

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
 Data File : BF120270.D
 Acq On : 1 May 2020 20:45
 Operator : MA/SJ
 Sample : L2463-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:10:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 15:26:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	138261	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	498560	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	190938	20.00	ng	-0.01
64) Phenanthrene-d10	11.17	188	346879	20.00	ng	0.00
76) Chrysene-d12	13.82	240	266032	20.00	ng	-0.01
87) Perylene-d12	15.22	264	348450	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	696481	87.06	ng	0.00
7) Phenol-d6	6.30	99	852412	82.69	ng	-0.01
23) Nitrobenzene-d5	7.22	82	533371	55.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.48	330	174906	74.82	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1123209	83.52	ng	0.00
79) Terphenyl-d14	12.76	244	865748	54.76	ng	-0.01

Target Compounds

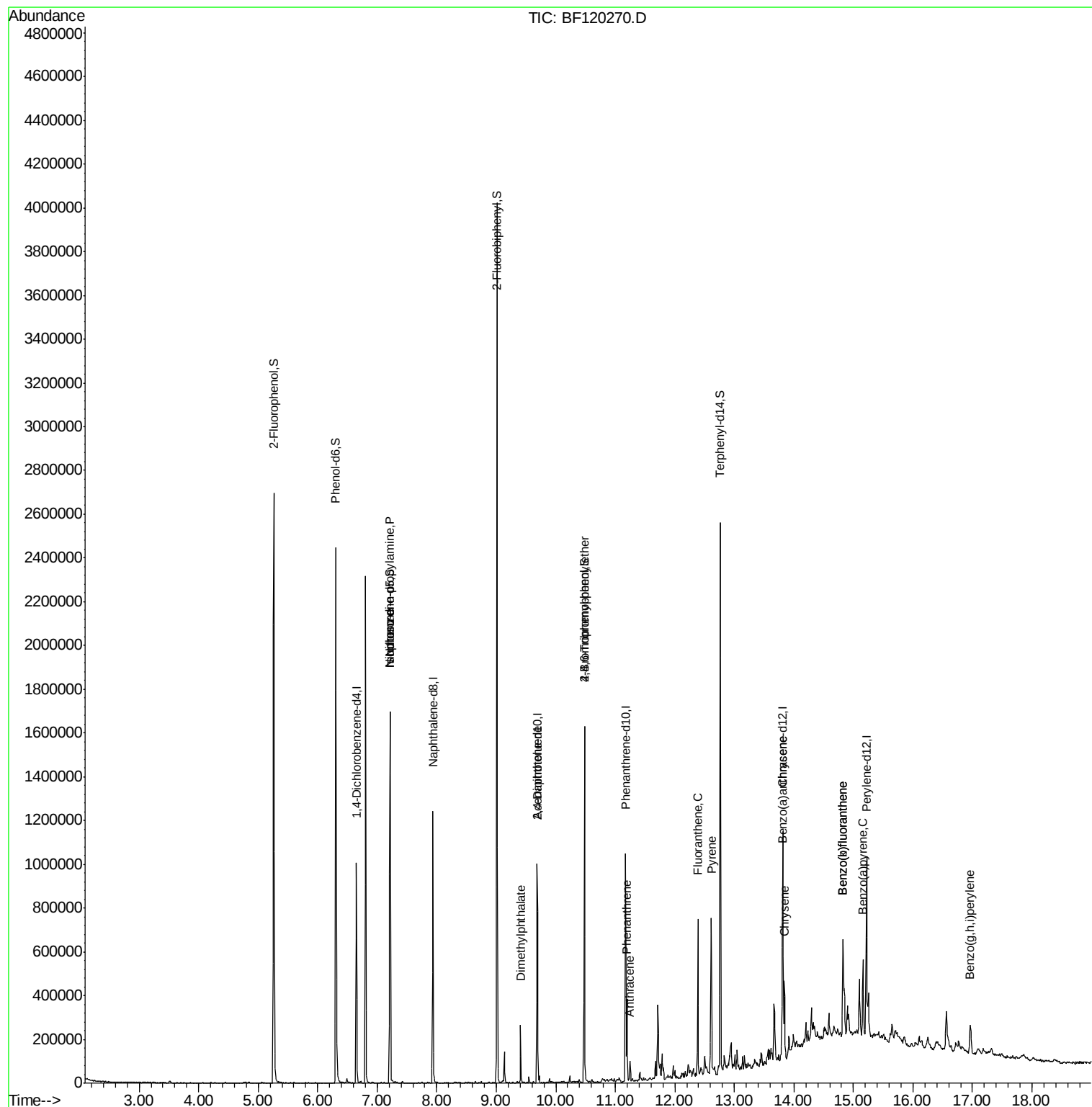
						Qvalue
9) Benzaldehyde	6.30	77	1331	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	67717	10.215	ng	# 76
25) Isophorone	7.22	82	533366	28.710	ng	# 65
50) Dimethylphthalate	9.41	163	91902	6.223	ng	99
57) 2,4-Dinitrotoluene	9.69	165	24703	5.797	ng	# 19
67) 4-Bromophenyl-phenylether	10.48	248	11175	2.591	ng	# 1
71) Phenanthrene	11.20	178	139703	7.567	ng	96
72) Anthracene	11.25	178	37741	2.001	ng	97
75) Fluoranthene	12.39	202	261821	13.144	ng	97
78) Pyrene	12.62	202	285517	12.731	ng	97
81) Benzo(a)anthracene	13.80	228	154395	8.822	ng	98
83) Chrysene	13.84	228	137205	7.716	ng	98
88) Benzo(b)fluoranthene	14.82	252	305890	12.203	ng	99
89) Benzo(k)fluoranthene	14.82	252	305890	14.143	ng	100
90) Benzo(a)pyrene	15.16	252	169735	8.053	ng	99
92) Benzo(g,h,i)perylene	16.97	276	104280	5.659	ng	97

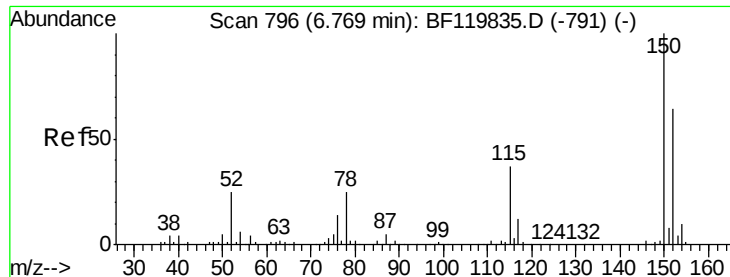
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050120\
Data File : BF120270.D
Acq On : 1 May 2020 20:45
Operator : MA/SJ
Sample : L2463-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 02 01:10:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 01 15:26:36 2020
Response via : Initial Calibration



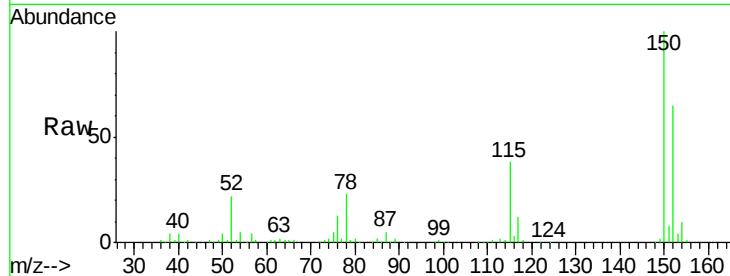


#1

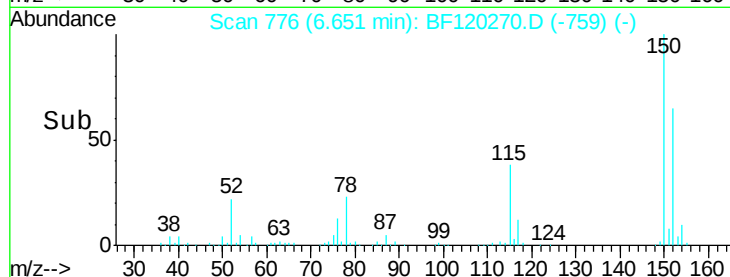
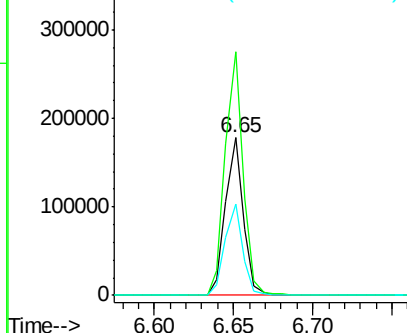
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120270.D
Acq: 1 May 2020 20:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138261
Ion Ratio Lower Upper
152 100
150 154.8 124.5 186.7
115 58.4 49.6 74.4



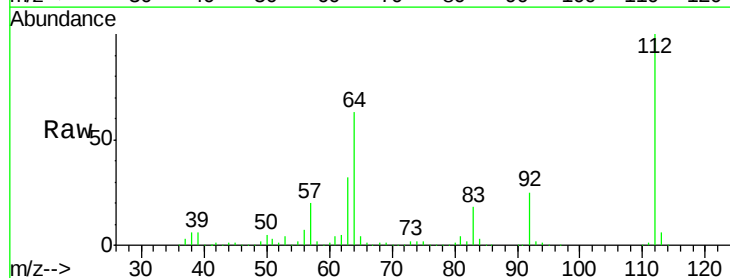
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



