

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117078.D
 Acq On : 16 Sep 2019 23:18
 Operator : HP/JU
 Sample : K4846-06 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:17:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	59728	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	240220	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	109853	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	156329	20.00	ng	0.00
76) Chrysene-d12	13.97	240	111190	20.00	ng	0.00
87) Perylene-d12	15.42	264	83505	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	143645	37.55	ng	0.00
7) Phenol-d6	6.46	99	209295	42.33	ng	0.00
23) Nitrobenzene-d5	7.39	82	120772	26.42	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	33252	36.22	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	223989	31.88	ng	0.00
79) Terphenyl-d14	12.92	244	190041	31.95	ng	0.00

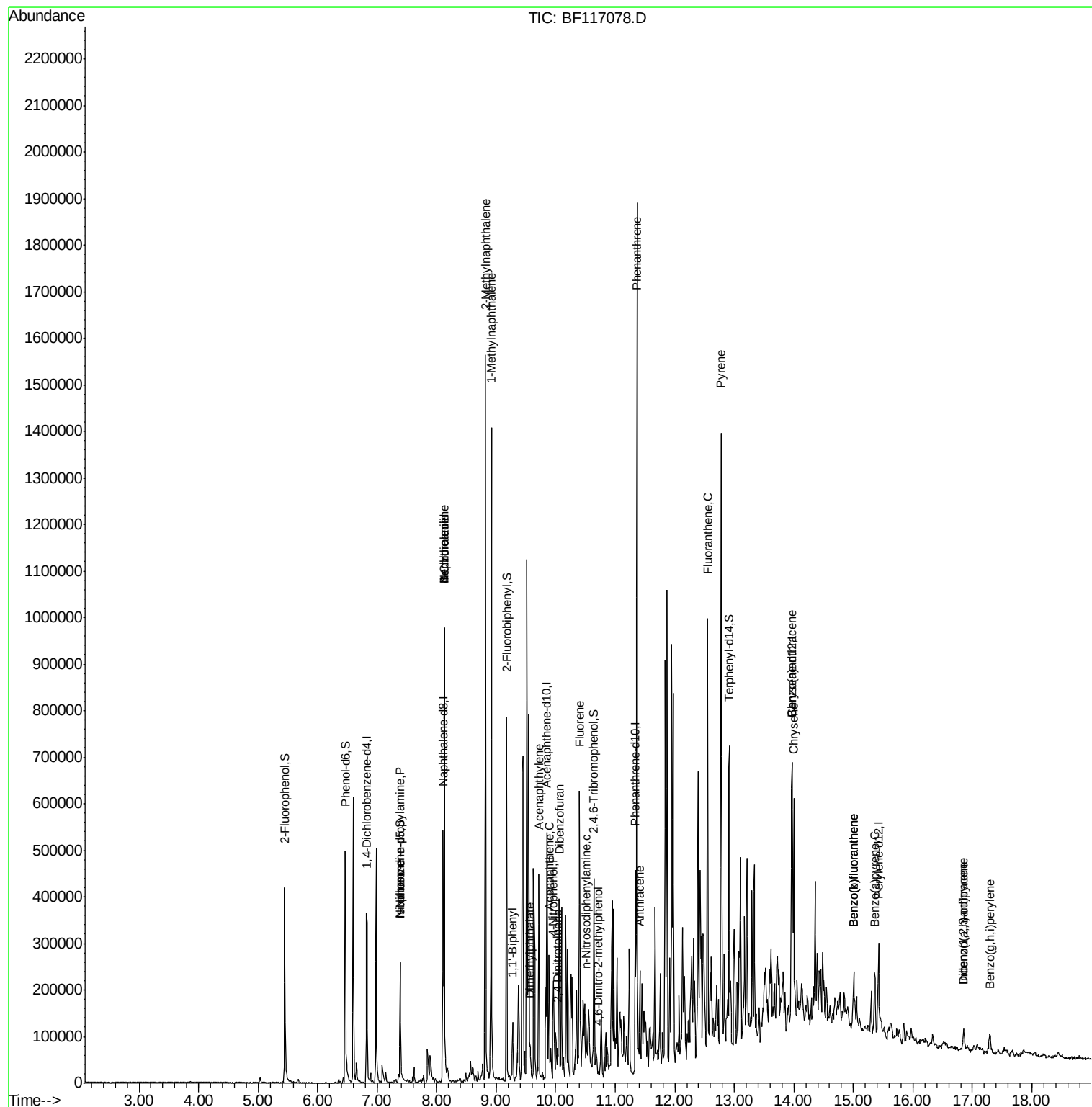
Target Compounds				Qvalue		
9) Benzaldehyde	6.38	77	392	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.38	70	16543	5.495 ng	#	76
25) Isophorone	7.39	82	120771	14.919 ng	#	66
31) Naphthalene	8.13	128	421523	36.486 ng		99
32) Benzoic acid	8.13	122	1019	6.972 ng	#	1
33) 4-Chloroaniline	8.13	127	54226	10.582 ng	#	32
37) 2-Methylnaphthalene	8.82	142	399854	51.397 ng		98
38) 1-Methylnaphthalene	8.92	142	360092	49.420 ng		97
46) 1,1'-Biphenyl	9.27	154	38700	4.491 ng		95
49) Acenaphthylene	9.72	152	45563	4.472 ng	#	77
50) Dimethylphthalate	9.57	163	17289	2.223 ng	#	95
52) Acenaphthene	9.89	154	44981	7.448 ng		93
55) Dibenzofuran	10.06	168	18185	2.041 ng	#	31
56) 4-Nitrophenol	9.96	139	5541	4.277 ng	#	16
57) 2,4-Dinitrotoluene	10.03	165	4159	2.023 ng	#	42
58) Fluorene	10.40	166	147353	20.530 ng		99
65) 4,6-Dinitro-2-methylphenol	10.72	198	332	7.301 ng	#	63
66) n-Nitrosodiphenylamine	10.51	169	15200	2.815 ng	#	80
71) Phenanthrene	11.36	178	680168	76.601 ng		99
72) Anthracene	11.41	178	79008	8.715 ng		98
75) Fluoranthene	12.55	202	298417	32.708 ng		97
78) Pyrene	12.78	202	519773	55.712 ng		100
81) Benzo(a)anthracene	13.96	228	150409	20.247 ng	#	94
83) Chrysene	14.00	228	178647	24.657 ng	#	95
86) Indeno(1,2,3-cd)pyrene	16.85	276	26507	5.015 ng		97
88) Benzo(b)fluoranthene	15.00	252	86675	17.136 ng		98
89) Benzo(k)fluoranthene	15.00	252	86675	18.089 ng		98
90) Benzo(a)pyrene	15.36	252	63735	14.359 ng		94
91) Dibenzo(a,h)anthracene	16.86	278	8869	2.508 ng	#	73
92) Benzo(g,h,i)perylene	17.29	276	33173	9.415 ng		99

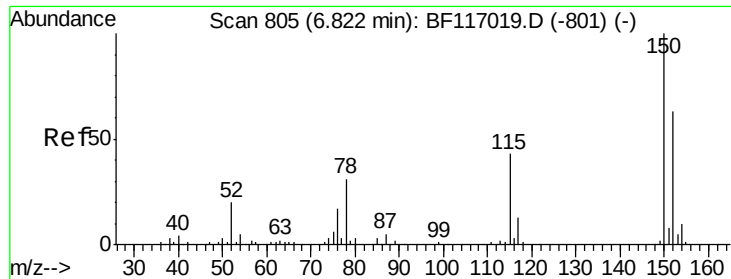
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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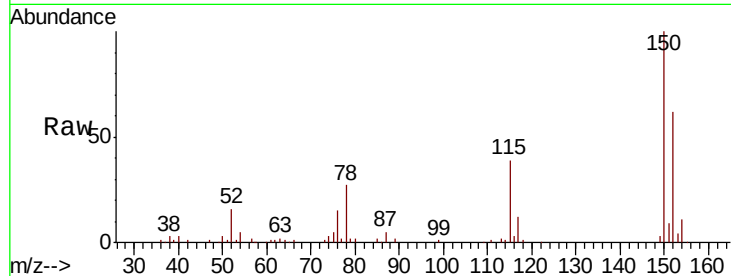


#1

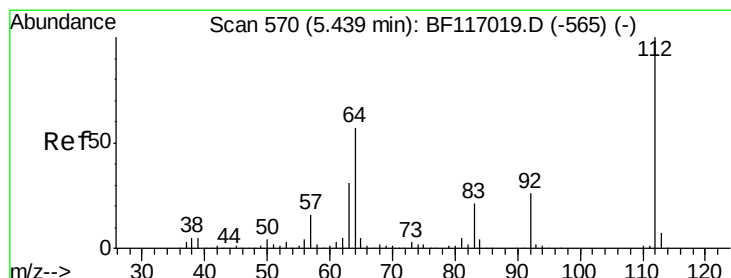
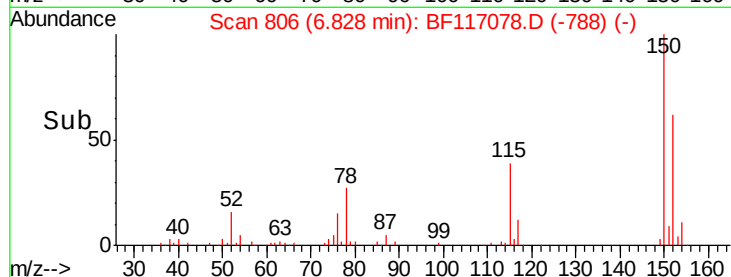
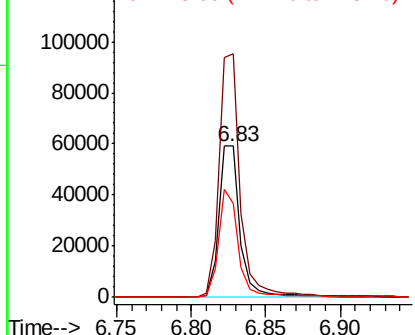
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 59728
Ion Ratio Lower Upper
152 100
150 161.0 127.5 191.3
115 62.4 55.0 82.4



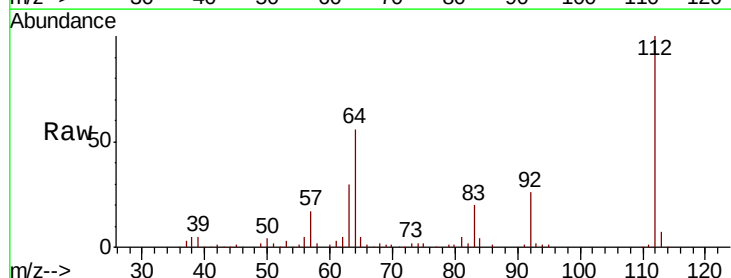
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



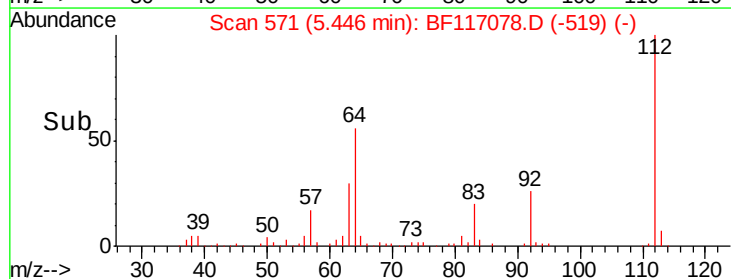
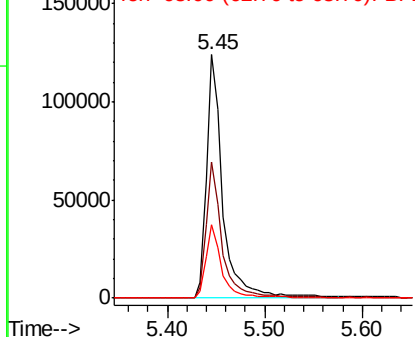
#5

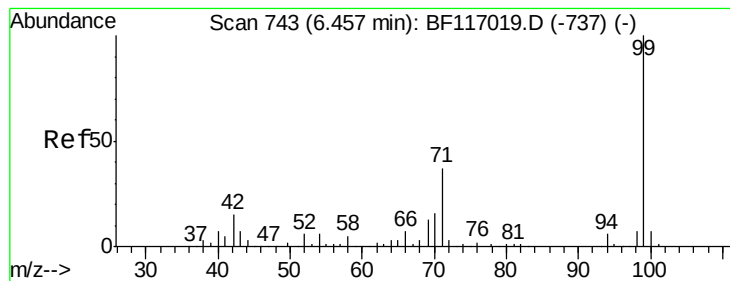
2-Fluorophenol
Concen: 37.548 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Tgt Ion:112 Resp: 143645
Ion Ratio Lower Upper
112 100
64 56.1 45.7 68.5
63 30.0 24.9 37.3



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: 42.332 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

Instrument :

BNA_F

ClientSampled :

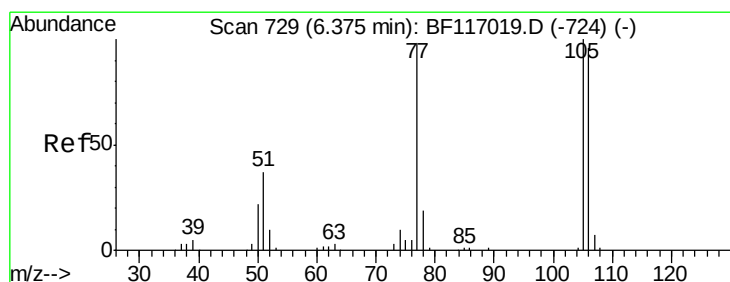
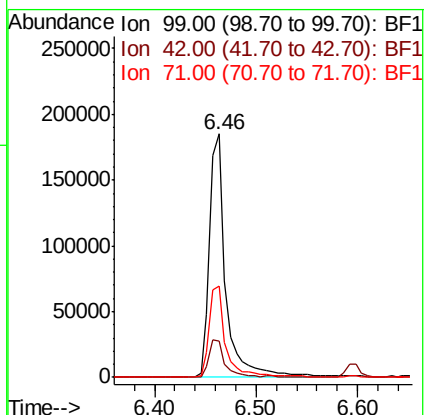
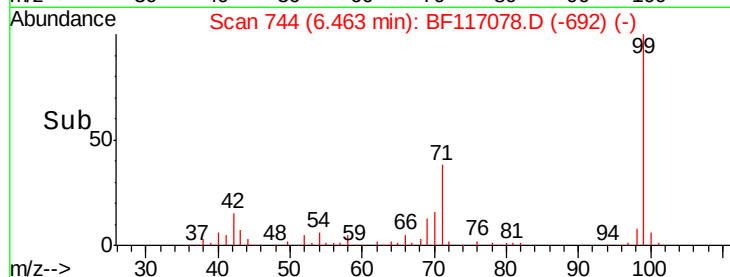
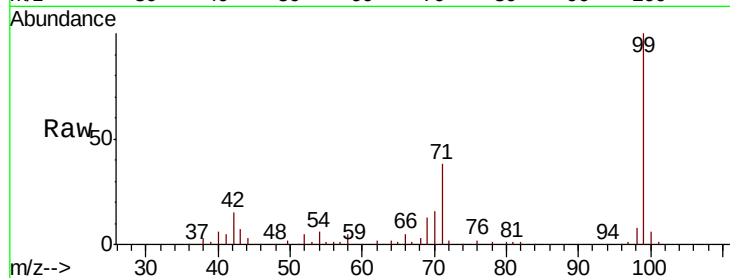
Tot Ion: 99 Resp: 209295

