

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120500.D
 Acq On : 2 Jun 2020 17:40
 Operator : JU/CG
 Sample : L2798-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 19:19:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 02 11:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	180260	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	639834	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	303223	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	506167	20.00	ng	0.00
76) Chrysene-d12	14.01	240	400387	20.00	ng	0.00
86) Perylene-d12	15.47	264	368875	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	772296	81.65	ng	0.00
7) Phenol-d6	6.48	99	953029	81.74	ng	0.00
23) Nitrobenzene-d5	7.40	82	592591	60.58	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	233860	83.24	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1114042	62.34	ng	0.00
79) Terphenyl-d14	12.96	244	1052796	58.51	ng	0.00

Target Compounds

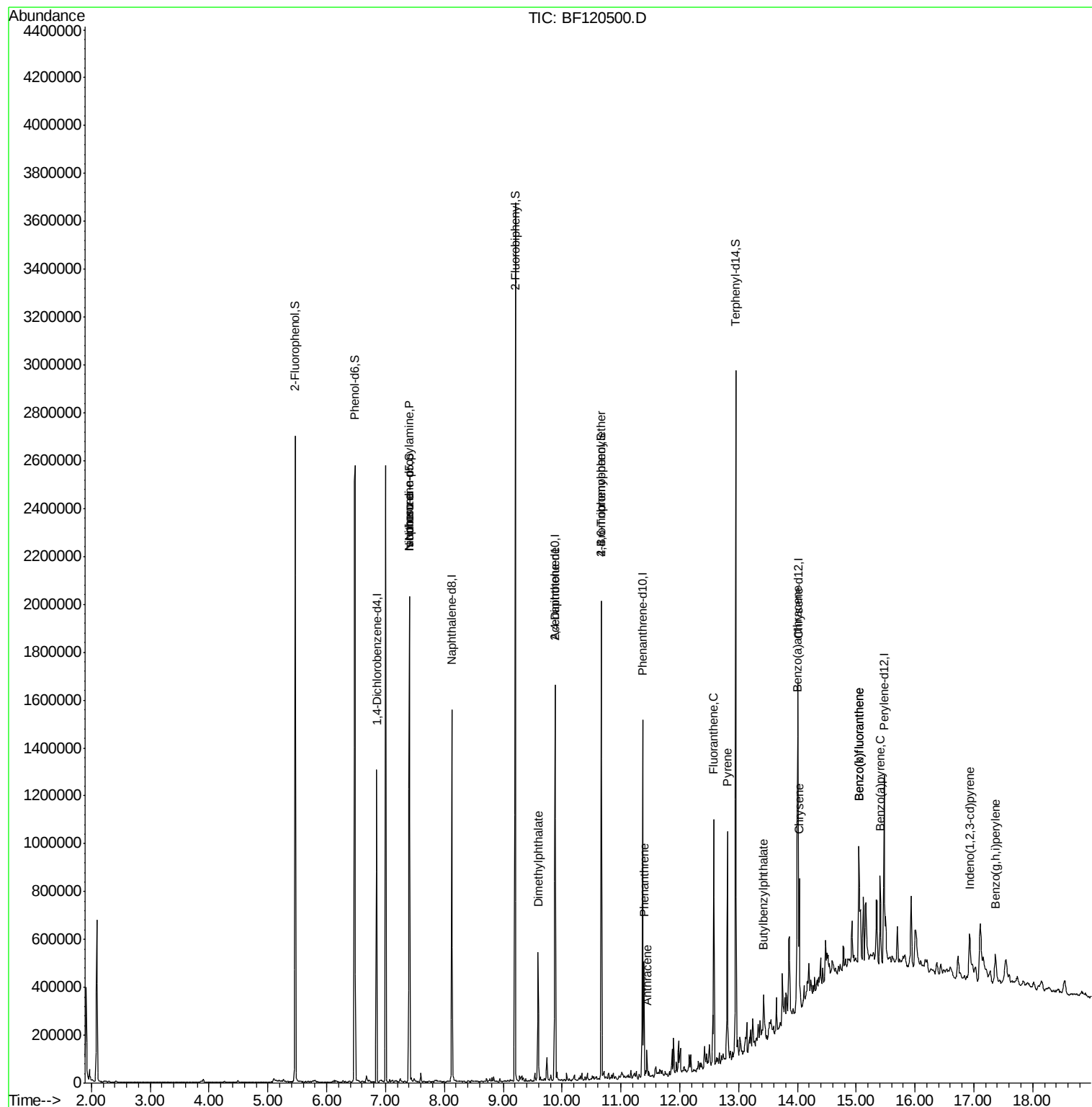
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	76999	10.390	ng	# 79
25) Isophorone	7.40	82	588960	29.958	ng	# 64
50) Dimethylphthalate	9.59	163	181459	9.572	ng	100
57) 2,4-Dinitrotoluene	9.88	165	39909	7.402	ng	# 26
67) 4-Bromophenyl-phenylether	10.67	248	14331	2.805	ng	# 1
71) Phenanthrene	11.39	178	161383	7.236	ng	96
72) Anthracene	11.44	178	45265	2.023	ng	99
75) Fluoranthene	12.58	202	382650	15.945	ng	98
78) Pyrene	12.81	202	375964	13.502	ng	97
80) Butylbenzylphthalate	13.43	149	25050	2.155	ng	96
81) Benzo(a)anthracene	14.00	228	223479	10.414	ng	98
83) Chrysene	14.03	228	210176	9.343	ng	97
87) Indeno(1,2,3-cd)pyrene	16.93	276	111998	5.551	ng	93
88) Benzo(b)fluoranthene	15.04	252	360168	17.579	ng	98
89) Benzo(k)fluoranthene	15.04	252	360168	18.830	ng	# 96
90) Benzo(a)pyrene	15.41	252	181553	10.131	ng	99
92) Benzo(a,h,i)perylene	17.37	276	100895	6.219	ng	97

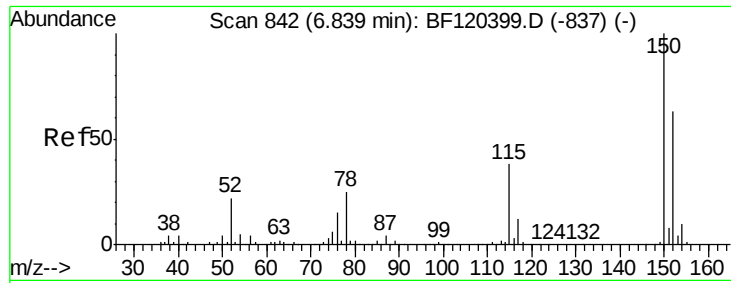
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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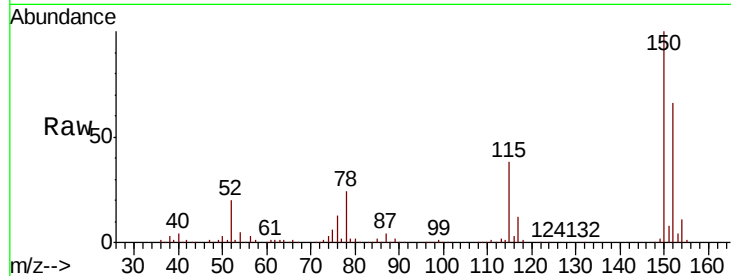




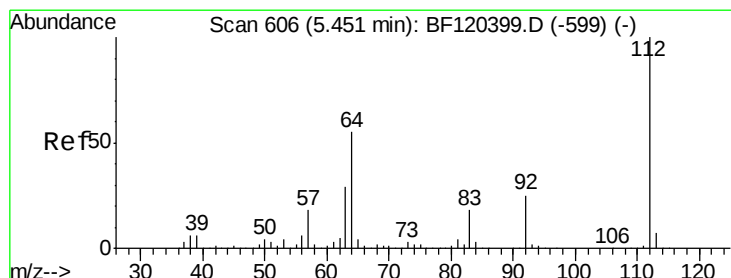
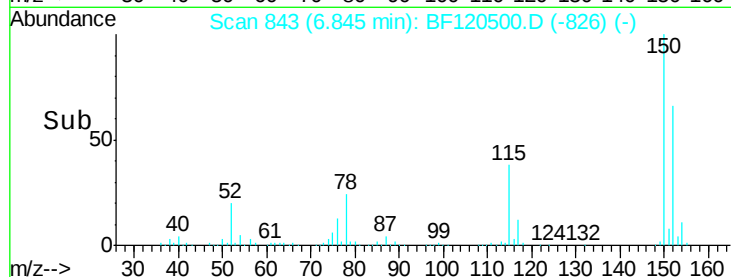
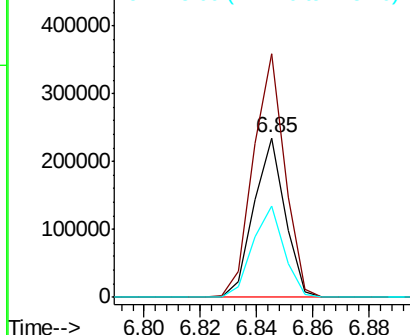
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BF120500.D
 Acq: 2 Jun 2020 17:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 180260
 Ion Ratio Lower Upper
 152 100
 150 152.6 126.7 190.1
 115 57.4 46.2 69.2

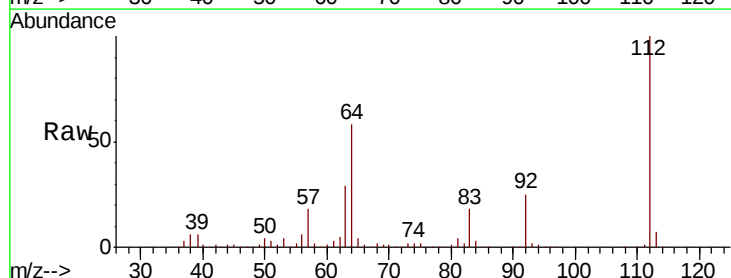


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

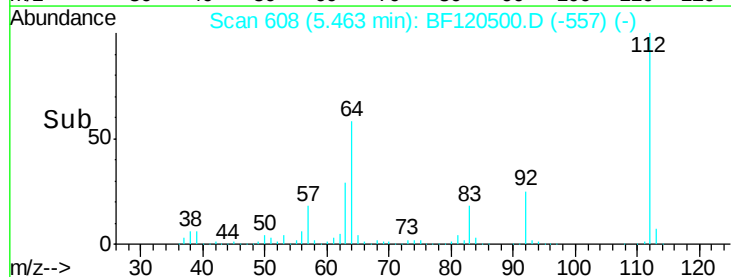
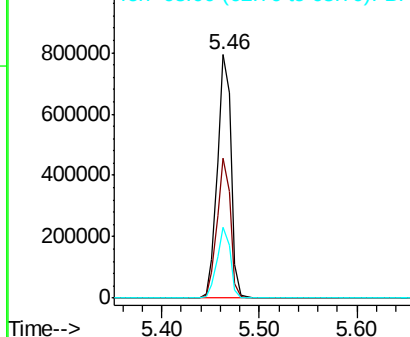


