

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121138.D
 Acq On : 30 Jul 2020 20:18
 Operator : JU/CG
 Sample : L3436-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7

Quant Time: Jul 31 00:32:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	141170	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	546336	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	282728	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	509849	20.00	ng	0.00
76) Chrysene-d12	13.97	240	348527	20.00	ng	0.00
86) Perylene-d12	15.42	264	368806	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	133875	15.55	ng	-0.01
7) Phenol-d6	6.43	99	174906	15.72	ng	-0.02
23) Nitrobenzene-d5	7.36	82	99770	10.57	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	31267	10.10	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	221716	11.71	ng	0.00
79) Terphenyl-d14	12.91	244	202401	12.62	ng	0.00

Target Compounds

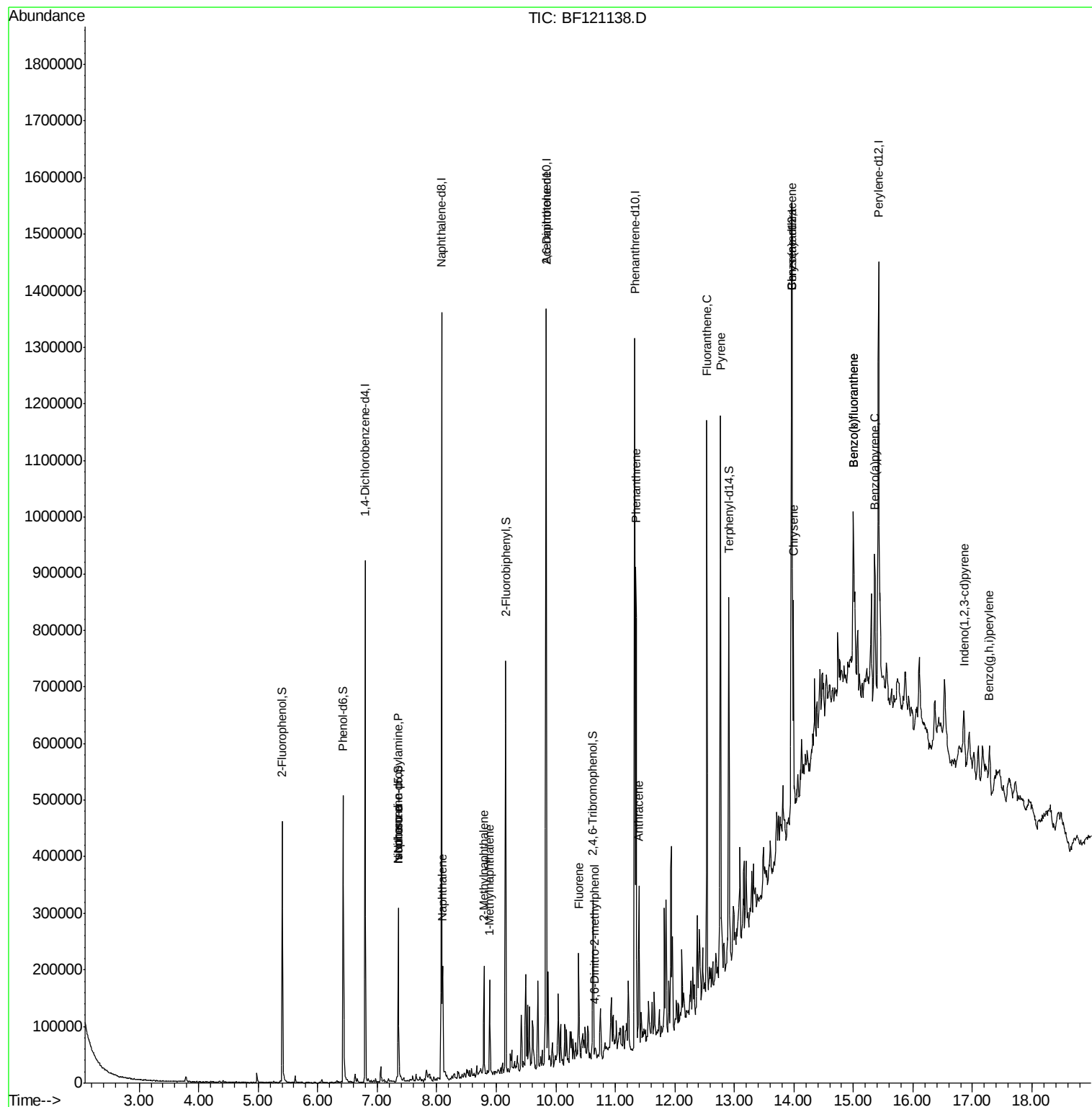
						Qvalue
9) Benzaldehyde	6.35	77	234	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.36	70	12778	2.020 ng	#	80
25) Isophorone	7.36	82	96717	5.133 ng	#	62
31) Naphthalene	8.10	128	77805	2.776 ng		98
37) 2-Methylnaphthalene	8.79	142	46023	2.529 ng		96
38) 1-Methylnaphthalene	8.89	142	38928	2.259 ng		99
51) 2,6-Dinitrotoluene	9.84	165	38723	8.837 ng	#	27
58) Fluorene	10.39	166	52565	2.806 ng		98
65) 4,6-Dinitro-2-methylphenol	10.65	198	230	3.914 ng	#	1
71) Phenanthrene	11.35	178	307537	11.728 ng		99
72) Anthracene	11.40	178	100199	3.805 ng		98
75) Fluoranthene	12.54	202	391521	13.471 ng		100
78) Pvrene	12.77	202	396470	16.090 ng		98
81) Benzo(a)anthracene	13.96	228	157829	7.478 ng		96
83) Chrysene	13.99	228	157186	7.087 ng		97
87) Indeno(1,2,3-cd)pyrene	16.86	276	62465	2.435 ng		97
88) Benzo(b)fluoranthene	15.00	252	214022	9.600 ng	#	93
89) Benzo(k)fluoranthene	15.00	252	214022	10.527 ng	#	94
90) Benzo(a)pvrene	15.36	252	126338	6.212 ng	#	94
92) Benzo(a,h,i)perylene	17.29	276	56756	2.747 ng	#	93

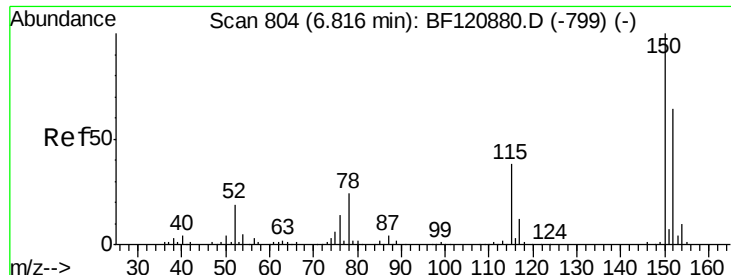
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121138.D
Acq On : 30 Jul 2020 20:18
Operator : JU/CG
Sample : L3436-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
7

Quant Time: Jul 31 00:32:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 14:55:43 2020
Response via : Initial Calibration



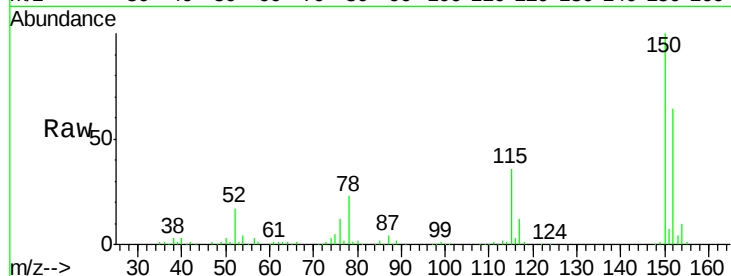


#1

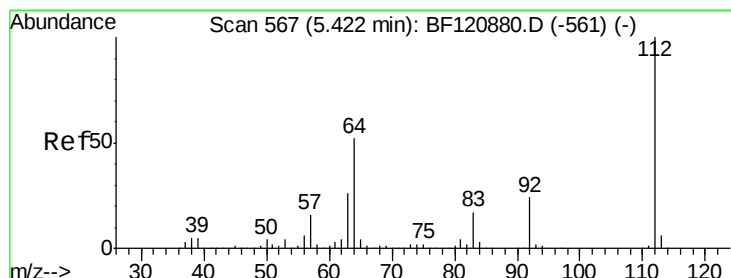
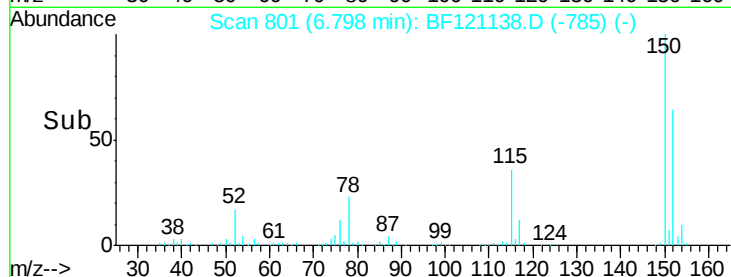
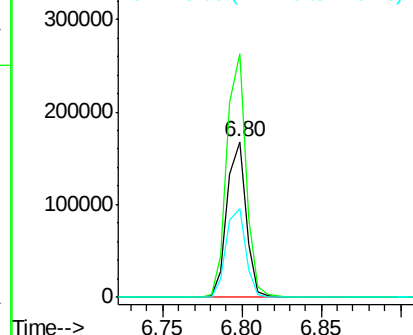
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Instrument :
BNA_F
ClientSampleId :
7

Tot Ion:152 Resp: 141170
Ion Ratio Lower Upper
152 100
150 156.1 125.6 188.4
115 56.5 46.2 69.2



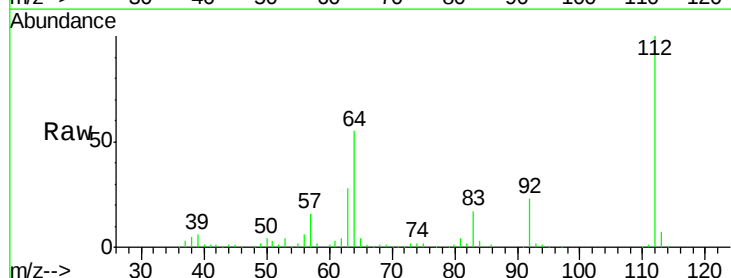
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



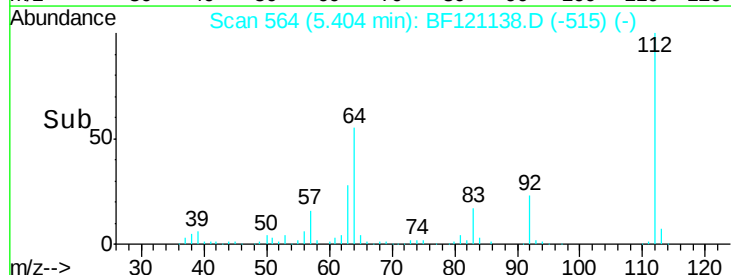
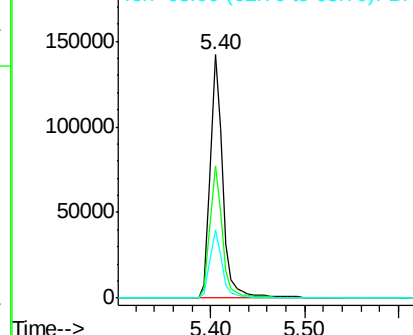
#5

