

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
 Data File : BF118766.D
 Acq On : 30 Jan 2020 22:03
 Operator : CG/JU
 Sample : L1307-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 23:04:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	260363	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	952834	20.00	ng	-0.02
39) Acenaphthene-d10	9.88	164	491812	20.00	ng	-0.02
64) Phenanthrene-d10	11.37	188	811783	20.00	ng	-0.01
76) Chrysene-d12	14.01	240	611185	20.00	ng	-0.01
87) Perylene-d12	15.48	264	765200	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1044209	74.49	ng	-0.02
7) Phenol-d6	6.47	99	1294587	71.05	ng	-0.02
23) Nitrobenzene-d5	7.40	82	829853	48.71	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	398000	69.97	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1455376	48.64	ng	-0.02
79) Terphenyl-d14	12.95	244	1445415	51.58	ng	-0.01

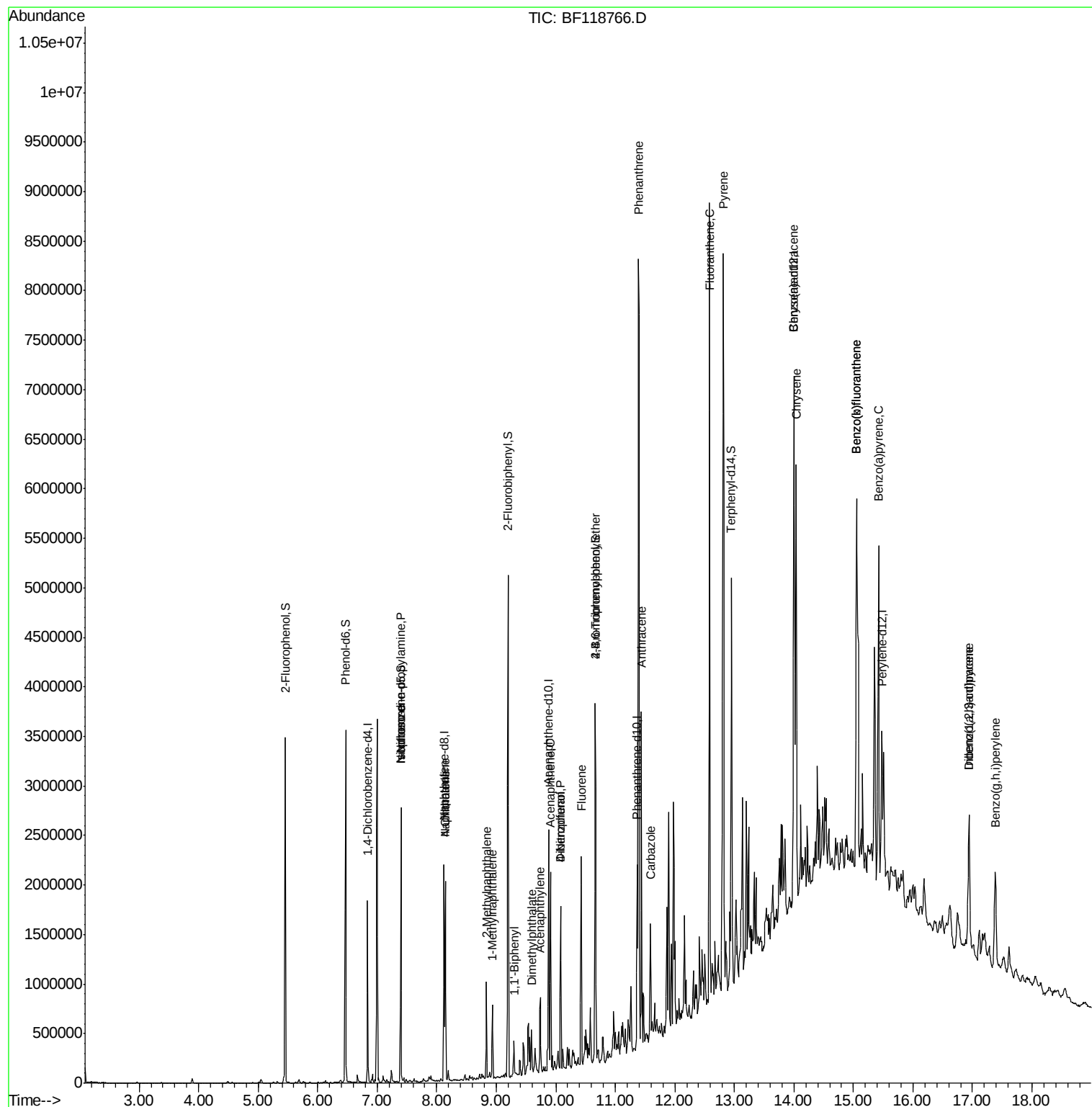
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	113462	9.222	ng	# 76
25) Isophorone	7.40	82	826111	26.588	ng	# 63
31) Naphthalene	8.15	128	763030	17.727	ng	# 98
33) 4-Chloroaniline	8.15	127	101203	5.087	ng	# 34
37) 2-Methylnaphthalene	8.83	142	257539	8.477	ng	# 99
38) 1-Methylnaphthalene	8.93	142	175629	6.085	ng	# 99
46) 1,1'-Biphenyl	9.30	154	90583	2.672	ng	# 98
49) Acenaphthylene	9.74	152	276746	6.886	ng	# 98
50) Dimethylphthalate	9.59	163	160702	5.015	ng	# 99
52) Acenaphthene	9.91	154	393170	14.629	ng	# 98
55) Dibenzofuran	10.08	168	540320	14.508	ng	# 97
56) 4-Nitrophenol	10.08	139	194242	31.405	ng	# 13
58) Fluorene	10.43	166	584747	19.999	ng	# 99
67) 4-Bromophenyl-phenylether	10.66	248	25364	2.529	ng	# 1
71) Phenanthrene	11.39	178	3409190	87.049	ng	# 97
72) Anthracene	11.44	178	1322079	34.116	ng	# 99
73) Carbazole	11.59	167	460149	12.945	ng	# 97
75) Fluoranthene	12.59	202	3719916	90.056	ng	# 98
78) Pvrene	12.82	202	3605776	86.899	ng	# 97
81) Benzo(a)anthracene	14.00	228	2011174	54.702	ng	# 95
83) Chrysene	14.04	228	1819795	51.645	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.94	276	994407	32.479	ng	# 97
88) Benzo(b)fluoranthene	15.06	252	3296790	68.543	ng	# 98
89) Benzo(k)fluoranthene	15.06	252	3296790	73.984	ng	# 99
90) Benzo(a)pyrene	15.42	252	1813965	43.719	ng	# 98
91) Dibenzo(a,h)anthracene	16.94	278	278271	7.582	ng	# 79
92) Benzo(g,h,i)perylene	17.39	276	867080	24.332	ng	# 99

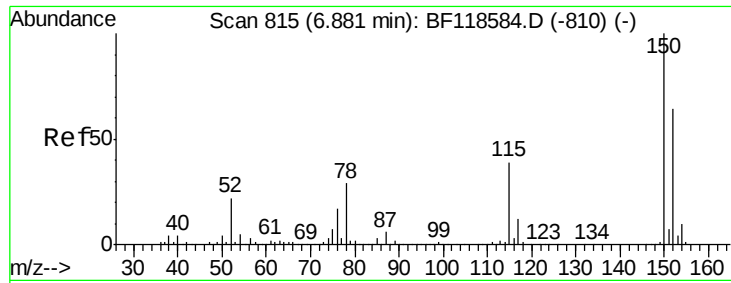
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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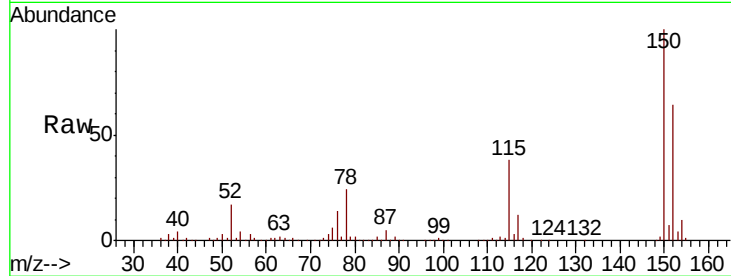


#1

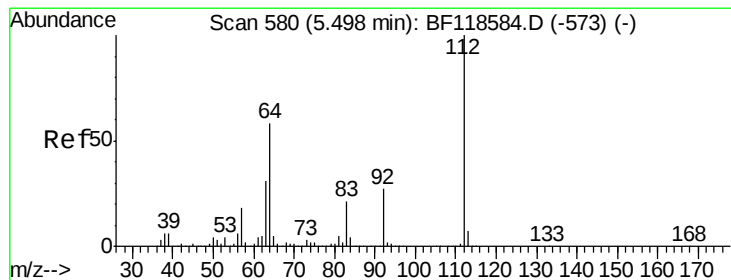
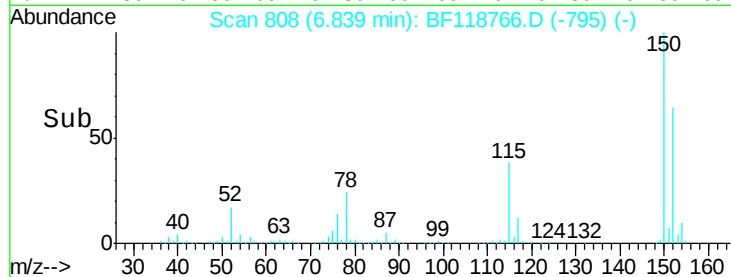
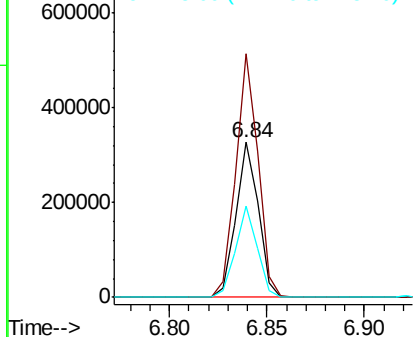
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.02 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.7	185.5
115	58.9	45.1	67.7



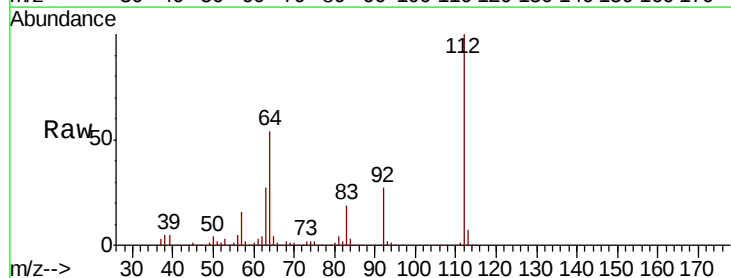
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



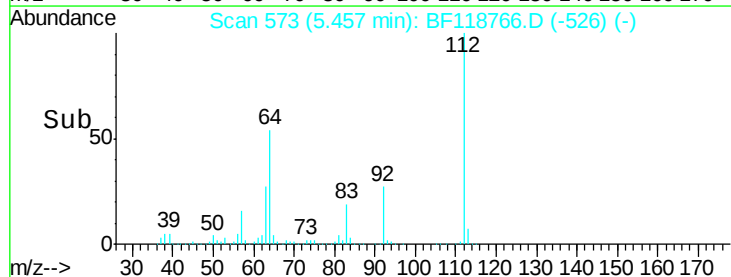
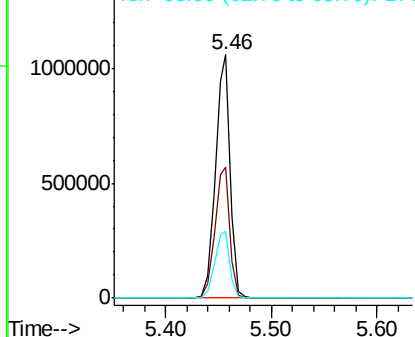
#5

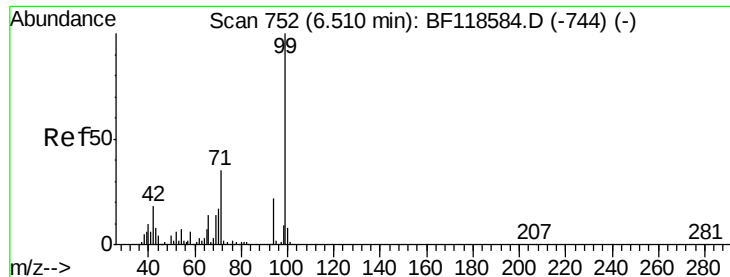
2-Fluorophenol
Concen: 74.487 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	42.4	63.6
63	27.4	21.7	32.5



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: 71.050 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

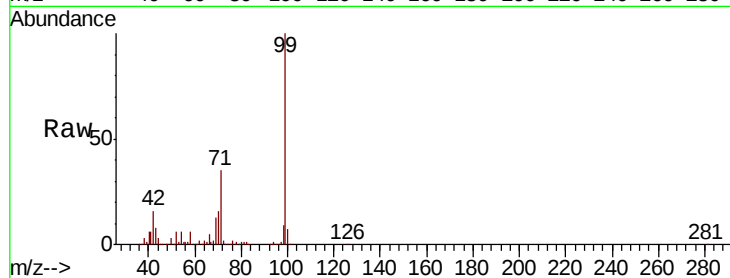
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1294587

