

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121771.D
 Acq On : 1 Oct 2020 17:11
 Operator : JU/CG
 Sample : L4179-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-9(2-3)

Quant Time: Oct 01 17:41:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	145342	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	552581	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	267815	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	453189	20.00	ng	0.00
76) Chrysene-d12	13.93	240	316864	20.00	ng	0.00
86) Perylene-d12	15.37	264	327391	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	749315	76.62	ng	0.00
7) Phenol-d6	6.41	99	976041	76.07	ng	0.00
23) Nitrobenzene-d5	7.33	82	653600	63.51	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	251545	75.57	ng	-0.01
45) 2-Fluorobiphenyl	9.13	172	1114938	63.05	ng	0.00
79) Terphenyl-d14	12.87	244	928950	59.39	ng	0.00

Target Compounds

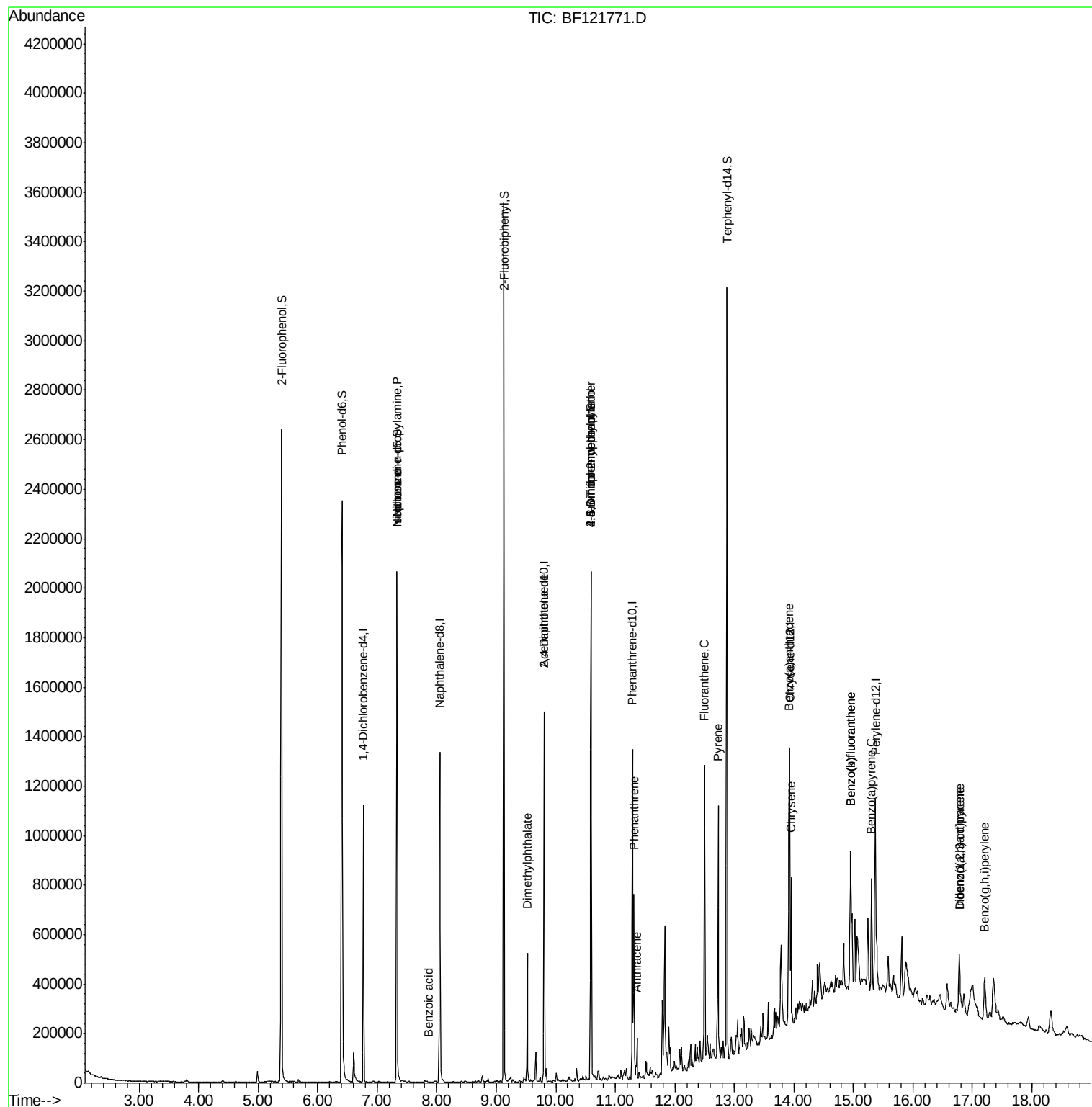
						Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	86690	11.723	ng	# 77
25) Isophorone	7.33	82	653668	31.552	ng	# 67
32) Benzoic acid	7.86	122	280	6.970	ng	# 1
50) Dimethylphthalate	9.52	163	182009	9.377	ng	100
57) 2,4-Dinitrotoluene	9.80	165	34901	6.711	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	558	7.024	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	14306	2.773	ng	# 1
71) Phenanthrene	11.31	178	244733	9.912	ng	99
72) Anthracene	11.36	178	57604	2.261	ng	98
75) Fluoranthene	12.50	202	440608	16.716	ng	100
78) Pyrene	12.73	202	395903	17.101	ng	99
81) Benzo(a)anthracene	13.92	228	221693	11.059	ng	96
83) Chrysene	13.95	228	205943	10.145	ng	98
87) Indeno(1,2,3-cd)pyrene	16.78	276	143574	6.734	ng	93
88) Benzo(b)fluoranthene	14.95	252	375360	17.150	ng	# 97
89) Benzo(k)fluoranthene	14.95	252	375360	18.728	ng	# 96
90) Benzo(a)pyrene	15.30	252	194547	10.457	ng	96
91) Dibenzo(a,h)anthracene	16.79	278	40531	2.284	ng	# 91
92) Benzo(a,h,i)perylene	17.21	276	130364	7.472	ng	98

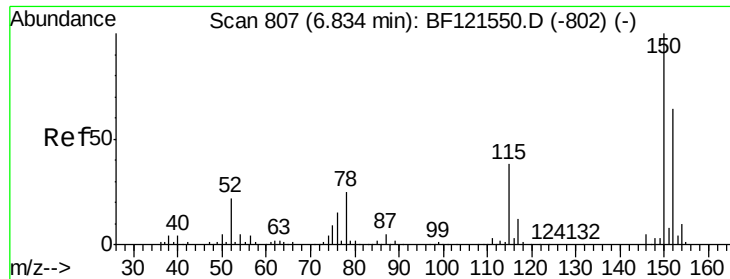
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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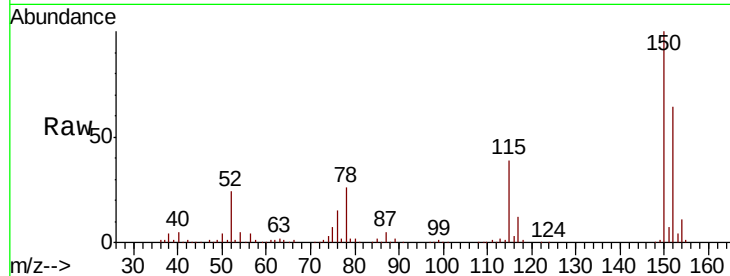


#1

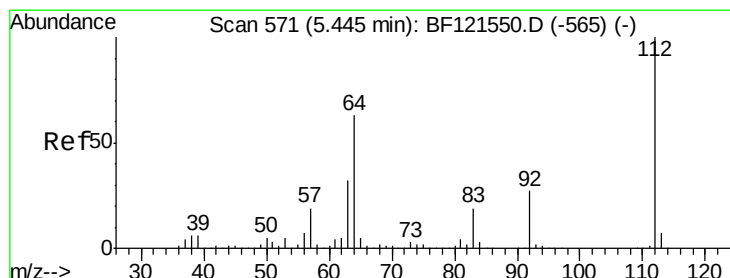
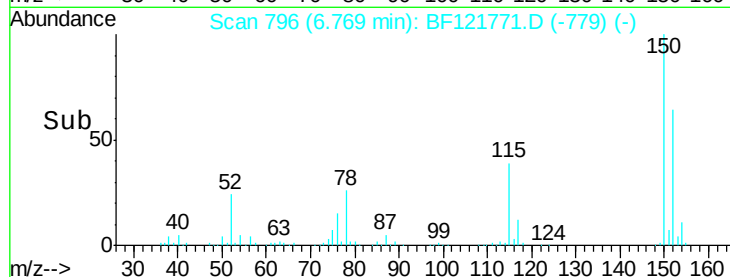
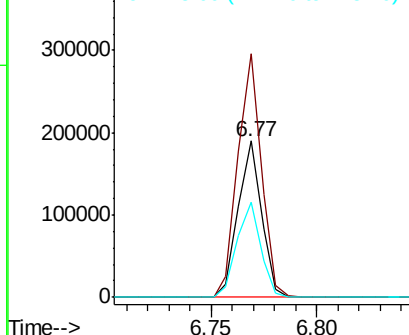
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

Instrument :
BNA_F
ClientSampleId :
B-9(2-3)

Tot Ion:152 Resp: 145342
Ion Ratio Lower Upper
152 100
150 156.1 125.3 187.9
115 61.2 51.9 77.9



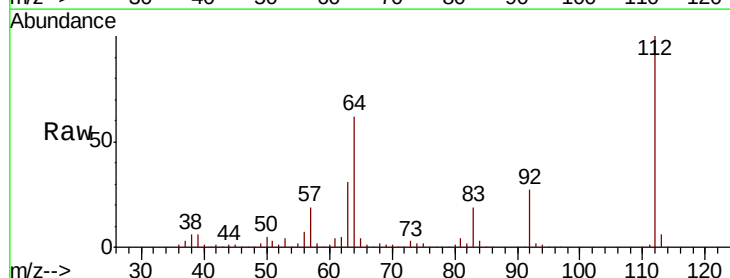
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



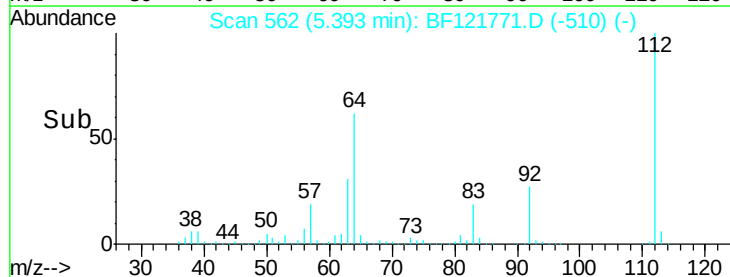
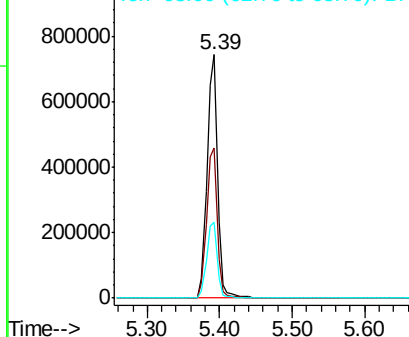
#5

