

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119328.D
 Acq On : 10 Mar 2020 20:51
 Operator : CG/JU
 Sample : L1849-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 11 01:41:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	124510	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	448312	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	210769	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	316303	20.00	ng	0.00
76) Chrysene-d12	13.89	240	251558	20.00	ng	0.00
87) Perylene-d12	15.32	264	214111	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	370732	49.76	ng	0.00
7) Phenol-d6	6.38	99	453436	50.04	ng	0.00
23) Nitrobenzene-d5	7.29	82	280829	33.07	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	99180	35.97	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	504861	35.29	ng	0.00
79) Terphenyl-d14	12.82	244	431383	29.52	ng	0.00

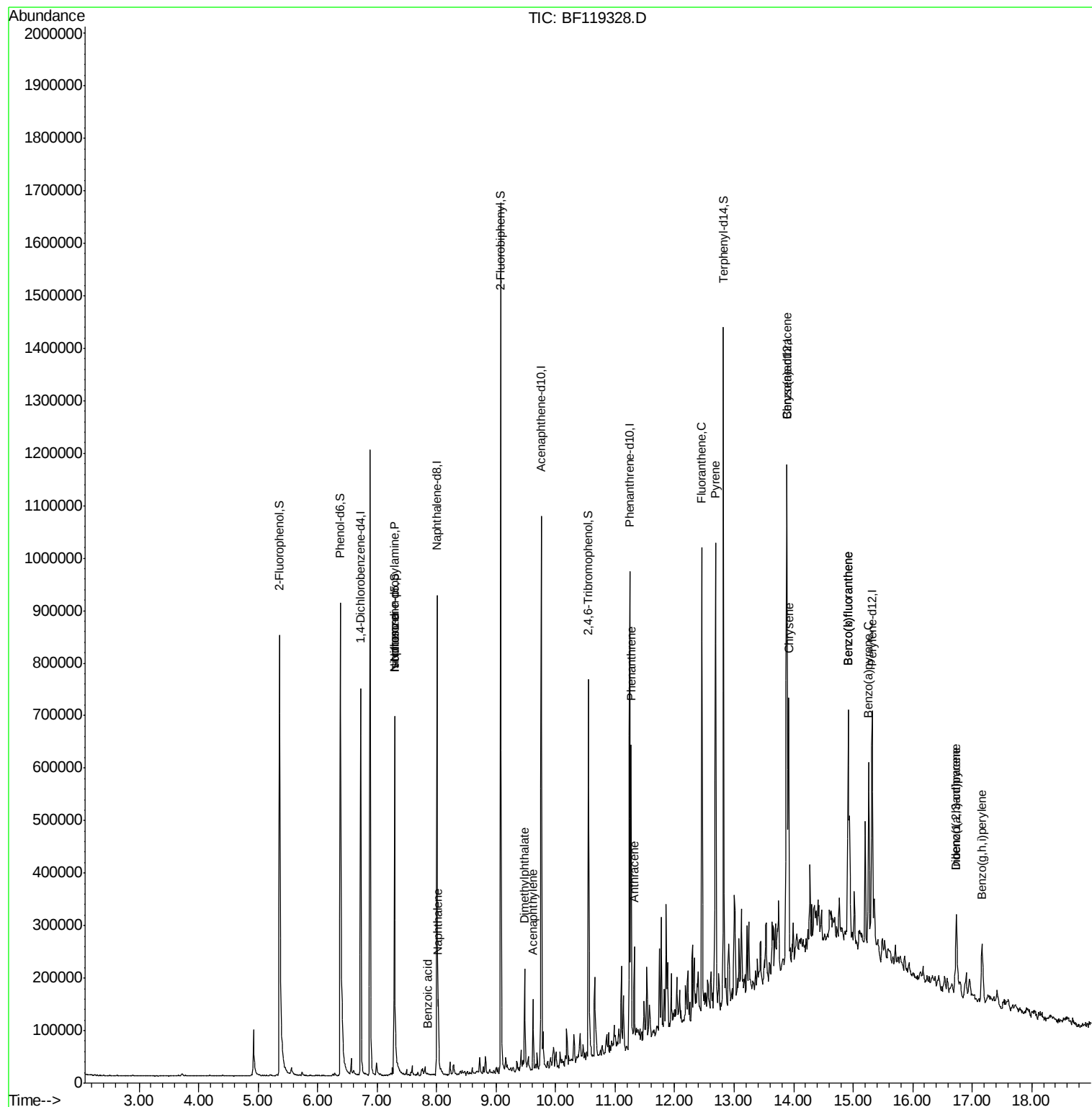
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	38131	7.222	ng	# 74
25) Isophorone	7.29	82	280829	19.045	ng	# 63
31) Naphthalene	8.03	128	57896	2.490	ng	98
32) Benzoic acid	7.85	122	1496	6.972	ng	# 24
49) Acenaphthylene	9.62	152	54812	2.765	ng	98
50) Dimethylphthalate	9.48	163	86799	5.386	ng	100
71) Phenanthrene	11.27	178	213982	12.405	ng	97
72) Anthracene	11.32	178	71837	4.168	ng	98
75) Fluoranthene	12.46	202	332343	18.151	ng	99
78) Pyrene	12.69	202	365199	18.079	ng	98
81) Benzo(a)anthracene	13.88	228	218788	12.765	ng	99
83) Chrysene	13.92	228	202642	11.865	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	104140	6.297	ng	# 93
88) Benzo(b)fluoranthene	14.92	252	325546	23.067	ng	98
89) Benzo(k)fluoranthene	14.92	252	325546	24.891	ng	98
90) Benzo(a)pyrene	15.26	252	176352	13.845	ng	99
91) Dibenzo(a,h)anthracene	16.73	278	24449	2.182	ng	# 77
92) Benzo(g,h,i)perylene	17.17	276	96018	8.671	ng	96

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119328.D
Acq On : 10 Mar 2020 20:51
Operator : CG/JU
Sample : L1849-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 11 01:41:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 06 23:38:46 2020
Response via : Initial Calibration



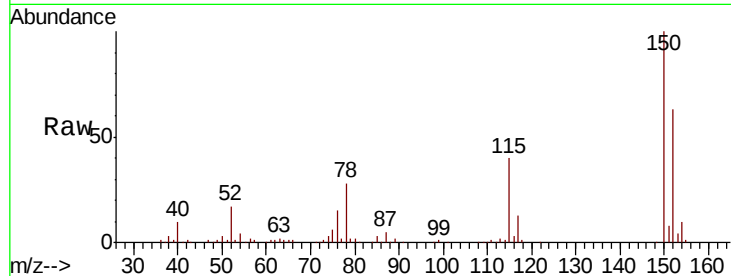


#1

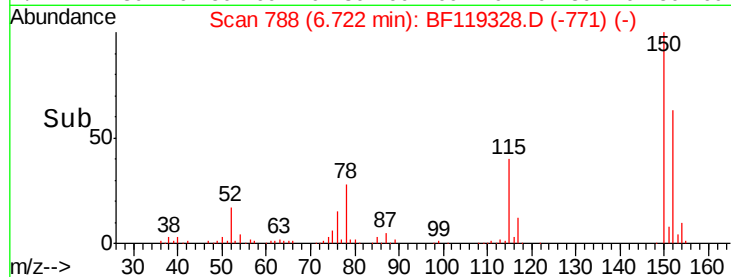
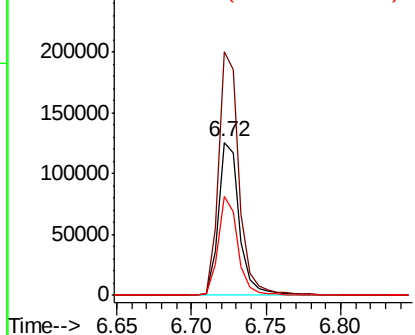
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF119328.D
 Acq: 10 Mar 2020 20:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 124510
 Ion Ratio Lower Upper
 152 100
 150 158.9 123.0 184.6
 115 64.3 49.5 74.3



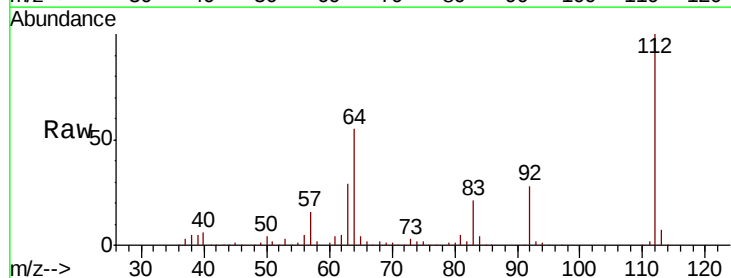
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



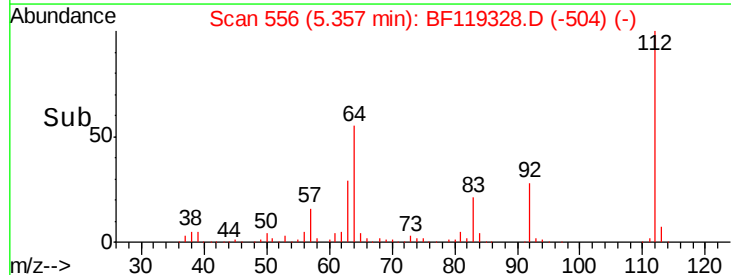
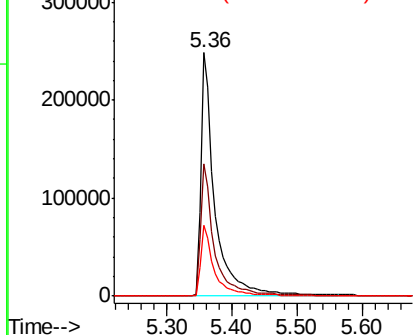
#5