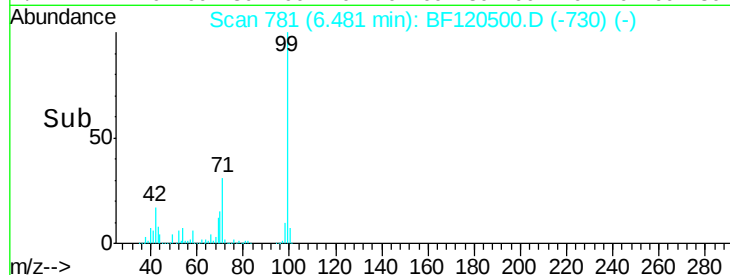
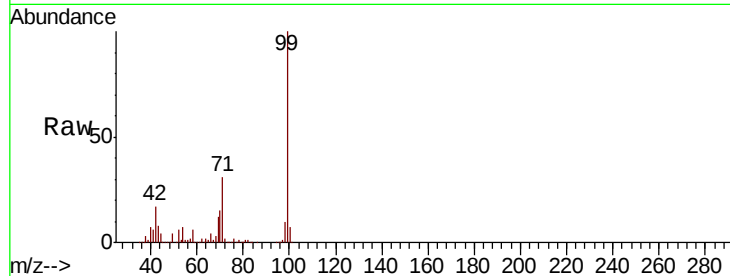
#5
 2-Fluorophenol
 Concen: 81.649 ng
 RT: 5.46 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF120500.D
 Acq: 2 Jun 2020 17:40

Tgt Ion:112 Resp: 772296
 Ion Ratio Lower Upper
 112 100
 64 57.5 46.3 69.5
 63 29.0 24.2 36.2



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: 81.745 ng

RT: 6.48 min Scan# 781

Delta R.T. -0.00 min

Lab File: BF120500.D

Acq: 2 Jun 2020 17:40

Instrument :

BNA_F

ClientSampleId :

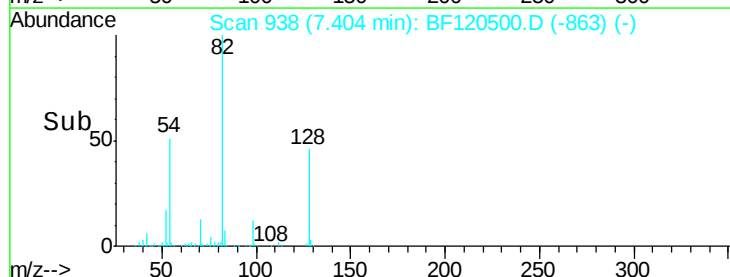
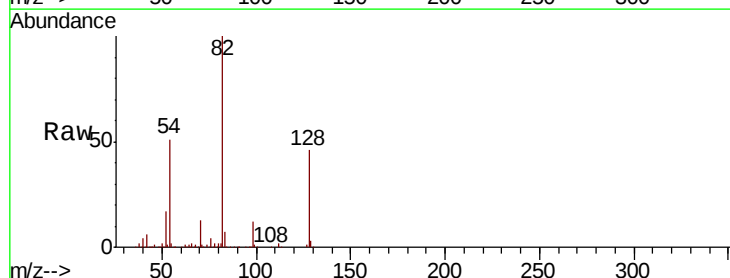
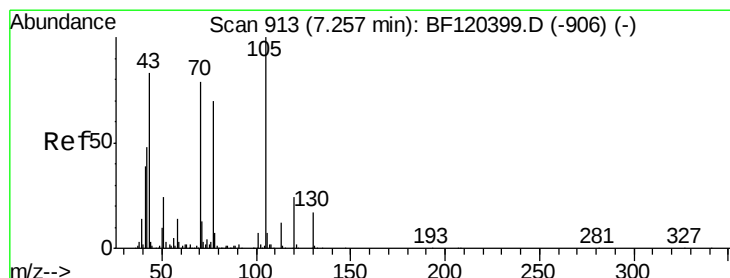
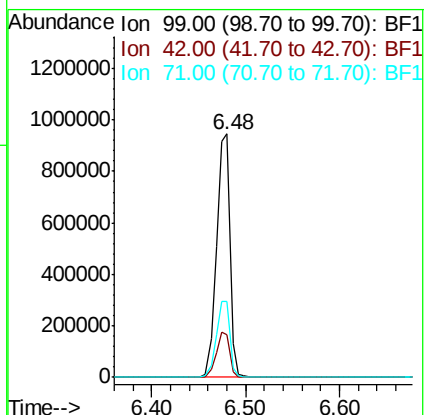
Tot Ion: 99 Resp: 953029

Ion Ratio Lower Upper

99 100

42 17.3 15.1 22.7

71 31.0 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.390 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF120500.D

Acq: 2 Jun 2020 17:40

Tgt Ion: 70 Resp: 76999

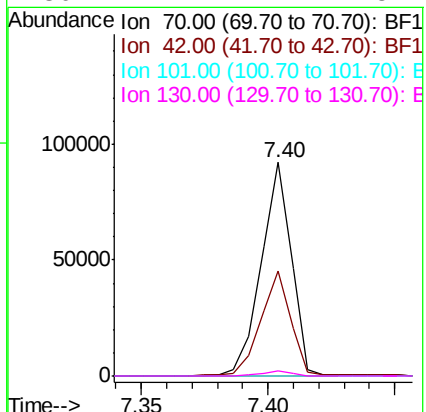
Ion Ratio Lower Upper

70 100

42 49.1 47.4 71.2

101 0.0 7.8 11.6#

130 2.4 17.1 25.7#

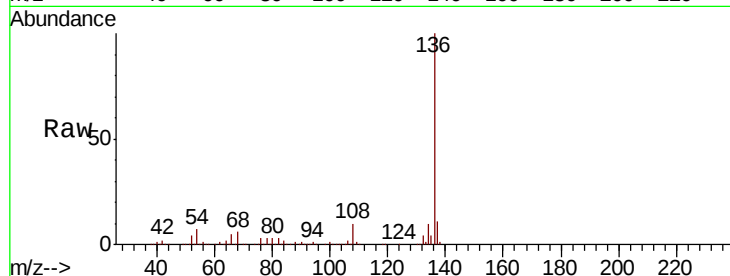




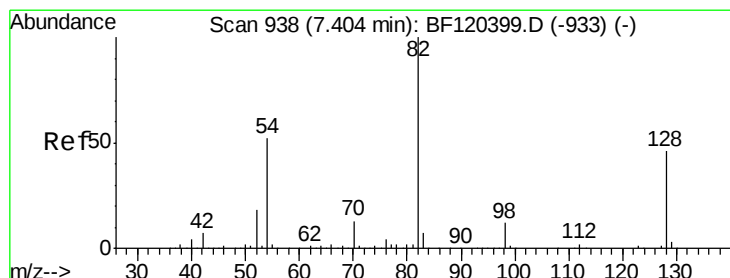
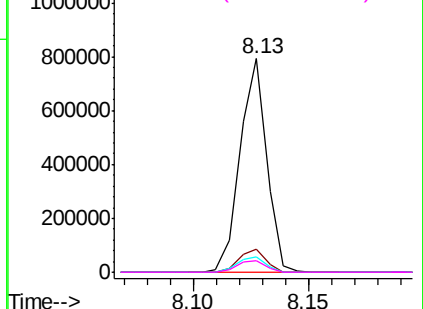
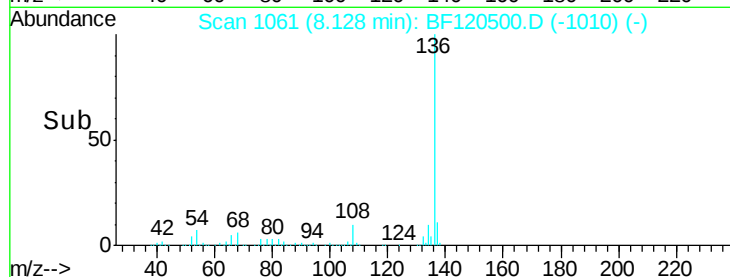
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	639834	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	9.0	13.6	
54 7.4	6.2	9.4	
68 5.6	5.0	7.6	

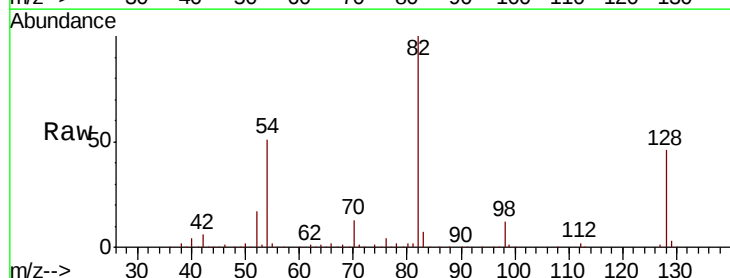


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

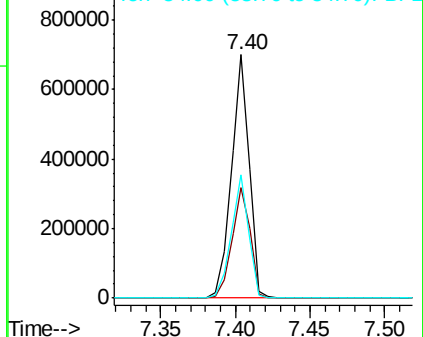
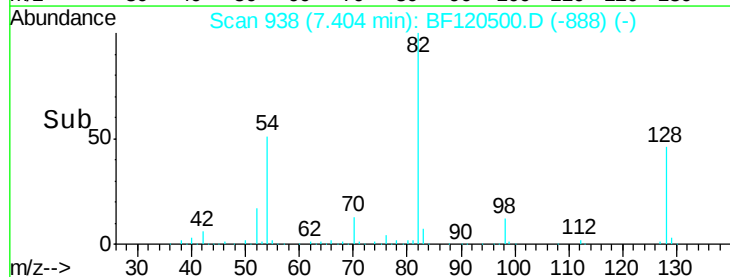


