

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121773.D
 Acq On : 1 Oct 2020 18:14
 Operator : JU/CG
 Sample : L4179-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-10(4-5)

Quant Time: Oct 01 18:41:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	150847	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	552391	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	254332	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	392304	20.00	ng	0.00
76) Chrysene-d12	13.93	240	304931	20.00	ng	0.00
86) Perylene-d12	15.38	264	319620	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	363847	35.85	ng	0.00
7) Phenol-d6	6.40	99	456922	34.31	ng	-0.01
23) Nitrobenzene-d5	7.33	82	297979	28.96	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	94301	29.83	ng	-0.01
45) 2-Fluorobiphenyl	9.13	172	528611	31.48	ng	0.00
79) Terphenyl-d14	12.87	244	377936	25.11	ng	0.00

Target Compounds

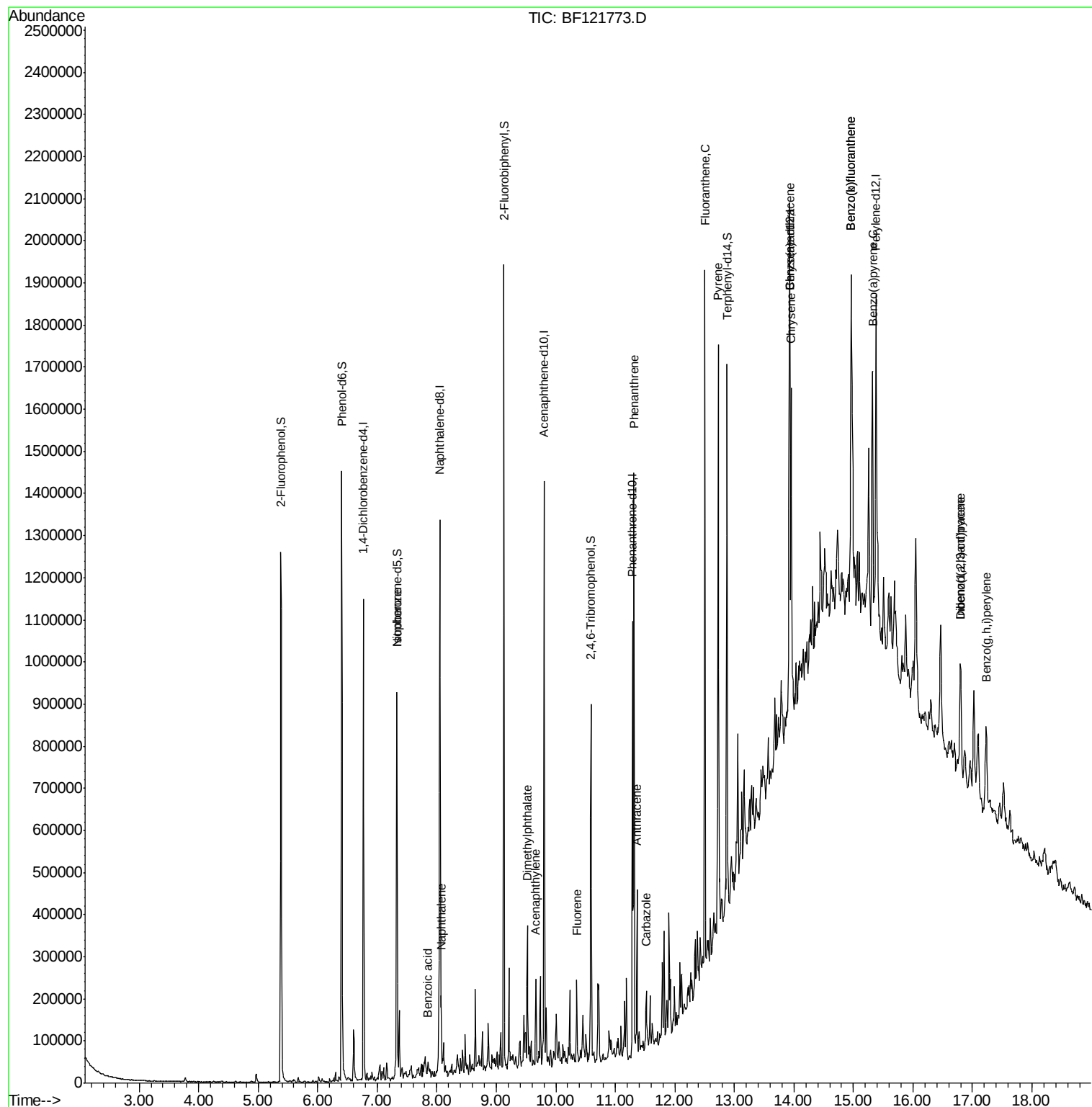
						Qvalue
25) Isophorone	7.33	82	297979	14.388	ng	# 67
31) Naphthalene	8.07	128	64131	2.199	ng	99
32) Benzoic acid	7.86	122	533	7.002	ng	# 66
49) Acenaphthylene	9.67	152	75748	3.073	ng	98
50) Dimethylphthalate	9.52	163	95669	5.190	ng	100
58) Fluorene	10.35	166	46536	2.775	ng	100
71) Phenanthrene	11.32	178	480518	22.481	ng	100
72) Anthracene	11.36	178	134356	6.091	ng	98
73) Carbazole	11.52	167	44890	2.255	ng	100
75) Fluoranthene	12.50	202	632901	27.738	ng	99
78) Pyrene	12.73	202	568133	25.501	ng	99
81) Benzo(a)anthracene	13.92	228	341638	17.709	ng	95
83) Chrysene	13.96	228	297118	15.209	ng	96
87) Indeno(1,2,3-cd)pyrene	16.80	276	172118	8.269	ng	95
88) Benzo(b)fluoranthene	14.96	252	524232	24.535	ng	# 94
89) Benzo(k)fluoranthene	14.96	252	524232	26.792	ng	# 93
90) Benzo(a)pyrene	15.32	252	293464	16.158	ng	# 92
91) Dibenzo(a,h)anthracene	16.80	278	46059	2.658	ng	# 79
92) Benzo(a,h,i)perylene	17.23	276	157508	9.248	ng	98

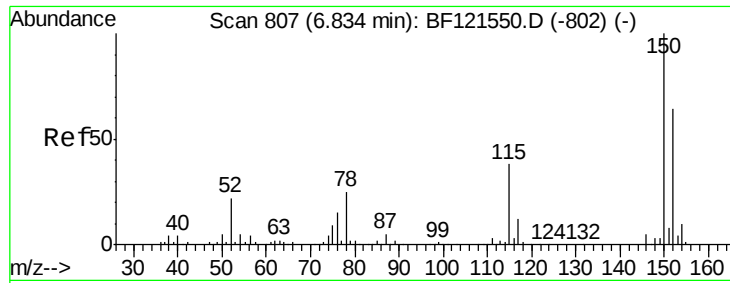
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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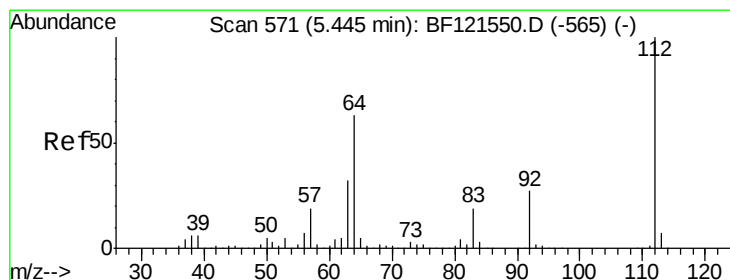
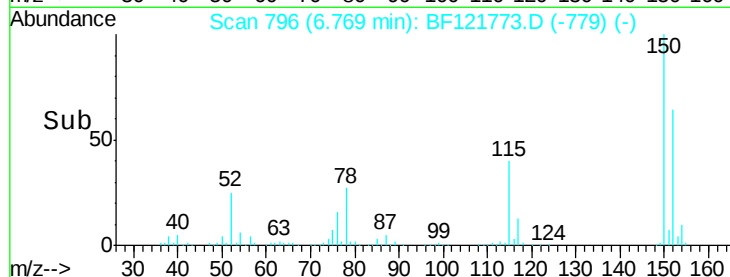
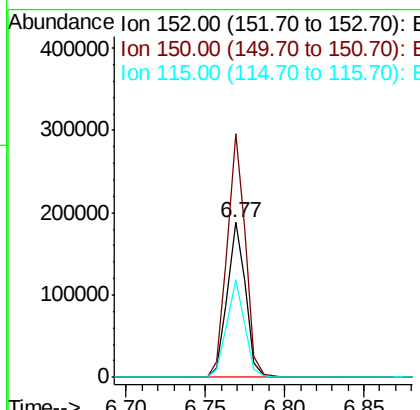
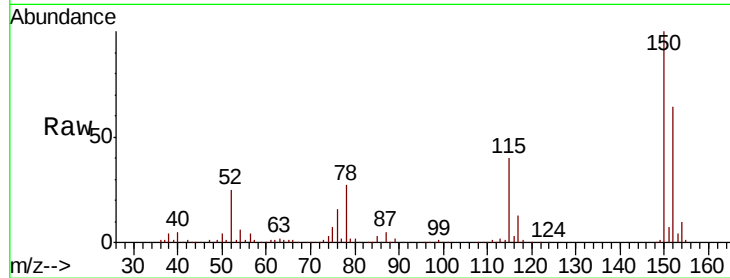




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

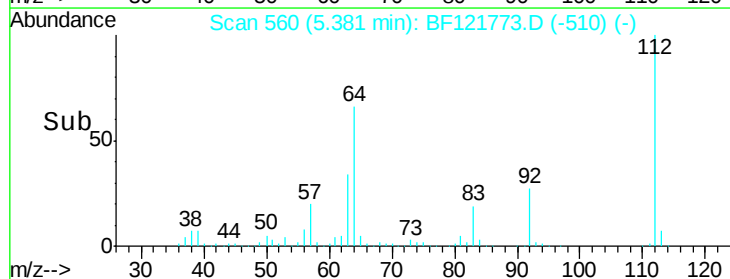
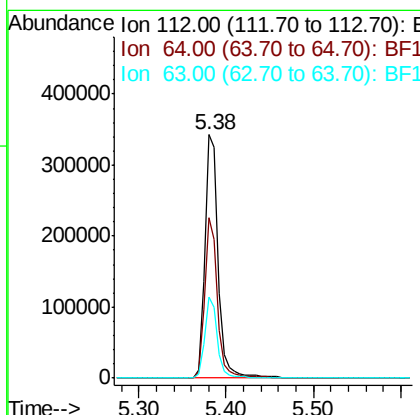
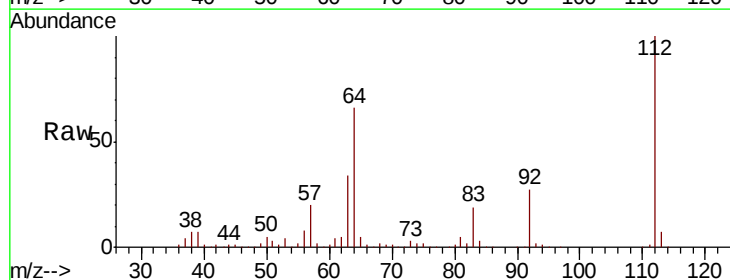
Instrument :
 BNA_F
 ClientSampleId :
 B-10(4-5)