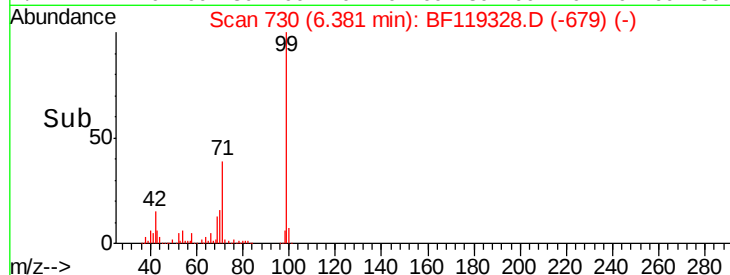
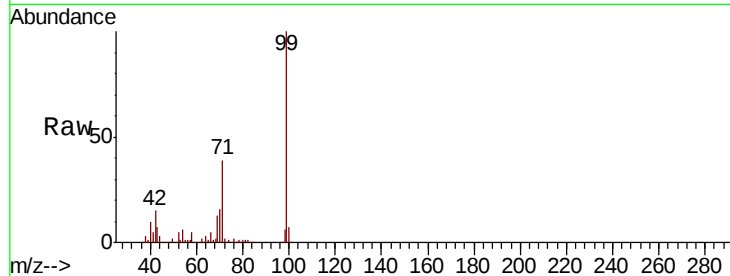
2-Fluorophenol
 Concen: 49.760 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF119328.D
 Acq: 10 Mar 2020 20:51

Tgt Ion:112 Resp: 370732
 Ion Ratio Lower Upper
 112 100
 64 54.6 45.0 67.4
 63 29.1 24.2 36.4



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: 50.042 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Instrument :

BNA_F

ClientSampleId :

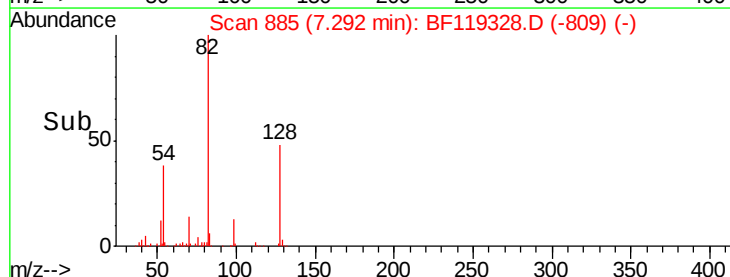
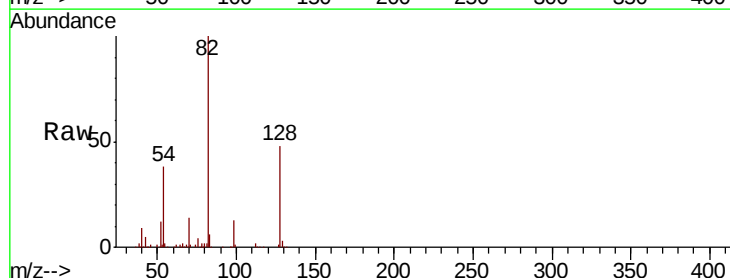
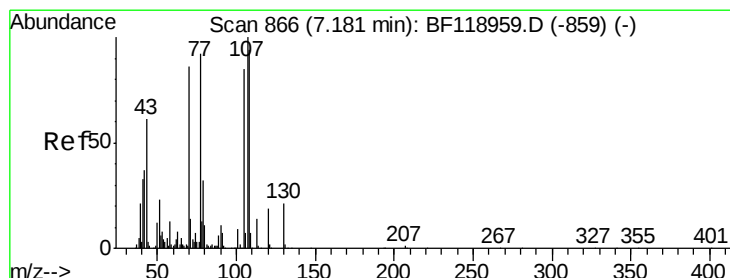
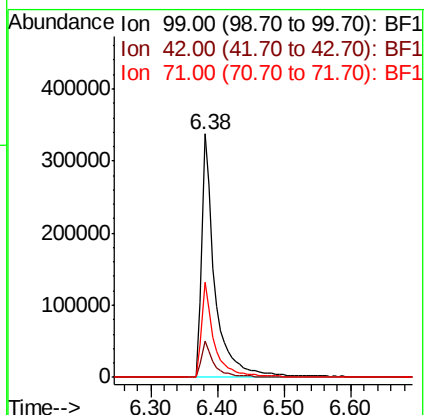
Tot Ion: 99 Resp: 453436

Ion Ratio Lower Upper

99 100

42 15.1 12.6 18.8

71 39.0 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 7.222 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Tgt Ion: 70 Resp: 38131

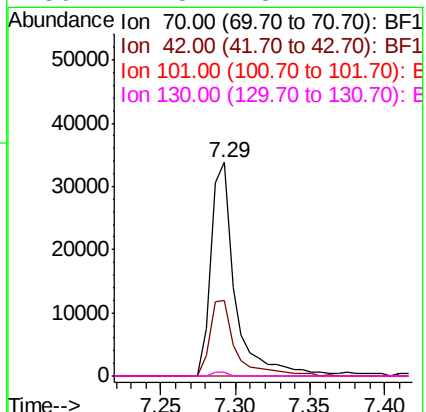
Ion Ratio Lower Upper

70 100

42 35.4 38.0 57.0#

101 0.0 8.2 12.4#

130 1.8 18.2 27.4#

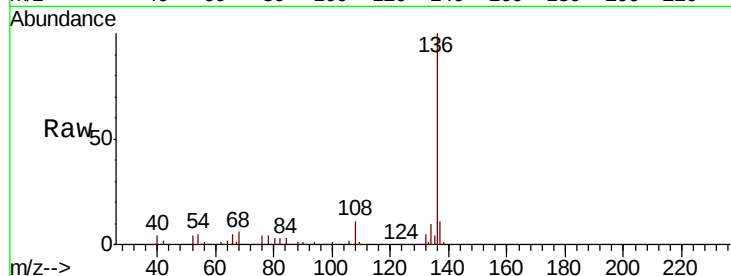




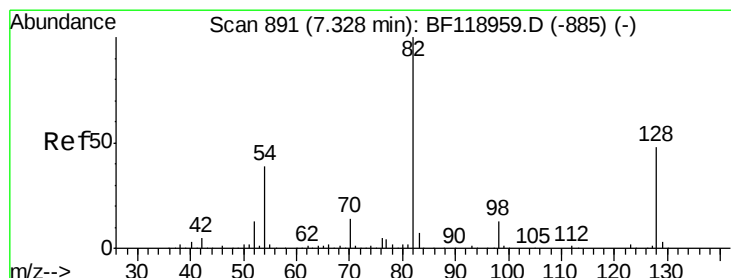
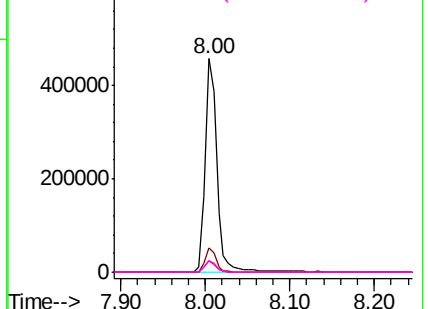
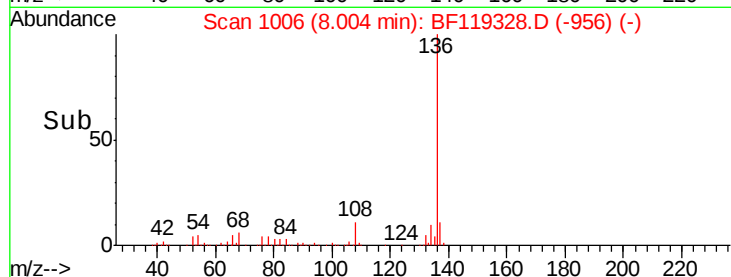
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	448312
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.8 13.2
54	5.3	3.8 5.6
68	5.6	3.9 5.9

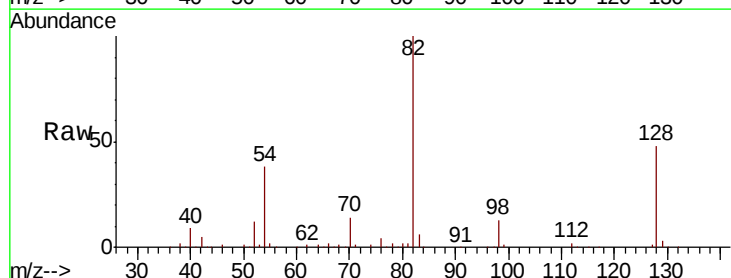


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

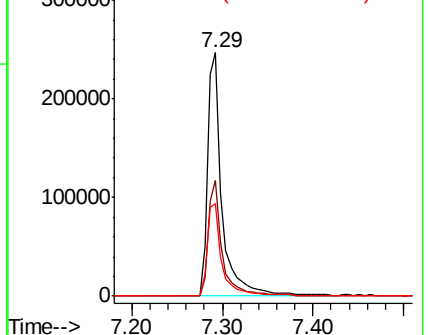
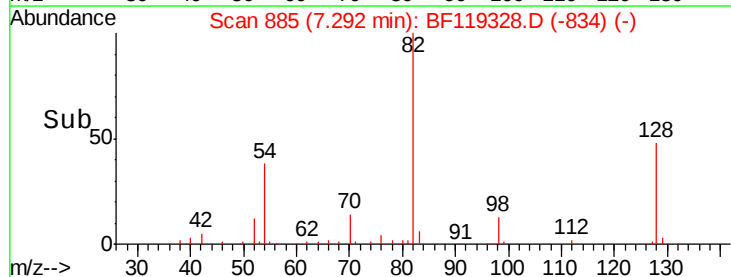


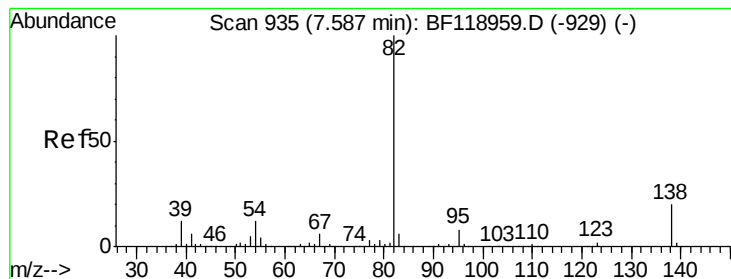
#23
Nitrobenzene-d5
Concen: 33.075 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion: 82	Resp:	280829
Ion	Ratio	Lower Upper
82	100	
128	47.5	37.9 56.9
54	38.2	33.4 50.2



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: 19.045 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Instrument :

BNA_F

ClientSampleId :