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.1	19.7
71	34.7	28.4	42.6

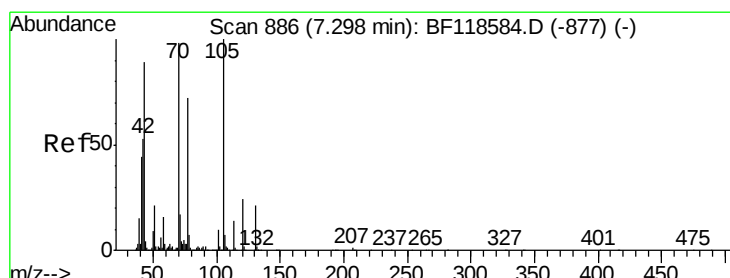
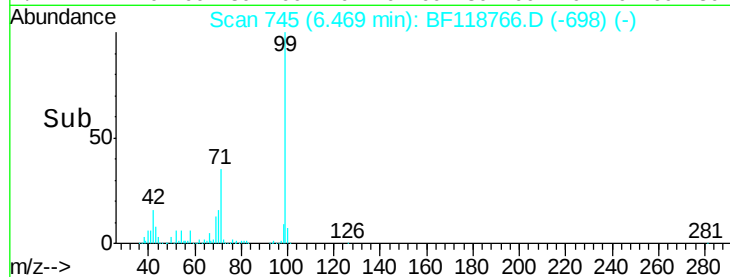


Abundance

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: 9.222 ng

RT: 7.40 min Scan# 903

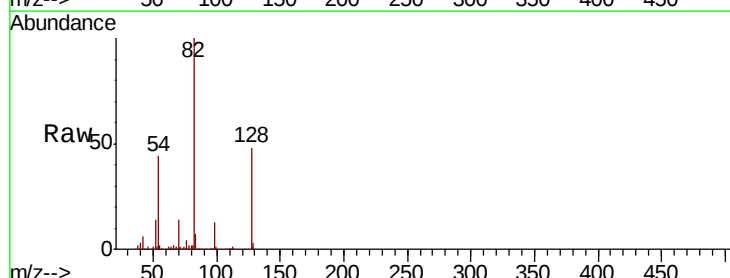
Delta R.T. 0.12 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Tgt Ion: 70 Resp: 113462

Ion	Ratio	Lower	Upper
70	100		
42	41.4	41.6	62.4#
101	0.0	7.9	11.9#
130	2.1	19.0	28.6#



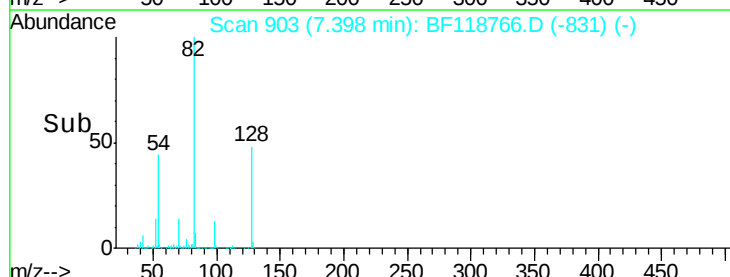
Abundance

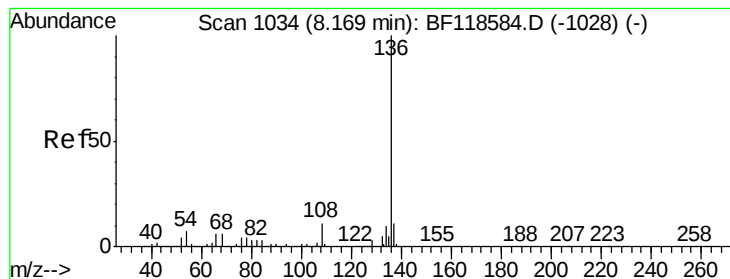
Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 952834

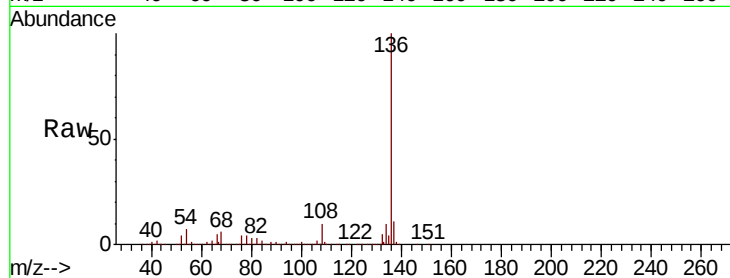
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.9 5.1 7.7

68 6.0 4.3 6.5

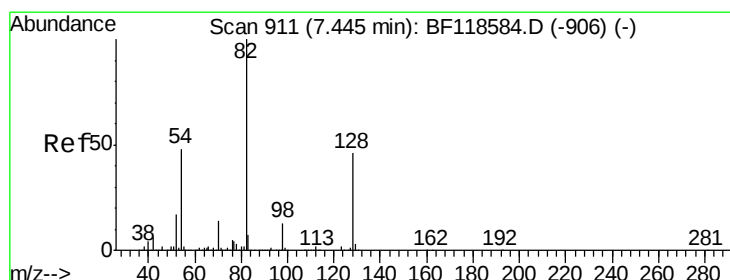
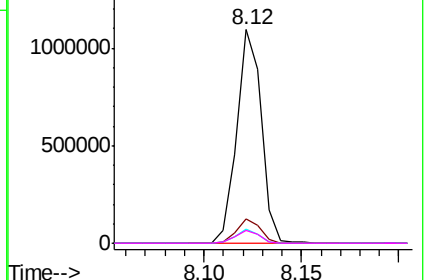
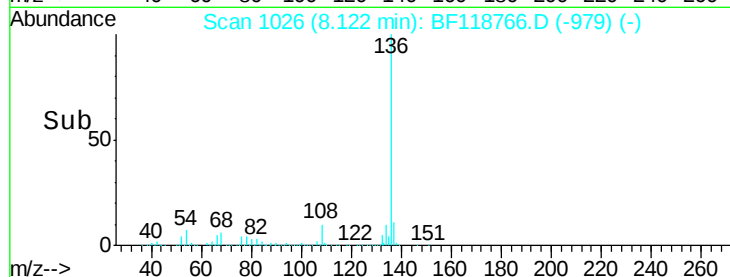


Abundance Ion 136.00 (135.70 to 136.70): E

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: 48.715 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

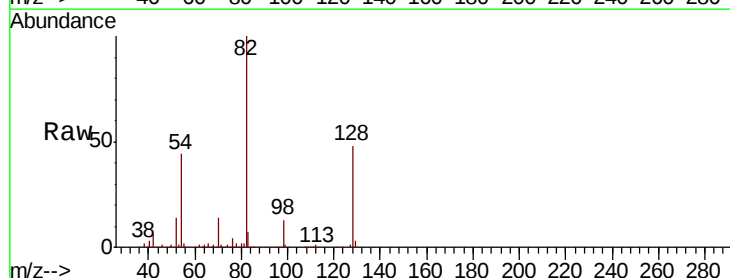
Tgt Ion: 82 Resp: 829853

Ion Ratio Lower Upper

82 100

128 48.4 38.2 57.2

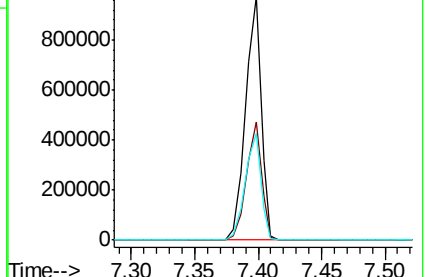
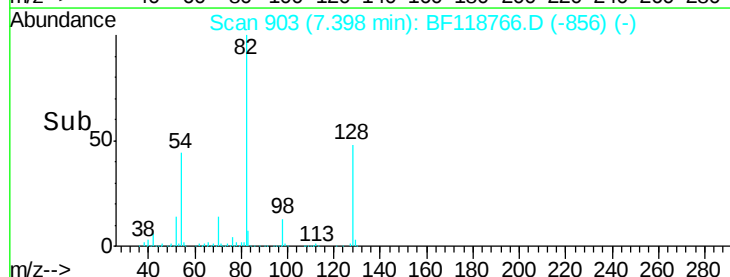
54 43.6 36.1 54.1



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: 26.588 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Instrument :

BNA_F

ClientSampleId :

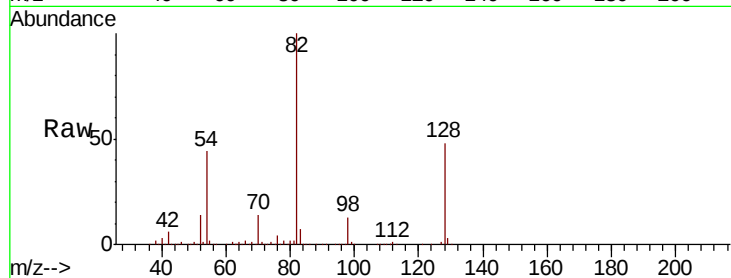
Tot Ion: 82 Resp: 826111

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

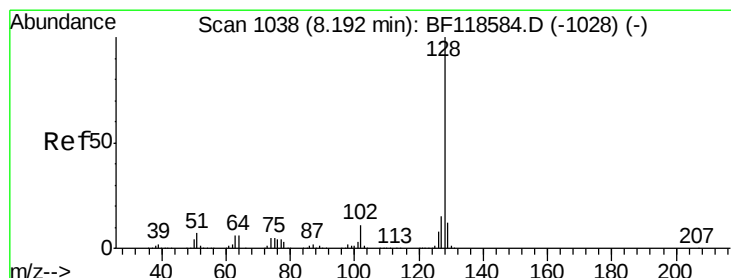
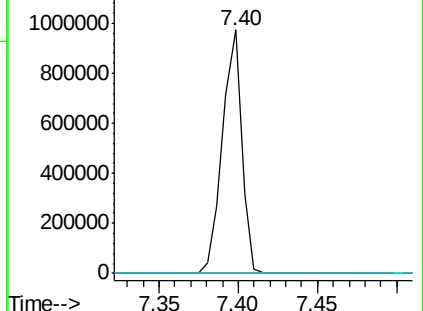
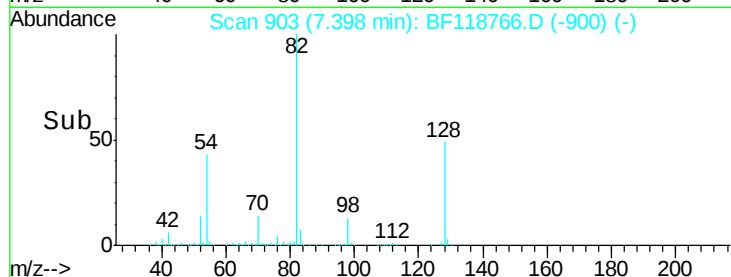
138 0.0 15.8 23.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 17.727 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

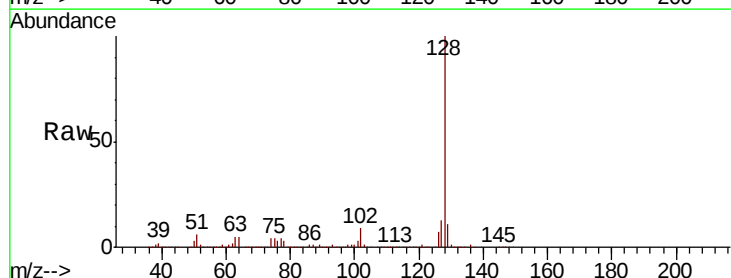
Tgt Ion: 128 Resp: 763030

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.0

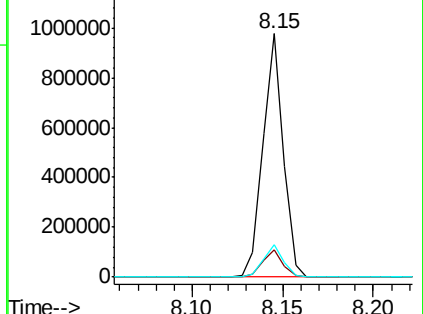
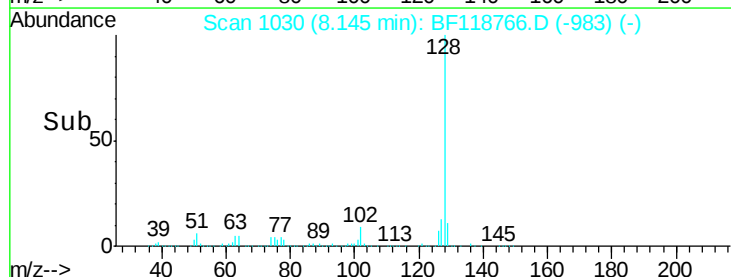
127 13.2 11.3 16.9

