

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120451.D
 Acq On : 29 May 2020 20:45
 Operator : MA/SJ
 Sample : L2773-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 30 00:40:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	294227	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1073070	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	504961	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	796694	20.00	ng	0.00
76) Chrysene-d12	13.99	240	557127	20.00	ng	0.00
86) Perylene-d12	15.44	264	583589	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1271215	82.34	ng	0.00
7) Phenol-d6	6.46	99	1703992	89.54	ng	0.00
23) Nitrobenzene-d5	7.40	82	1189661	72.52	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	441414	94.35	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2110622	70.92	ng	0.00
79) Terphenyl-d14	12.94	244	1749262	69.87	ng	0.00

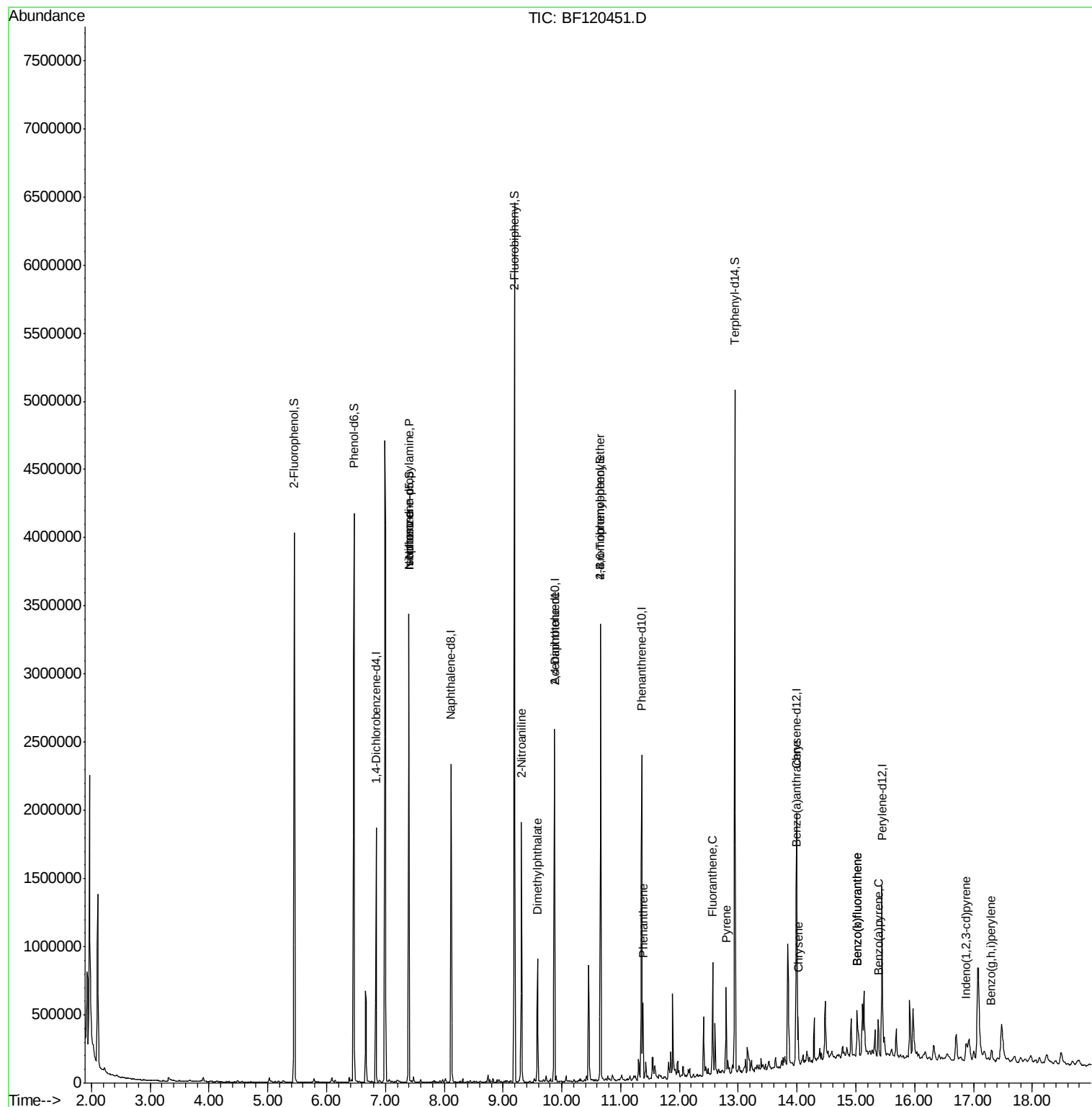
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	160880	13.300	ng	# 78
25) Isophorone	7.40	82	1186979	36.001	ng	# 64
48) 2-Nitroaniline	9.32	65	18650	2.242	ng	# 13
50) Dimethylphthalate	9.59	163	306513	9.709	ng	98
57) 2,4-Dinitrotoluene	9.87	165	66452	7.401	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	26620	3.310	ng	# 1
71) Phenanthrene	11.38	178	184427	5.254	ng	96
75) Fluoranthene	12.57	202	311666	8.251	ng	96
78) Pyrene	12.80	202	271760	7.014	ng	97
81) Benzo(a)anthracene	13.98	228	146085	4.892	ng	98
83) Chrysene	14.02	228	133686	4.271	ng	95
87) Indeno(1,2,3-cd)pyrene	16.87	276	80263	2.515	ng	# 93
88) Benzo(b)fluoranthene	15.02	252	248543	7.668	ng	99
89) Benzo(k)fluoranthene	15.02	252	248543	8.213	ng	98
90) Benzo(a)pyrene	15.38	252	126816	4.473	ng	99
92) Benzo(g,h,i)perylene	17.30	276	73263	2.854	ng	96

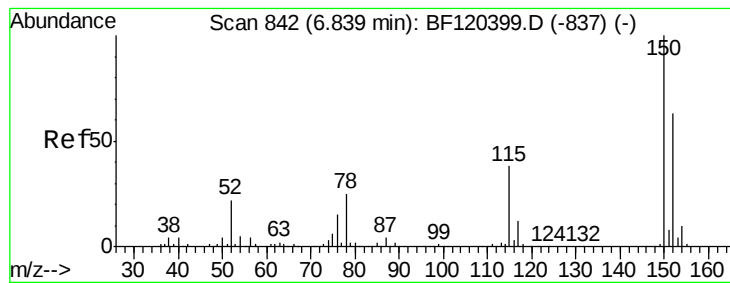
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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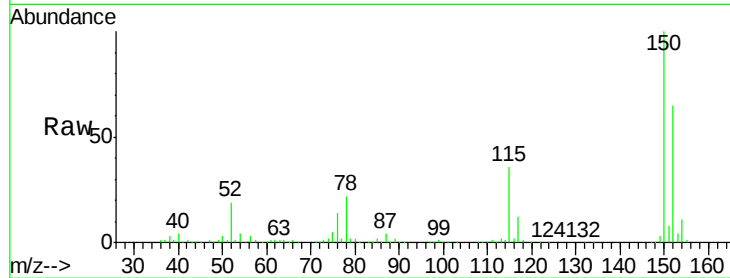


#1

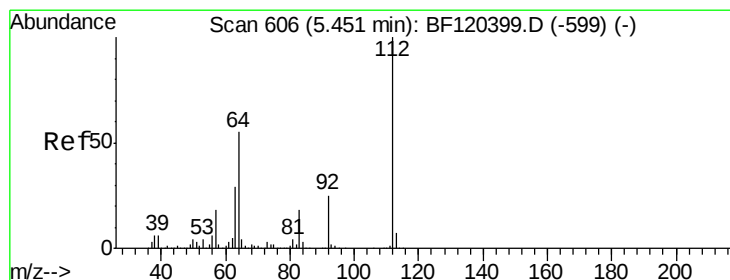
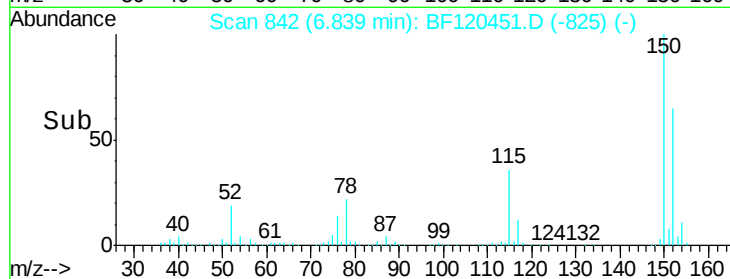
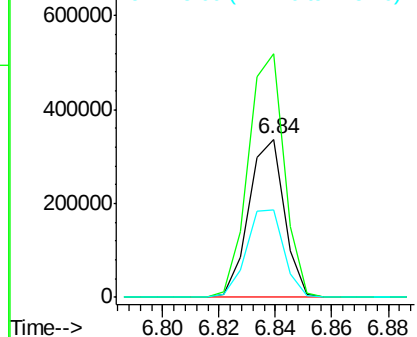
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120451.D
Acq: 29 May 2020 20:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 294227
Ion Ratio Lower Upper
152 100
150 154.2 126.5 189.7
115 55.6 47.6 71.4



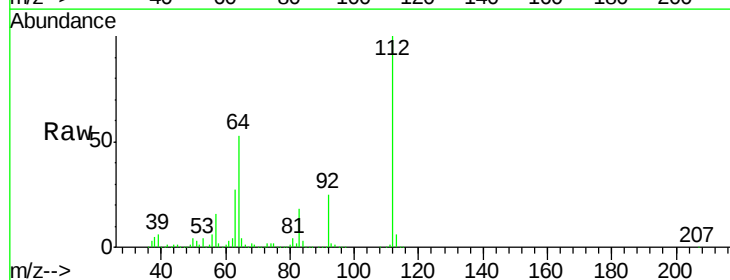
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