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

71 37.5 29.8 44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

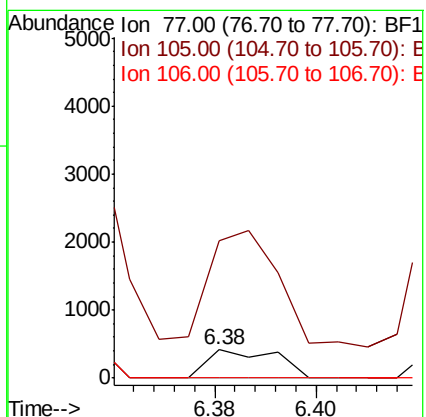
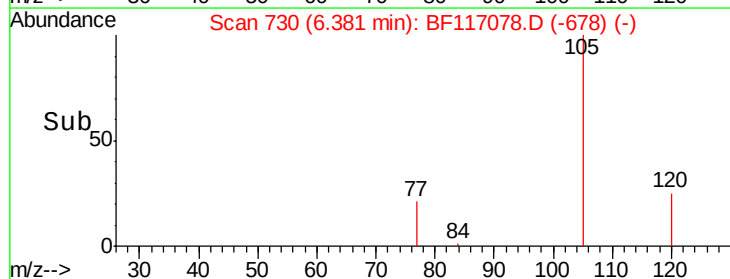
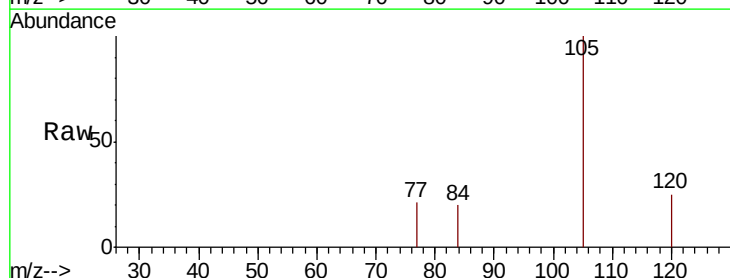
Tgt Ion: 77 Resp: 392

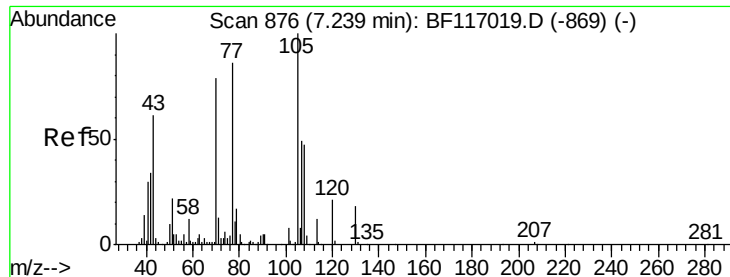
Ion Ratio Lower Upper

77 100

105 483.5 81.8 121.8#

106 0.0 77.3 117.3#

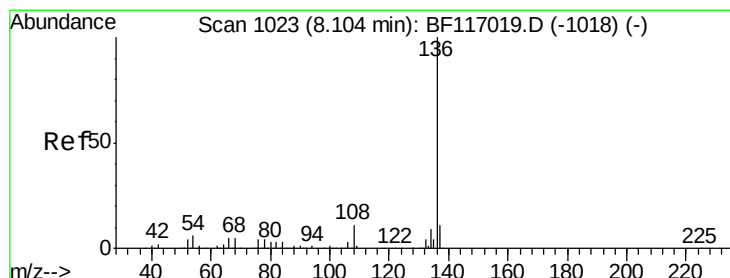
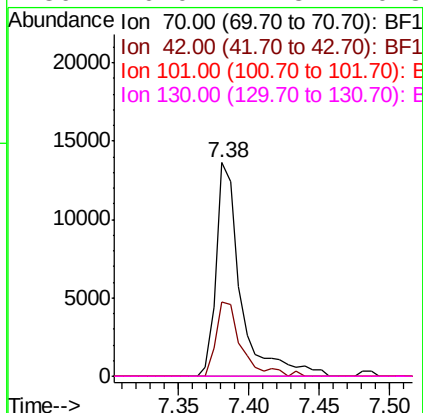
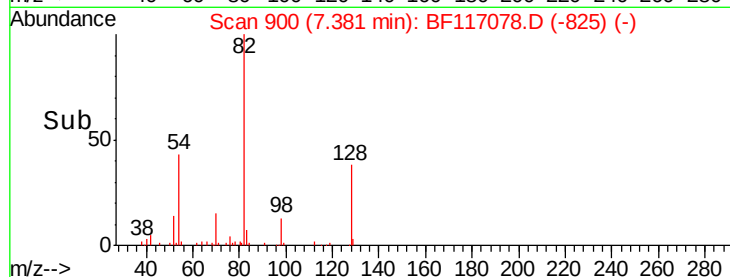
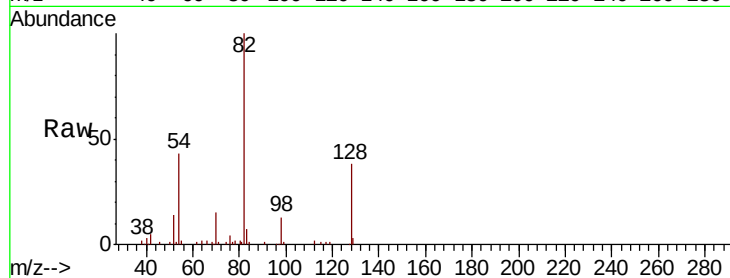




#19
n-Nitroso-di-n-propylamine
Concen: 5.495 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

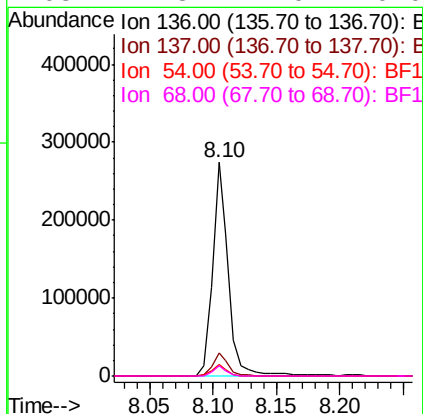
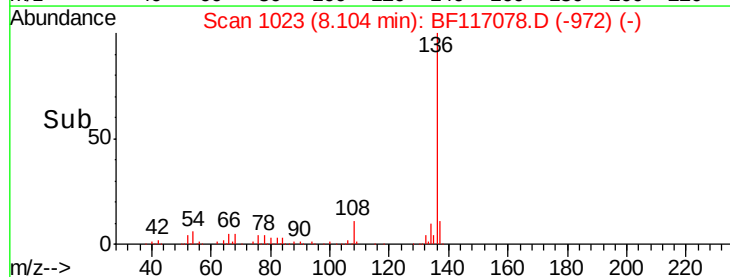
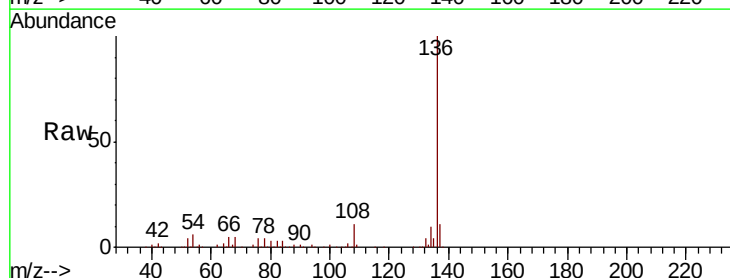
Instrument :
BNA_F
ClientSampleId :

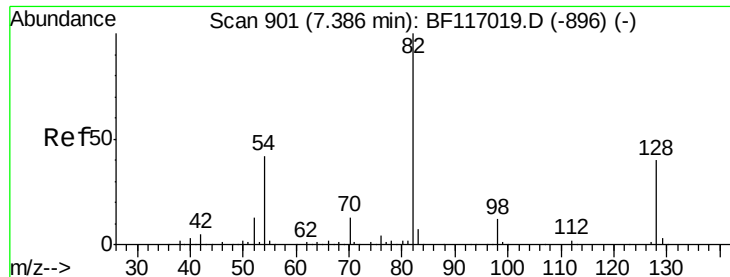
Tot Ion: 70 Resp: 16543
Ion Ratio Lower Upper
70 100
42 34.9 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Tgt Ion: 136 Resp: 240220
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 5.7 4.5 6.7
68 4.8 4.0 6.0

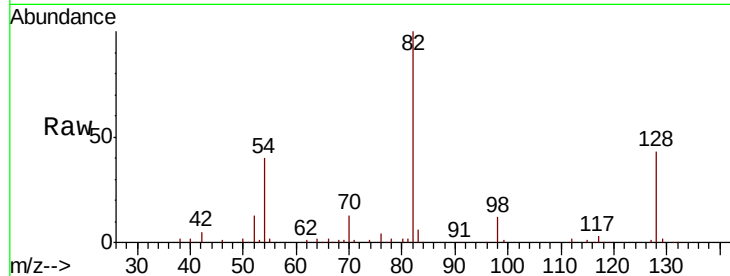




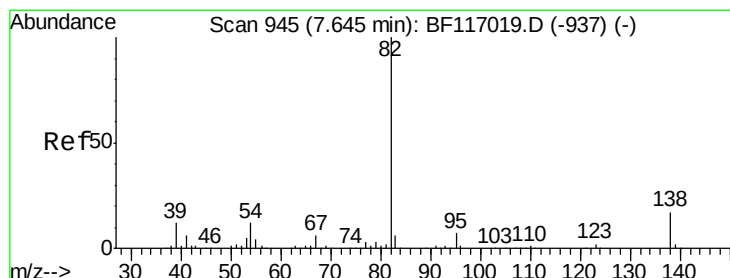
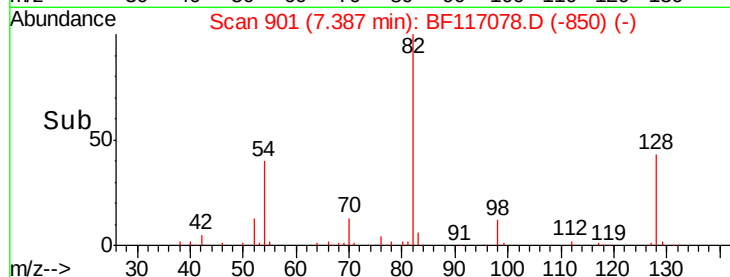
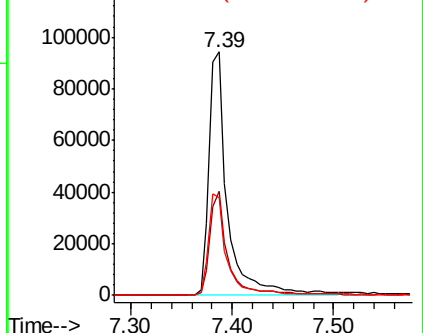
#23
 Nitrobenzene-d5
 Concen: 26.416 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117078.D
 Acq: 16 Sep 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 120772
 Ion Ratio Lower Upper
 82 100
 128 42.6 32.3 48.5
 54 39.9 33.3 49.9

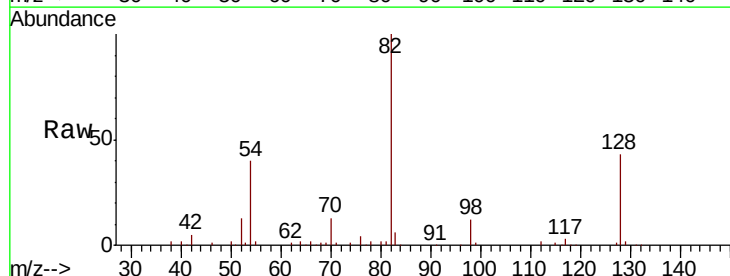


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

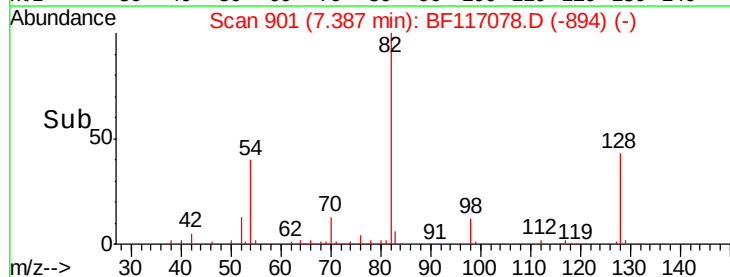
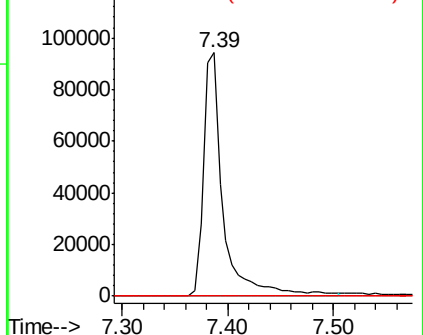


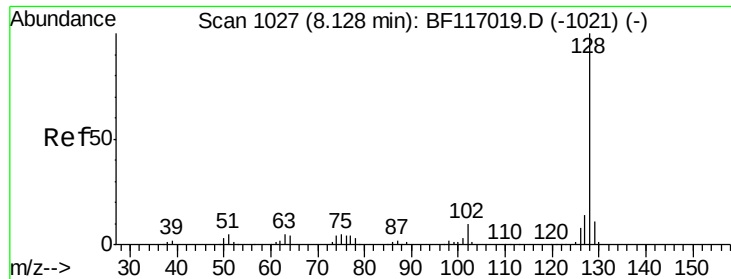
#25
 Isophorone
 Concen: 14.919 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117078.D
 Acq: 16 Sep 2019 23:18

Tgt Ion: 82 Resp: 120771
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.8 8.6#
 138 0.0 13.5 20.3#



