

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121793.D
 Acq On : 2 Oct 2020 14:38
 Operator : JU/CG
 Sample : L4198-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-10

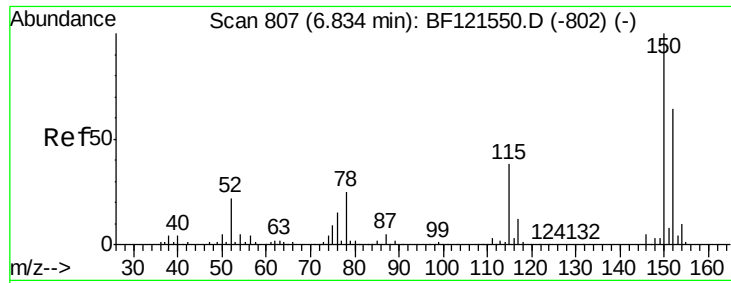
Quant Time: Oct 02 16:00:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	132086	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	523763	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	266843	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	463605	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	298331	20.00	ng	-0.02
86) Perylene-d12	15.36	264	275074	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	814013	91.59	ng	0.00
7) Phenol-d6	6.40	99	1032406	88.54	ng	-0.01
23) Nitrobenzene-d5	7.33	82	715382	73.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	299548	90.32	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1226075	69.59	ng	-0.01
79) Terphenyl-d14	12.87	244	1074298	72.95	ng	-0.01

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.33	70	96940	14.425	ng	# 78
25) Isophorone	7.33	82	710986	36.207	ng	# 67
50) Dimethylphthalate	9.52	163	154777	8.003	ng	99
57) 2,4-Dinitrotoluene	9.80	165	34244	6.609	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	571	7.024	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	17192	3.257	ng	# 1
71) Phenanthrene	11.30	178	100506	3.979	ng	97
75) Fluoranthene	12.49	202	197333	7.318	ng	98
78) Pyrene	12.72	202	192580	8.835	ng	98
81) Benzo(a)anthracene	13.91	228	96691	5.123	ng	98
83) Chrysene	13.94	228	96924	5.071	ng	97
84) Bis(2-ethylhexyl)phthalate	13.90	149	24013	2.039	ng	100
87) Indeno(1,2,3-cd)pyrene	16.76	276	52027	2.904	ng	96
88) Benzo(b)fluoranthene	14.94	252	152905	8.315	ng	98
89) Benzo(k)fluoranthene	14.94	252	152905	9.080	ng	# 97
90) Benzo(a)pyrene	15.29	252	74495	4.766	ng	# 96
92) Benzo(a,h,i)perylene	17.18	276	50284	3.430	ng	95

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

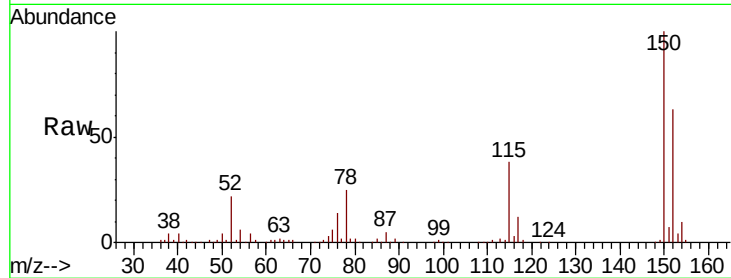


#1

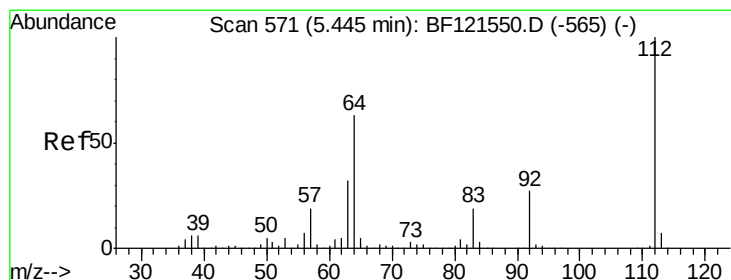
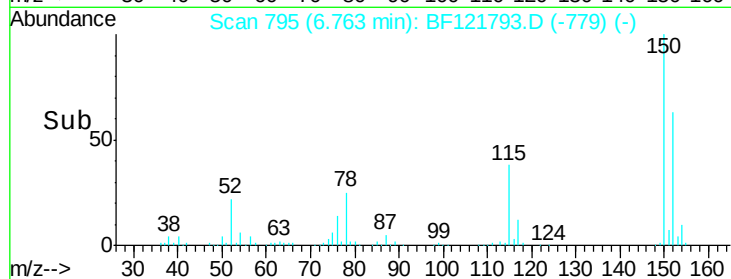
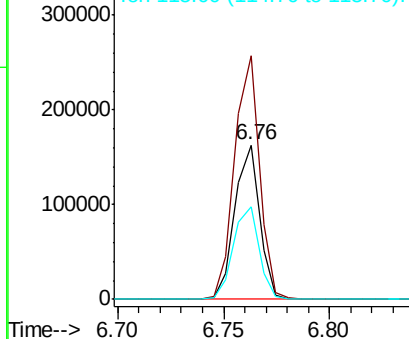
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
RO-10

Tot Ion:152 Resp: 132086
Ion Ratio Lower Upper
152 100
150 158.0 125.3 187.9
115 60.1 51.9 77.9



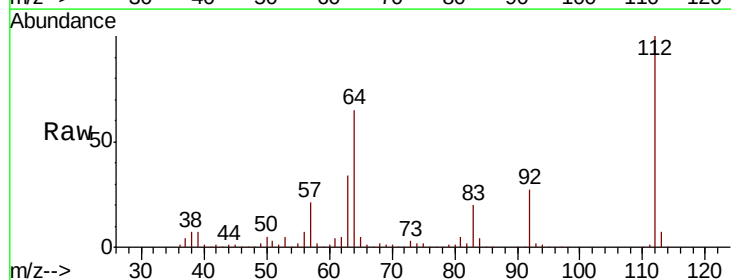
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



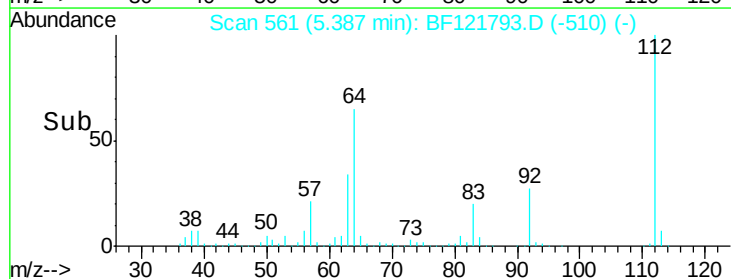
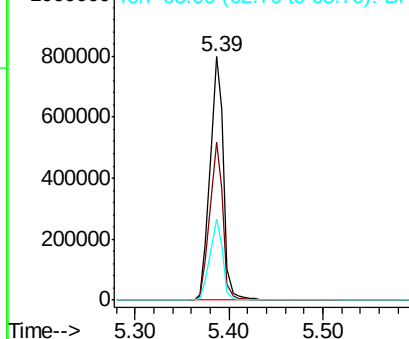
#5

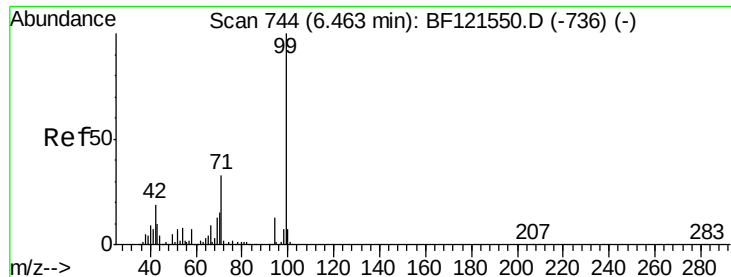
2-Fluorophenol
Concen: 91.586 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion:112 Resp: 814013
Ion Ratio Lower Upper
112 100
64 65.0 50.4 75.6
63 33.5 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: 88.539 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

RO-10

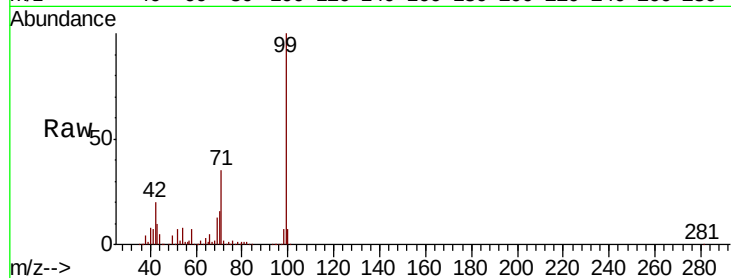
Tot Ion: 99 Resp: 1032406

Ion Ratio Lower Upper

99 100

42 20.0 15.9 23.9

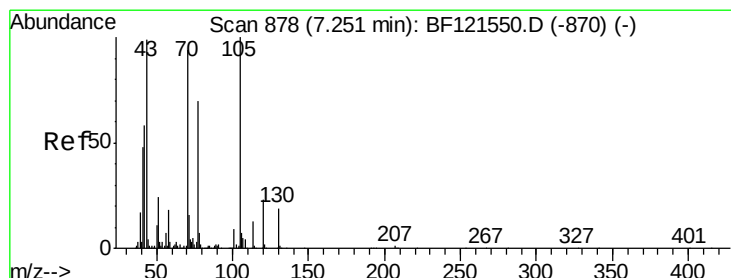
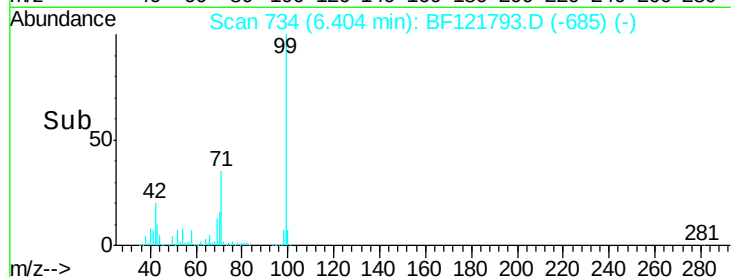
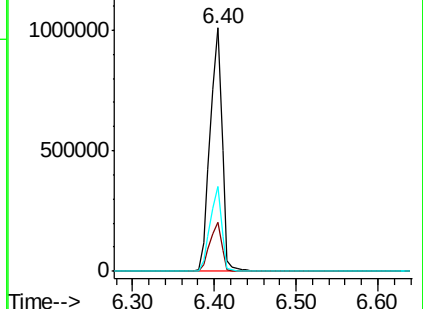
71 34.7 27.1 40.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.425 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