#23
Nitrobenzene-d5
Concen: 60.583 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

Tgt Ion: 82	Resp: 592591
Ion Ratio	Lower Upper
82 100	
128 45.6	37.0 55.6
54 50.7	41.0 61.4



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.958 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120500.D

Acq: 2 Jun 2020 17:40

Instrument :

BNA_F

ClientSampled :

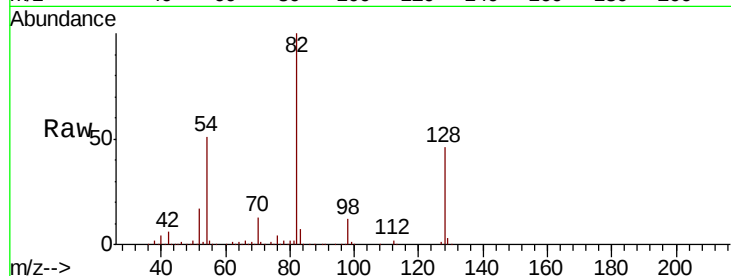
Tot Ion: 82 Resp: 588960

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

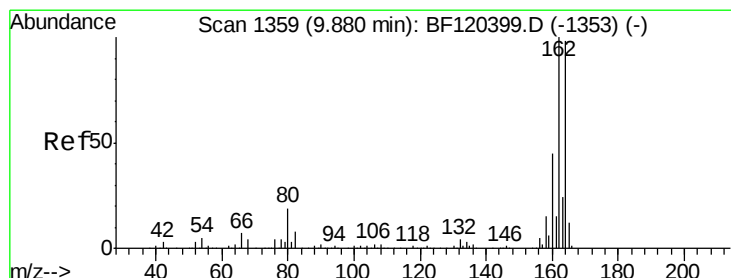
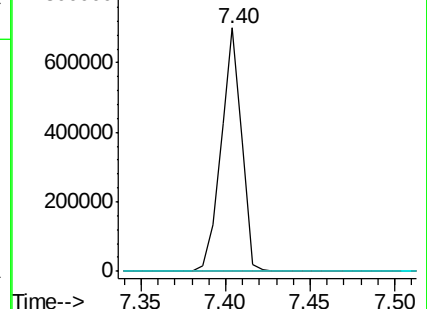
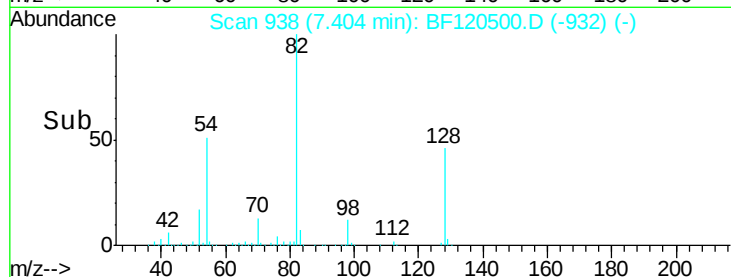
138 0.0 15.0 22.6#



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: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF120500.D

Acq: 2 Jun 2020 17:40

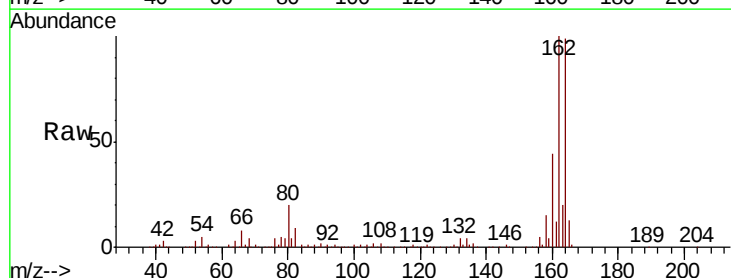
Tgt Ion: 164 Resp: 303223

Ion Ratio Lower Upper

164 100

162 101.4 81.9 122.9

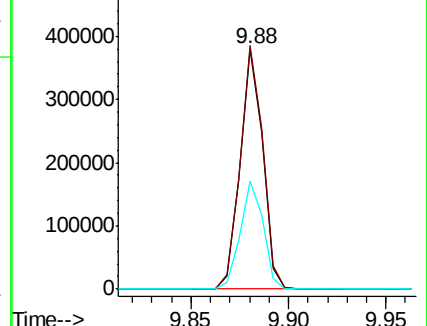
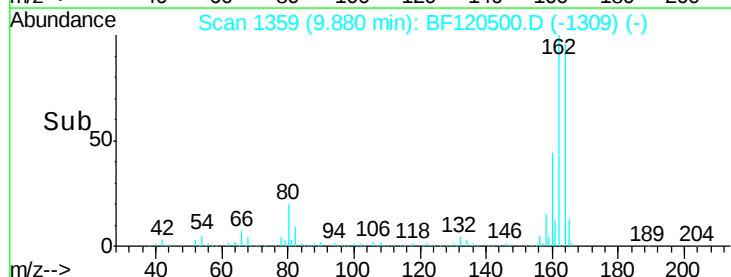
160 44.9 37.4 56.0



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

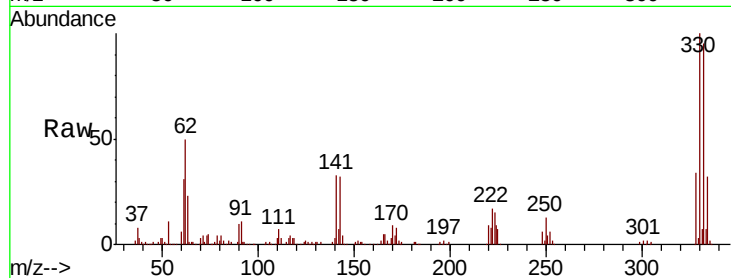




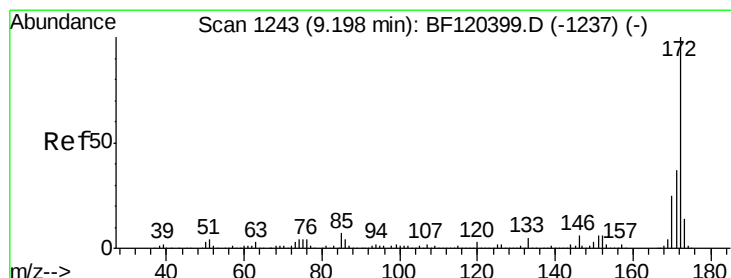
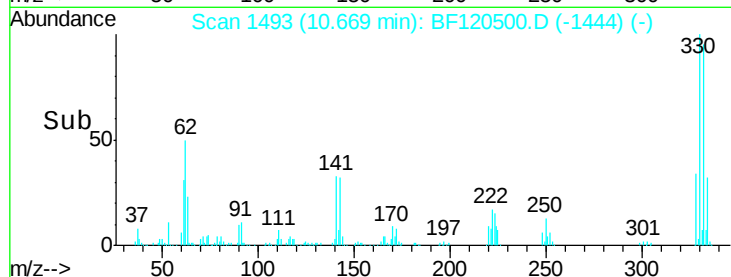
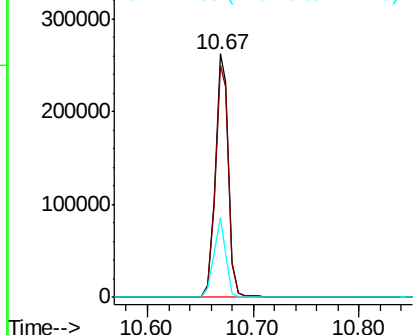
#42
 2,4,6-Tribromophenol
 Concen: 83.239 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: BF120500.D
 Acq: 2 Jun 2020 17:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.8	115.2
141	30.2	23.9	35.9

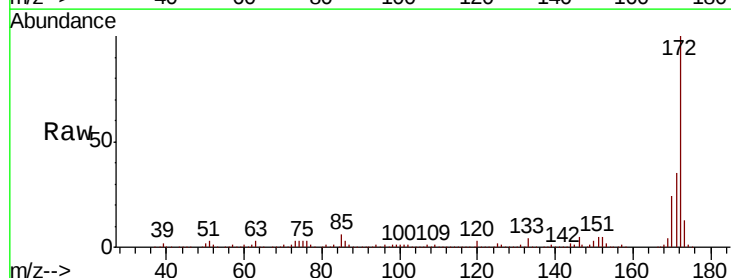


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

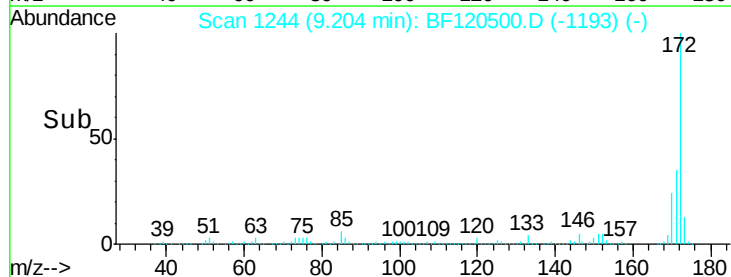
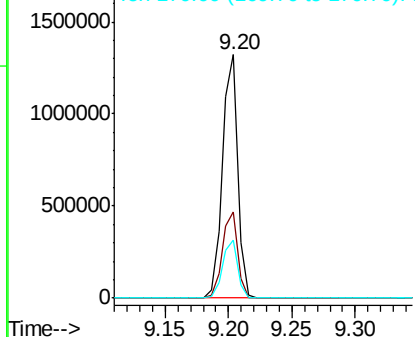


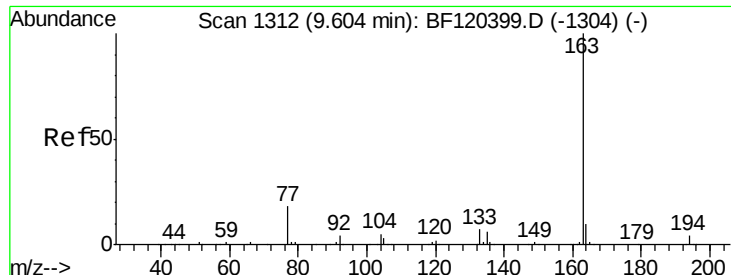
#45
 2-Fluorobiphenyl
 Concen: 62.337 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BF120500.D
 Acq: 2 Jun 2020 17:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.2
170	23.8	19.9	29.9