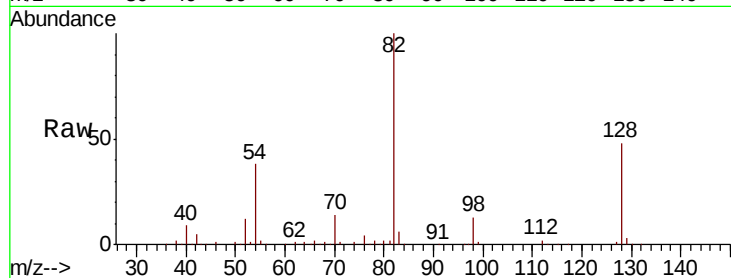
Tot Ion: 82 Resp: 280829

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

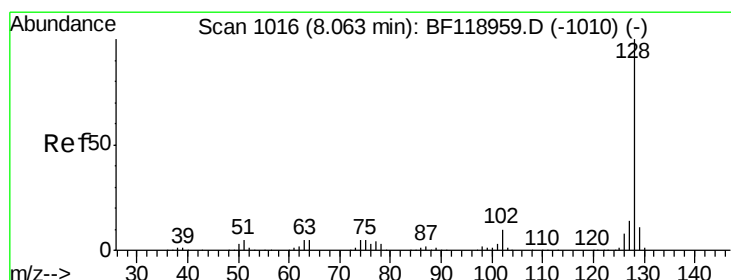
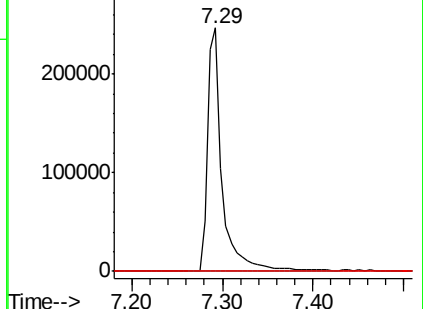
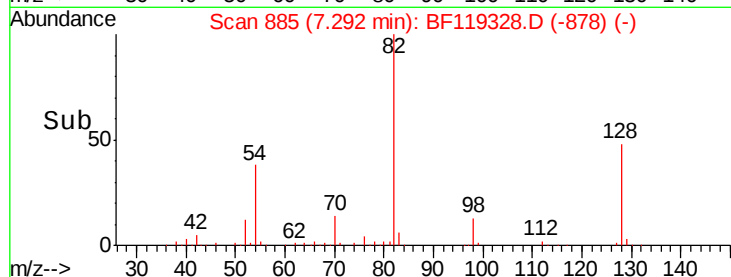
138 0.0 15.7 23.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 2.490 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

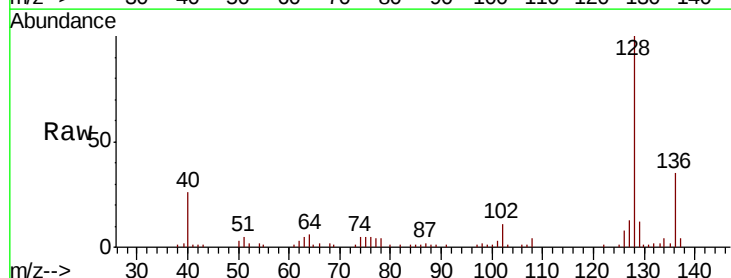
Tgt Ion: 128 Resp: 57896

Ion Ratio Lower Upper

128 100

129 12.3 9.4 14.2

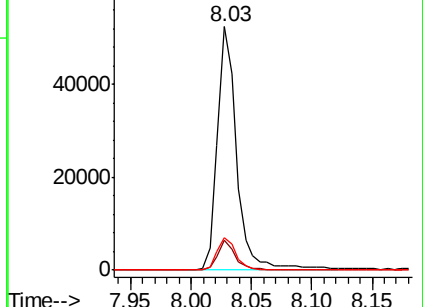
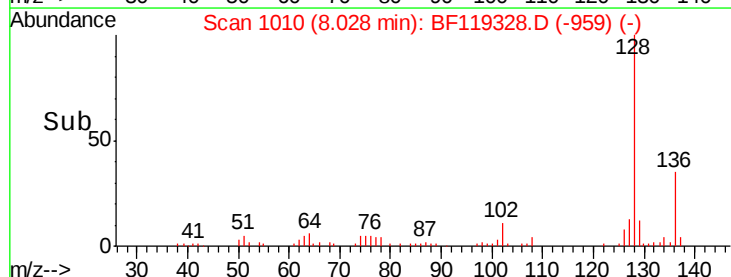
127 13.3 11.4 17.2

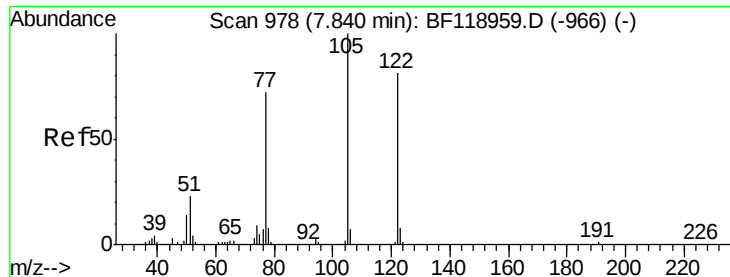


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

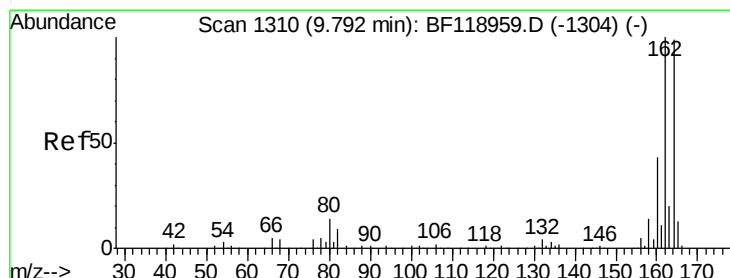
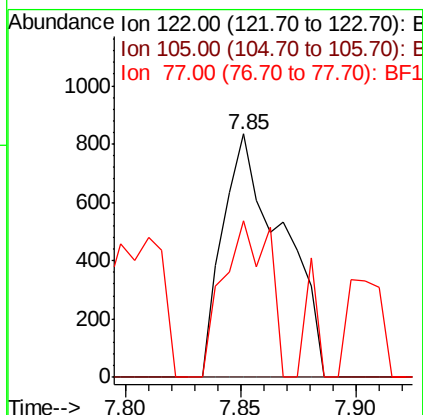
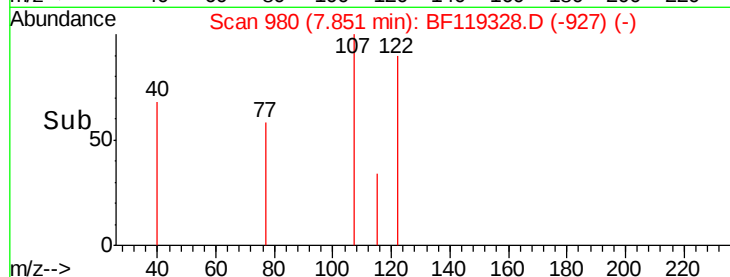
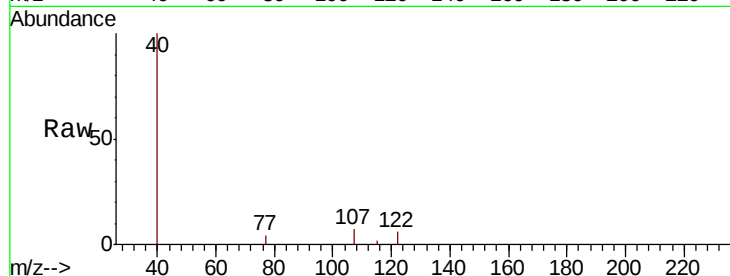




#32
Benzoic acid
Concen: 6.972 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

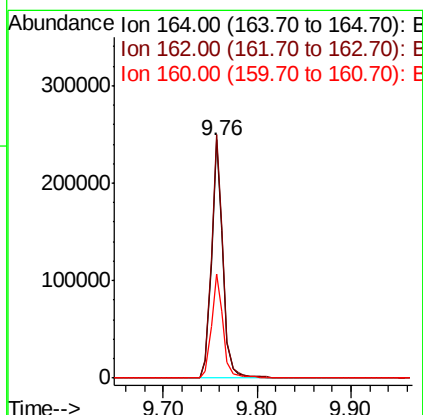
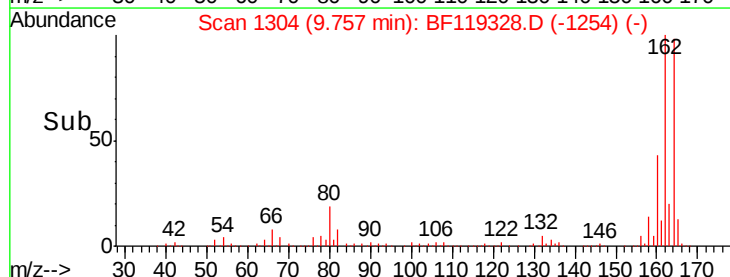
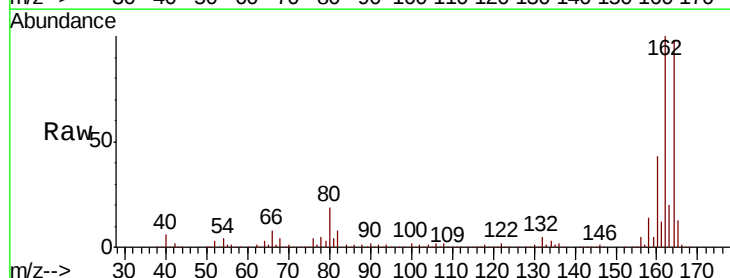
Instrument :
BNA_F
ClientSampleId :

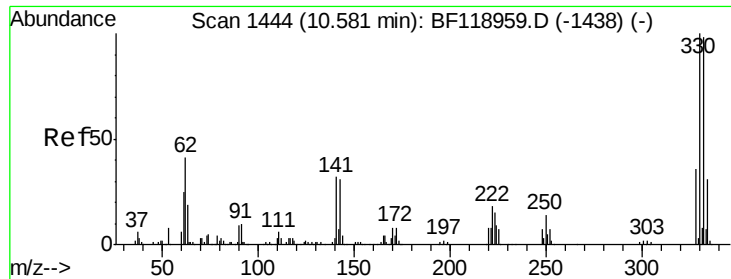
Tot Ion:122 Resp: 1496
Ion Ratio Lower Upper
122 100
105 0.0 106.3 146.3#
77 64.2 73.1 113.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion:164 Resp: 210769
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.8
160 43.9 36.0 54.0