Tgt Ion: 70 Resp: 96940

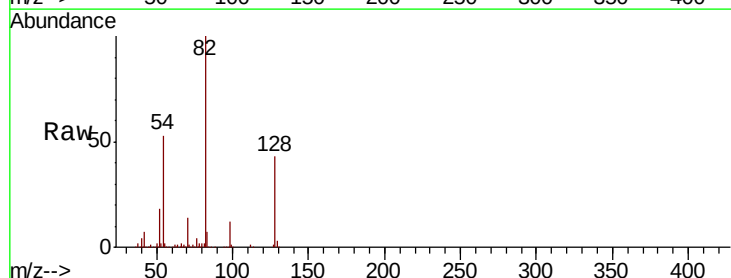
Ion Ratio Lower Upper

70 100

42 50.2 50.2 75.4#

101 0.0 7.5 11.3#

130 2.2 15.5 23.3#

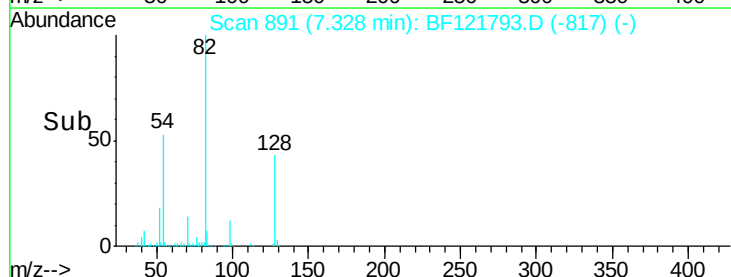
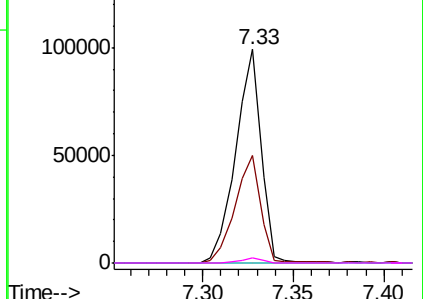


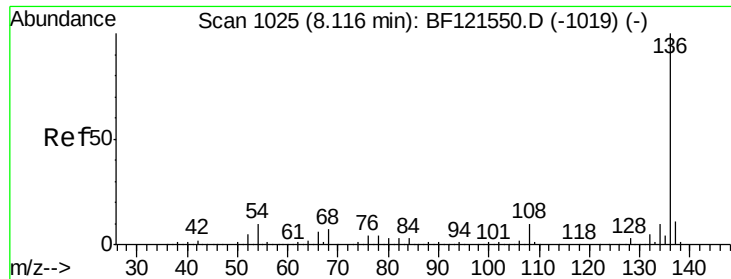
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

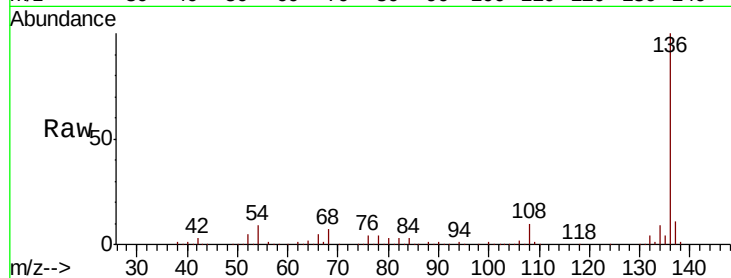




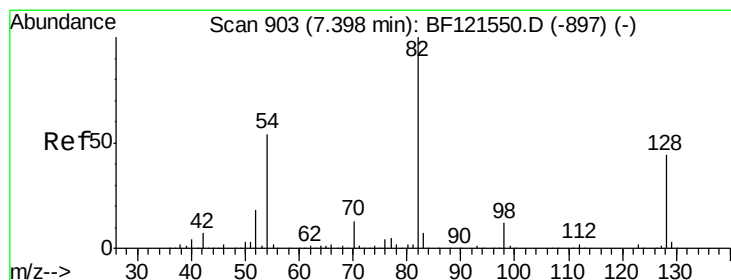
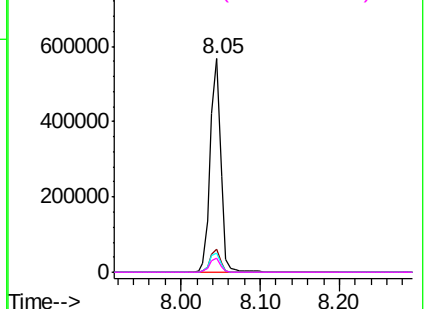
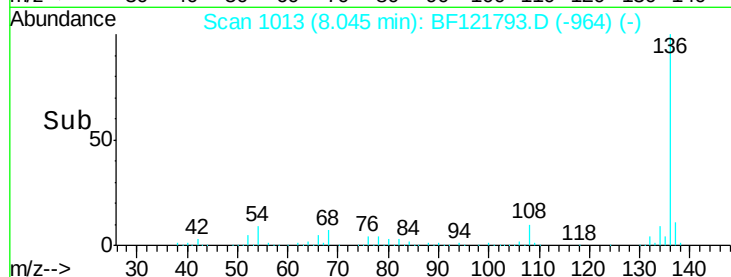
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Instrument :
BNA_F
ClientSampleId :
RO-10

Tot Ion:136 Resp: 523763
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.9 7.1 10.7
68 6.8 5.0 7.4

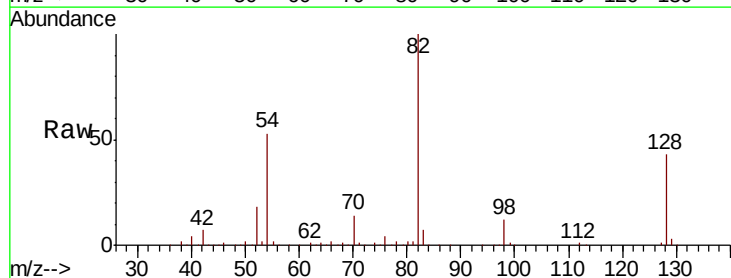


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

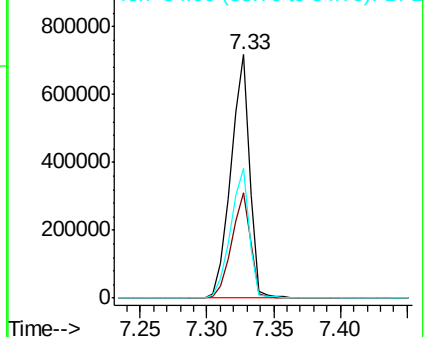
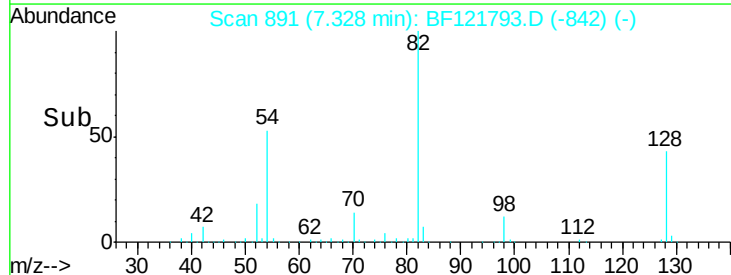


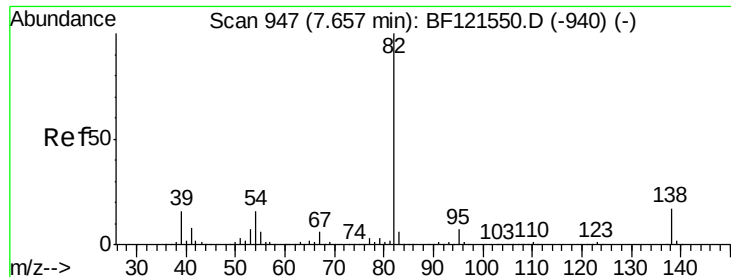
#23
Nitrobenzene-d5
Concen: 73.335 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion: 82 Resp: 715382
Ion Ratio Lower Upper
82 100
128 43.1 35.0 52.4
54 53.2 43.9 65.9



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: 36.207 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

