

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098883.D
 Acq On : 28 Sep 2017 00:48
 Operator : SJ/JU
 Sample : I5249-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:56:30 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	127335	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	511154	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	204763	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	314143	20.00	ng	0.00
75) Chrysene-d12	14.08	240	262841	20.00	ng	0.00
86) Perylene-d12	15.57	264	203678	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	973050	121.65	ng	0.00
7) Phenol-d6	6.54	99	1190190	120.62	ng	0.00
23) Nitrobenzene-d5	7.47	82	689448	86.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	171226	102.19	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	916135	74.69	ng	-0.01
78) Terphenyl-d14	13.02	244	667523	57.76	ng	-0.01

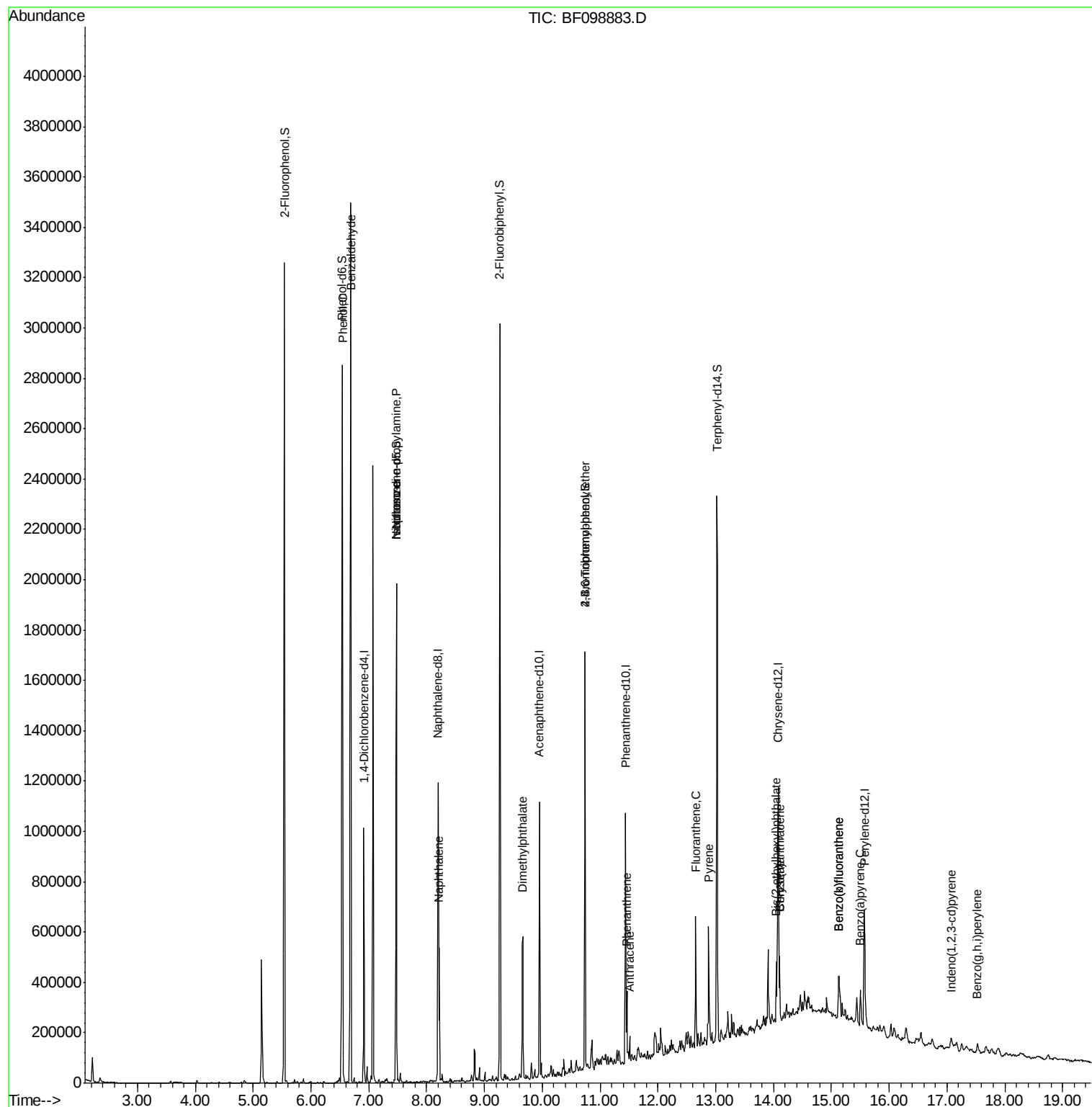
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.69	77	21289	3.72	ng	86
10) Phenol	6.55	94	37142	3.37	ng	93
19) n-Nitroso-di-n-propylamine	7.47	70	93969	14.92	ng	# 78
25) Isophorone	7.47	82	687036	41.69	ng	# 64
31) Naphthalene	8.22	128	219422	9.14	ng	99
49) Dimethylphthalate	9.66	163	220435	14.26	ng	98
66) 4-Bromophenyl-phenylether	10.74	248	11428	3.72	ng	# 1
70) Phenanthrene	11.46	178	84760	5.04	ng	98
71) Anthracene	11.52	178	38451	2.23	ng	97
74) Fluoranthene	12.65	202	190167	11.17	ng	99
77) Pyrene	12.88	202	181285	9.04	ng	99
80) Benzo(a)anthracene	14.10	228	86829	5.46	ng	95
82) Chrysene	14.10	228	86829	5.73	ng	96
83) Bis(2-ethylhexyl)phthalate	14.05	149	66136	5.10	ng	100
85) Indeno(1,2,3-cd)pyrene	17.07	276	26194	2.16	ng	# 94
87) Benzo(b)fluoranthene	15.13	252	121027	9.66	ng	# 92
88) Benzo(k)fluoranthene	15.13	252	121027	9.78	ng	# 94
89) Benzo(a)pyrene	15.50	252	62071	5.40	ng	# 90
91) Benzo(a,h,i)perylene	17.53	276	28557	3.14	ng	94

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

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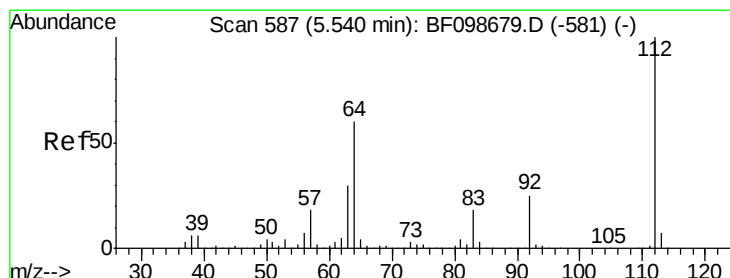
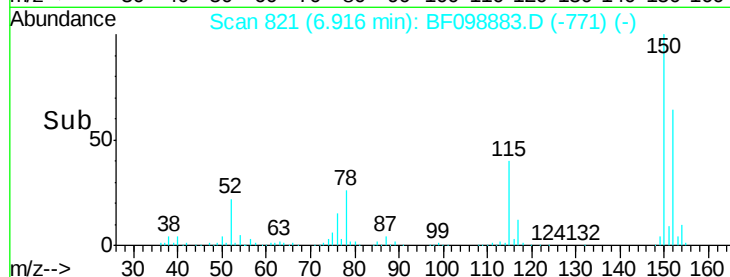
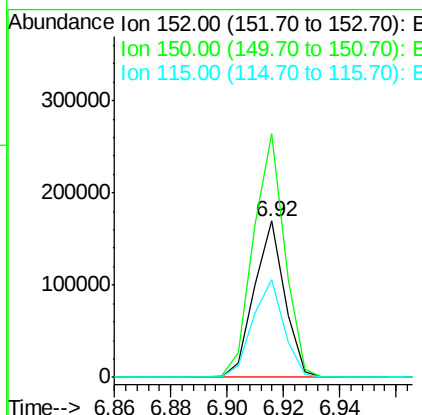
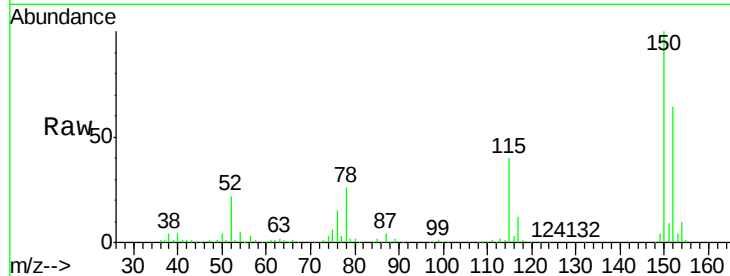


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BF098883.D
 Acq: 28 Sep 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :

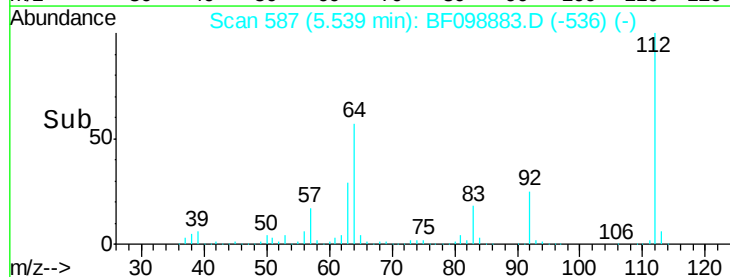
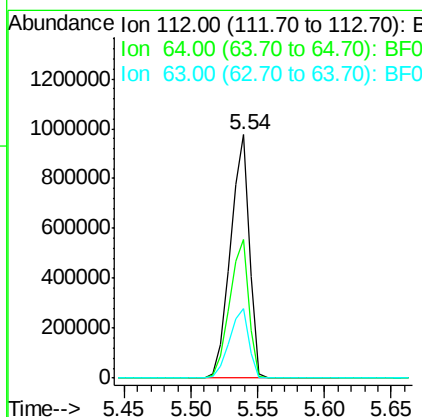
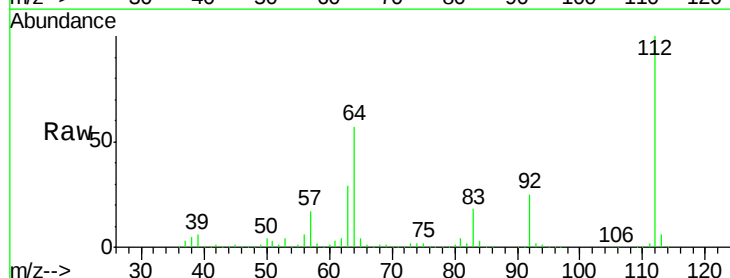
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	62.6	50.1	75.1



#5

2-Fluorophenol
 Concen: 121.65 ng
 RT: 5.54 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: BF098883.D
 Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 120.62 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

