

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
 Data File : BF120252.D
 Acq On : 30 Apr 2020 21:07
 Operator : MA/SJ
 Sample : L2452-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 00:44:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 12:39:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	115592	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	432986	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	221365	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	427381	20.00	ng	0.00
76) Chrysene-d12	13.82	240	347043	20.00	ng	0.00
87) Perylene-d12	15.23	264	333462	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	965777	144.39	ng	0.00
7) Phenol-d6	6.32	99	1230822	142.81	ng	0.00
23) Nitrobenzene-d5	7.22	82	749860	89.59	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	327537	120.85	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	1421801	91.19	ng	0.00
79) Terphenyl-d14	12.77	244	1651432	80.07	ng	0.00

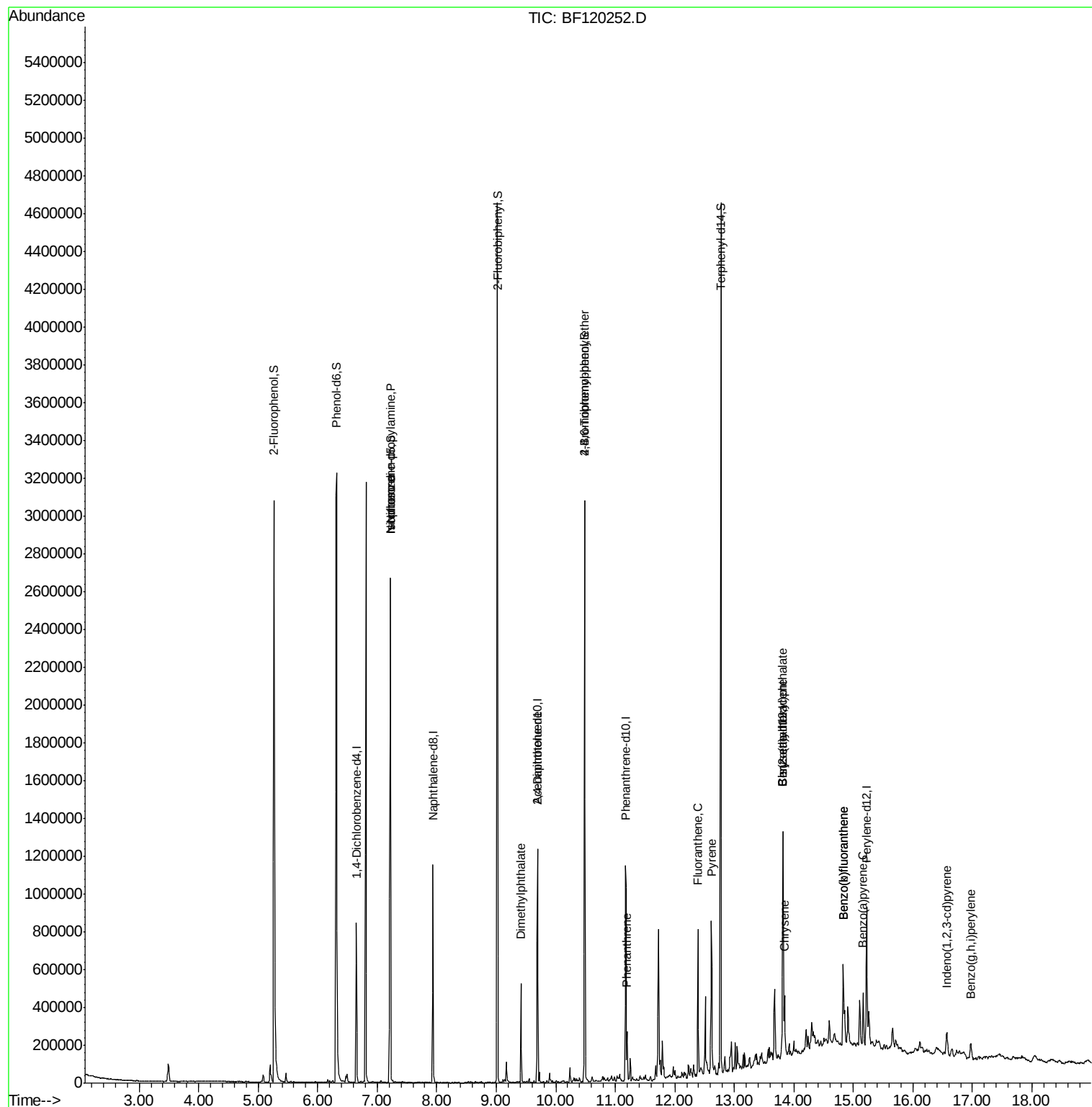
Target Compounds				Qvalue		
9) Benzaldehyde	6.20	77	1132	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	98468	17.767	ng	# 77
25) Isophorone	7.22	82	749846	46.476	ng	# 65
50) Dimethylphthalate	9.42	163	176410	10.303	ng	99
57) 2,4-Dinitrotoluene	9.69	165	27145	5.495	ng	# 20
67) 4-Bromophenyl-phenylether	10.49	248	21057	3.962	ng	# 1
71) Phenanthrene	11.20	178	89931	3.954	ng	98
75) Fluoranthene	12.39	202	331839	13.521	ng	94
78) Pyrene	12.62	202	322333	11.018	ng	98
81) Benzo(a)anthracene	13.81	228	153449	6.721	ng	96
83) Chrysene	13.84	228	125001	5.388	ng	96
84) Bis(2-ethylhexyl)phthalate	13.81	149	41476	2.157	ng	94
86) Indeno(1,2,3-cd)pyrene	16.57	276	73732	3.606	ng	98
88) Benzo(b)fluoranthene	14.83	252	274833	11.457	ng	98
89) Benzo(k)fluoranthene	14.83	252	274833	13.278	ng	99
90) Benzo(a)pyrene	15.16	252	129910	6.441	ng	99
92) Benzo(a,h,i)perylene	16.97	276	66465	3.769	ng	97

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

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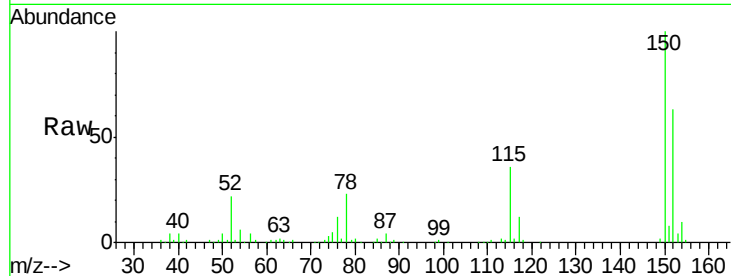


#1

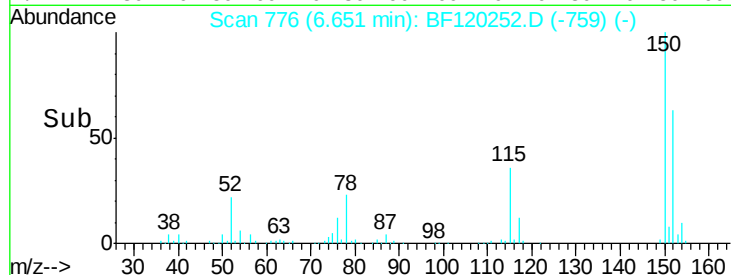
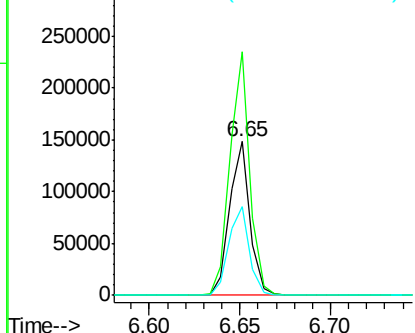
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115592
Ion Ratio Lower Upper
152 100
150 158.7 124.5 186.7
115 57.9 49.6 74.4



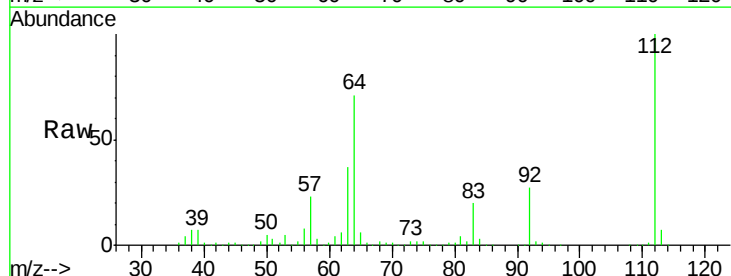
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



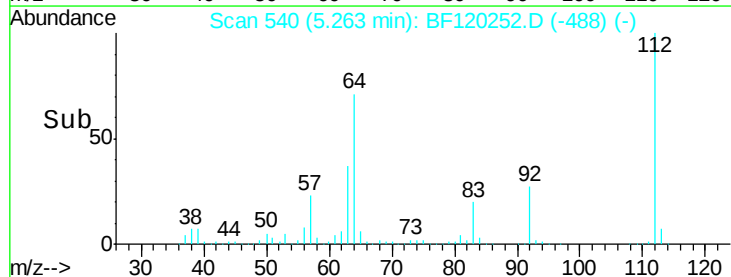
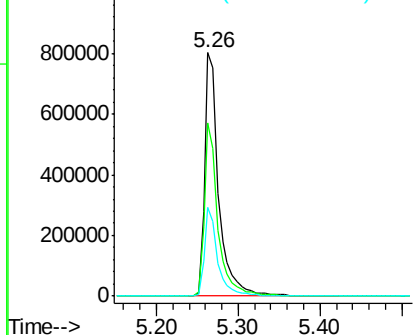
#5