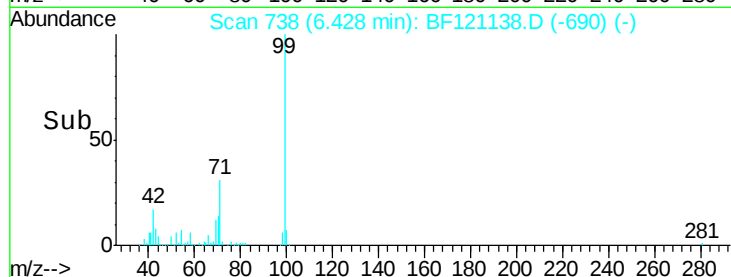
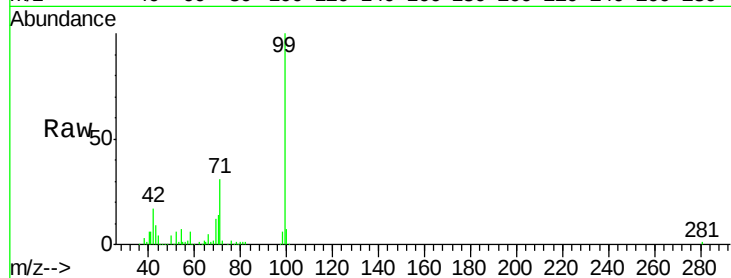
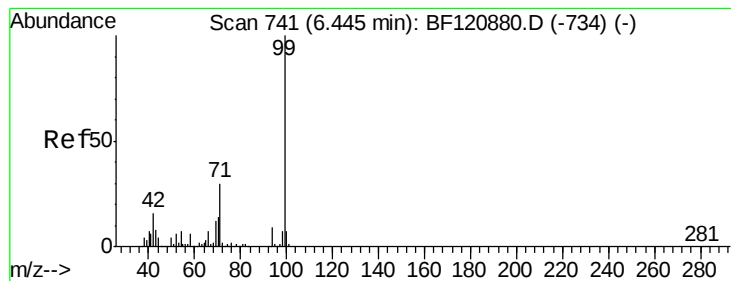
2-Fluorophenol
Concen: 15.546 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion:112 Resp: 133875
Ion Ratio Lower Upper
112 100
64 54.6 43.9 65.9
63 27.9 22.7 34.1



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: 15.724 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Instrument :

BNA_F

ClientSampleId :

7

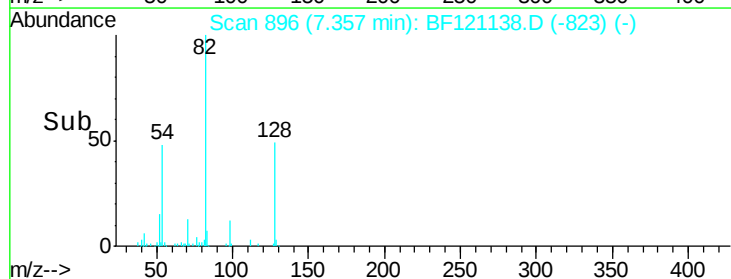
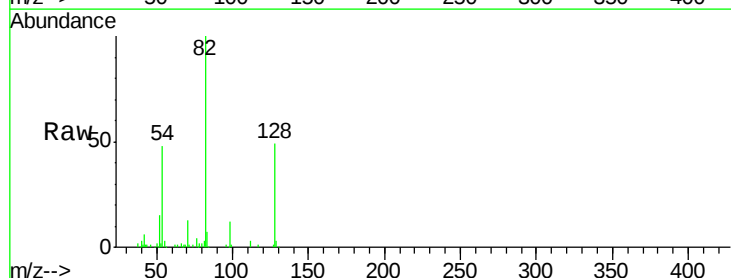
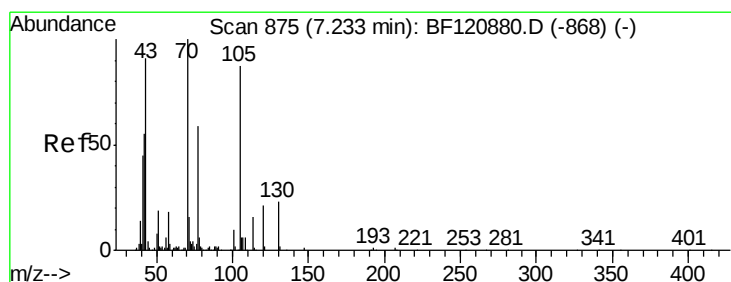
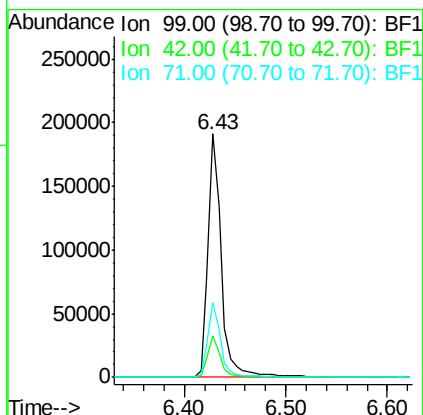
Tot Ion: 99 Resp: 174906

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

71 30.7 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.020 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Tgt Ion: 70 Resp: 12778

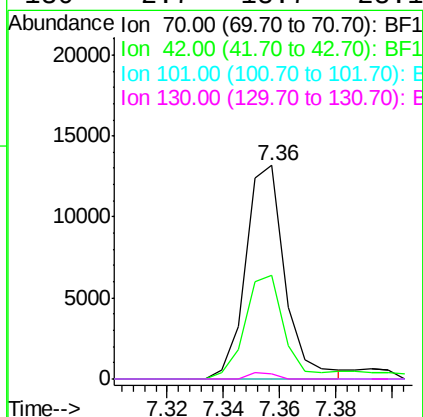
Ion Ratio Lower Upper

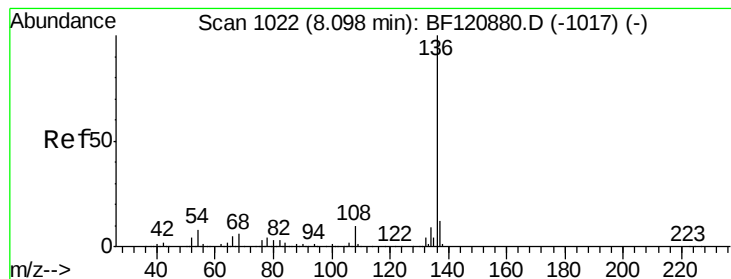
70 100

42 48.3 43.3 64.9

101 0.0 8.4 12.6#

130 2.7 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Instrument :

BNA_F

ClientSampleId :

7

Tot Ion:136 Resp: 546336

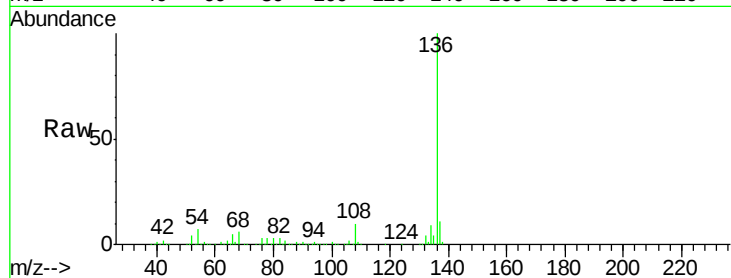
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.2 6.1 9.1

68 5.9 5.0 7.6

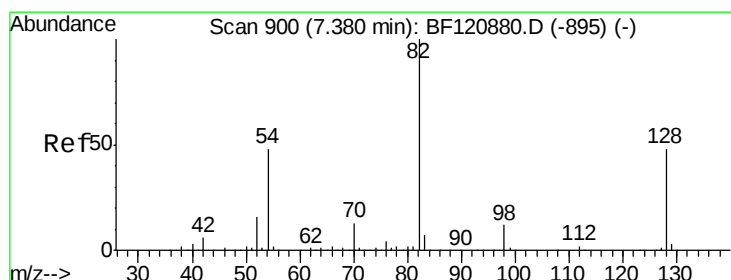
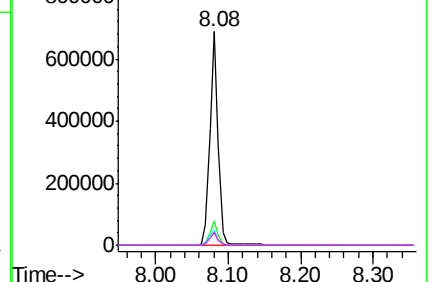
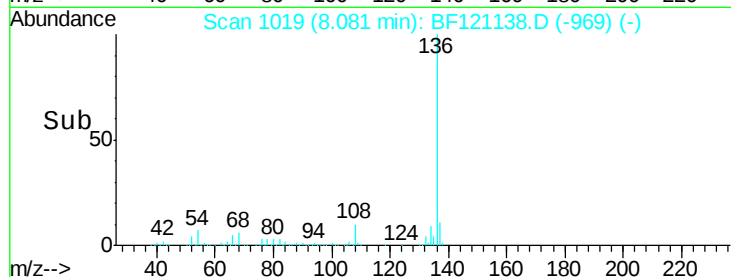


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.567 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

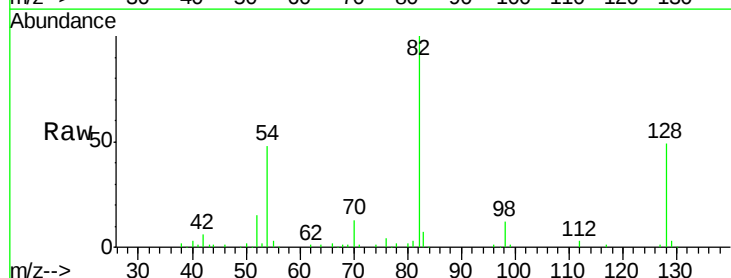
Tgt Ion: 82 Resp: 99770

Ion Ratio Lower Upper

82 100

128 48.7 39.2 58.8

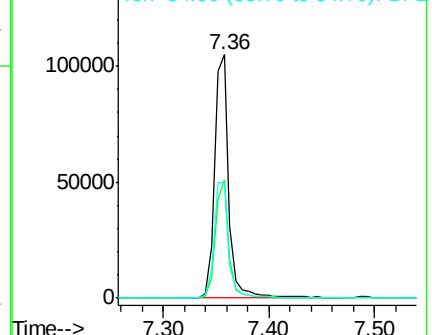
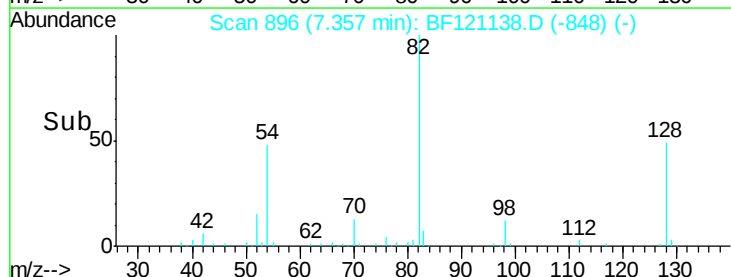
54 47.6 37.8 56.8

