

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091420\
 Data File : BF121562.D
 Acq On : 14 Sep 2020 16:01
 Operator : JU/CG
 Sample : L3981-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B18-4-6

Quant Time: Sep 14 16:51:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	188463	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	719002	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	374035	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	692614	20.00	ng	0.00
76) Chrysene-d12	13.99	240	492666	20.00	ng	0.00
86) Perylene-d12	15.44	264	460052	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	815051	64.27	ng	0.01
7) Phenol-d6	6.47	99	1066186	64.08	ng	0.01
23) Nitrobenzene-d5	7.39	82	668242	49.90	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	310193	66.73	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1216623	49.26	ng	0.00
79) Terphenyl-d14	12.94	244	1198290	49.28	ng	0.00

Target Compounds

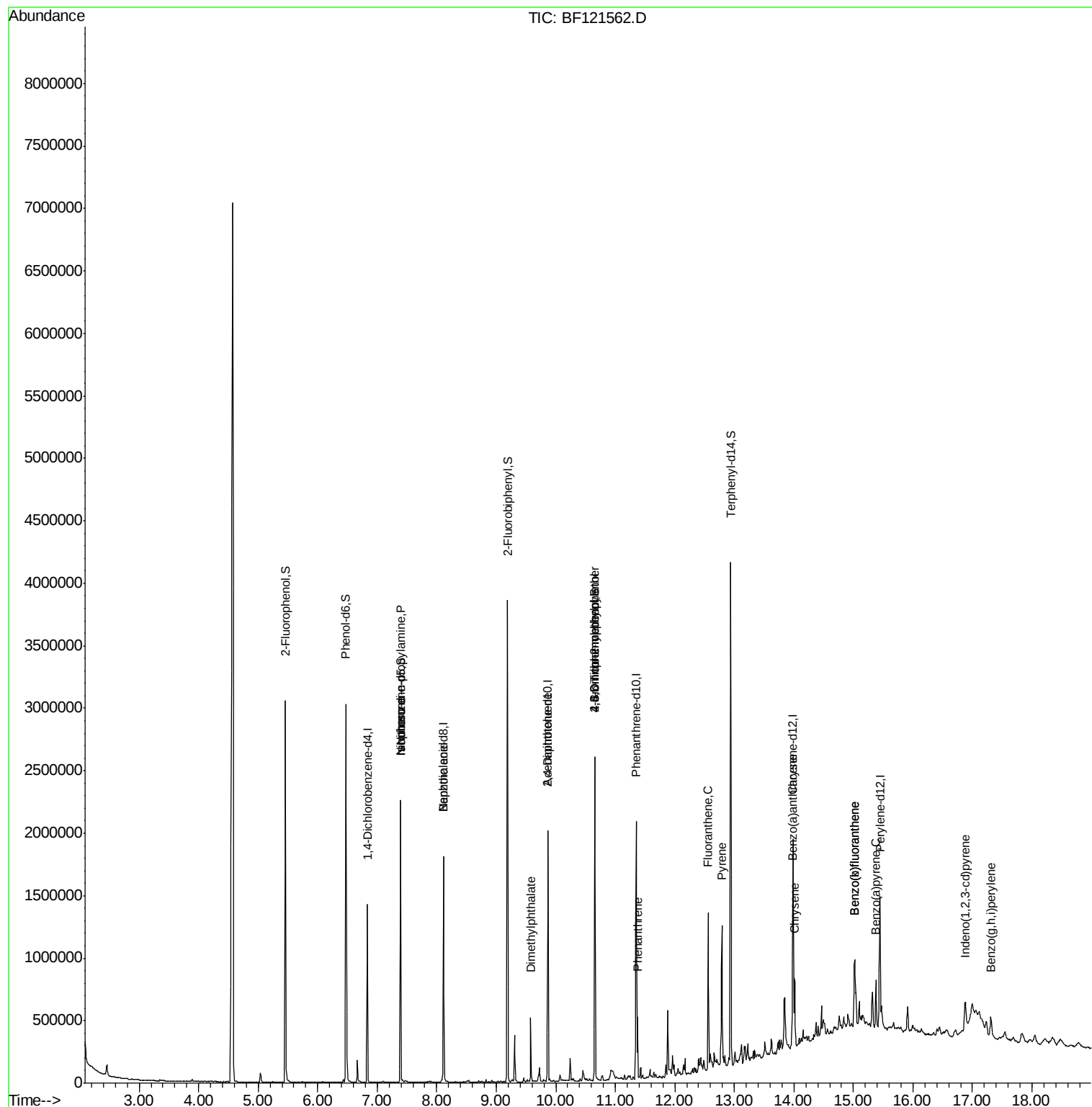
						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	90012	9.387	ng	# 78
25) Isophorone	7.39	82	663472	24.612	ng	# 66
32) Benzoic acid	8.12	122	106	6.946	ng	# 1
50) Dimethylphthalate	9.58	163	171163	6.314	ng	99
57) 2,4-Dinitrotoluene	9.87	165	49361	6.796	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.66	198	689	6.991	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	18535	2.350	ng	# 1
71) Phenanthrene	11.37	178	155993	4.134	ng	98
75) Fluoranthene	12.56	202	443278	11.004	ng	98
78) Pyrene	12.79	202	408123	11.338	ng	98
81) Benzo(a)anthracene	13.97	228	203823	6.539	ng	96
83) Chrysene	14.02	228	231821	7.345	ng	98
87) Indeno(1,2,3-cd)pyrene	16.87	276	146649	4.895	ng	96
88) Benzo(b)fluoranthene	15.02	252	386593	12.570	ng	98
89) Benzo(k)fluoranthene	15.02	252	386593	13.727	ng	99
90) Benzo(a)pyrene	15.38	252	174409	6.671	ng	96
92) Benzo(g,h,i)perylene	17.31	276	133609	5.450	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: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

ClientSampleId :

B18-4-6

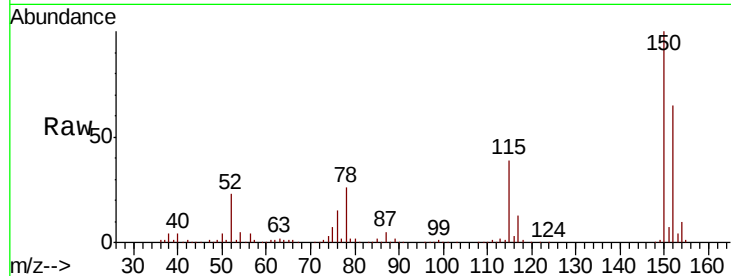
Tot Ion:152 Resp: 188463

Ion Ratio Lower Upper

152 100

150 154.2 125.8 188.6

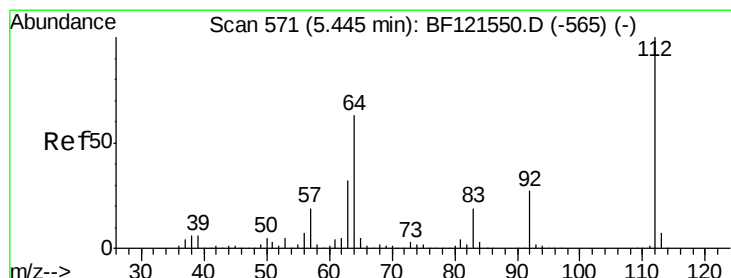
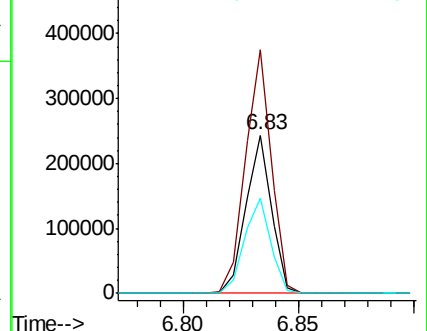
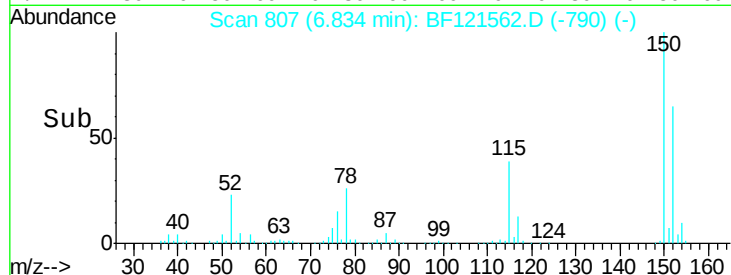
115 60.6 47.8 71.8



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: 64.271 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.01 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

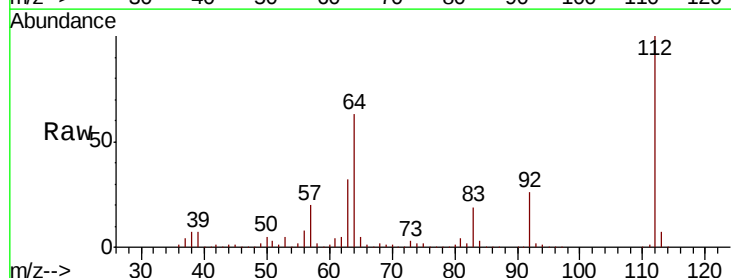
Tgt Ion:112 Resp: 815051

Ion Ratio Lower Upper

112 100

64 63.3 50.3 75.5

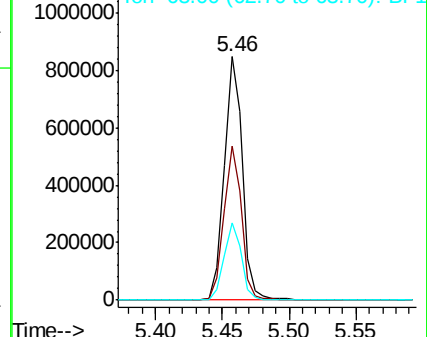
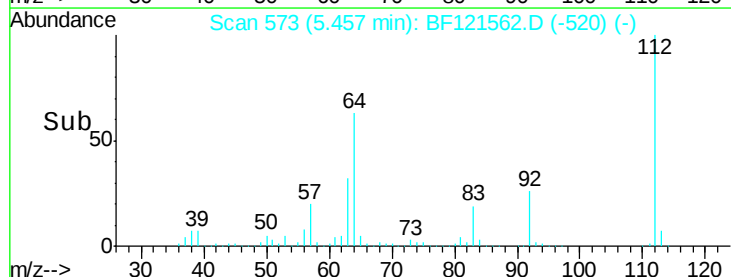
63 31.8 25.6 38.4