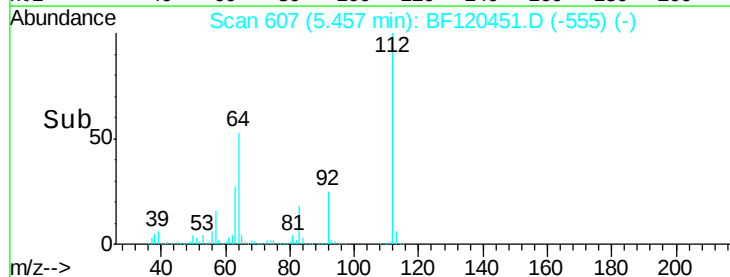
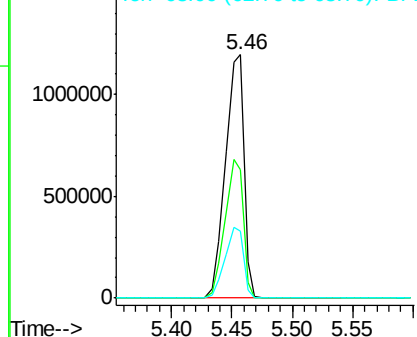
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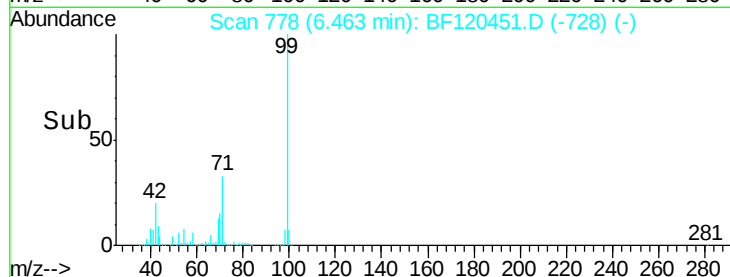
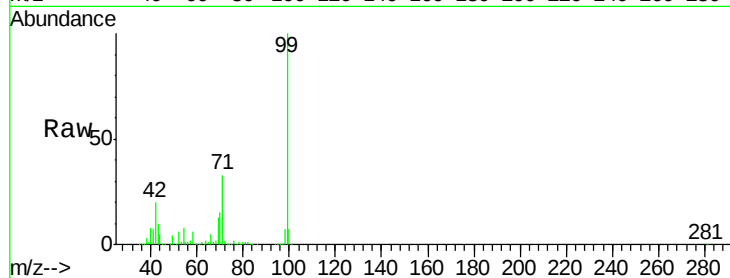
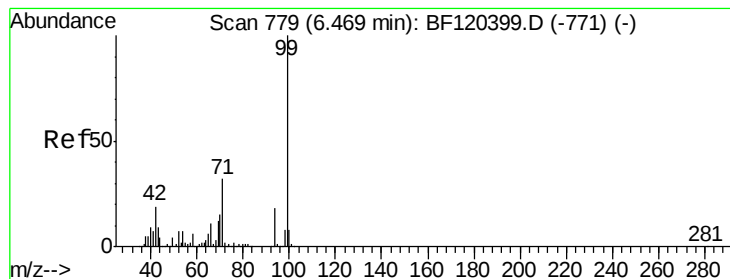
2-Fluorophenol
Concen: 82.338 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120451.D
Acq: 29 May 2020 20:45

Tgt Ion:112 Resp: 1271215
Ion Ratio Lower Upper
112 100
64 53.0 44.3 66.5
63 27.4 22.9 34.3



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: 89.544 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

Instrument :

BNA_F

ClientSampleId :

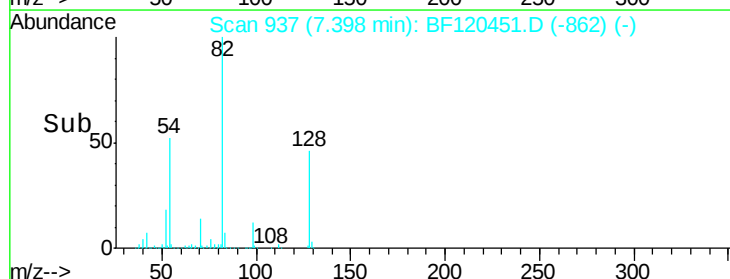
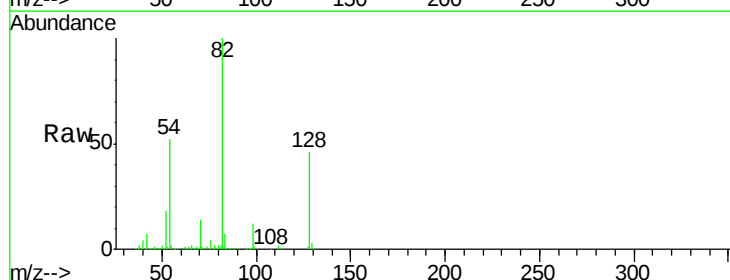
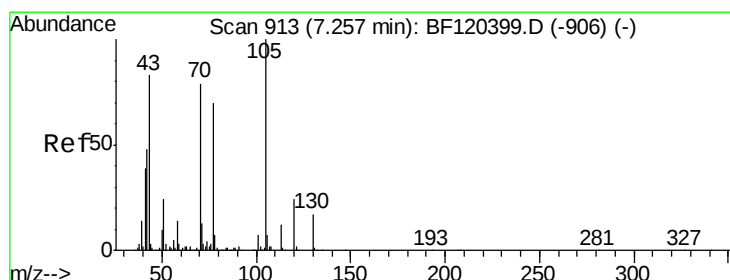
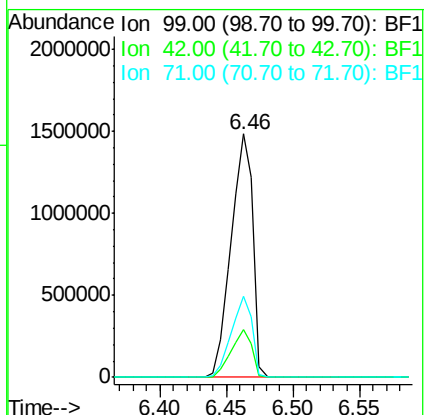
Tot Ion: 99 Resp: 1703992

Ion Ratio Lower Upper

99 100

42 19.6 15.2 22.8

71 33.2 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.300 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

Tgt Ion: 70 Resp: 160880

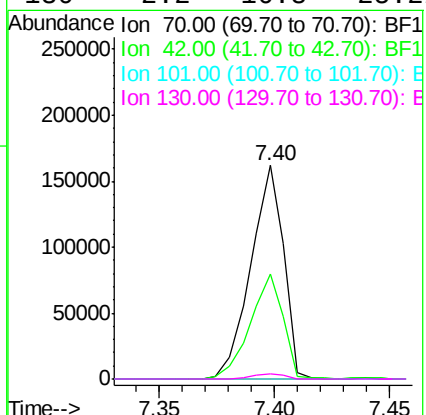
Ion Ratio Lower Upper

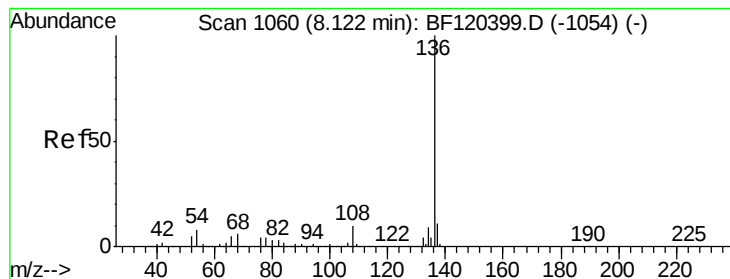
70 100

42 49.0 48.9 73.3

101 0.0 7.4 11.2#

130 2.2 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1073070

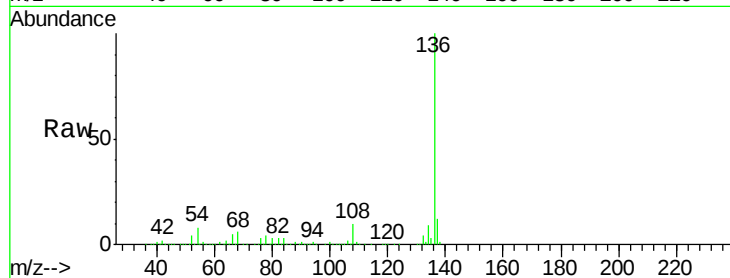
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 8.4 6.7 10.1

68 6.4 5.0 7.4

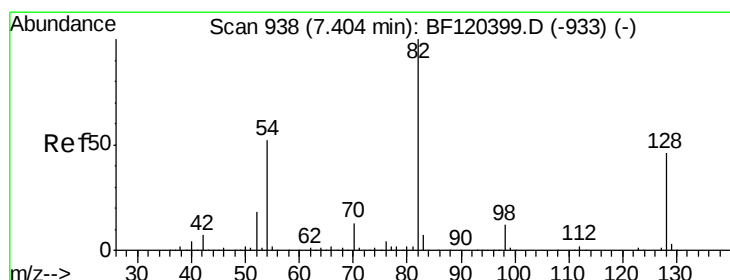
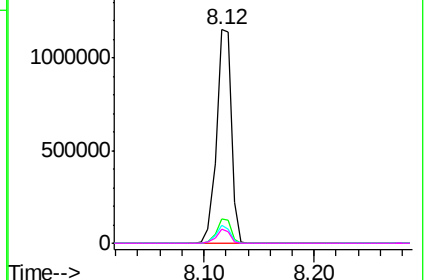
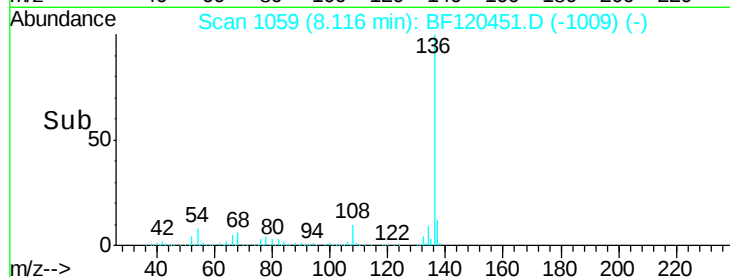


