

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118079.D
 Acq On : 3 Dec 2019 23:07
 Operator : JU
 Sample : K6024-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 00:37:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	136725	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	519326	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	260213	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	425994	20.00	ng	0.00
76) Chrysene-d12	14.08	240	287381	20.00	ng	0.00
87) Perylene-d12	15.59	264	317204	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	755358	97.79	ng	0.00
7) Phenol-d6	6.50	99	953926	102.39	ng	0.00
23) Nitrobenzene-d5	7.44	82	583493	66.79	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	256954	93.27	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1079231	74.41	ng	0.00
79) Terphenyl-d14	13.02	244	943190	59.98	ng	0.00

Target Compounds

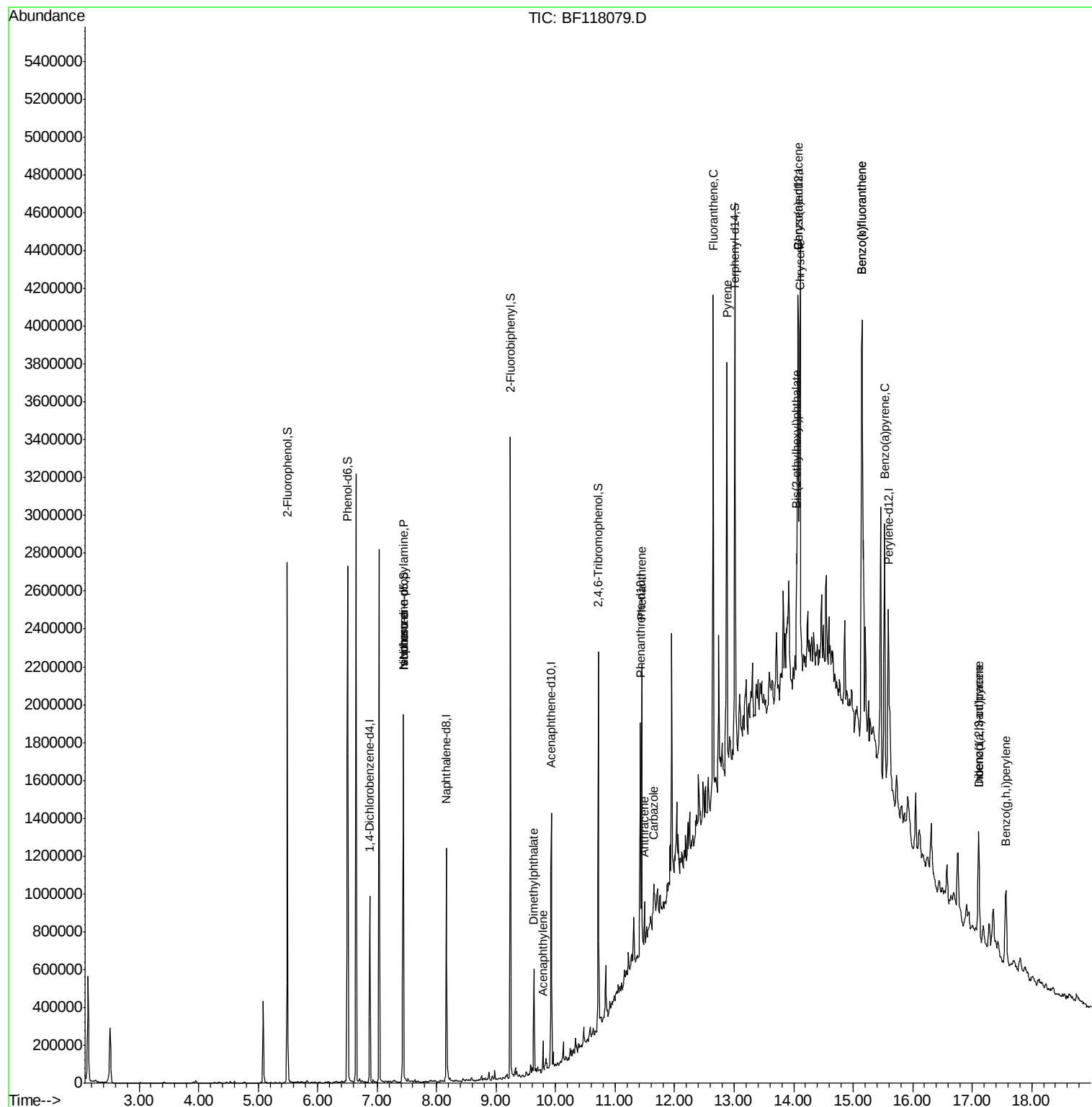
						Qvalue
9) Benzaldehyde	6.43	77	1548	Below Cal		92
19) n-Nitroso-di-n-propylamine	7.44	70	81688	14.213 ng	#	72
25) Isophorone	7.44	82	581677	36.328 ng	#	63
49) Acenaphthylene	9.79	152	55178	2.383 ng		96
50) Dimethylphthalate	9.63	163	193122	10.584 ng		100
71) Phenanthrene	11.44	178	505494	23.602 ng		99
72) Anthracene	11.50	178	95315	4.489 ng		99
73) Carbazole	11.65	167	56983	3.071 ng	#	89
75) Fluoranthene	12.64	202	1065323	56.554 ng		99
78) Pyrene	12.88	202	963689	41.494 ng		99
81) Benzo(a)anthracene	14.07	228	749115	39.447 ng		97
83) Chrysene	14.11	228	908431	49.366 ng		98
84) Bis(2-ethylhexyl)phthalate	14.05	149	180453	14.922 ng		100
86) Indeno(1,2,3-cd)pyrene	17.11	276	364696	23.286 ng		96
88) Benzo(b)fluoranthene	15.15	252	1771607	85.963 ng		98
89) Benzo(k)fluoranthene	15.15	252	1771607	91.234 ng		97
90) Benzo(a)pyrene	15.53	252	627183	34.609 ng		96
91) Dibenzo(a,h)anthracene	17.12	278	138480	8.878 ng	#	93
92) Benzo(a,h,i)perylene	17.57	276	310345	19.976 ng		99

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

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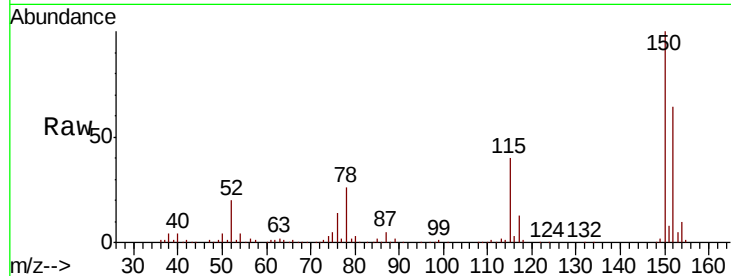


#1

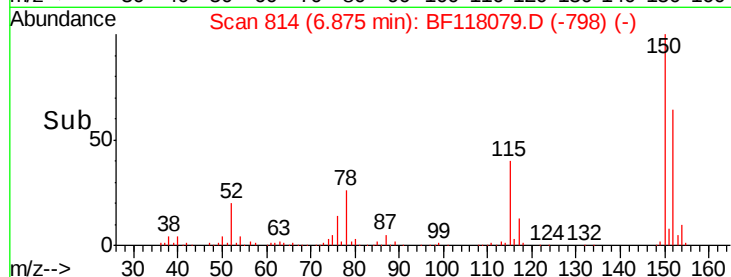
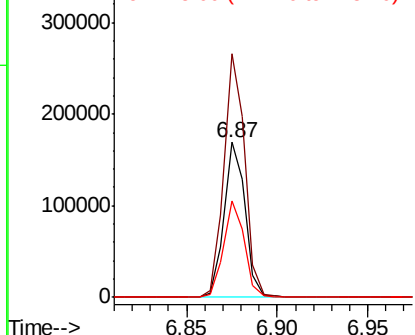
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136725
Ion Ratio Lower Upper
152 100
150 157.1 121.4 182.2
115 62.3 48.8 73.2



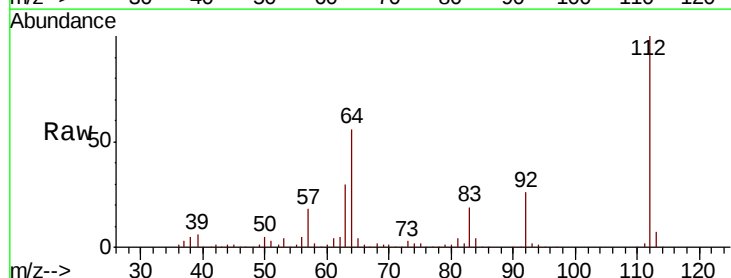
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



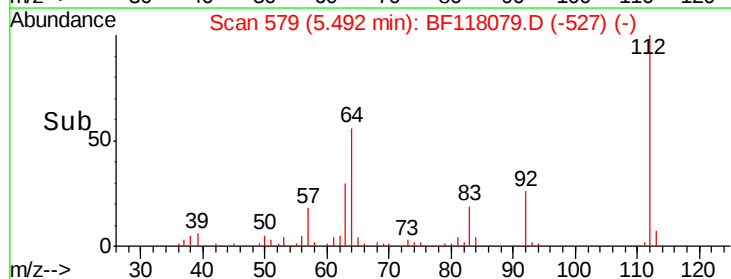
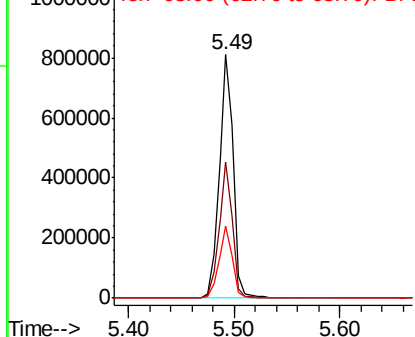
#5

