

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104130.D
 Acq On : 2 Apr 2018 13:03
 Operator : JU/SJ
 Sample : J2112-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 02 13:42:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	102929	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	429269	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	203328	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	358452	20.00	ng	0.00
75) Chrysene-d12	14.15	240	219852	20.00	ng	0.00
86) Perylene-d12	15.70	264	234016	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	629217	97.49	ng	0.00
7) Phenol-d6	6.59	99	856480	107.86	ng	0.00
23) Nitrobenzene-d5	7.52	82	523050	74.52	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	232718	102.79	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	839641	65.12	ng	0.00
78) Terphenyl-d14	13.08	244	728952	76.56	ng	0.00

Target Compounds

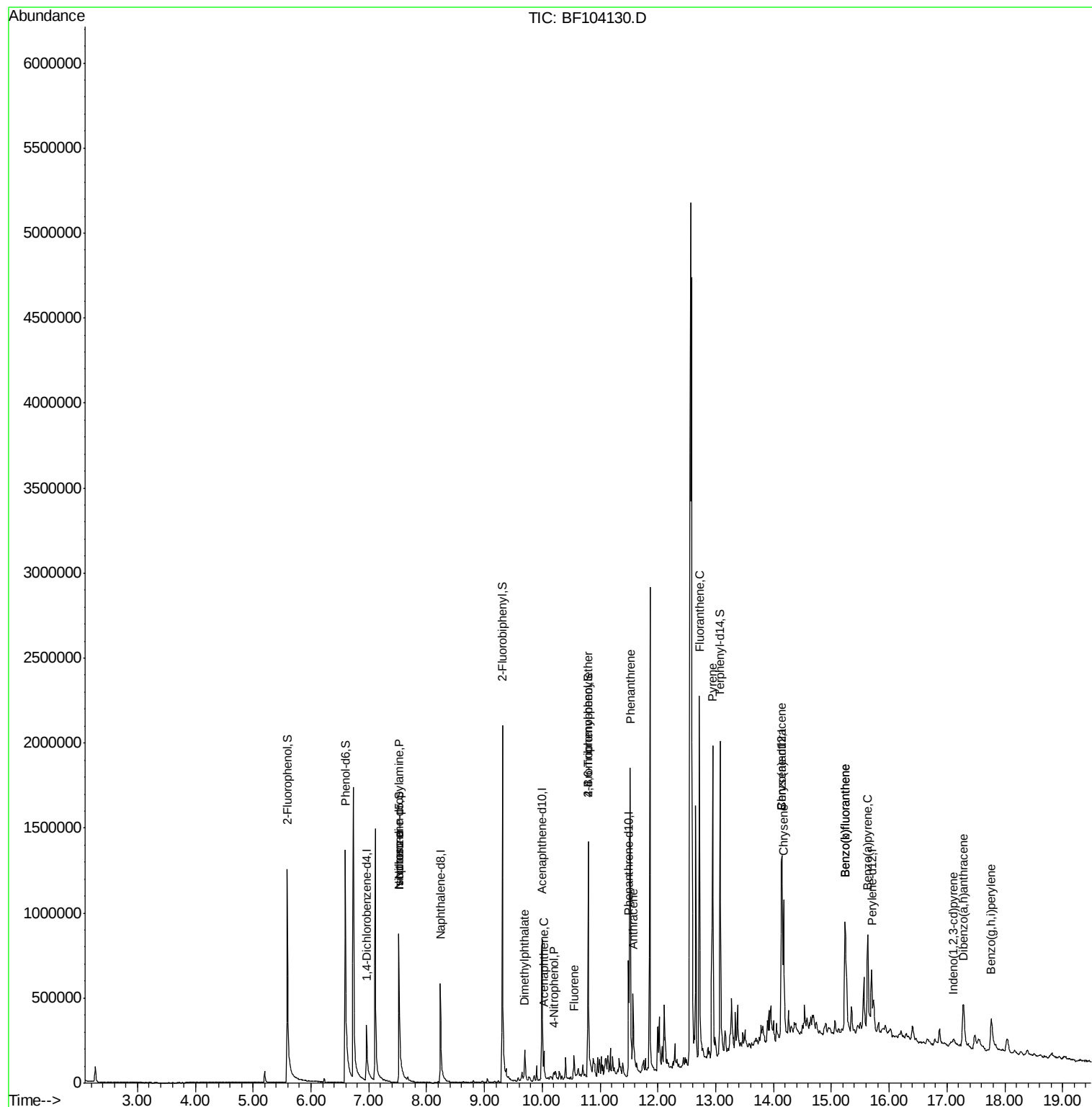
						Qvalue
9) Benzaldehyde	6.59	77	890	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.52	70	62859	13.339 ng	#	73
25) Isophorone	7.52	82	523050	40.434 ng	#	64
49) Dimethylphthalate	9.70	163	85118	5.302 ng		99
51) Acenaphthene	10.03	154	34275	2.841 ng		96
55) 4-Nitrophenol	10.20	139	13296	5.585 ng	#	13
57) Fluorene	10.55	166	58342	4.015 ng		99
66) 4-Bromophenyl-phenylether	10.79	248	13504	3.521 ng	#	1
70) Phenanthrene	11.52	178	827521	42.640 ng		98
71) Anthracene	11.57	178	297137	14.658 ng		100
74) Fluoranthene	12.72	202	1113342	53.971 ng		99
77) Pvrene	12.95	202	935070	59.166 ng		99
80) Benzo(a)anthracene	14.14	228	472428	34.342 ng		98
82) Chrysene	14.17	228	361804	26.852 ng		97
85) Indeno(1,2,3-cd)pyrene	17.11	276	37797	2.707 ng		96
87) Benzo(b)fluoranthene	15.24	252	621622	43.647 ng	#	96
88) Benzo(k)fluoranthene	15.24	252	621622	46.334 ng		99
89) Benzo(a)pyrene	15.63	252	367888	27.875 ng		99
90) Dibenzo(a,h)anthracene	17.29	278	44889	3.679 ng	#	73
91) Benzo(a,h,i)perylene	17.77	276	209005	17.101 ng		94

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

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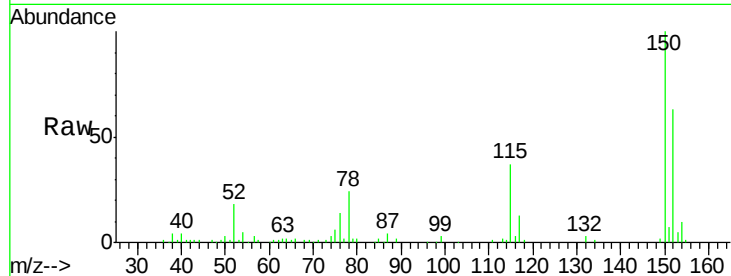


#1

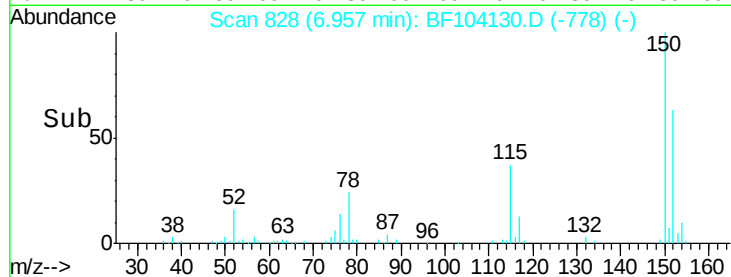
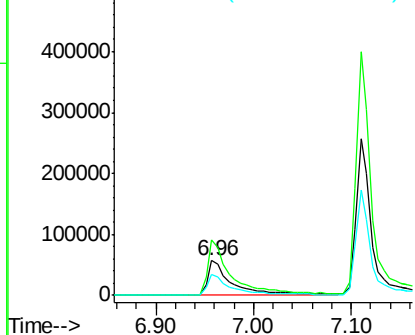
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 102929
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 59.8 50.1 75.1



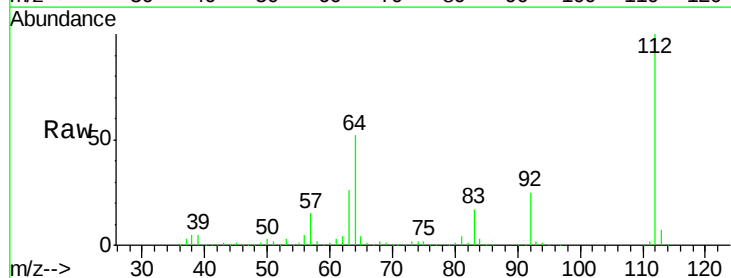
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



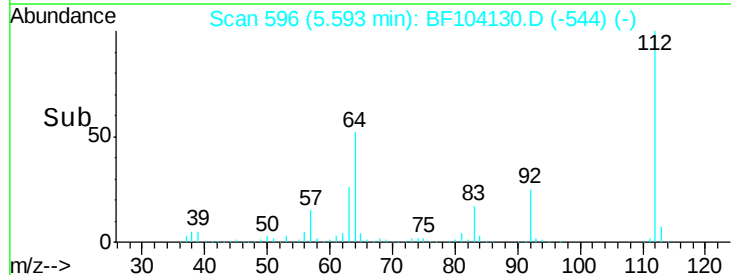
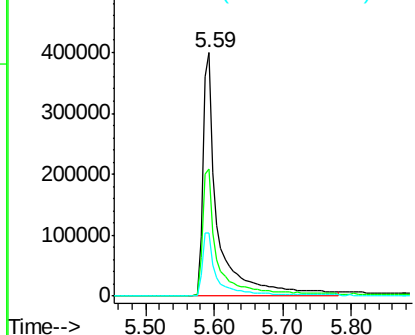
#5

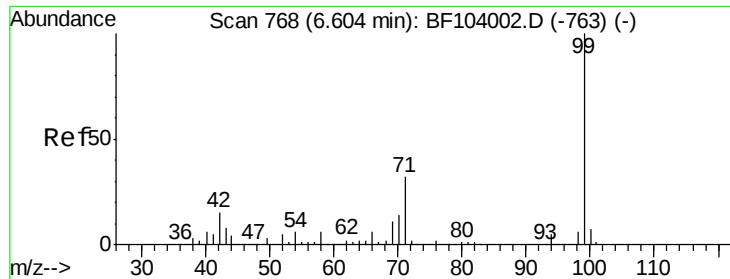
2-Fluorophenol
Concen: 97.489 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Tgt Ion:112 Resp: 629217
Ion Ratio Lower Upper
112 100
64 52.4 47.9 71.9
63 25.9 23.7 35.5



