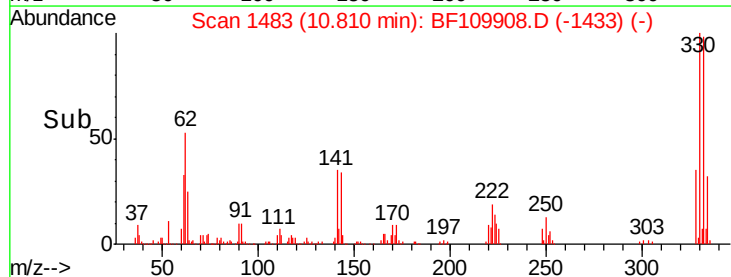
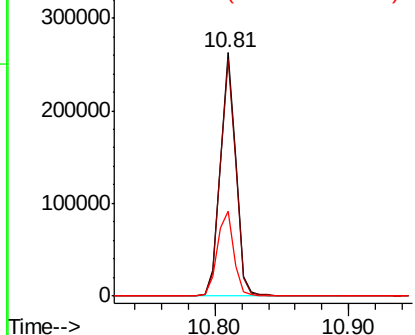


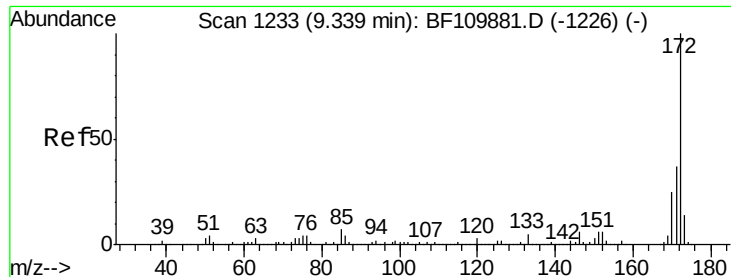
#42
2,4,6-Tribromophenol
Concen: 67.329 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion:330 Resp: 218498
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 37.1 27.0 40.4



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

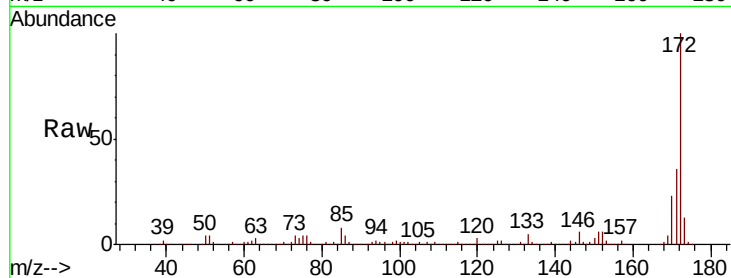




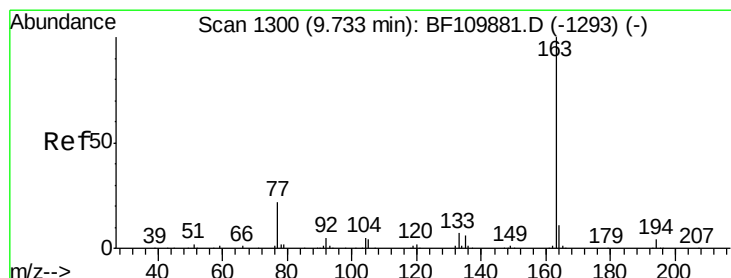
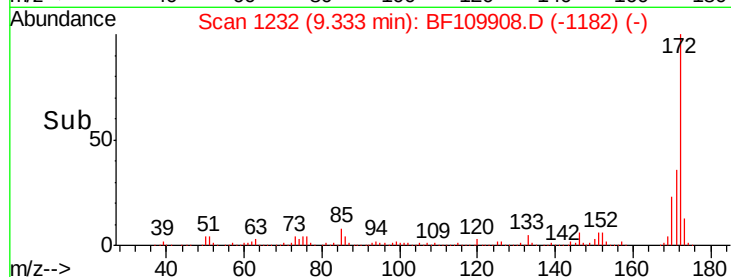
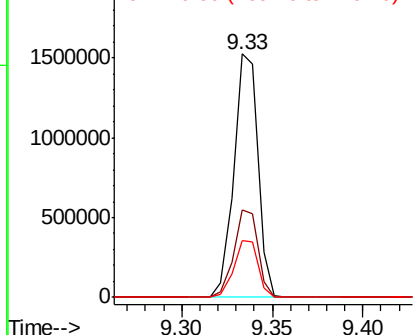
#45
2-Fluorobiphenyl
Concen: 60.204 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1414258
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.3 19.7 29.5

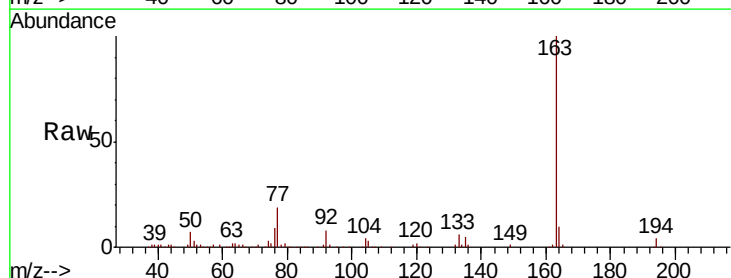


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

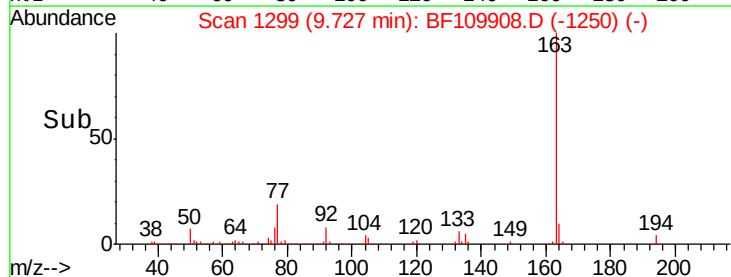
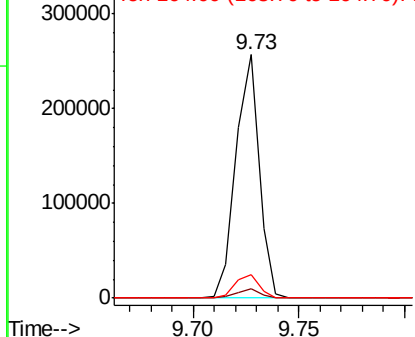