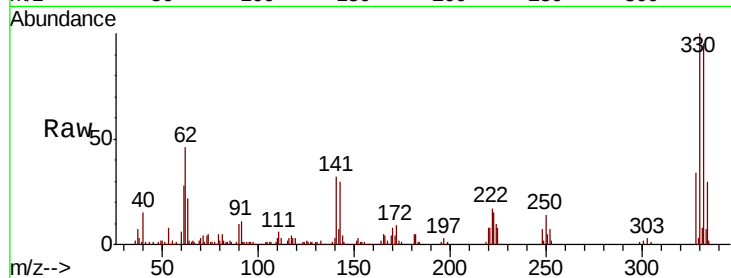




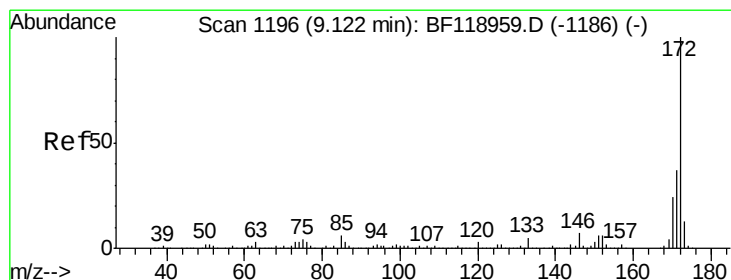
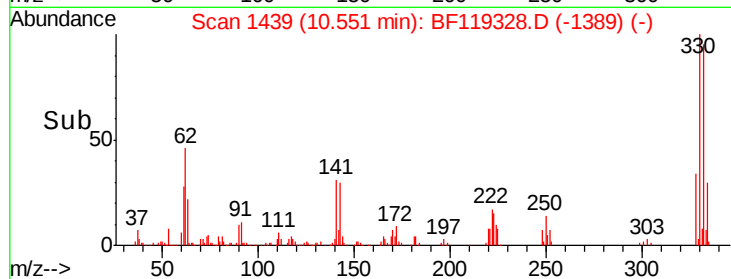
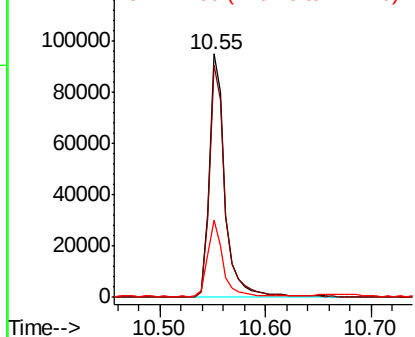
#42
 2,4,6-Tribromophenol
 Concen: 35.971 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119328.D
 Acq: 10 Mar 2020 20:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 99180
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.0 114.0
 141 32.7 22.9 34.3

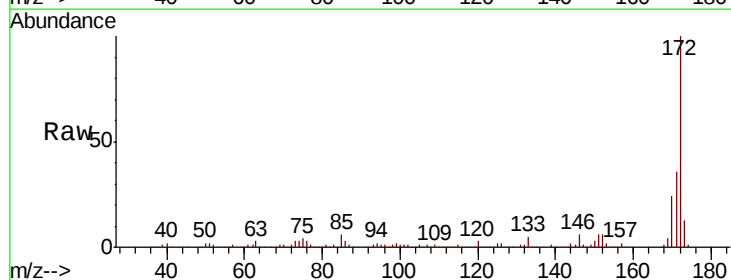


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

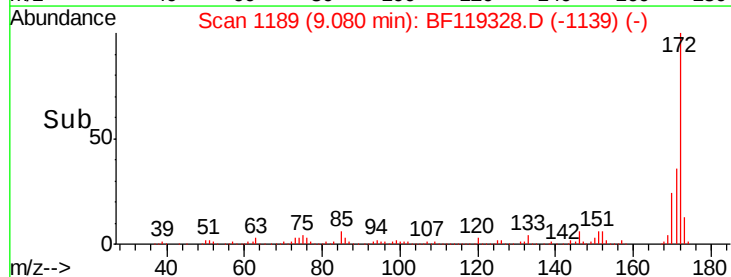
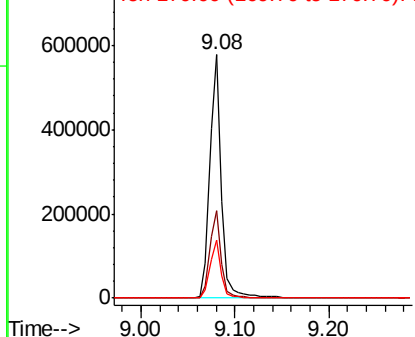


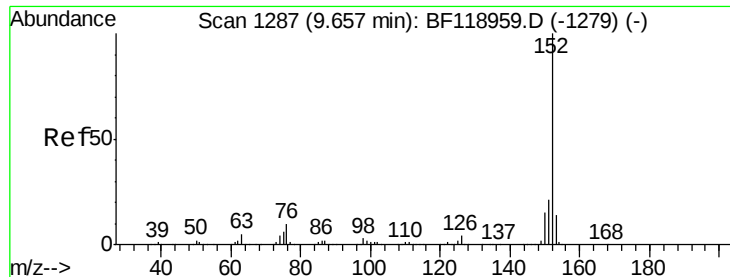
#45
 2-Fluorobiphenyl
 Concen: 35.287 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119328.D
 Acq: 10 Mar 2020 20:51

Tgt Ion:172 Resp: 504861
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.6 45.8
 170 23.7 20.2 30.2



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





#49

Acenaphthylene

Concen: 2.765 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Instrument :

BNA_F

ClientSampleId :

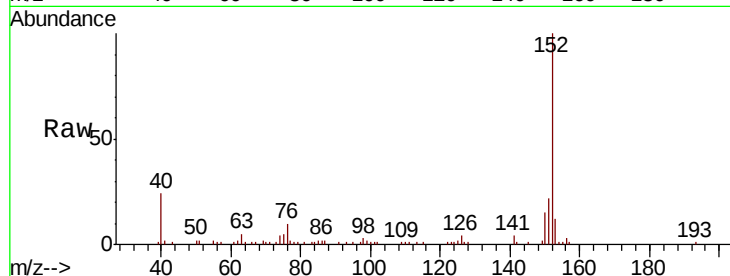
Tot Ion:152 Resp: 54812

Ion Ratio Lower Upper

152 100

151 21.6 16.9 25.3

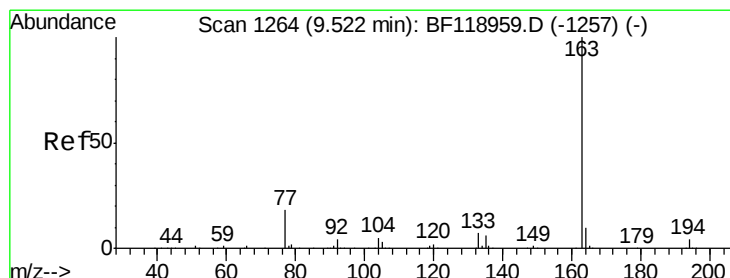
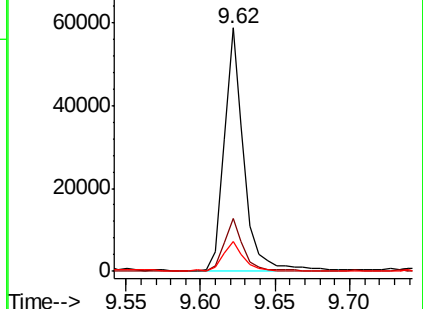
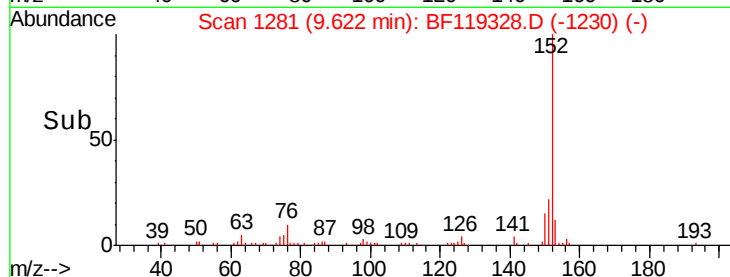
153 12.2 11.0 16.6



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: 5.386 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

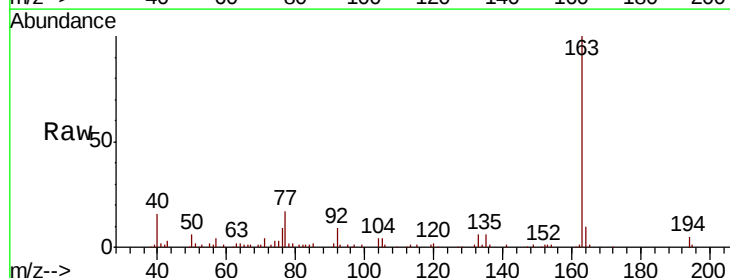
Tgt Ion:163 Resp: 86799

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

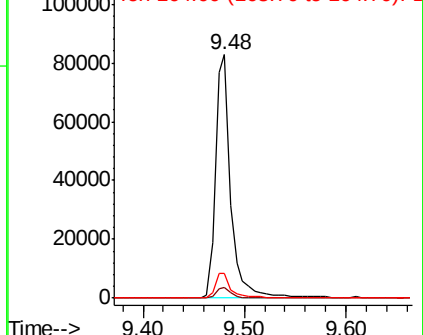
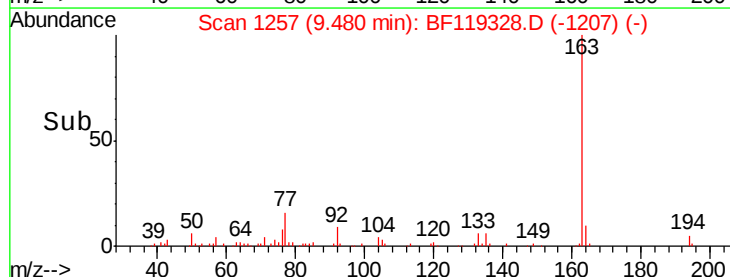
164 10.3 8.4 12.6