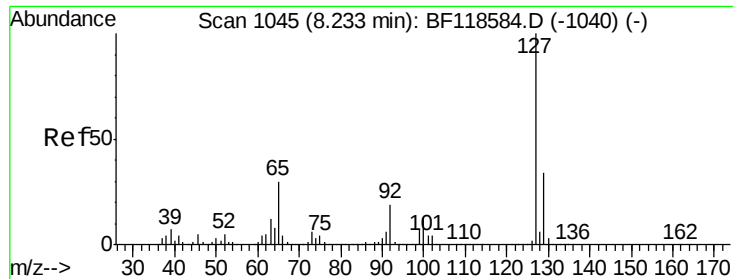


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

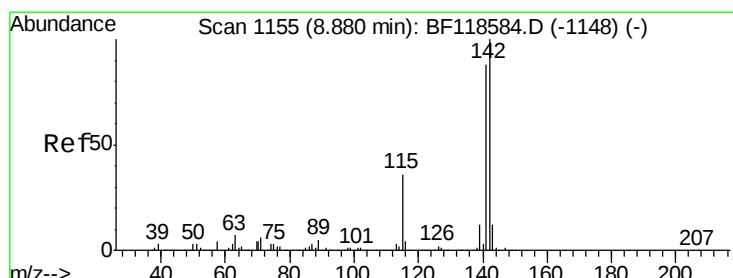
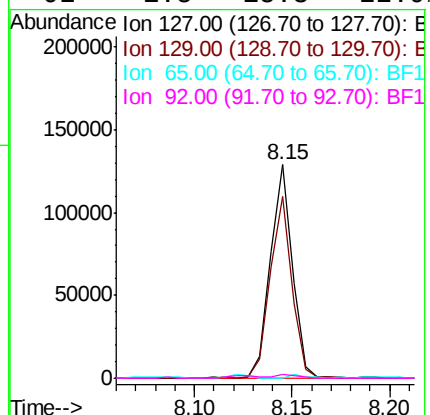
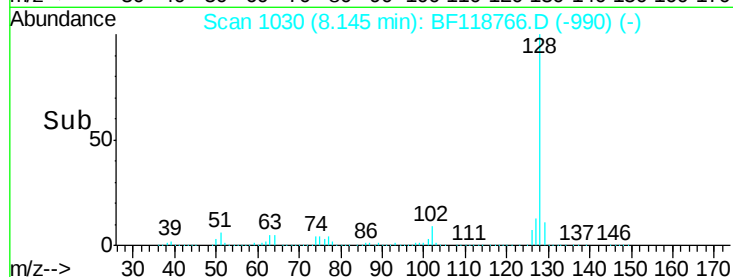
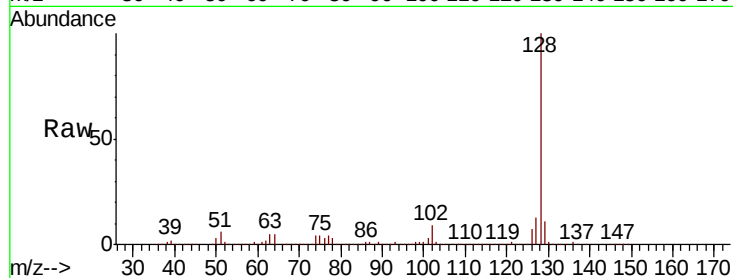




#33
4-Chloroaniline
Concen: 5.087 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

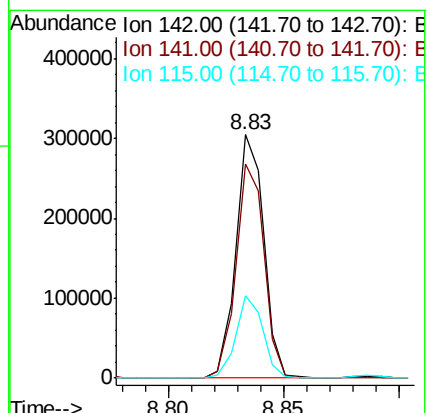
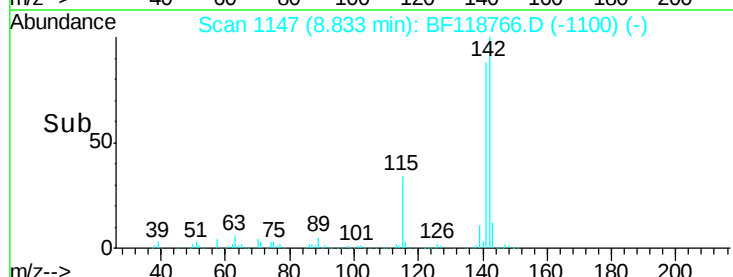
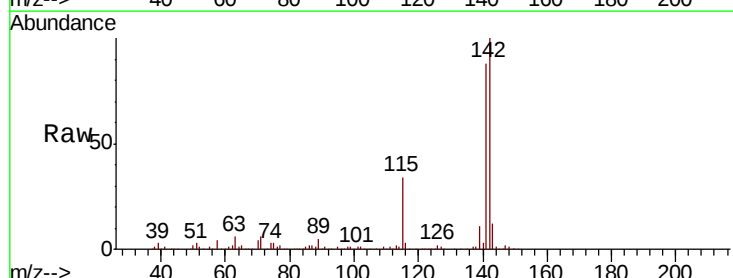
Instrument :
BNA_F
ClientSampleId :

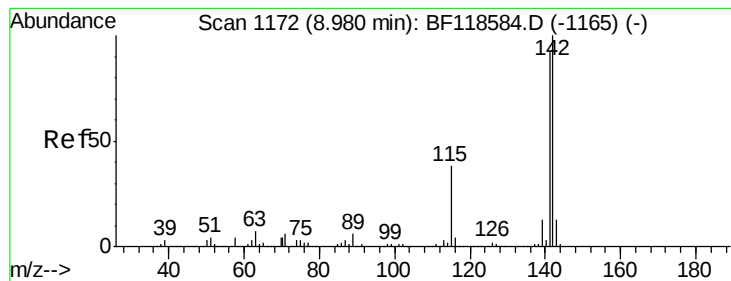
Tot Ion:	127	Resp:	101203
Ion	Ratio	Lower	Upper
127	100		
129	85.4	26.4	39.6#
65	0.0	22.6	33.8#
92	1.5	15.3	22.9#



#37
2-Methylnaphthalene
Concen: 8.477 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

Tgt Ion:	142	Resp:	257539
Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.4	107.0
115	33.8	27.5	41.3





#38

1-Methylnaphthalene

Concen: 6.085 ng

RT: 8.93 min Scan# 1164

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Instrument :

BNA_F

ClientSampleId :

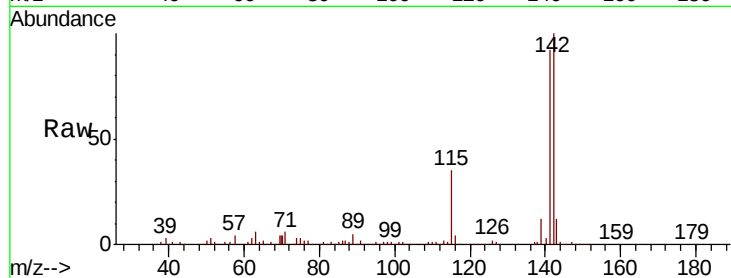
Tot Ion:142 Resp: 175629

Ion Ratio Lower Upper

142 100

141 92.5 73.5 110.3

116 3.8 3.0 4.6

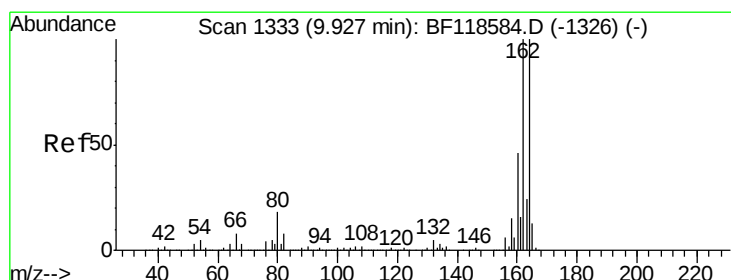
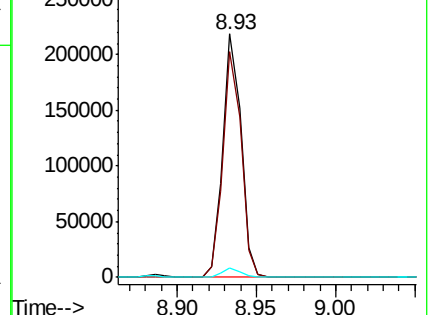
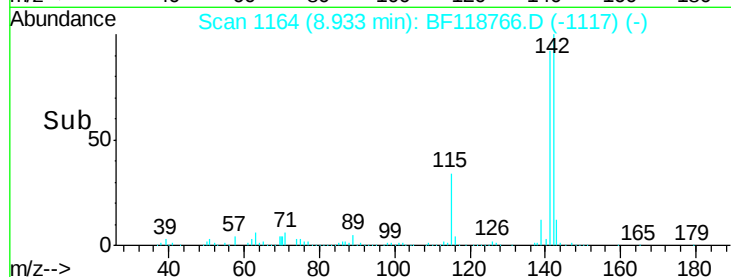


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

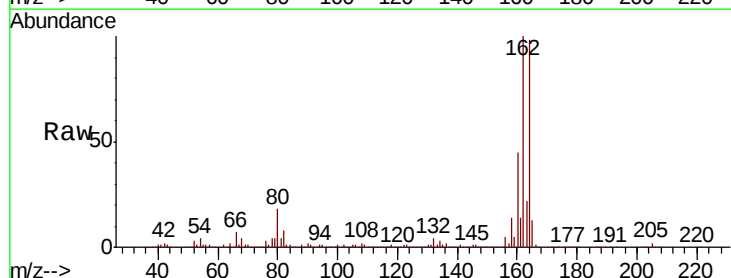
Tgt Ion:164 Resp: 491812

Ion Ratio Lower Upper

164 100

162 102.2 80.8 121.2

160 45.6 35.4 53.0

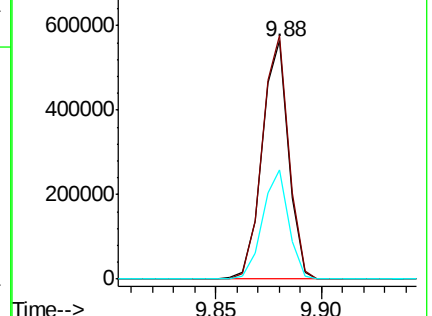
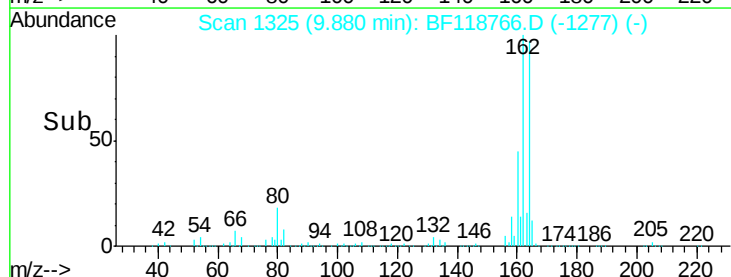


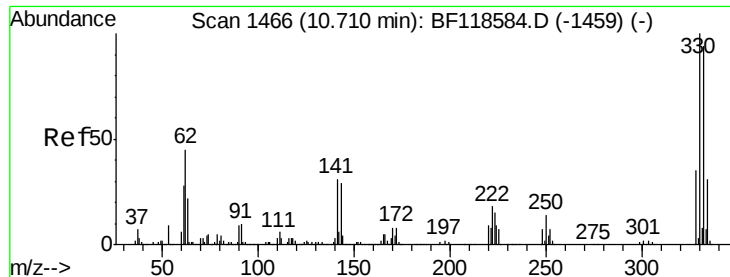
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 69.967 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Instrument :

BNA_F

ClientSampled :

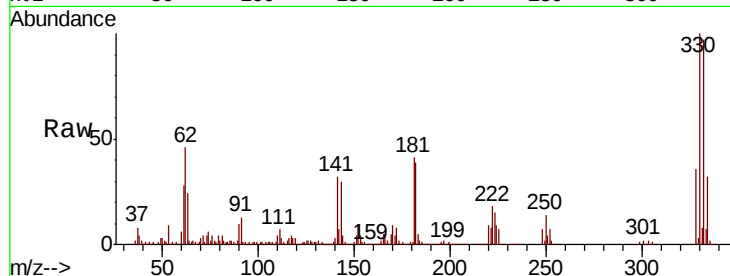
Tot Ion:330 Resp: 398000

Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

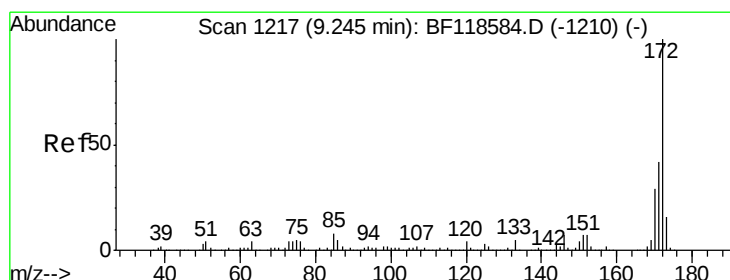
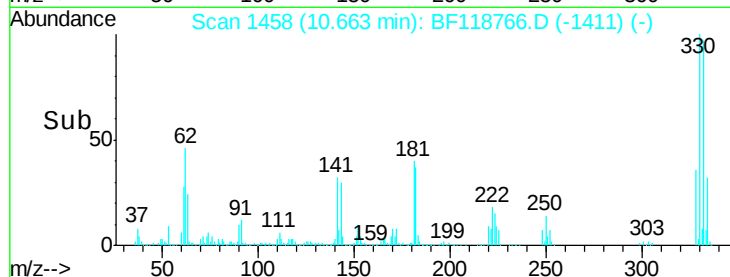
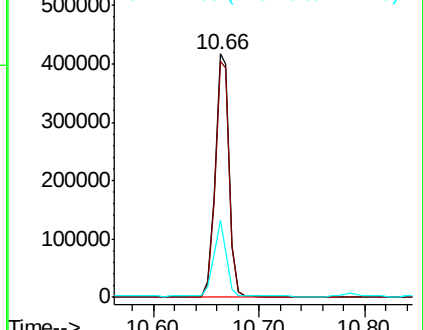
141 28.1 22.2 33.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 48.638 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