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.520 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

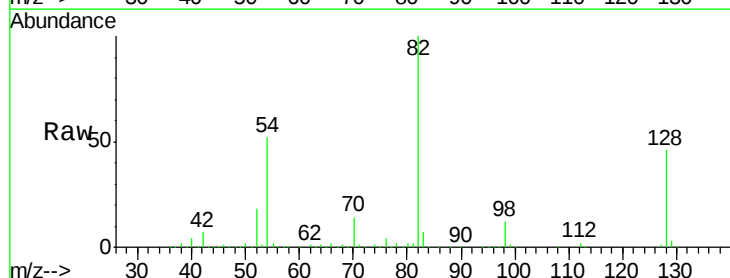
Tgt Ion: 82 Resp: 1189661

Ion Ratio Lower Upper

82 100

128 46.3 36.8 55.2

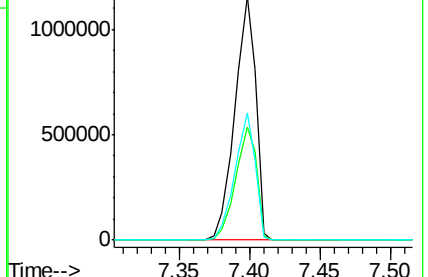
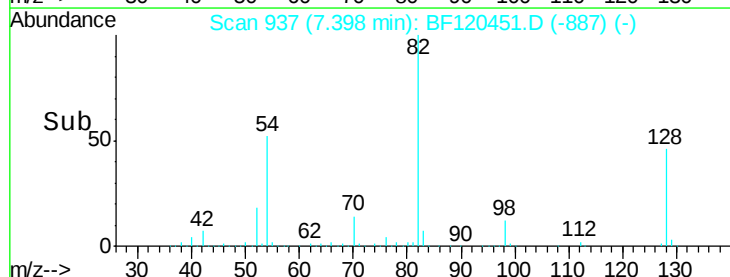
54 52.3 41.6 62.4

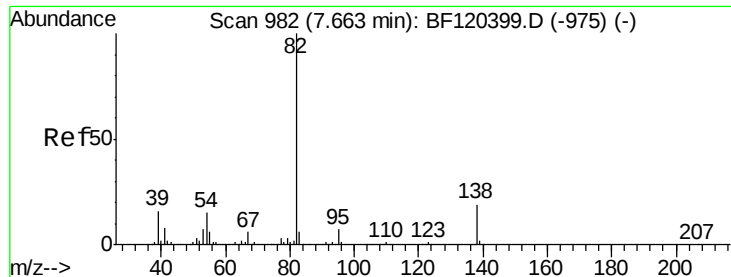


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.001 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

Instrument :

BNA_F

ClientSampleId :

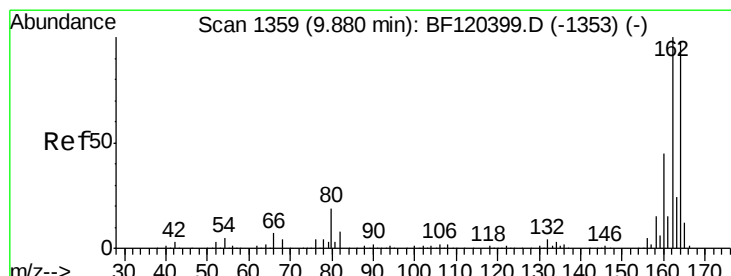
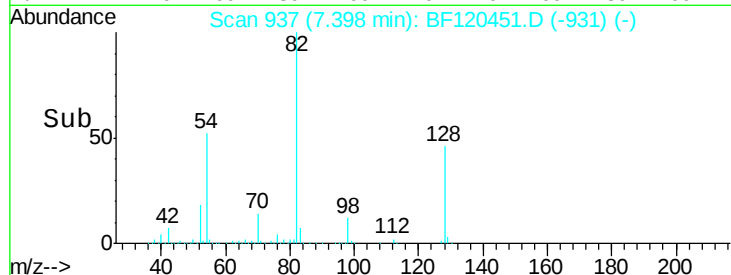
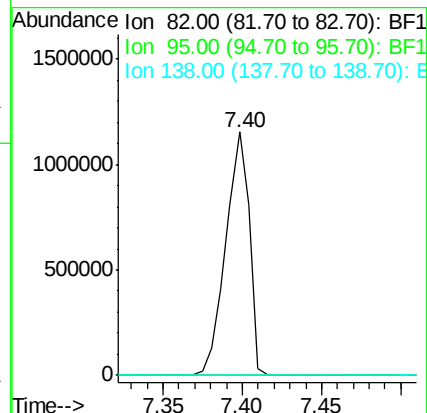
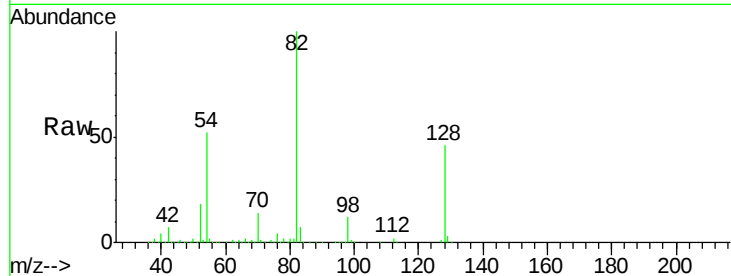
Tot Ion: 82 Resp: 1186979

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.0 22.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

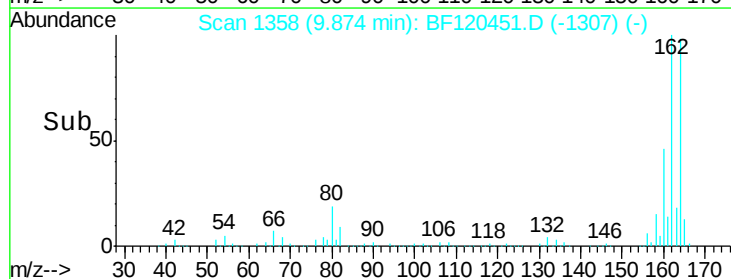
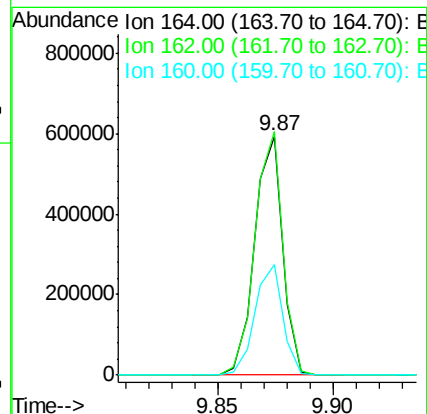
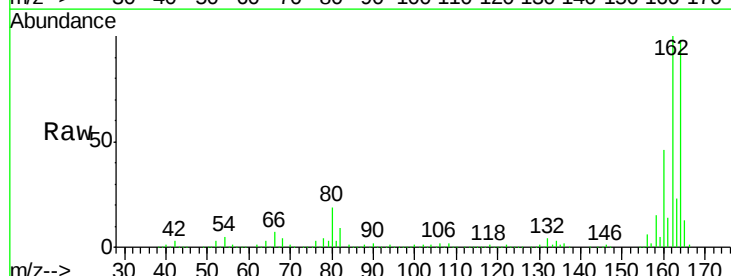
Tgt Ion:164 Resp: 504961

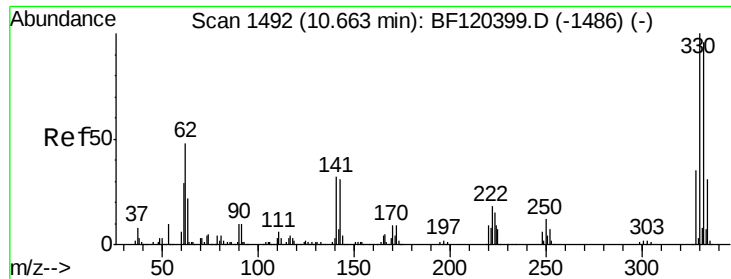
Ion Ratio Lower Upper

164 100

162 101.9 81.3 121.9

160 46.4 36.9 55.3

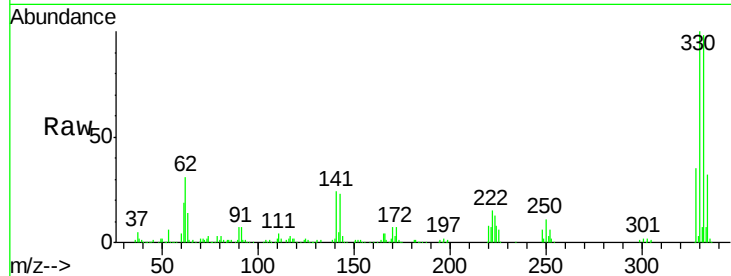




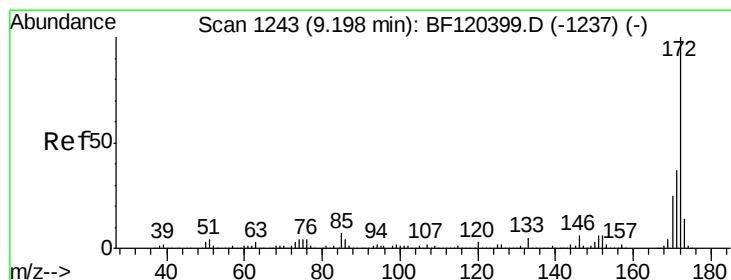
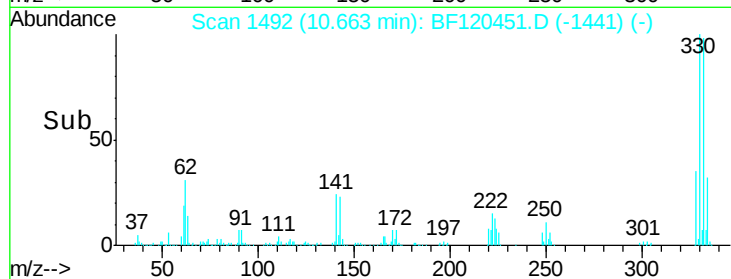
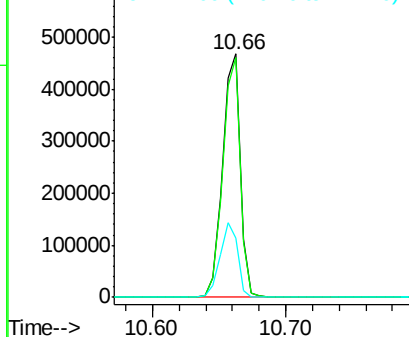
#42
 2,4,6-Tribromophenol
 Concen: 94.346 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BF120451.D
 Acq: 29 May 2020 20:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	30.7	25.3	37.9