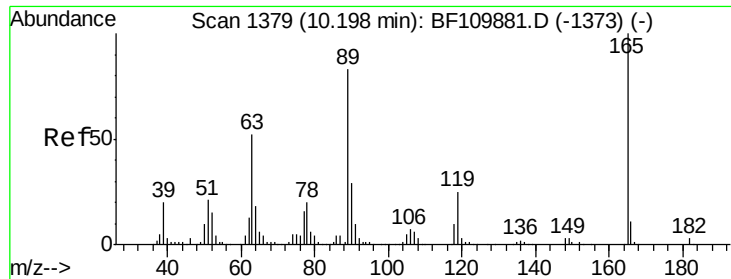
#50
Dimethylphthalate
Concen: 7.375 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion:163 Resp: 195757
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.6 8.1 12.1



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

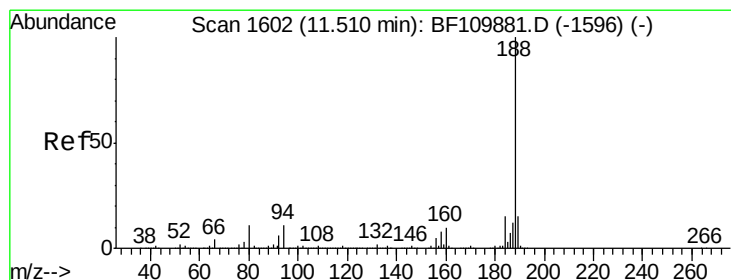
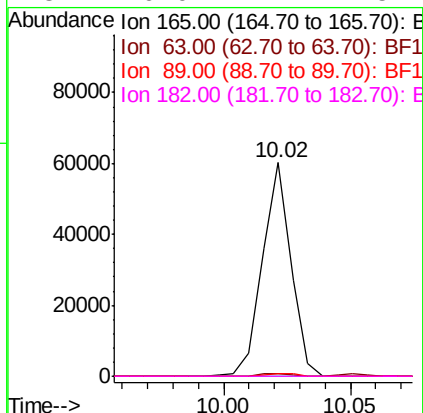
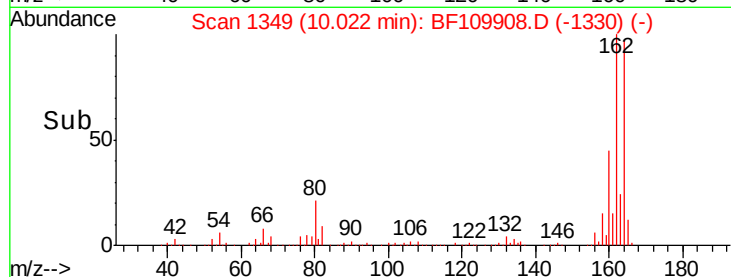
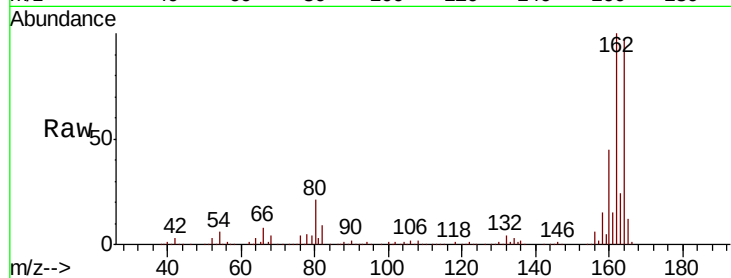




#57
 2,4-Dinitrotoluene
 Concen: 11.333 ng
 RT: 10.02 min Scan# 1349
 Delta R.T. -0.19 min
 Lab File: BF109908.D
 Acq: 16 Oct 2018 16:33

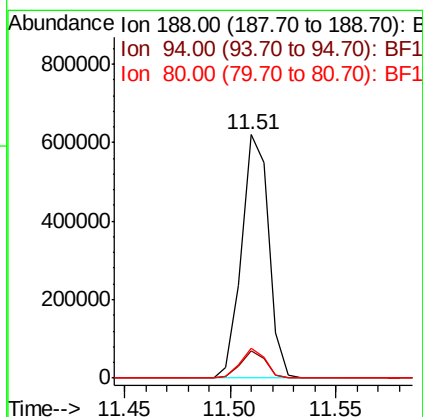
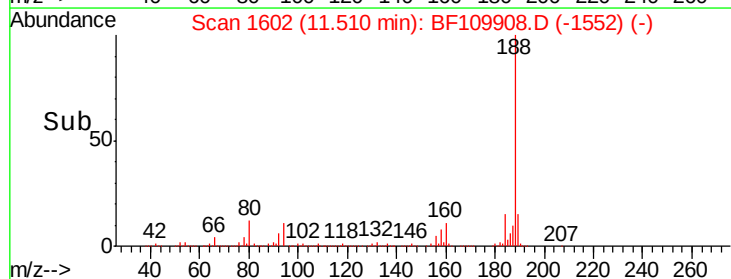
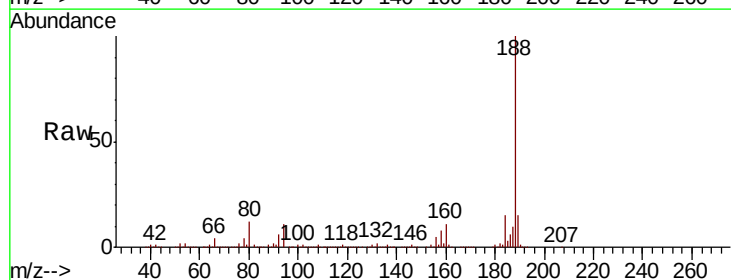
Instrument :
 BNA_F
 ClientSampleId :

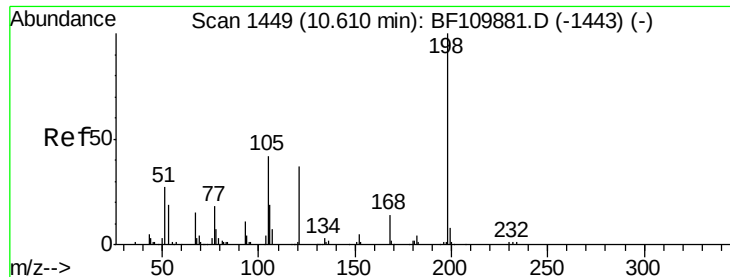
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.8	67.2#
89	1.1	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF109908.D
 Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	7.2	10.8#
80	12.2	7.9	11.9#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.125 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.19 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