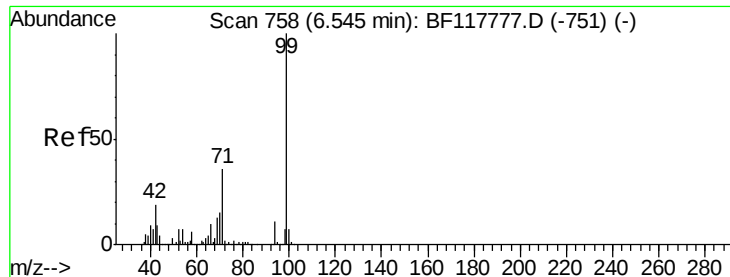
2-Fluorophenol
Concen: 97.792 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion:112 Resp: 755358
Ion Ratio Lower Upper
112 100
64 55.7 45.1 67.7
63 29.7 24.6 37.0



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: 102.391 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

ClientSampleId :

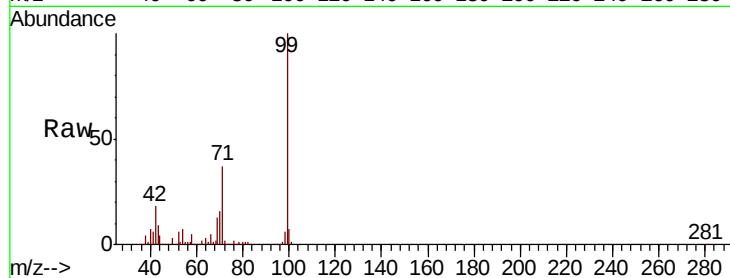
Tot Ion: 99 Resp: 953926

Ion Ratio Lower Upper

99 100

42 17.7 14.0 21.0

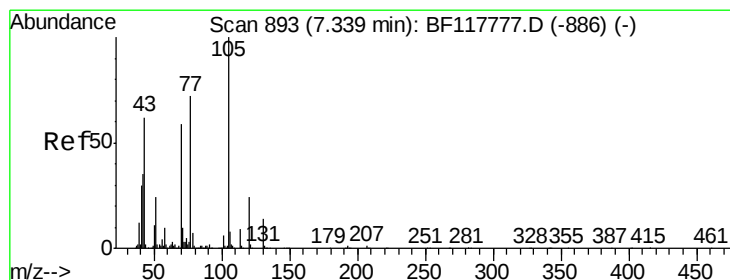
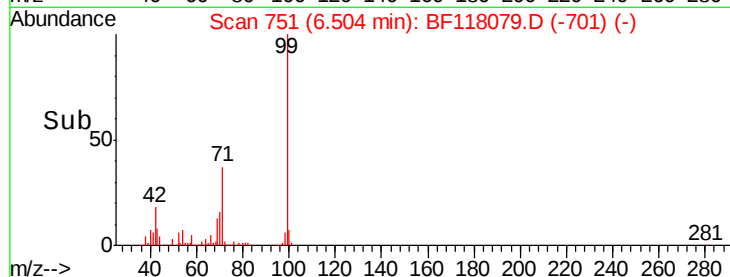
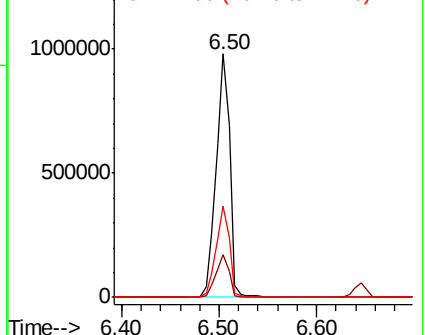
71 37.5 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.213 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Tgt Ion: 70 Resp: 81688

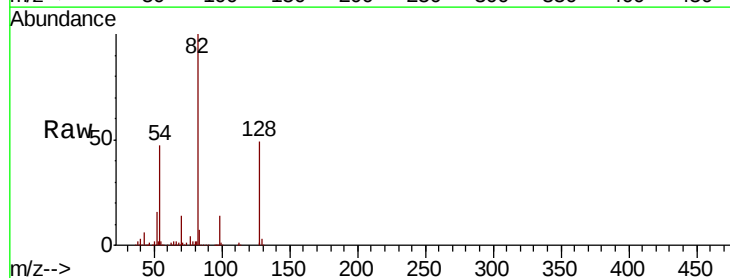
Ion Ratio Lower Upper

70 100

42 42.4 46.0 69.0#

101 0.0 8.8 13.2#

130 2.6 19.8 29.6#

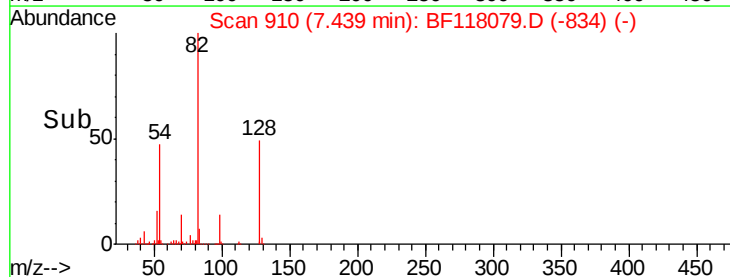
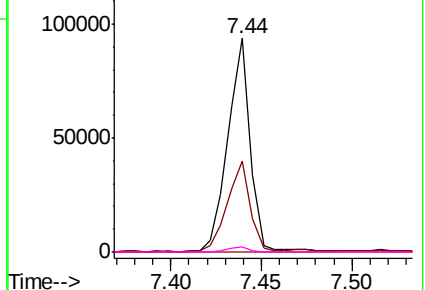


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

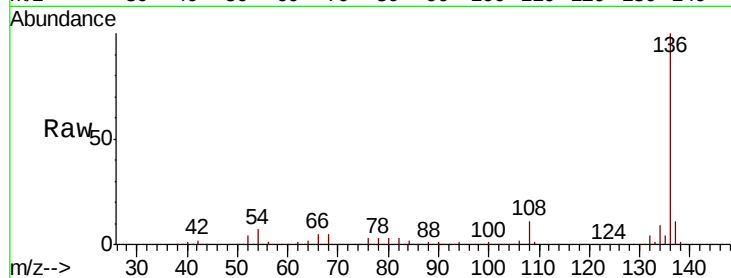




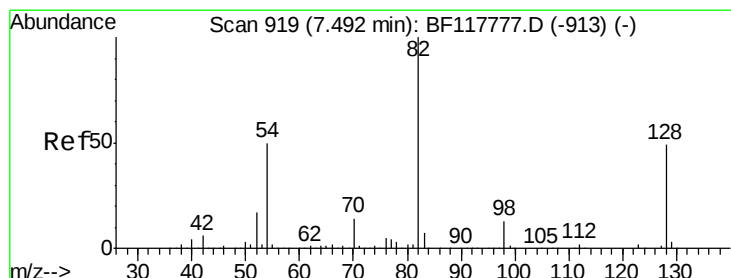
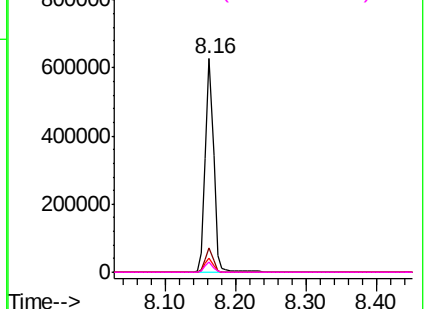
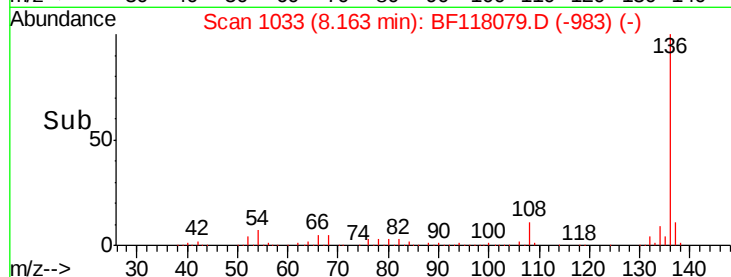
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	519326
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.1 13.7
54	6.6	4.9 7.3
68	4.7	3.6 5.4

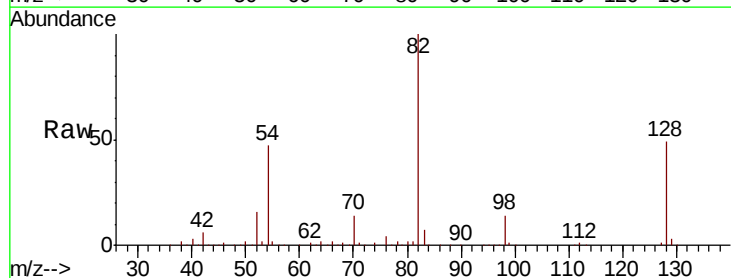


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

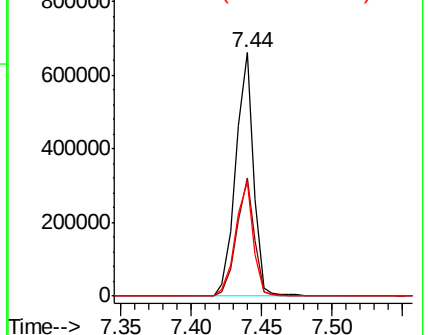
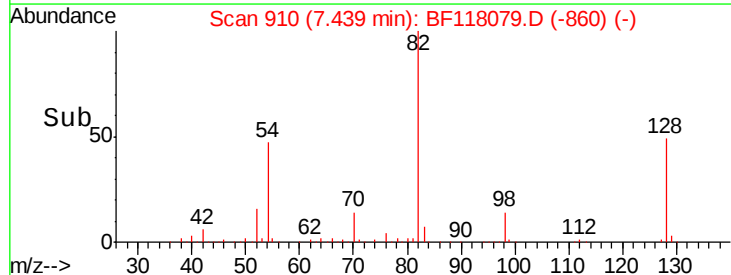


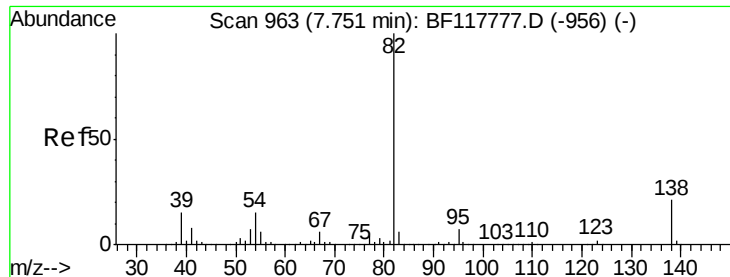
#23
Nitrobenzene-d5
Concen: 66.791 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion: 82	Resp:	583493
Ion Ratio	Lower	Upper
82	100	
128	48.7	38.2 57.4
54	46.8	39.0 58.4



