

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121770.D
 Acq On : 1 Oct 2020 16:40
 Operator : JU/CG
 Sample : L4179-03 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-9(12-14)

Quant Time: Oct 01 17:18:50 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	148856	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	564394	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	277743	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	470961	20.00	ng	0.00
76) Chrysene-d12	13.93	240	315230	20.00	ng	0.00
86) Perylene-d12	15.36	264	323431	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	148617	14.84	ng	0.00
7) Phenol-d6	6.40	99	192334	14.64	ng	-0.02
23) Nitrobenzene-d5	7.33	82	122131	11.62	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	43826	12.70	ng	-0.01
45) 2-Fluorobiphenyl	9.13	172	237199	12.93	ng	0.00
79) Terphenyl-d14	12.87	244	193580	12.44	ng	-0.01

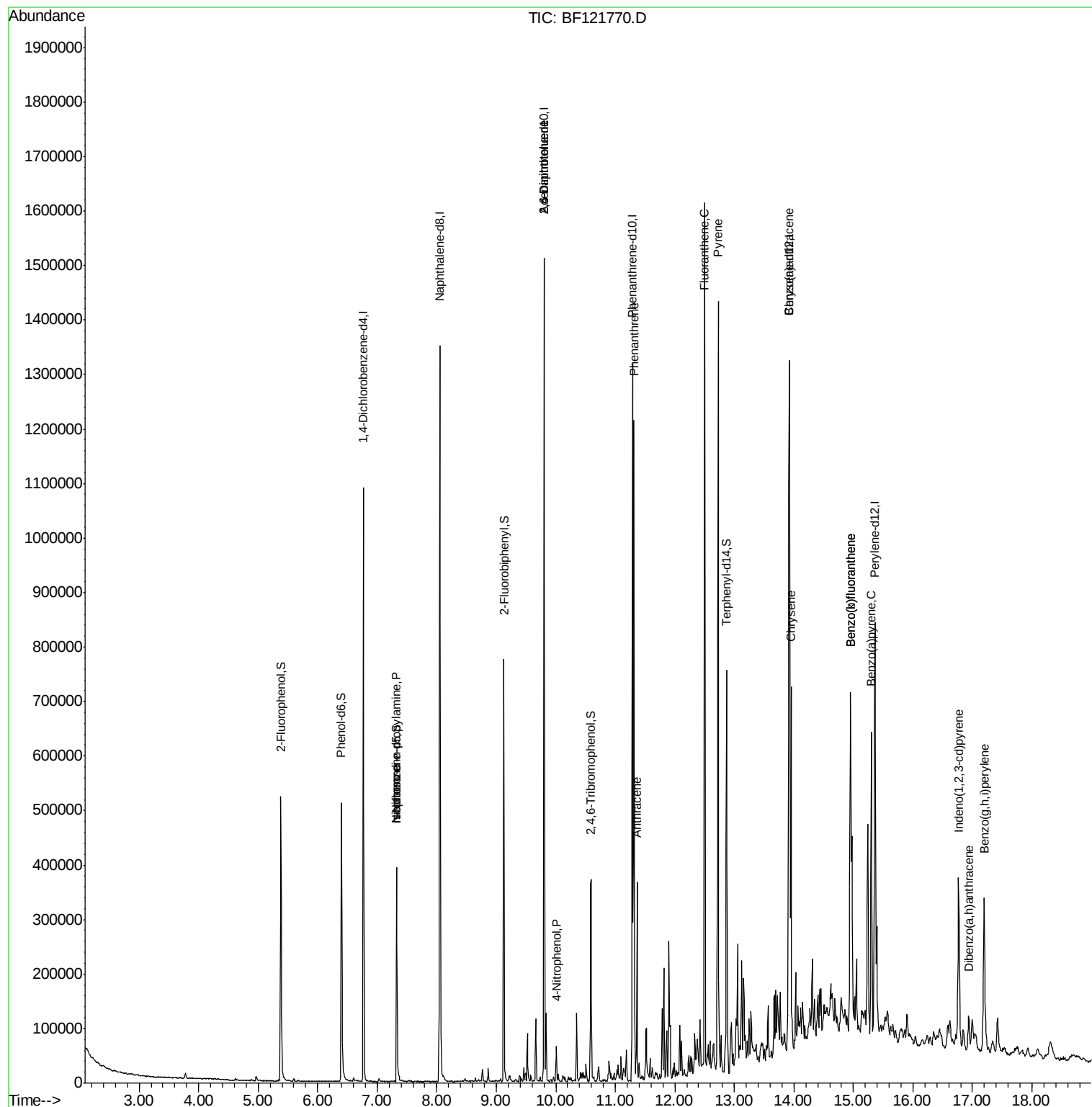
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.33	70	15724	2.076	ng	# 79
25) Isophorone	7.33	82	122130	5.772	ng	# 67
51) 2,6-Dinitrotoluene	9.80	165	35007	8.166	ng	# 20
56) 4-Nitrophenol	10.01	139	8226	2.077	ng	# 10
57) 2,4-Dinitrotoluene	9.80	165	35007	6.491	ng	# 20
71) Phenanthrene	11.31	178	397781	15.502	ng	100
72) Anthracene	11.36	178	125013	4.721	ng	98
75) Fluoranthene	12.50	202	642397	23.452	ng	97
78) Pyrene	12.73	202	556089	24.145	ng	99
81) Benzo(a)anthracene	13.92	228	299767	15.031	ng	96
83) Chrysene	13.95	228	223378	11.061	ng	97
87) Indeno(1,2,3-cd)pyrene	16.77	276	189265	8.986	ng	95
88) Benzo(b)fluoranthene	14.95	252	433299	20.040	ng	98
89) Benzo(k)fluoranthene	14.95	252	433299	21.884	ng	98
90) Benzo(a)pyrene	15.30	252	239835	13.049	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	38096	2.173	ng	94
92) Benzo(g,h,i)perylene	17.20	276	207899	12.063	ng	99

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

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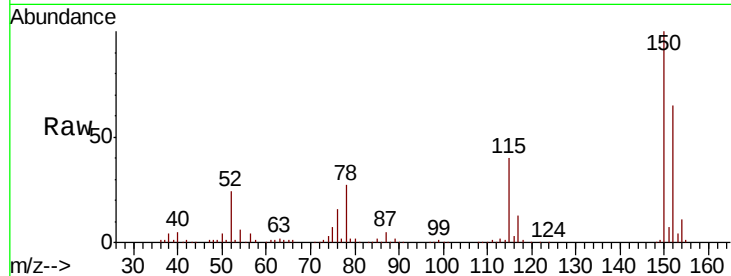




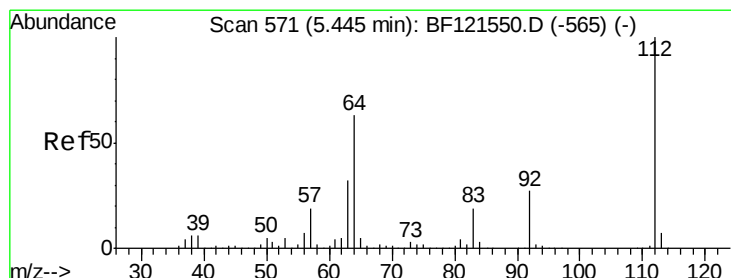
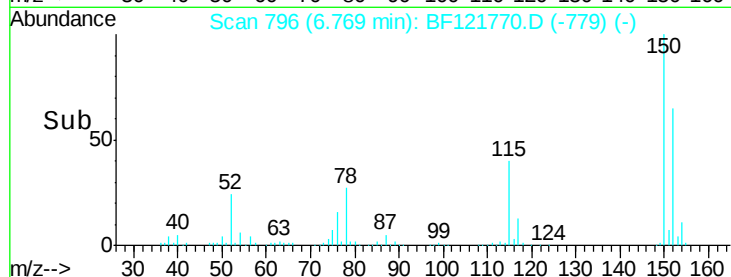
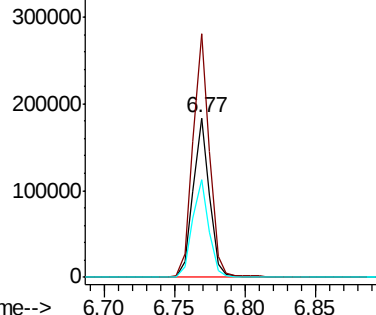
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF121770.D
 Acq: 1 Oct 2020 16:40

Instrument :
 BNA_F
 ClientSampleId :
 B-9(12-14)

Tot Ion:152 Resp: 148856
 Ion Ratio Lower Upper
 152 100
 150 152.8 125.3 187.9
 115 61.5 51.9 77.9

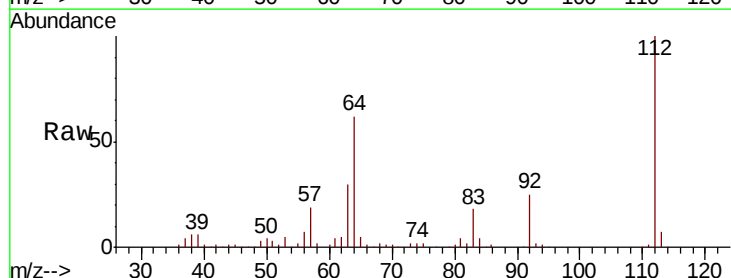


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

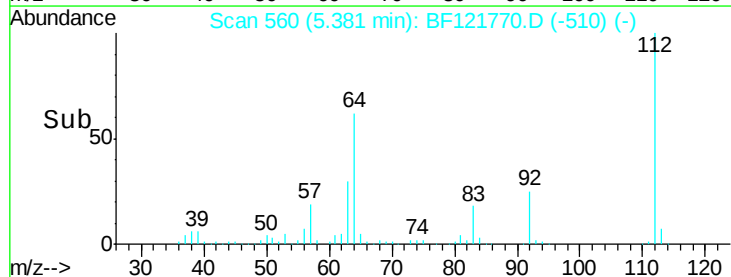
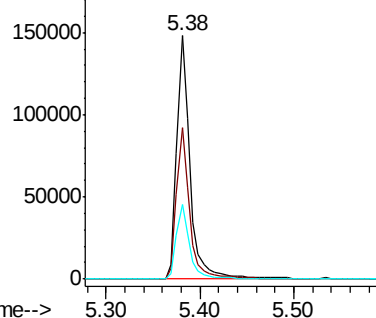