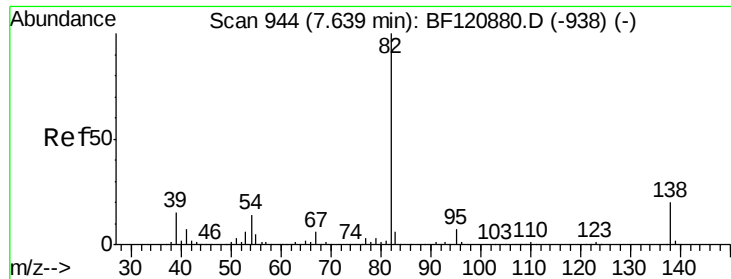


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 5.133 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Instrument :

BNA_F

ClientSampleId :

7

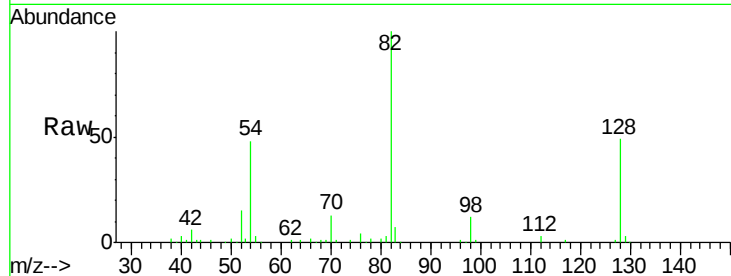
Tot Ion: 82 Resp: 96717

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

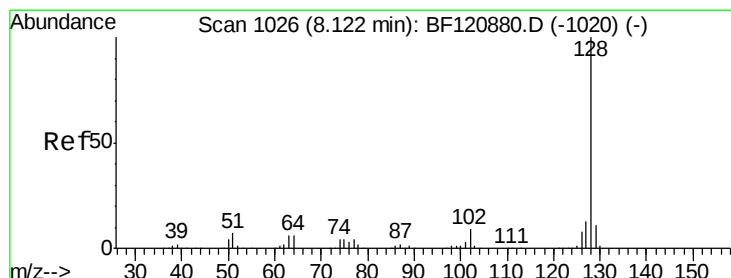
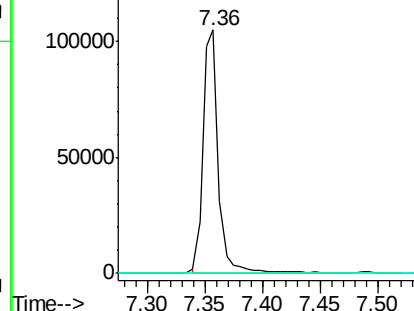
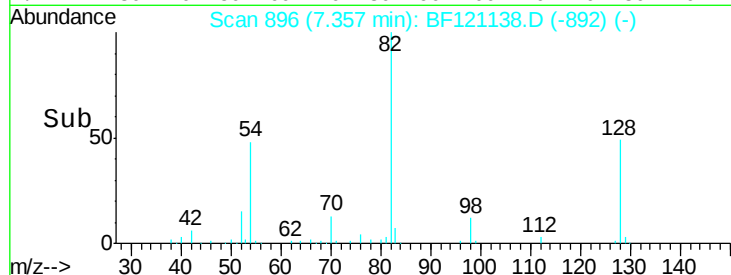
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 2.776 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

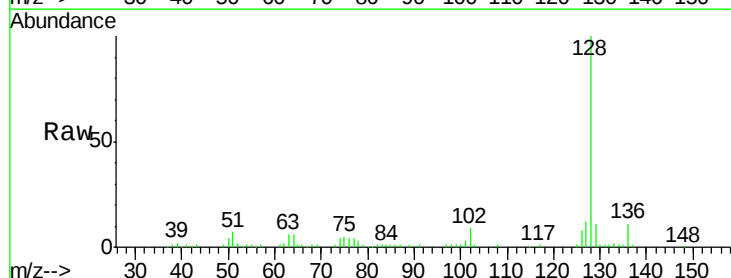
Tgt Ion: 128 Resp: 77805

Ion Ratio Lower Upper

128 100

129 10.9 9.3 13.9

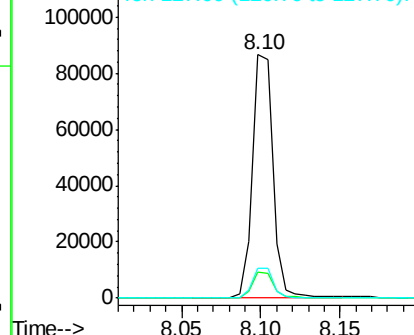
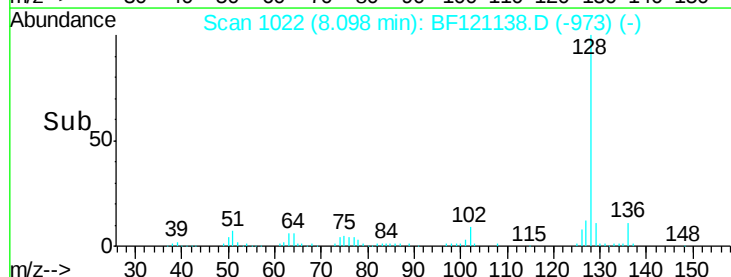
127 12.4 10.8 16.2

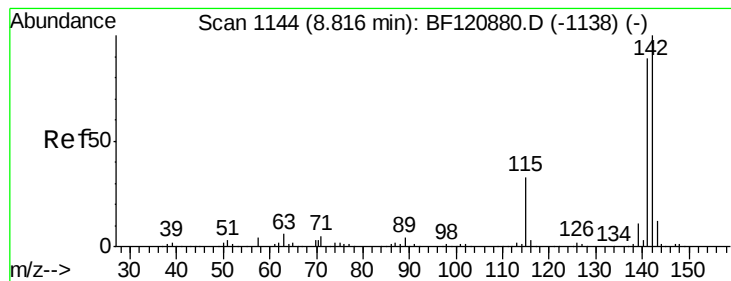


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 2.529 ng

RT: 8.79 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Instrument :

BNA_F

ClientSampleId :

7

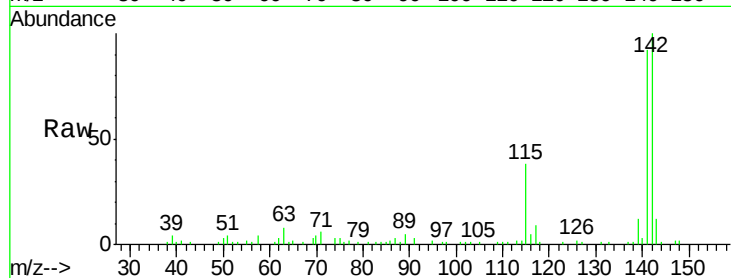
Tot Ion:142 Resp: 46023

Ion Ratio Lower Upper

142 100

141 91.5 70.6 105.8

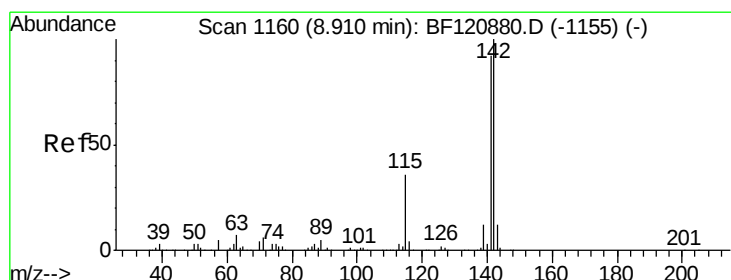
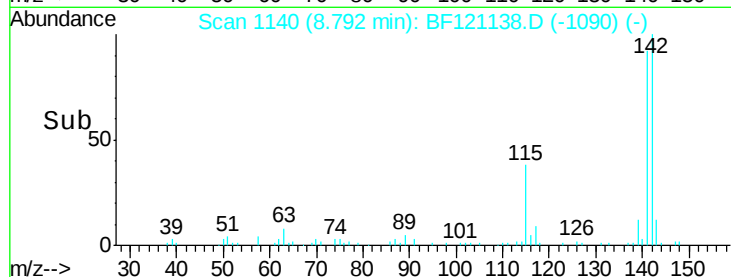
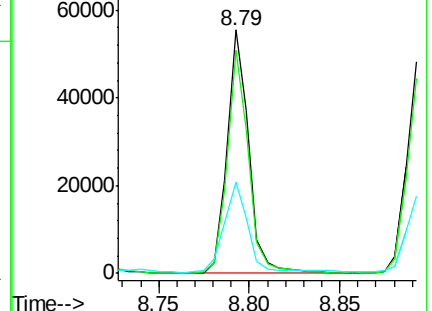
115 37.8 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 2.259 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

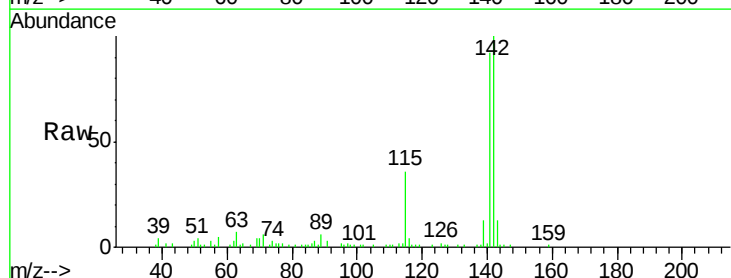
Tgt Ion:142 Resp: 38928

Ion Ratio Lower Upper

142 100

141 92.0 73.0 109.6

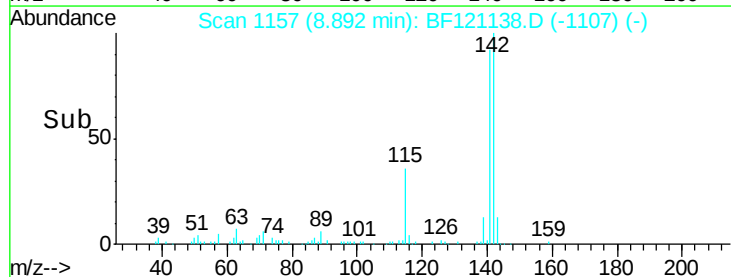
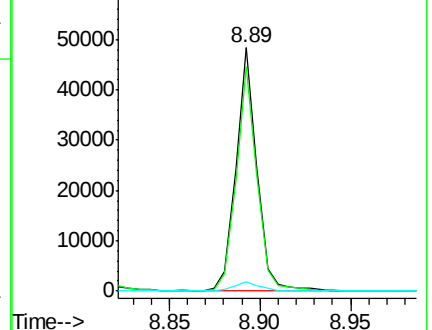
116 3.8 3.0 4.6

