

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098877.D
 Acq On : 27 Sep 2017 22:00
 Operator : SJ/JU
 Sample : I5423-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:54:40 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	151327	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	633098	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	278739	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	449225	20.00	ng	0.00
75) Chrysene-d12	14.08	240	322061	20.00	ng	0.00
86) Perylene-d12	15.57	264	261476	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	785608	82.64	ng	0.00
7) Phenol-d6	6.54	99	959401	81.81	ng	0.00
23) Nitrobenzene-d5	7.47	82	576327	58.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	169850	74.47	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1010876	60.54	ng	-0.01
78) Terphenyl-d14	13.02	244	748806	52.88	ng	-0.01

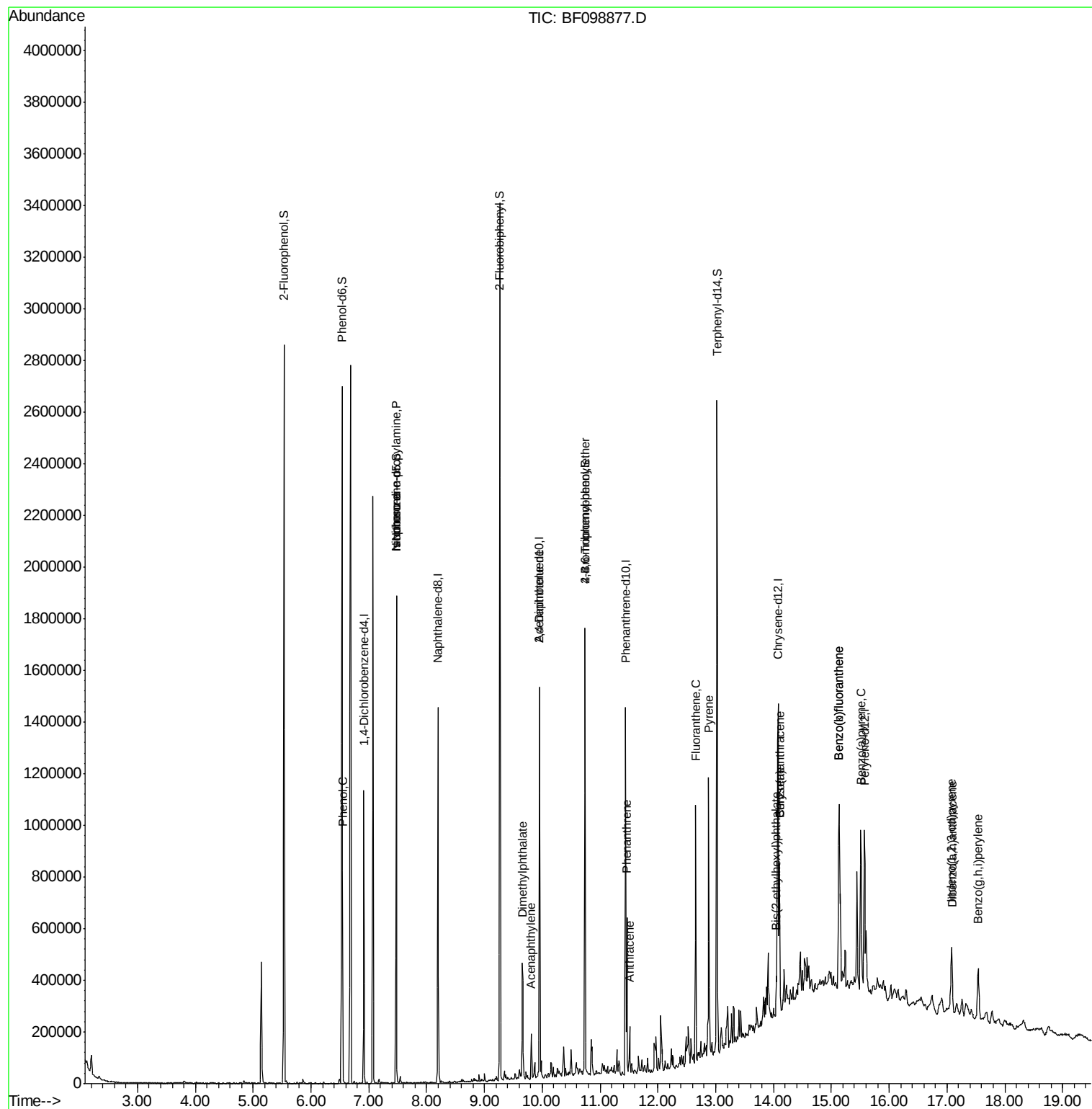
Target Compounds				Qvalue		
10) Phenol	6.55	94	28565	2.18	ng	97
19) n-Nitroso-di-n-propylamine	7.47	70	75777	10.12	ng	# 79
25) Isophorone	7.47	82	575502	28.20	ng	# 64
48) Acenaphthylene	9.81	152	63894	2.32	ng	99
49) Dimethylphthalate	9.66	163	149620	7.11	ng	99
56) 2,4-Dinitrotoluene	9.95	165	37601	6.33	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	11836	2.69	ng	# 1
70) Phenanthrene	11.46	178	190733	7.93	ng	98
71) Anthracene	11.52	178	71925	2.92	ng	98
74) Fluoranthene	12.65	202	355718	14.61	ng	99
77) Pyrene	12.88	202	436562	17.78	ng	99
80) Benzo(a)anthracene	14.10	228	206794	10.60	ng	96
82) Chrysene	14.10	228	206794	11.14	ng	98
83) Bis(2-ethylhexyl)phthalate	14.04	149	37251	2.34	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	163053	10.98	ng	97
87) Benzo(b)fluoranthene	15.13	252	526727	32.76	ng	# 95
88) Benzo(k)fluoranthene	15.13	252	526727	33.17	ng	98
89) Benzo(a)pyrene	15.51	252	282506	19.14	ng	# 95
90) Dibenzo(a,h)anthracene	17.09	278	37926	3.21	ng	# 84
91) Benzo(a,h,i)perylene	17.54	276	168039	14.39	ng	95

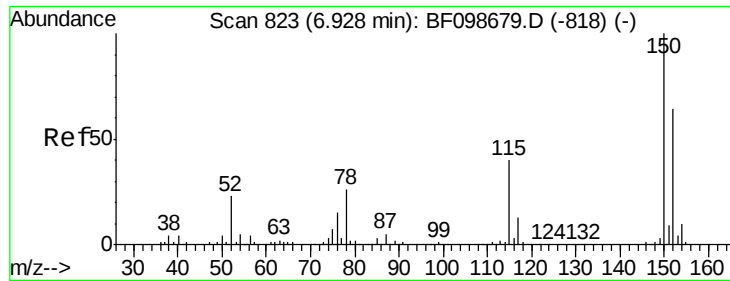
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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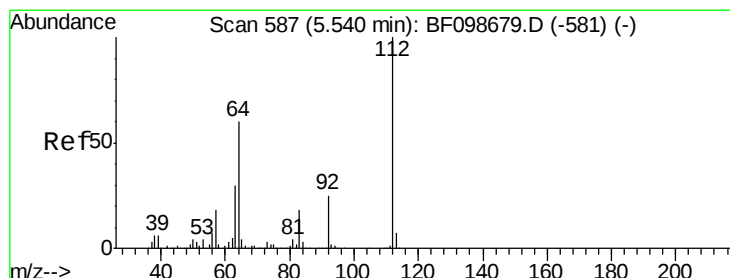
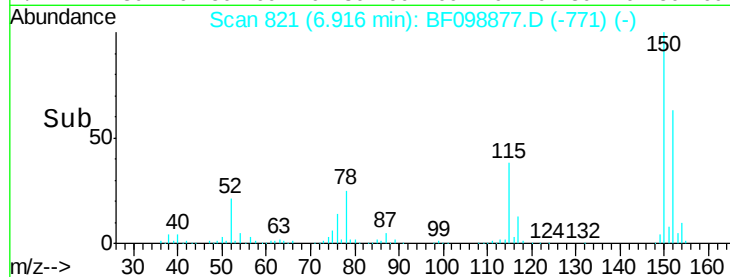
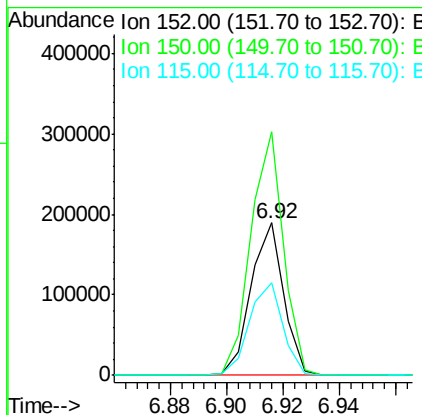
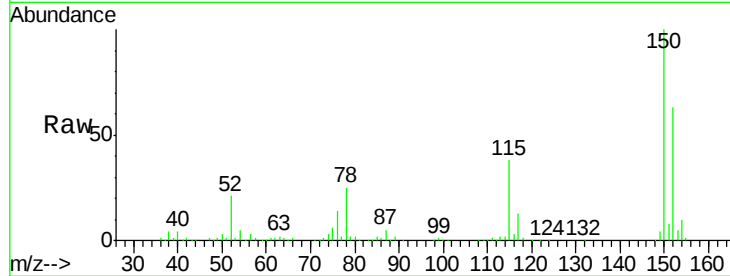


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF098877.D
 Acq: 27 Sep 2017 22:00

Instrument :
 BNA_F
 ClientSampleId :

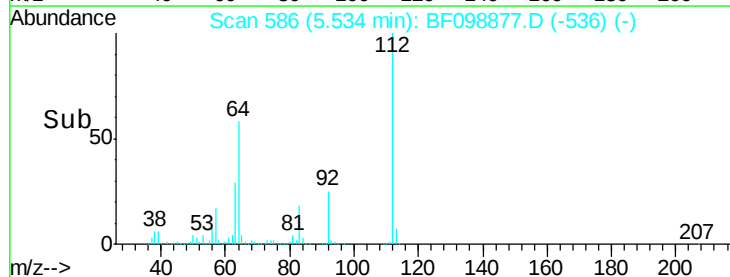
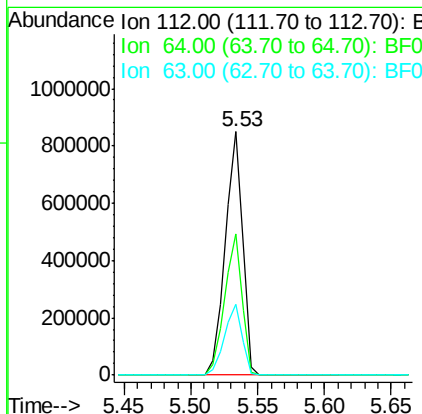
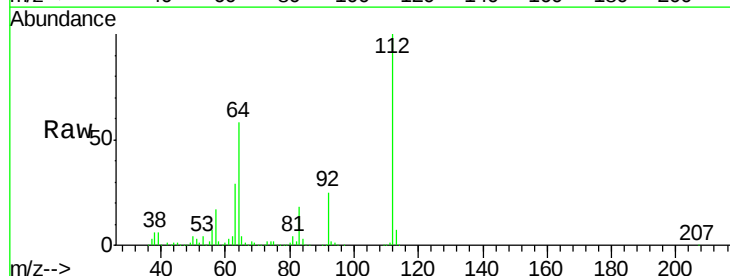
Tot Ion:152 Resp: 151327
 Ion Ratio Lower Upper
 152 100
 150 159.6 124.6 186.8
 115 61.1 50.1 75.1