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: 64.084 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

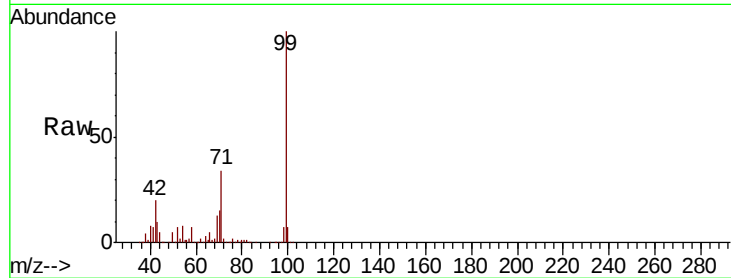
BNA_F

ClientSampleId :

B18-4-6

Tot Ion: 99 Resp: 1066186

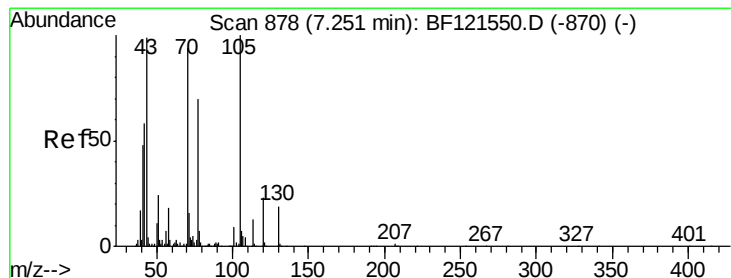
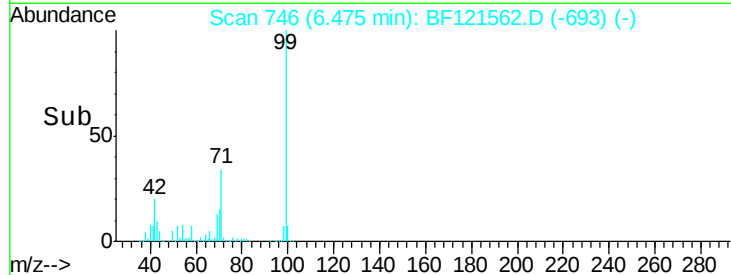
Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.5	23.3
71	33.5	26.1	39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 9.387 ng

RT: 7.39 min Scan# 902

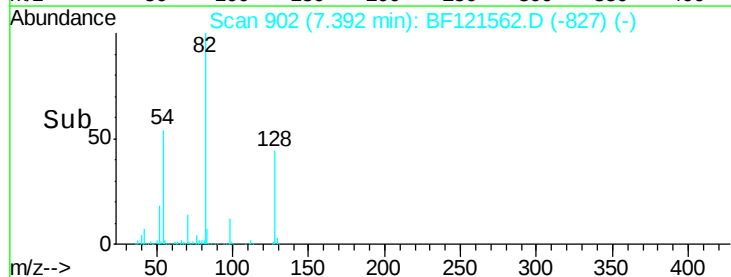
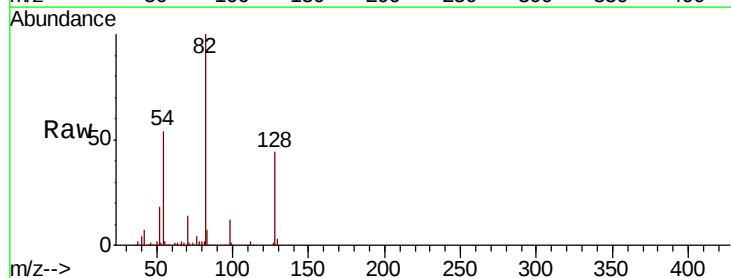
Delta R.T. 0.14 min

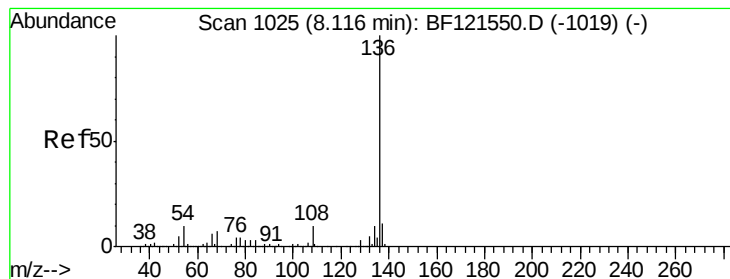
Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Tgt Ion: 70 Resp: 90012

Ion	Ratio	Lower	Upper
70	100		
42	49.9	49.4	74.2
101	0.0	7.6	11.4#
130	1.9	16.2	24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

ClientSampleId :

B18-4-6

Tot Ion:136 Resp: 719002

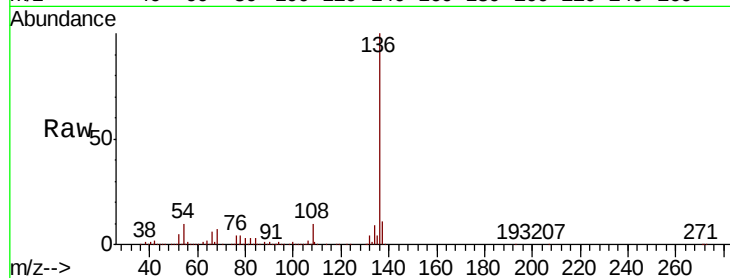
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 9.5 7.6 11.4

68 6.7 5.7 8.5

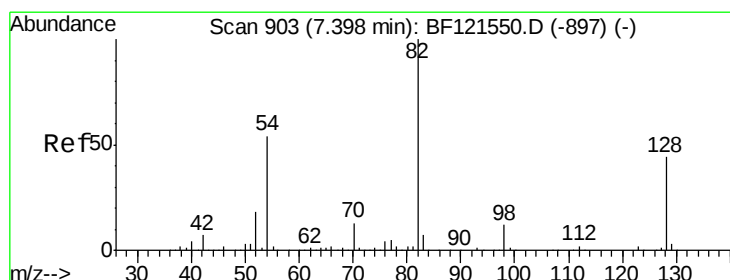
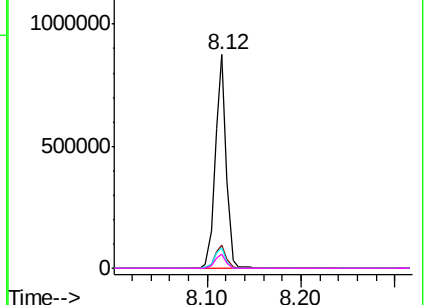
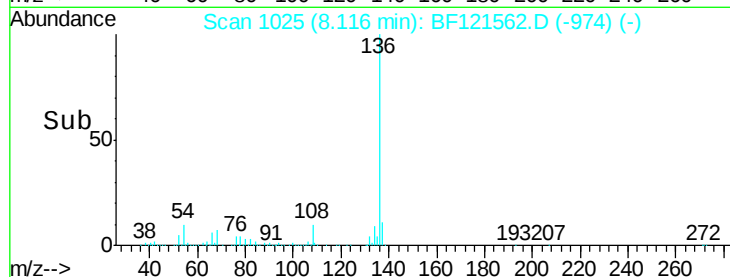


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 49.901 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

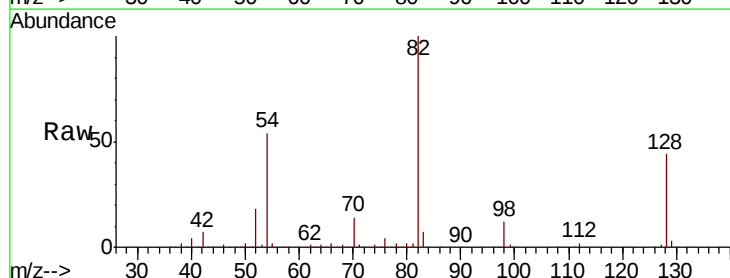
Tgt Ion: 82 Resp: 668242

Ion Ratio Lower Upper

82 100

128 43.9 35.1 52.7

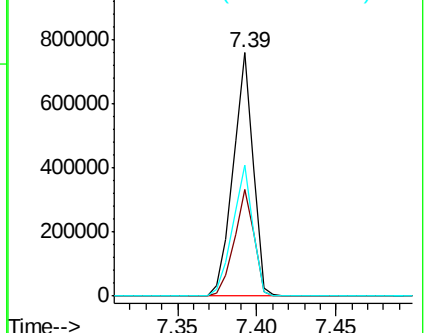
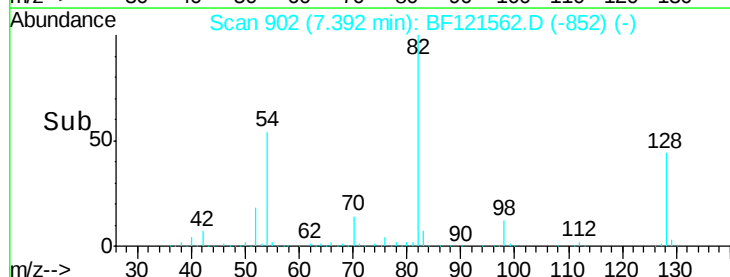
54 53.8 43.0 64.6



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: 24.612 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

ClientSampleId :