Instrument :

BNA_F

ClientSampleId :

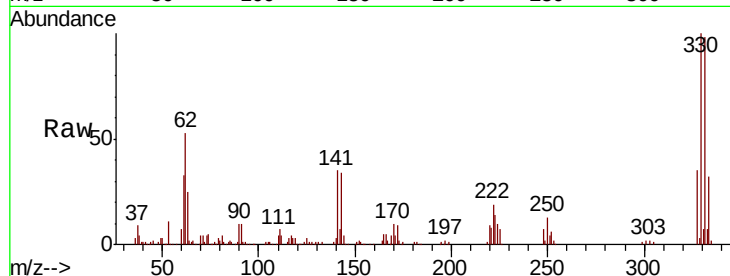
Tot Ion:198 Resp: 526

Ion Ratio Lower Upper

198 100

51 144.1 22.8 62.8#

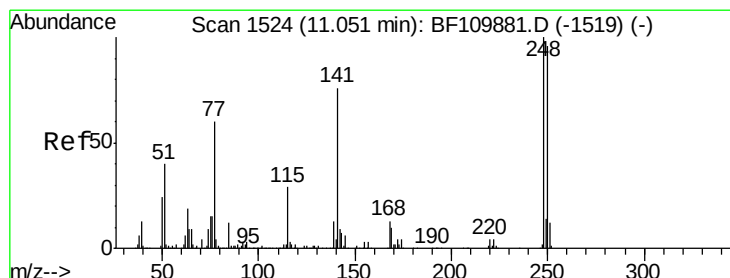
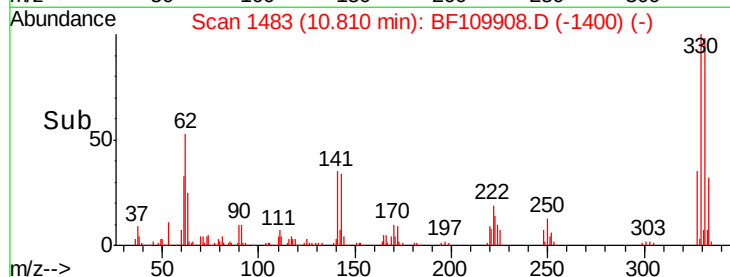
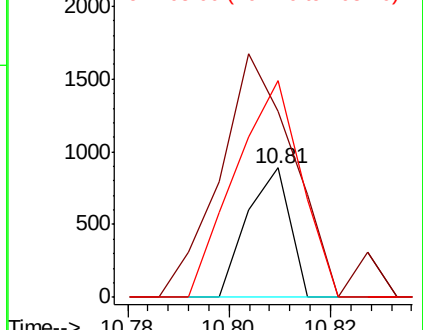
105 167.7 23.6 63.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.341 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.25 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

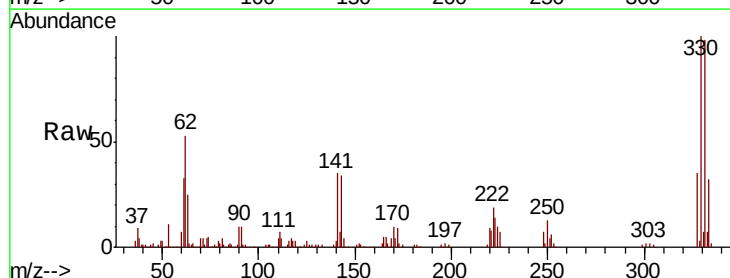
Tgt Ion:248 Resp: 13937

Ion Ratio Lower Upper

248 100

250 189.4 79.4 119.2#

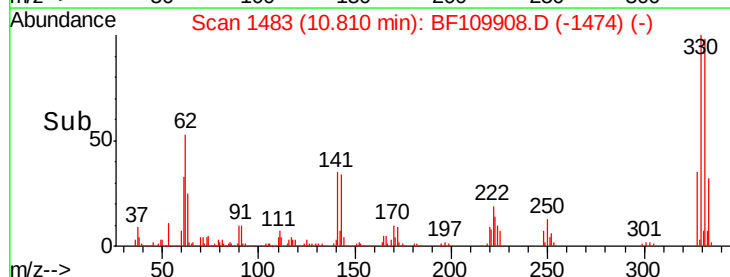
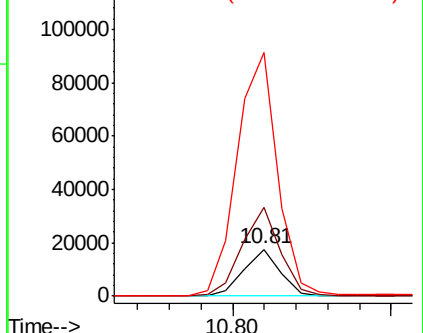
141 517.3 55.9 83.9#

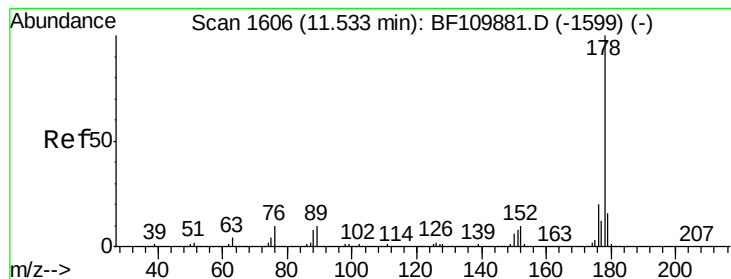


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.077 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

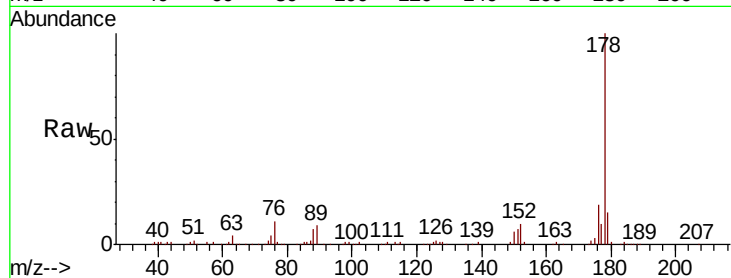
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 144399