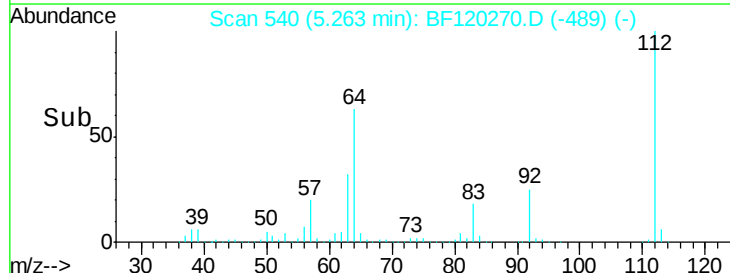
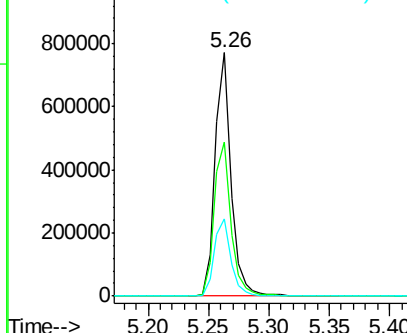
#5

2-Fluorophenol
Concen: 87.056 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF120270.D
Acq: 1 May 2020 20:45

Tgt Ion:112 Resp: 696481
Ion Ratio Lower Upper
112 100
64 63.2 56.7 85.1
63 31.8 29.5 44.3



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: 82.687 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

Instrument :

BNA_F

ClientSampled :

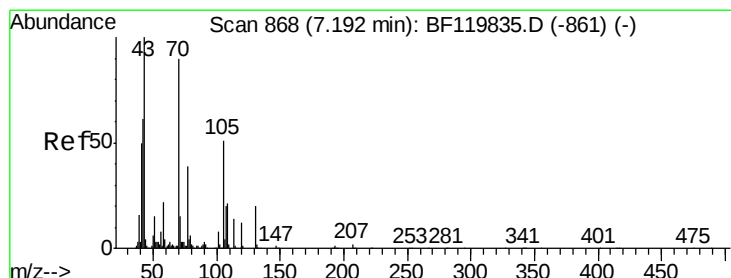
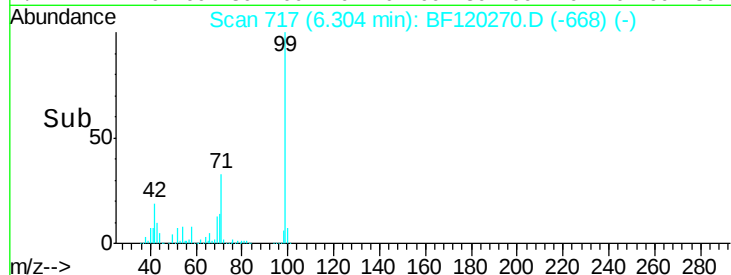
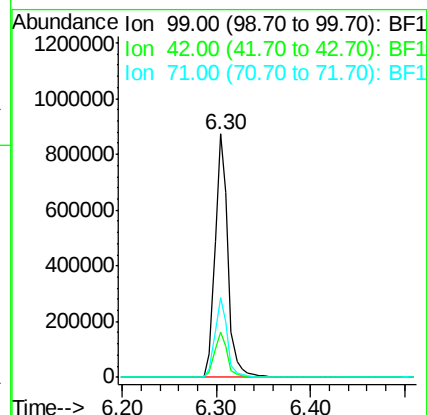
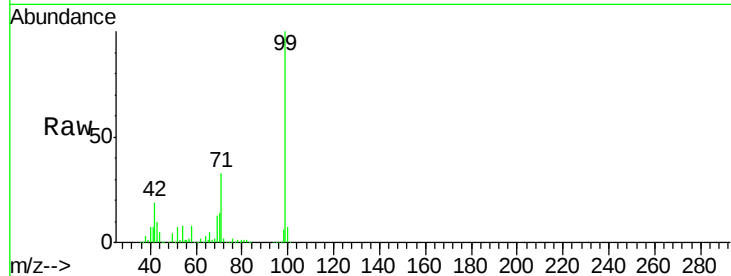
Tot Ion: 99 Resp: 852412

Ion Ratio Lower Upper

99 100

42 18.8 16.6 24.8

71 32.5 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.215 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

Tgt Ion: 70 Resp: 67717

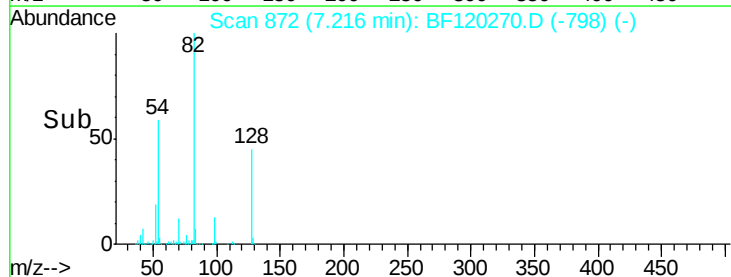
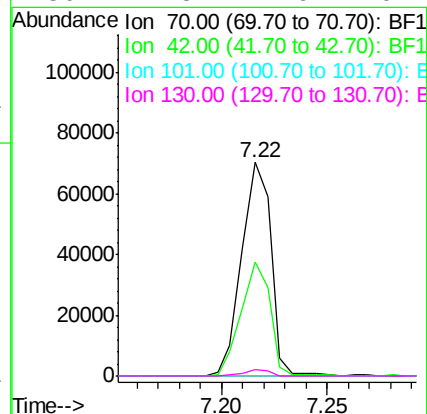
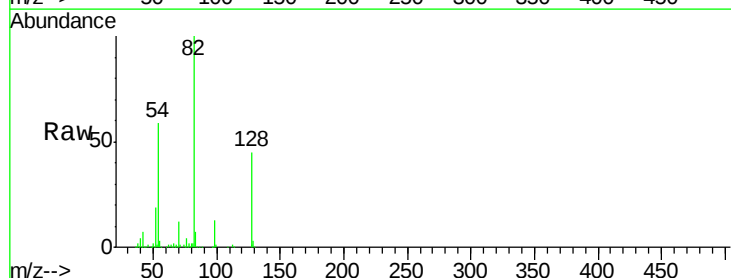
Ion Ratio Lower Upper

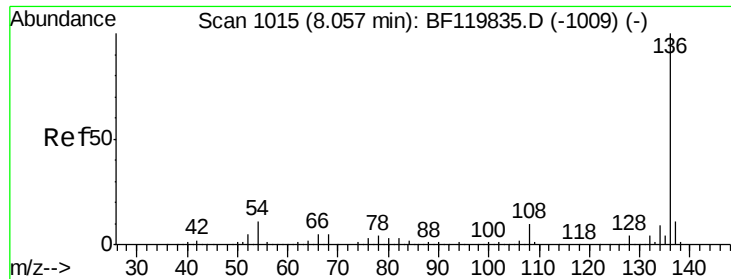
70 100

42 53.5 54.5 81.7#

101 0.0 7.6 11.4#

130 2.8 17.6 26.4#

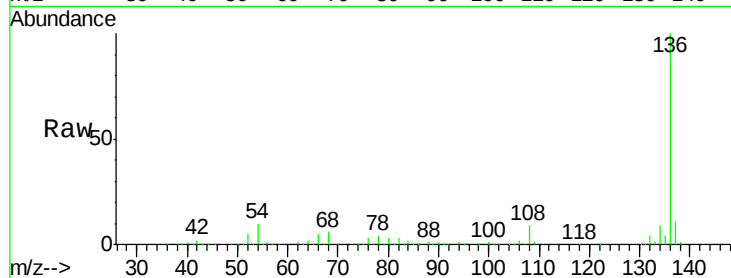




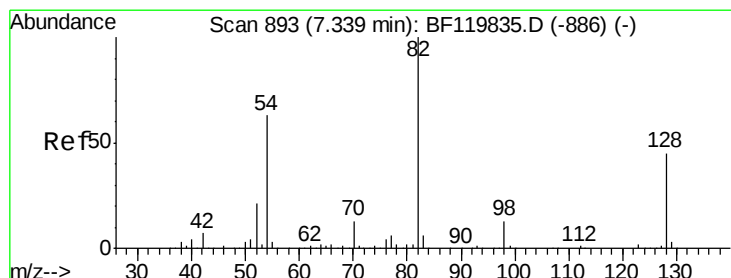
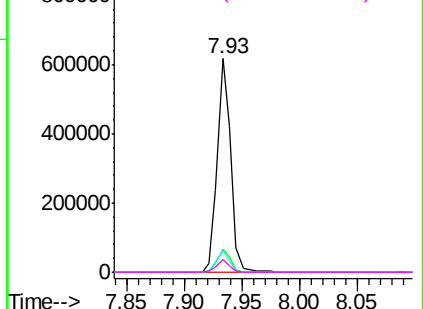
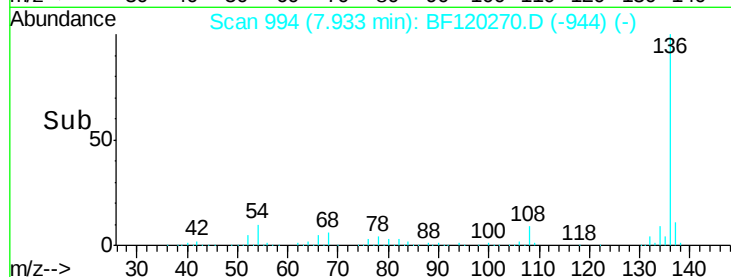
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120270.D
Acq: 1 May 2020 20:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	498560
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.7 13.1
54	10.1	9.1 13.7
68	6.0	4.6 6.8