B18-4-6

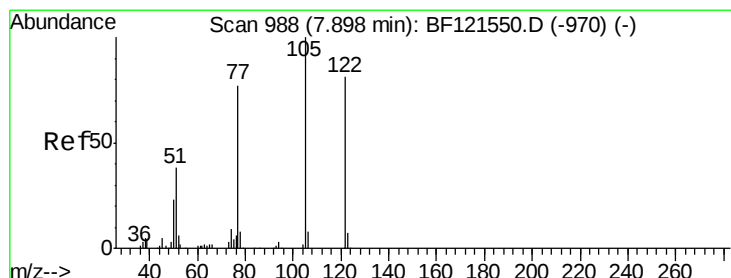
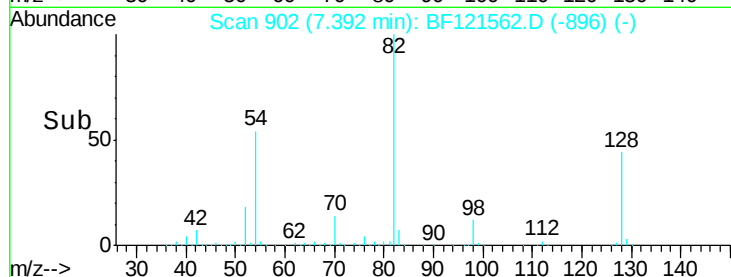
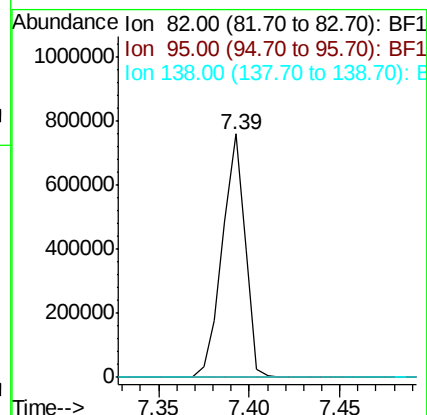
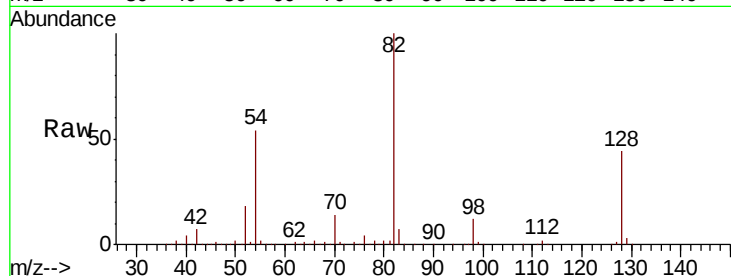
Tot Ion: 82 Resp: 663472

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.7 20.5#



#32

Benzoic acid

Concen: 6.946 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.22 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

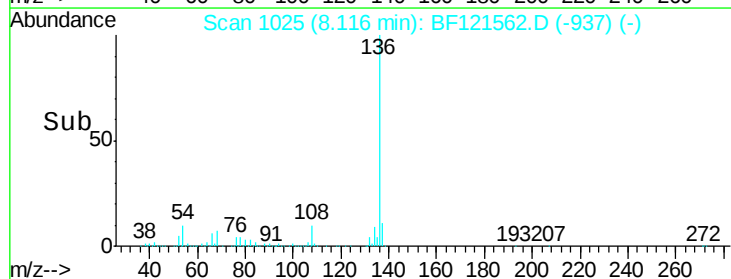
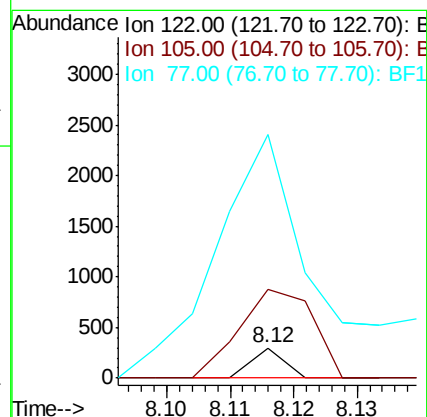
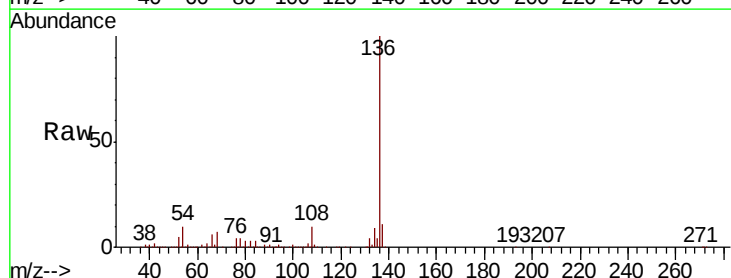
Tgt Ion: 122 Resp: 106

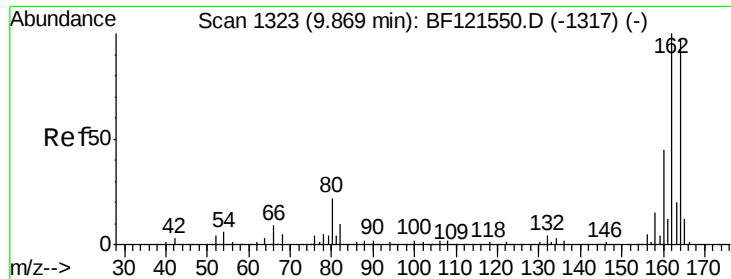
Ion Ratio Lower Upper

122 100

105 293.7 100.5 140.5#

77 801.3 72.6 112.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

ClientSampleId :

B18-4-6

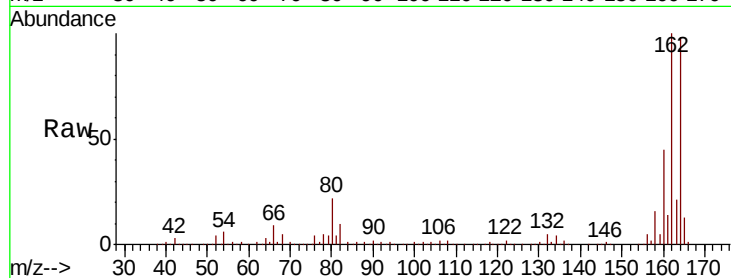
Tot Ion:164 Resp: 374035

Ion Ratio Lower Upper

164 100

162 102.2 82.3 123.5

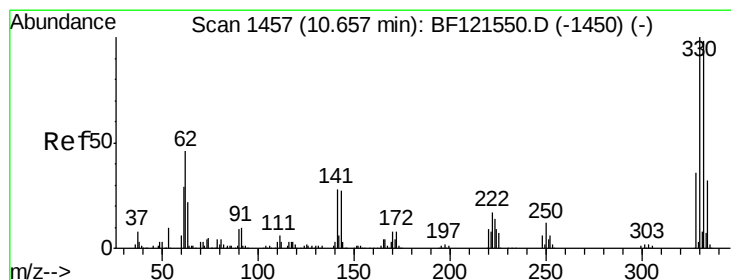
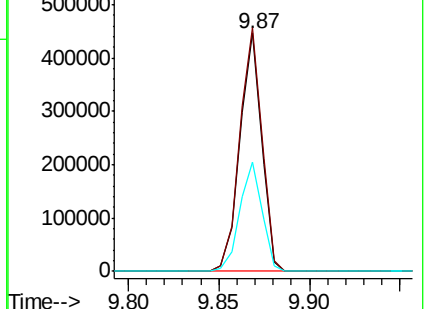
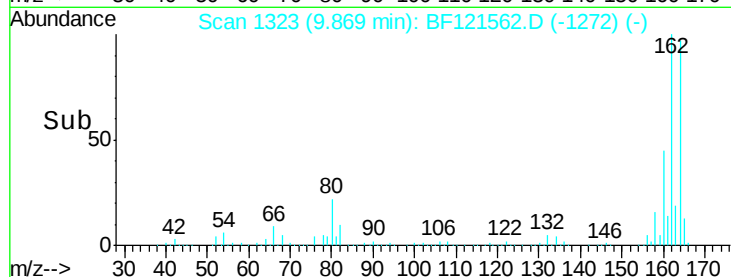
160 45.8 37.0 55.4



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: 66.726 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

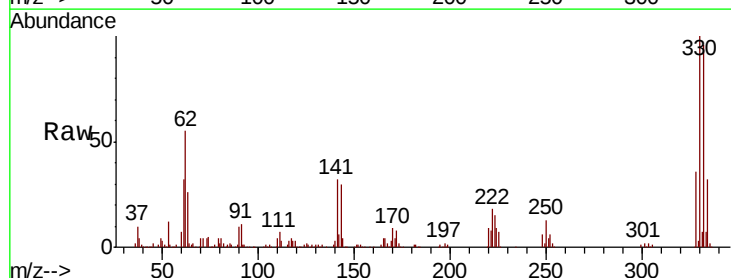
Tgt Ion:330 Resp: 310193

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

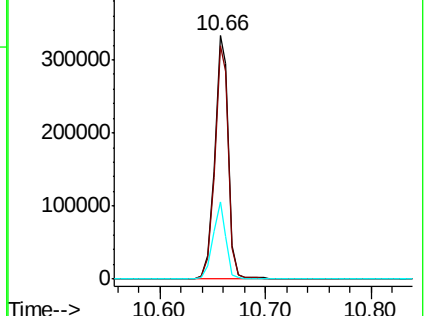
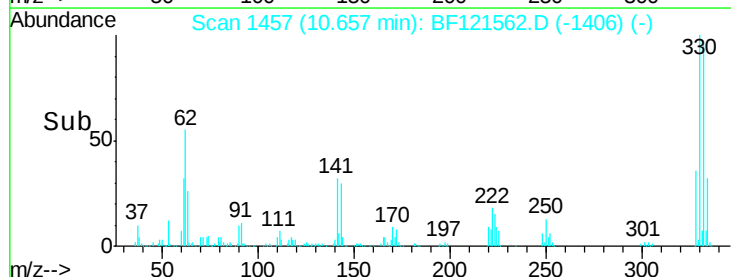
141 30.3 23.6 35.4

