

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121827.D
 Acq On : 5 Oct 2020 20:20
 Operator : JU/CG
 Sample : L4247-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-19(4-5)

Quant Time: Oct 06 00:21:20 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	113764	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	432195	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	201958	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	334082	20.00	ng	0.00
76) Chrysene-d12	13.92	240	248708	20.00	ng	-0.01
86) Perylene-d12	15.36	264	242594	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	635860	83.06	ng	0.00
7) Phenol-d6	6.40	99	804108	80.07	ng	-0.01
23) Nitrobenzene-d5	7.33	82	543758	67.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	201337	80.21	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	838873	62.91	ng	-0.01
79) Terphenyl-d14	12.87	244	667598	54.38	ng	-0.01

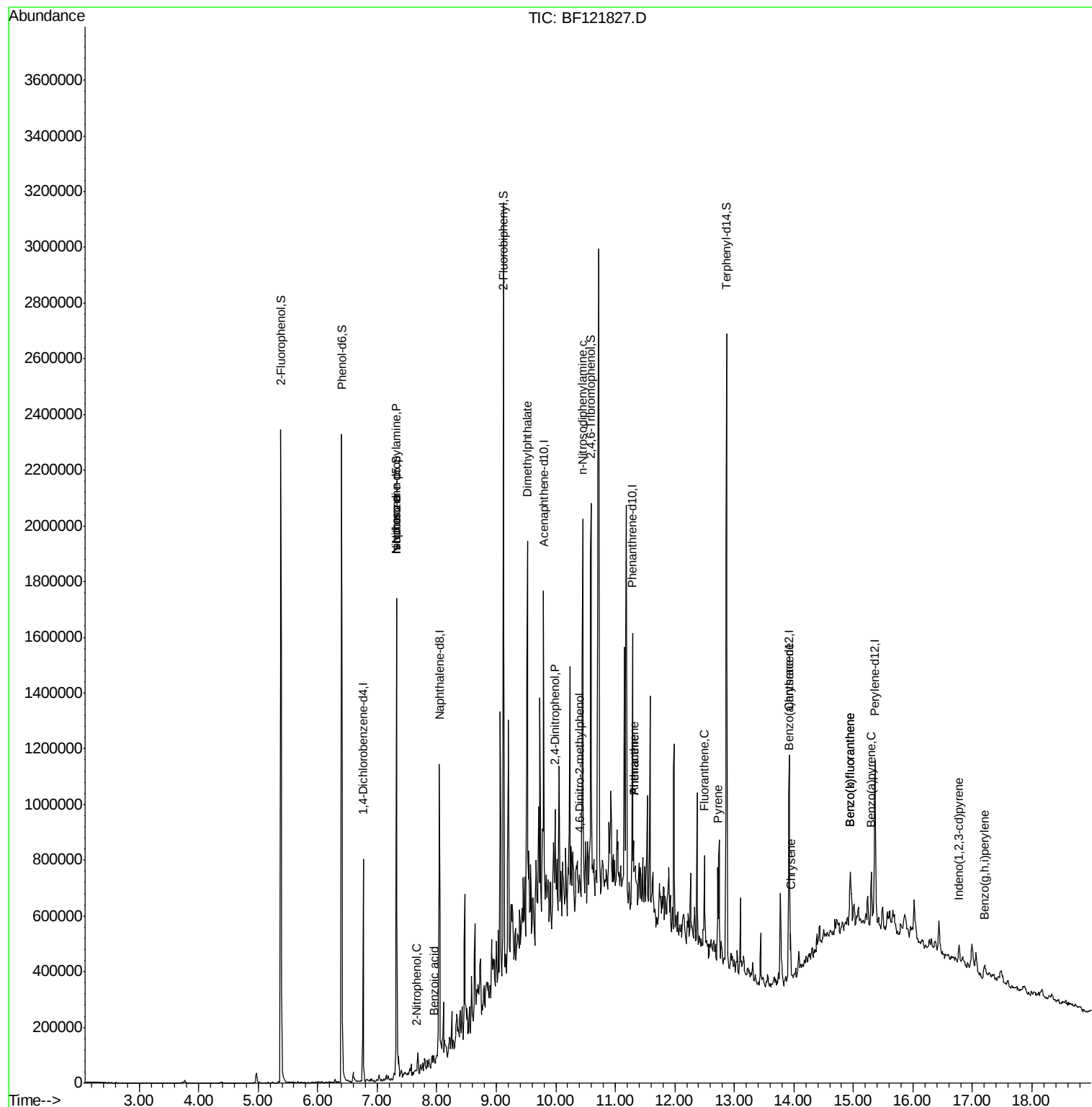
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.33	70	72471	12.521	ng	# 78
25) Isophorone	7.33	82	539916	33.320	ng	# 67
26) 2-Nitrophenol	7.66	139	378	2.647	ng	# 1
32) Benzoic acid	7.96	122	465	7.009	ng	89
50) Dimethylphthalate	9.52	163	96329	6.581	ng	# 97
54) 2,4-Dinitrophenol	9.99	184	260	9.176	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.42	198	402	7.020	ng	# 1
66) n-Nitrosodiphenylamine	10.46	169	25953	2.264	ng	# 56
71) Phenanthrene	11.31	178	84022	4.616	ng	97
72) Anthracene	11.31	178	84022	4.473	ng	97
75) Fluoranthene	12.50	202	134497	6.922	ng	97
78) Pyrene	12.72	202	138606	7.628	ng	98
81) Benzo(a)anthracene	13.91	228	71751	4.560	ng	97
83) Chrysene	13.94	228	61333	3.849	ng	95
87) Indeno(1,2,3-cd)pyrene	16.77	276	33773	2.138	ng	95
88) Benzo(b)fluoranthene	14.94	252	115898	7.146	ng	# 91
89) Benzo(k)fluoranthene	14.94	252	115898	7.804	ng	# 90
90) Benzo(a)pyrene	15.30	252	62251	4.516	ng	# 89
92) Benzo(a,h,i)perylene	17.20	276	33884	2.621	ng	91

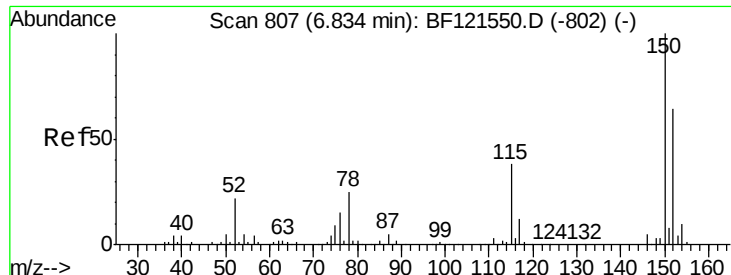
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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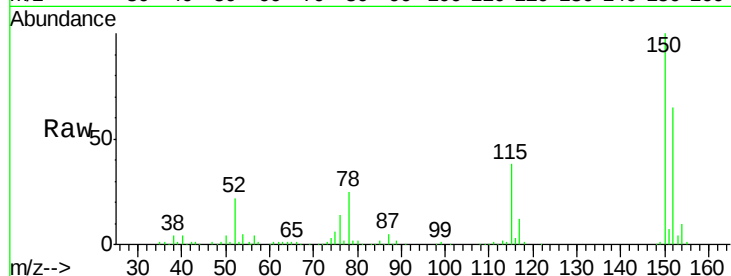


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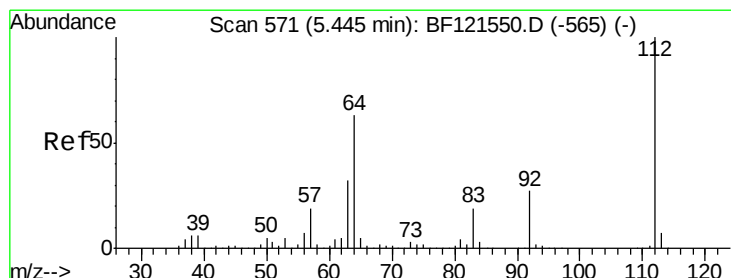
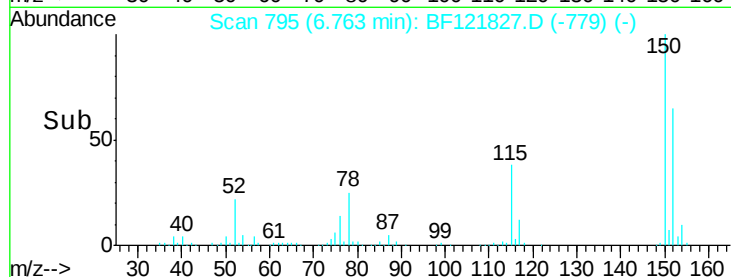
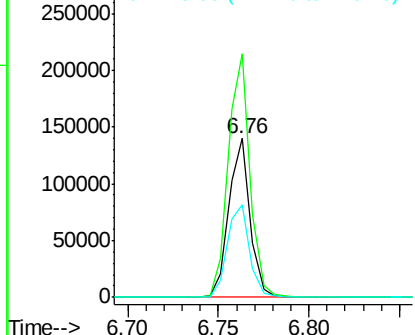
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

Instrument :
BNA_F
ClientSampleId :
B-19(4-5)

Tot Ion:152 Resp: 113764
Ion Ratio Lower Upper
152 100
150 153.6 125.3 187.9
115 58.4 51.9 77.9



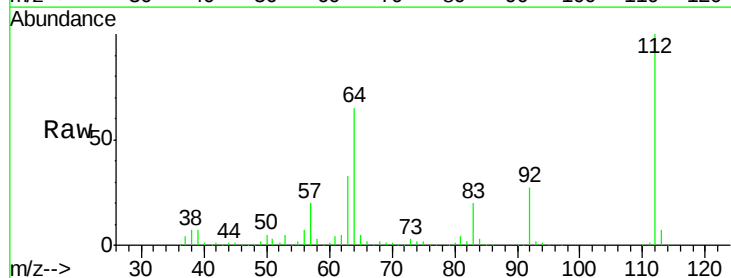
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



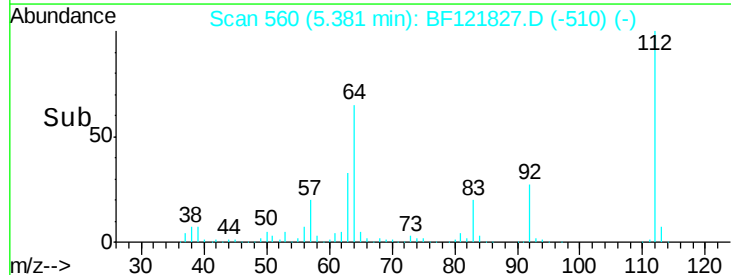
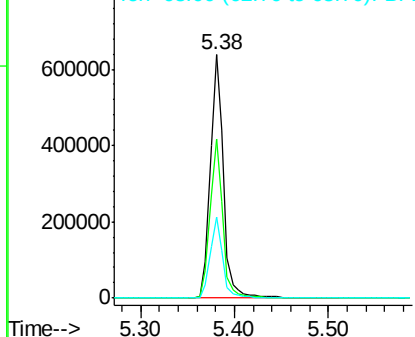
#5