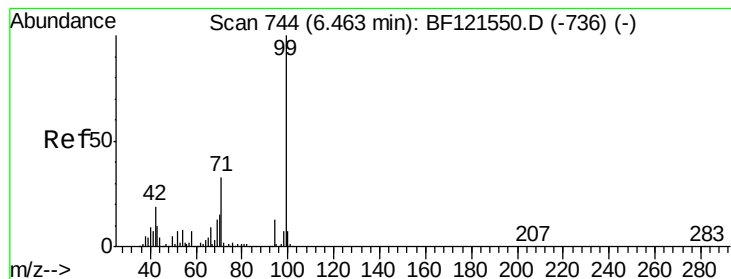
2-Fluorophenol
Concen: 76.618 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

Tgt Ion:112 Resp: 749315
Ion Ratio Lower Upper
112 100
64 61.6 50.4 75.6
63 31.3 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: 76.071 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121771.D

Acq: 1 Oct 2020 17:11

Instrument :

BNA_F

ClientSampled :

B-9(2-3)

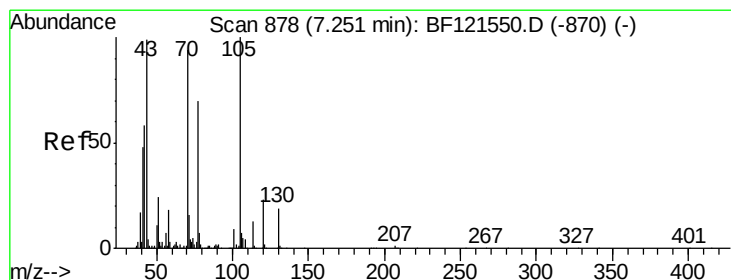
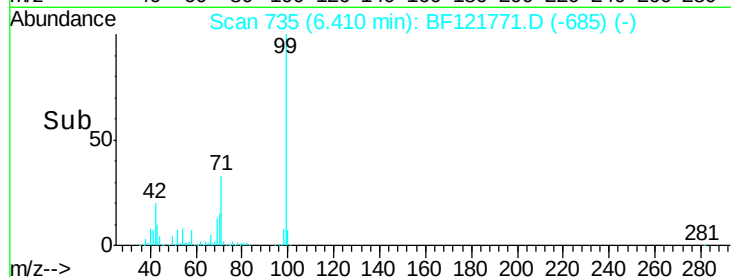
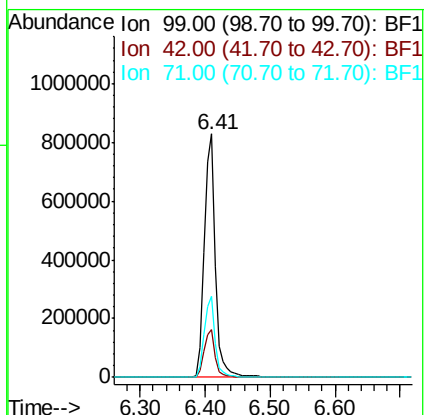
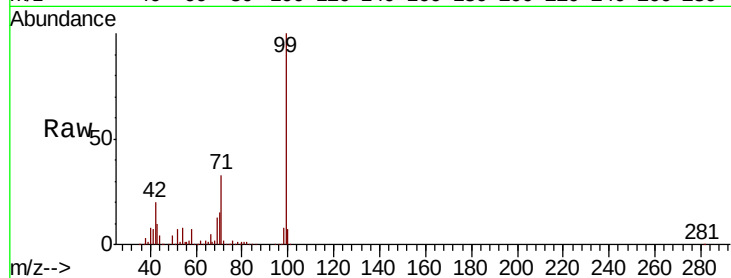
Tot Ion: 99 Resp: 976041

Ion Ratio Lower Upper

99 100

42 19.6 15.9 23.9

71 33.2 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.723 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.14 min

Lab File: BF121771.D

Acq: 1 Oct 2020 17:11

Tgt Ion: 70 Resp: 86690

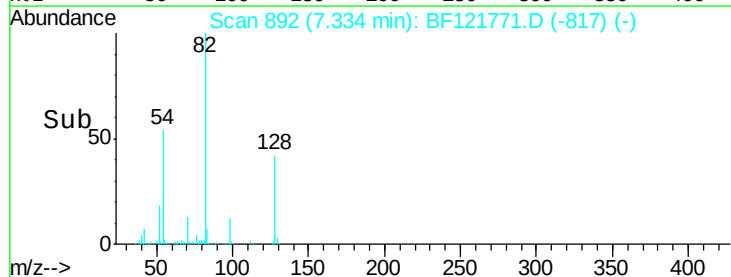
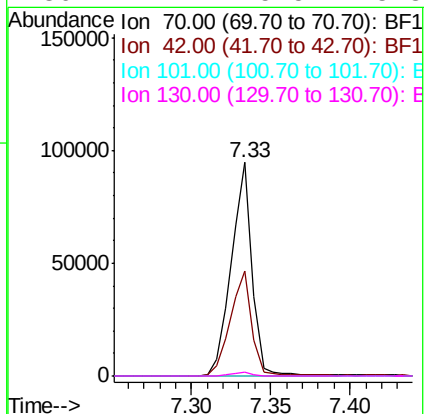
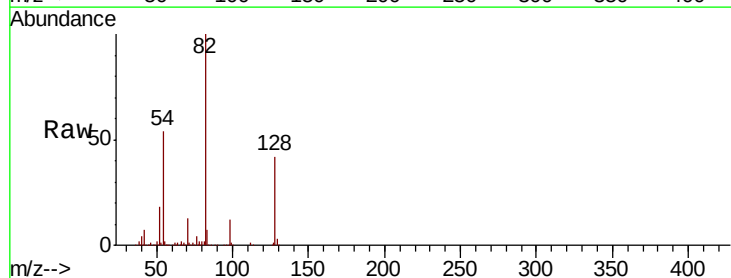
Ion Ratio Lower Upper

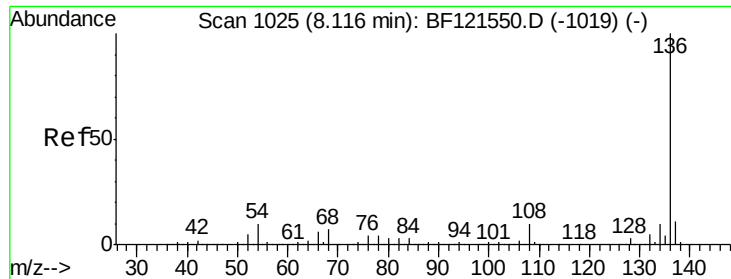
70 100

42 49.2 50.2 75.4#

101 0.0 7.5 11.3#

130 2.1 15.5 23.3#

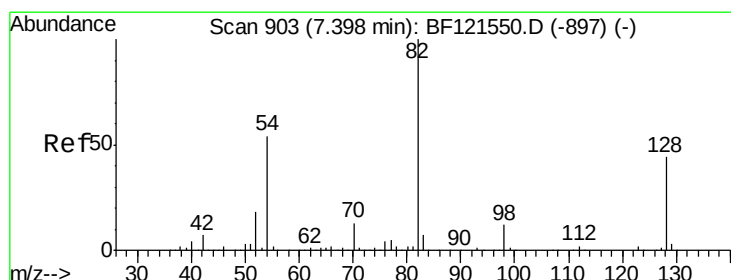
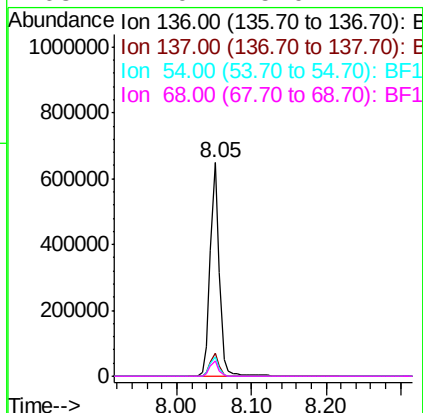
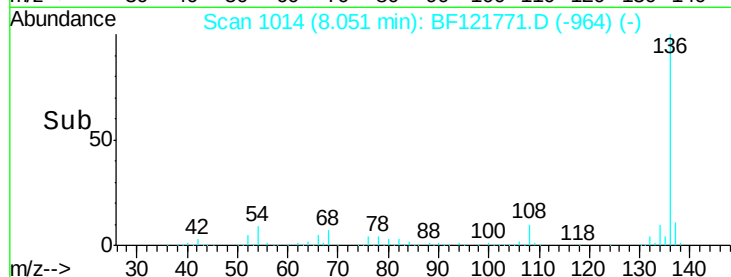
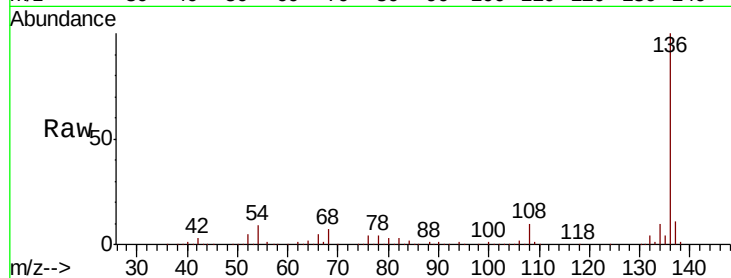




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

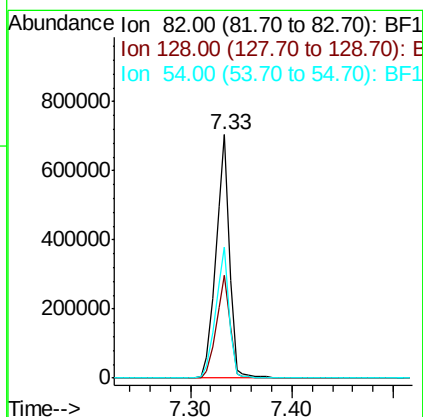
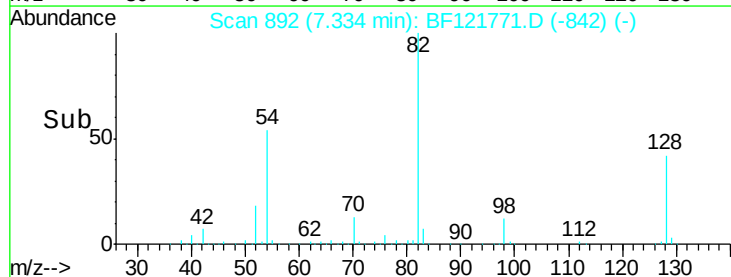
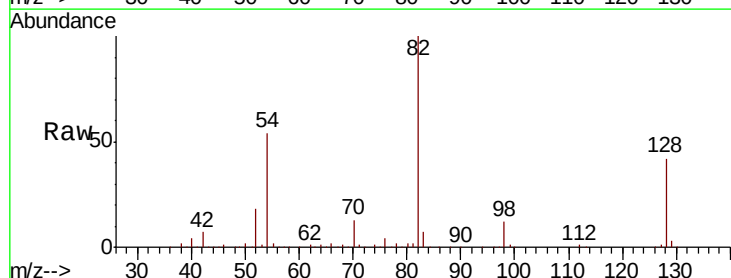
Instrument :
BNA_F
ClientSampled :
B-9(2-3)