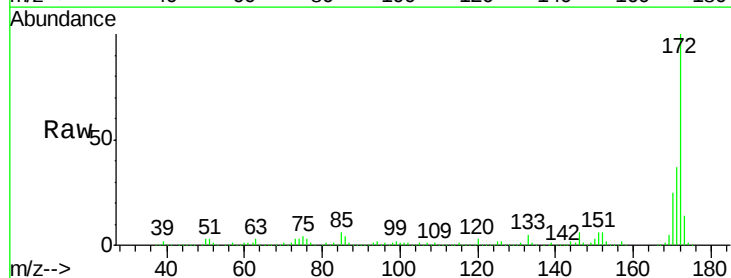


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

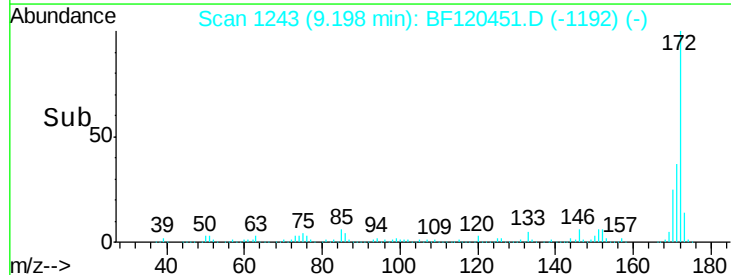
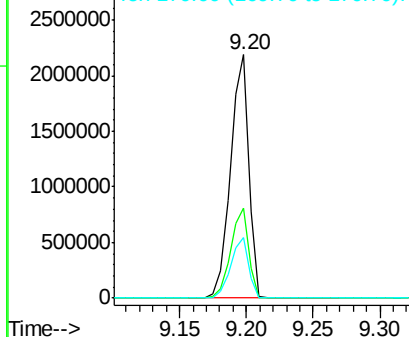


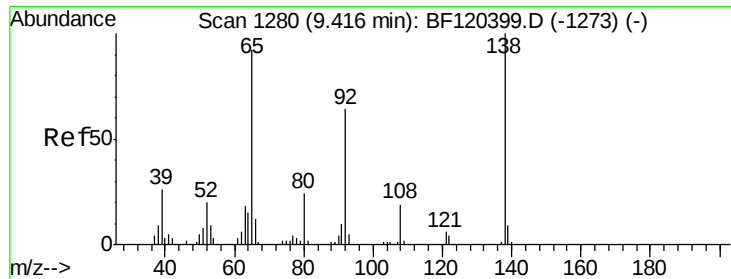
#45
 2-Fluorobiphenyl
 Concen: 70.918 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120451.D
 Acq: 29 May 2020 20:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	25.0	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

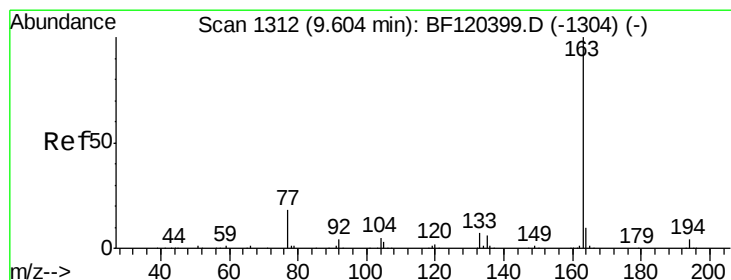
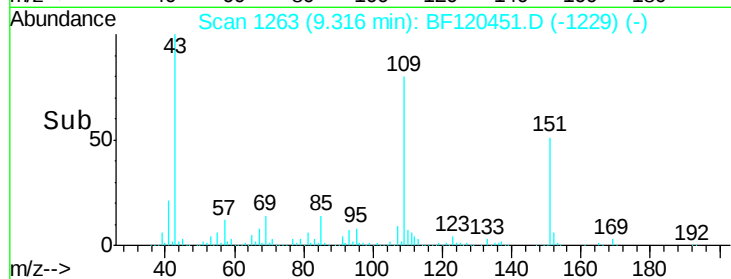
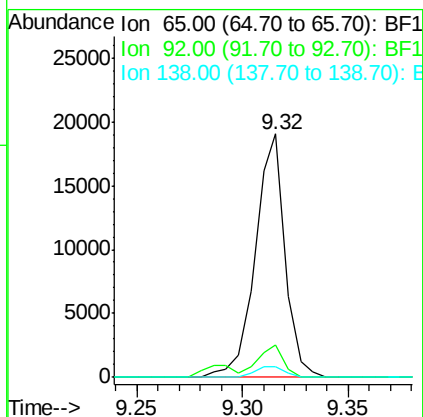
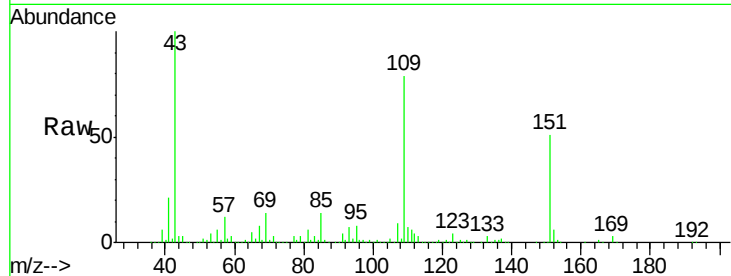




#48
2-Nitroaniline
Concen: 2.242 ng
RT: 9.32 min Scan# 1263
Delta R.T. -0.10 min
Lab File: BF120451.D
Acq: 29 May 2020 20:45

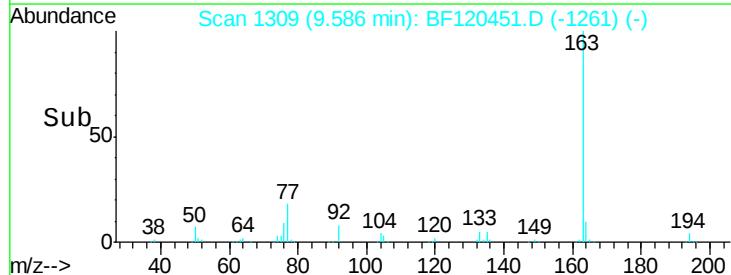
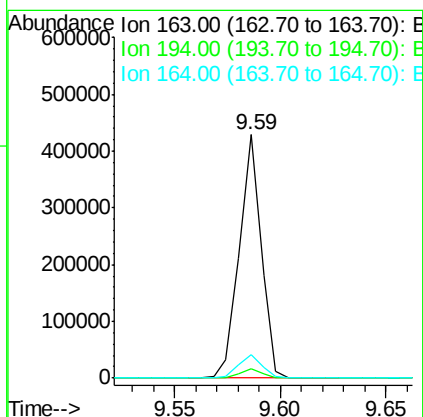
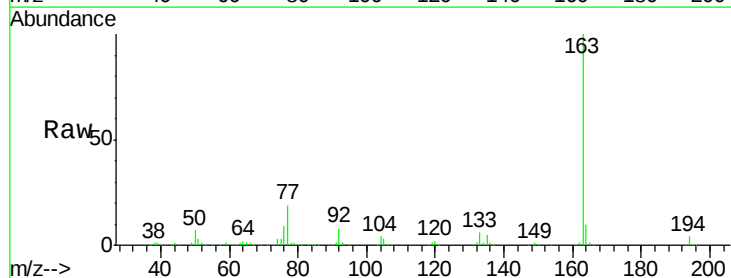
Instrument :
BNA_F
ClientSampleId :

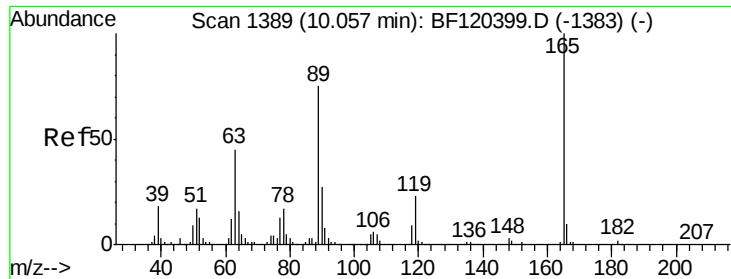
Tot Ion: 65 Resp: 18650
Ion Ratio Lower Upper
65 100
92 13.4 55.7 83.5#
138 4.4 86.9 130.3#



#50
Dimethylphthalate
Concen: 9.709 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120451.D
Acq: 29 May 2020 20:45

Tgt Ion:163 Resp: 306513
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.6 8.3 12.5