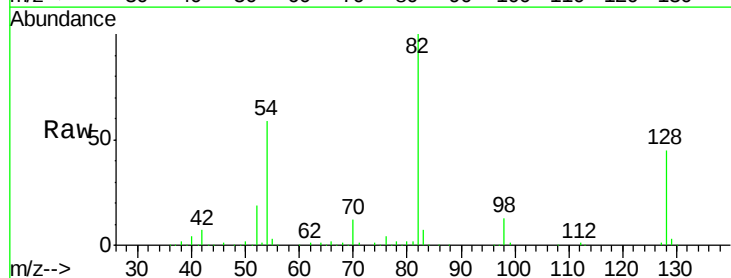


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

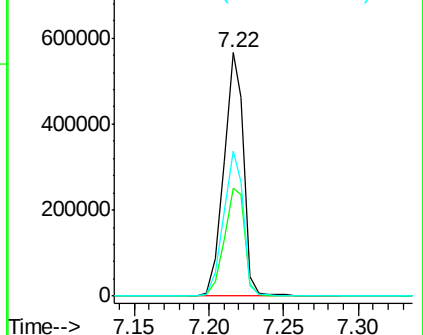
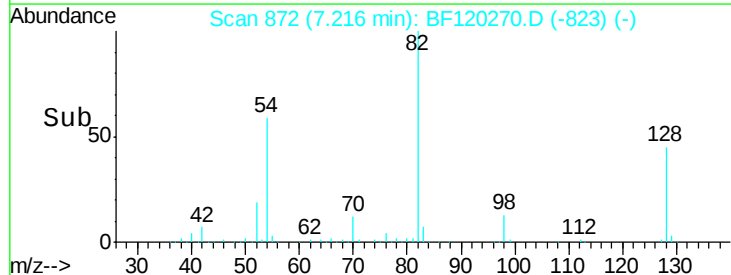


#23
Nitrobenzene-d5
Concen: 55.346 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF120270.D
Acq: 1 May 2020 20:45

Tgt Ion: 82	Resp:	533371
Ion Ratio	Lower	Upper
82	100	
128	44.6	36.3 54.5
54	59.4	50.6 75.8



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: 28.710 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.27 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

Instrument :

BNA_F

ClientSampleId :

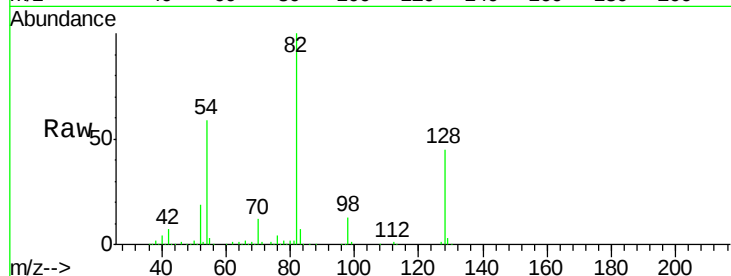
Tot Ion: 82 Resp: 533366

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

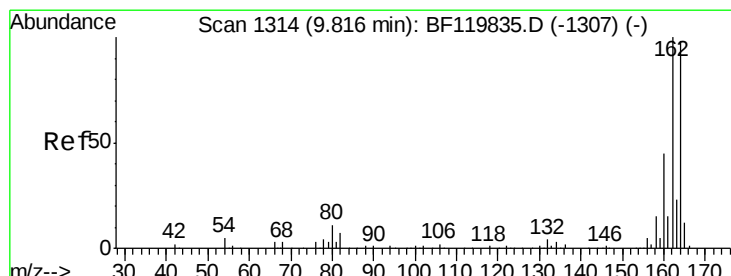
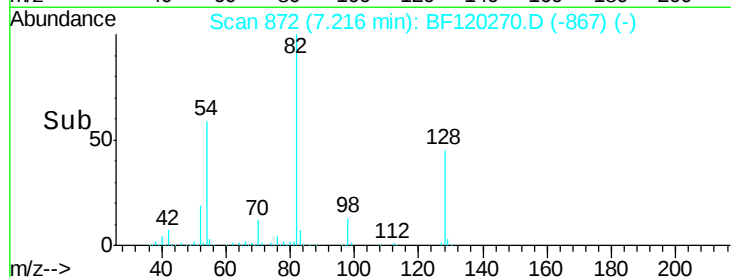
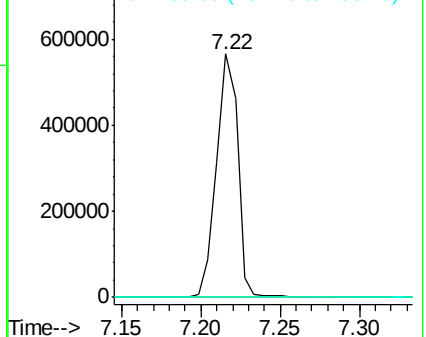
138 0.0 14.6 21.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

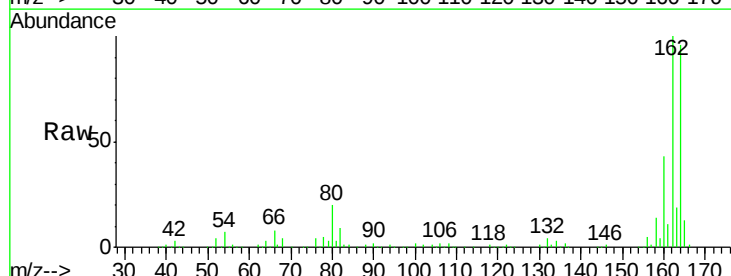
Tgt Ion:164 Resp: 190938

Ion Ratio Lower Upper

164 100

162 104.6 80.6 121.0

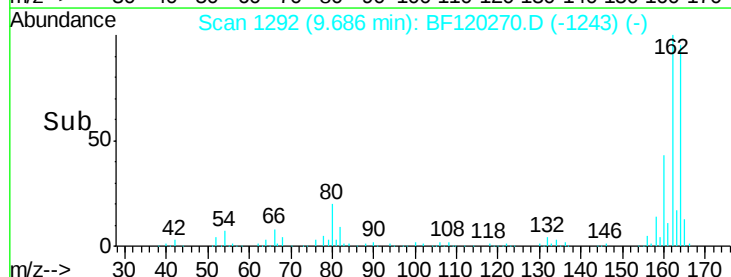
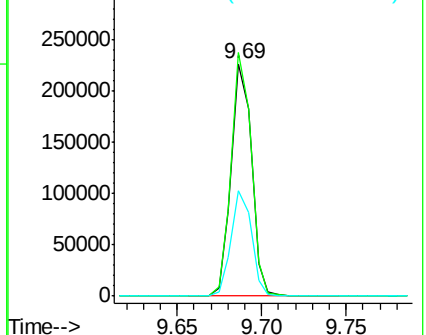
160 45.1 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

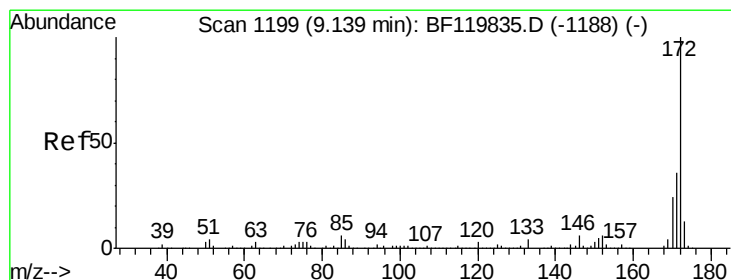
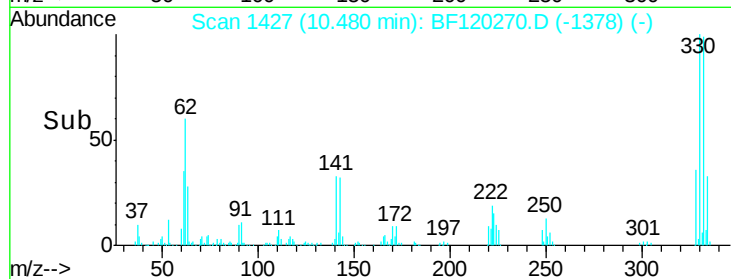
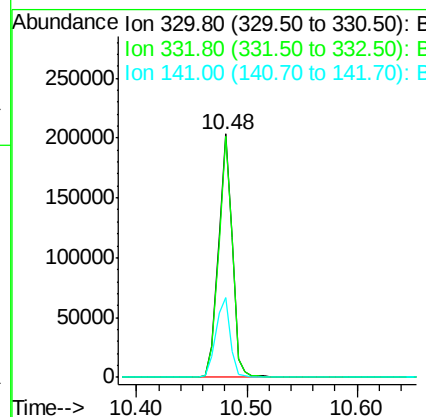
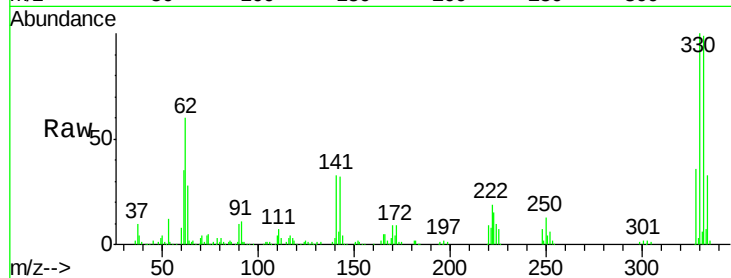




#42
 2,4,6-Tribromophenol
 Concen: 74.819 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF120270.D
 Acq: 1 May 2020 20:45