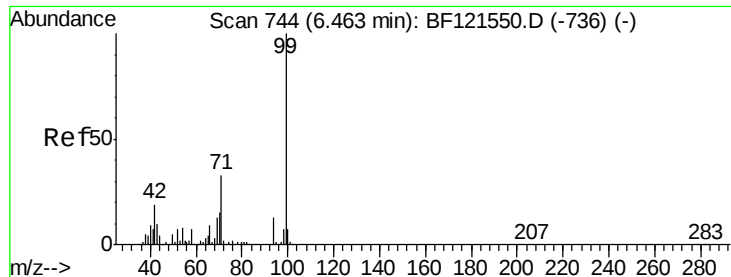
#5
 2-Fluorophenol
 Concen: 14.837 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121770.D
 Acq: 1 Oct 2020 16:40

Tgt Ion:112 Resp: 148617
 Ion Ratio Lower Upper
 112 100
 64 62.4 50.4 75.6
 63 30.5 25.8 38.6



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: 14.636 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-9(12-14)

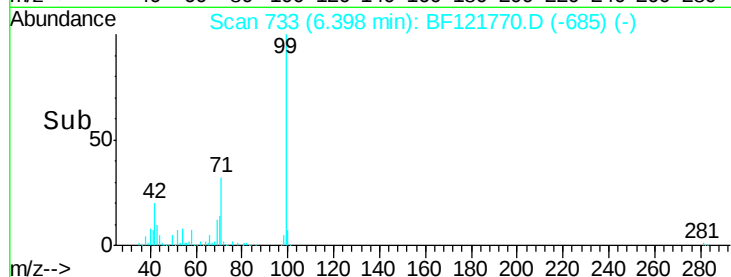
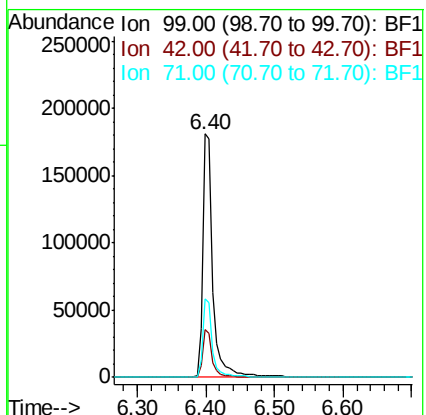
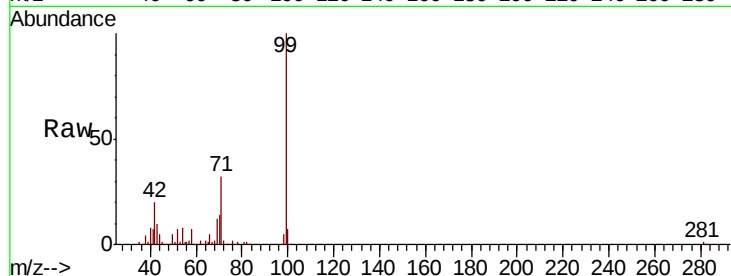
Tot Ion: 99 Resp: 192334

Ion Ratio Lower Upper

99 100

42 19.9 15.9 23.9

71 32.0 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.076 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

Tgt Ion: 70 Resp: 15724

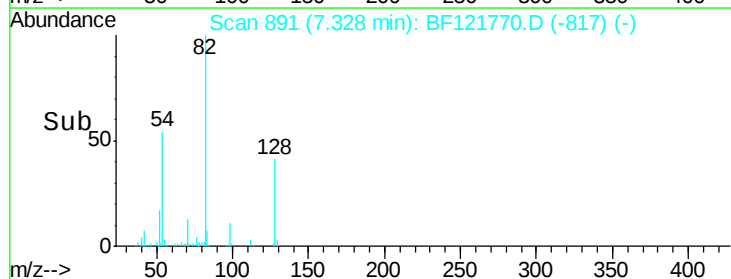
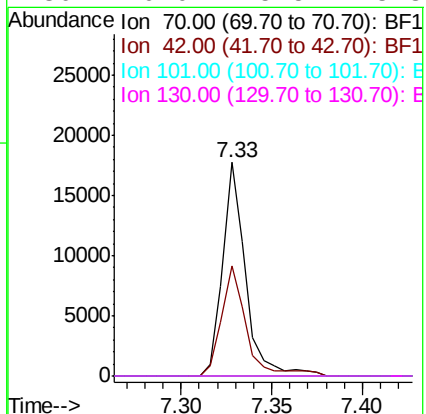
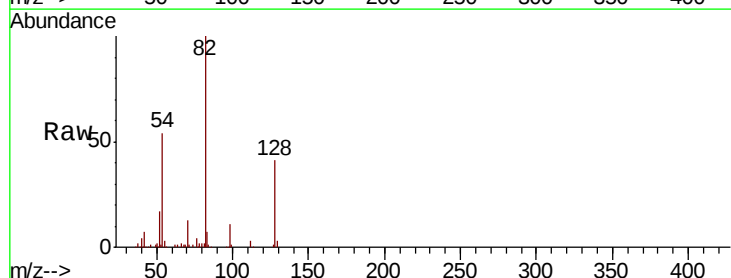
Ion Ratio Lower Upper

70 100

42 51.8 50.2 75.4

101 0.0 7.5 11.3#

130 0.0 15.5 23.3#

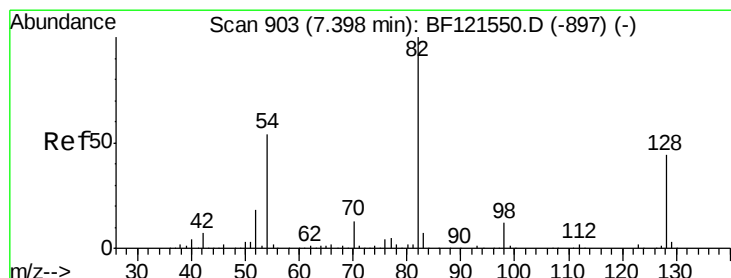
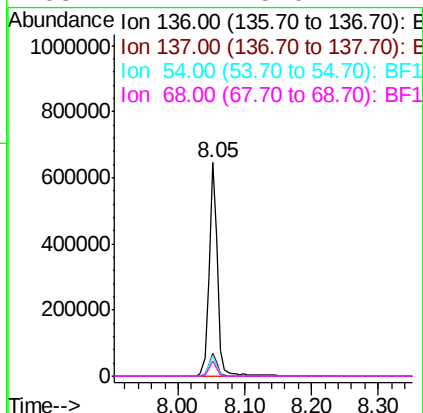
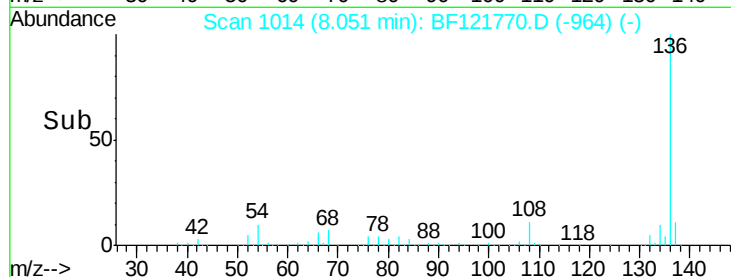
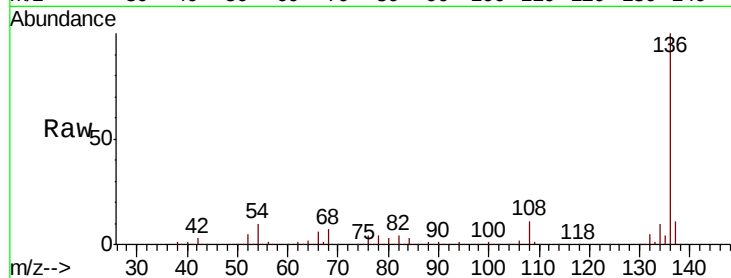




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF121770.D
Acq: 1 Oct 2020 16:40

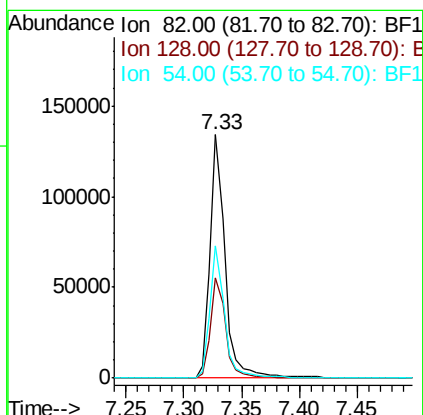
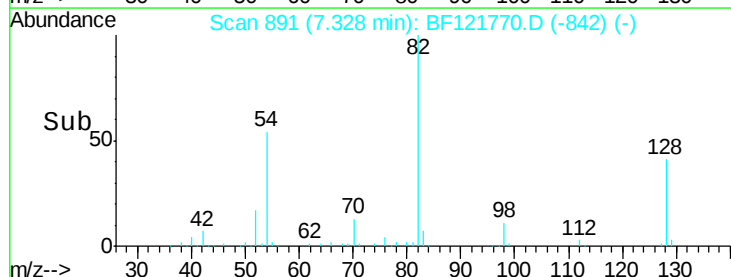
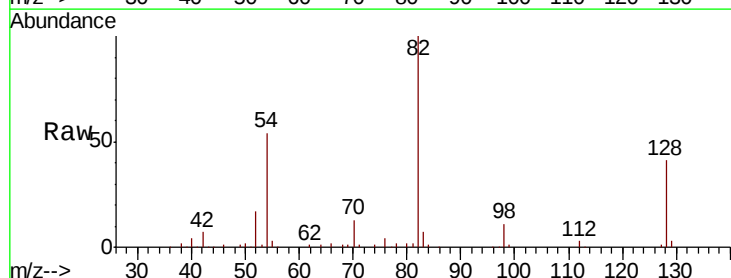
Instrument :
BNA_F
ClientSampleId :
B-9(12-14)