#5

2-Fluorophenol
 Concen: 82.64 ng
 RT: 5.53 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: BF098877.D
 Acq: 27 Sep 2017 22:00

Tgt Ion:112 Resp: 785608
 Ion Ratio Lower Upper
 112 100
 64 57.9 47.9 71.9
 63 29.3 23.7 35.5





#7

Phenol-d6

Concen: 81.81 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

Instrument :

BNA_F

ClientSampleId :

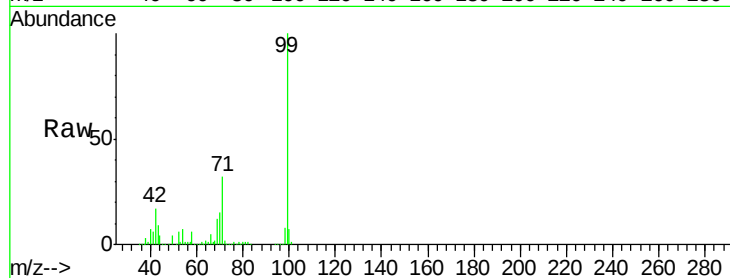
Tot Ion: 99 Resp: 959401

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

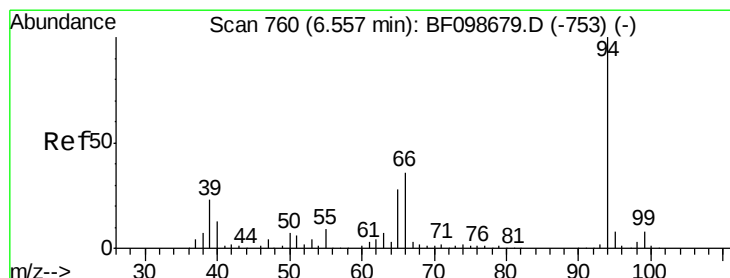
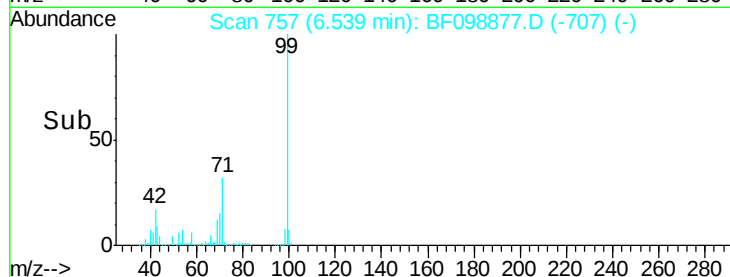
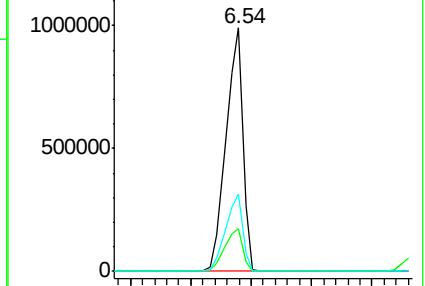
71 31.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.18 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

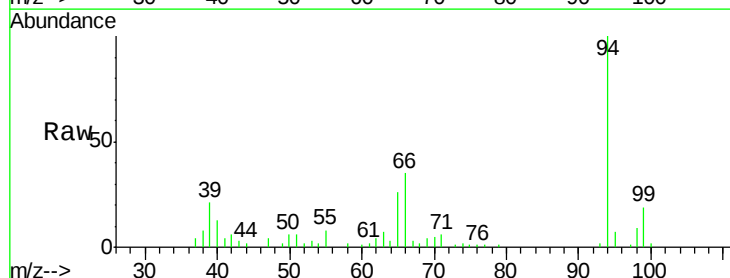
Tgt Ion: 94 Resp: 28565

Ion Ratio Lower Upper

94 100

65 26.1 7.9 47.9

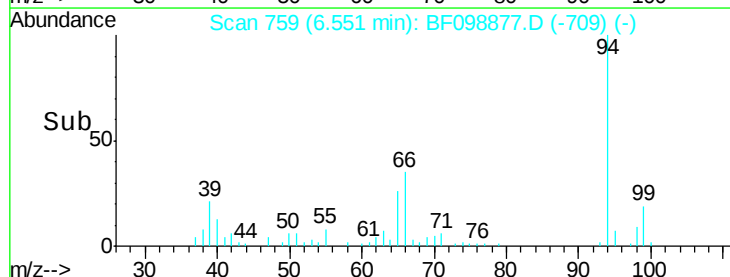
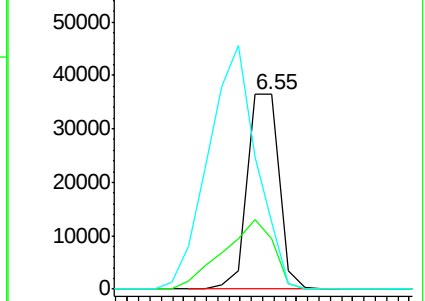
66 34.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

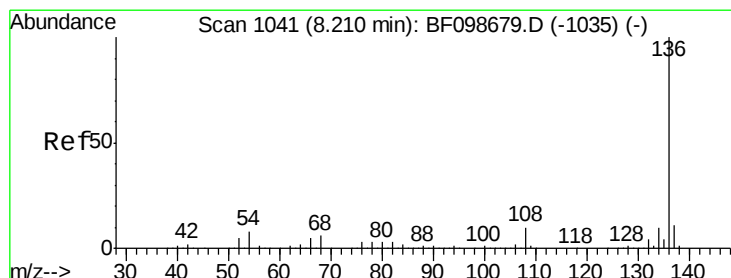
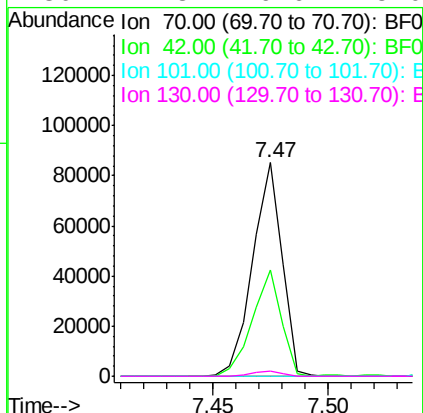
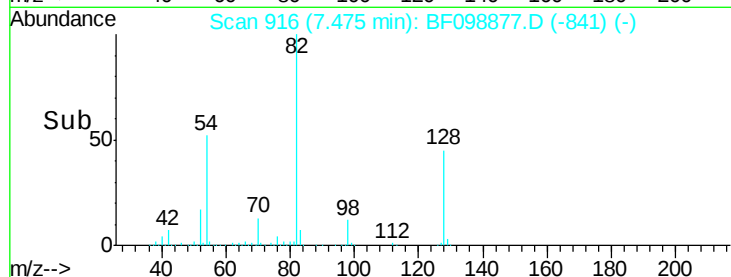
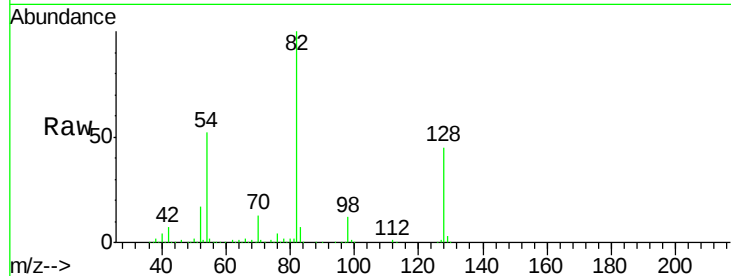




#19
n-Nitroso-di-n-propylamine
Concen: 10.12 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

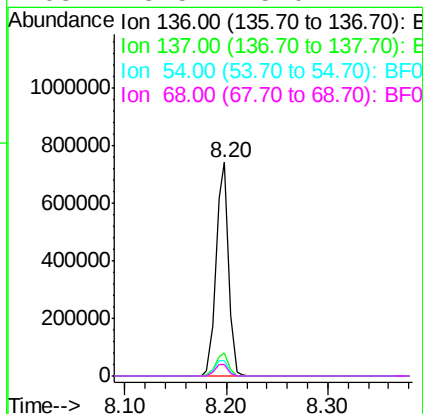
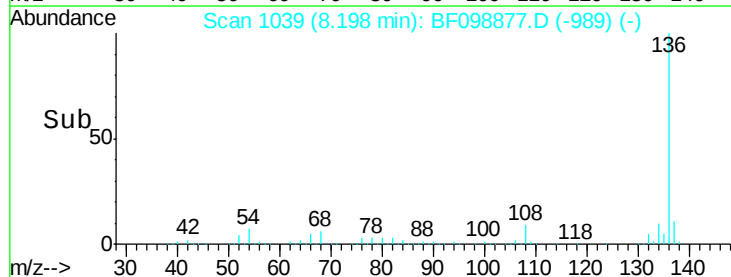
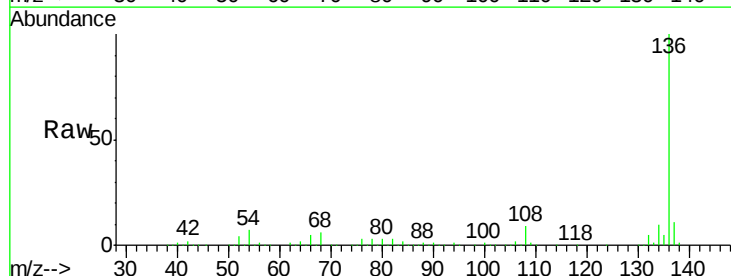
Instrument :
BNA_F
ClientSampleId :

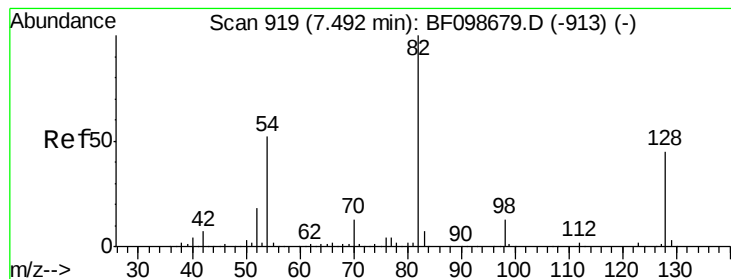
Tot Ion: 70 Resp: 75777
Ion Ratio Lower Upper
70 100
42 49.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

Tgt Ion: 136 Resp: 633098
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.1 6.6 9.8
68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 58.38 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

Instrument :

BNA_F

ClientSampled :

