

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
 Data File : BF119906.D
 Acq On : 10 Apr 2020 20:27
 Operator : MA/SJ
 Sample : L2205-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 01:27:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 10 13:48:19 2020
 Response via : Initial Calibration

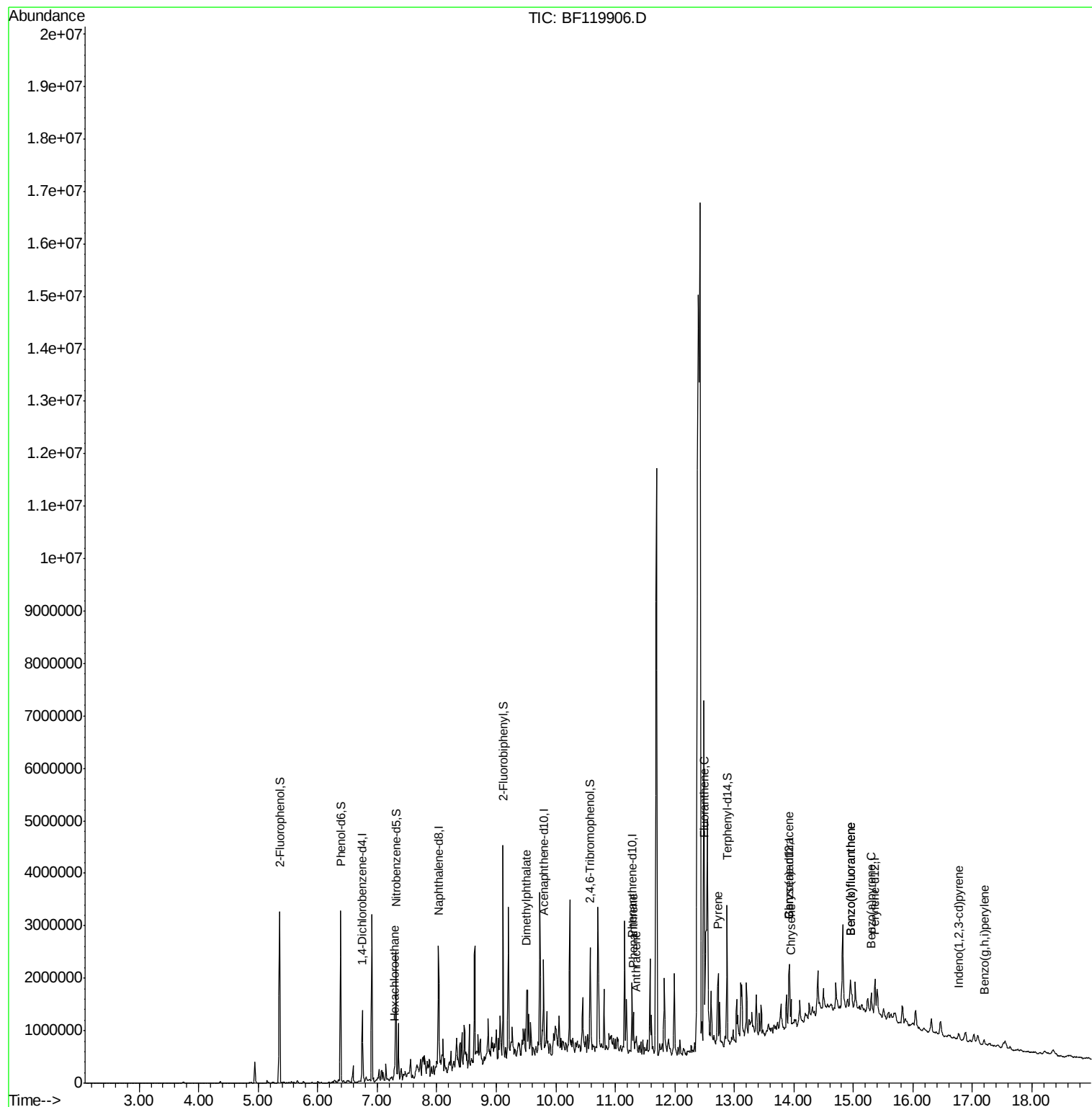
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	184252	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	661383	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	302867	20.00	ng	0.00
64) Phenanthrene-d10	11.28	188	473870	20.00	ng	0.00
76) Chrysene-d12	13.93	240	331548	20.00	ng	0.00
87) Perylene-d12	15.36	264	310231	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	901540	84.56	ng	0.00
7) Phenol-d6	6.39	99	1144336	83.30	ng	0.00
23) Nitrobenzene-d5	7.32	82	708257	55.40	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	243001	65.53	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1232221	57.76	ng	0.00
79) Terphenyl-d14	12.87	244	953485	48.39	ng	0.00
Target Compounds						
9) Benzaldehyde	6.30	77	1360	Below Cal		Qvalue # 1
18) Hexachloroethane	7.29	117	11544	2.325	ng	# 1
50) Dimethylphthalate	9.51	163	226504	9.669	ng	98
71) Phenanthrene	11.30	178	252838	10.025	ng	99
72) Anthracene	11.36	178	83472	3.240	ng	98
75) Fluoranthene	12.50	202	540180	19.851	ng	98
78) Pyrene	12.73	202	515446	18.442	ng	98
81) Benzo(a)anthracene	13.92	228	250825	11.500	ng	97
83) Chrysene	13.95	228	204195	9.214	ng	97
86) Indeno(1,2,3-cd)pyrene	16.77	276	95921	4.910	ng	97
88) Benzo(b)fluoranthene	14.95	252	348806	15.629	ng	# 89
89) Benzo(k)fluoranthene	14.95	252	348806	18.114	ng	# 90
90) Benzo(a)pyrene	15.30	252	185323	9.876	ng	# 92
92) Benzo(a,h,i)perylene	17.20	276	88343	5.385	ng	95

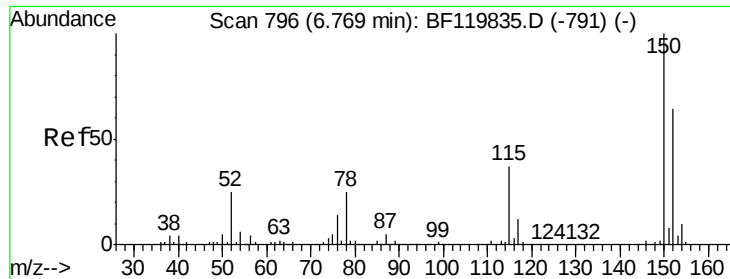
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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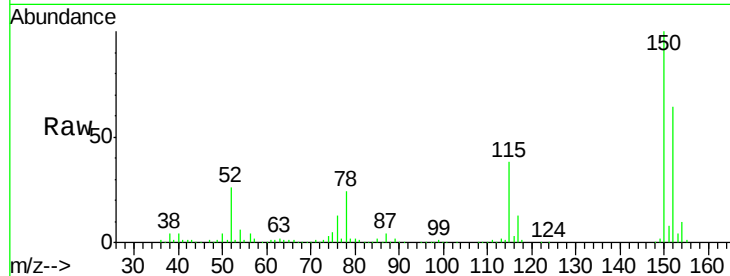


#1

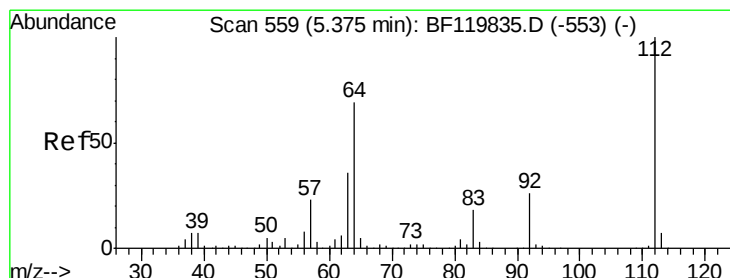
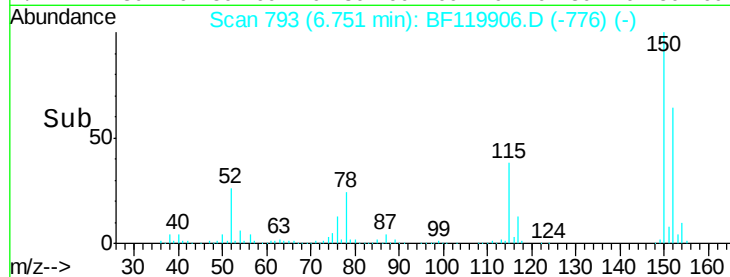
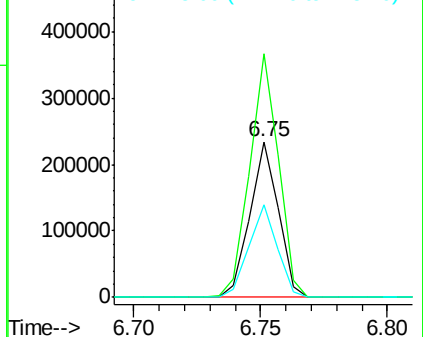
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF119906.D
Acq: 10 Apr 2020 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.8	187.2
115	59.3	46.5	69.7