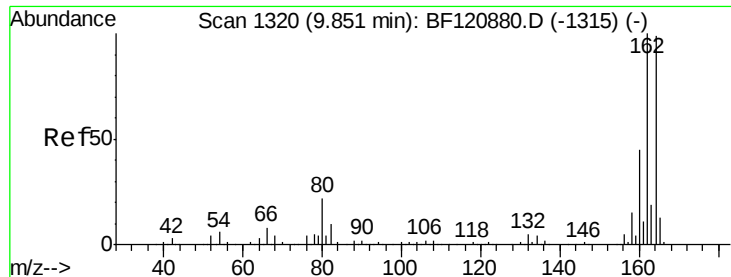


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

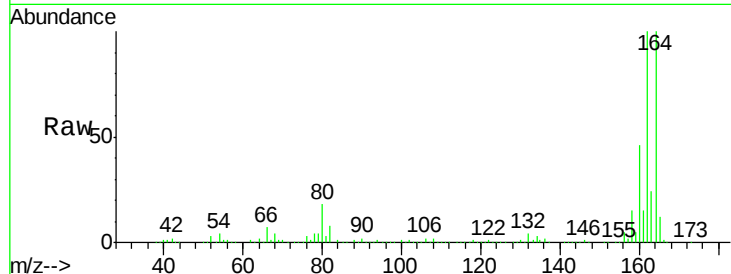




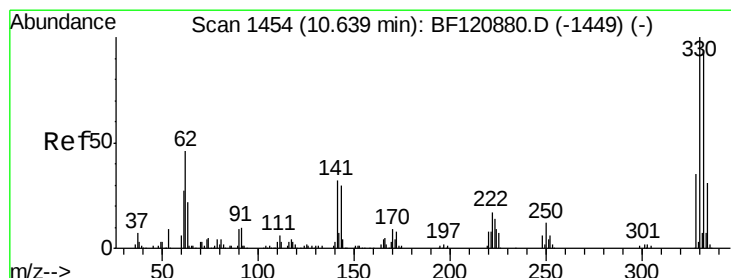
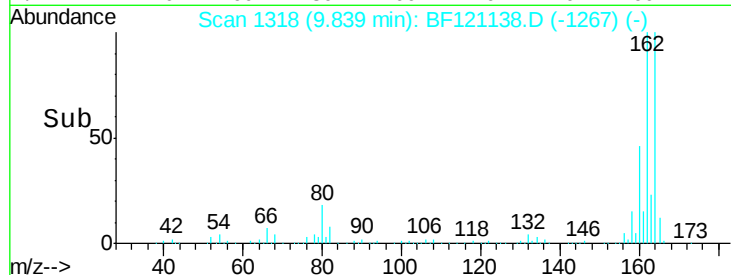
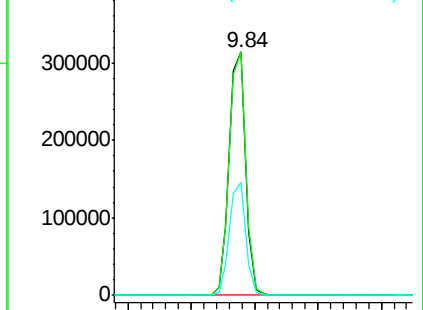
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Instrument :
BNA_F
ClientSampleId :
7

Tot Ion:164 Resp: 282728
Ion Ratio Lower Upper
164 100
162 100.0 82.2 123.2
160 46.2 37.2 55.8

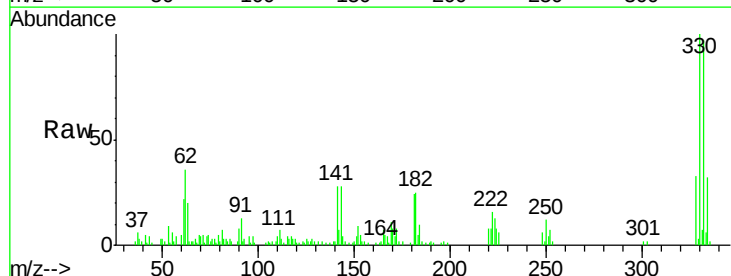


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

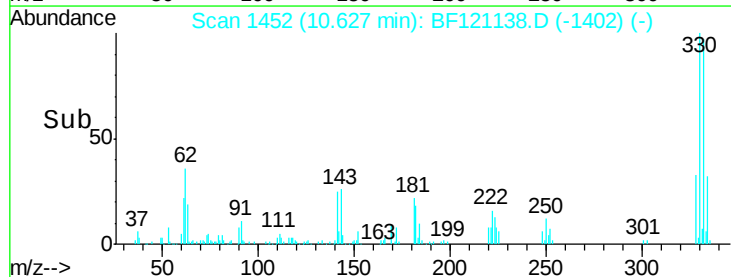
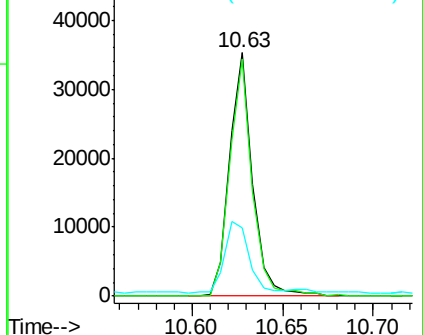


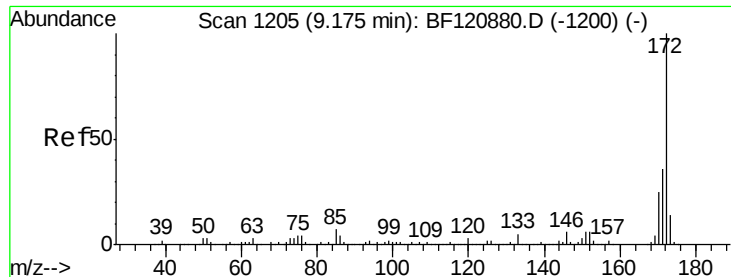
#42
2,4,6-Tribromophenol
Concen: 10.103 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion:330 Resp: 31267
Ion Ratio Lower Upper
330 100
332 96.0 76.1 114.1
141 30.9 24.1 36.1



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

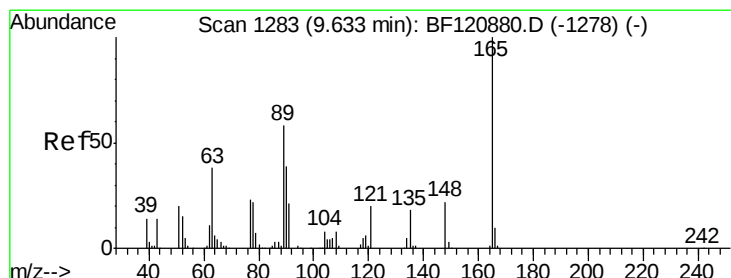
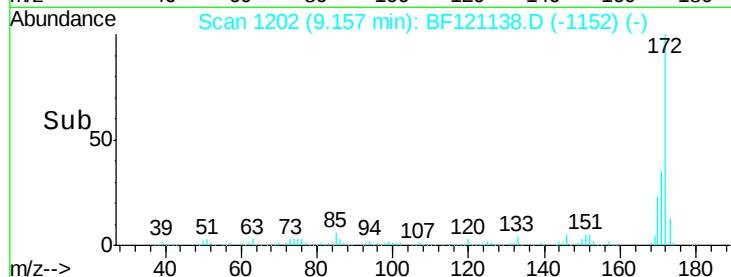
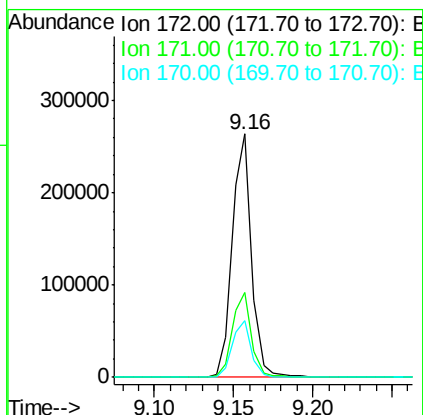
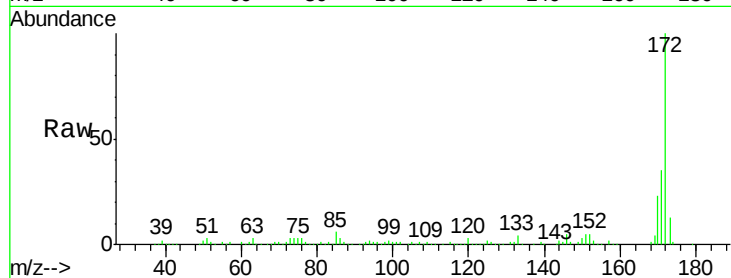




#45
 2-Fluorobiphenyl
 Concen: 11.708 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

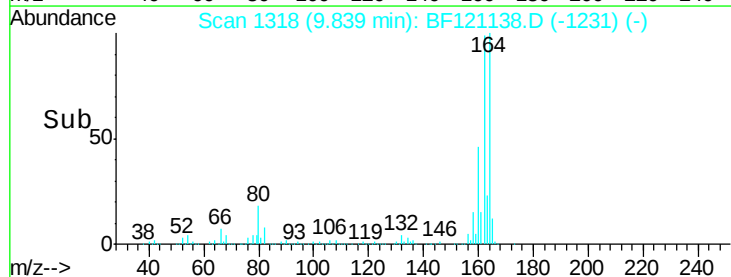
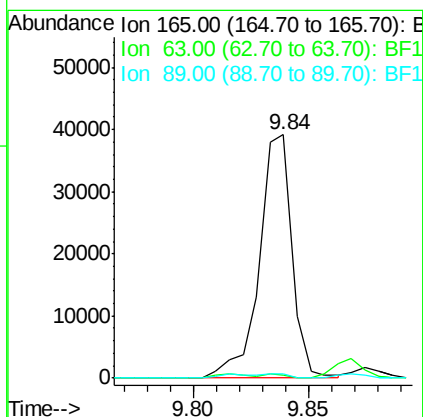
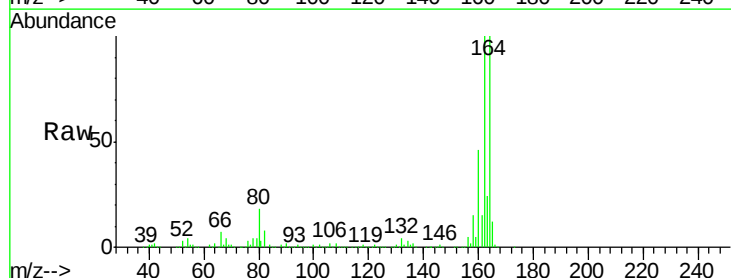
Instrument :
 BNA_F
 ClientSampleId :
 7

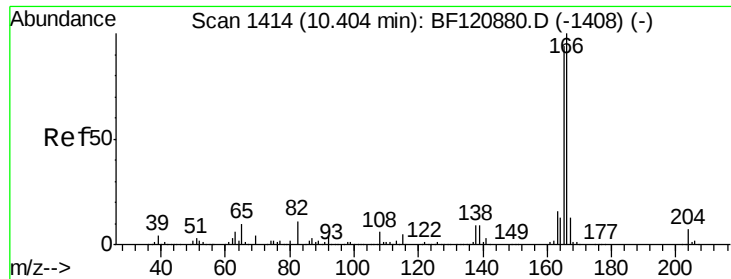
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.4
170	23.5	19.6	29.4