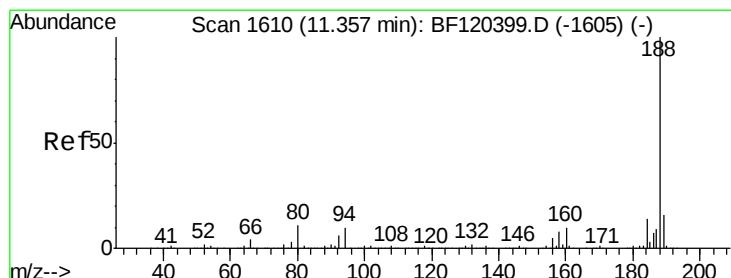
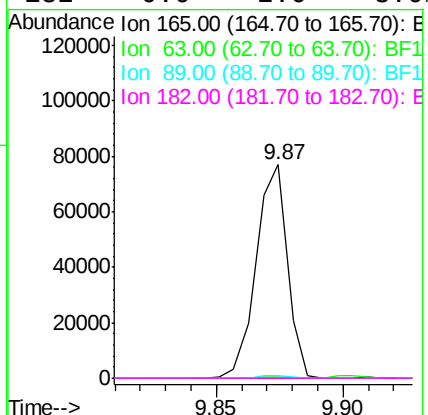
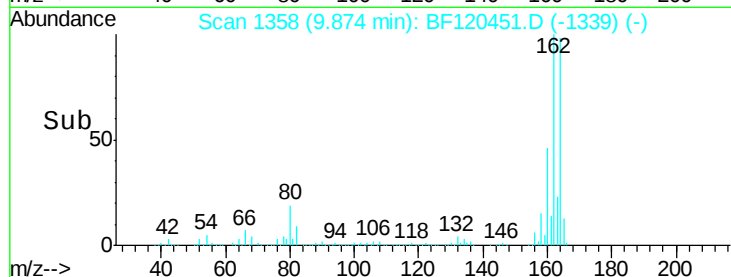
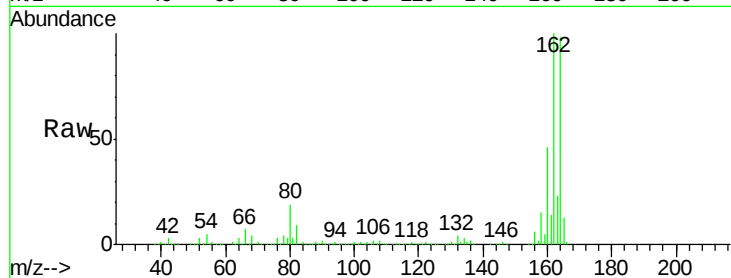




#57
 2,4-Dinitrotoluene
 Concen: 7.401 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.19 min
 Lab File: BF120451.D
 Acq: 29 May 2020 20:45

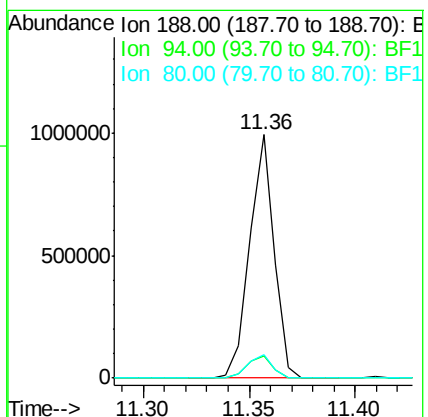
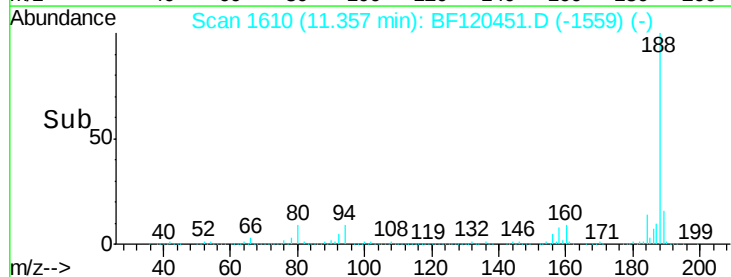
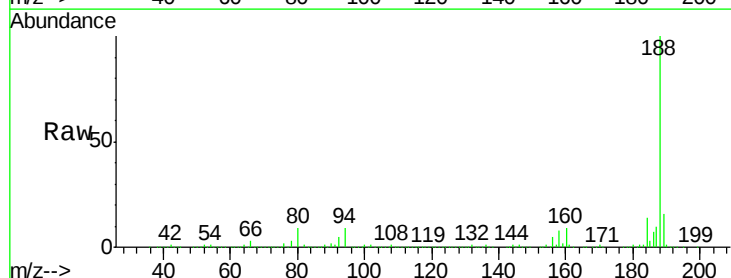
Instrument :
 BNA_F
 ClientSampleId :

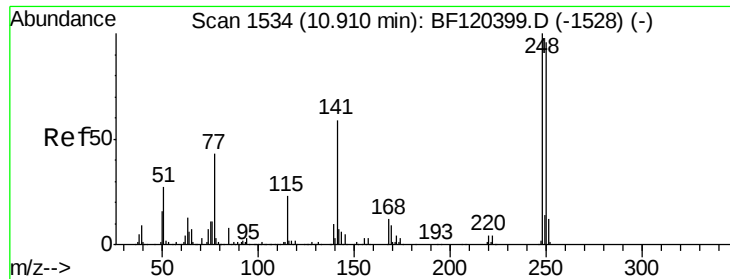
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	35.9	53.9#
89	1.3	60.0	90.0#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF120451.D
 Acq: 29 May 2020 20:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.9	11.9
80	9.4	8.6	13.0

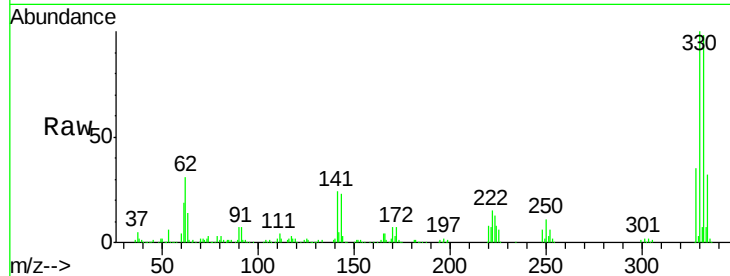




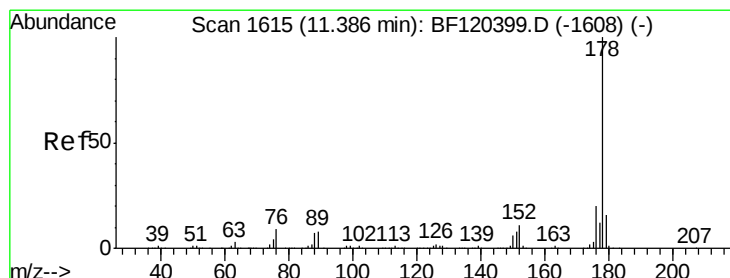
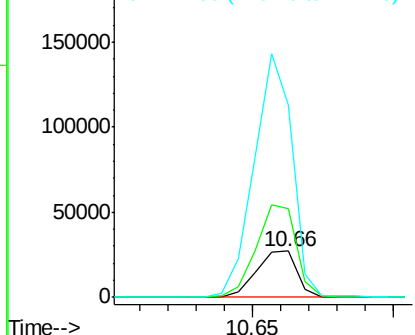
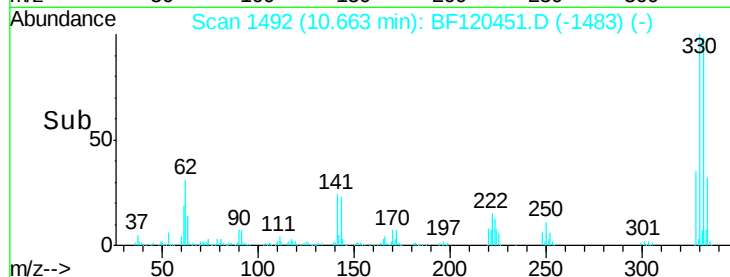
#67
 4-Bromophenyl-phenylether
 Concen: 3.310 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.25 min
 Lab File: BF120451.D
 Acq: 29 May 2020 20:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 26620
 Ion Ratio Lower Upper
 248 100
 250 192.3 76.5 114.7#
 141 419.6 47.2 70.8#

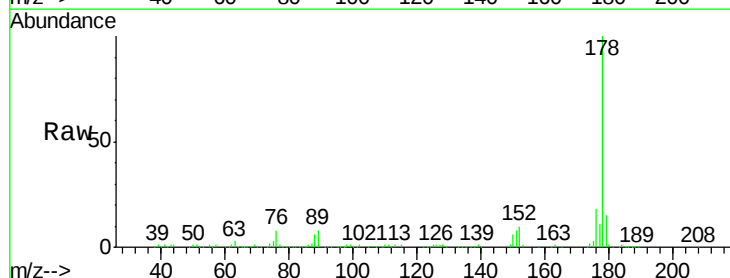


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

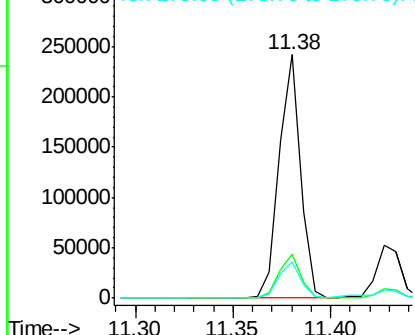
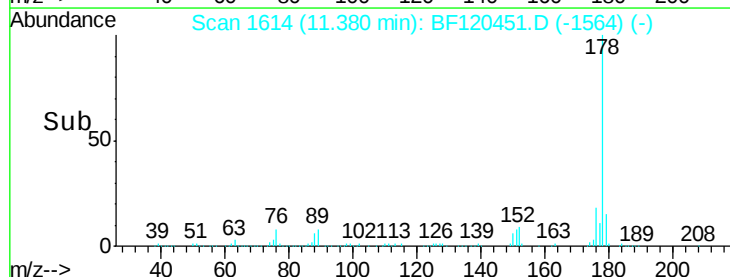