ClientSampled :

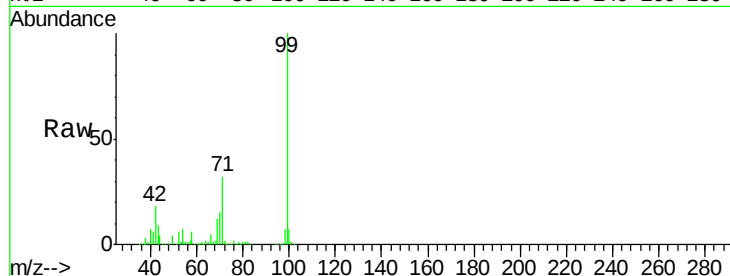
Tot Ion: 99 Resp: 1190190

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

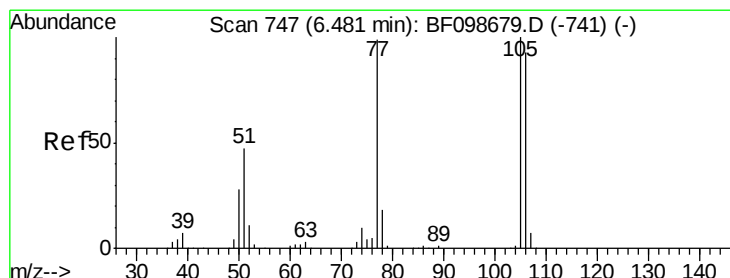
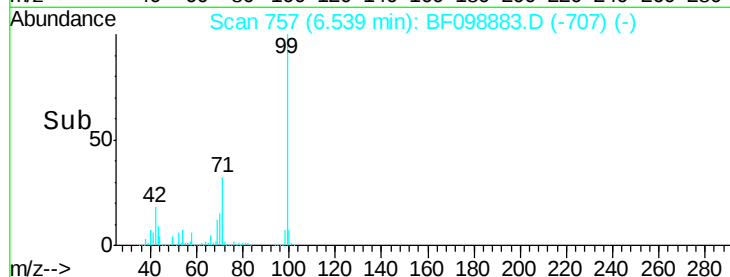
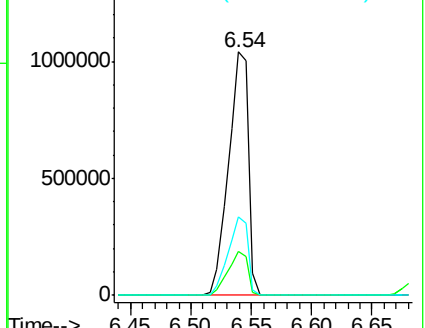
71 32.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.72 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

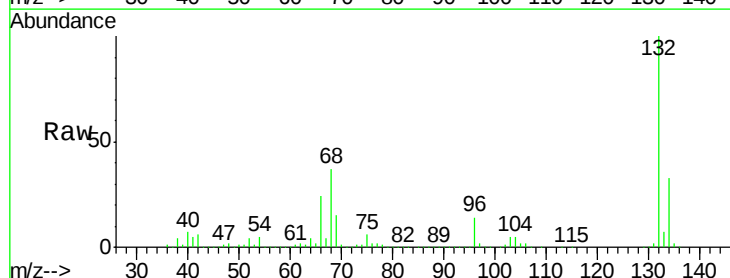
Tgt Ion: 77 Resp: 21289

Ion Ratio Lower Upper

77 100

105 90.8 81.1 121.1

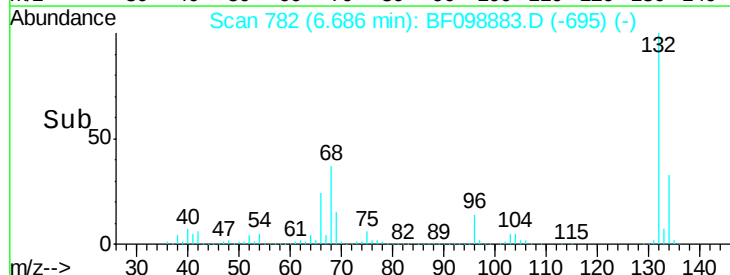
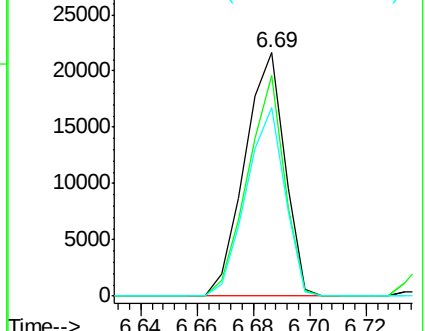
106 77.5 74.5 114.5

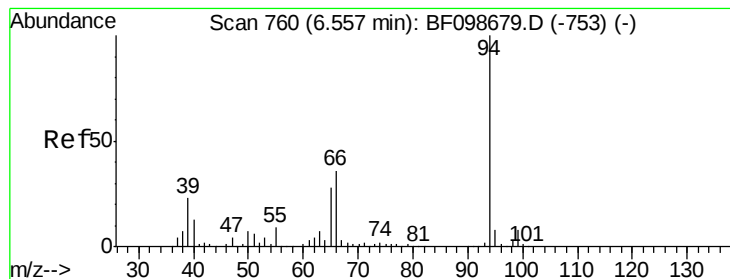


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.37 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

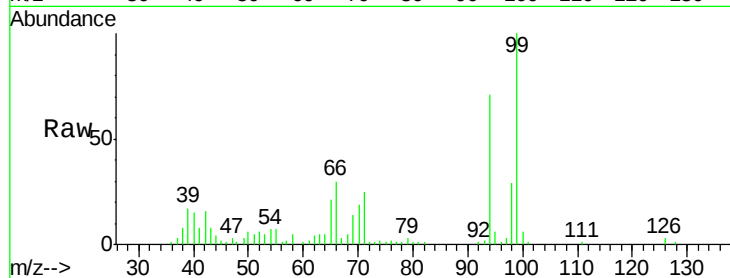
Tot Ion: 94 Resp: 37142

Ion Ratio Lower Upper

94 100

65 29.5 7.9 47.9

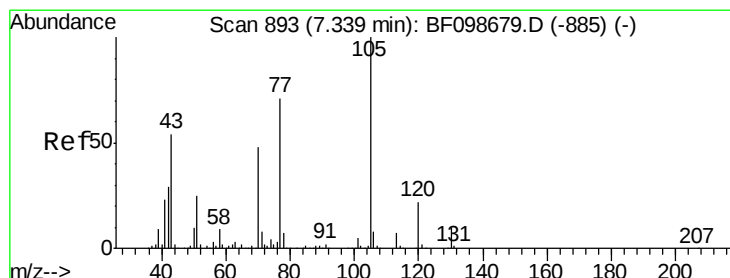
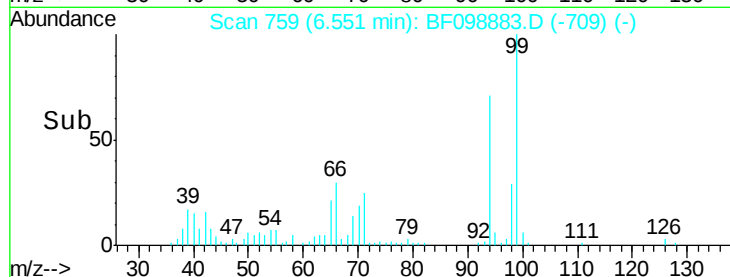
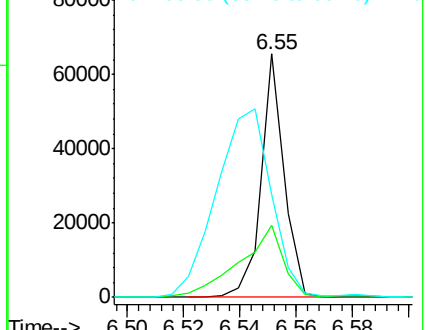
66 42.5 16.2 56.2



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: 14.92 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Tgt Ion: 70 Resp: 93969

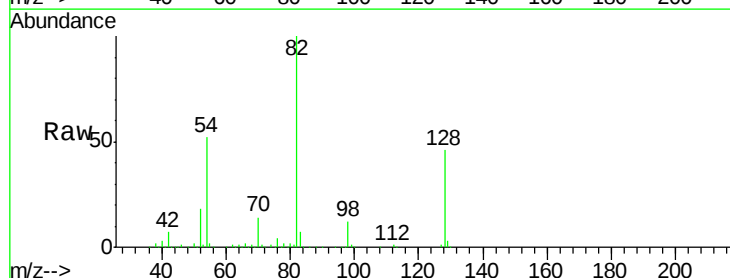
Ion Ratio Lower Upper

70 100

42 47.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

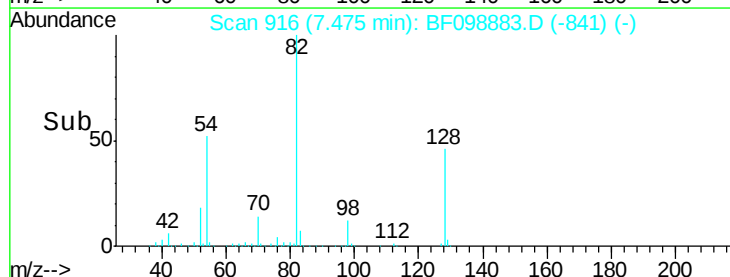
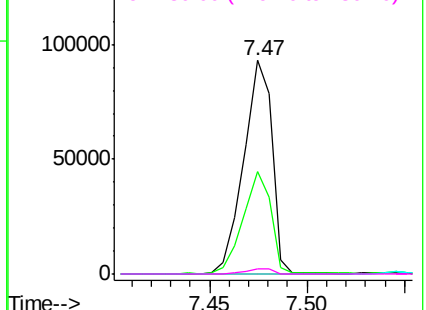


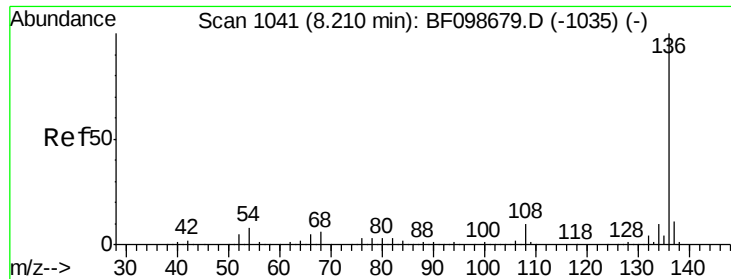
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