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





#7

Phenol-d6

Concen: 107.860 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

Instrument :

BNA_F

ClientSampleId :

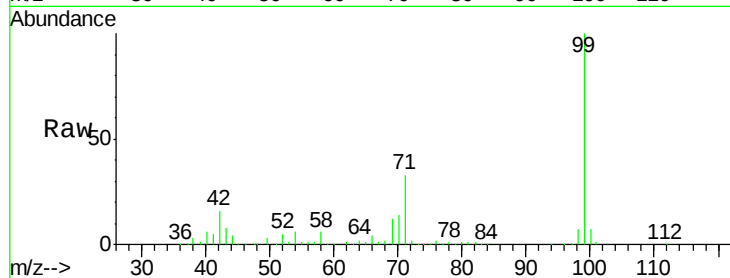
Tot Ion: 99 Resp: 856480

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

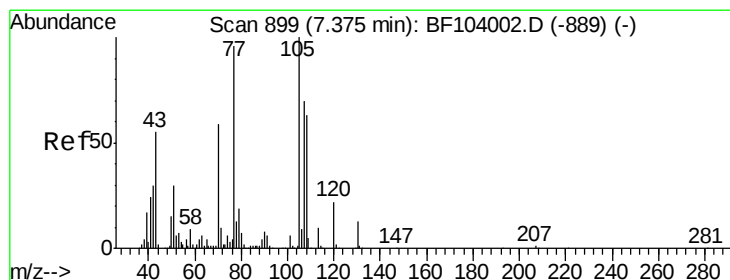
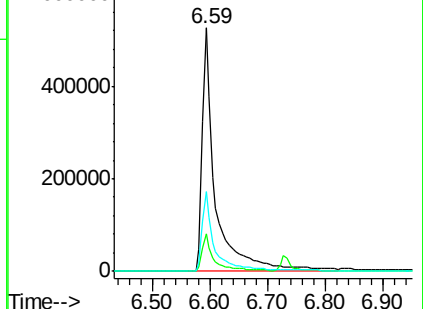
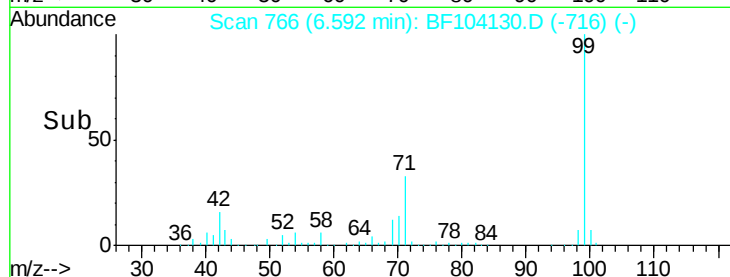
71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.339 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.15 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

Tgt Ion: 70 Resp: 62859

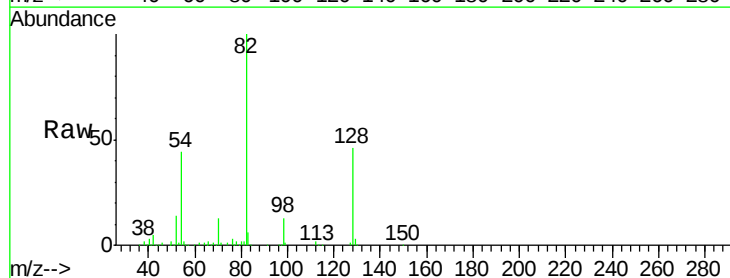
Ion Ratio Lower Upper

70 100

42 42.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

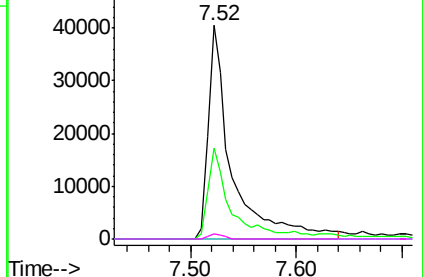
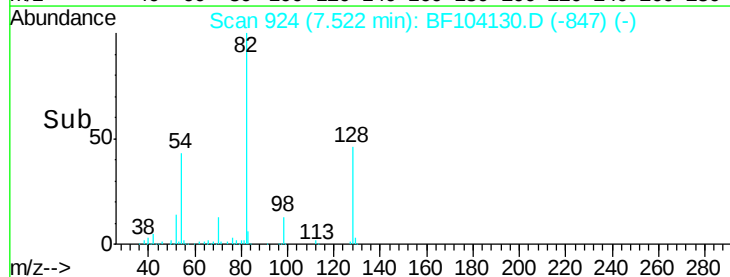


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

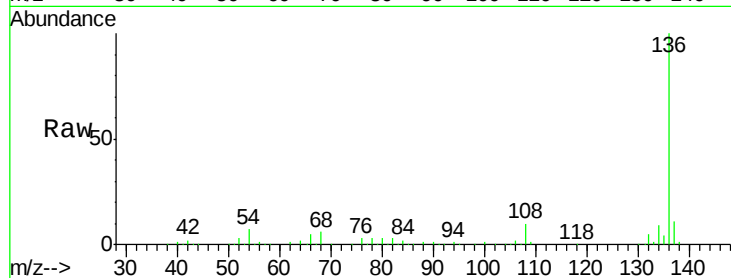




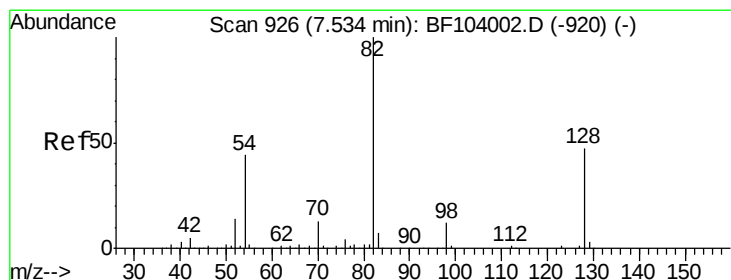
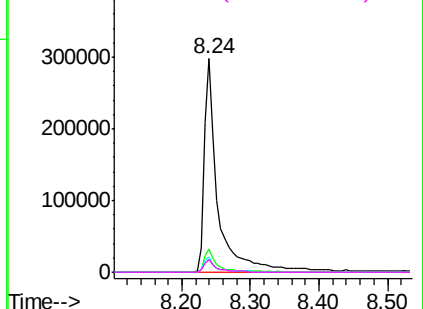
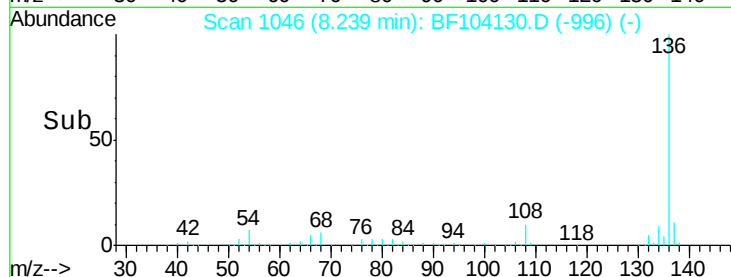
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	429269
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	7.2	6.6 9.8
68	6.1	5.0 7.4

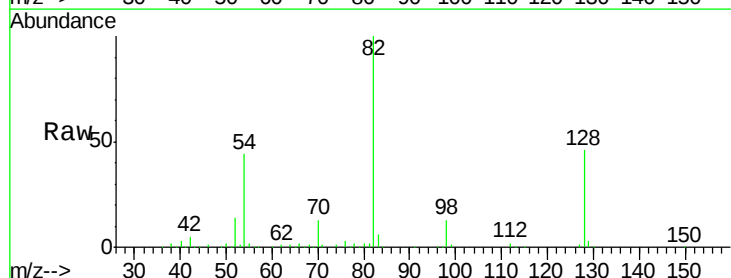


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

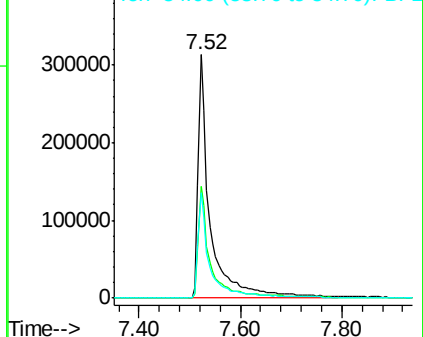
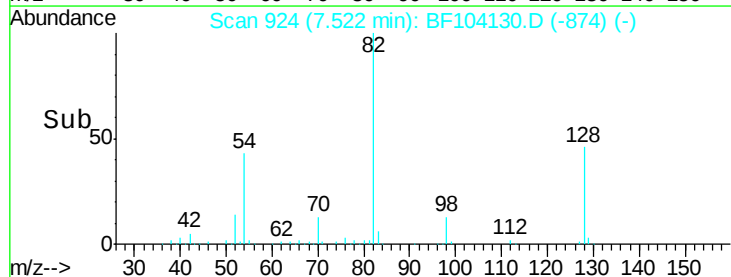


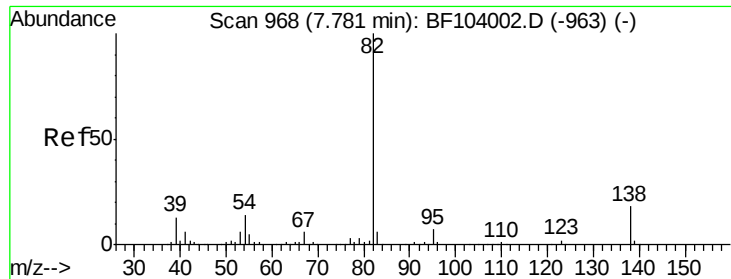
#23
Nitrobenzene-d5
Concen: 74.516 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Tgt Ion: 82	Resp:	523050
Ion	Ratio	Lower Upper
82	100	
128	46.0	36.1 54.1
54	43.5	41.4 62.2



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





#25

Isophorone

Concen: 40.434 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.25 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

Instrument :

BNA_F

ClientSampleId :