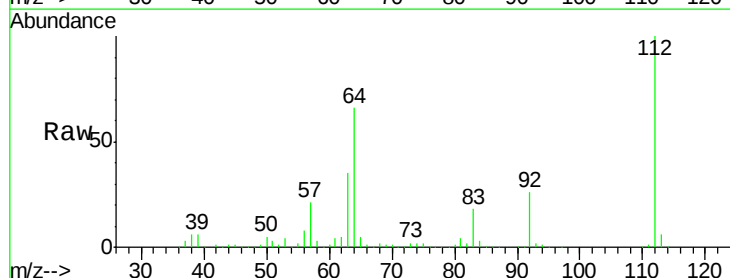
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



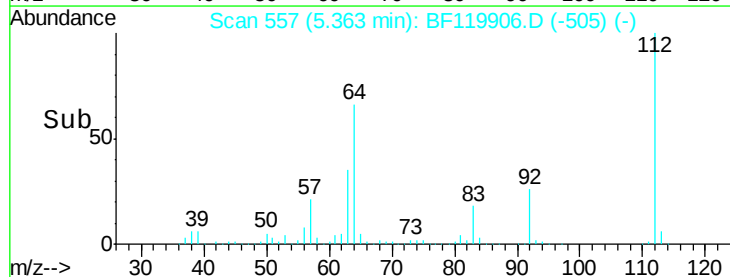
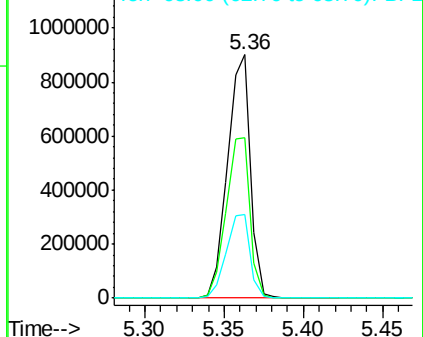
#5

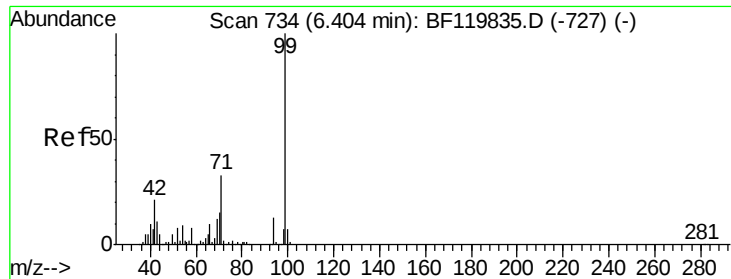
2-Fluorophenol
Concen: 84.560 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF119906.D
Acq: 10 Apr 2020 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	55.5	83.3
63	34.5	29.1	43.7



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: 83.297 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF119906.D

Acq: 10 Apr 2020 20:27

Instrument :

BNA_F

ClientSampleId :

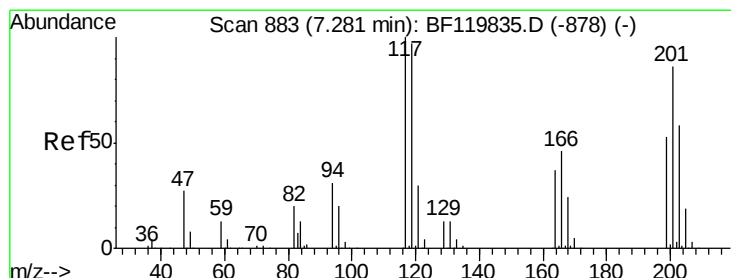
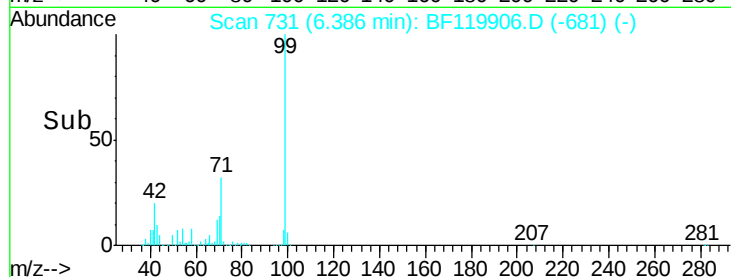
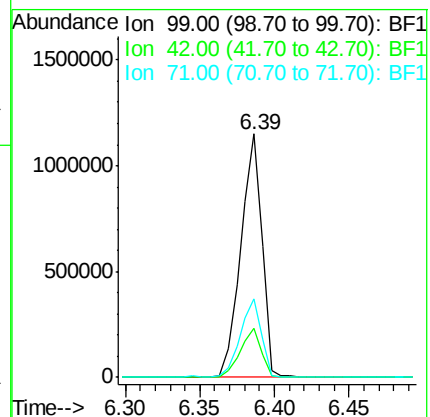
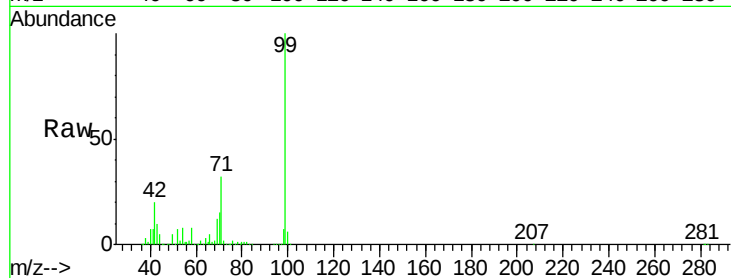
Tot Ion: 99 Resp: 1144336

Ion Ratio Lower Upper

99 100

42 20.3 16.9 25.3

71 32.2 26.3 39.5



#18

Hexachloroethane

Concen: 2.325 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.02 min

Lab File: BF119906.D

Acq: 10 Apr 2020 20:27

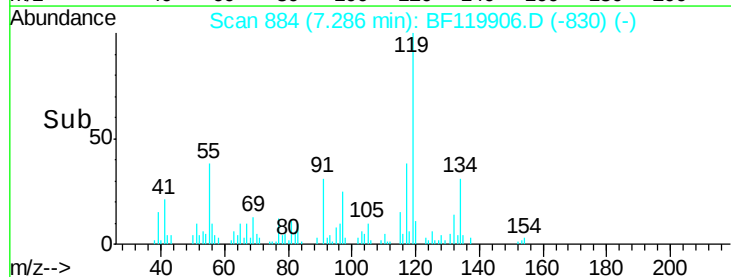
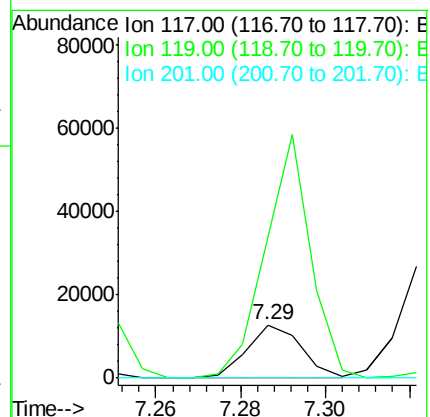
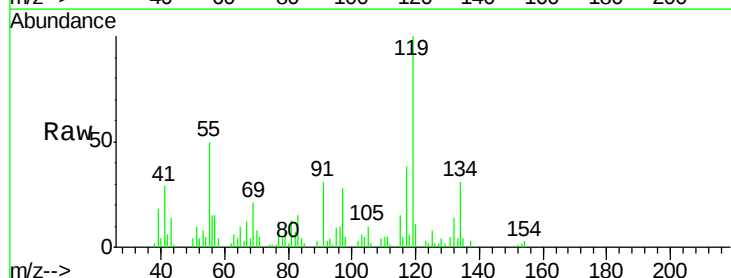
Tgt Ion: 117 Resp: 11544

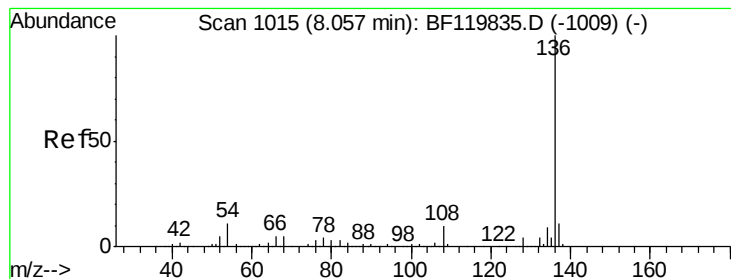
Ion Ratio Lower Upper

117 100

119 265.5 77.4 116.0#

201 0.0 68.4 102.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF119906.D

Acq: 10 Apr 2020 20:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 661383

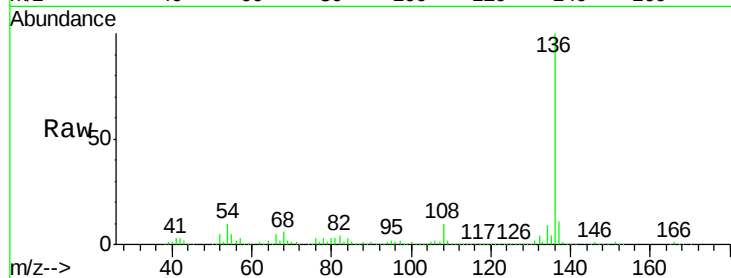
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 9.9 8.5 12.7