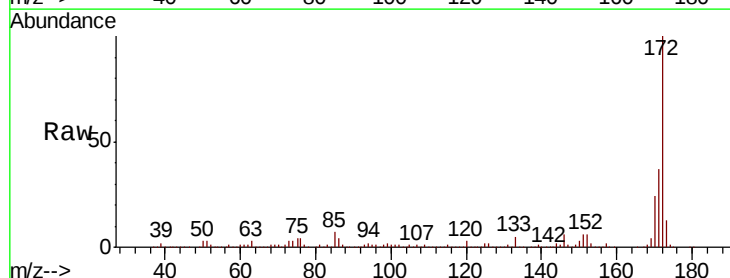
Tgt Ion:172 Resp: 1455376

Ion Ratio Lower Upper

172 100

171 36.6 31.0 46.4

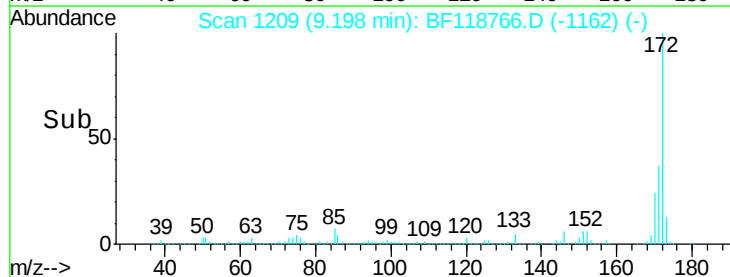
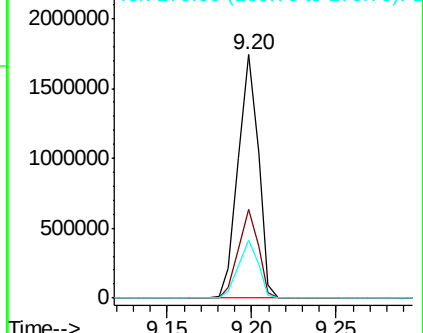
170 23.9 20.7 31.1

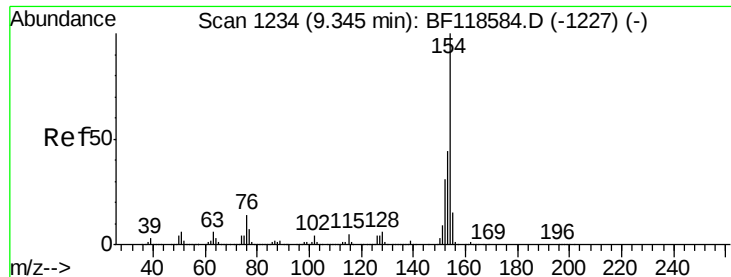


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 2.672 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Instrument :

BNA_F

ClientSampleId :

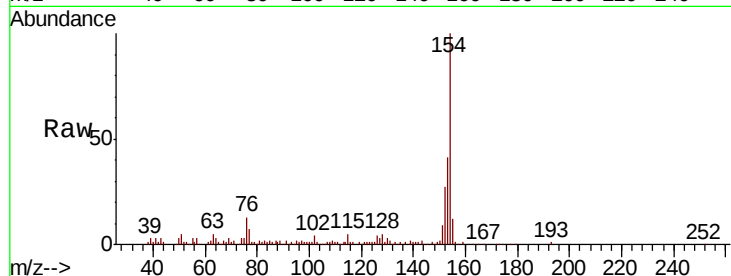
Tot Ion:154 Resp: 90583

Ion Ratio Lower Upper

154 100

153 41.4 22.3 62.3

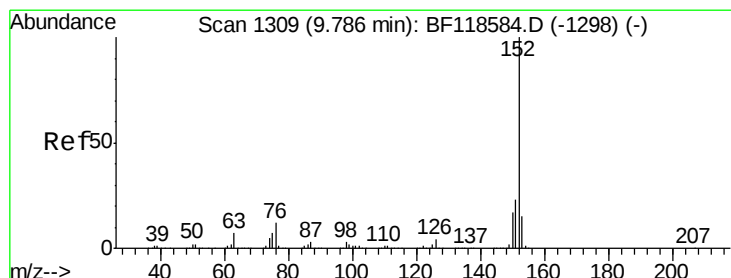
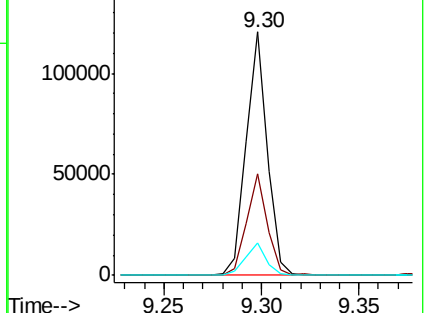
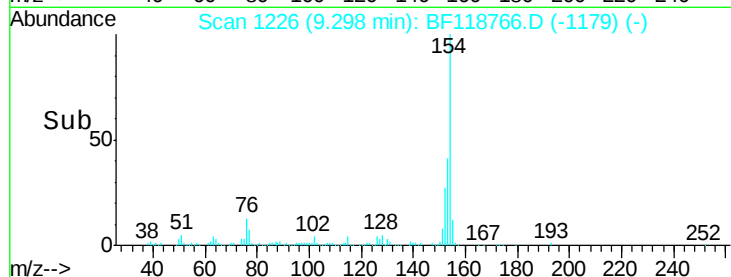
76 13.1 0.0 32.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49

Acenaphthylene

Concen: 6.886 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

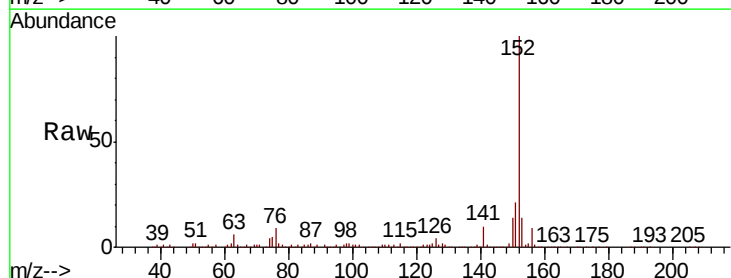
Tgt Ion:152 Resp: 276746

Ion Ratio Lower Upper

152 100

151 20.5 17.1 25.7

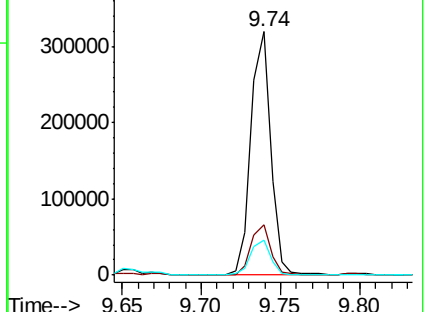
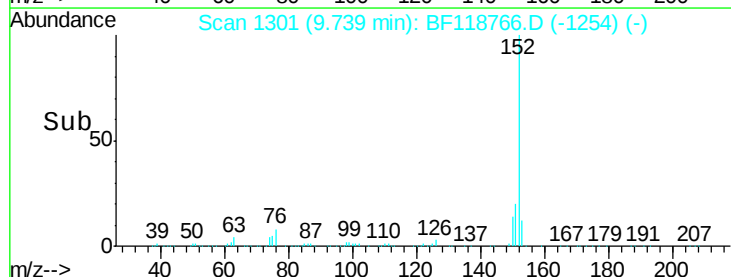
153 14.3 11.0 16.4

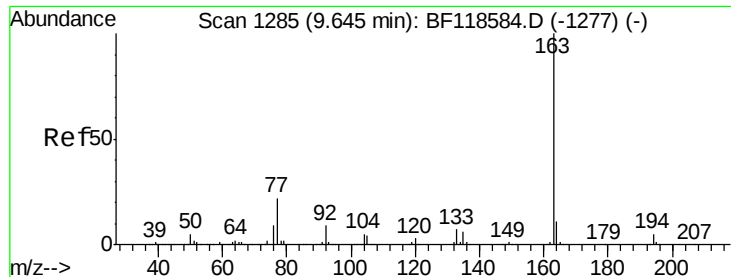


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

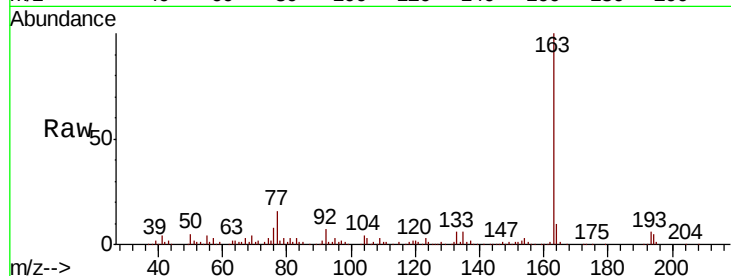




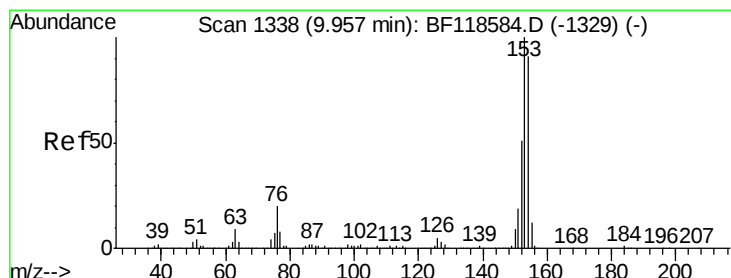
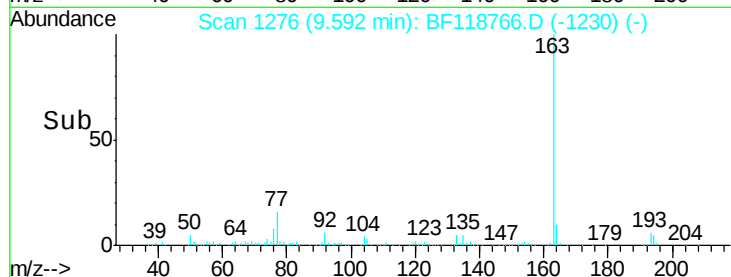
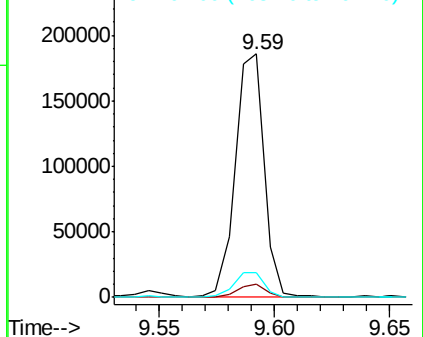
#50
Dimethylphthalate
Concen: 5.015 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 160702
Ion Ratio Lower Upper
163 100
194 5.4 3.7 5.5
164 10.0 8.2 12.2

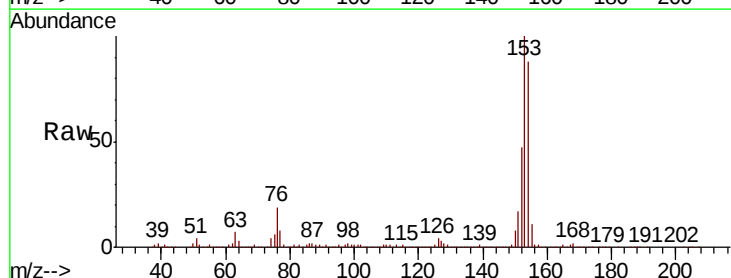


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

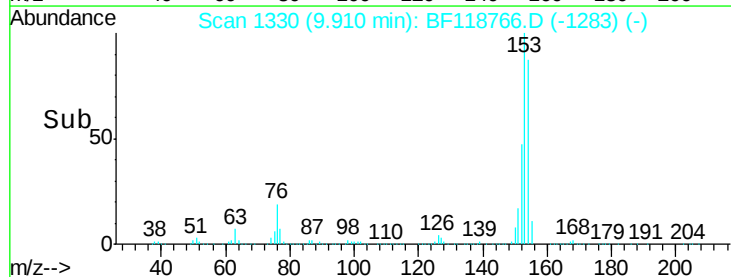
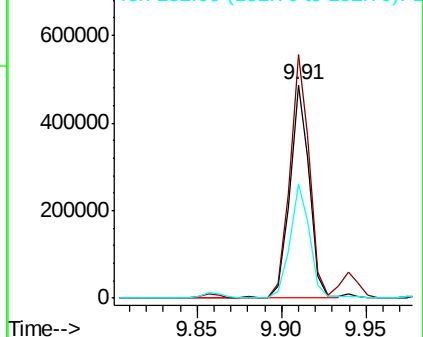


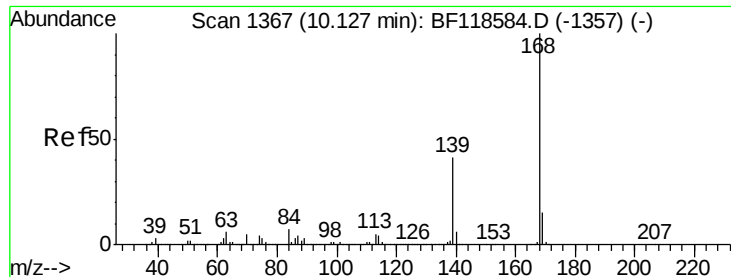
#52
Acenaphthene
Concen: 14.629 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

Tgt Ion:154 Resp: 393170
Ion Ratio Lower Upper
154 100
153 114.2 89.1 133.7
152 53.9 43.0 64.6