RO-10

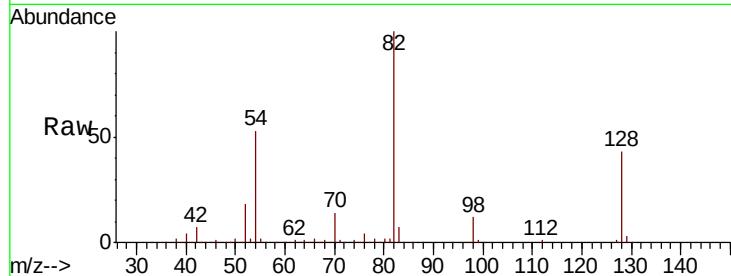
Tot Ion: 82 Resp: 710986

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

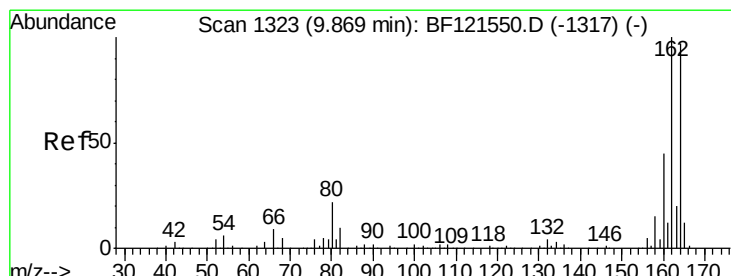
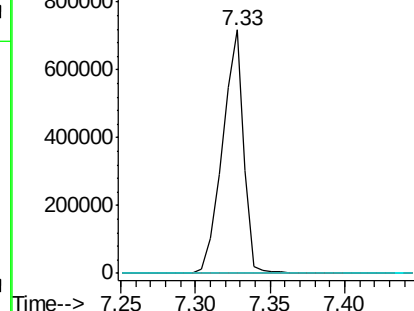
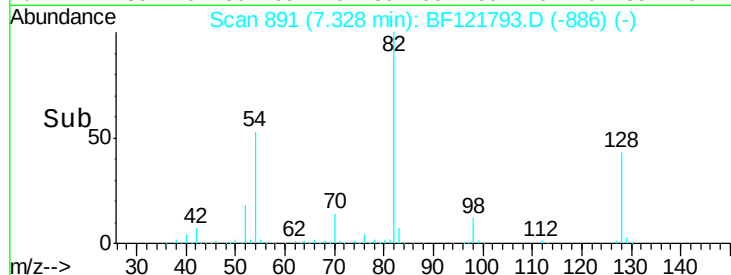
138 0.0 13.4 20.0#



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# 1311

Delta R.T. -0.01 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

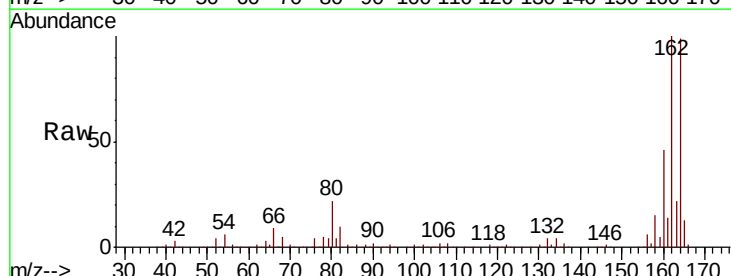
Tgt Ion: 164 Resp: 266843

Ion Ratio Lower Upper

164 100

162 100.9 83.2 124.8

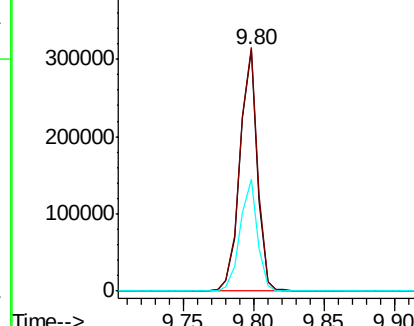
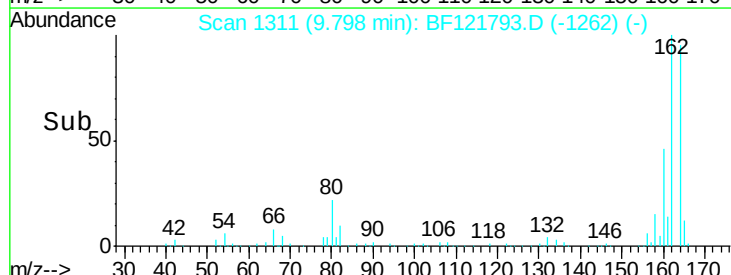
160 46.4 37.5 56.3

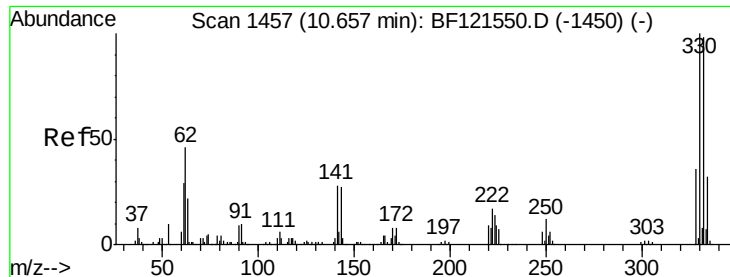


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

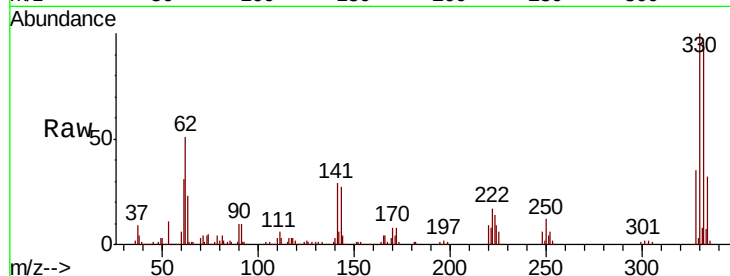




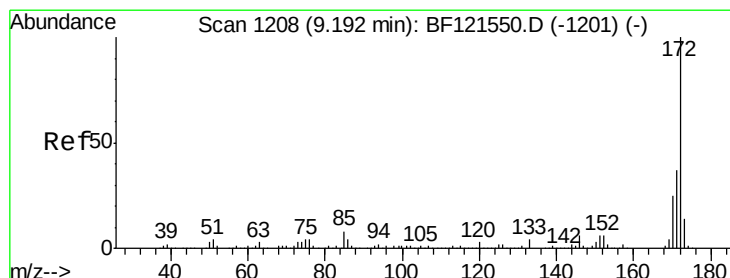
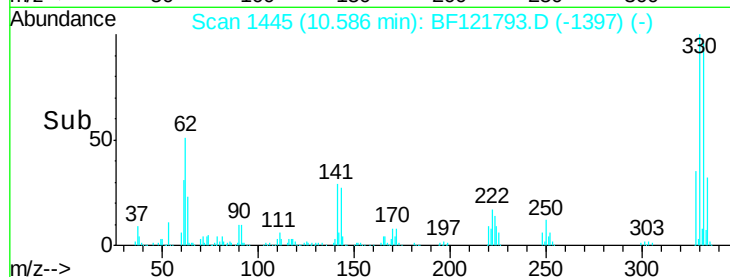
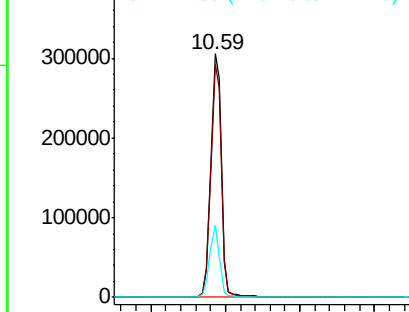
#42
 2,4,6-Tribromophenol
 Concen: 90.321 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

Instrument :
 BNA_F
 ClientSampleId :
 RO-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.3	115.9
141	28.1	22.3	33.5

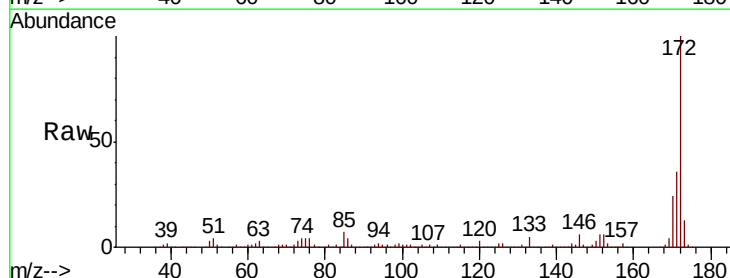


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

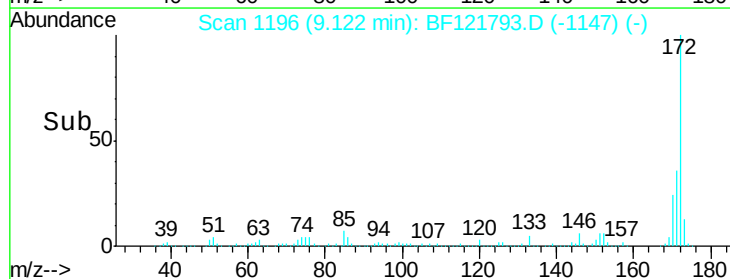
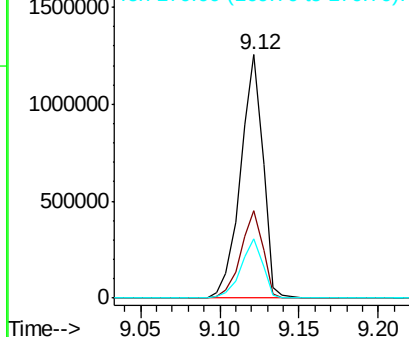


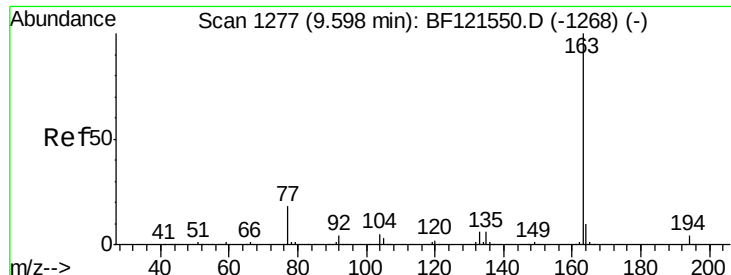
#45
 2-Fluorobiphenyl
 Concen: 69.589 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.1	43.7
170	24.5	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