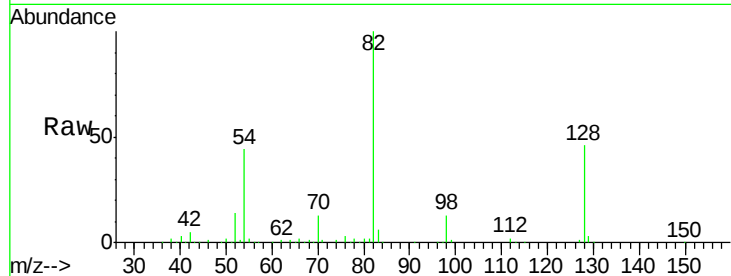
Tot Ion: 82 Resp: 523050

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

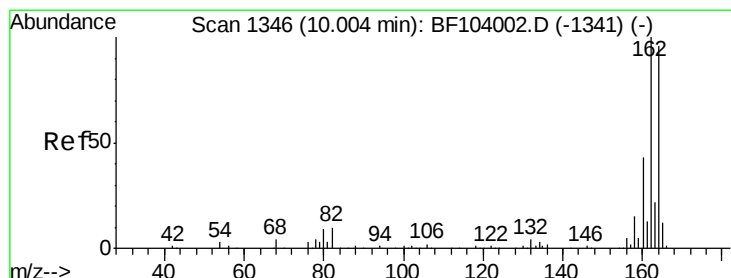
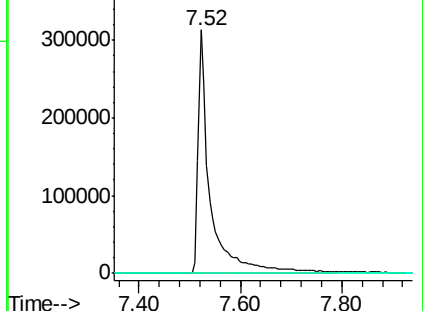
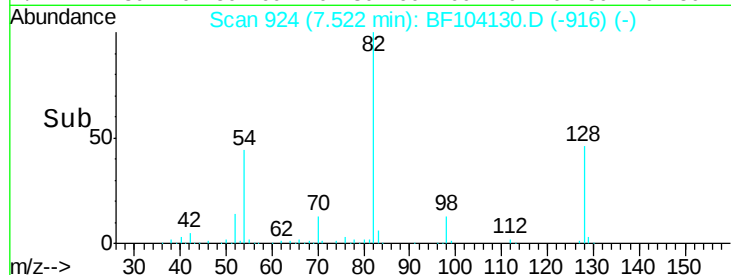
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

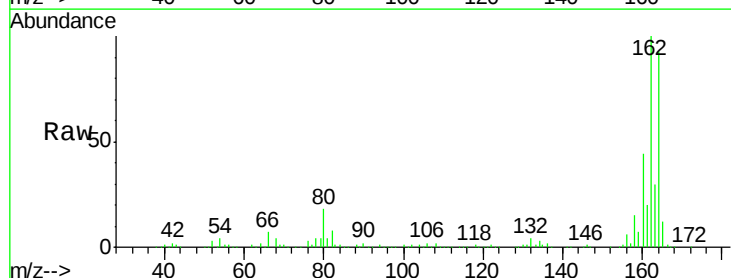
Tgt Ion:164 Resp: 203328

Ion Ratio Lower Upper

164 100

162 107.0 86.1 129.1

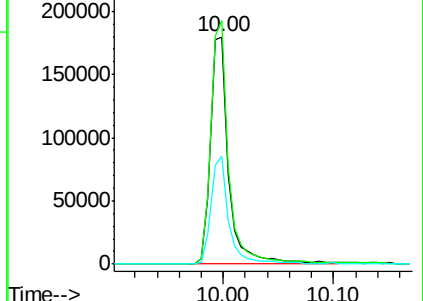
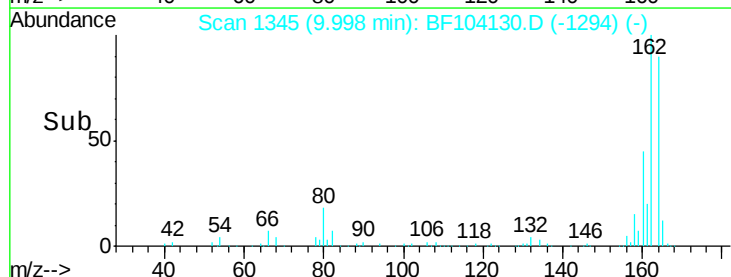
160 47.4 38.3 57.5

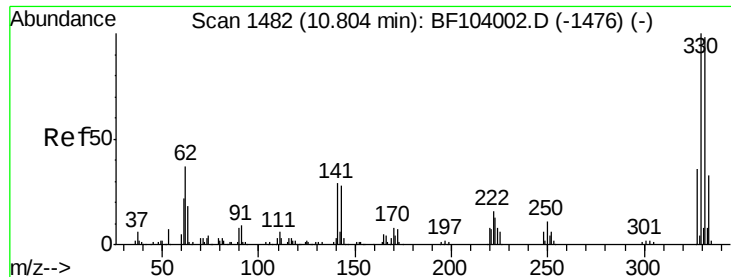


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 102.788 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

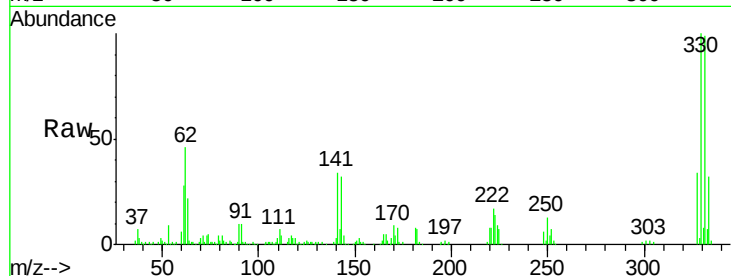
Instrument :

BNA_F

ClientSampleId :

Tot Ion:330 Resp: 232718

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	32.5	29.9	44.9

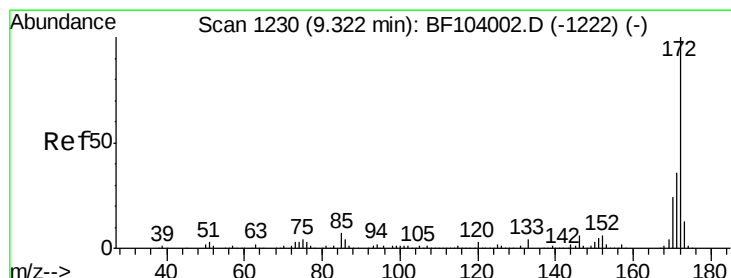
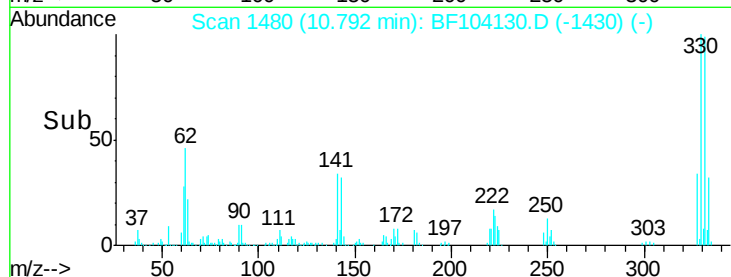
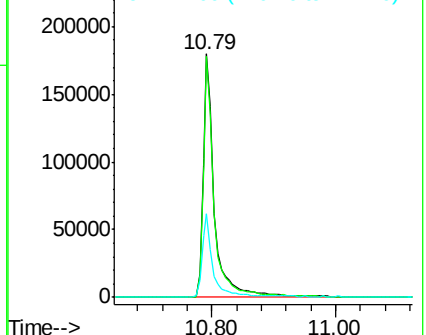


Abundance

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: 65.119 ng

RT: 9.31 min Scan# 1228

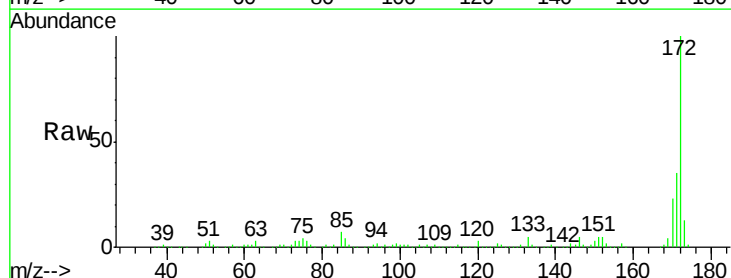
Delta R.T. -0.01 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

Tgt Ion:172 Resp: 839641

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.0	19.6	29.4

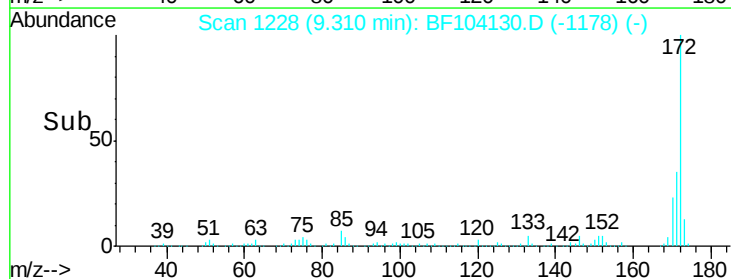
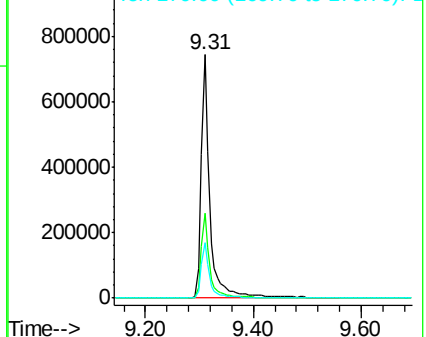