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

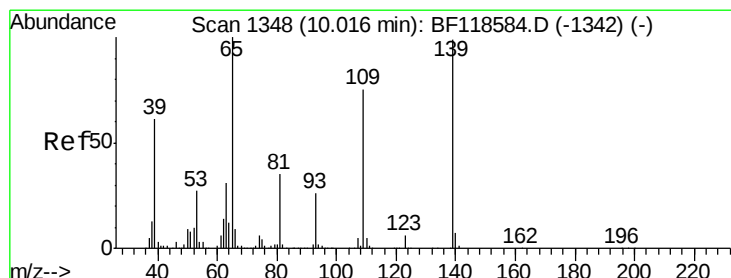
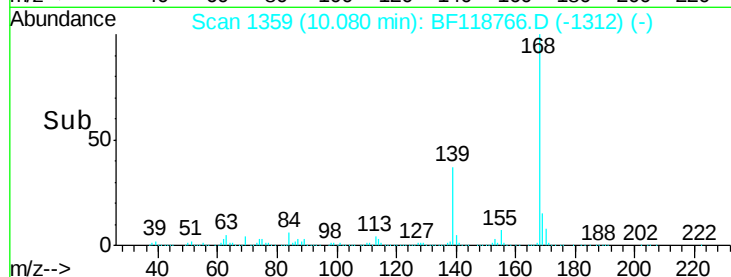
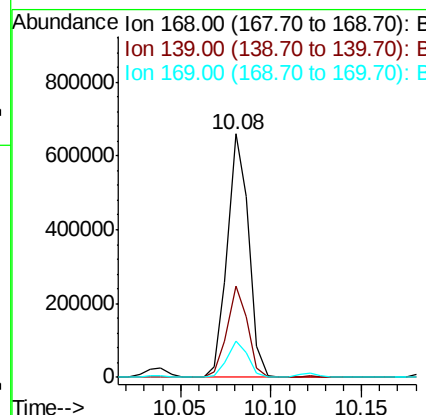
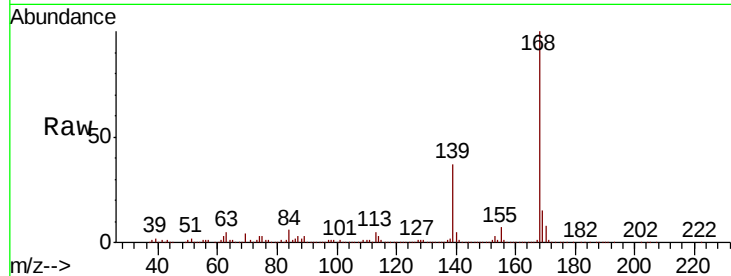




#55
Dibenzofuran
Concen: 14.508 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

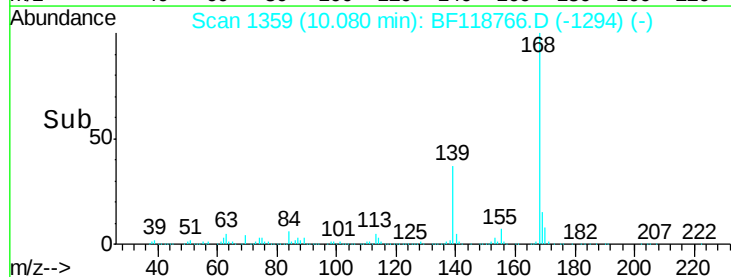
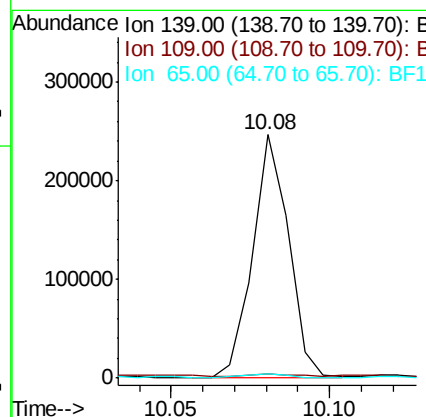
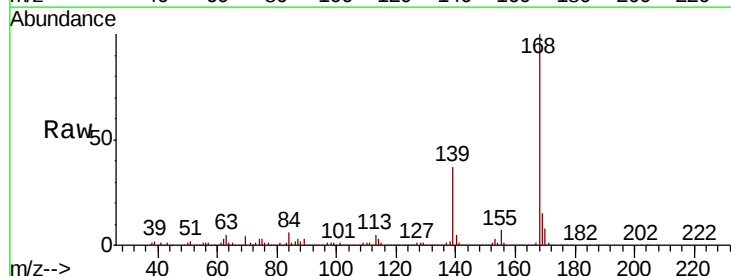
Instrument :
BNA_F
ClientSampleId :

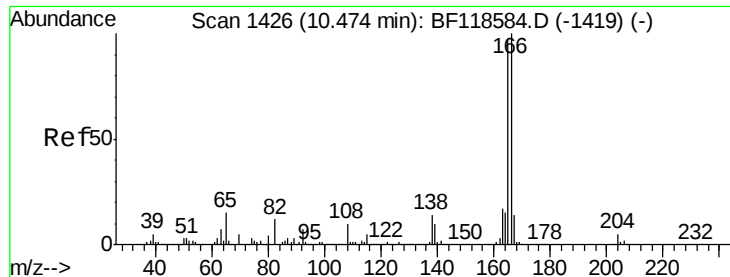
Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	31.6	47.4
169	15.0	11.4	17.0



#56
4-Nitrophenol
Concen: 31.405 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.08 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.8	47.0	87.0#
65	1.8	65.7	105.7#





#58

Fluorene

Concen: 19.999 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

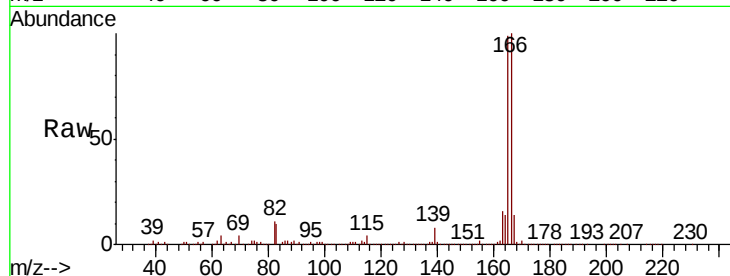
Instrument :

BNA_F

ClientSampleId :

Tot Ion:166 Resp: 584747

Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.6	118.0
167	13.5	11.4	17.2

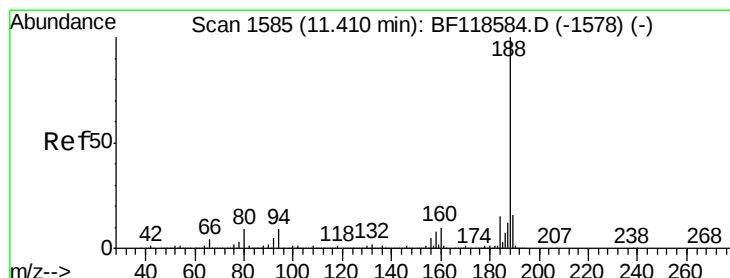
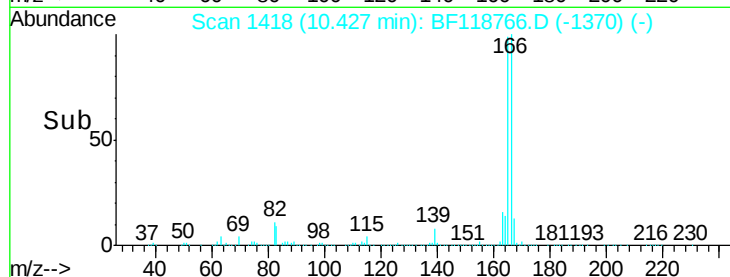
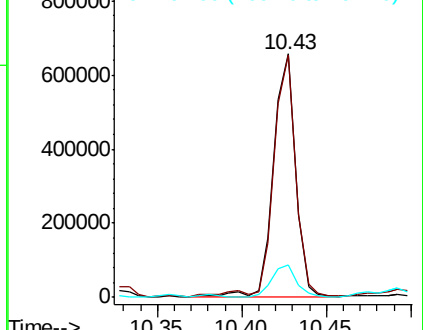


Abundance

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

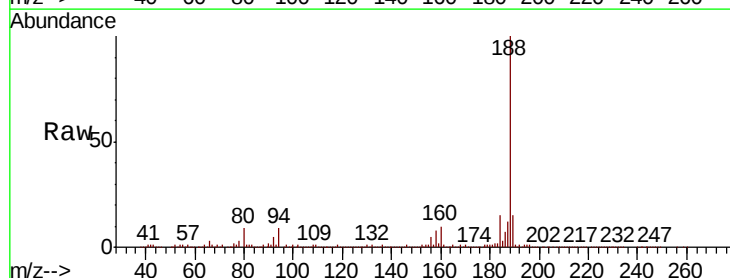
Delta R.T. -0.01 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Tgt Ion:188 Resp: 811783

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.4	11.2
80	8.8	7.8	11.8

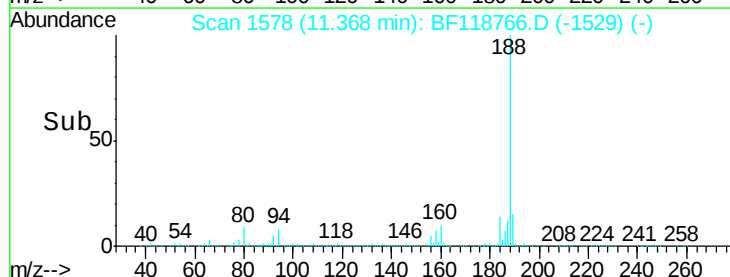
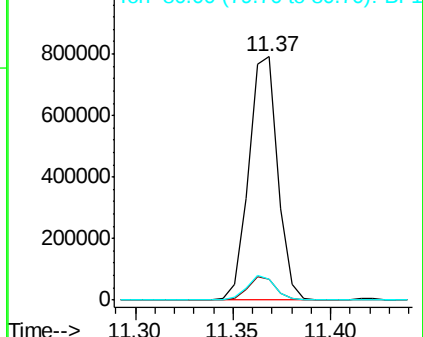


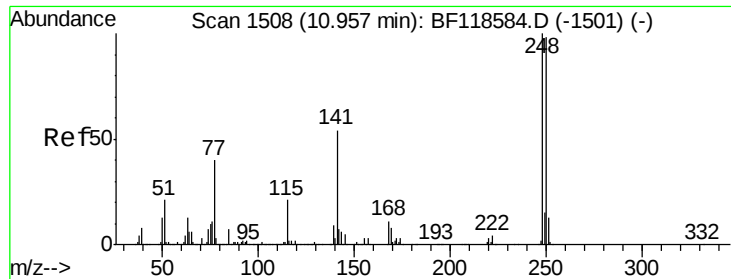
Abundance

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

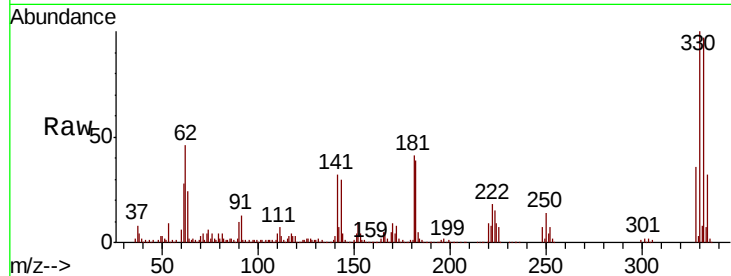




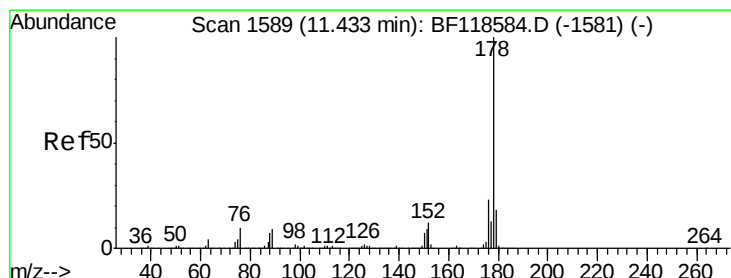
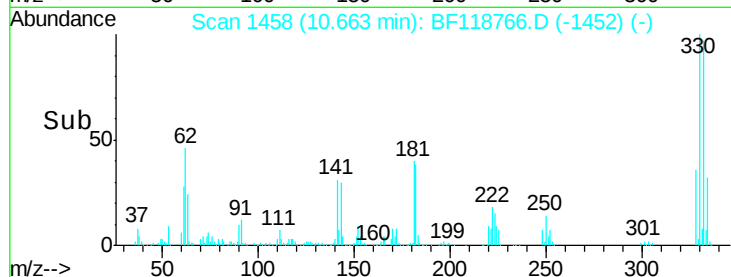
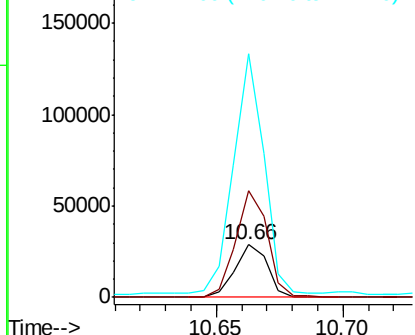
#67
4-Bromophenyl-phenylether
Concen: 2.529 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.26 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 25364
Ion Ratio Lower Upper
248 100
250 203.9 78.7 118.1#
141 464.9 48.4 72.6#

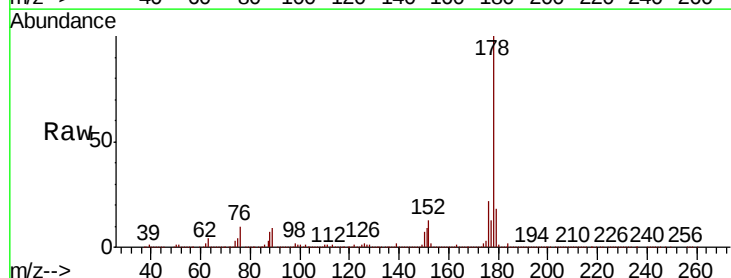


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

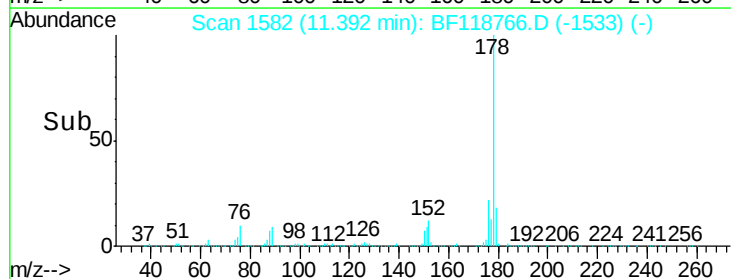
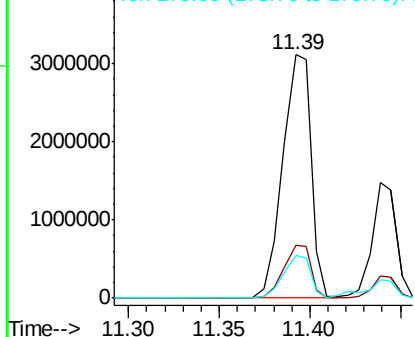