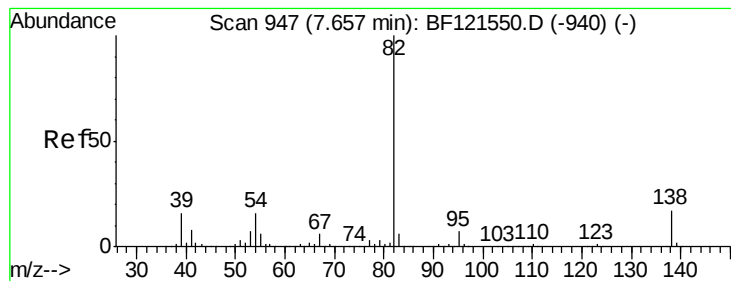
Tot Ion:136	Resp:	564394
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 13.0
54	9.5	7.1 10.7
68	7.2	5.0 7.4



#23
Nitrobenzene-d5
Concen: 11.619 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121770.D
Acq: 1 Oct 2020 16:40

Tgt Ion: 82	Resp:	122131
Ion	Ratio	Lower Upper
82	100	
128	41.2	35.0 52.4
54	54.3	43.9 65.9





#25

Isophorone

Concen: 5.772 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-9(12-14)

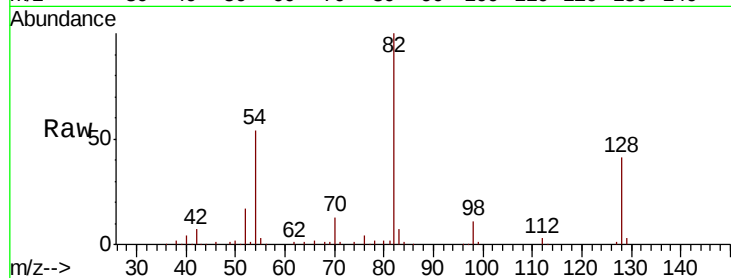
Tot Ion: 82 Resp: 122130

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

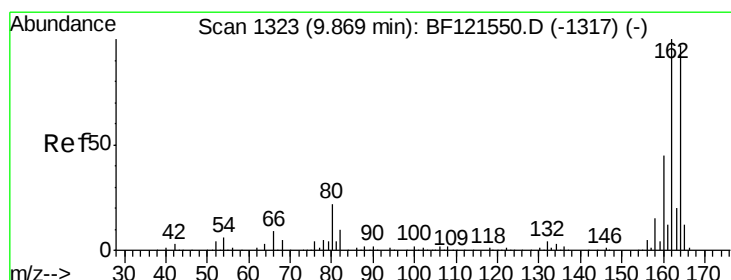
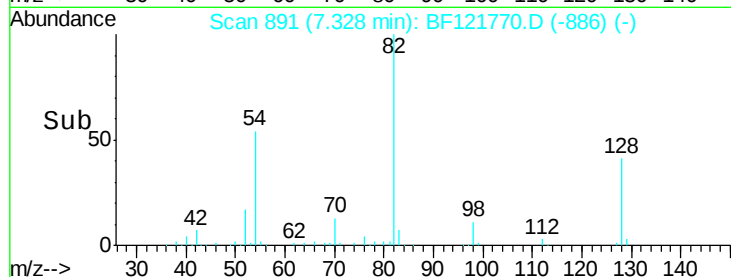
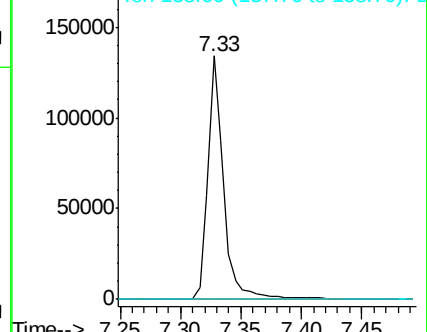
138 0.0 13.4 20.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

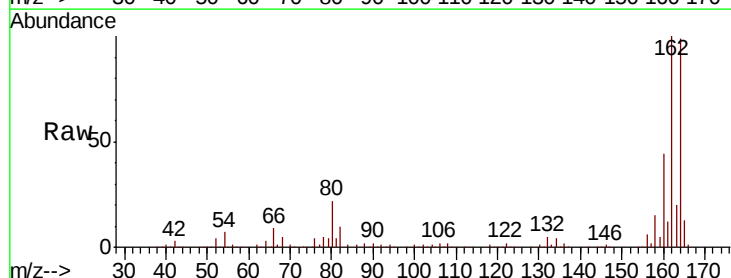
Tgt Ion: 164 Resp: 277743

Ion Ratio Lower Upper

164 100

162 101.5 83.2 124.8

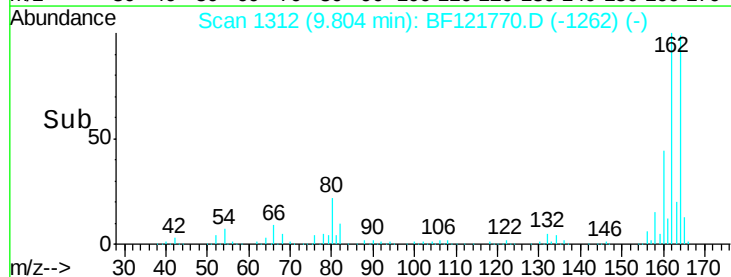
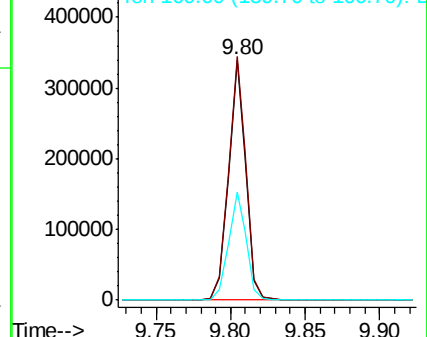
160 45.1 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

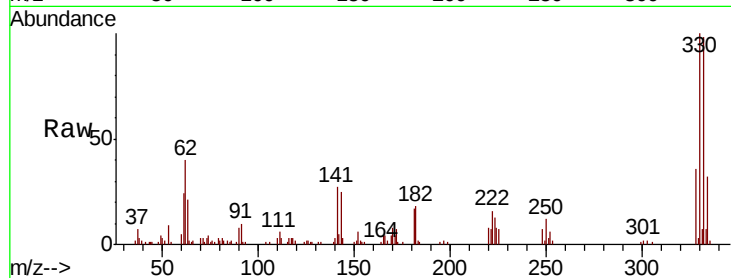




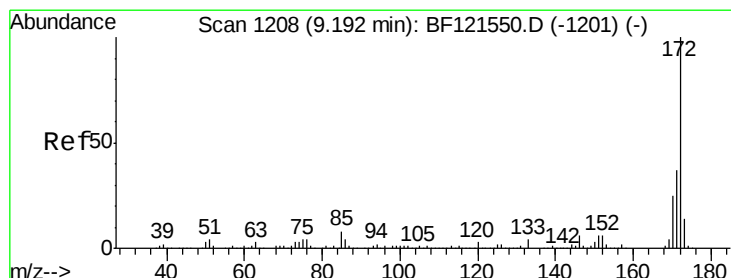
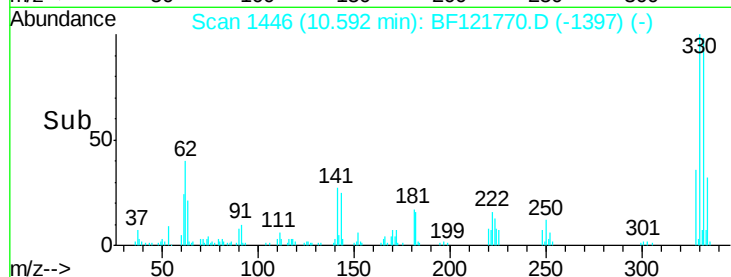
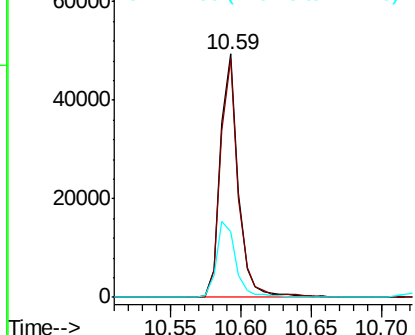
#42
 2,4,6-Tribromophenol
 Concen: 12.696 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121770.D
 Acq: 1 Oct 2020 16:40

Instrument :
 BNA_F
 ClientSampleId :
 B-9(12-14)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	33.2	22.3	33.5

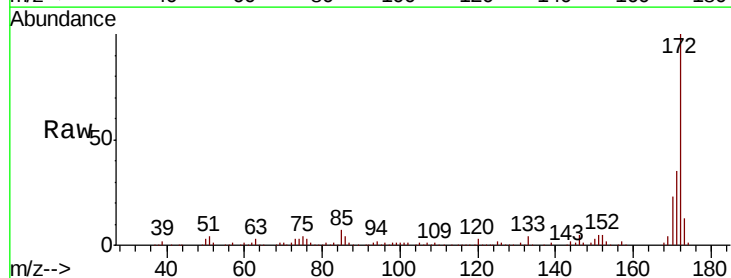


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

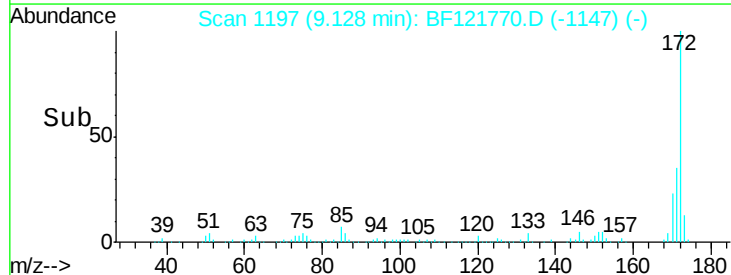
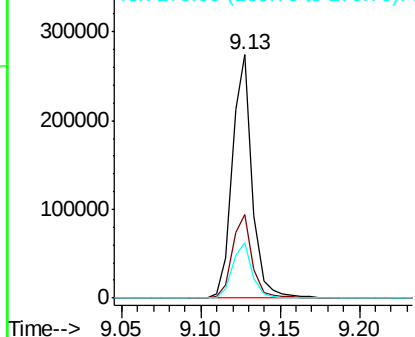