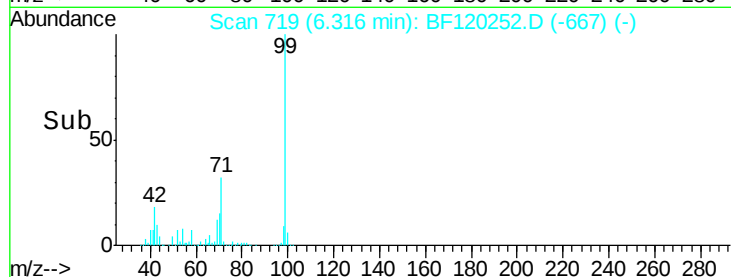
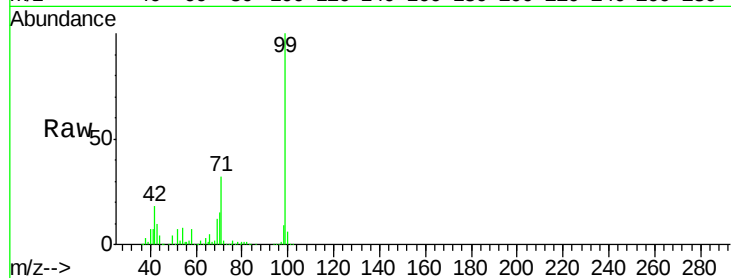
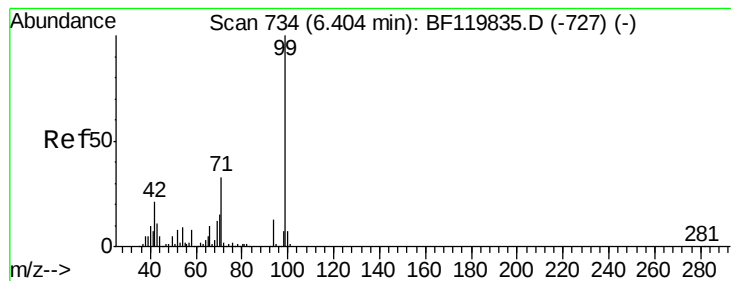
2-Fluorophenol
Concen: 144.391 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.01 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

Tgt Ion:112 Resp: 965777
Ion Ratio Lower Upper
112 100
64 71.2 56.7 85.1
63 36.5 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: 142.809 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.01 min

Lab File: BF120252.D

Acq: 30 Apr 2020 21:07

Instrument :

BNA_F

ClientSampleId :

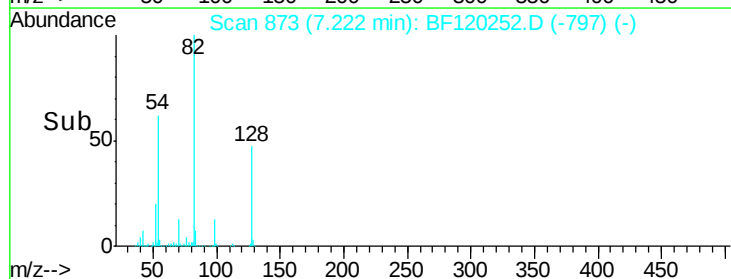
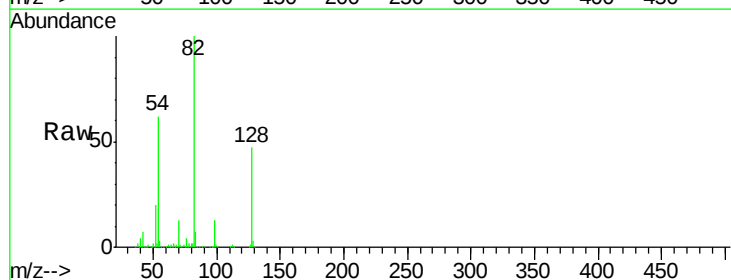
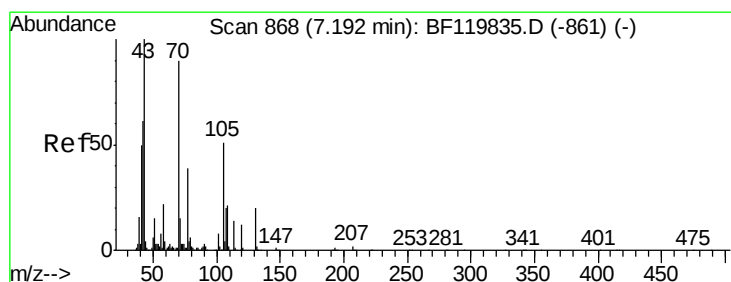
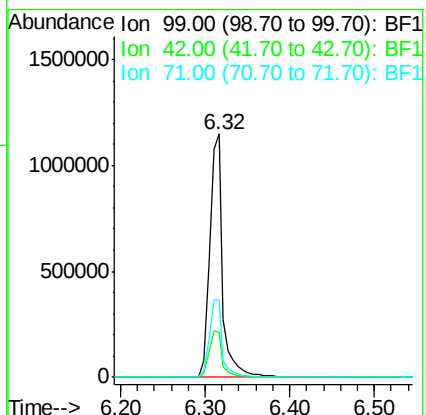
Tot Ion: 99 Resp: 1230822

Ion Ratio Lower Upper

99 100

42 18.5 16.6 24.8

71 31.8 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 17.767 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.15 min

Lab File: BF120252.D

Acq: 30 Apr 2020 21:07

Tgt Ion: 70 Resp: 98468

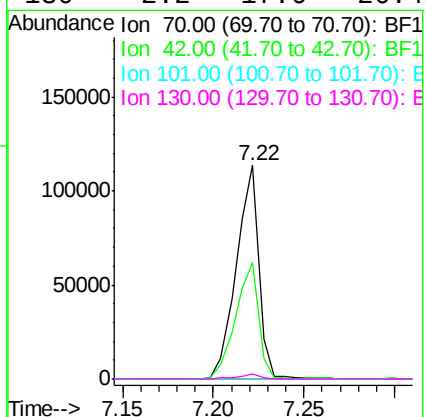
Ion Ratio Lower Upper

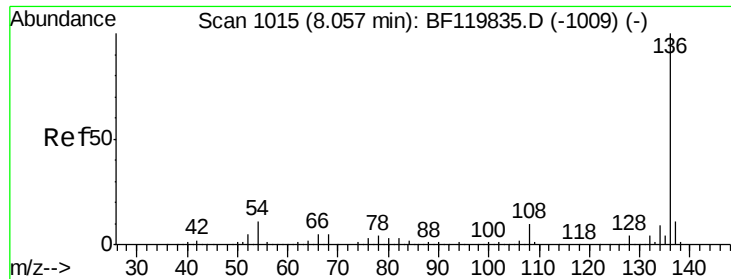
70 100

42 54.3 54.5 81.7#

101 0.0 7.6 11.4#

130 2.2 17.6 26.4#

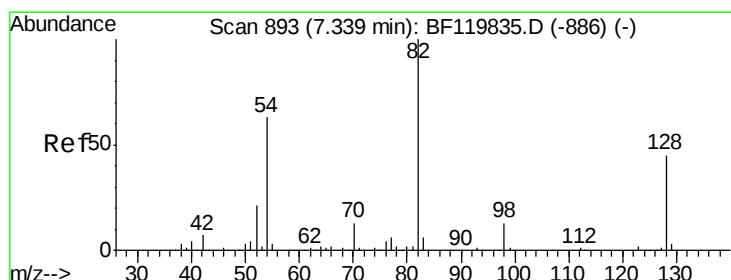
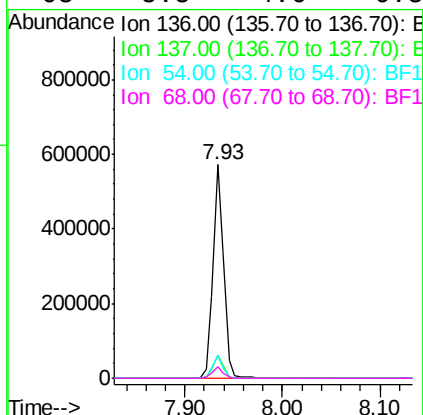
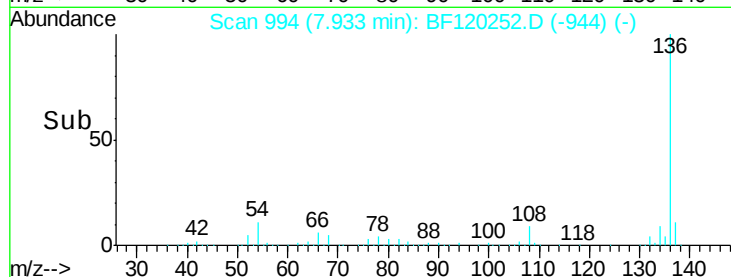
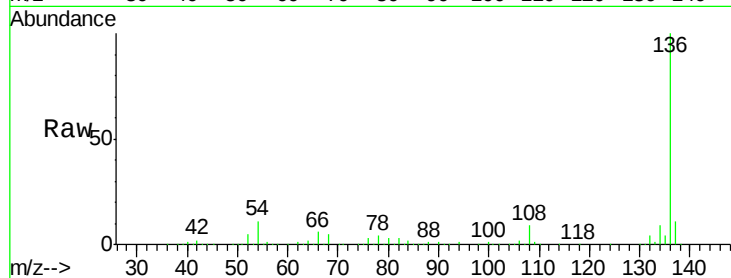