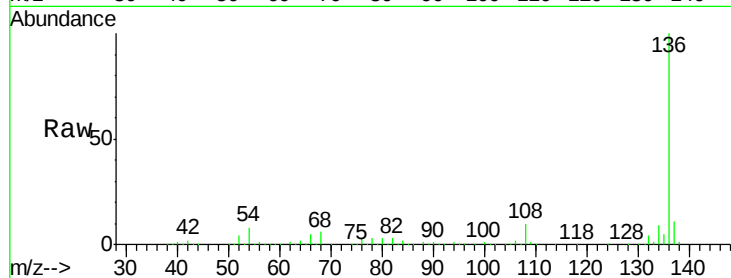




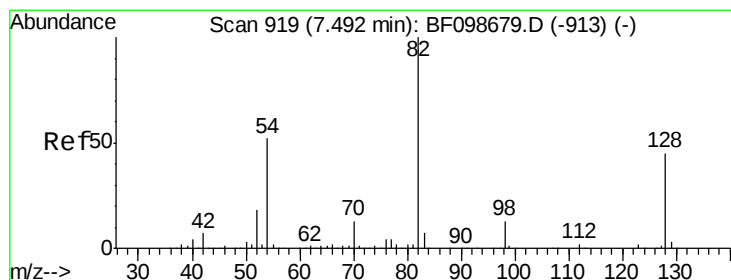
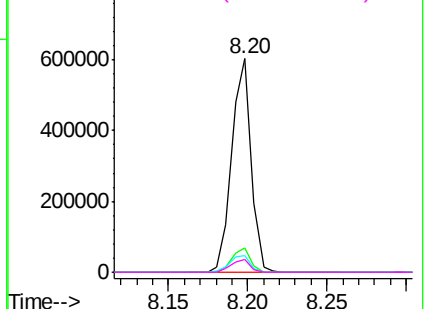
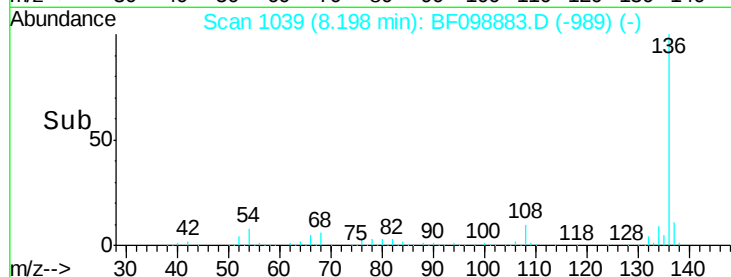
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	511154
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	7.6	6.6 9.8
68	5.9	5.0 7.4

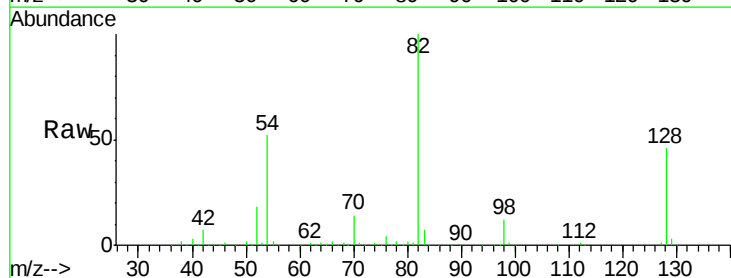


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

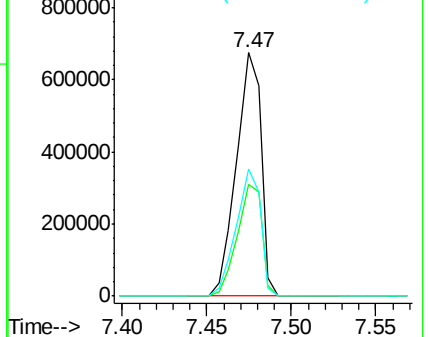
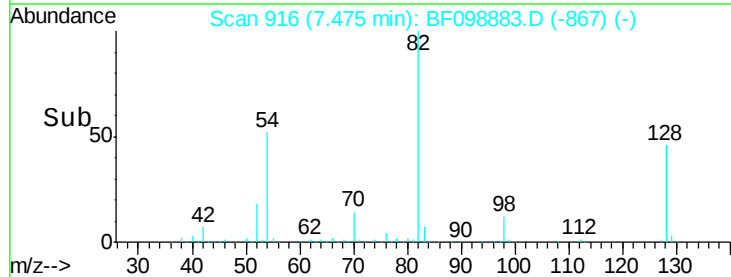


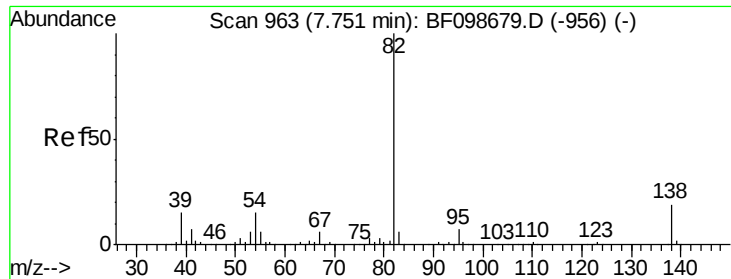
#23
Nitrobenzene-d5
Concen: 86.50 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion: 82	Resp:	689448
Ion	Ratio	Lower Upper
82	100	
128	45.7	36.1 54.1
54	52.3	41.4 62.2



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





#25

Isophorone

Concen: 41.69 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

ClientSampled :

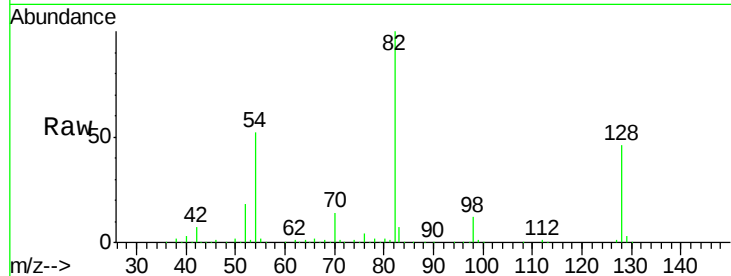
Tot Ion: 82 Resp: 687036

Ion Ratio Lower Upper

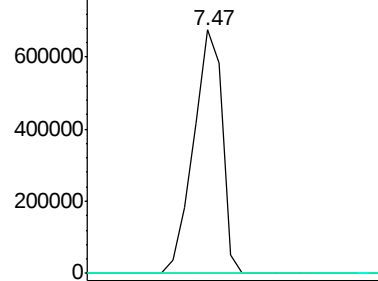
82 100

95 0.0 5.2 7.8#

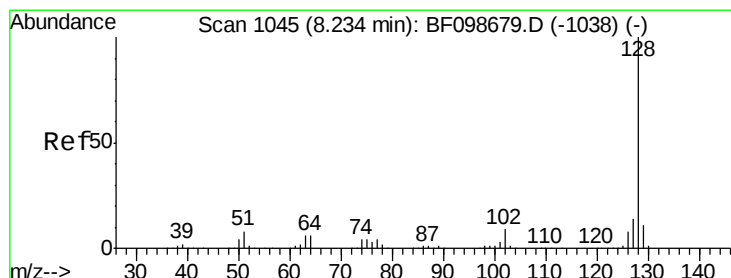
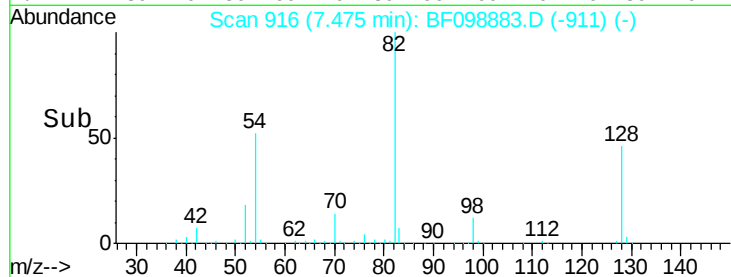
138 0.0 14.9 22.3#