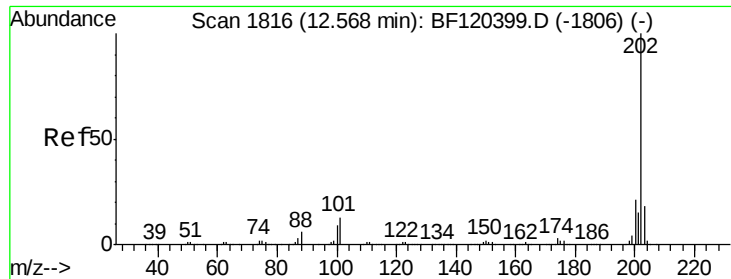
#71
 Phenanthrene
 Concen: 5.254 ng
 RT: 11.38 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF120451.D
 Acq: 29 May 2020 20:45

Tgt Ion:178 Resp: 184427
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.4 24.6
 179 15.1 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: 8.251 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

Instrument :

BNA_F

ClientSampled :

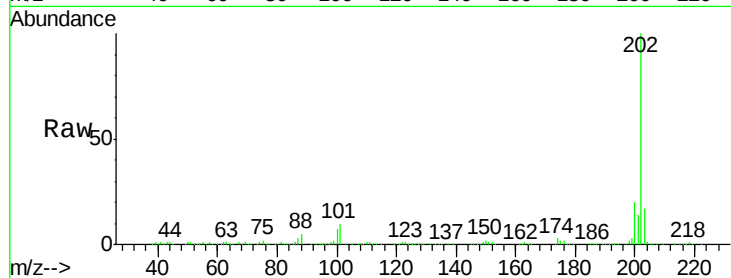
Tot Ion:202 Resp: 311666

Ion Ratio Lower Upper

202 100

101 10.3 0.0 32.6

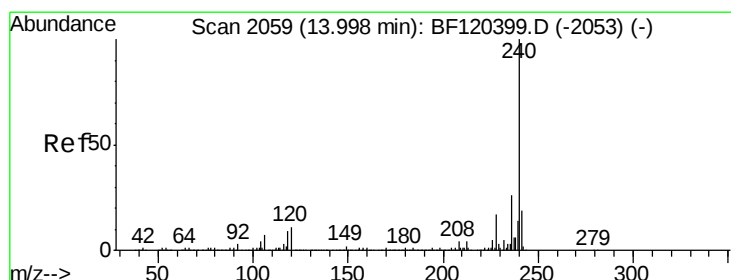
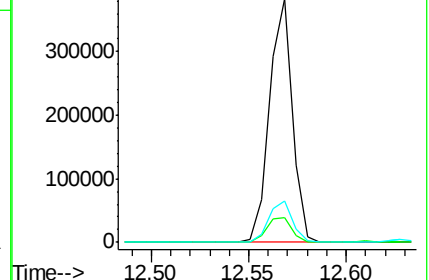
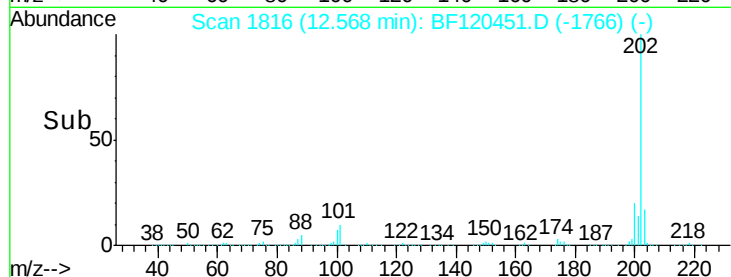
203 16.9 0.0 38.4



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: 13.99 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

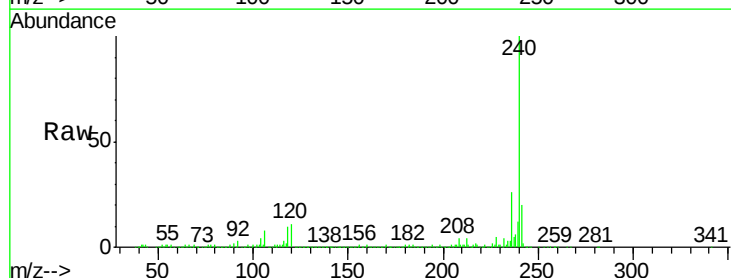
Tgt Ion:240 Resp: 557127

Ion Ratio Lower Upper

240 100

120 11.4 8.8 13.2

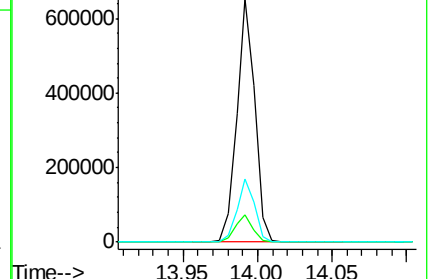
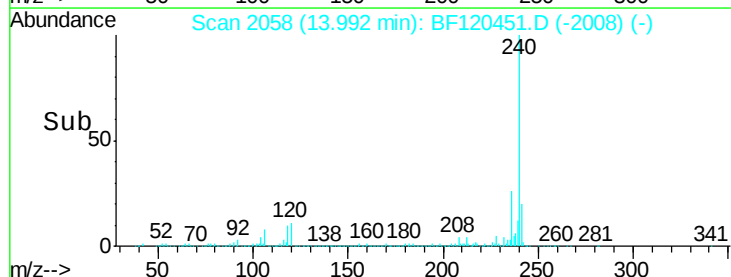
236 25.7 21.0 31.4

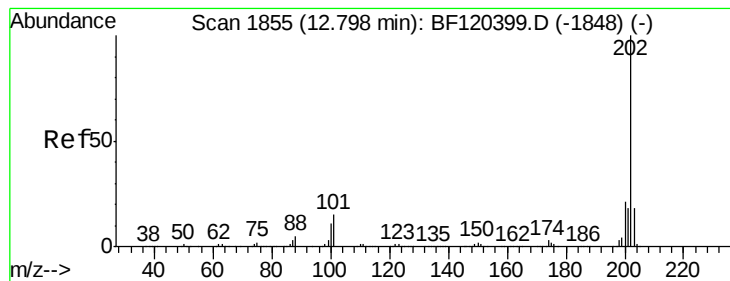


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.014 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

Instrument :

BNA_F

ClientSampleId :

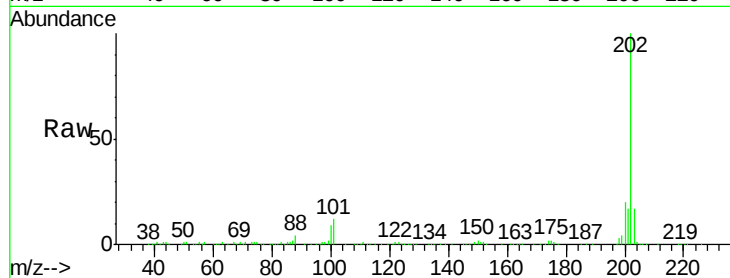
Tot Ion:202 Resp: 271760

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.4

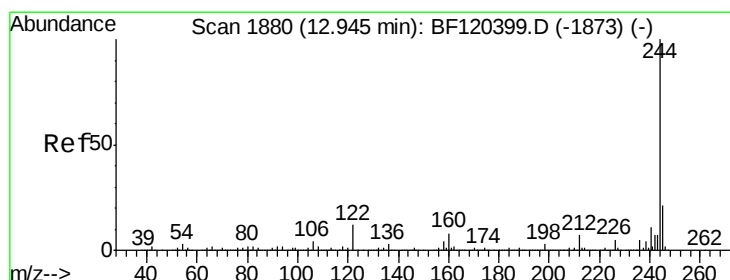
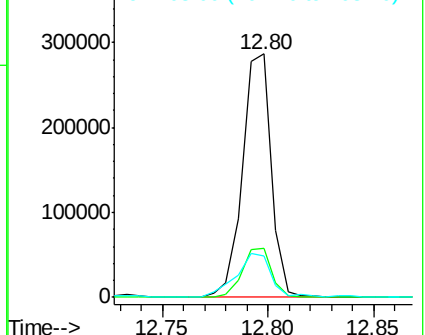
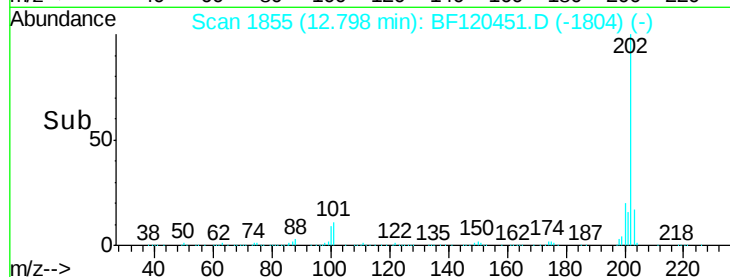
203 17.1 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 69.868 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