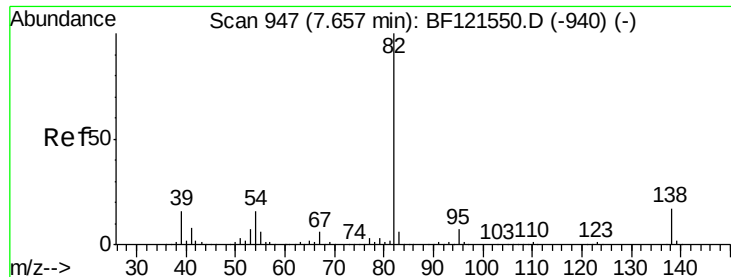
Tot Ion:136	Resp:	552581
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.6 13.0
54	8.8	7.1 10.7
68	7.0	5.0 7.4



#23
Nitrobenzene-d5
Concen: 63.507 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

Tgt Ion: 82	Resp:	653600
Ion Ratio	Lower	Upper
82	100	
128	42.4	35.0 52.4
54	53.9	43.9 65.9





#25

Isophorone

Concen: 31.552 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF121771.D

Acq: 1 Oct 2020 17:11

Instrument :

BNA_F

ClientSampleId :

B-9(2-3)

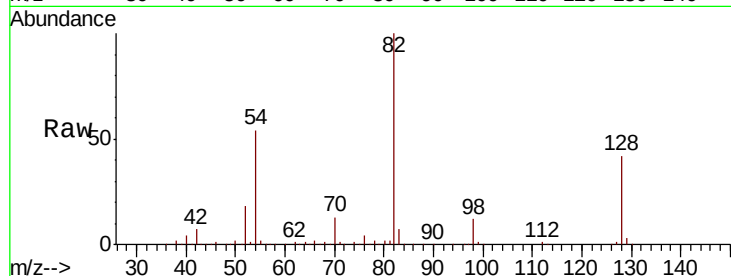
Tot Ion: 82 Resp: 653668

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

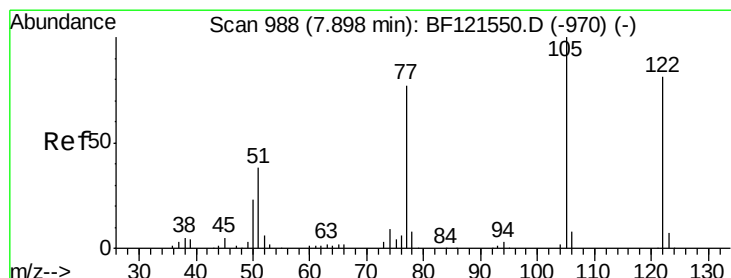
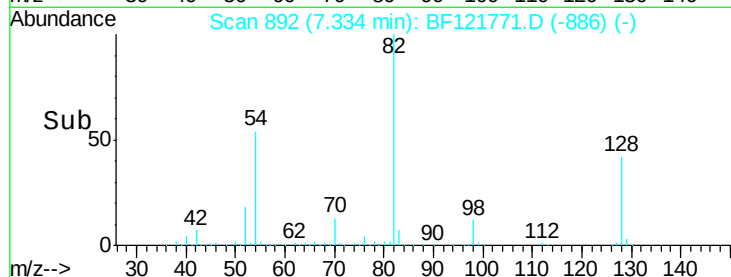
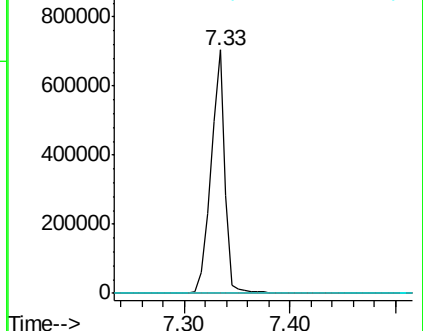
138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.970 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF121771.D

Acq: 1 Oct 2020 17:11

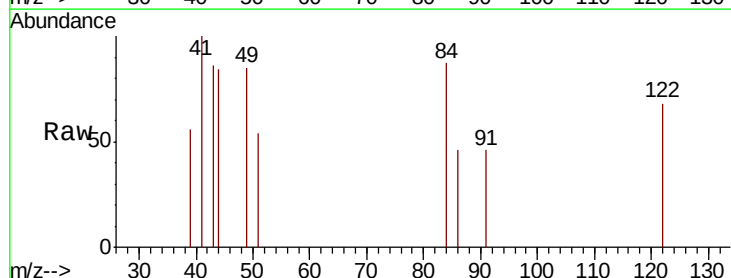
Tgt Ion: 122 Resp: 280

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

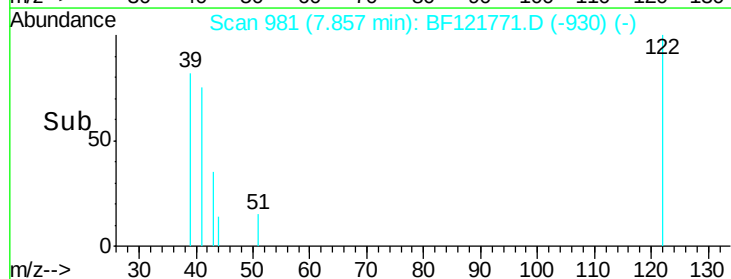
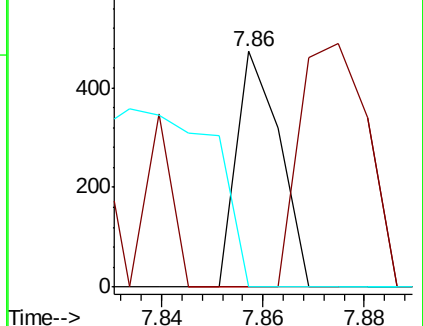
77 0.0 73.9 113.9#

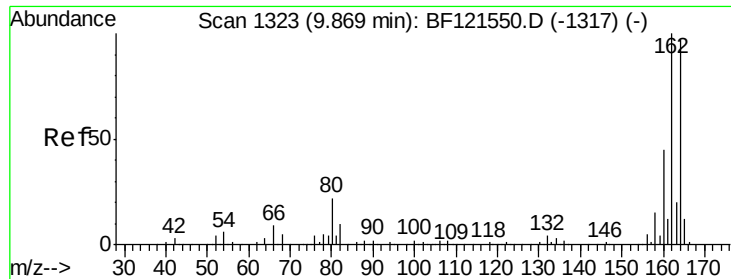


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF121771.D

Acq: 1 Oct 2020 17:11

Instrument :

BNA_F

ClientSampleId :

B-9(2-3)

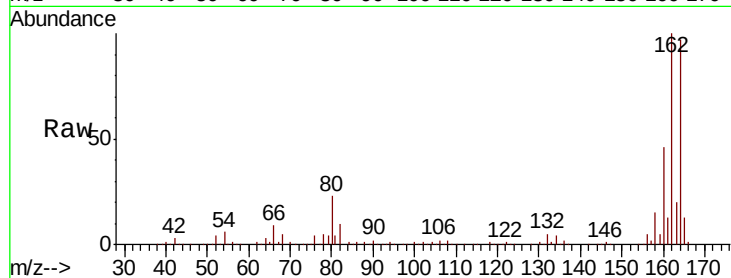
Tot Ion:164 Resp: 267815

Ion Ratio Lower Upper

164 100

162 102.6 83.2 124.8

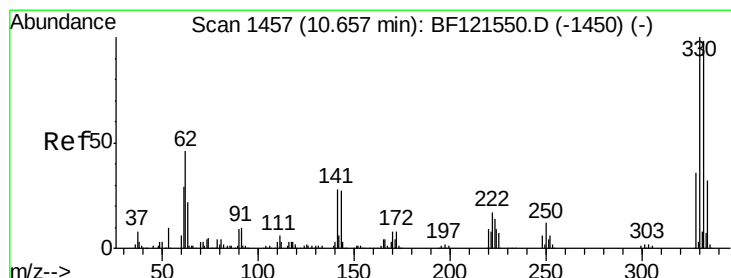
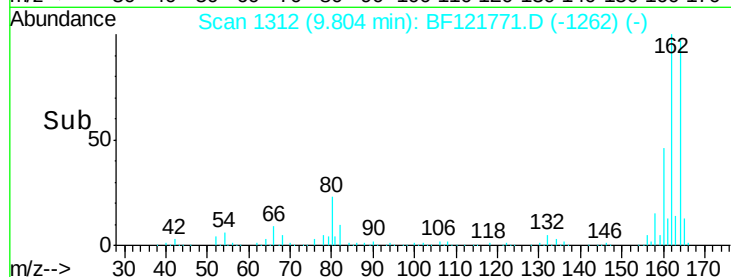
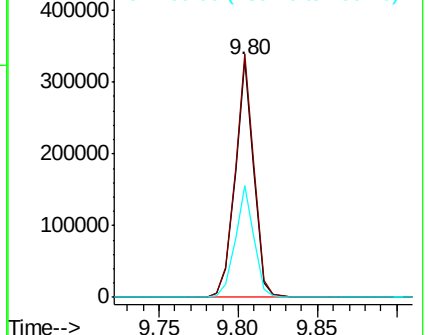
160 47.2 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 75.571 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121771.D

Acq: 1 Oct 2020 17:11

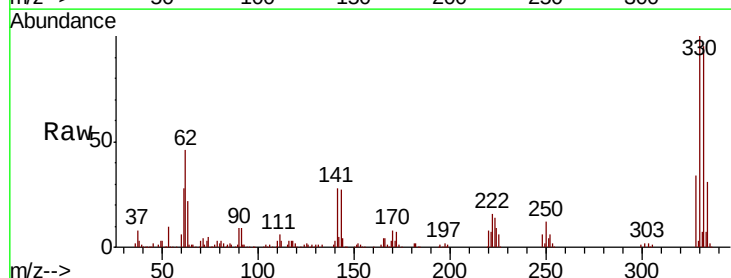
Tgt Ion:330 Resp: 251545

Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

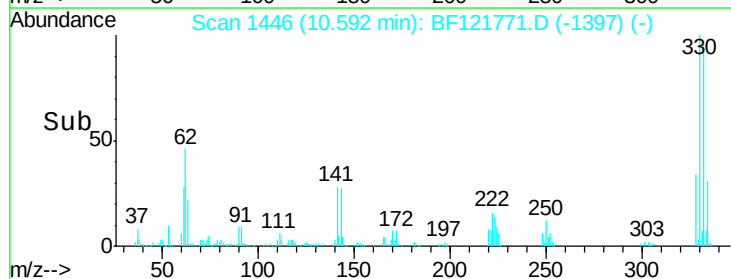
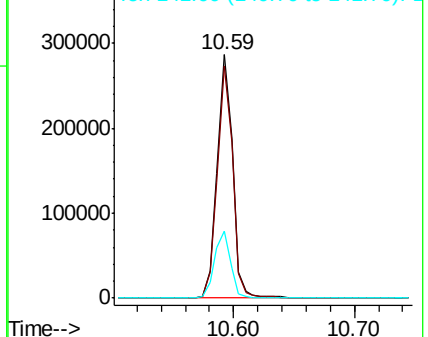
141 28.8 22.3 33.5