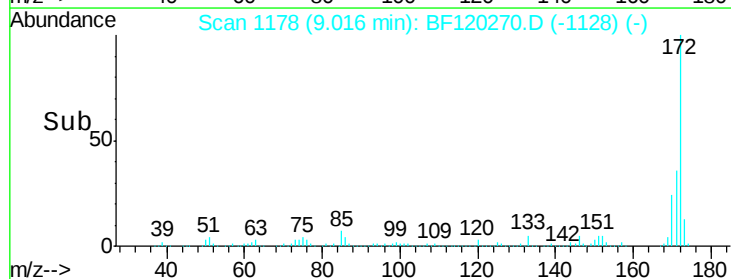
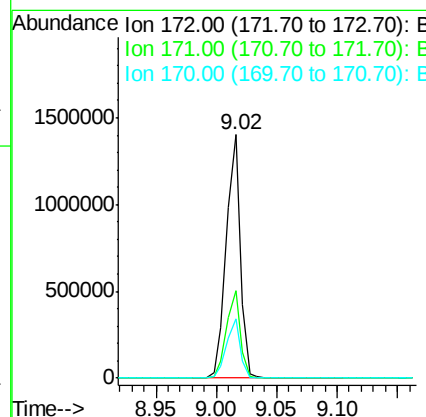
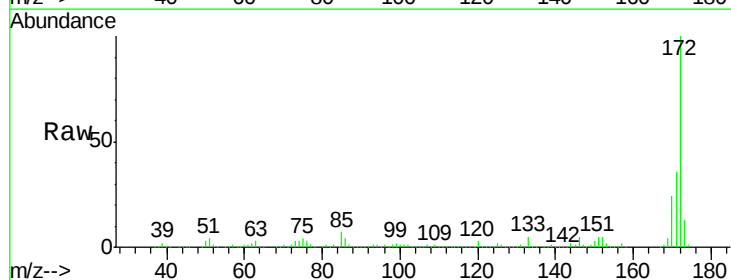
Instrument :
 BNA_F
 ClientSampled :

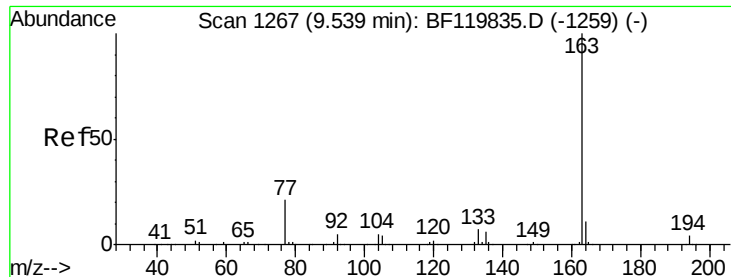
Tot Ion:330 Resp: 174906
 Ion Ratio Lower Upper
 330 100
 332 97.5 75.7 113.5
 141 33.8 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 83.520 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF120270.D
 Acq: 1 May 2020 20:45

Tgt Ion:172 Resp: 1123209
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.3 20.2 30.2

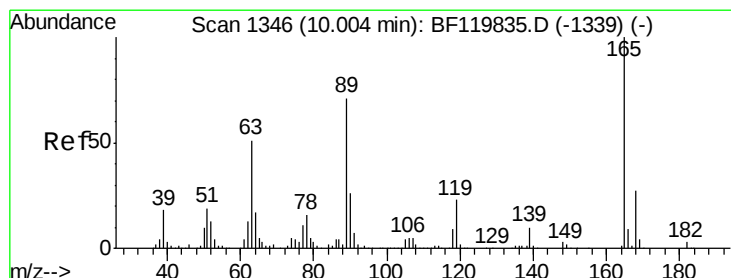
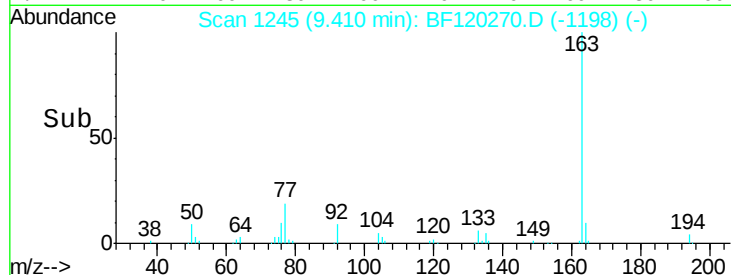
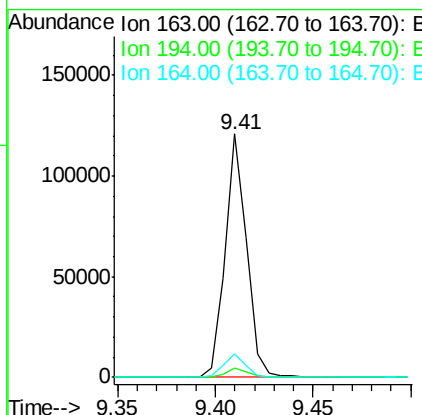
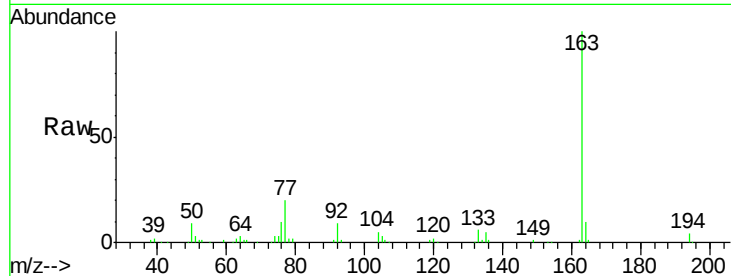




#50
 Dimethylphthalate
 Concen: 6.223 ng
 RT: 9.41 min Scan# 1245
 Delta R.T. -0.02 min
 Lab File: BF120270.D
 Acq: 1 May 2020 20:45

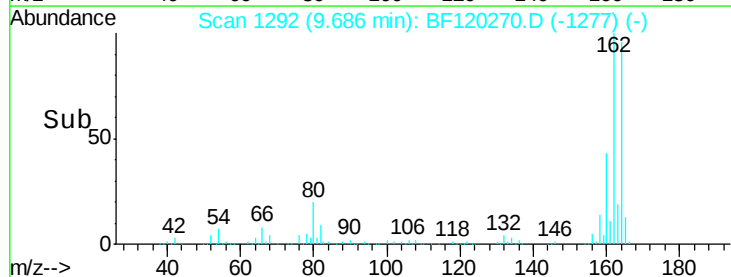
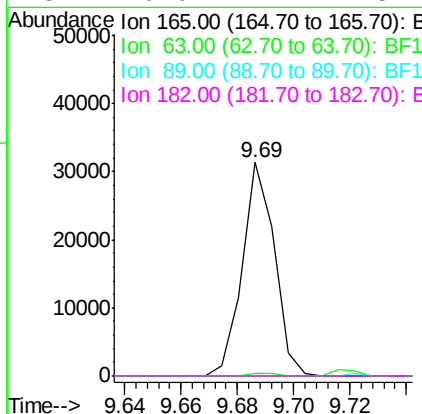
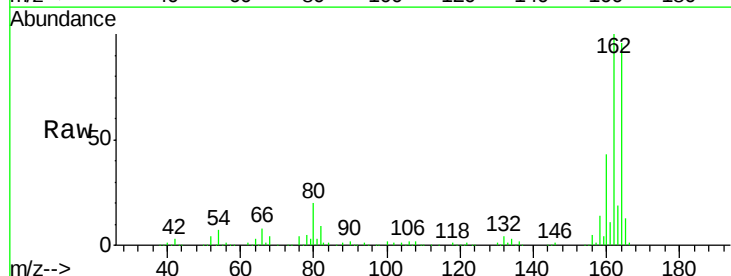
Instrument :
 BNA_F
 ClientSampleId :

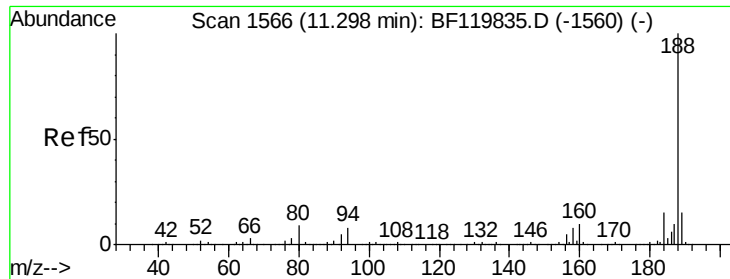
Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.0	3.1	4.7	
164	9.6	8.2	12.2	



#57
 2,4-Dinitrotoluene
 Concen: 5.797 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.21 min
 Lab File: BF120270.D
 Acq: 1 May 2020 20:45

Tgt Ion	Ion	Ratio	Lower	Upper
165	100			
63	1.3	42.6	64.0#	
89	0.0	61.0	91.4#	
182	0.0	2.2	3.2#	