#51
 2,6-Dinitrotoluene
 Concen: 8.837 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.1	61.7#
89	1.8	43.5	65.3#

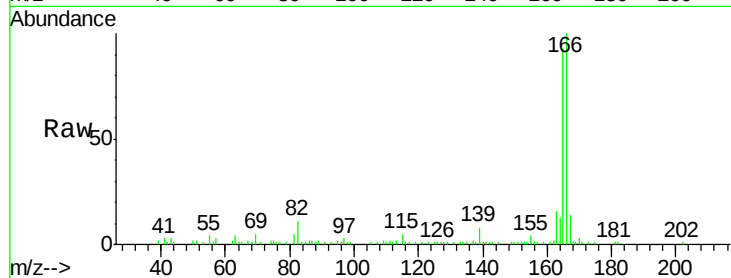




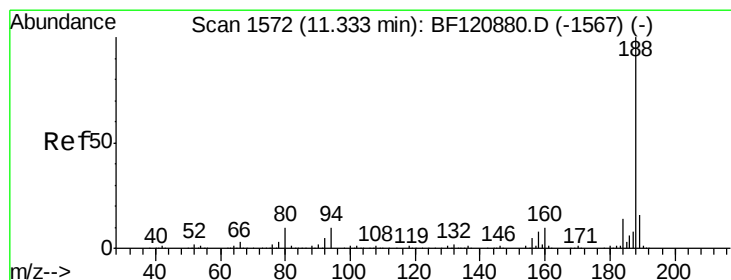
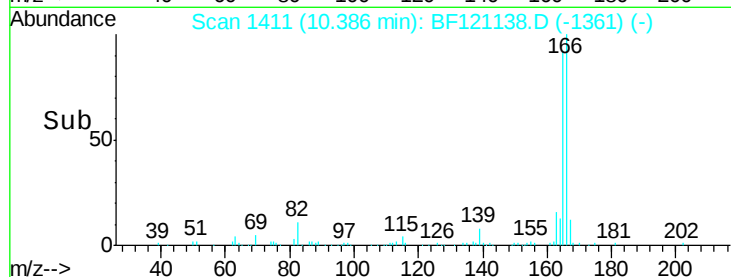
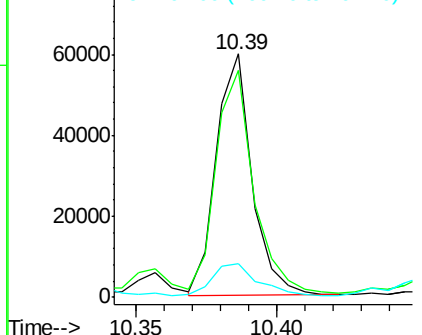
#58
 Fluorene
 Concen: 2.806 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :
 7

Tot Ion:166 Resp: 52565
 Ion Ratio Lower Upper
 166 100
 165 93.3 76.4 114.6
 167 14.1 10.7 16.1

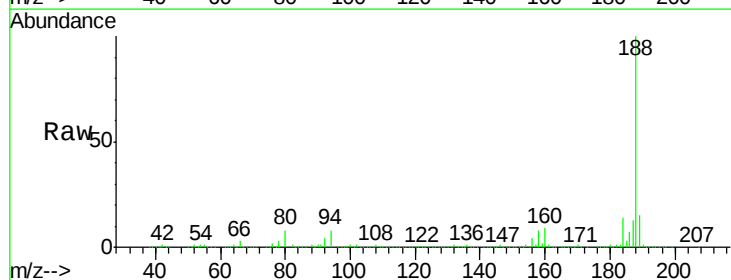


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

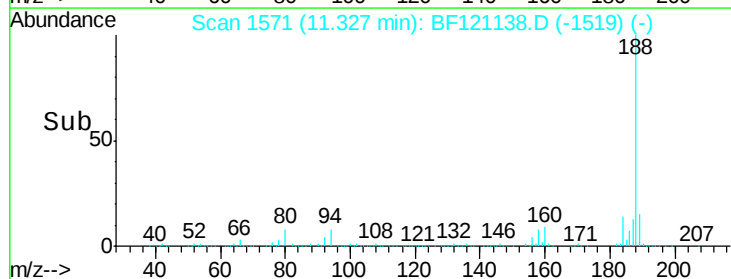
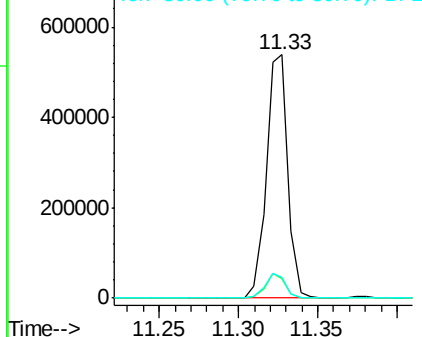


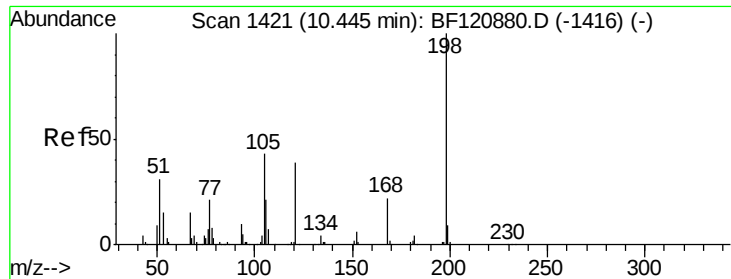
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Tgt Ion:188 Resp: 509849
 Ion Ratio Lower Upper
 188 100
 94 8.2 8.0 12.0
 80 8.5 8.3 12.5



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: 3.914 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.21 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Instrument :

BNA_F

ClientSampleId :

7

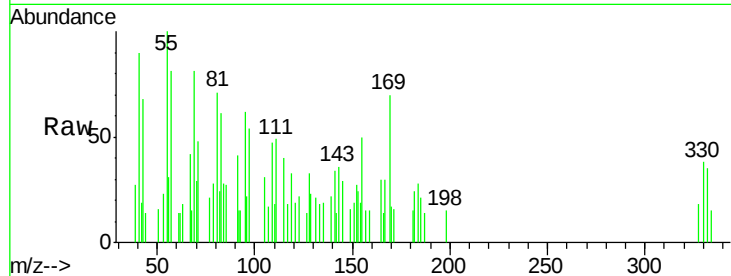
Tot Ion:198 Resp: 230

Ion Ratio Lower Upper

198 100

51 107.1 23.4 63.4#

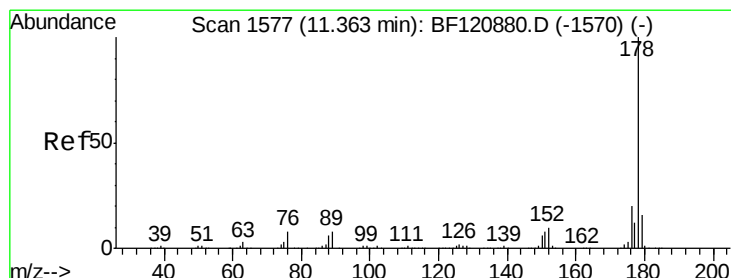
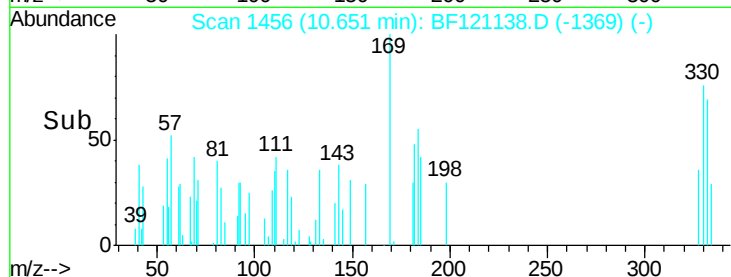
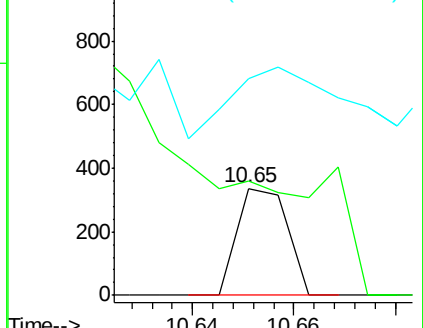
105 202.7 23.7 63.7#



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



#71

Phenanthrene

Concen: 11.728 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

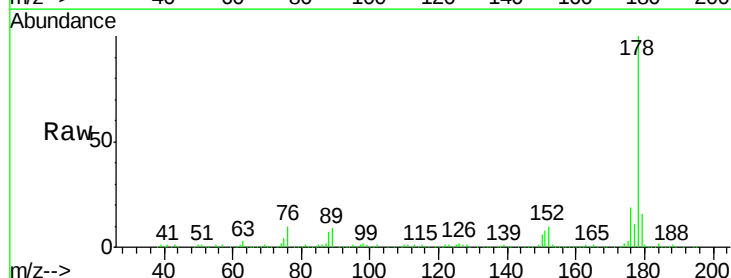
Tgt Ion:178 Resp: 307537

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.2

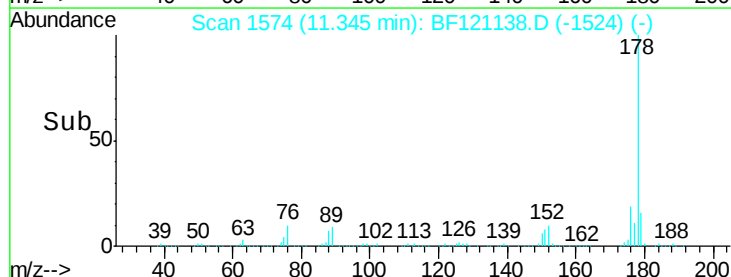
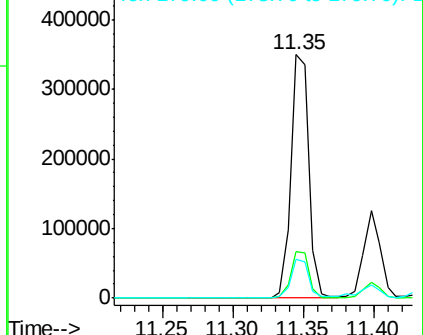
179 16.1 12.6 19.0

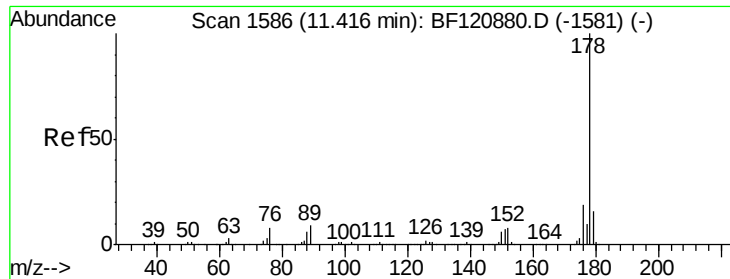


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.805 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Instrument :