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

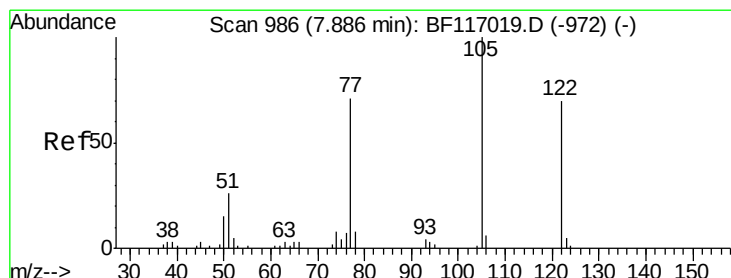
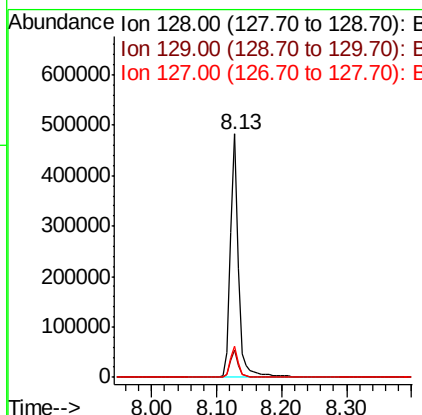
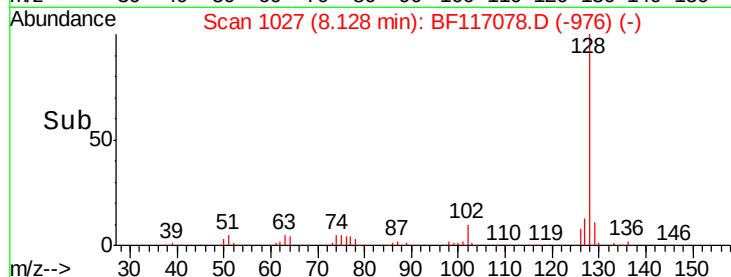
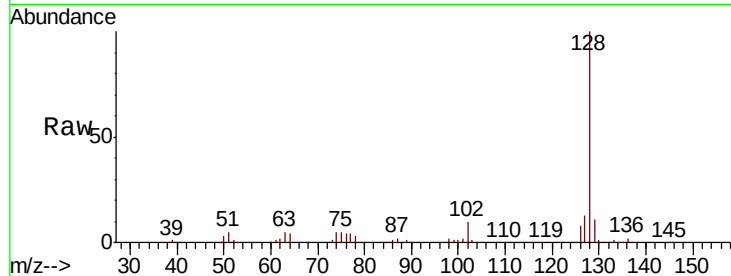




#31
Naphthalene
Concen: 36.486 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

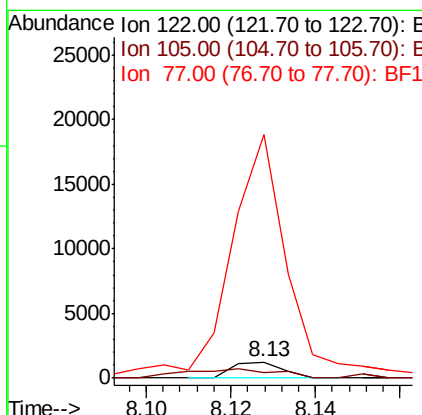
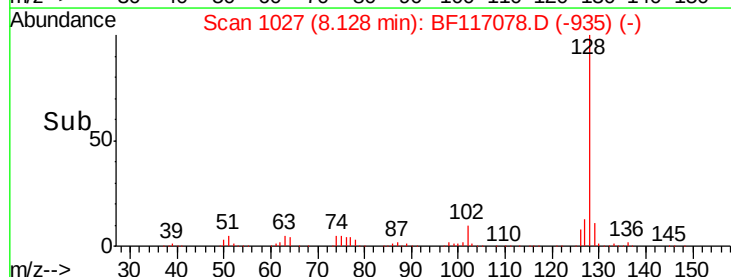
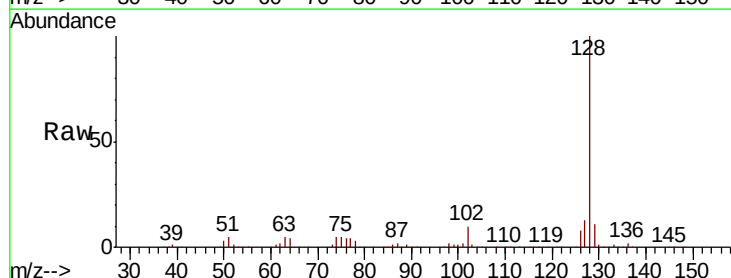
Instrument :
BNA_F
ClientSampleId :

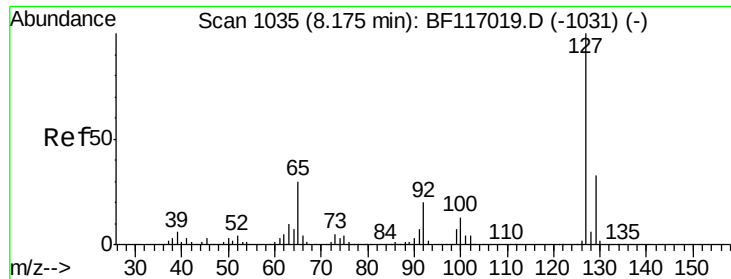
Tot Ion:128 Resp: 421523
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.9 10.8 16.2



#32
Benzoic acid
Concen: 6.972 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.24 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Tgt Ion:122 Resp: 1019
Ion Ratio Lower Upper
122 100
105 32.4 114.8 154.8#
77 1532.3 78.7 118.7#

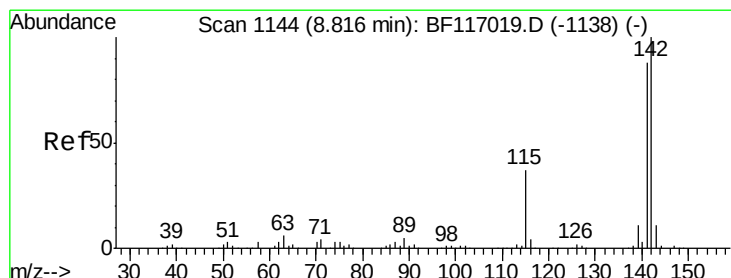
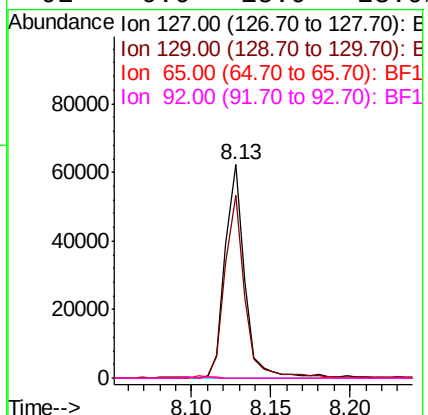
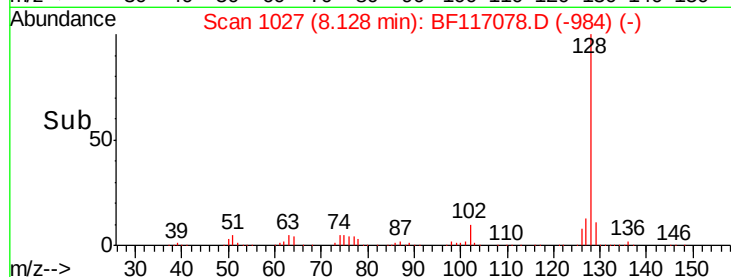
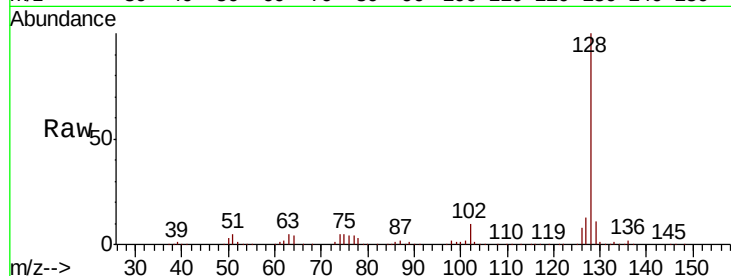




#33
4-Chloroaniline
Concen: 10.582 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.05 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

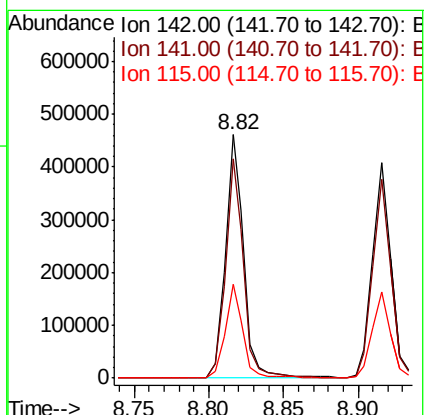
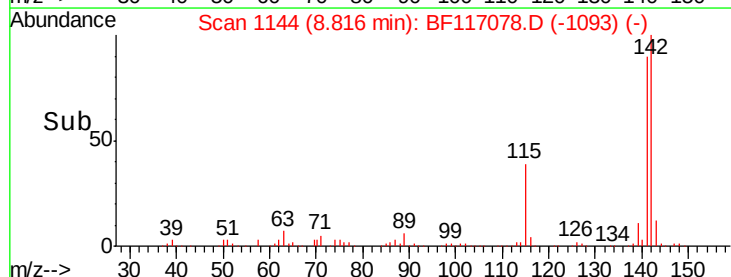
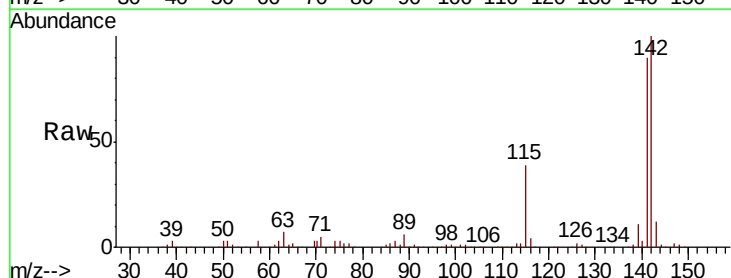
Instrument :
BNA_F
ClientSampleId :

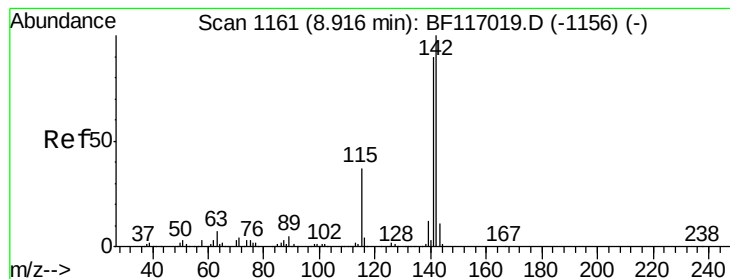
Tot Ion:127	Resp:	54226
Ion Ratio	Lower	Upper
127	100	
129	85.7	26.2 39.2#
65	0.0	23.5 35.3#
92	0.0	15.9 23.9#



#37
2-Methylnaphthalene
Concen: 51.397 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Tgt Ion:142	Resp:	399854
Ion Ratio	Lower	Upper
142	100	
141	90.0	70.7 106.1
115	38.6	29.4 44.0





#38

1-Methylnaphthalene

Concen: 49.420 ng

RT: 8.92 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

Instrument :

BNA_F

ClientSampleId :

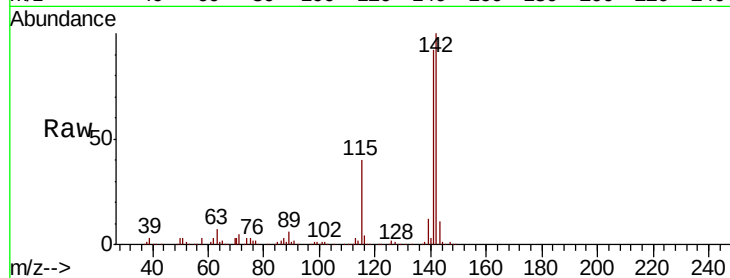
Tot Ion:142 Resp: 360092

Ion Ratio Lower Upper

142 100

141 92.4 71.9 107.9

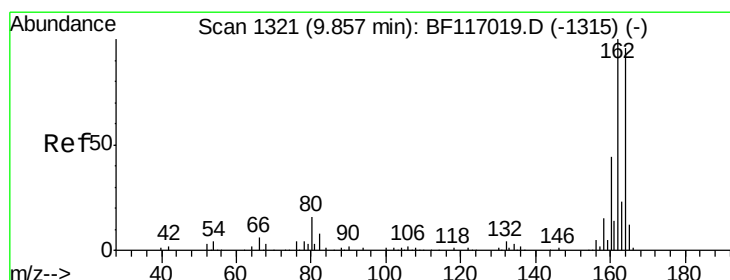
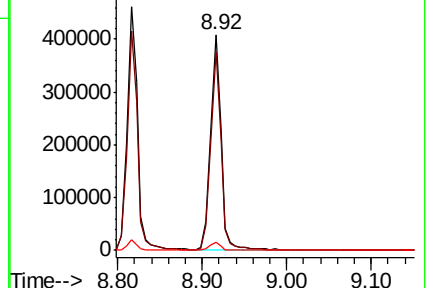
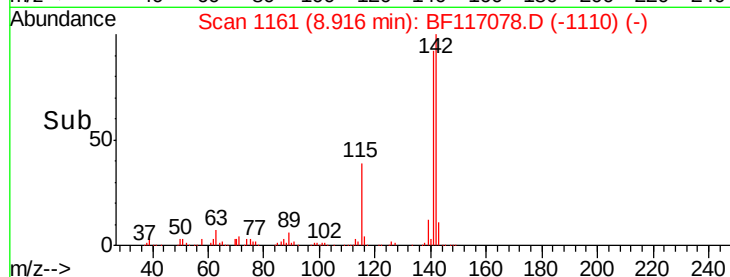
116 4.0 3.2 4.8



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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

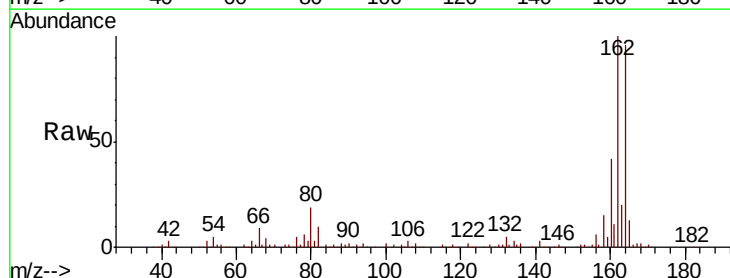
Tgt Ion:164 Resp: 109853

Ion Ratio Lower Upper

164 100

162 103.9 83.4 125.2

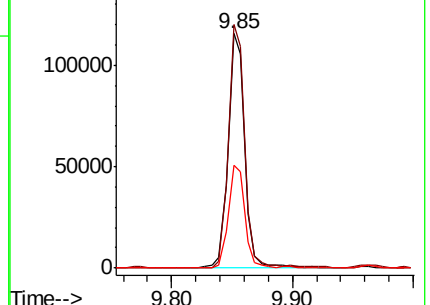
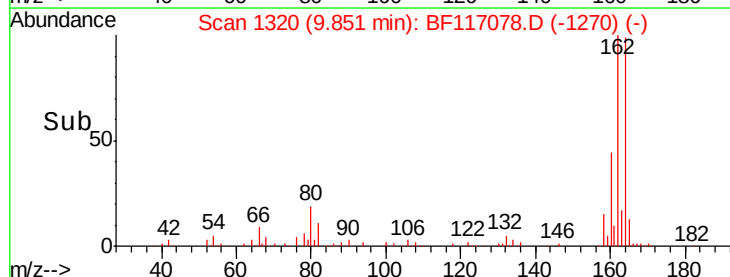
160 43.9 36.4 54.6