68 5.6 3.9 5.9

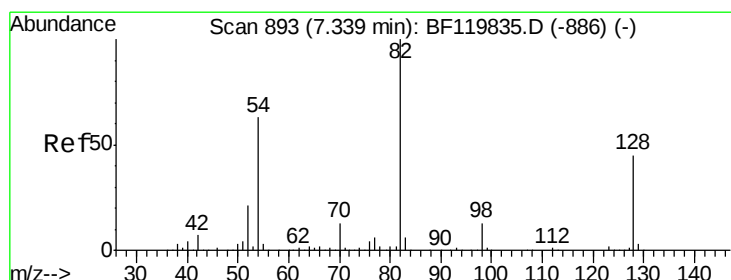
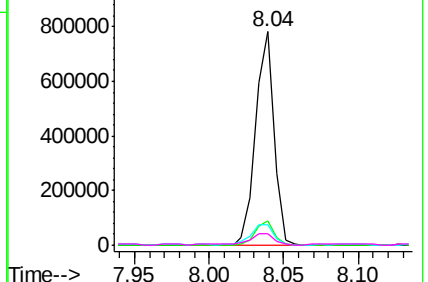
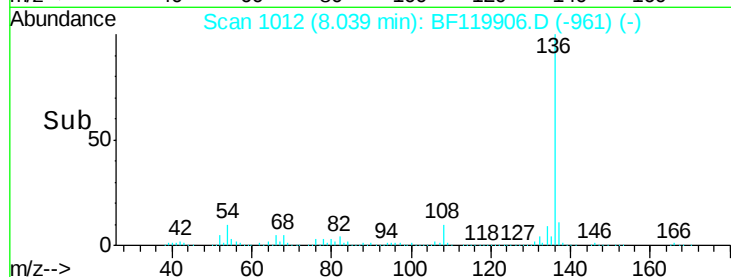


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.400 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF119906.D

Acq: 10 Apr 2020 20:27

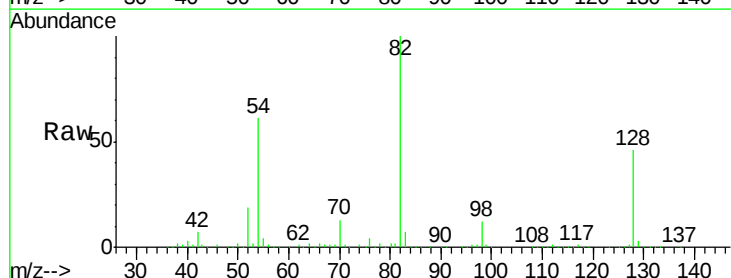
Tgt Ion: 82 Resp: 708257

Ion Ratio Lower Upper

82 100

128 45.6 36.2 54.4

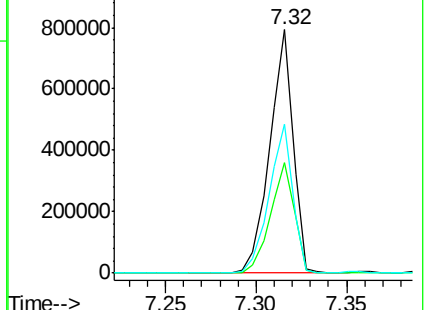
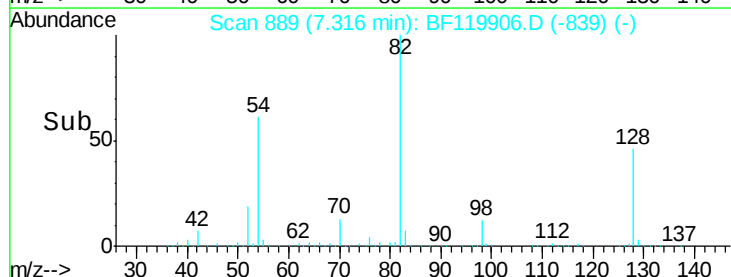
54 61.3 50.4 75.6

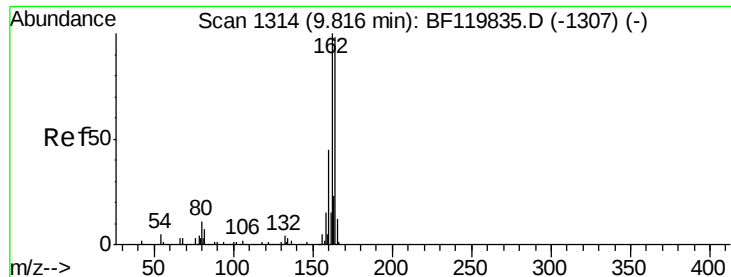


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

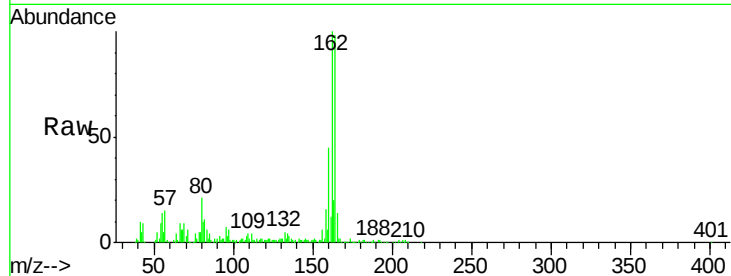




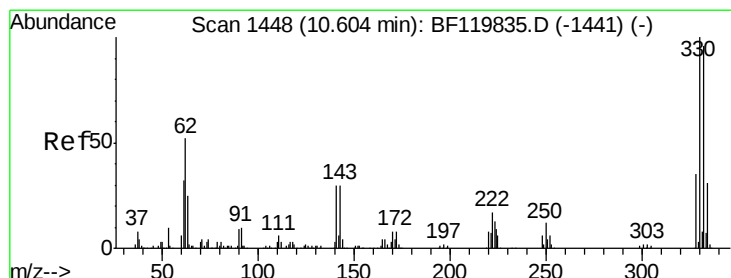
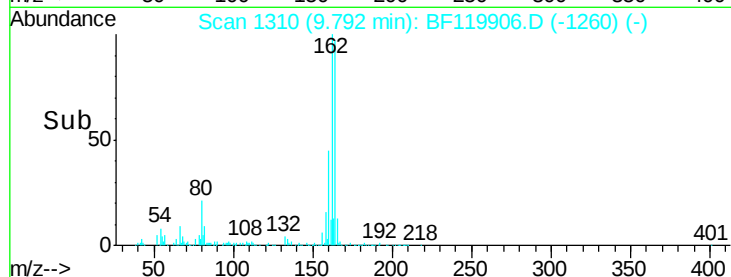
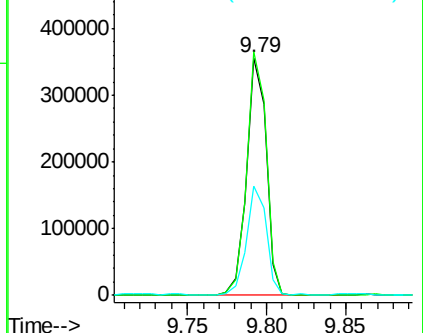
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF119906.D
Acq: 10 Apr 2020 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.9	122.9
160	46.2	36.6	54.8

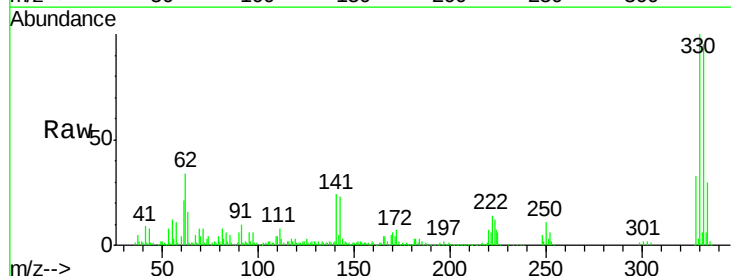


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

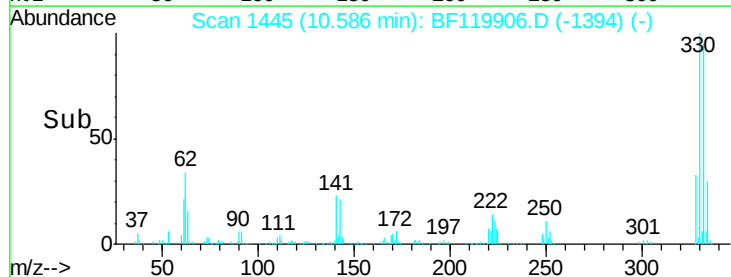
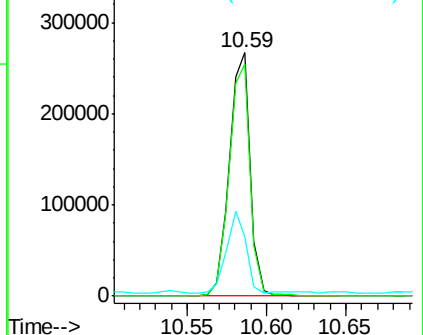


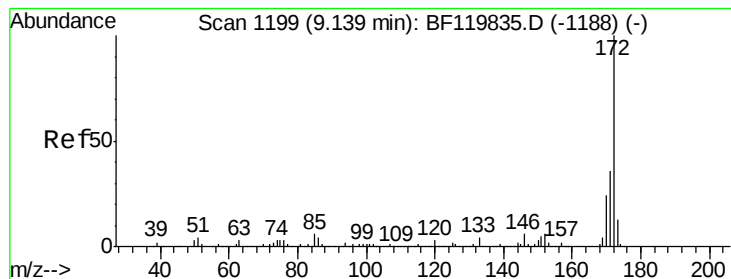
#42
2,4,6-Tribromophenol
Concen: 65.532 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BF119906.D
Acq: 10 Apr 2020 20:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.8	115.2
141	30.8	25.1	37.7