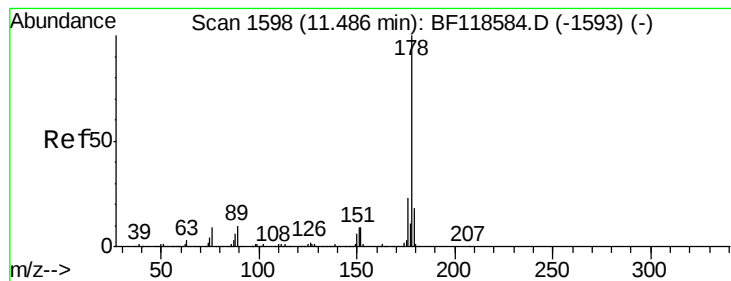
#71
Phenanthrene
Concen: 87.049 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

Tgt Ion:178 Resp: 3409190
Ion Ratio Lower Upper
178 100
176 21.8 16.5 24.7
179 17.6 13.3 19.9



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





#72

Anthracene

Concen: 34.116 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Instrument :

BNA_F

ClientSampled :

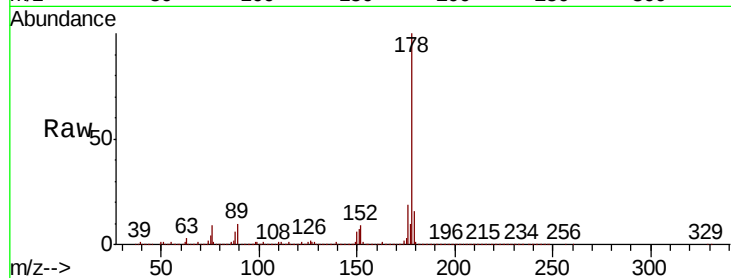
Tot Ion:178 Resp: 1322079

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

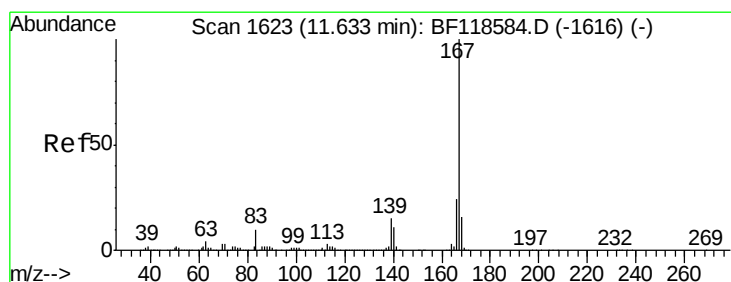
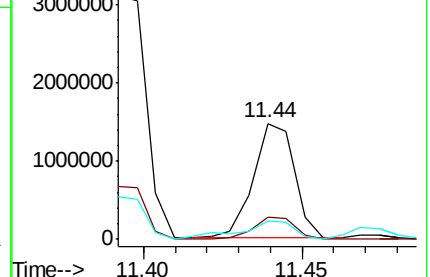
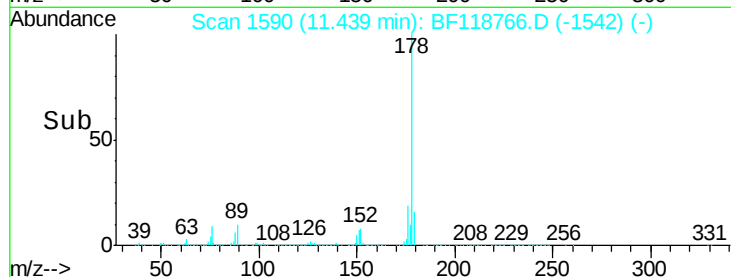
179 16.2 13.3 19.9



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



#73

Carbazole

Concen: 12.945 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

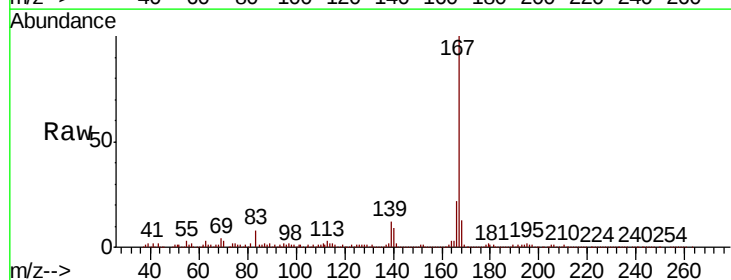
Tgt Ion:167 Resp: 460149

Ion Ratio Lower Upper

167 100

166 21.6 18.3 27.5

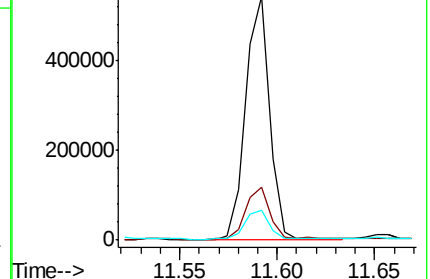
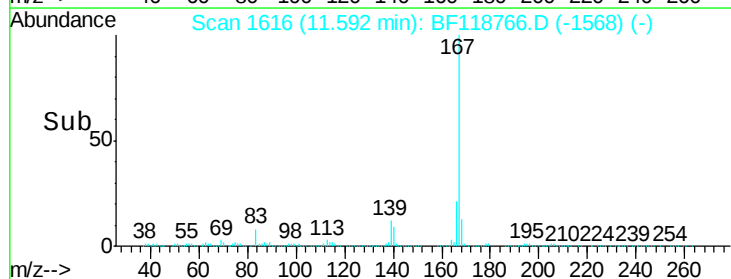
139 12.2 11.0 16.4

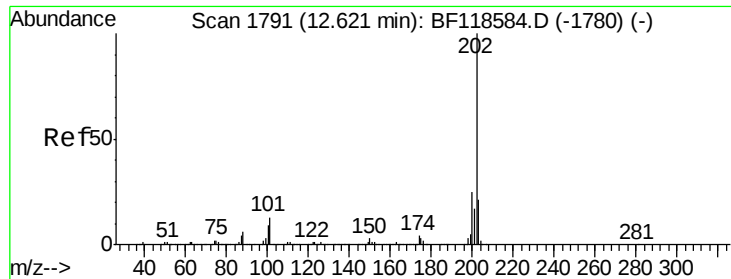


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 90.056 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Instrument :

BNA_F

ClientSampleId :

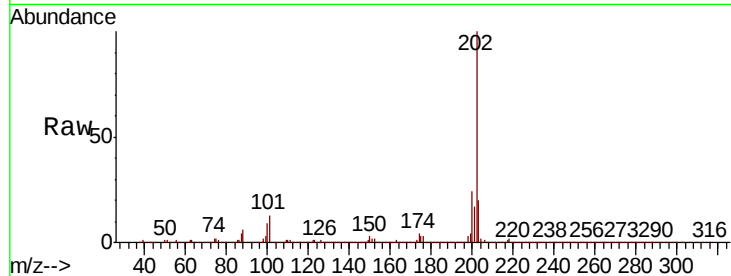
Tot Ion:202 Resp: 3719916

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	32.1
203	20.3	0.0	38.9

202 100

101 12.6 0.0 32.1

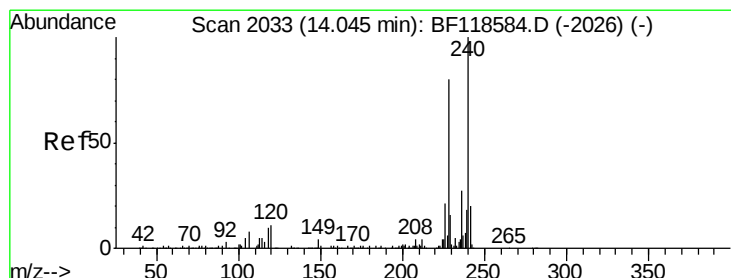
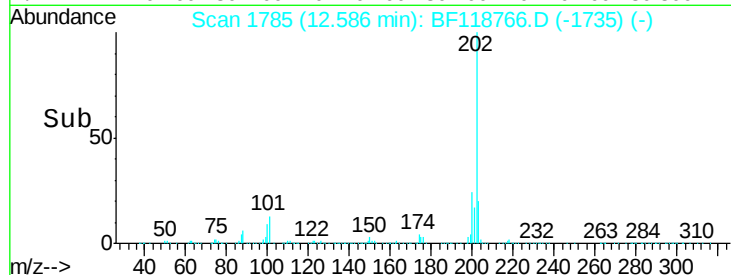
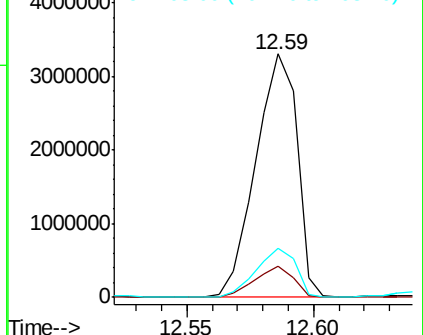
203 20.3 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

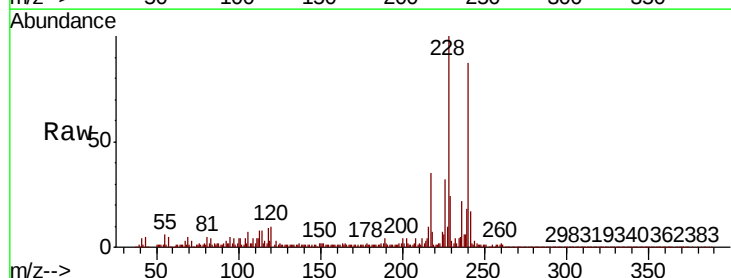
Tgt Ion:240 Resp: 611185

Ion	Ratio	Lower	Upper
240	100		
120	11.6	7.6	11.4#
236	25.9	21.0	31.4

240 100

120 11.6 7.6 11.4#

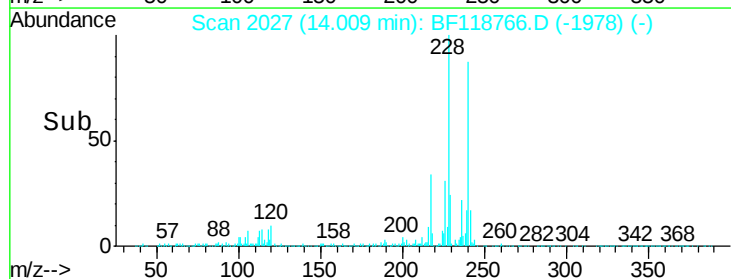
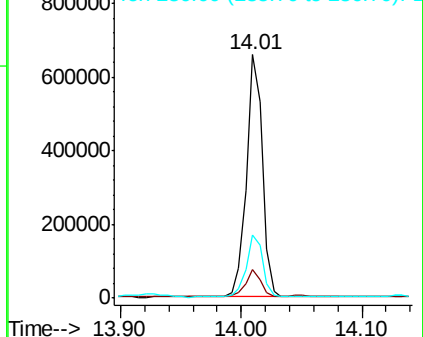
236 25.9 21.0 31.4

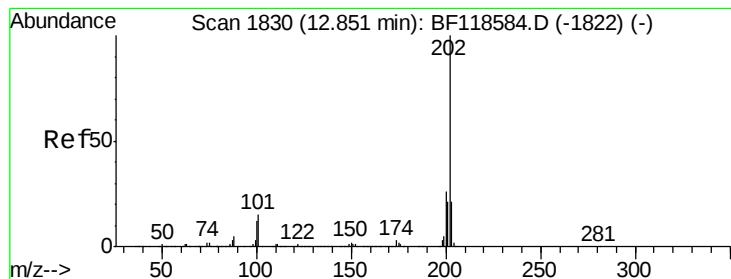


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 86.899 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Instrument :

BNA_F

ClientSampleId :