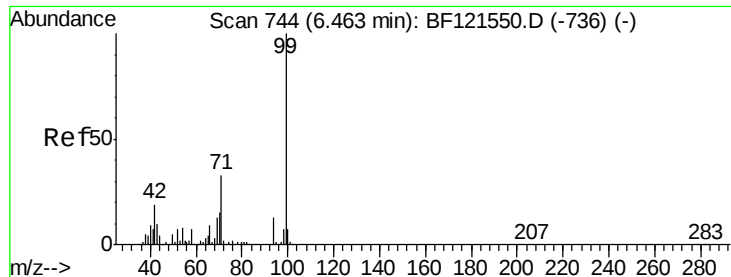
Tot Ion:152 Resp: 150847
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.3 187.9
 115 63.2 51.9 77.9



#5
 2-Fluorophenol
 Concen: 35.846 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

Tgt Ion:112 Resp: 363847
 Ion Ratio Lower Upper
 112 100
 64 65.7 50.4 75.6
 63 33.5 25.8 38.6





#7

Phenol-d6

Concen: 34.312 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Instrument :

BNA_F

ClientSampleId :

B-10(4-5)

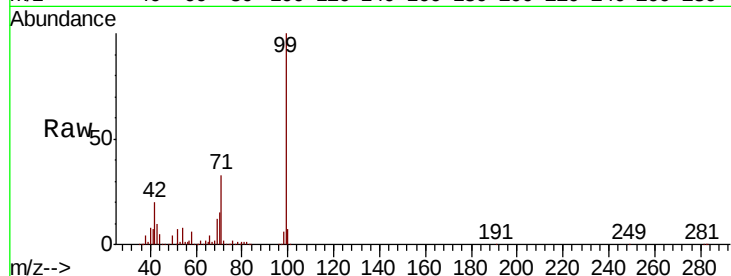
Tot Ion: 99 Resp: 456922

Ion Ratio Lower Upper

99 100

42 19.8 15.9 23.9

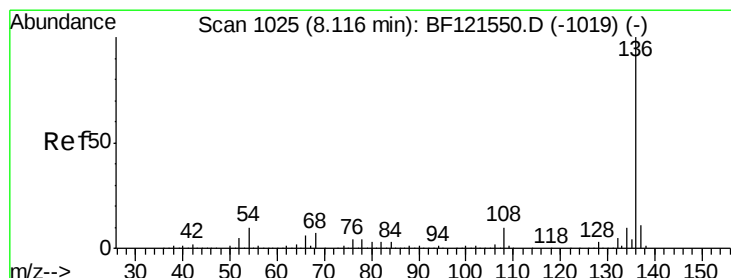
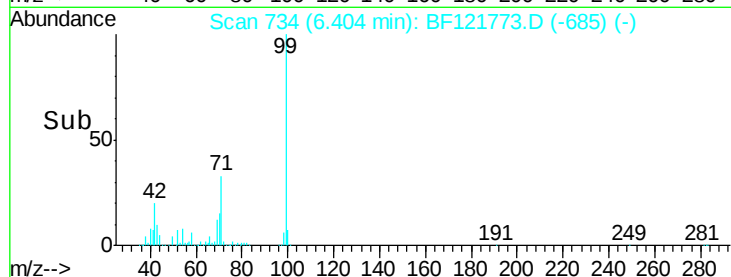
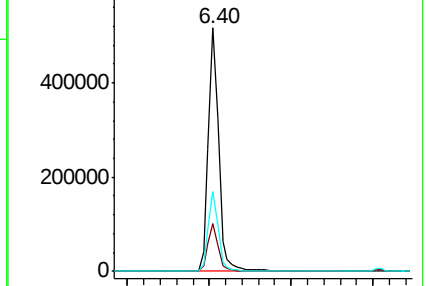
71 32.7 27.1 40.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Tgt Ion: 136 Resp: 552391

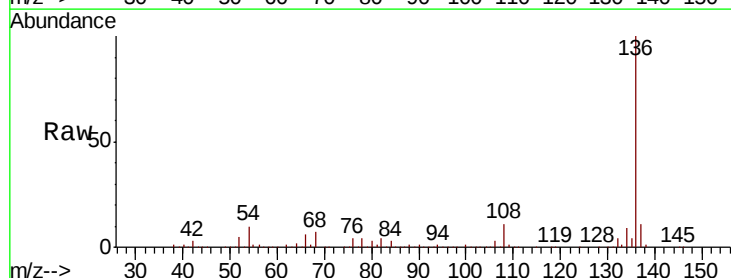
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.0 7.1 10.7

68 7.3 5.0 7.4

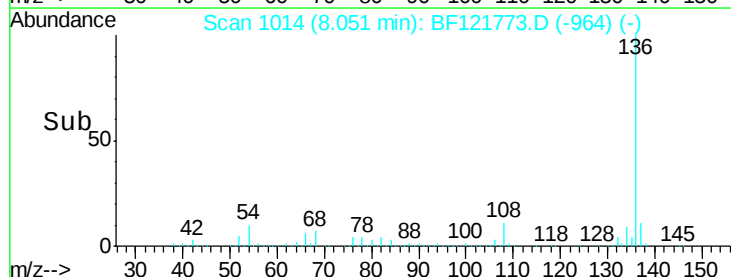
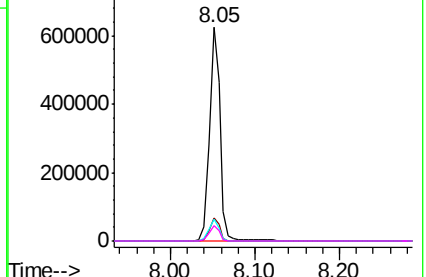


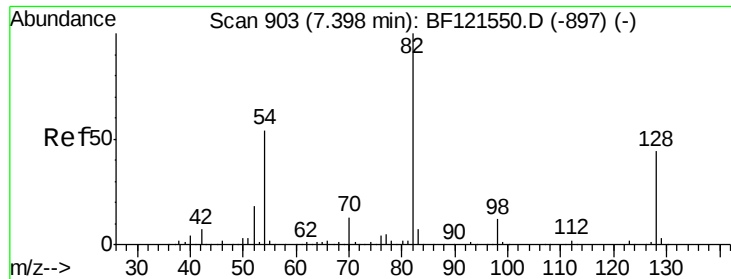
Abundance Ion 136.00 (135.70 to 136.70): E

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

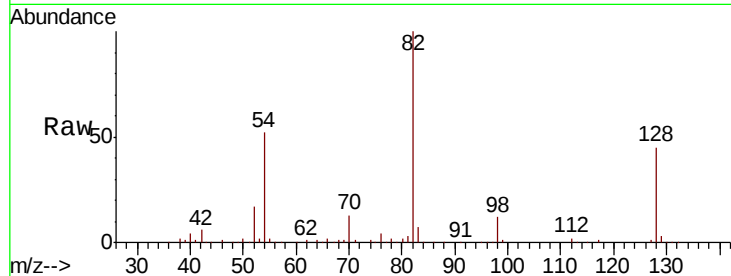




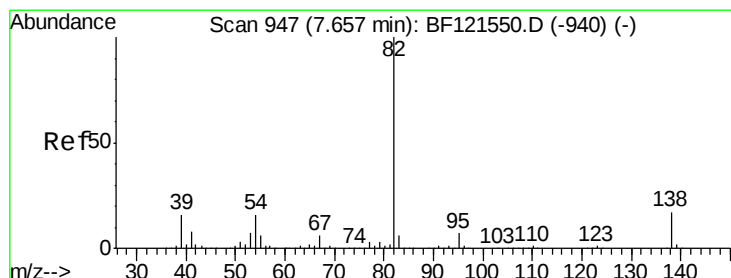
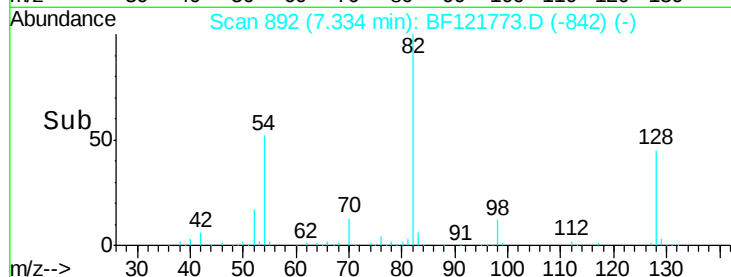
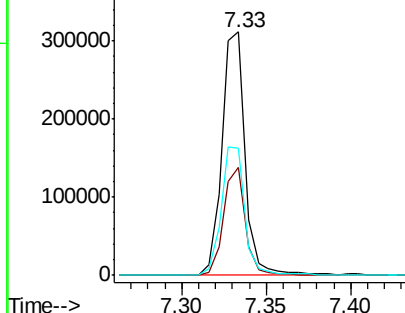
#23
Nitrobenzene-d5
Concen: 28.963 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	82	Resp	297979
Ion Ratio	100	Lower	Upper
128	44.5	35.0	52.4
54	52.1	43.9	65.9

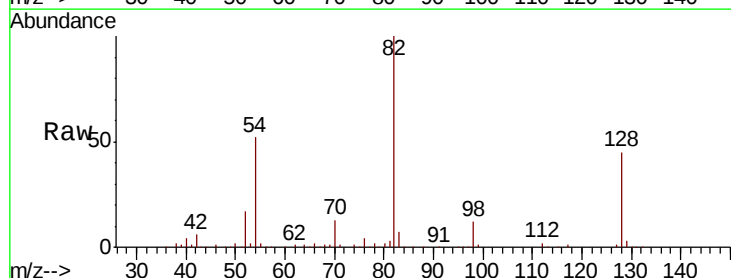


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

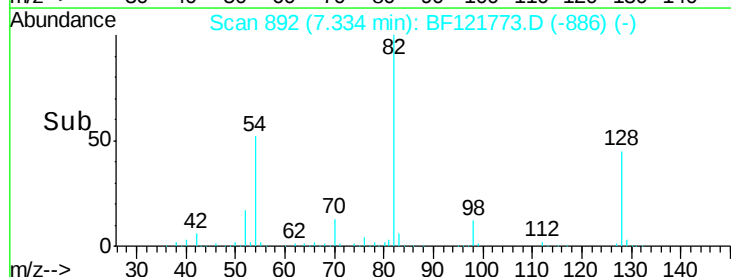
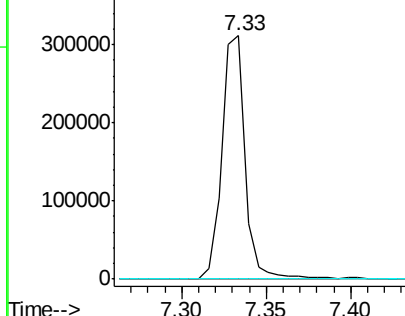