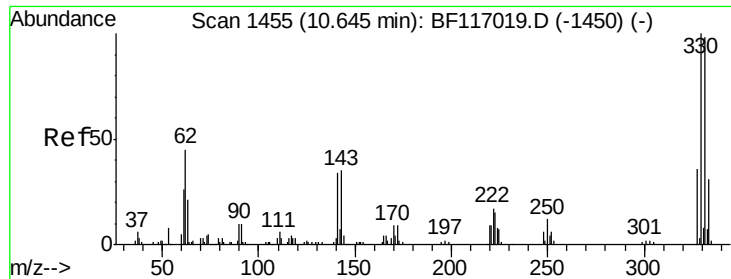


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

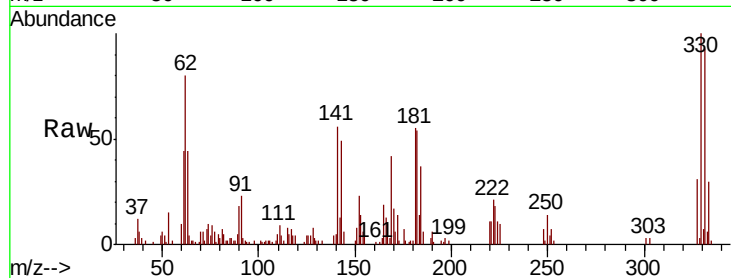




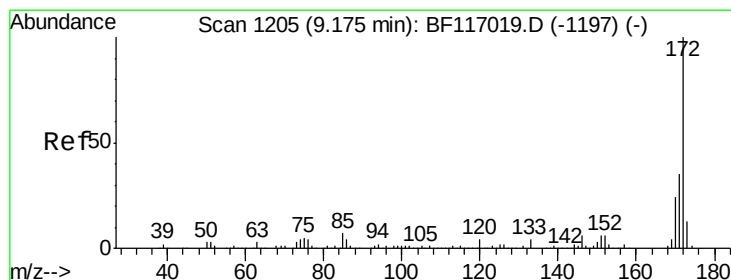
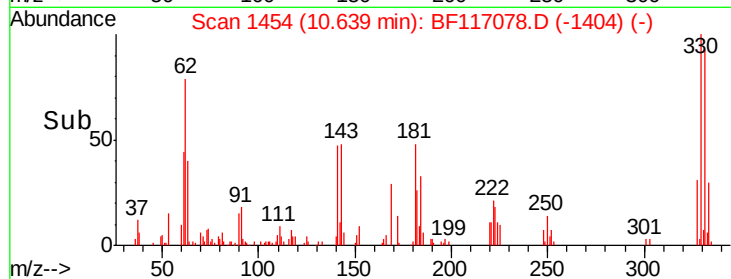
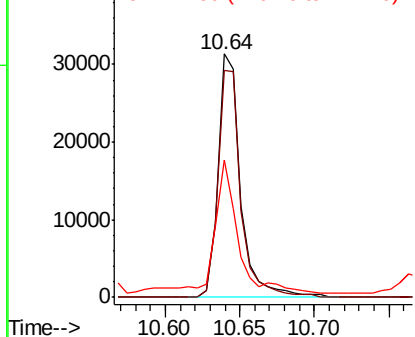
#42
 2,4,6-Tribromophenol
 Concen: 36.218 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117078.D
 Acq: 16 Sep 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 33252
 Ion Ratio Lower Upper
 330 100
 332 95.3 78.0 117.0
 141 58.5 35.8 53.6#

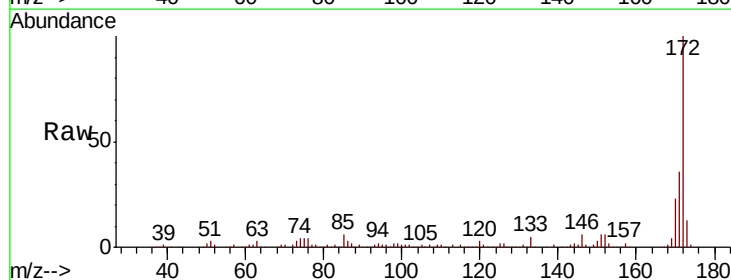


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

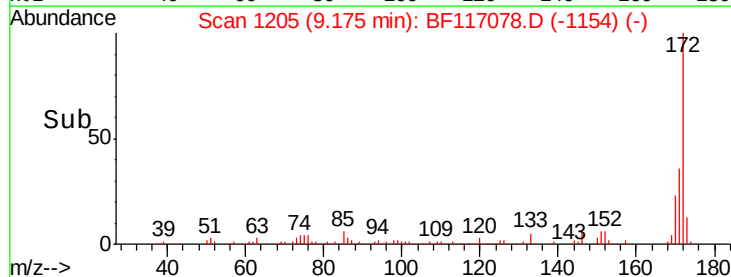
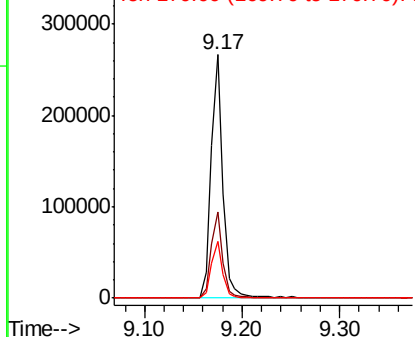


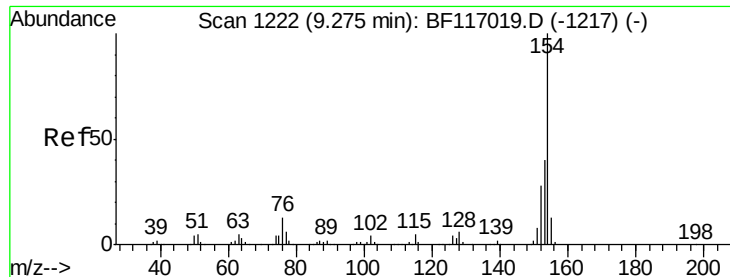
#45
 2-Fluorobiphenyl
 Concen: 31.881 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117078.D
 Acq: 16 Sep 2019 23:18

Tgt Ion:172 Resp: 223989
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.2 42.2
 170 23.1 18.9 28.3



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

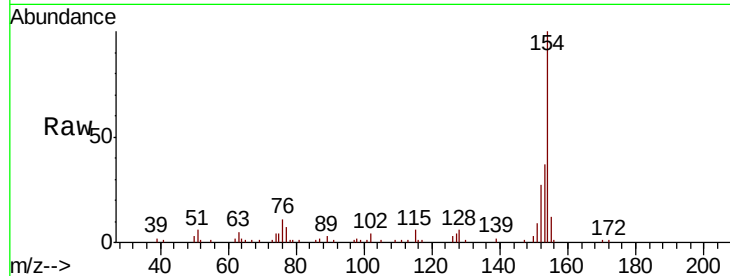




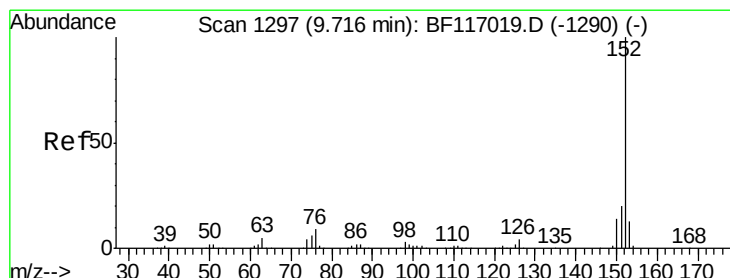
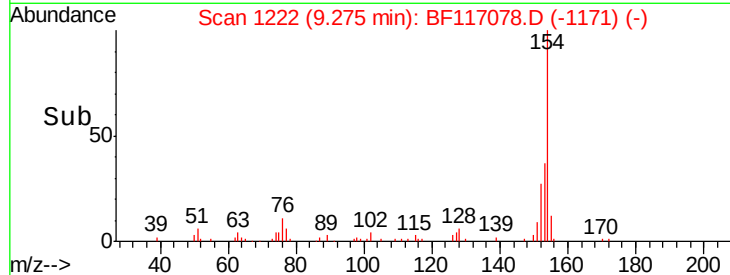
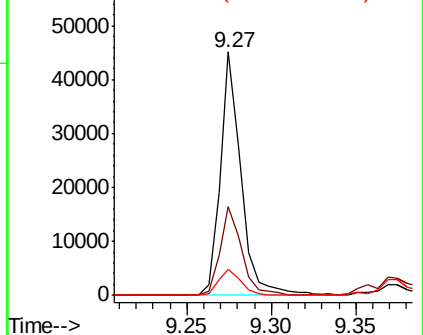
#46
 1,1'-Biphenyl
 Concen: 4.491 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BF117078.D
 Acq: 16 Sep 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 38700
 Ion Ratio Lower Upper
 154 100
 153 36.5 20.0 60.0
 76 10.9 0.0 32.7

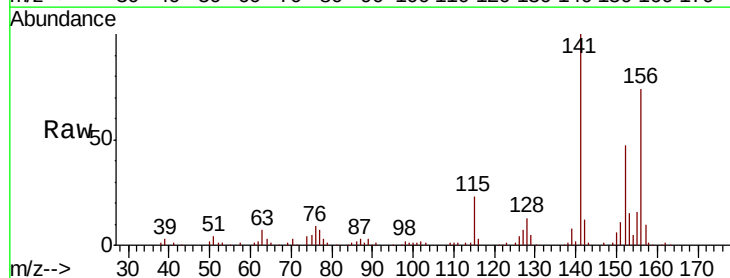


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

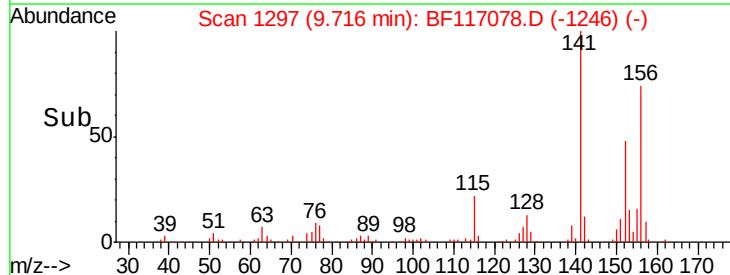
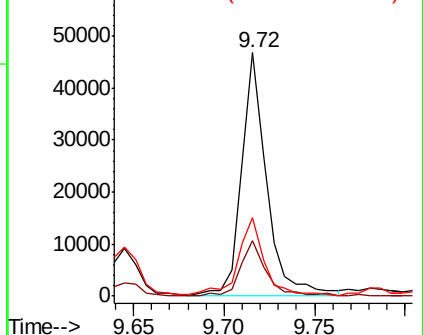


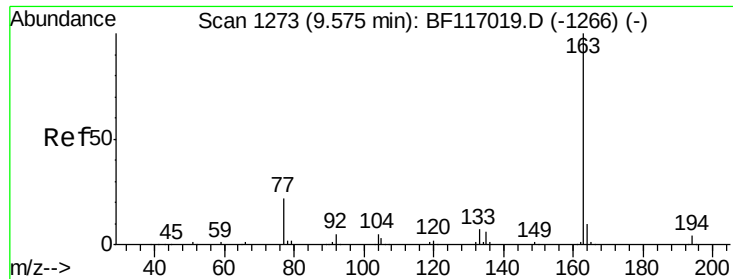
#49
 Acenaphthylene
 Concen: 4.472 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: BF117078.D
 Acq: 16 Sep 2019 23:18

Tgt Ion:152 Resp: 45563
 Ion Ratio Lower Upper
 152 100
 151 22.9 16.2 24.2
 153 32.2 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

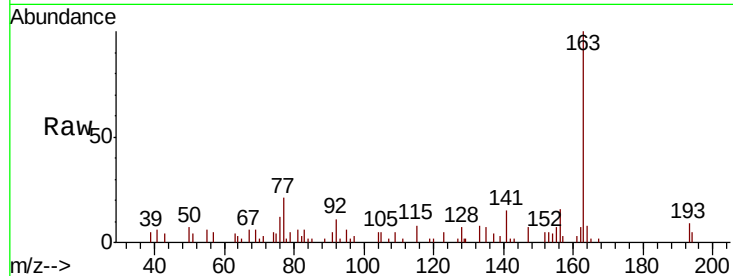




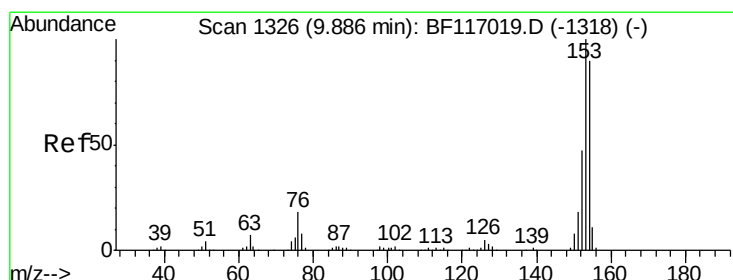
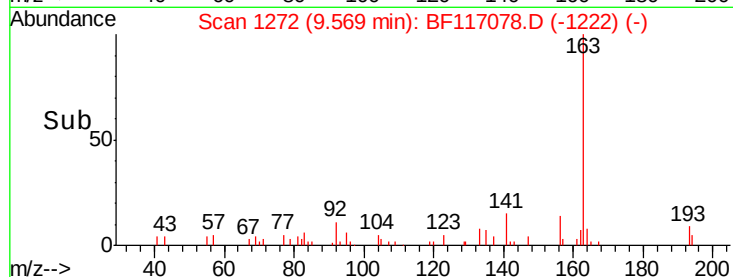
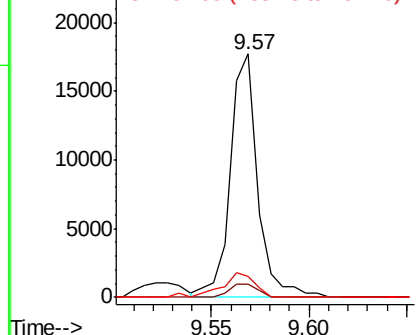
#50
Dimethylphthalate
Concen: 2.223 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 17289
Ion Ratio Lower Upper
163 100
194 5.3 2.9 4.3#
164 8.5 8.2 12.4