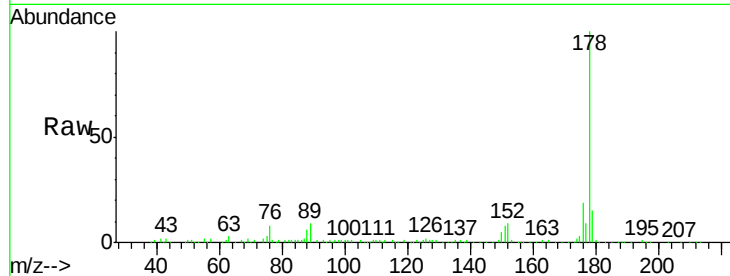
BNA_F

ClientSampleId :

7

Tot Ion:178 Resp: 100199

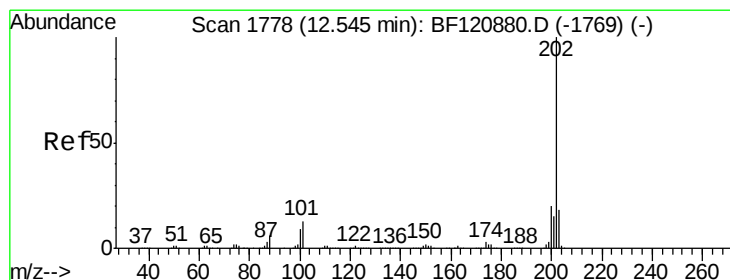
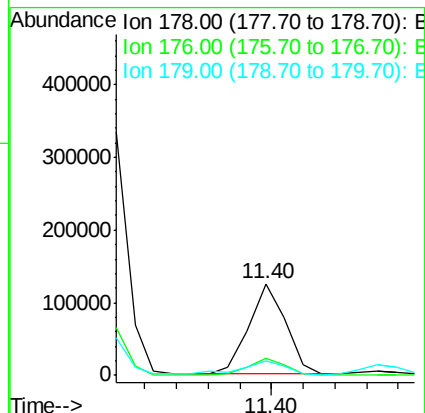
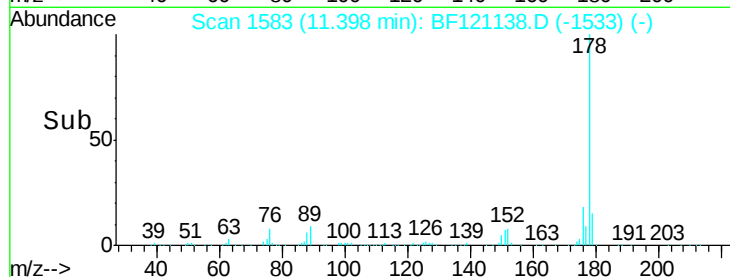
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.2	12.6	19.0



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: 13.471 ng

RT: 12.54 min Scan# 1777

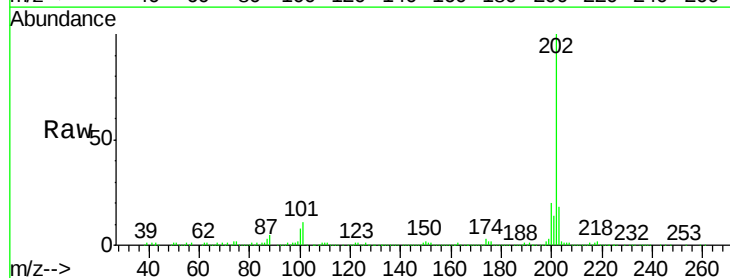
Delta R.T. -0.00 min

Lab File: BF121138.D

Acq: 30 Jul 2020 20:18

Tgt Ion:202 Resp: 391521

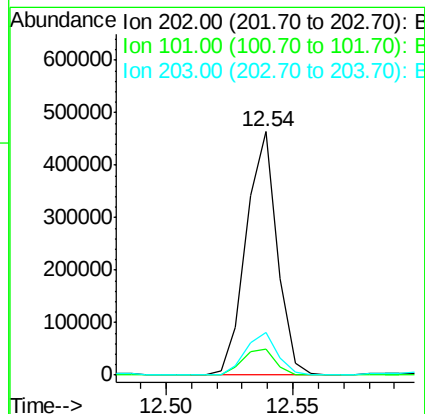
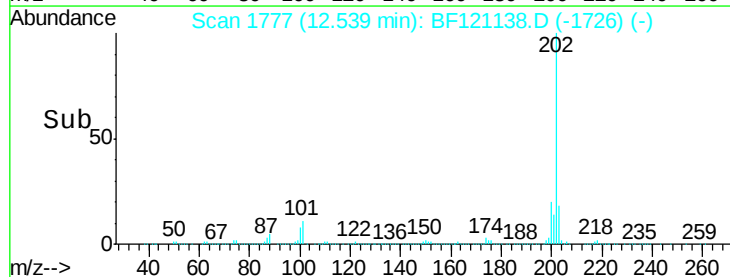
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	30.5
203	17.7	0.0	37.7

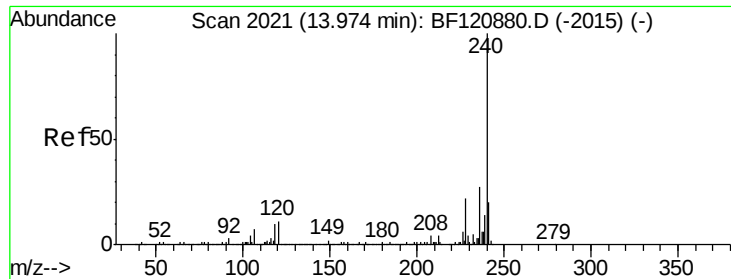


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

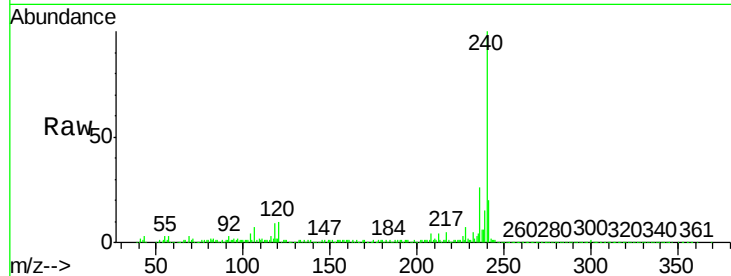




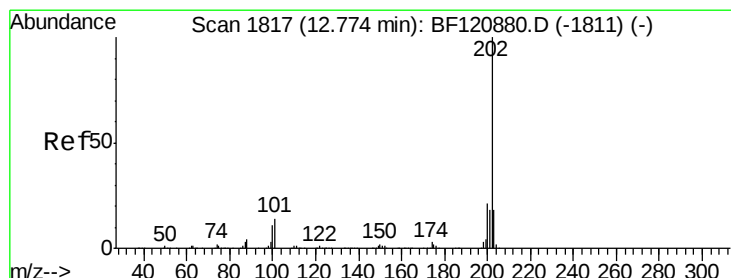
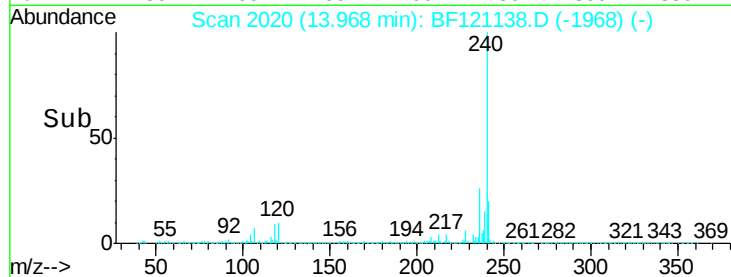
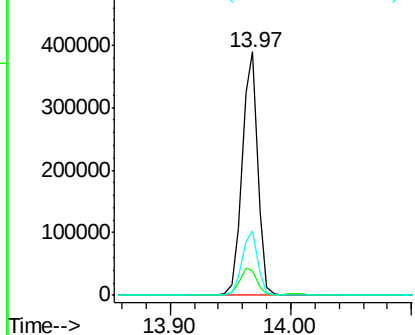
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Instrument :
BNA_F
ClientSampleId :
7

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.3	13.9
236	26.2	21.1	31.7

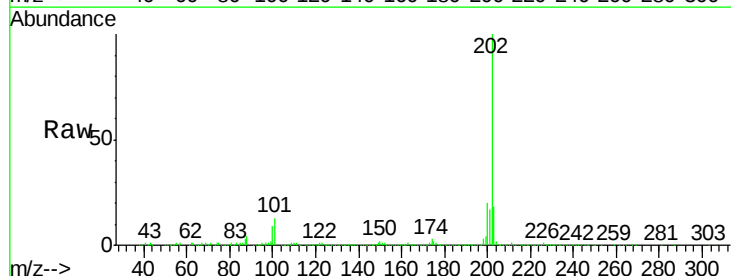


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

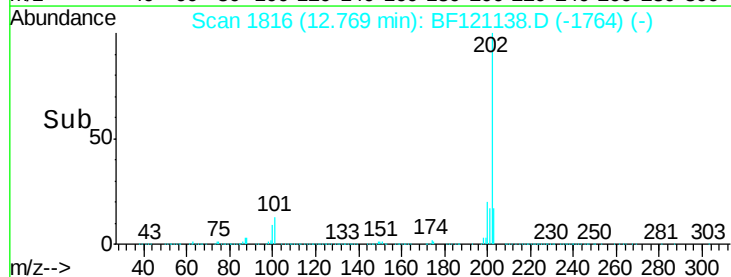
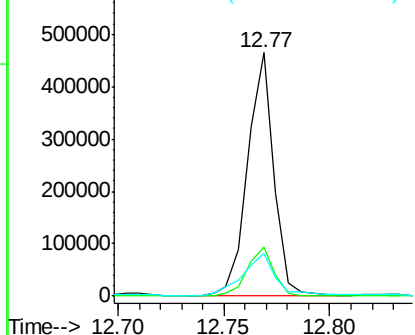


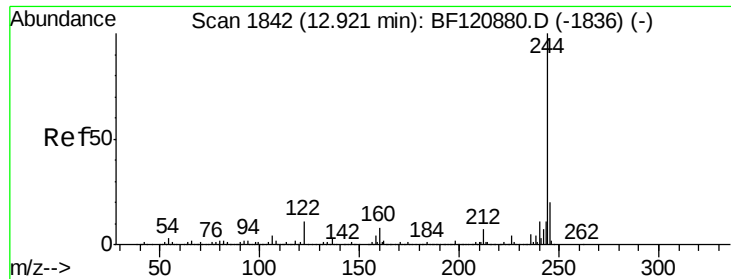
#78
Pyrene
Concen: 16.090 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.0	25.6
203	17.6	14.6	21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

