

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098804.D
 Acq On : 26 Sep 2017 1:21
 Operator : SJ/JU
 Sample : I5394-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 05:23:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	159685	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	687471	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	324110	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	564490	20.00	ng	0.00
75) Chrysene-d12	14.08	240	311407	20.00	ng	0.00
86) Perylene-d12	15.57	264	302242	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	1527253	152.25	ng	0.00
7) Phenol-d6	6.55	99	1952168	157.76	ng	0.00
23) Nitrobenzene-d5	7.48	82	1212481	113.11	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	314976	118.76	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	2082495	107.26	ng	0.00
78) Terphenyl-d14	13.03	244	1680836	122.75	ng	0.00

Target Compounds

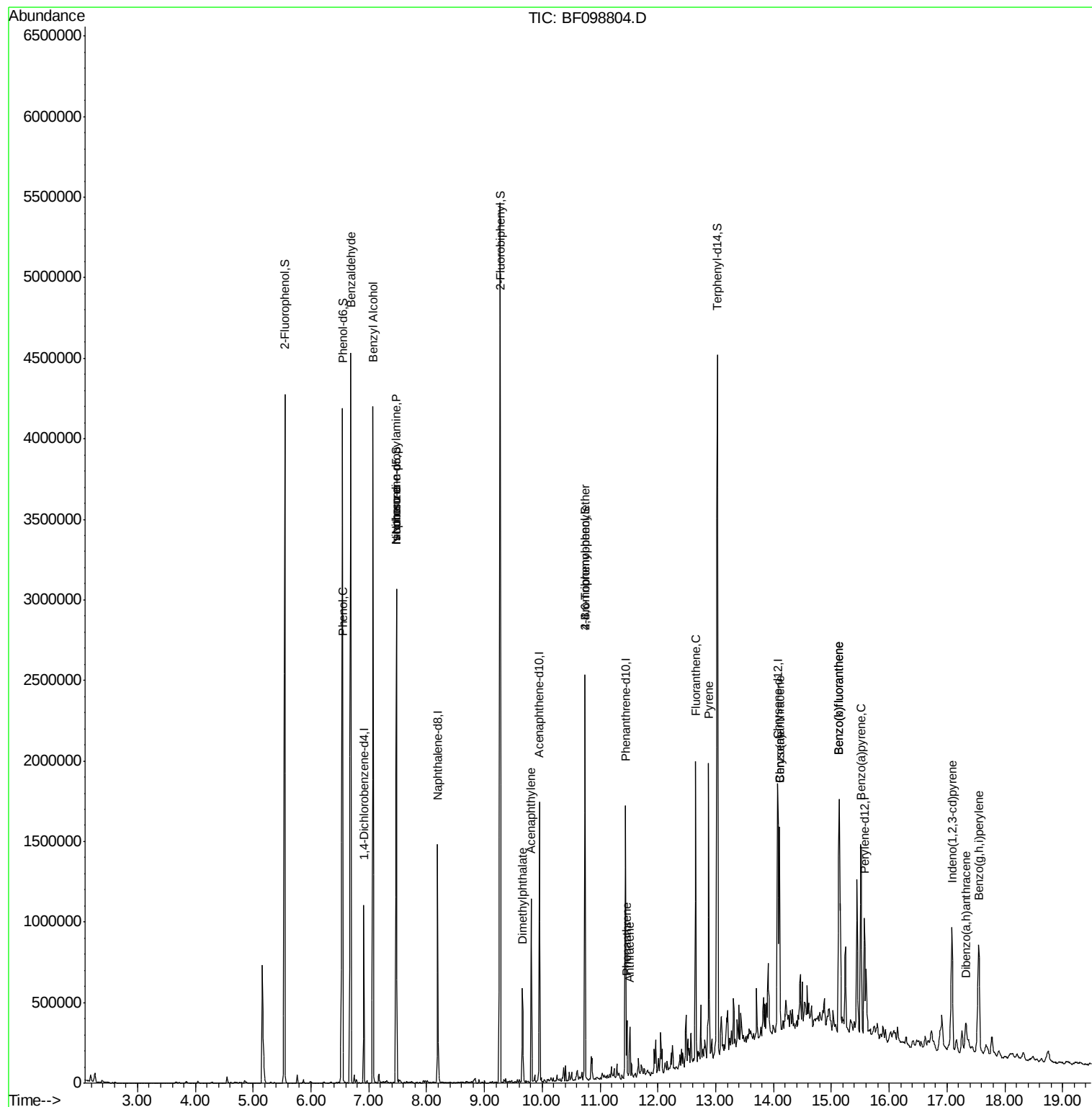
						Qvalue
9) Benzaldehyde	6.69	77	33186	4.623	ng	81
10) Phenol	6.56	94	42137	3.045	ng	93
15) Benzyl Alcohol	7.07	79	18579	2.047	ng	# 27
19) n-Nitroso-di-n-propylamine	7.48	70	159309	20.164	ng	# 74
25) Isophorone	7.48	82	1212129	54.690	ng	# 64
48) Acenaphthylene	9.81	152	446232	13.938	ng	100
49) Dimethylphthalate	9.66	163	214821	8.782	ng	99
66) 4-Bromophenyl-phenylether	10.74	248	20967	3.795	ng	# 1
70) Phenanthrene	11.46	178	130761	4.328	ng	99
71) Anthracene	11.51	178	106385	3.441	ng	97
74) Fluoranthene	12.65	202	656054	21.442	ng	99
77) Pylene	12.88	202	714490	30.089	ng	99
80) Benzo(a)anthracene	14.10	228	499728	26.502	ng	96
82) Chrysene	14.10	228	499728	27.837	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	525097	36.565	ng	97
87) Benzo(b)fluoranthene	15.14	252	1137897	61.233	ng	# 95
88) Benzo(k)fluoranthene	15.14	252	1137897	61.995	ng	97
89) Benzo(a)pyrene	15.52	252	535311	31.382	ng	96
90) Dibenzo(a,h)anthracene	17.32	278	79669	5.836	ng	95
91) Benzo(a,h,i)perylene	17.55	276	558733	41.406	ng	94

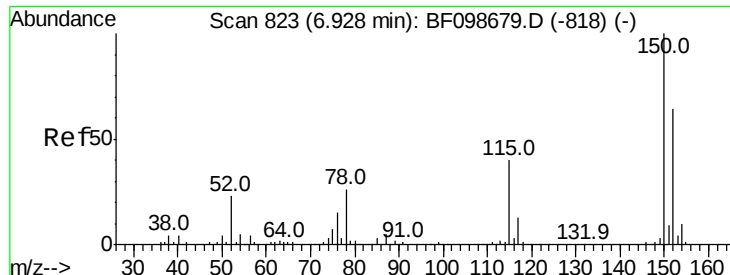
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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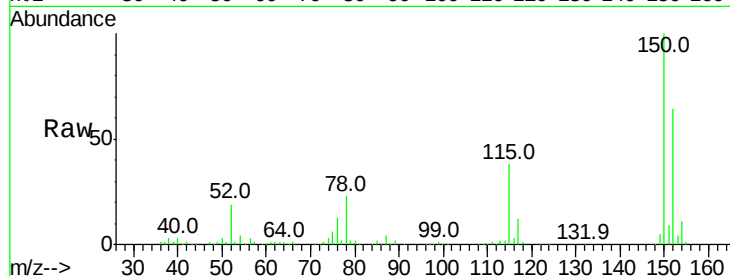


#1

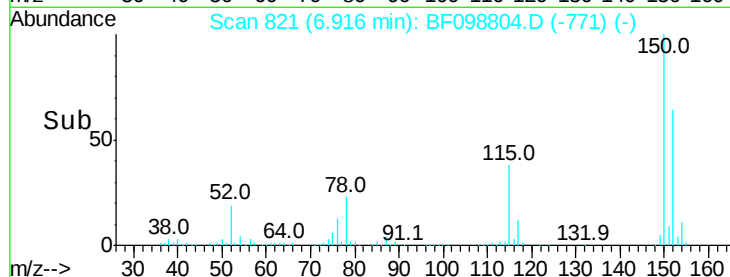
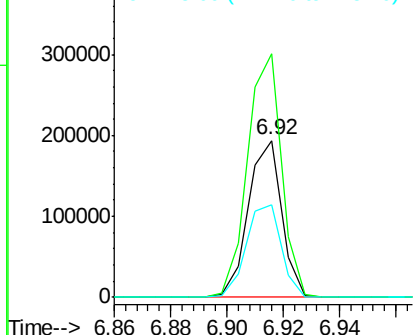
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 159685
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 58.7 50.1 75.1



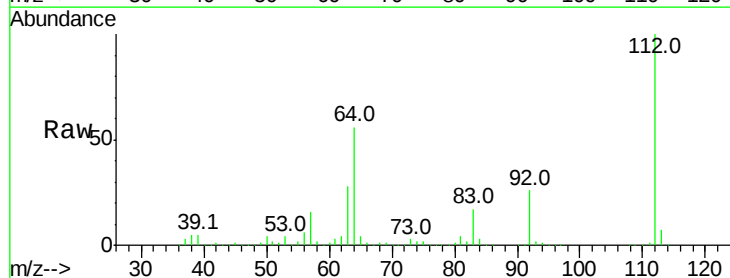
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



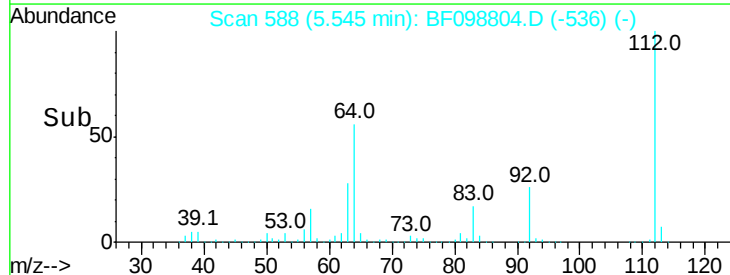
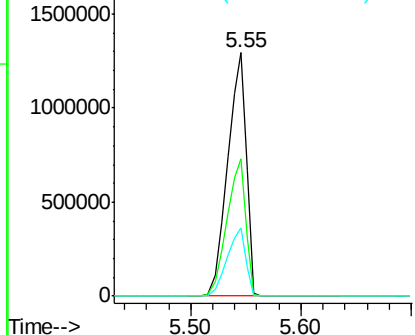
#5

2-Fluorophenol
Concen: 152.252 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion:112 Resp: 1527253
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 28.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 157.758 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Instrument :

BNA_F

ClientSampleId :