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

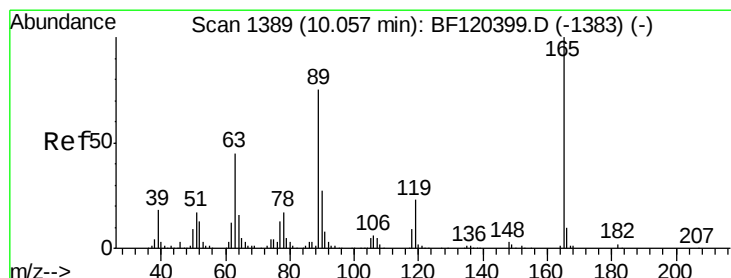
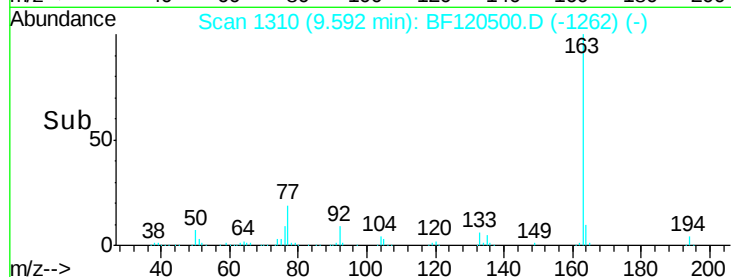
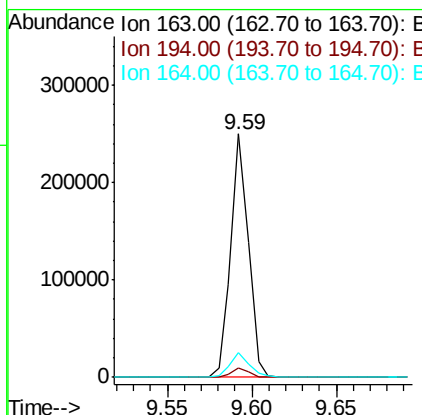
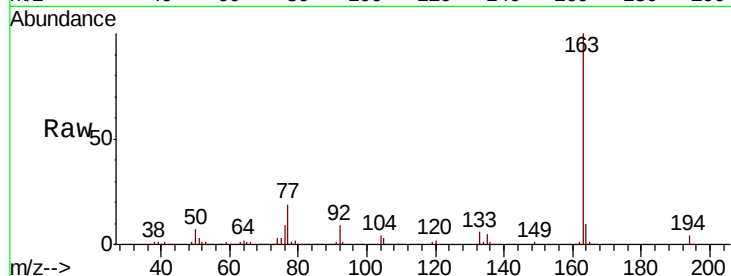




#50
Dimethylphthalate
Concen: 9.572 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

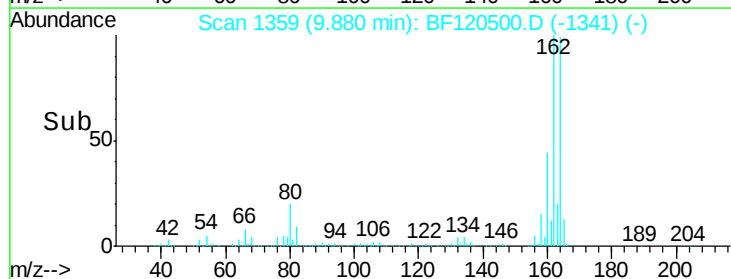
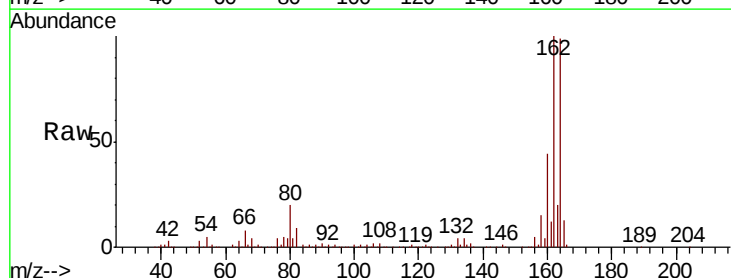
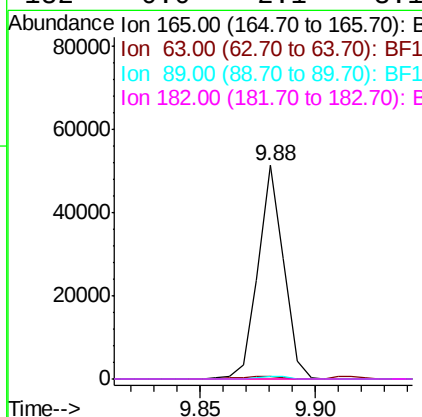
Instrument :
BNA_F
ClientSampleId :

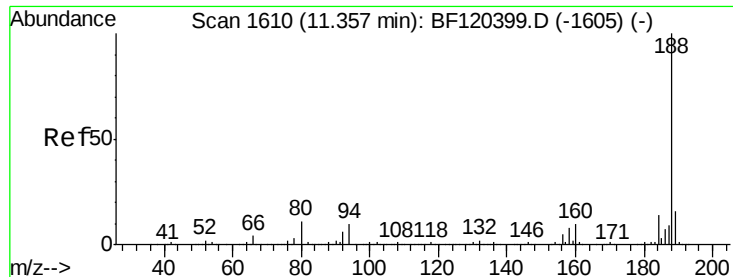
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.3	8.2	12.2



#57
2,4-Dinitrotoluene
Concen: 7.402 ng
RT: 9.88 min Scan# 1359
Delta R.T. -0.19 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	33.1	49.7#
89	1.3	55.0	82.4#
182	0.0	2.1	3.1#

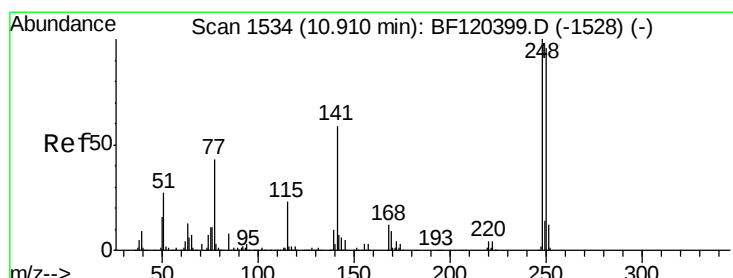
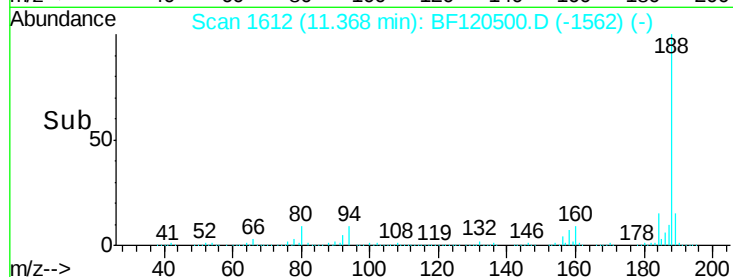
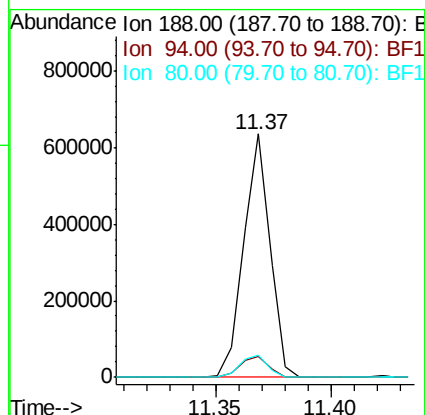
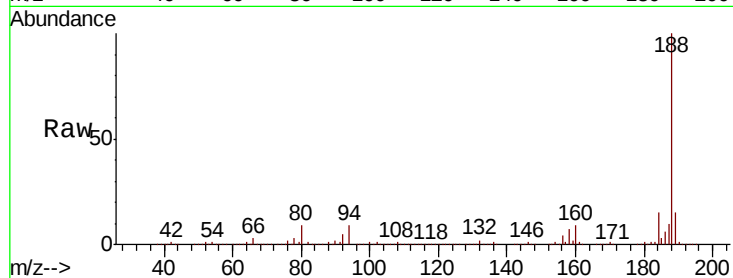




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BF120500.D
 Acq: 2 Jun 2020 17:40

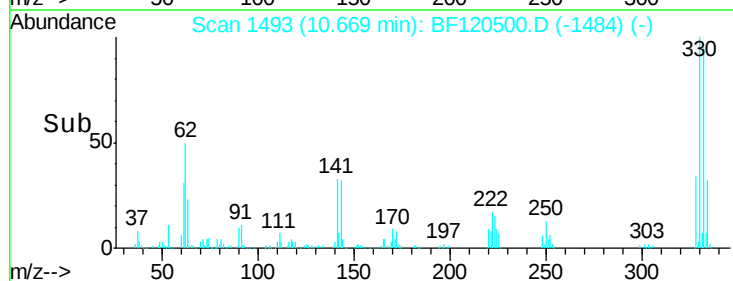
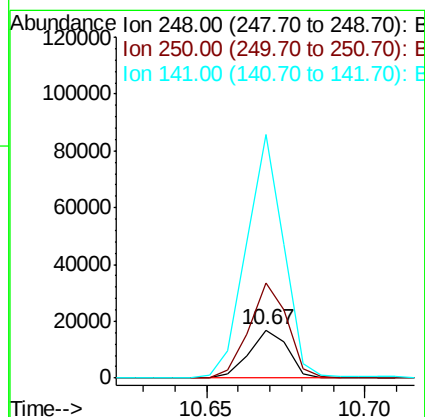
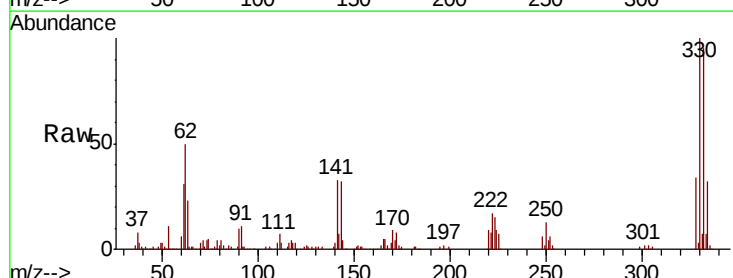
Instrument :
 BNA_F
 ClientSampleId :