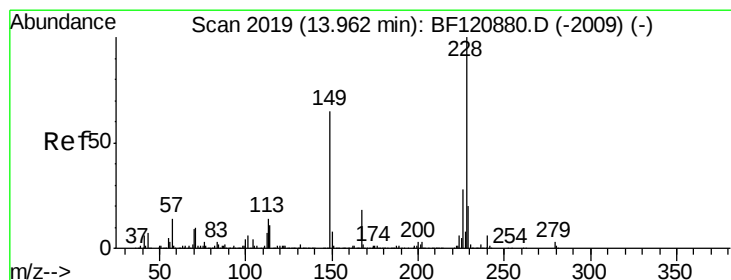
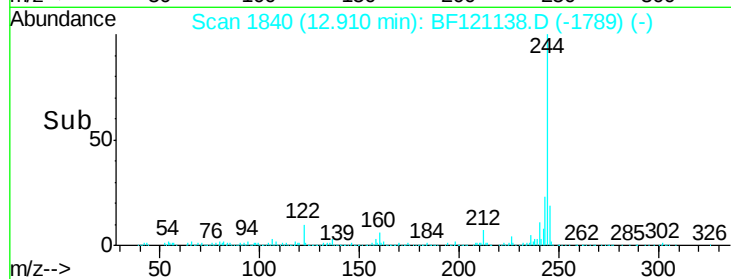
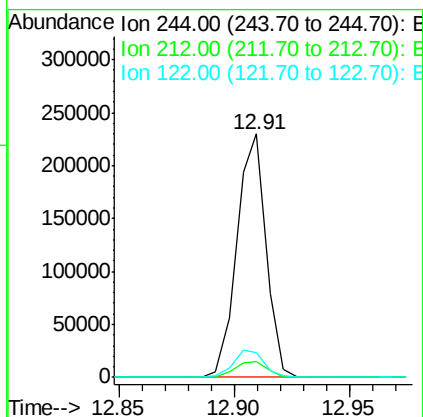
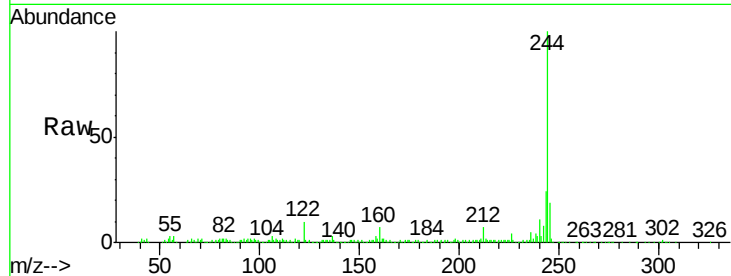




#79
 Terphenyl-d14
 Concen: 12.624 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

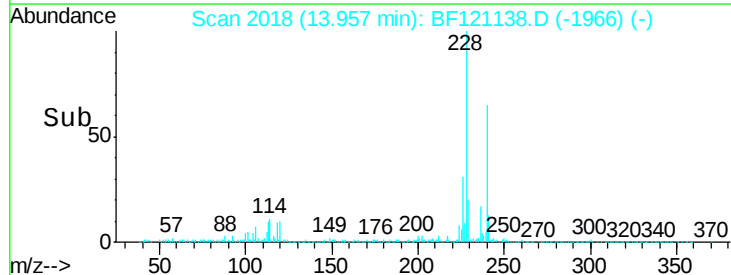
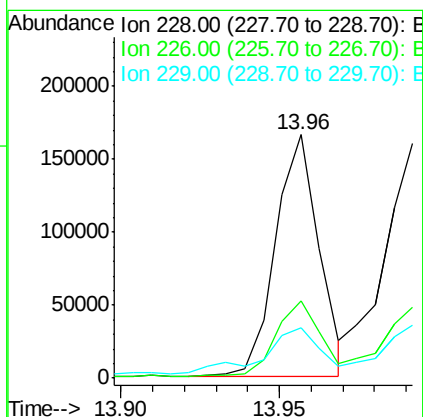
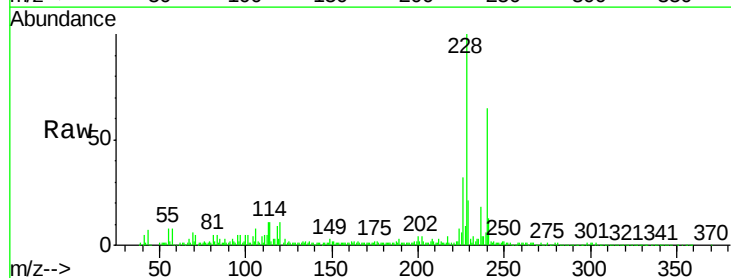
Instrument :
 BNA_F
 ClientSampleId :
 7

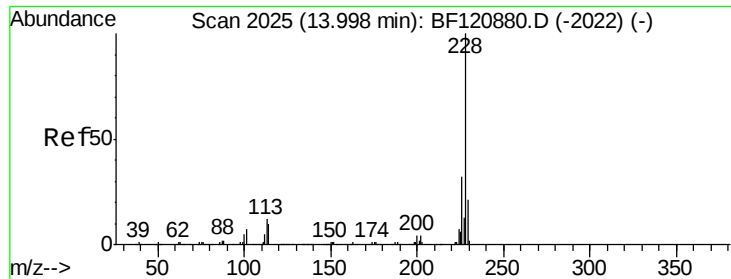
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.3	8.3	12.5



#81
 Benzo(a)anthracene
 Concen: 7.478 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	34.0
229	20.7	16.1	24.1

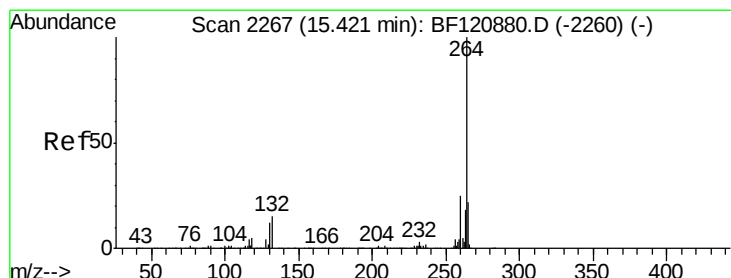
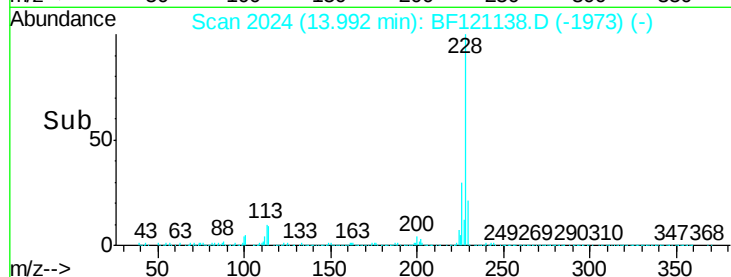
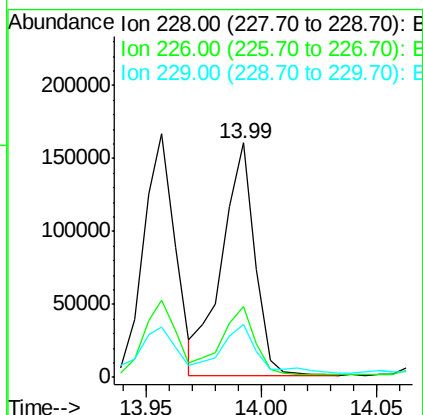
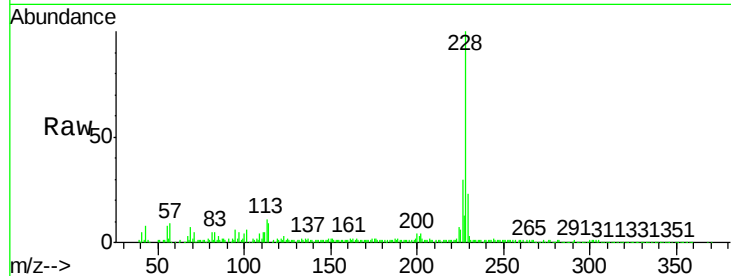




#83
Chrysene
Concen: 7.087 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

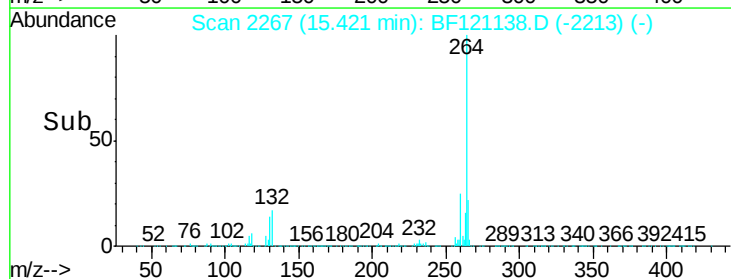
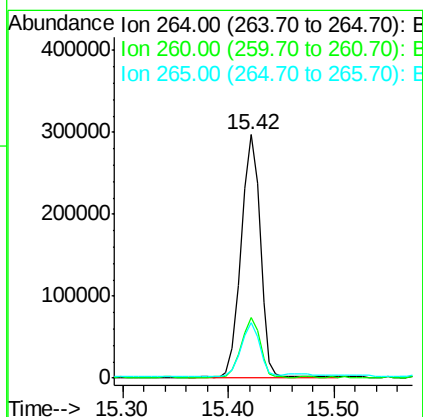
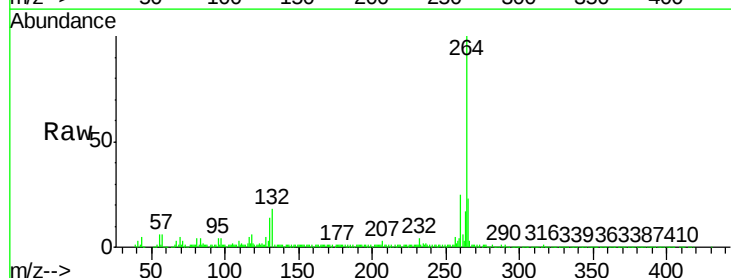
Instrument :
BNA_F
ClientSampleId :
7

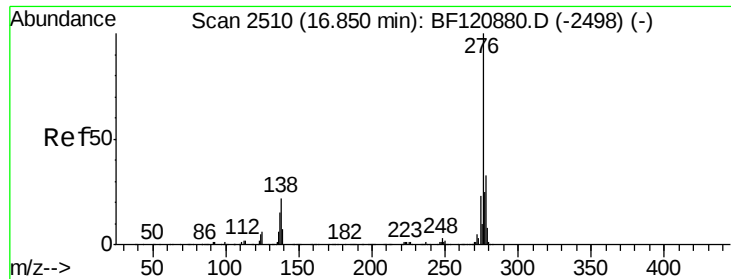
Tot Ion:228 Resp: 157186
Ion Ratio Lower Upper
228 100
226 30.4 25.4 38.0
229 22.5 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion:264 Resp: 368806
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 22.5 17.8 26.8