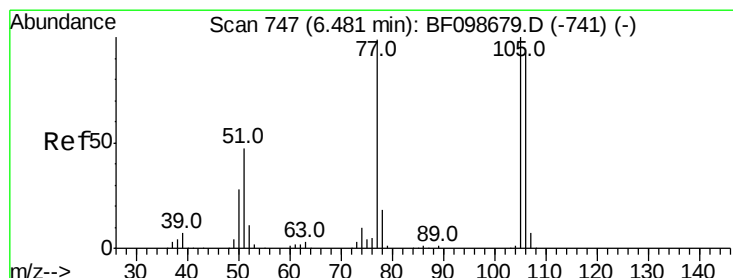
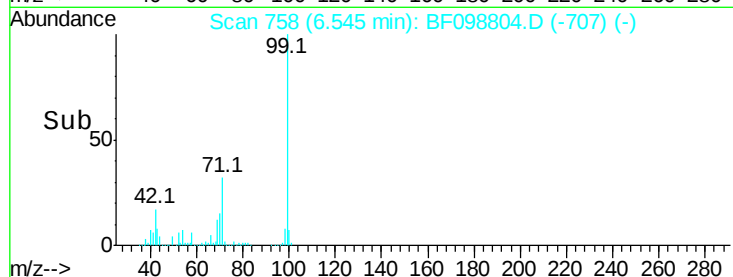
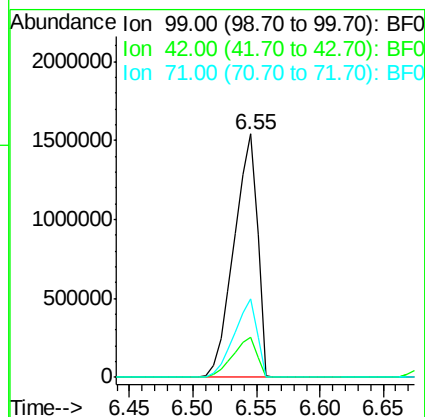
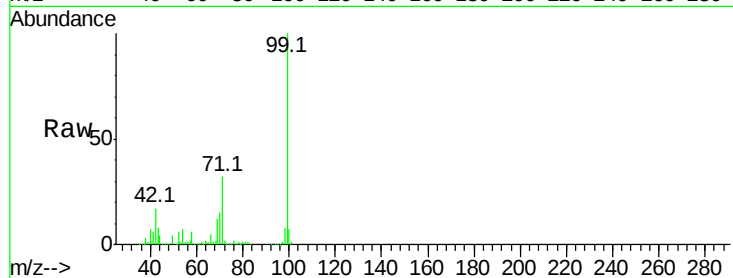
Tot Ion: 99 Resp: 1952168

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

71 32.2 25.4 38.0



#9

Benzaldehyde

Concen: 4.623 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

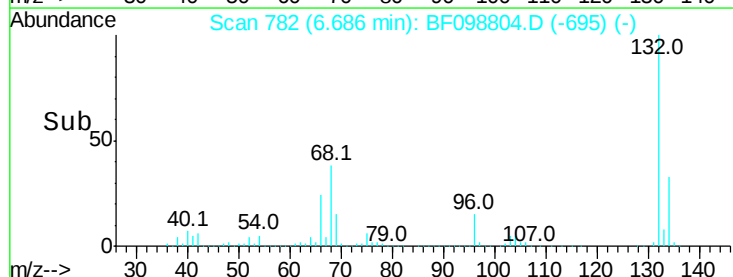
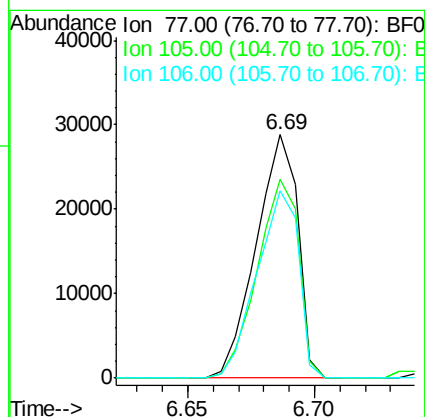
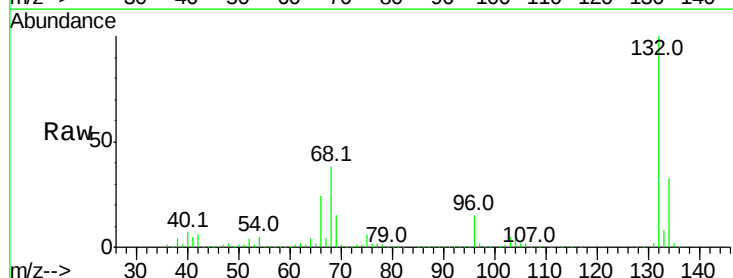
Tgt Ion: 77 Resp: 33186

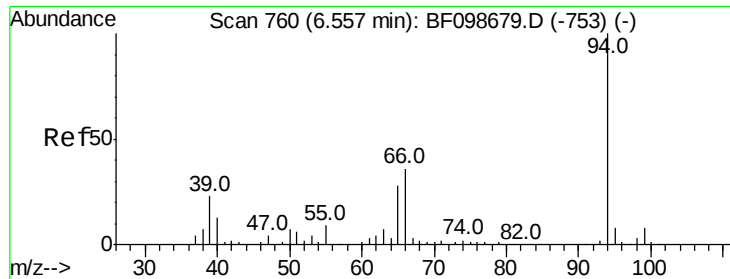
Ion Ratio Lower Upper

77 100

105 81.7 81.1 121.1

106 76.8 74.5 114.5

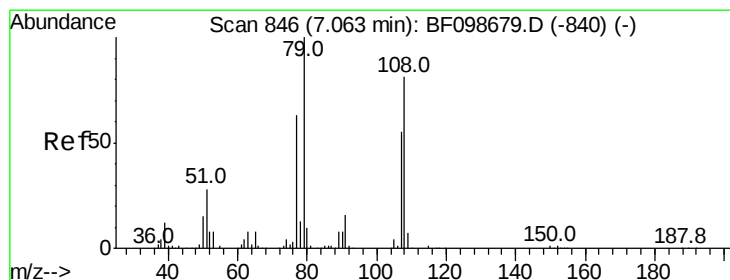
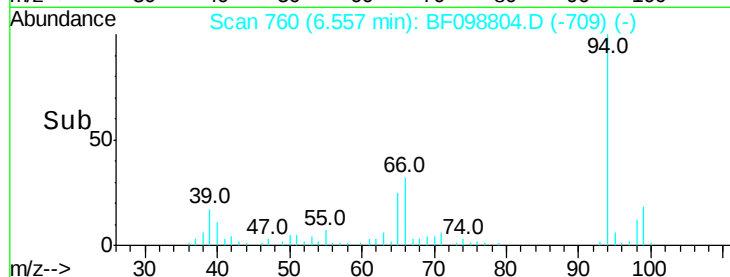
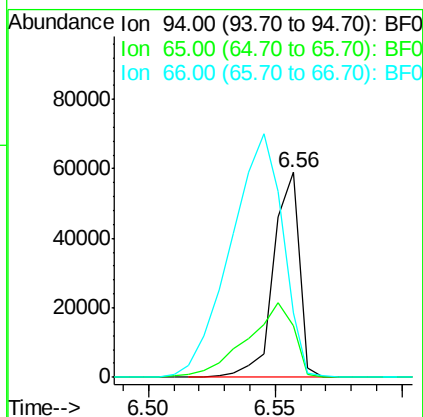
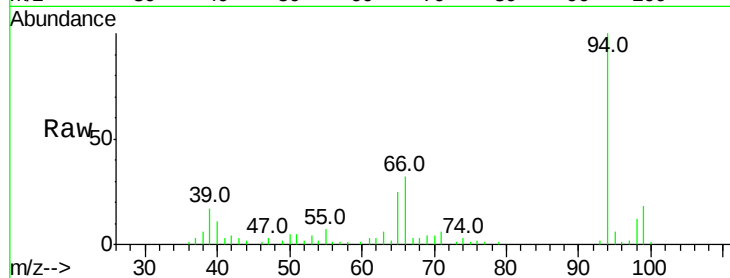




#10
Phenol
Concen: 3.045 ng
RT: 6.56 min Scan# 760
Delta R.T. -0.00 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

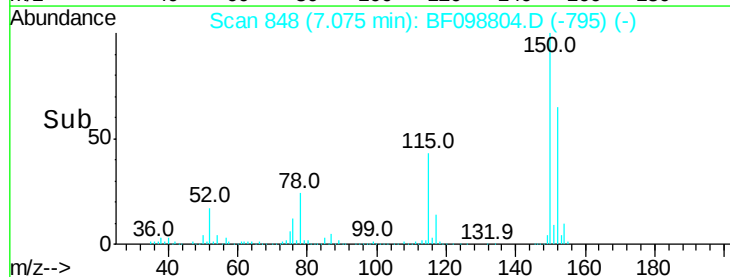
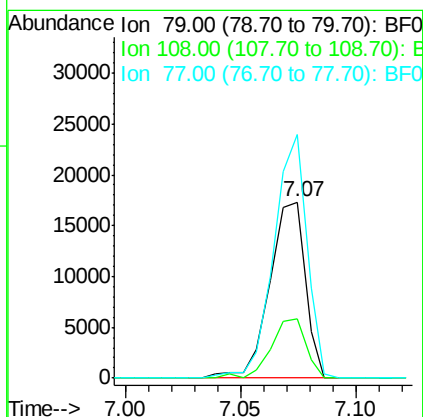
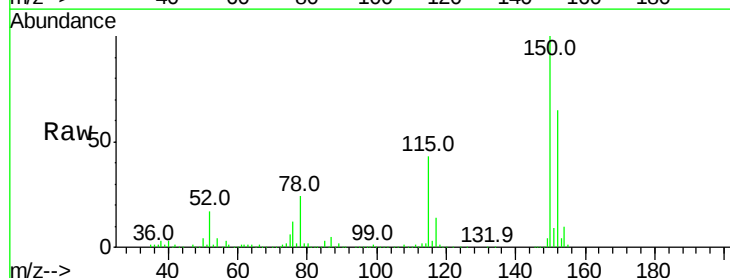
Instrument :
BNA_F
ClientSampleId :

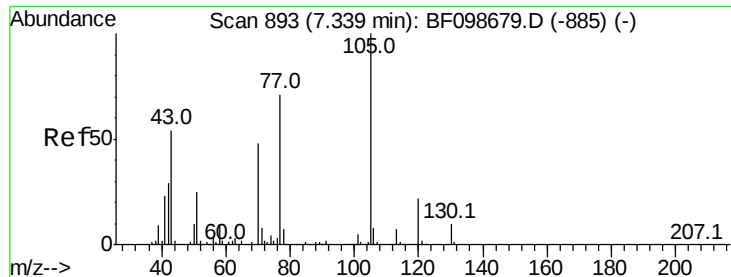
Tot Ion: 94 Resp: 42137
Ion Ratio Lower Upper
94 100
65 24.9 7.9 47.9
66 31.6 16.2 56.2



#15
Benzyl Alcohol
Concen: 2.047 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion: 79 Resp: 18579
Ion Ratio Lower Upper
79 100
108 33.5 65.1 97.7#
77 138.3 50.6 75.8#