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

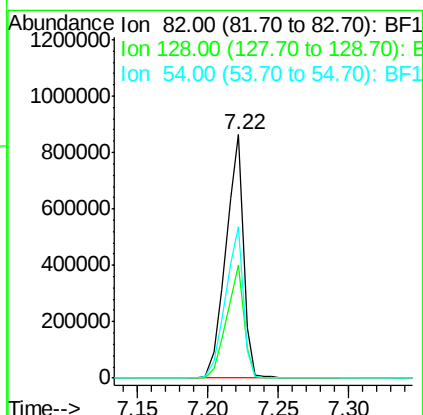
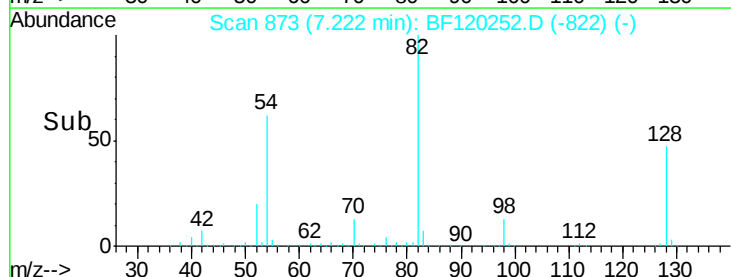
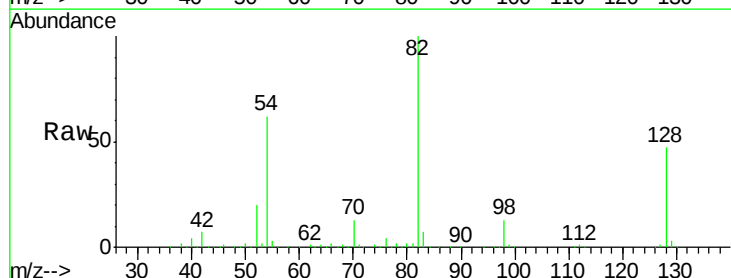
Instrument :
BNA_F
ClientSampleId :

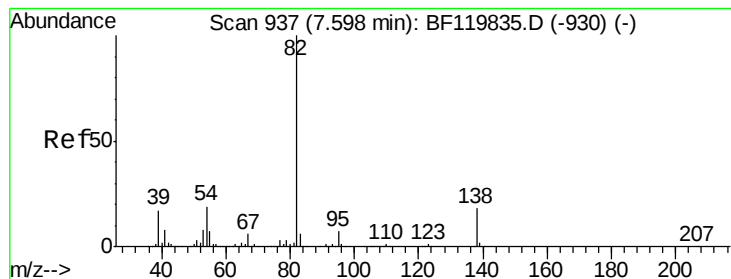
Tot Ion:136	Resp:	432986
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.7 13.1
54	10.6	9.1 13.7
68	5.5	4.6 6.8



#23
Nitrobenzene-d5
Concen: 89.594 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

Tgt Ion: 82	Resp:	749860
Ion	Ratio	Lower Upper
82	100	
128	46.5	36.3 54.5
54	62.0	50.6 75.8





#25

Isophorone

Concen: 46.476 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.26 min

Lab File: BF120252.D

Acq: 30 Apr 2020 21:07

Instrument :

BNA_F

ClientSampleId :

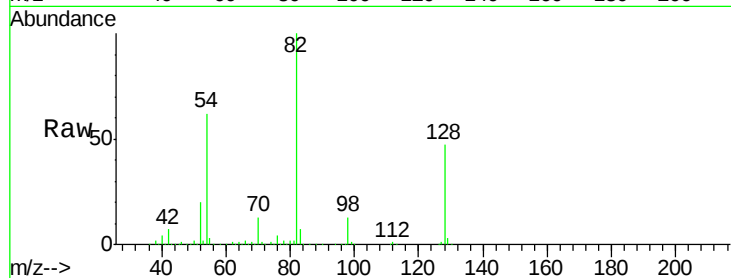
Tot Ion: 82 Resp: 749846

Ion Ratio Lower Upper

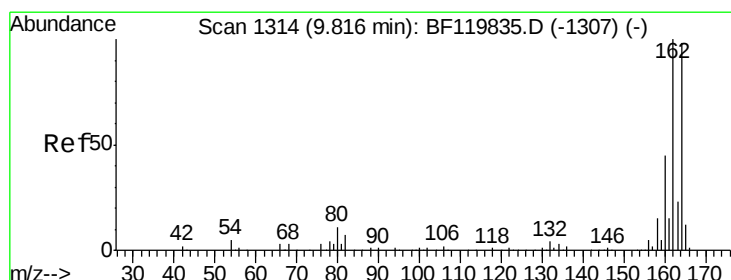
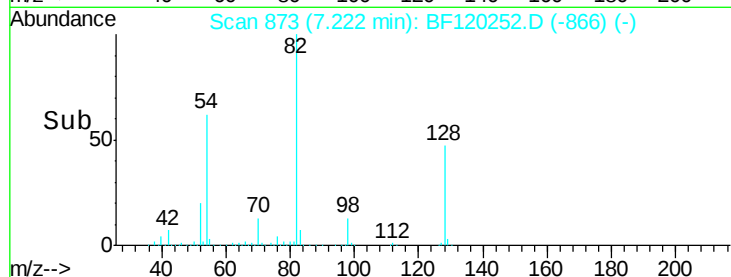
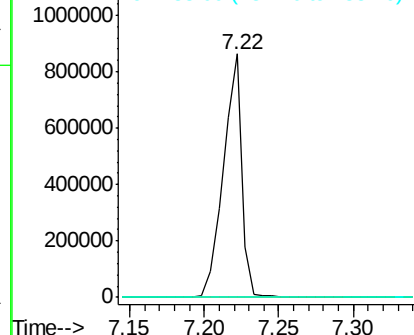
82 100

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# 1293

Delta R.T. -0.01 min

Lab File: BF120252.D

Acq: 30 Apr 2020 21:07

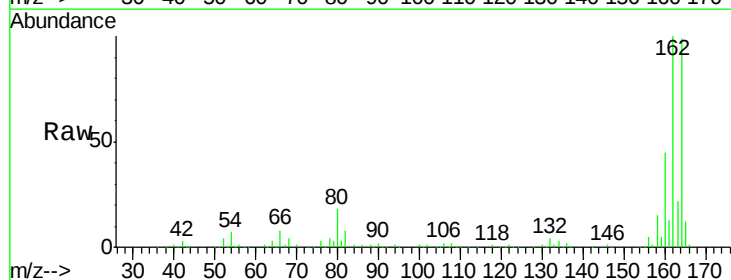
Tgt Ion: 164 Resp: 221365

Ion Ratio Lower Upper

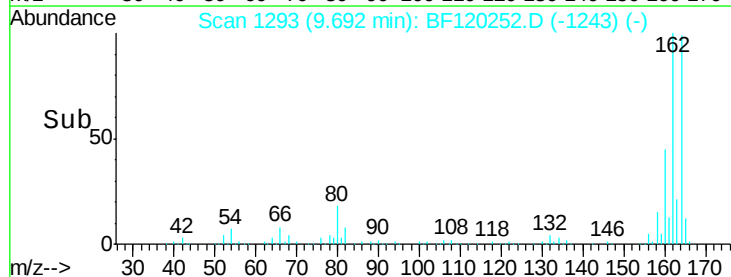
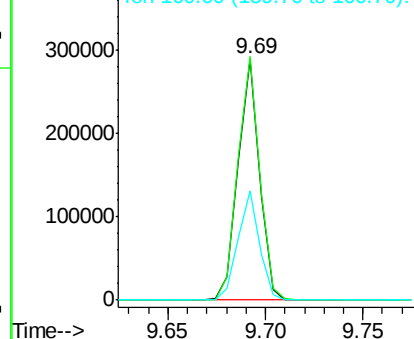
164 100

162 100.8 80.6 121.0

160 45.2 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

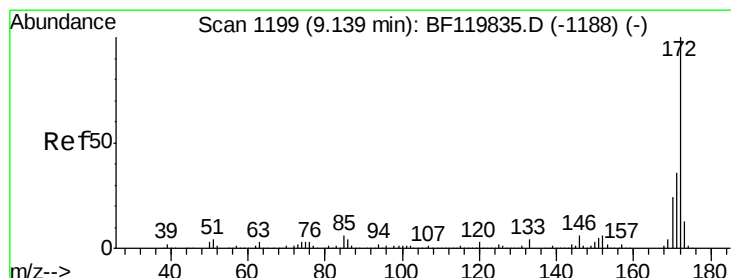
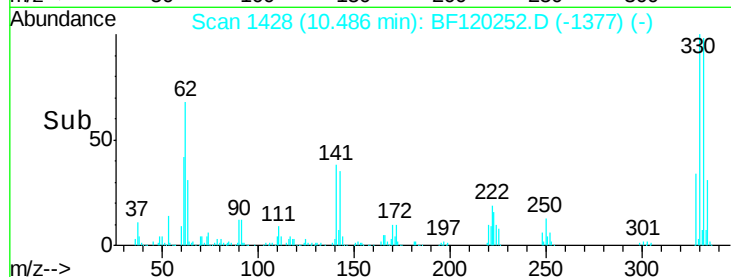
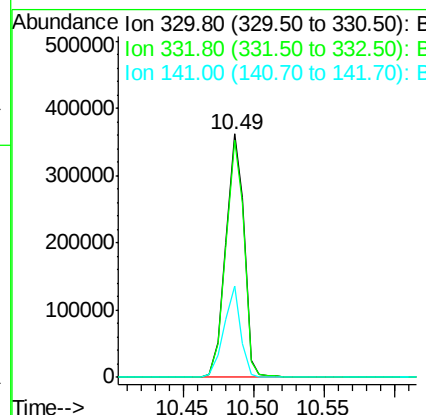
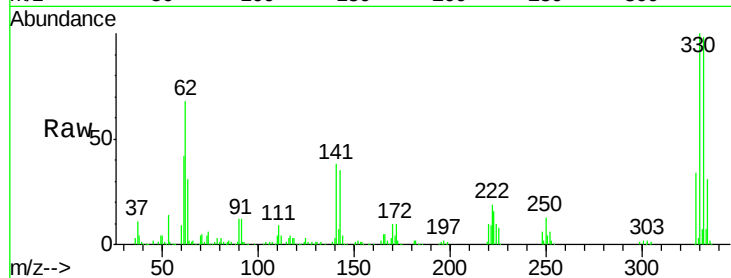




#42
 2,4,6-Tribromophenol
 Concen: 120.851 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: BF120252.D
 Acq: 30 Apr 2020 21:07