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

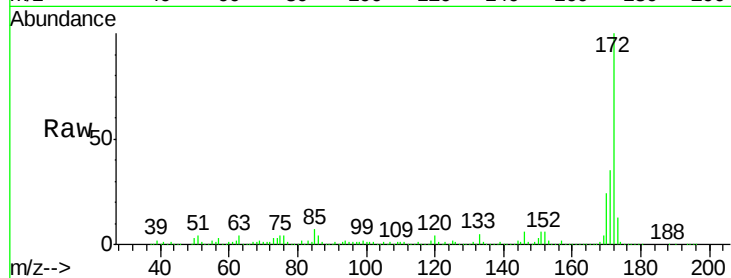




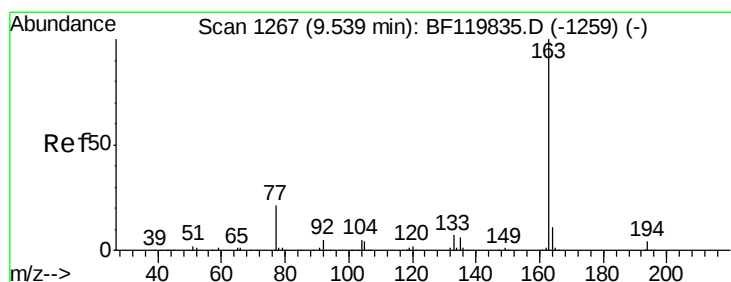
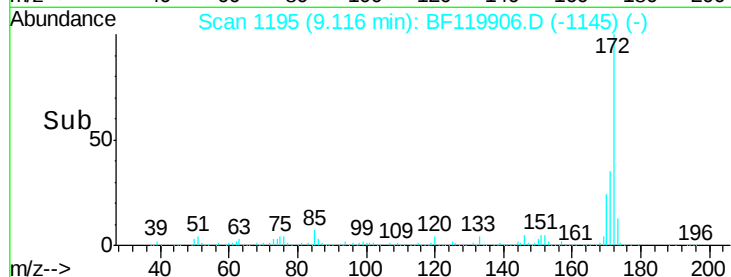
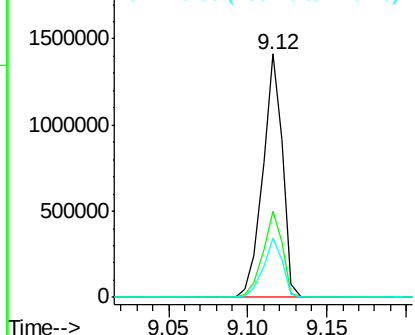
#45
 2-Fluorobiphenyl
 Concen: 57.764 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF119906.D
 Acq: 10 Apr 2020 20:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1232221
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.9 43.3
 170 24.2 19.4 29.2

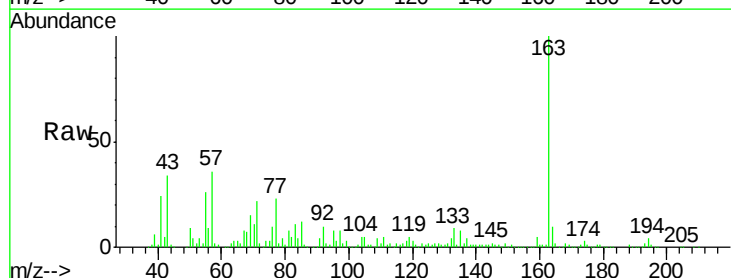


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

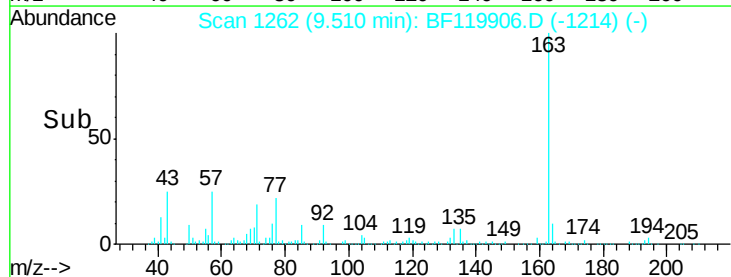
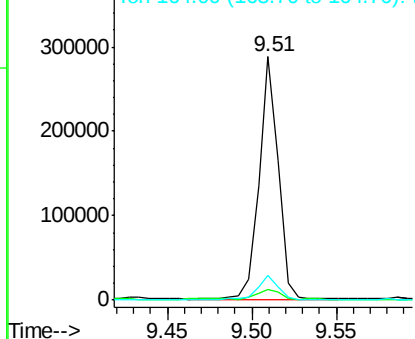


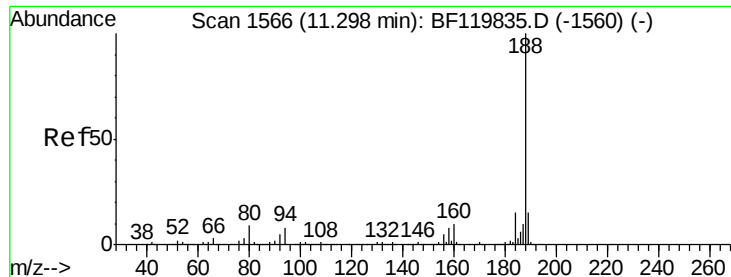
#50
 Dimethylphthalate
 Concen: 9.669 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF119906.D
 Acq: 10 Apr 2020 20:27

Tgt Ion:163 Resp: 226504
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.0 4.4
 164 9.9 8.4 12.6



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

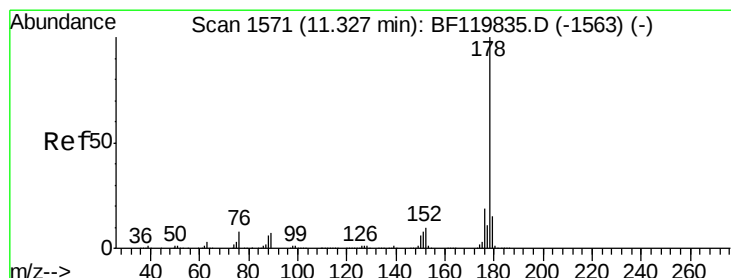
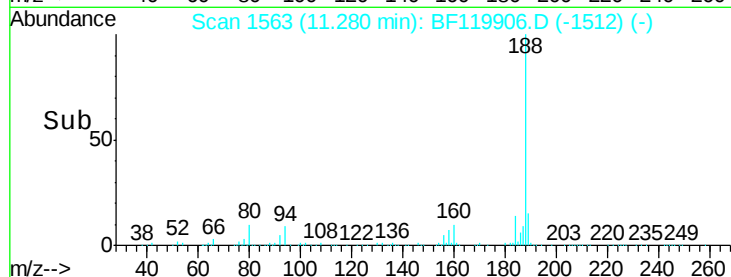
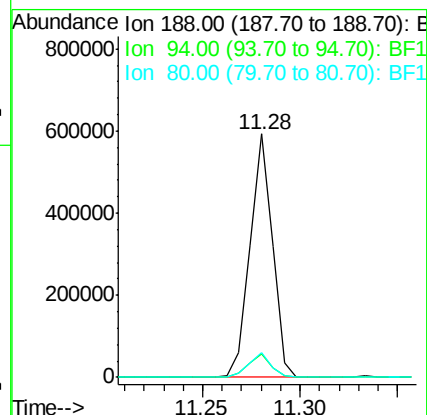
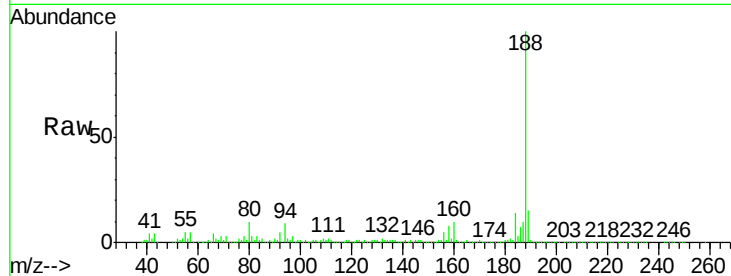




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: BF119906.D
 Acq: 10 Apr 2020 20:27