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

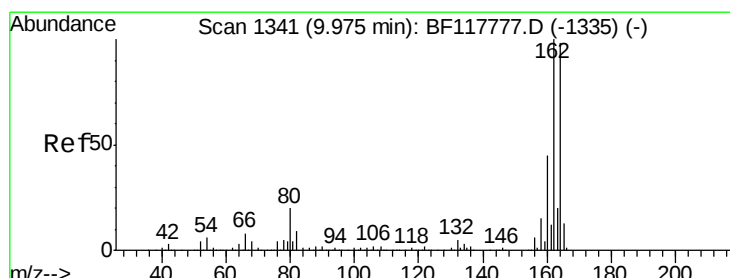
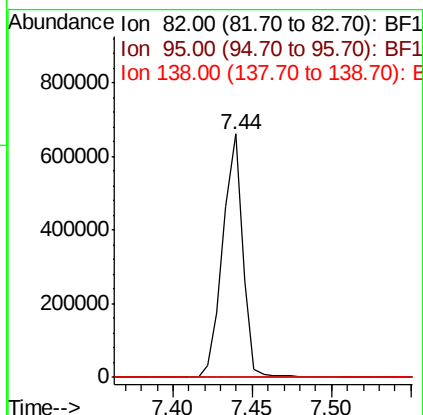
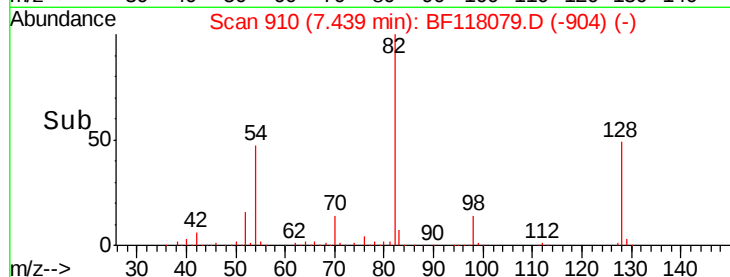
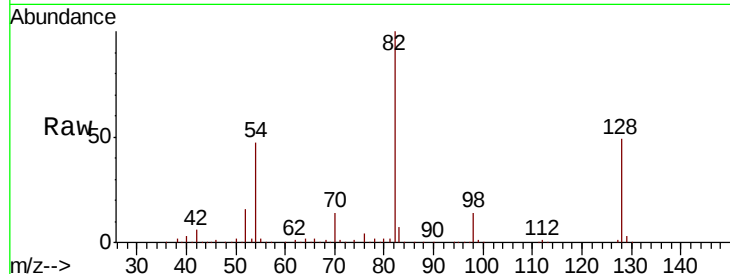




#25
Isophorone
Concen: 36.328 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

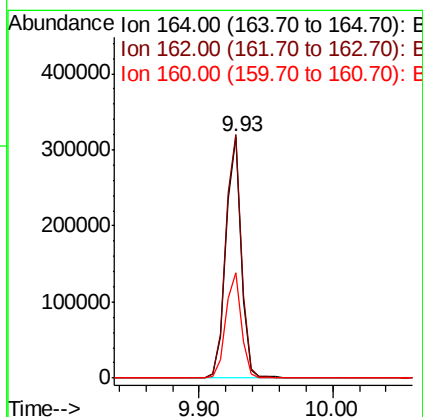
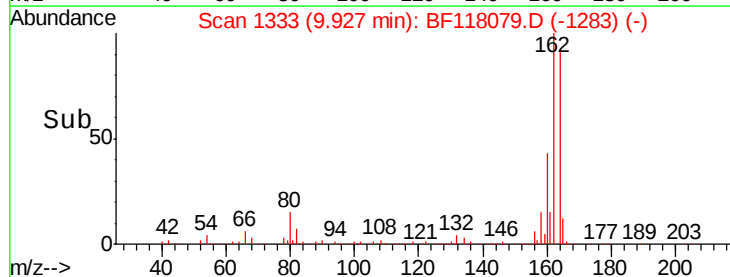
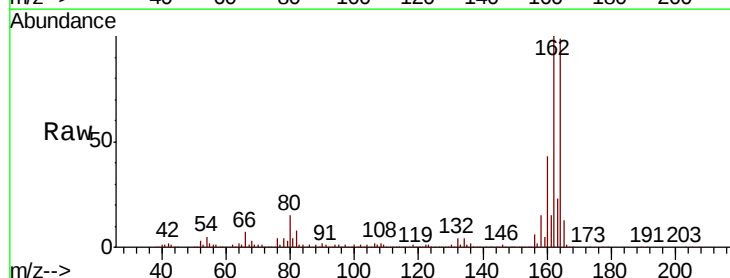
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 581677
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.2#
138 0.0 15.9 23.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion:164 Resp: 260213
Ion Ratio Lower Upper
164 100
162 100.7 81.8 122.8
160 43.6 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 93.273 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

ClientSampleId :

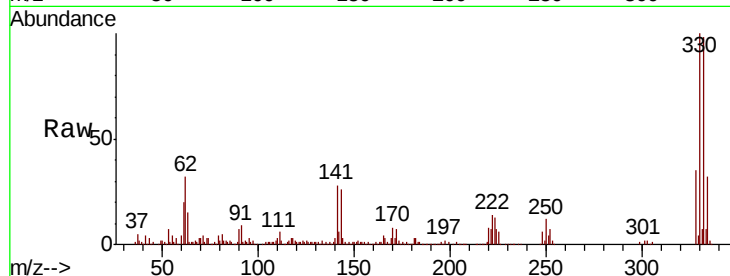
Tot Ion:330 Resp: 256954

Ion Ratio Lower Upper

330 100

332 98.1 78.3 117.5

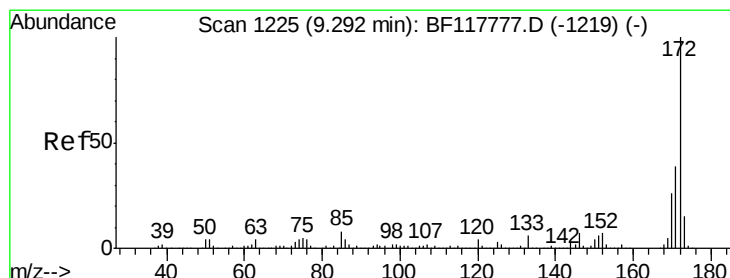
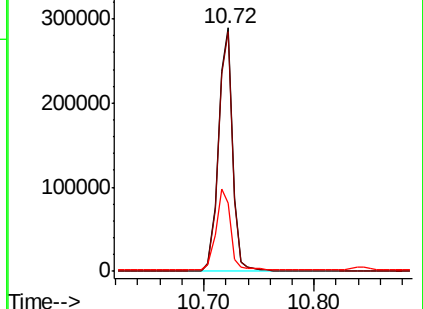
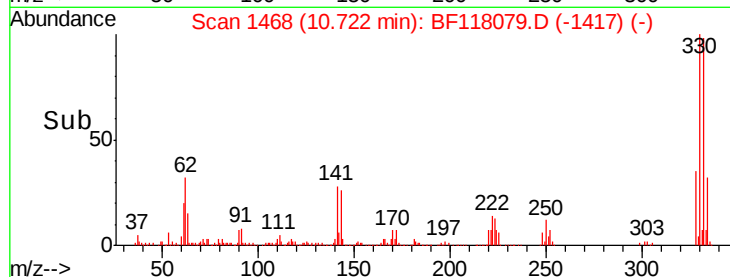
141 34.8 26.4 39.6



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: 74.407 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.00 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

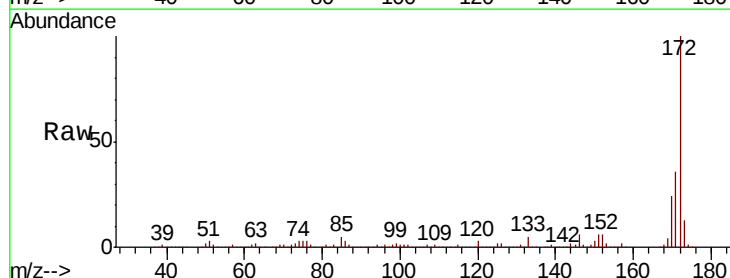
Tgt Ion:172 Resp: 1079231

Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

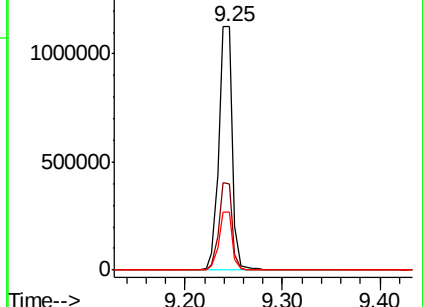
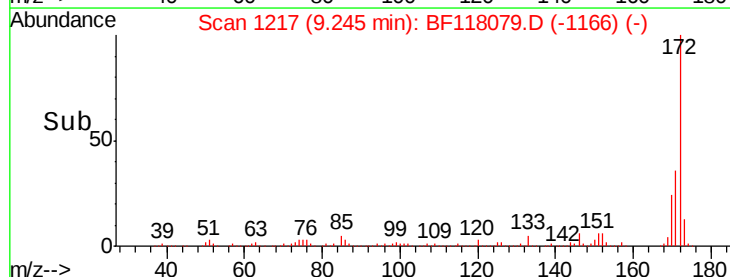
170 23.8 19.3 28.9

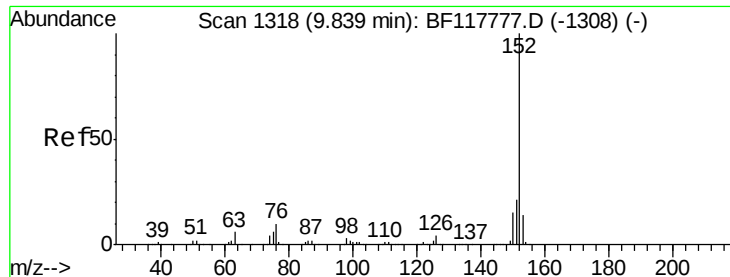


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.383 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