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): E



Time-->



#31

Naphthalene

Concen: 9.14 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

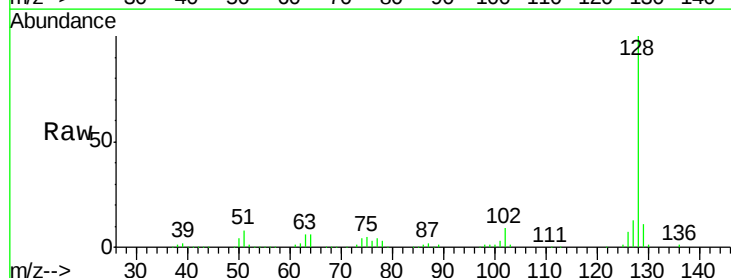
Tgt Ion: 128 Resp: 219422

Ion Ratio Lower Upper

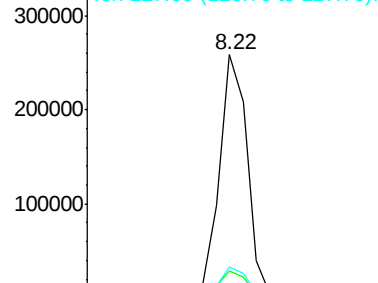
128 100

129 11.1 8.8 13.2

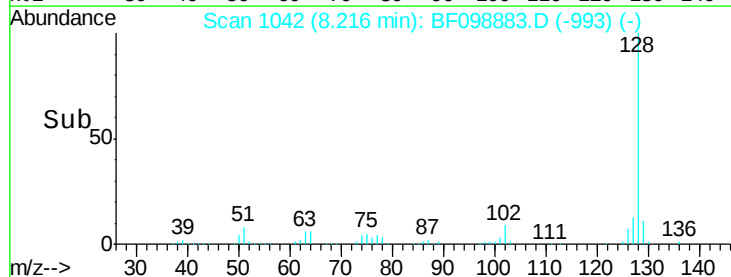
127 12.9 10.9 16.3

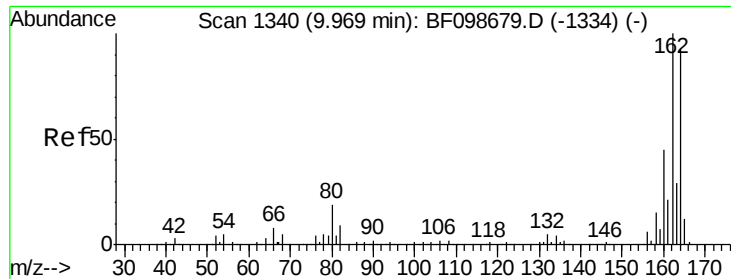


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->

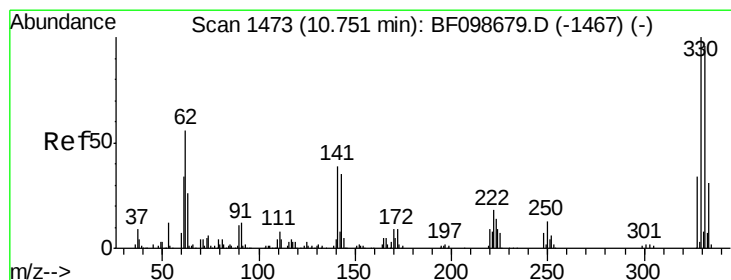
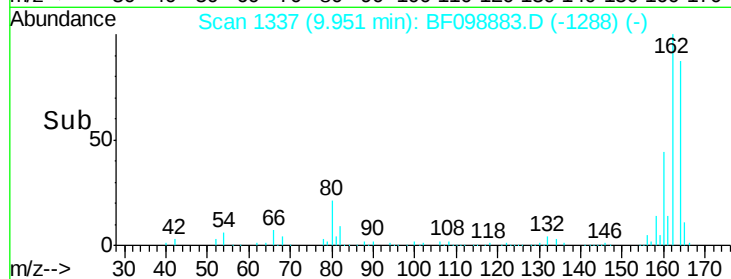
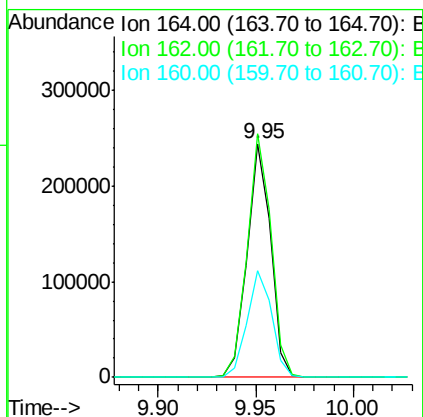
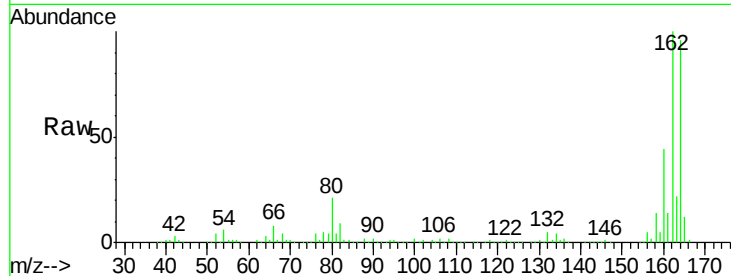




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

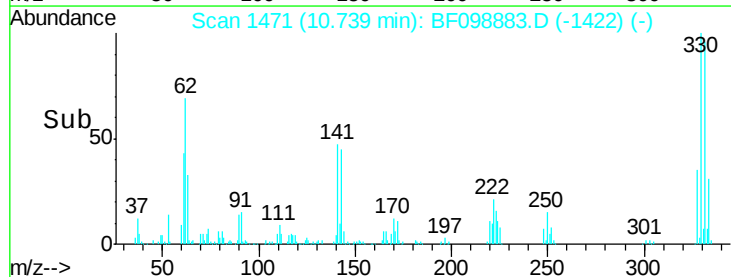
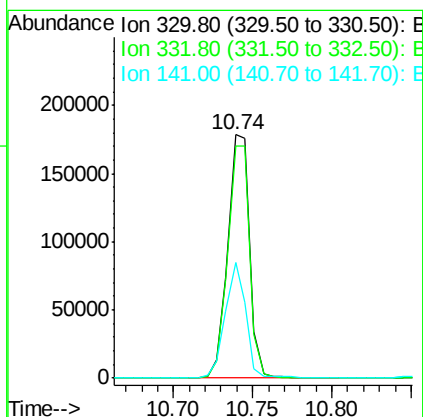
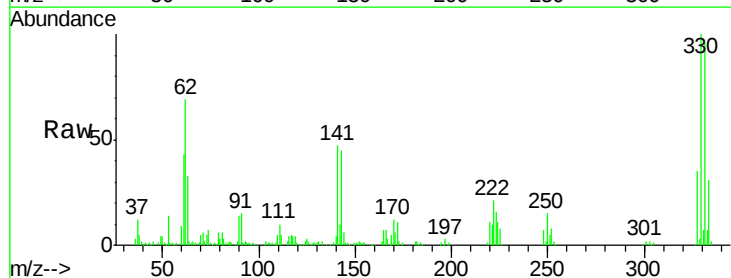
Instrument :
BNA_F
ClientSampleId :

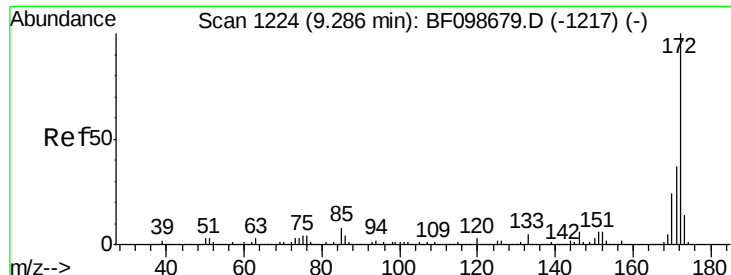
Tot Ion:164 Resp: 204763
Ion Ratio Lower Upper
164 100
162 104.3 86.1 129.1
160 45.9 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 102.19 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion:330 Resp: 171226
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 43.5 29.9 44.9

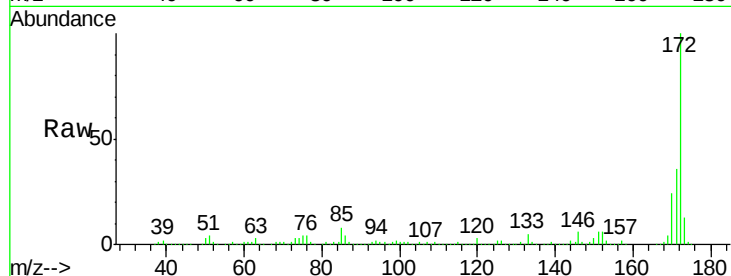




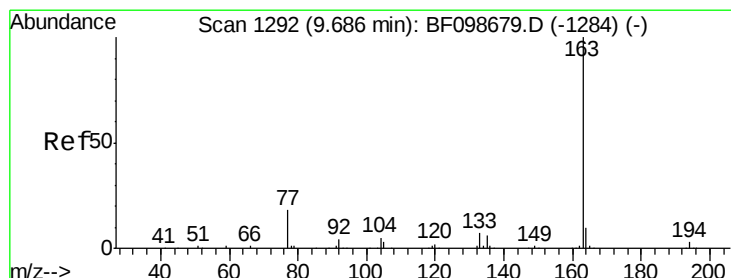
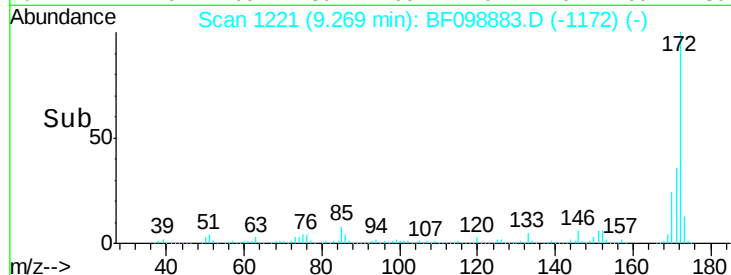
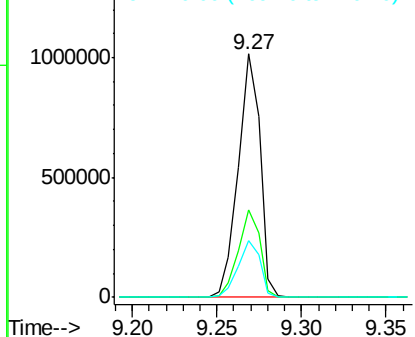
#44
2-Fluorobiphenyl
Concen: 74.69 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.5	19.6	29.4

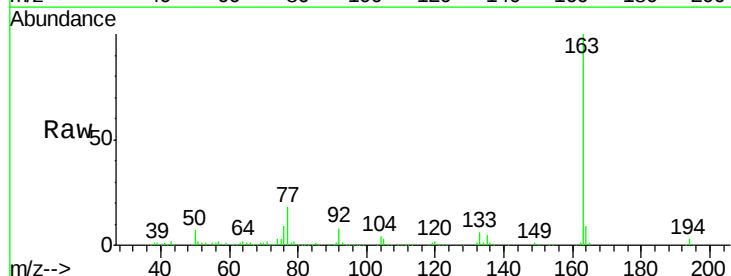


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

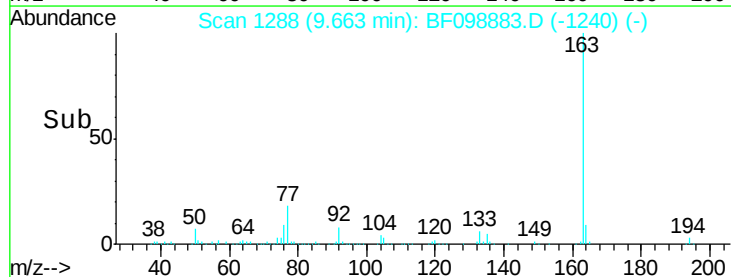
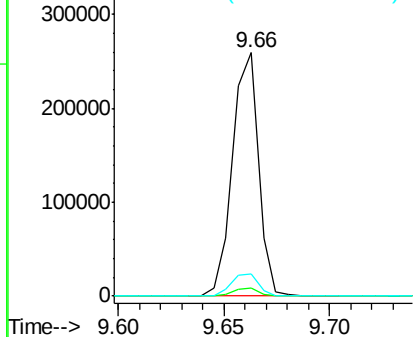


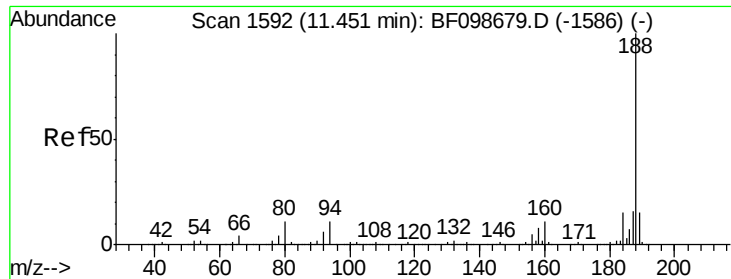
#49
Dimethylphthalate
Concen: 14.26 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	9.3	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