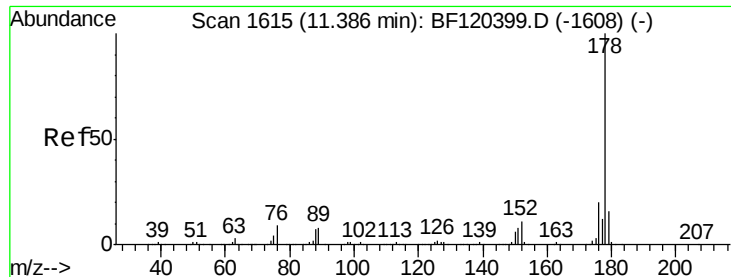
Tot Ion:188 Resp: 506167
 Ion Ratio Lower Upper
 188 100
 94 8.6 6.6 10.0
 80 9.2 7.1 10.7



#67
 4-Bromophenyl-phenylether
 Concen: 2.805 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.25 min
 Lab File: BF120500.D
 Acq: 2 Jun 2020 17:40

Tgt Ion:248 Resp: 14331
 Ion Ratio Lower Upper
 248 100
 250 199.0 77.8 116.6#
 141 509.3 54.8 82.2#





#71

Phenanthrene

Concen: 7.236 ng

RT: 11.39 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF120500.D

Acq: 2 Jun 2020 17:40

Instrument :

BNA_F

ClientSampleId :

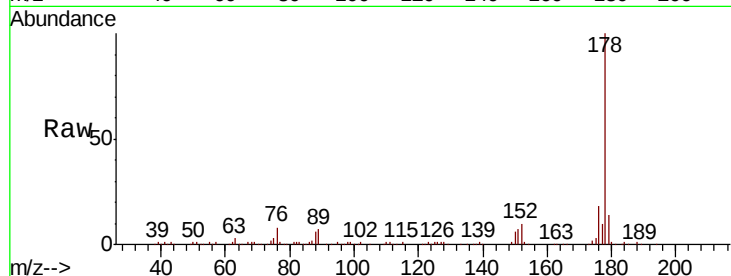
Tot Ion:178 Resp: 161383

Ion Ratio Lower Upper

178 100

176 17.9 16.2 24.2

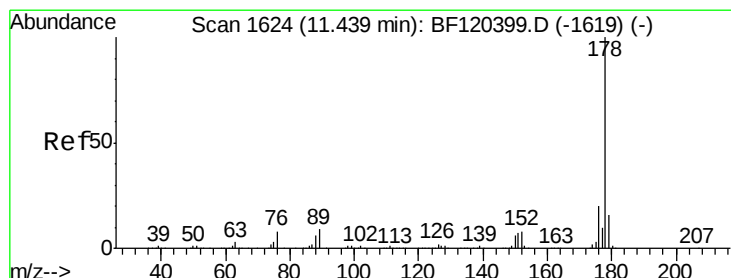
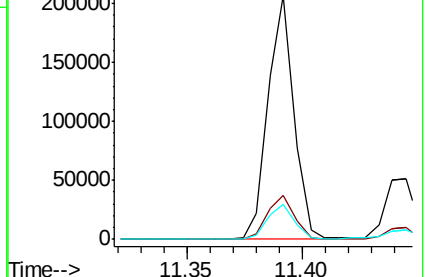
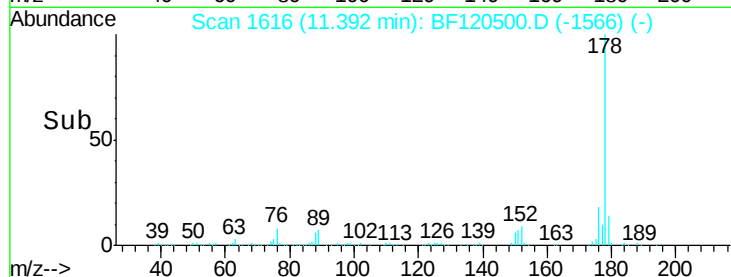
179 14.4 12.8 19.2



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



#72

Anthracene

Concen: 2.023 ng

RT: 11.44 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BF120500.D

Acq: 2 Jun 2020 17:40

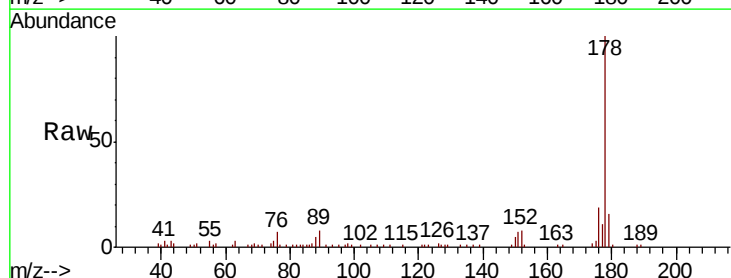
Tgt Ion:178 Resp: 45265

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

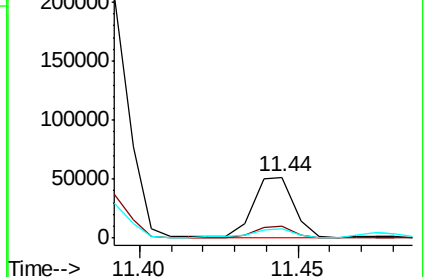
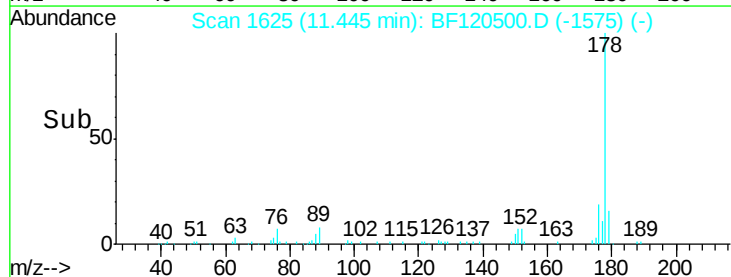
179 16.0 12.7 19.1

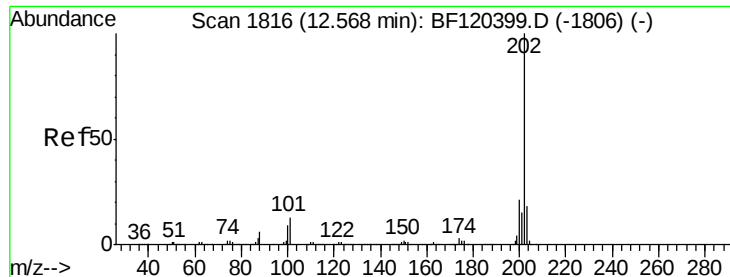


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 15.945 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF120500.D

Acq: 2 Jun 2020 17:40

Instrument :

BNA_F

ClientSampleId :

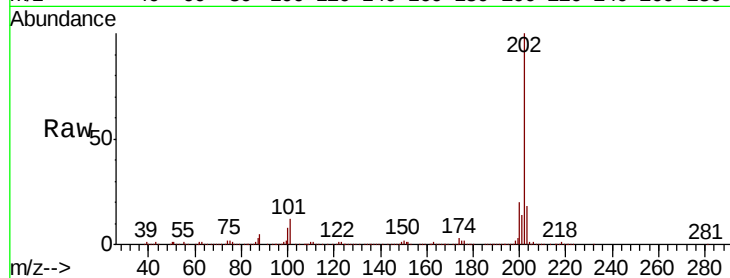
Tot Ion:202 Resp: 382650

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.4

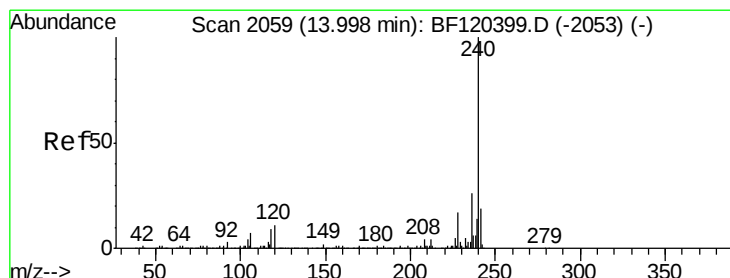
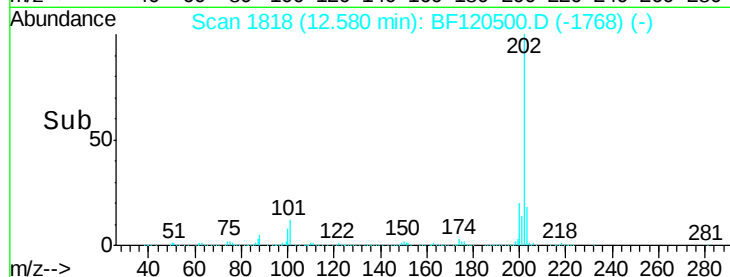
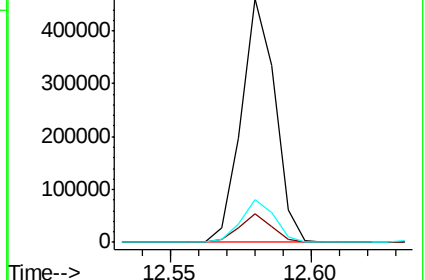
203 17.7 0.0 38.8



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: 14.01 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BF120500.D

Acq: 2 Jun 2020 17:40

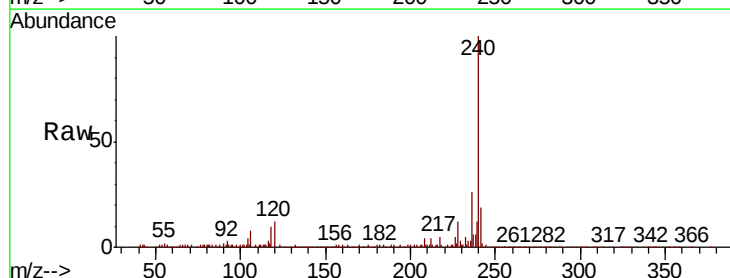
Tgt Ion:240 Resp: 400387

Ion Ratio Lower Upper

240 100

120 11.6 9.9 14.9

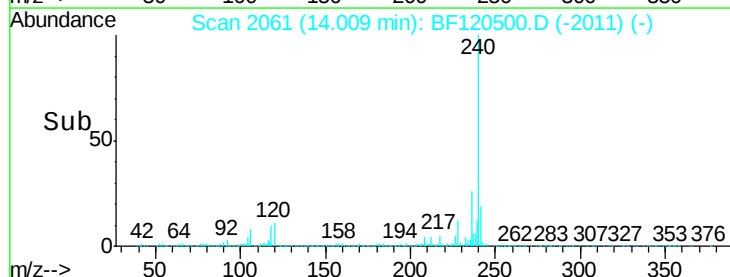
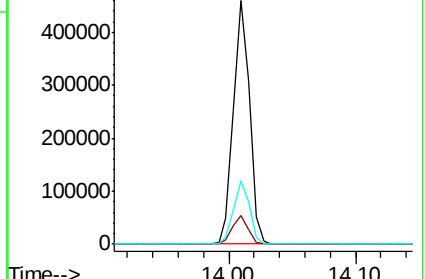
236 25.9 21.0 31.6