ClientSampleId :

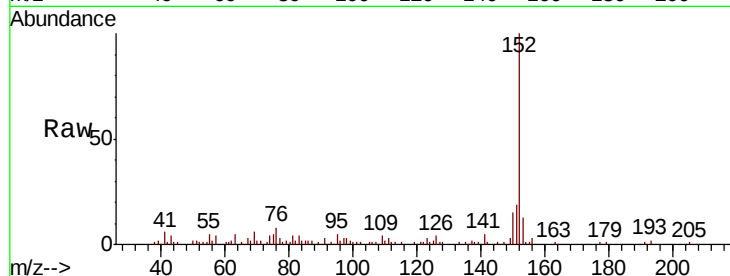
Tot Ion:152 Resp: 55178

Ion Ratio Lower Upper

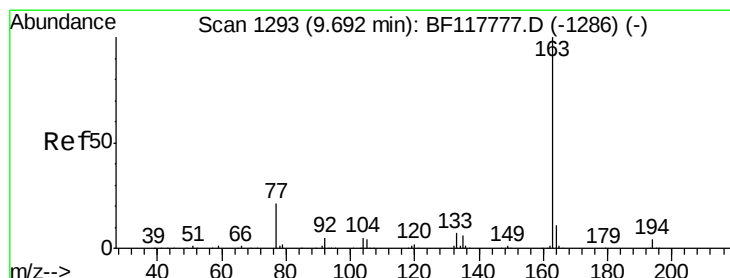
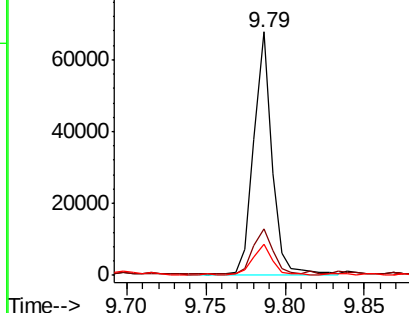
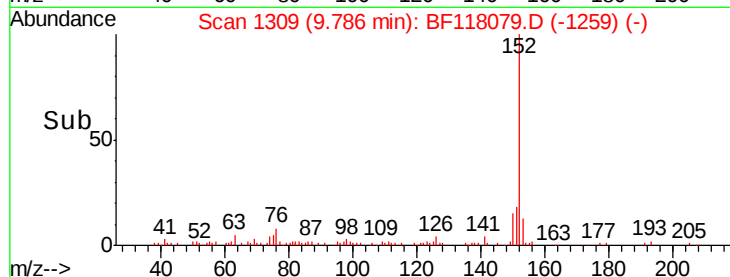
152 100

151 18.9 16.7 25.1

153 12.6 11.1 16.7



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: 10.584 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

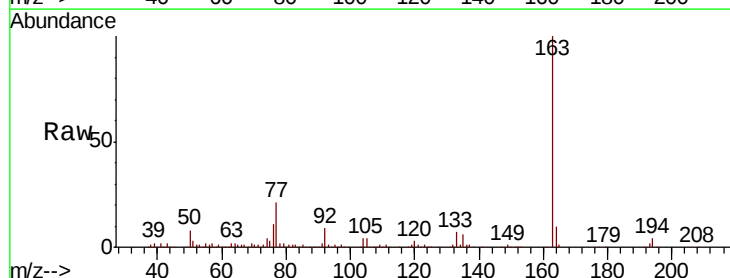
Tgt Ion:163 Resp: 193122

Ion Ratio Lower Upper

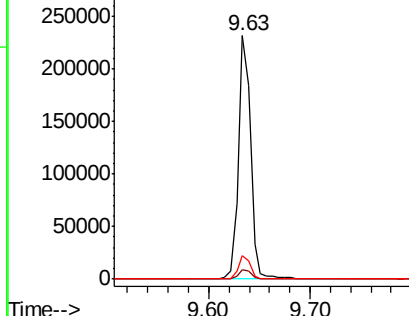
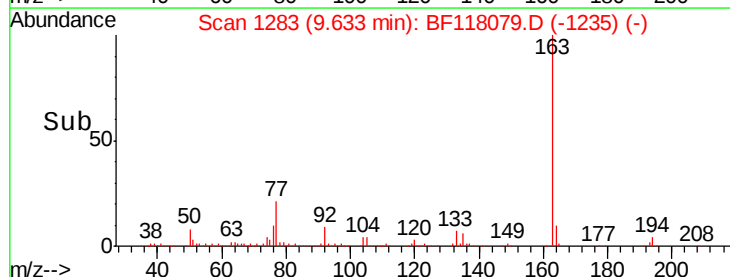
163 100

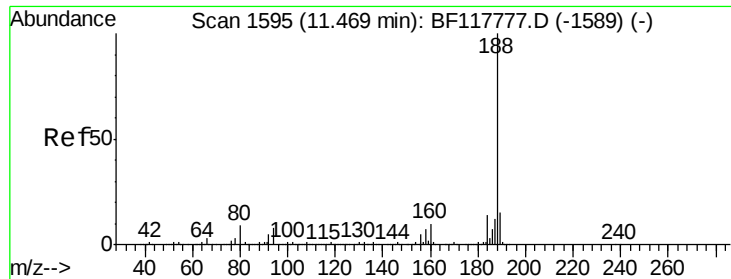
194 3.7 3.1 4.7

164 9.9 7.9 11.9



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

ClientSampleId :

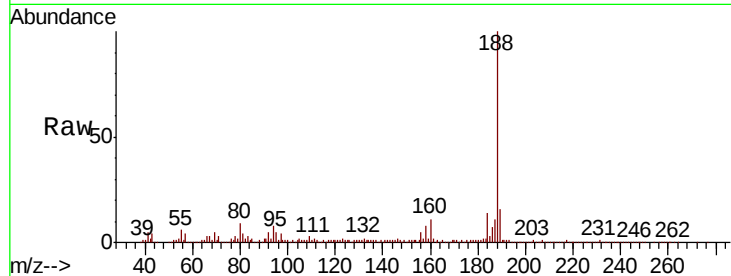
Tot Ion:188 Resp: 425994

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

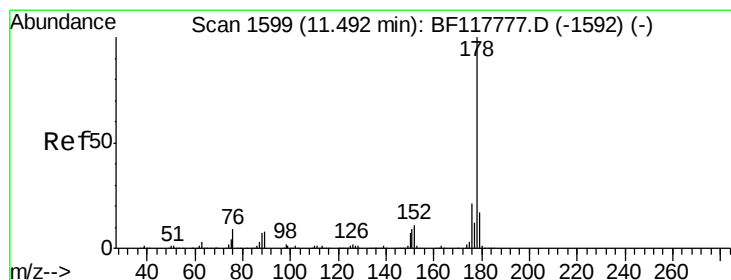
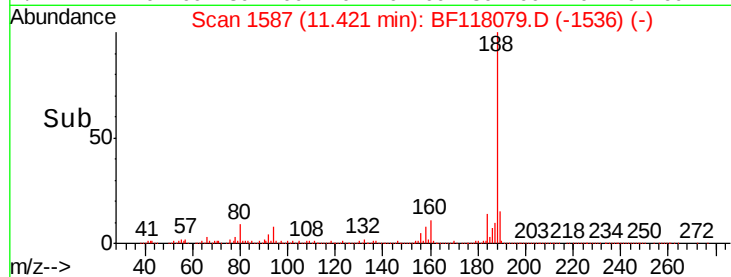
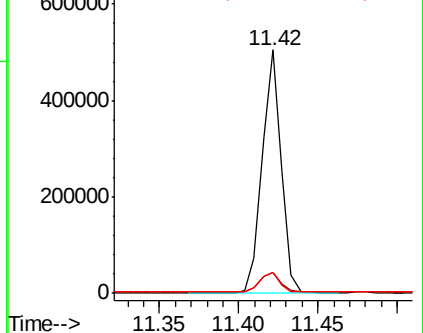
80 8.8 7.2 10.8



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



#71

Phenanthrene

Concen: 23.602 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

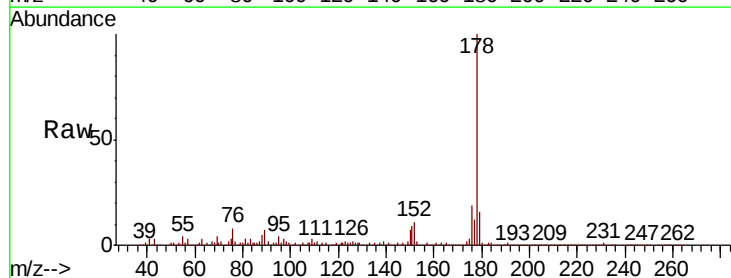
Tgt Ion:178 Resp: 505494

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

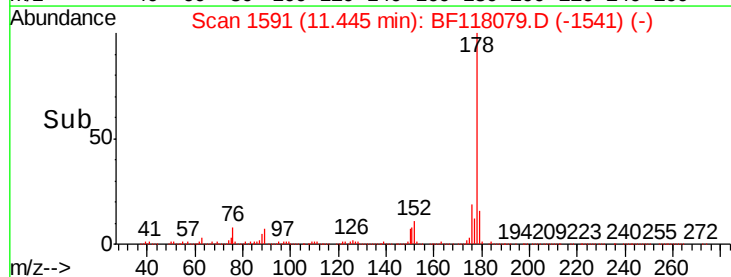
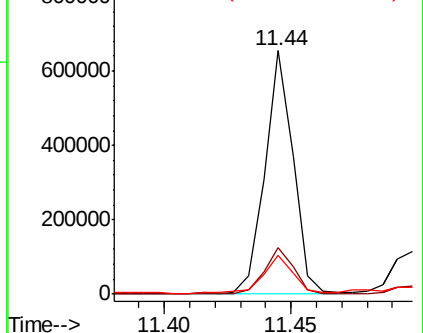
179 16.1 12.3 18.5