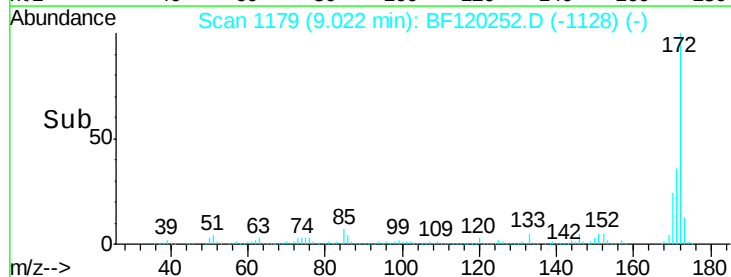
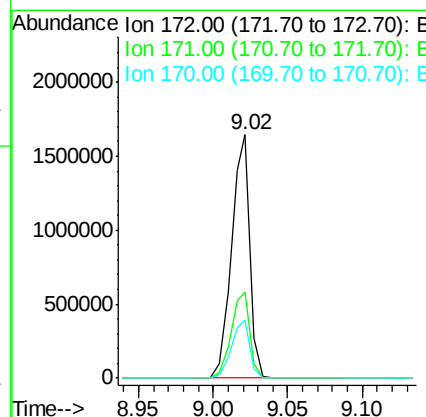
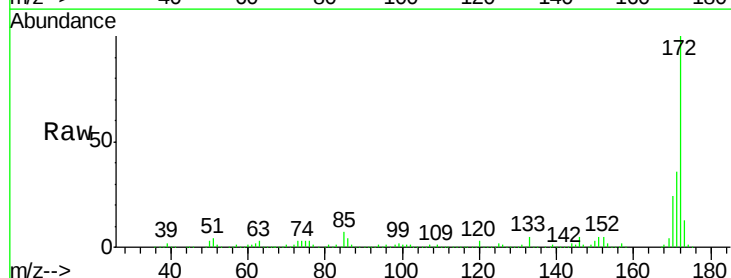
Instrument :
 BNA_F
 ClientSampled :

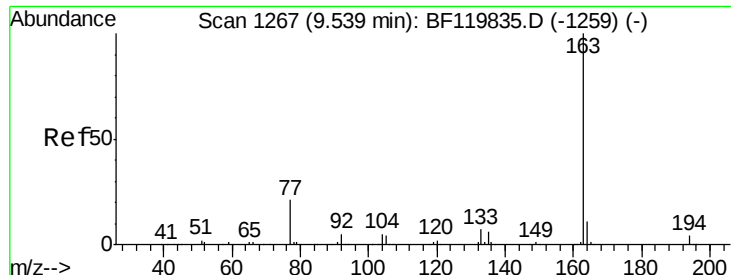
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.7	113.5
141	34.5	25.4	38.0



#45
 2-Fluorobiphenyl
 Concen: 91.191 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: BF120252.D
 Acq: 30 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.8	20.2	30.2

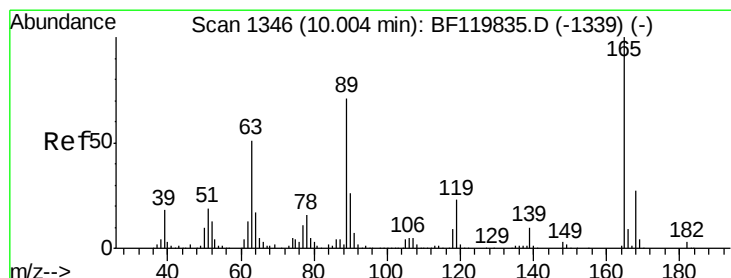
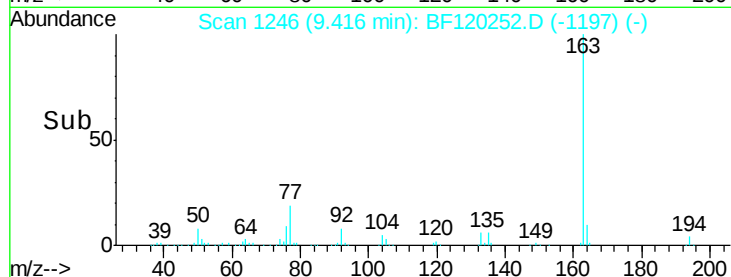
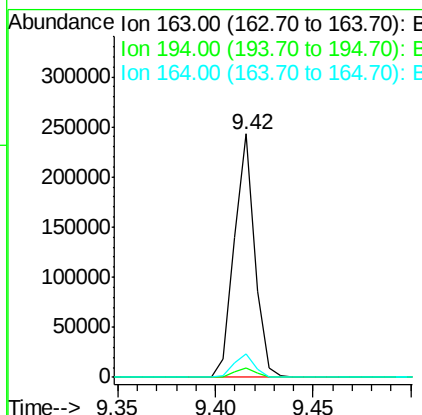
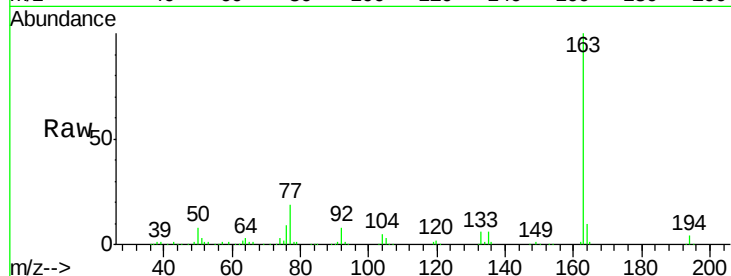




#50
Dimethylphthalate
Concen: 10.303 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

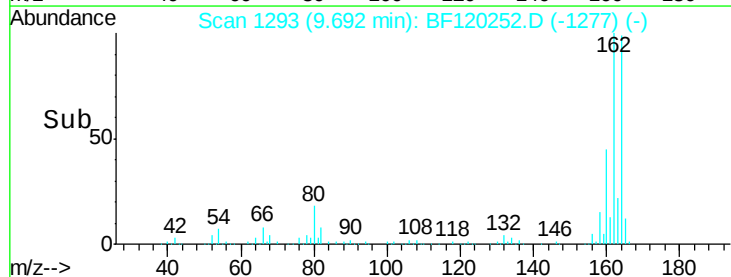
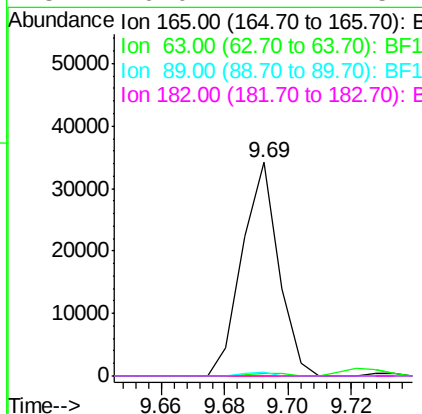
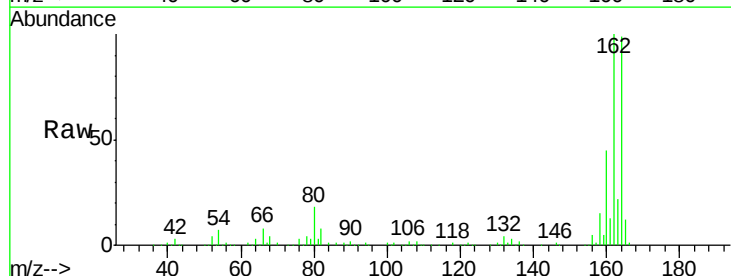
Instrument :
BNA_F
ClientSampleId :

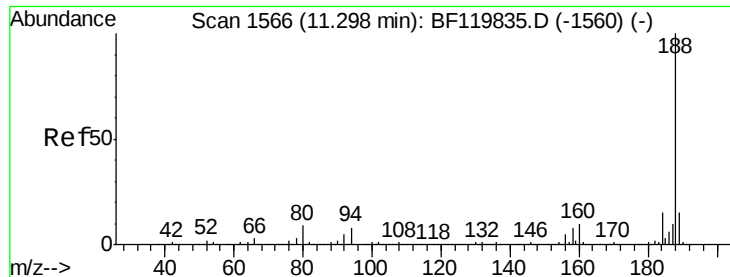
Tot Ion:163 Resp: 176410
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.6 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 5.495 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.21 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

Tgt Ion:165 Resp: 27145
Ion Ratio Lower Upper
165 100
63 1.0 42.6 64.0#
89 2.0 61.0 91.4#
182 0.0 2.2 3.2#

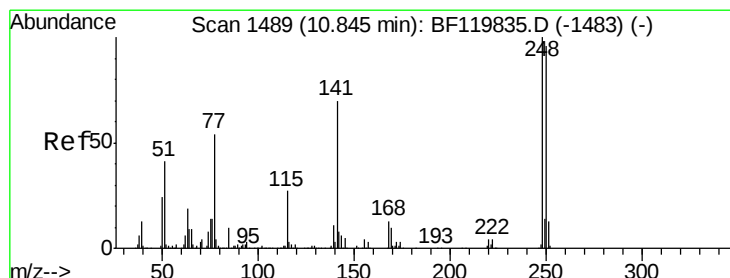
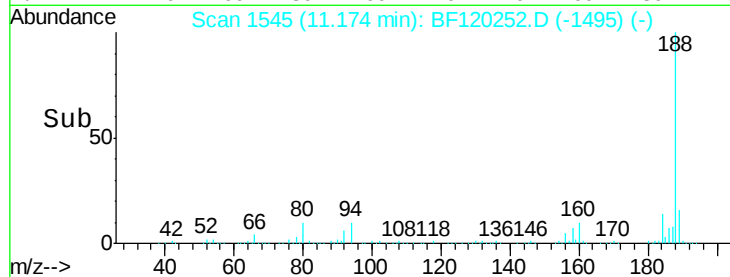
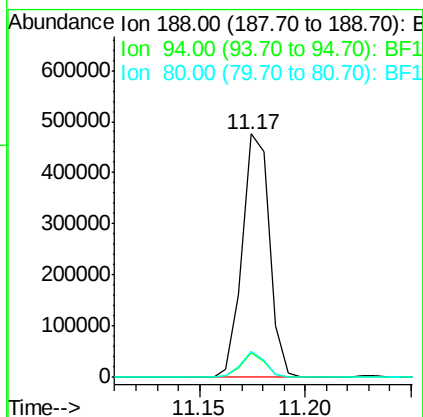
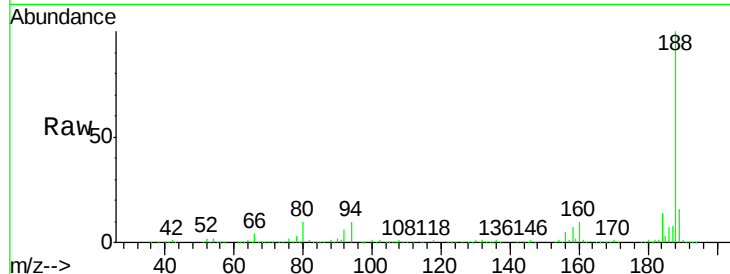