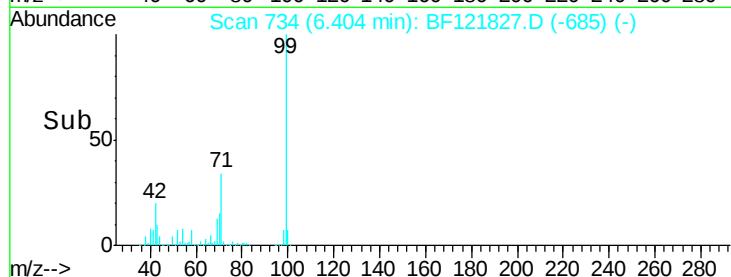
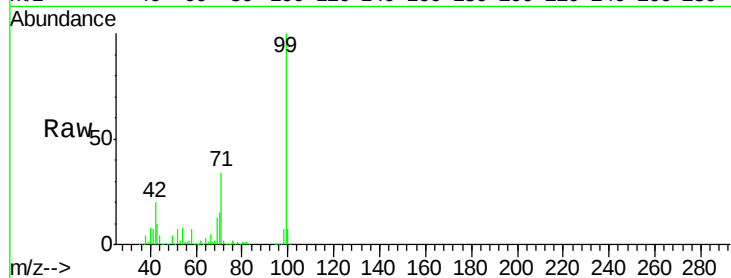
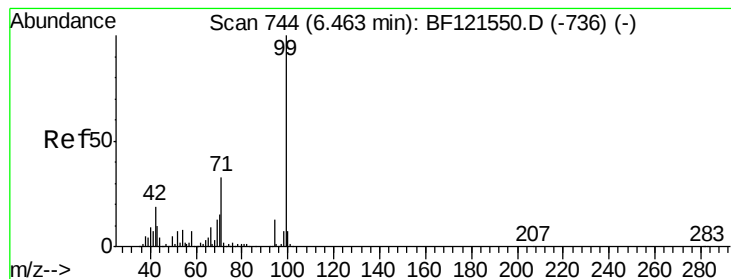
2-Fluorophenol
Concen: 83.064 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

Tgt Ion:112 Resp: 635860
Ion Ratio Lower Upper
112 100
64 65.1 50.4 75.6
63 33.1 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: 80.067 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

Instrument :

BNA_F

ClientSampleId :

B-19(4-5)

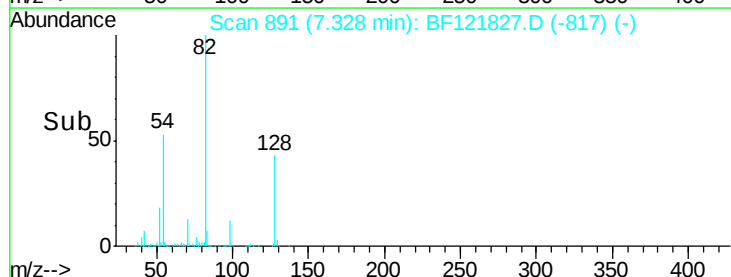
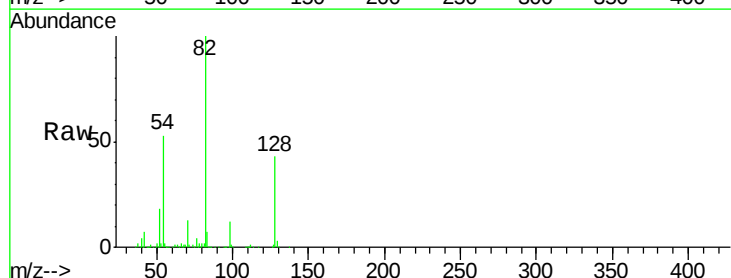
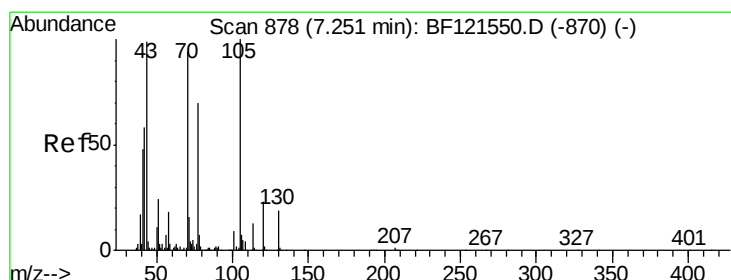
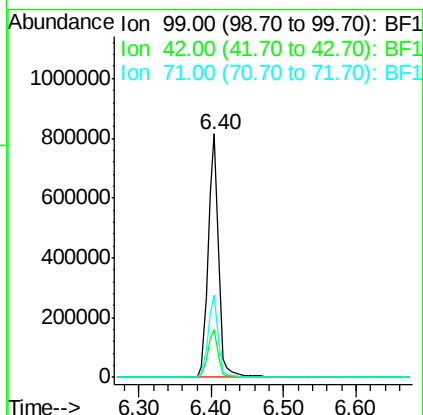
Tot Ion: 99 Resp: 804108

Ion Ratio Lower Upper

99 100

42 19.9 15.9 23.9

71 33.8 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.521 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

Tgt Ion: 70 Resp: 72471

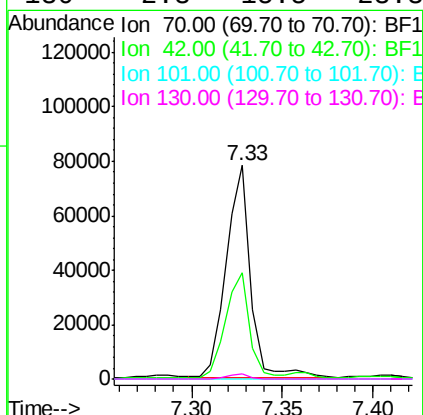
Ion Ratio Lower Upper

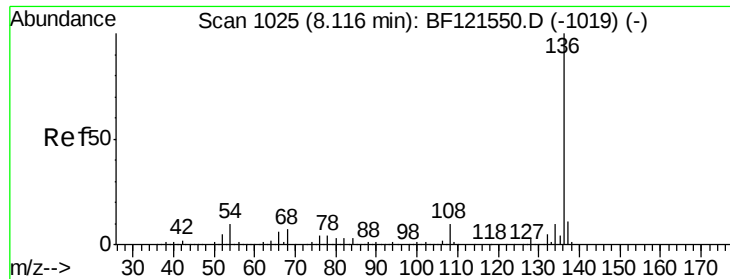
70 100

42 50.1 50.2 75.4#

101 0.0 7.5 11.3#

130 2.3 15.5 23.3#

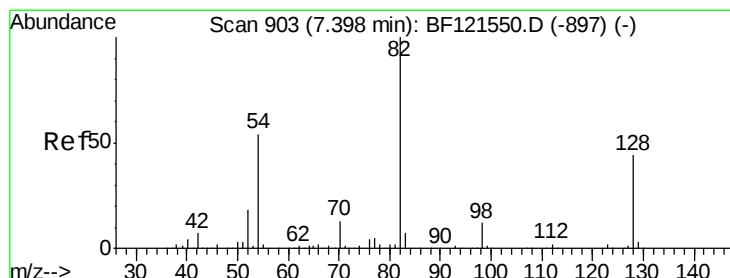
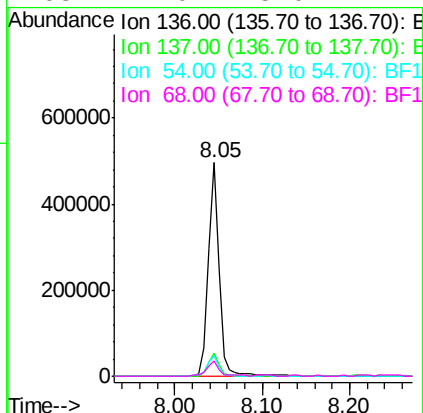
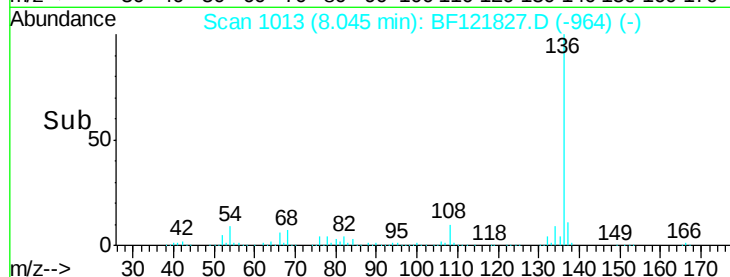
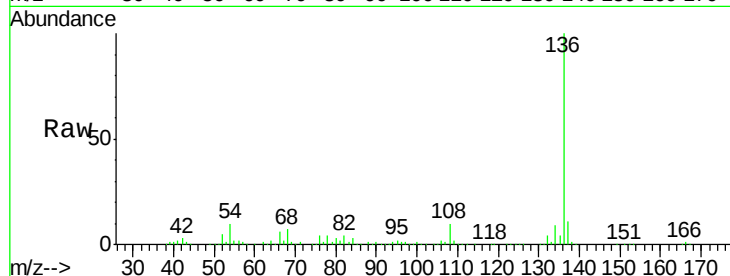




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

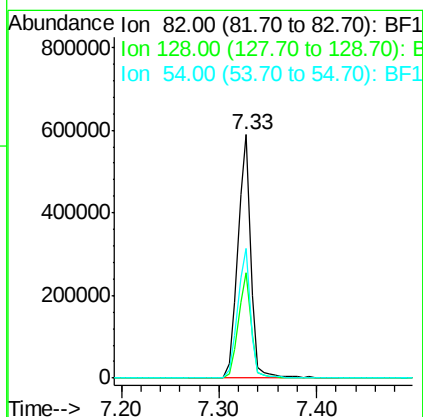
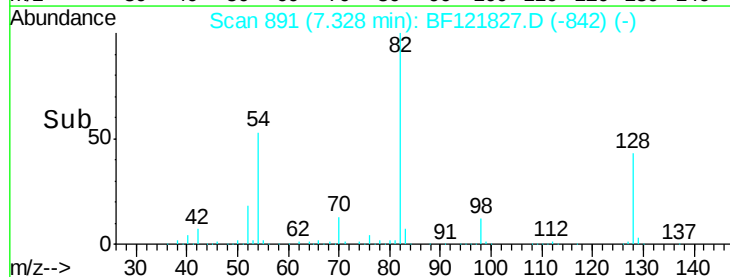
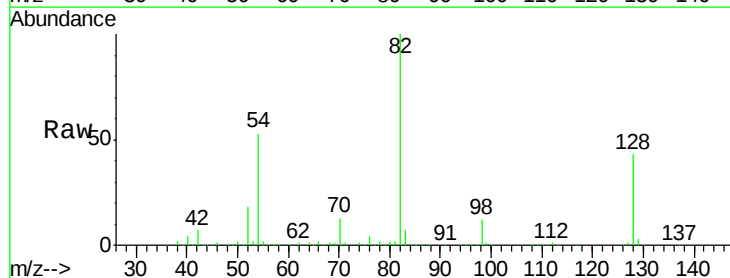
Instrument :
BNA_F
ClientSampleId :
B-19(4-5)