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.5	12.5	18.7

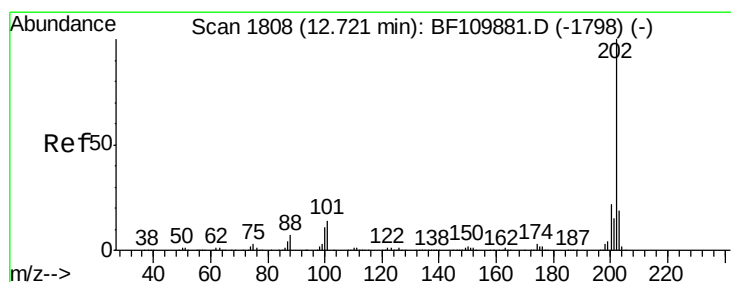
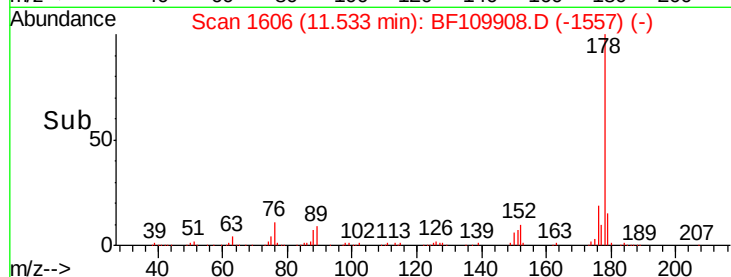
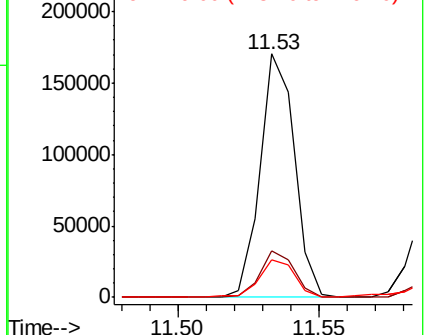


Abundance

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: 15.587 ng

RT: 12.73 min Scan# 1809

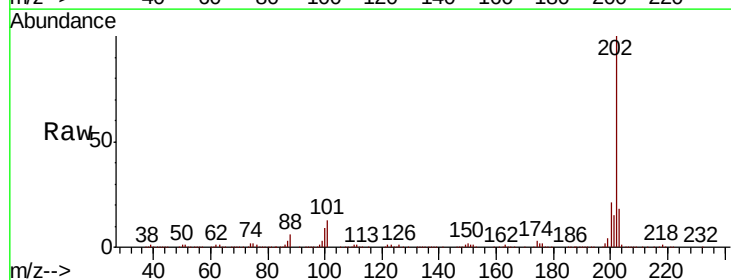
Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

Tgt Ion:202 Resp: 442906

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.4
203	17.8	0.0	37.7

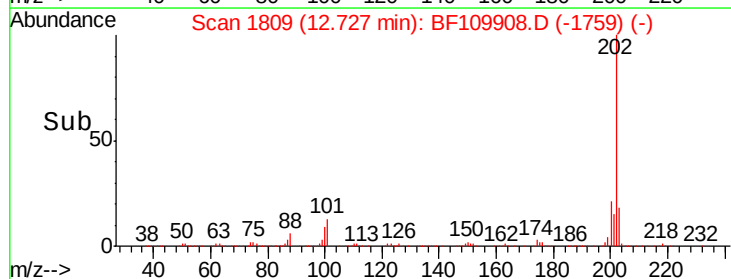
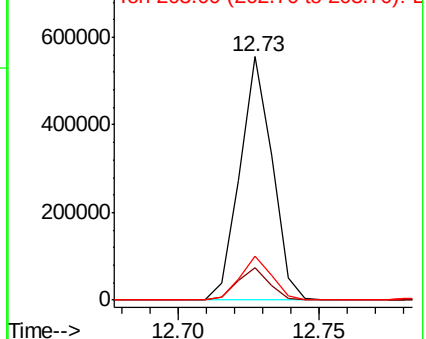


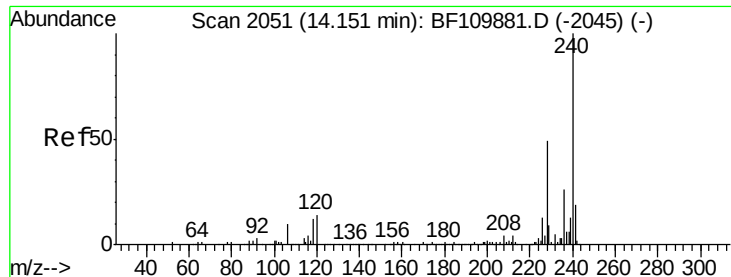
Abundance

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: BF109908.D

Acq: 16 Oct 2018 16:33

Instrument :

BNA_F

ClientSampleId :

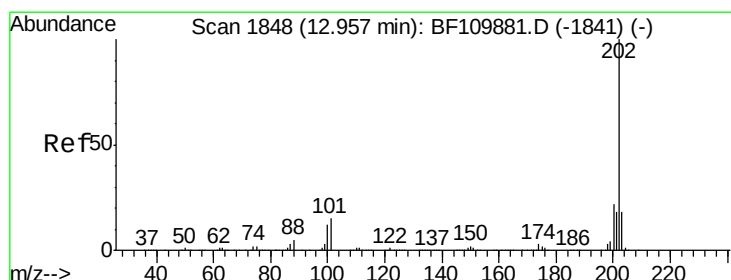
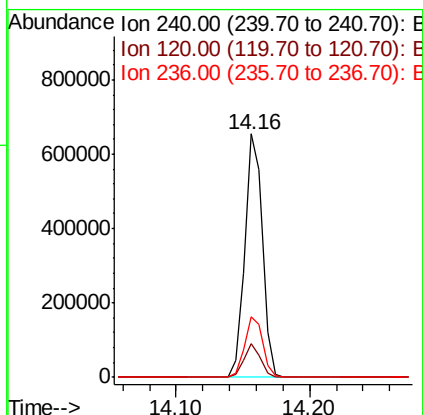
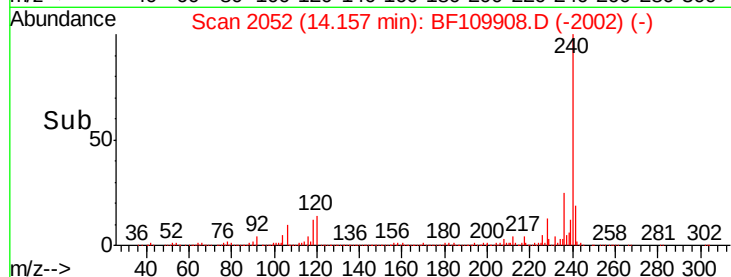
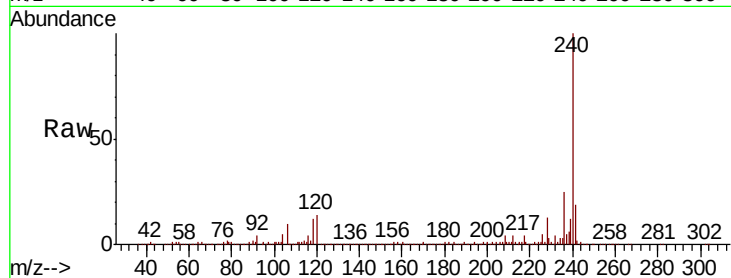
Tot Ion:240 Resp: 592883