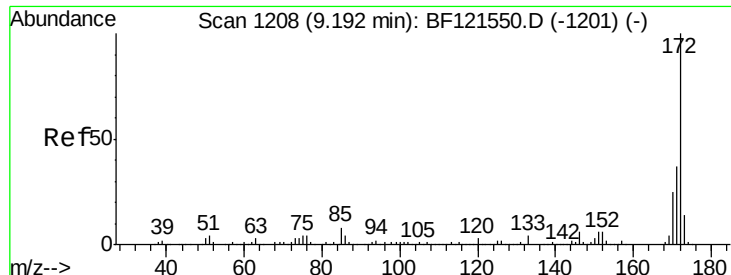


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



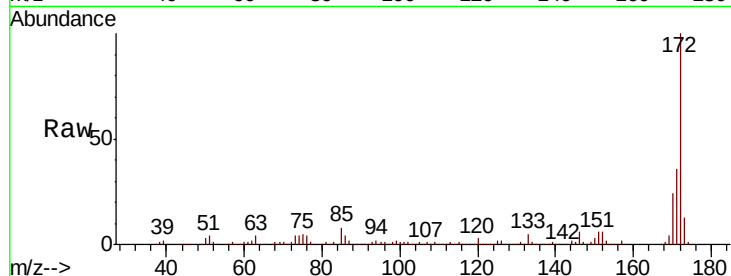


#45
 2-Fluorobiphenyl
 Concen: 63.051 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF121771.D
 Acq: 1 Oct 2020 17:11

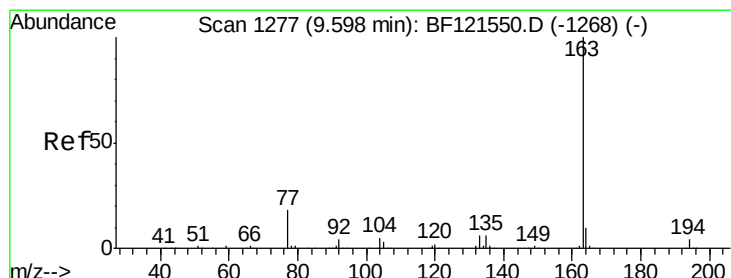
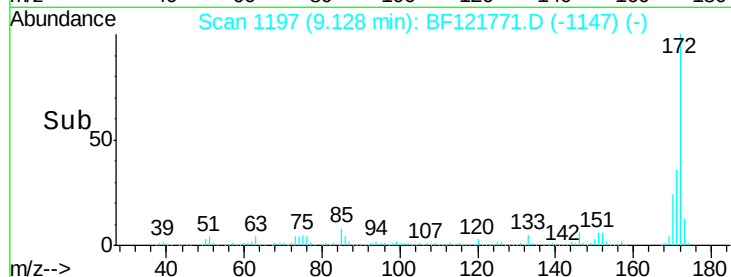
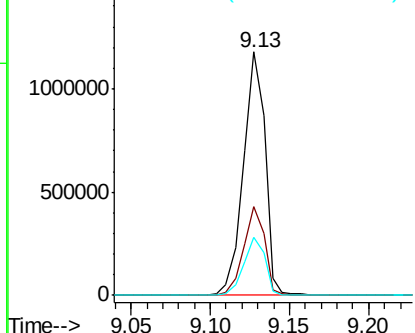
Instrument :
 BNA_F
 ClientSampleId :
 B-9(2-3)

Tot Ion:172 Resp: 1114938

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.1	43.7
170	23.8	19.8	29.6



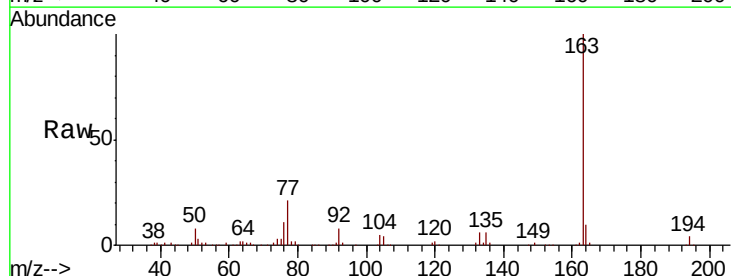
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



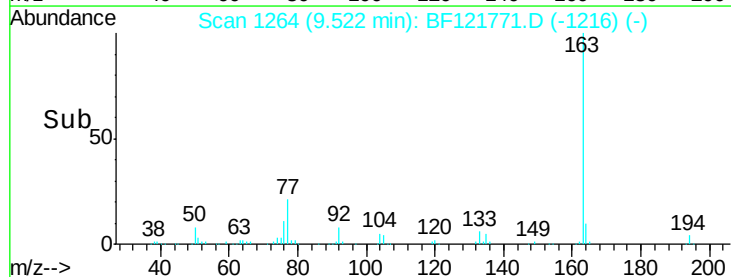
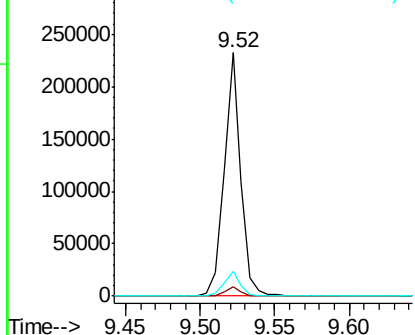
#50
 Dimethylphthalate
 Concen: 9.377 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BF121771.D
 Acq: 1 Oct 2020 17:11

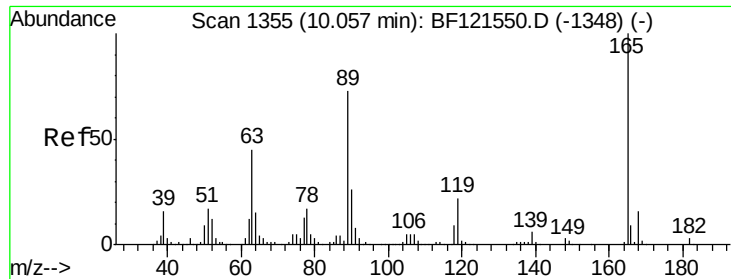
Tgt Ion:163 Resp: 182009

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.3	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

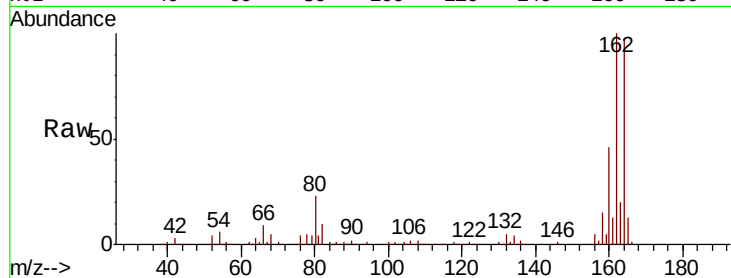




#57
 2,4-Dinitrotoluene
 Concen: 6.711 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.20 min
 Lab File: BF121771.D
 Acq: 1 Oct 2020 17:11

Instrument :
 BNA_F
 ClientSampleId :
 B-9(2-3)

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.3	61.9#
89	1.3	61.8	92.8#
182	0.0	2.1	3.1#

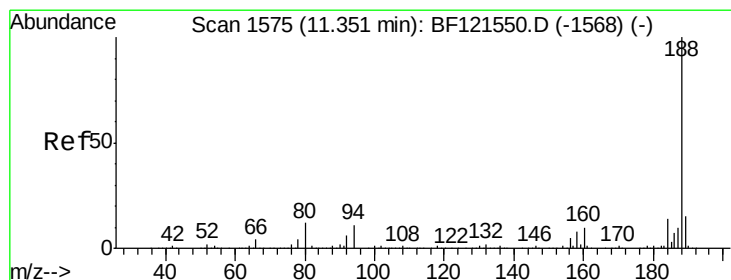
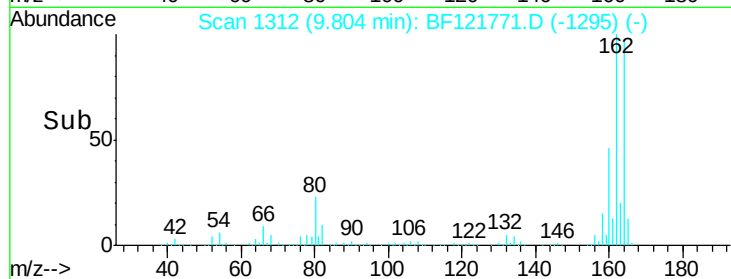
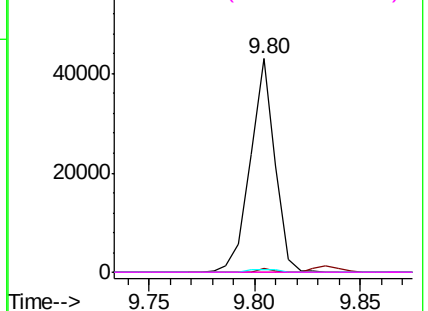


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

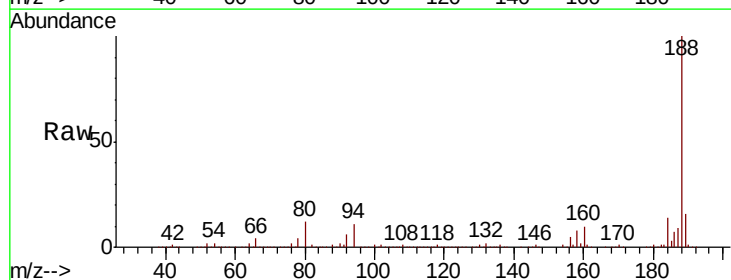
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF121771.D
 Acq: 1 Oct 2020 17:11

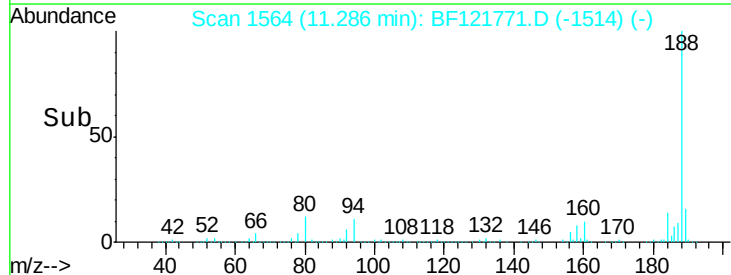
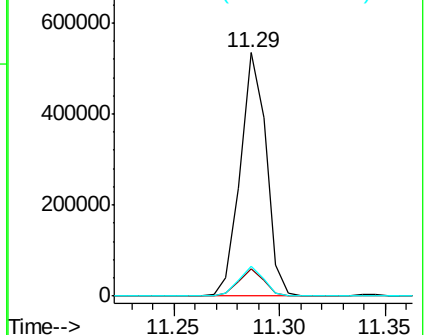
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.3	12.5
80	12.0	9.1	13.7