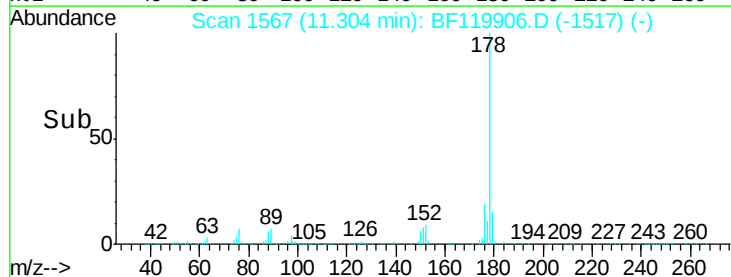
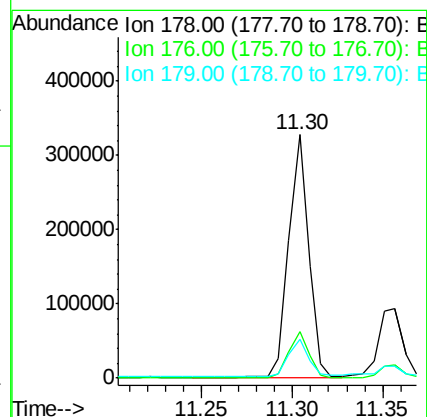
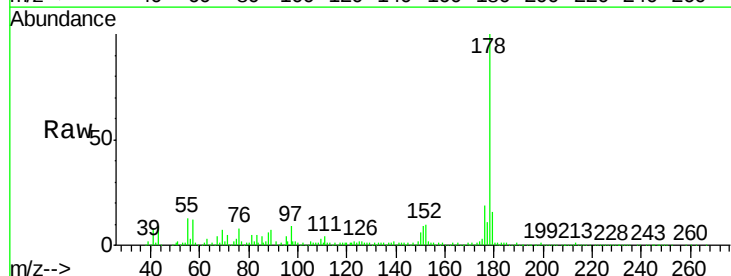
Instrument :
 BNA_F
 ClientSampleId :

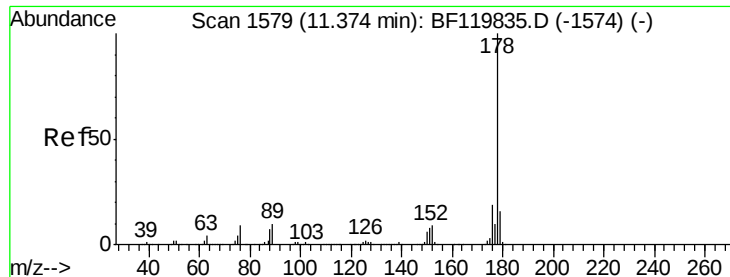
Tot Ion:188 Resp: 473870
 Ion Ratio Lower Upper
 188 100
 94 9.4 6.7 10.1
 80 9.9 7.4 11.2



#71
 Phenanthrene
 Concen: 10.025 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF119906.D
 Acq: 10 Apr 2020 20:27

Tgt Ion:178 Resp: 252838
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 16.1 12.2 18.4





#72

Anthracene

Concen: 3.240 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF119906.D

Acq: 10 Apr 2020 20:27

Instrument :

BNA_F

ClientSampleId :

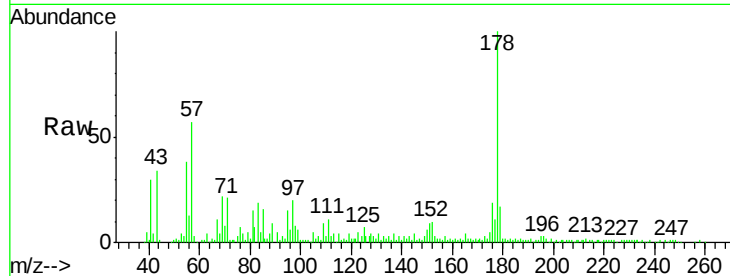
Tot Ion:178 Resp: 83472

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

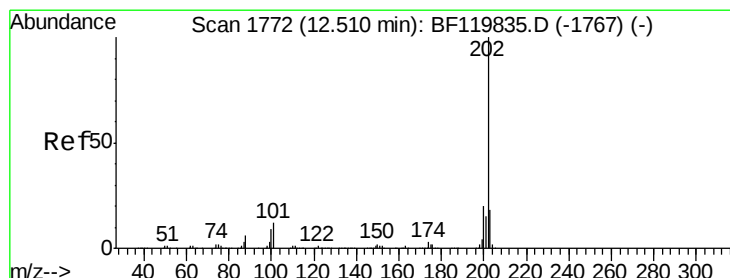
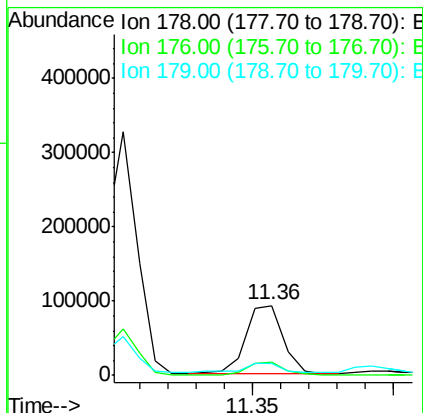
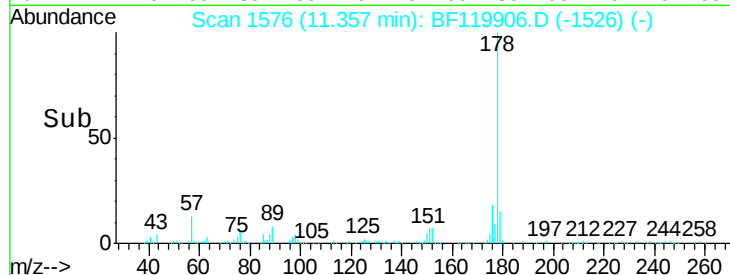
179 16.9 12.8 19.2



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: 19.851 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BF119906.D

Acq: 10 Apr 2020 20:27

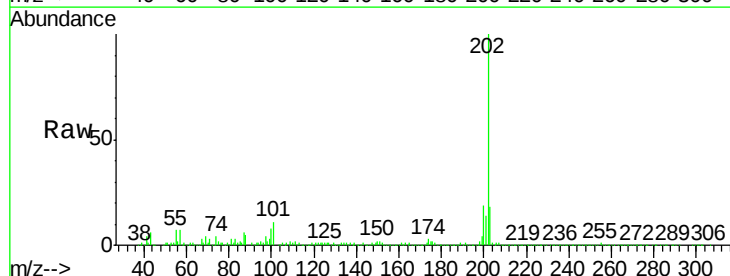
Tgt Ion:202 Resp: 540180

Ion Ratio Lower Upper

202 100

101 10.5 0.0 32.3

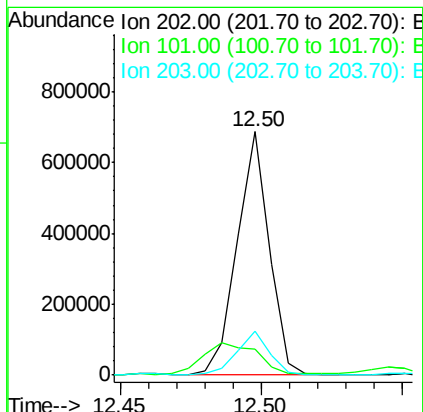
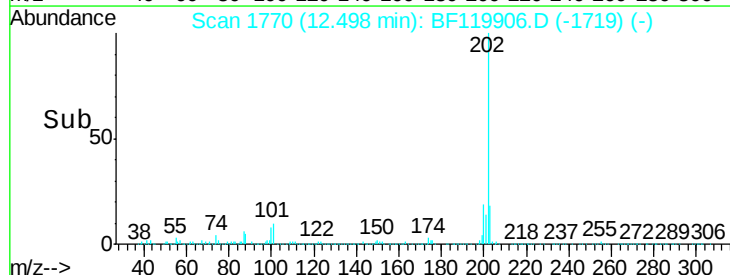
203 18.0 0.0 37.6

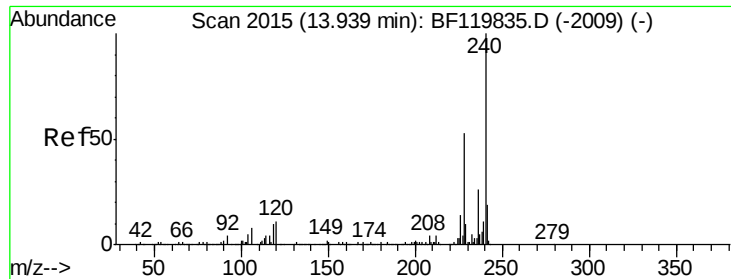


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BF119906.D

Acq: 10 Apr 2020 20:27

Instrument :

BNA_F

ClientSampleId :