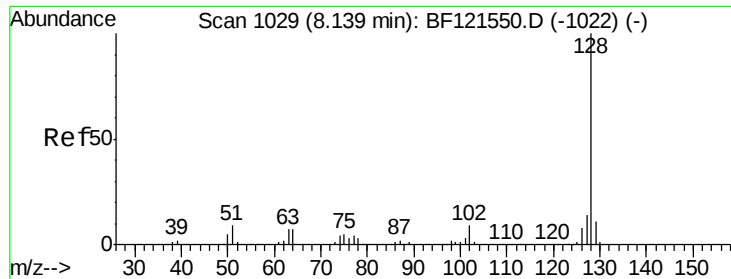
#25
Isophorone
Concen: 14.388 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.26 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	82	Resp	297979
Ion Ratio	100	Lower	Upper
95	0.2	5.4	8.0#
138	0.0	13.4	20.0#



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

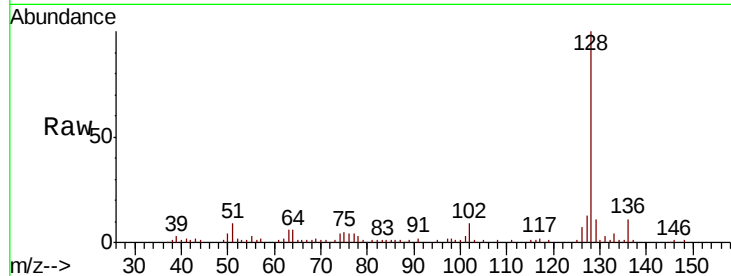




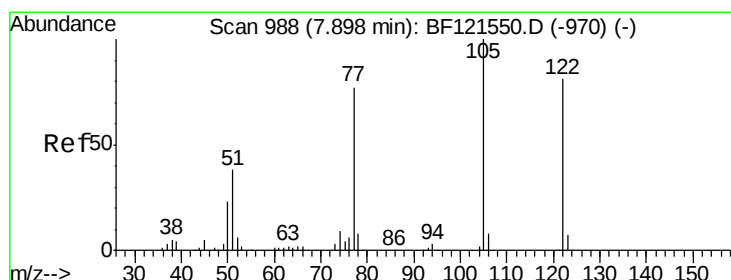
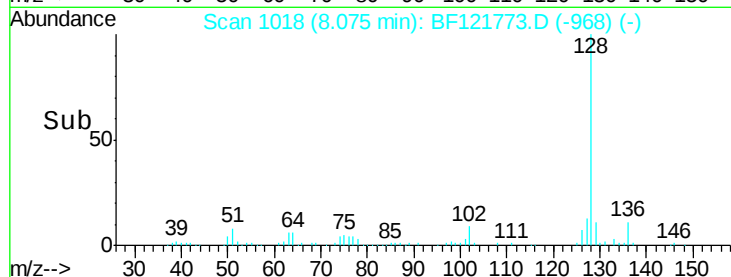
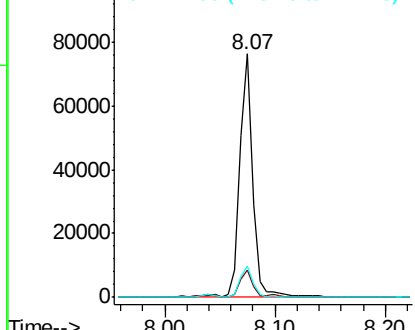
#31
Naphthalene
Concen: 2.199 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion:128 Resp: 64131
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 12.8 10.8 16.2

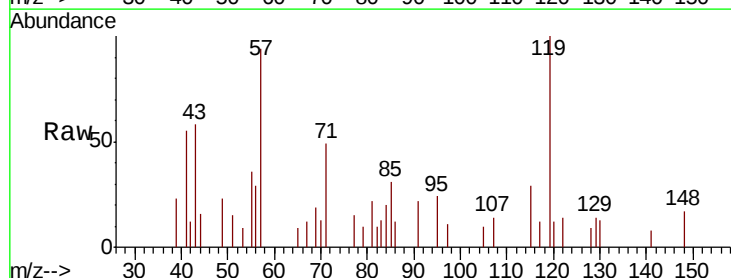


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

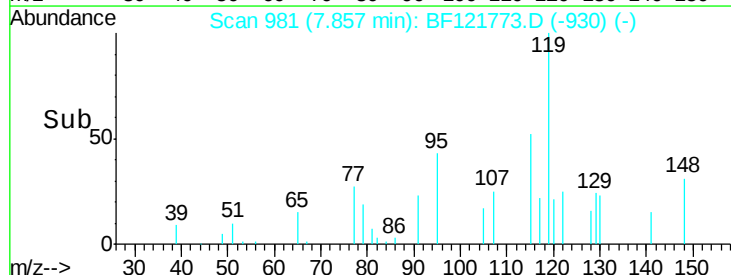
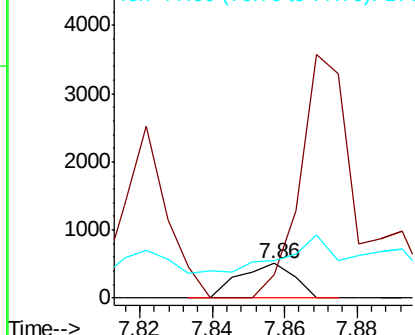


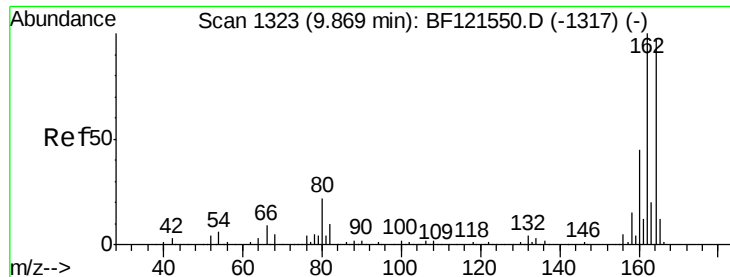
#32
Benzoic acid
Concen: 7.002 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.00 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion:122 Resp: 533
Ion Ratio Lower Upper
122 100
105 68.3 103.3 143.3#
77 108.0 73.9 113.9



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

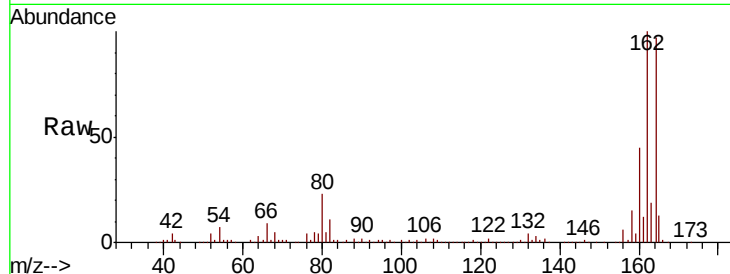




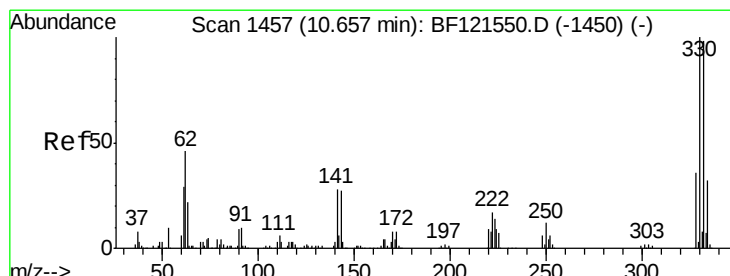
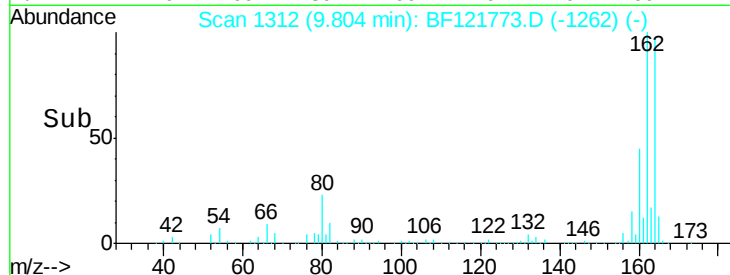
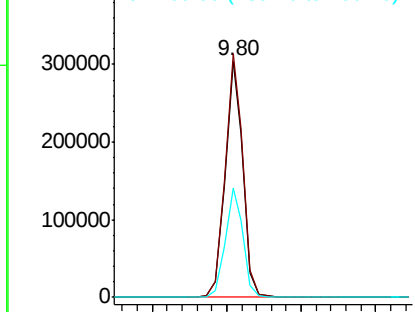
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

Instrument :
 BNA_F
 ClientSampleId :
 B-10(4-5)

Tot Ion:164 Resp: 254332
 Ion Ratio Lower Upper
 164 100
 162 103.2 83.2 124.8
 160 46.2 37.5 56.3

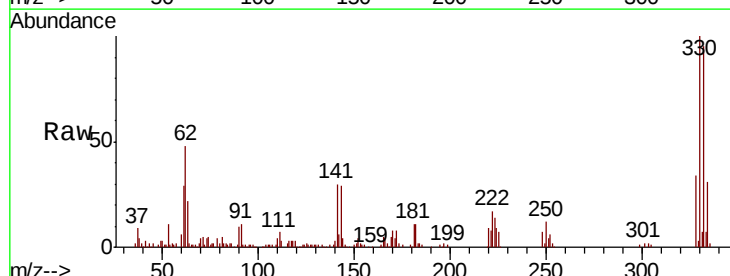


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

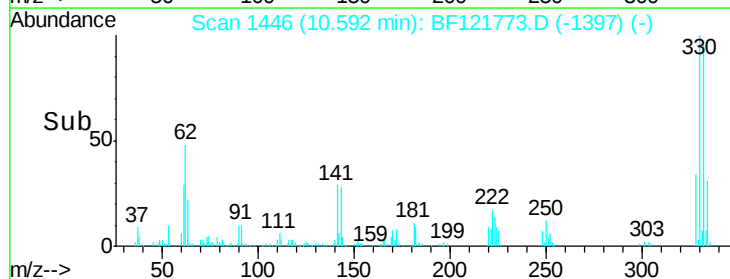
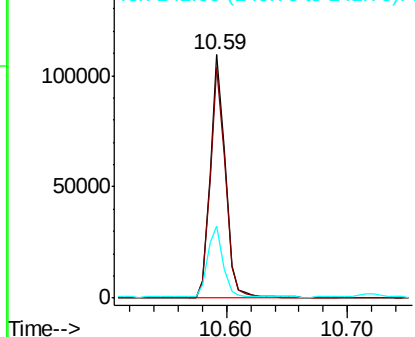


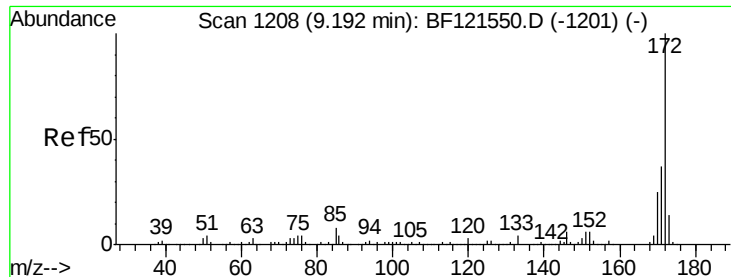
#42
 2,4,6-Tribromophenol
 Concen: 29.833 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

Tgt Ion:330 Resp: 94301
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.3 115.9
 141 30.2 22.3 33.5