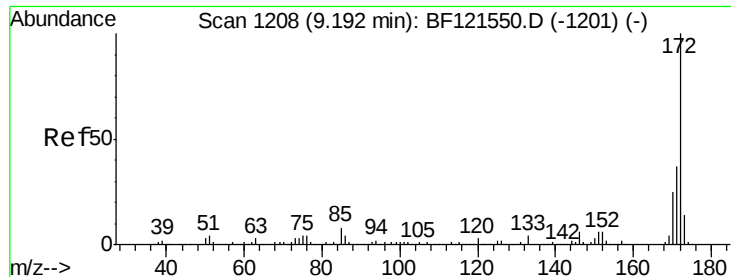


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

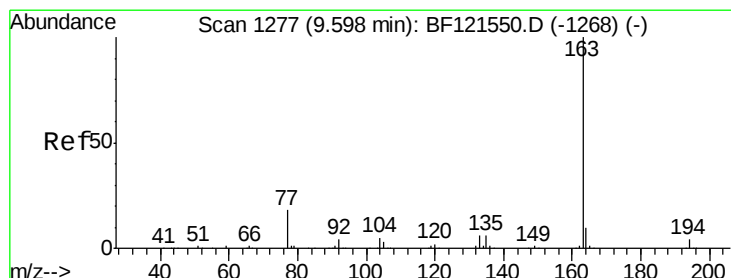
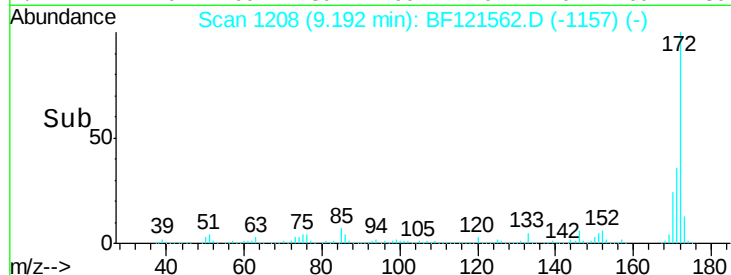
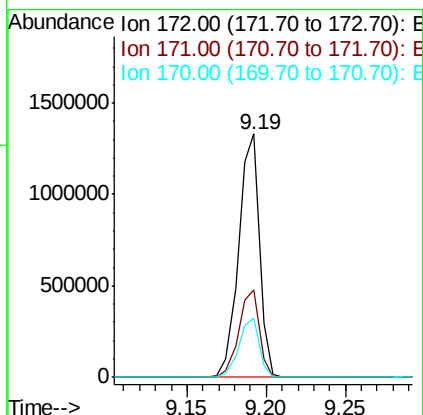
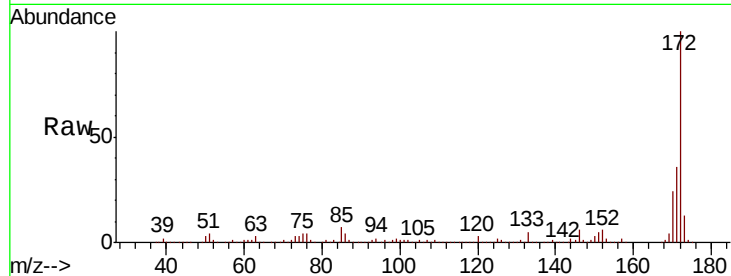




#45
2-Fluorobiphenyl
Concen: 49.263 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

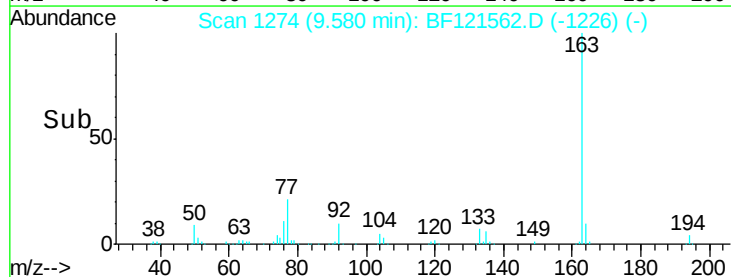
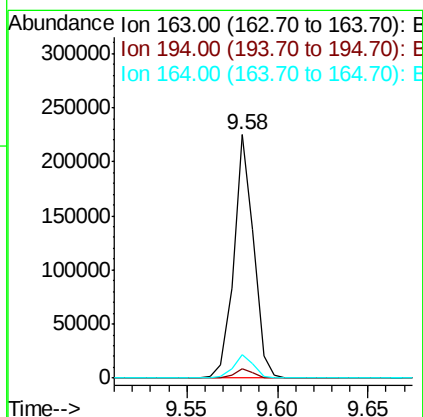
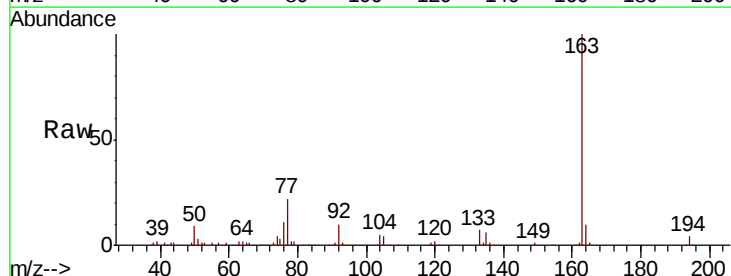
Instrument :
BNA_F
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B18-4-6

Tot Ion:172 Resp: 1216623
Ion Ratio Lower Upper
172 100
171 35.8 29.8 44.6
170 24.3 19.8 29.8



#50
Dimethylphthalate
Concen: 6.314 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Tgt Ion:163 Resp: 171163
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.0
164 9.7 7.9 11.9

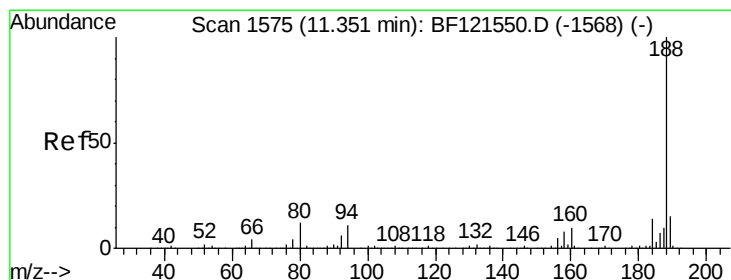
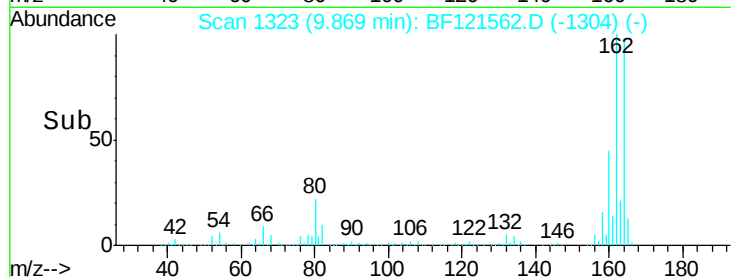
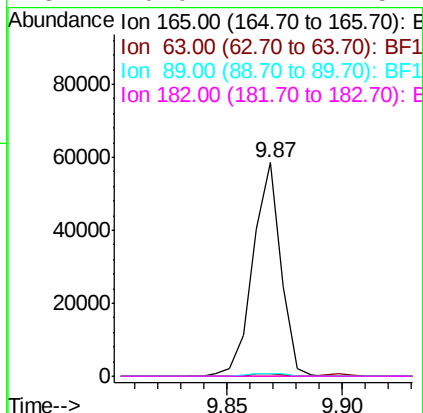
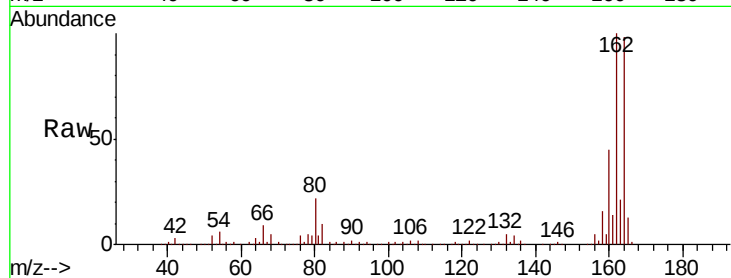




#57
 2,4-Dinitrotoluene
 Concen: 6.796 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF121562.D
 Acq: 14 Sep 2020 16:01

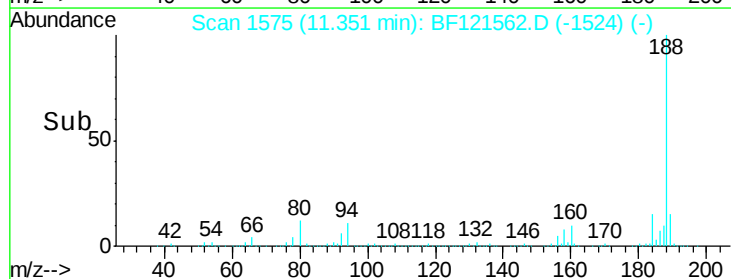
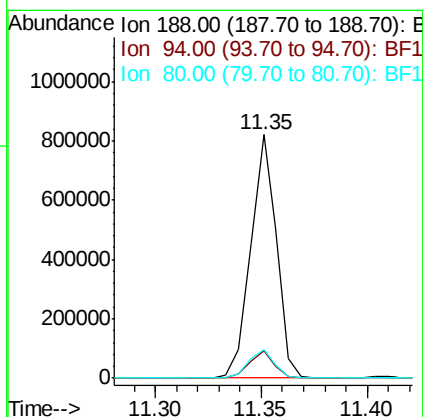
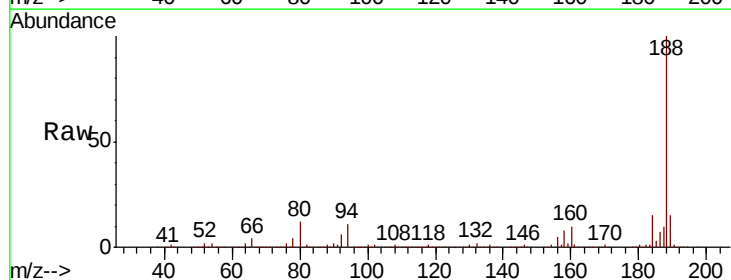
Instrument :
 BNA_F
 ClientSampleId :
 B18-4-6

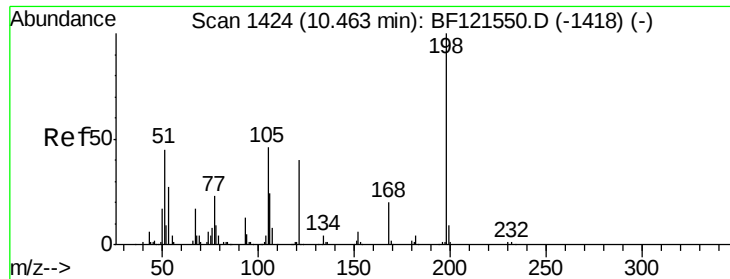
Tot Ion:	165	Resp:	49361
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.2	54.4#
89	1.5	58.2	87.4#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BF121562.D
 Acq: 14 Sep 2020 16:01