Ion Ratio Lower Upper

240 100

120 13.8 8.3 12.5#

236 24.8 21.2 31.8



#78

Pyrene

Concen: 9.738 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

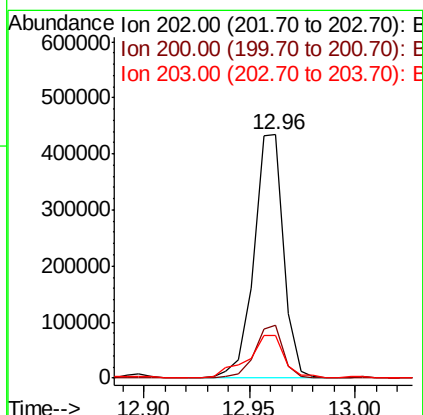
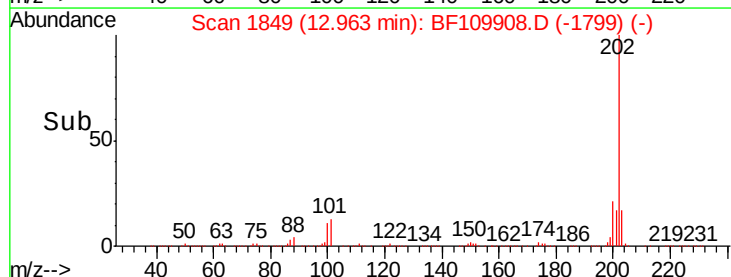
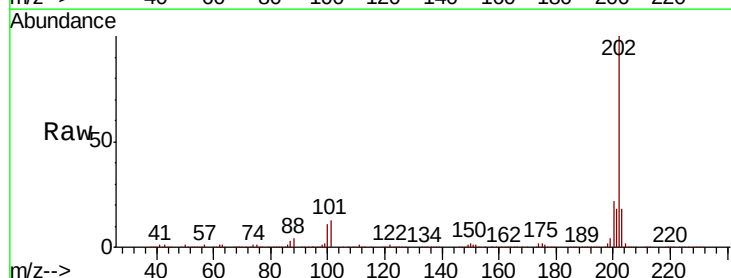
Tgt Ion:202 Resp: 424060

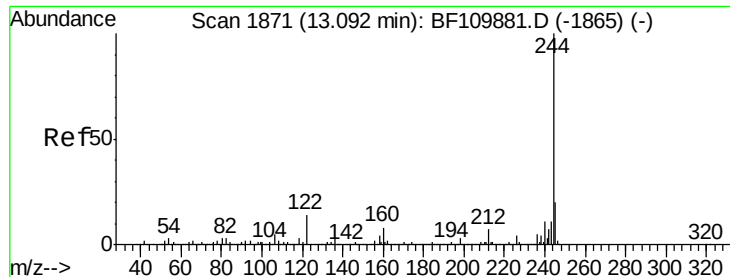
Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 36.677 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

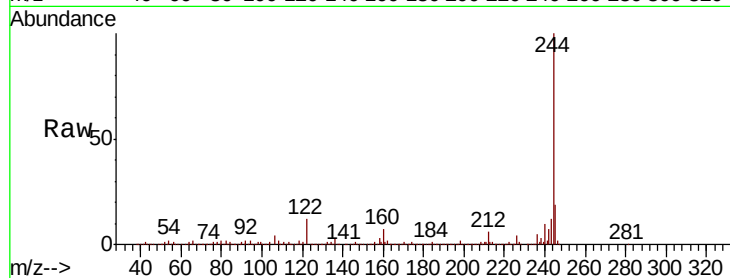
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1035526

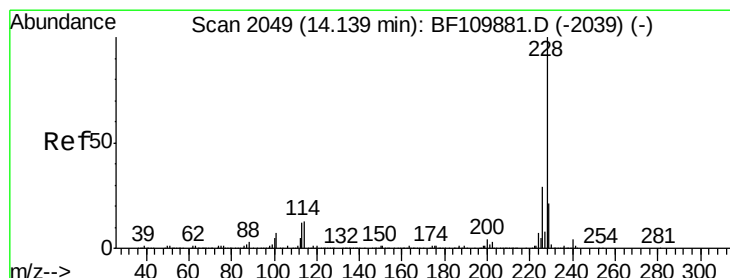
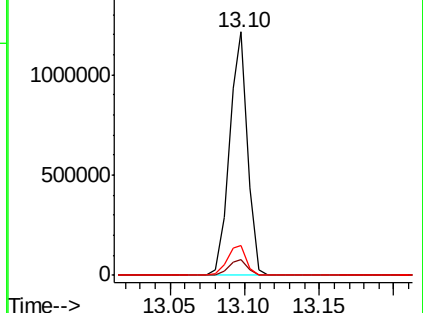
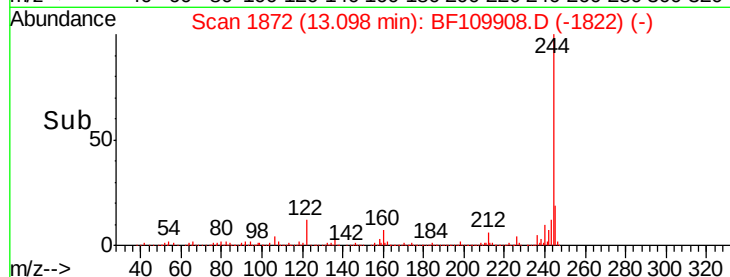
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	12.2	8.7	13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.703 ng