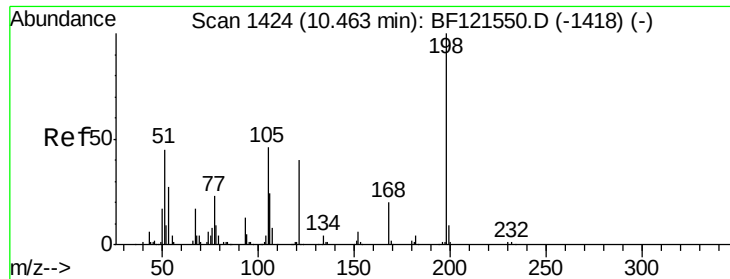


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

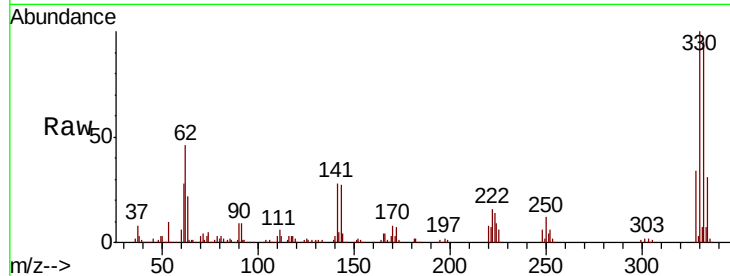




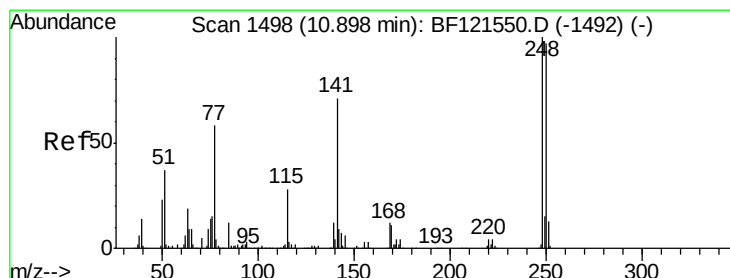
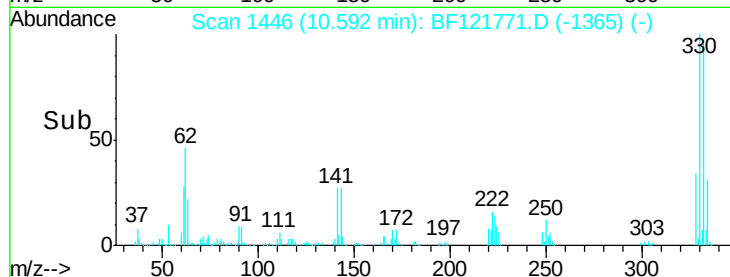
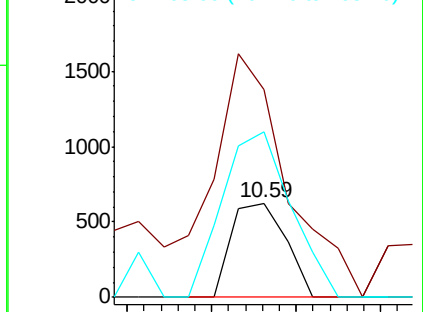
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.024 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. 0.18 min
 Lab File: BF121771.D
 Acq: 1 Oct 2020 17:11

Instrument :
 BNA_F
 ClientSampleId :
 B-9(2-3)

Tot Ion:198 Resp: 558
 Ion Ratio Lower Upper
 198 100
 51 220.6 29.6 69.6#
 105 175.9 24.4 64.4#

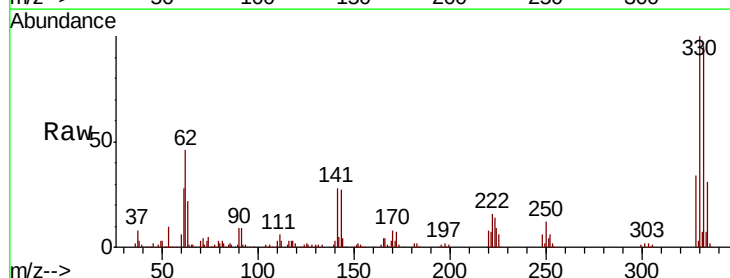


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

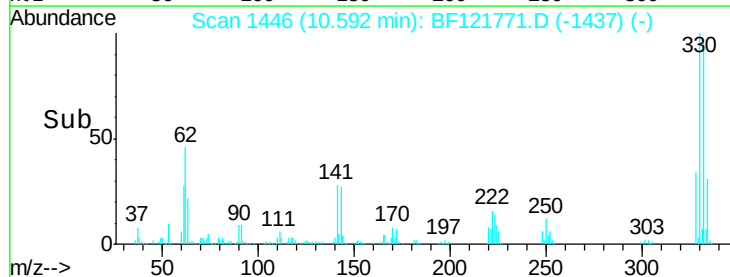
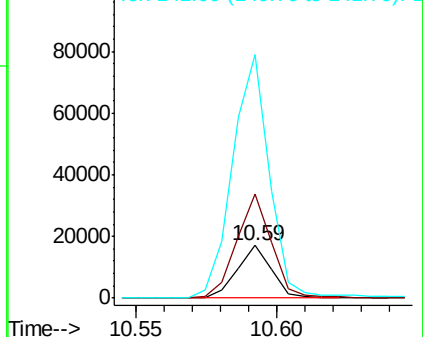


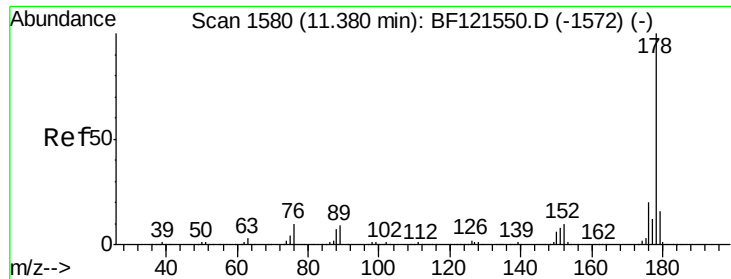
#67
 4-Bromophenyl-phenylether
 Concen: 2.773 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.25 min
 Lab File: BF121771.D
 Acq: 1 Oct 2020 17:11

Tgt Ion:248 Resp: 14306
 Ion Ratio Lower Upper
 248 100
 250 198.4 77.0 115.6#
 141 461.9 53.7 80.5#



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

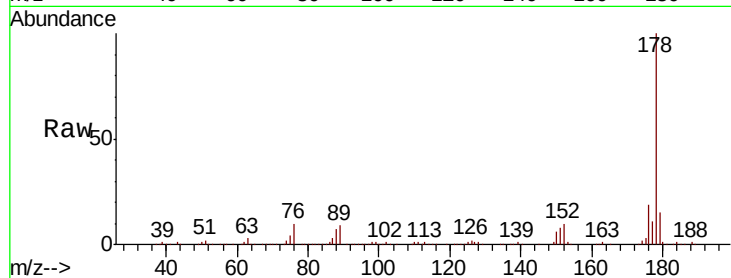




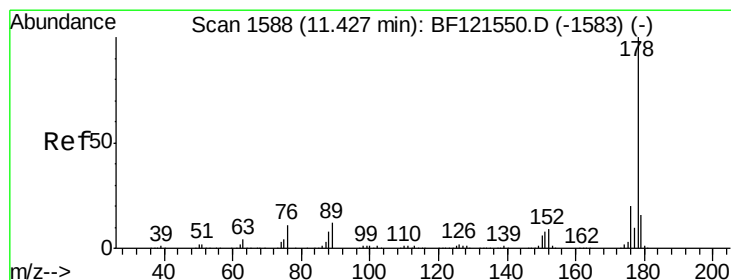
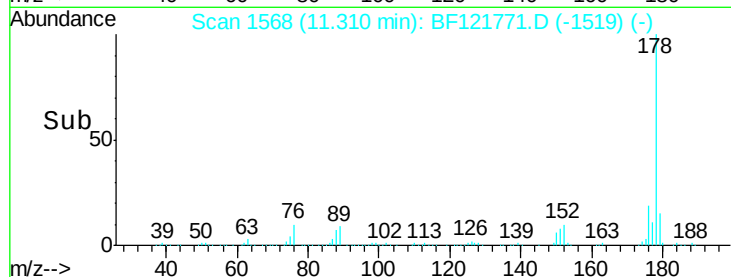
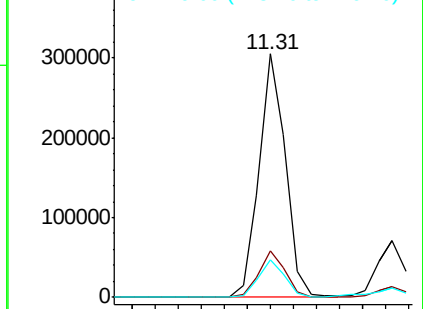
#71
Phenanthrene
Concen: 9.912 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

Instrument :
BNA_F
ClientSampleId :
B-9(2-3)

Tot Ion:178 Resp: 244733
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.2 12.2 18.4

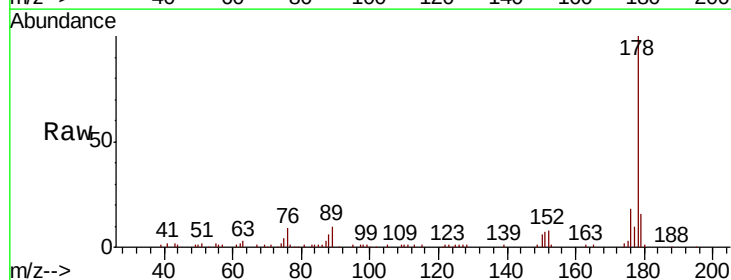


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

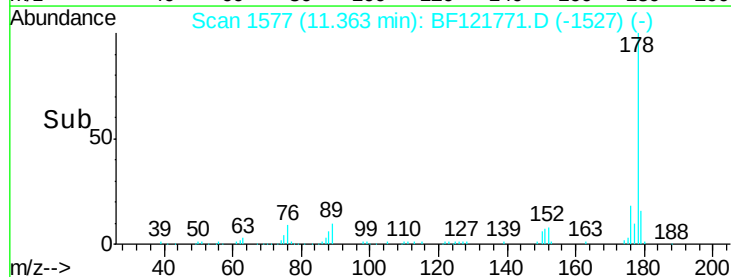
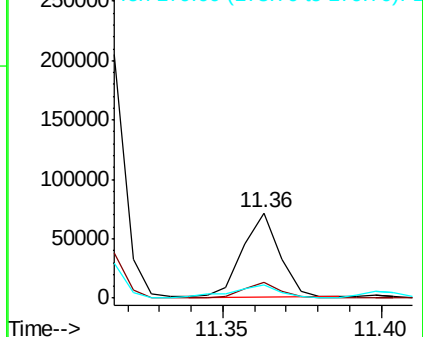


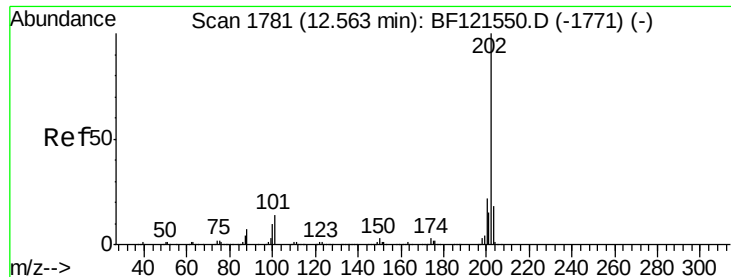
#72
Anthracene
Concen: 2.261 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