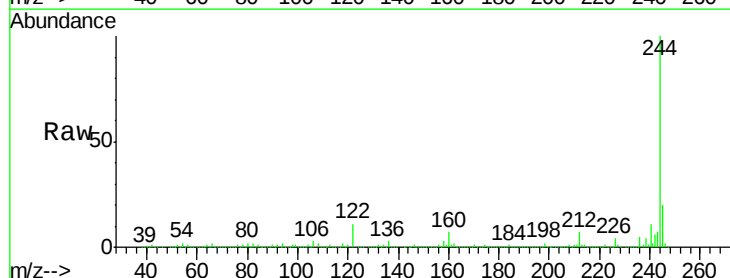
Tgt Ion:244 Resp: 1749262

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

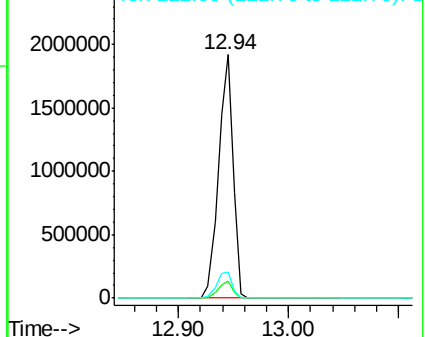
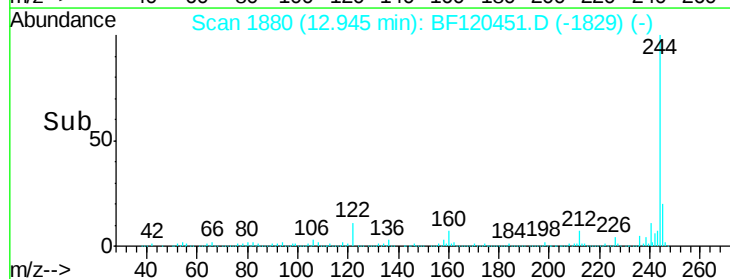
122 10.7 9.2 13.8

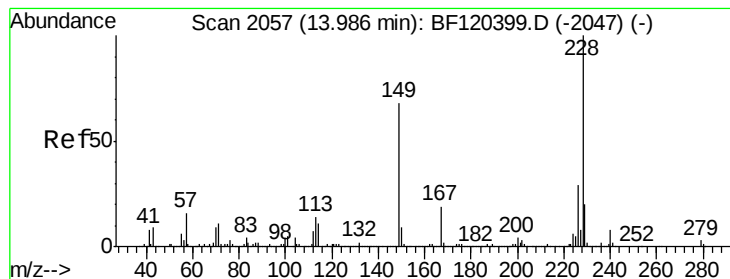


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.892 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

Instrument :

BNA_F

ClientSampleId :

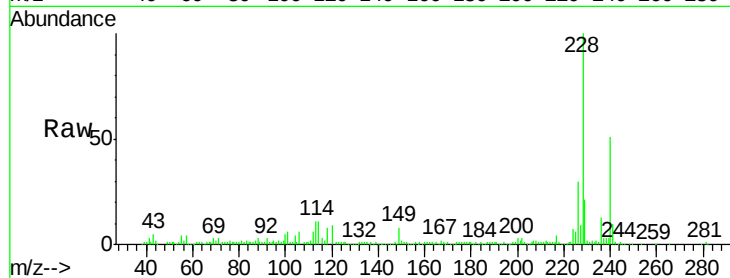
Tot Ion:228 Resp: 146085

Ion Ratio Lower Upper

228 100

226 29.9 23.0 34.4

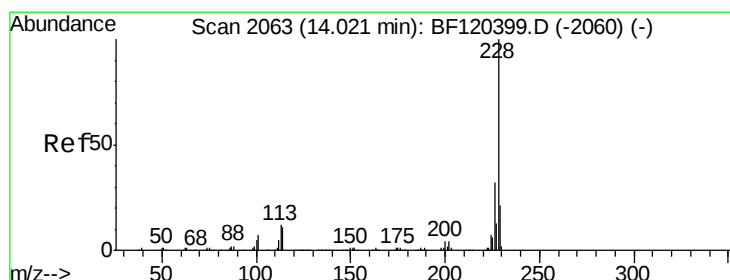
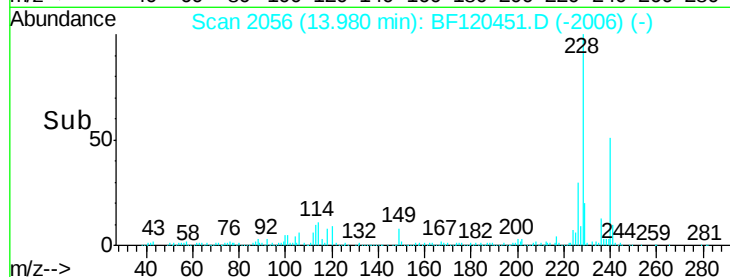
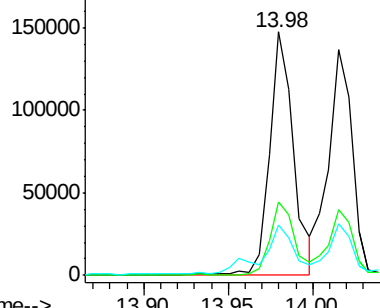
229 20.8 16.2 24.4



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: 4.271 ng

RT: 14.02 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BF120451.D

Acq: 29 May 2020 20:45

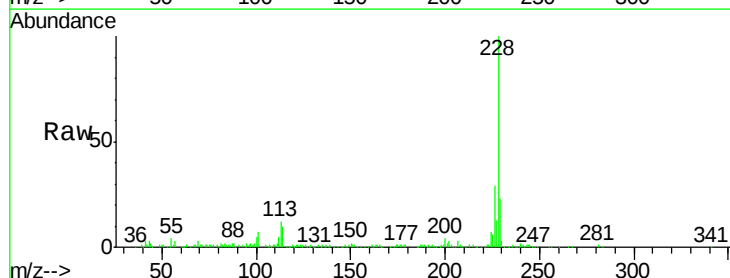
Tgt Ion:228 Resp: 133686

Ion Ratio Lower Upper

228 100

226 29.3 25.6 38.4

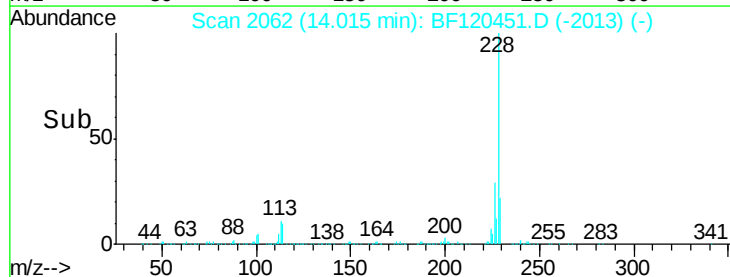
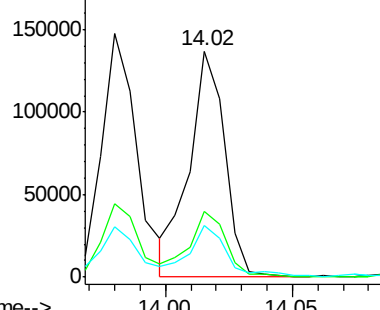
229 22.9 16.6 25.0

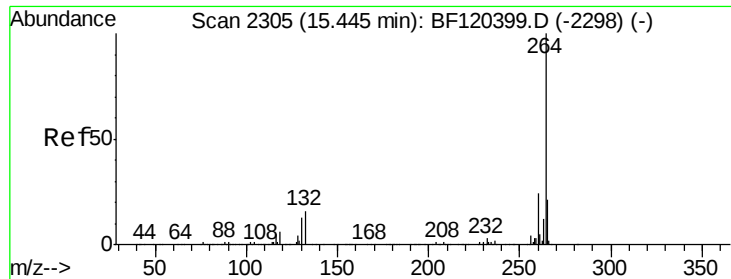


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



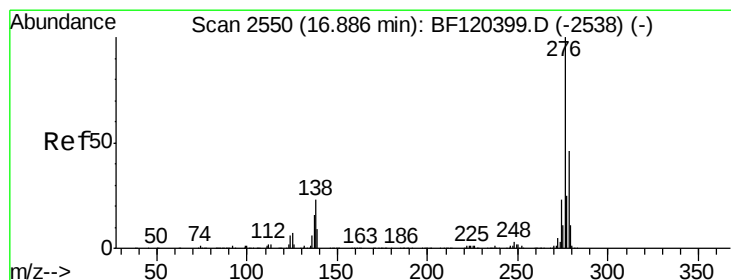
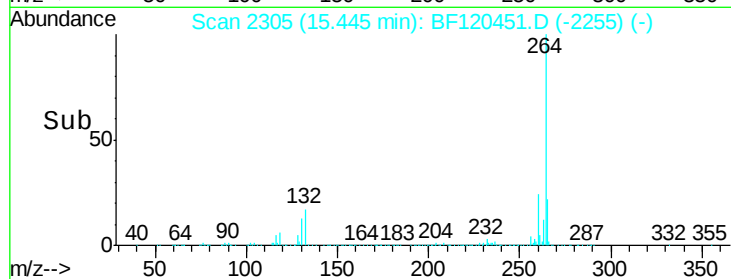
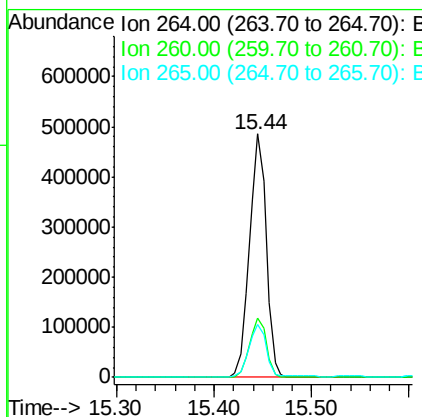
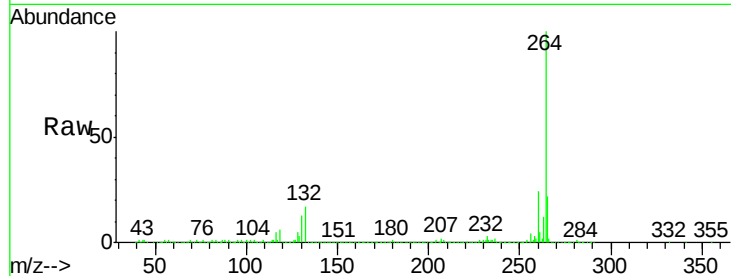


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BF120451.D
Acq: 29 May 2020 20:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 583589