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

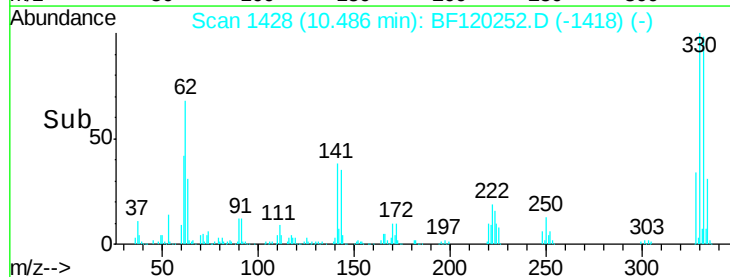
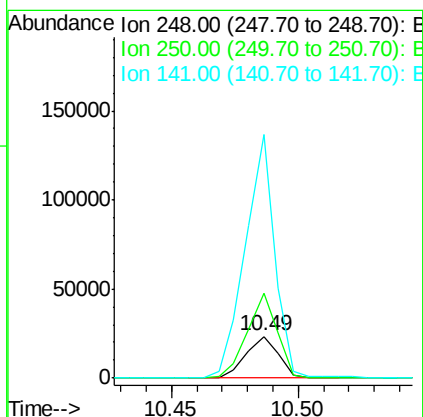
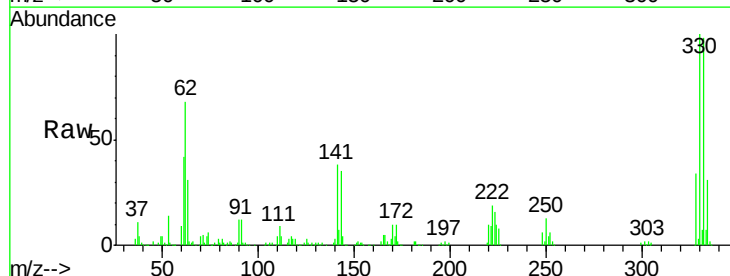
Instrument :
BNA_F
ClientSampleId :

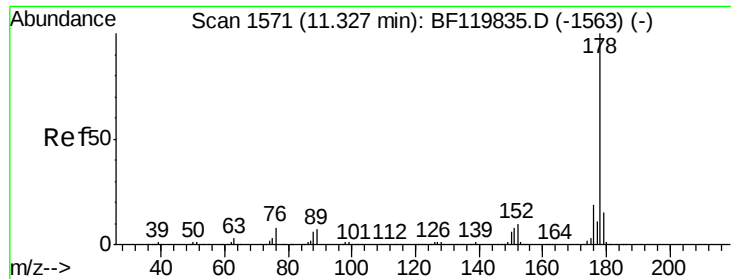
Tot Ion:188 Resp: 427381
Ion Ratio Lower Upper
188 100
94 10.0 7.5 11.3
80 10.5 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 3.962 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.24 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

Tgt Ion:248 Resp: 21057
Ion Ratio Lower Upper
248 100
250 201.5 77.3 115.9#
141 581.2 58.6 87.8#

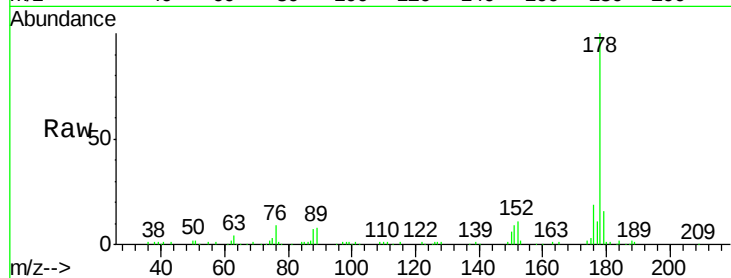




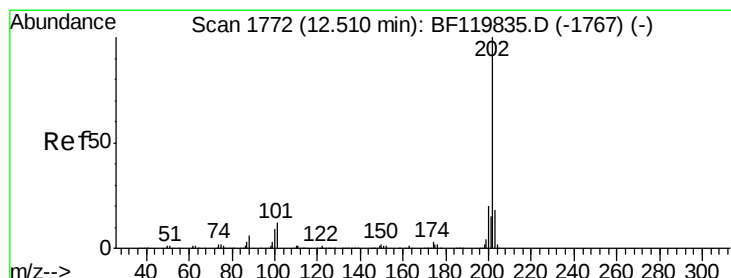
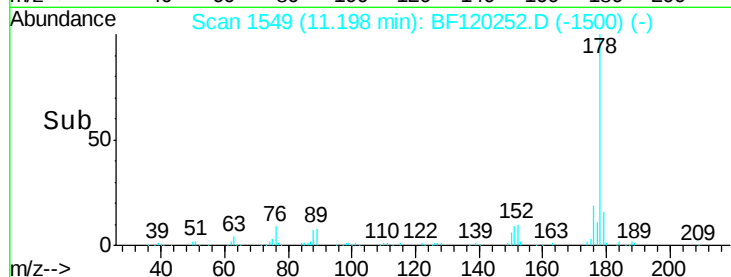
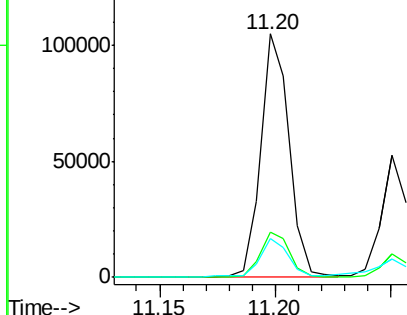
#71
Phenanthrene
Concen: 3.954 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 89931
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.9 13.2 19.8

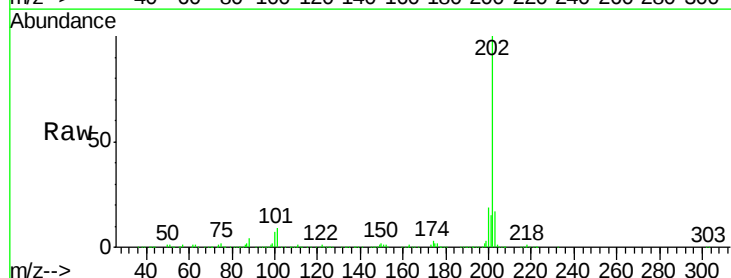


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

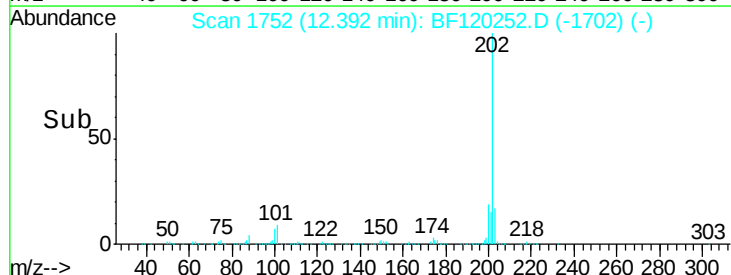
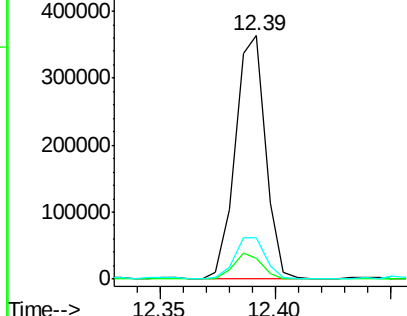


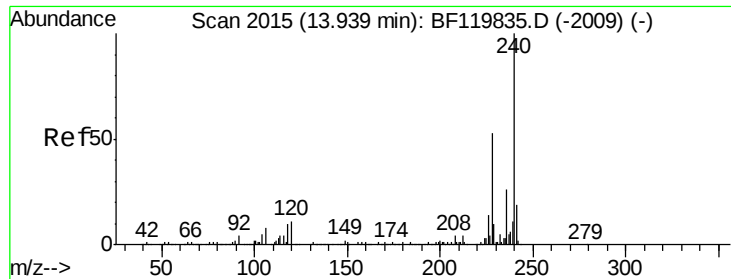
#75
Fluoranthene
Concen: 13.521 ng
RT: 12.39 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

Tgt Ion:202 Resp: 331839
Ion Ratio Lower Upper
202 100
101 8.5 0.0 32.2
203 16.8 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# 1995

Delta R.T. -0.01 min

Lab File: BF120252.D

Acq: 30 Apr 2020 21:07

Instrument :

BNA_F

ClientSampleId :