Tgt Ion:178 Resp: 57604
Ion Ratio Lower Upper
178 100
176 18.0 15.7 23.5
179 15.8 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: 16.716 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121771.D

Acq: 1 Oct 2020 17:11

Instrument :

BNA_F

ClientSampleId :

B-9(2-3)

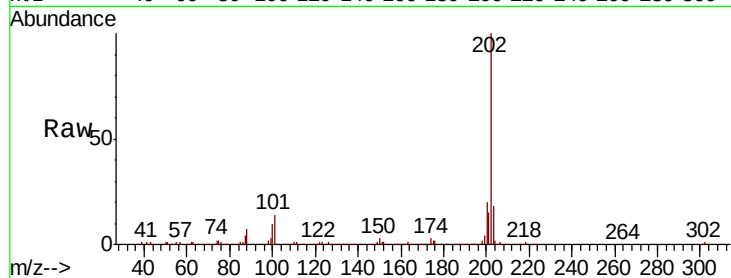
Tot Ion:202 Resp: 440608

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.4

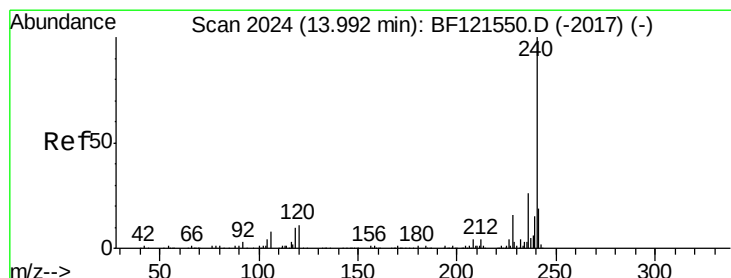
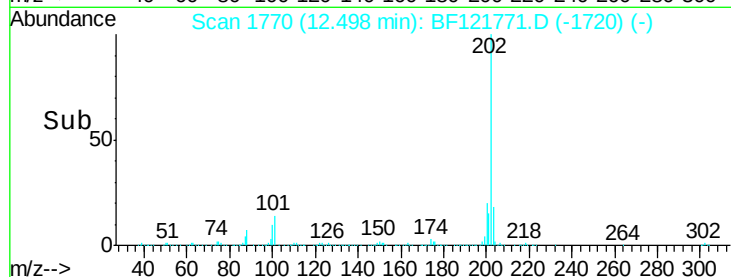
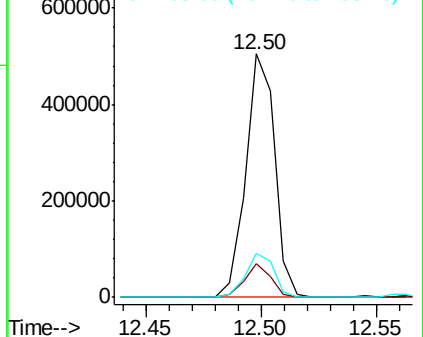
203 17.9 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF121771.D

Acq: 1 Oct 2020 17:11

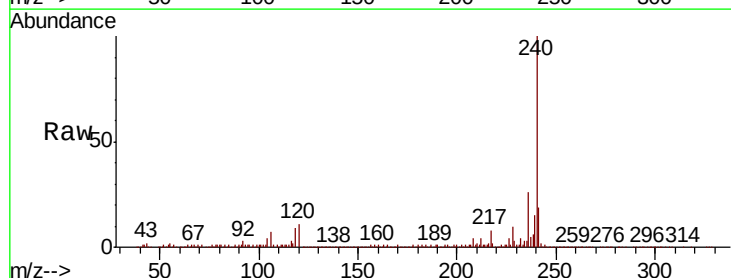
Tgt Ion:240 Resp: 316864

Ion Ratio Lower Upper

240 100

120 10.8 9.2 13.8

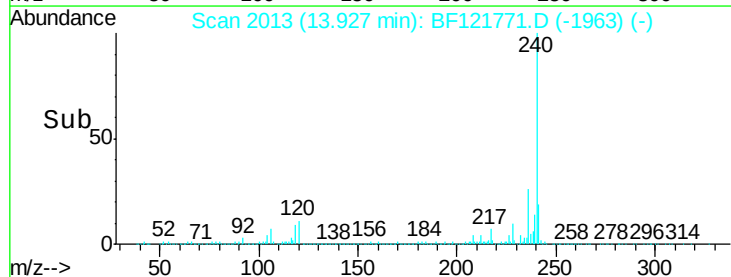
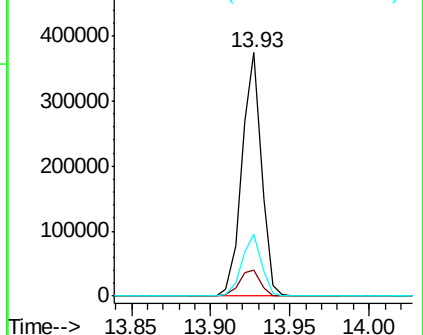
236 25.6 20.9 31.3

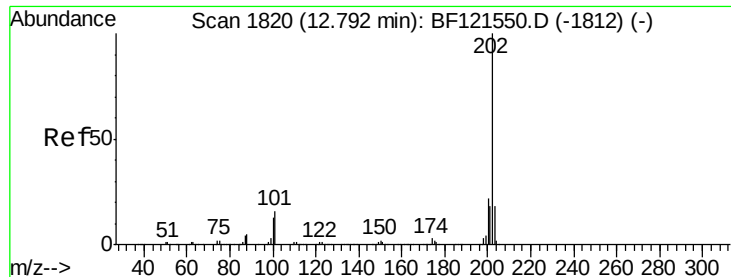


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

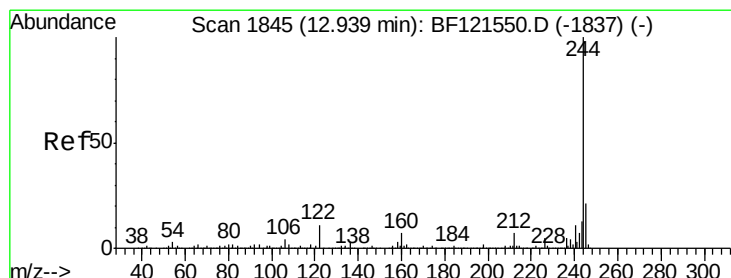
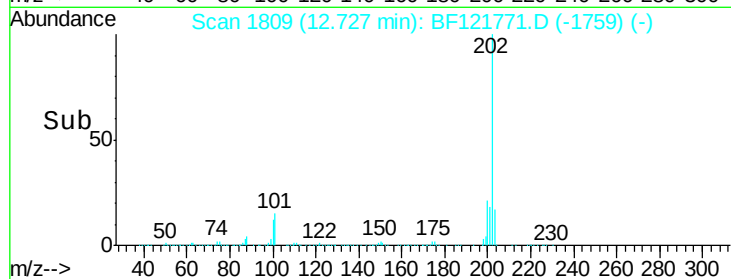
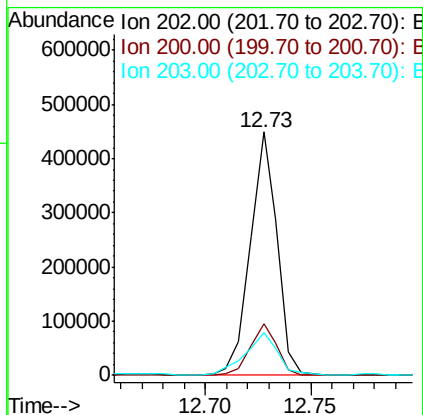
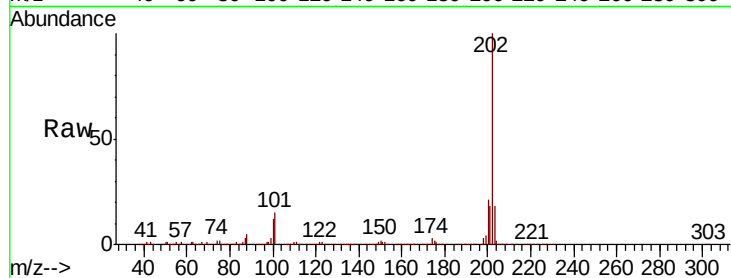




#78
Pvrene
Concen: 17.101 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

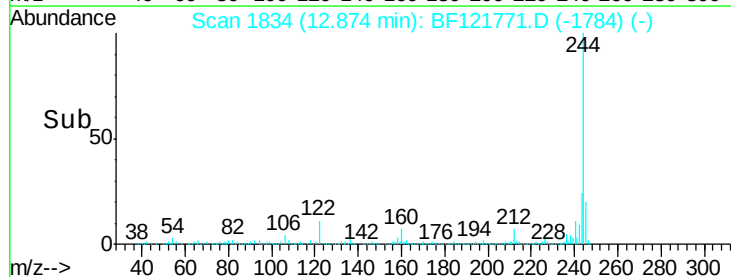
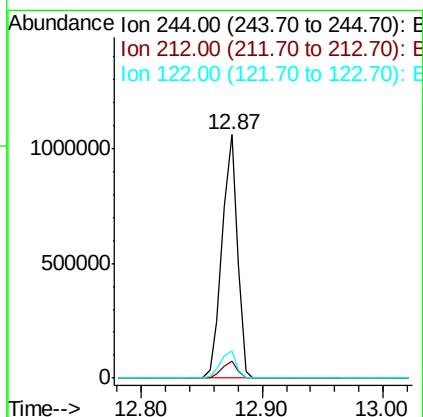
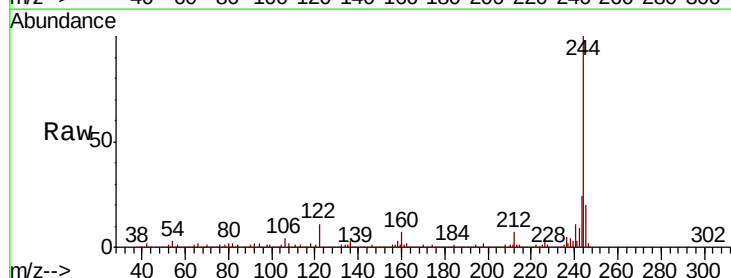
Instrument :
BNA_F
ClientSampleId :
B-9(2-3)

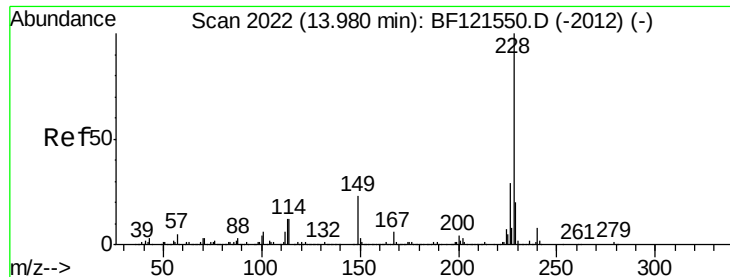
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.5	14.6	21.8



#79
Terphenyl-d14
Concen: 59.393 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.0	8.1	12.1