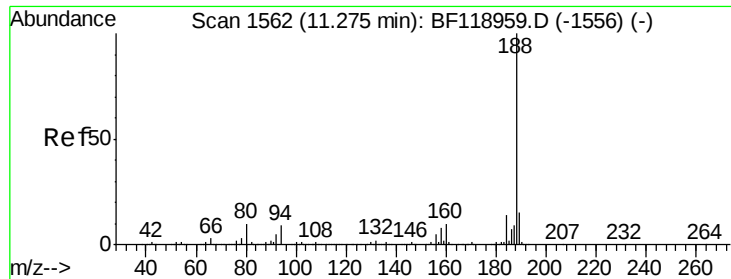


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

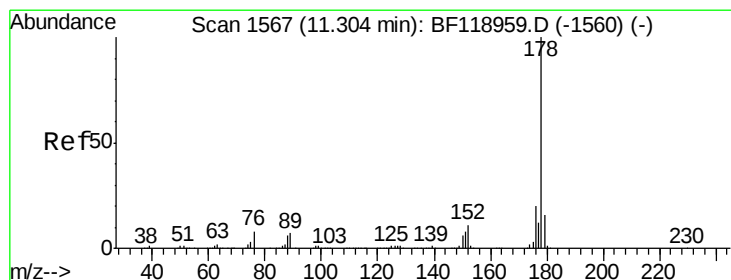
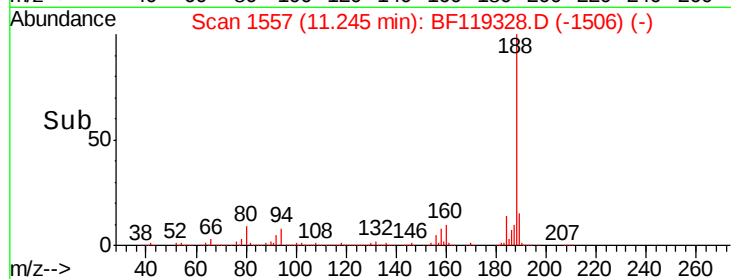
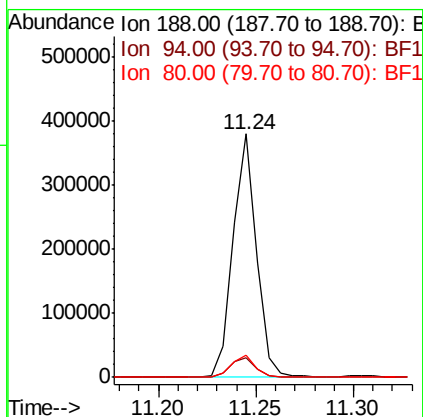
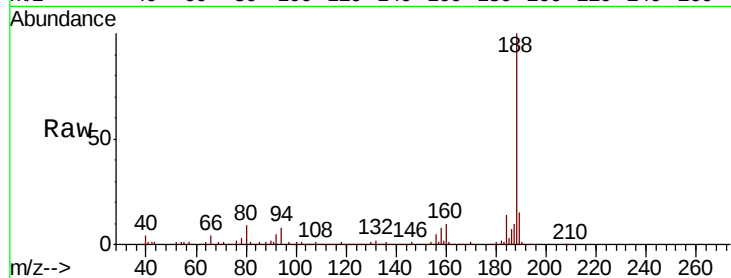




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

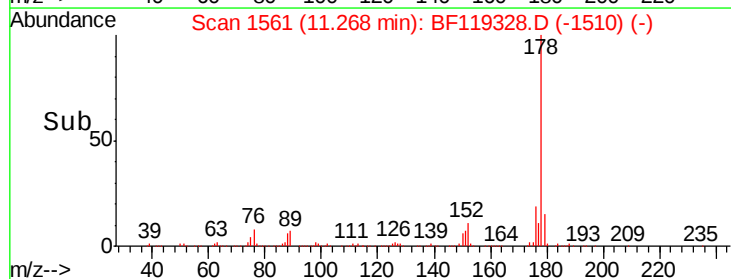
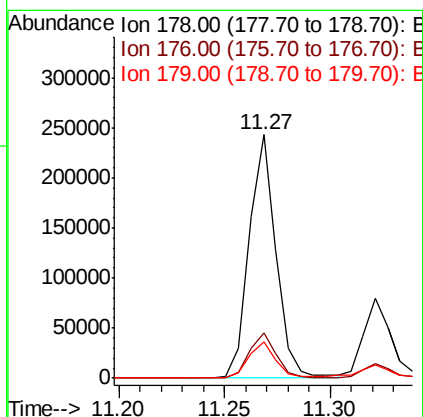
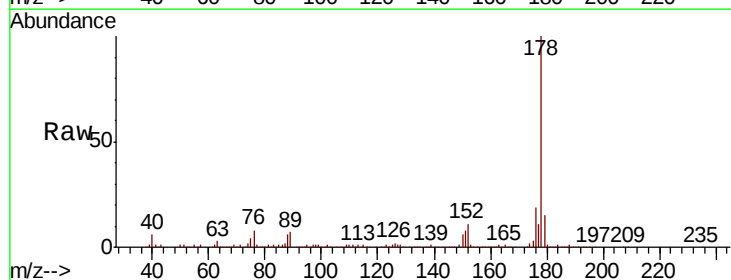
Instrument :
BNA_F
ClientSampleId :

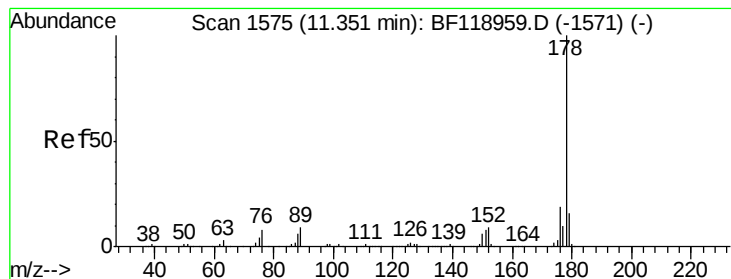
Tot Ion:188 Resp: 316303
Ion Ratio Lower Upper
188 100
94 7.9 7.1 10.7
80 9.1 7.8 11.8



#71
Phenanthrene
Concen: 12.405 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion:178 Resp: 213982
Ion Ratio Lower Upper
178 100
176 18.7 16.5 24.7
179 15.1 13.0 19.6





#72

Anthracene

Concen: 4.168 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Instrument :

BNA_F

ClientSampleId :

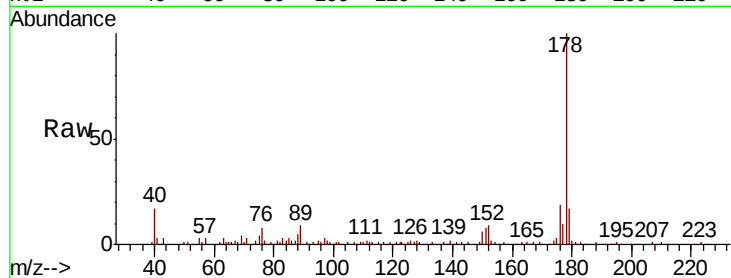
Tot Ion:178 Resp: 71837

Ion Ratio Lower Upper

178 100

176 18.9 16.0 24.0

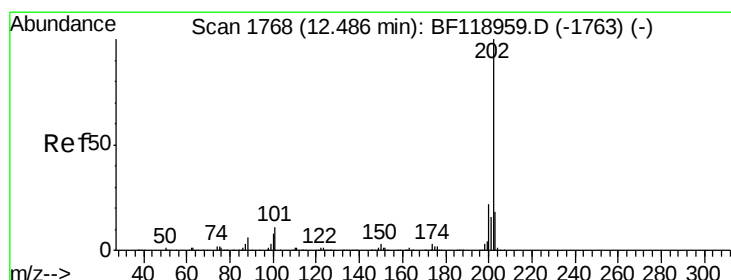
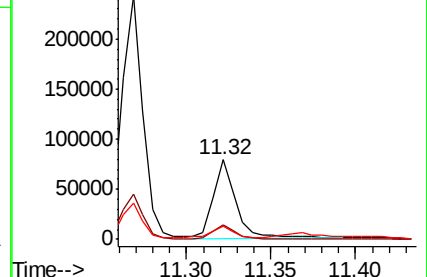
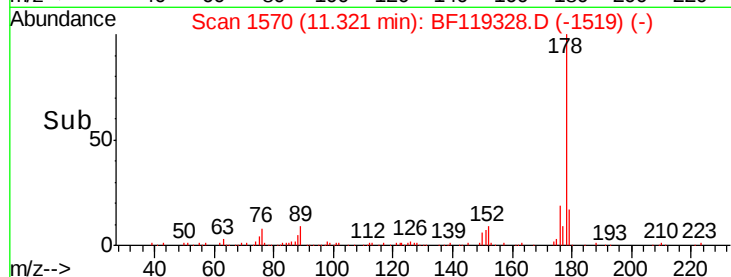
179 17.3 13.1 19.7



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: 18.151 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

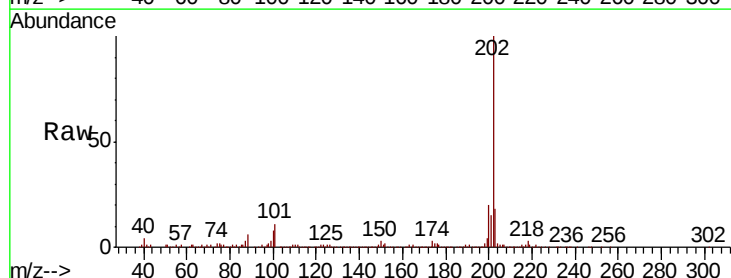
Tgt Ion:202 Resp: 332343

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.3

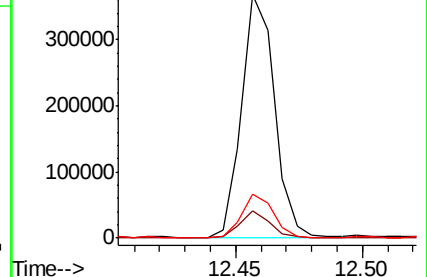
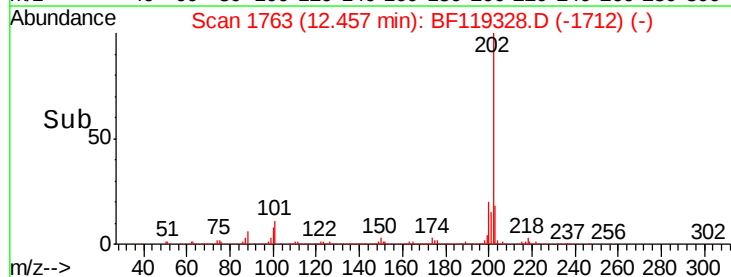
203 18.3 0.0 38.4