RT: 14.14 min Scan# 2050

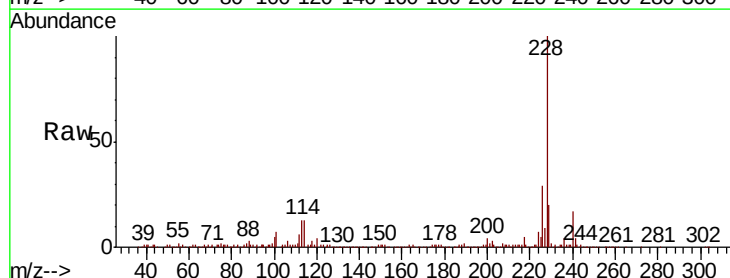
Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

Tgt Ion:228 Resp: 269022

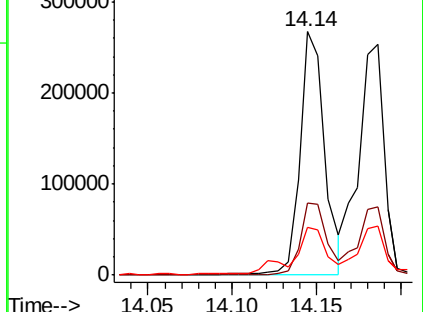
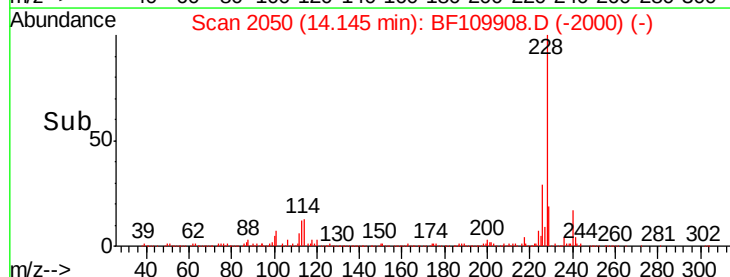
Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.1	33.1
229	19.8	15.6	23.4

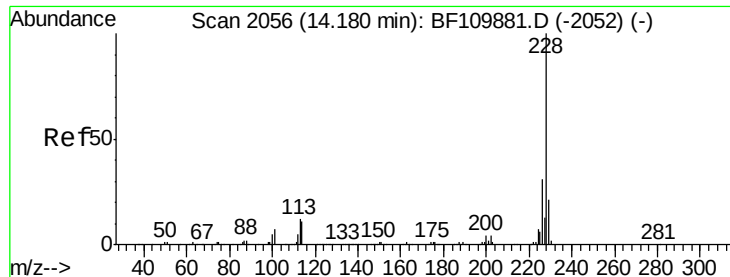


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.927 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

Instrument :

BNA_F

ClientSampleId :

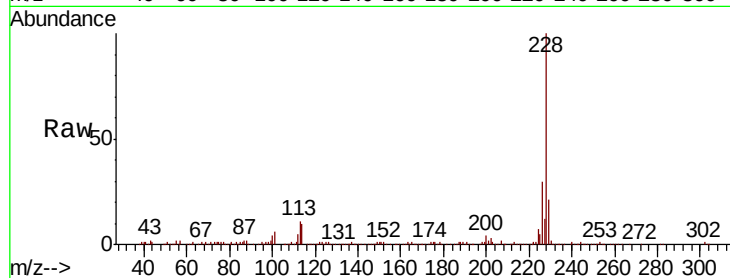
Tot Ion:228 Resp: 263512

Ion Ratio Lower Upper

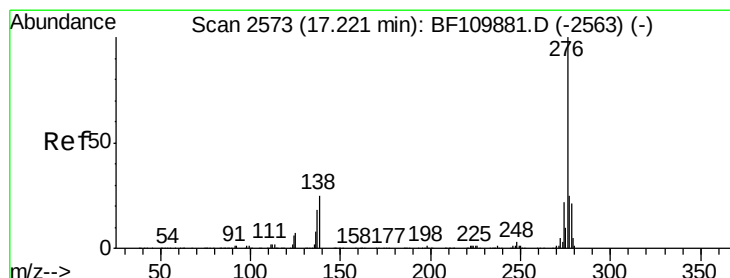
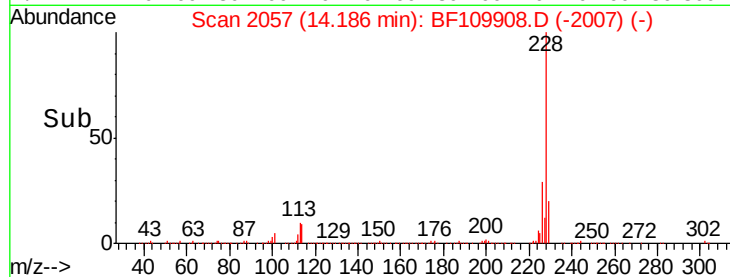
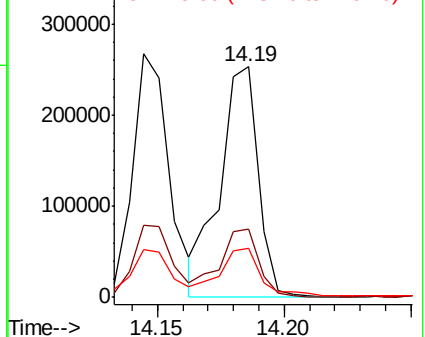
228 100

226 29.8 24.7 37.1

229 21.2 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: 4.828 ng

RT: 17.24 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF109908.D

Acq: 16 Oct 2018 16:33

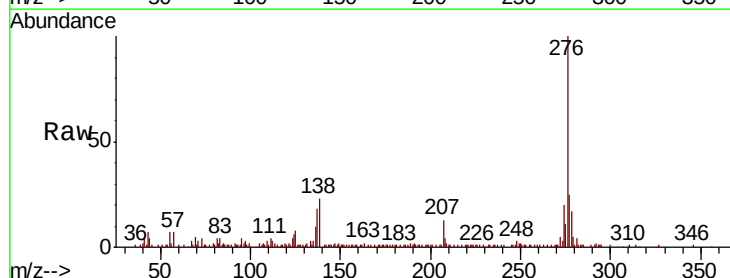
Tgt Ion:276 Resp: 129224

Ion Ratio Lower Upper

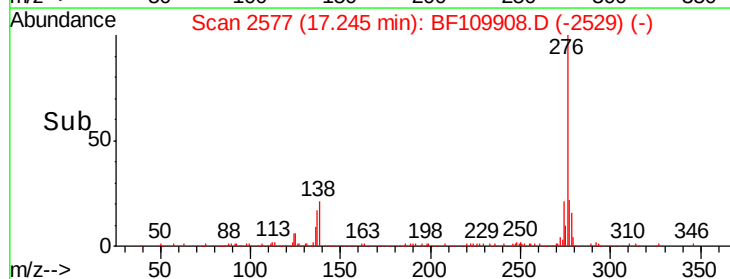
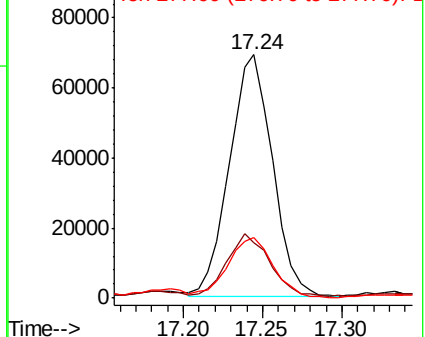
276 100