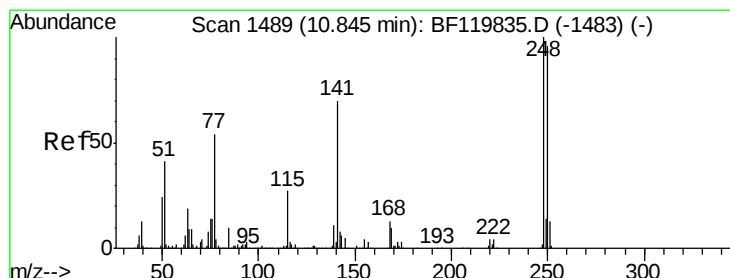
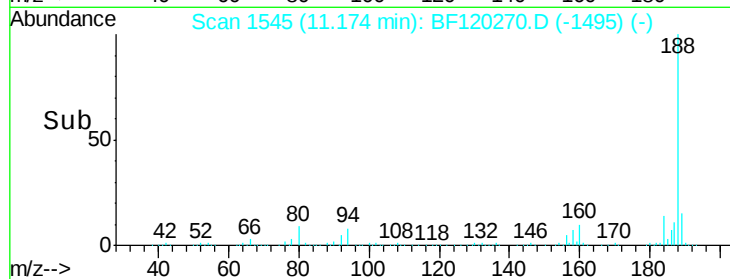
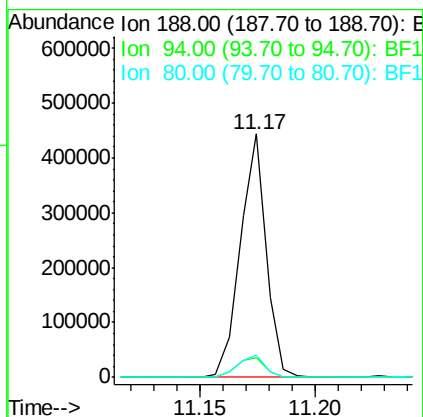
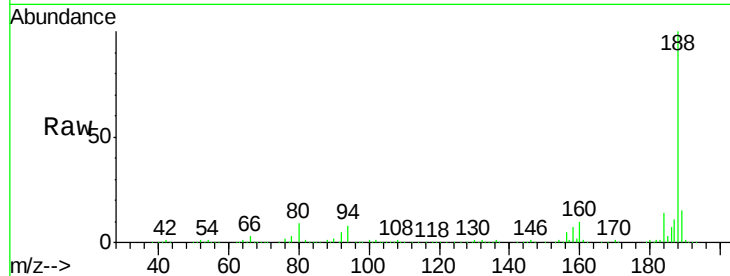




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF120270.D
 Acq: 1 May 2020 20:45

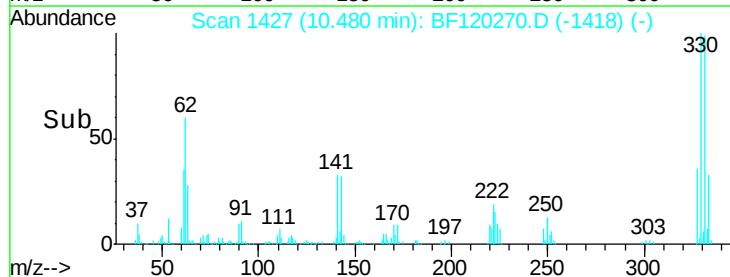
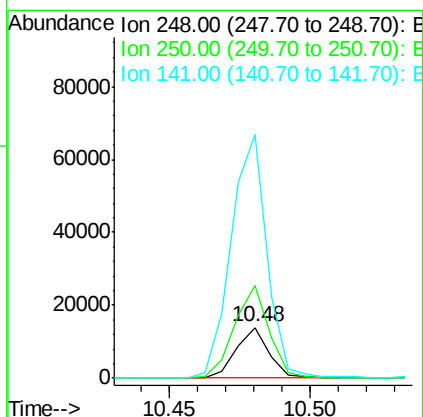
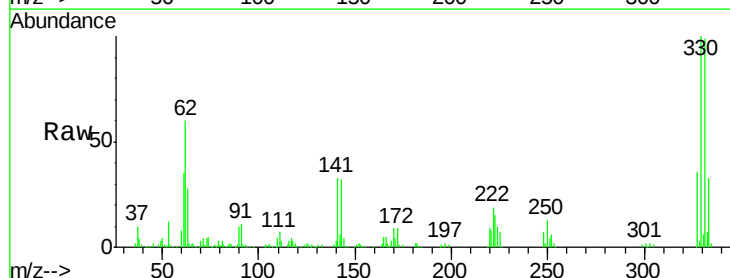
Instrument :
 BNA_F
 ClientSampleId :

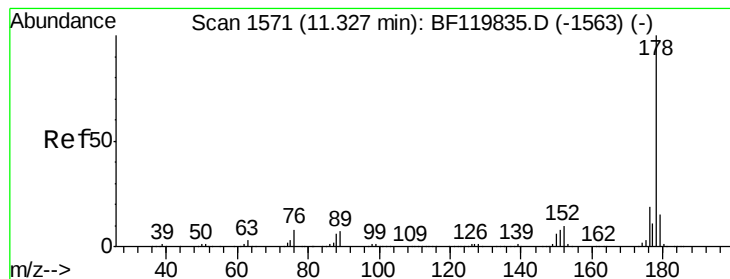
Tot Ion:188 Resp: 346879
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.5 11.3
 80 8.9 9.0 13.4#



#67
 4-Bromophenyl-phenylether
 Concen: 2.591 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF120270.D
 Acq: 1 May 2020 20:45

Tgt Ion:248 Resp: 11175
 Ion Ratio Lower Upper
 248 100
 250 183.8 77.3 115.9#
 141 481.2 58.6 87.8#





#71

Phenanthrene

Concen: 7.567 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

Instrument :

BNA_F

ClientSampleId :

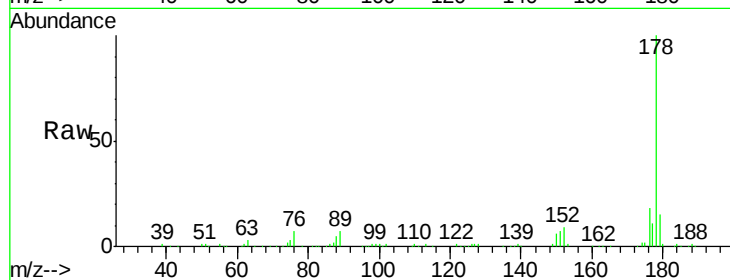
Tot Ion:178 Resp: 139703

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.4

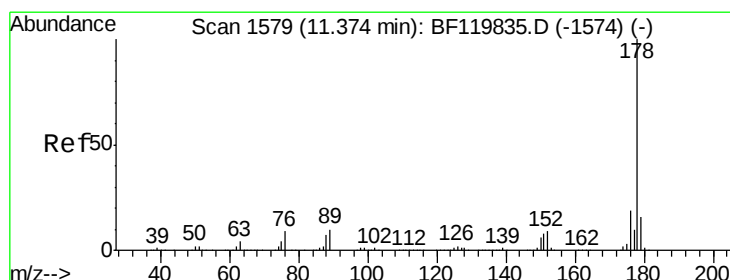
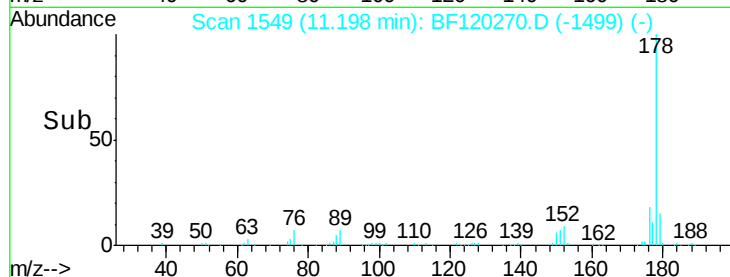
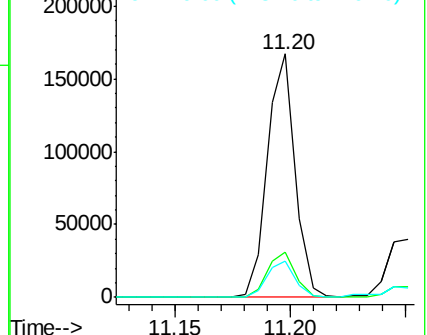
179 15.2 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.001 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

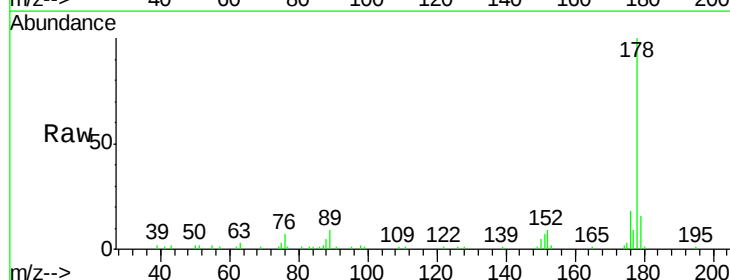
Tgt Ion:178 Resp: 37741

Ion Ratio Lower Upper

178 100

176 17.9 16.1 24.1

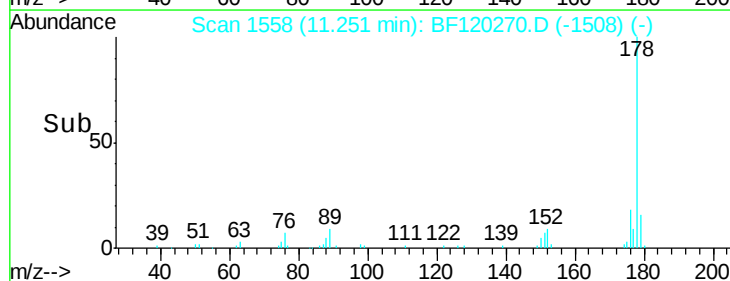
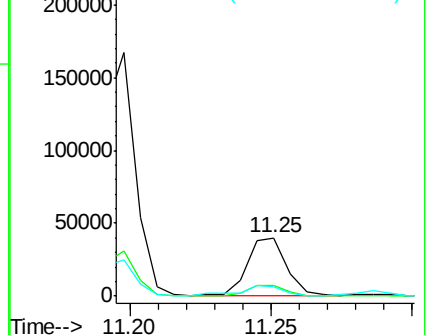
179 16.0 13.0 19.4