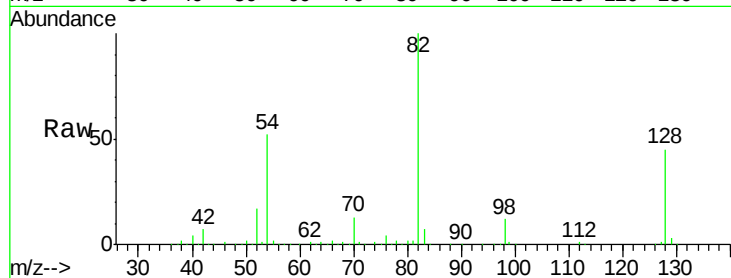
Tot Ion: 82 Resp: 576327

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

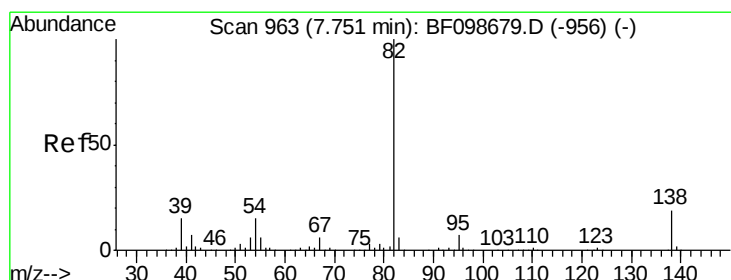
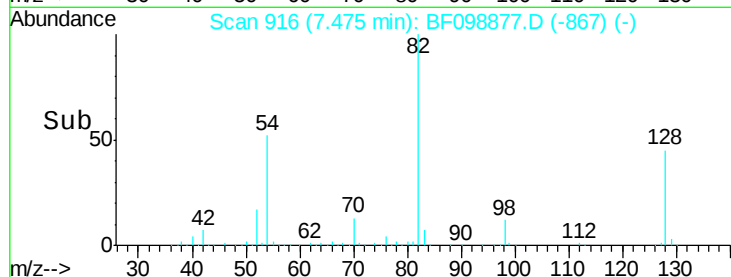
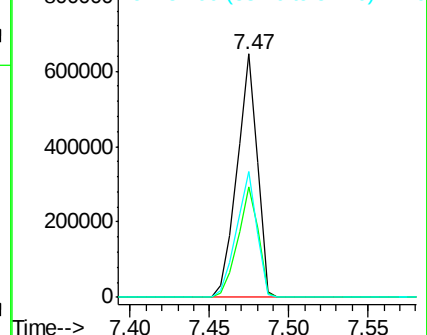
54 51.9 41.4 62.2



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: 28.20 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

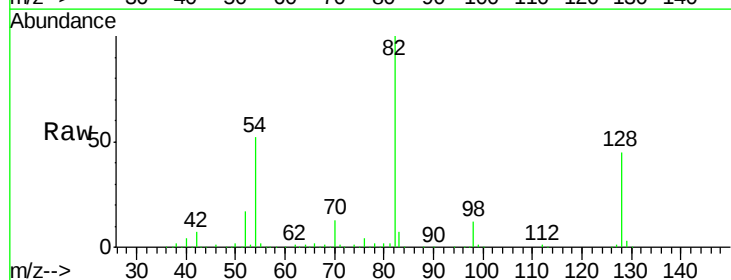
Tgt Ion: 82 Resp: 575502

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

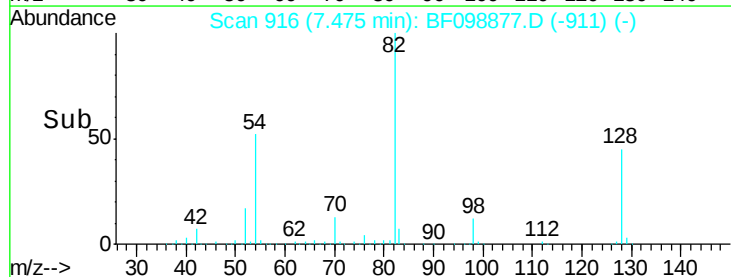
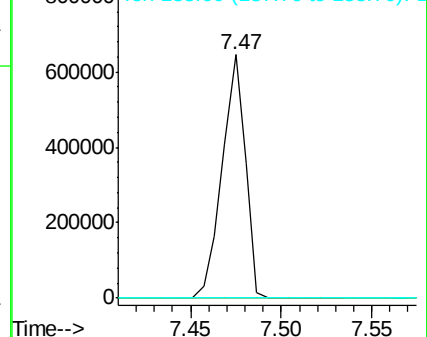
138 0.0 14.9 22.3#

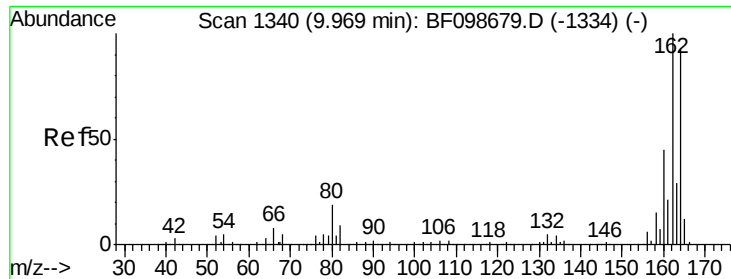


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

Instrument :

BNA_F

ClientSampleId :

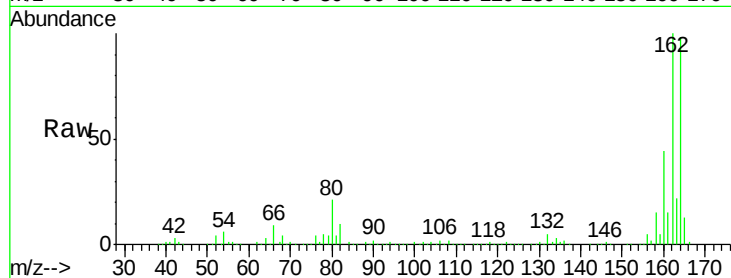
Tot Ion:164 Resp: 278739

Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

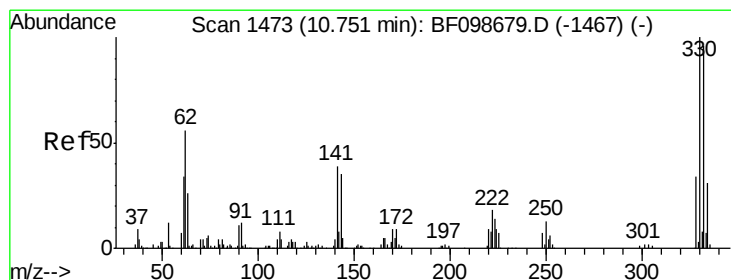
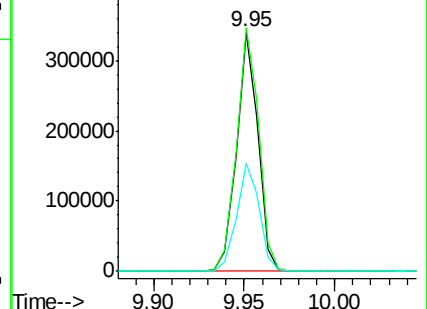
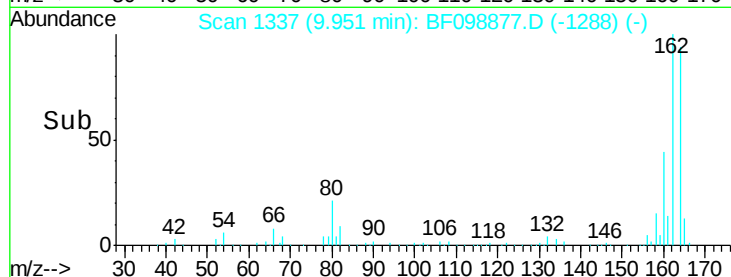
160 45.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 74.47 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

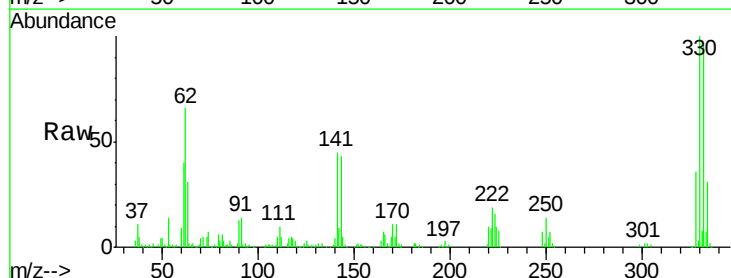
Tgt Ion:330 Resp: 169850

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

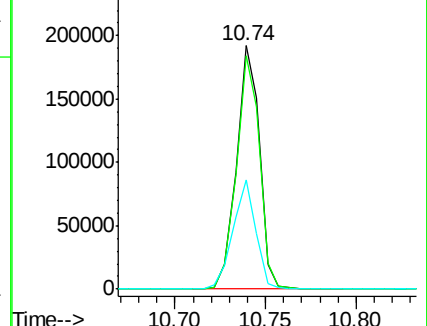
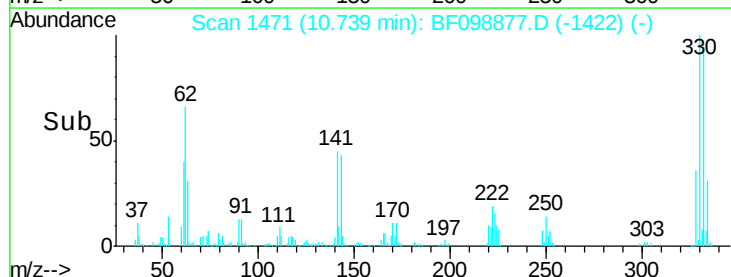
141 45.7 29.9 44.9#

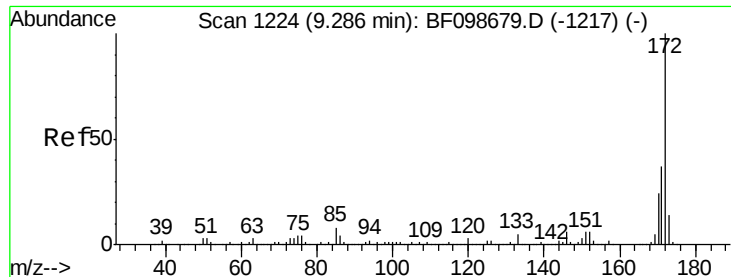


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



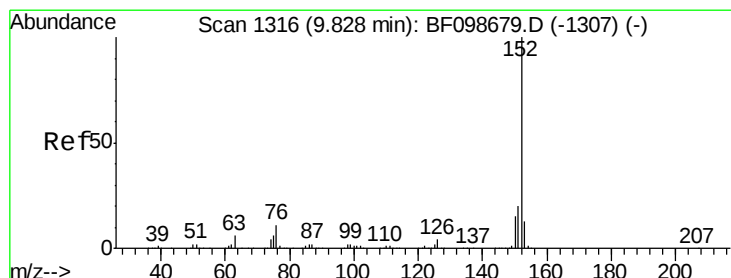
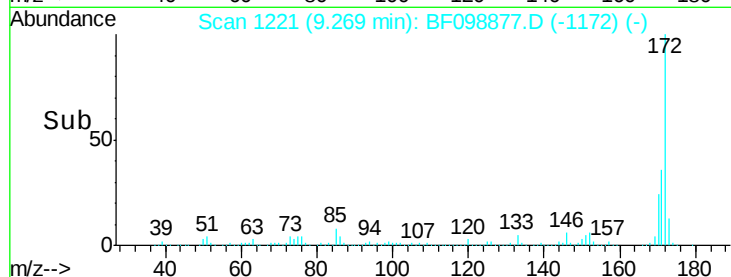
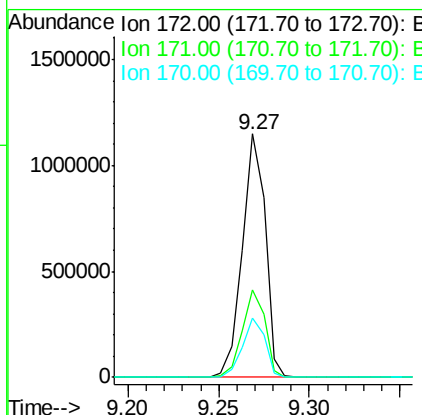
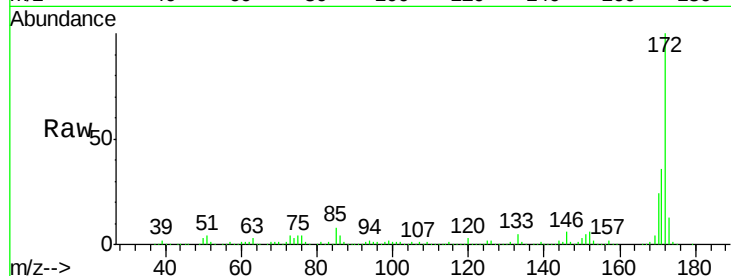