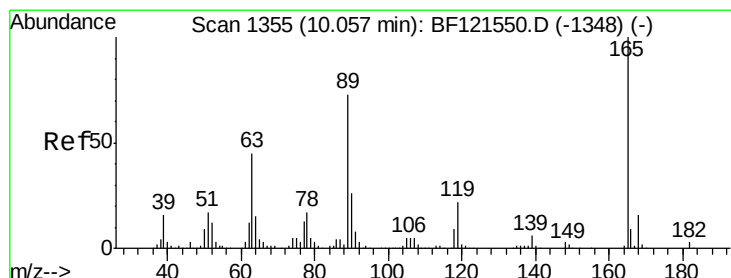
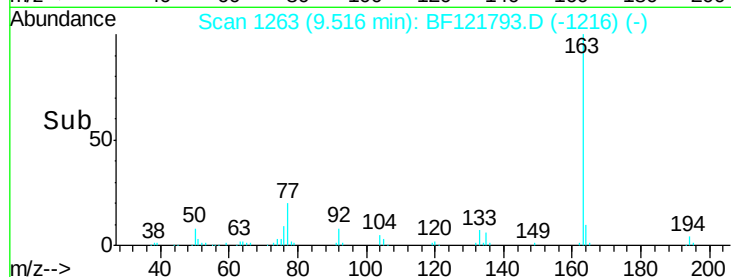
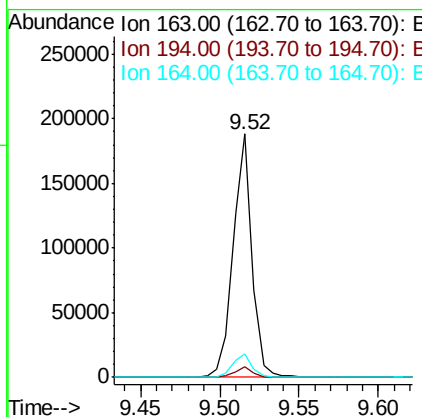
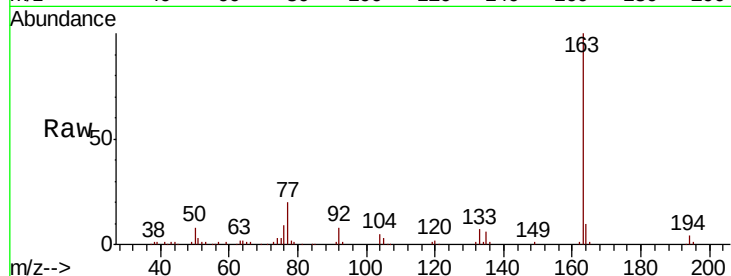




#50
Dimethylphthalate
Concen: 8.003 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

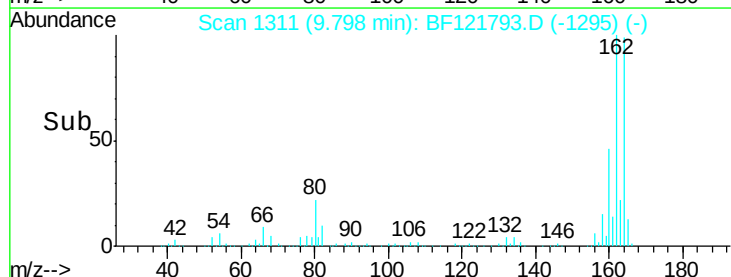
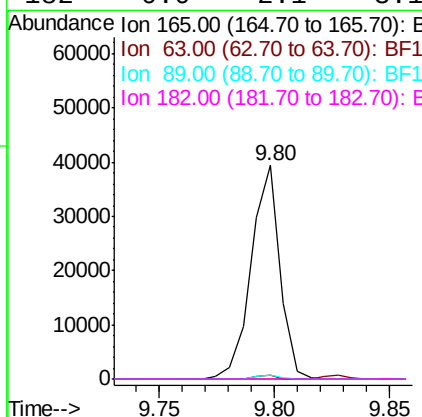
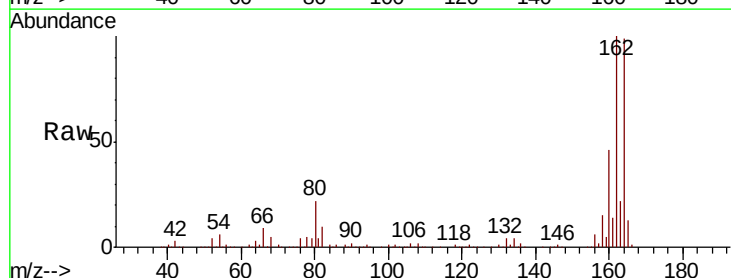
Instrument :
BNA_F
ClientSampleId :
RO-10

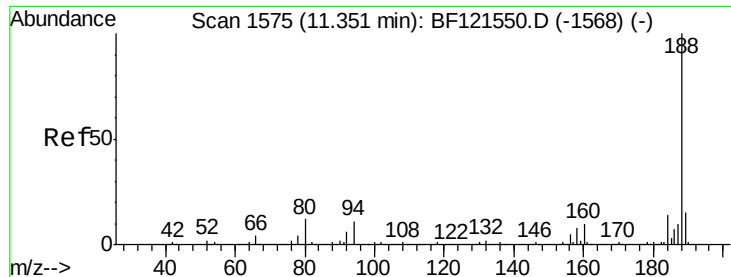
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.8	8.2	12.4



#57
2,4-Dinitrotoluene
Concen: 6.609 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	41.3	61.9#
89	1.5	61.8	92.8#
182	0.0	2.1	3.1#

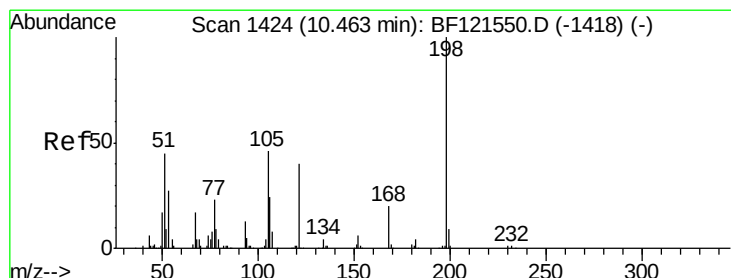
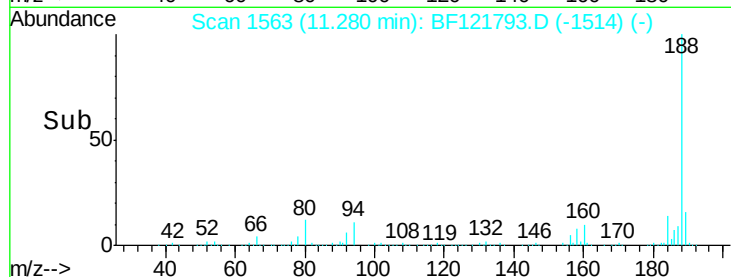
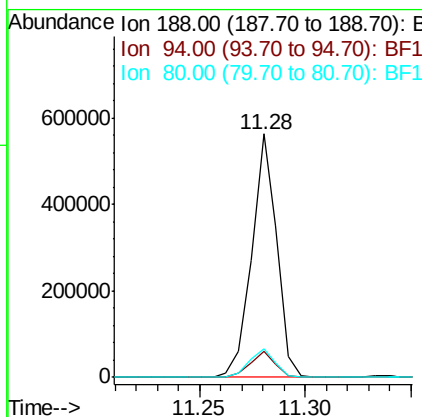
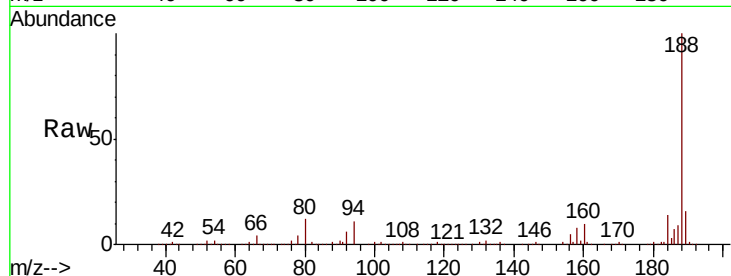




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

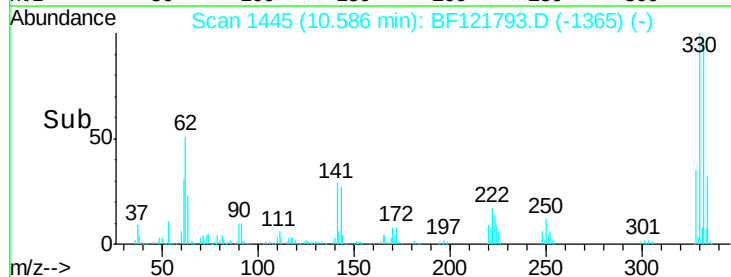
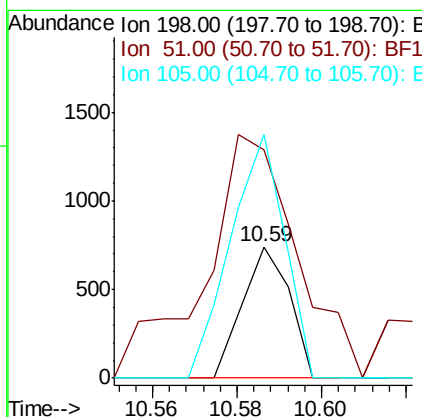
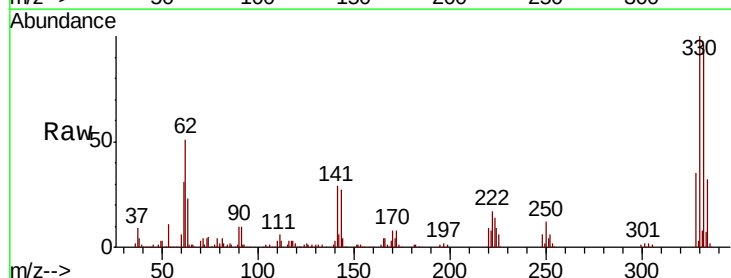
Instrument :
 BNA_F
 ClientSampleId :
 RO-10

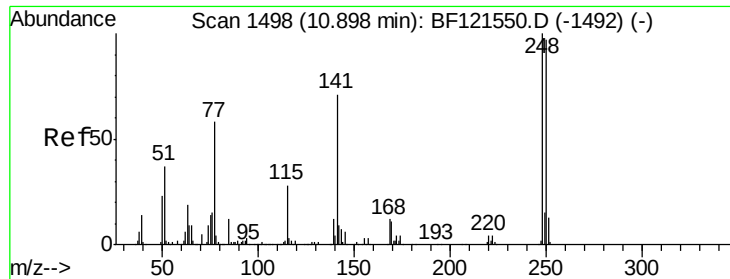
Tot Ion:188 Resp: 463605
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.3 12.5
 80 11.6 9.1 13.7