Tgt Ion:	188	Resp:	692614
Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.7	13.1
80	11.8	9.3	13.9

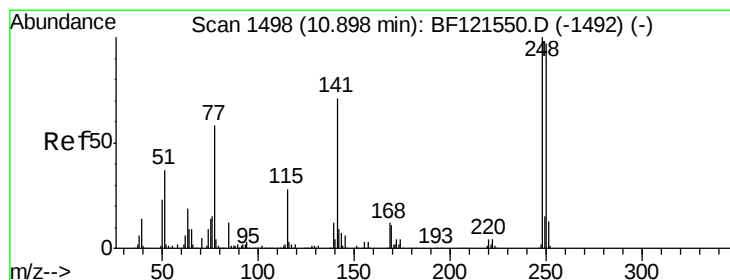
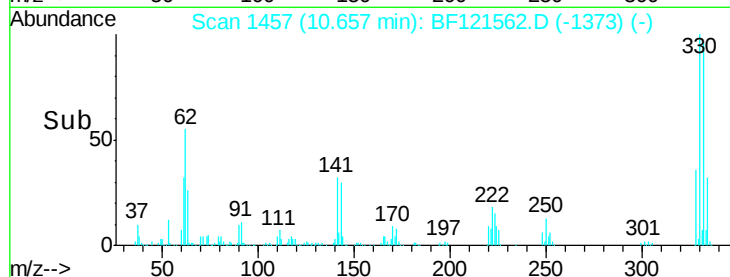
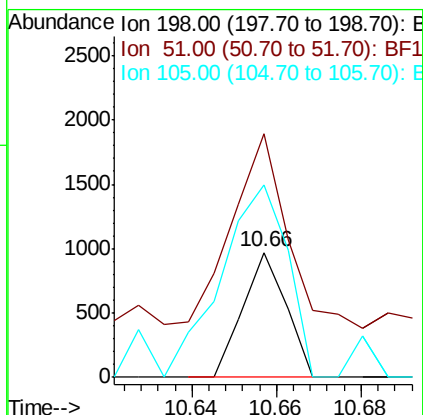
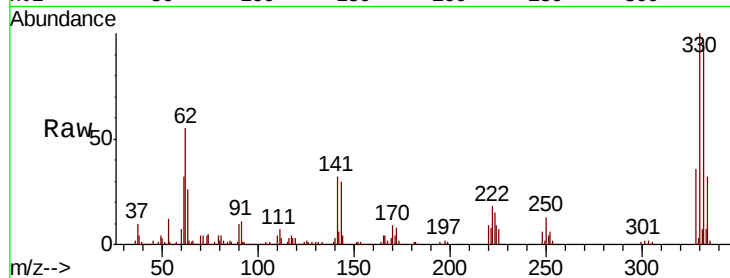




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.991 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.19 min
 Lab File: BF121562.D
 Acq: 14 Sep 2020 16:01

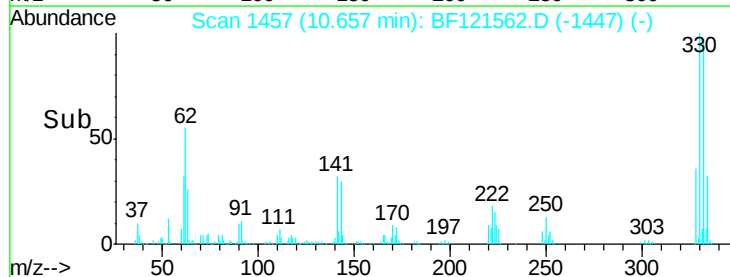
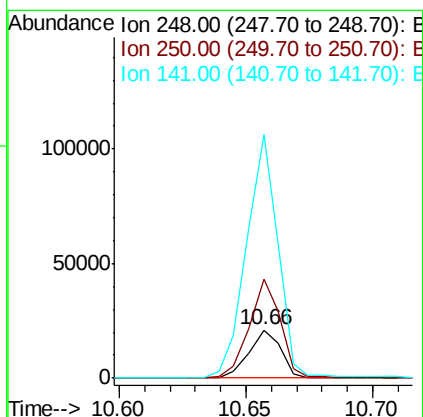
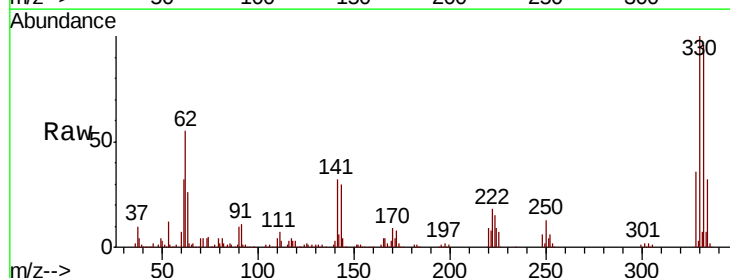
Instrument :
 BNA_F
 ClientSampled :
 B18-4-6

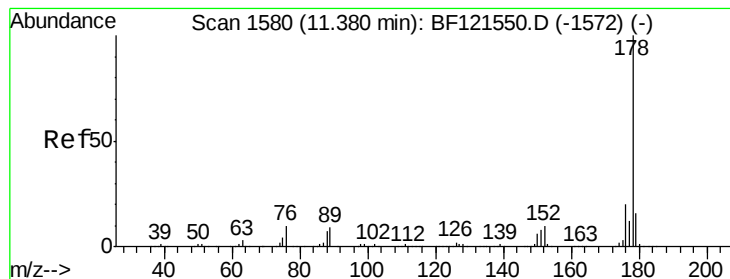
Tot Ion:198 Resp: 689
 Ion Ratio Lower Upper
 198 100
 51 195.1 31.1 71.1#
 105 154.0 26.6 66.6#



#67
 4-Bromophenyl-phenylether
 Concen: 2.350 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.24 min
 Lab File: BF121562.D
 Acq: 14 Sep 2020 16:01

Tgt Ion:248 Resp: 18535
 Ion Ratio Lower Upper
 248 100
 250 207.9 77.4 116.0#
 141 508.9 56.7 85.1#





#71

Phenanthrene

Concen: 4.134 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

ClientSampleId :

B18-4-6

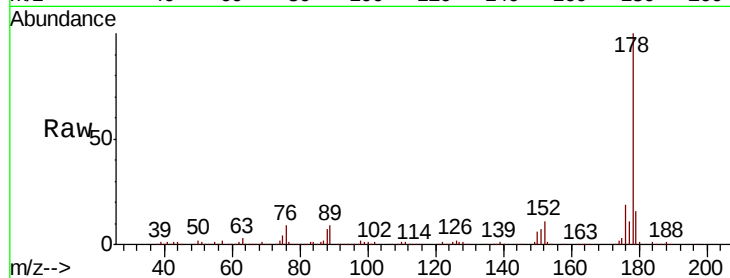
Tot Ion:178 Resp: 155993

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

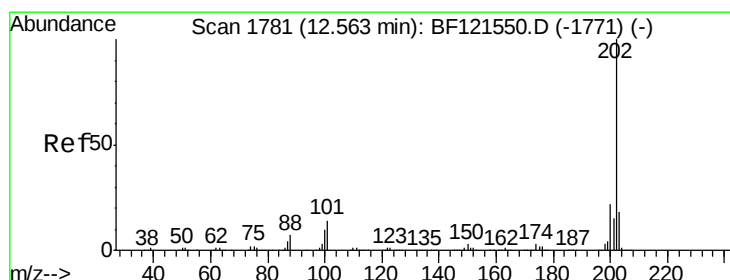
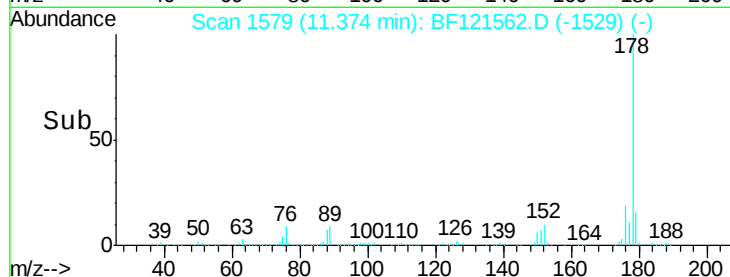
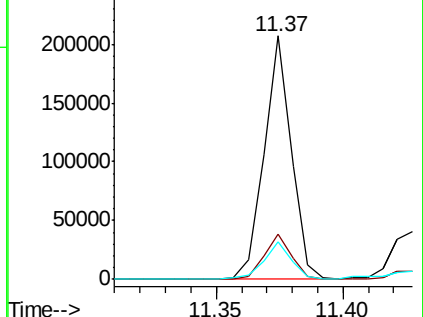
179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 11.004 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

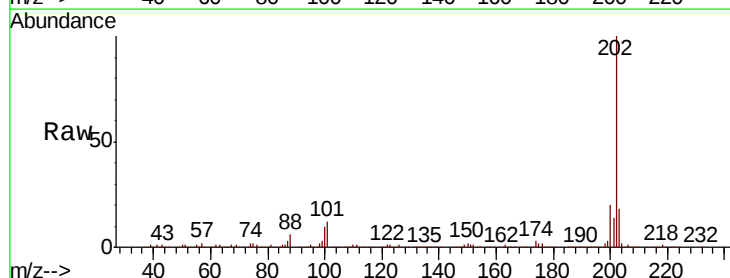
Tgt Ion:202 Resp: 443278

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.0

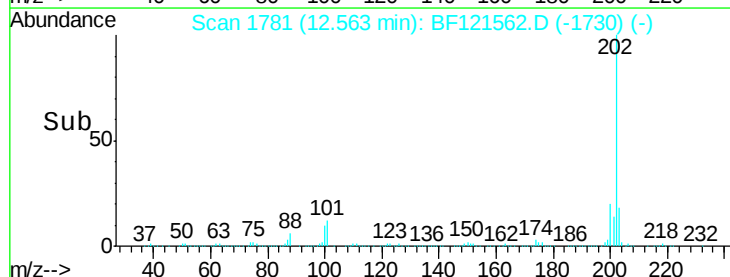
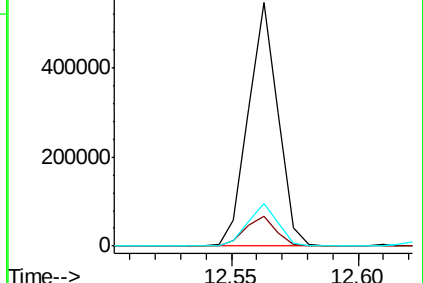
203 17.7 0.0 38.2