#44
 2-Fluorobiphenyl
 Concen: 60.54 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098877.D
 Acq: 27 Sep 2017 22:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1010876

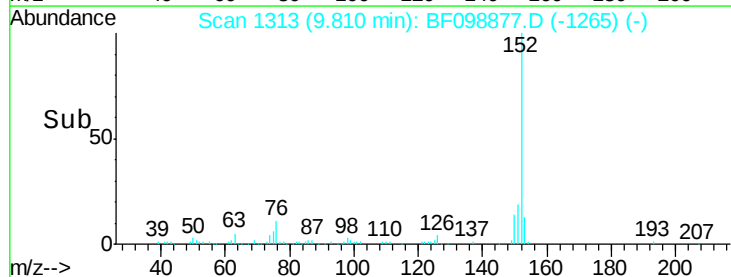
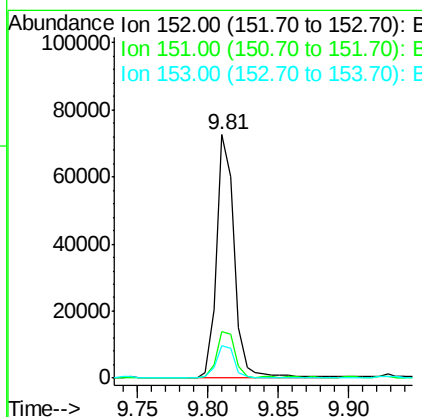
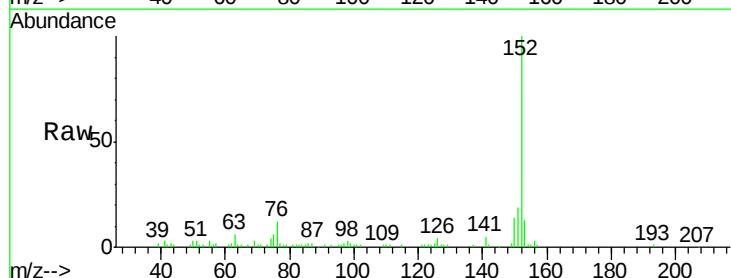
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.2	19.6	29.4

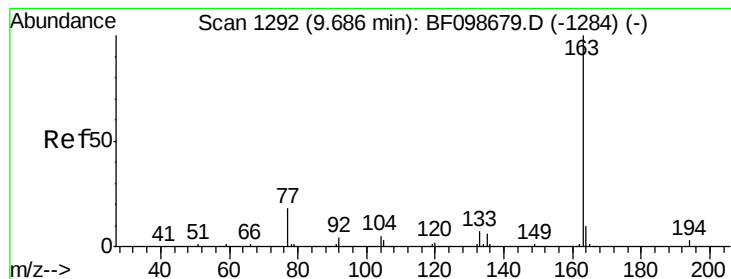


#48
 Acenaphthylene
 Concen: 2.32 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.02 min
 Lab File: BF098877.D
 Acq: 27 Sep 2017 22:00

Tgt Ion:152 Resp: 63894

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.3	24.5
153	13.4	10.7	16.1





#49

Dimethylphthalate

Concen: 7.11 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

Instrument :

BNA_F

ClientSampleId :

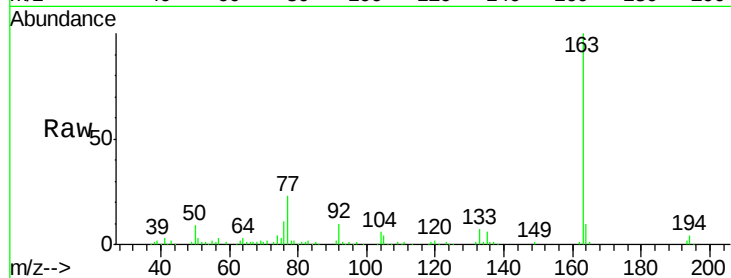
Tot Ion:163 Resp: 149620

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

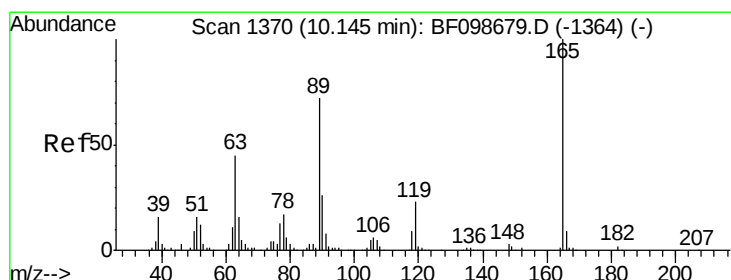
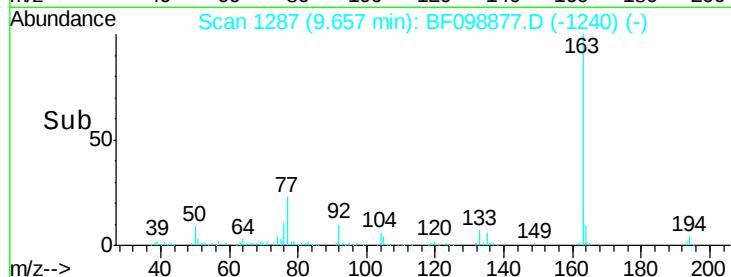
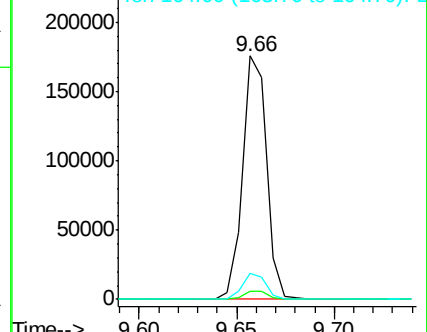
164 10.4 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.33 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

Tgt Ion:165 Resp: 37601

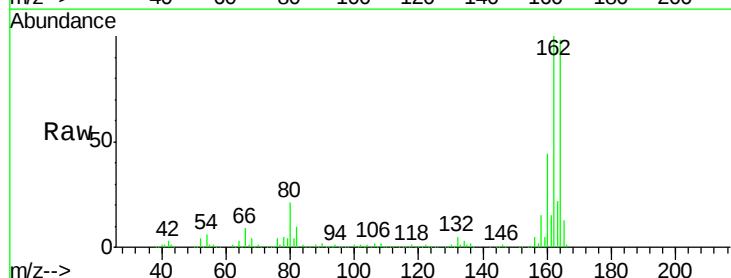
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.2 57.8 86.6#

182 0.0 1.6 2.4#

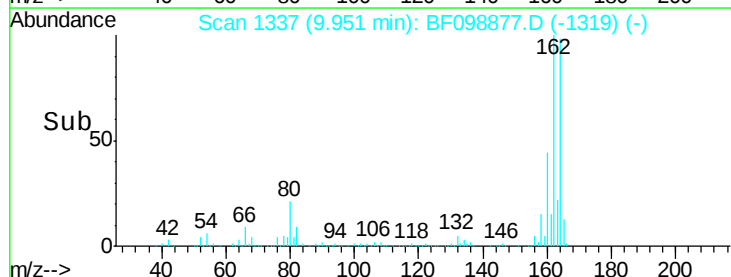
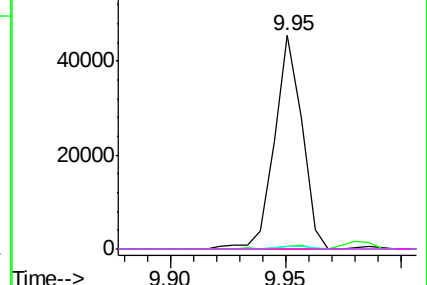


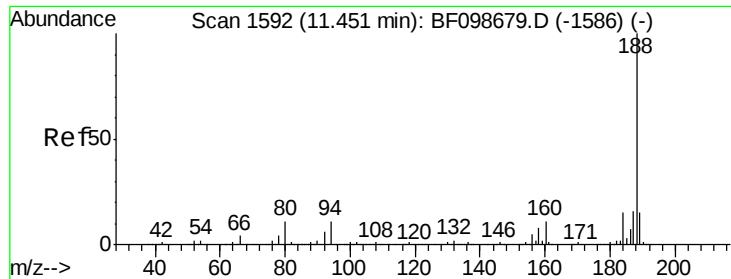
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

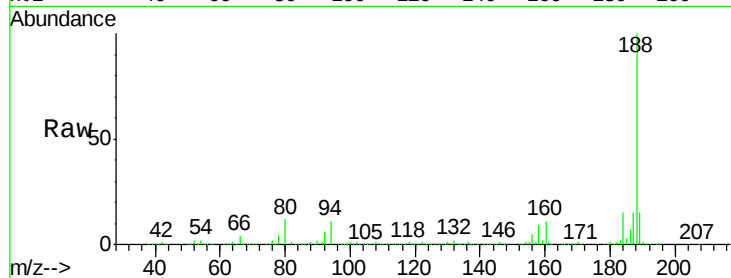




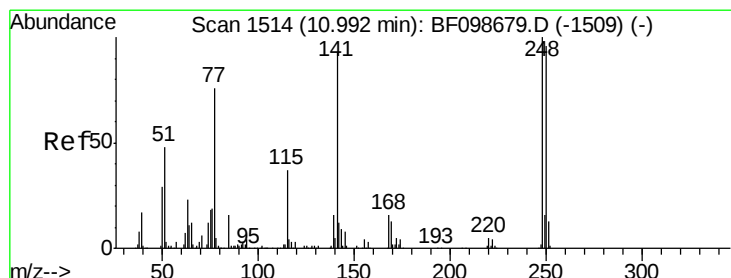
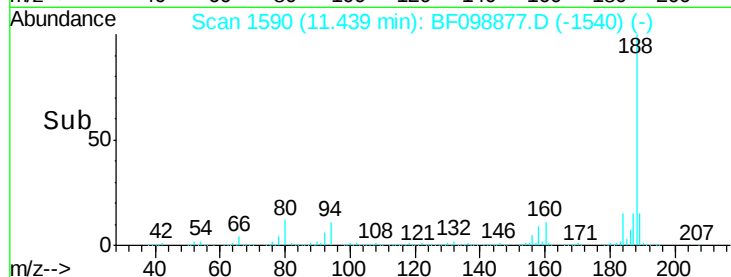
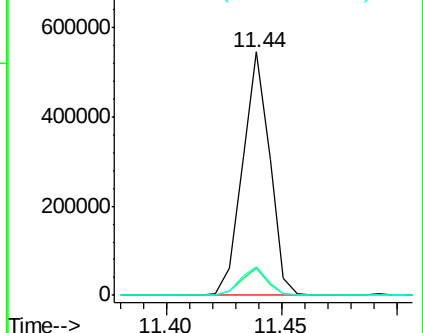
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 449225
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.7 9.2 13.8