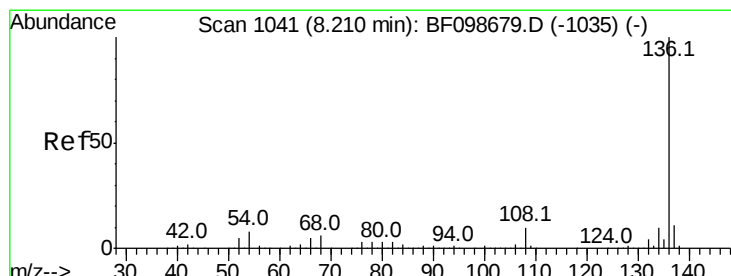
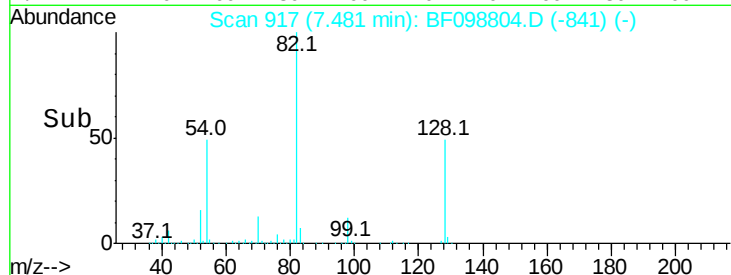
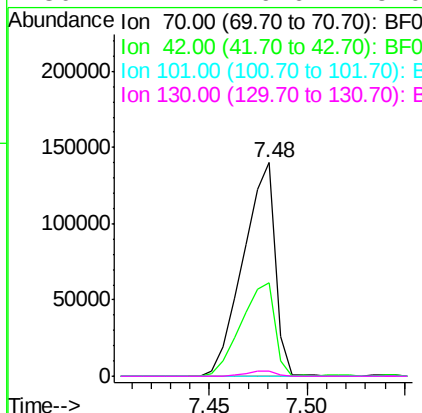
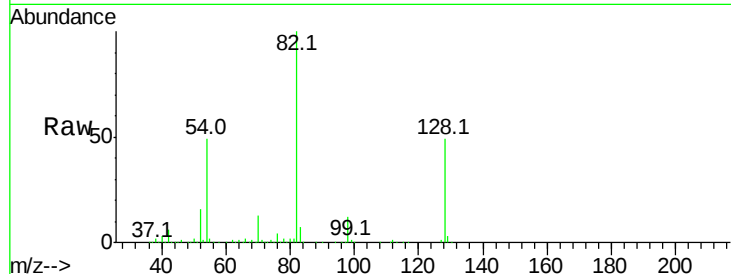




#19
 n-Nitroso-di-n-propylamine
 Concen: 20.164 ng
 RT: 7.48 min Scan# 917
 Delta R.T. 0.15 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

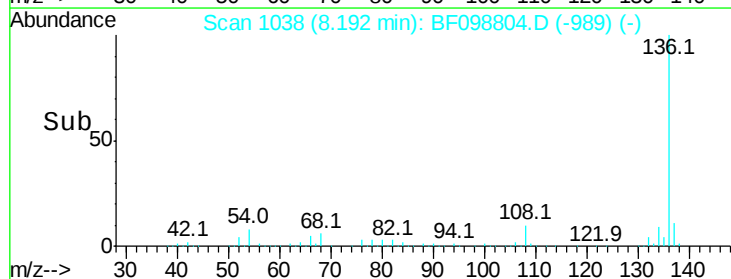
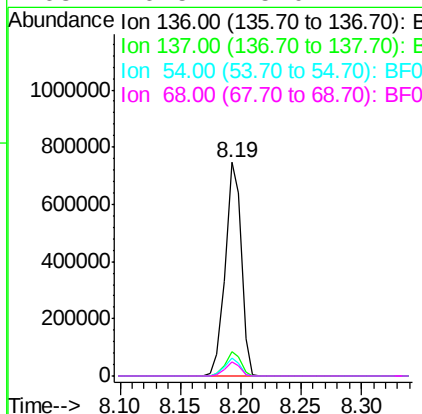
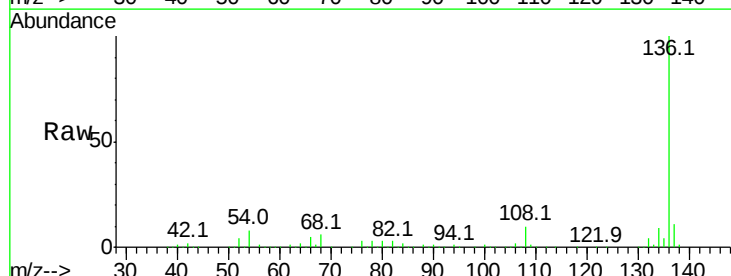
Instrument :
 BNA_F
 ClientSampleId :

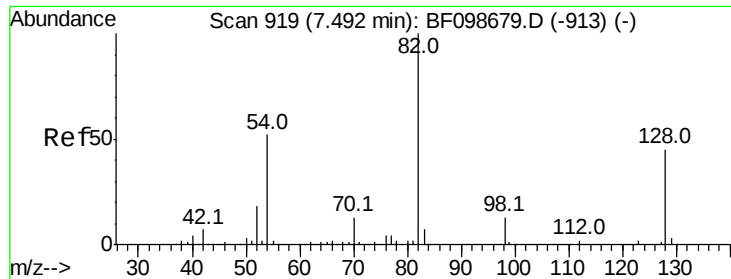
Tot Ion: 70 Resp: 159309
 Ion Ratio Lower Upper
 70 100
 42 43.7 47.5 71.3#
 101 0.0 7.4 11.2#
 130 2.4 16.6 25.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.19 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

Tgt Ion: 136 Resp: 687471
 Ion Ratio Lower Upper
 136 100
 137 11.2 8.9 13.3
 54 8.5 6.6 9.8
 68 6.5 5.0 7.4



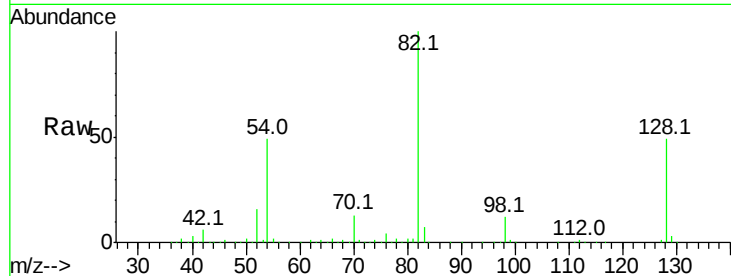


#23
 Nitrobenzene-d5
 Concen: 113.105 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

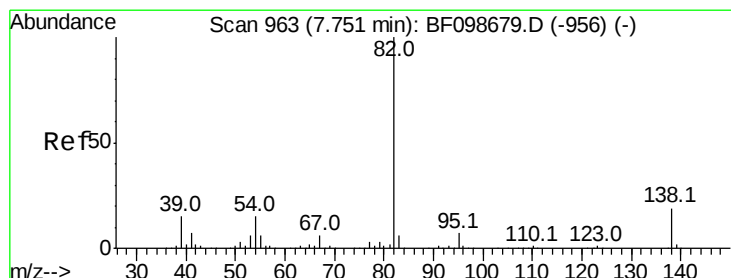
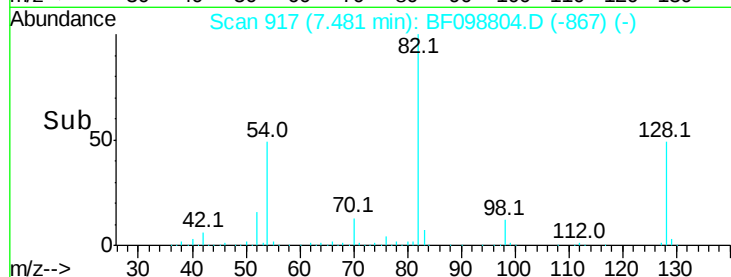
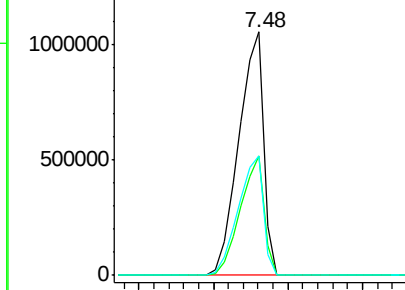
Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 1212481

Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.1	54.1
54	48.9	41.4	62.2



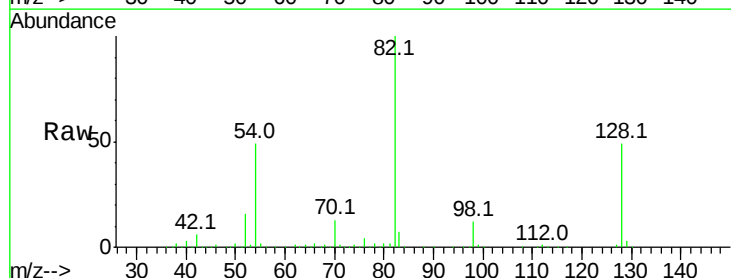
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0



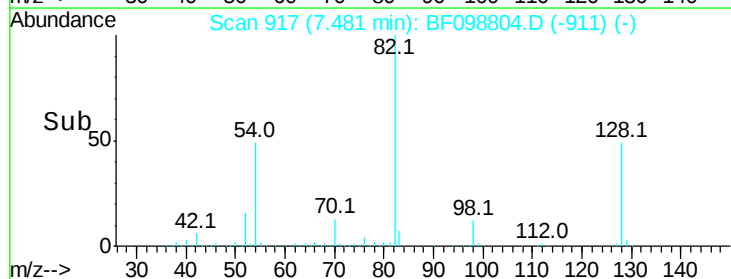
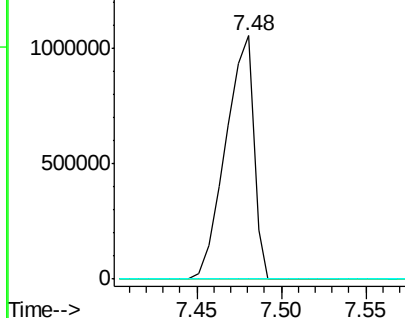
#25
 Isophorone
 Concen: 54.690 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.26 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