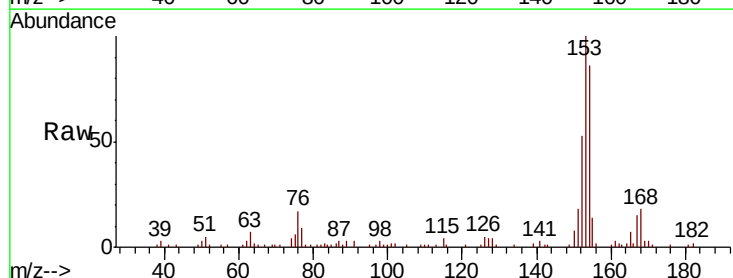


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

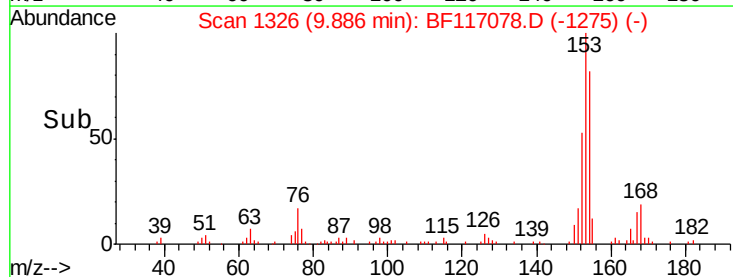
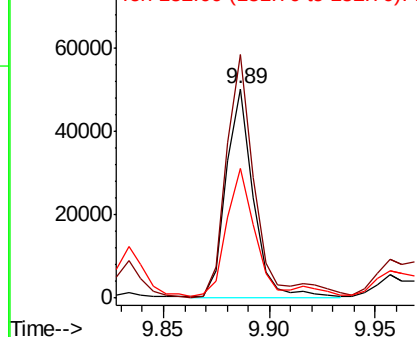


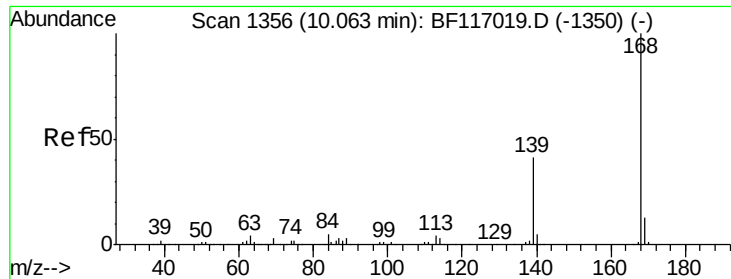
#52
Acenaphthene
Concen: 7.448 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Tgt Ion:154 Resp: 44981
Ion Ratio Lower Upper
154 100
153 116.2 89.0 133.6
152 62.0 41.9 62.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

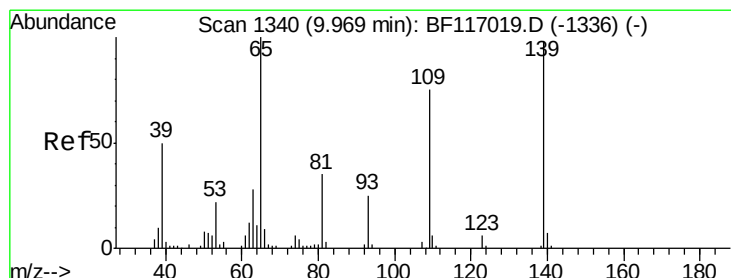
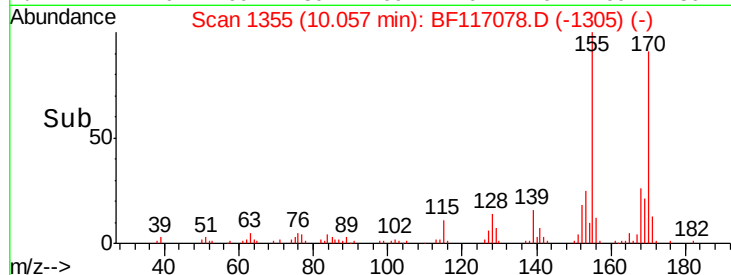
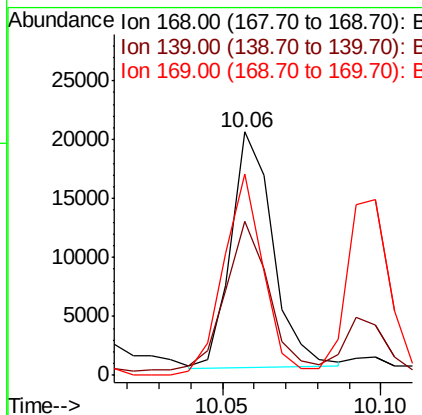
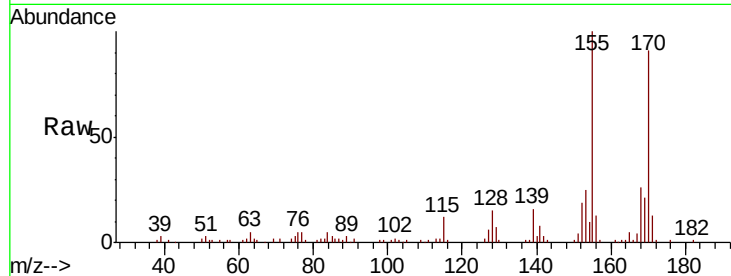




#55
Dibenzofuran
Concen: 2.041 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

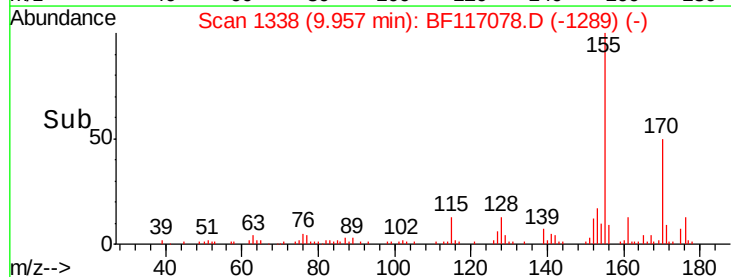
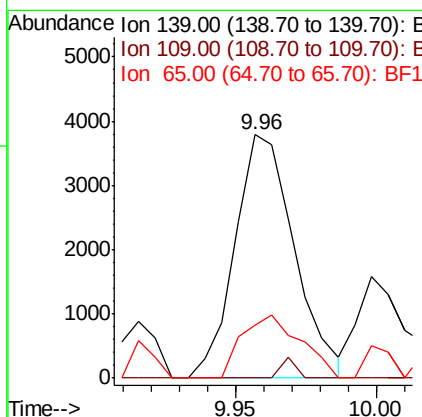
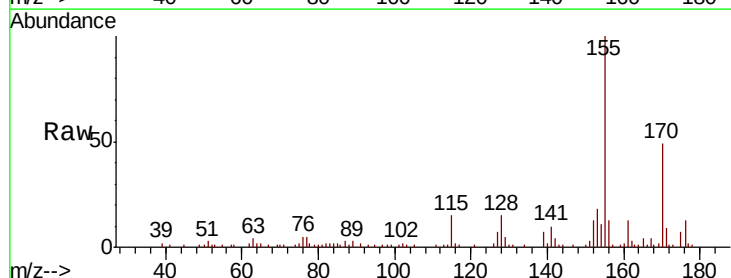
Instrument :
BNA_F
ClientSampleId :

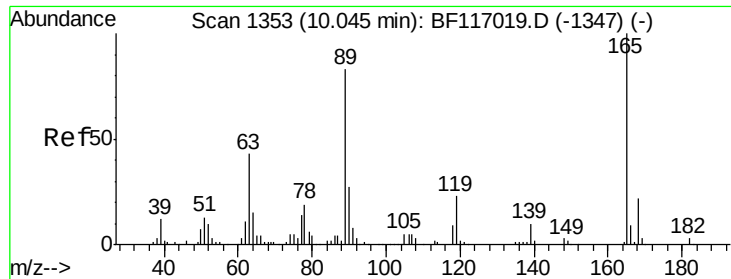
Tot Ion:168 Resp: 18185
Ion Ratio Lower Upper
168 100
139 63.0 32.8 49.2#
169 82.7 10.5 15.7#



#56
4-Nitrophenol
Concen: 4.277 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Tgt Ion:139 Resp: 5541
Ion Ratio Lower Upper
139 100
109 0.0 56.4 96.4#
65 21.8 82.5 122.5#





#57

2,4-Dinitrotoluene

Concen: 2.023 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.02 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 4159

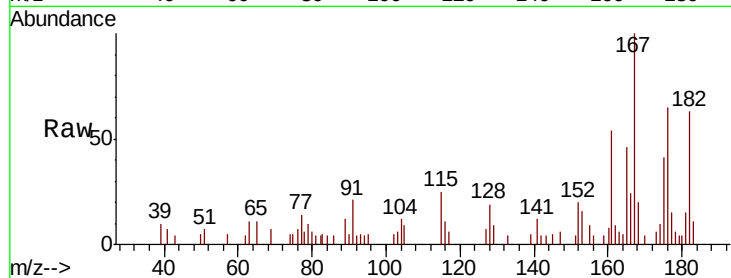
Ion Ratio Lower Upper

165 100

63 24.8 35.0 52.4#

89 25.8 66.1 99.1#

182 137.5 2.0 3.0#

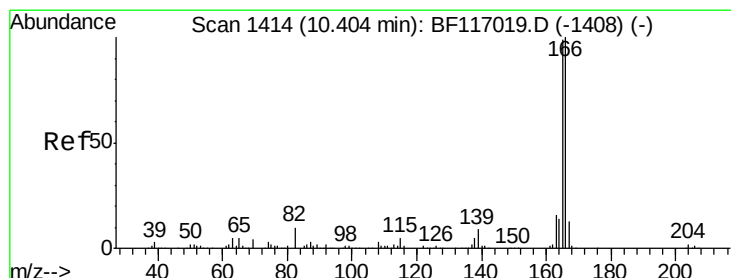
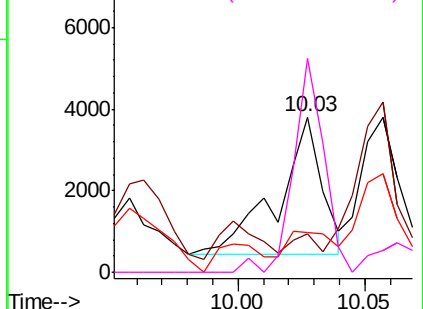
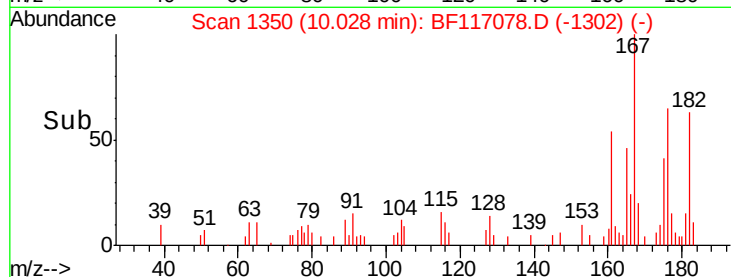


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: 20.530 ng

RT: 10.40 min Scan# 1414

Delta R.T. 0.00 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

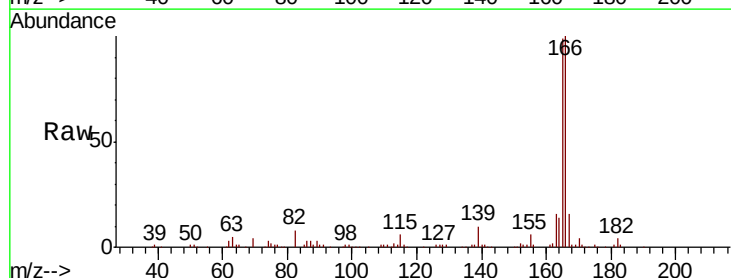
Tgt Ion:166 Resp: 147353

Ion Ratio Lower Upper

166 100

165 99.0 78.9 118.3

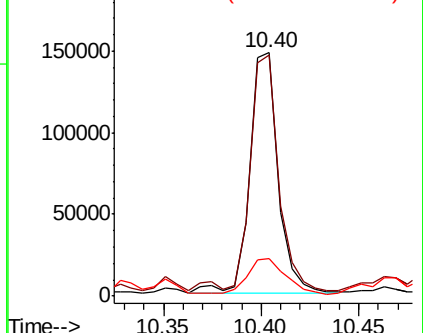
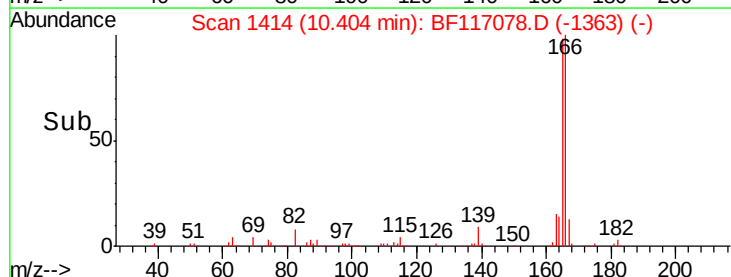
167 15.6 10.6 15.8

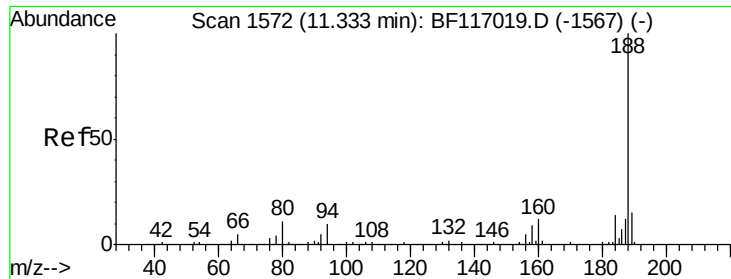


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

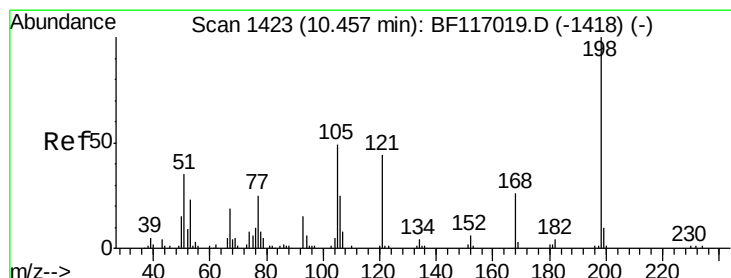
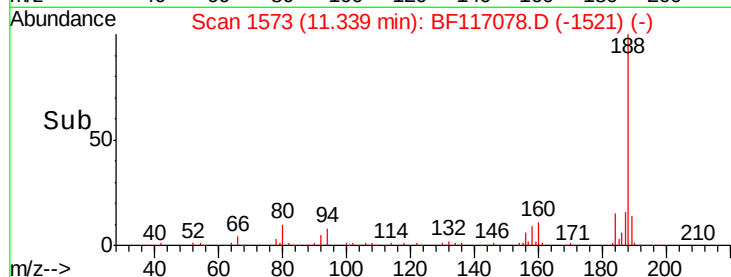
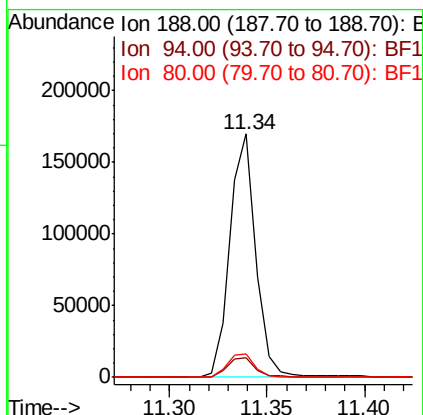
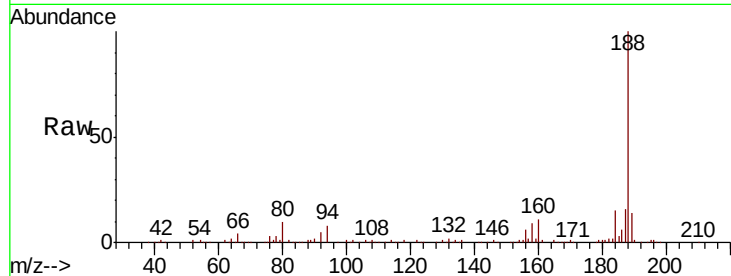