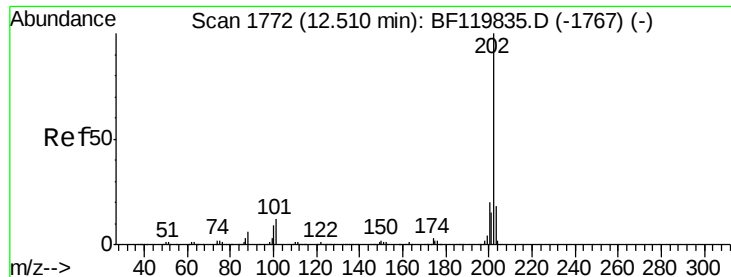


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 13.144 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

Instrument :

BNA_F

ClientSampleId :

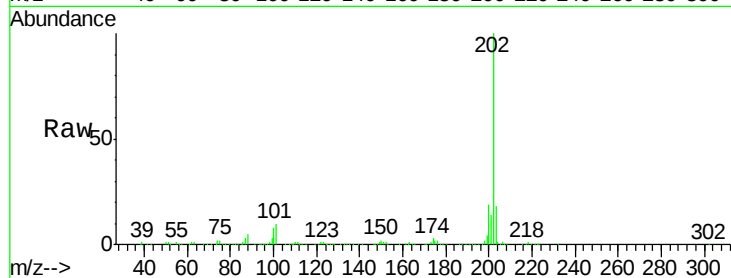
Tot Ion:202 Resp: 261821

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.2

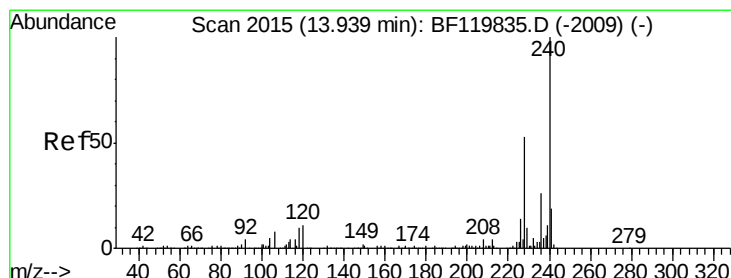
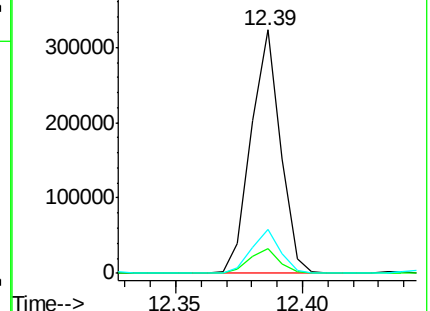
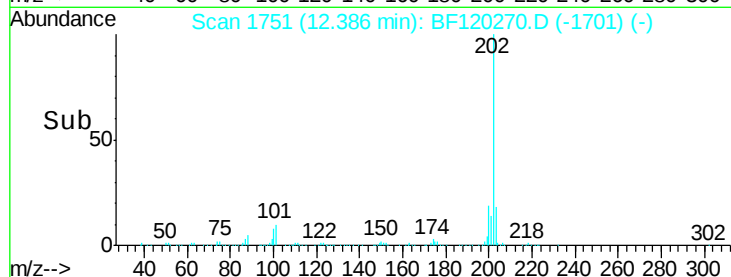
203 17.9 0.0 38.8



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: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

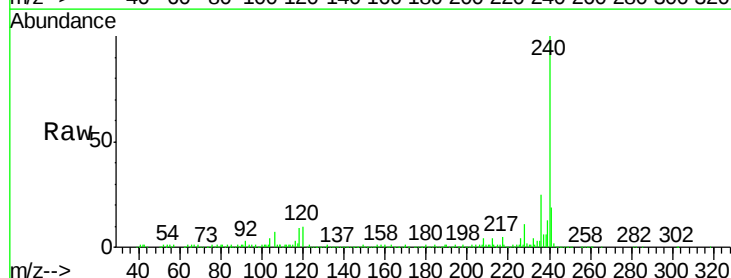
Tgt Ion:240 Resp: 266032

Ion Ratio Lower Upper

240 100

120 9.8 10.6 15.8#

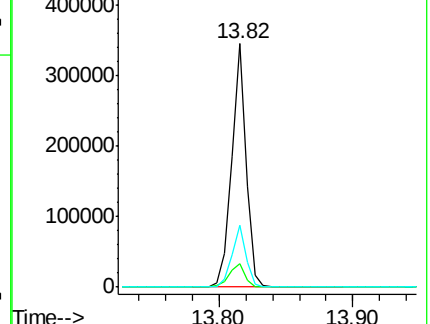
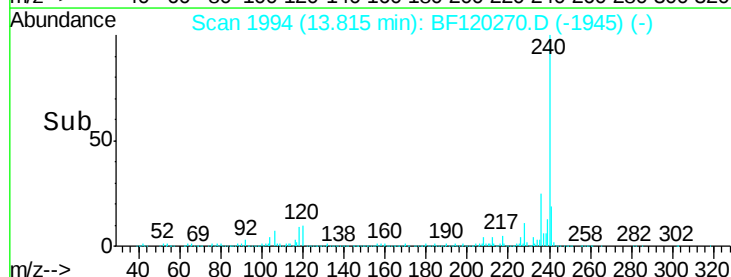
236 25.5 20.2 30.2

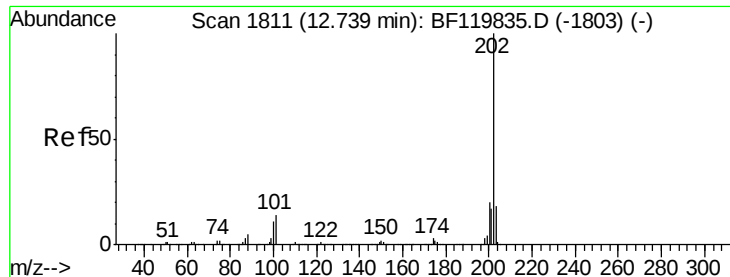


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.731 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

Instrument :

BNA_F

ClientSampleId :

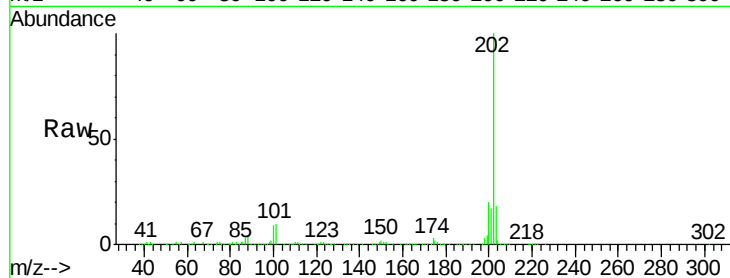
Tot Ion:202 Resp: 285517

Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

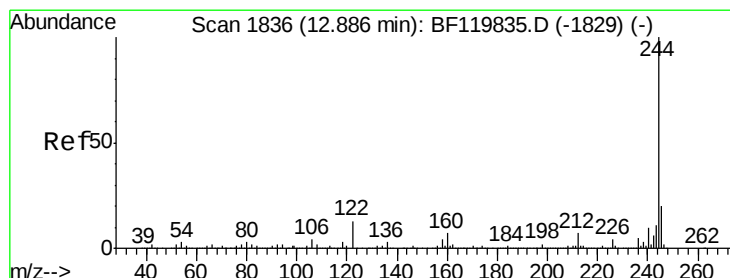
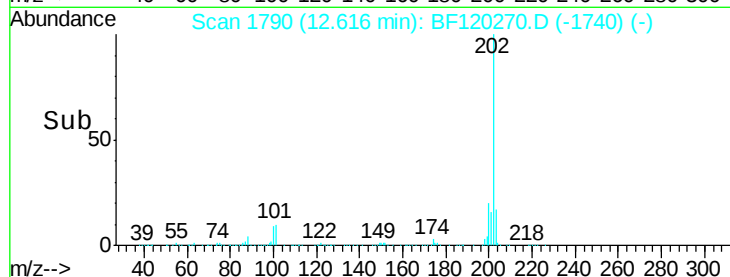
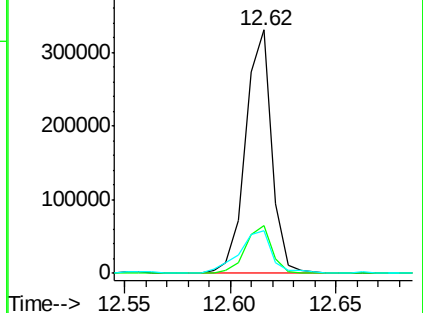
203 17.7 15.1 22.7



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: 54.759 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