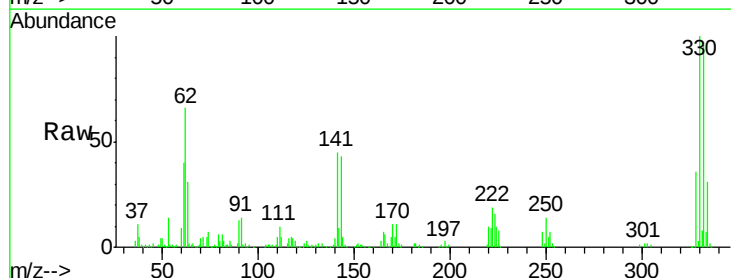


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

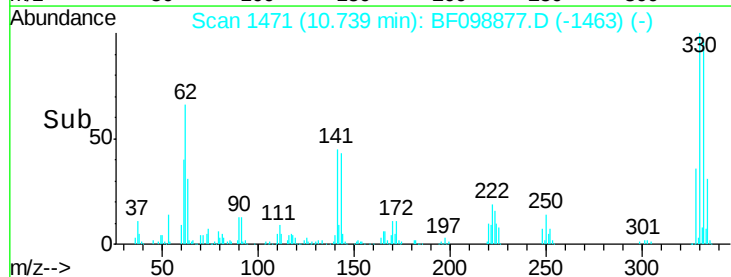
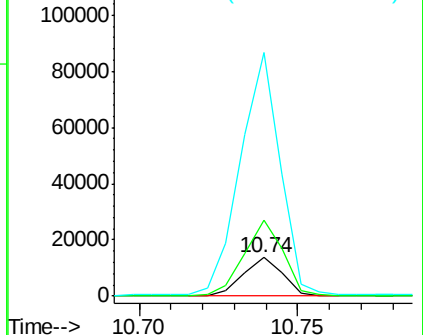


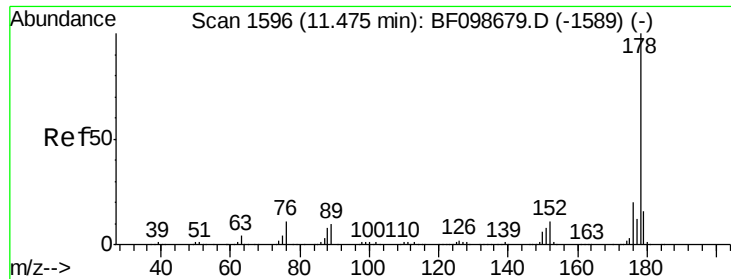
#66
4-Bromophenyl-phenylether
Concen: 2.69 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.25 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

Tgt Ion:248 Resp: 11836
Ion Ratio Lower Upper
248 100
250 195.2 76.9 115.3#
141 630.4 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: 7.93 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

Instrument :

BNA_F

ClientSampleId :

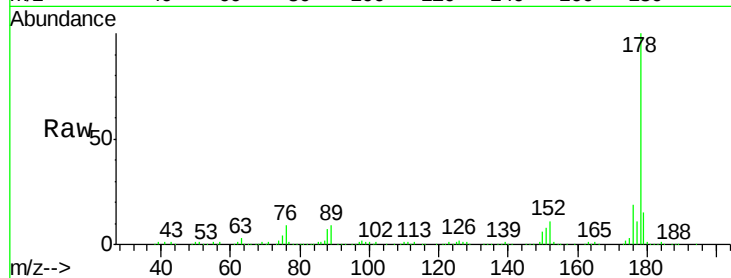
Tot Ion:178 Resp: 190733

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

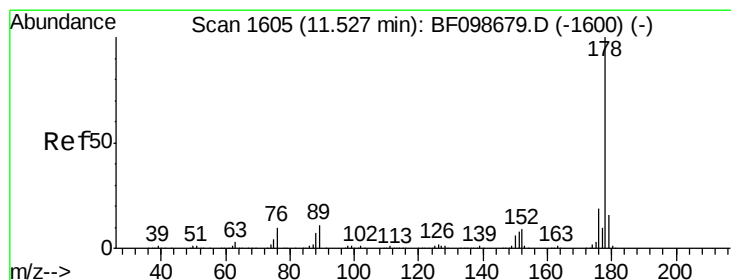
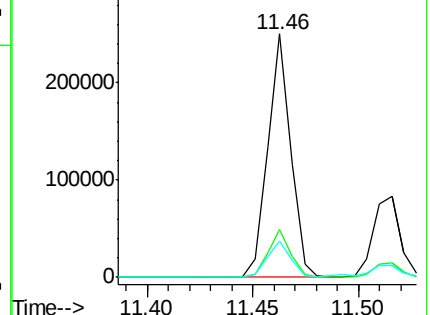
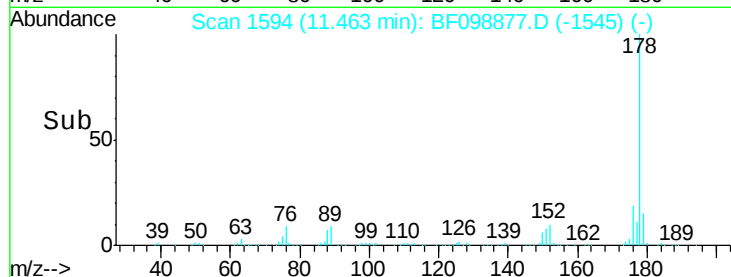
179 15.1 13.0 19.6



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: 2.92 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

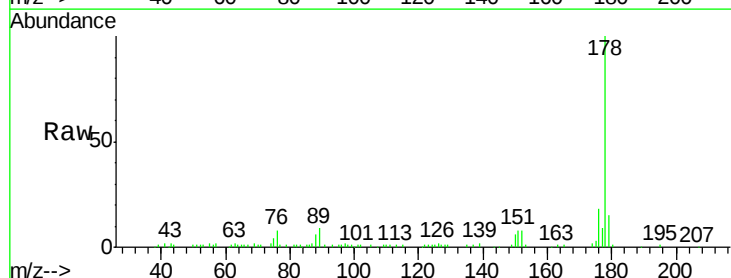
Tgt Ion:178 Resp: 71925

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

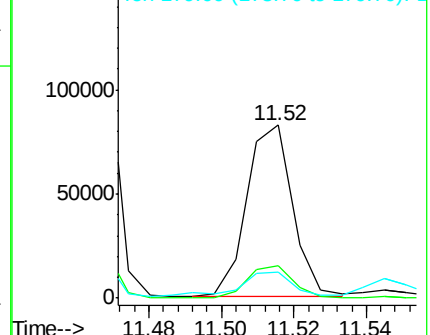
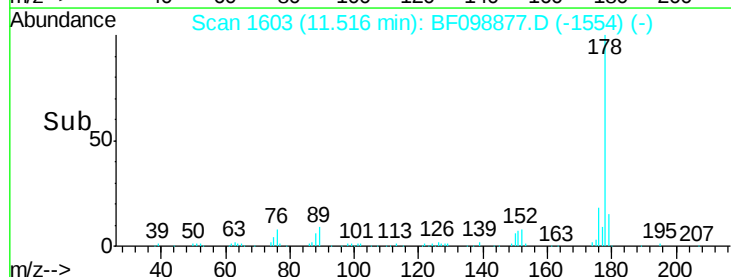
179 15.2 12.6 19.0

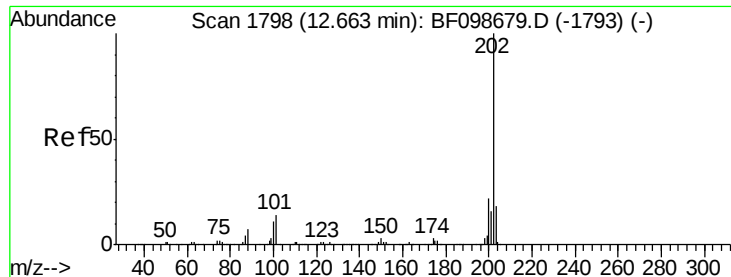


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.61 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

Instrument :

BNA_F

ClientSampleId :

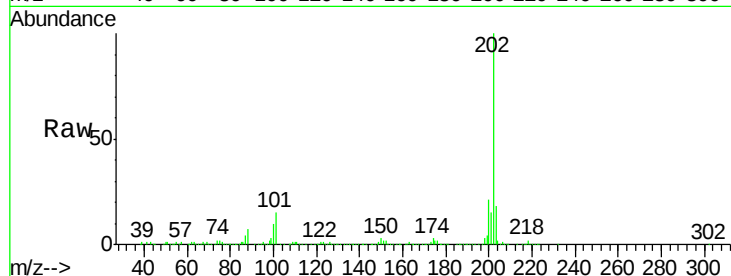
Tot Ion:202 Resp: 355718

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.1

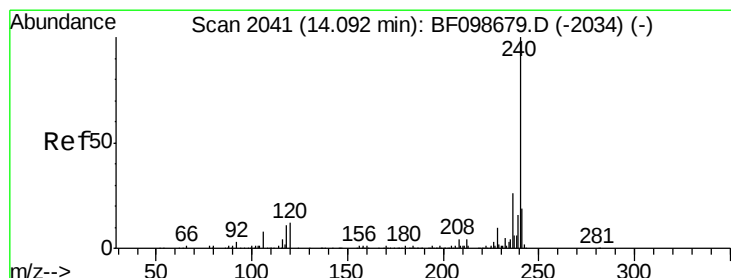
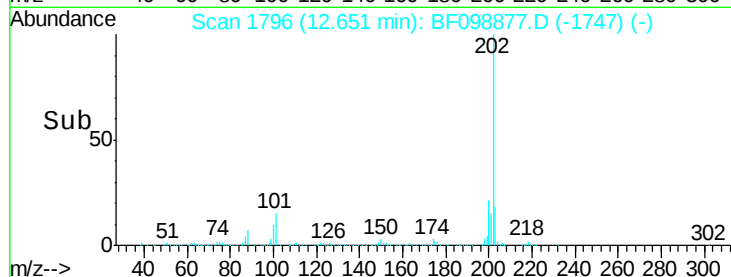
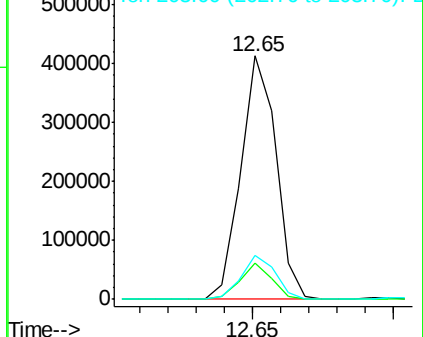
203 18.0 0.0 38.1