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

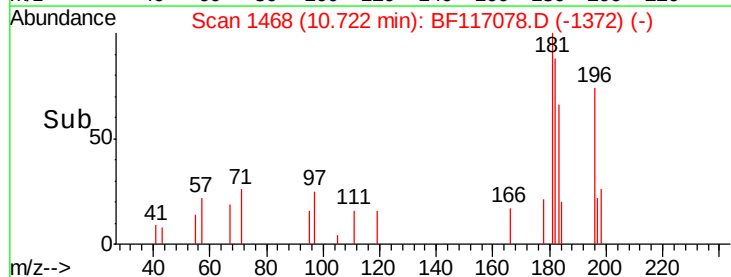
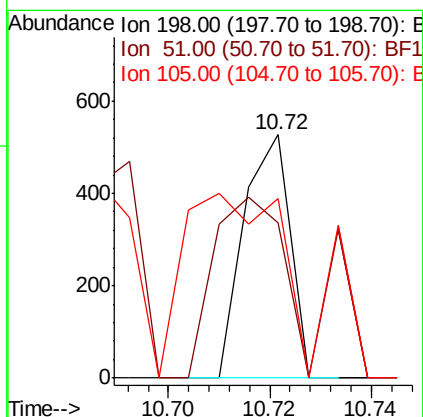
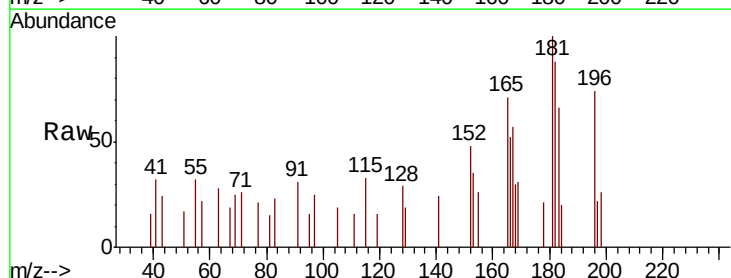
Instrument :
BNA_F
ClientSampled :

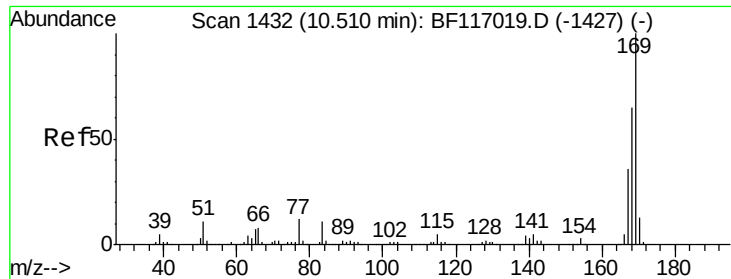
Tot Ion:188 Resp: 156329
Ion Ratio Lower Upper
188 100
94 7.9 8.2 12.2#
80 9.6 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.301 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.27 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Tgt Ion:198 Resp: 332
Ion Ratio Lower Upper
198 100
51 63.6 18.7 58.7#
105 74.0 30.2 70.2#

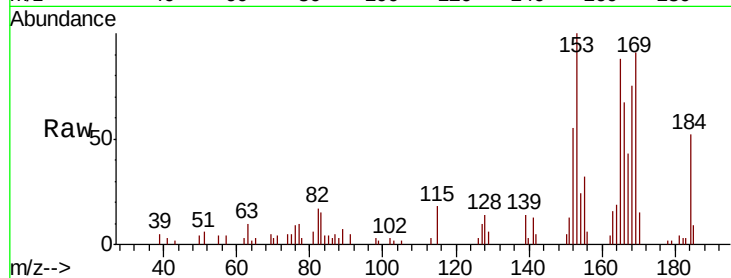




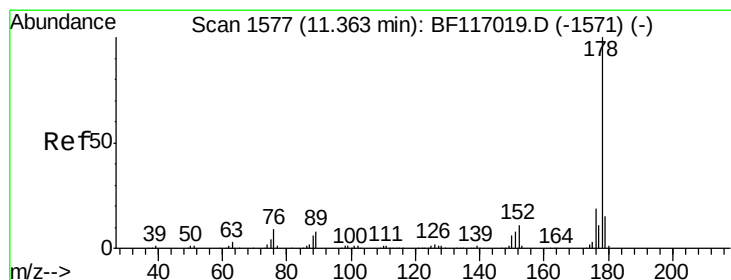
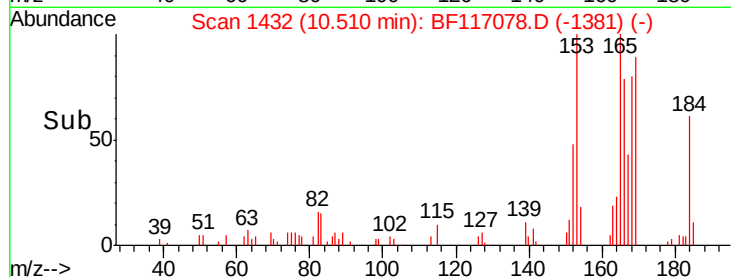
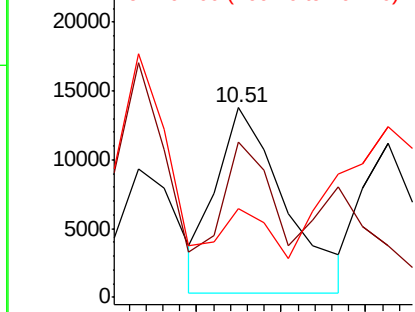
#66
 n-Nitrosodiphenylamine
 Concen: 2.815 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: BF117078.D
 Acq: 16 Sep 2019 23:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 15200
 Ion Ratio Lower Upper
 169 100
 168 81.8 52.2 78.2#
 167 47.0 28.8 43.2#

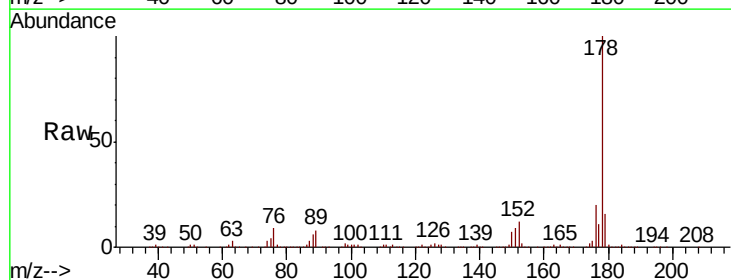


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

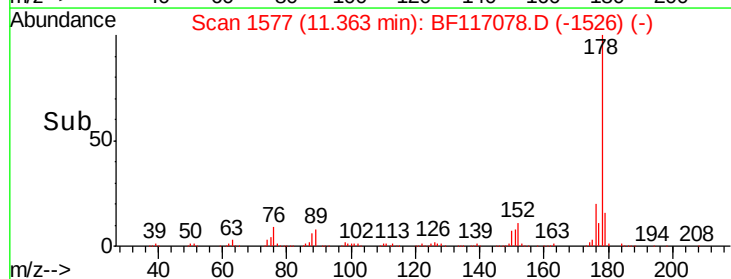
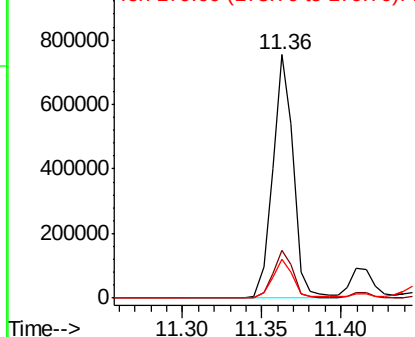


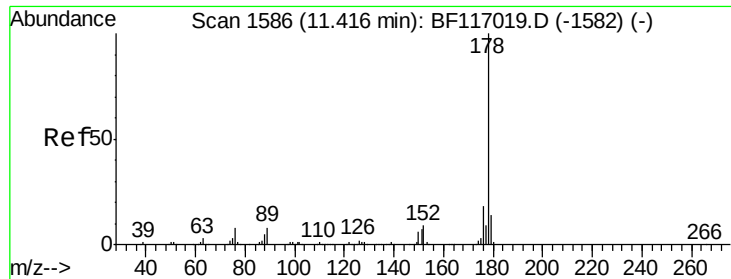
#71
 Phenanthrene
 Concen: 76.601 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: BF117078.D
 Acq: 16 Sep 2019 23:18

Tgt Ion:178 Resp: 680168
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.2
 179 16.1 12.4 18.6



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: 8.715 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

Instrument :

BNA_F

ClientSampleId :

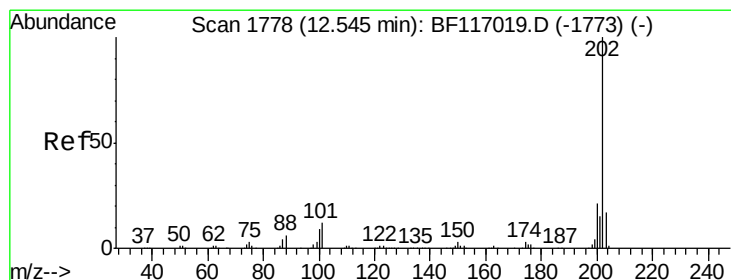
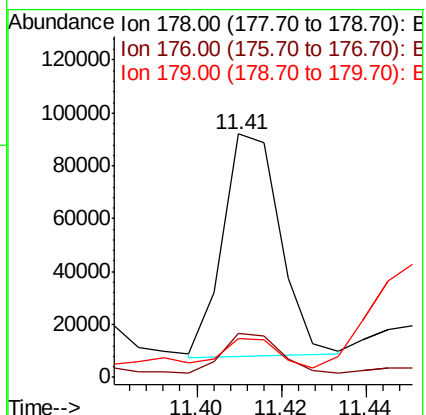
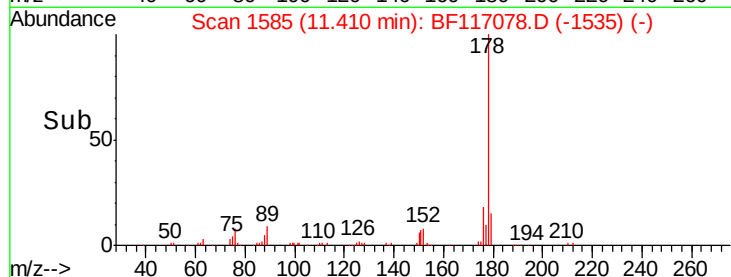
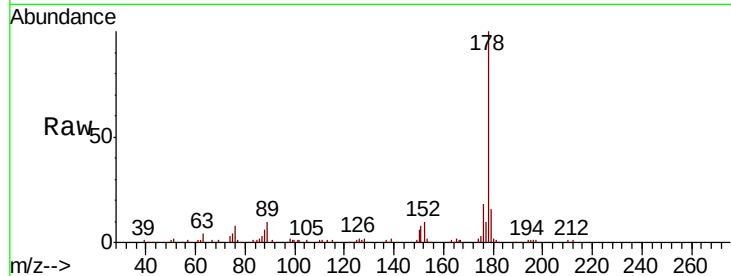
Tot Ion:178 Resp: 79008

Ion Ratio Lower Upper

178 100

176 17.8 14.6 21.8

179 15.9 11.6 17.4



#75

Fluoranthene

Concen: 32.708 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

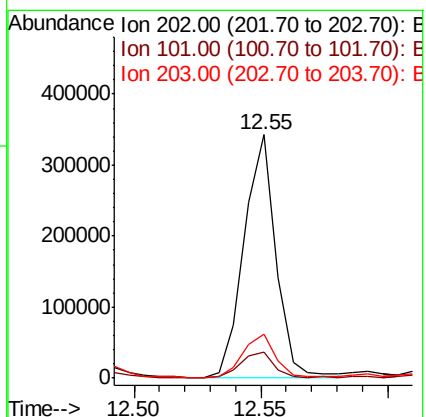
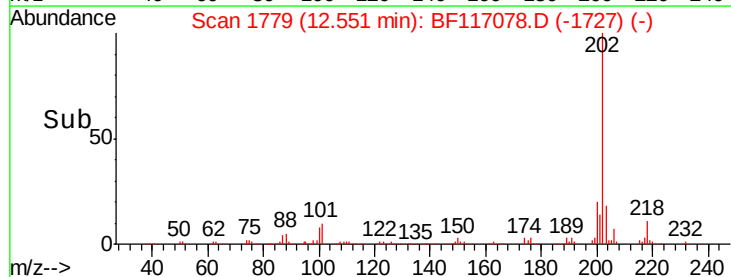
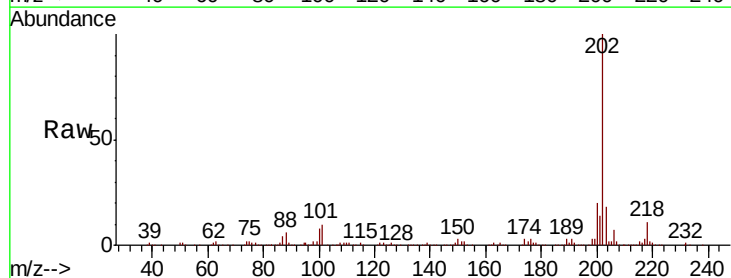
Tgt Ion:202 Resp: 298417

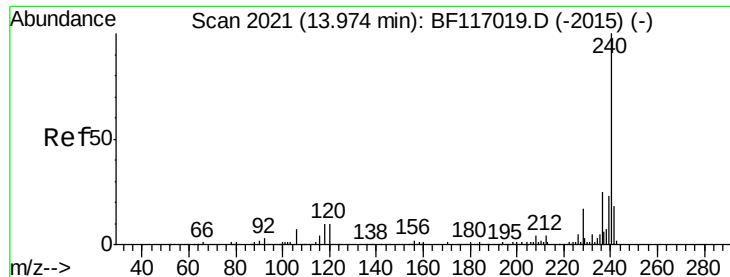
Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.3