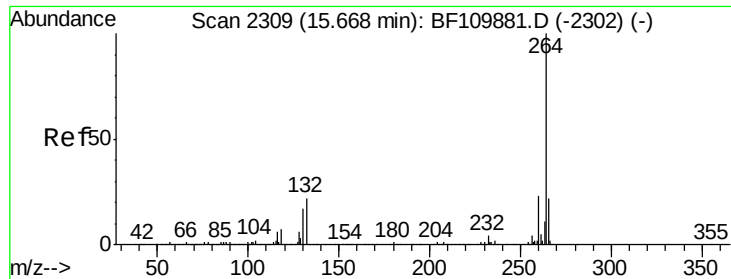
138 25.5 18.5 27.7

277 26.9 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



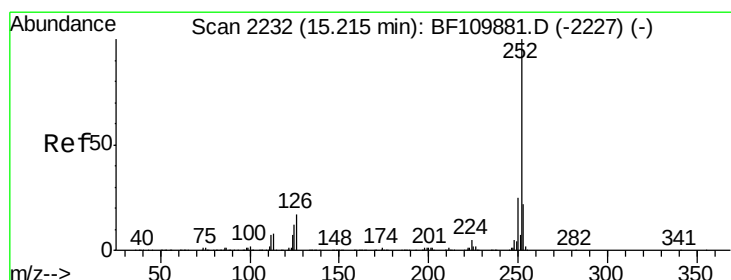
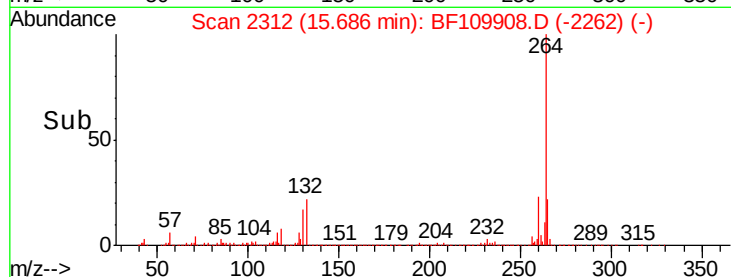
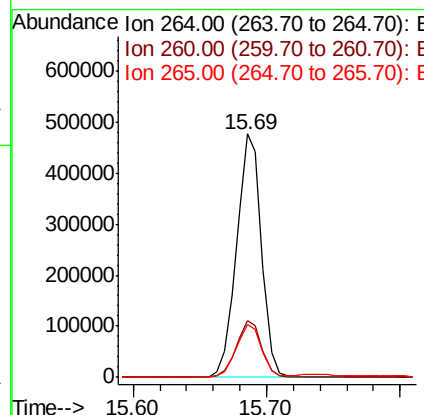
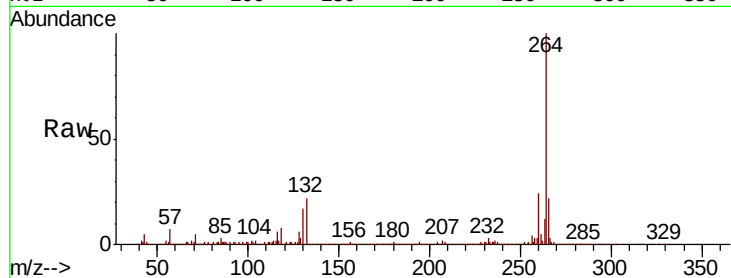


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 615873

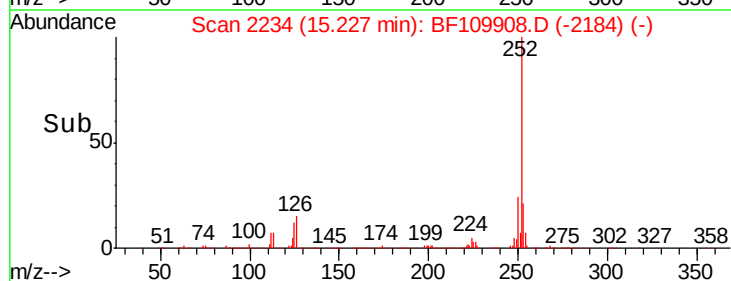
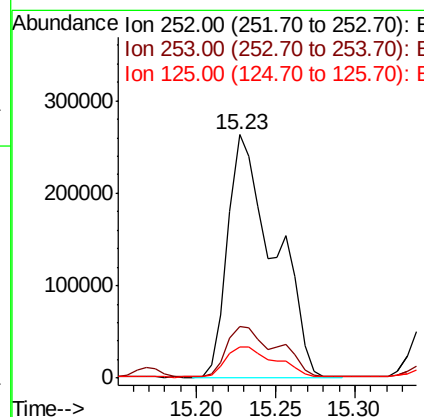
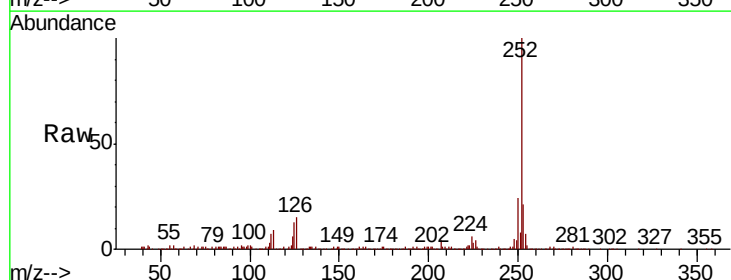
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.8	16.7	25.1