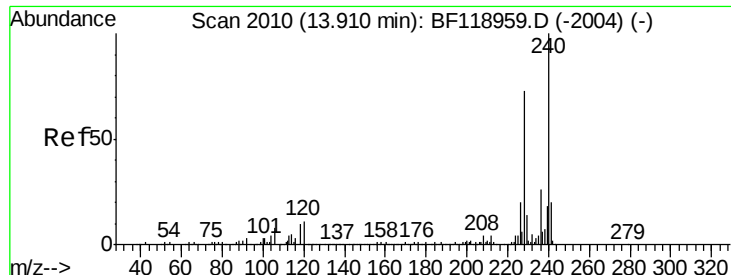


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Instrument :

BNA_F

ClientSampleId :

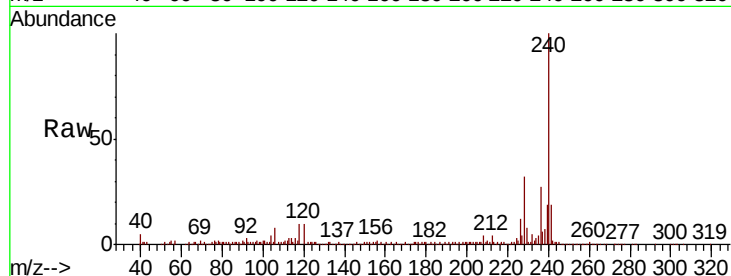
Tot Ion:240 Resp: 251558

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

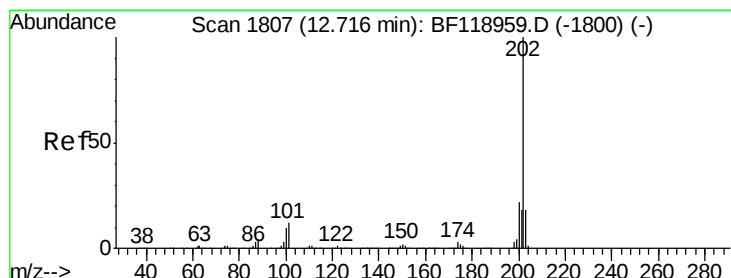
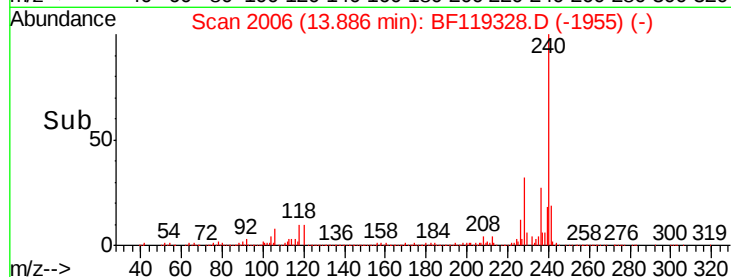
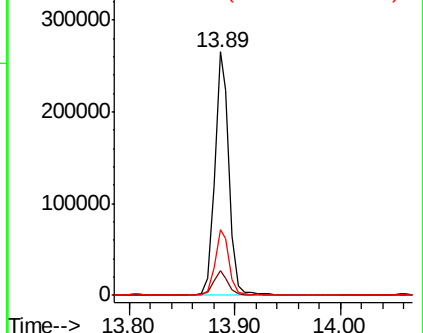
236 26.9 21.0 31.4



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: 18.079 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

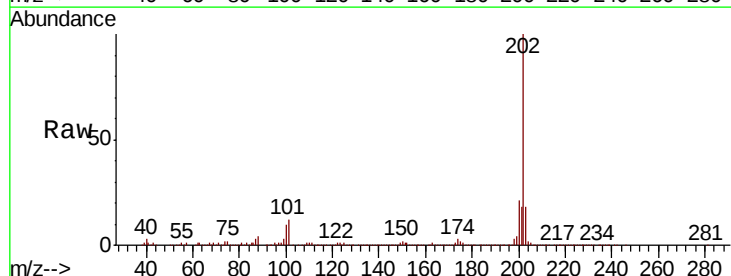
Tgt Ion:202 Resp: 365199

Ion Ratio Lower Upper

202 100

200 21.1 18.0 27.0

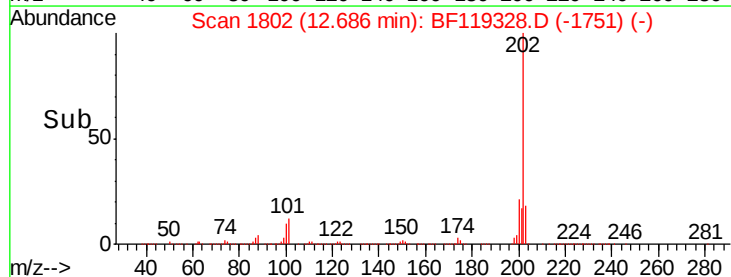
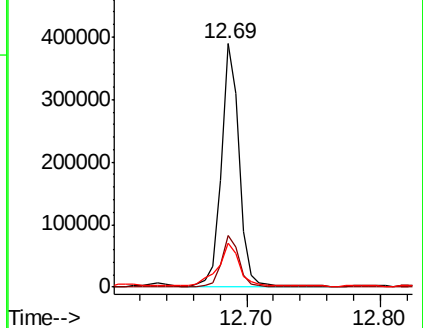
203 18.1 14.6 22.0

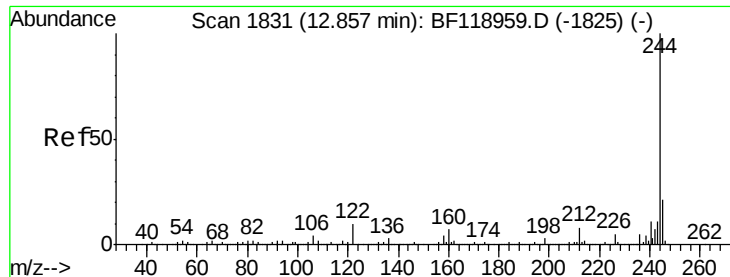


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 29.524 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Instrument :

BNA_F

ClientSampleId :

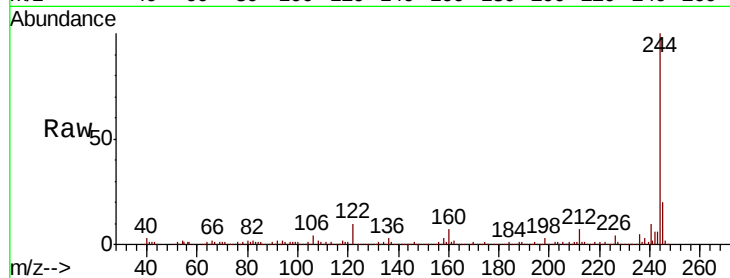
Tot Ion:244 Resp: 431383

Ion Ratio Lower Upper

244 100

212 7.3 6.6 10.0

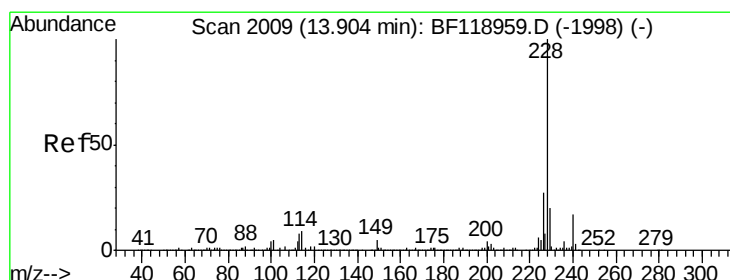
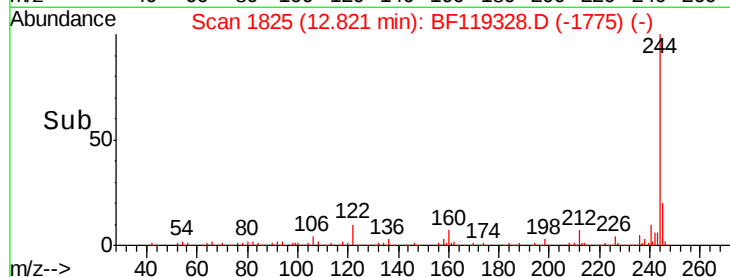
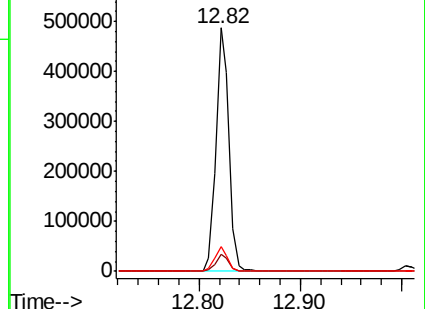
122 10.3 8.2 12.2



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: 12.765 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

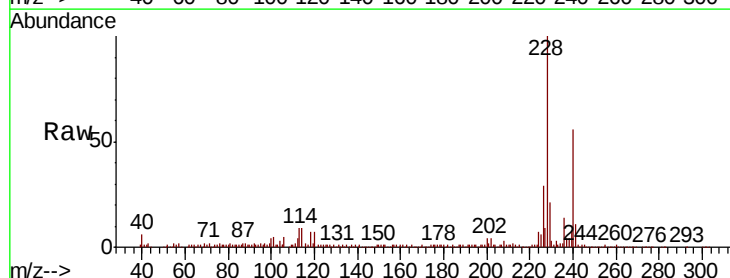
Tgt Ion:228 Resp: 218788

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

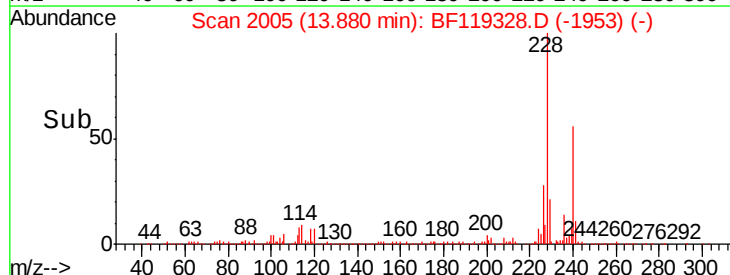
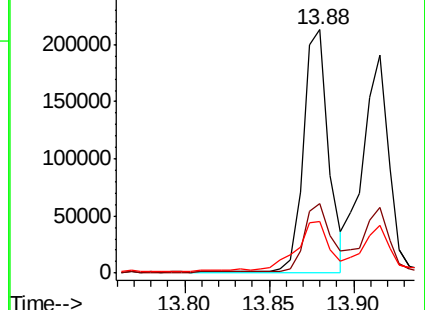
229 21.5 16.6 24.8