203 18.2 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

Instrument :

BNA_F

ClientSampleId :

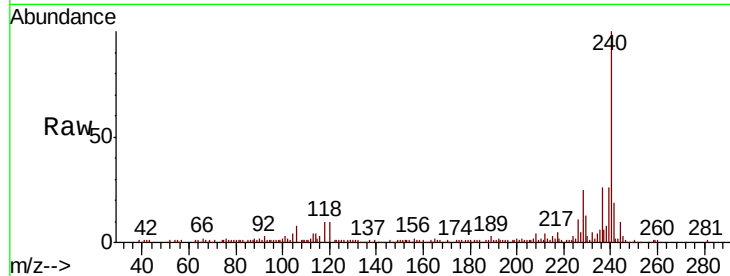
Tot Ion:240 Resp: 111190

Ion Ratio Lower Upper

240 100

120 9.8 8.3 12.5

236 25.6 20.3 30.5



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

13.97

150000

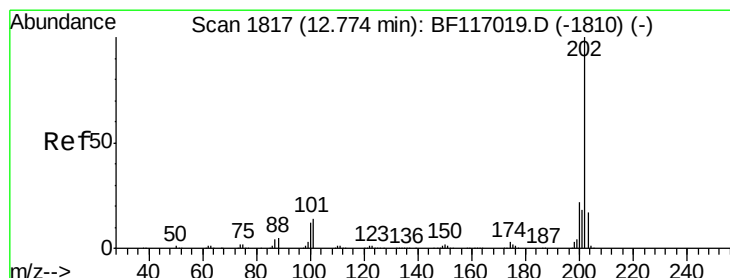
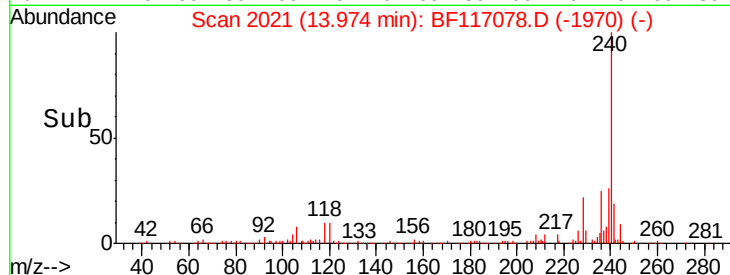
100000

50000

0

13.90 14.00

Time-->



#78

Pyrene

Concen: 55.712 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

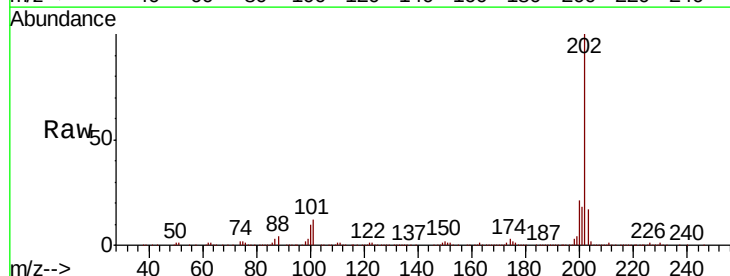
Tgt Ion:202 Resp: 519773

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.4 14.0 21.0



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

12.78

800000

600000

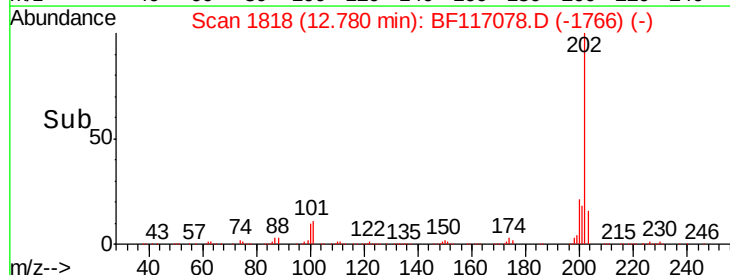
400000

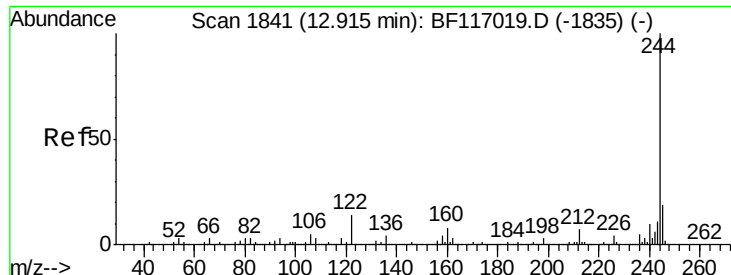
200000

0

12.75 12.80

Time-->

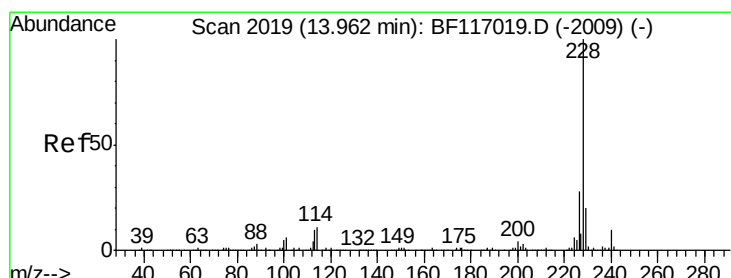
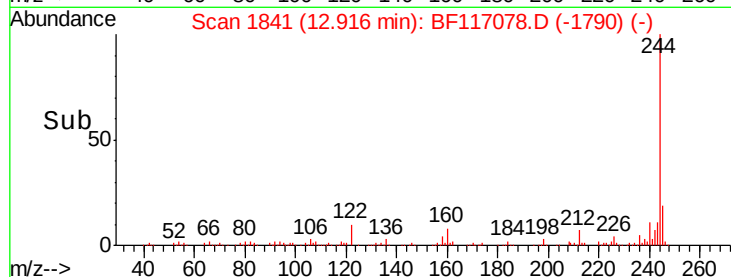
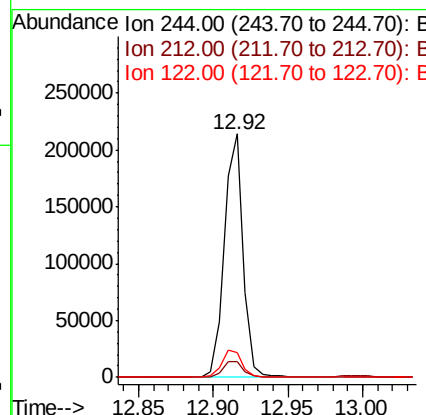
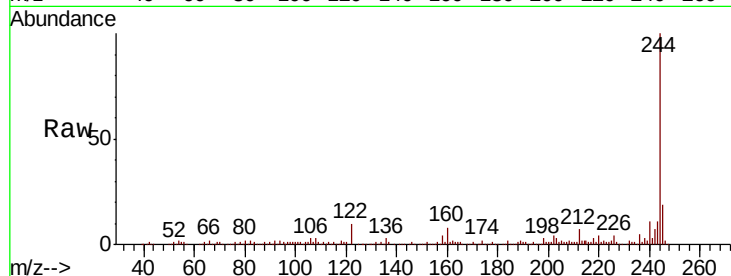




#79
 Terphenyl-d14
 Concen: 31.948 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117078.D
 Acq: 16 Sep 2019 23:18

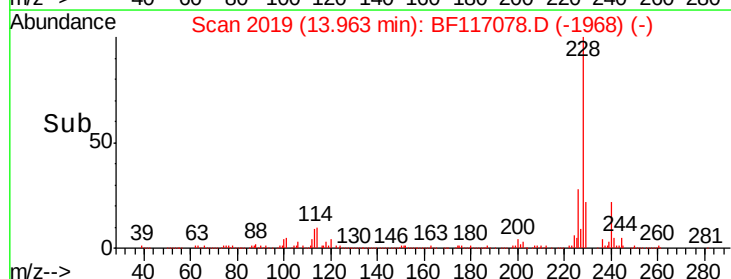
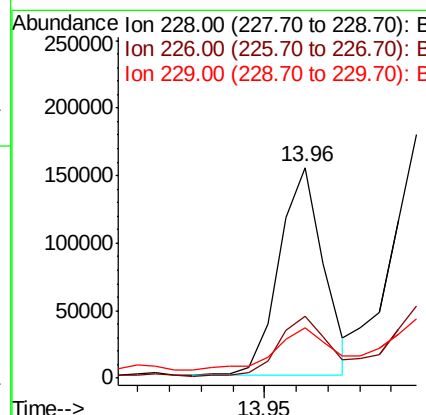
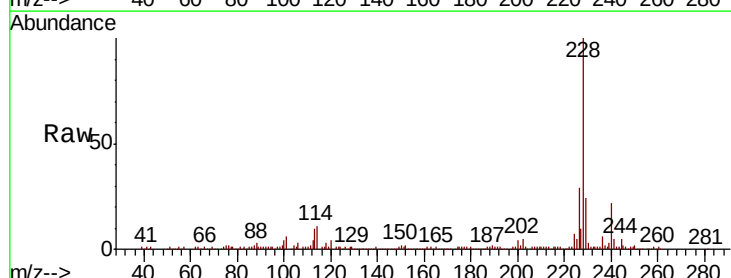
Instrument :
 BNA_F
 ClientSampled :

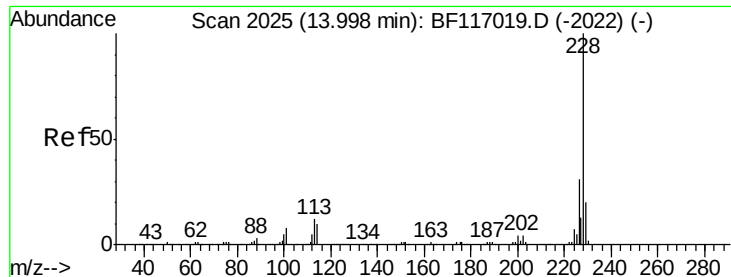
Tot Ion:244 Resp: 190041
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 10.2 11.3 16.9#



#81
 Benzo(a)anthracene
 Concen: 20.247 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117078.D
 Acq: 16 Sep 2019 23:18

Tgt Ion:228 Resp: 150409
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.3 33.5
 229 24.1 15.9 23.9#





#83

Chrysene

Concen: 24.657 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

Instrument :

BNA_F

ClientSampled :

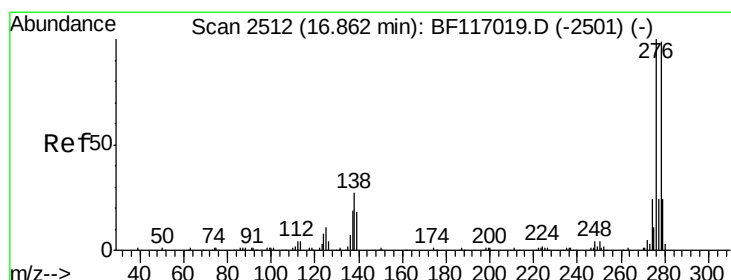
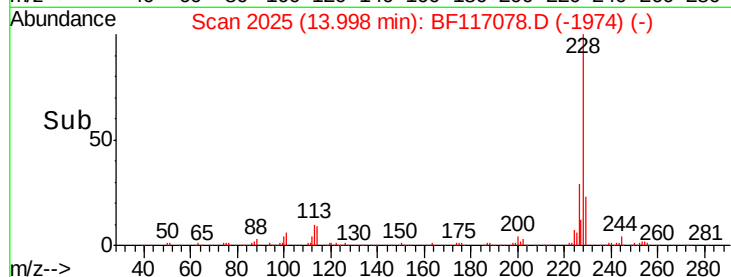
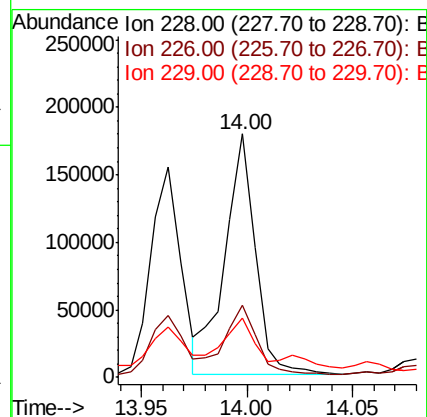
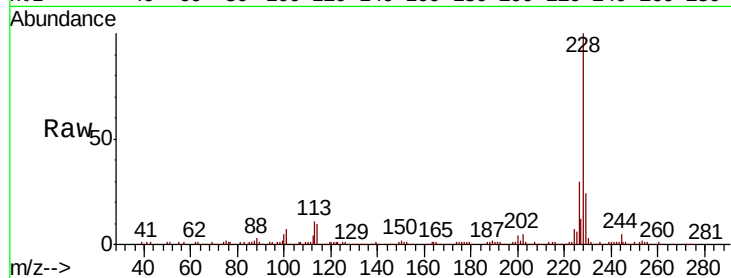
Tot Ion:228 Resp: 178647

Ion Ratio Lower Upper

228 100

226 29.7 24.8 37.2

229 24.4 15.8 23.8#



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.015 ng

RT: 16.85 min Scan# 2510

Delta R.T. -0.01 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

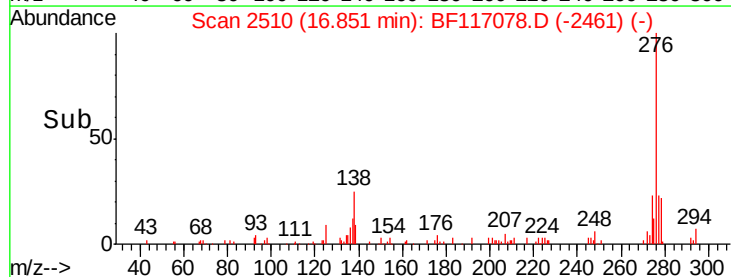
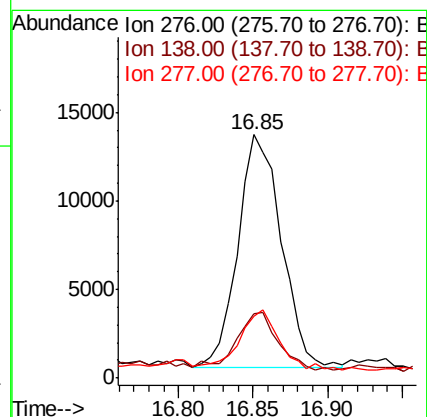
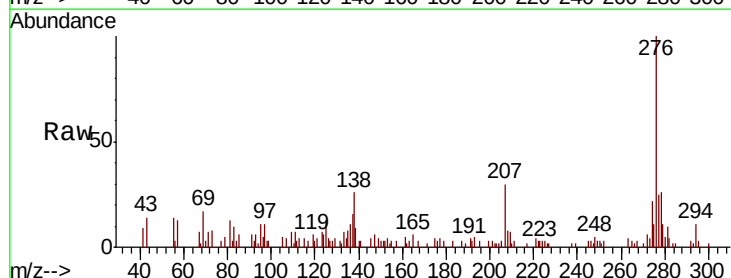
Tgt Ion:276 Resp: 26507