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: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

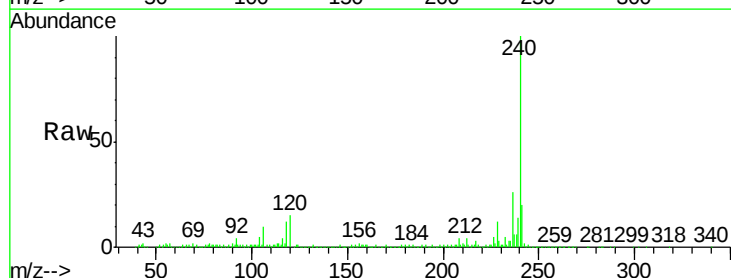
Tgt Ion:240 Resp: 322061

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

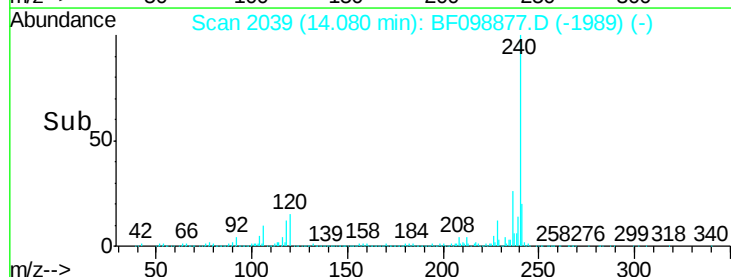
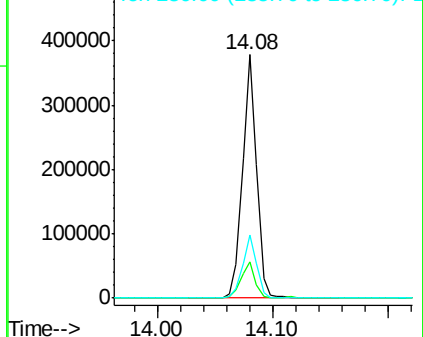
236 25.7 20.7 31.1

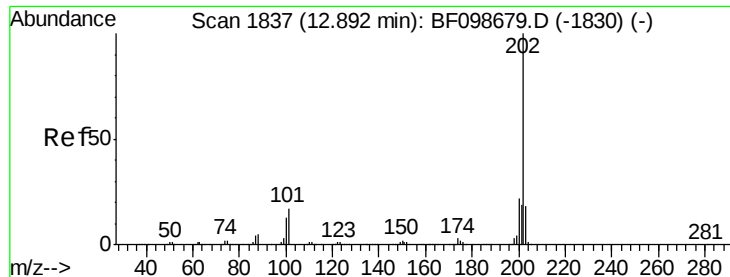


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.78 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

Instrument :

BNA_F

ClientSampleId :

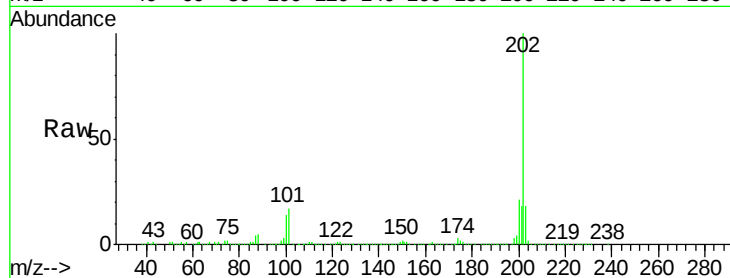
Tot Ion:202 Resp: 436562

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

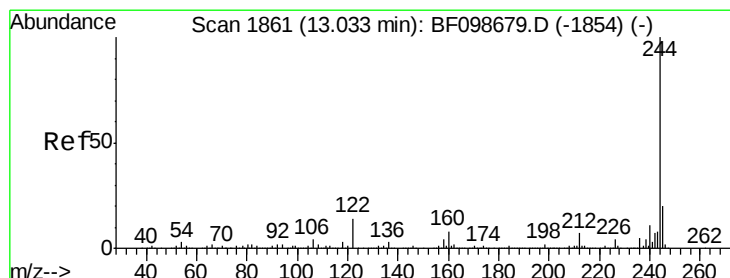
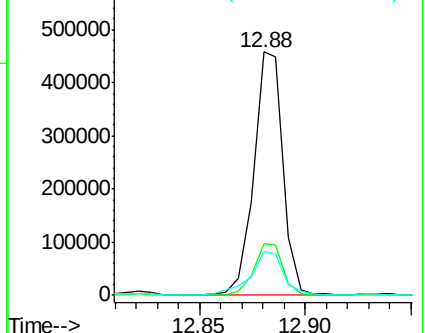
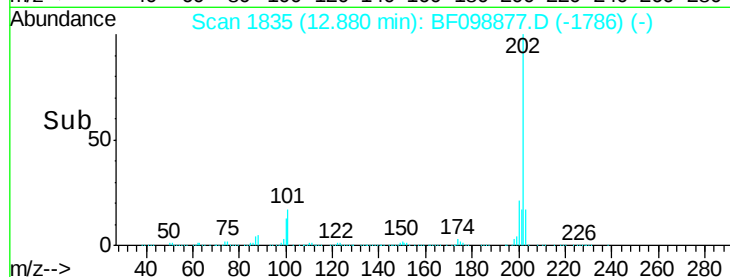
203 18.1 14.3 21.5



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: 52.88 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098877.D

Acq: 27 Sep 2017 22:00

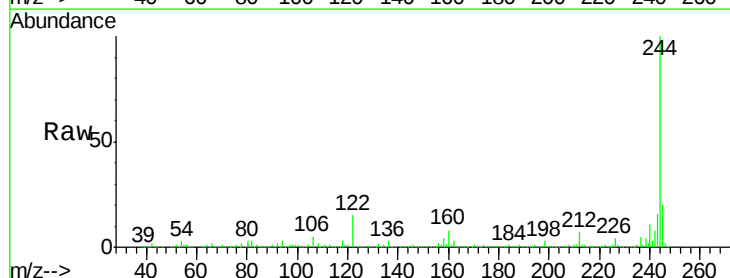
Tgt Ion:244 Resp: 748806

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

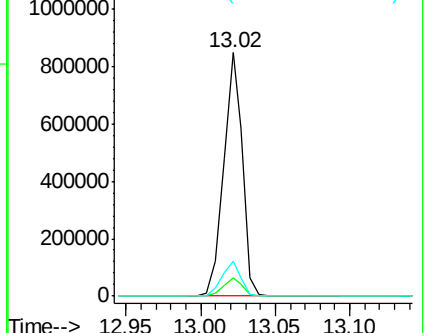
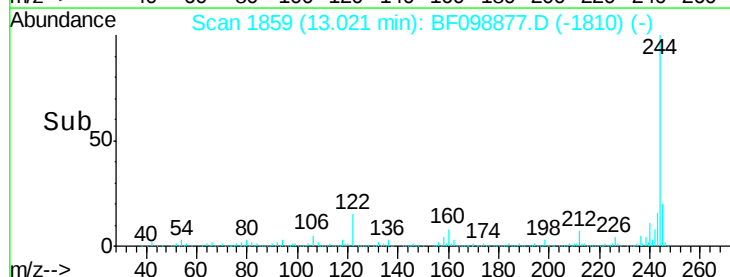
122 14.6 11.0 16.4

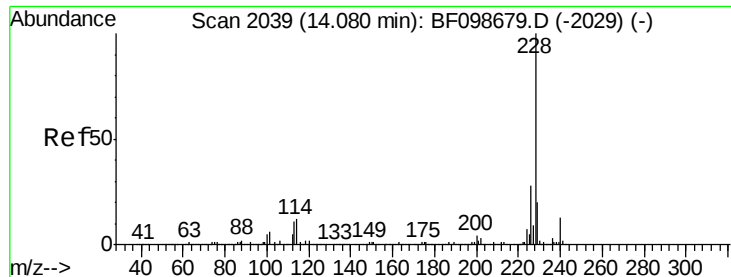


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

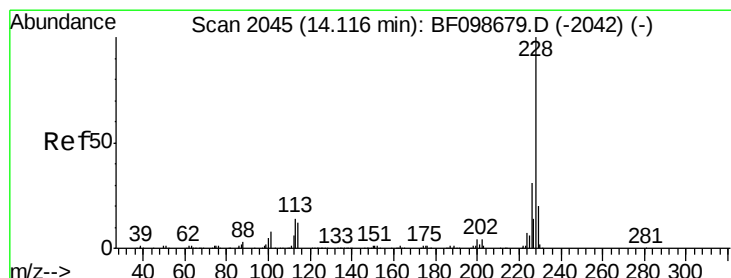
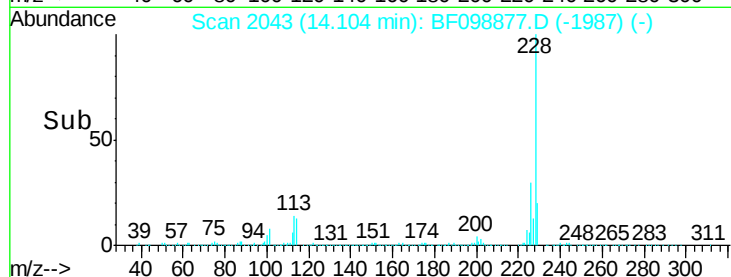
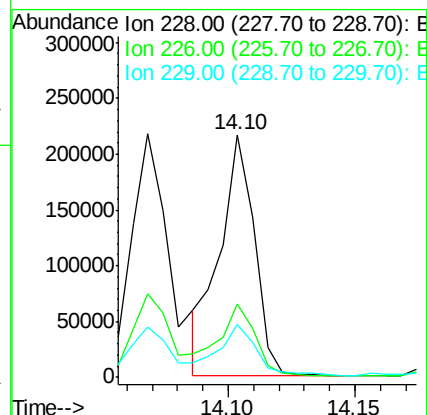
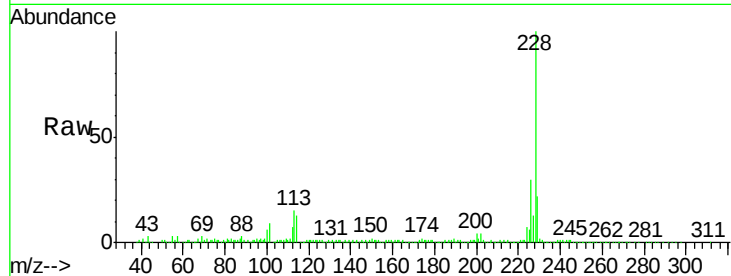




#80
Benzo(a)anthracene
Concen: 10.60 ng
RT: 14.10 min Scan# 2043
Delta R.T. 0.03 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