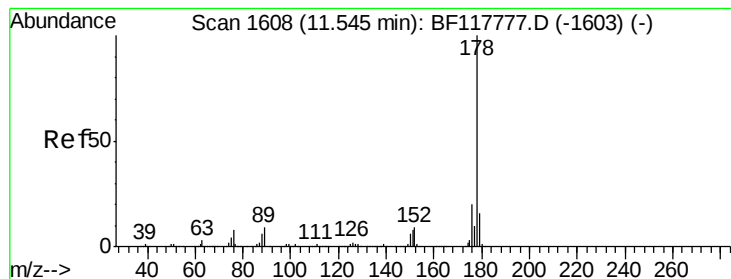


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.489 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

ClientSampleId :

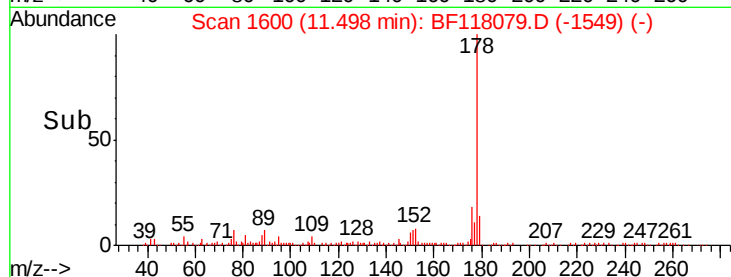
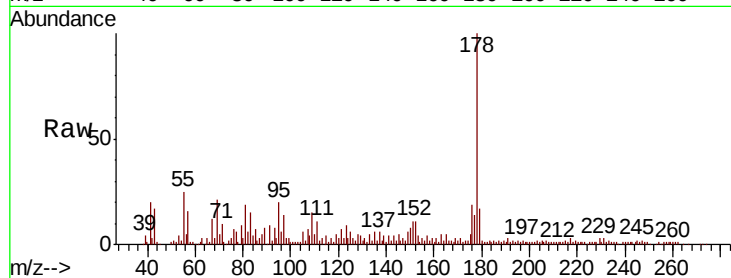
Tot Ion:178 Resp: 95315

Ion Ratio Lower Upper

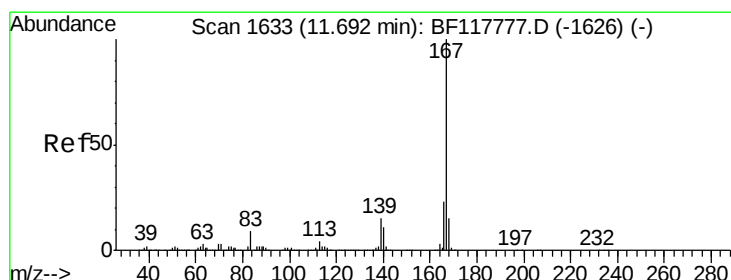
178 100

176 18.6 15.0 22.6

179 16.6 12.8 19.2



Time-->



#73

Carbazole

Concen: 3.071 ng

RT: 11.65 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

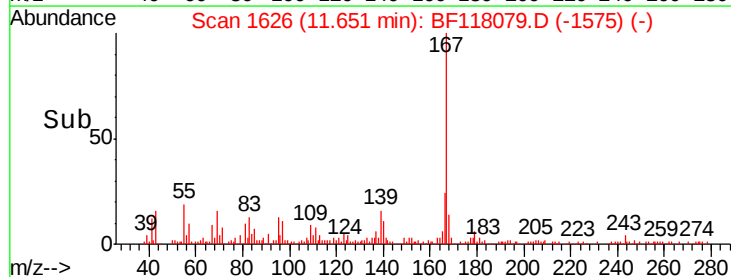
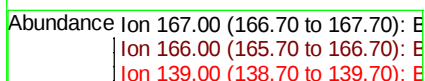
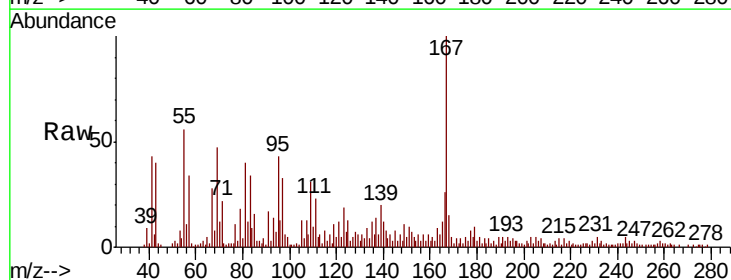
Tgt Ion:167 Resp: 56983

Ion Ratio Lower Upper

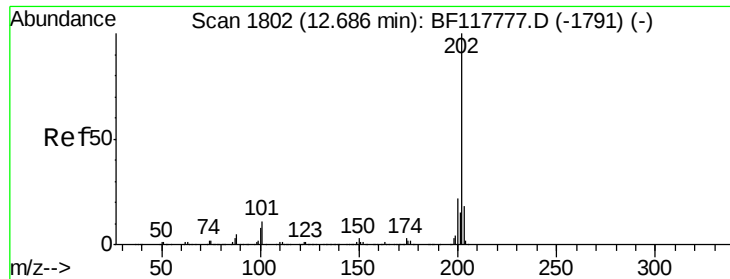
167 100

166 26.4 17.6 26.4

139 19.9 11.5 17.3#



Time-->



#75

Fluoranthene

Concen: 56.554 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

ClientSampleId :

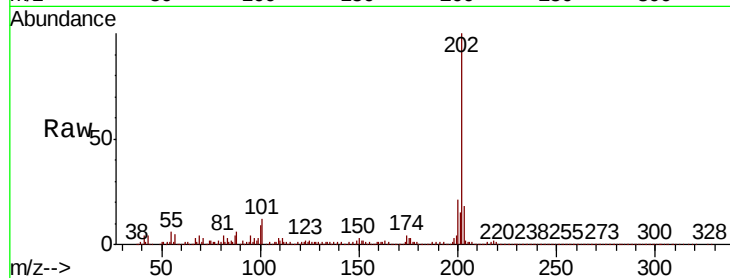
Tot Ion:202 Resp: 1065323

Ion Ratio Lower Upper

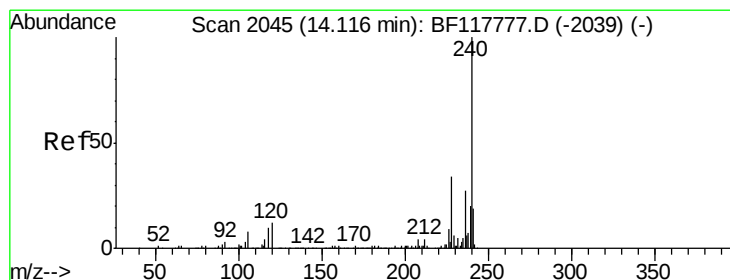
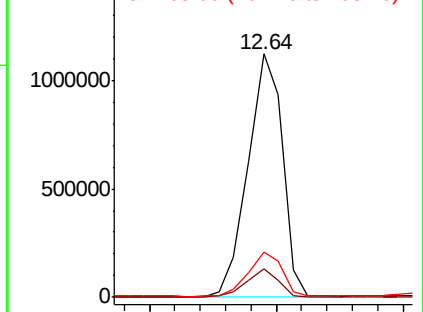
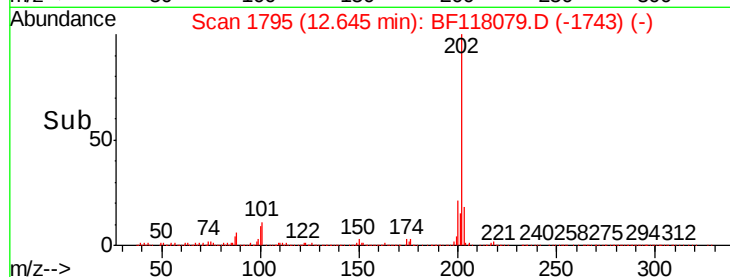
202 100

101 11.5 0.0 31.5

203 18.4 0.0 37.6



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: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

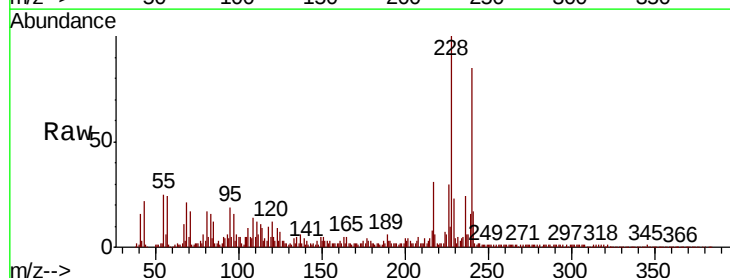
Tgt Ion:240 Resp: 287381

Ion Ratio Lower Upper

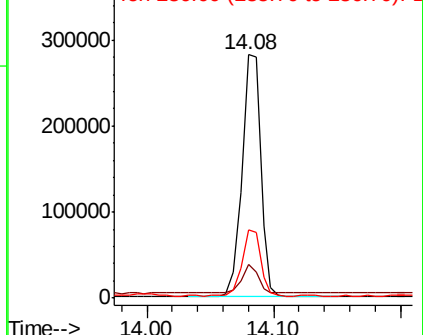
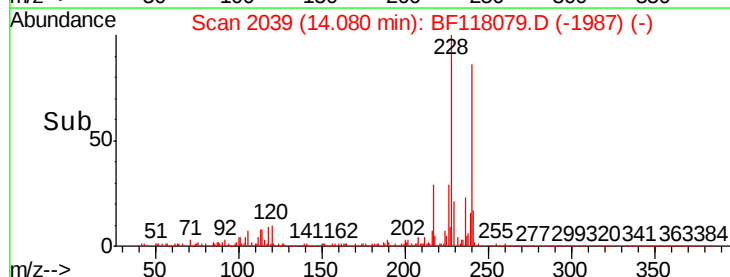
240 100