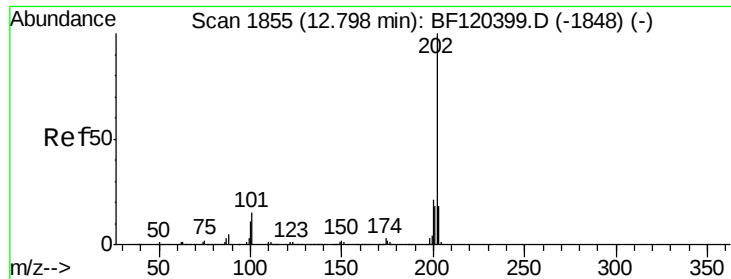


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

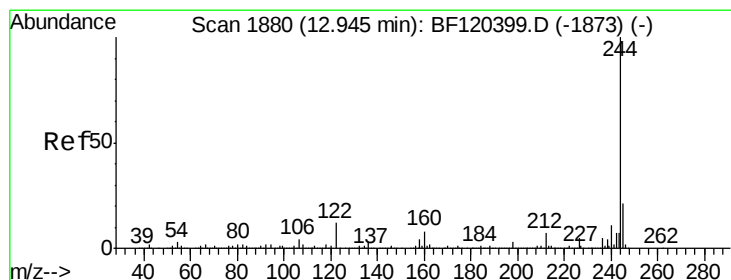
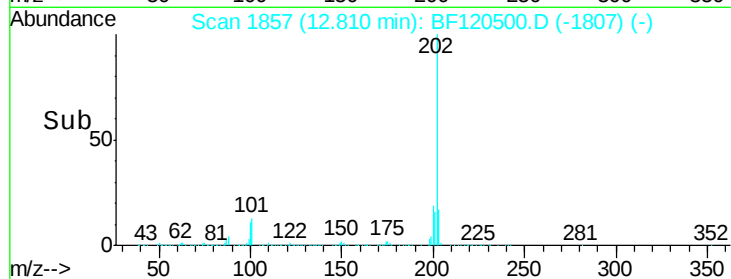
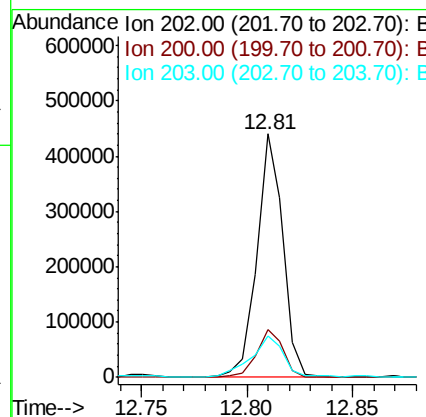
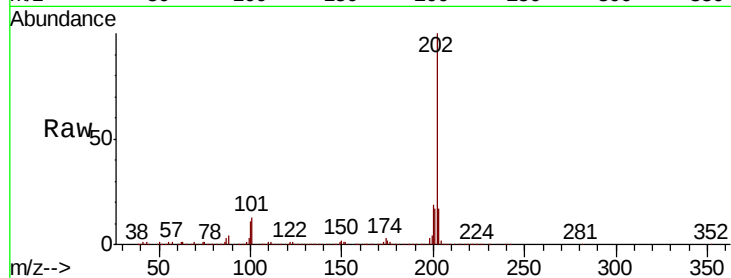




#78
Pvrene
Concen: 13.502 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

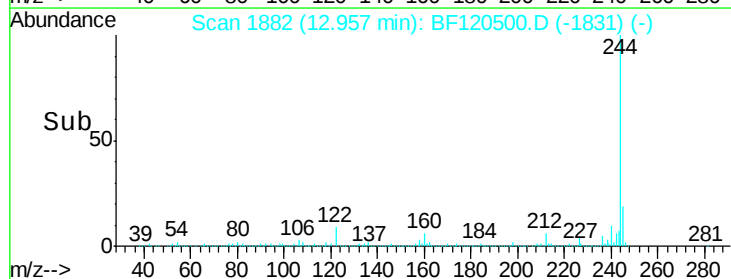
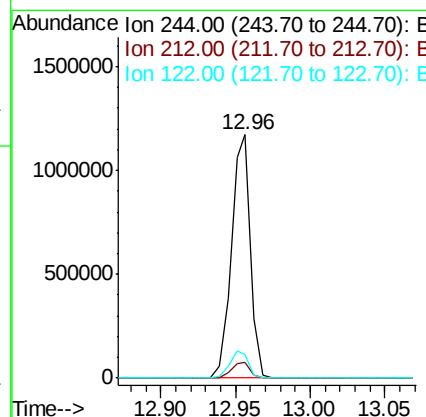
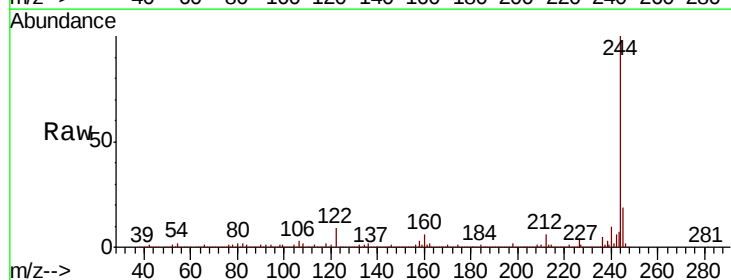
Instrument :
BNA_F
ClientSampleId :

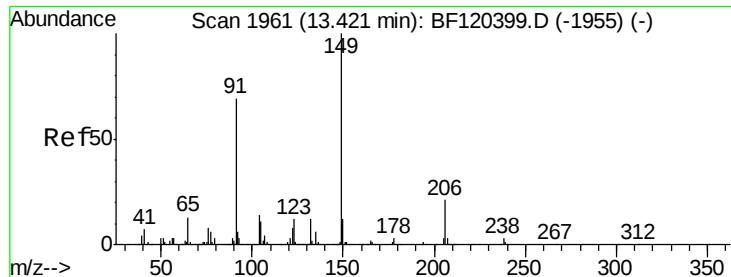
Tot Ion:202 Resp: 375964
Ion Ratio Lower Upper
202 100
200 19.4 17.0 25.6
203 17.2 14.6 22.0



#79
Terphenyl-d14
Concen: 58.511 ng
RT: 12.96 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

Tgt Ion:244 Resp: 1052796
Ion Ratio Lower Upper
244 100
212 6.4 5.8 8.8
122 9.5 8.7 13.1

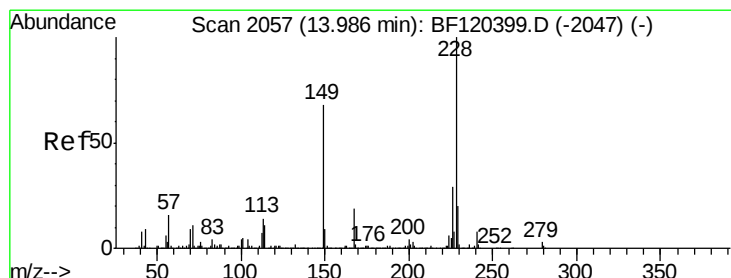
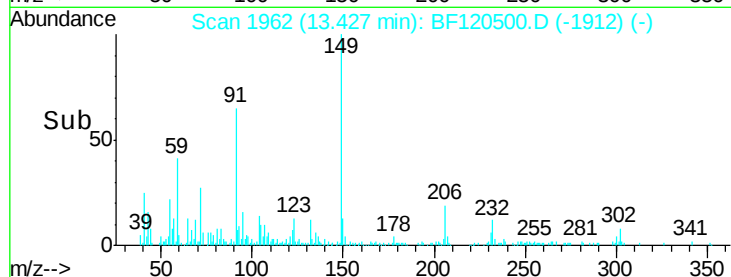
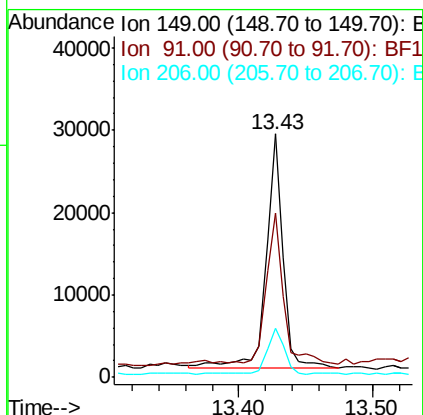
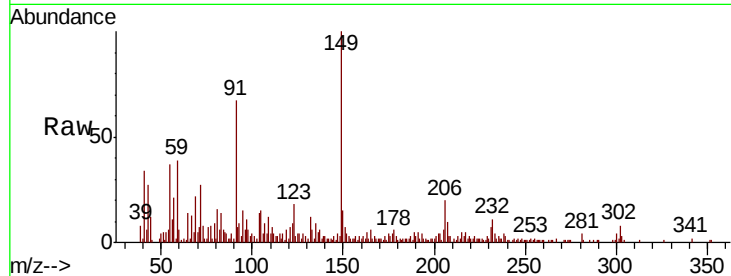




#80
Butylbenzylphthalate
Concen: 2.155 ng
RT: 13.43 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