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

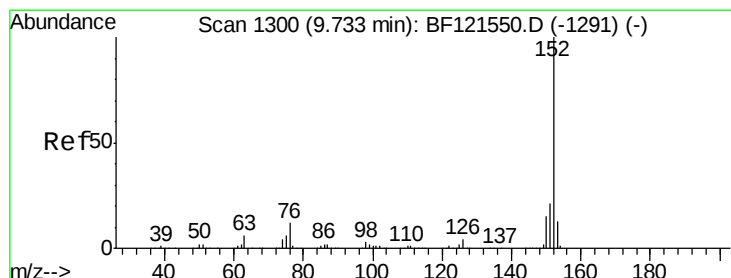
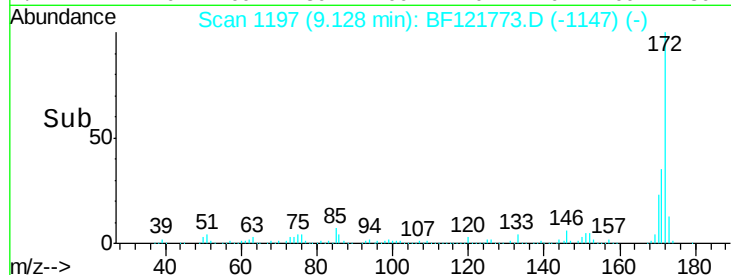
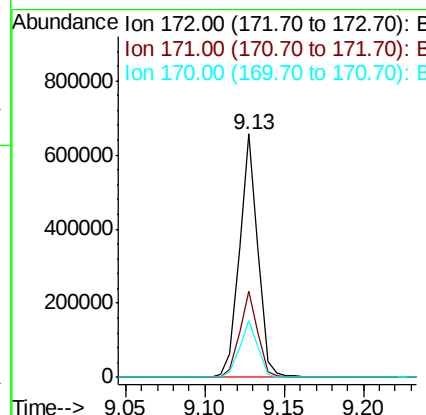
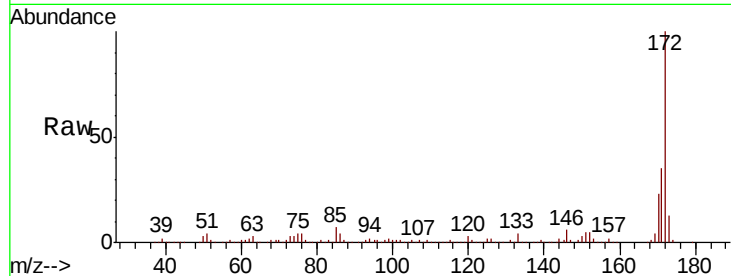




#45
 2-Fluorobiphenyl
 Concen: 31.478 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

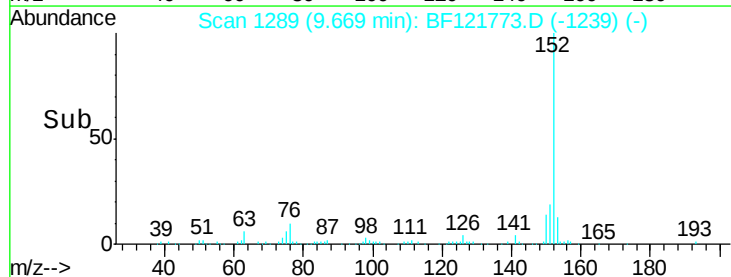
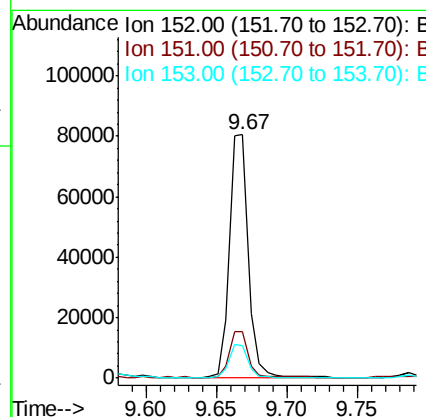
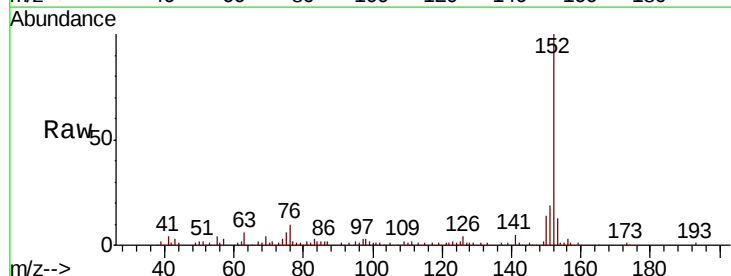
Instrument :
 BNA_F
 ClientSampleId :
 B-10(4-5)

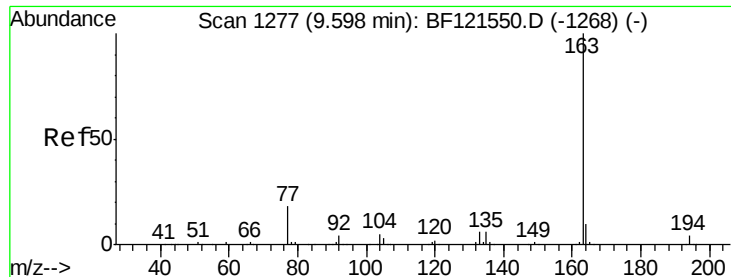
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.1	43.7
170	23.3	19.8	29.6



#49
 Acenaphthylene
 Concen: 3.073 ng
 RT: 9.67 min Scan# 1289
 Delta R.T. -0.01 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.4	24.6
153	13.3	10.6	15.8

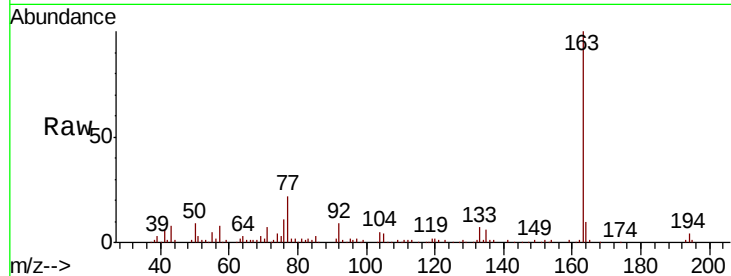




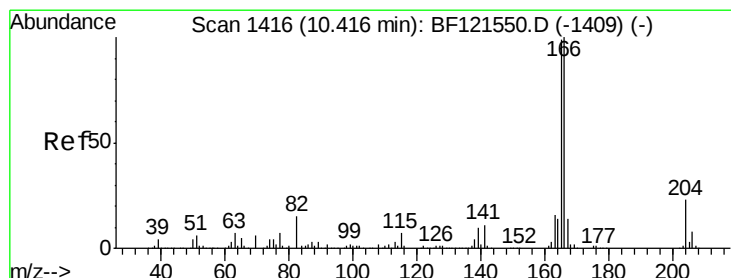
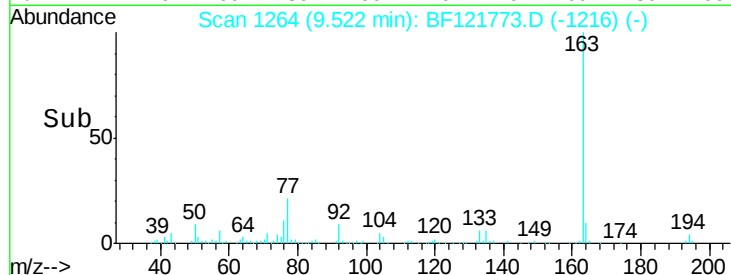
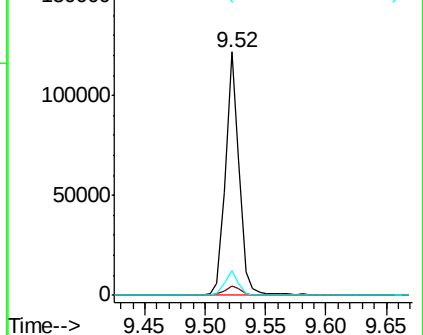
#50
Dimethylphthalate
Concen: 5.190 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion:163 Resp: 95669
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.2 8.2 12.4

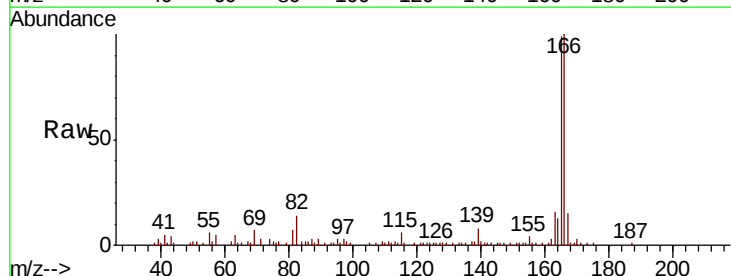


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

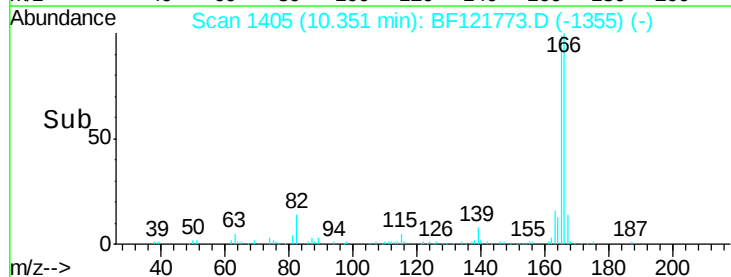
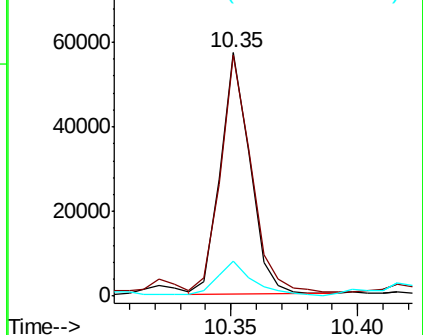


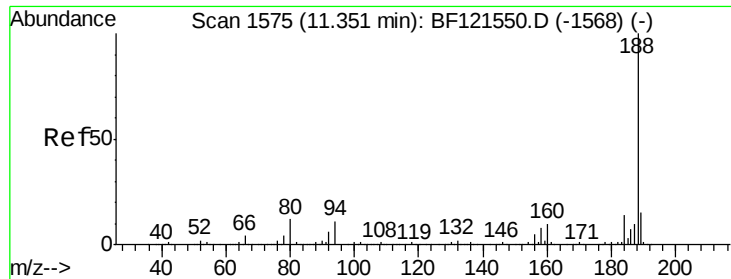
#58
Fluorene
Concen: 2.775 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion:166 Resp: 46536
Ion Ratio Lower Upper
166 100
165 98.9 79.1 118.7
167 14.6 11.0 16.6