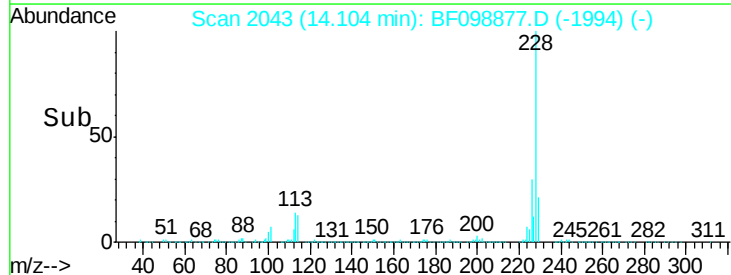
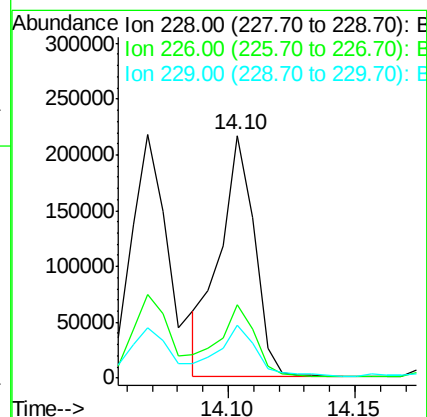
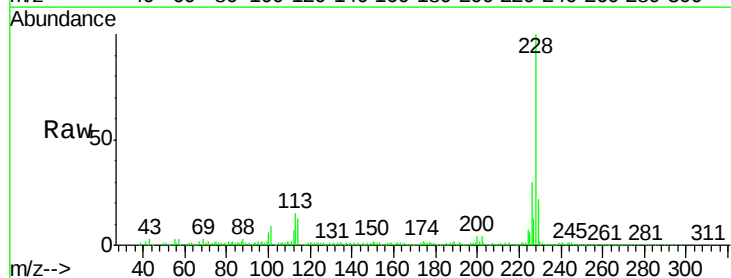
Instrument :
BNA_F
ClientSampled :

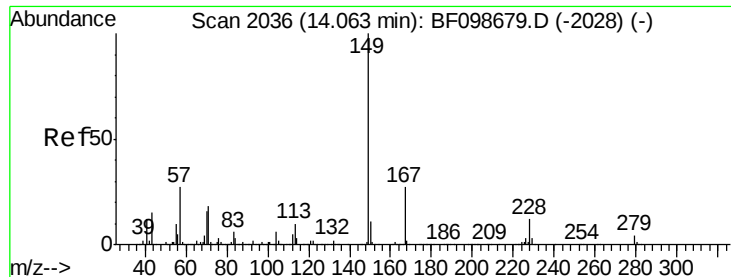
Tot Ion:228 Resp: 206794
Ion Ratio Lower Upper
228 100
226 30.4 22.6 33.8
229 21.7 15.8 23.6



#82
Chrysene
Concen: 11.14 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

Tgt Ion:228 Resp: 206794
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 21.7 16.2 24.4

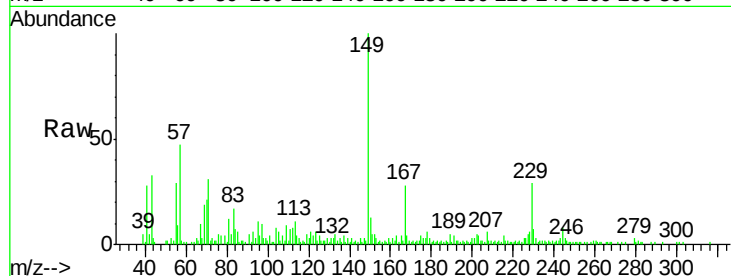




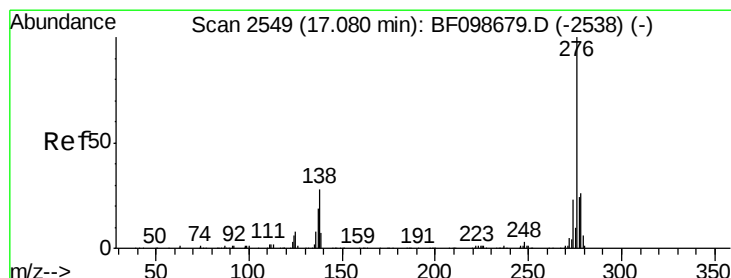
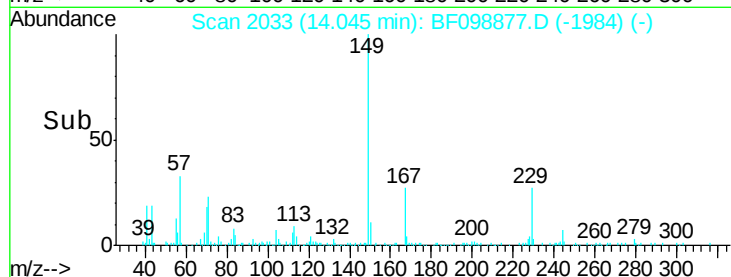
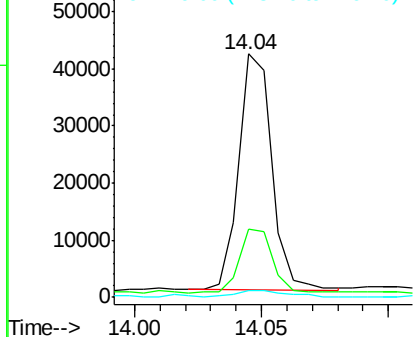
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.34 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.3	31.9
279	3.0	3.0	4.4

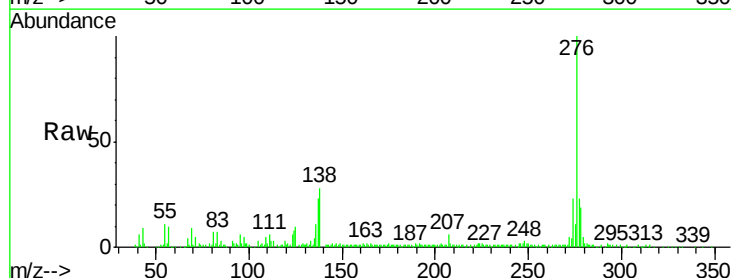


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

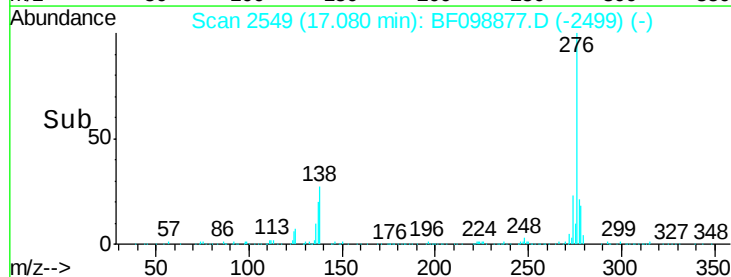
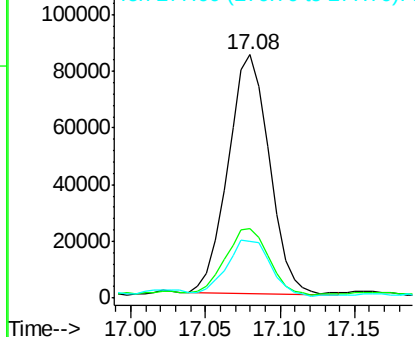


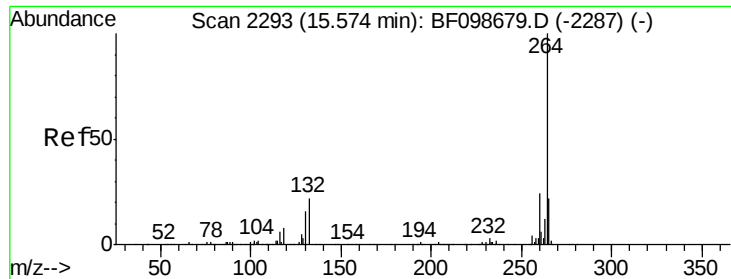
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.98 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.1	25.0	37.6
277	24.7	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

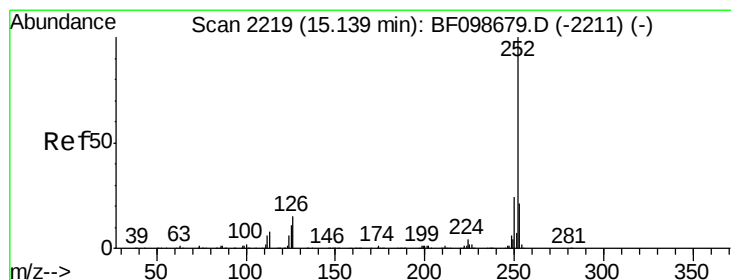
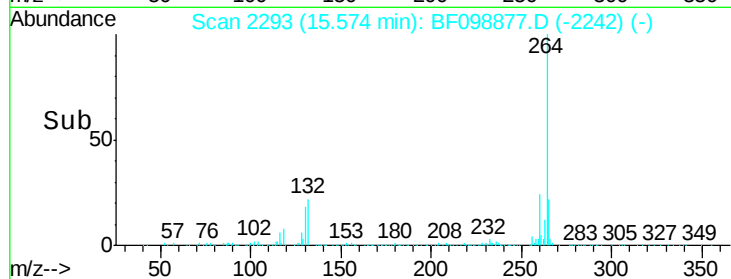
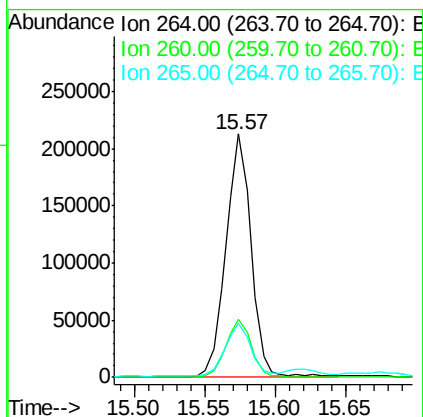
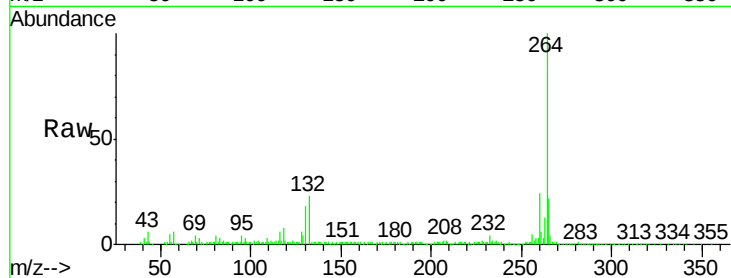