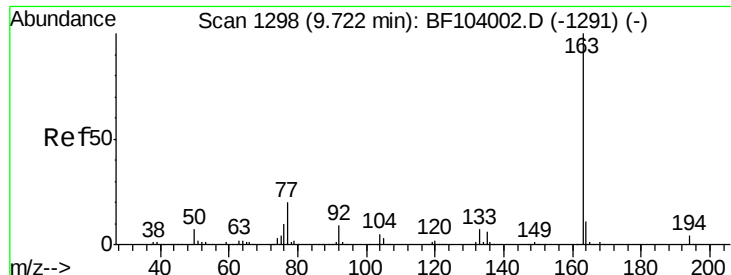
Abundance

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

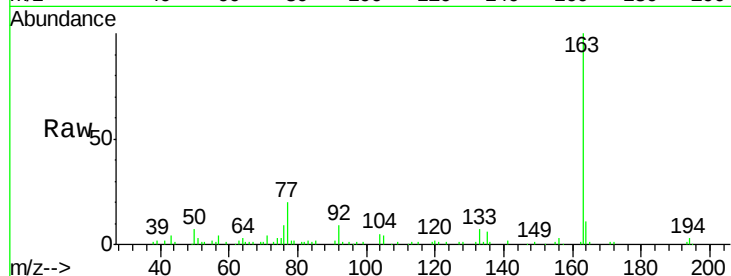




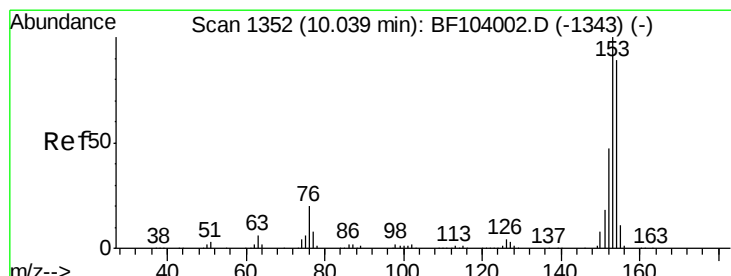
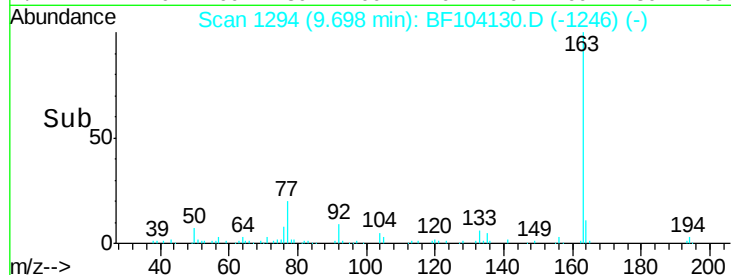
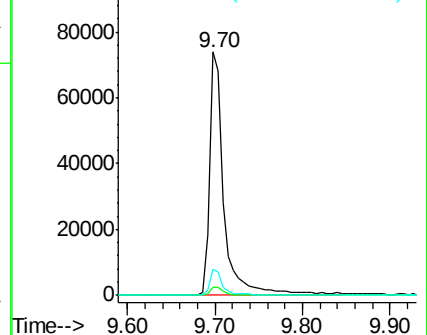
#49
Dimethylphthalate
Concen: 5.302 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 85118
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.6 8.2 12.2

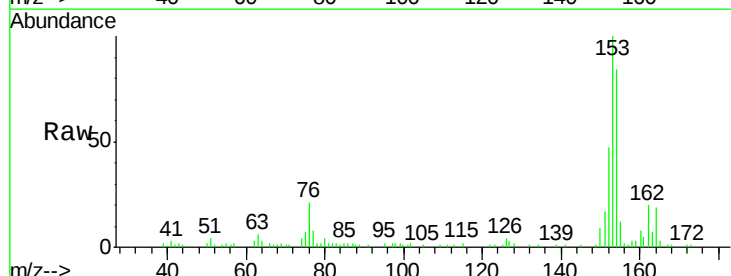


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

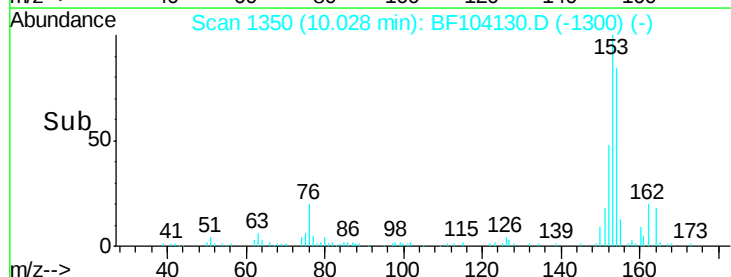
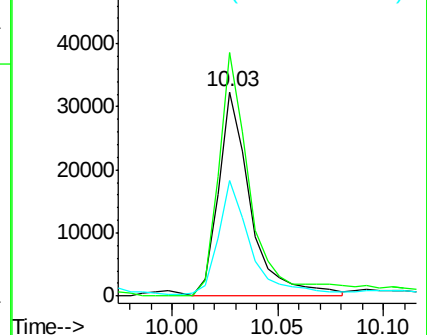


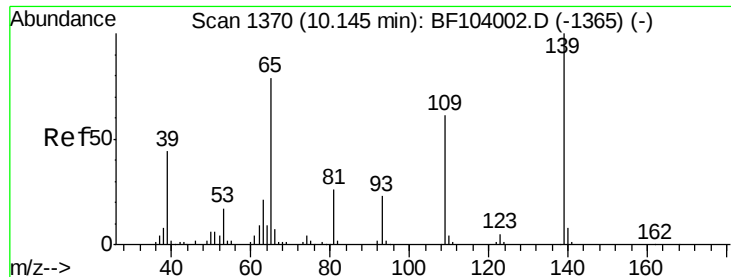
#51
Acenaphthene
Concen: 2.841 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Tgt Ion:154 Resp: 34275
Ion Ratio Lower Upper
154 100
153 119.0 91.2 136.8
152 56.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

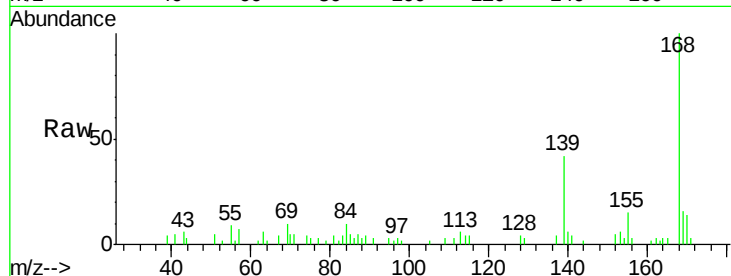




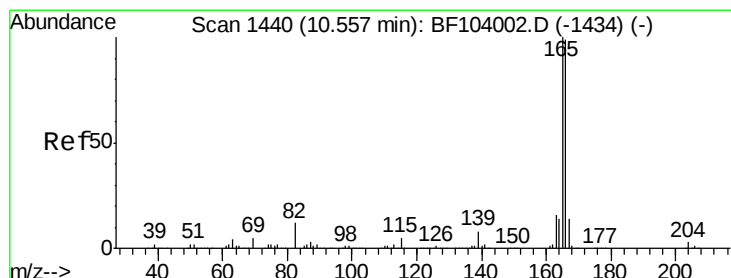
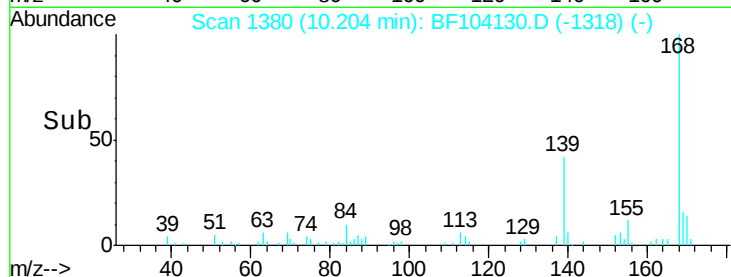
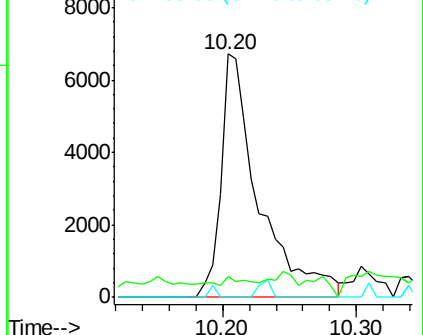
#55
4-Nitrophenol
Concen: 5.585 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.06 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	8.3	48.4	88.4#
65	0.0	72.6	112.6#

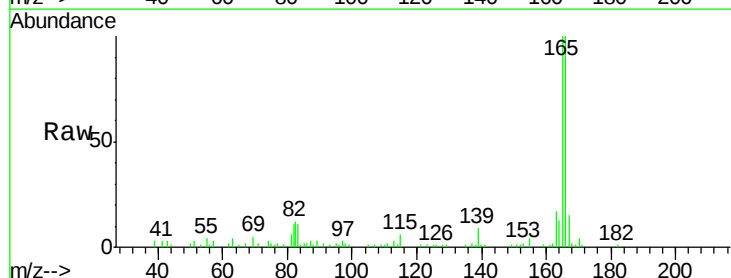


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

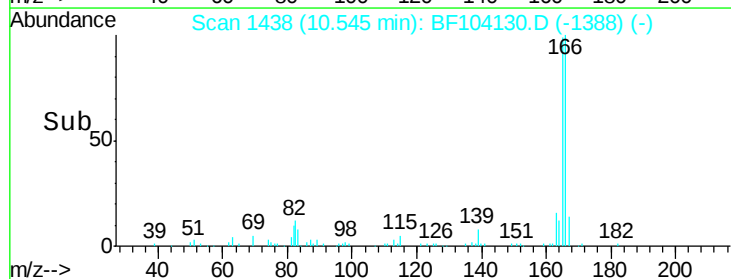
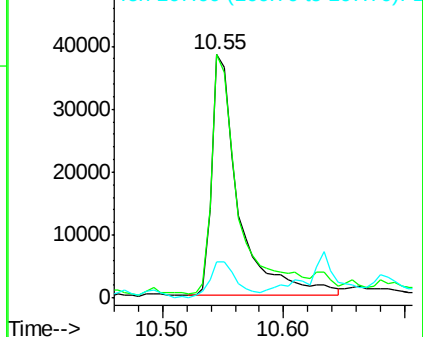


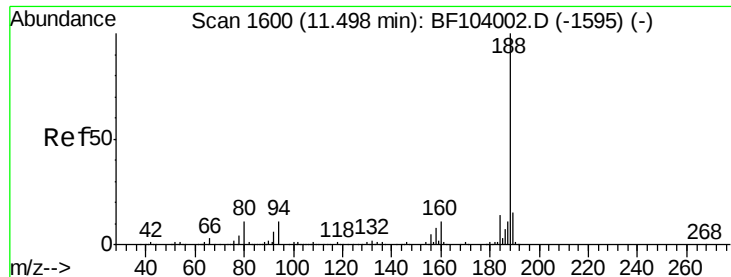
#57
Fluorene
Concen: 4.015 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.8	119.8
167	14.8	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