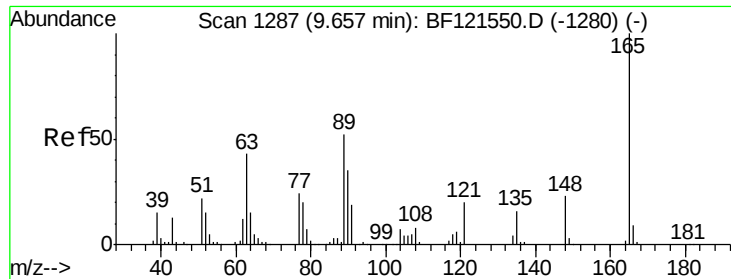
#45
 2-Fluorobiphenyl
 Concen: 12.934 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF121770.D
 Acq: 1 Oct 2020 16:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.1	43.7
170	23.0	19.8	29.6



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

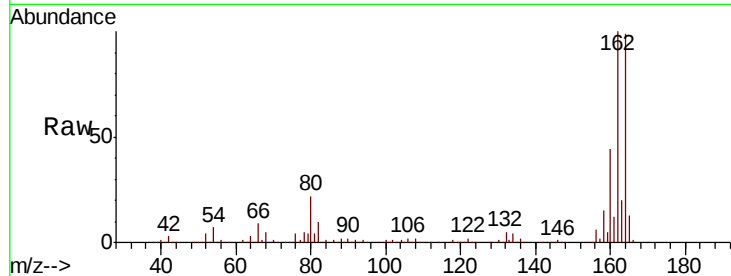




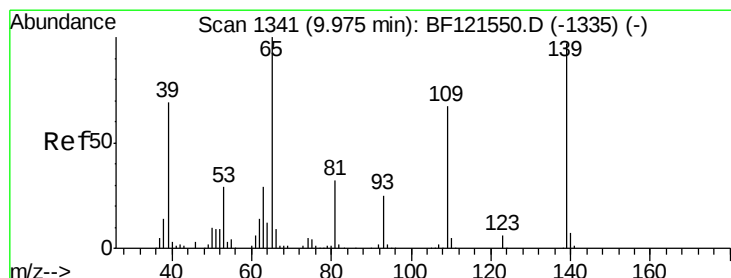
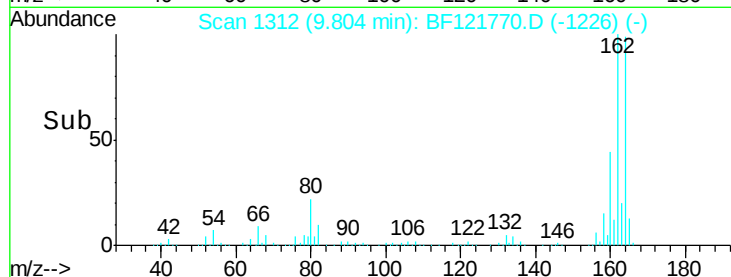
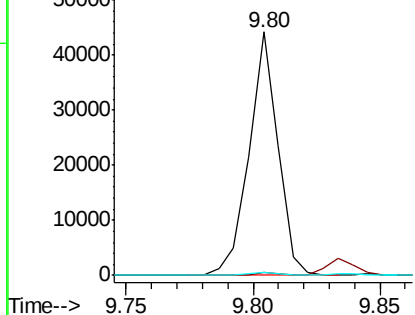
#51
 2,6-Dinitrotoluene
 Concen: 8.166 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.21 min
 Lab File: BF121770.D
 Acq: 1 Oct 2020 16:40

Instrument :
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 ClientSampleId :
 B-9(12-14)

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	51.8	77.6#
89	1.4	49.0	73.6#

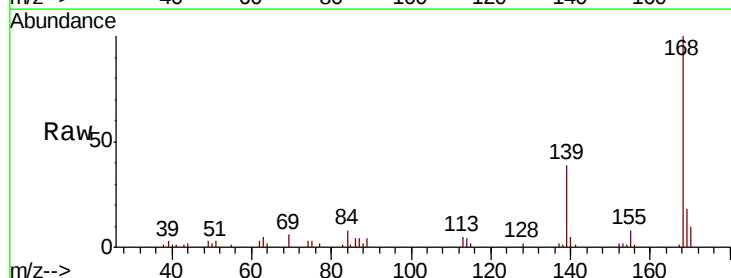


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

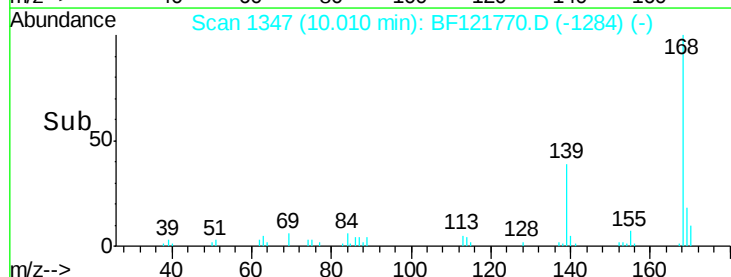
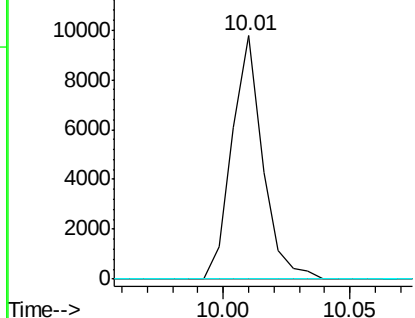


#56
 4-Nitrophenol
 Concen: 2.077 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.07 min
 Lab File: BF121770.D
 Acq: 1 Oct 2020 16:40

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	45.4	85.4#
65	0.0	68.4	108.4#



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

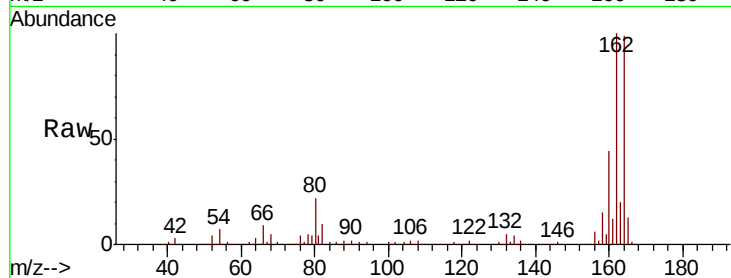




#57
 2,4-Dinitrotoluene
 Concen: 6.491 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.20 min
 Lab File: BF121770.D
 Acq: 1 Oct 2020 16:40

Instrument :
 BNA_F
 ClientSampleId :
 B-9(12-14)

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.3	61.9#
89	1.4	61.8	92.8#
182	0.0	2.1	3.1#

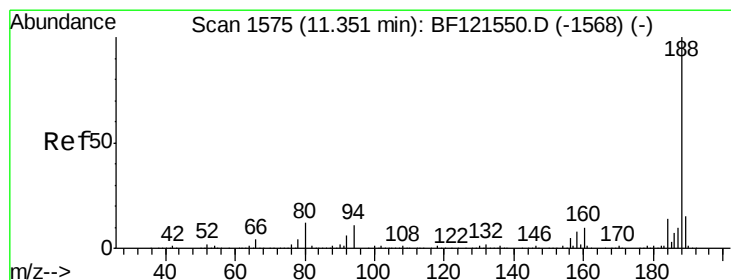
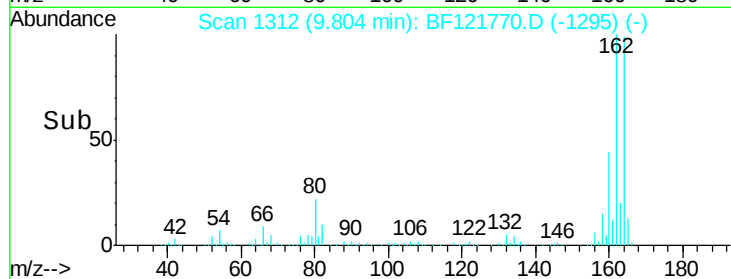
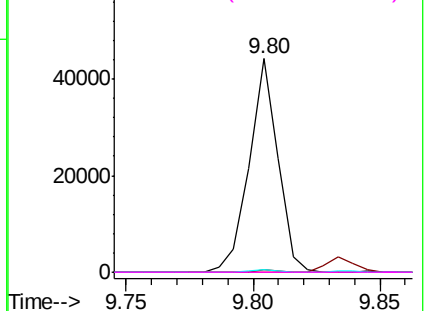


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

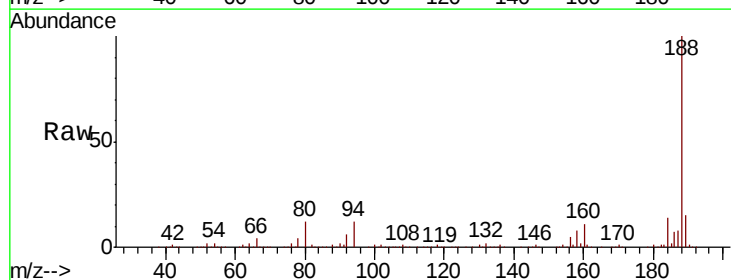
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF121770.D
 Acq: 1 Oct 2020 16:40

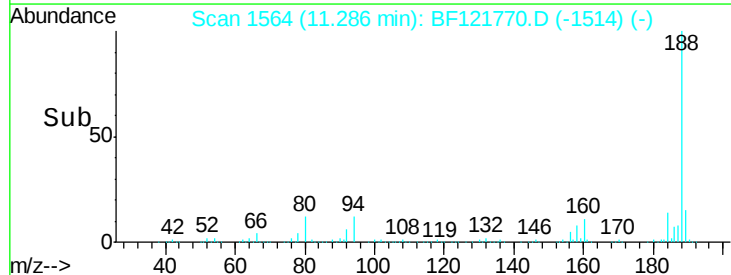
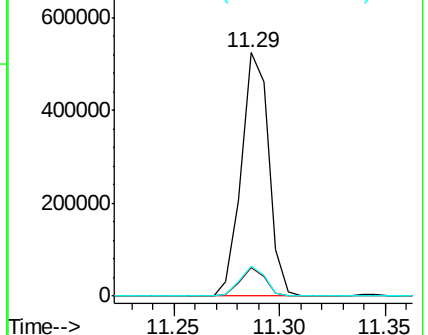
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.3	12.5
80	12.4	9.1	13.7