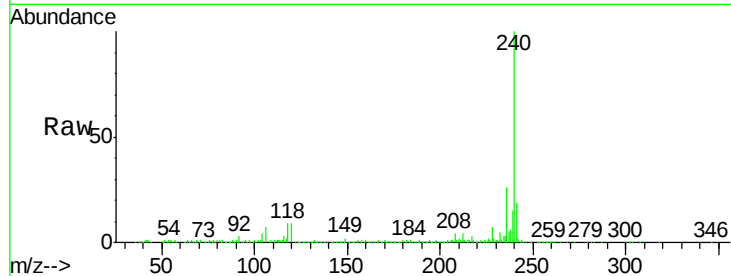
Tot Ion:240 Resp: 347043

Ion Ratio Lower Upper

240 100

120 9.1 10.6 15.8#

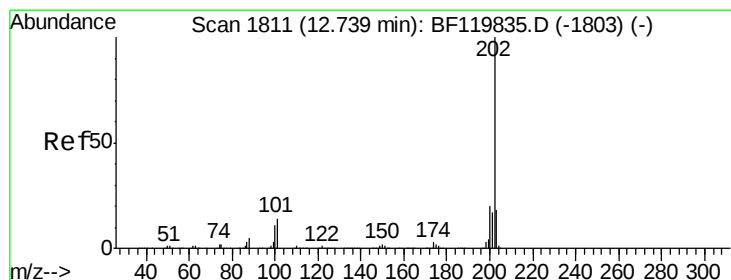
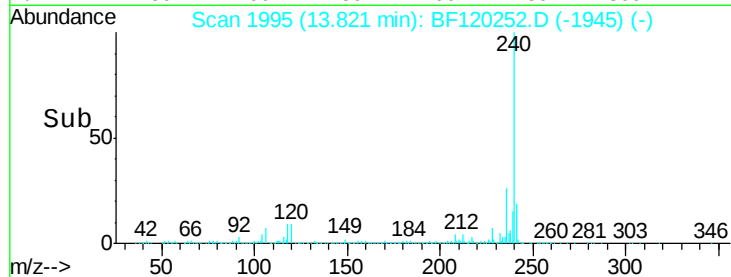
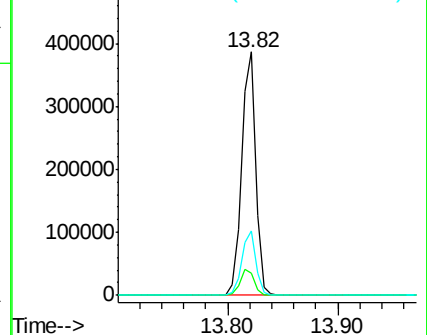
236 26.4 20.2 30.2



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

Pyrene

Concen: 11.018 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF120252.D

Acq: 30 Apr 2020 21:07

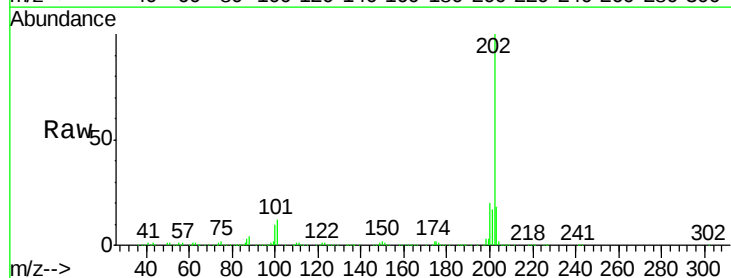
Tgt Ion:202 Resp: 322333

Ion Ratio Lower Upper

202 100

200 19.7 16.8 25.2

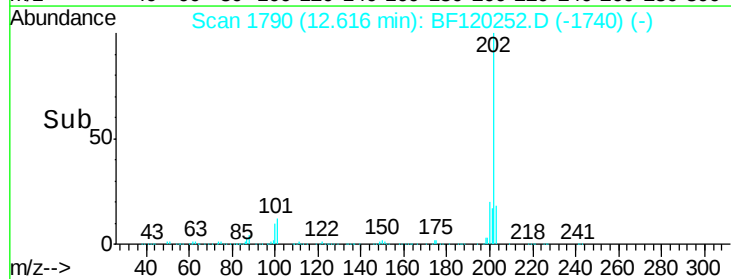
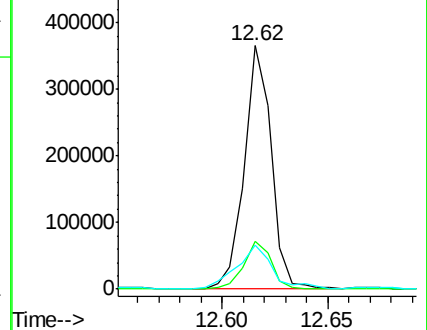
203 18.1 15.1 22.7

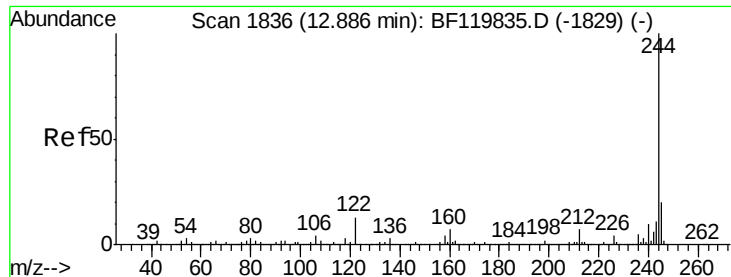


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 80.070 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120252.D

Acq: 30 Apr 2020 21:07

Instrument :

BNA_F

ClientSampleId :

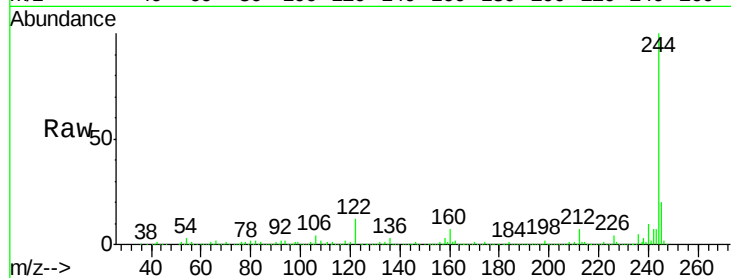
Tot Ion:244 Resp: 1651432

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

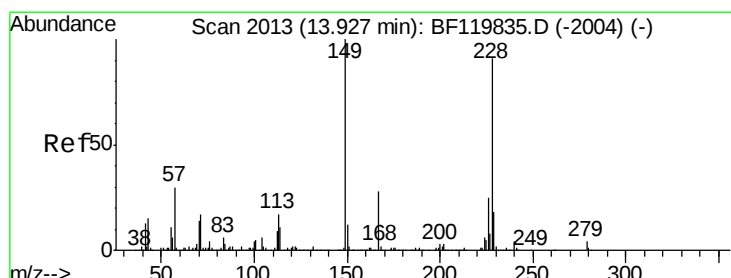
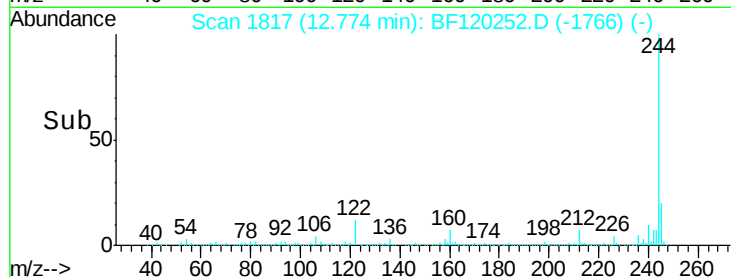
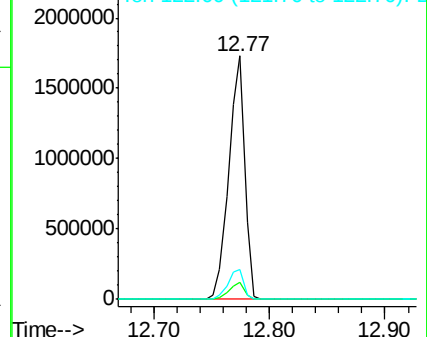
122 12.2 10.3 15.5



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: 6.721 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF120252.D

Acq: 30 Apr 2020 21:07

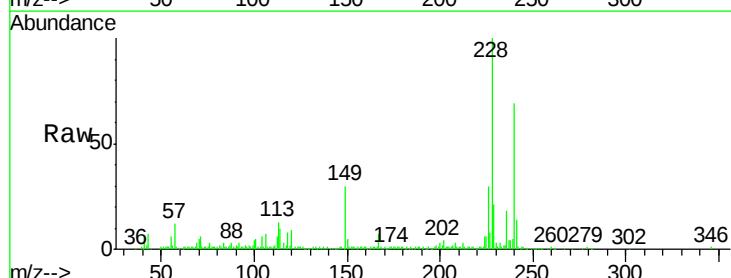
Tgt Ion:228 Resp: 153449

Ion Ratio Lower Upper

228 100

226 30.3 21.8 32.8

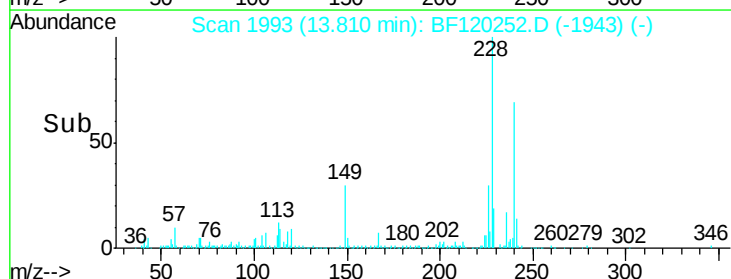
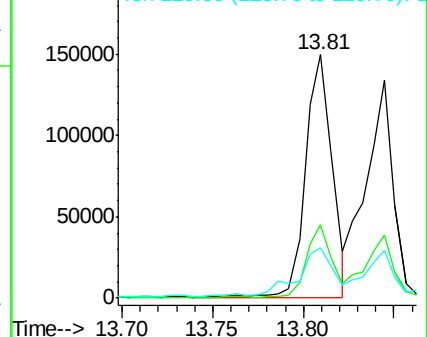
229 20.6 16.2 24.4