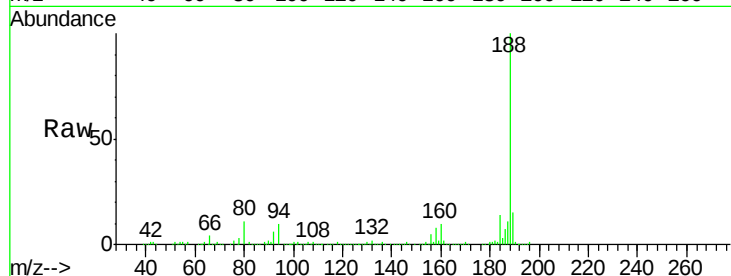




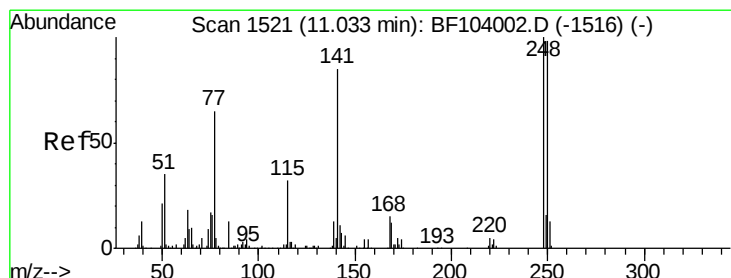
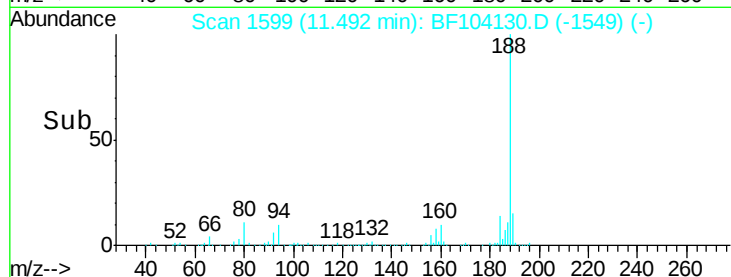
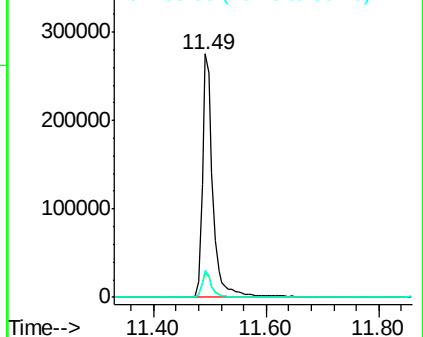
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 358452
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 11.1 9.2 13.8

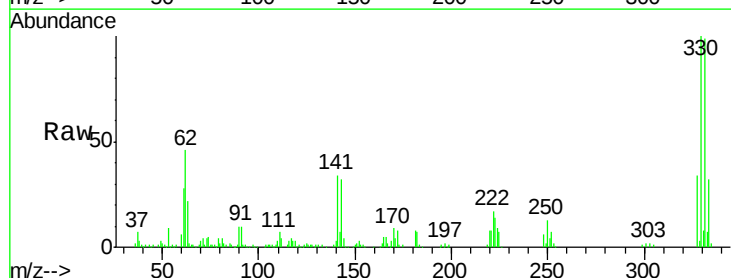


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

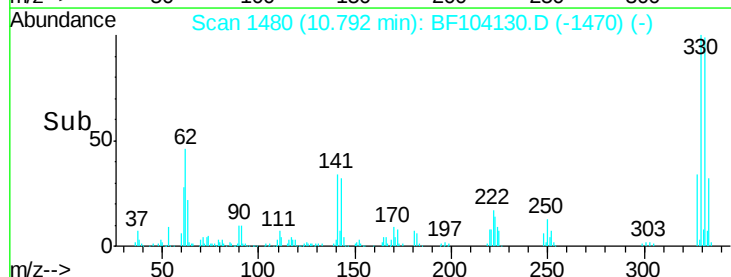
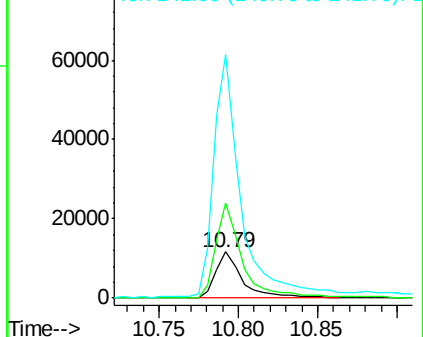


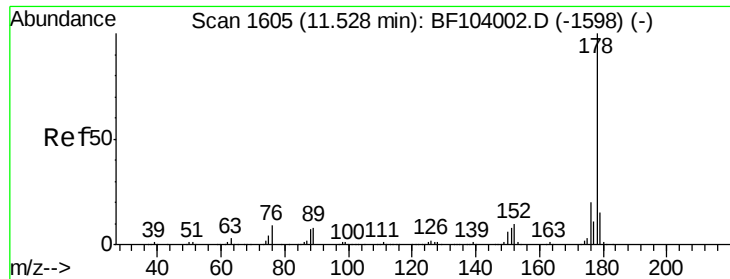
#66
4-Bromophenyl-phenylether
Concen: 3.521 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.24 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Tgt Ion:248 Resp: 13504
Ion Ratio Lower Upper
248 100
250 207.2 76.9 115.3#
141 529.7 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

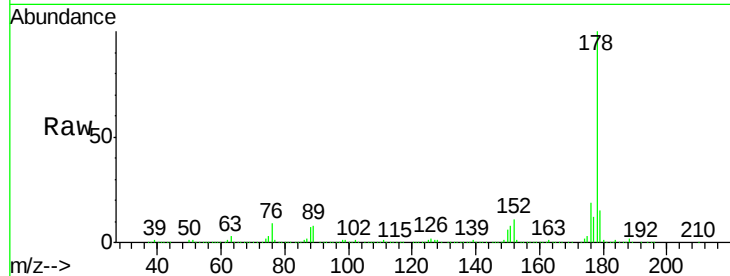




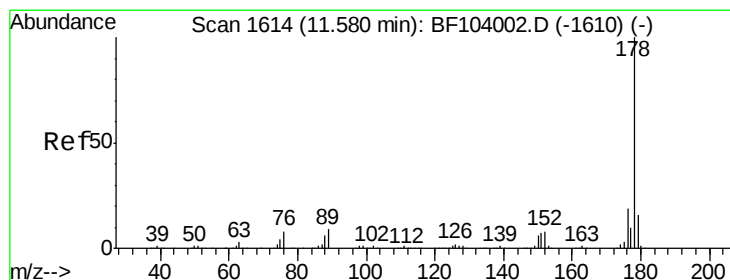
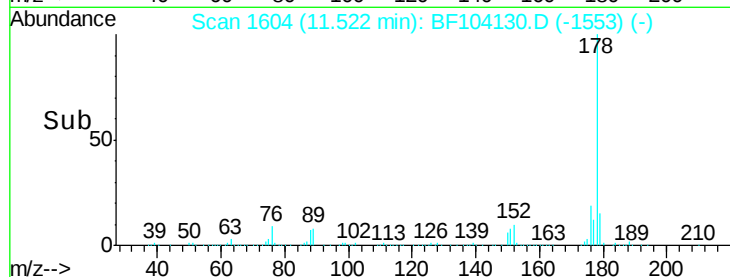
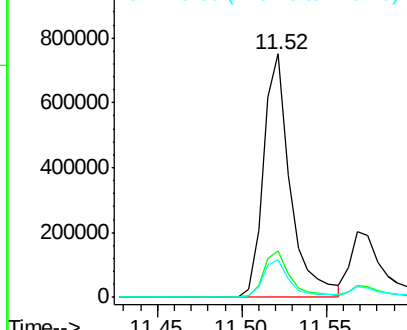
#70
Phenanthrene
Concen: 42.640 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 827521
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.3 13.0 19.6

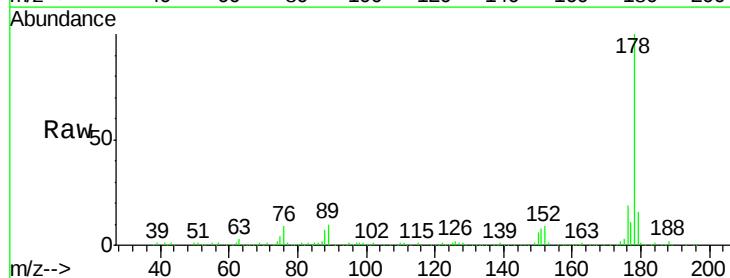


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

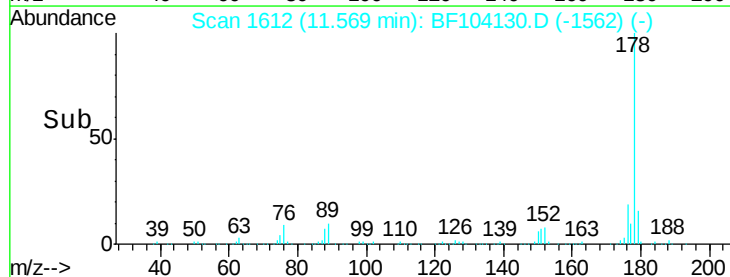
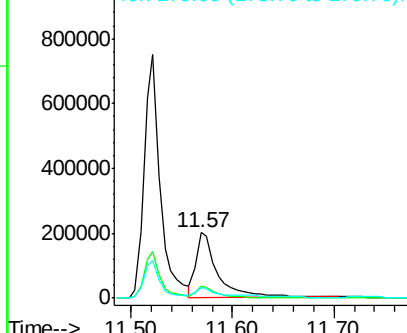


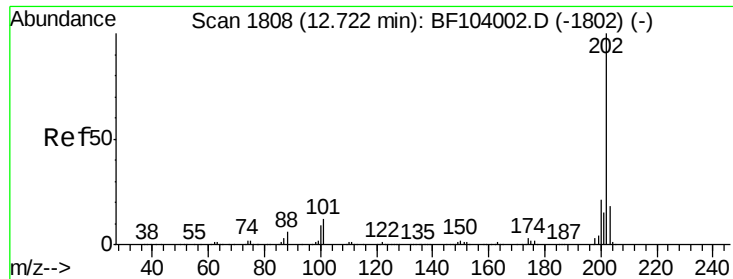
#71
Anthracene
Concen: 14.658 ng
RT: 11.57 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Tgt Ion:178 Resp: 297137
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 16.0 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: 53.971 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

Instrument :

BNA_F

ClientSampleId :