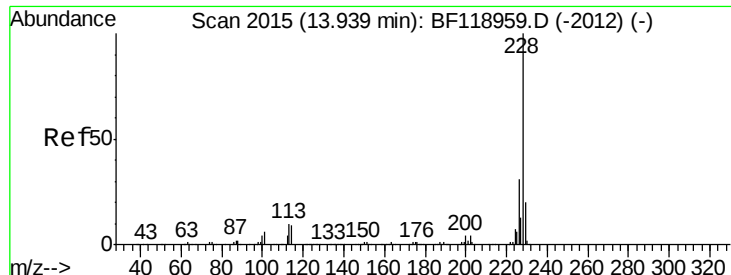


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

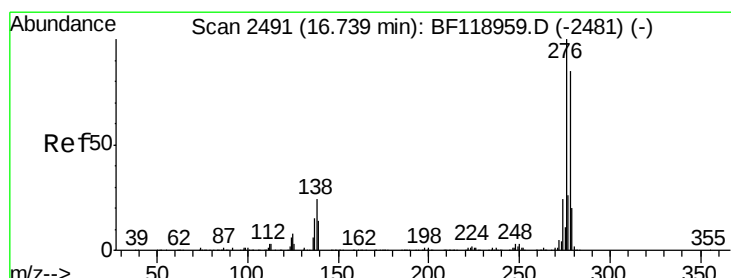
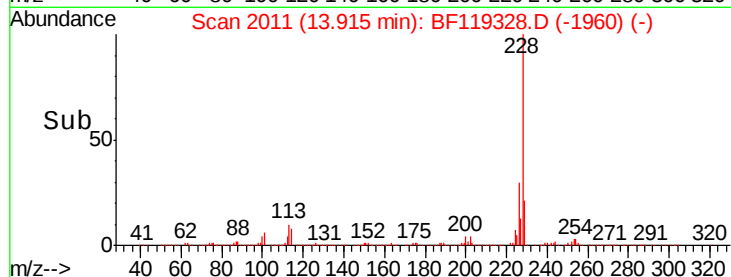
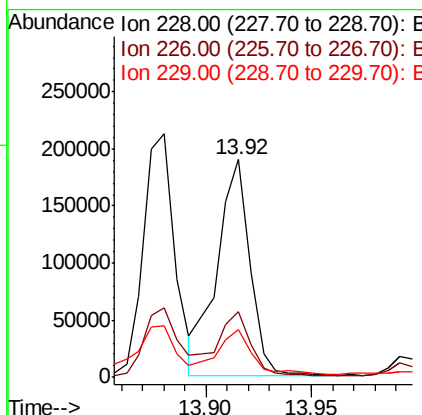
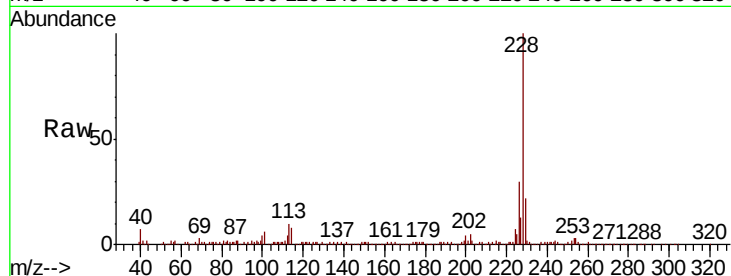




#83
Chrysene
Concen: 11.865 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

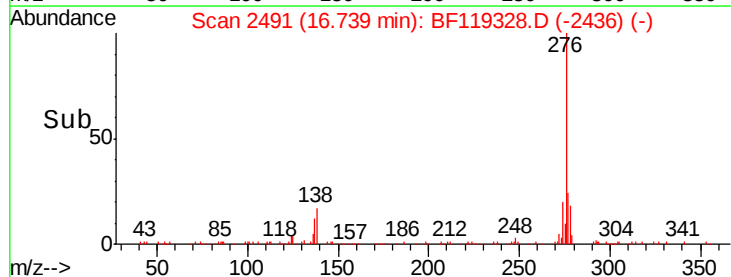
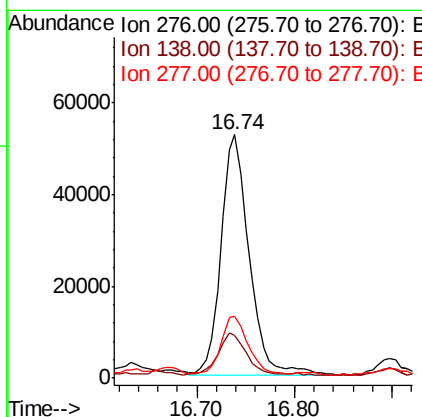
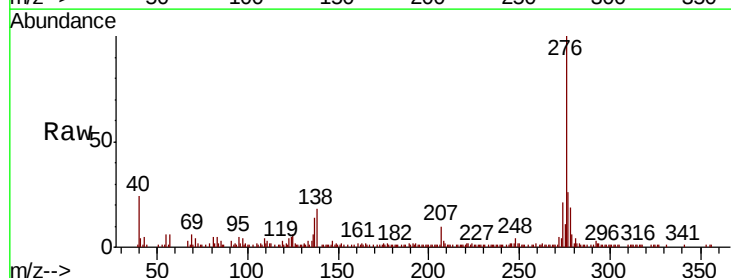
Instrument :
BNA_F
ClientSampleId :

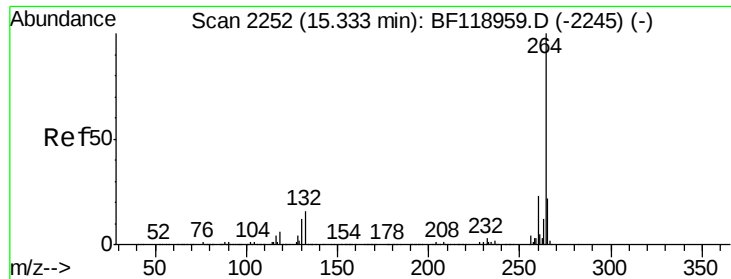
Tot Ion:228 Resp: 202642
Ion Ratio Lower Upper
228 100
226 30.0 25.1 37.7
229 22.1 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.297 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.02 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion:276 Resp: 104140
Ion Ratio Lower Upper
276 100
138 17.1 17.4 26.0#
277 23.1 20.3 30.5

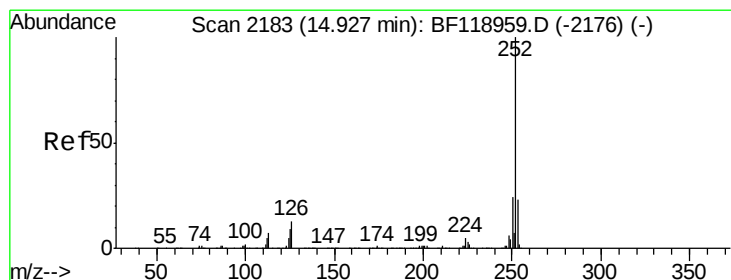
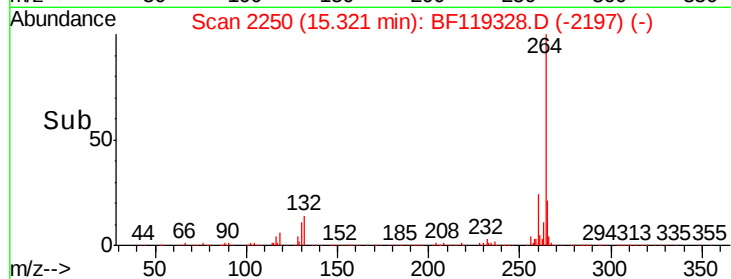
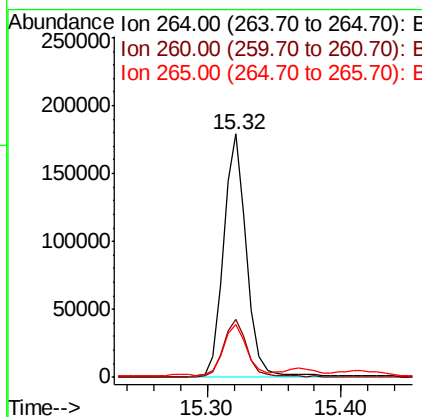
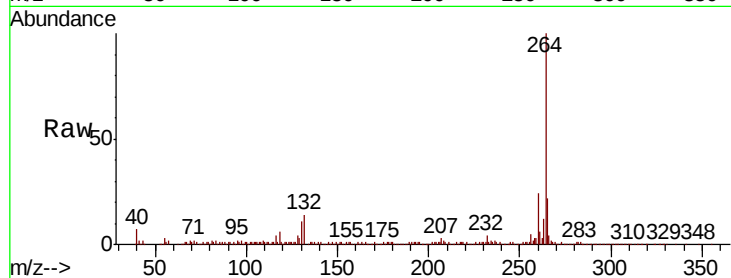




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

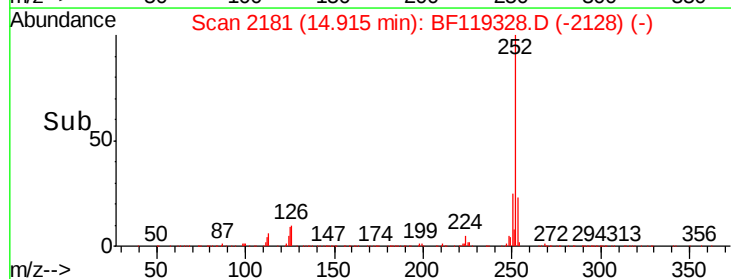
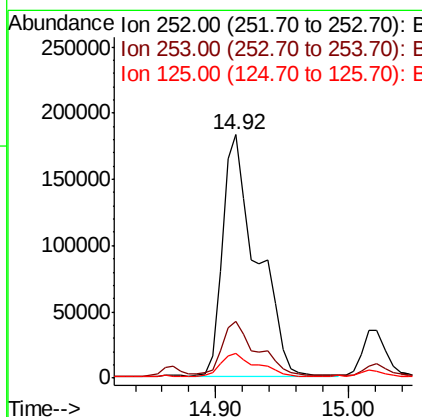
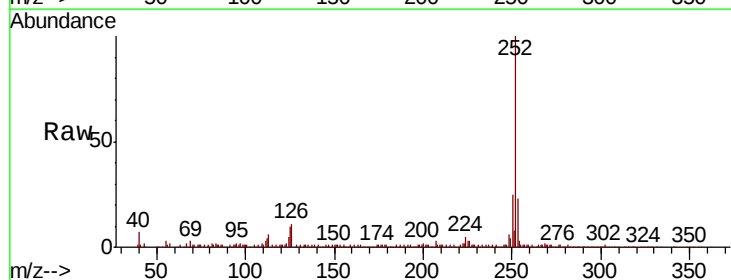
Instrument :
BNA_F
ClientSampled :