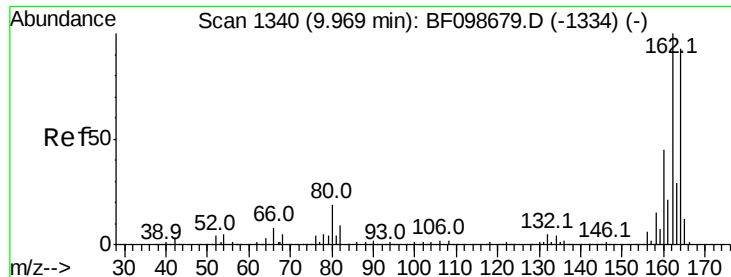
Tgt Ion: 82 Resp: 1212129

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

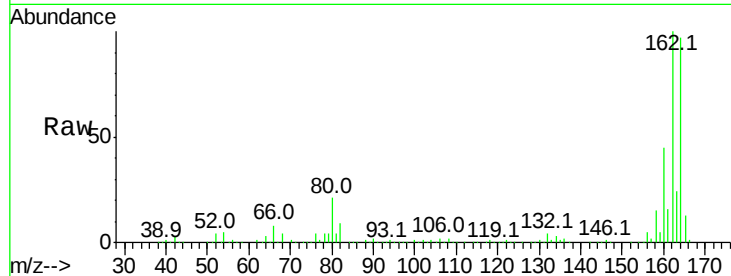




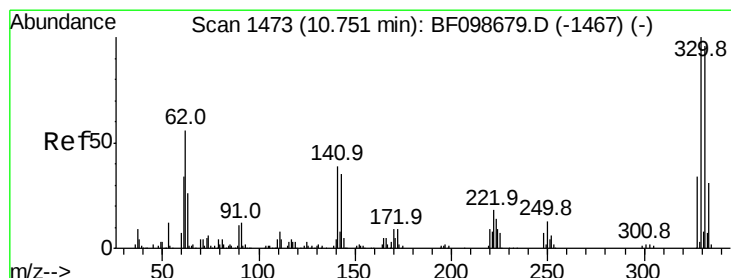
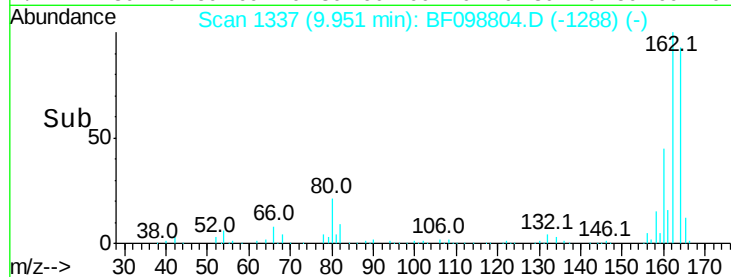
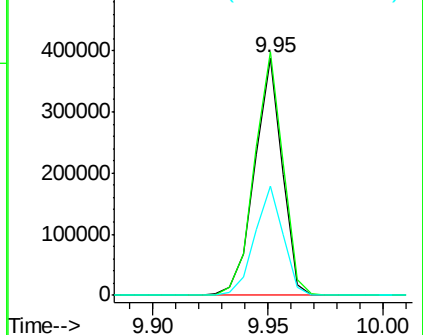
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 324110
 Ion Ratio Lower Upper
 164 100
 162 102.6 86.1 129.1
 160 45.8 38.3 57.5

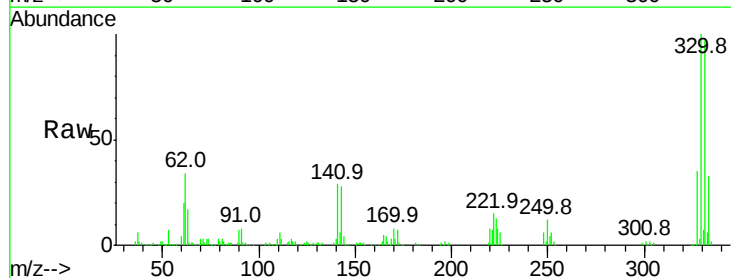


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

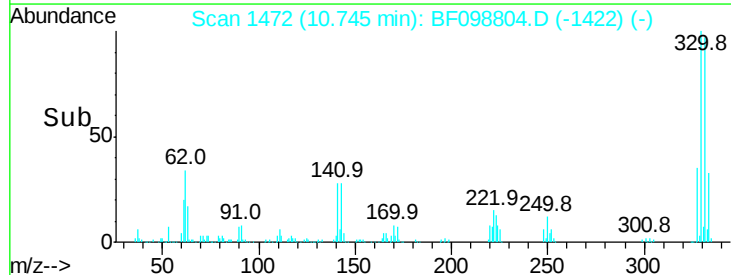
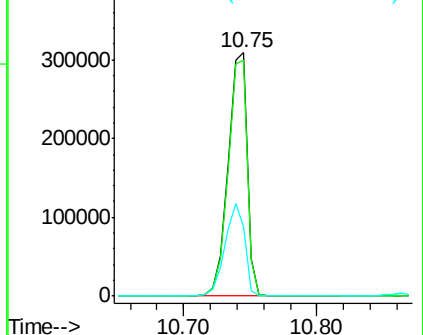


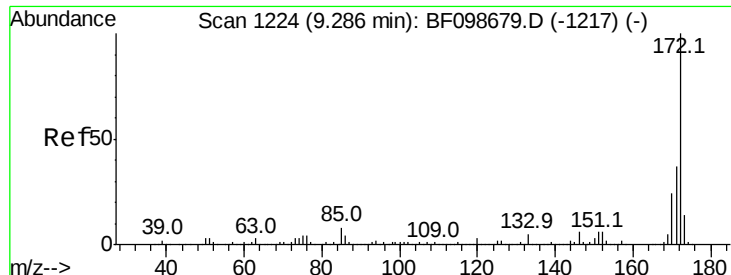
#41
 2,4,6-Tribromophenol
 Concen: 118.765 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

Tgt Ion:330 Resp: 314976
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 39.4 29.9 44.9



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





#44

2-Fluorobiphenyl

Concen: 107.265 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

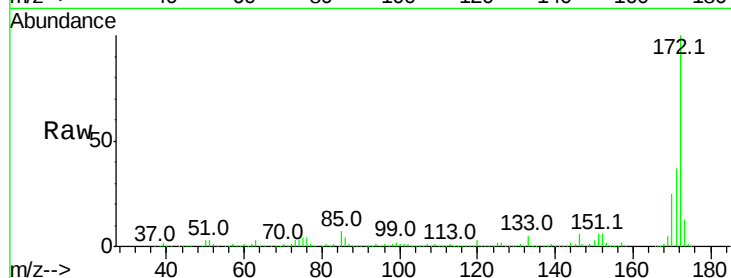
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 2082495

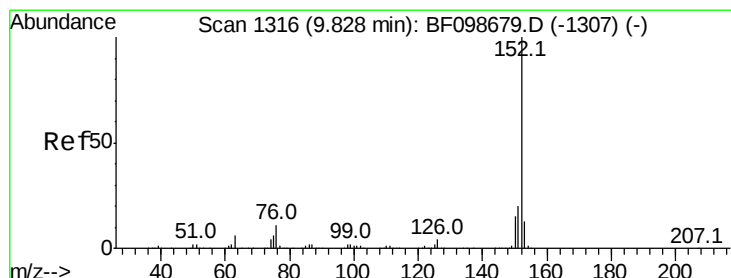
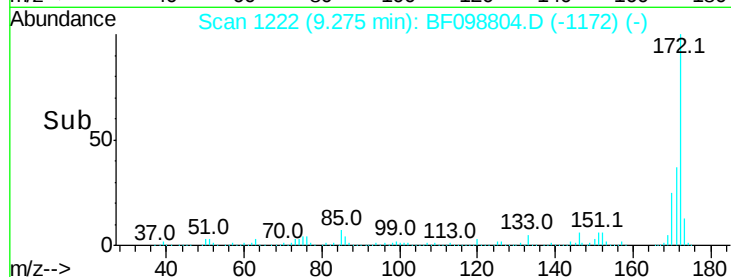
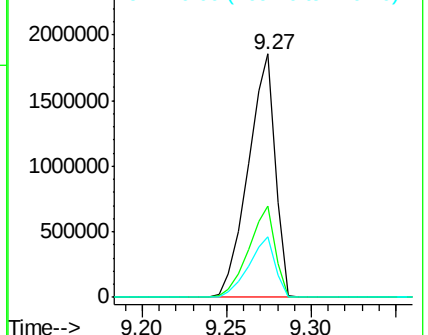
Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	24.8	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48

Acenaphthylene

Concen: 13.938 ng

RT: 9.81 min Scan# 1313

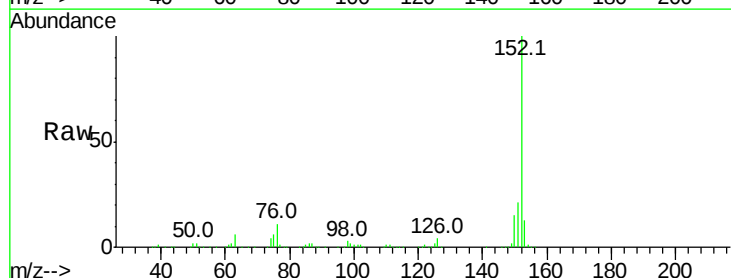
Delta R.T. -0.02 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Tgt Ion:152 Resp: 446232

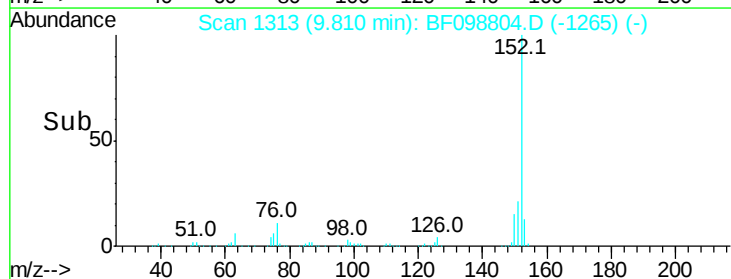
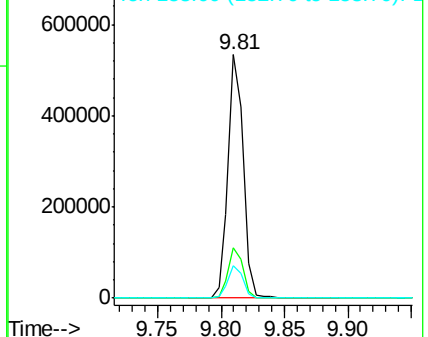
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.3	10.7	16.1

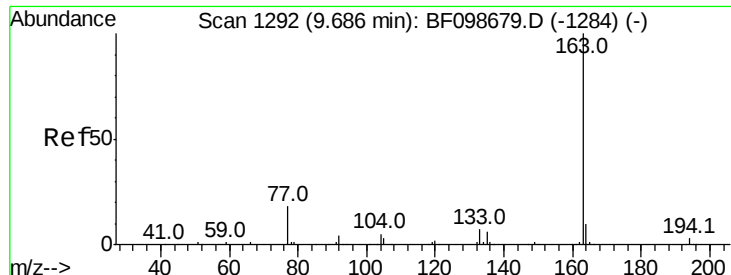


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

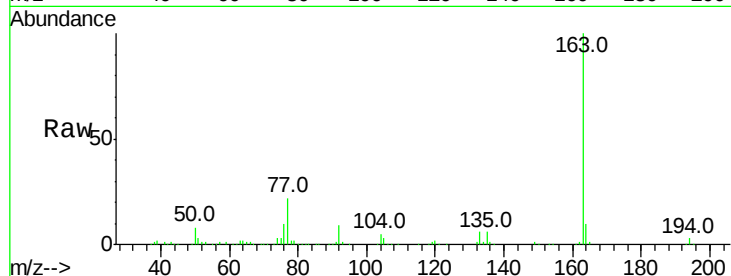




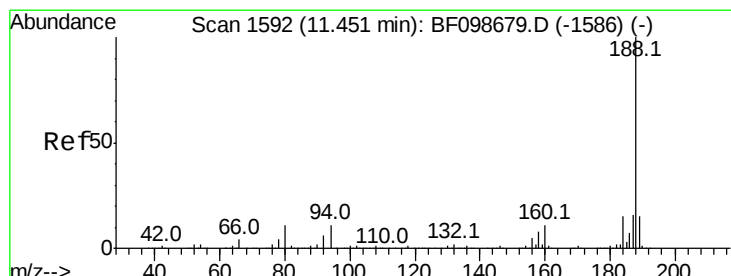
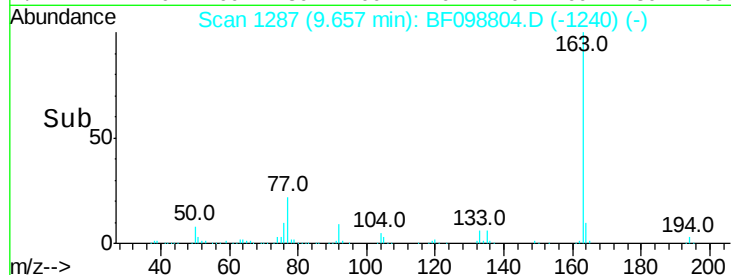
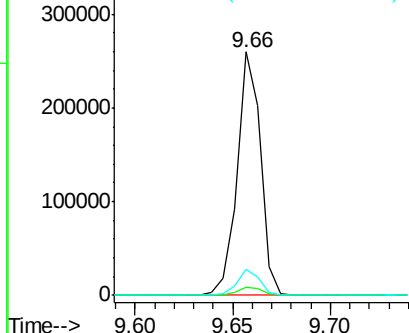
#49
Dimethylphthalate
Concen: 8.782 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 214821
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.5 8.2 12.2