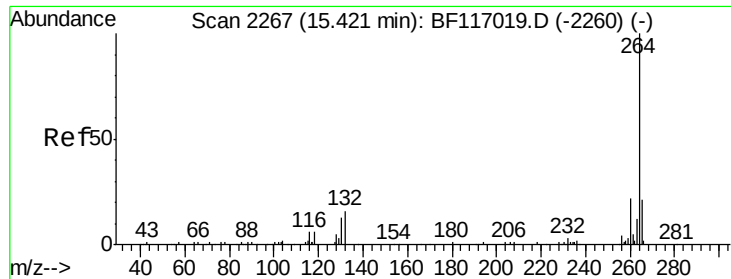
Ion Ratio Lower Upper

276 100

138 24.2 20.7 31.1

277 23.8 19.8 29.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

Instrument :

BNA_F

ClientSampleId :

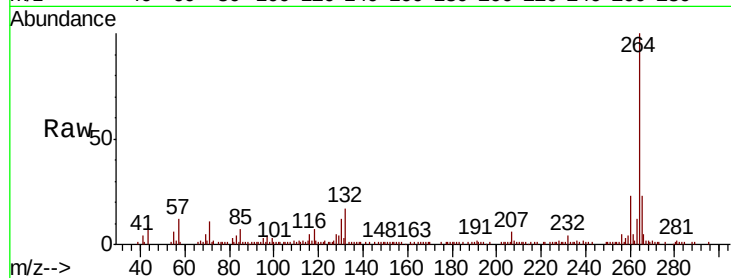
Tot Ion:264 Resp: 83505

Ion Ratio Lower Upper

264 100

260 22.7 17.6 26.4

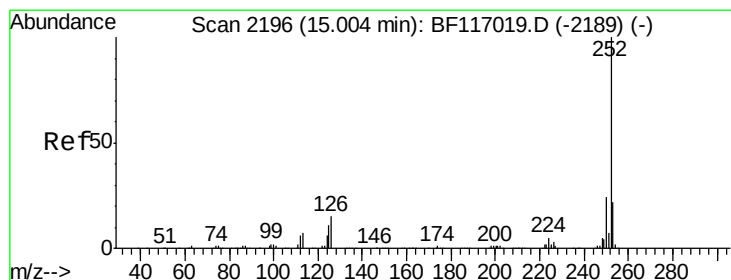
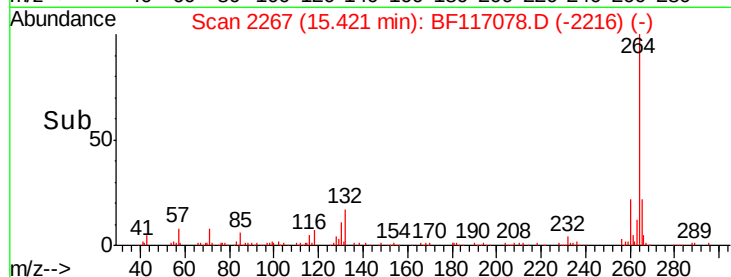
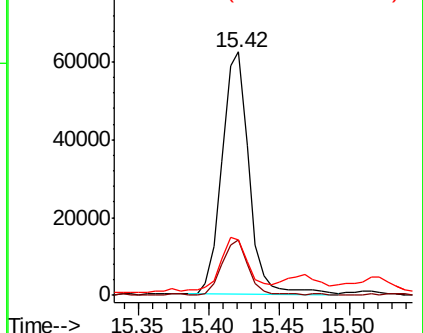
265 23.0 16.6 24.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 17.136 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF117078.D

Acq: 16 Sep 2019 23:18

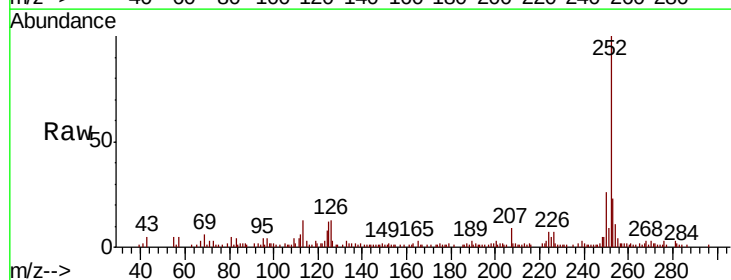
Tgt Ion:252 Resp: 86675

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

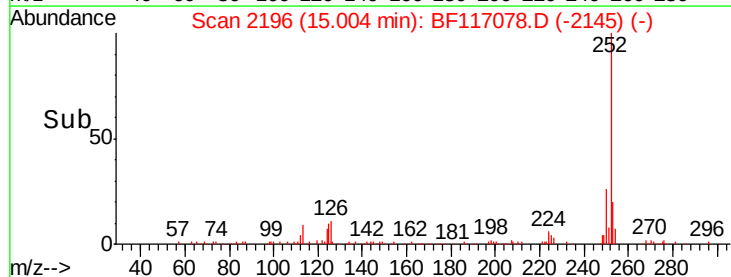
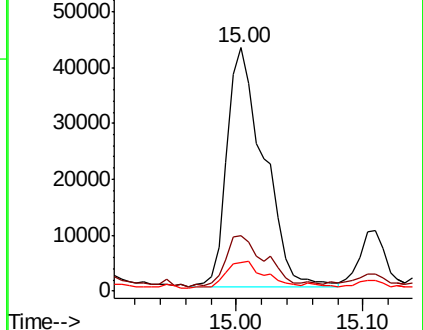
125 11.8 8.6 12.8

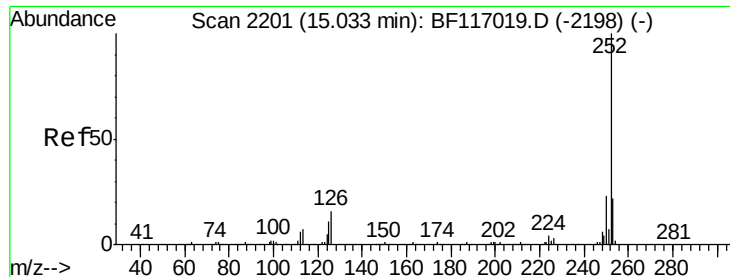


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

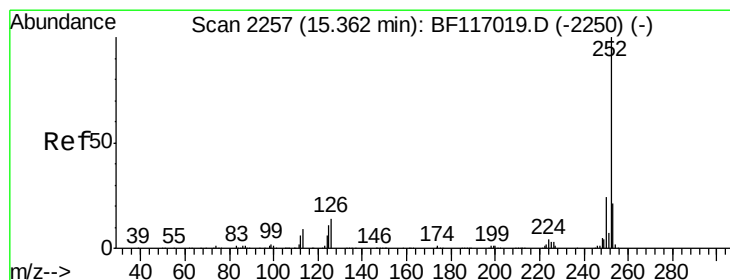
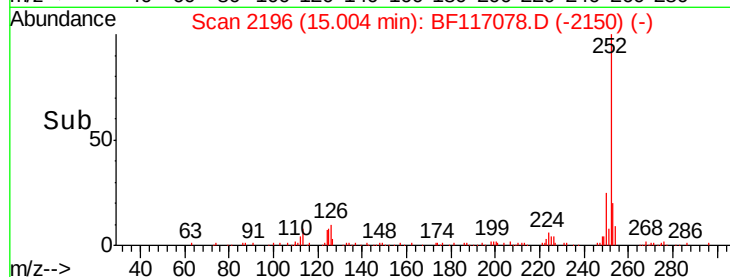
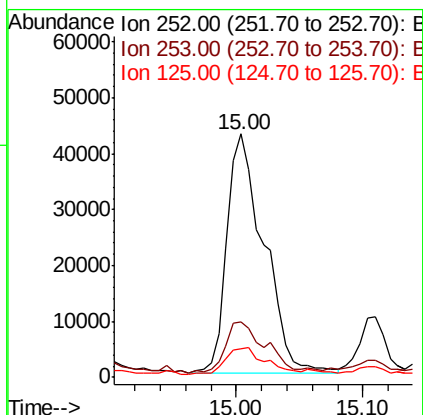
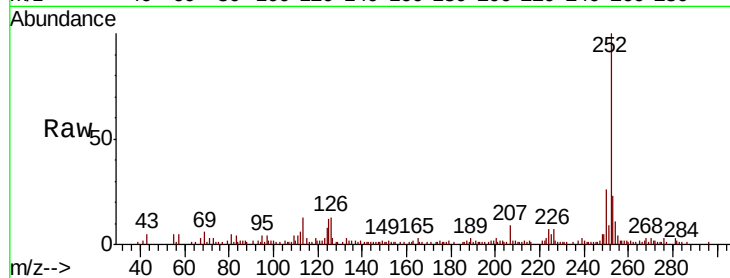




#89
Benzo(k)fluoranthene
Concen: 18.089 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

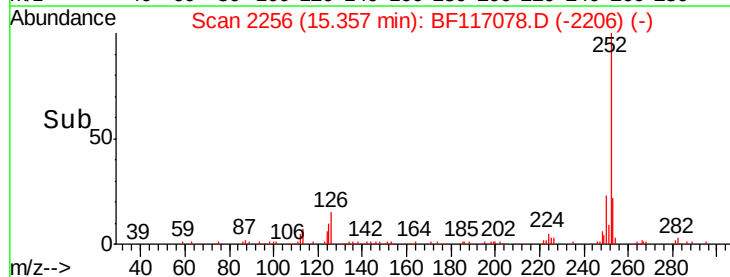
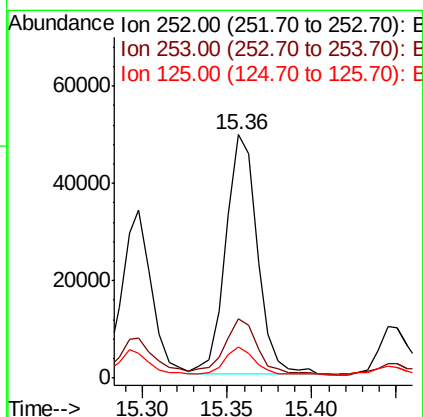
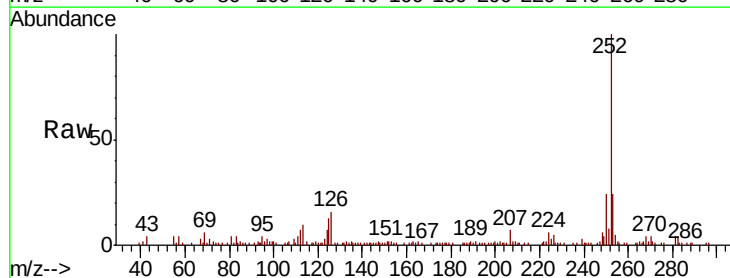
Instrument :
BNA_F
ClientSampleId :

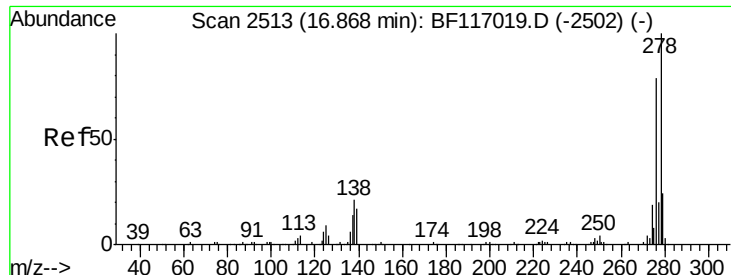
Tot Ion:252 Resp: 86675
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 11.8 8.8 13.2



#90
Benzo(a)pyrene
Concen: 14.359 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Tgt Ion:252 Resp: 63735
Ion Ratio Lower Upper
252 100
253 24.4 16.6 25.0
125 12.5 8.9 13.3

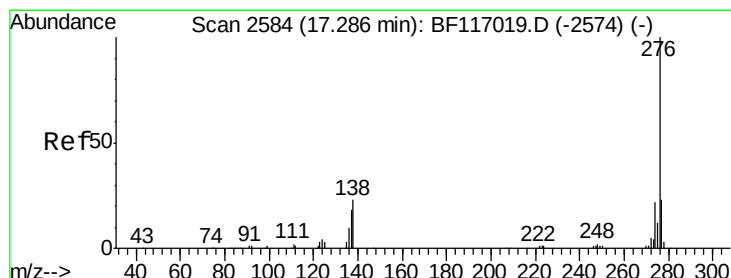
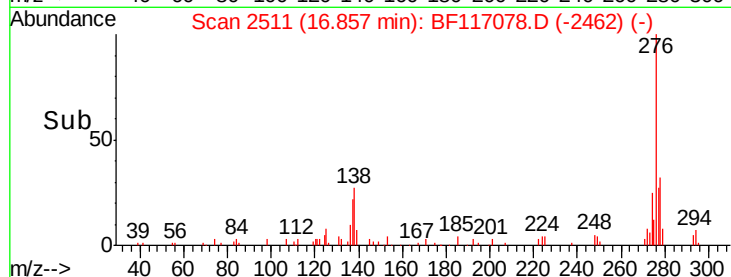
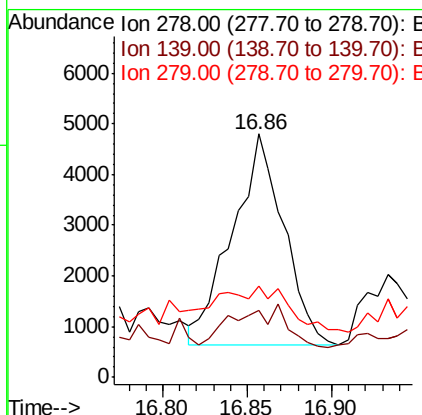
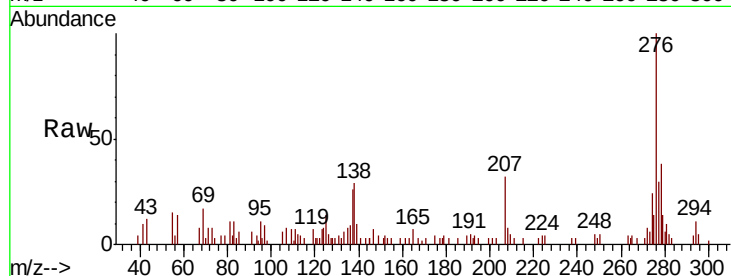




#91
Dibenzo(a,h)anthracene
Concen: 2.508 ng
RT: 16.86 min Scan# 2511
Delta R.T. -0.01 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.4	13.5	20.3#
279	37.5	18.8	28.2#



#92
Benzo(g,h,i)perylene
Concen: 9.415 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.01 min
Lab File: BF117078.D
Acq: 16 Sep 2019 23:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	27.8
138	22.4	18.0	27.0