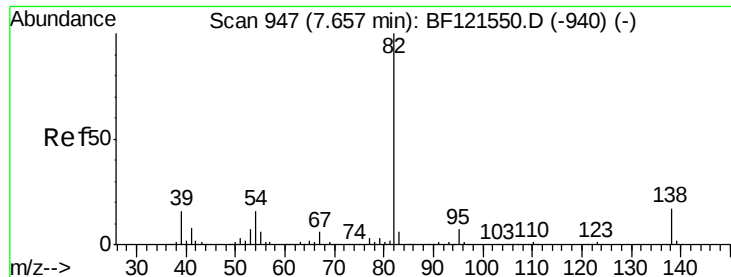
Tot Ion:136	Resp:	432195
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.6 13.0
54	9.5	7.1 10.7
68	7.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 67.551 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

Tgt Ion: 82	Resp:	543758
Ion Ratio	Lower	Upper
82	100	
128	43.3	35.0 52.4
54	53.4	43.9 65.9





#25

Isophorone

Concen: 33.320 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

Instrument :

BNA_F

ClientSampleId :

B-19(4-5)

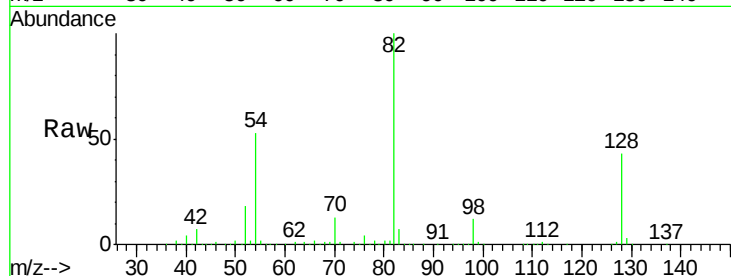
Tot Ion: 82 Resp: 539916

Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.0#

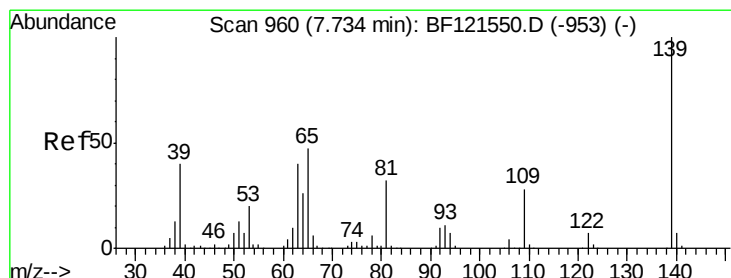
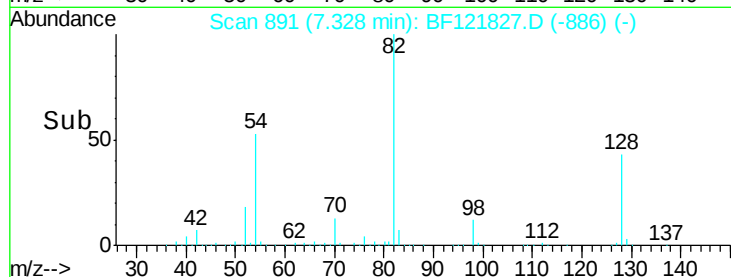
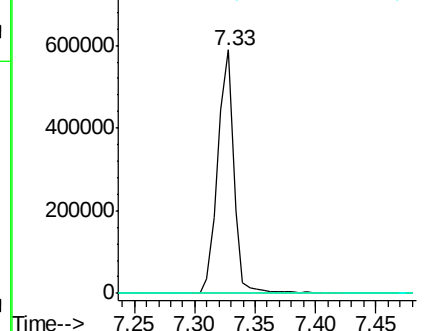
138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 2.647 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

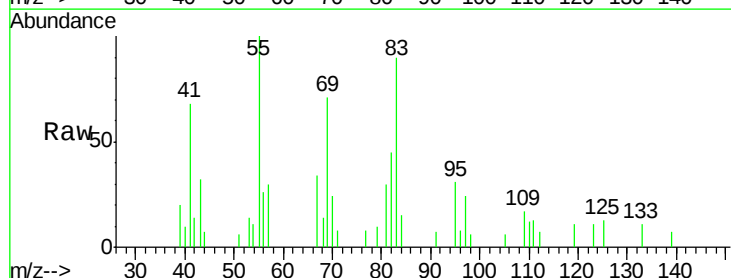
Tgt Ion: 139 Resp: 378

Ion Ratio Lower Upper

139 100

109 225.8 23.0 34.4#

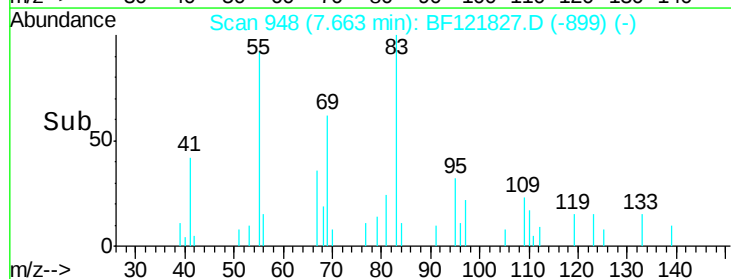
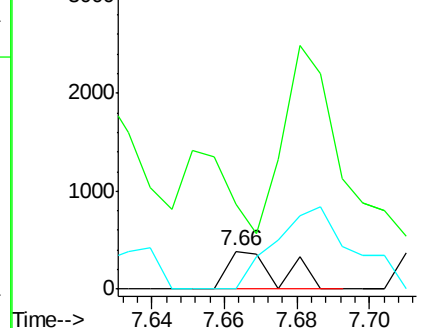
65 0.0 39.9 59.9#

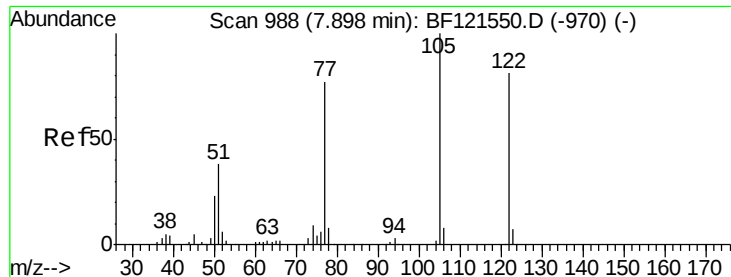


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

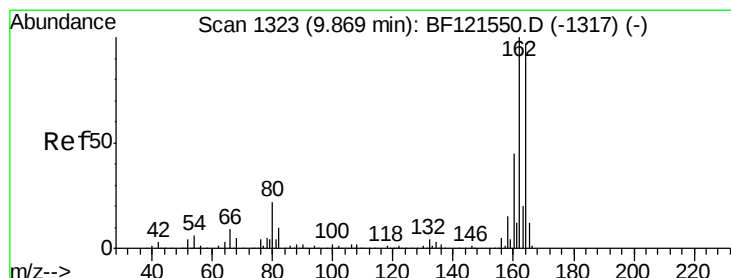
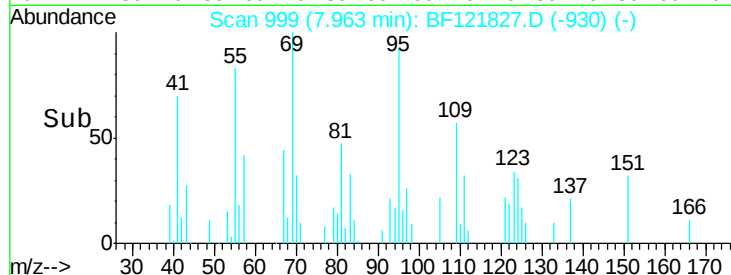
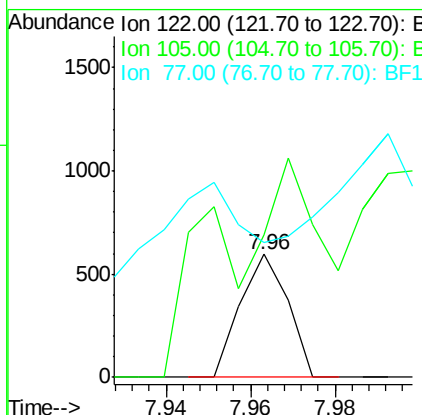
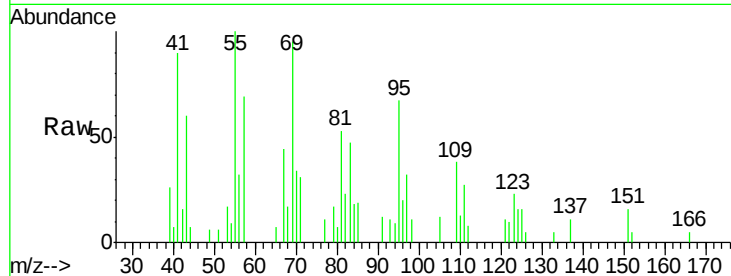




#32
Benzoic acid
Concen: 7.009 ng
RT: 7.96 min Scan# 999
Delta R.T. 0.11 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

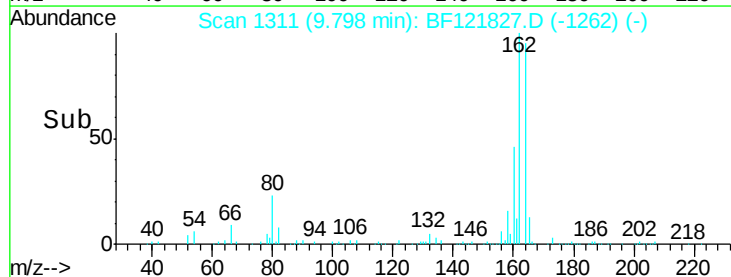
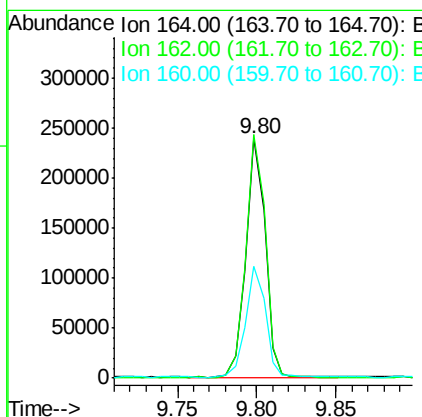
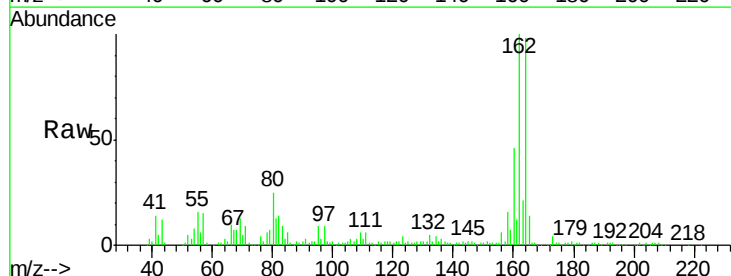
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B-19(4-5)