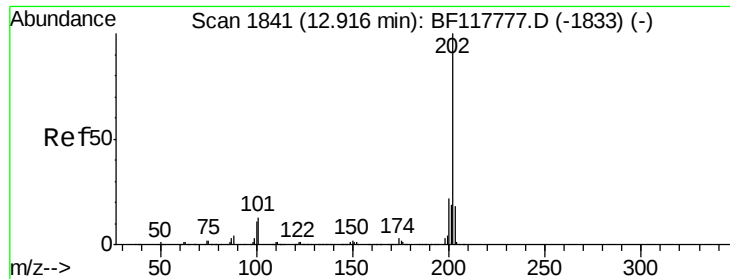
120 14.0 8.4 12.6#

236 27.9 20.6 31.0



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

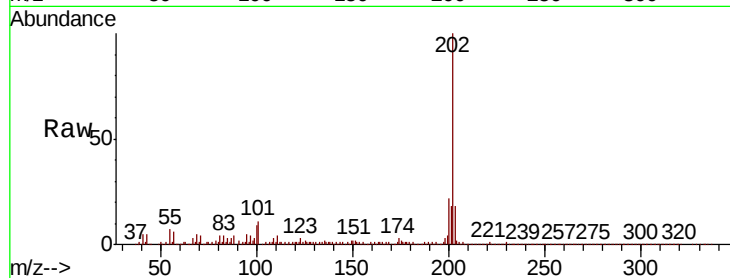




#78
Pvrene
Concen: 41.494 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.01 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	18.3	14.2	21.4

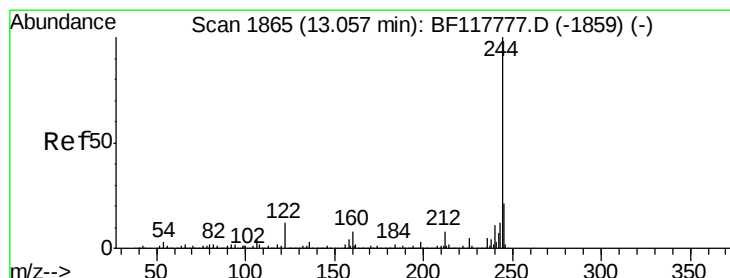
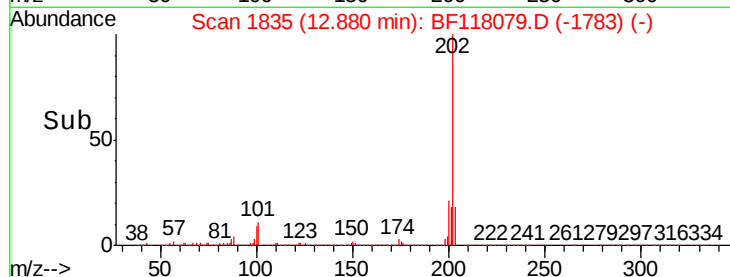
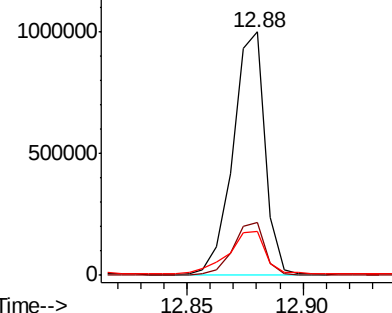


Abundance

Ion 202.00 (201.70 to 202.70): E

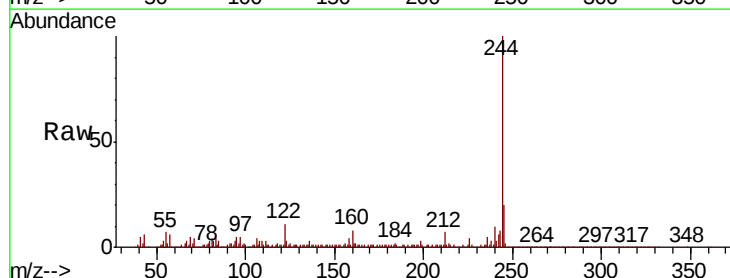
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 59.983 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.2	7.8
122	10.8	7.2	10.8#

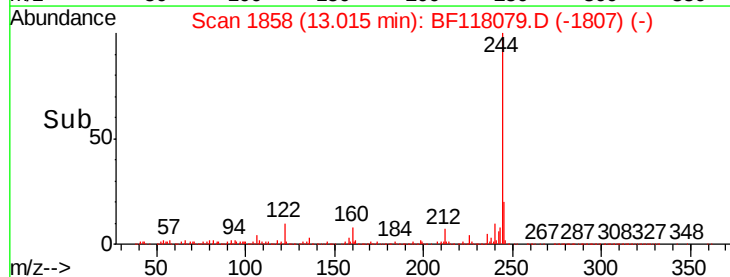
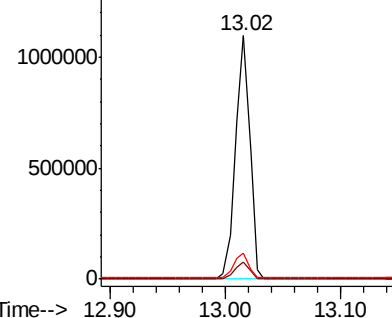


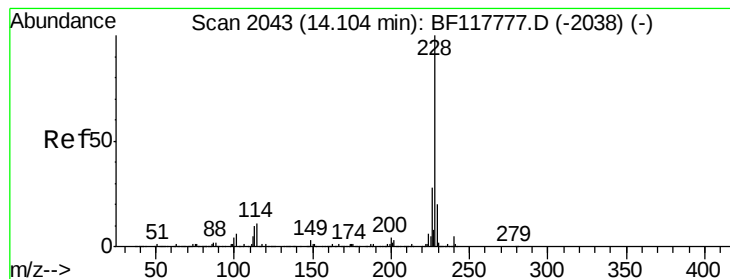
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 39.447 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

ClientSampleId :

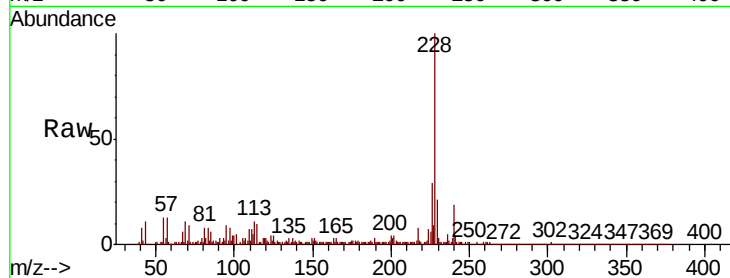
Tot Ion:228 Resp: 749115

Ion Ratio Lower Upper

228 100

226 29.4 21.9 32.9

229 21.4 16.2 24.2

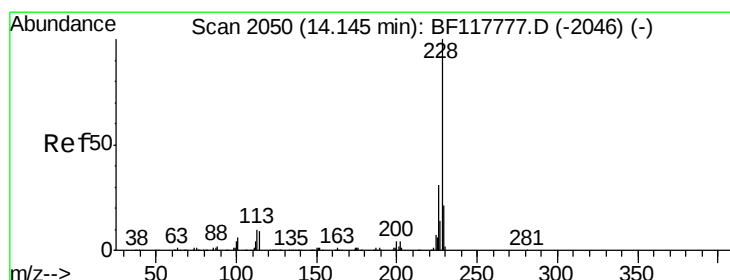
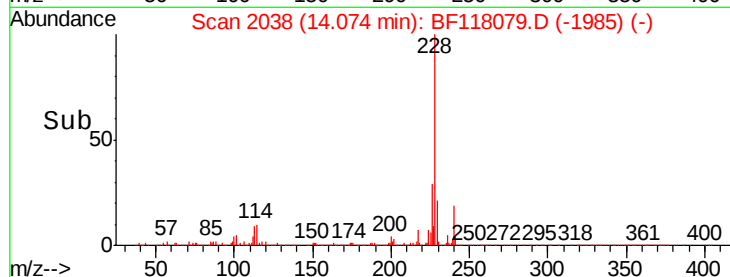
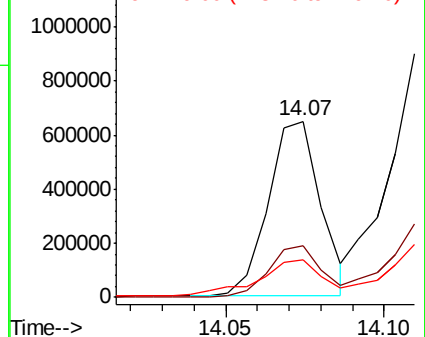


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 49.366 ng

RT: 14.11 min Scan# 2044

Delta R.T. 0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

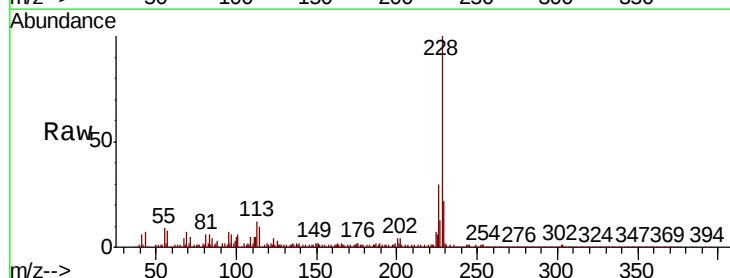
Tgt Ion:228 Resp: 908431

Ion Ratio Lower Upper

228 100

226 29.9 23.6 35.4

229 21.9 16.2 24.2

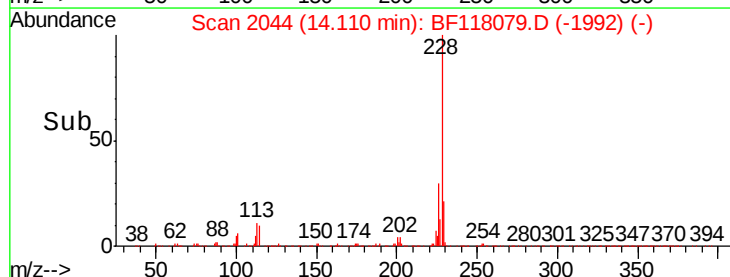
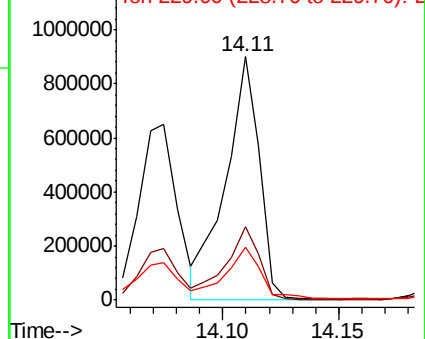