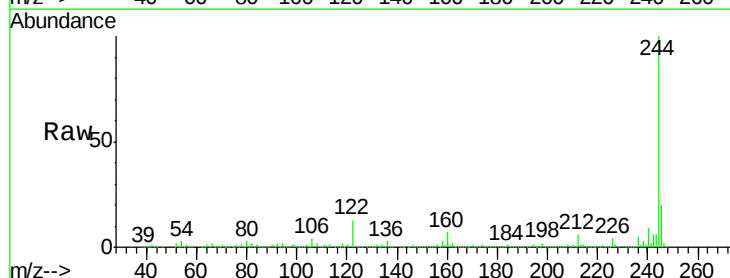
Tgt Ion:244 Resp: 865748

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

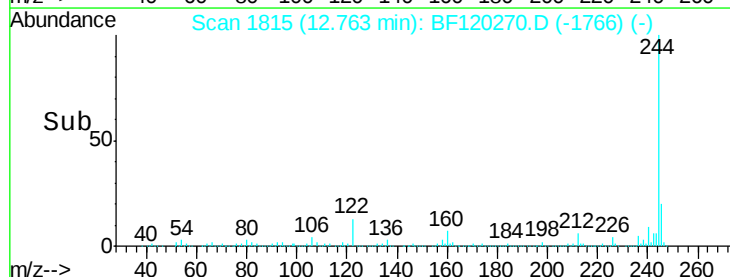
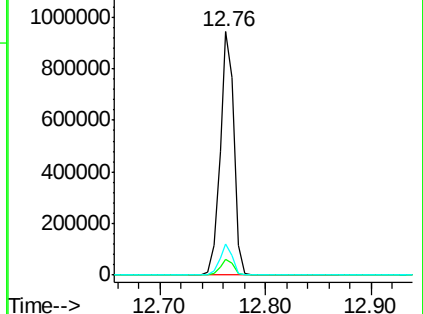
122 12.7 10.3 15.5

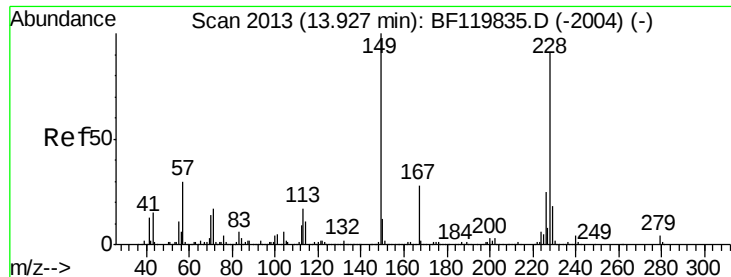


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 8.822 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

Instrument :

BNA_F

ClientSampleId :

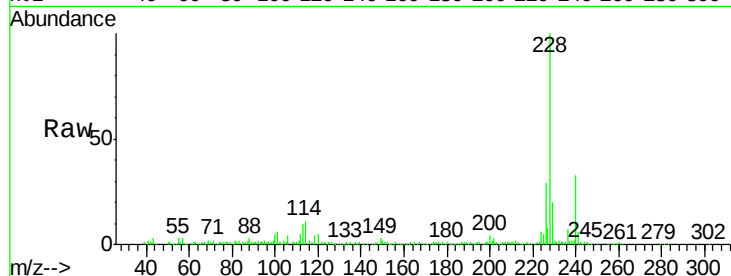
Tot Ion:228 Resp: 154395

Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.8

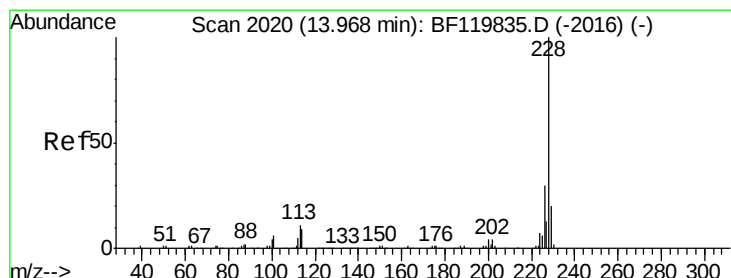
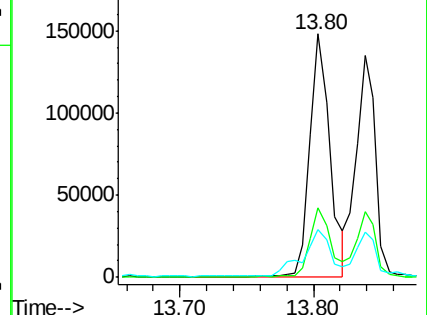
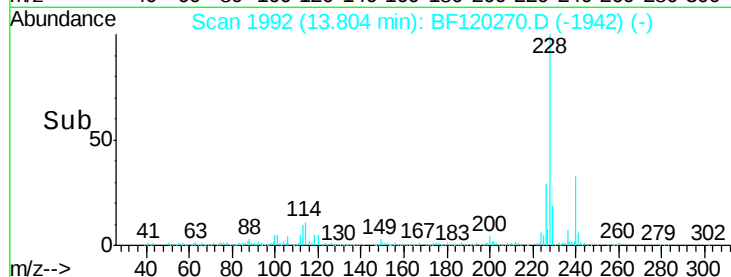
229 19.8 16.2 24.4



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: 7.716 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF120270.D

Acq: 1 May 2020 20:45

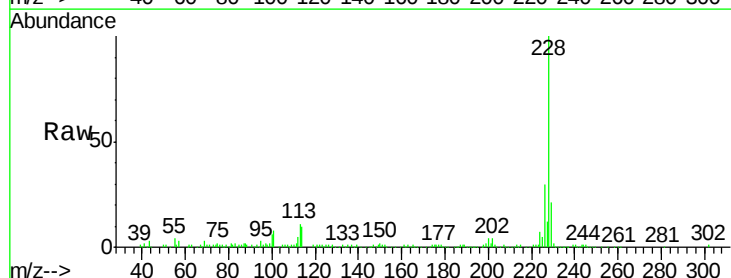
Tgt Ion:228 Resp: 137205

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.0

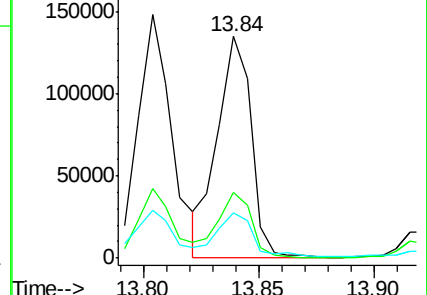
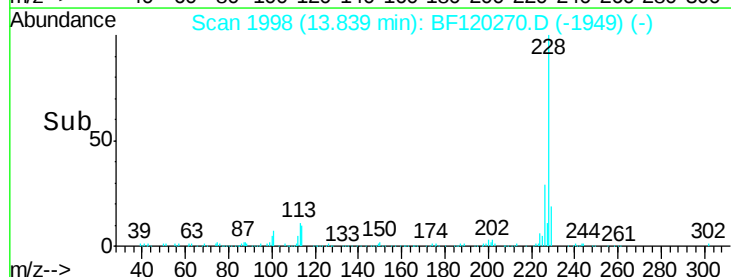
229 20.7 16.6 24.8

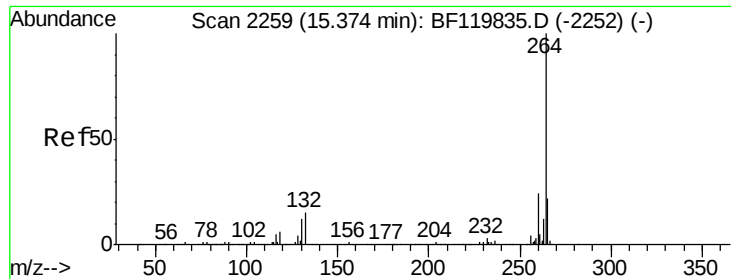


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



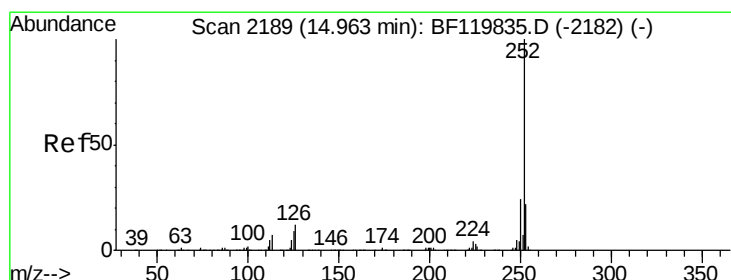
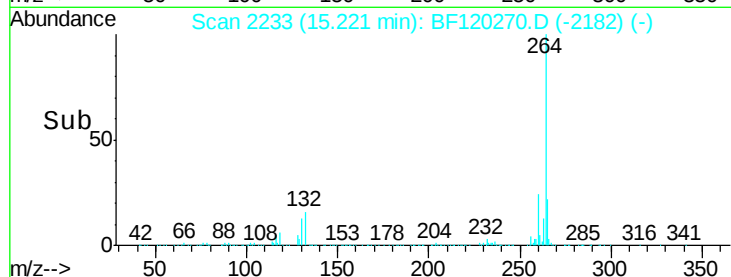
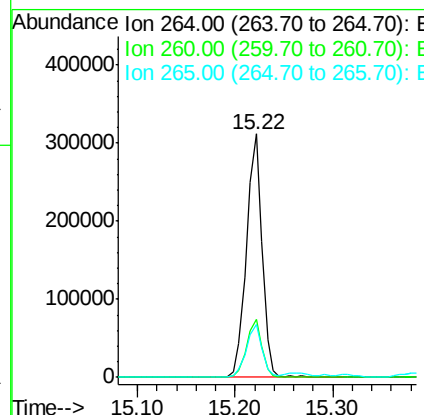
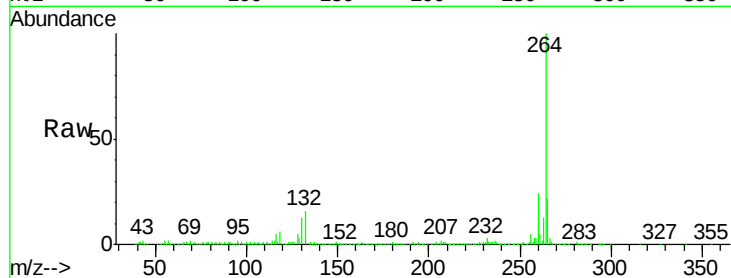