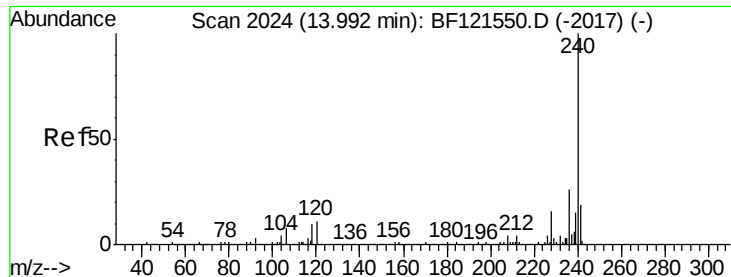


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

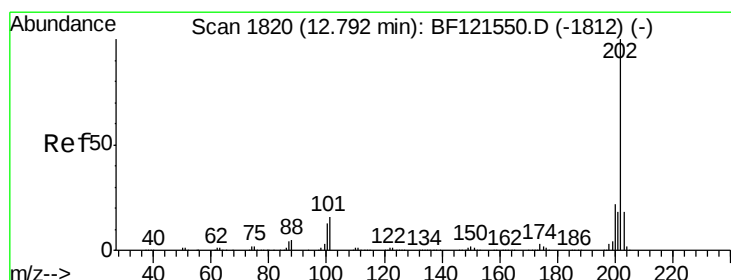
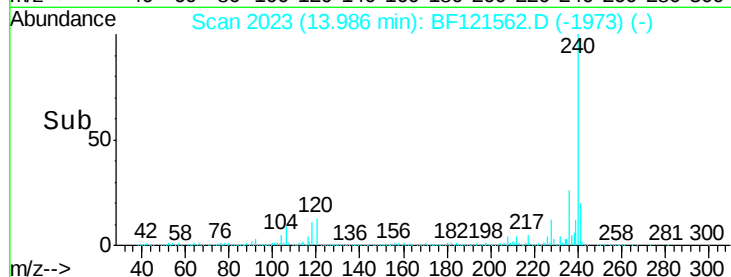
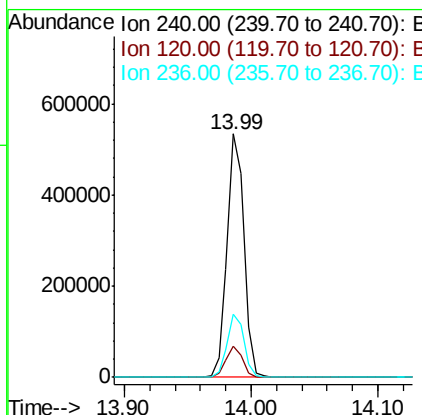
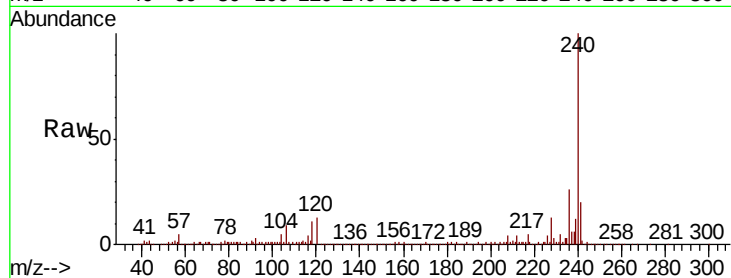




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

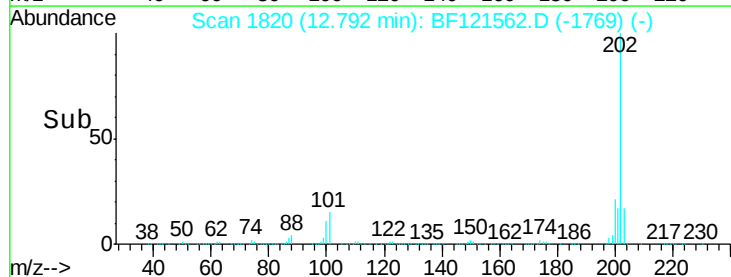
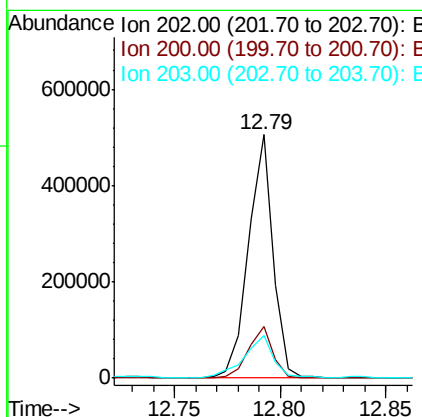
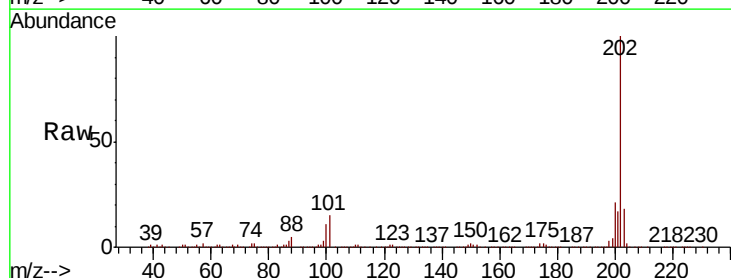
Instrument :
BNA_F
ClientSampleId :
B18-4-6

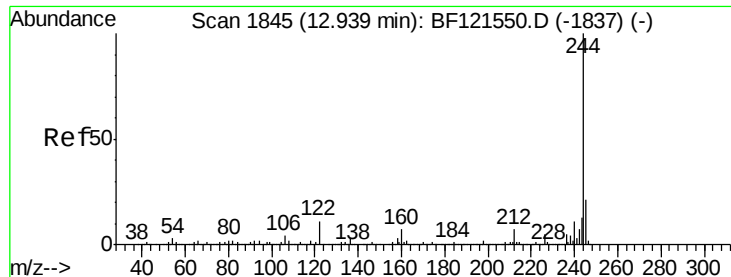
Tot Ion:240 Resp: 492666
Ion Ratio Lower Upper
240 100
120 13.0 9.2 13.8
236 26.0 20.5 30.7



#78
Pyrene
Concen: 11.338 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Tgt Ion:202 Resp: 408123
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.8
203 17.5 14.6 22.0





#79

Terphenyl-d14

Concen: 49.275 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

ClientSampleId :

B18-4-6

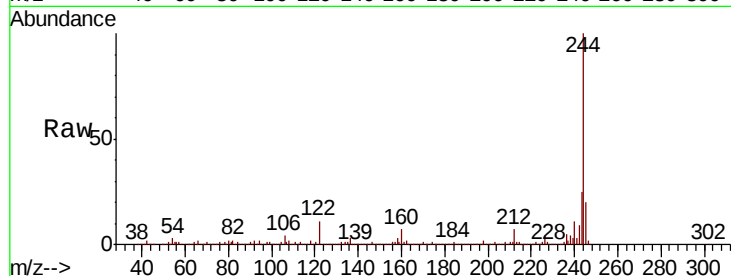
Tot Ion:244 Resp: 1198290

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

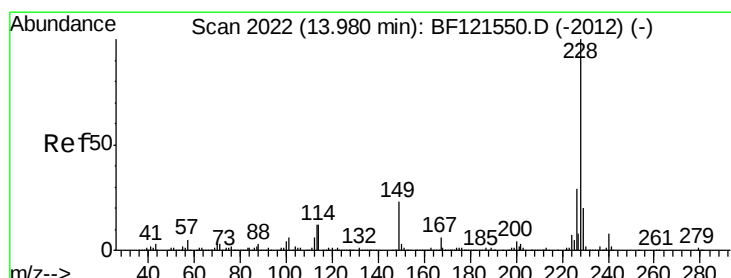
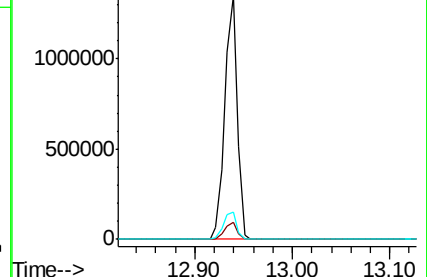
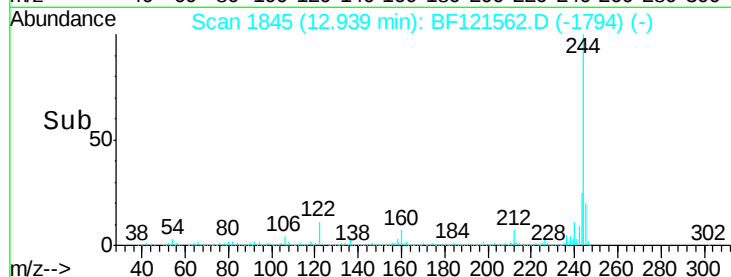
122 11.0 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.539 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