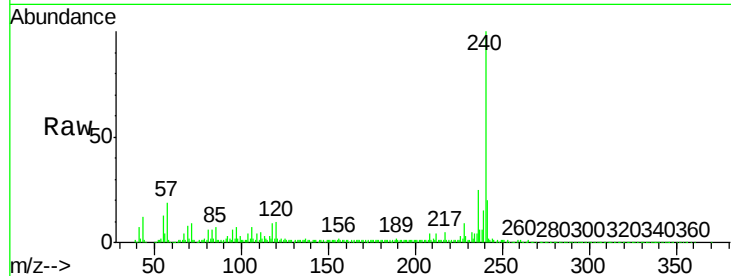
Tot Ion:240 Resp: 331548

Ion Ratio Lower Upper

240 100

120 10.1 9.0 13.6

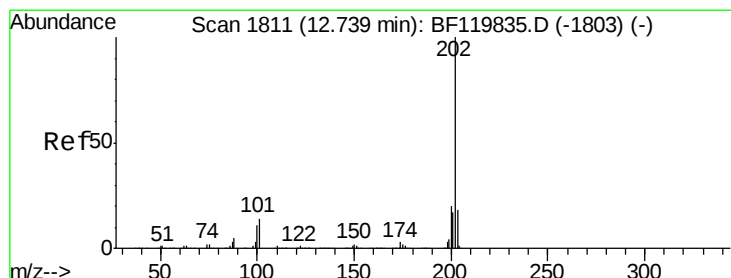
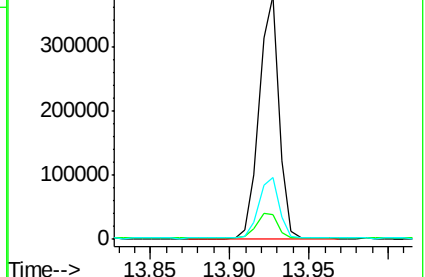
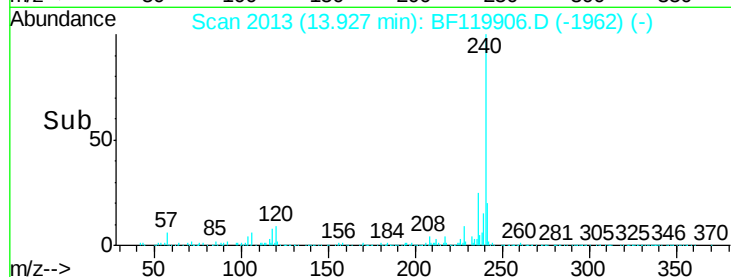
236 25.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 18.442 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.00 min

Lab File: BF119906.D

Acq: 10 Apr 2020 20:27

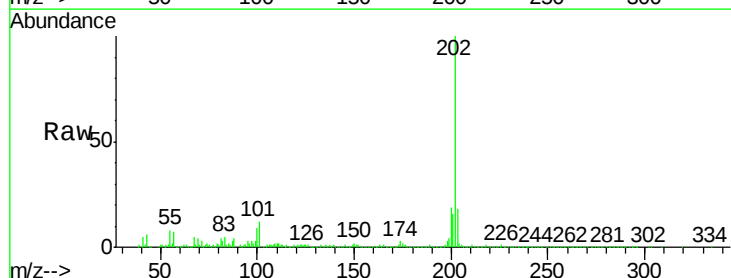
Tgt Ion:202 Resp: 515446

Ion Ratio Lower Upper

202 100

200 19.1 16.2 24.2

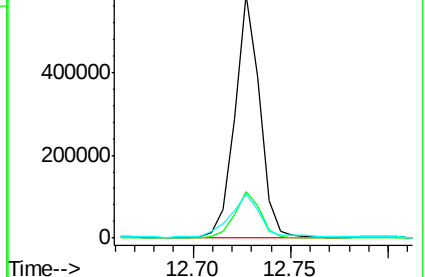
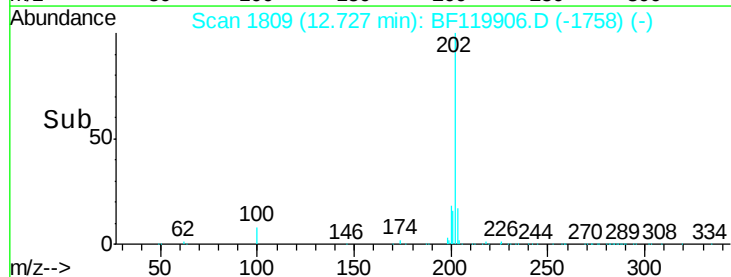
203 18.1 14.1 21.1

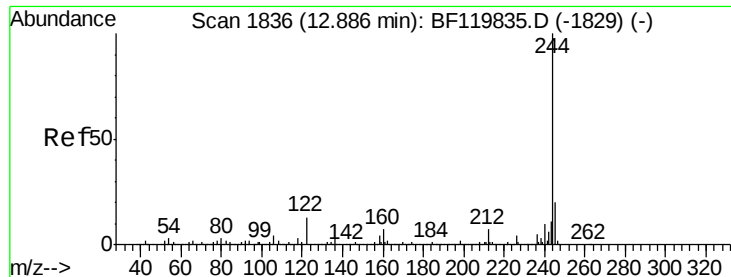


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

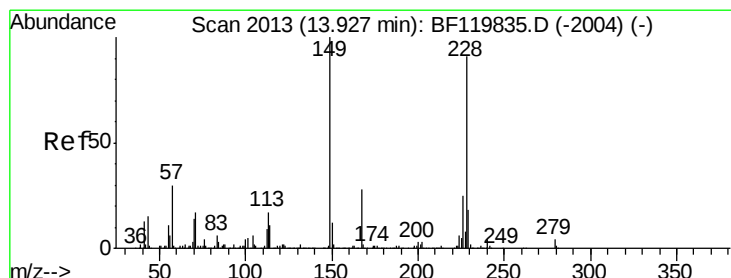
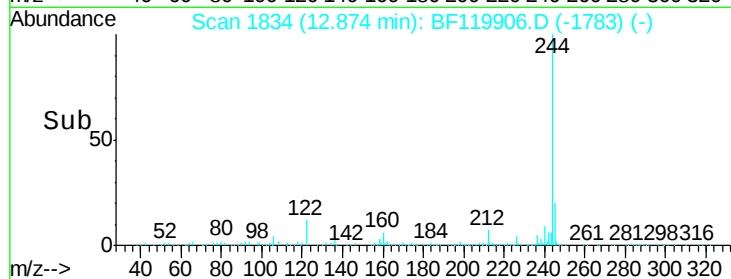
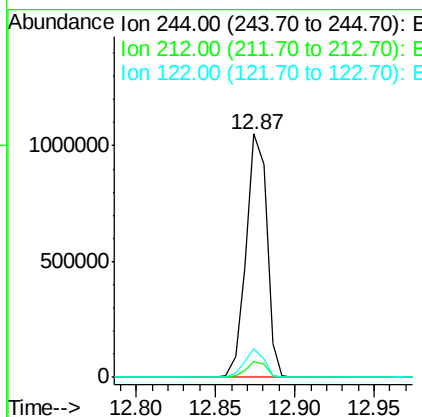
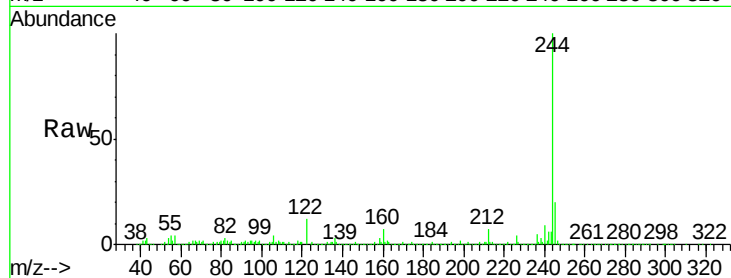




#79
 Terphenyl-d14
 Concen: 48.391 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. -0.00 min
 Lab File: BF119906.D
 Acq: 10 Apr 2020 20:27

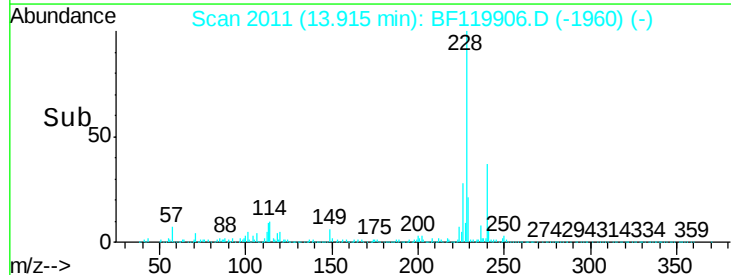
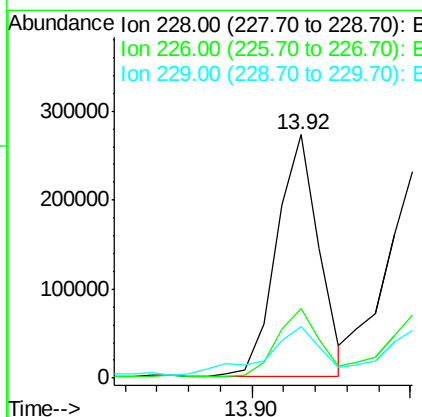
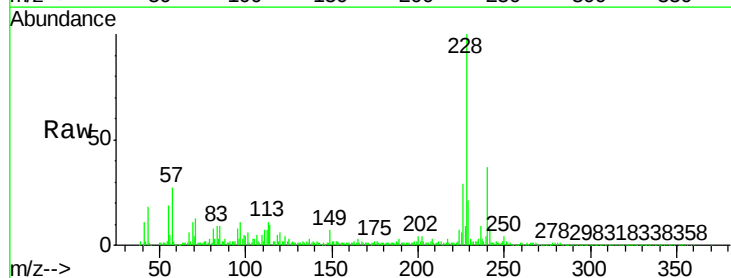
Instrument :
 BNA_F
 ClientSampleId :

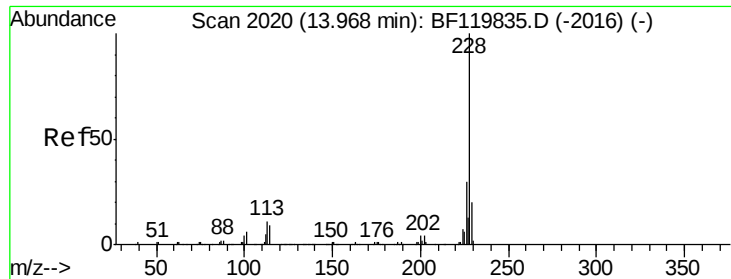
Tot Ion:244 Resp: 953485
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.9 10.3 15.5