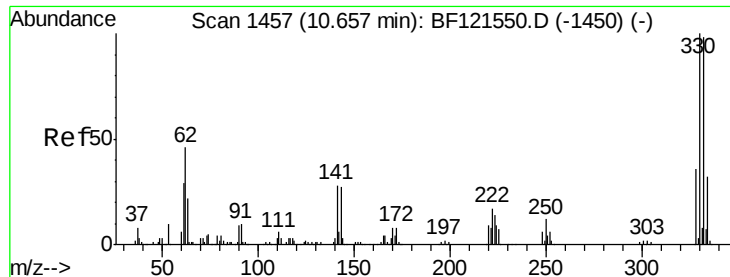
Tot Ion:122 Resp: 465
Ion Ratio Lower Upper
122 100
105 115.7 103.3 143.3
77 109.9 73.9 113.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

Tgt Ion:164 Resp: 201958
Ion Ratio Lower Upper
164 100
162 101.7 83.2 124.8
160 46.7 37.5 56.3

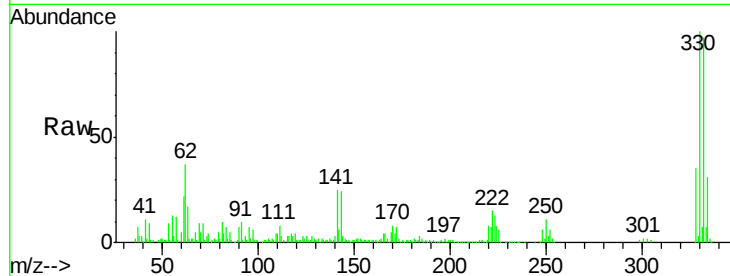




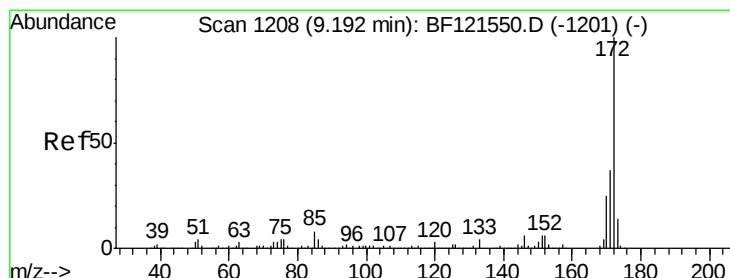
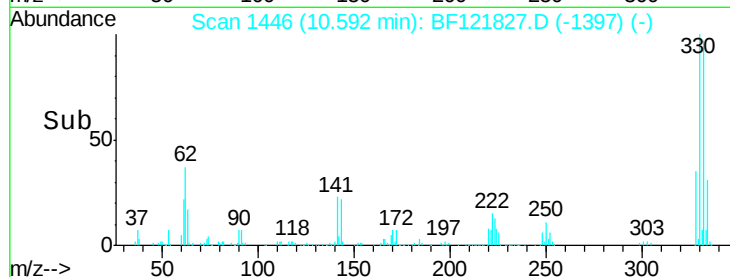
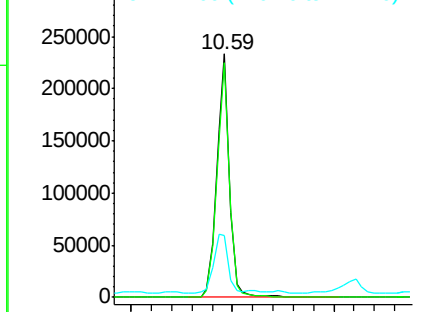
#42
 2,4,6-Tribromophenol
 Concen: 80.212 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121827.D
 Acq: 5 Oct 2020 20:20

Instrument :
 BNA_F
 ClientSampleId :
 B-19(4-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	27.6	22.3	33.5

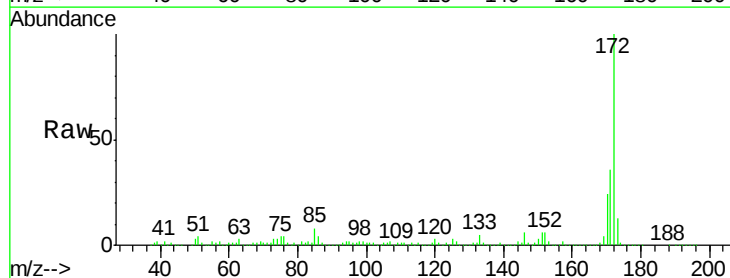


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

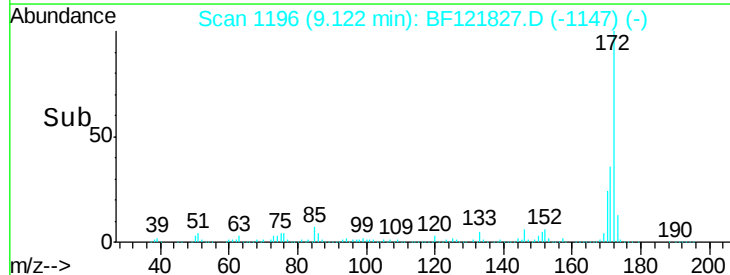
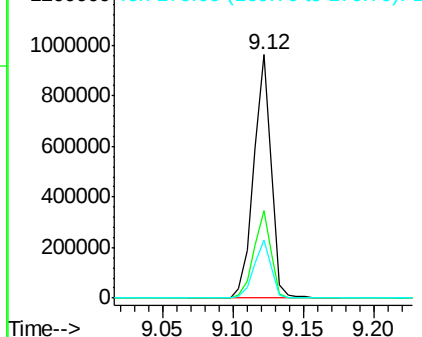


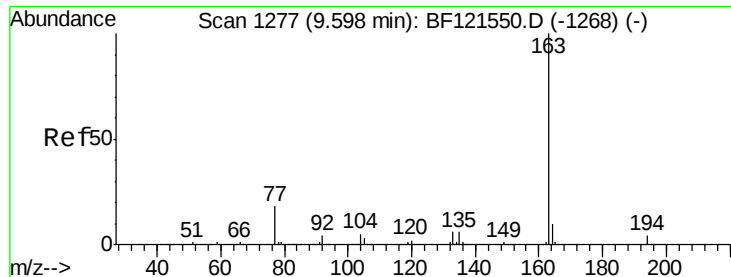
#45
 2-Fluorobiphenyl
 Concen: 62.909 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121827.D
 Acq: 5 Oct 2020 20:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.1	43.7
170	23.6	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: 6.581 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

Instrument :

BNA_F

ClientSampleId :

B-19(4-5)

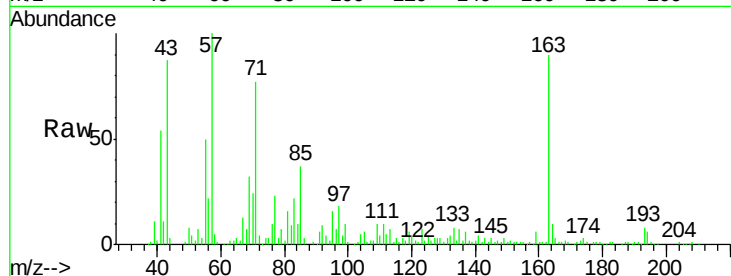
Tot Ion:163 Resp: 96329

Ion Ratio Lower Upper

163 100

194 6.3 3.3 4.9#

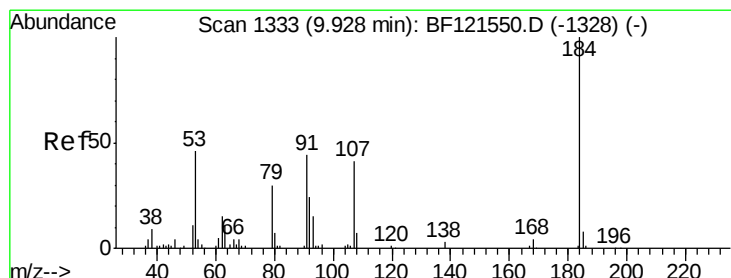
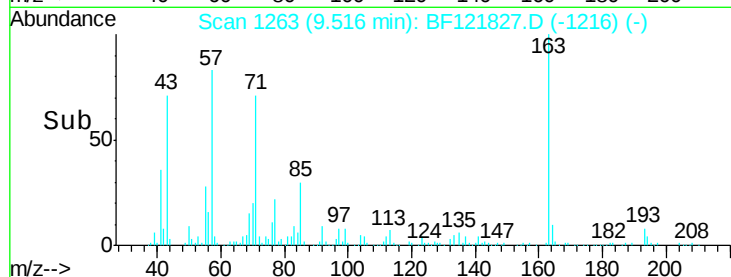
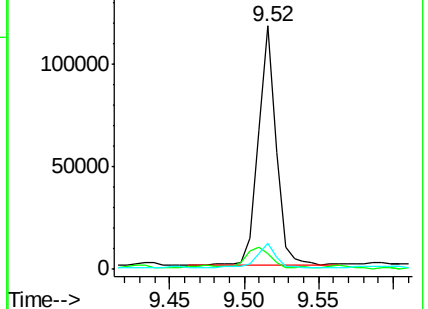
164 10.9 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 9.176 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.11 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

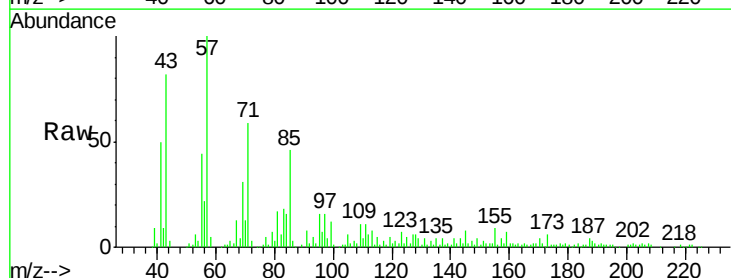
Tgt Ion:184 Resp: 260

Ion Ratio Lower Upper

184 100

63 249.5 45.9 68.9#

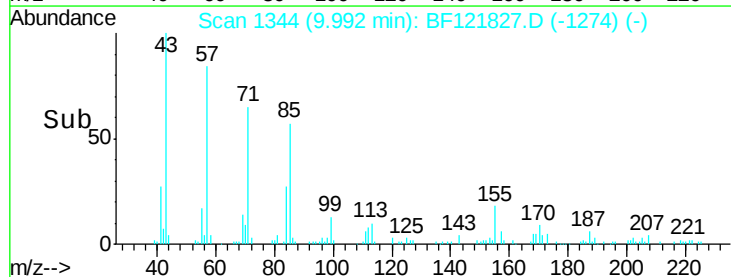
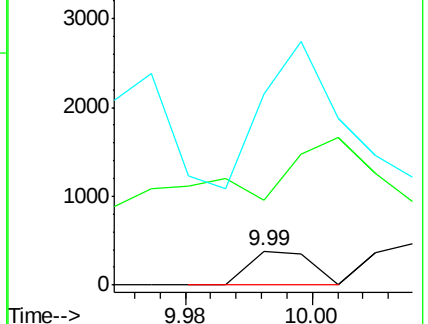
154 558.8 45.8 68.6#