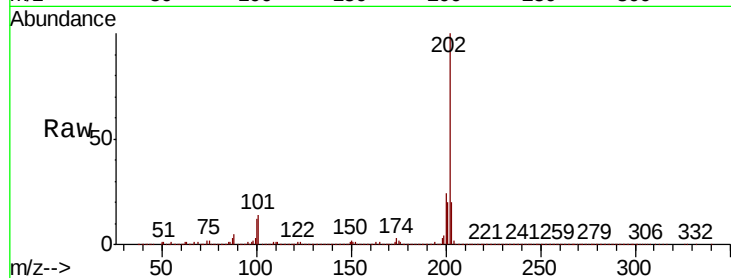
Tot Ion:202 Resp: 3605776

Ion Ratio Lower Upper

202 100

200 23.9 18.1 27.1

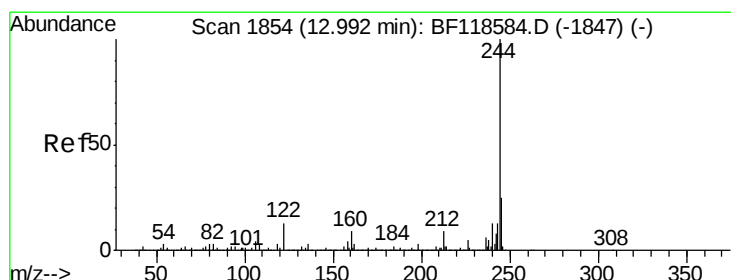
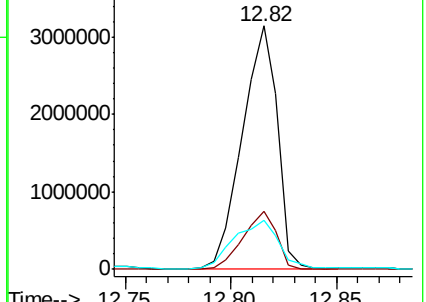
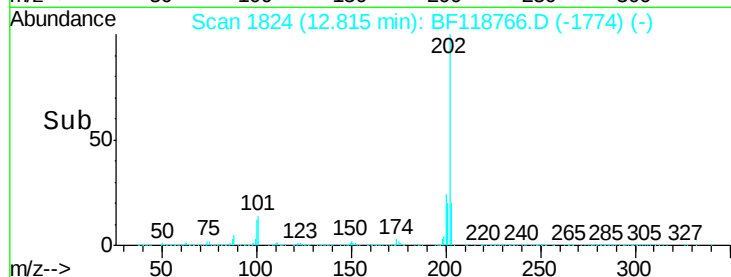
203 20.3 15.2 22.8



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



#79

Terphenyl-d14

Concen: 51.582 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

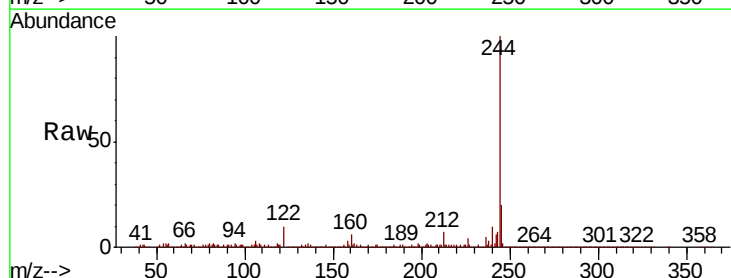
Tgt Ion:244 Resp: 1445415

Ion Ratio Lower Upper

244 100

212 6.7 6.3 9.5

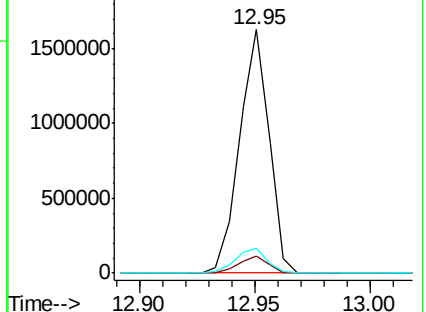
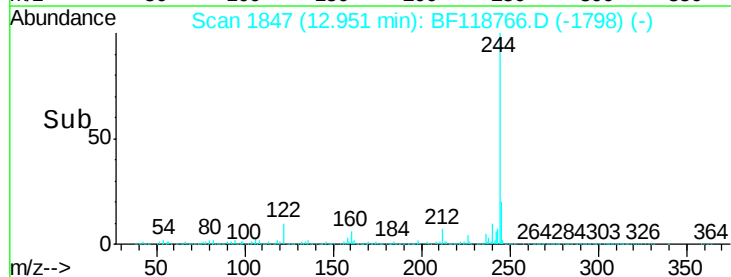
122 10.1 9.2 13.8

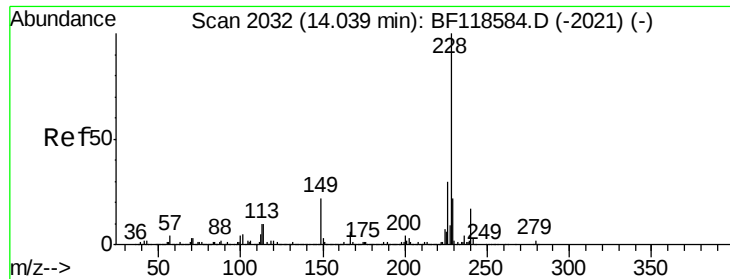


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

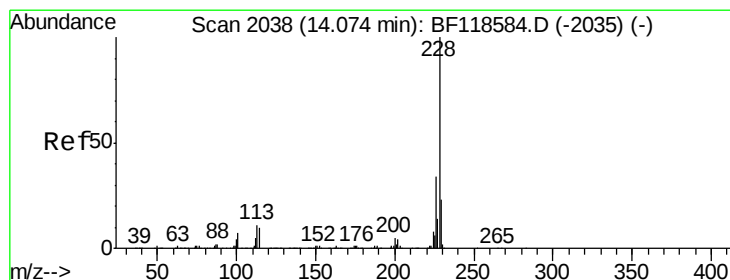
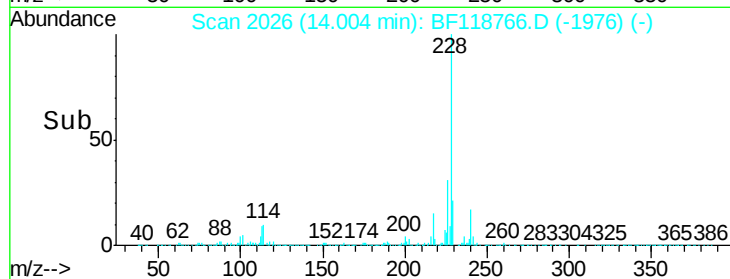
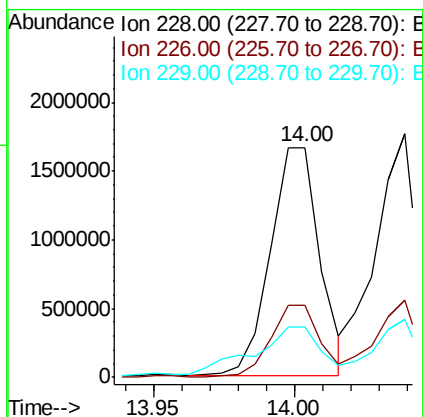
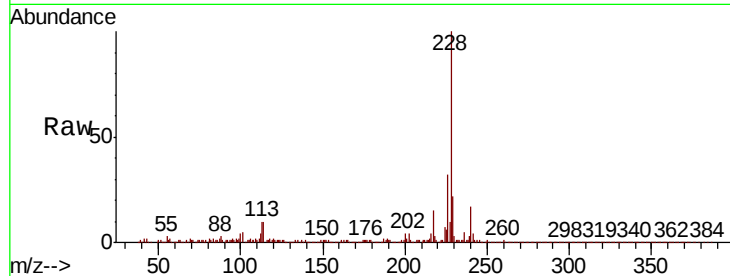




#81
Benzo(a)anthracene
Concen: 54.702 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

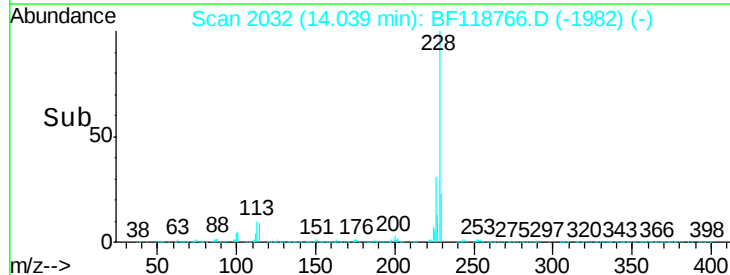
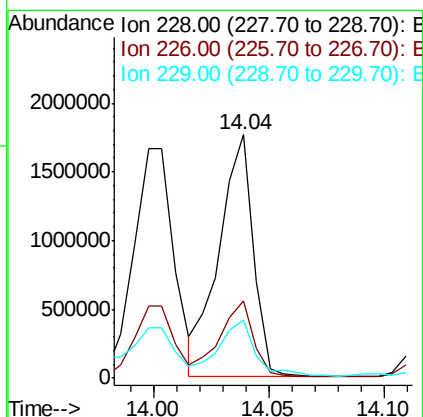
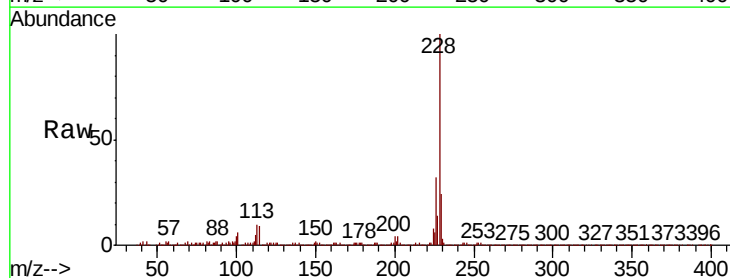
Instrument :
BNA_F
ClientSampleId :

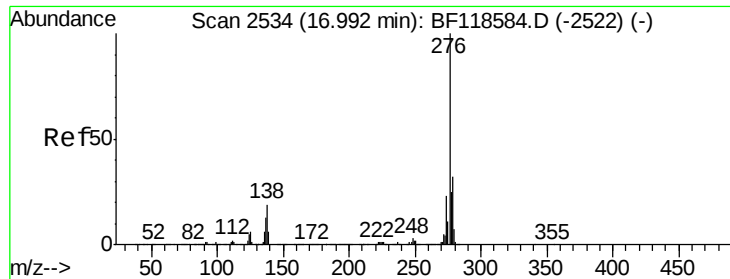
Tot Ion:228 Resp: 2011174
Ion Ratio Lower Upper
228 100
226 31.6 22.6 34.0
229 22.0 16.6 25.0



#83
Chrysene
Concen: 51.645 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

Tgt Ion:228 Resp: 1819795
Ion Ratio Lower Upper
228 100
226 31.5 25.6 38.4
229 23.9 17.1 25.7

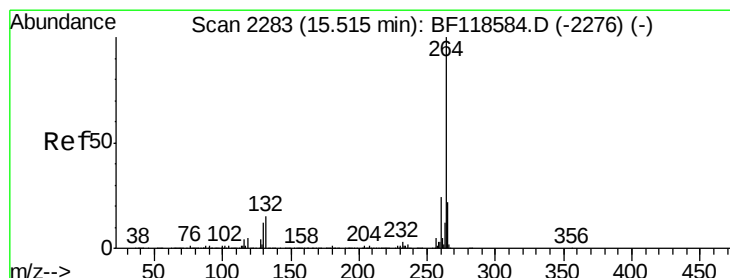
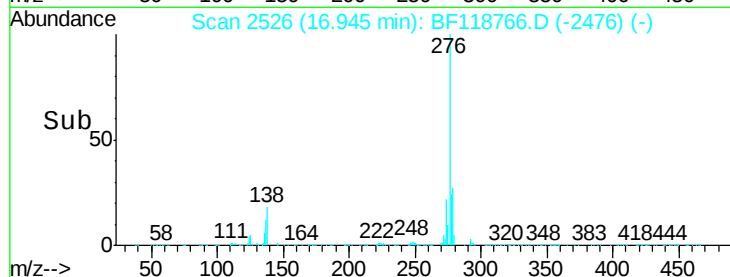
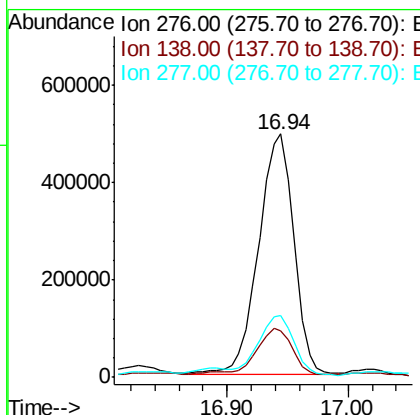
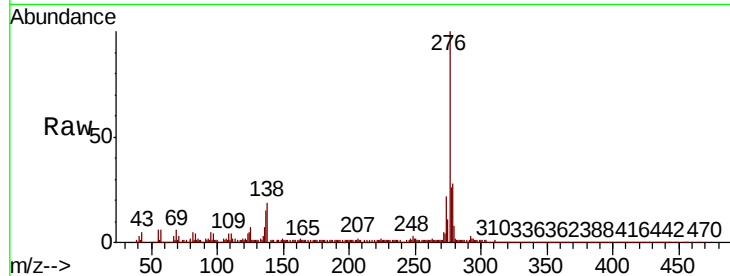




#86
Indeno(1,2,3-cd)pyrene
Concen: 32.479 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

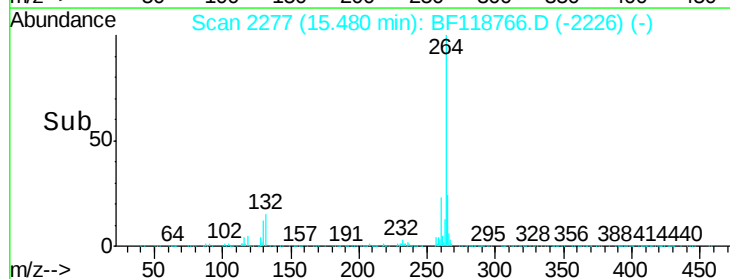
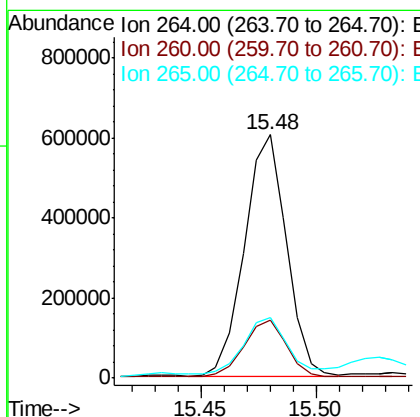
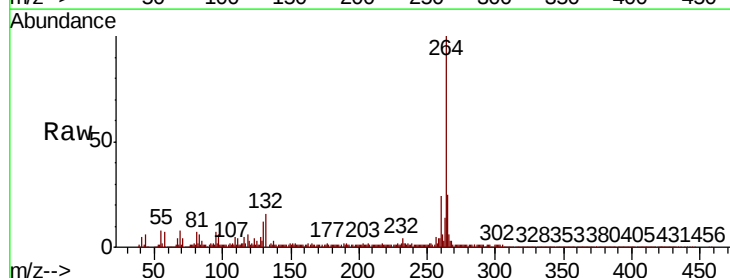
Instrument :
BNA_F
ClientSampleId :