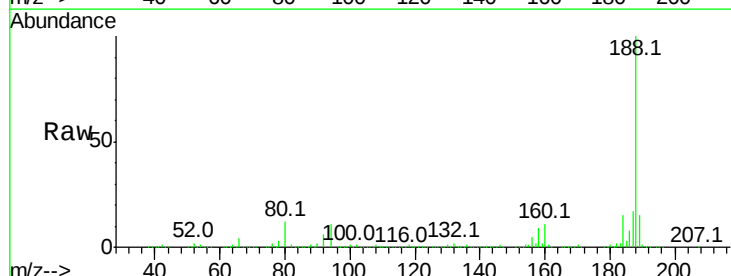


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

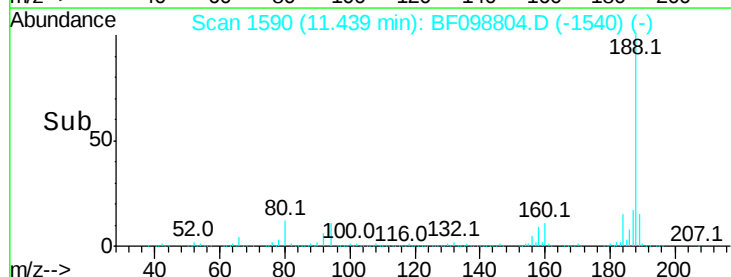
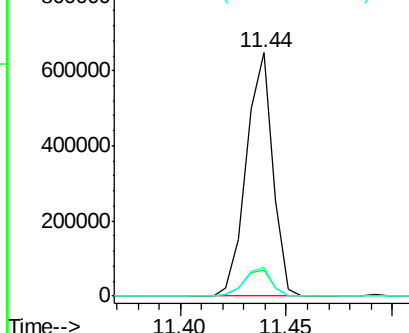


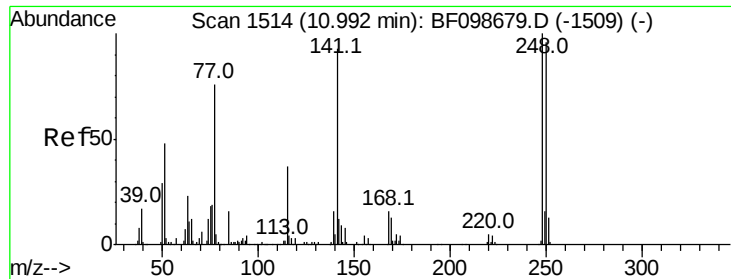
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion:188 Resp: 564490
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

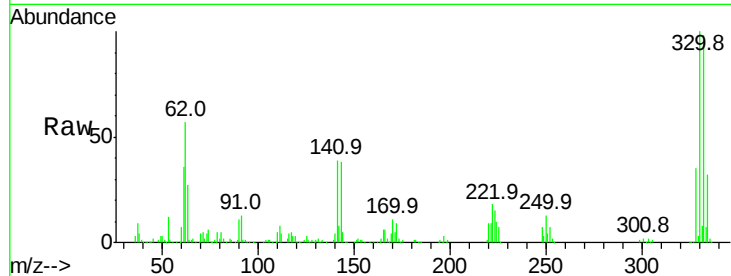




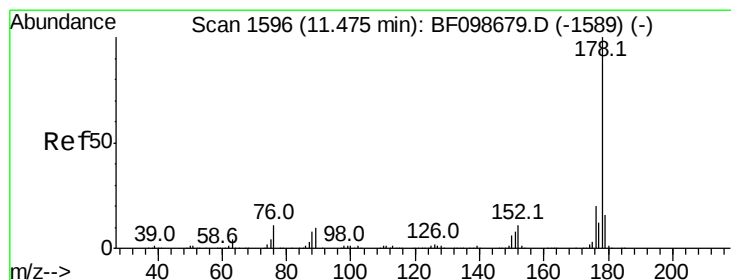
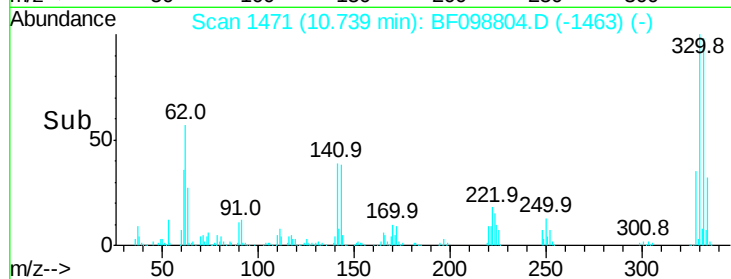
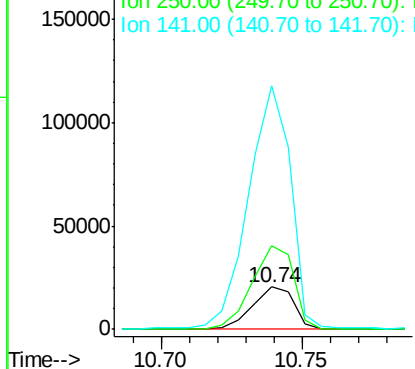
#66
 4-Bromophenyl-phenylether
 Concen: 3.795 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.25 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 20967
 Ion Ratio Lower Upper
 248 100
 250 197.6 76.9 115.3#
 141 578.5 74.4 111.6#

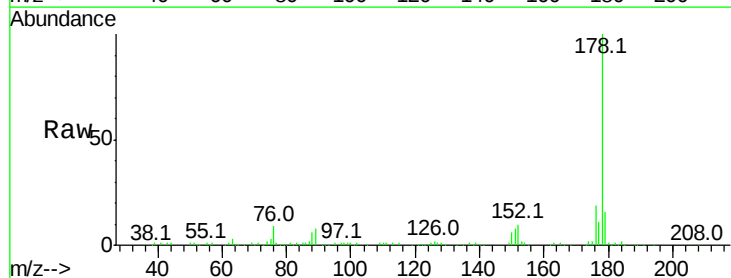


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

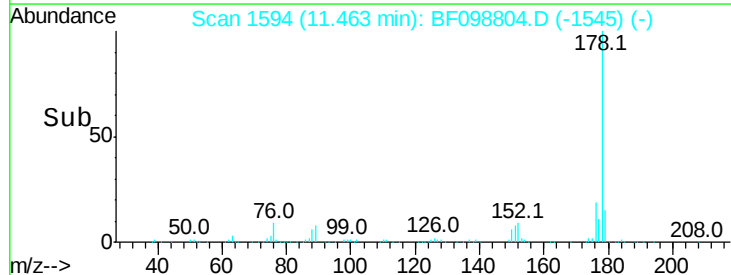
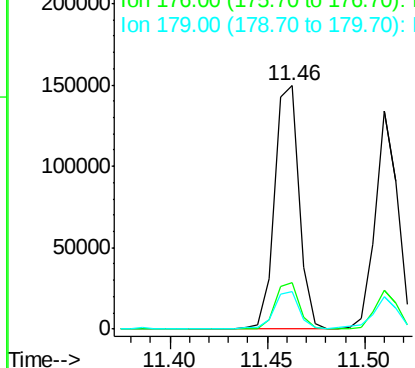


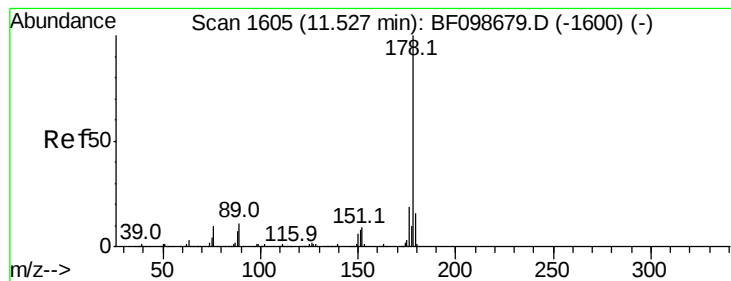
#70
 Phenanthrene
 Concen: 4.328 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF098804.D
 Acq: 26 Sep 2017 1:21

Tgt Ion:178 Resp: 130761
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.6 13.0 19.6



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: 3.441 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.02 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Instrument :

BNA_F

ClientSampleId :

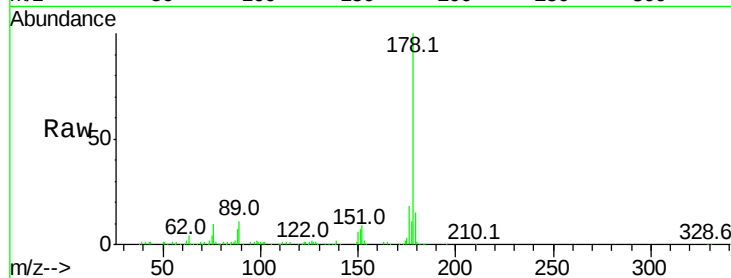
Tot Ion:178 Resp: 106385

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

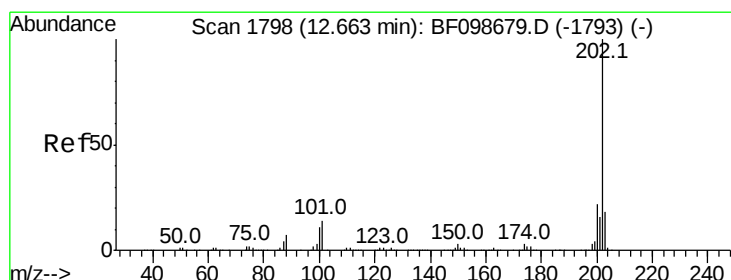
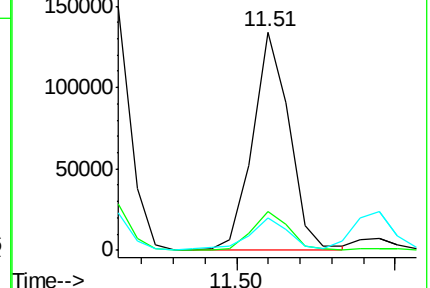
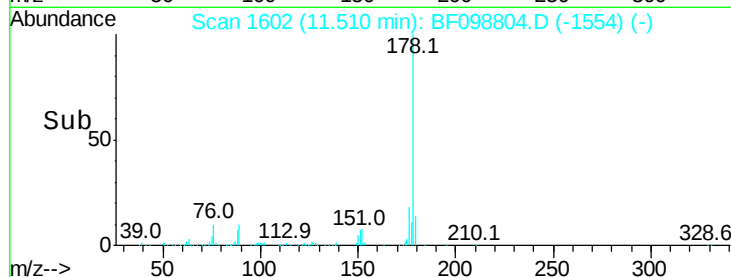
179 14.7 12.6 19.0