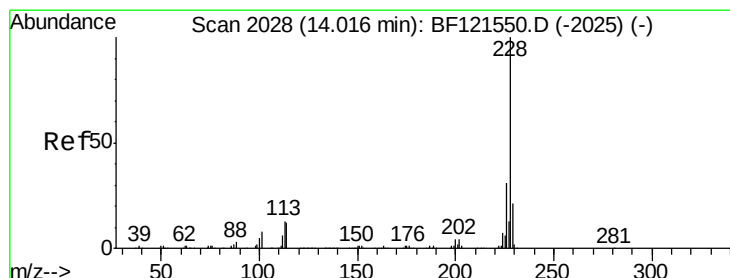
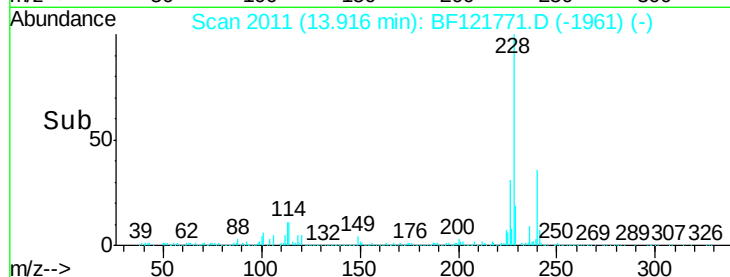
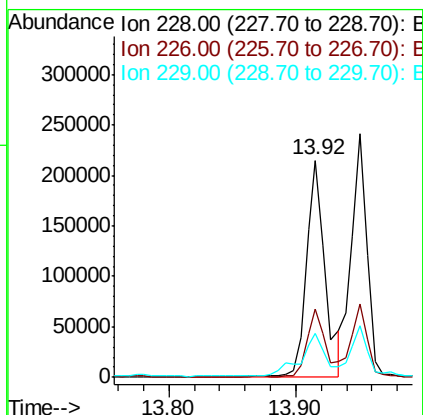
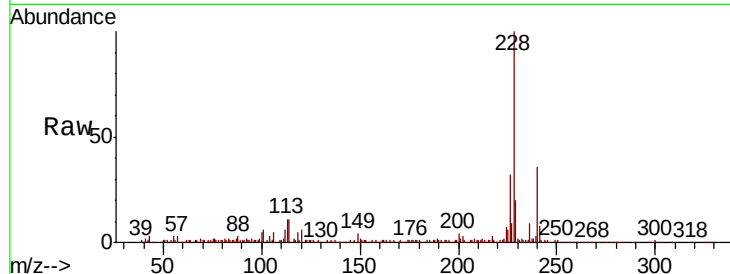




#81
Benzo(a)anthracene
Concen: 11.059 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

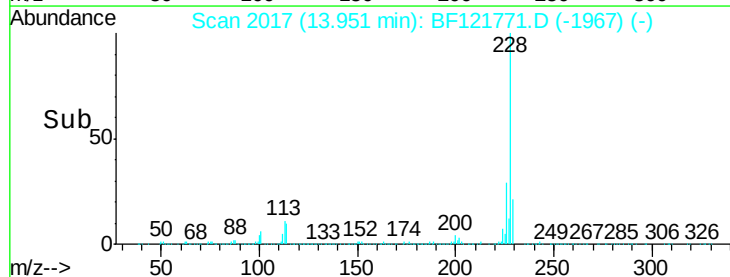
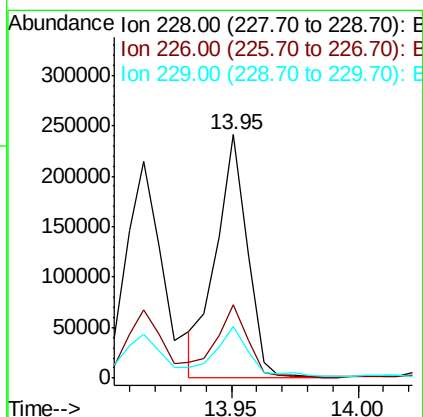
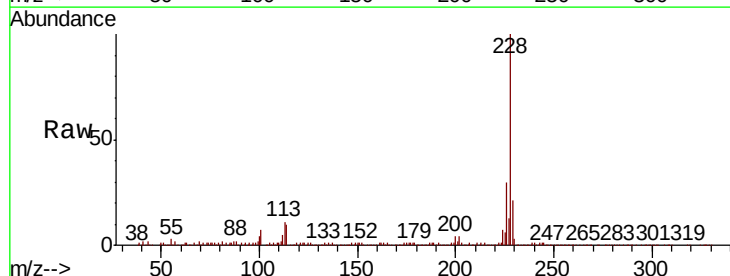
Instrument :
BNA_F
ClientSampleId :
B-9(2-3)

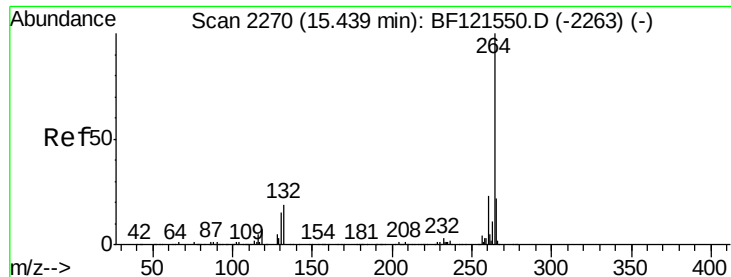
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.3	33.5
229	20.2	16.2	24.4



#83
Chrysene
Concen: 10.145 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	21.5	15.9	23.9

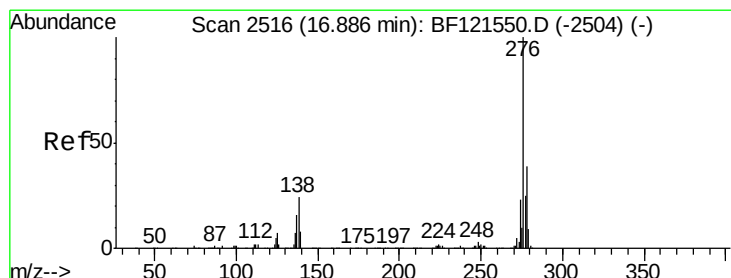
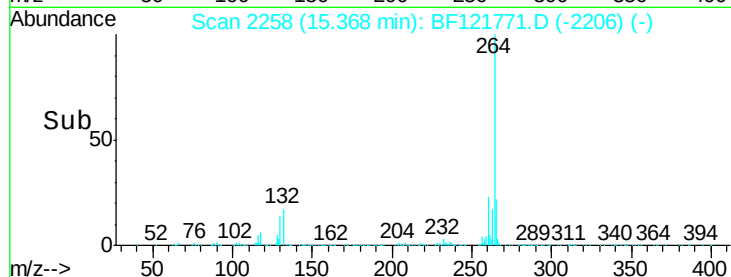
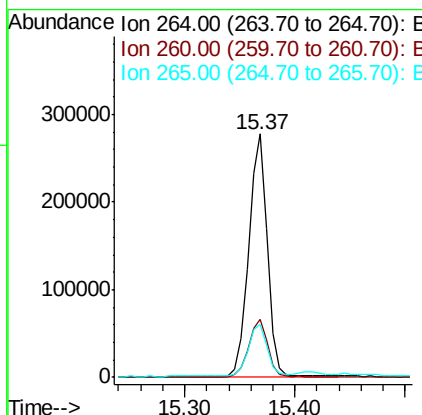
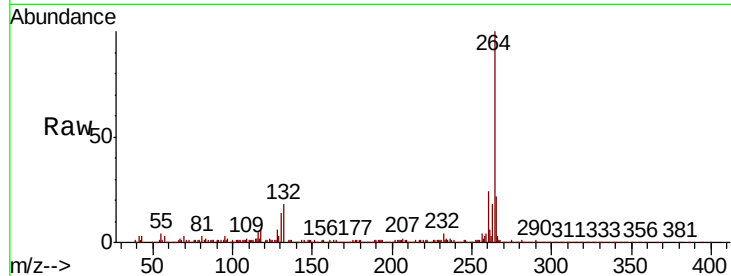




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

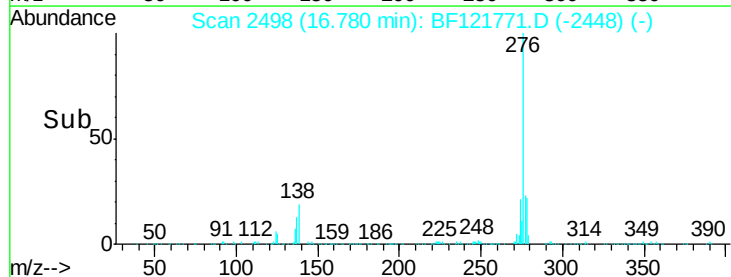
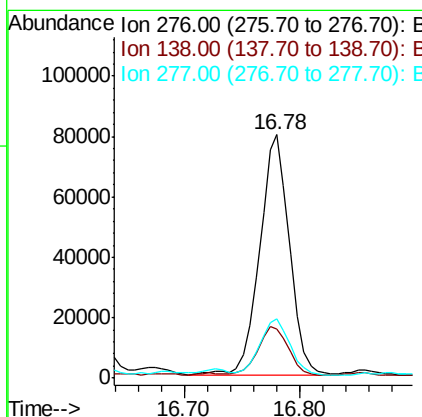
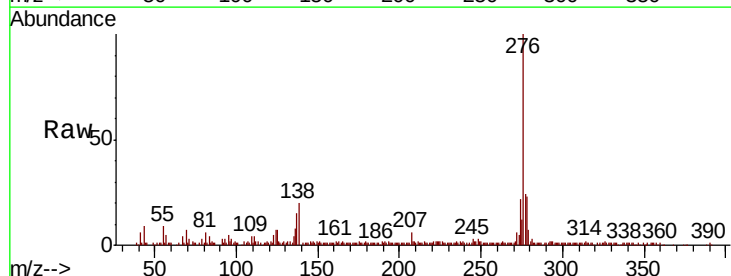
Instrument :
BNA_F
ClientSampleId :
B-9(2-3)

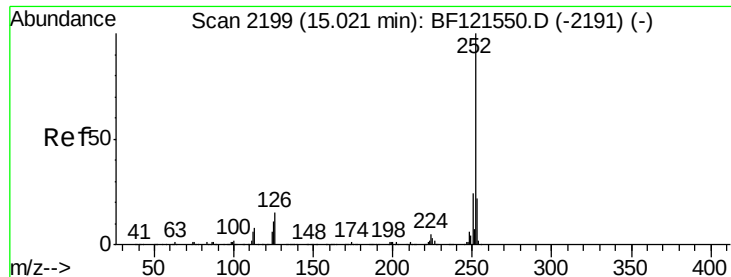
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.9	17.3	25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.734 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.9	29.9
277	23.4	20.4	30.6