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BF120270.D
Acq: 1 May 2020 20:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 348450

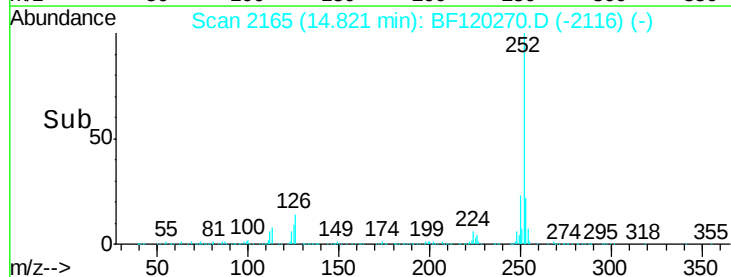
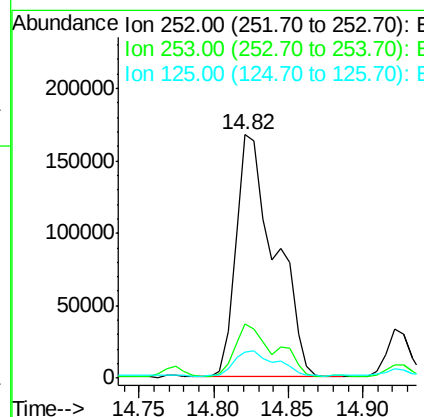
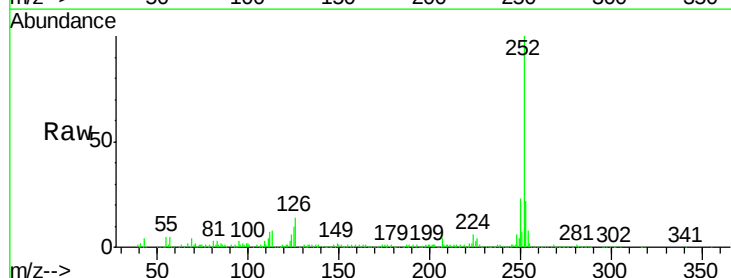
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.9	17.7	26.5

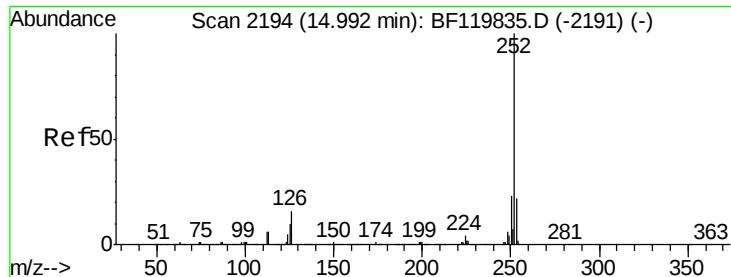


#88
Benzo(b)fluoranthene
Concen: 12.203 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF120270.D
Acq: 1 May 2020 20:45

Tgt Ion:252 Resp: 305890

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	10.4	7.9	11.9

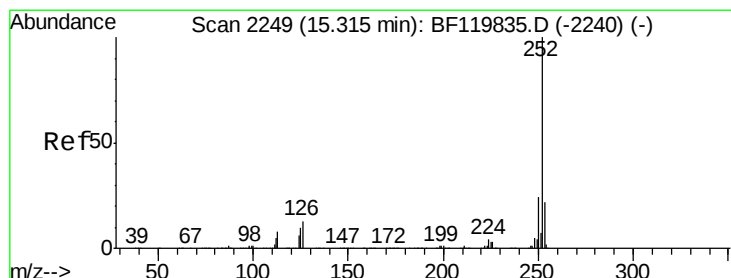
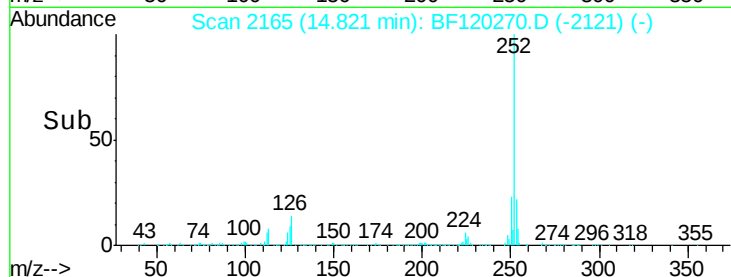
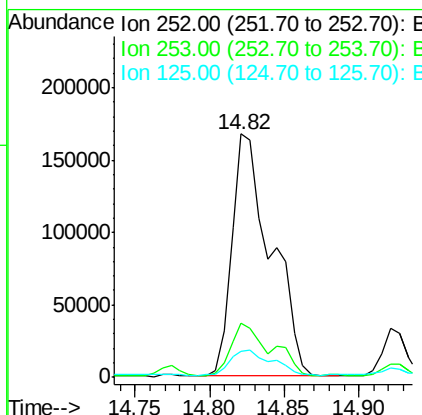
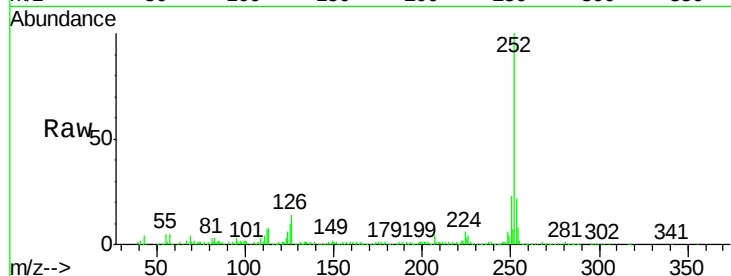




#89
Benzo(k)fluoranthene
Concen: 14.143 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.04 min
Lab File: BF120270.D
Acq: 1 May 2020 20:45

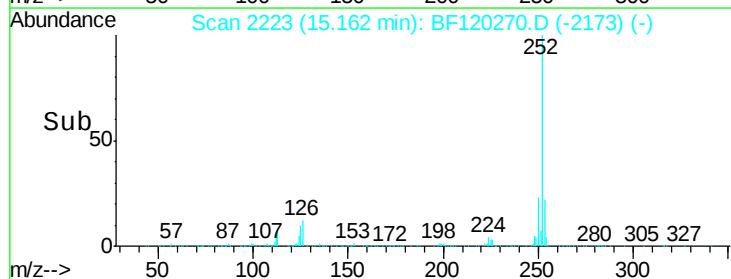
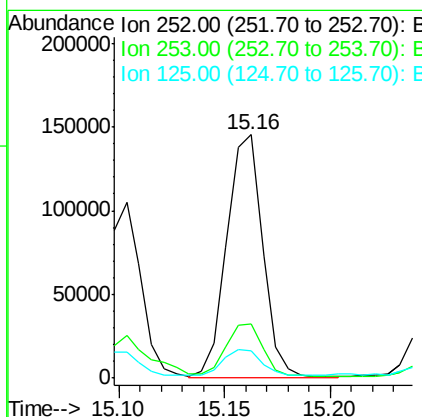
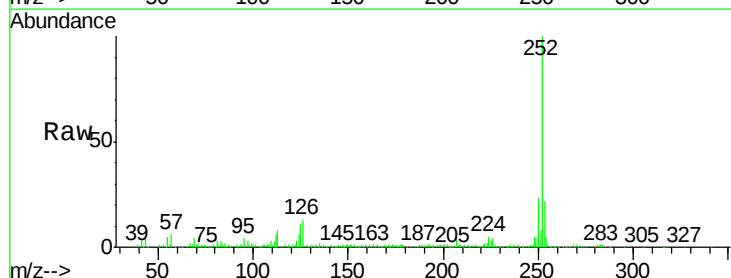
Instrument :
BNA_F
ClientSampleId :

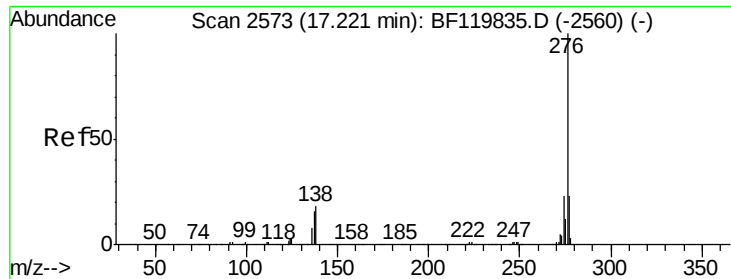
Tot Ion:252 Resp: 305890
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.4 8.4 12.6



#90
Benzo(a)pyrene
Concen: 8.053 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF120270.D
Acq: 1 May 2020 20:45

Tgt Ion:252 Resp: 169735
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 11.1 9.4 14.2

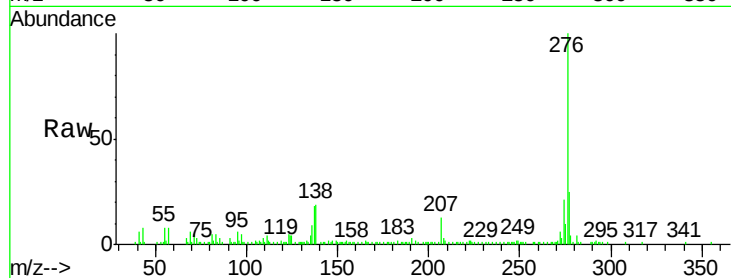




#92
 Benzo(a,h,i)perylene
 Concen: 5.659 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.02 min
 Lab File: BF120270.D
 Acq: 1 May 2020 20:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.4	27.6
138	19.4	15.4	23.0



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