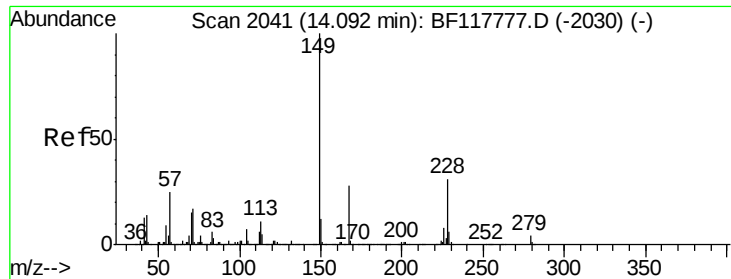
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.922 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

ClientSampleId :

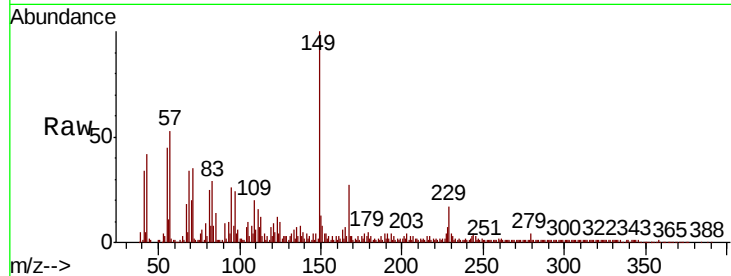
Tot Ion:149 Resp: 180453

Ion Ratio Lower Upper

149 100

167 27.1 21.8 32.8

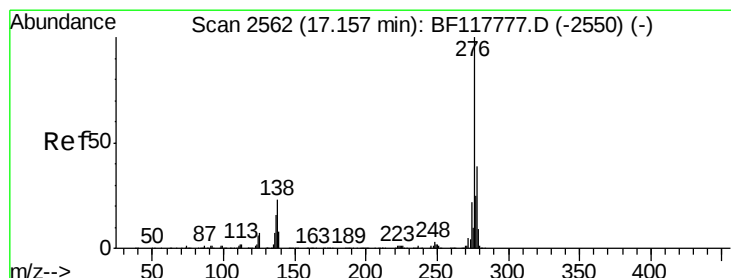
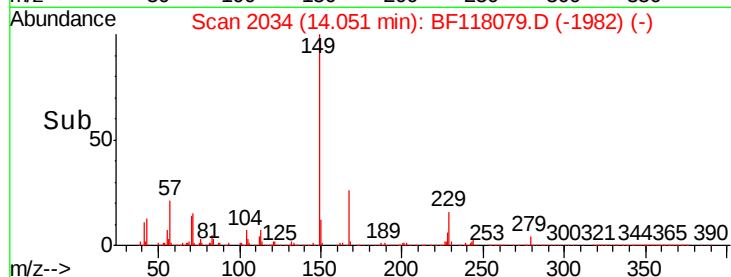
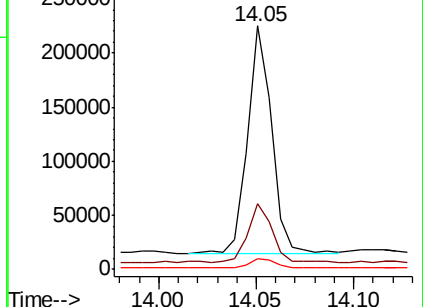
279 4.3 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 23.286 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.02 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

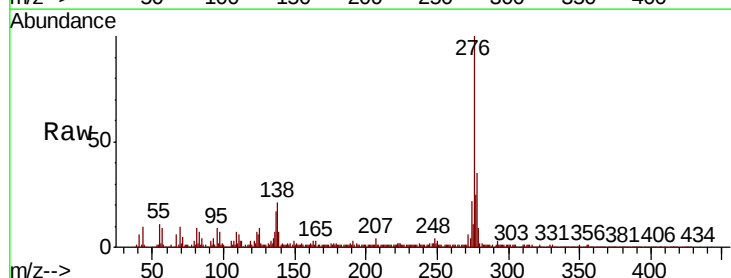
Tgt Ion:276 Resp: 364696

Ion Ratio Lower Upper

276 100

138 20.3 19.0 28.6

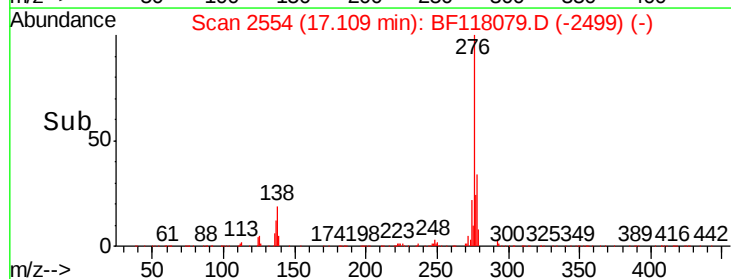
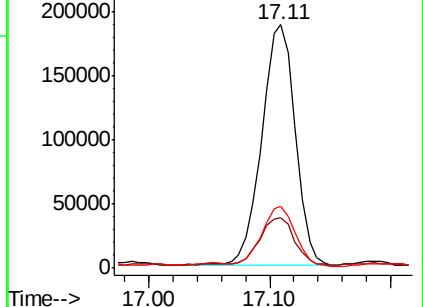
277 24.9 20.7 31.1

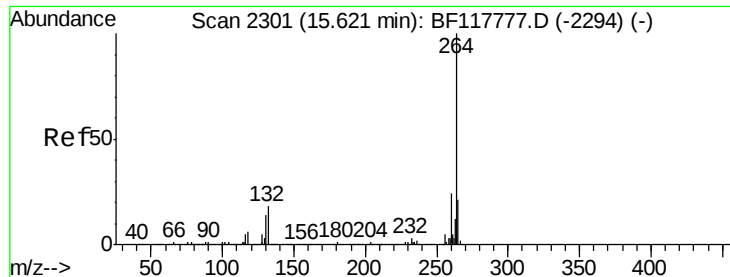


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



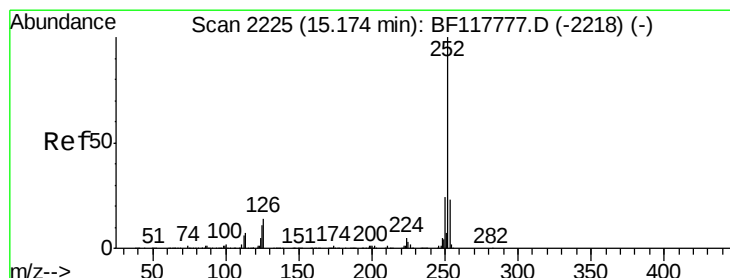
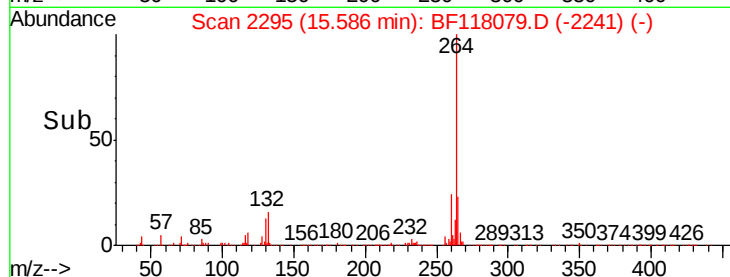
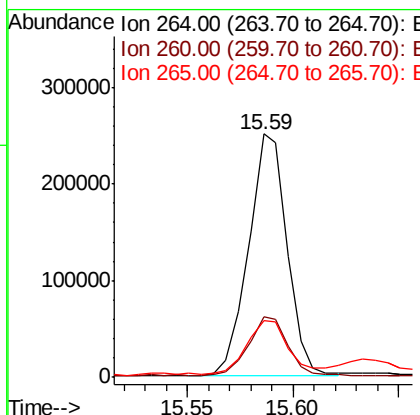
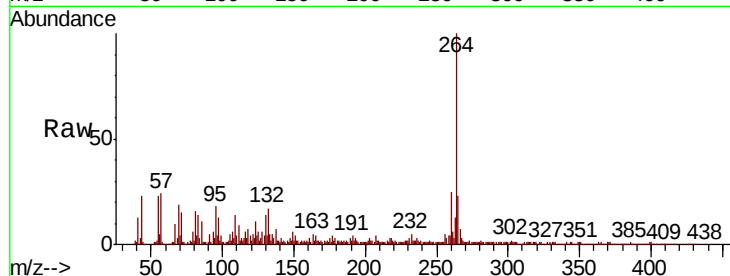


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.02 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 317204

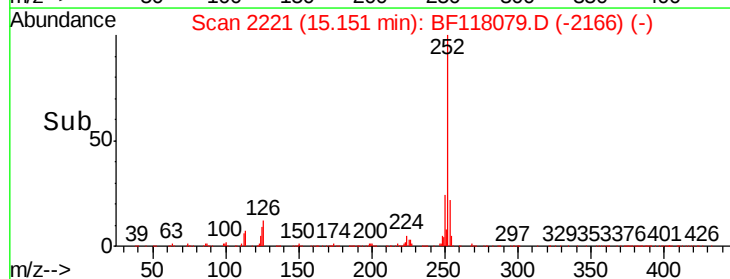
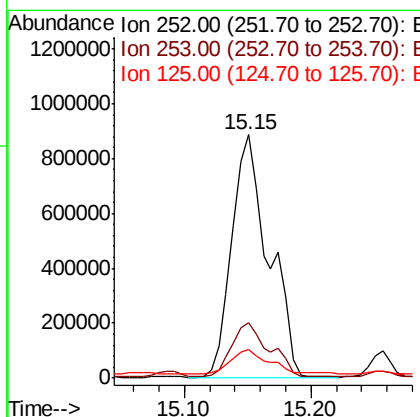
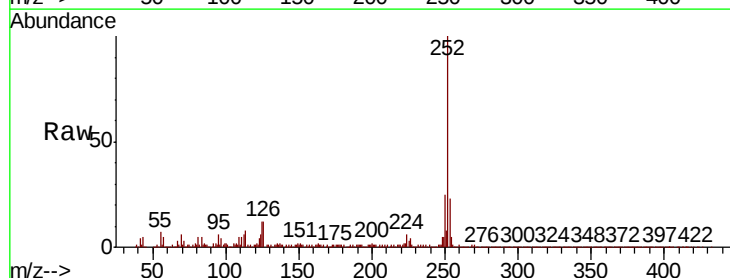
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.6
265	23.4	16.4	24.6