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

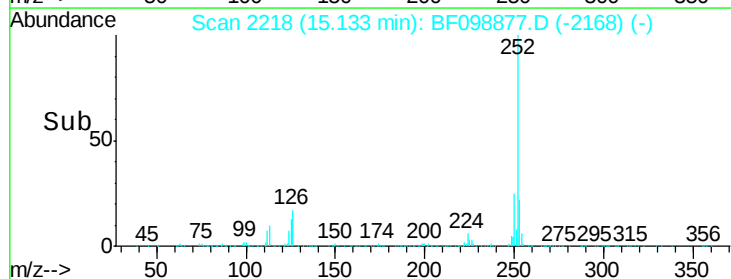
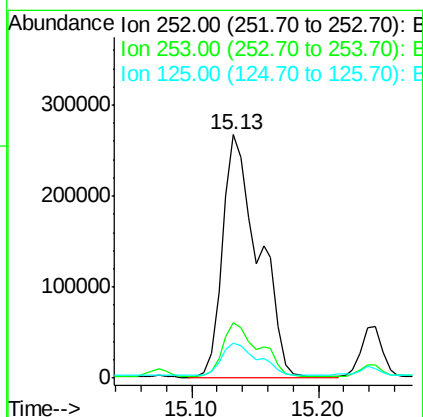
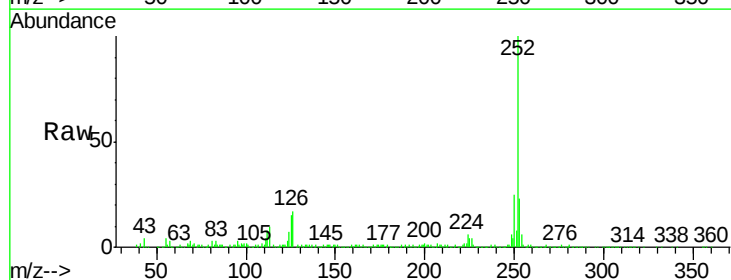
Instrument :
BNA_F
ClientSampleId :

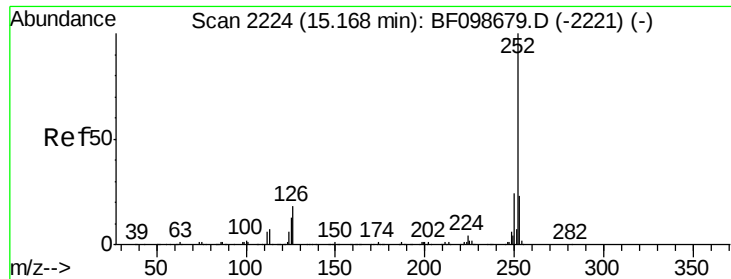
Tot Ion:264 Resp: 261476
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 32.76 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

Tgt Ion:252 Resp: 526727
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 14.6 9.0 13.6#

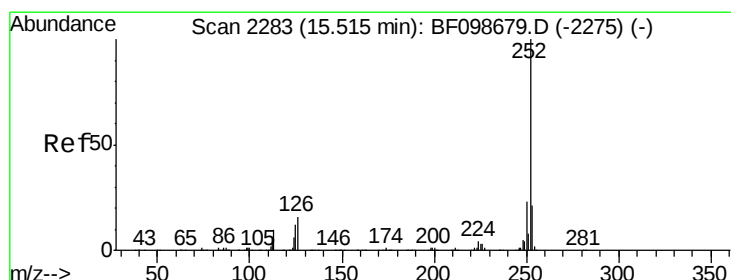
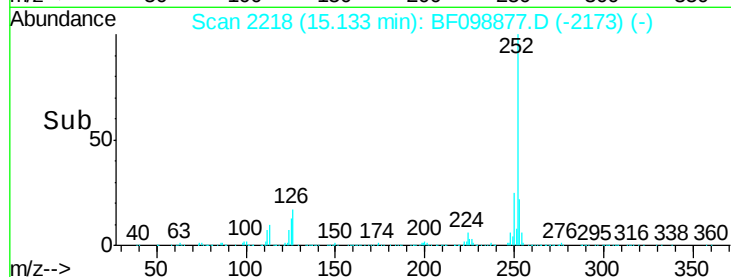
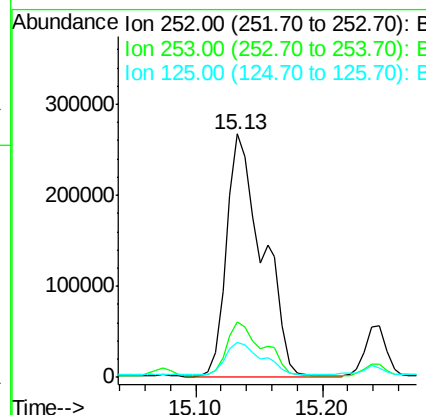
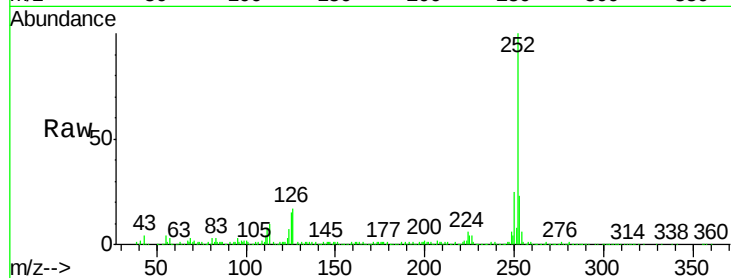




#88
Benzo(k)fluoranthene
Concen: 33.17 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

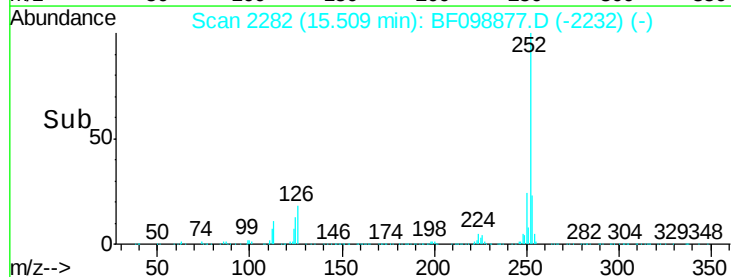
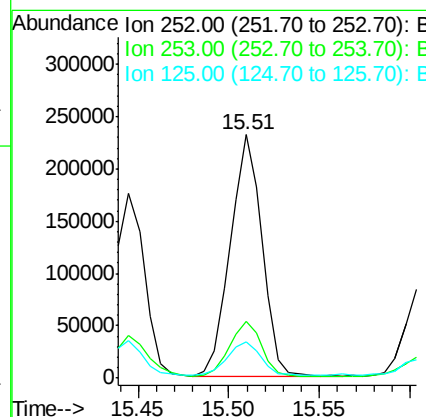
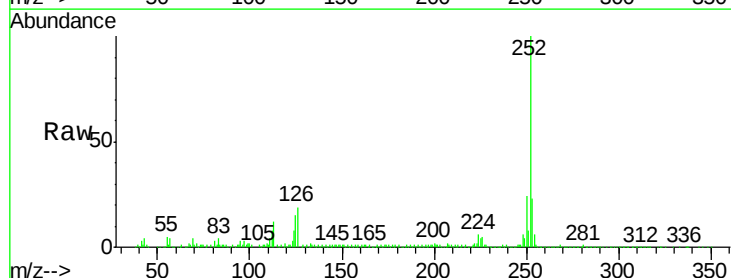
Instrument :
BNA_F
ClientSampleId :

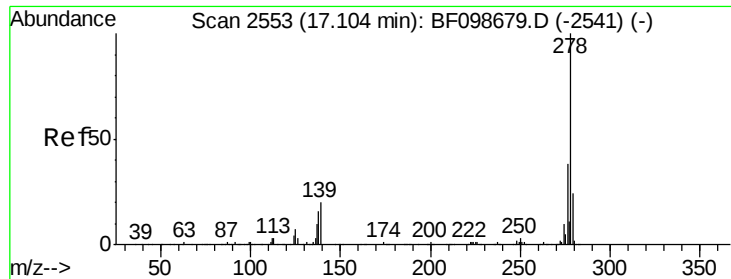
Tot Ion:252 Resp: 526727
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 14.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 19.14 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

Tgt Ion:252 Resp: 282506
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 15.1 9.8 14.6#

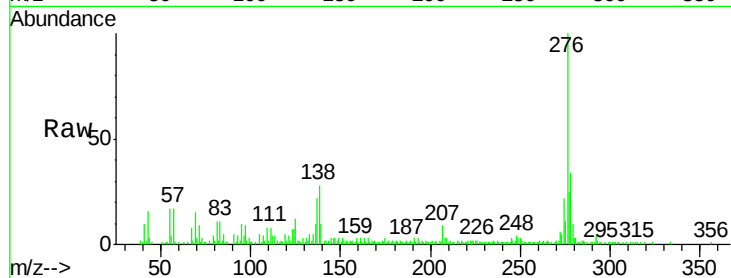




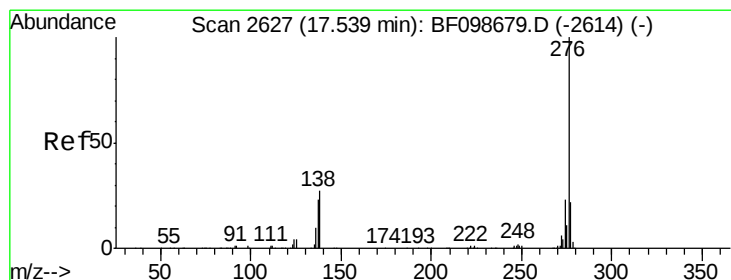
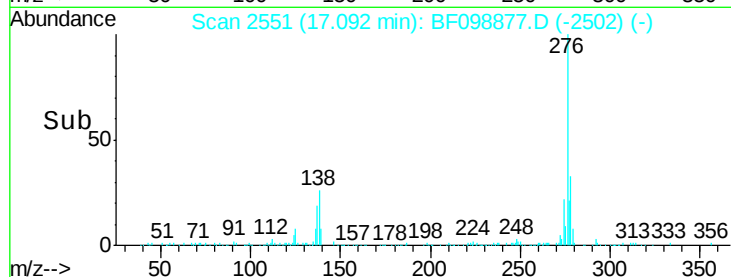
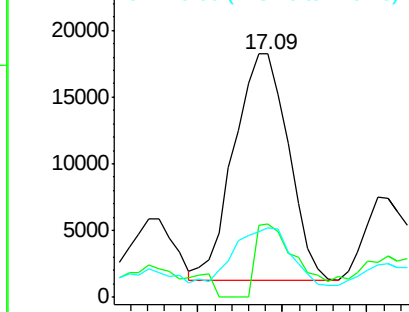
#90
Dibenzo(a,h)anthracene
Concen: 3.21 ng
RT: 17.09 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 37926
Ion Ratio Lower Upper
278 100
139 30.0 15.9 23.9#
279 28.7 19.0 28.4#

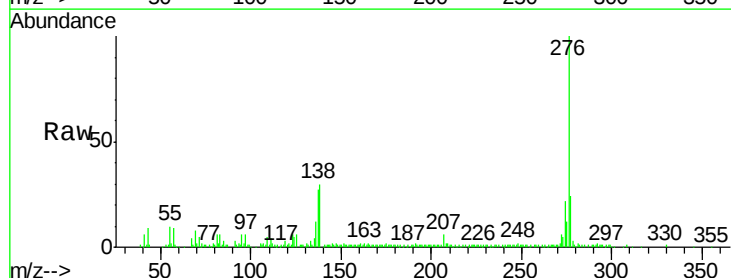


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 14.39 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.01 min
Lab File: BF098877.D
Acq: 27 Sep 2017 22:00

Tgt Ion:276 Resp: 168039
Ion Ratio Lower Upper
276 100
277 24.3 17.9 26.9
138 30.5 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