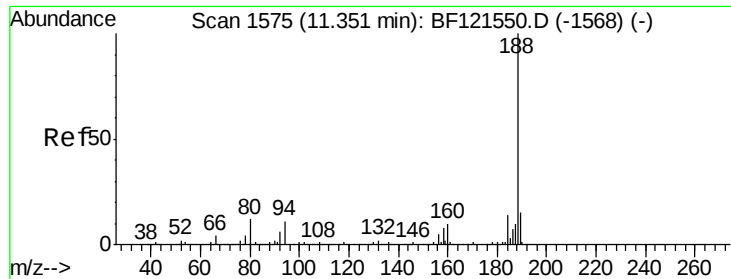


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

Instrument :

BNA_F

ClientSampleId :

B-19(4-5)

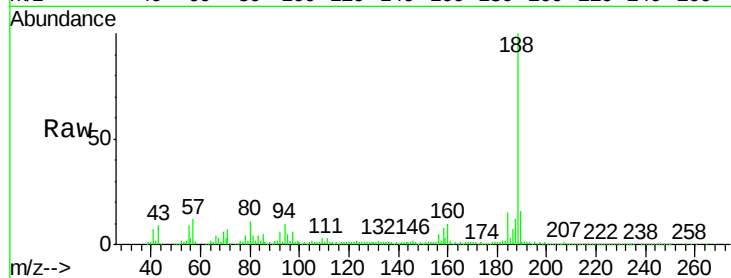
Tot Ion:188 Resp: 334082

Ion Ratio Lower Upper

188 100

94 10.3 8.3 12.5

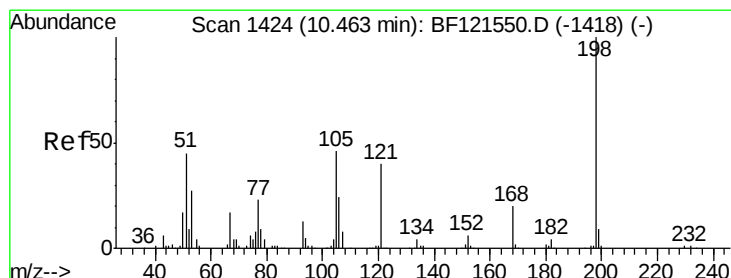
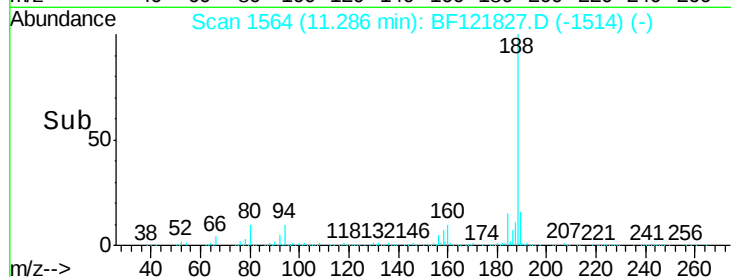
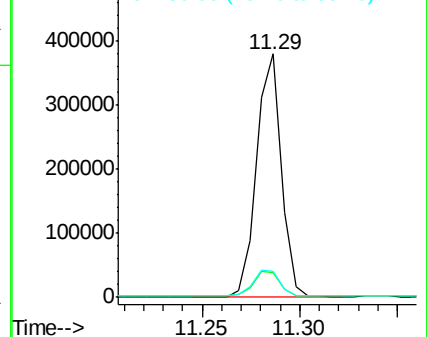
80 10.9 9.1 13.7



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.020 ng

RT: 10.42 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

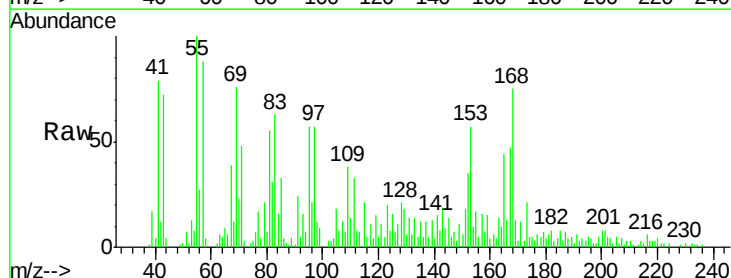
Tgt Ion:198 Resp: 402

Ion Ratio Lower Upper

198 100

51 418.9 29.6 69.6#

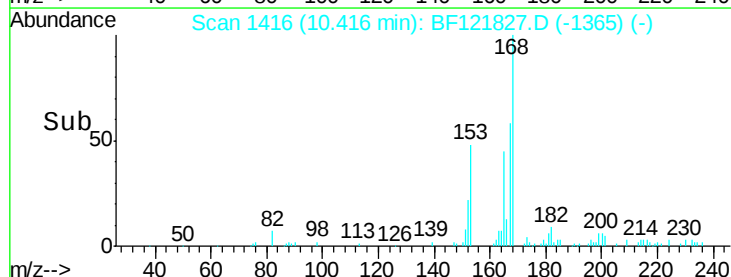
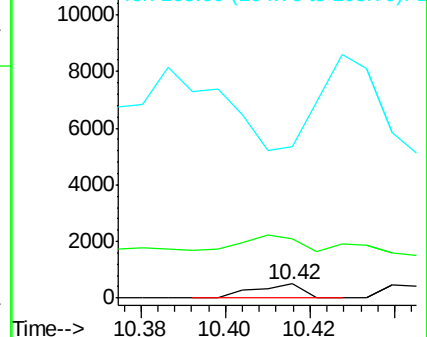
105 1071.6 24.4 64.4#

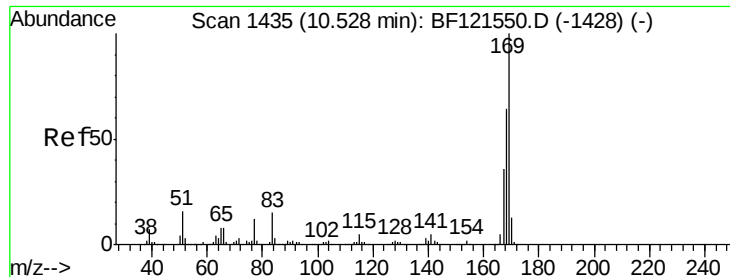


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

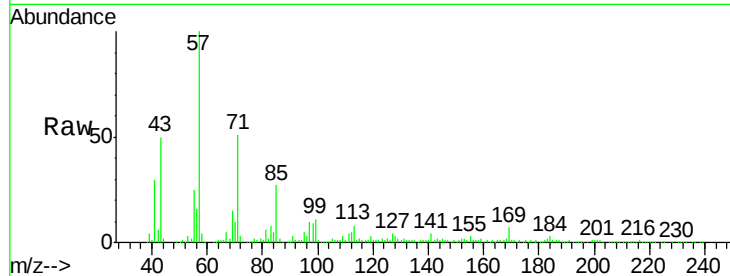




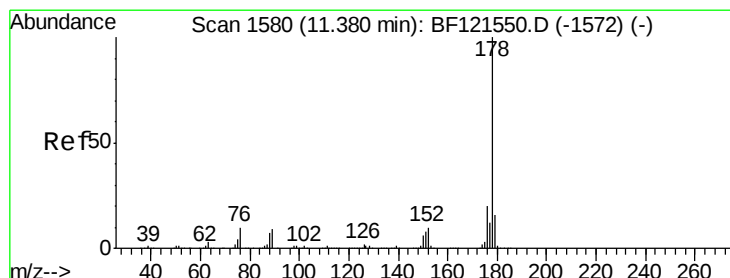
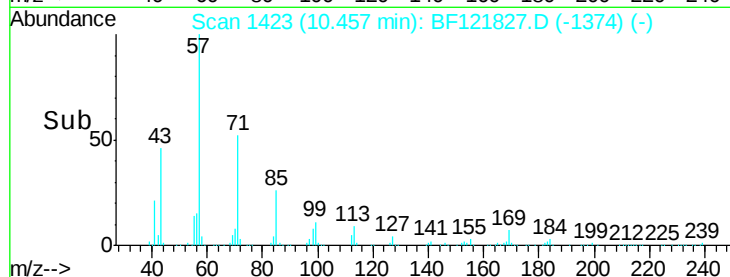
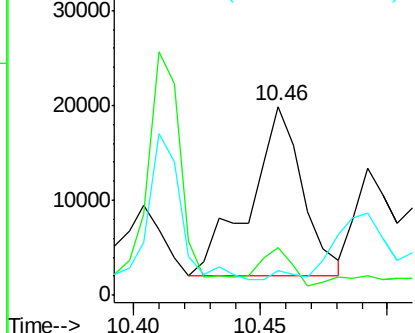
#66
 n-Nitrosodiphenylamine
 Concen: 2.264 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF121827.D
 Acq: 5 Oct 2020 20:20

Instrument :
 BNA_F
 ClientSampleId :
 B-19(4-5)

Tot Ion:169 Resp: 25953
 Ion Ratio Lower Upper
 169 100
 168 25.5 50.0 75.0#
 167 13.3 27.8 41.6#

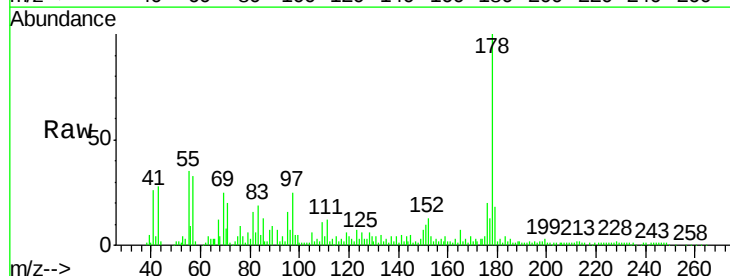


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

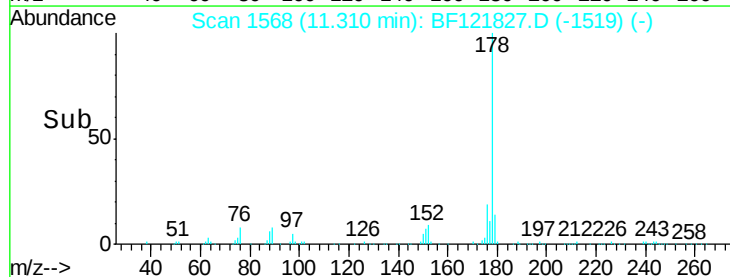
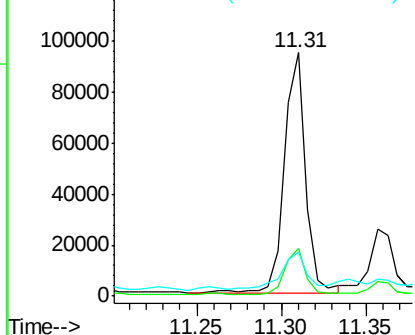


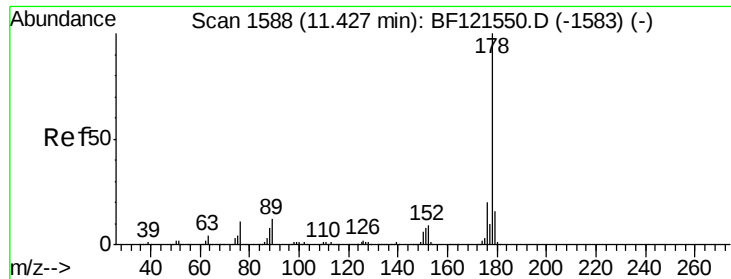
#71
 Phenanthrene
 Concen: 4.616 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF121827.D
 Acq: 5 Oct 2020 20:20