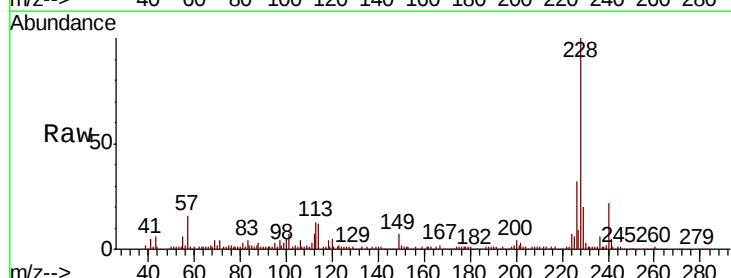
Tgt Ion:228 Resp: 203823

Ion Ratio Lower Upper

228 100

226 32.4 22.9 34.3

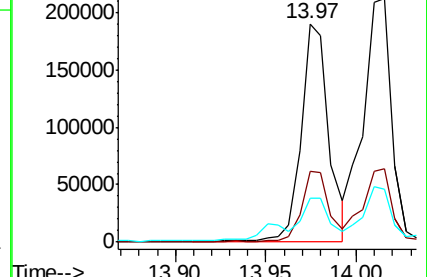
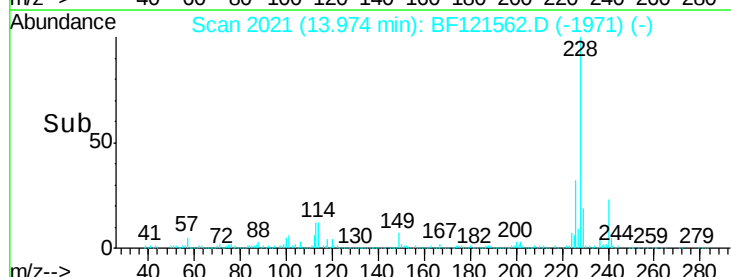
229 20.2 16.3 24.5

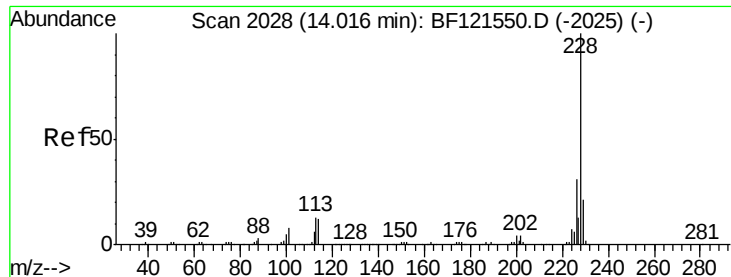


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

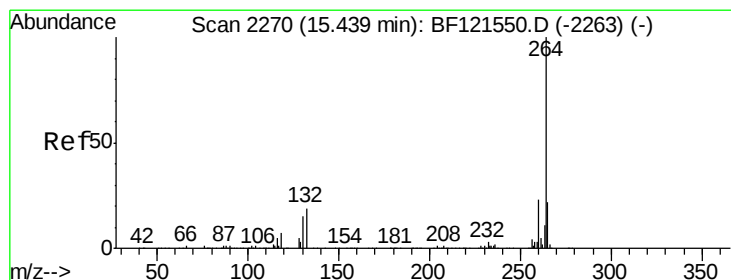
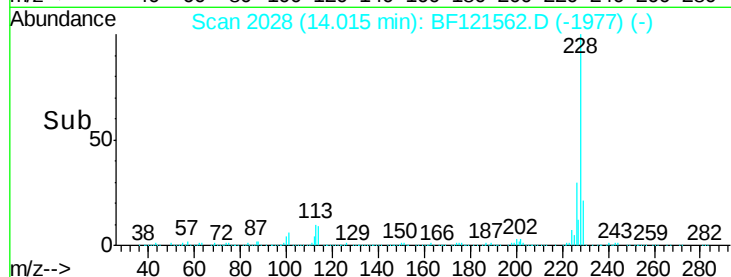
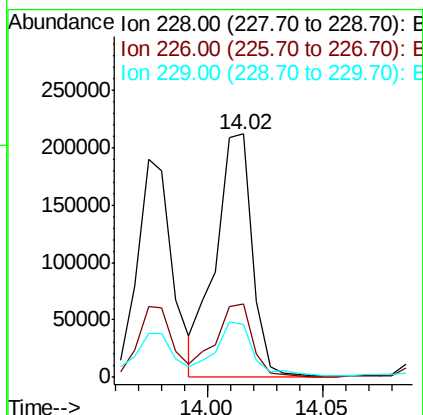
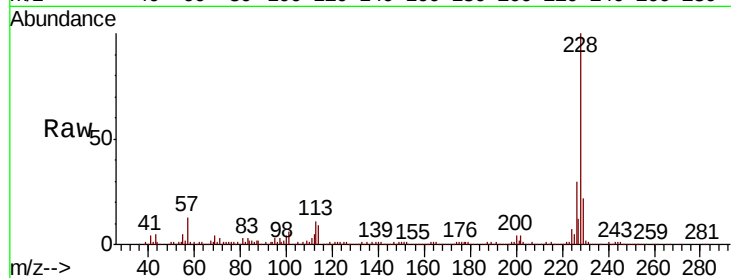




#83
 Chrysene
 Concen: 7.345 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BF121562.D
 Acq: 14 Sep 2020 16:01

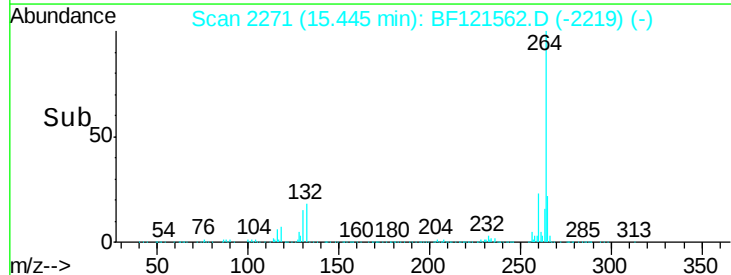
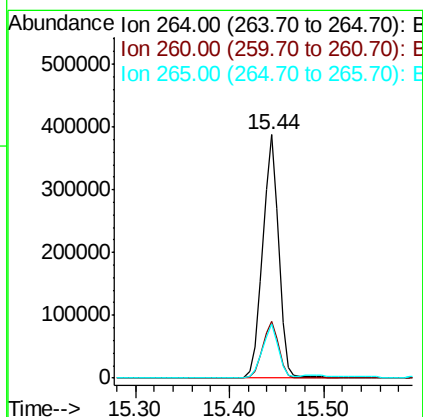
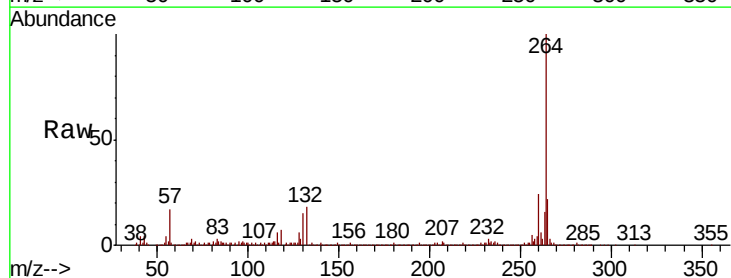
Instrument :
 BNA_F
 ClientSampleId :
 B18-4-6

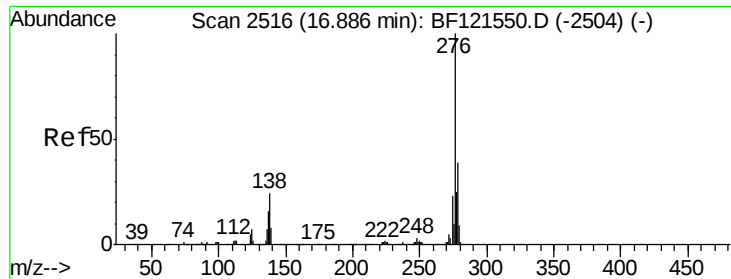
Tot Ion:228 Resp: 231821
 Ion Ratio Lower Upper
 228 100
 226 29.9 25.1 37.7
 229 21.6 16.6 25.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF121562.D
 Acq: 14 Sep 2020 16:01

Tgt Ion:264 Resp: 460052
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.8 28.2
 265 22.1 17.8 26.6

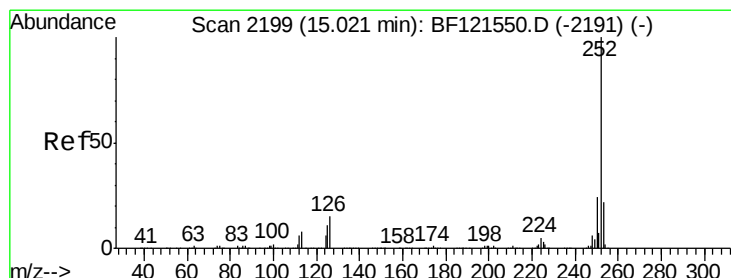
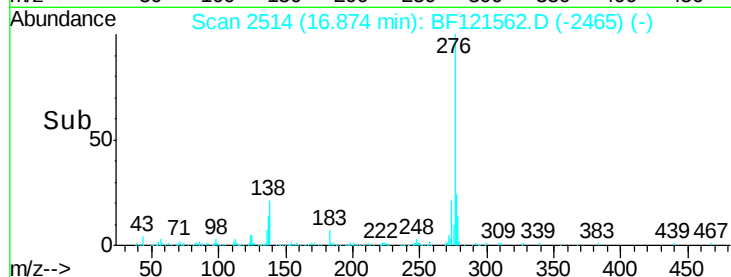
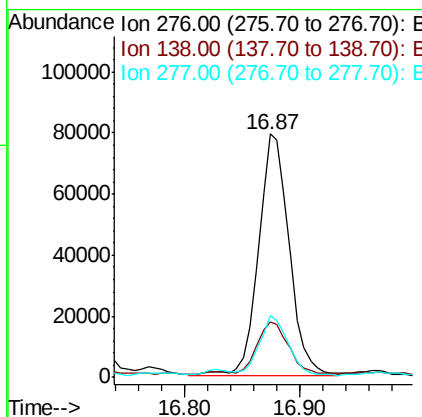
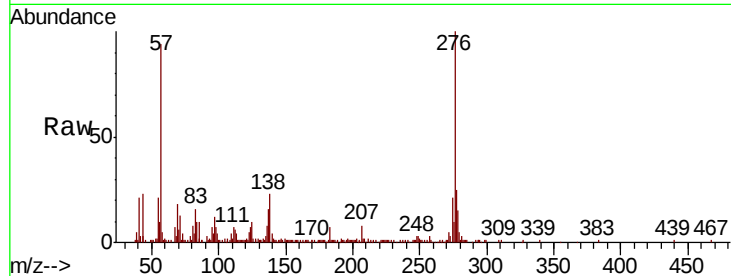




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.895 ng
 RT: 16.87 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BF121562.D
 Acq: 14 Sep 2020 16:01