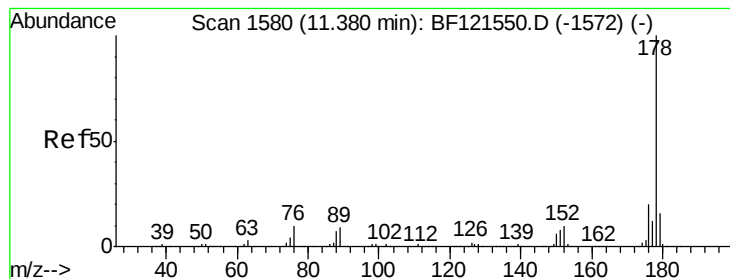


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 15.502 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-9(12-14)

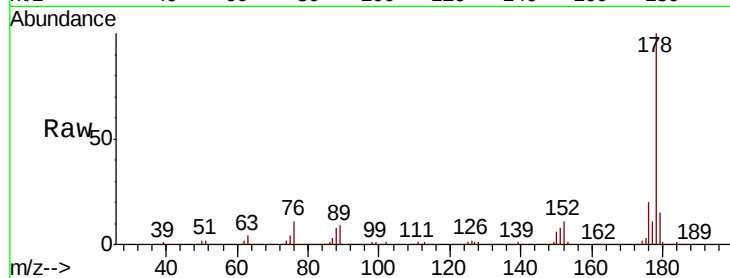
Tot Ion:178 Resp: 397781

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

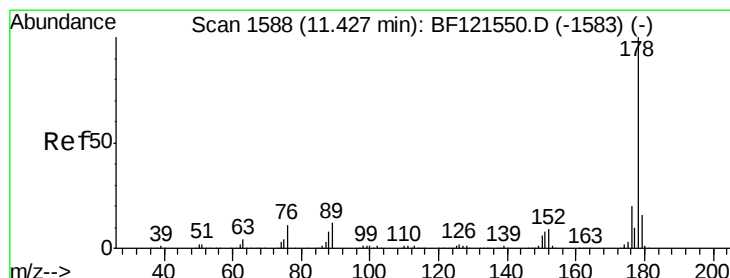
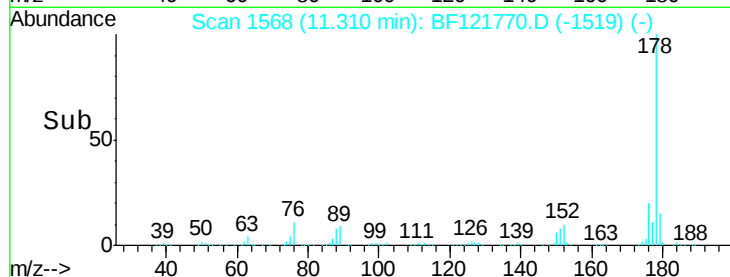
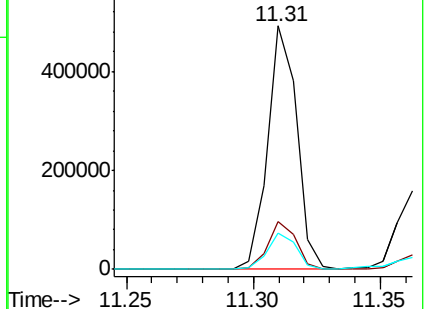
179 15.1 12.2 18.4



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: 4.721 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

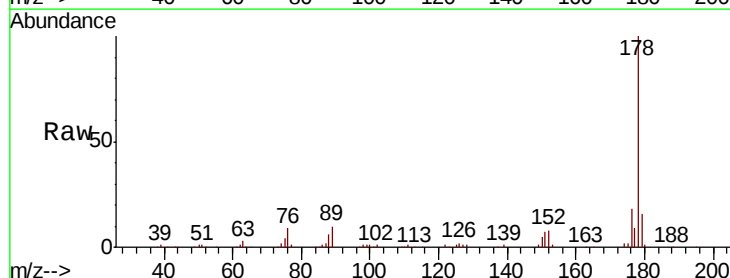
Tgt Ion:178 Resp: 125013

Ion Ratio Lower Upper

178 100

176 18.3 15.7 23.5

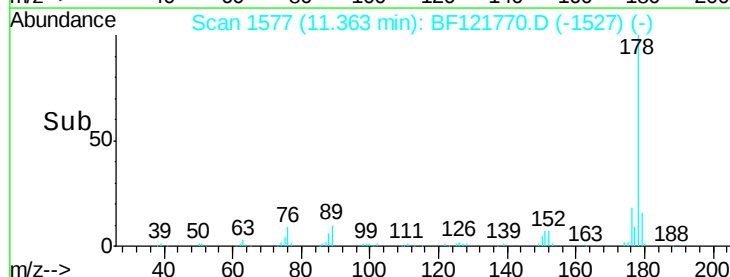
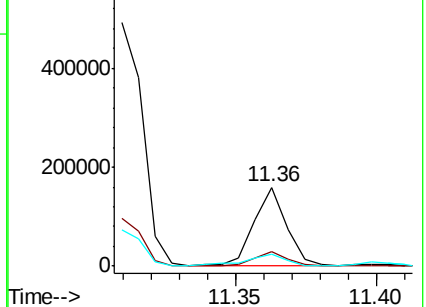
179 15.6 12.7 19.1

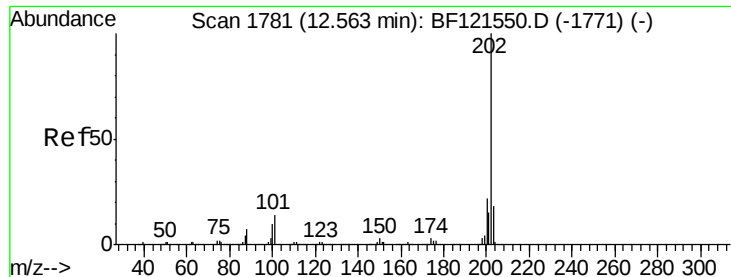


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 23.452 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-9(12-14)

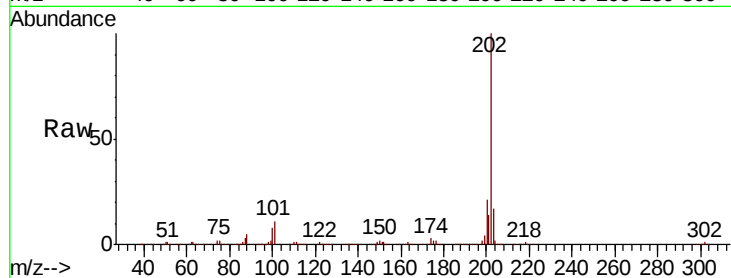
Tot Ion:202 Resp: 642397

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.4

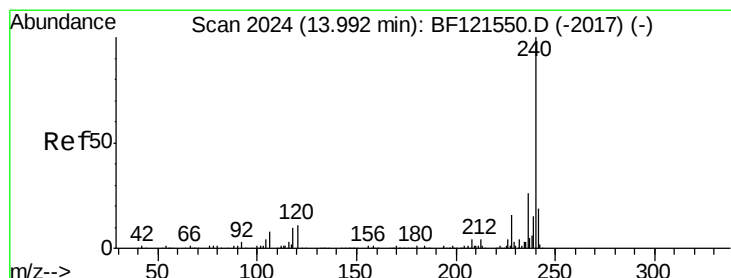
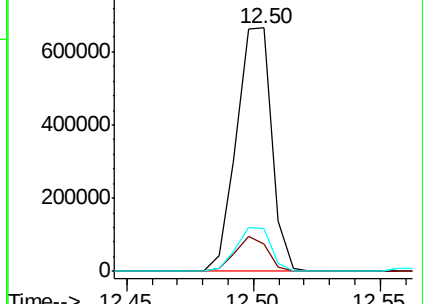
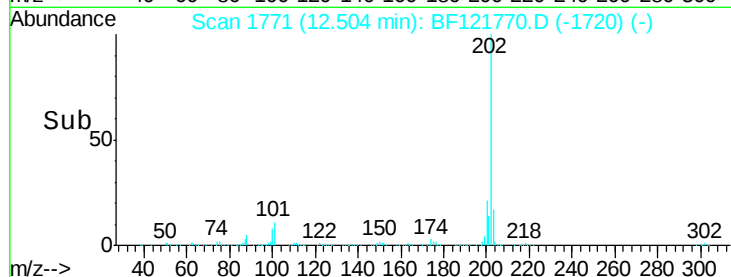
203 17.4 0.0 37.9



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# 2013

Delta R.T. -0.01 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

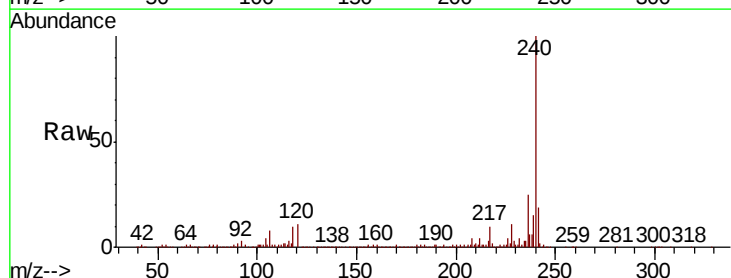
Tgt Ion:240 Resp: 315230

Ion Ratio Lower Upper

240 100

120 11.0 9.2 13.8

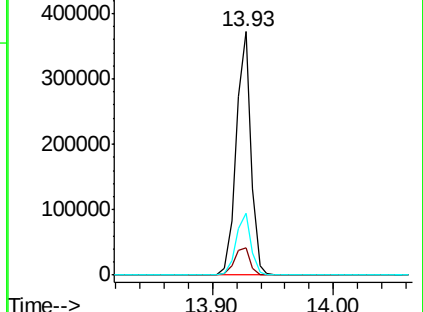
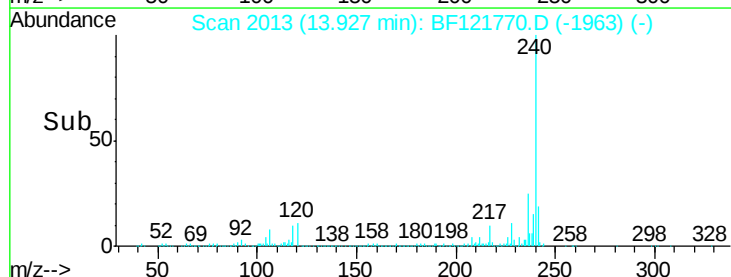
236 25.5 20.9 31.3