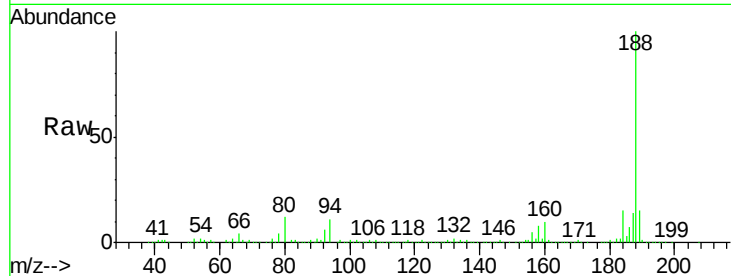




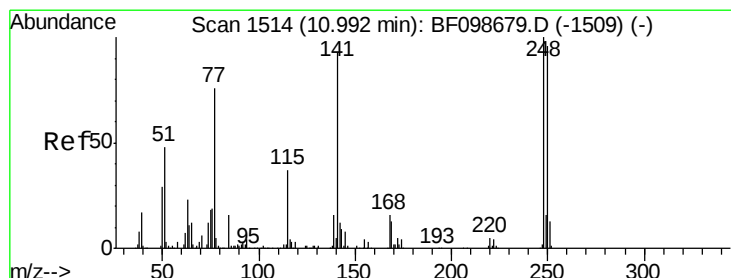
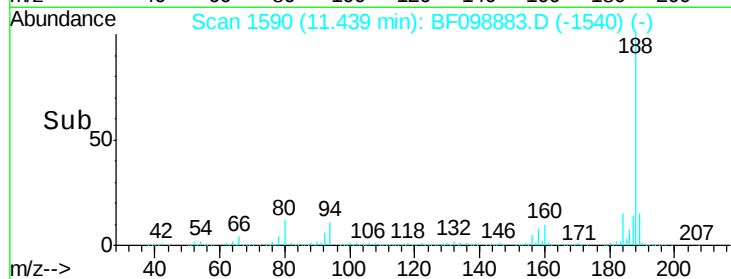
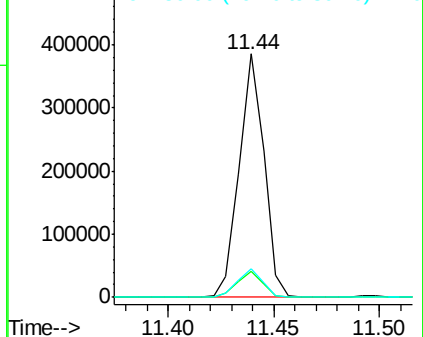
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 314143
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.8 9.2 13.8

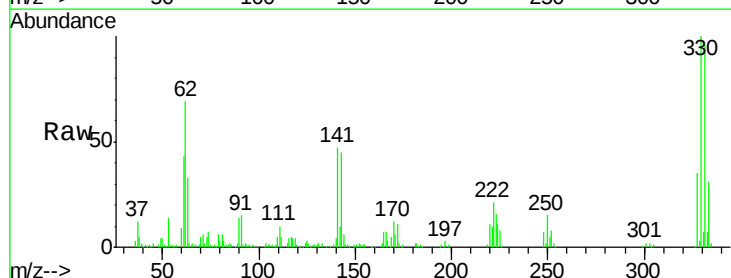


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

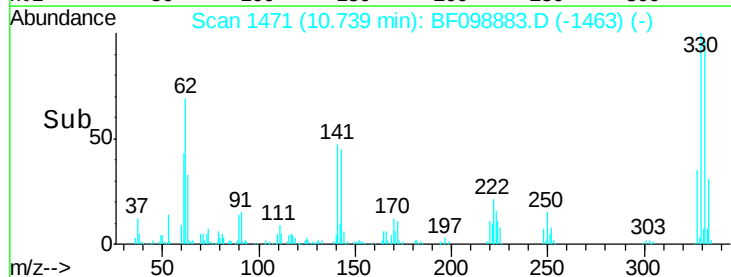
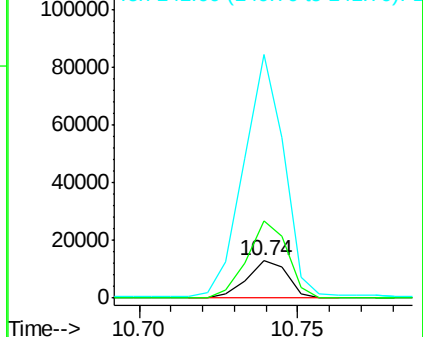


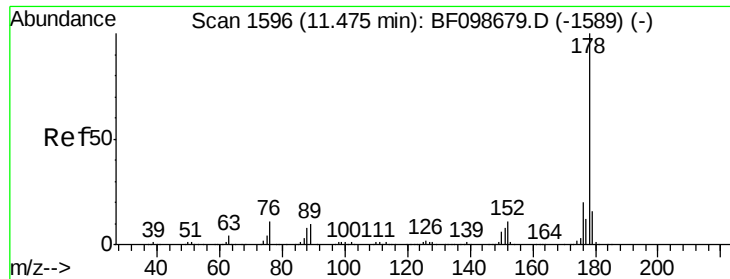
#66
4-Bromophenyl-phenylether
Concen: 3.72 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.25 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion:248 Resp: 11428
Ion Ratio Lower Upper
248 100
250 204.9 76.9 115.3#
141 649.4 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: 5.04 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

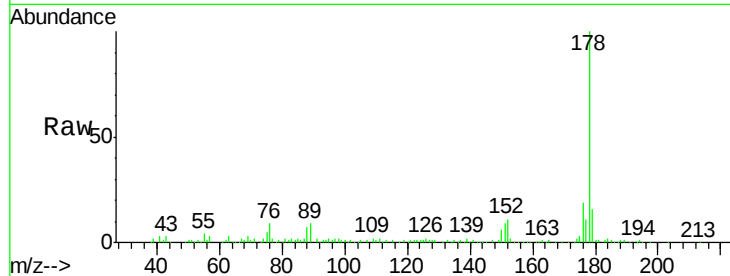
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 84760

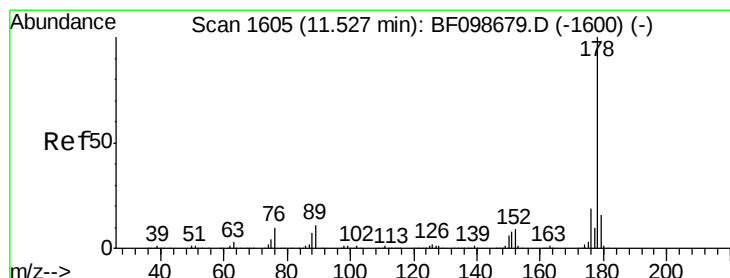
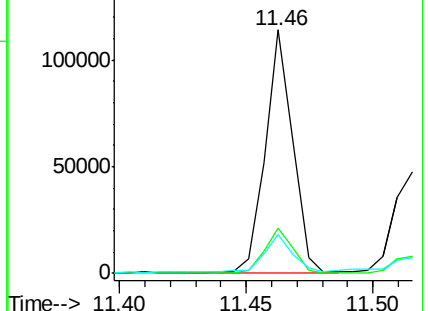
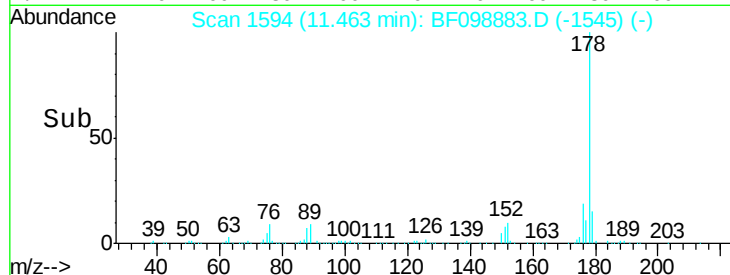
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.9	13.0	19.6



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: 2.23 ng

RT: 11.52 min Scan# 1603

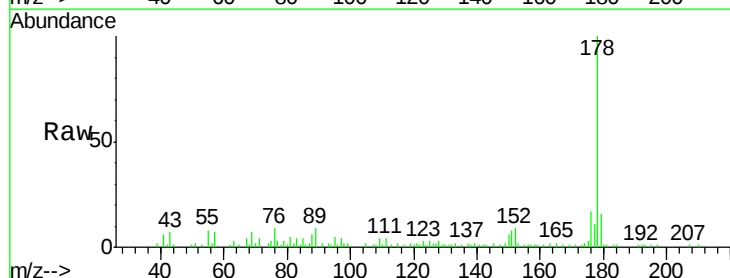
Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Tgt Ion:178 Resp: 38451

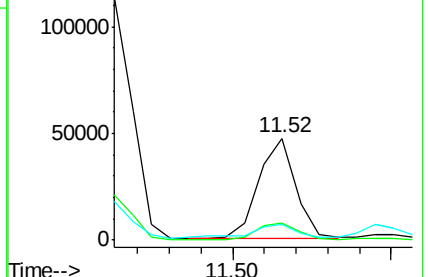
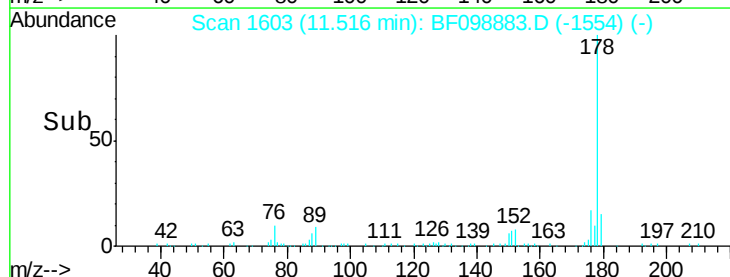
Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.4	23.2
179	15.6	12.6	19.0

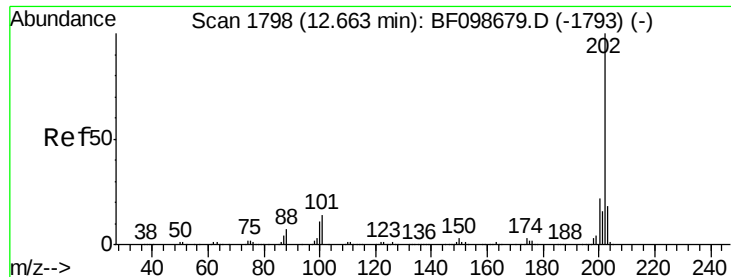


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.17 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098883.D

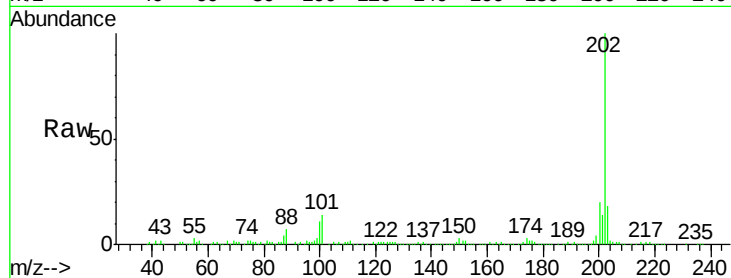
Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