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



#74

Fluoranthene

Concen: 21.442 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

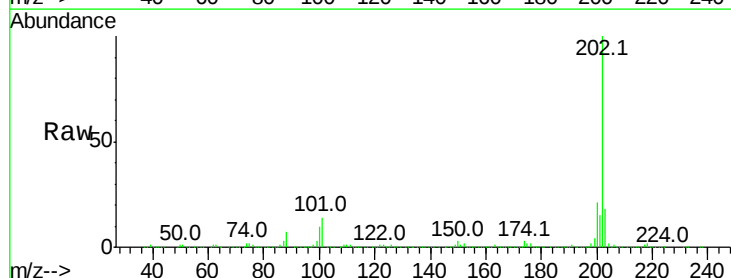
Tgt Ion:202 Resp: 656054

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

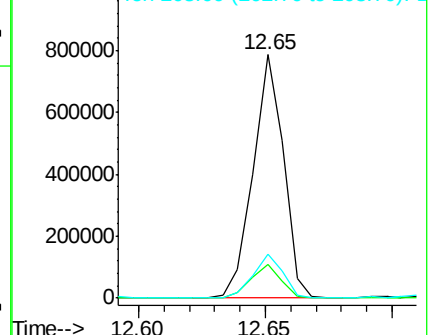
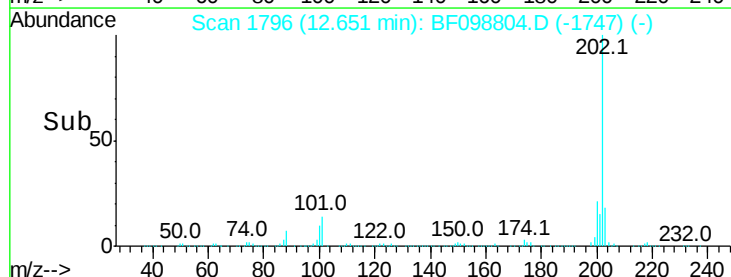
203 17.8 0.0 38.1

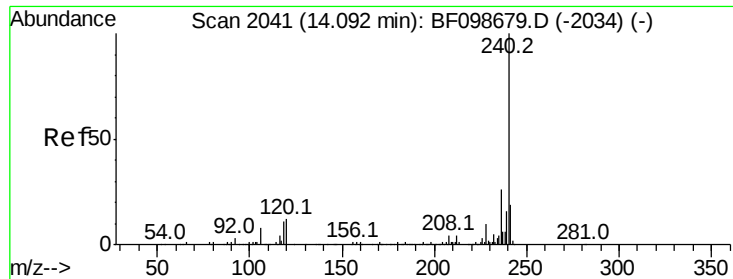


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Instrument :

BNA_F

ClientSampleId :

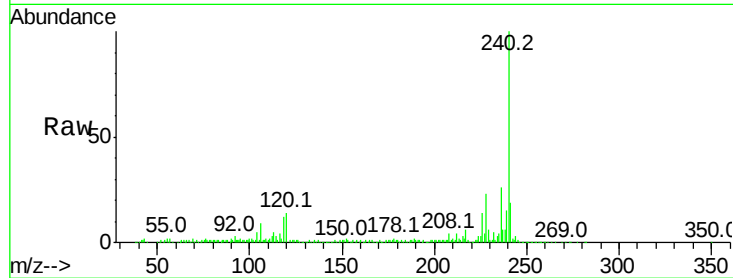
Tot Ion:240 Resp: 311407

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

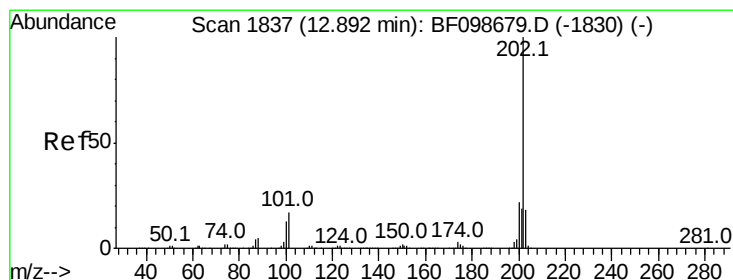
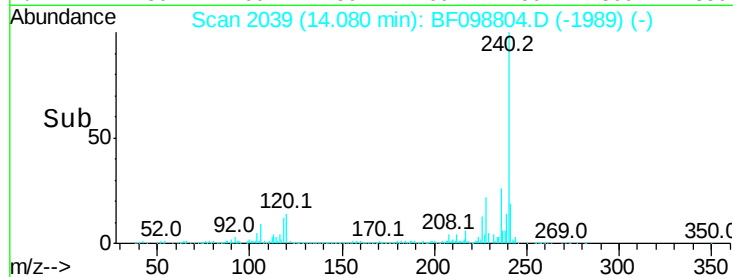
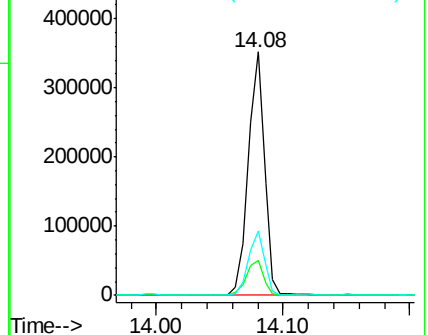
236 26.3 20.7 31.1



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



#77

Pyrene

Concen: 30.089 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

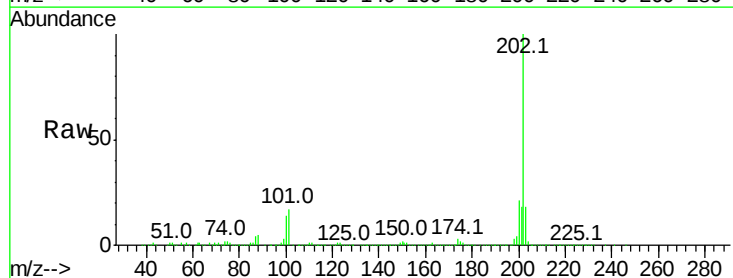
Tgt Ion:202 Resp: 714490

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

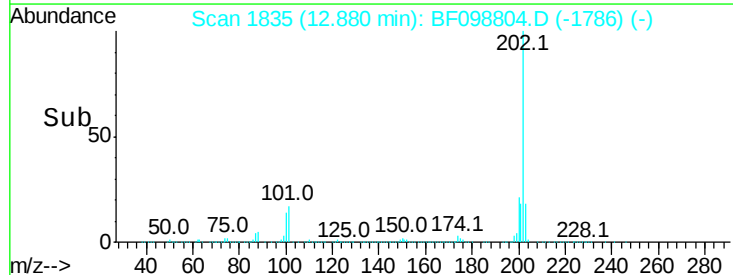
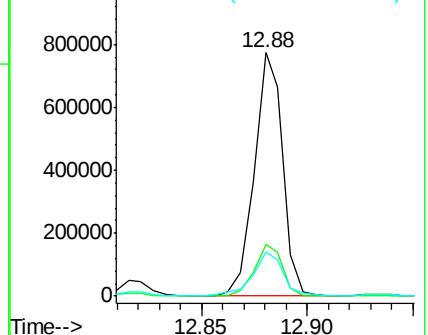
203 18.3 14.3 21.5

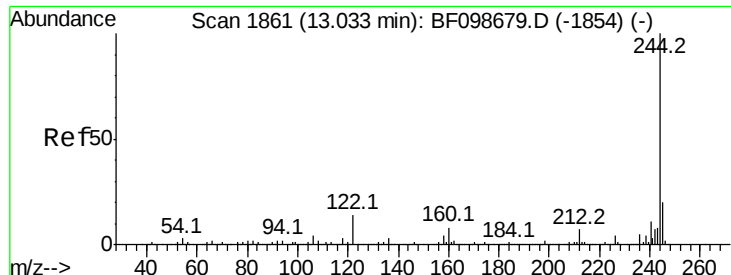


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 122.751 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Instrument :

BNA_F

ClientSampleId :

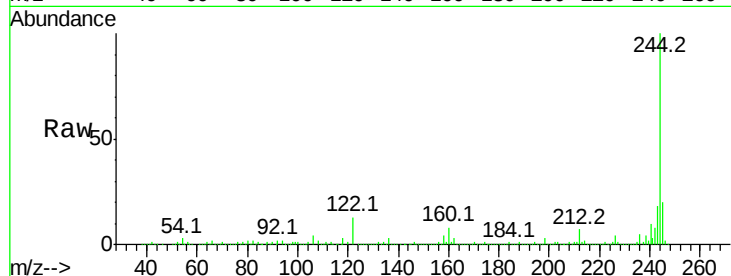
Tot Ion:244 Resp: 1680836

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

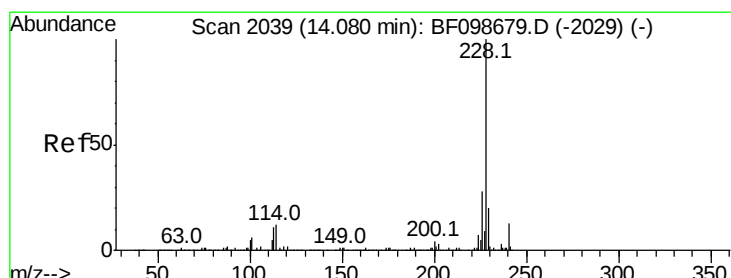
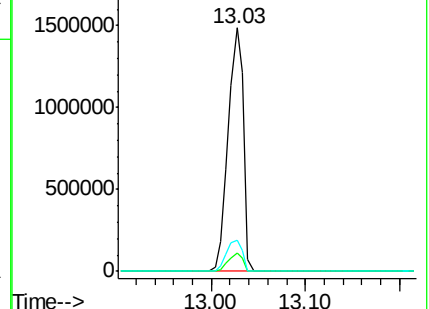
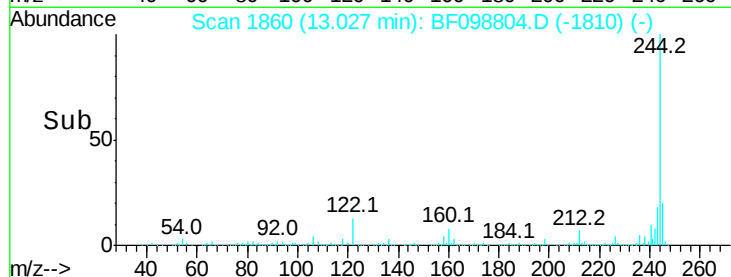
122 13.0 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 26.502 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.03 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