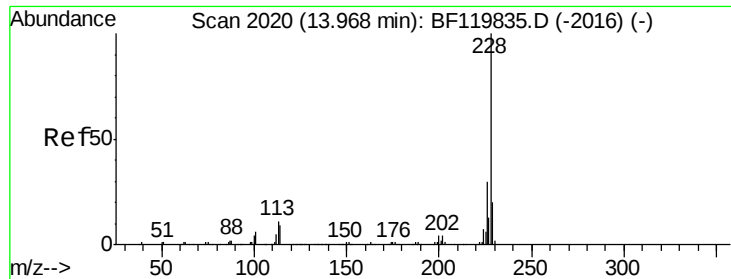


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

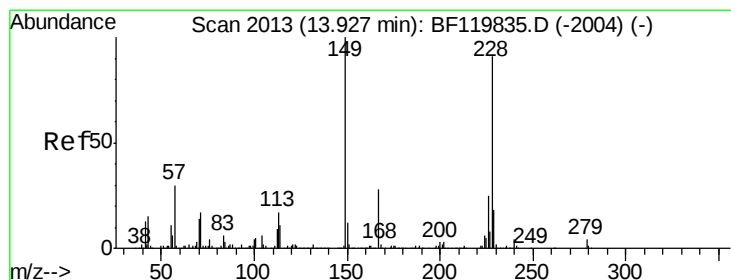
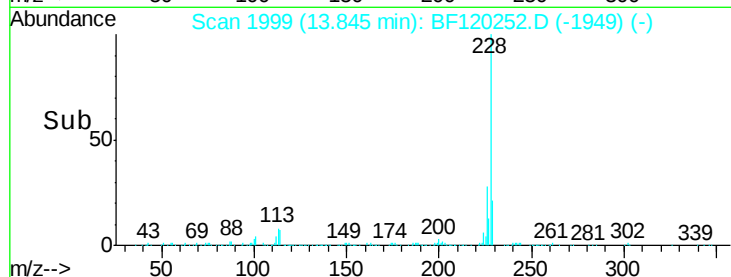
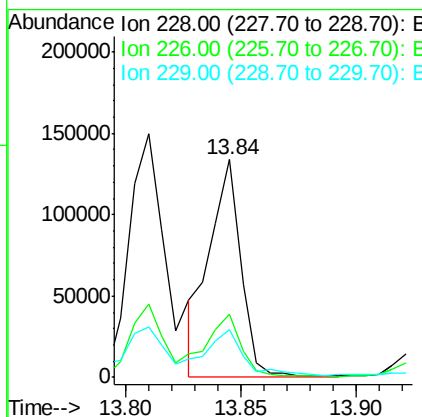
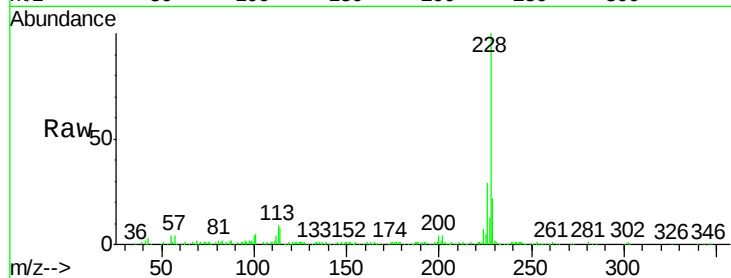




#83
 Chrysene
 Concen: 5.388 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF120252.D
 Acq: 30 Apr 2020 21:07

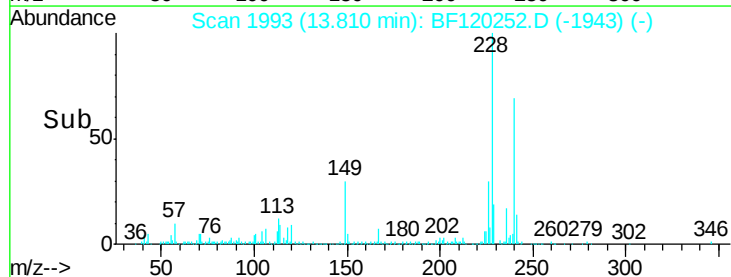
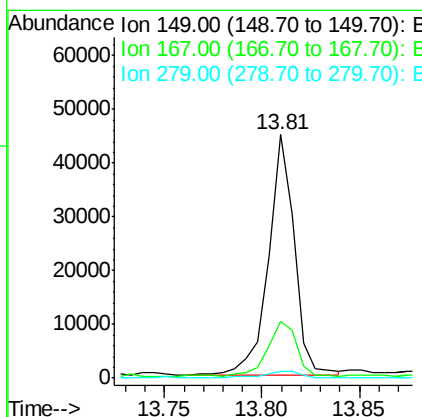
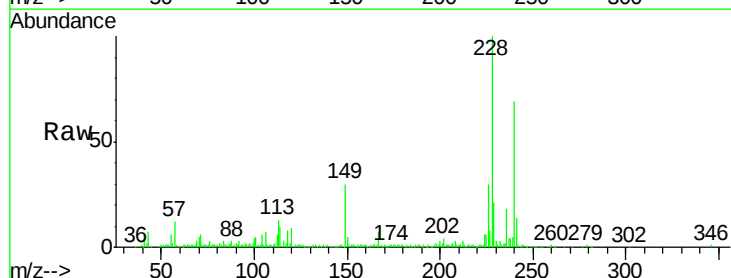
Instrument :
 BNA_F
 ClientSampleId :

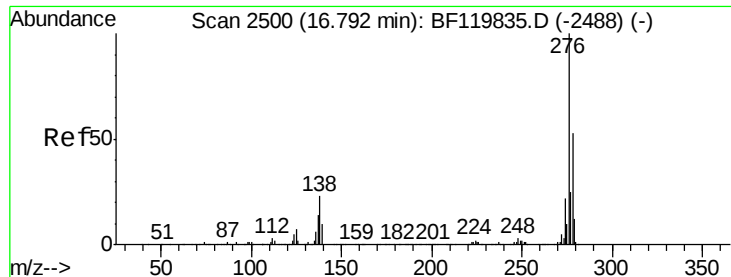
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.4	38.0
229	21.8	16.6	24.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.157 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.01 min
 Lab File: BF120252.D
 Acq: 30 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.2	21.3	31.9
279	2.7	2.7	4.1

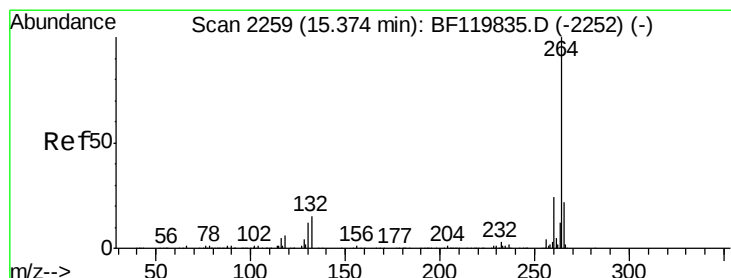
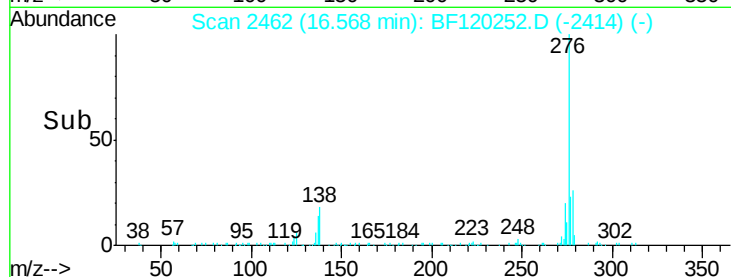
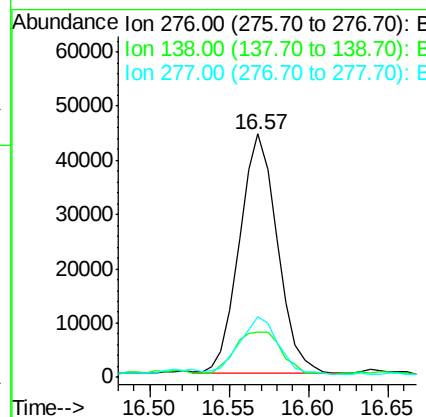
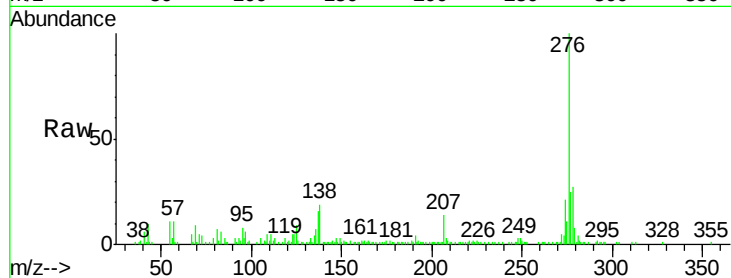




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.606 ng
 RT: 16.57 min Scan# 2462
 Delta R.T. -0.02 min
 Lab File: BF120252.D
 Acq: 30 Apr 2020 21:07

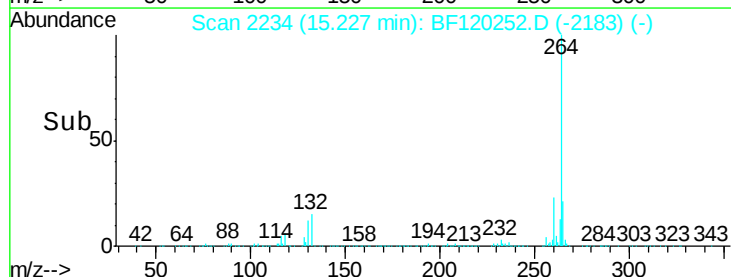
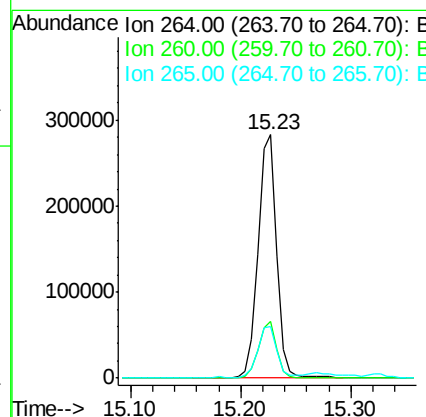
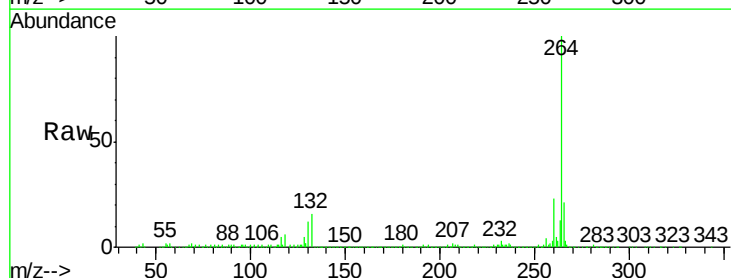
Instrument :
 BNA_F
 ClientSampleId :