ClientSampled :

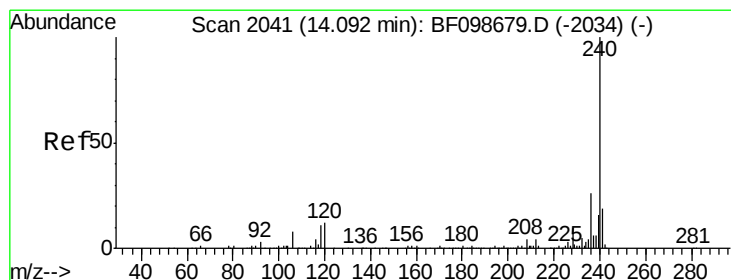
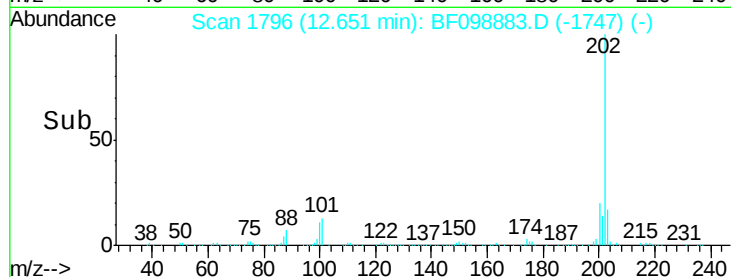
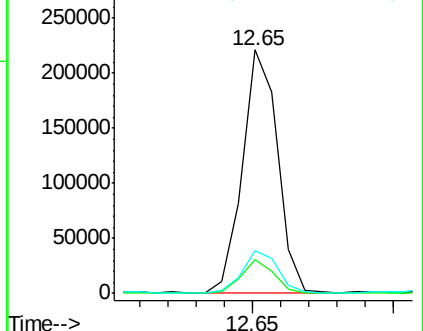
Tot Ion:	202	Resp:	190167
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.6	0.0	38.1



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

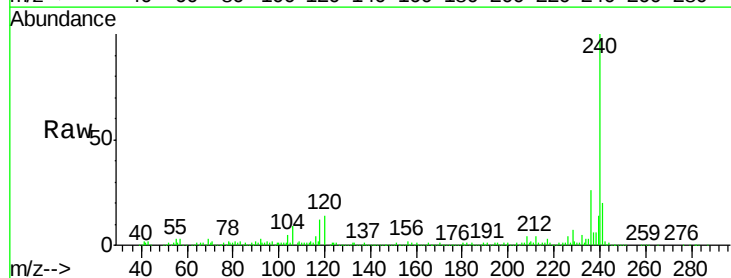
RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

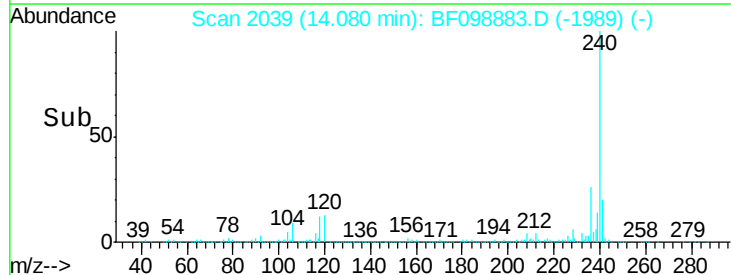
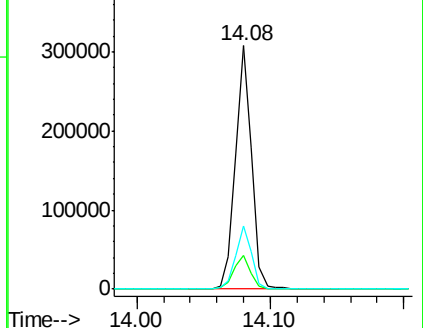
Tgt Ion:	240	Resp:	262841
Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.5	14.3
236	25.8	20.7	31.1

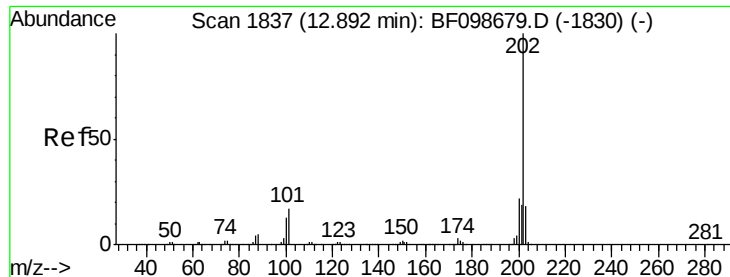


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.04 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

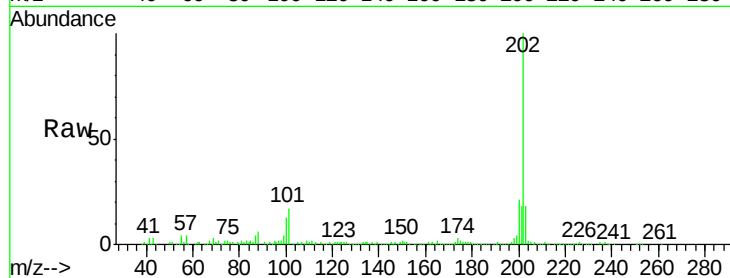
Tot Ion:202 Resp: 181285

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

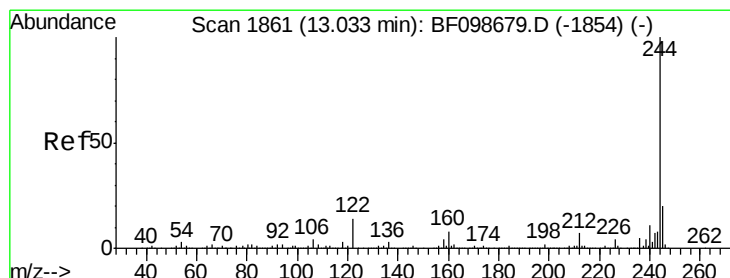
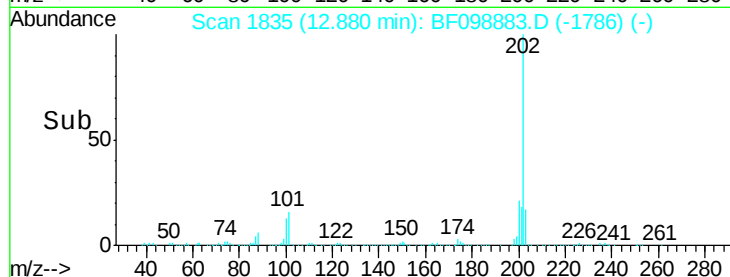
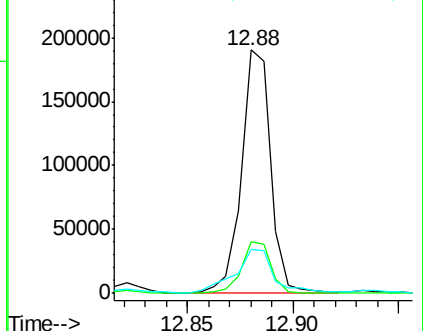
203 18.2 14.3 21.5



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: 57.76 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

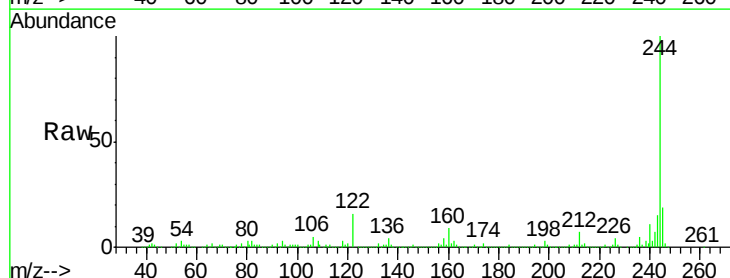
Tgt Ion:244 Resp: 667523

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

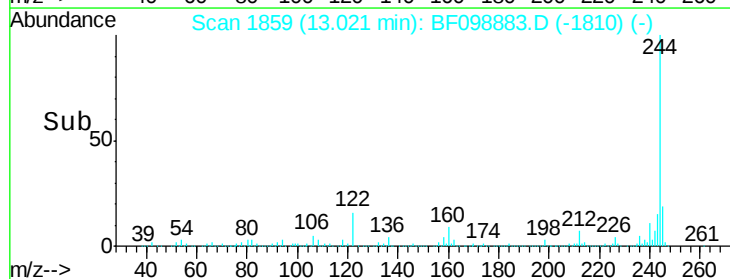
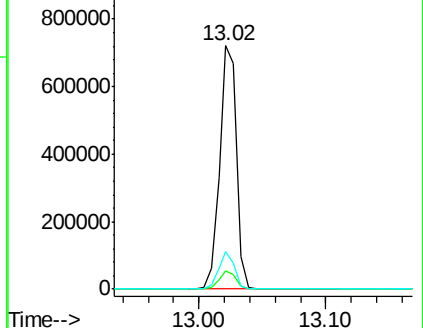
122 15.6 11.0 16.4

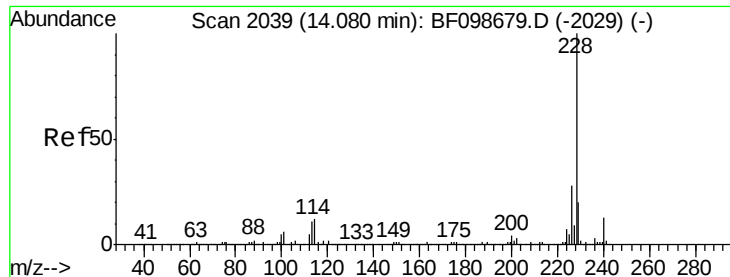


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.46 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.03 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