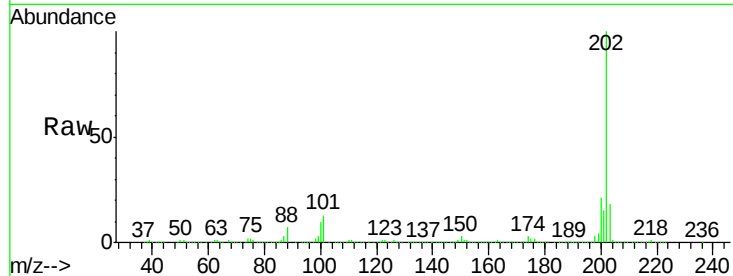
Tot Ion:202 Resp: 1113342

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

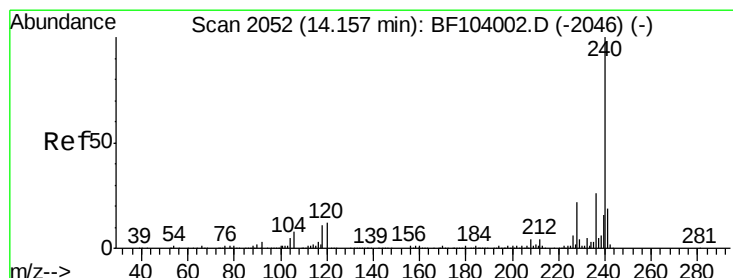
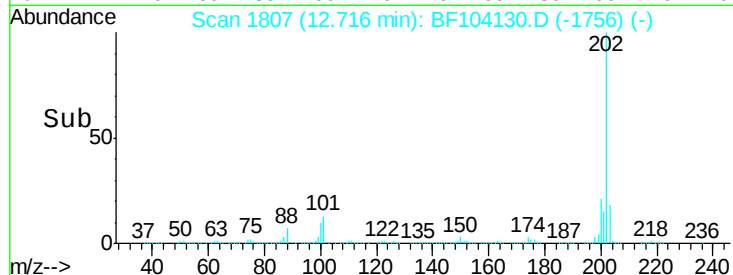
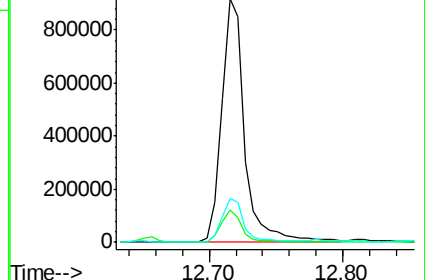
203 18.1 0.0 38.1



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: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

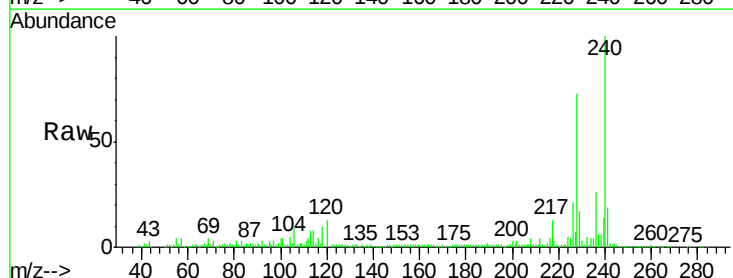
Tgt Ion:240 Resp: 219852

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

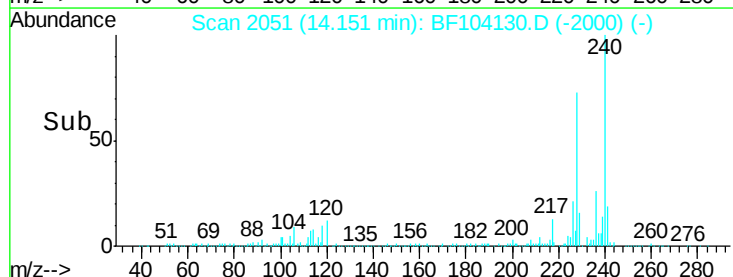
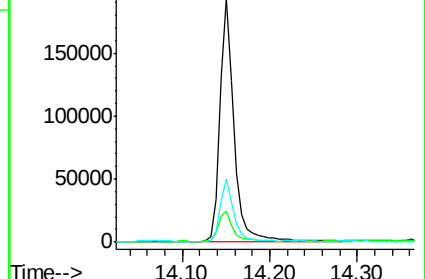
236 25.9 20.7 31.1

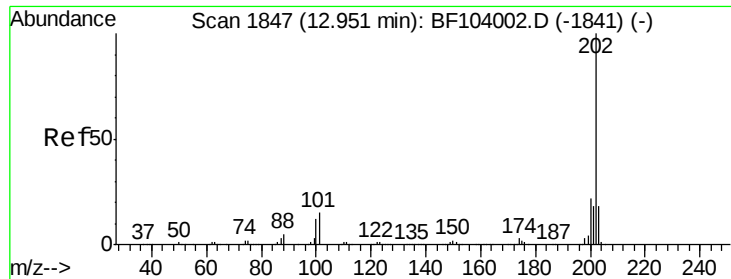


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

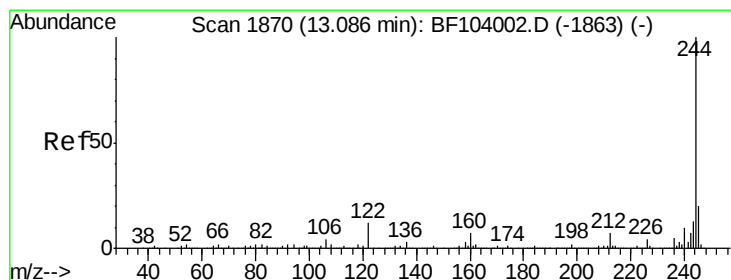
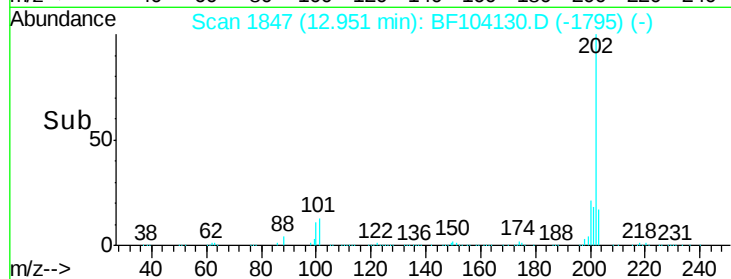
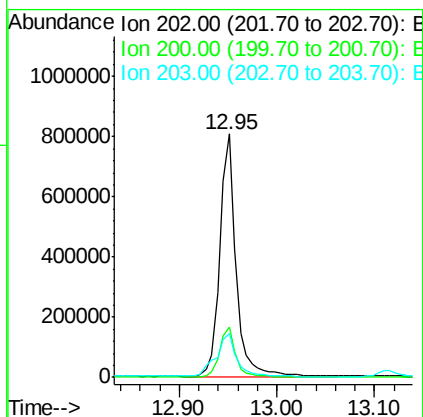
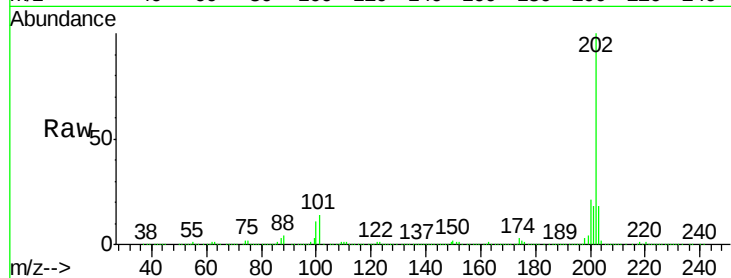




#77
Pvrene
Concen: 59.166 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

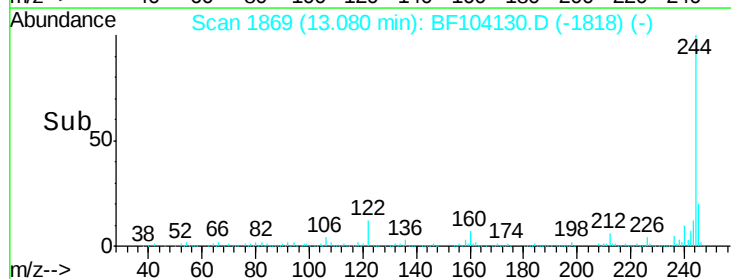
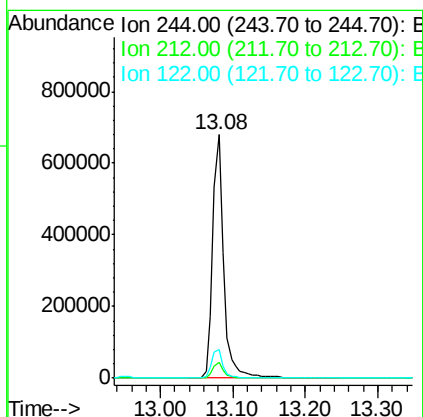
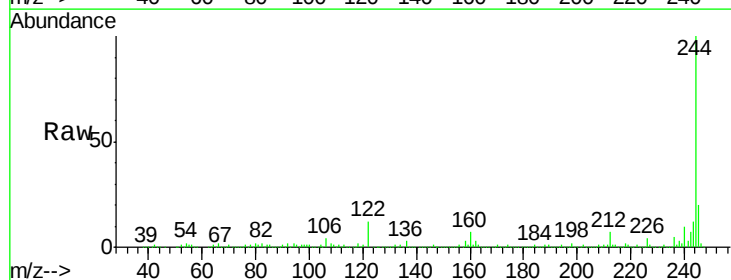
Instrument :
BNA_F
ClientSampleId :

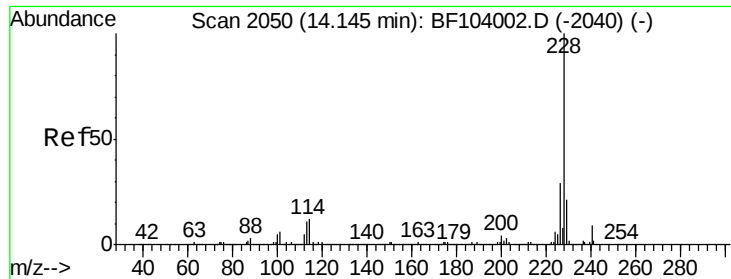
Tot Ion:202 Resp: 935070
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.8 14.3 21.5



#78
Terphenyl-d14
Concen: 76.557 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Tgt Ion:244 Resp: 728952
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 11.9 11.0 16.4