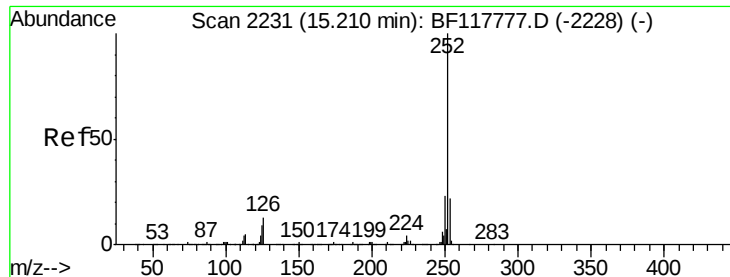


#88
Benzo(b)fluoranthene
Concen: 85.963 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.02 min
Lab File: BF118079.D
Acq: 3 Dec 2019 23:07

Tgt Ion:252 Resp: 1771607

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.5	7.7	11.5





#89

Benzo(k)fluoranthene

Concen: 91.234 ng

RT: 15.15 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

ClientSampleId :

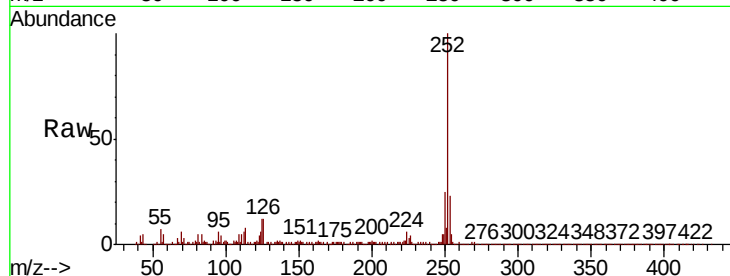
Tot Ion:252 Resp: 1771607

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

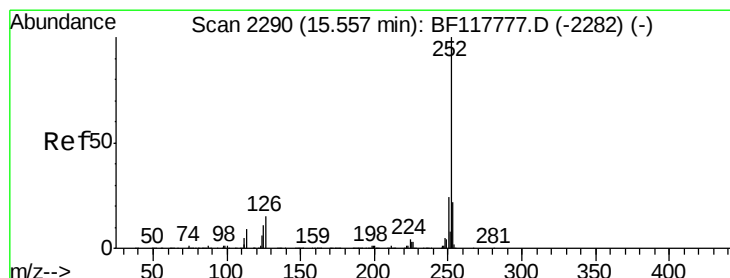
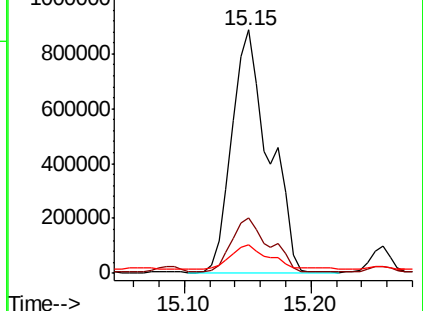
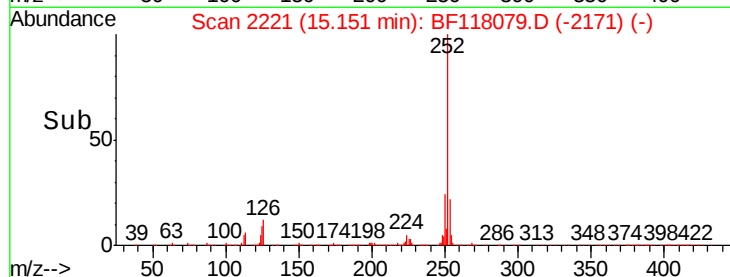
125 11.5 8.5 12.7



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



#90

Benzo(a)pyrene

Concen: 34.609 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.02 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

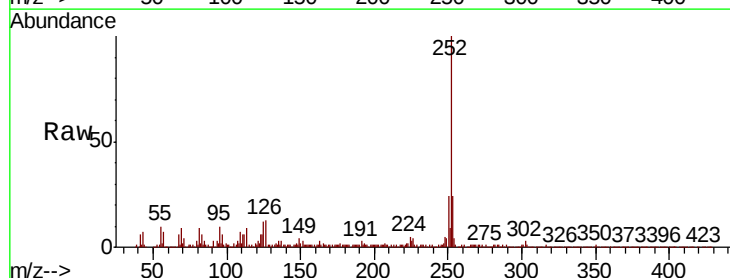
Tgt Ion:252 Resp: 627183

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

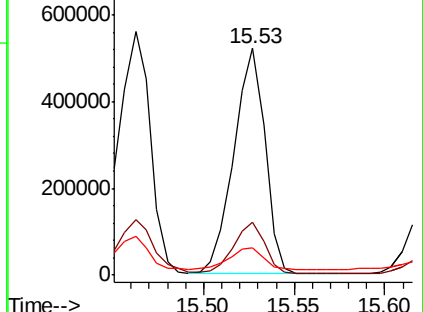
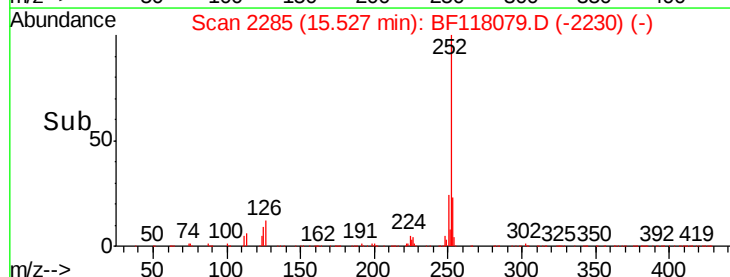
125 12.1 8.9 13.3

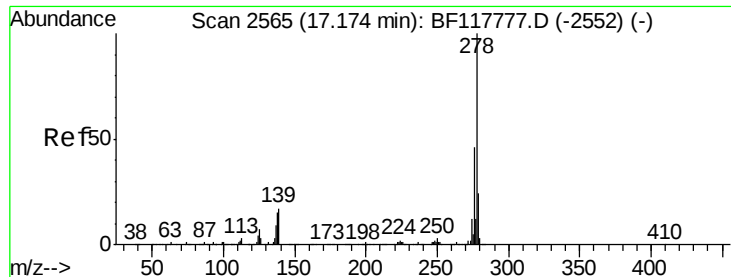


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 8.878 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.02 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

Instrument :

BNA_F

ClientSampleId :

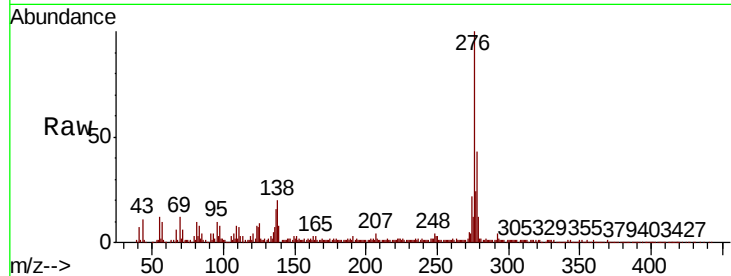
Tot Ion:278 Resp: 138480

Ion Ratio Lower Upper

278 100

139 19.1 12.2 18.4#

279 26.8 19.0 28.6

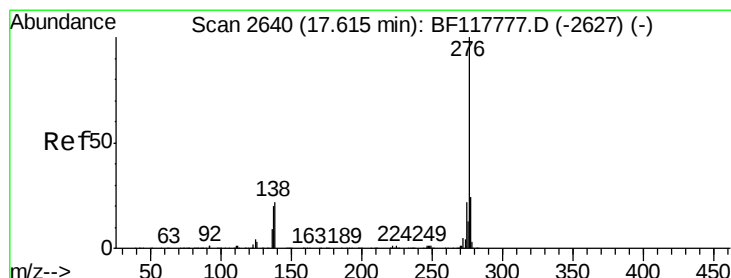
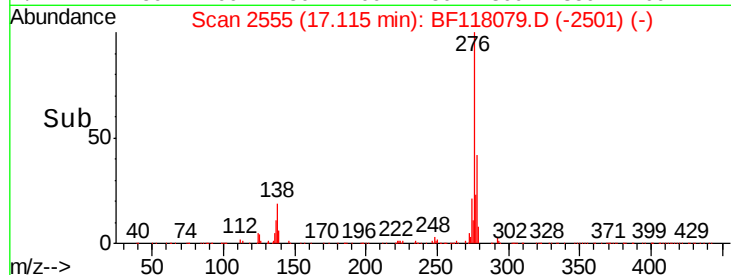
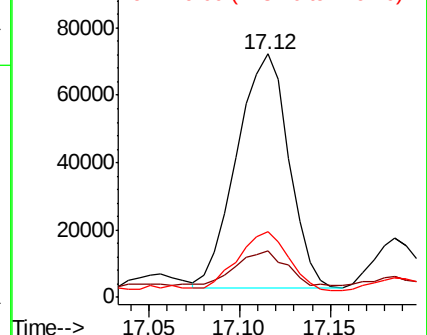


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 19.976 ng

RT: 17.57 min Scan# 2632

Delta R.T. 0.03 min

Lab File: BF118079.D

Acq: 3 Dec 2019 23:07

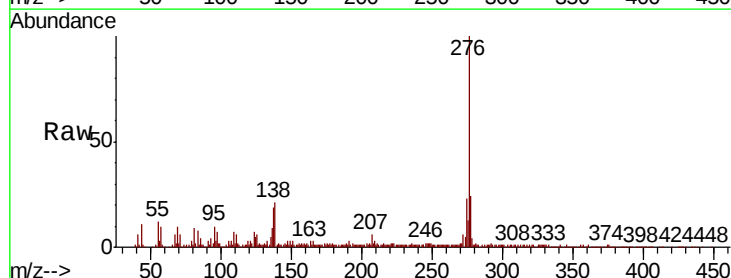
Tgt Ion:276 Resp: 310345

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 20.6 16.6 25.0



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