Tgt Ion:178 Resp: 84022
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.9 23.9
 179 18.1 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: 4.473 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.06 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

Instrument :

BNA_F

ClientSampleId :

B-19(4-5)

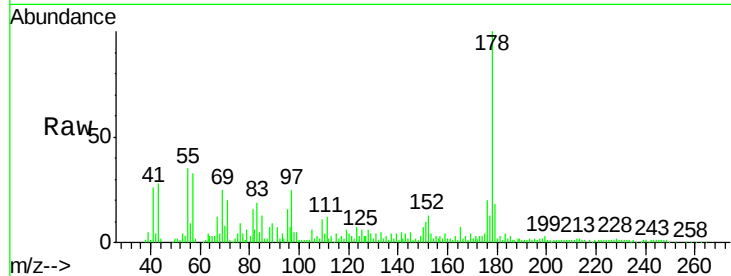
Tot Ion:178 Resp: 84022

Ion Ratio Lower Upper

178 100

176 19.8 15.7 23.5

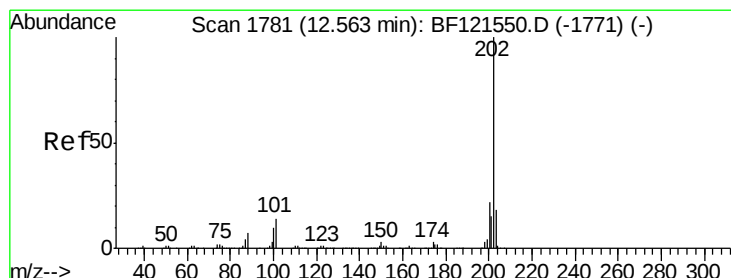
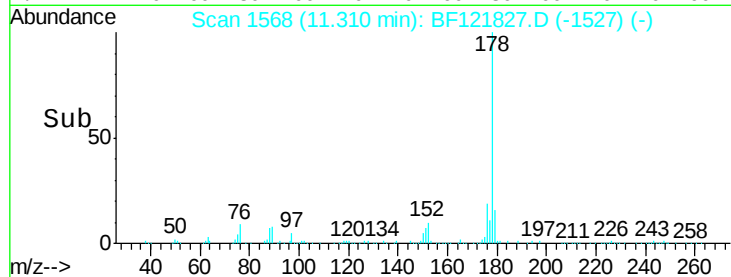
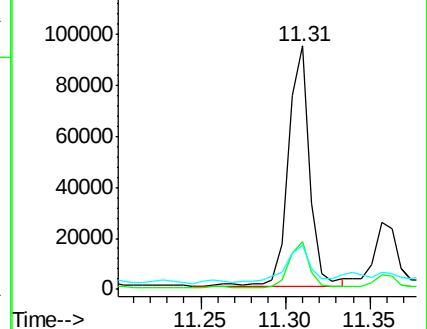
179 18.1 12.7 19.1



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: 6.922 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

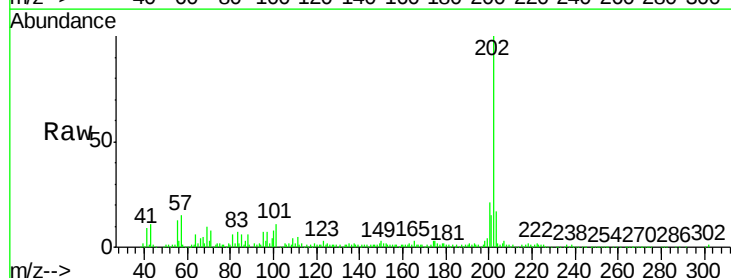
Tgt Ion:202 Resp: 134497

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.4

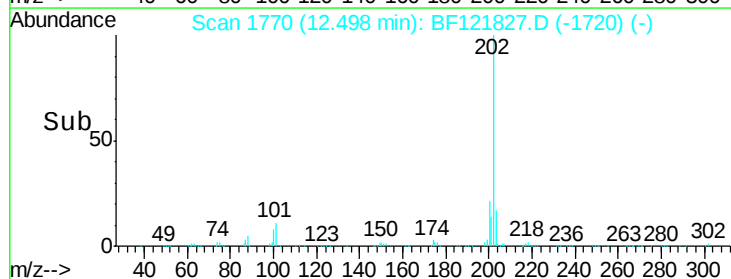
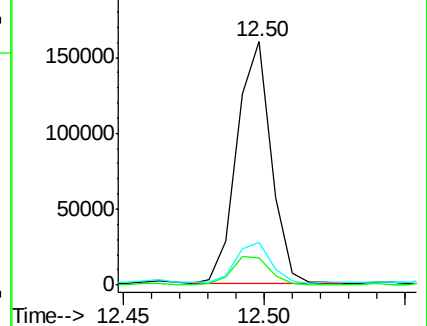
203 17.3 0.0 37.9

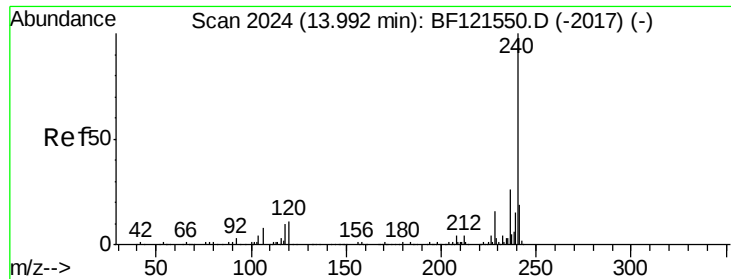


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

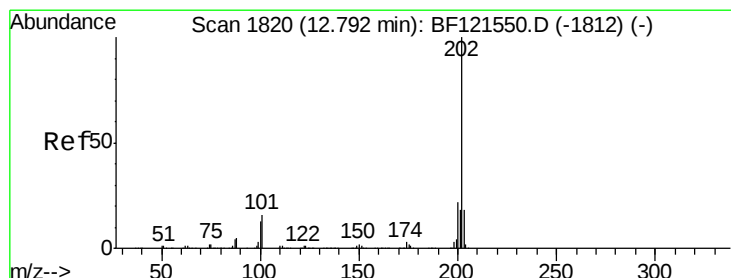
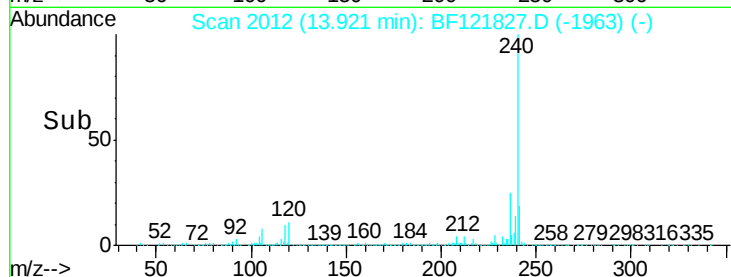
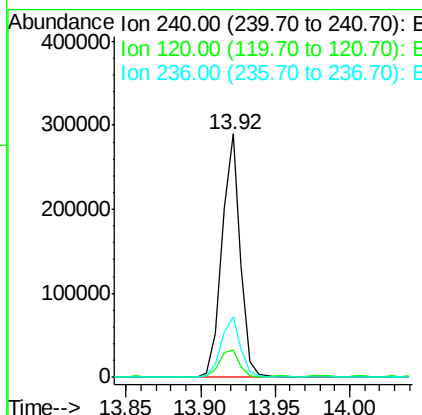
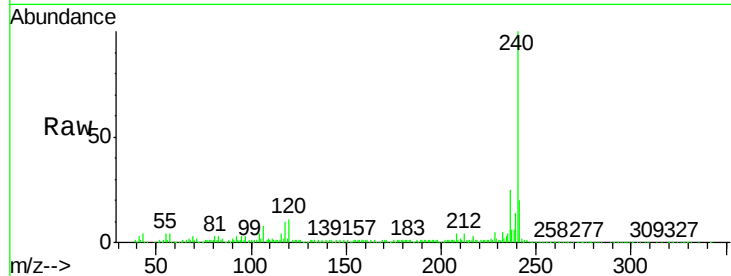




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

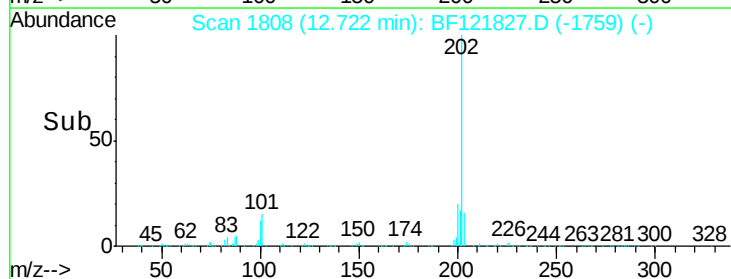
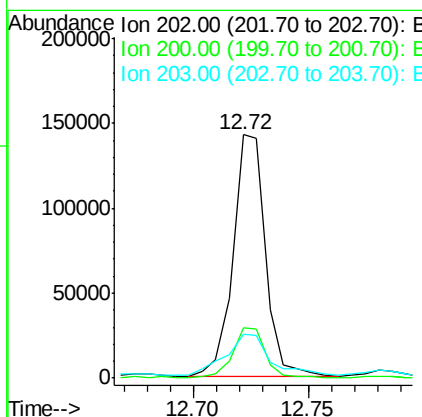
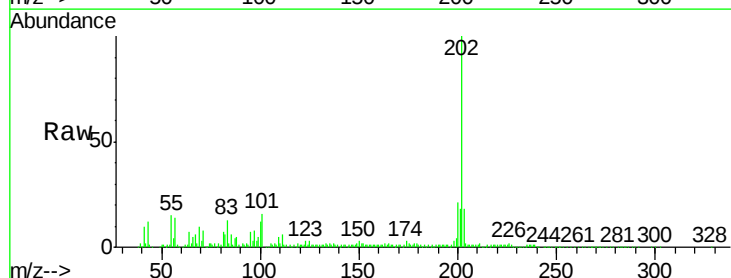
Instrument :
BNA_F
ClientSampleId :
B-19(4-5)

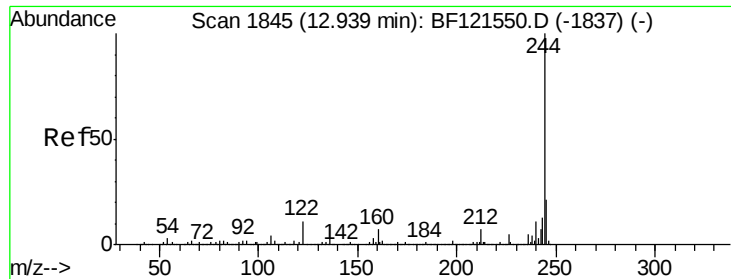
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.2	13.8
236	24.9	20.9	31.3



#78
Pyrene
Concen: 7.628 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	18.1	14.6	21.8