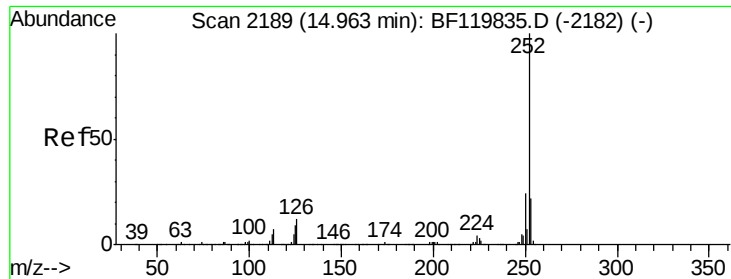
Tot Ion:276 Resp: 73732
 Ion Ratio Lower Upper
 276 100
 138 22.3 19.6 29.4
 277 24.9 20.0 30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BF120252.D
 Acq: 30 Apr 2020 21:07

Tgt Ion:264 Resp: 333462
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.0 17.7 26.5

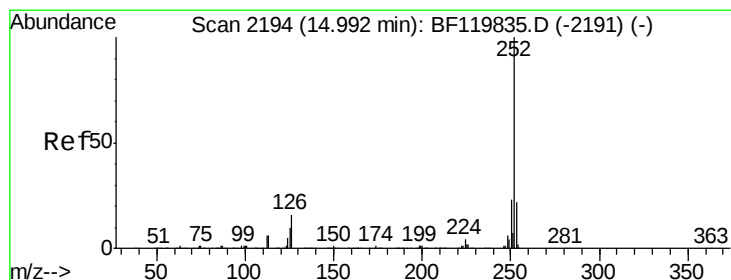
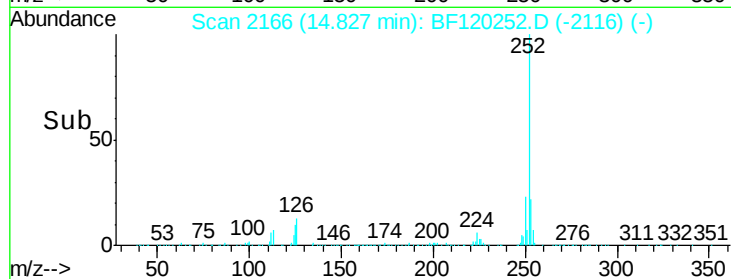
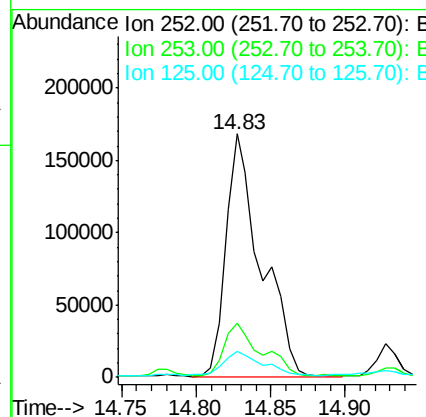
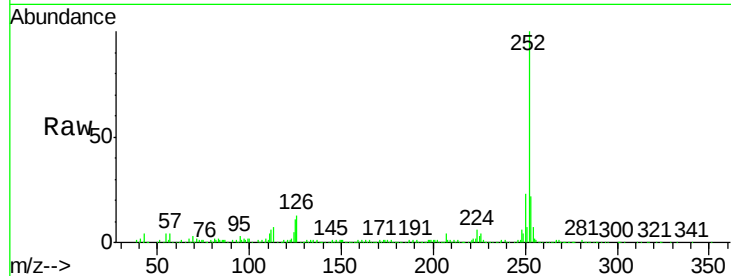




#88
Benzo(b)fluoranthene
Concen: 11.457 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

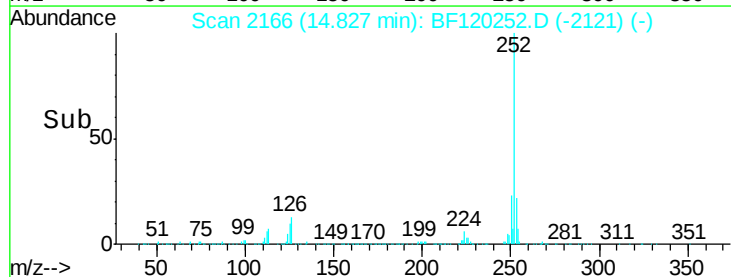
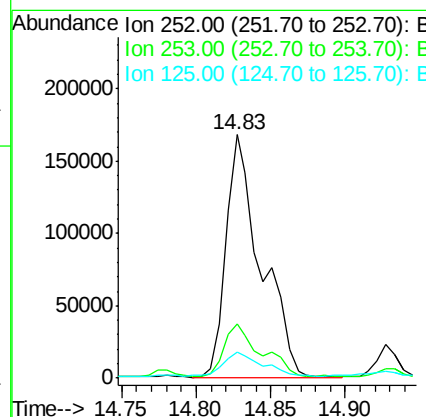
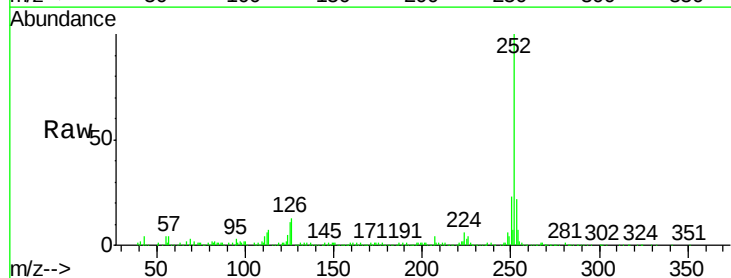
Instrument :
BNA_F
ClientSampleId :

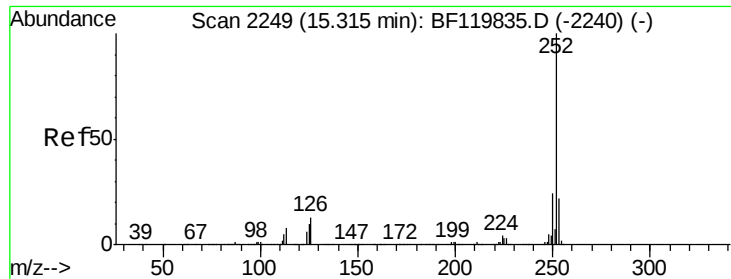
Tot Ion:252 Resp: 274833
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 10.9 7.9 11.9



#89
Benzo(k)fluoranthene
Concen: 13.278 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.04 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

Tgt Ion:252 Resp: 274833
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 10.9 8.4 12.6

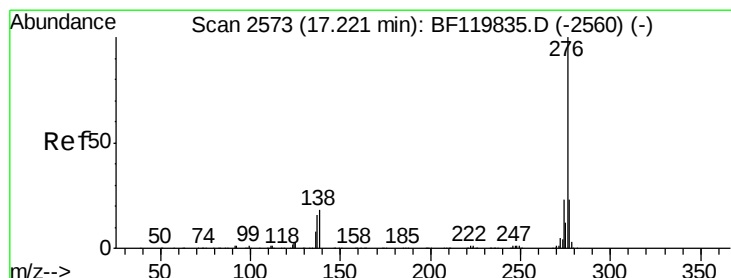
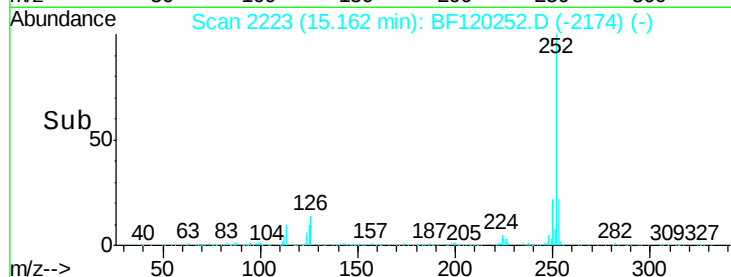
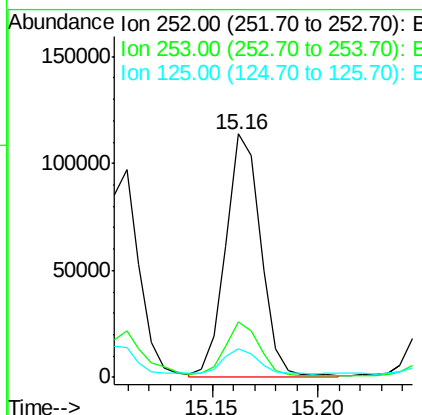
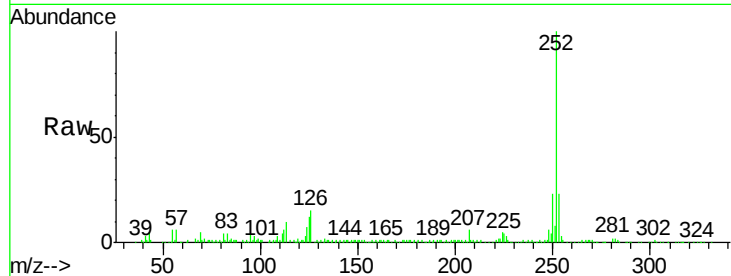




#90
Benzo(a)pyrene
Concen: 6.441 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	11.6	9.4	14.2



#92
Benzo(g,h,i)perylene
Concen: 3.769 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF120252.D
Acq: 30 Apr 2020 21:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.4	27.6
138	20.0	15.4	23.0