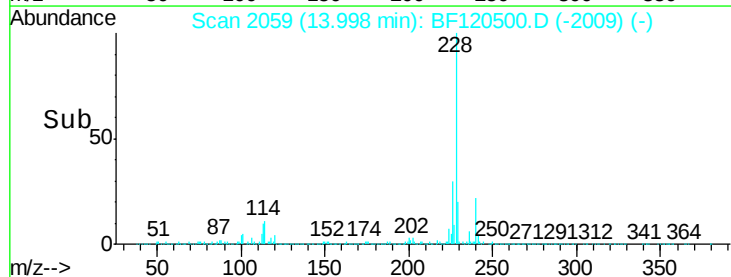
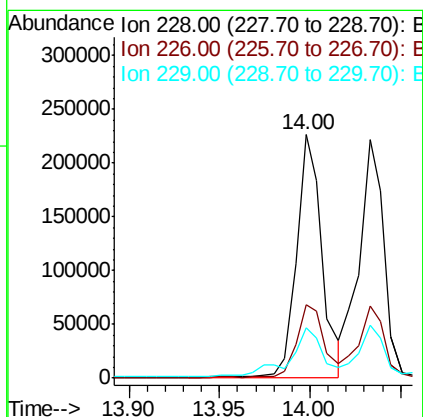
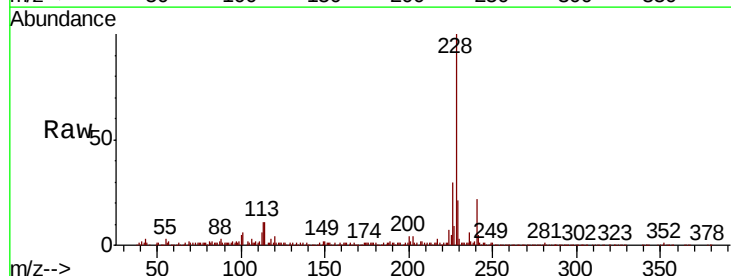
Instrument :
BNA_F
ClientSampleId :

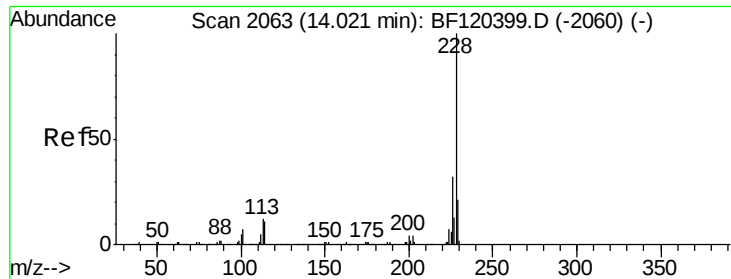
Tot Ion:149 Resp: 25050
Ion Ratio Lower Upper
149 100
91 67.5 52.2 78.2
206 19.9 18.0 27.0



#81
Benzo(a)anthracene
Concen: 10.414 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

Tgt Ion:228 Resp: 223479
Ion Ratio Lower Upper
228 100
226 30.4 22.9 34.3
229 20.7 16.3 24.5

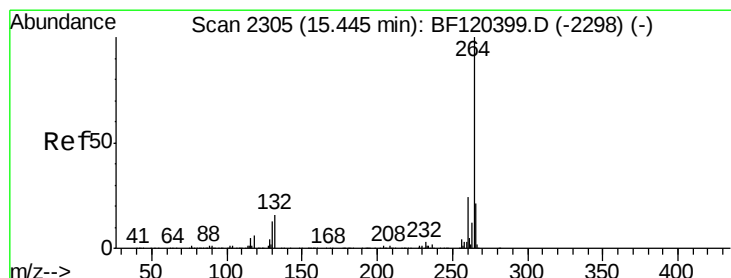
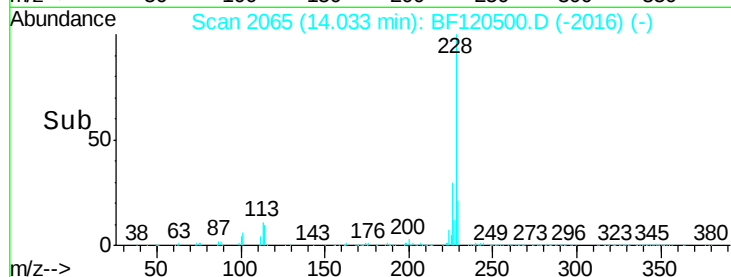
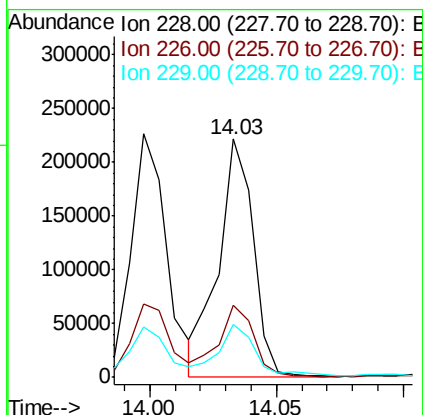
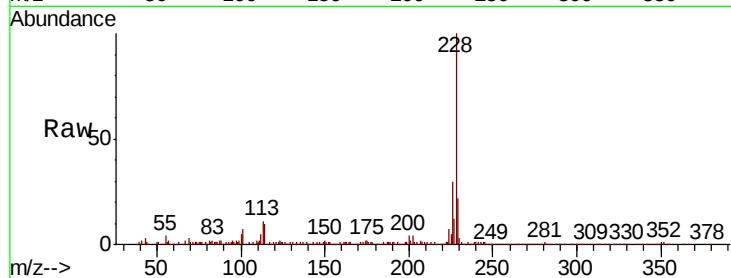




#83
Chrysene
Concen: 9.343 ng
RT: 14.03 min Scan# 2065
Delta R.T. -0.01 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

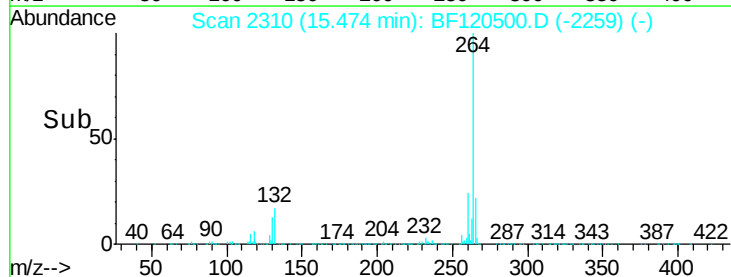
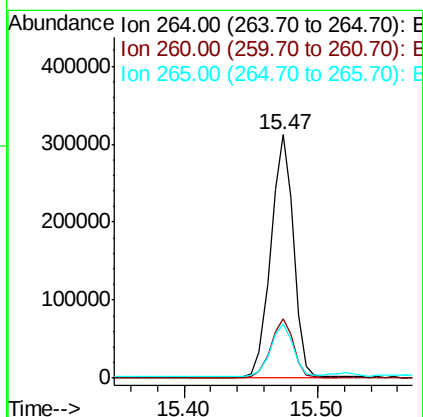
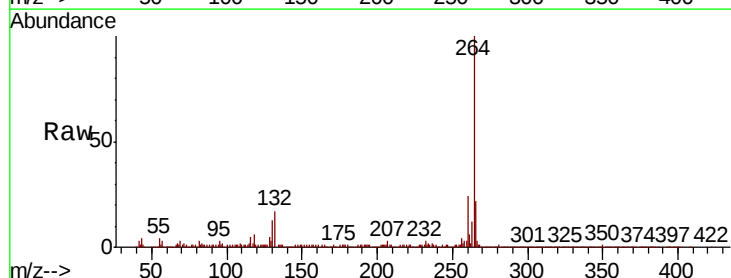
Instrument :
BNA_F
ClientSampleId :

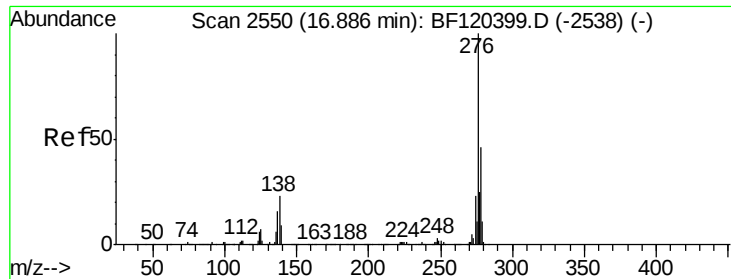
Tot Ion:228 Resp: 210176
Ion Ratio Lower Upper
228 100
226 30.2 25.7 38.5
229 21.9 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2310
Delta R.T. -0.00 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

Tgt Ion:264 Resp: 368875
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.1 17.6 26.4

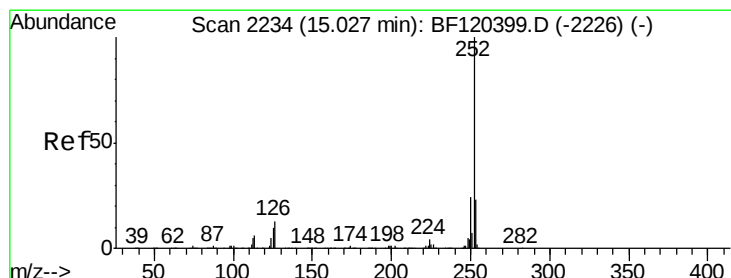
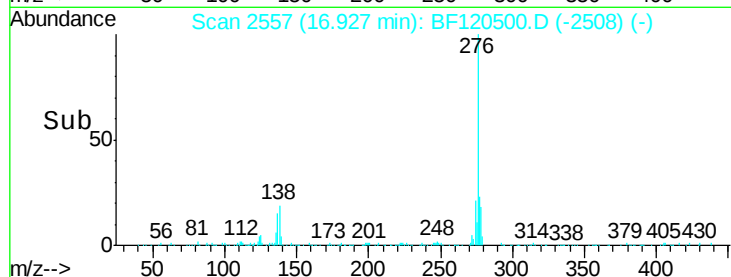
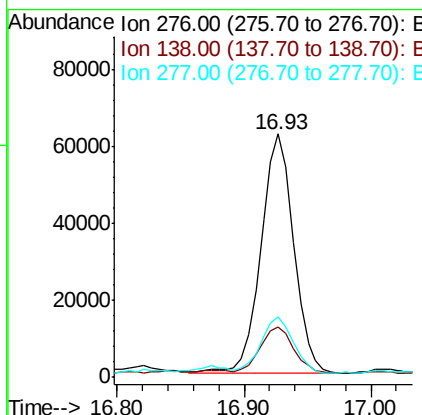
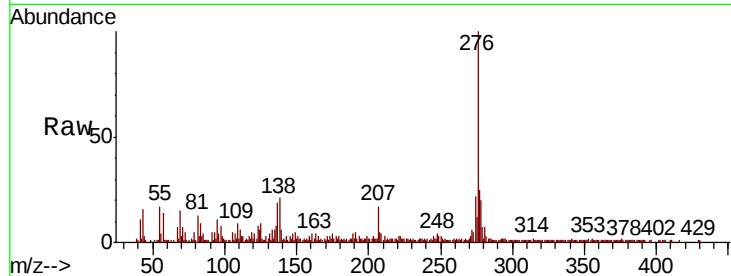