#79

Terphenyl-d14

Concen: 54.381 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

Instrument :

BNA_F

ClientSampleId :

B-19(4-5)

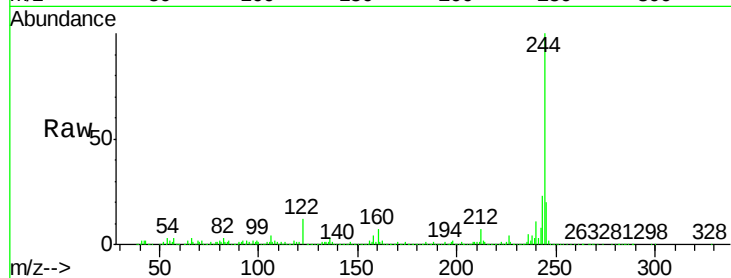
Tot Ion:244 Resp: 667598

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 11.6 8.1 12.1

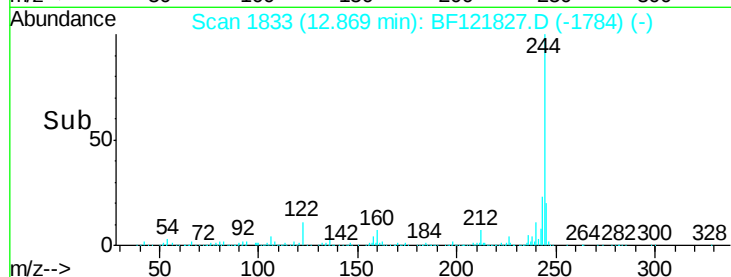


Abundance Ion 244.00 (243.70 to 244.70): E

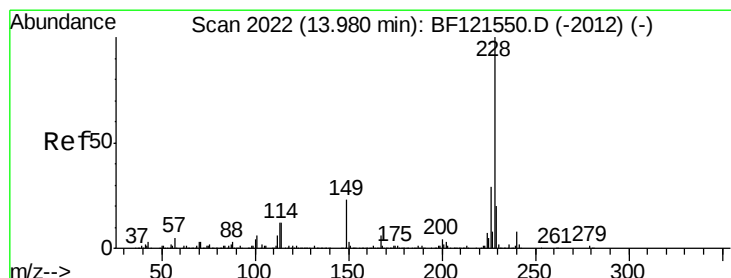
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#81

Benzo(a)anthracene

Concen: 4.560 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF121827.D

Acq: 5 Oct 2020 20:20

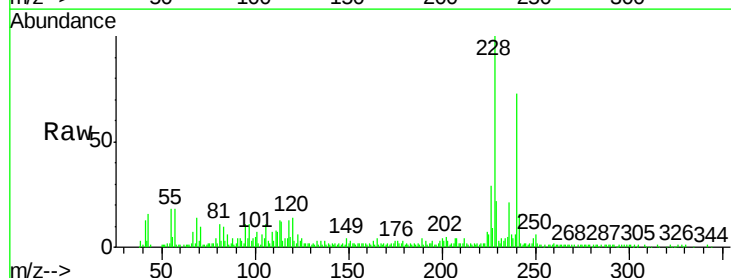
Tgt Ion:228 Resp: 71751

Ion Ratio Lower Upper

228 100

226 29.1 22.3 33.5

229 21.8 16.2 24.4

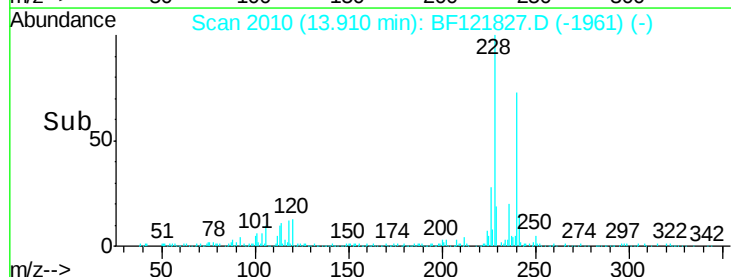


Abundance Ion 228.00 (227.70 to 228.70): E

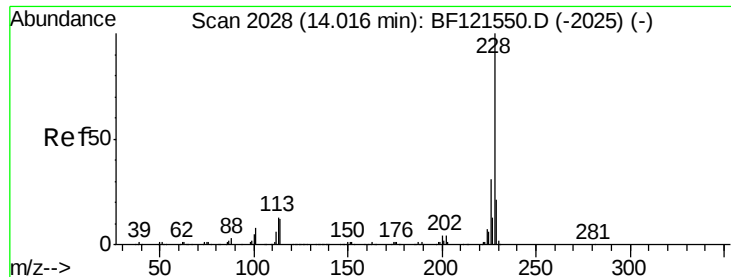
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



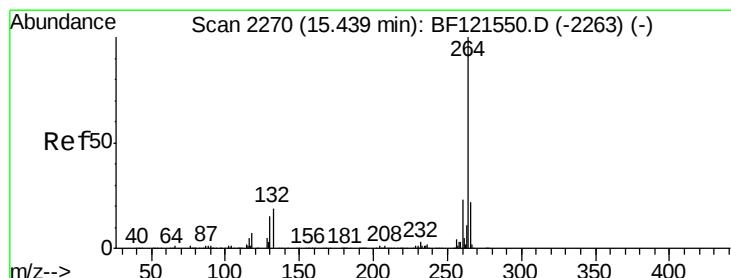
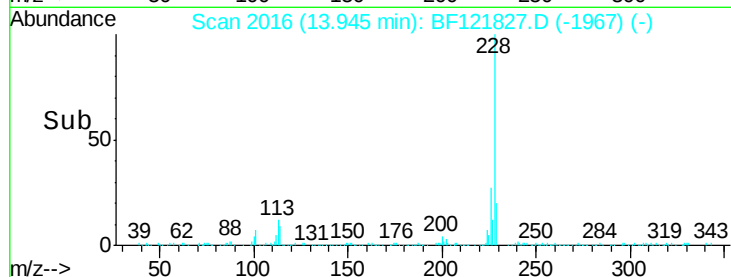
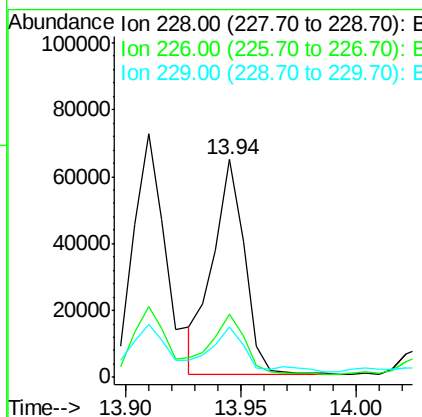
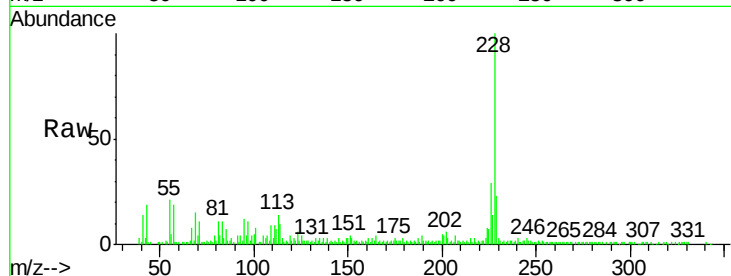
Time-->



#83
Chrysene
Concen: 3.849 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

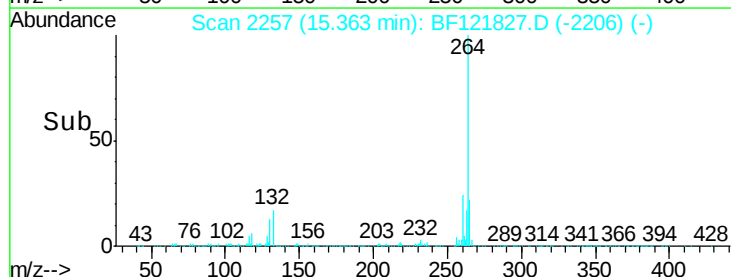
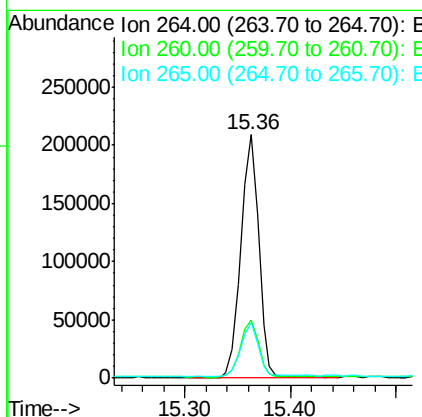
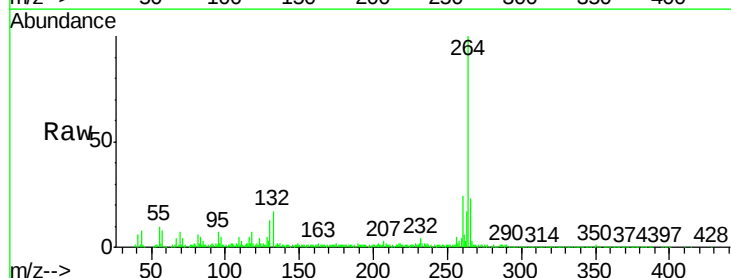
Instrument :
BNA_F
ClientSampleId :
B-19(4-5)

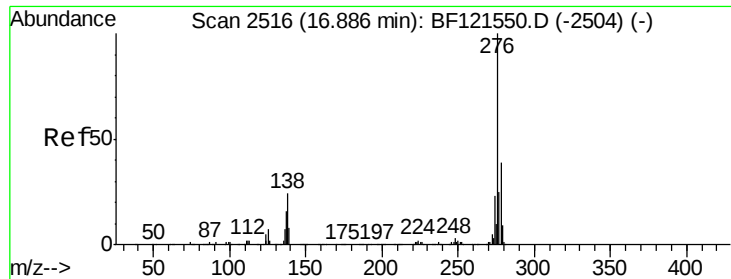
Tot Ion:228 Resp: 61333
Ion Ratio Lower Upper
228 100
226 29.0 24.6 37.0
229 23.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

Tgt Ion:264 Resp: 242594
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.8 17.3 25.9