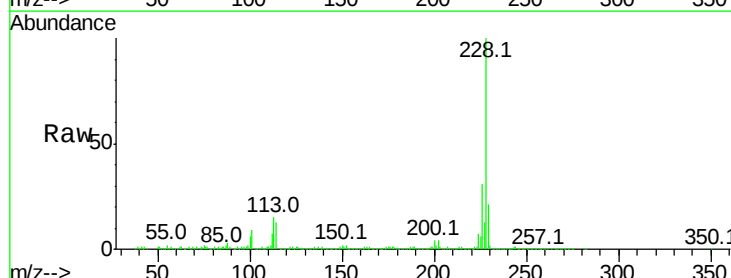
Tgt Ion:228 Resp: 499728

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

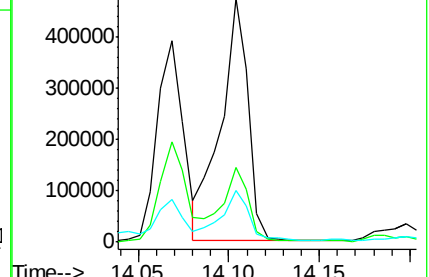
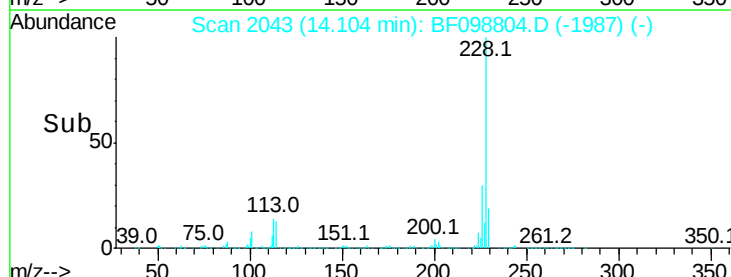
229 21.2 15.8 23.6

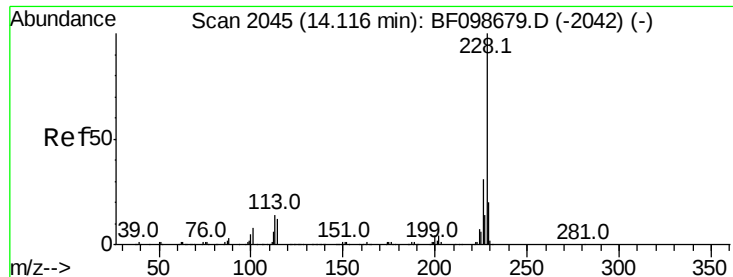


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 27.837 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Instrument :

BNA_F

ClientSampleId :

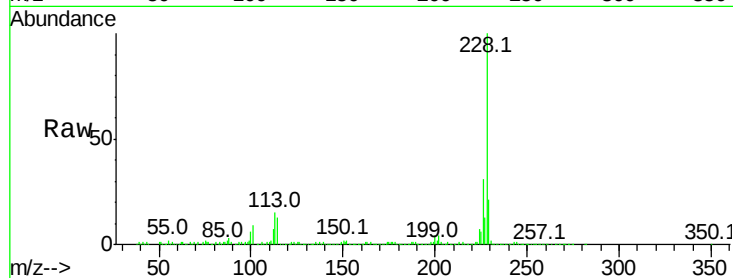
Tot Ion:228 Resp: 499728

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

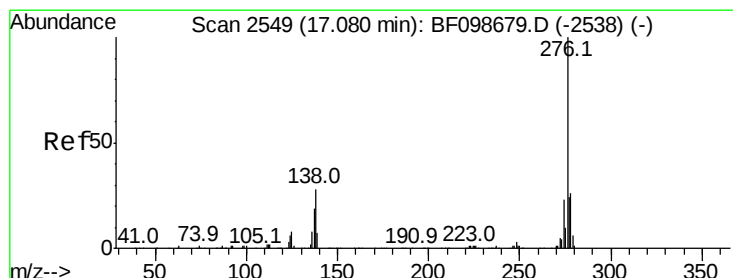
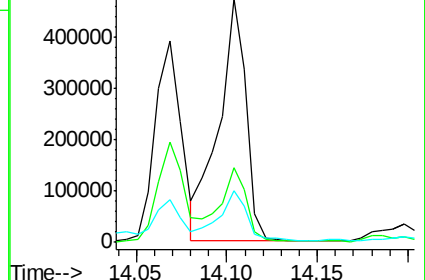
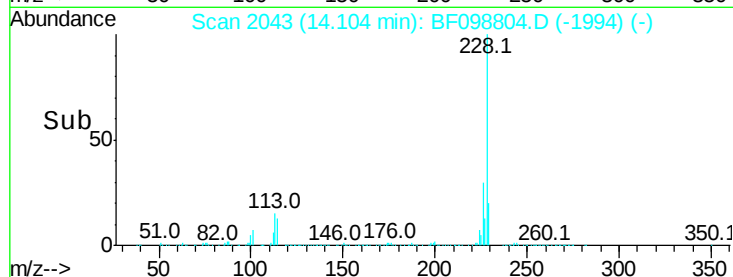
229 21.2 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 36.565 ng

RT: 17.09 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

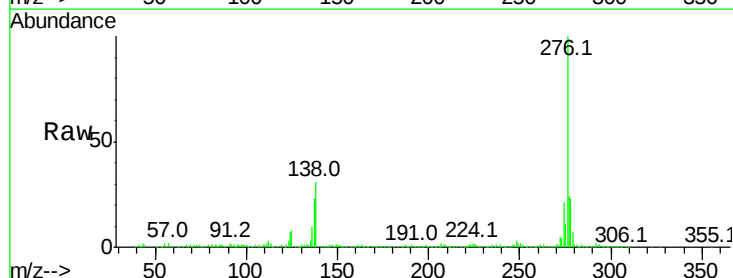
Tgt Ion:276 Resp: 525097

Ion Ratio Lower Upper

276 100

138 29.5 25.0 37.6

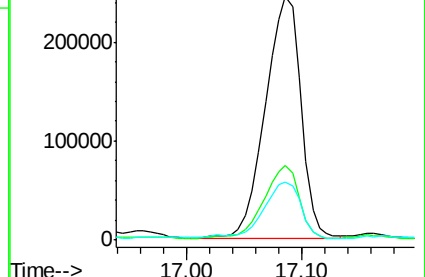
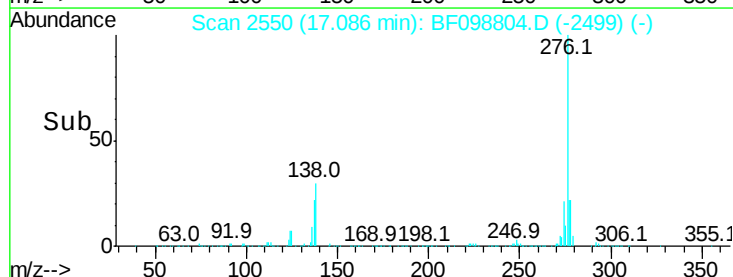
277 24.2 20.1 30.1

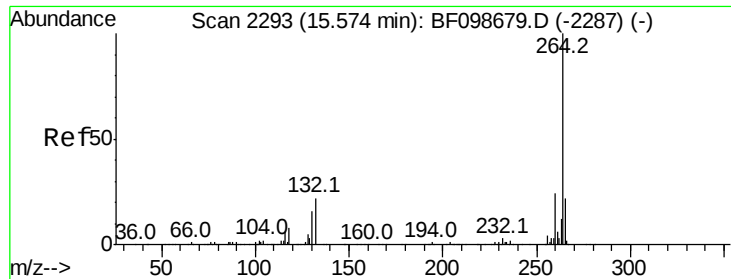


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

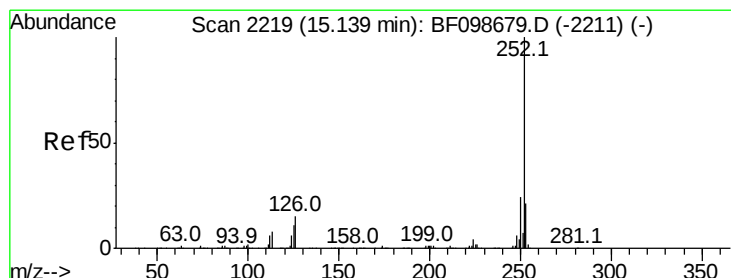
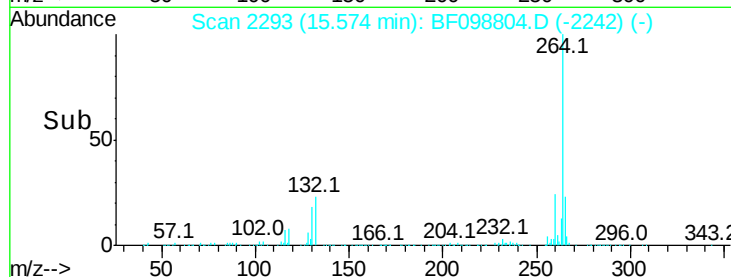
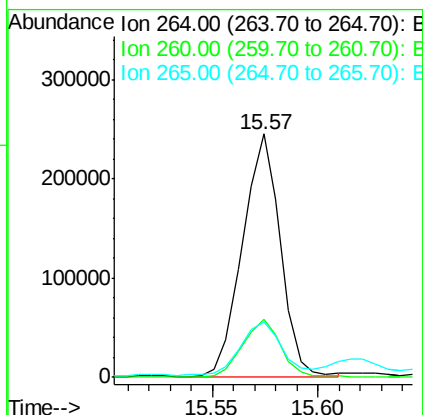
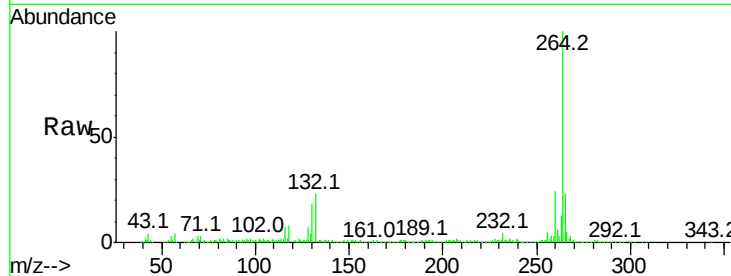