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

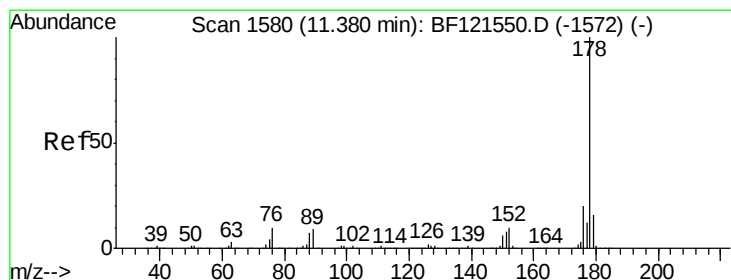
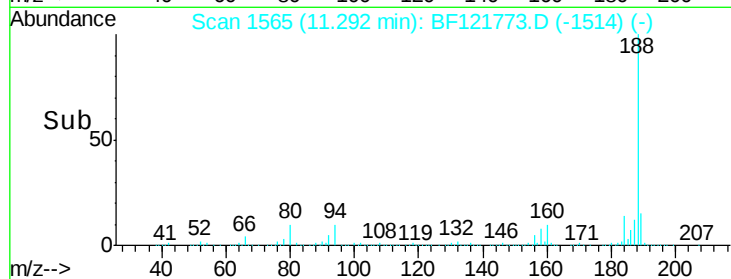
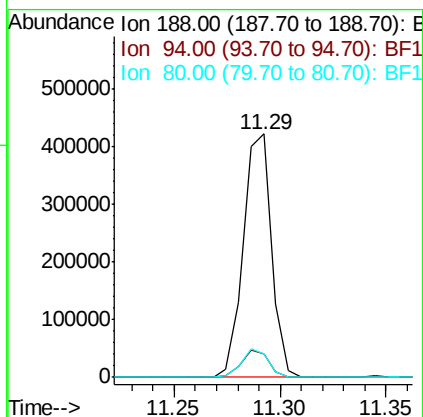
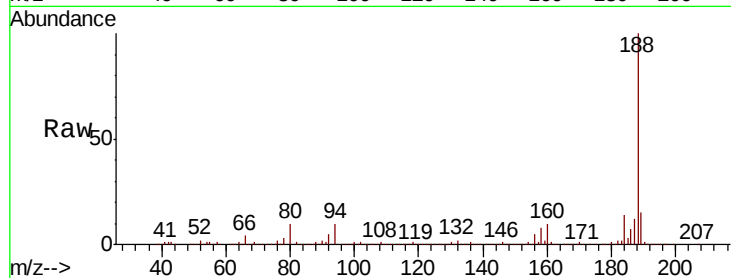




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

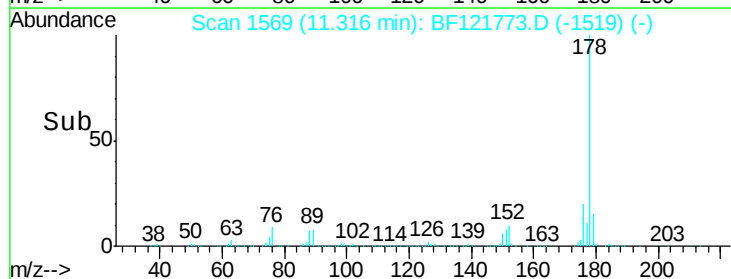
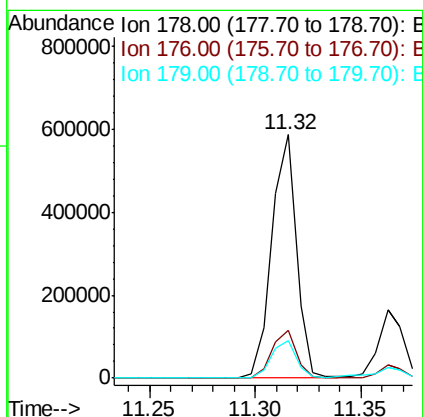
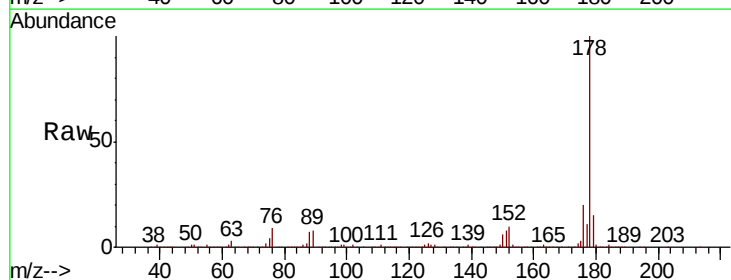
Instrument :
BNA_F
ClientSampled :
B-10(4-5)

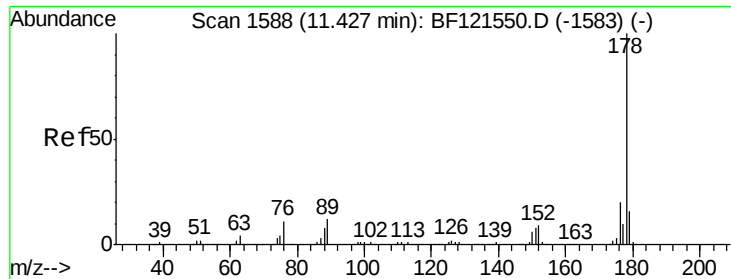
Tot Ion:188 Resp: 392304
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 9.9 9.1 13.7



#71
Phenanthrene
Concen: 22.481 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion:178 Resp: 480518
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.4 12.2 18.4

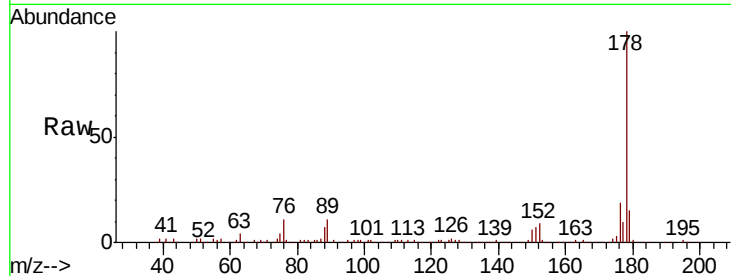




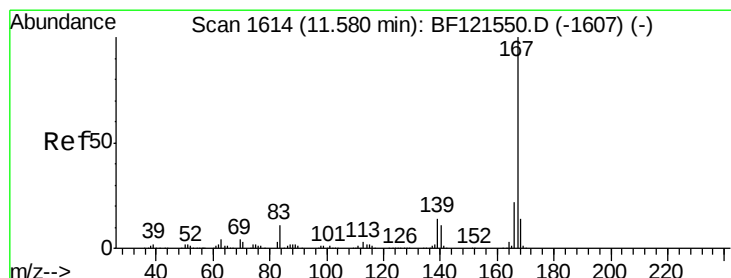
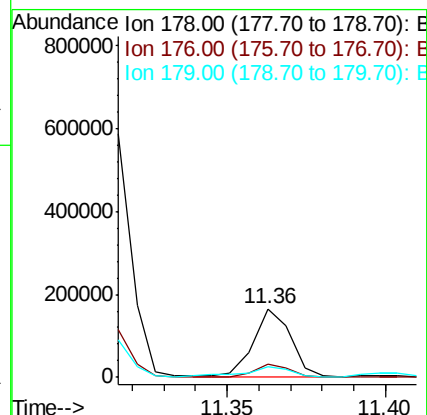
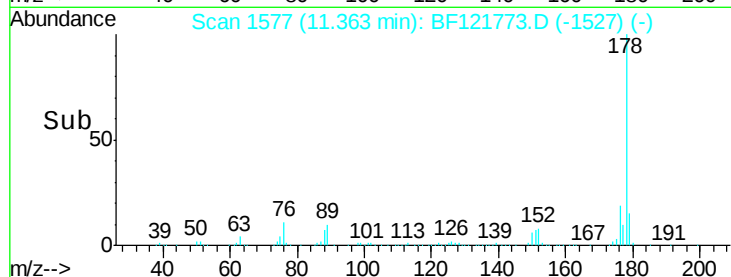
#72
 Anthracene
 Concen: 6.091 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

Instrument :
 BNA_F
 ClientSampleId :
 B-10(4-5)

Tot Ion:178 Resp: 134356
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.7 23.5
 179 15.4 12.7 19.1

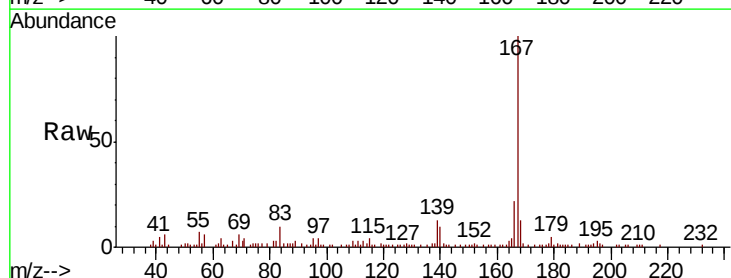


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

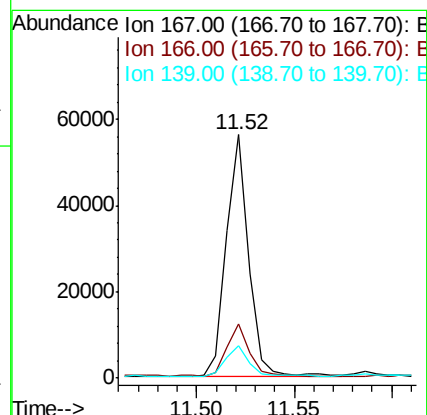
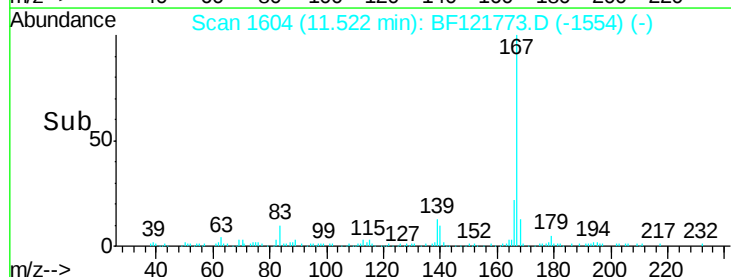


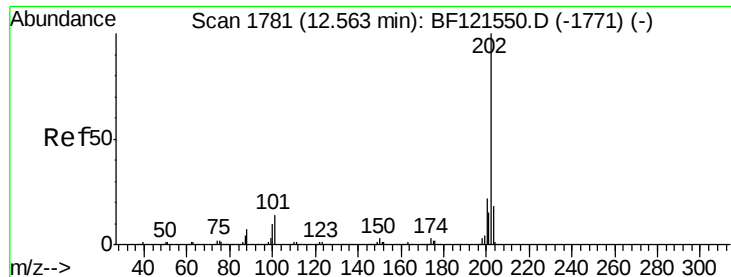
#73
 Carbazole
 Concen: 2.255 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF121773.D
 Acq: 1 Oct 2020 18:14

Tgt Ion:167 Resp: 44890
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.8 26.6
 139 13.3 10.8 16.2



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: 27.738 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Instrument :

BNA_F

ClientSampleId :

B-10(4-5)