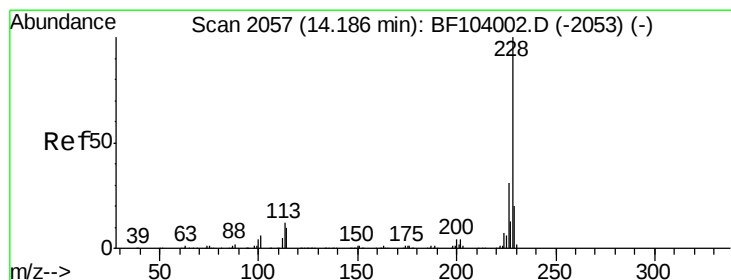
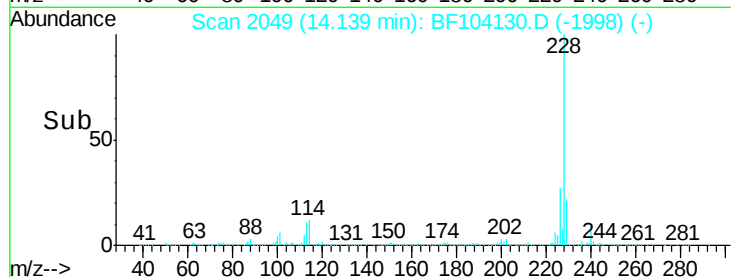
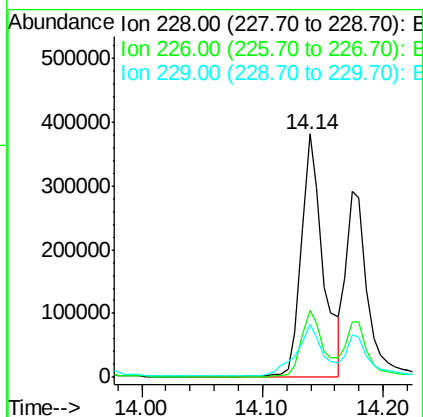
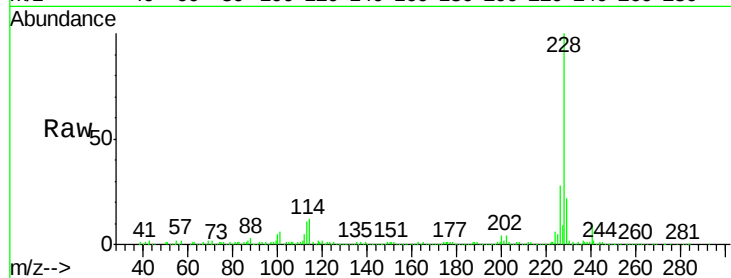




#80
Benzo(a)anthracene
Concen: 34.342 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

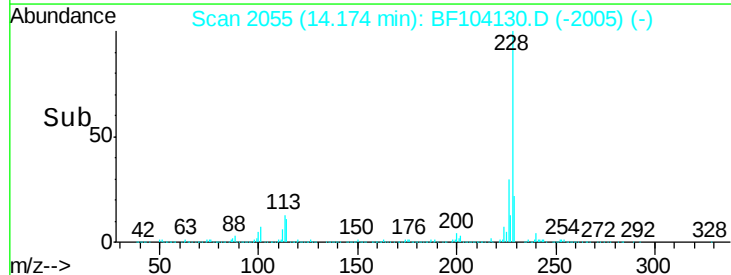
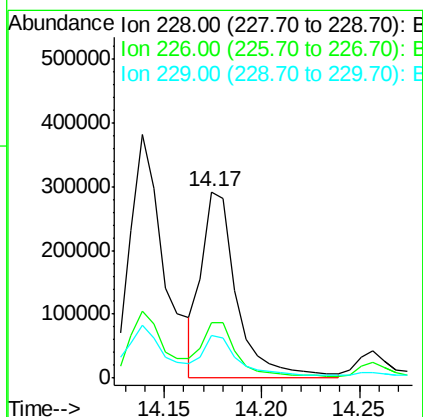
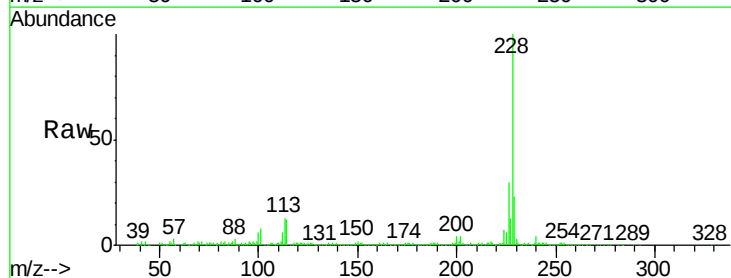
Instrument :
BNA_F
ClientSampleId :

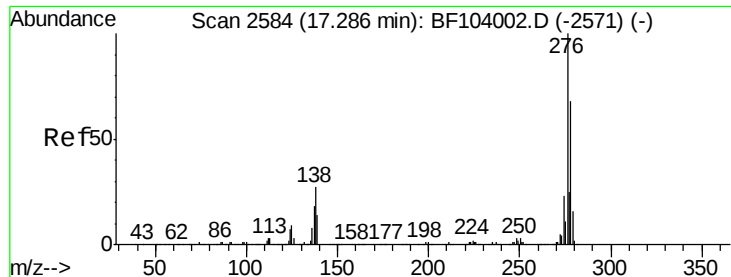
Tot Ion:228 Resp: 472428
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 21.8 15.8 23.6



#82
Chrysene
Concen: 26.852 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Tgt Ion:228 Resp: 361804
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 22.8 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.707 ng

RT: 17.11 min Scan# 2554

Delta R.T. -0.18 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

Instrument :

BNA_F

ClientSampleId :

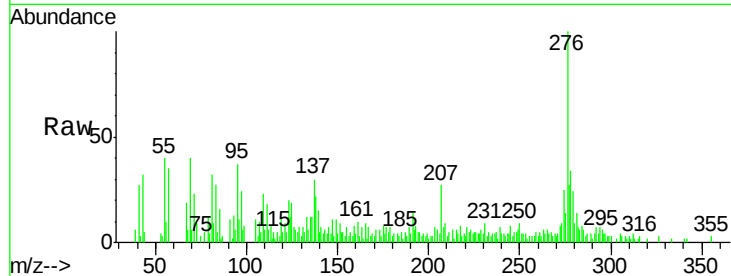
Tot Ion:276 Resp: 37797

Ion Ratio Lower Upper

276 100

138 29.1 25.0 37.6

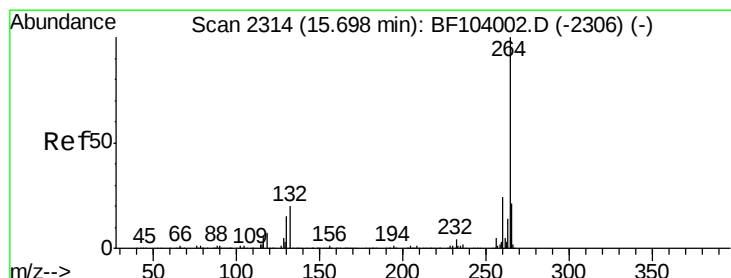
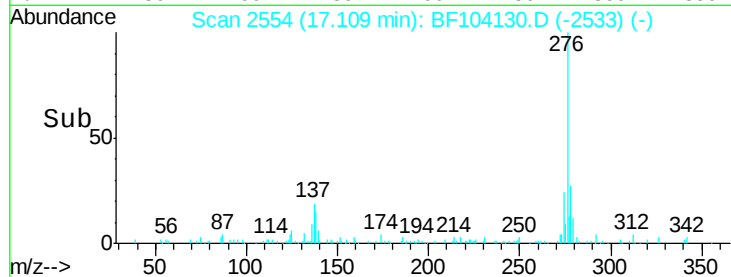
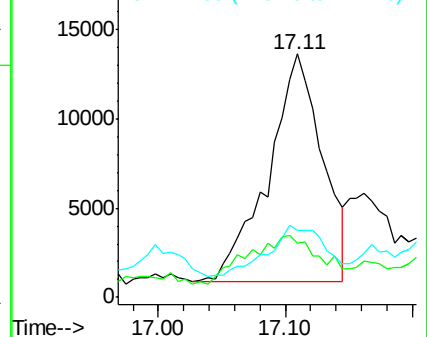
277 23.1 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.01 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

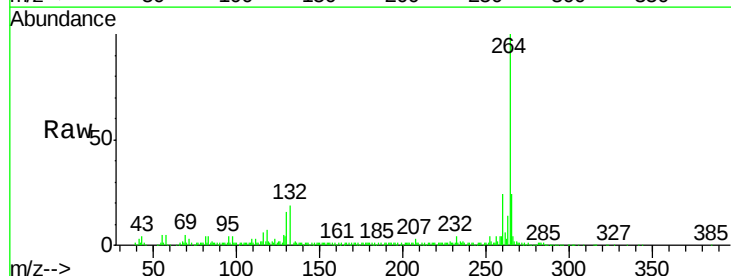
Tgt Ion:264 Resp: 234016

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

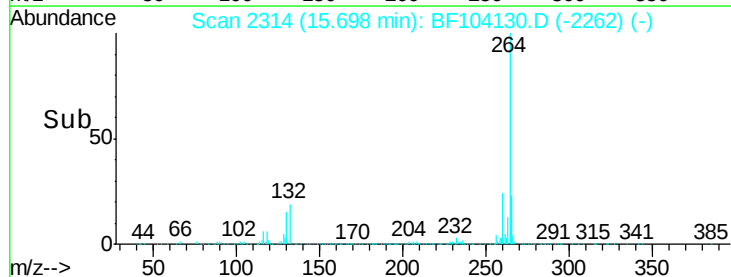
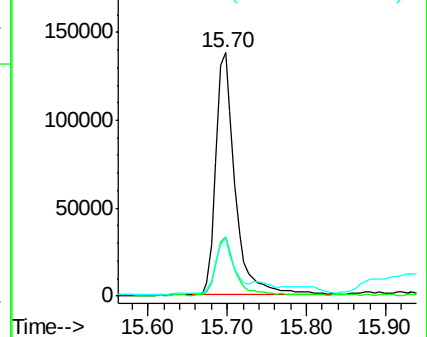
265 23.6 17.5 26.3

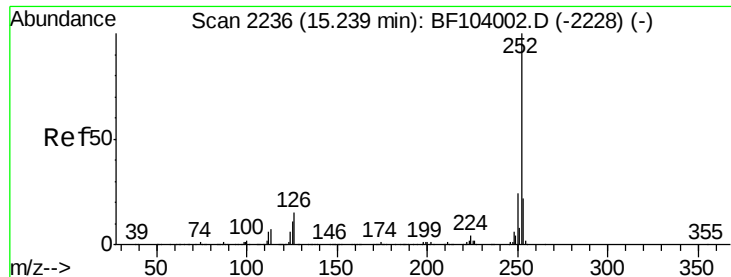


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 43.647 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

Instrument :

BNA_F

ClientSampleId :