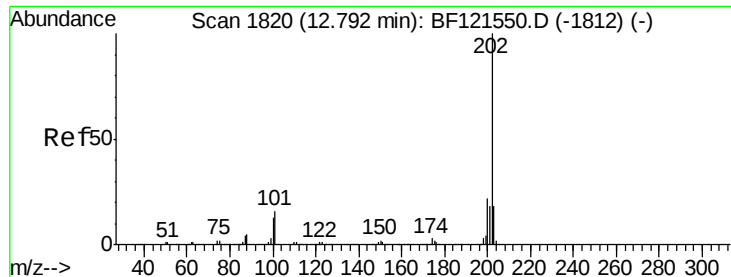


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

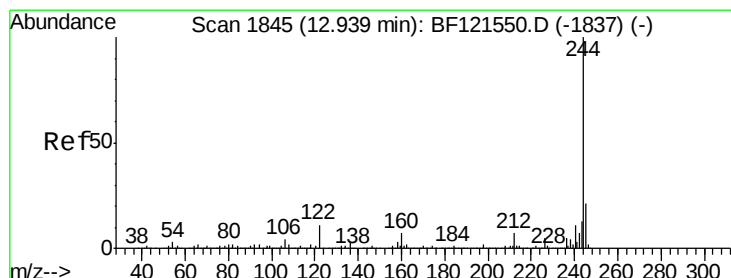
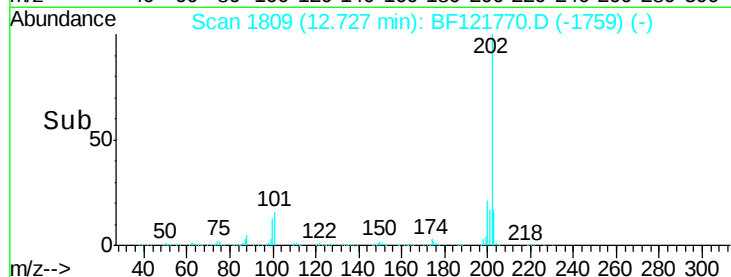
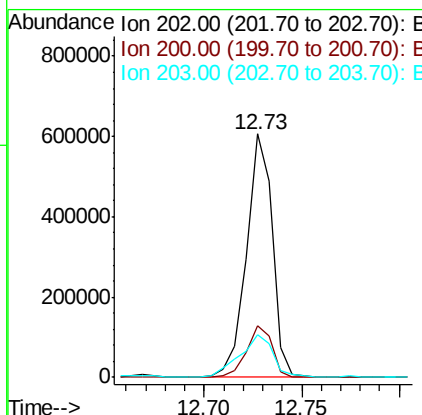
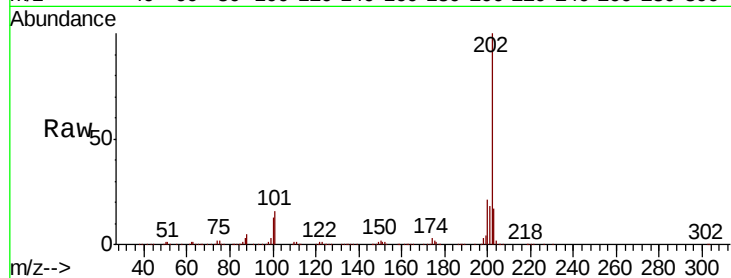




#78
Pvrene
Concen: 24.145 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121770.D
Acq: 1 Oct 2020 16:40

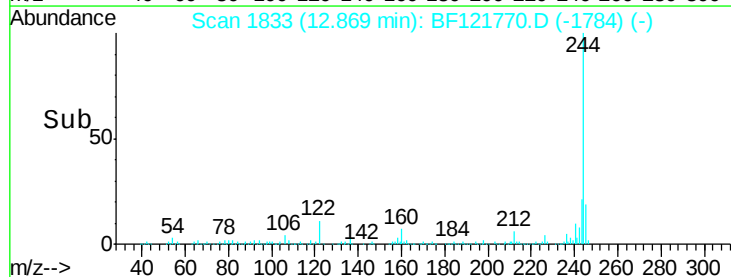
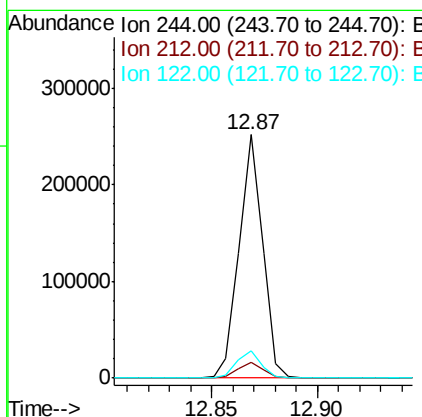
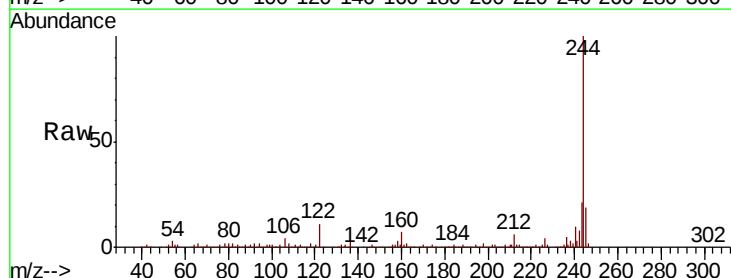
Instrument :
BNA_F
ClientSampleId :
B-9(12-14)

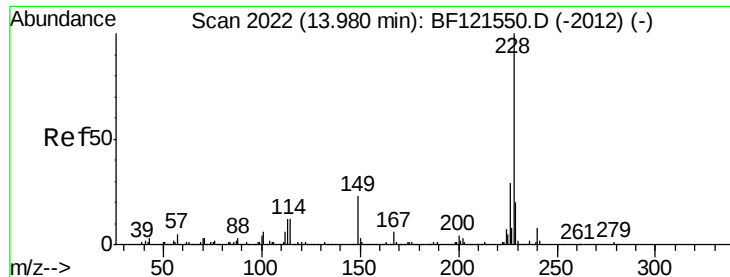
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.4	14.6	21.8



#79
Terphenyl-d14
Concen: 12.441 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121770.D
Acq: 1 Oct 2020 16:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	11.1	8.1	12.1

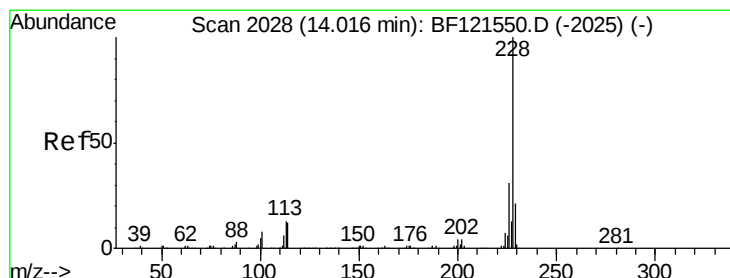
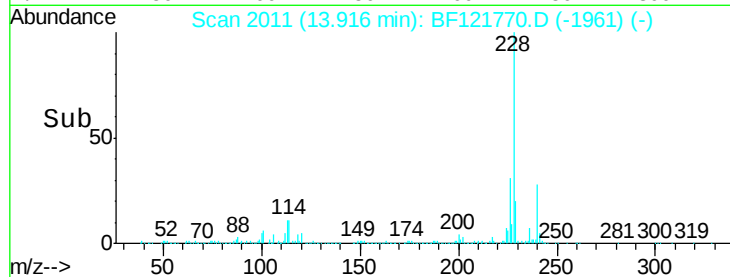
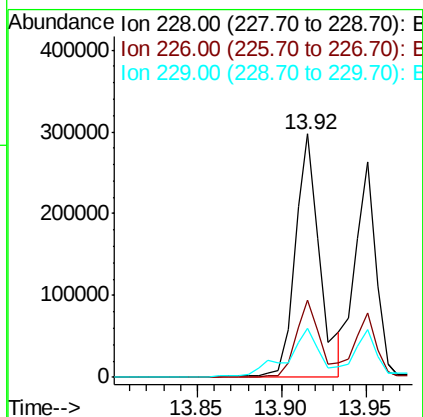
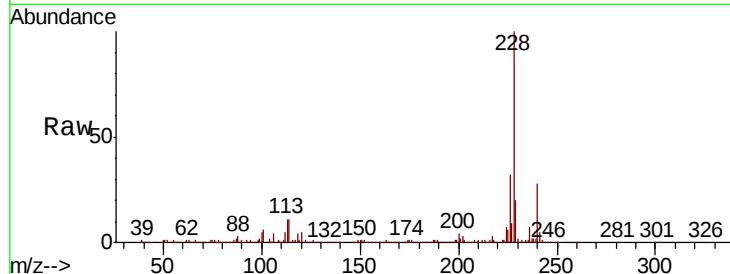




#81
Benzo(a)anthracene
Concen: 15.031 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121770.D
Acq: 1 Oct 2020 16:40