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.024 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. 0.17 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

Tgt Ion:198 Resp: 571
 Ion Ratio Lower Upper
 198 100
 51 174.4 29.6 69.6#
 105 185.4 24.4 64.4#

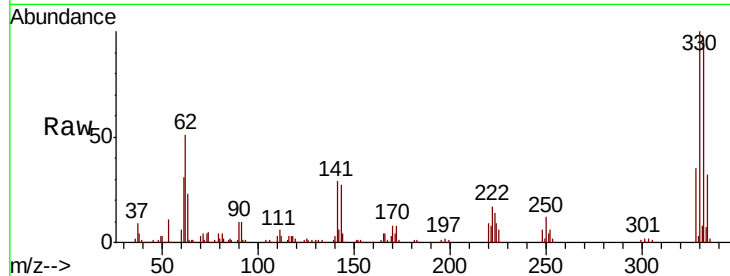




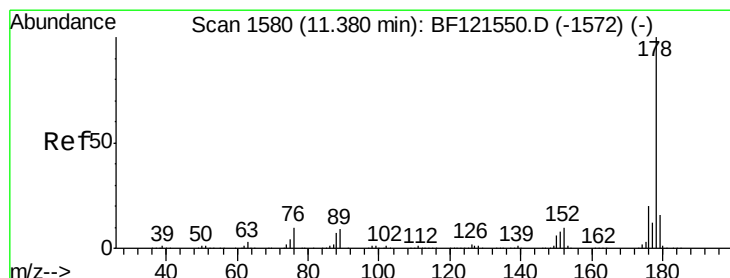
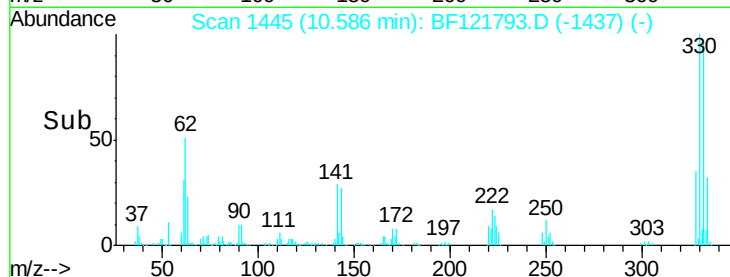
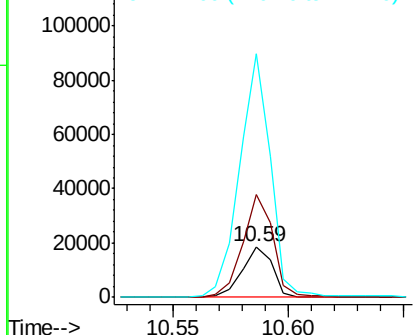
#67
 4-Bromophenyl-phenylether
 Concen: 3.257 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

Instrument :
 BNA_F
 ClientSampleId :
 RO-10

Tot Ion:248 Resp: 17192
 Ion Ratio Lower Upper
 248 100
 250 202.0 77.0 115.6#
 141 478.4 53.7 80.5#

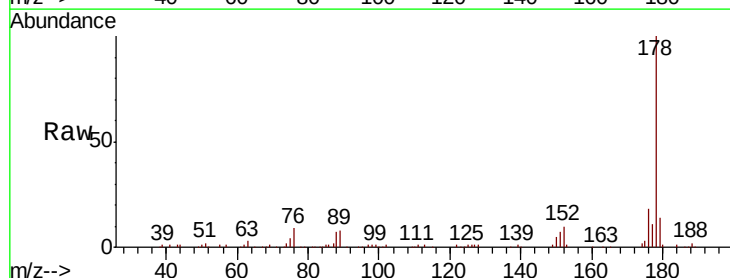


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

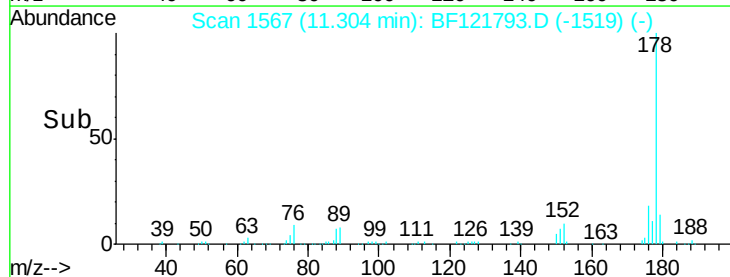
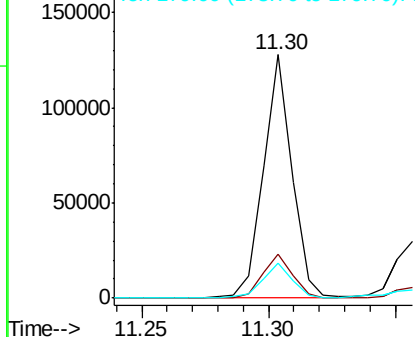


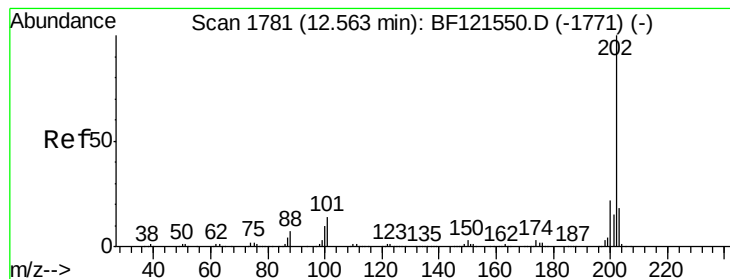
#71
 Phenanthrene
 Concen: 3.979 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

Tgt Ion:178 Resp: 100506
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.9 23.9
 179 14.4 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





#75

Fluoranthene

Concen: 7.318 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

RO-10

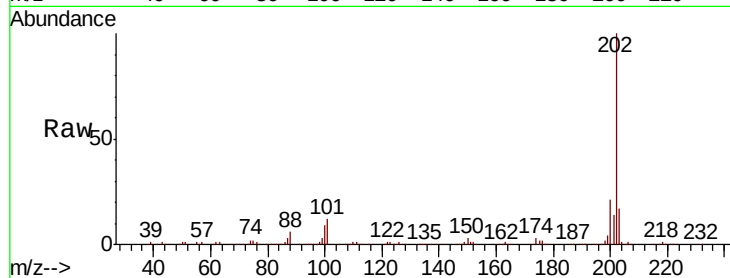
Tot Ion:202 Resp: 197333

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.4

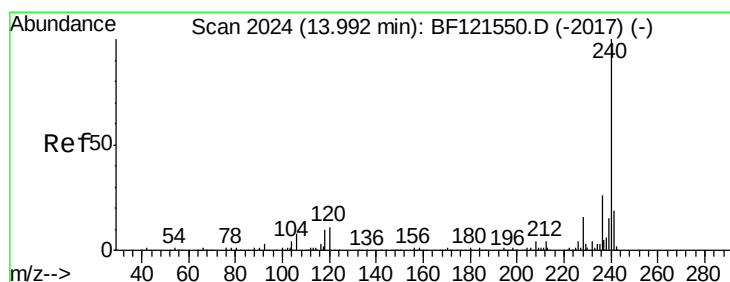
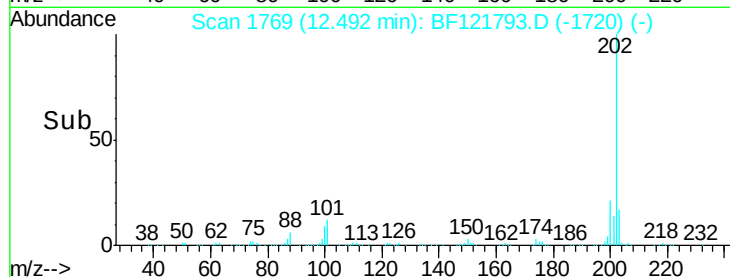
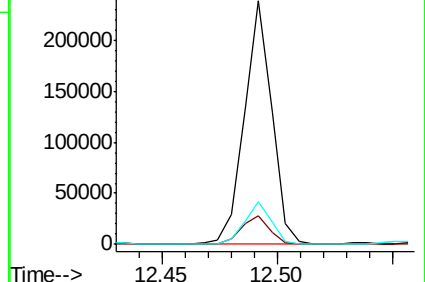
203 17.4 0.0 37.9



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: 13.92 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

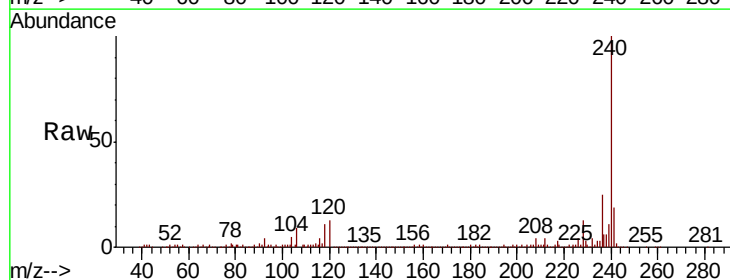
Tgt Ion:240 Resp: 298331

Ion Ratio Lower Upper

240 100

120 12.9 9.2 13.8

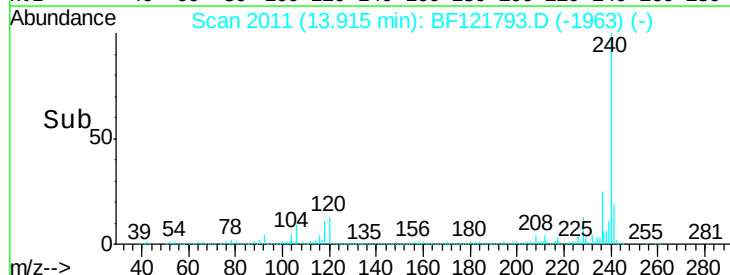
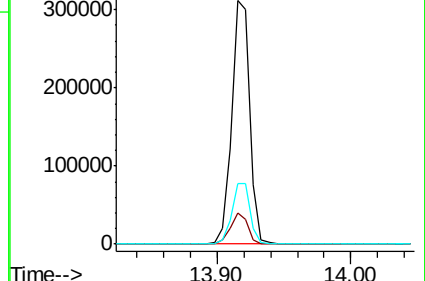
236 25.0 20.9 31.3