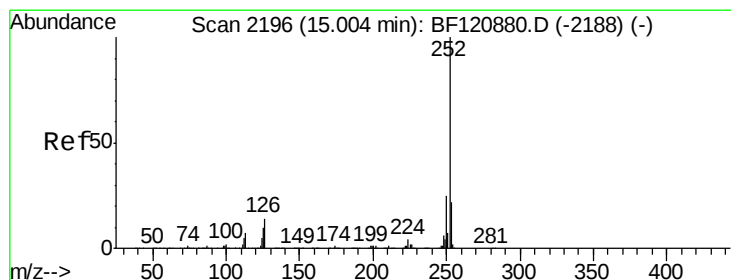
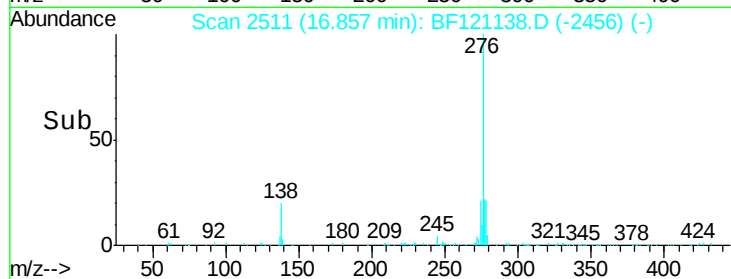
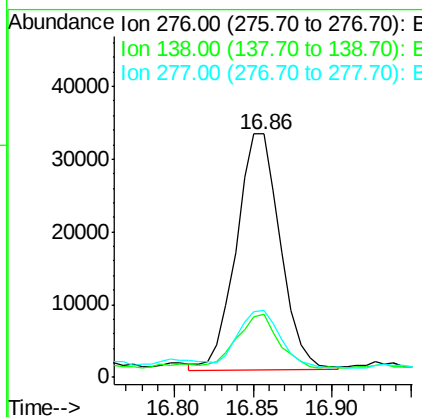
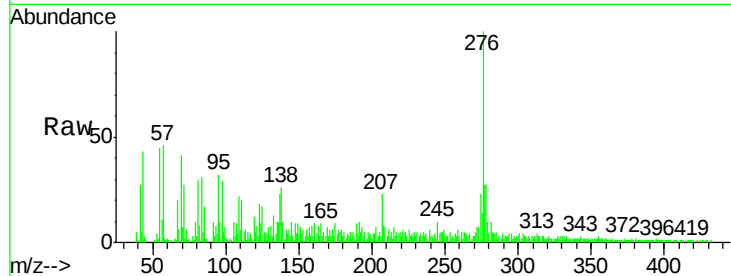




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.435 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. 0.02 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

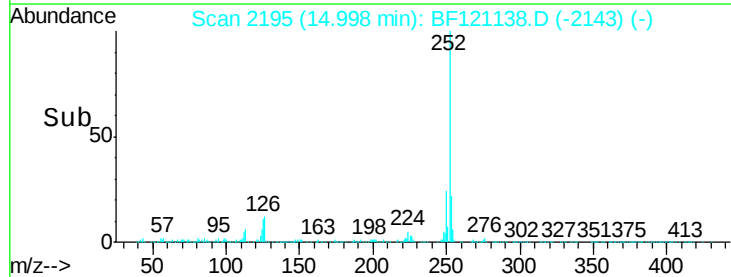
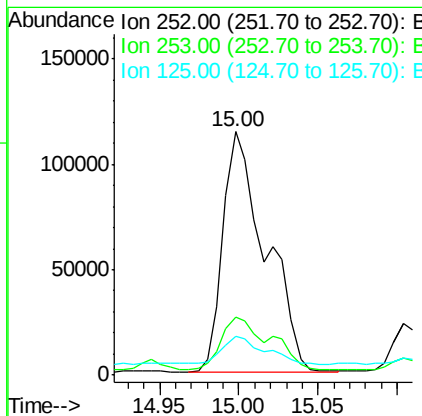
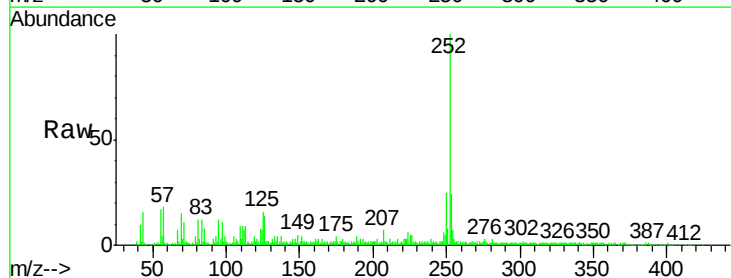
Instrument :
 BNA_F
 ClientSampleId :
 7

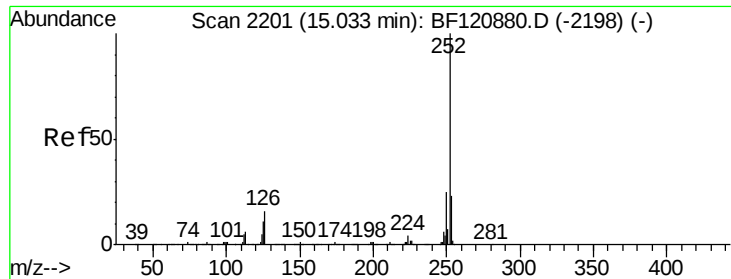
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.3	28.9
277	24.4	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 9.600 ng
 RT: 15.00 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	15.7	8.1	12.1

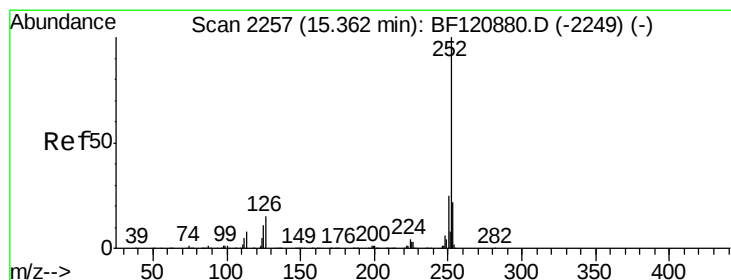
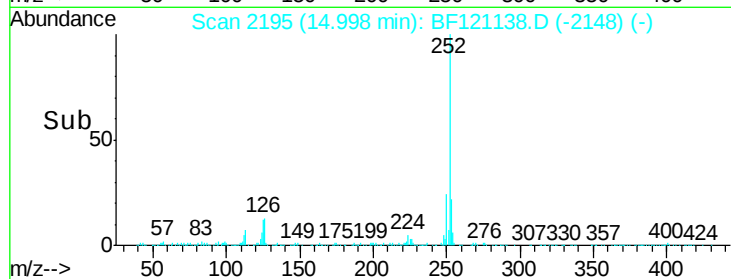
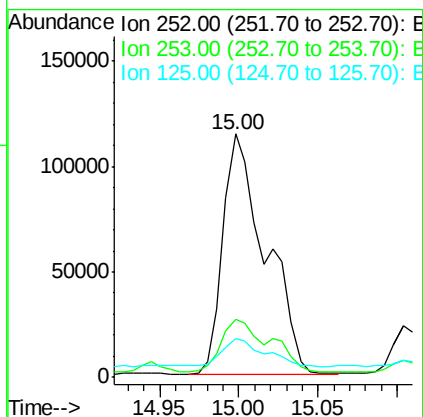
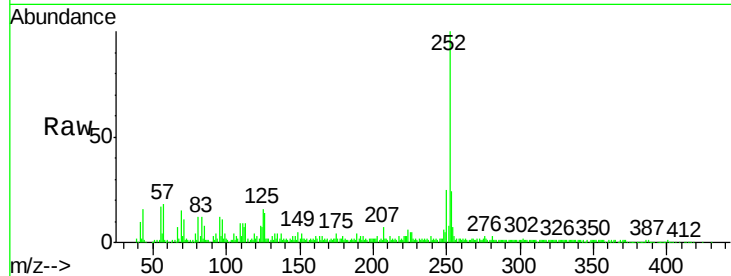




#89
Benzo(k)fluoranthene
Concen: 10.527 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

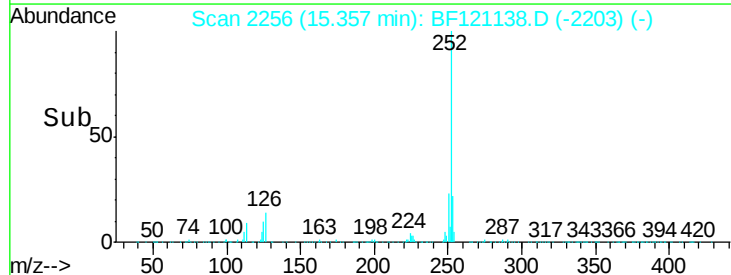
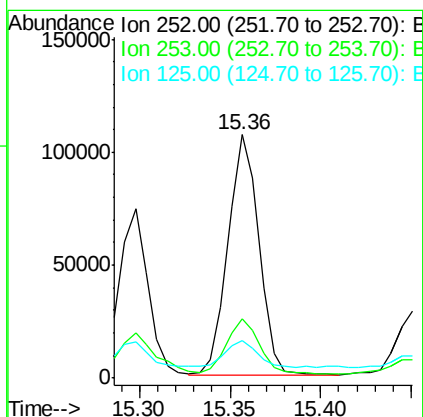
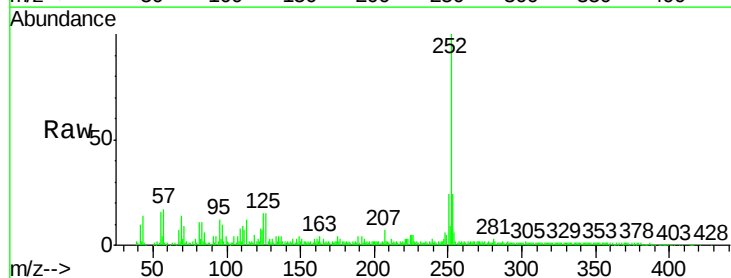
Instrument :
BNA_F
ClientSampleId :
7

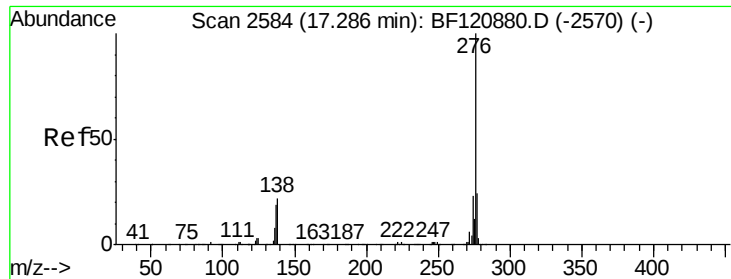
Tot Ion:252 Resp: 214022
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 15.7 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 6.212 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF121138.D
Acq: 30 Jul 2020 20:18

Tgt Ion:252 Resp: 126338
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 15.4 9.5 14.3#

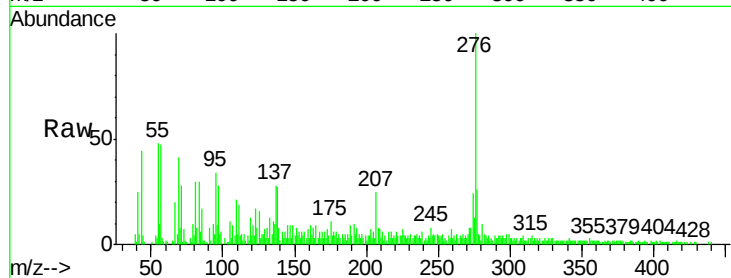




#92
 Benzo(a,h,i)perylene
 Concen: 2.747 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. 0.02 min
 Lab File: BF121138.D
 Acq: 30 Jul 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :
 7

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.4	29.0
138	26.5	17.2	25.8



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