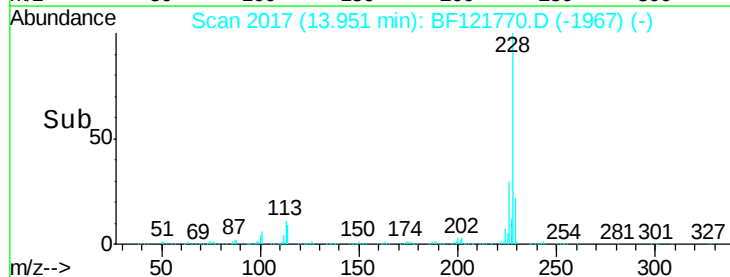
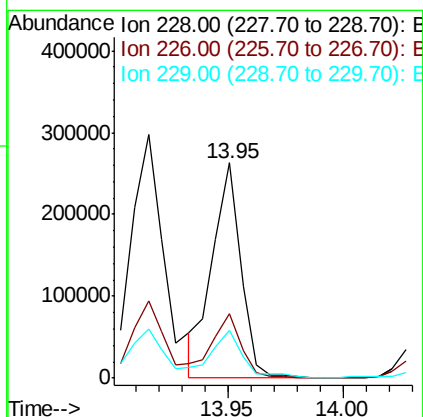
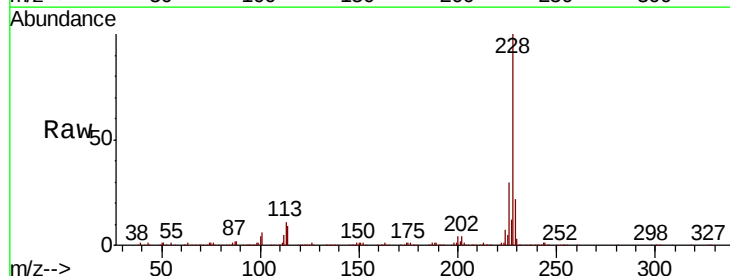
Instrument :
BNA_F
ClientSampleId :
B-9(12-14)

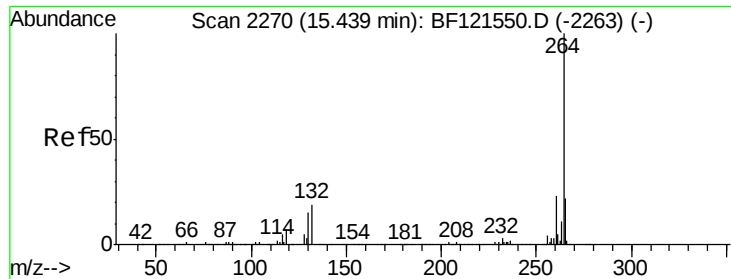
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.3	33.5
229	20.0	16.2	24.4



#83
Chrysene
Concen: 11.061 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121770.D
Acq: 1 Oct 2020 16:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	22.1	15.9	23.9

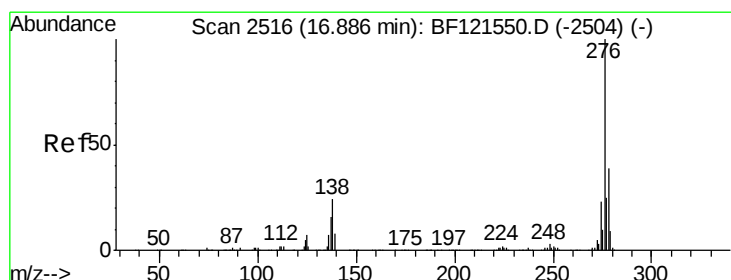
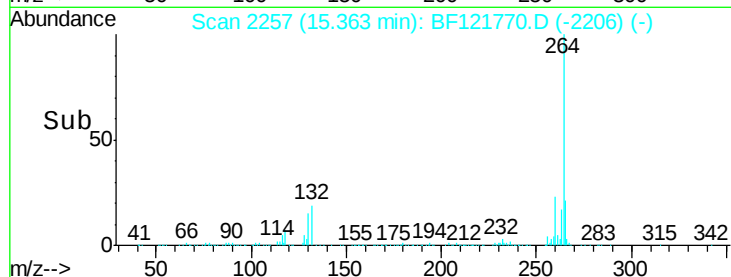
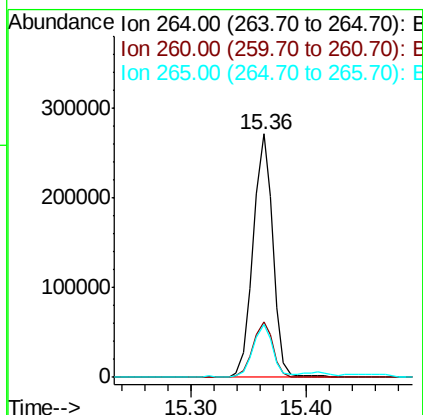
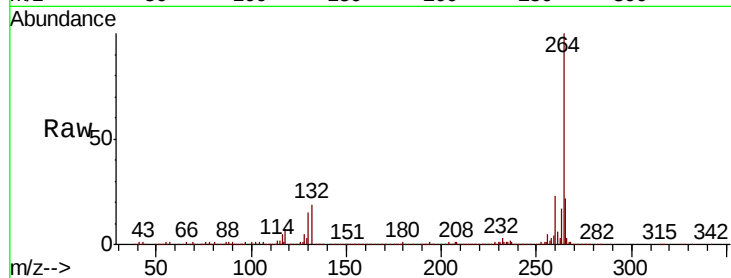




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121770.D
Acq: 1 Oct 2020 16:40

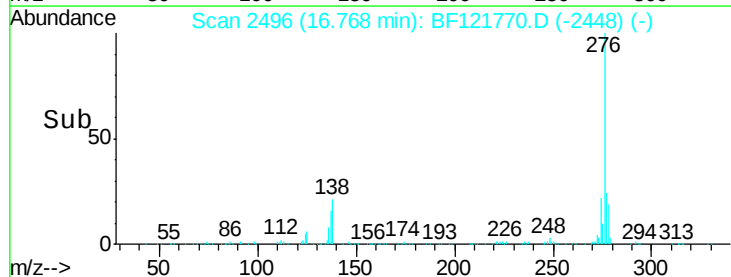
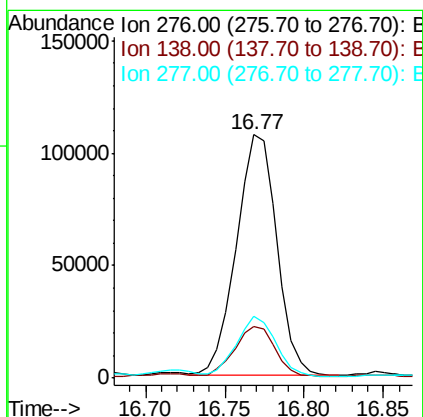
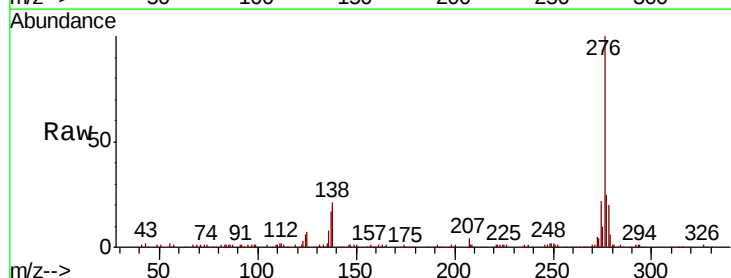
Instrument :
BNA_F
ClientSampleId :
B-9(12-14)

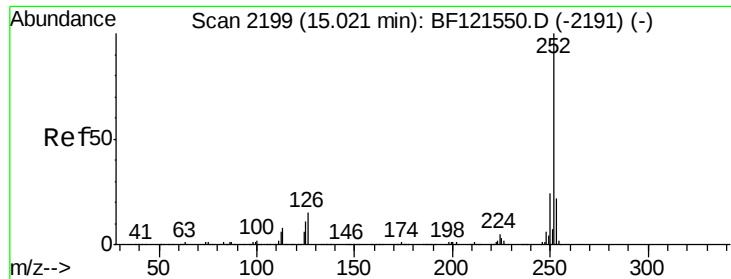
Tot Ion:264 Resp: 323431
Ion Ratio Lower Upper
264 100
260 22.6 18.7 28.1
265 21.6 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.986 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.02 min
Lab File: BF121770.D
Acq: 1 Oct 2020 16:40

Tgt Ion:276 Resp: 189265
Ion Ratio Lower Upper
276 100
138 21.4 19.9 29.9
277 24.3 20.4 30.6

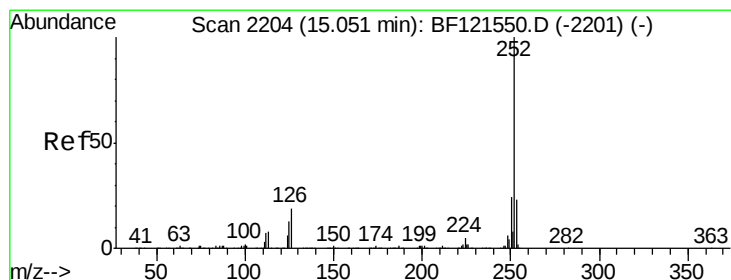
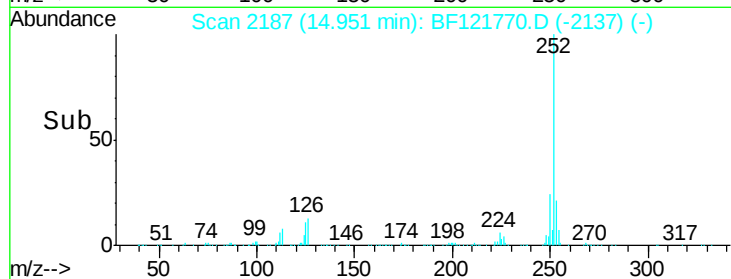
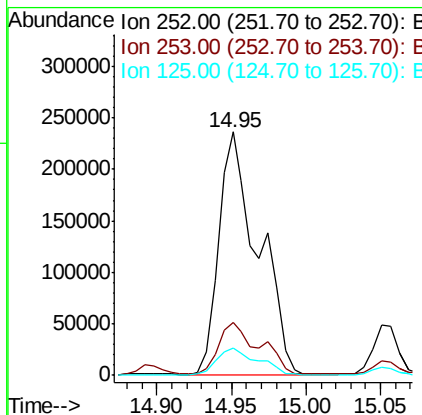
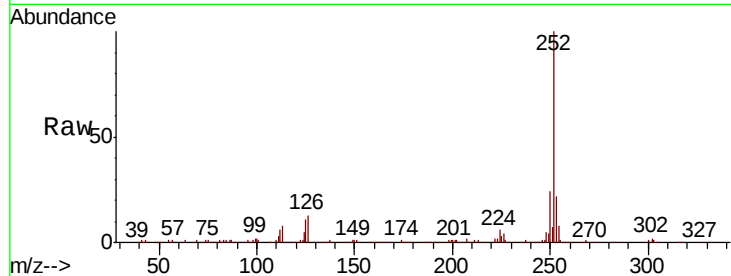