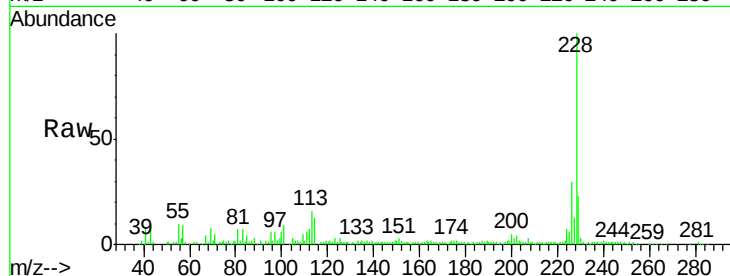
Tot Ion:228 Resp: 86829

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

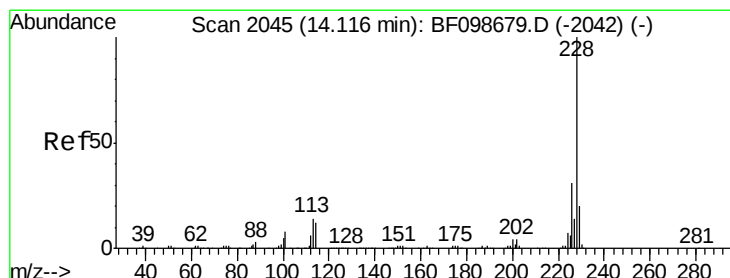
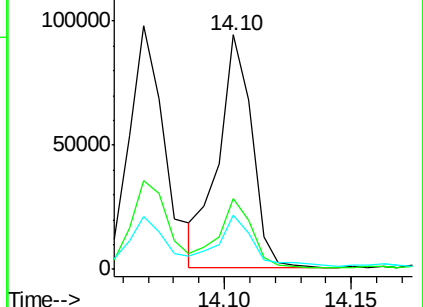
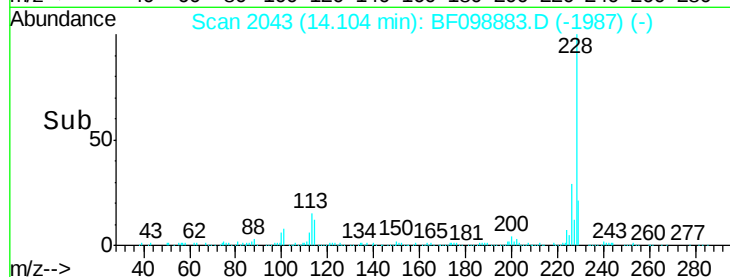
229 23.0 15.8 23.6



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: 5.73 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

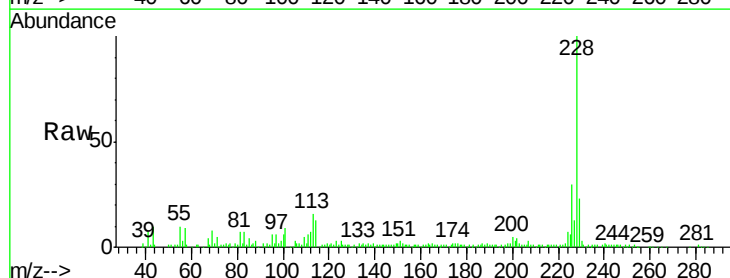
Tgt Ion:228 Resp: 86829

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

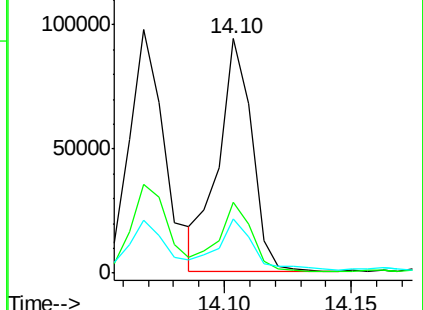
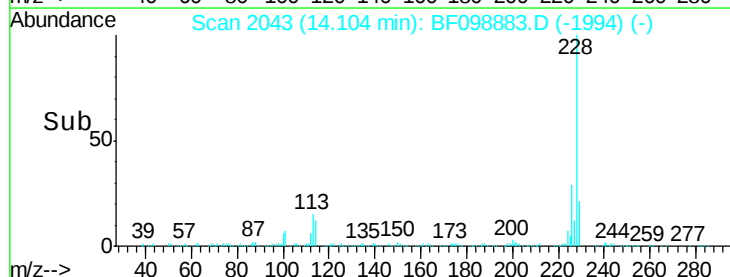
229 23.0 16.2 24.4

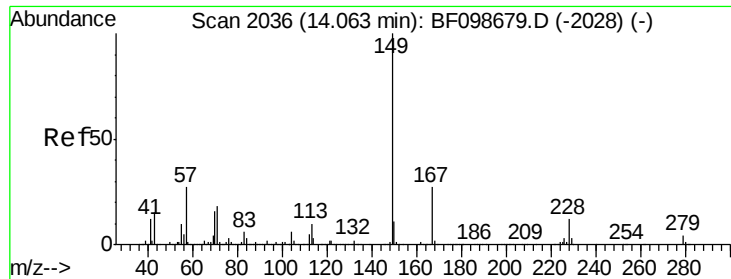


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

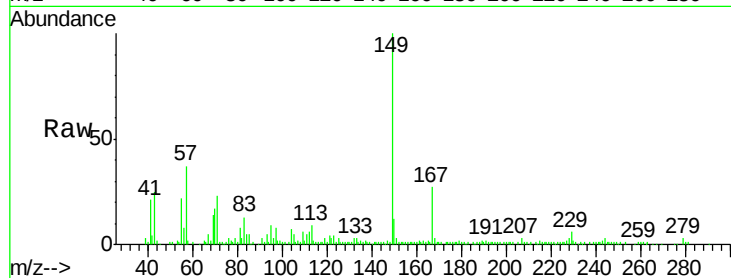




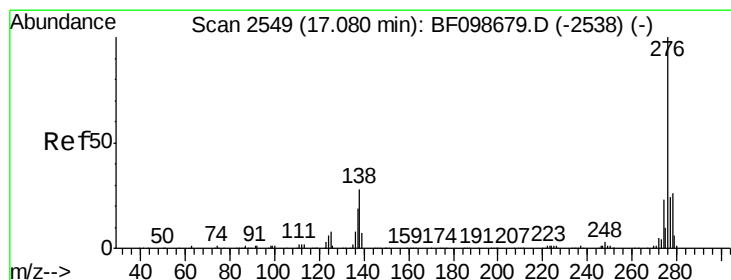
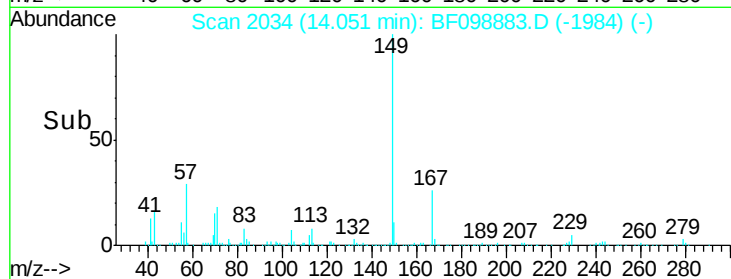
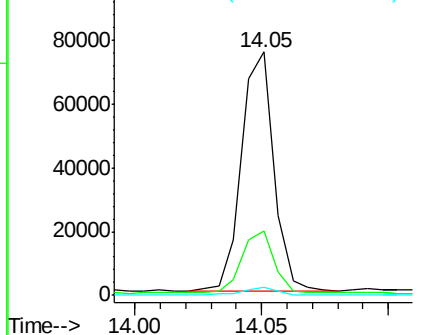
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.10 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF098883.D
 Acq: 28 Sep 2017 00:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	149	Resp	66136
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.3	31.9
279	3.4	3.0	4.4

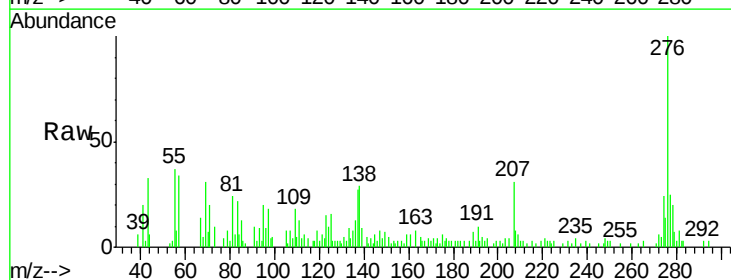


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

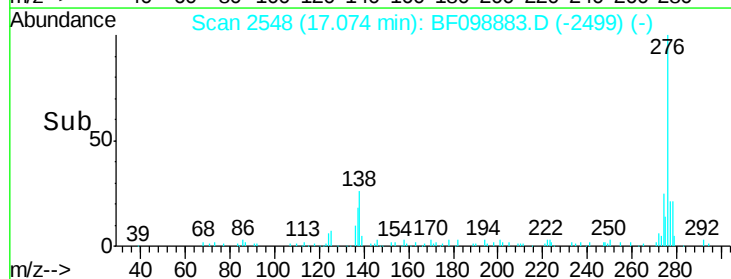
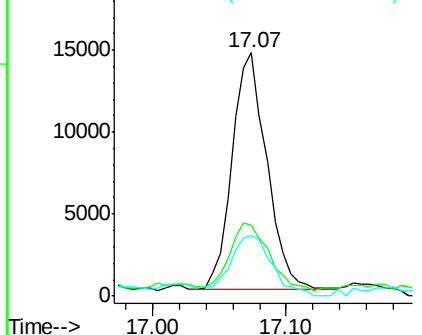


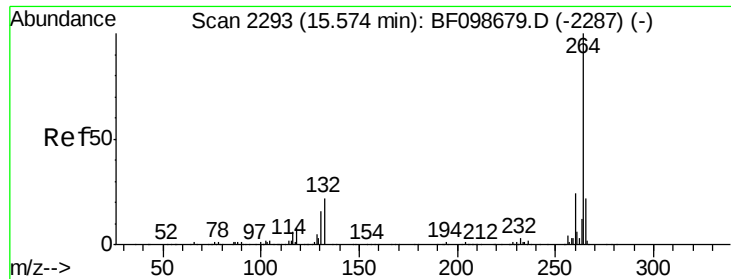
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.16 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF098883.D
 Acq: 28 Sep 2017 00:48

Tgt Ion	276	Resp	26194
Ion Ratio	Lower	Upper	
276	100		
138	31.8	25.0	37.6
277	31.7	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