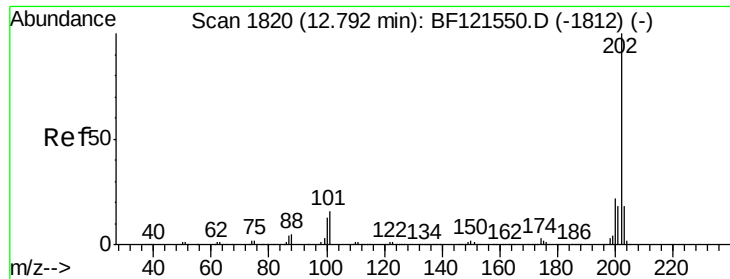


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

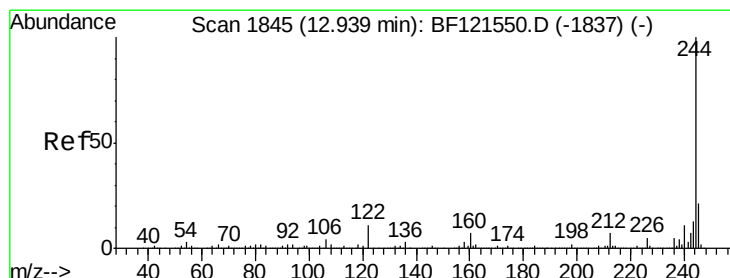
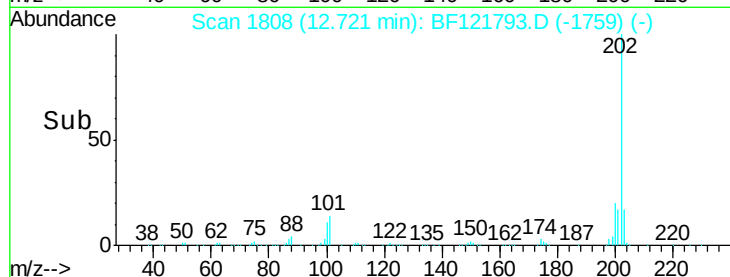
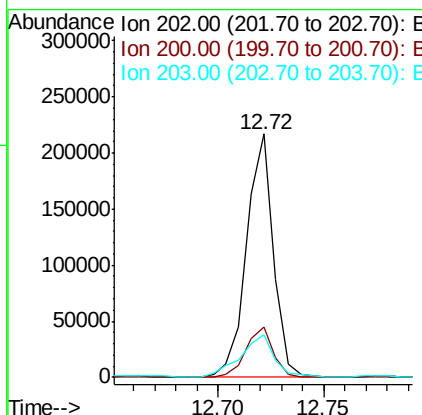
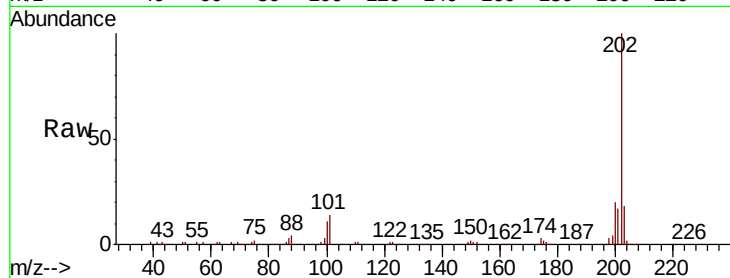




#78
Pvrene
Concen: 8.835 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

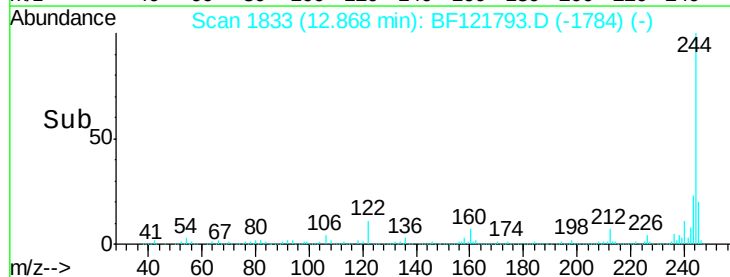
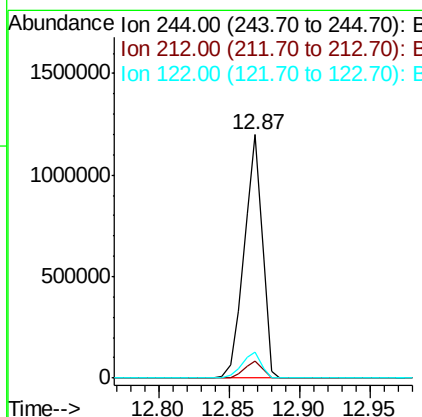
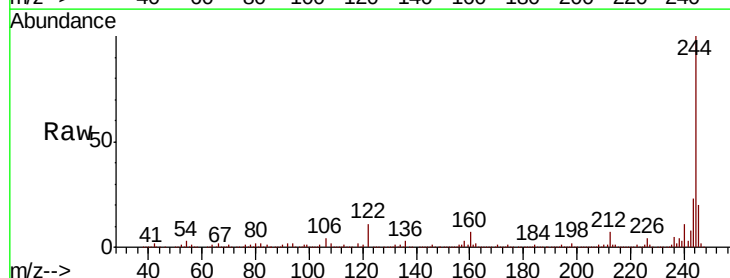
Instrument :
BNA_F
ClientSampleId :
RO-10

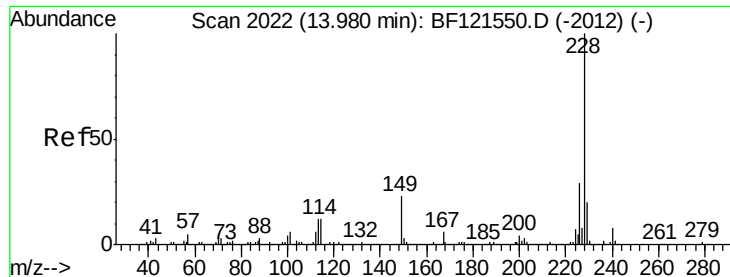
Tot Ion:202 Resp: 192580
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.8 14.6 21.8



#79
Terphenyl-d14
Concen: 72.953 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion:244 Resp: 1074298
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 10.9 8.1 12.1





#81

Benzo(a)anthracene

Concen: 5.123 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

RO-10

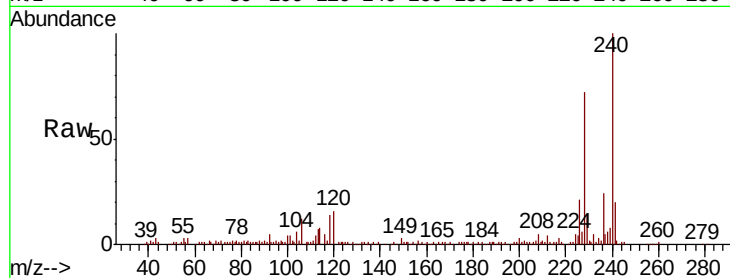
Tot Ion:228 Resp: 96691

Ion Ratio Lower Upper

228 100

226 29.4 22.3 33.5

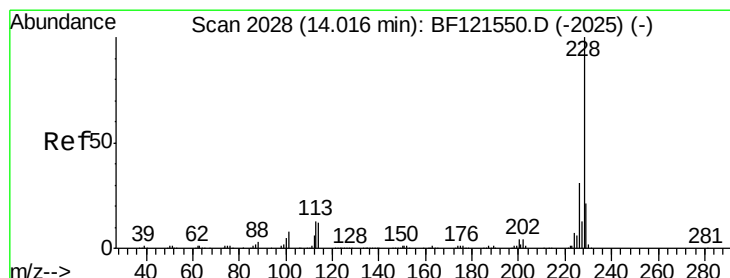
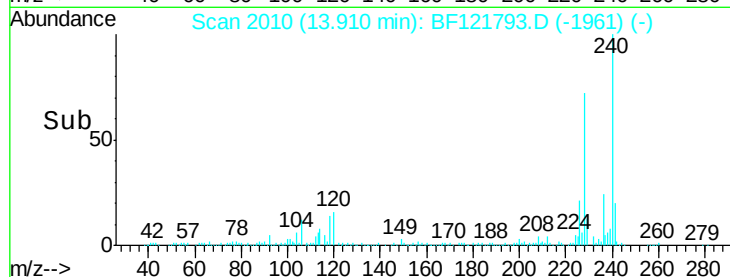
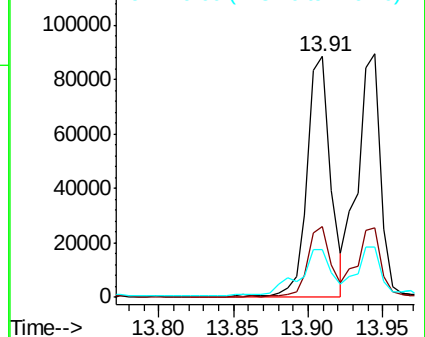
229 19.9 16.2 24.4



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: 5.071 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