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

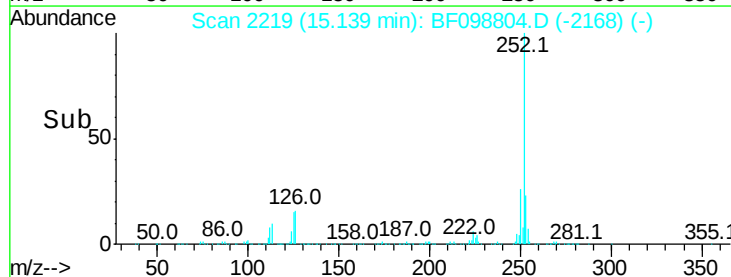
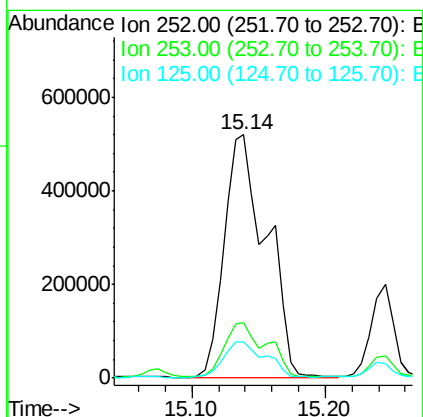
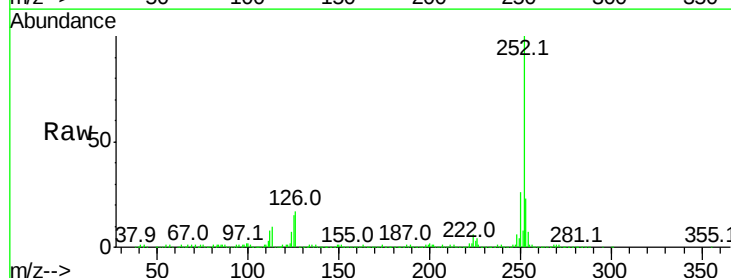
Instrument :
BNA_F
ClientSampleId :

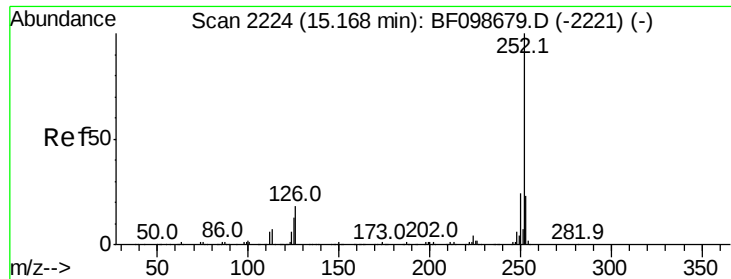
Tot Ion:264 Resp: 302242
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 61.233 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion:252 Resp: 1137897
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 15.1 9.0 13.6#

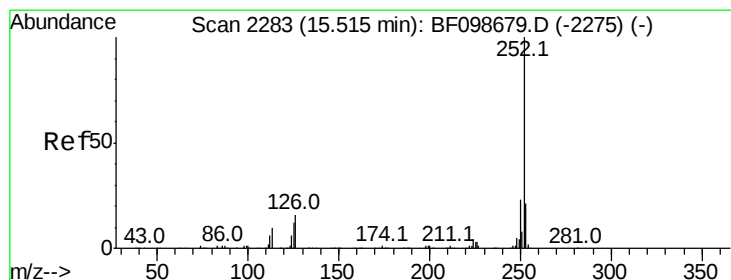
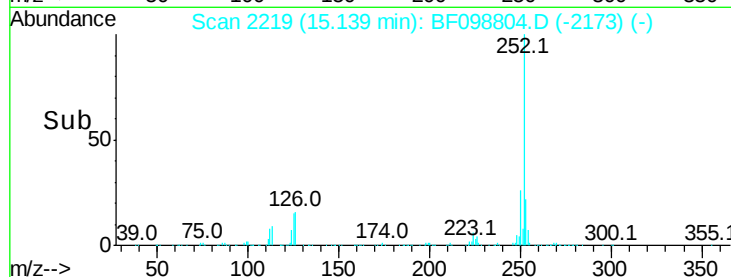
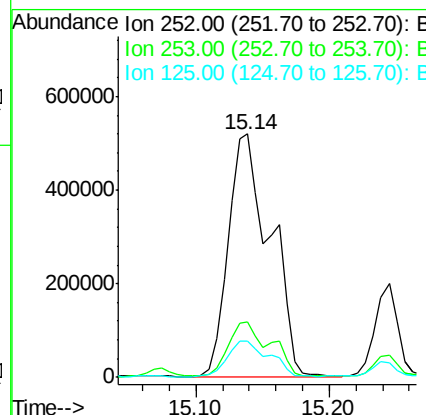
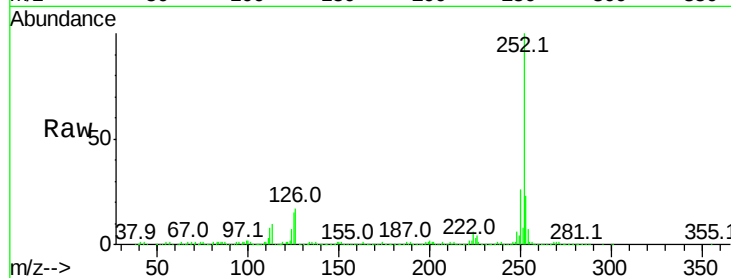




#88
Benzo(k)fluoranthene
Concen: 61.995 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

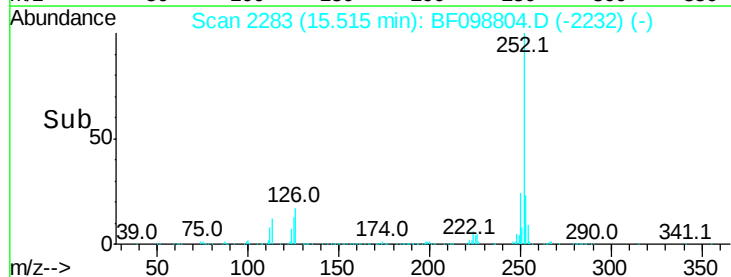
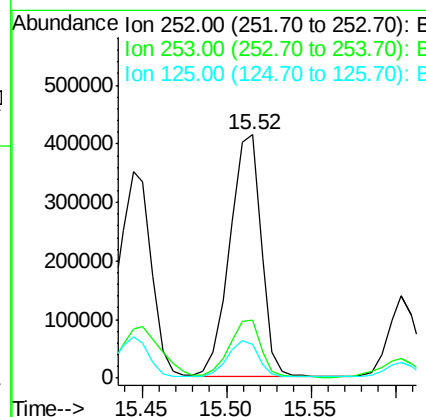
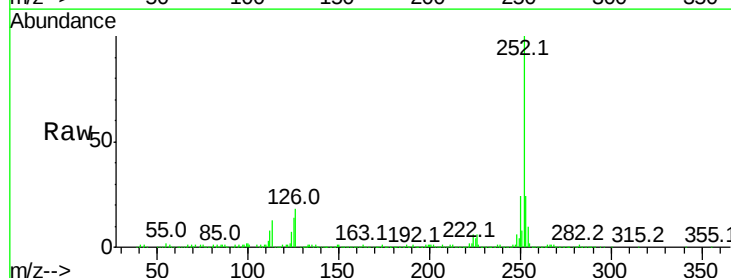
Instrument :
BNA_F
ClientSampleId :

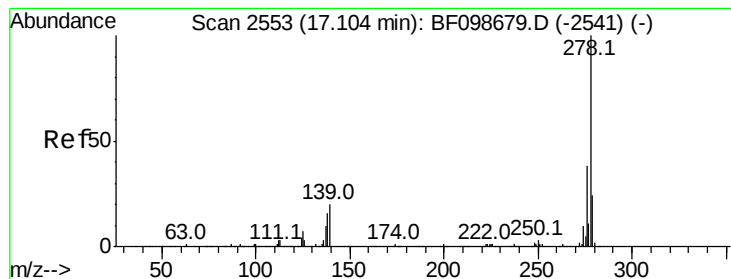
Tot Ion:252 Resp: 1137897
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 15.1 10.2 15.2



#89
Benzo(a)pyrene
Concen: 31.382 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098804.D
Acq: 26 Sep 2017 1:21

Tgt Ion:252 Resp: 535311
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 13.8 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 5.836 ng

RT: 17.32 min Scan# 2590

Delta R.T. 0.22 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

Instrument :

BNA_F

ClientSampleId :

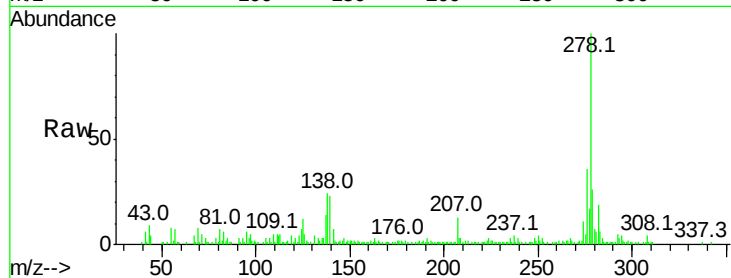
Tot Ion:278 Resp: 79669

Ion Ratio Lower Upper

278 100

139 22.8 15.9 23.9

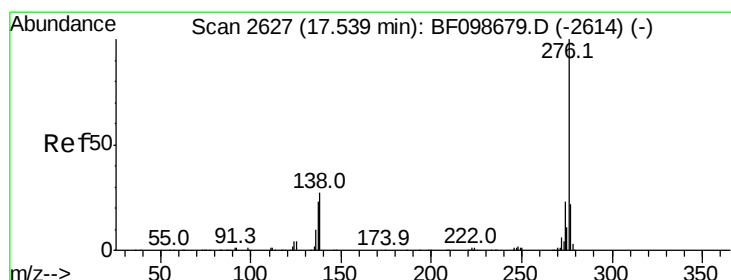
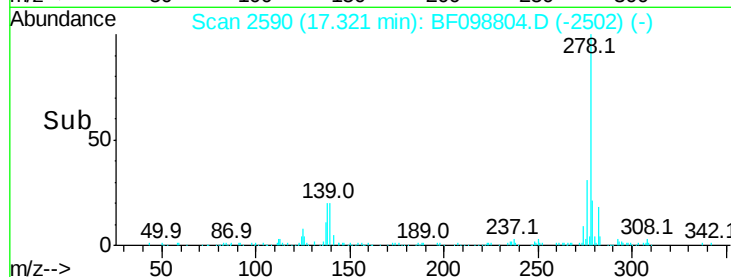
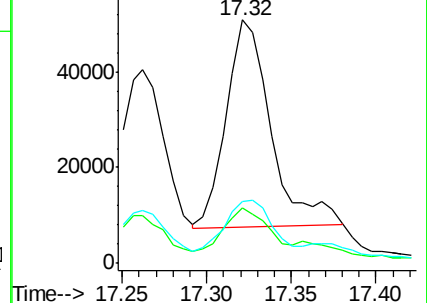
279 25.6 19.0 28.4



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: 41.406 ng

RT: 17.55 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF098804.D

Acq: 26 Sep 2017 1:21

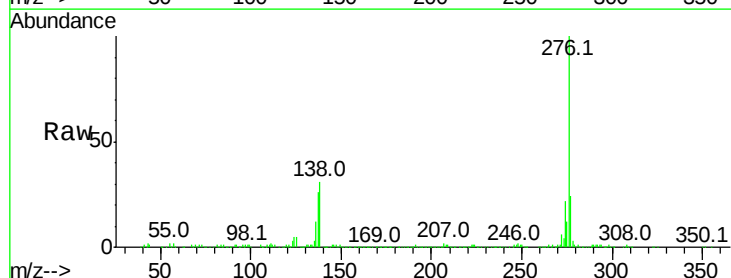
Tgt Ion:276 Resp: 558733

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 31.0 21.8 32.8



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