#81
 Benzo(a)anthracene
 Concen: 11.500 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: BF119906.D
 Acq: 10 Apr 2020 20:27

Tgt Ion:228 Resp: 250825
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.9 32.9
 229 21.3 15.9 23.9

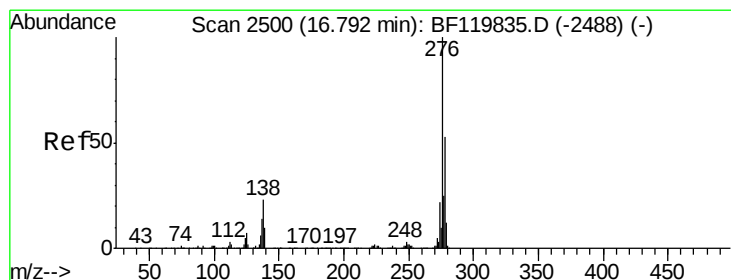
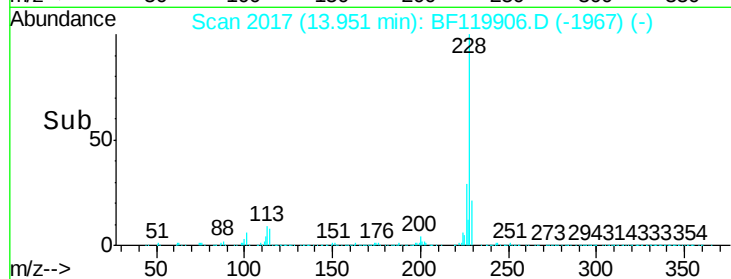
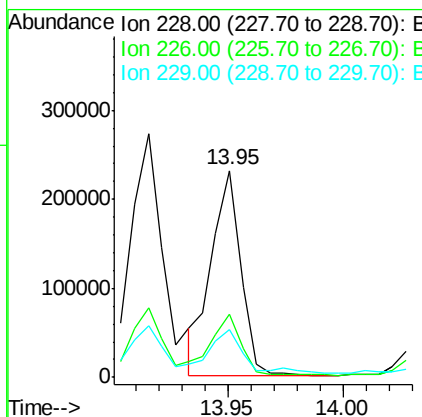
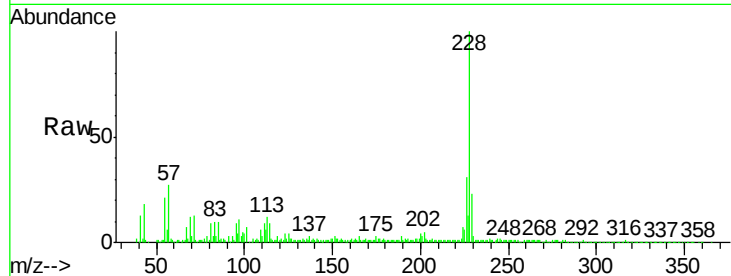




#83
Chrysene
Concen: 9.214 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF119906.D
Acq: 10 Apr 2020 20:27

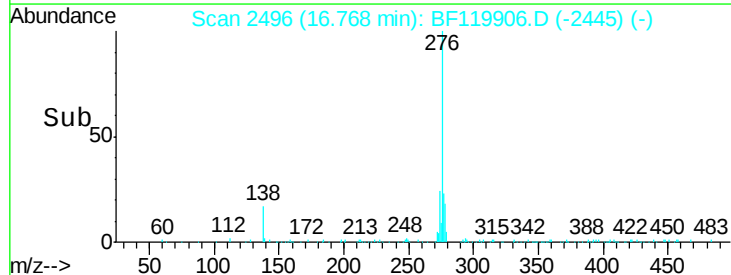
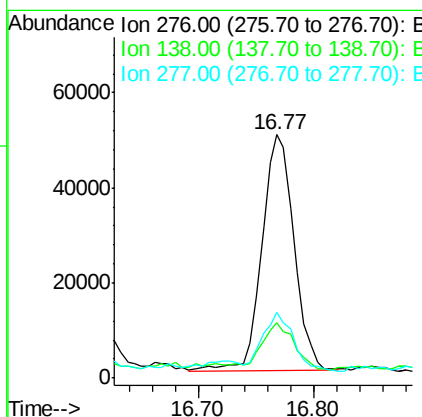
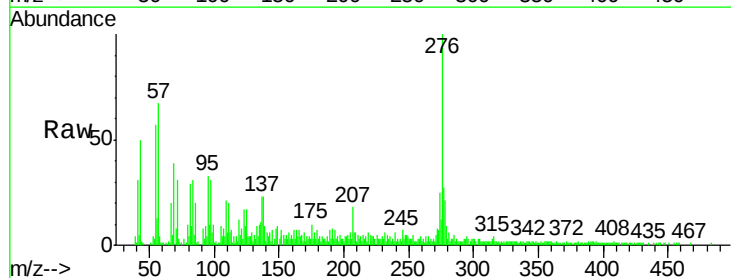
Instrument :
BNA_F
ClientSampleId :

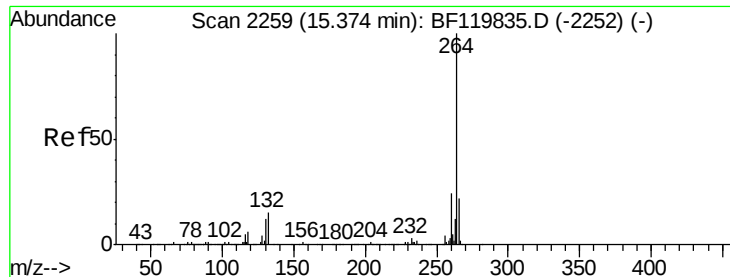
Tot Ion:228	Resp:	204195
Ion Ratio	Lower	Upper
228	100	
226	30.6	24.2 36.2
229	23.3	15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.910 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.00 min
Lab File: BF119906.D
Acq: 10 Apr 2020 20:27

Tgt Ion:276	Resp:	95921
Ion Ratio	Lower	Upper
276	100	
138	19.9	18.0 27.0
277	25.0	20.1 30.1

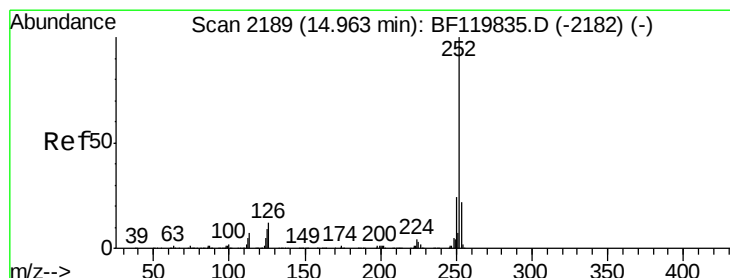
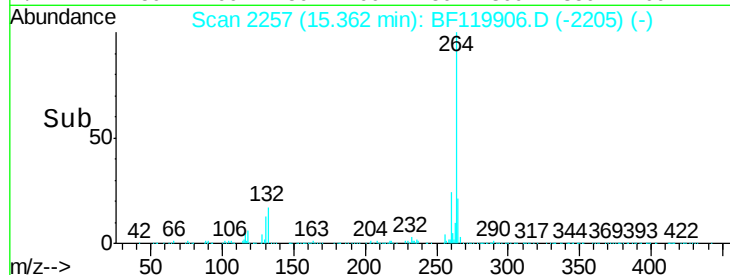
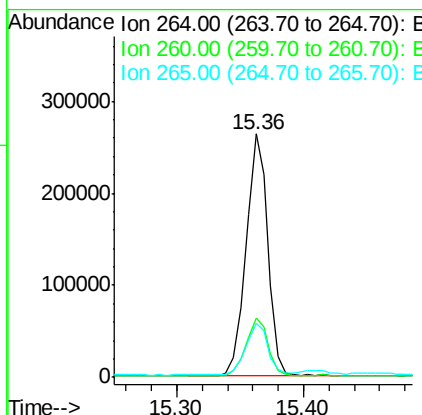
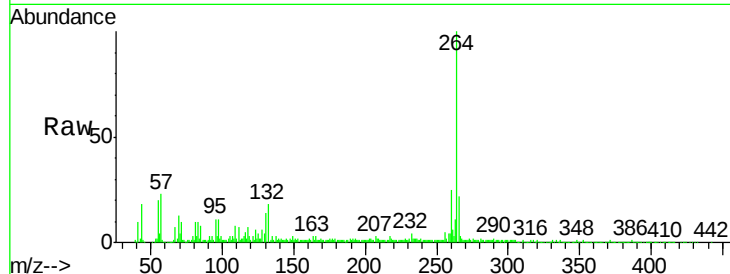




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.01 min
Lab File: BF119906.D
Acq: 10 Apr 2020 20:27