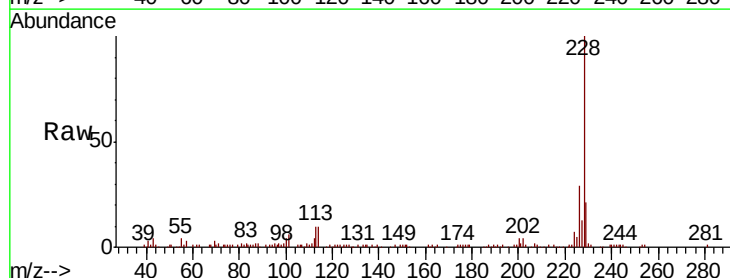
Tgt Ion:228 Resp: 96924

Ion Ratio Lower Upper

228 100

226 28.8 24.6 37.0

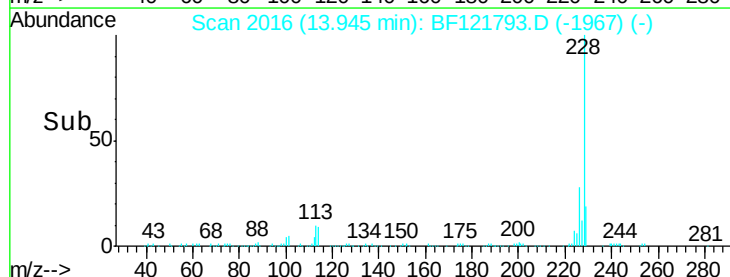
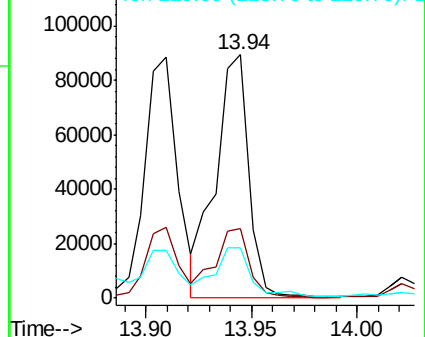
229 20.6 15.9 23.9

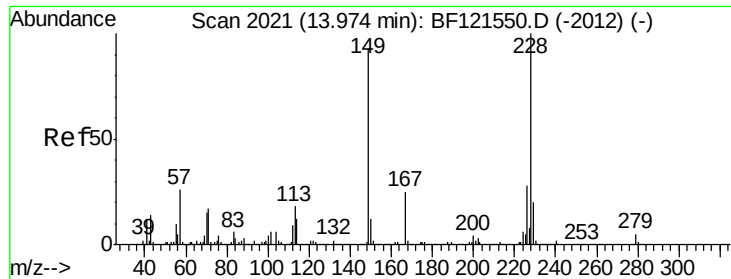


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.039 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

RO-10

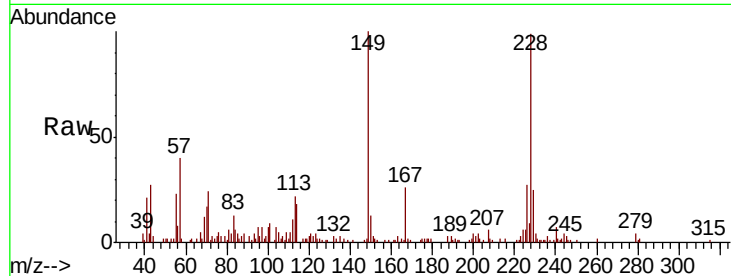
Tot Ion:149 Resp: 24013

Ion Ratio Lower Upper

149 100

167 26.3 20.9 31.3

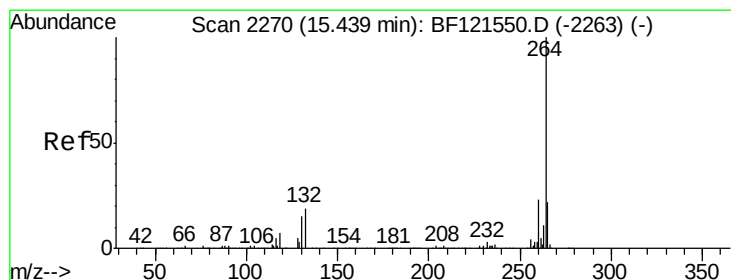
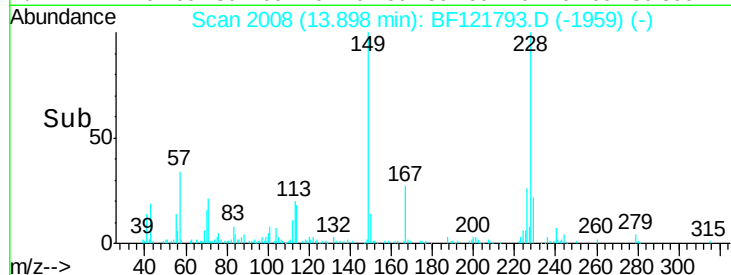
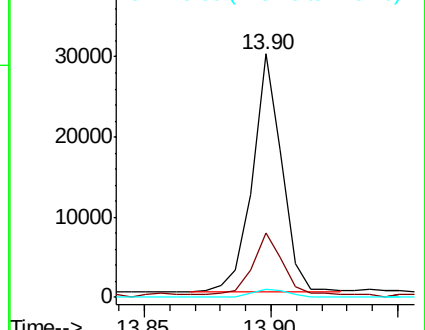
279 3.5 3.2 4.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

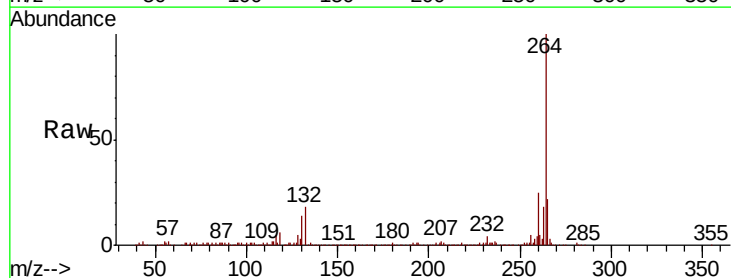
Tgt Ion:264 Resp: 275074

Ion Ratio Lower Upper

264 100

260 24.9 18.7 28.1

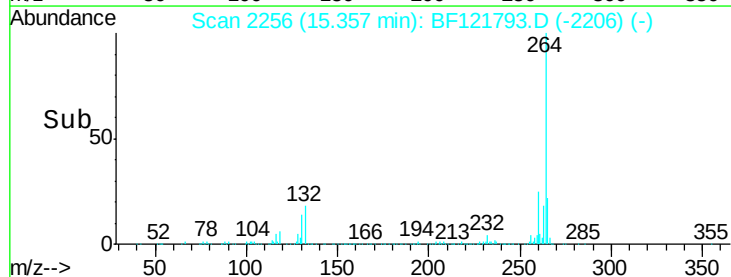
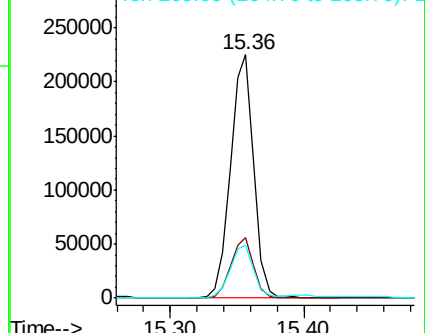
265 21.9 17.3 25.9

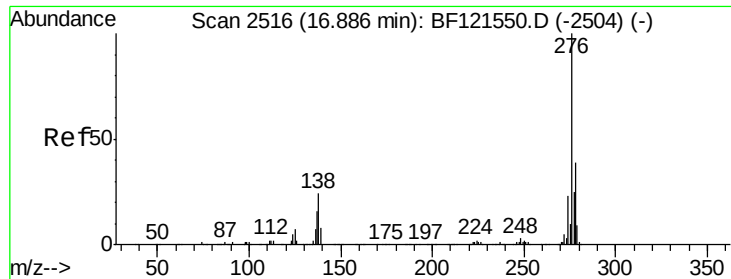


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

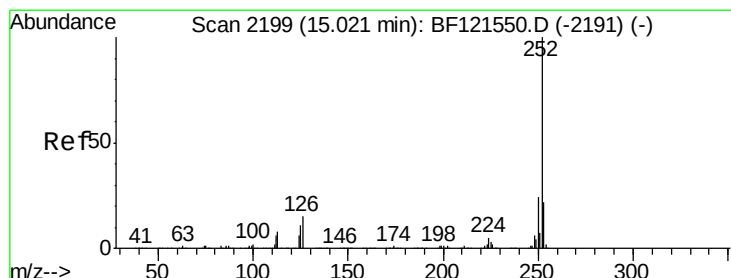
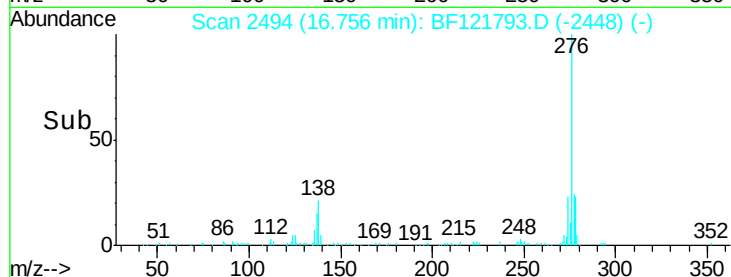
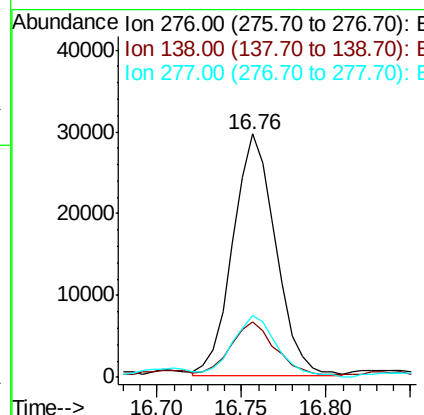
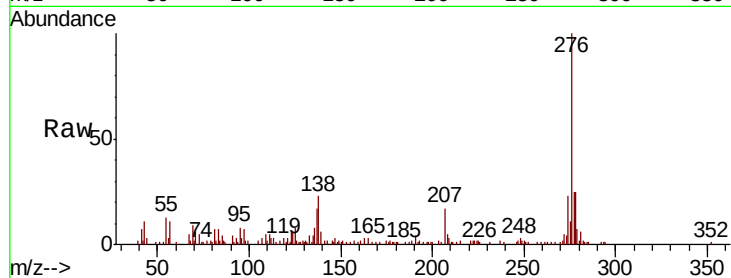