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.551 ng
 RT: 16.93 min Scan# 2557
 Delta R.T. -0.01 min
 Lab File: BF120500.D
 Acq: 2 Jun 2020 17:40

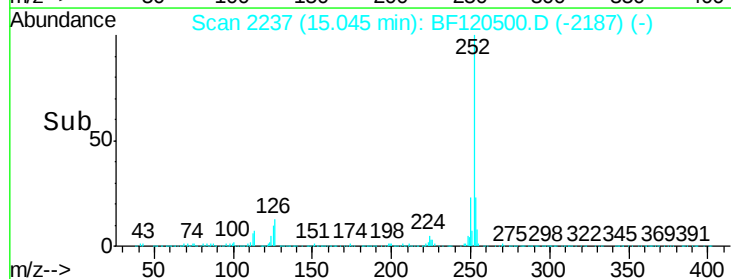
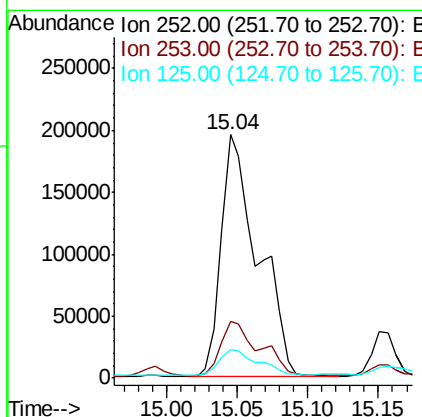
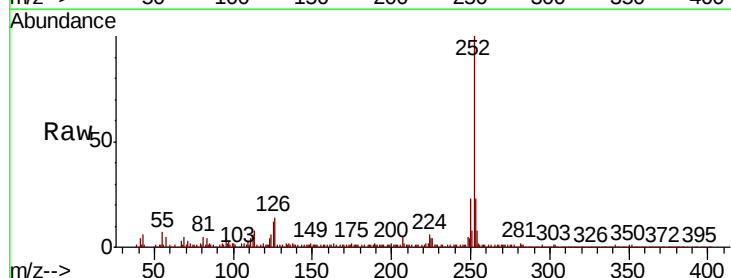
Instrument :
 BNA_F
 ClientSampleId :

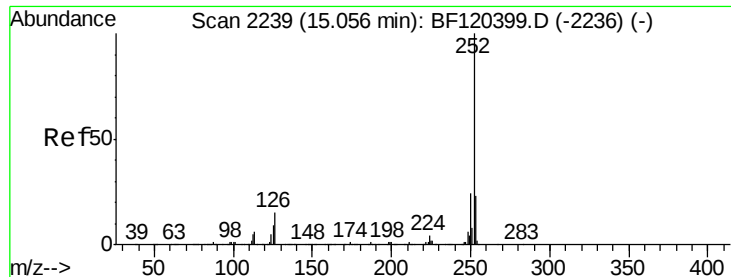
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.3	28.9
277	23.6	20.7	31.1



#88
 Benzo(b)fluoranthene
 Concen: 17.579 ng
 RT: 15.04 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF120500.D
 Acq: 2 Jun 2020 17:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	11.5	8.2	12.4

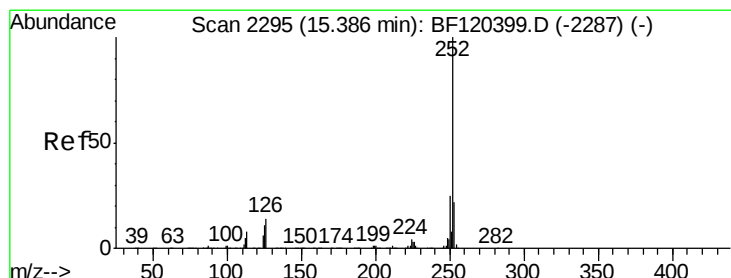
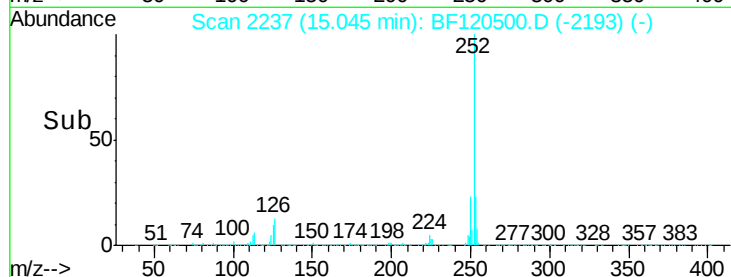
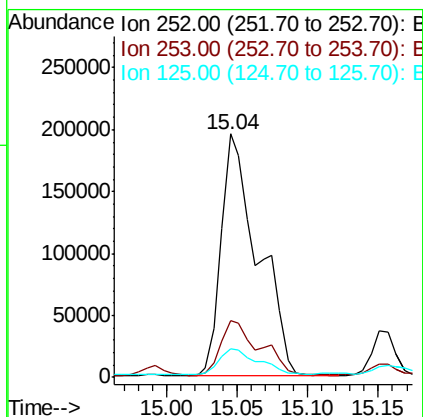
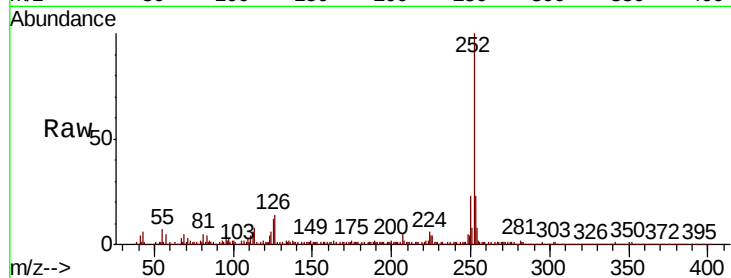




#89
Benzo(k)fluoranthene
Concen: 18.830 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

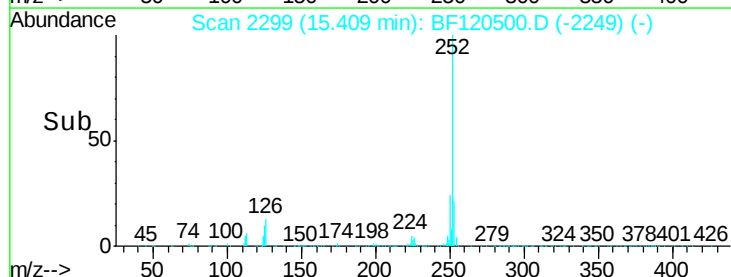
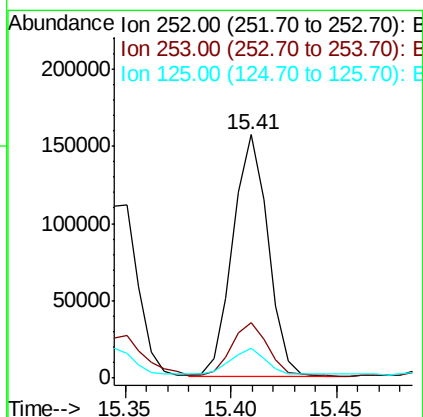
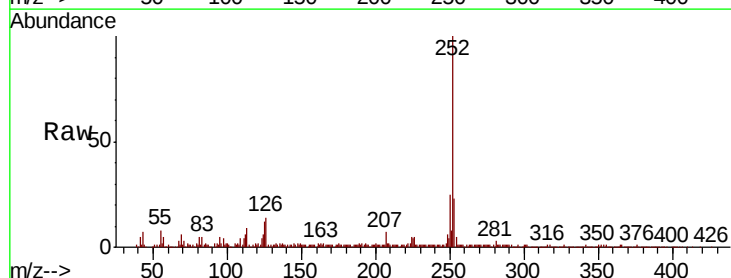
Instrument :
BNA_F
ClientSampleId :

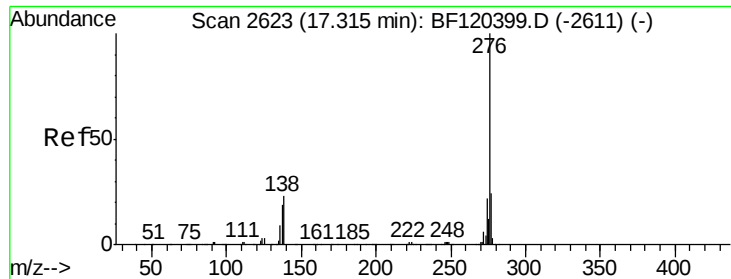
Tot Ion:252 Resp: 360168
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 11.5 7.1 10.7#



#90
Benzo(a)pyrene
Concen: 10.131 ng
RT: 15.41 min Scan# 2299
Delta R.T. -0.01 min
Lab File: BF120500.D
Acq: 2 Jun 2020 17:40

Tgt Ion:252 Resp: 181553
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 12.2 9.0 13.4

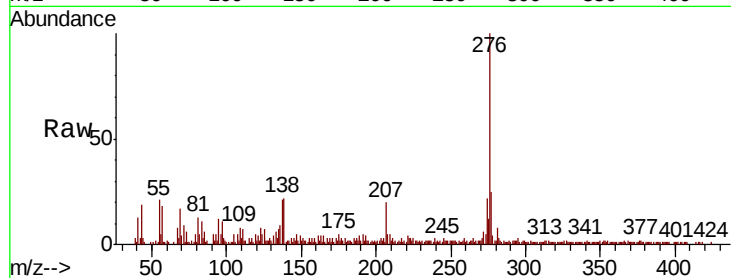




#92
 Benzo(a,h,i)perylene
 Concen: 6.219 ng
 RT: 17.37 min Scan# 2632
 Delta R.T. -0.01 min
 Lab File: BF120500.D
 Acq: 2 Jun 2020 17:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.8	28.2
138	22.3	16.8	25.2



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