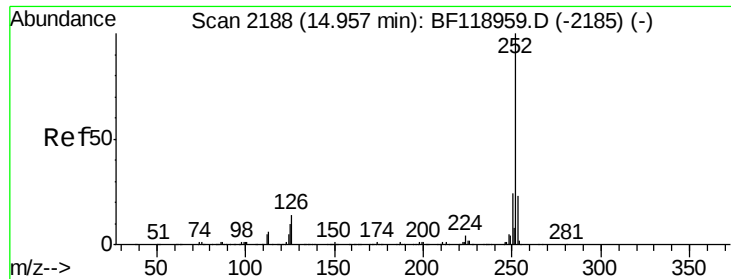
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.7	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 23.067 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	10.1	7.4	11.0

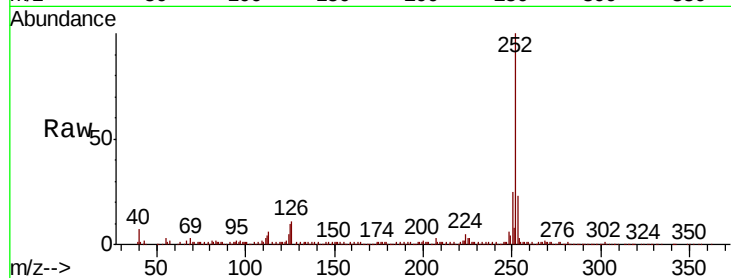




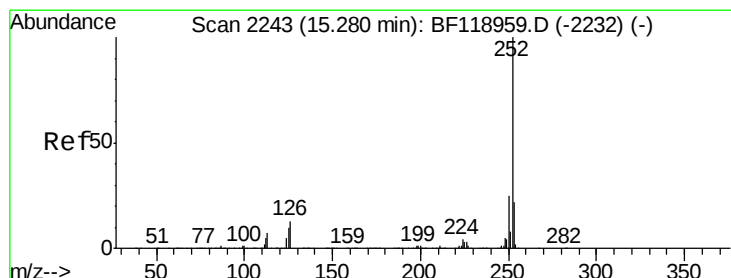
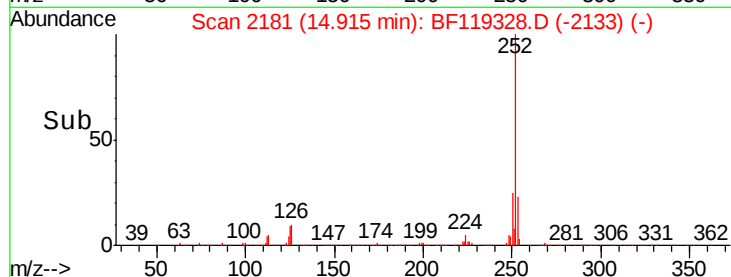
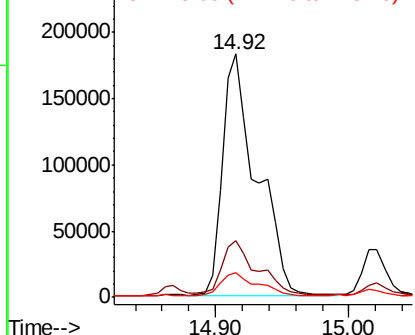
#89
Benzo(k)fluoranthene
Concen: 24.891 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	10.1	7.5	11.3

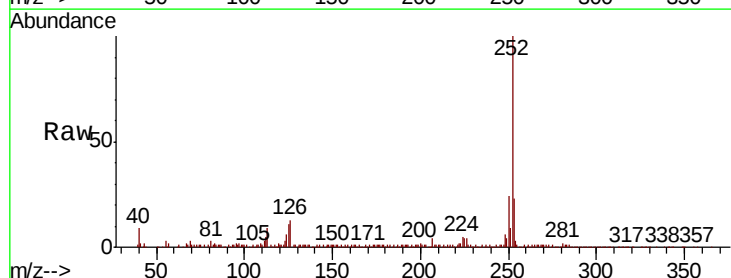


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

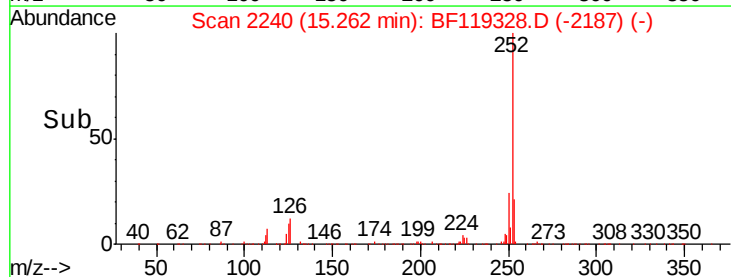
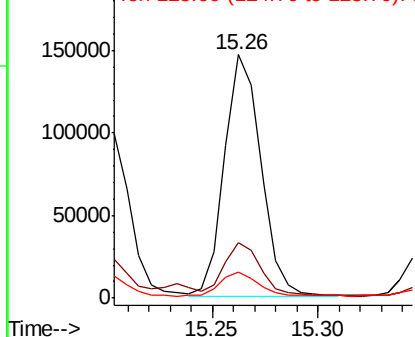


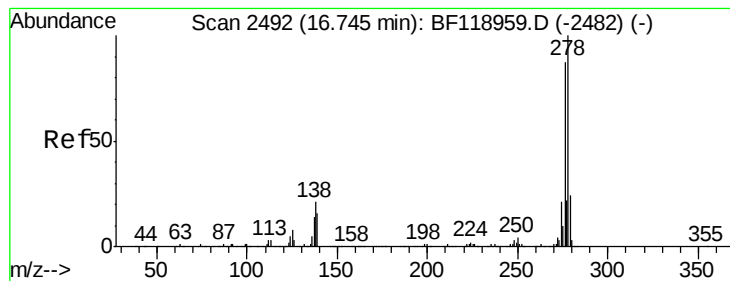
#90
Benzo(a)pyrene
Concen: 13.845 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119328.D
Acq: 10 Mar 2020 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.6	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





#91

Dibenzo(a,h)anthracene

Concen: 2.182 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.02 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

Instrument :

BNA_F

ClientSampleId :

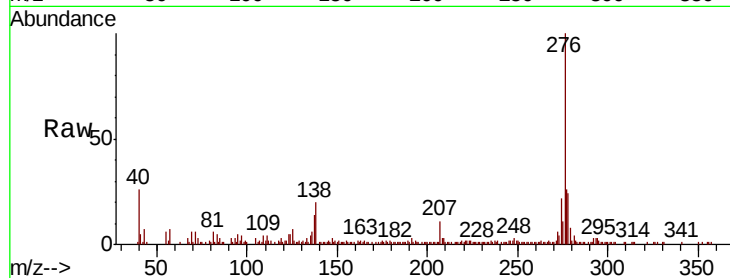
Tot Ion:278 Resp: 24449

Ion Ratio Lower Upper

278 100

139 0.0 11.0 16.4#

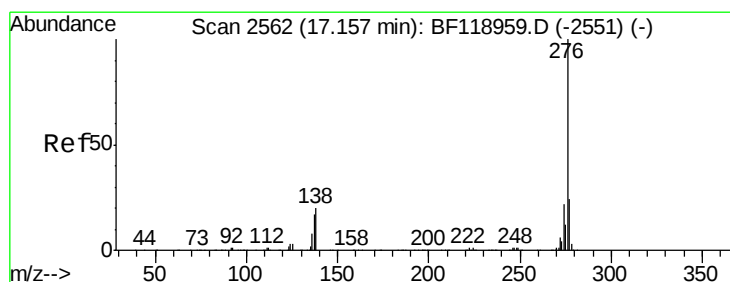
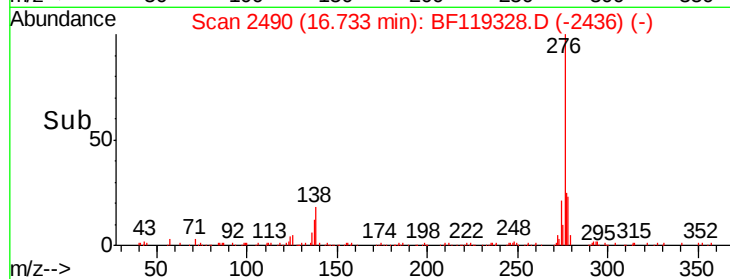
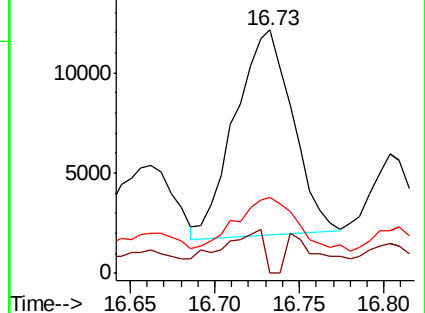
279 31.2 18.6 28.0#



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: 8.671 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.03 min

Lab File: BF119328.D

Acq: 10 Mar 2020 20:51

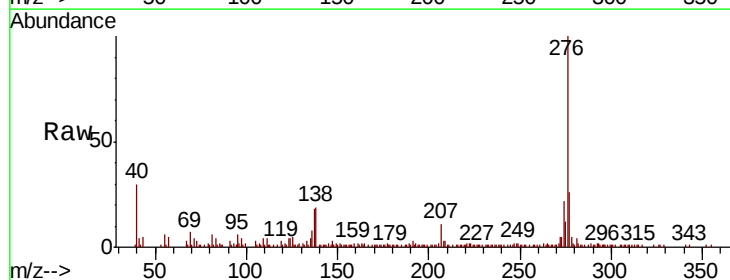
Tgt Ion:276 Resp: 96018

Ion Ratio Lower Upper

276 100

277 26.1 18.7 28.1

138 18.6 14.3 21.5



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