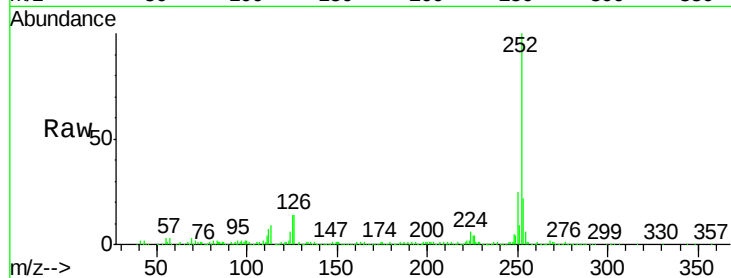
Tot Ion:252 Resp: 621622

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

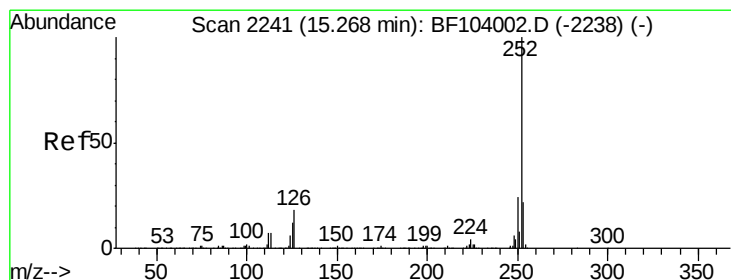
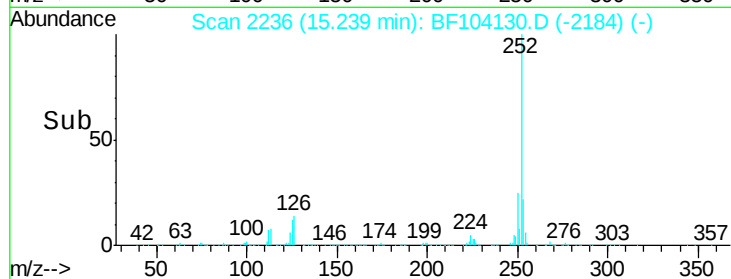
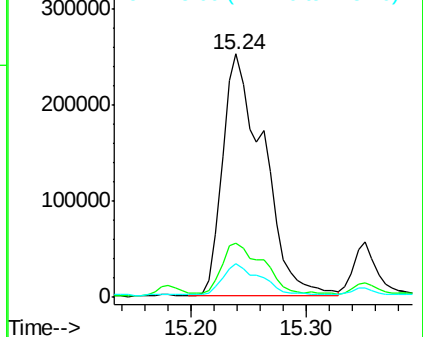
125 13.7 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 46.334 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF104130.D

Acq: 2 Apr 2018 13:03

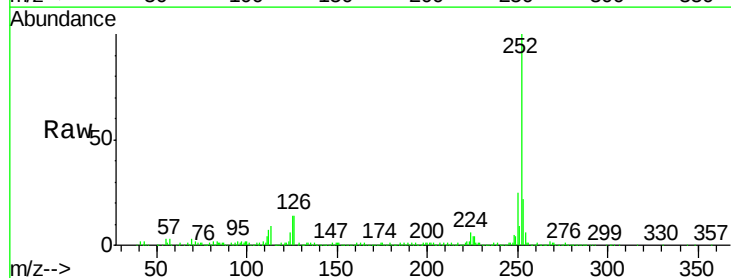
Tgt Ion:252 Resp: 621622

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

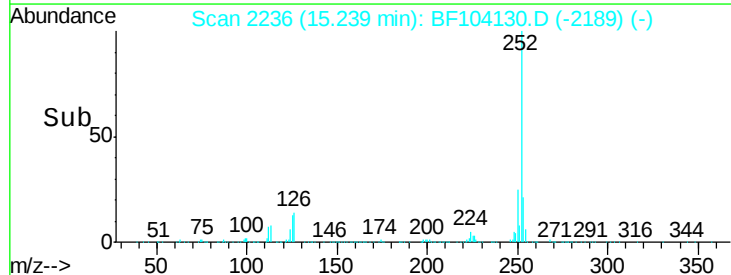
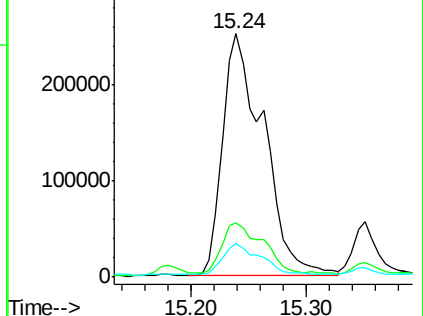
125 13.7 10.2 15.2

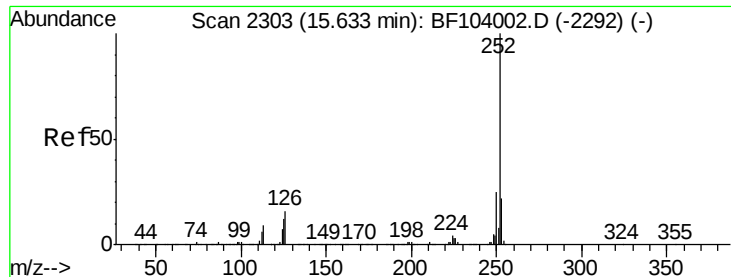


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

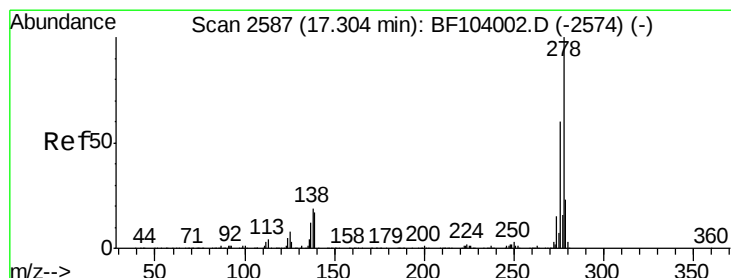
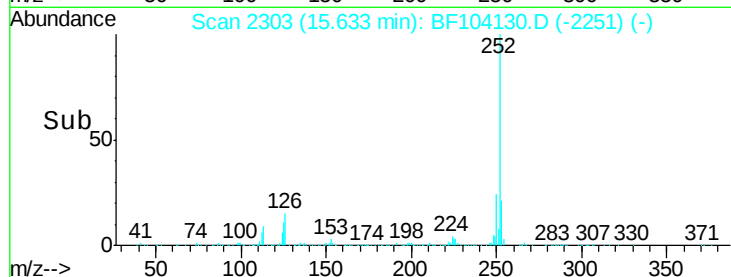
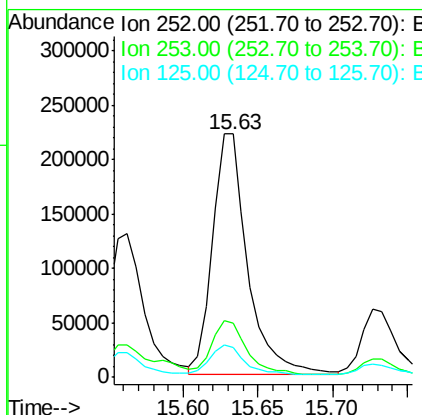
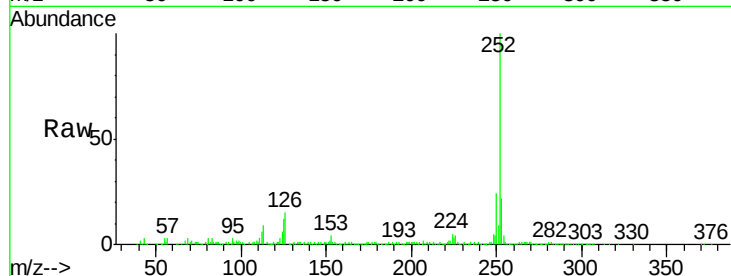




#89
Benzo(a)pyrene
Concen: 27.875 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

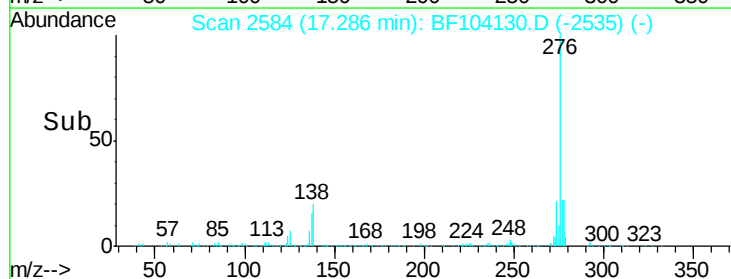
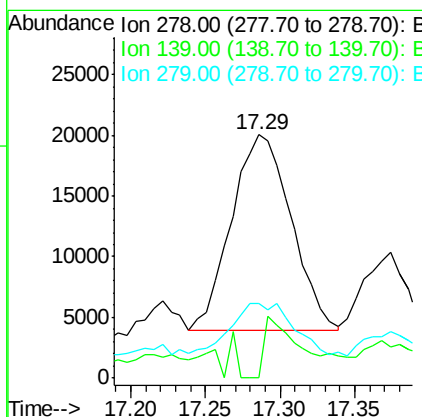
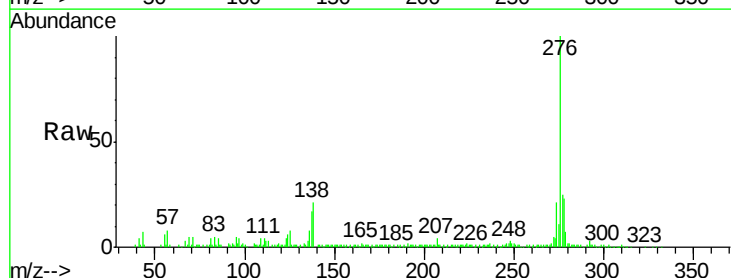
Instrument :
BNA_F
ClientSampled :

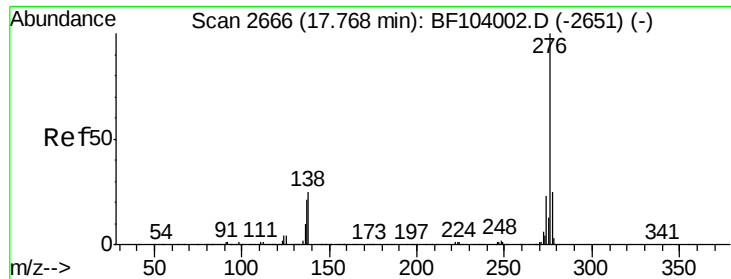
Tot Ion:252 Resp: 367888
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 12.1 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 3.679 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.01 min
Lab File: BF104130.D
Acq: 2 Apr 2018 13:03

Tgt Ion:278 Resp: 44889
Ion Ratio Lower Upper
278 100
139 0.0 15.9 23.9#
279 30.5 19.0 28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 17.101 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. -0.00 min
 Lab File: BF104130.D
 Acq: 2 Apr 2018 13:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	22.9	21.8	32.8