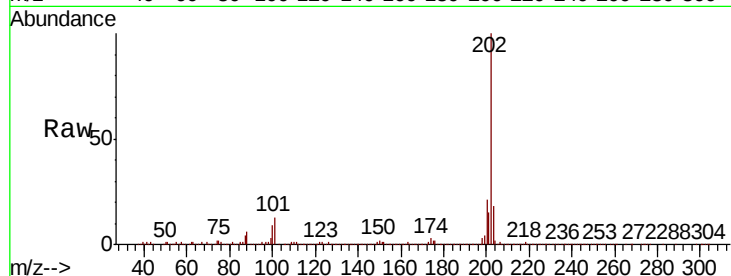
Tot Ion:202 Resp: 632901

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.4

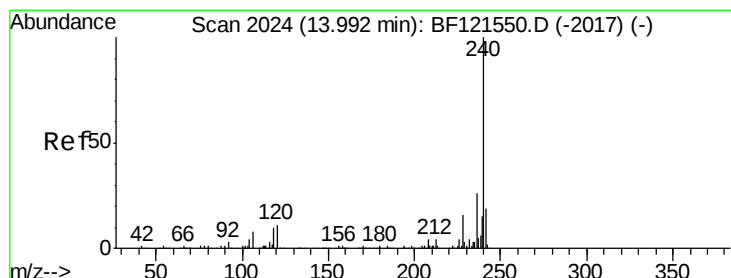
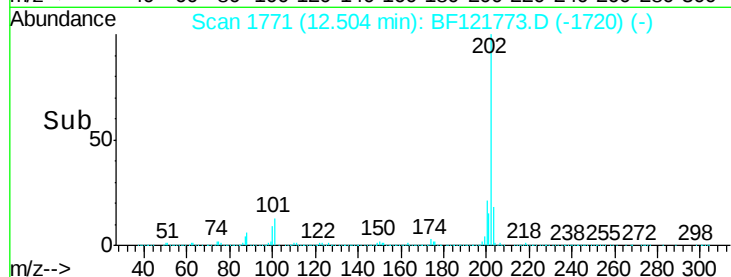
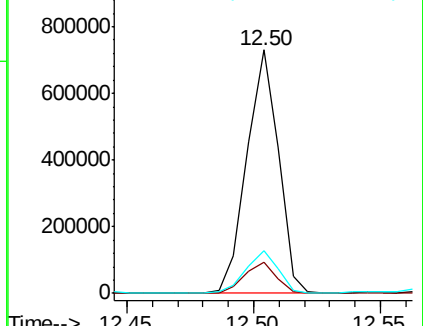
203 17.8 0.0 37.9



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: 13.93 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

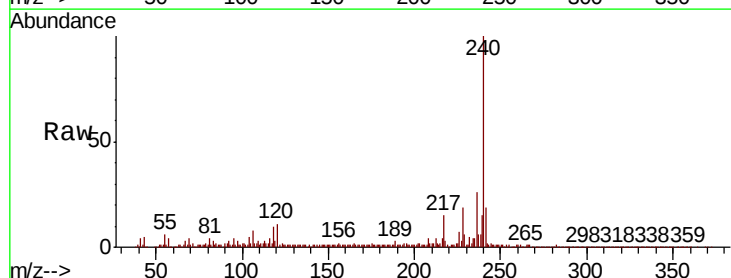
Tgt Ion:240 Resp: 304931

Ion Ratio Lower Upper

240 100

120 11.4 9.2 13.8

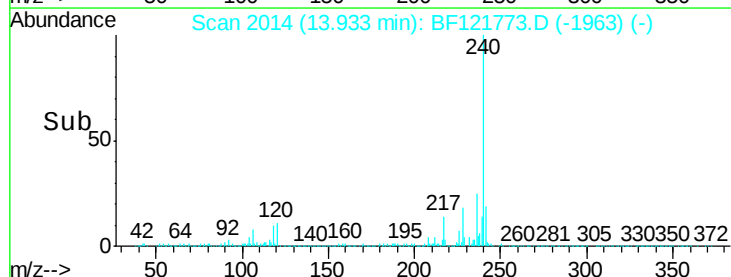
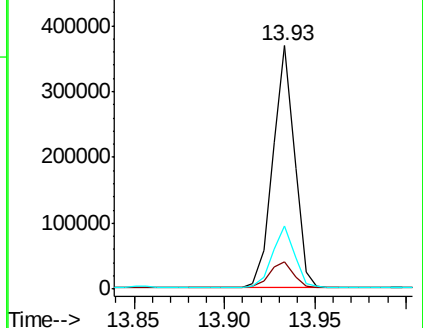
236 26.0 20.9 31.3

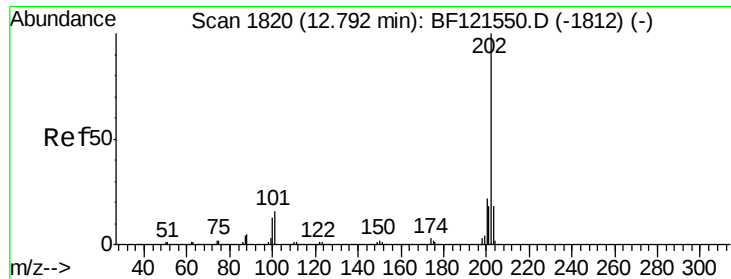


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

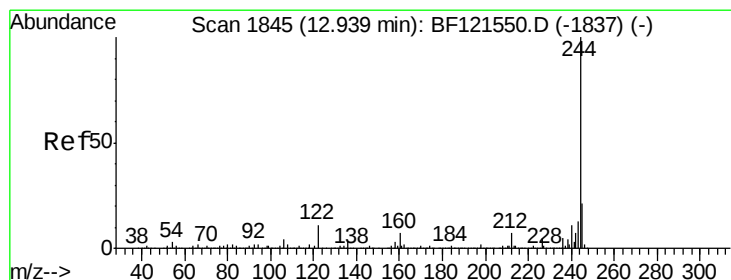
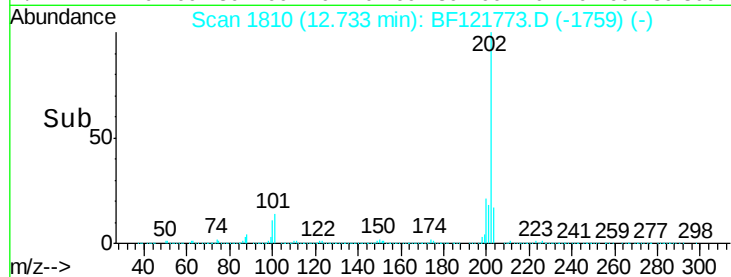
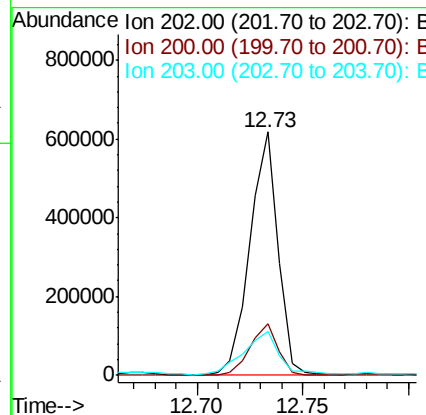
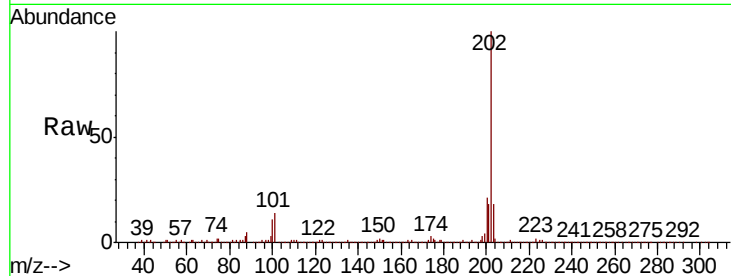




#78
Pvrene
Concen: 25.501 ng
RT: 12.73 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

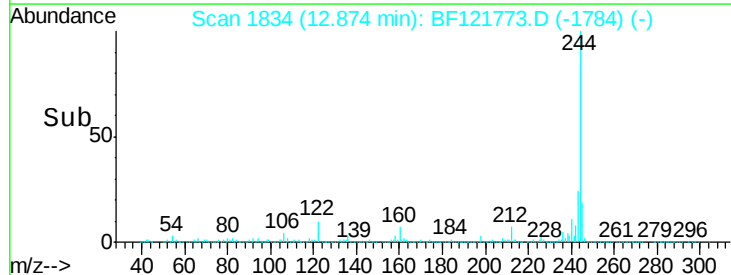
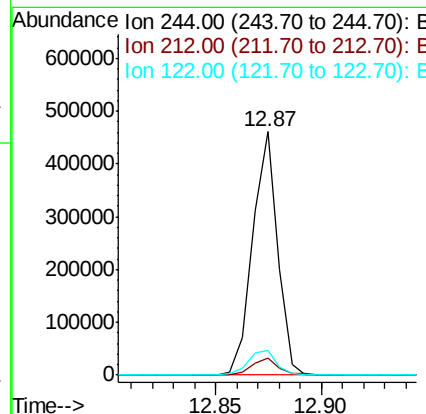
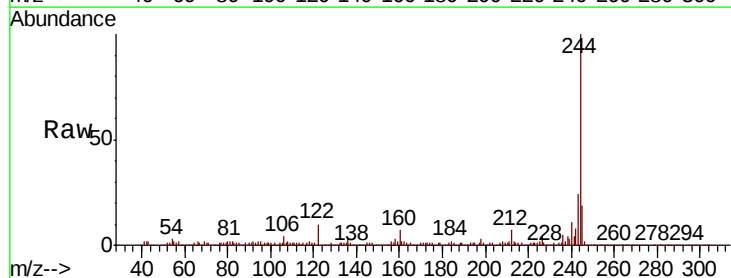
Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

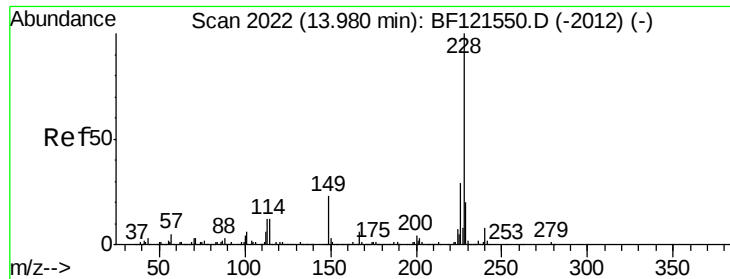
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.9	14.6	21.8



#79
Terphenyl-d14
Concen: 25.109 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.4	8.1	12.1