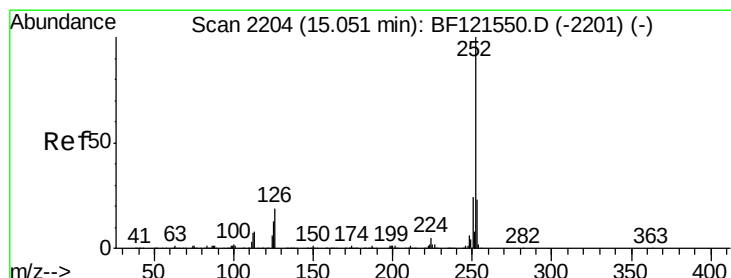
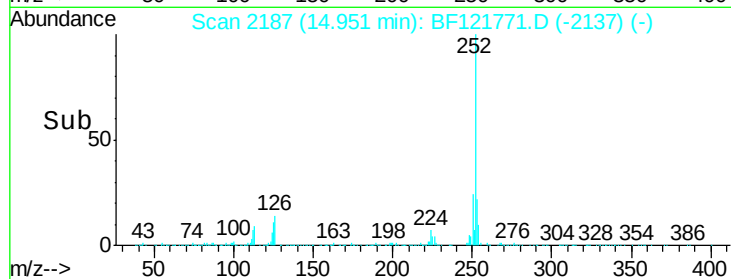
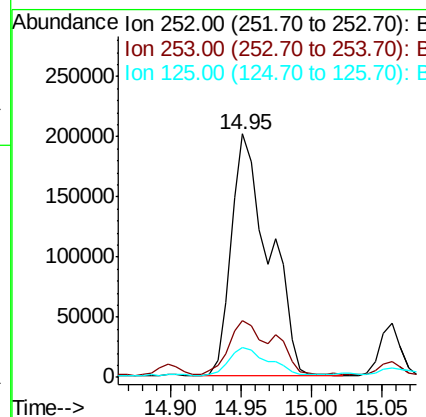
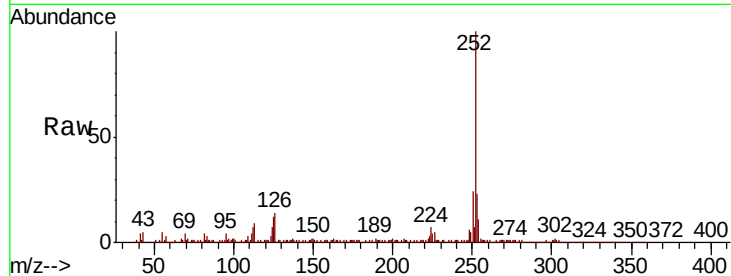




#88
Benzo(b)fluoranthene
Concen: 17.150 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

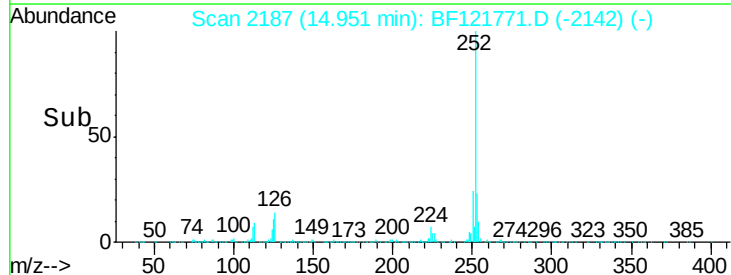
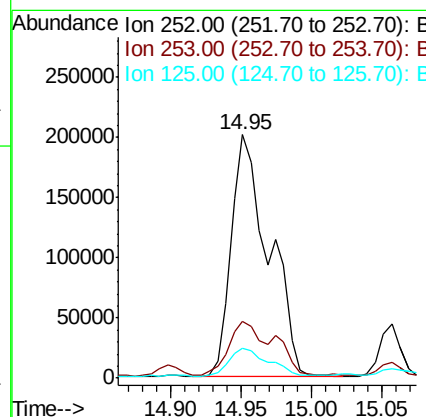
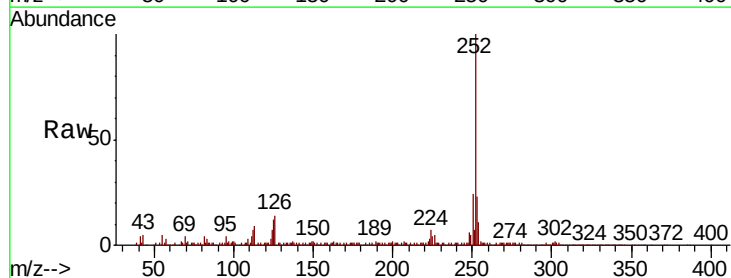
Instrument :
BNA_F
ClientSampleId :
B-9(2-3)

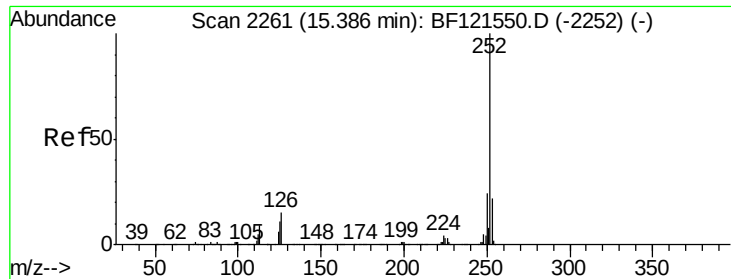
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	12.2	8.0	12.0#



#89
Benzo(k)fluoranthene
Concen: 18.728 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	12.2	7.7	11.5#

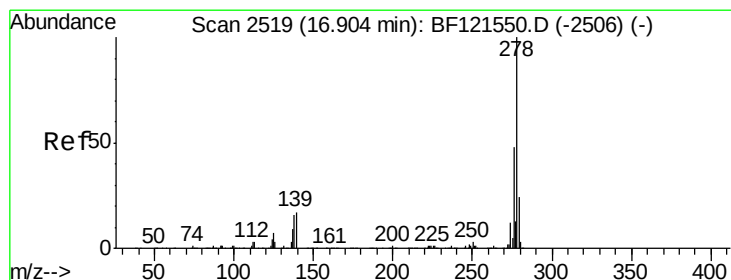
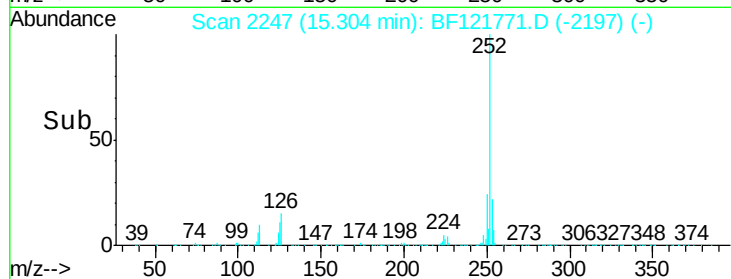
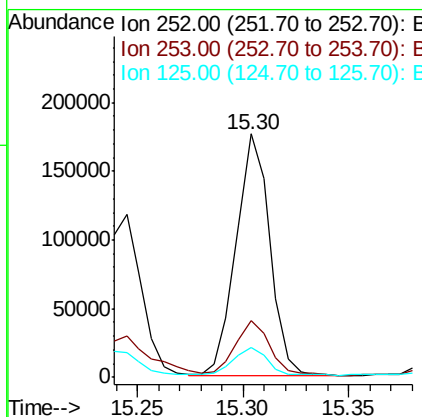
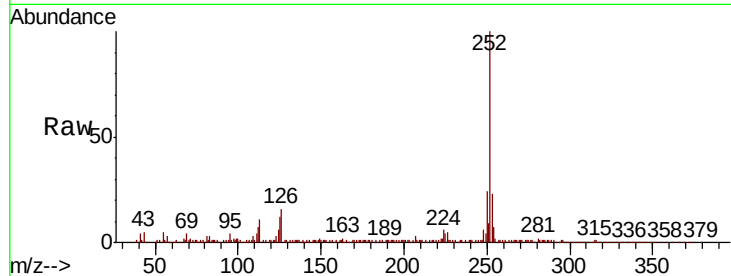




#90
Benzo(a)pyrene
Concen: 10.457 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

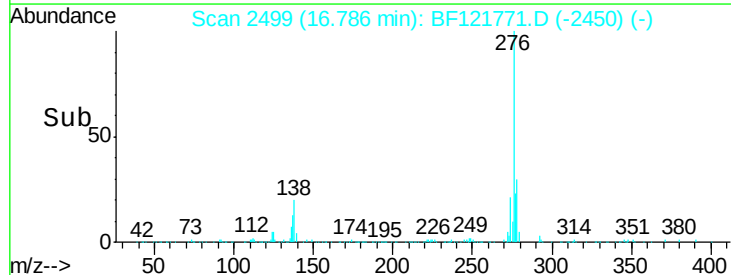
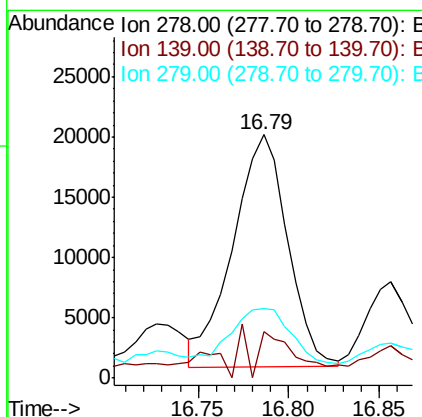
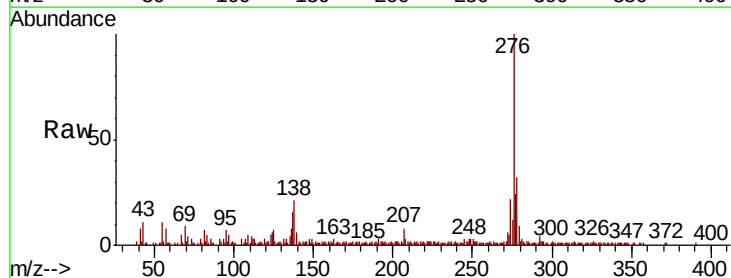
Instrument :
BNA_F
ClientSampleId :
B-9(2-3)

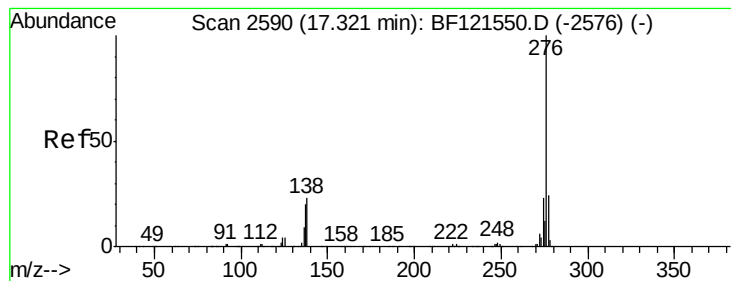
Tot Ion:252 Resp: 194547
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 12.2 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 2.284 ng
RT: 16.79 min Scan# 2499
Delta R.T. -0.01 min
Lab File: BF121771.D
Acq: 1 Oct 2020 17:11

Tgt Ion:278 Resp: 40531
Ion Ratio Lower Upper
278 100
139 18.9 13.0 19.4
279 28.8 19.0 28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 7.472 ng
 RT: 17.21 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: BF121771.D
 Acq: 1 Oct 2020 17:11

Instrument :
 BNA_F
 ClientSampleId :
 B-9(2-3)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.2
138	20.8	17.8	26.6