#88
Benzo(b)fluoranthene
Concen: 20.040 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121770.D
Acq: 1 Oct 2020 16:40

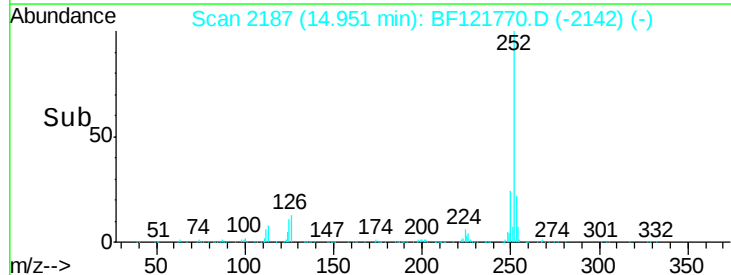
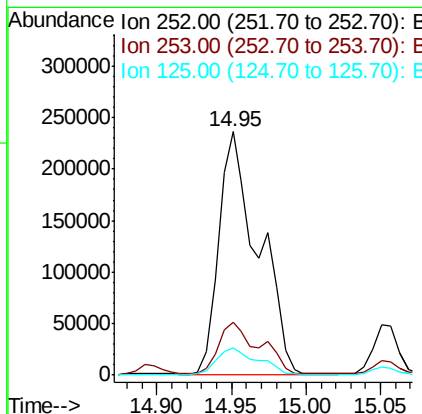
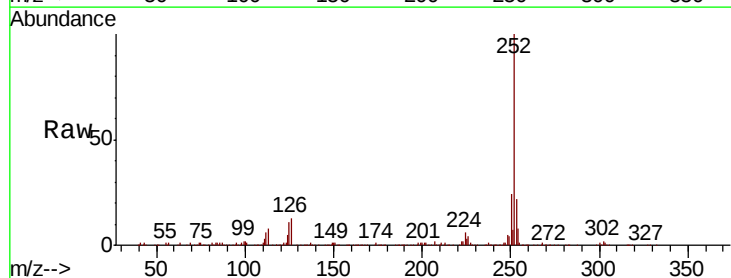
Instrument :
BNA_F
ClientSampleId :
B-9(12-14)

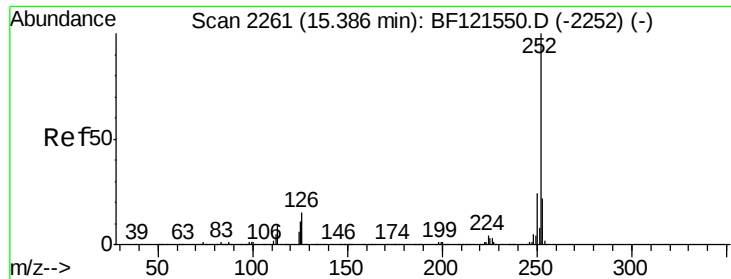
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	11.0	8.0	12.0



#89
Benzo(k)fluoranthene
Concen: 21.884 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF121770.D
Acq: 1 Oct 2020 16:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	11.0	7.7	11.5





#90

Benzo(a)pyrene

Concen: 13.049 ng

RT: 15.30 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-9(12-14)

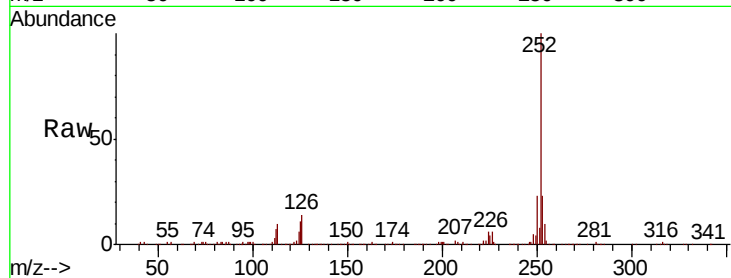
Tot Ion:252 Resp: 239835

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

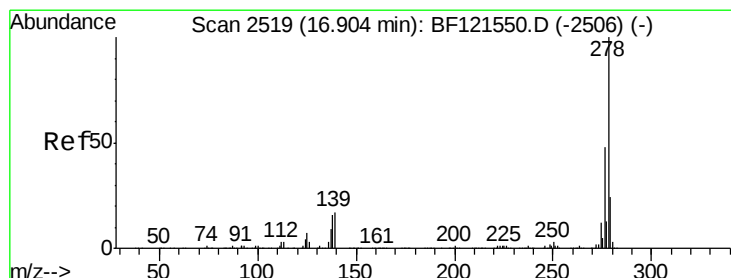
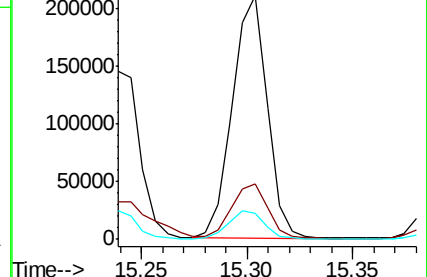
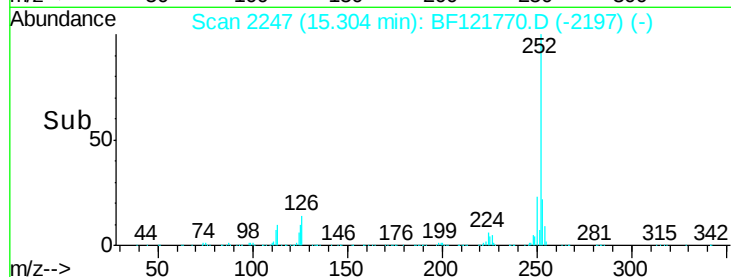
125 10.6 8.6 13.0



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: 2.173 ng

RT: 16.94 min Scan# 2525

Delta R.T. 0.14 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

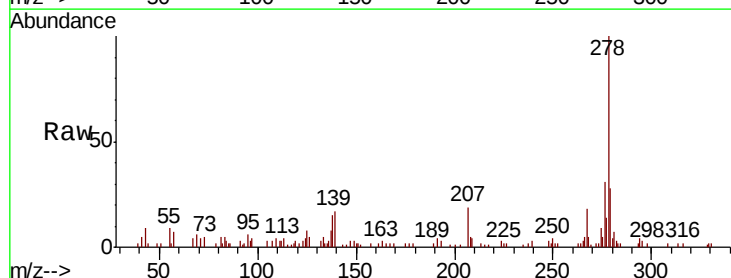
Tgt Ion:278 Resp: 38096

Ion Ratio Lower Upper

278 100

139 17.3 13.0 19.4

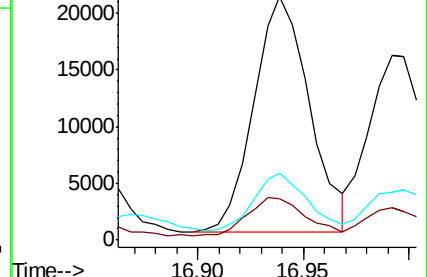
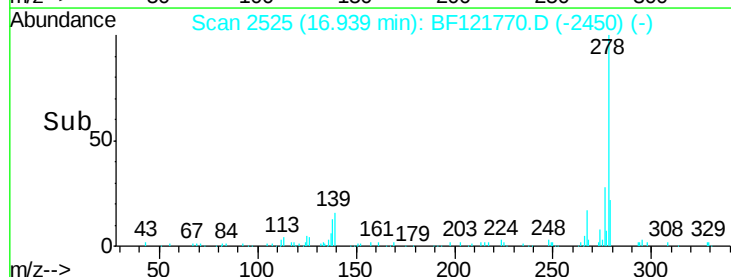
279 27.7 19.0 28.4

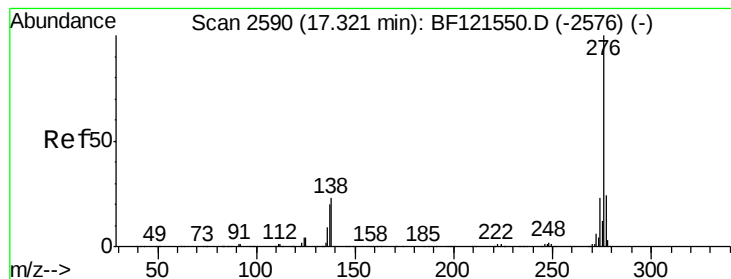


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 12.063 ng

RT: 17.20 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BF121770.D

Acq: 1 Oct 2020 16:40

Instrument :

BNA_F

ClientSampleId :

B-9(12-14)

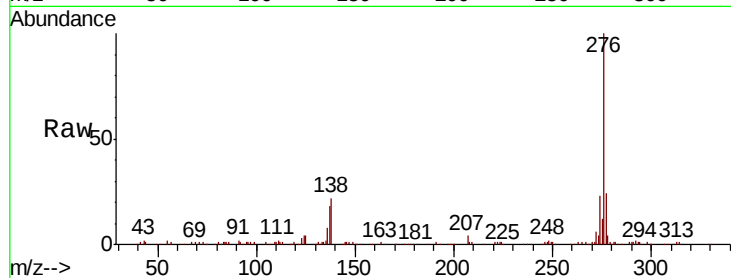
Tot Ion:276 Resp: 207899

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.2

138 21.6 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