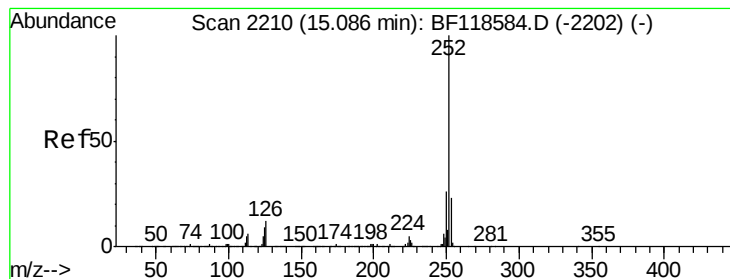
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	18.2	27.4
277	25.0	20.4	30.6



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BF118766.D
Acq: 30 Jan 2020 22:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	24.7	17.0	25.6





#88

Benzo(b)fluoranthene

Concen: 68.543 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

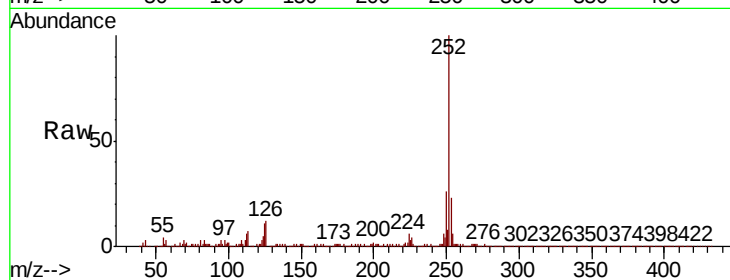
Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 3296790

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	11.2	7.7	11.5

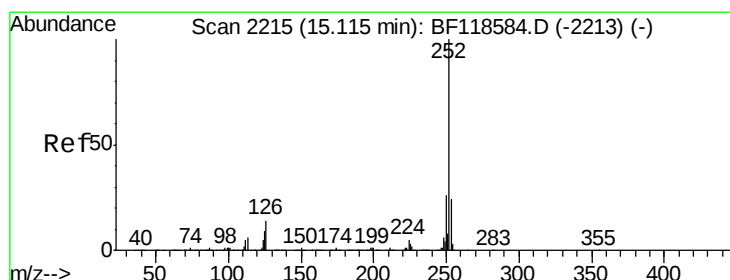
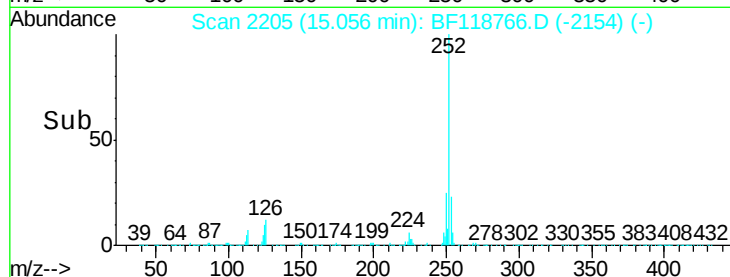
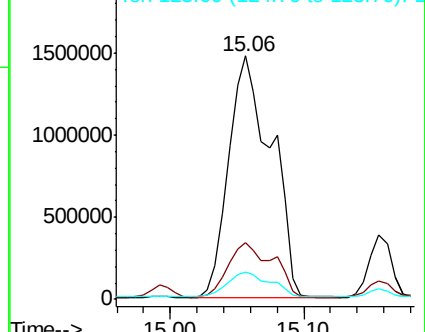


Abundance

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(k)fluoranthene

Concen: 73.984 ng

RT: 15.06 min Scan# 2205

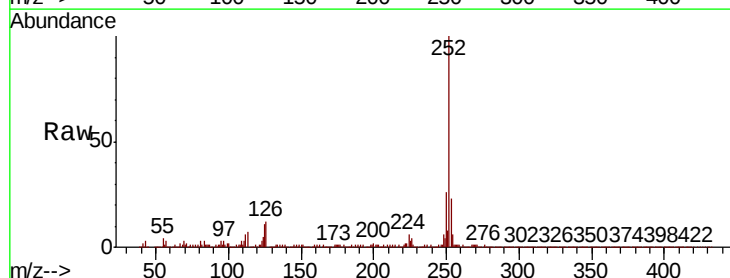
Delta R.T. -0.03 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Tgt Ion:252 Resp: 3296790

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	11.2	8.1	12.1

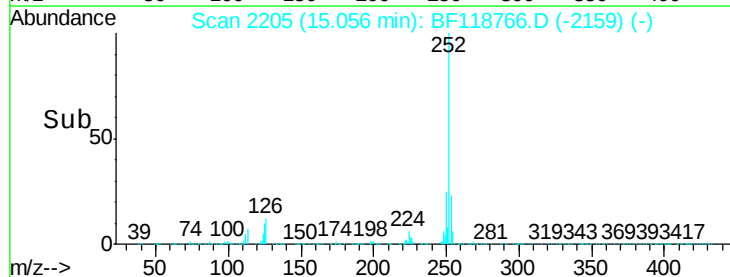
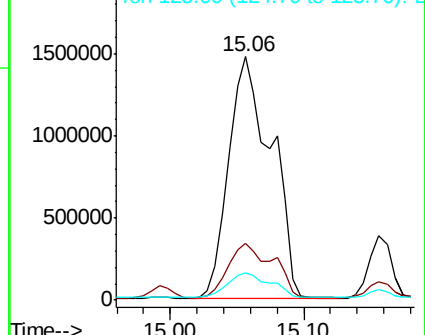


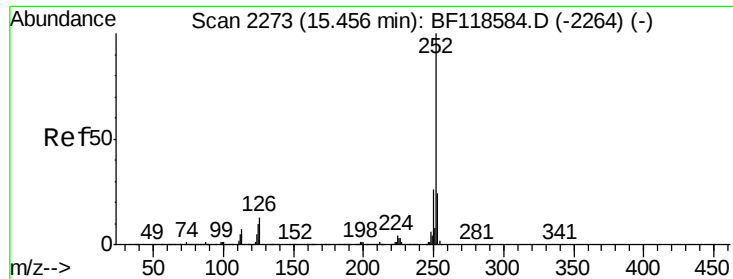
Abundance

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





#90

Benzo(a)pyrene

Concen: 43.719 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.00 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Instrument :

BNA_F

ClientSampleId :

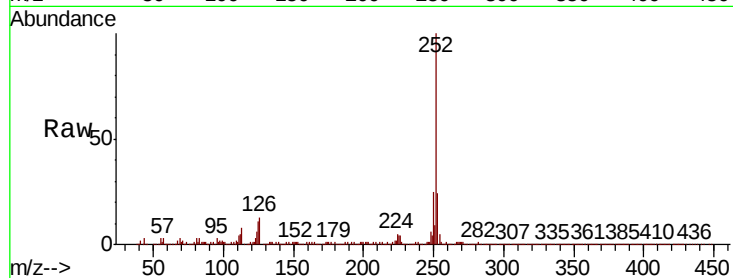
Tot Ion:252 Resp: 1813965

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.4

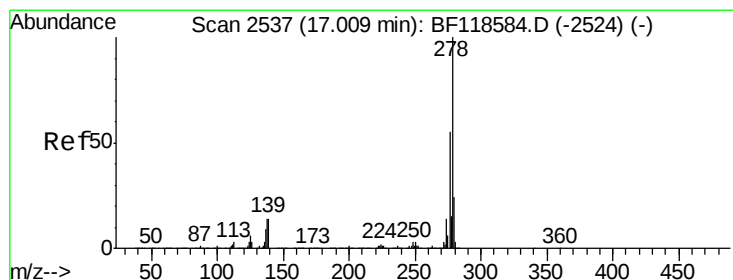
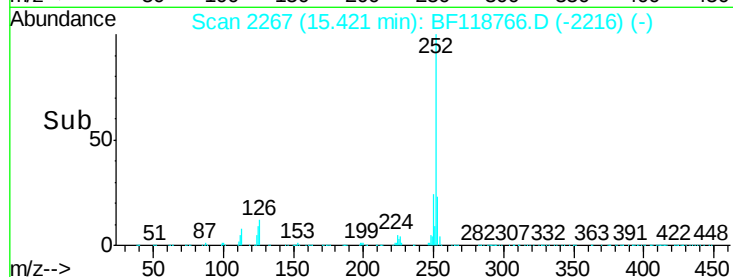
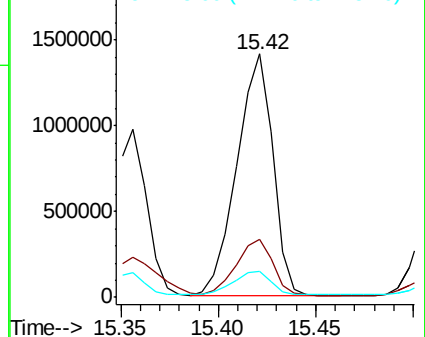
125 10.8 8.3 12.5



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



#91

Dibenzo(a,h)anthracene

Concen: 7.582 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

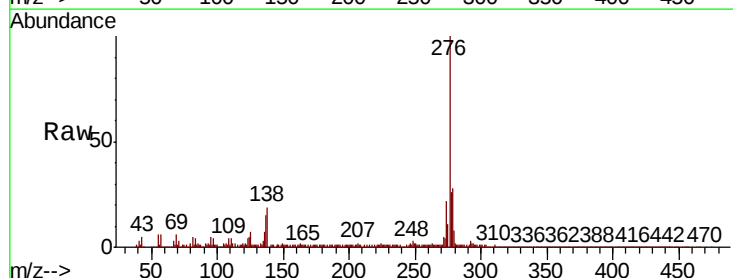
Tgt Ion:278 Resp: 278271

Ion Ratio Lower Upper

278 100

139 0.0 11.8 17.6#

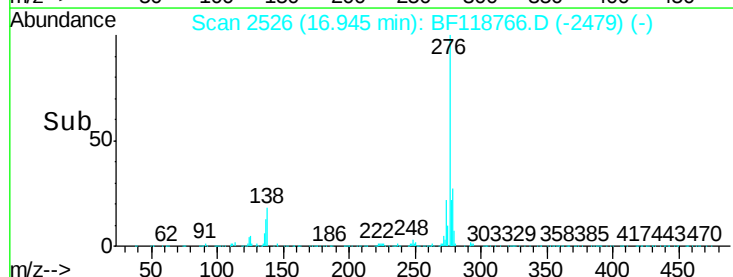
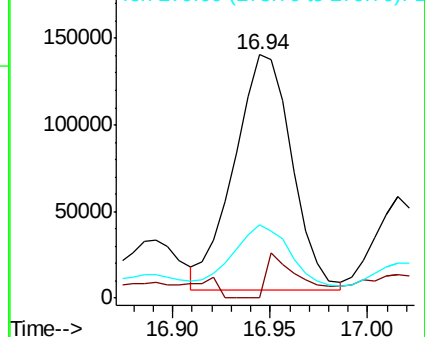
279 29.9 19.1 28.7#

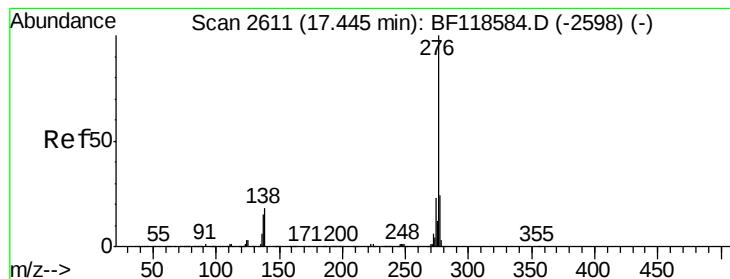


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 24.332 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BF118766.D

Acq: 30 Jan 2020 22:03

Instrument :

BNA_F

ClientSampleId :

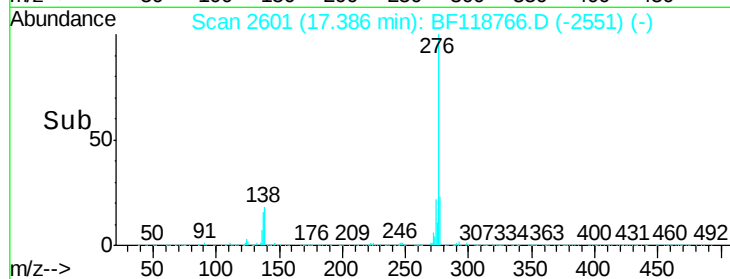
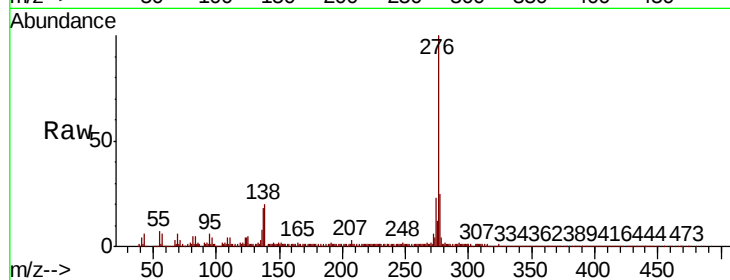
Tot Ion: 276 Resp: 867080

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.6

138 19.8 15.4 23.2



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