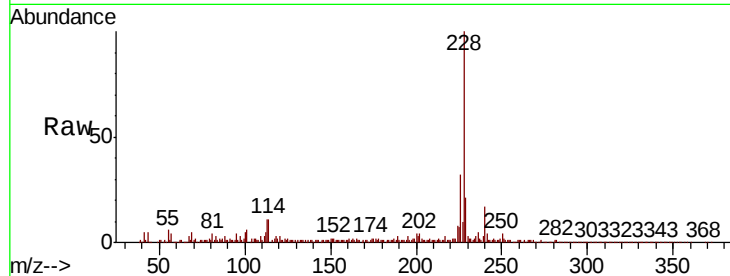




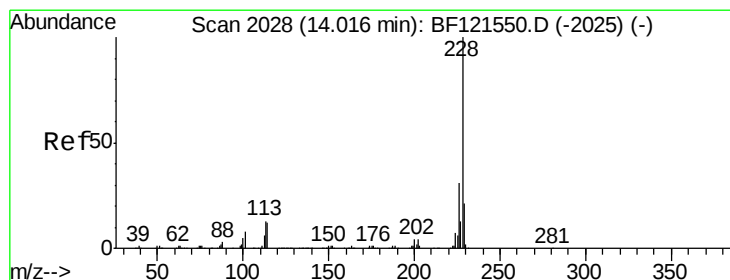
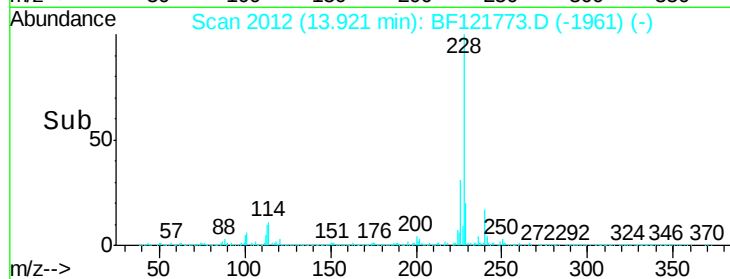
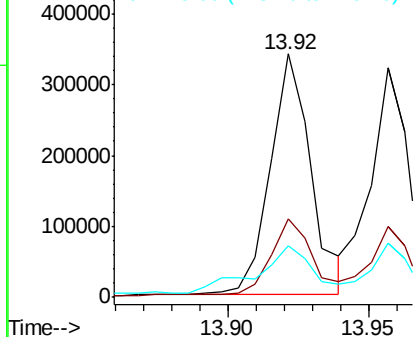
#81
Benzo(a)anthracene
Concen: 17.709 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.3	33.5
229	21.3	16.2	24.4

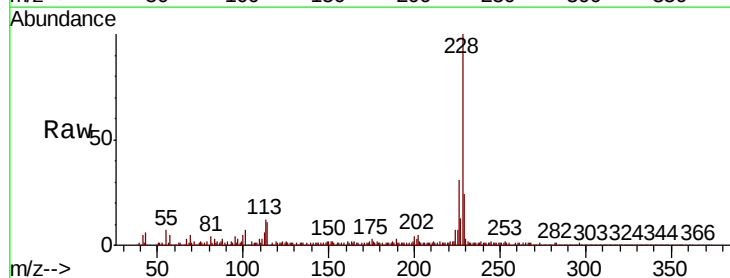


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

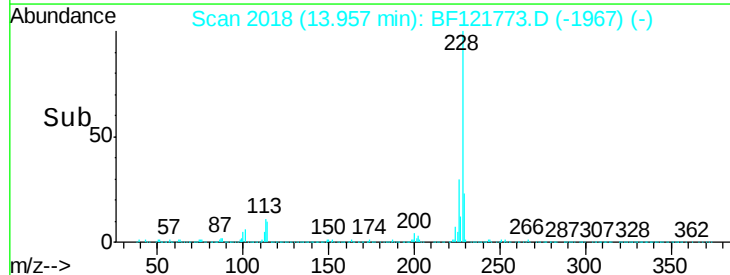
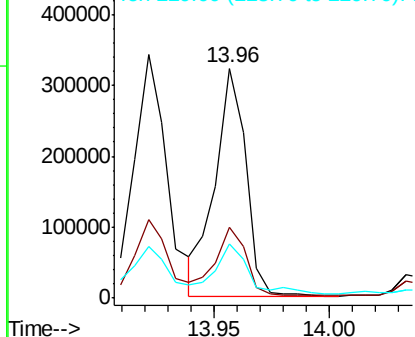


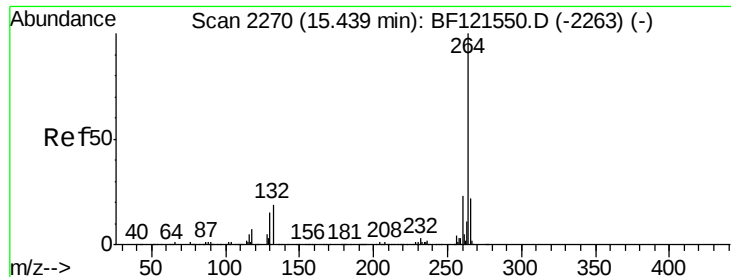
#83
Chrysene
Concen: 15.209 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	23.7	15.9	23.9



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

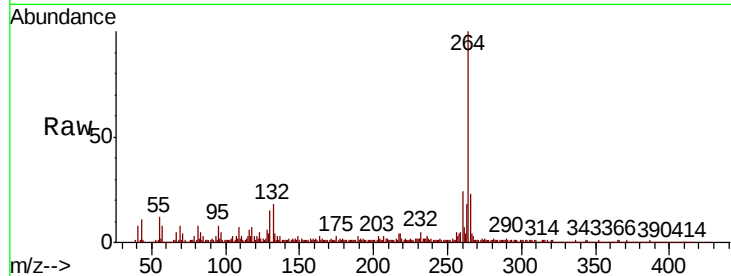




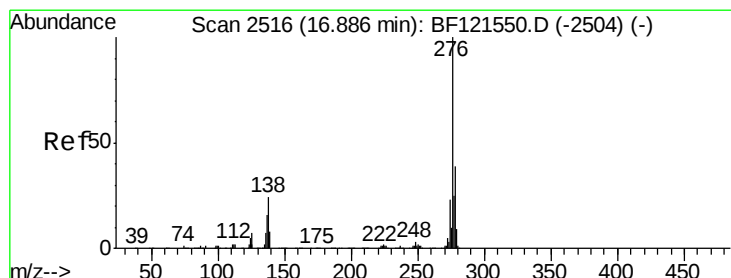
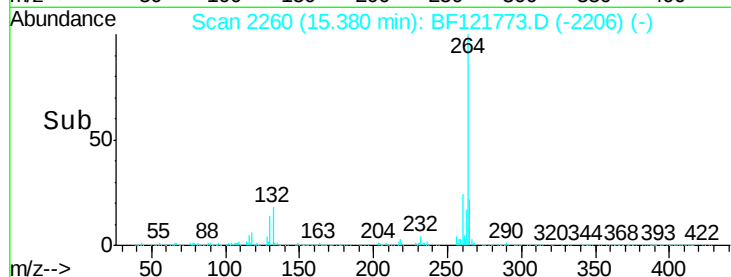
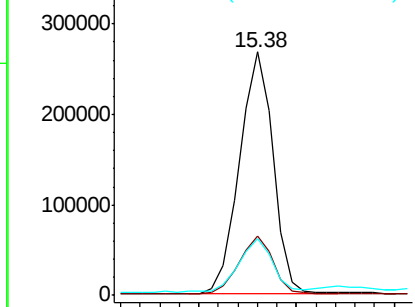
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

Tot Ion:264 Resp: 319620
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 23.2 17.3 25.9

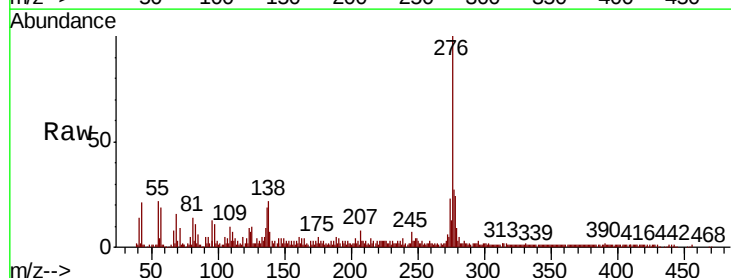


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

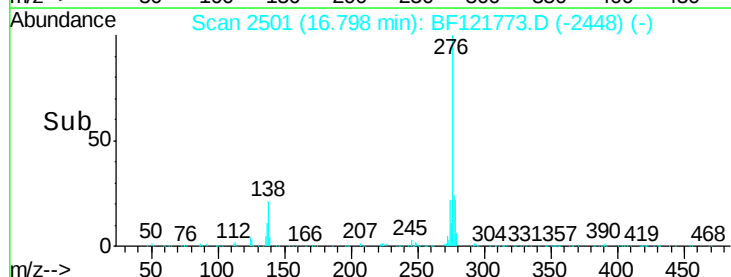
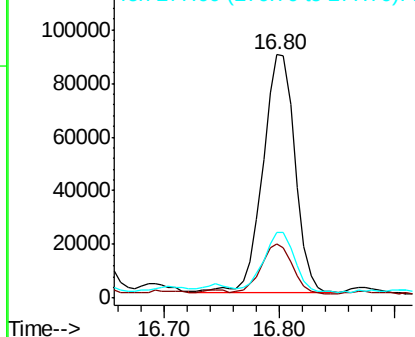


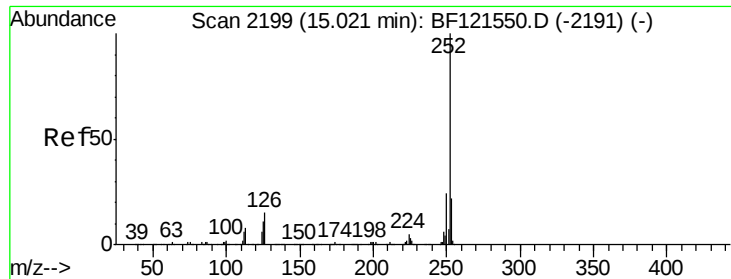
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.269 ng
RT: 16.80 min Scan# 2501
Delta R.T. 0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion:276 Resp: 172118
Ion Ratio Lower Upper
276 100
138 20.4 19.9 29.9
277 25.0 20.4 30.6



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

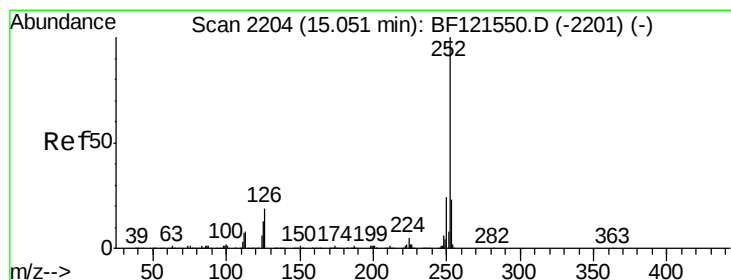
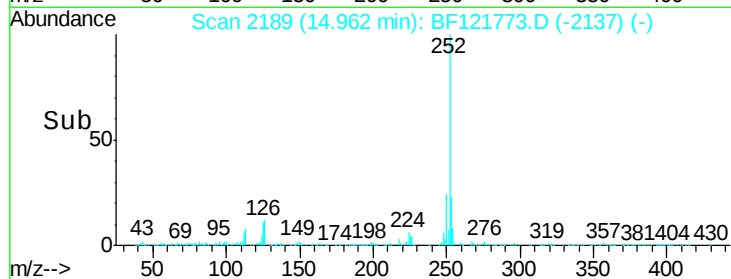
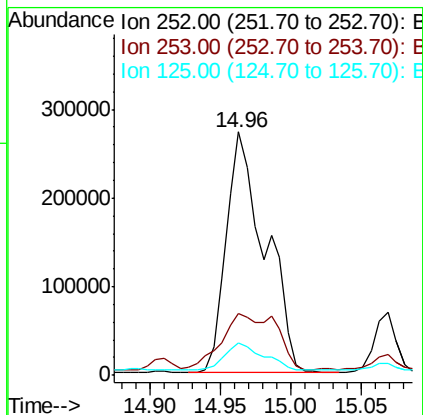
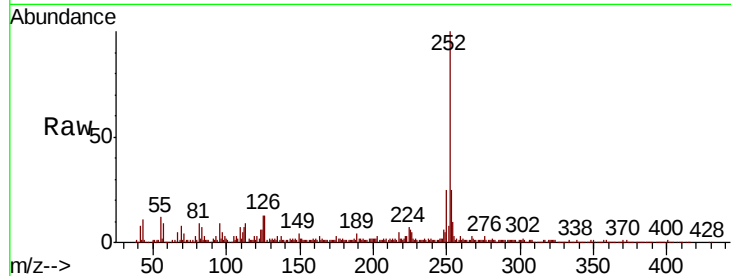