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.904 ng
 RT: 16.76 min Scan# 2494
 Delta R.T. -0.03 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

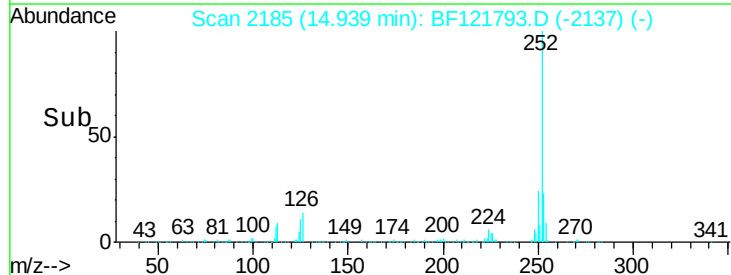
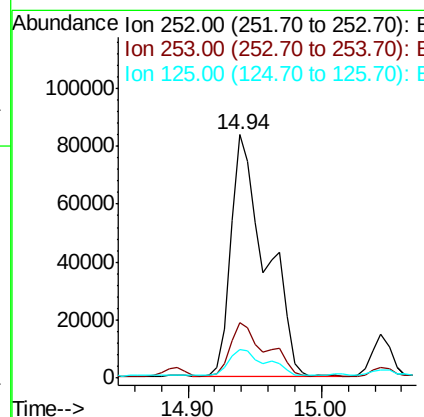
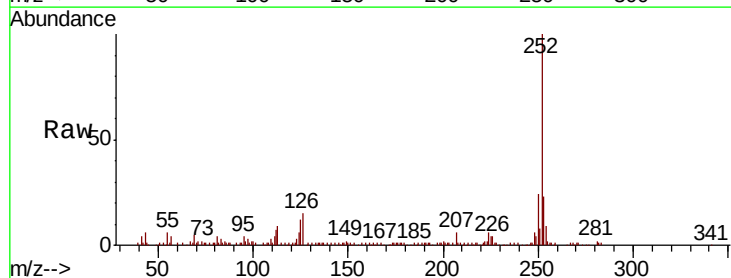
Instrument :
 BNA_F
 ClientSampleId :
 RO-10

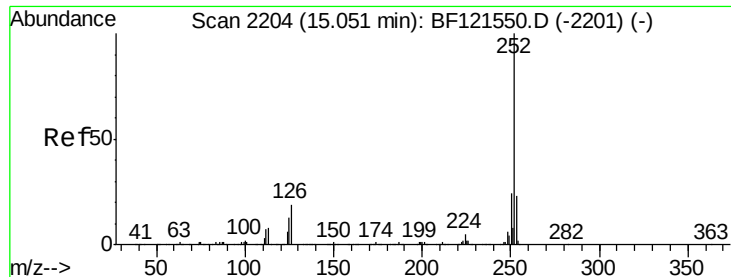
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.9	29.9
277	26.8	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 8.315 ng
 RT: 14.94 min Scan# 2185
 Delta R.T. -0.02 min
 Lab File: BF121793.D
 Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.7	8.0	12.0

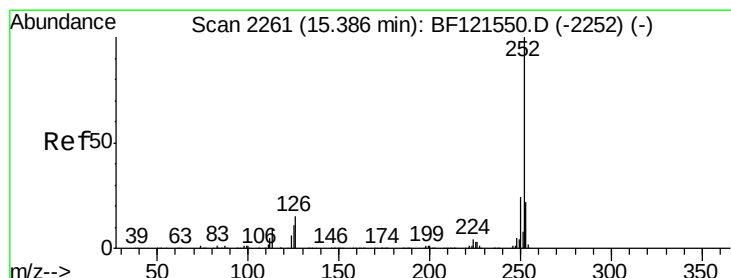
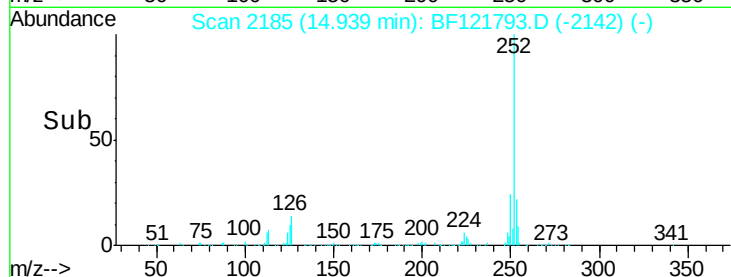
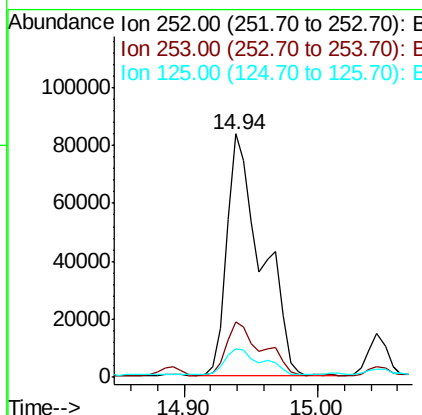
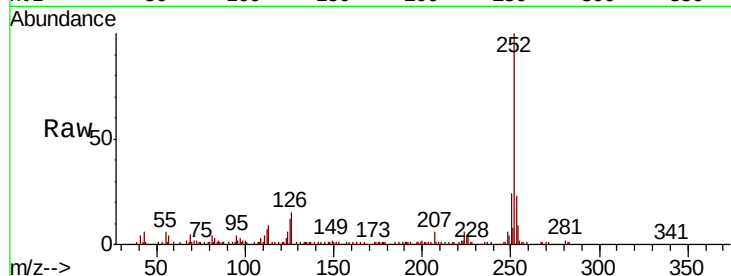




#89
Benzo(k)fluoranthene
Concen: 9.080 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.05 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

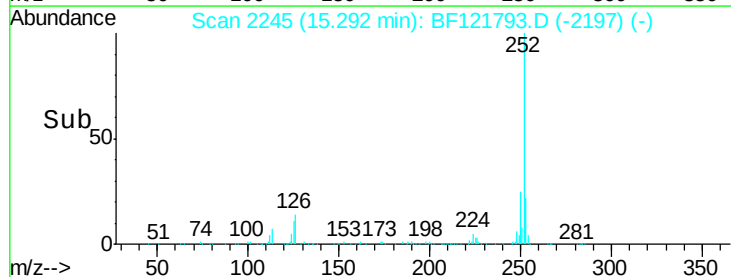
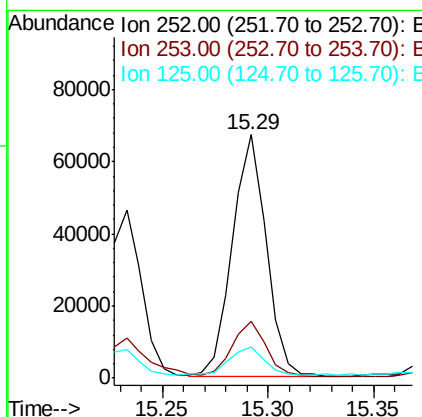
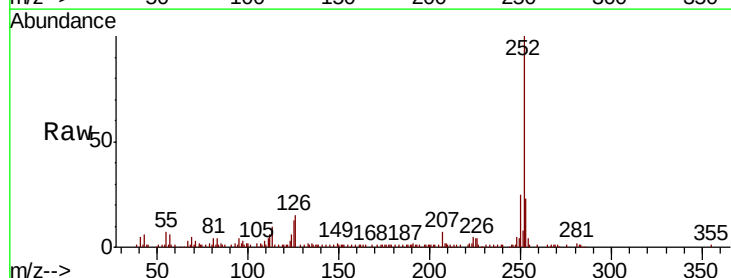
Instrument :
BNA_F
ClientSampleId :
RO-10

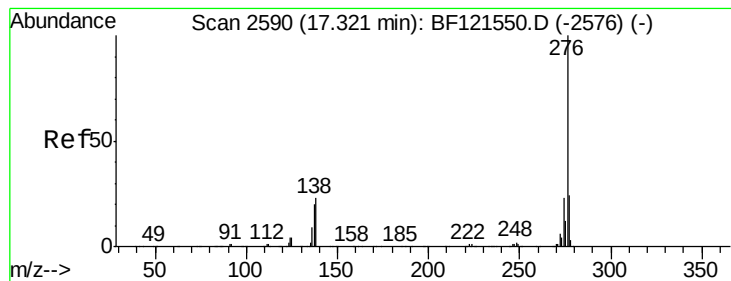
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.7	7.7	11.5



#90
Benzo(a)pyrene
Concen: 4.766 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BF121793.D
Acq: 2 Oct 2020 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	13.0	8.6	13.0





#92

Benzo(a,h,i)perylene

Concen: 3.430 ng

RT: 17.18 min Scan# 2566

Delta R.T. -0.03 min

Lab File: BF121793.D

Acq: 2 Oct 2020 14:38

Instrument :

BNA_F

ClientSampleId :

RO-10

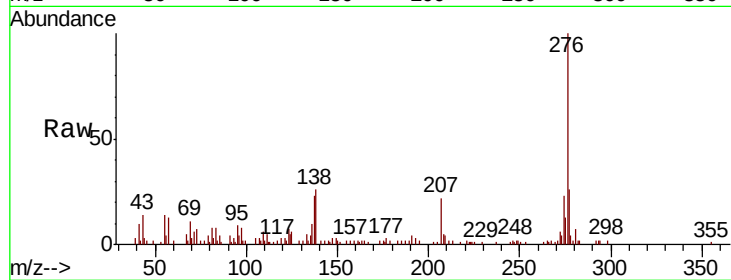
Tot Ion: 276 Resp: 50284

Ion Ratio Lower Upper

276 100

277 25.7 19.4 29.2

138 25.5 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