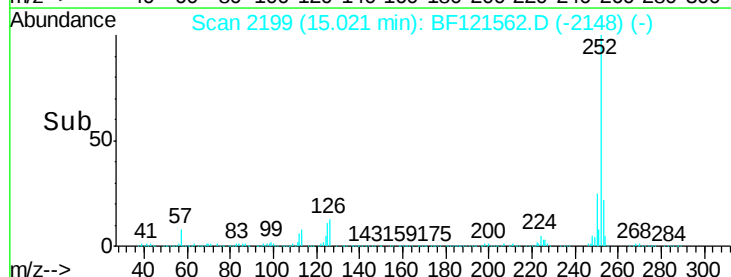
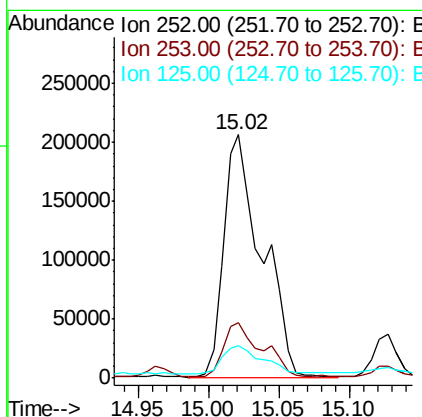
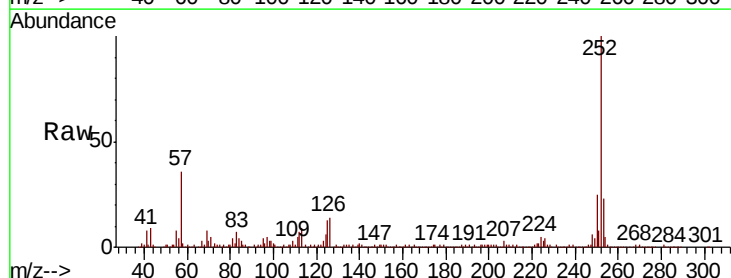
Instrument :
 BNA_F
 ClientSampled :
 B18-4-6

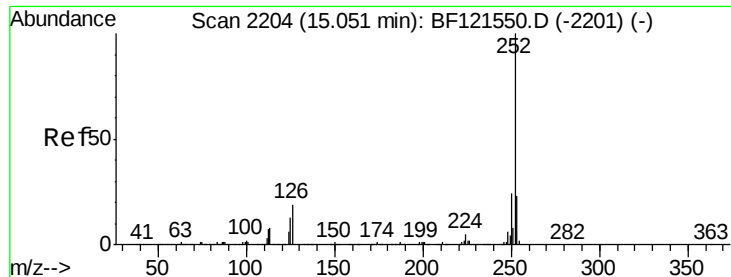
Tot Ion:276 Resp: 146649
 Ion Ratio Lower Upper
 276 100
 138 23.3 20.6 31.0
 277 23.6 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 12.570 ng
 RT: 15.02 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BF121562.D
 Acq: 14 Sep 2020 16:01

Tgt Ion:252 Resp: 386593
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.9 26.9
 125 13.2 9.2 13.8

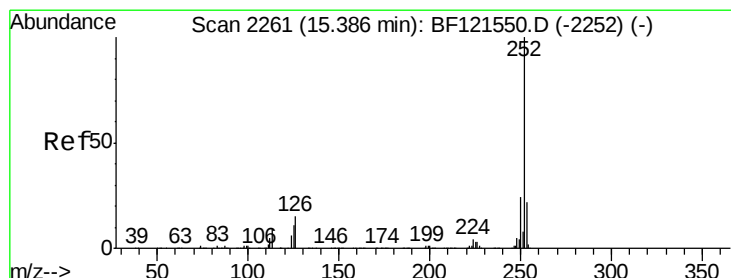
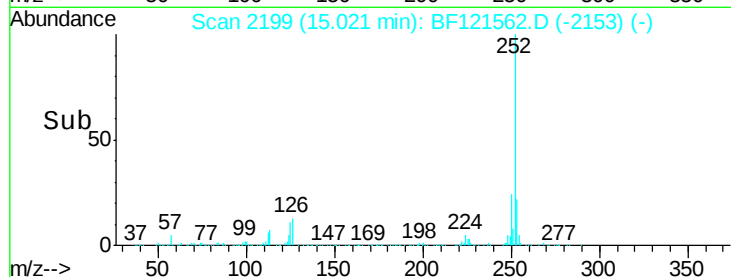
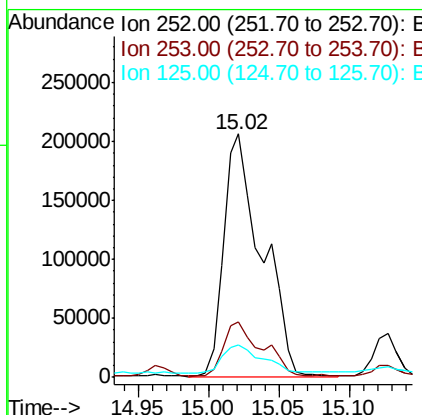
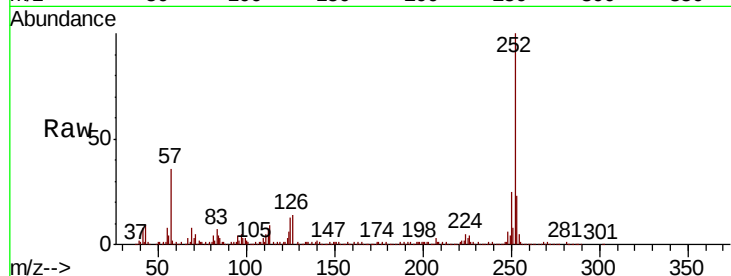




#89
Benzo(k)fluoranthene
Concen: 13.727 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.03 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

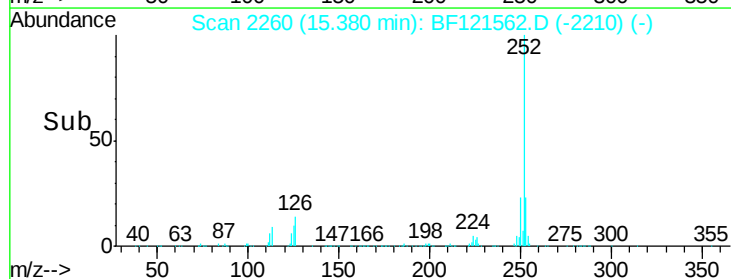
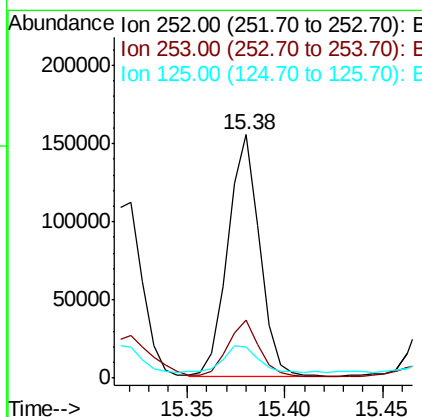
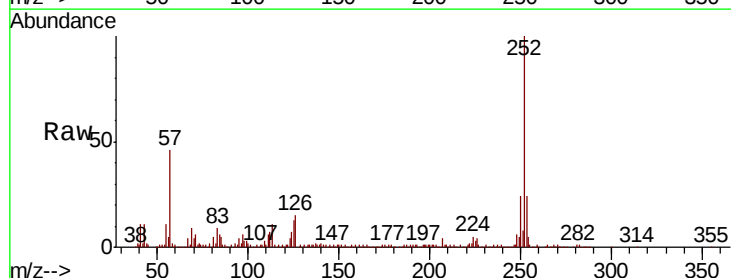
Instrument :
BNA_F
ClientSampled :
B18-4-6

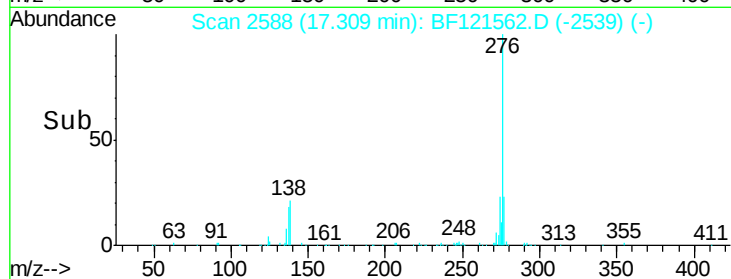
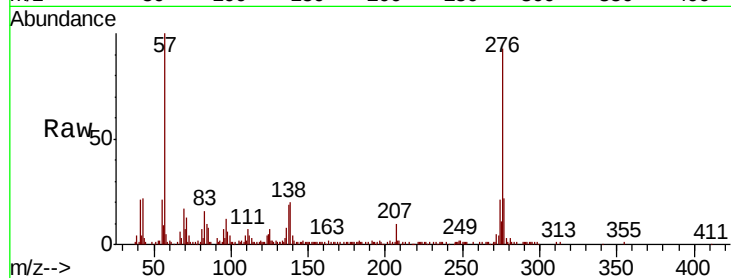
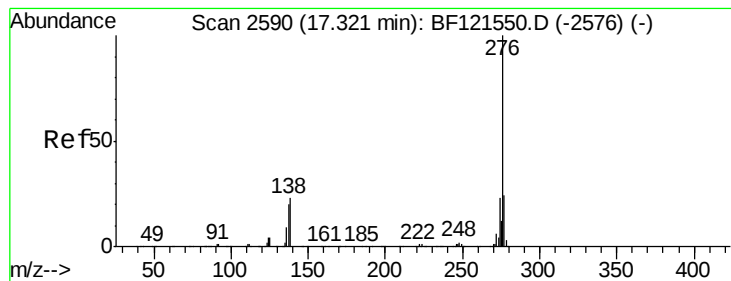
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	13.2	9.8	14.6



#90
Benzo(a)pyrene
Concen: 6.671 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF121562.D
Acq: 14 Sep 2020 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	13.0	9.0	13.4





#92

Benzo(a,h,i)perylene

Concen: 5.450 ng

RT: 17.31 min Scan# 2588

Delta R.T. -0.01 min

Lab File: BF121562.D

Acq: 14 Sep 2020 16:01

Instrument :

BNA_F

ClientSampleId :

B18-4-6

Tot Ion: 276 Resp: 133609

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.0

138 22.1 18.7 28.1