#88
Benzo(b)fluoranthene
Concen: 24.535 ng
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

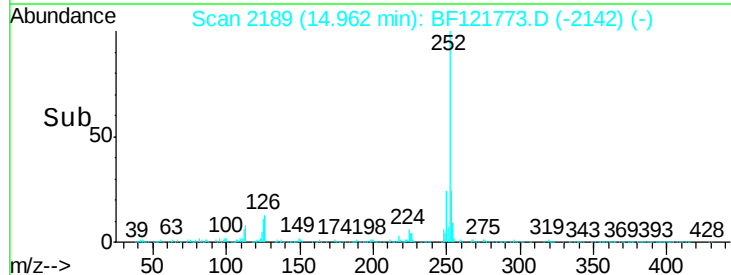
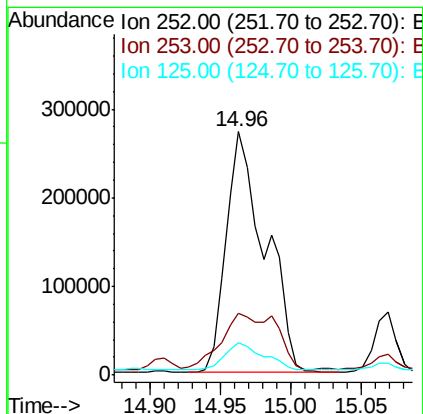
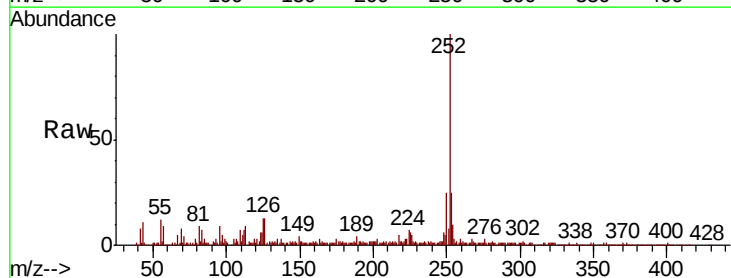
Instrument :
BNA_F
ClientSampleId :
B-10(4-5)

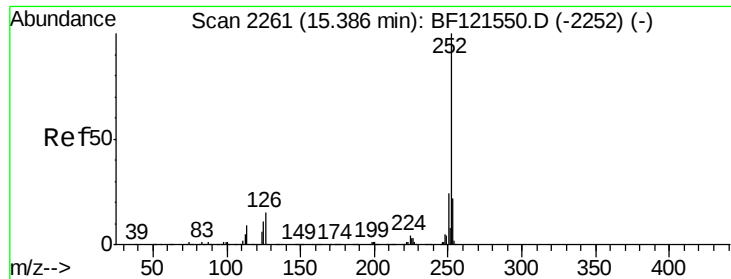
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.2
125	13.3	8.0	12.0



#89
Benzo(k)fluoranthene
Concen: 26.792 ng
RT: 14.96 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BF121773.D
Acq: 1 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.6
125	13.3	7.7	11.5





#90

Benzo(a)pyrene

Concen: 16.158 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Instrument :

BNA_F

ClientSampleId :

B-10(4-5)

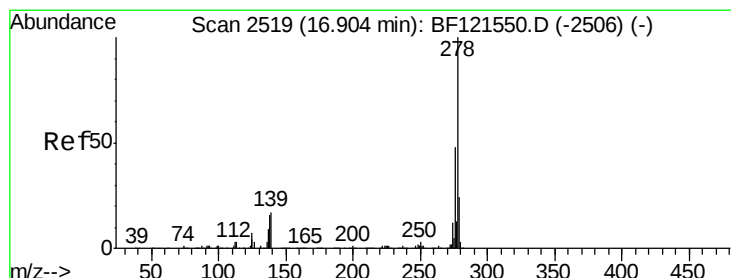
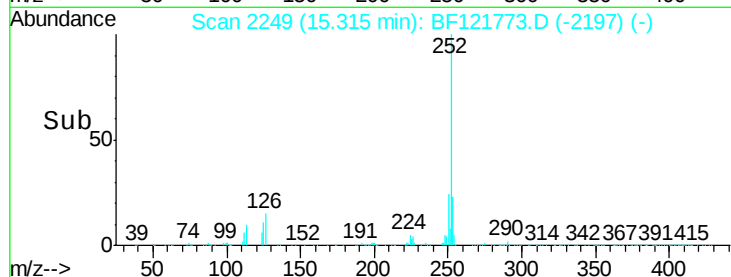
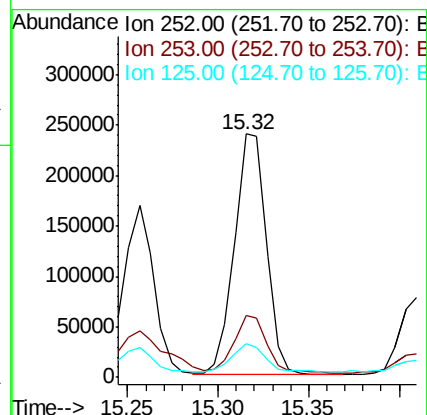
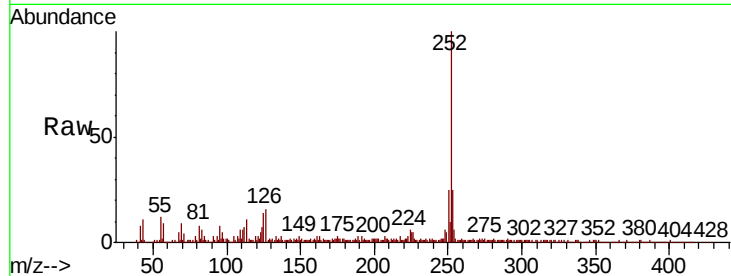
Tot Ion:252 Resp: 293464

Ion Ratio Lower Upper

252 100

253 25.2 17.3 25.9

125 13.8 8.6 13.0#



#91

Dibenzo(a,h)anthracene

Concen: 2.658 ng

RT: 16.80 min Scan# 2502

Delta R.T. 0.01 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

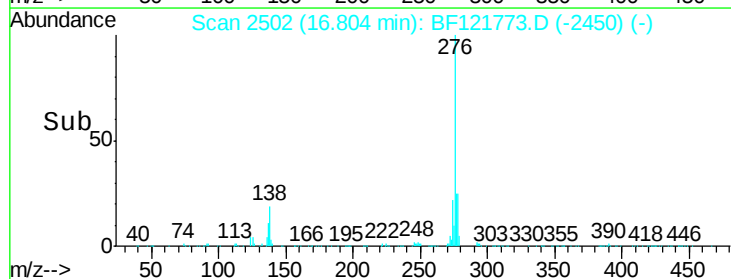
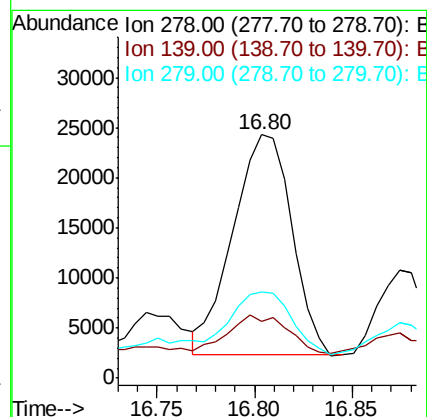
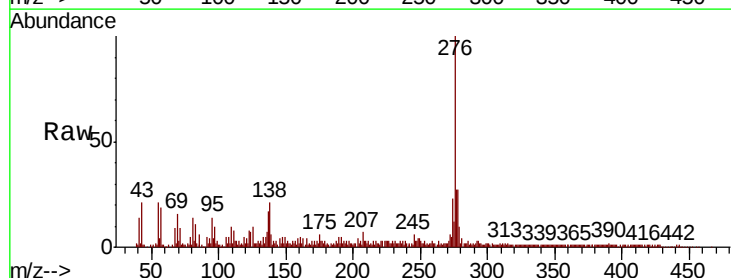
Tgt Ion:278 Resp: 46059

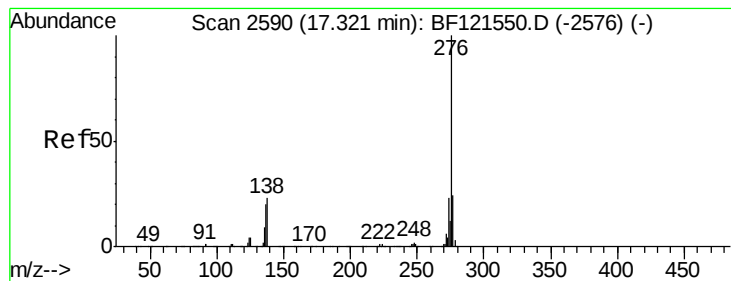
Ion Ratio Lower Upper

278 100

139 23.2 13.0 19.4#

279 35.4 19.0 28.4#





#92

Benzo(a,h,i)perylene

Concen: 9.248 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.02 min

Lab File: BF121773.D

Acq: 1 Oct 2020 18:14

Instrument :

BNA_F

ClientSampleId :

B-10(4-5)

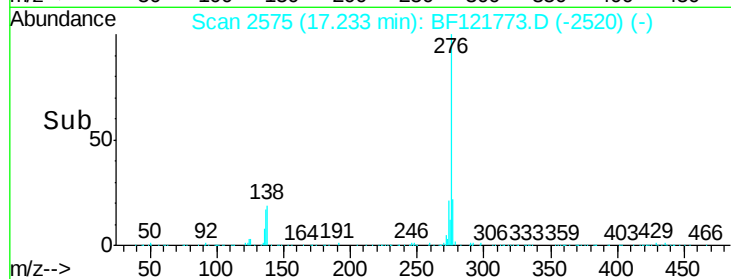
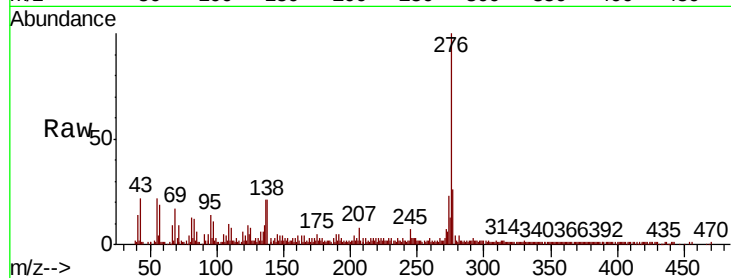
Tot Ion:276 Resp: 157508

Ion Ratio Lower Upper

276 100

277 25.5 19.4 29.2

138 21.3 17.8 26.6



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