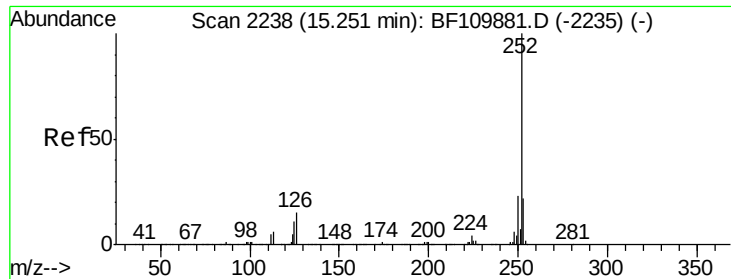


#88
Benzo(b)fluoranthene
Concen: 15.080 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion:252 Resp: 535443

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	12.7	8.2	12.4#

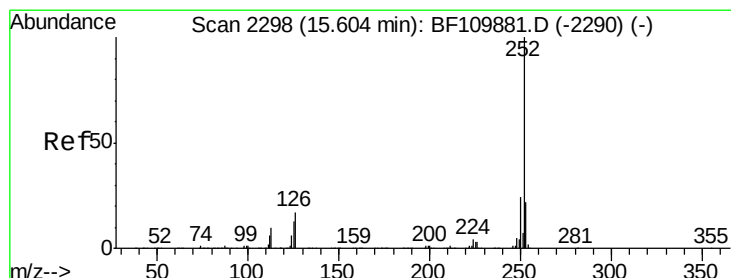
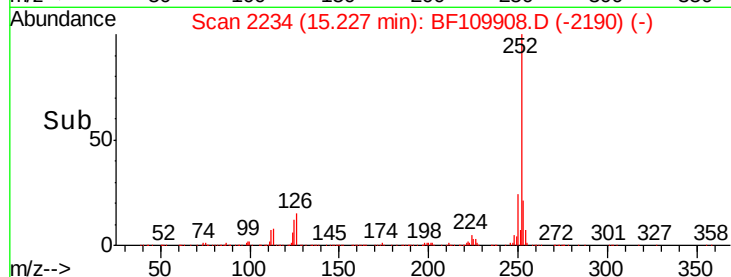
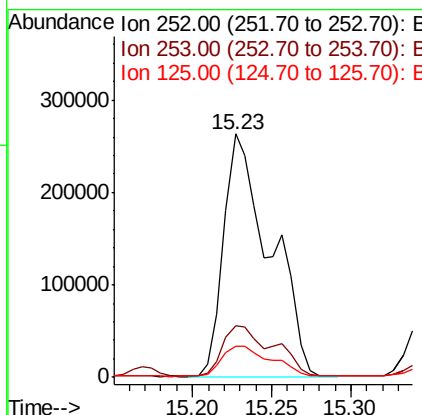
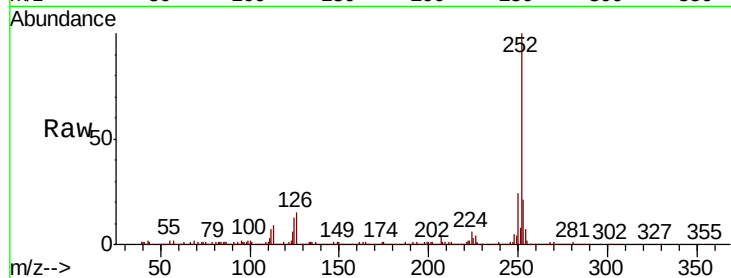




#89
Benzo(k)fluoranthene
Concen: 15.300 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

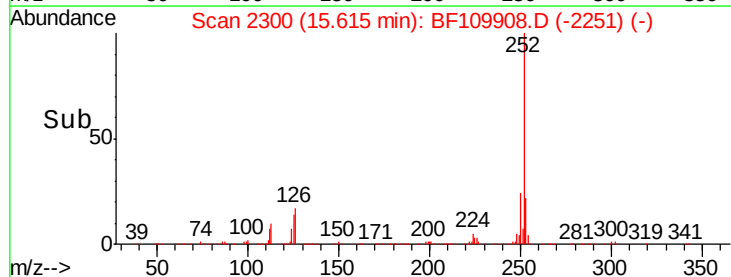
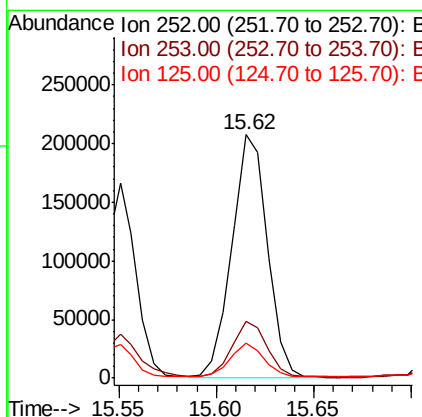
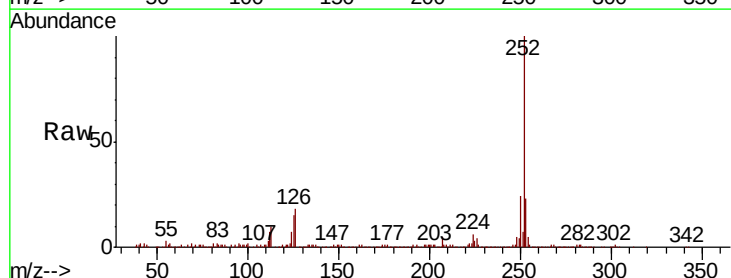
Instrument :
BNA_F
ClientSampleId :

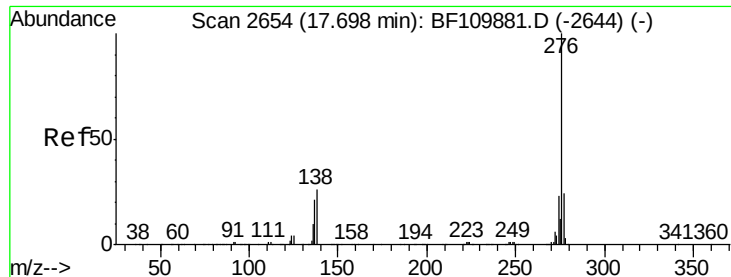
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	12.7	7.4	11.0



#90
Benzo(a)pyrene
Concen: 7.983 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF109908.D
Acq: 16 Oct 2018 16:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	14.5	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 3.830 ng
 RT: 17.72 min Scan# 2657
 Delta R.T. -0.02 min
 Lab File: BF109908.D
 Acq: 16 Oct 2018 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.8	28.2
138	28.6	16.0	24.0