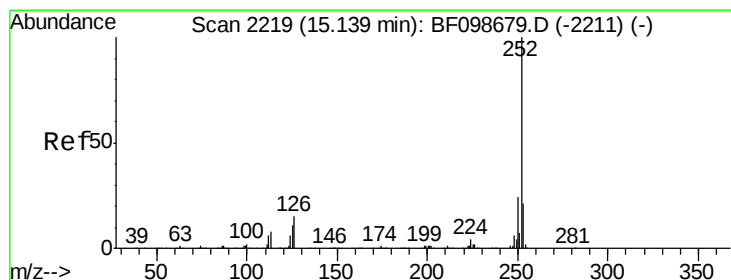
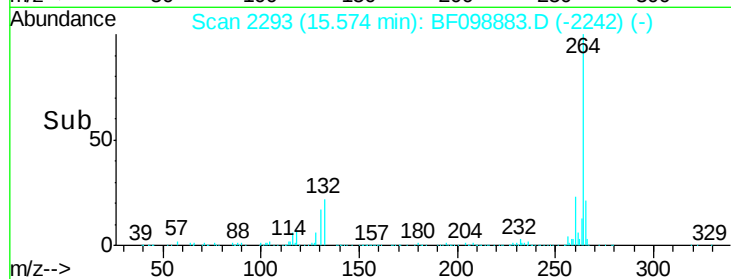
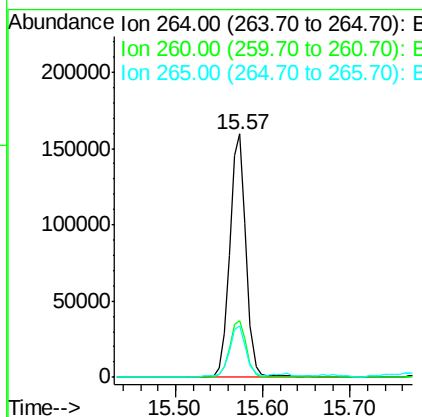
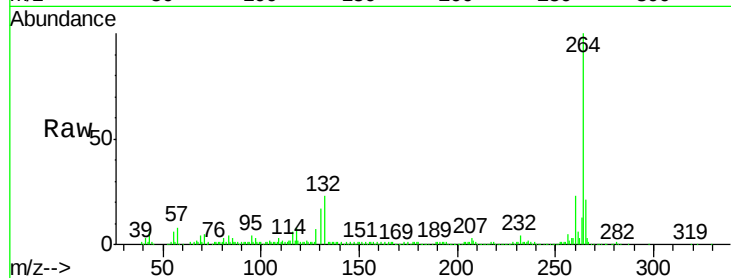


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 203678

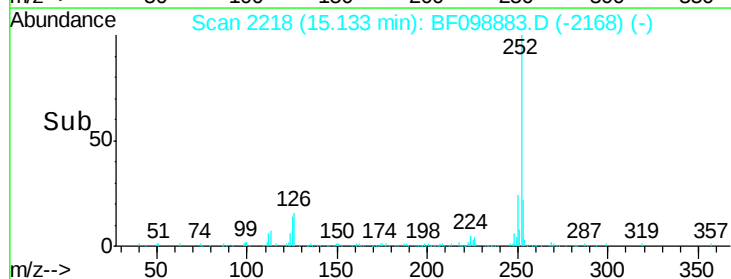
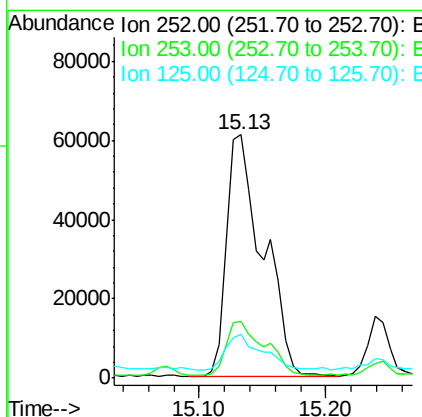
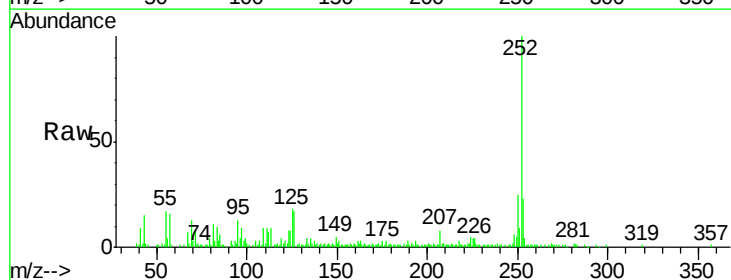
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.0	17.5	26.3

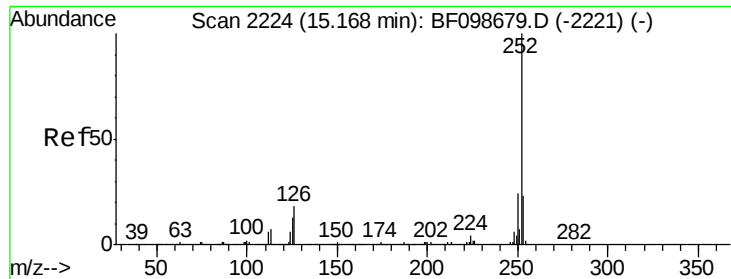


#87
Benzo(b)fluoranthene
Concen: 9.66 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion:252 Resp: 121027

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	17.8	9.0	13.6#

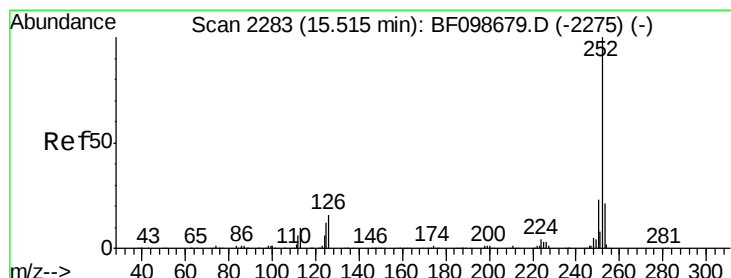
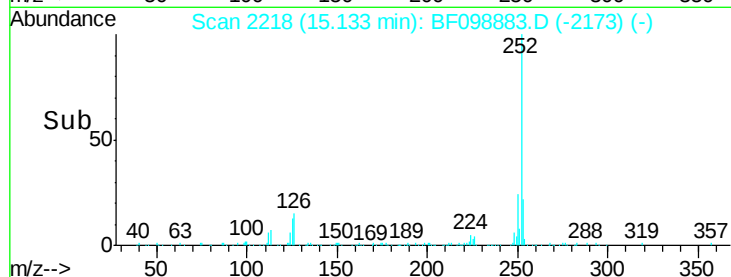
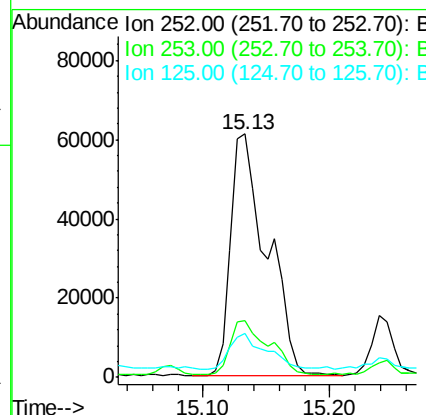
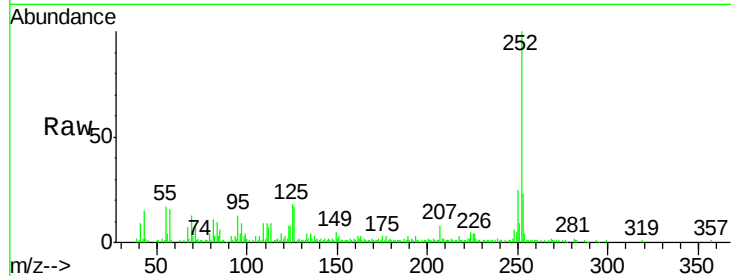




#88
Benzo(k)fluoranthene
Concen: 9.78 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

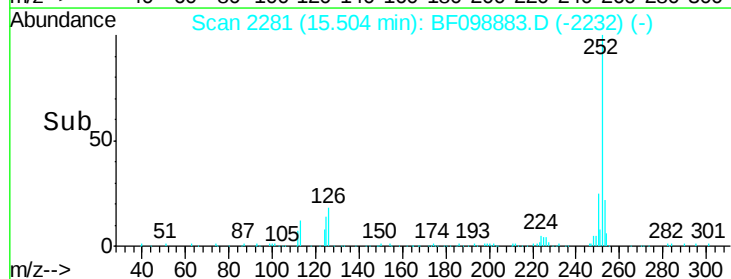
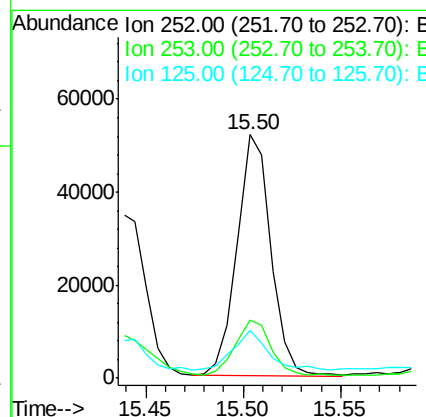
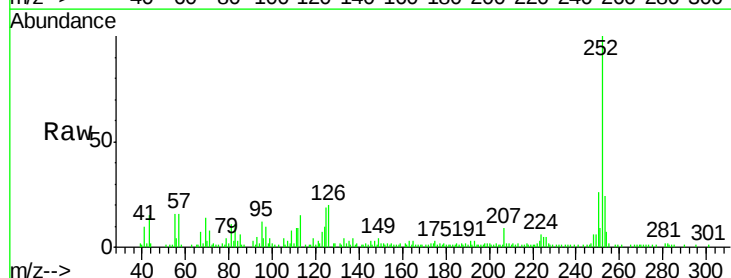
Instrument :
BNA_F
ClientSampleId :

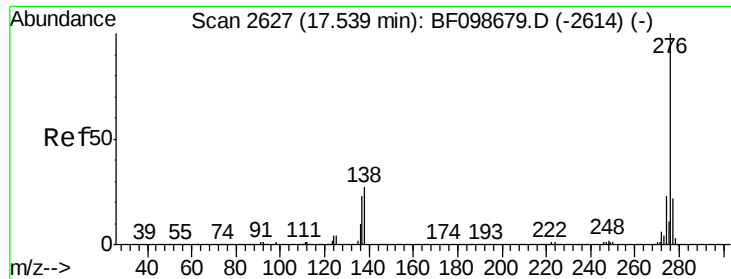
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	17.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.40 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098883.D
Acq: 28 Sep 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	19.4	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.14 ng

RT: 17.53 min Scan# 2626

Delta R.T. -0.01 min

Lab File: BF098883.D

Acq: 28 Sep 2017 00:48

Instrument :

BNA_F

ClientSampleId :

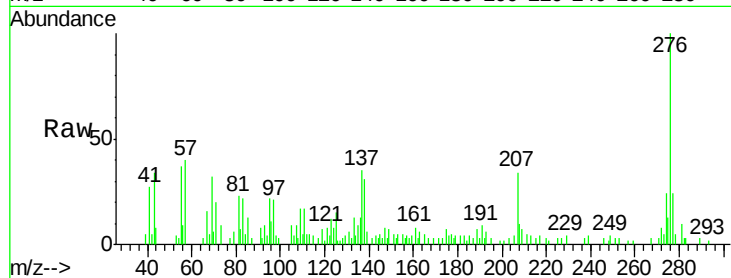
Tot Ion:276 Resp: 28557

Ion Ratio Lower Upper

276 100

277 23.7 17.9 26.9

138 31.4 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