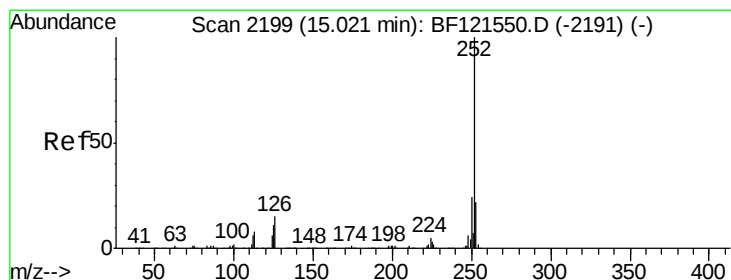
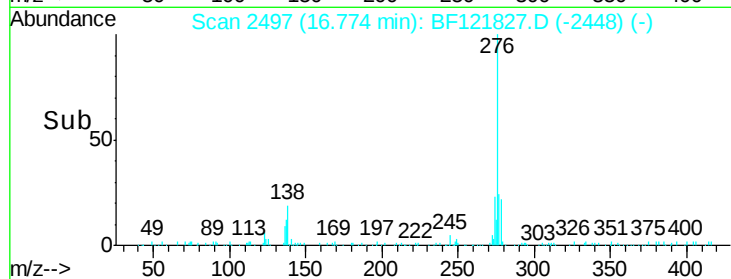
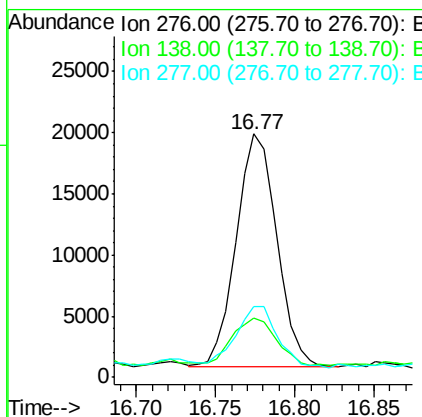
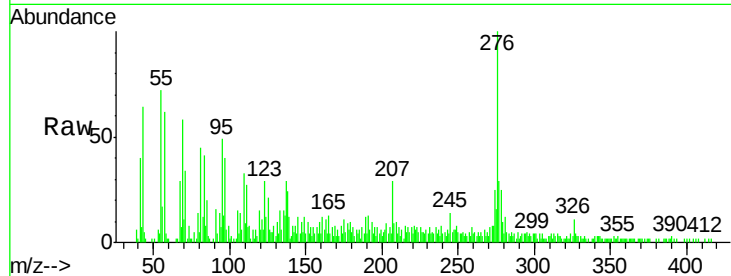




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.138 ng
 RT: 16.77 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BF121827.D
 Acq: 5 Oct 2020 20:20

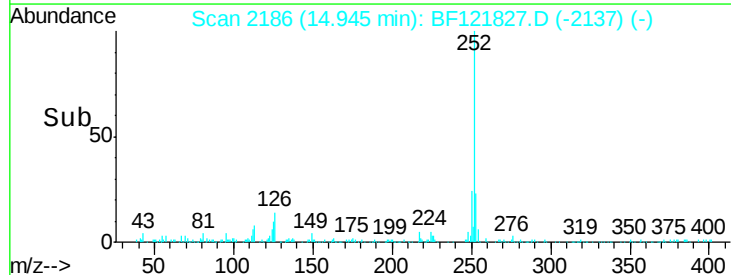
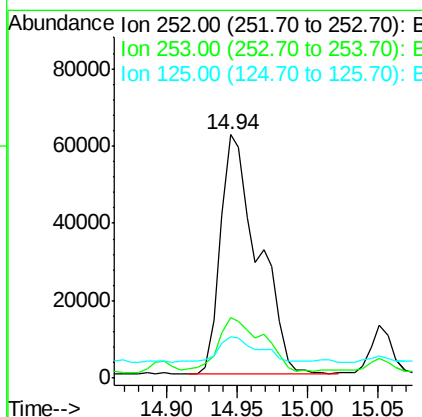
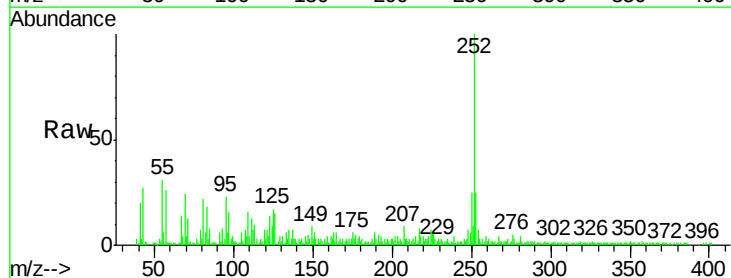
Instrument :
 BNA_F
 ClientSampleId :
 B-19(4-5)

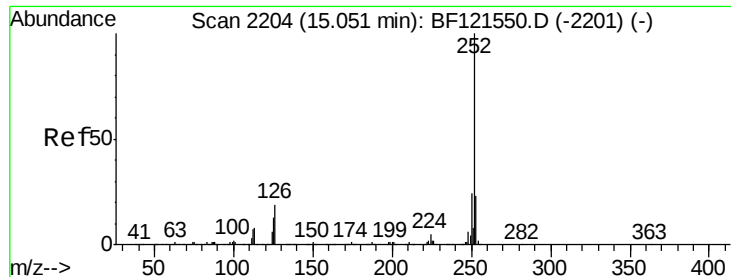
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	19.9	29.9
277	27.3	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 7.146 ng
 RT: 14.94 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF121827.D
 Acq: 5 Oct 2020 20:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	16.9	8.0	12.0

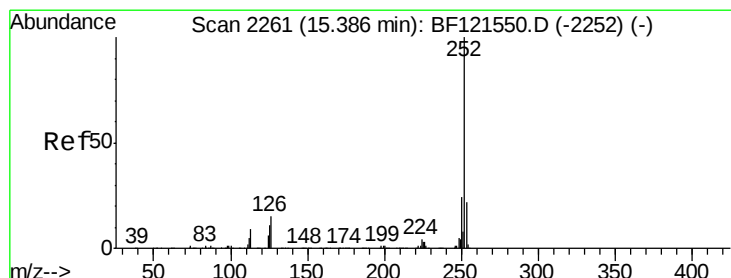
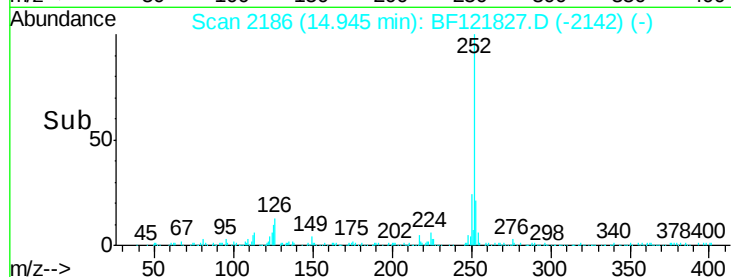
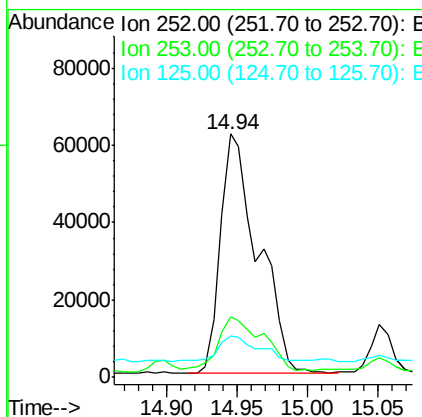
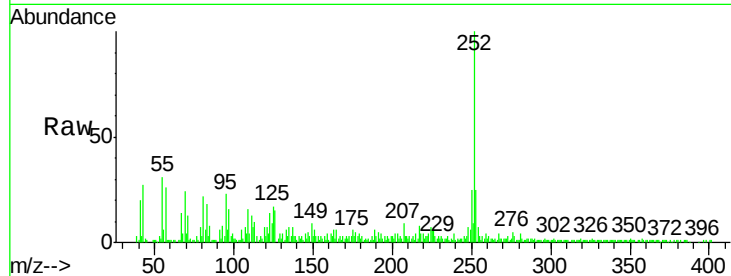




#89
Benzo(k)fluoranthene
Concen: 7.804 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

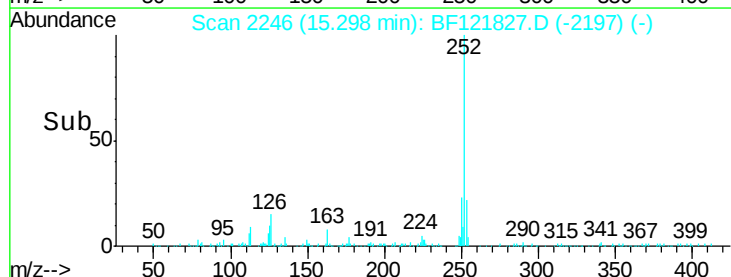
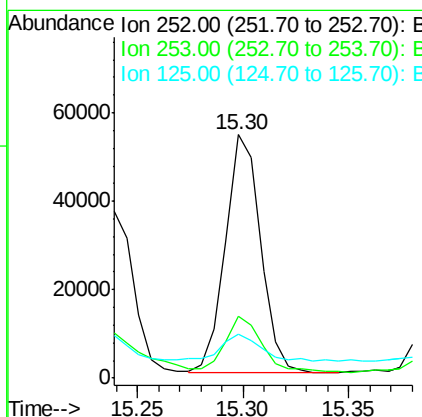
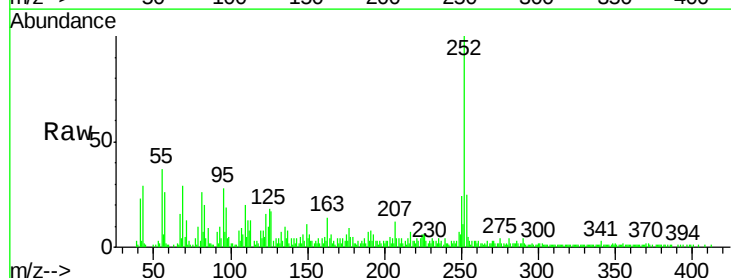
Instrument :
BNA_F
ClientSampleId :
B-19(4-5)

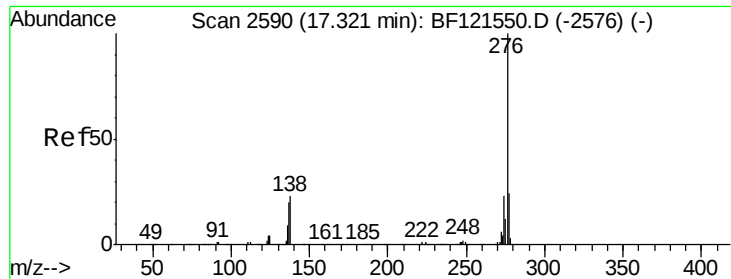
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	16.9	7.7	11.5



#90
Benzo(a)pyrene
Concen: 4.516 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121827.D
Acq: 5 Oct 2020 20:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.3	25.9
125	18.1	8.6	13.0

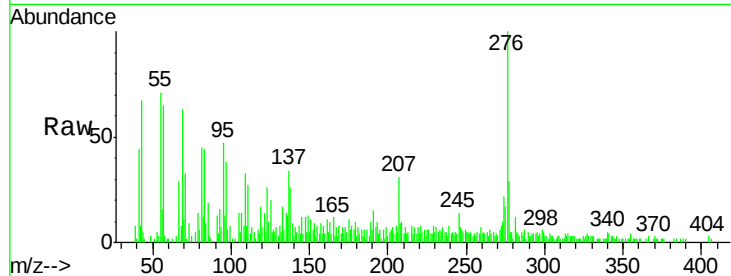




#92
 Benzo(a,h,i)perylene
 Concen: 2.621 ng
 RT: 17.20 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF121827.D
 Acq: 5 Oct 2020 20:20

Instrument :
 BNA_F
 ClientSampleId :
 B-19(4-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.6	19.4	29.2
138	26.5	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