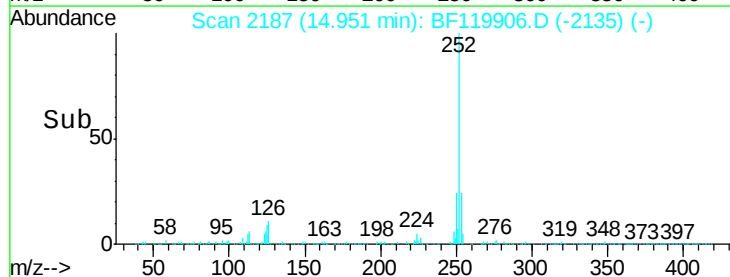
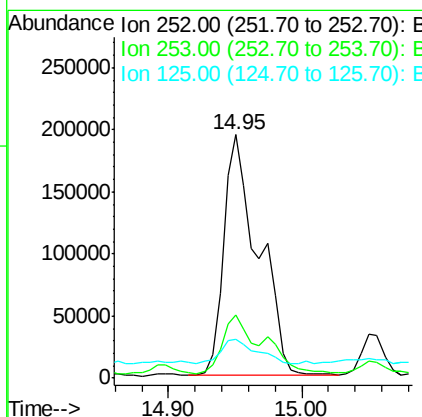
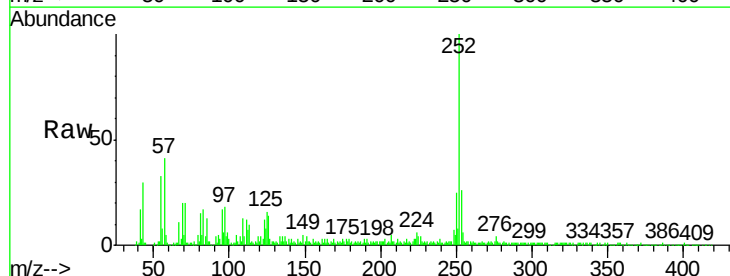
Instrument :
BNA_F
ClientSampleId :

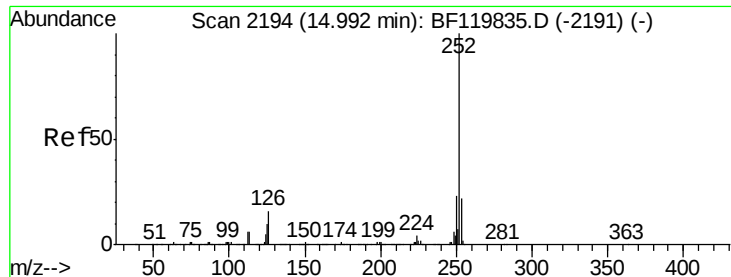
Tot Ion:264 Resp: 310231
Ion Ratio Lower Upper
264 100
260 24.6 19.3 28.9
265 22.4 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 15.629 ng
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF119906.D
Acq: 10 Apr 2020 20:27

Tgt Ion:252 Resp: 348806
Ion Ratio Lower Upper
252 100
253 25.7 17.7 26.5
125 16.0 7.4 11.2#

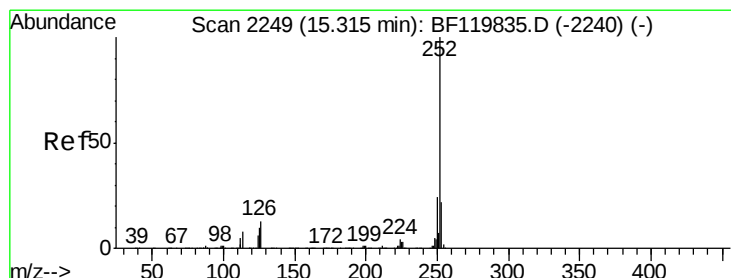
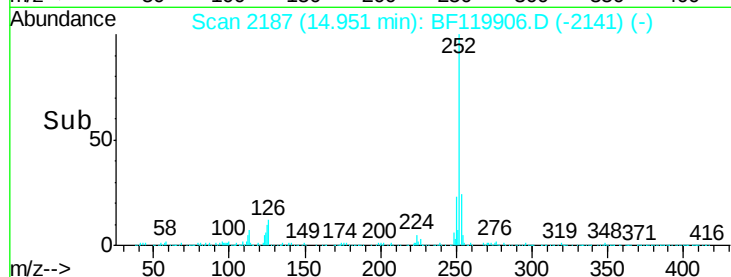
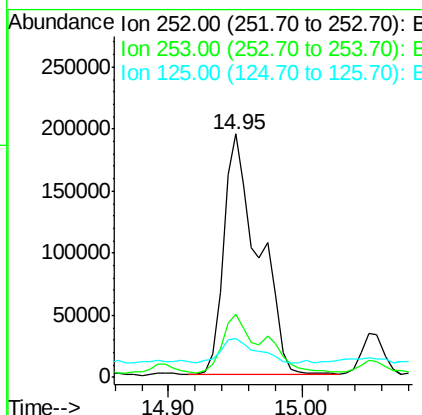
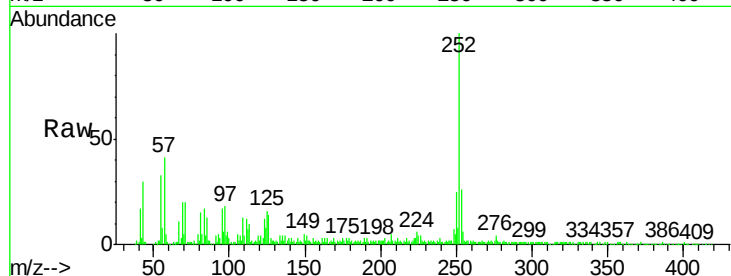




#89
Benzo(k)fluoranthene
Concen: 18.114 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.03 min
Lab File: BF119906.D
Acq: 10 Apr 2020 20:27

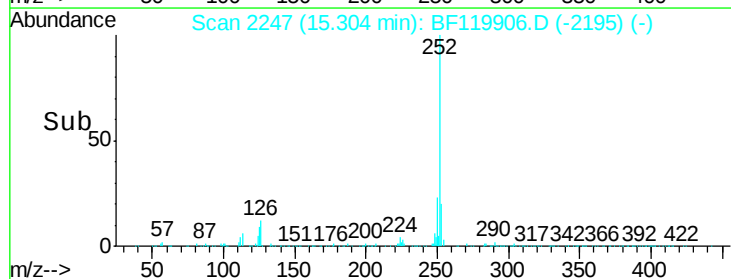
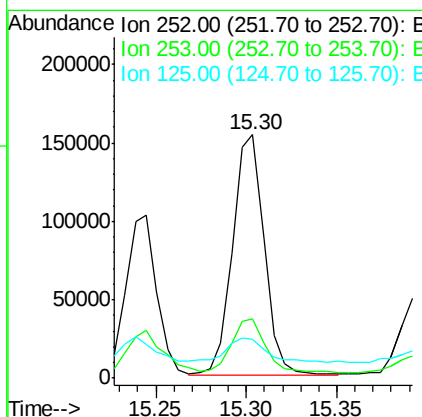
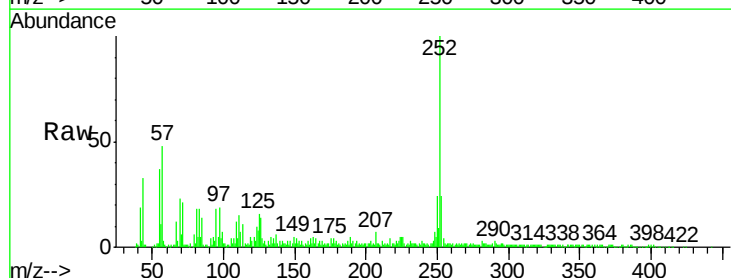
Instrument :
BNA_F
ClientSampled :

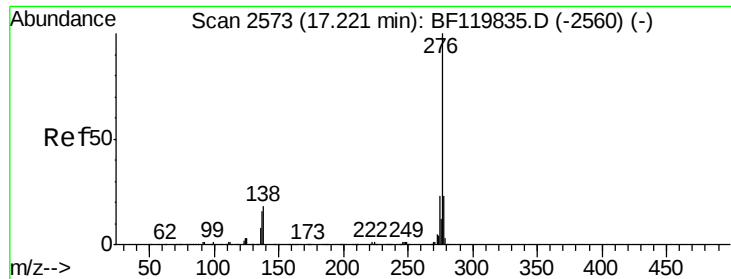
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.8	26.8
125	16.0	7.7	11.5



#90
Benzo(a)pyrene
Concen: 9.876 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF119906.D
Acq: 10 Apr 2020 20:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.2
125	16.1	8.3	12.5





#92

Benzo(a,h,i)perylene

Concen: 5.385 ng

RT: 17.20 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BF119906.D

Acq: 10 Apr 2020 20:27

Instrument :

BNA_F

ClientSampleId :

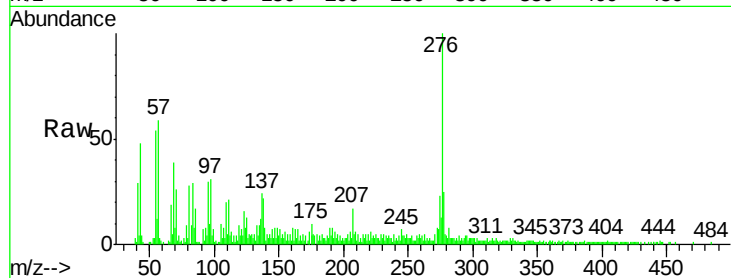
Tot Ion: 276 Resp: 88343

Ion Ratio Lower Upper

276 100

277 24.6 18.5 27.7

138 21.9 14.6 22.0



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