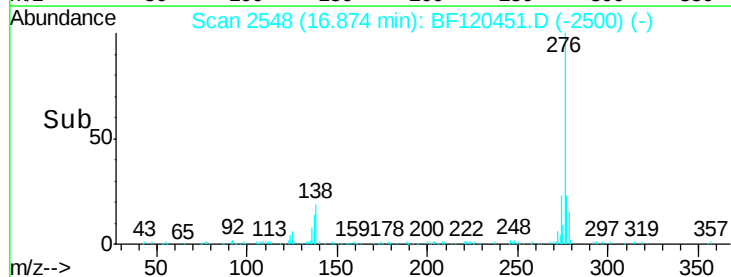
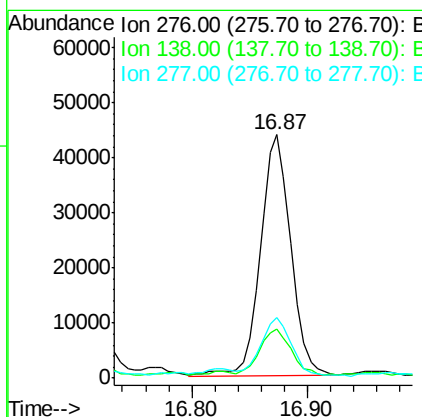
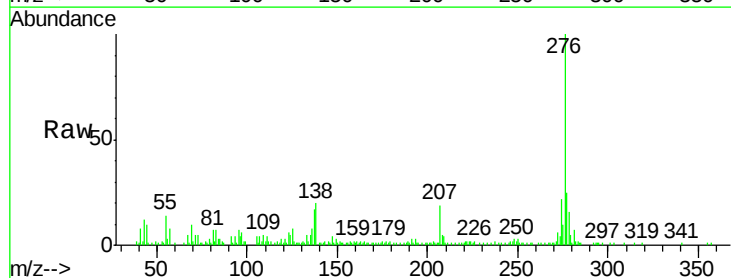
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	16.9	25.3

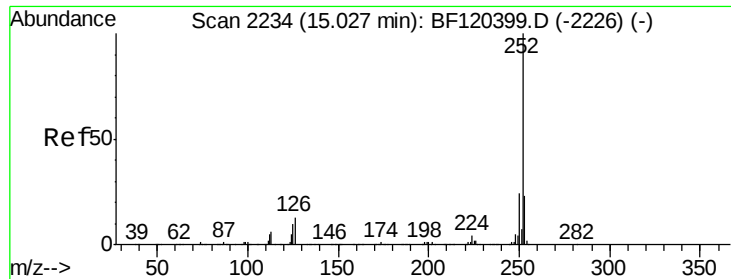


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.515 ng
RT: 16.87 min Scan# 2548
Delta R.T. -0.02 min
Lab File: BF120451.D
Acq: 29 May 2020 20:45

Tgt Ion:276 Resp: 80263

Ion	Ratio	Lower	Upper
276	100		
138	19.6	20.4	30.6#
277	23.9	20.4	30.6

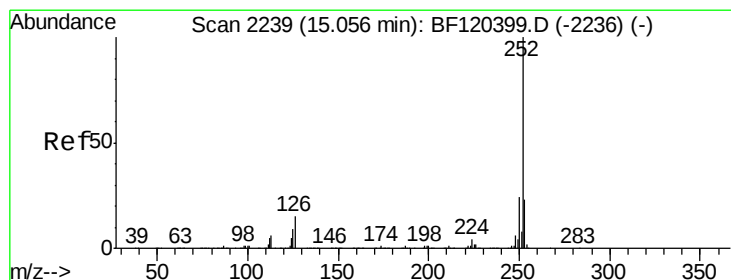
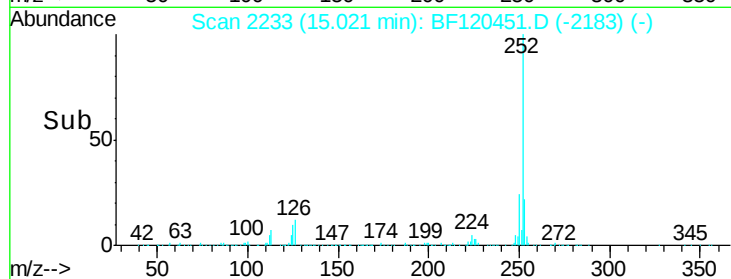
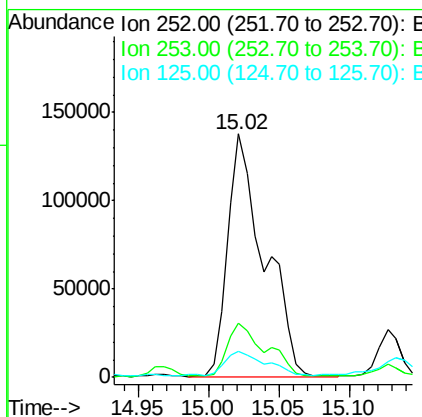
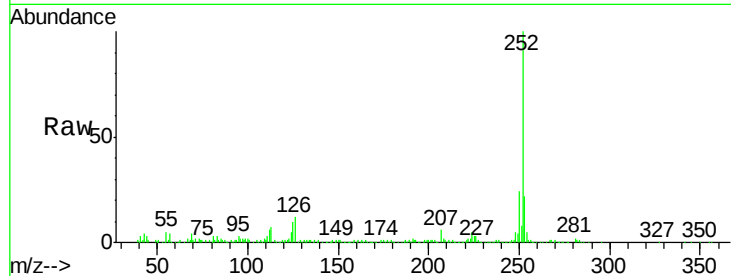




#88
Benzo(b)fluoranthene
Concen: 7.668 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120451.D
Acq: 29 May 2020 20:45

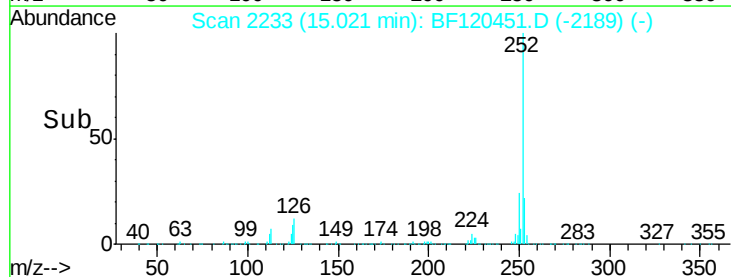
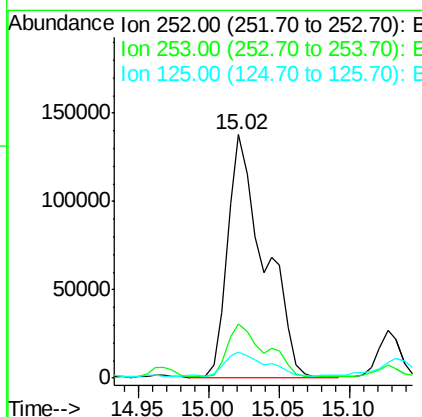
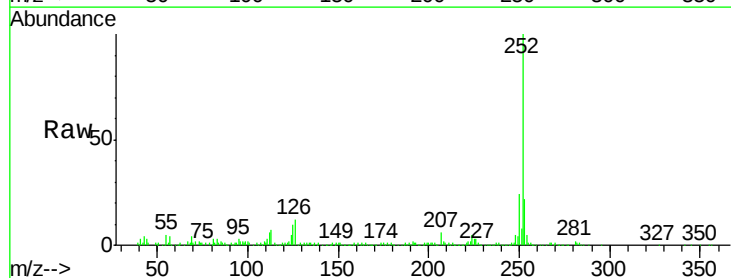
Instrument :
BNA_F
ClientSampleId :

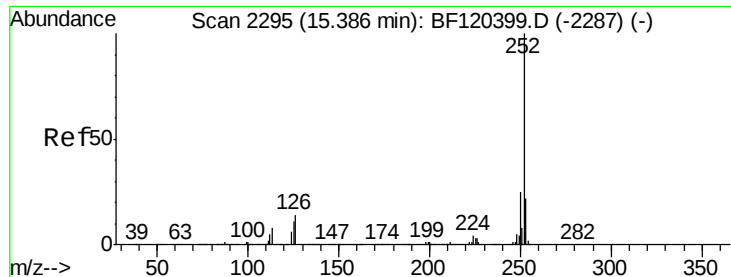
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	10.5	7.8	11.8



#89
Benzo(k)fluoranthene
Concen: 8.213 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120451.D
Acq: 29 May 2020 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.5	27.7
125	10.5	8.0	12.0

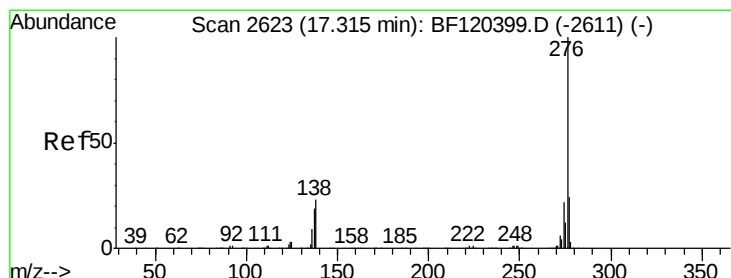
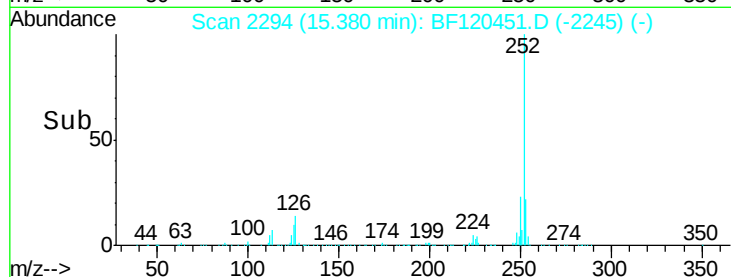
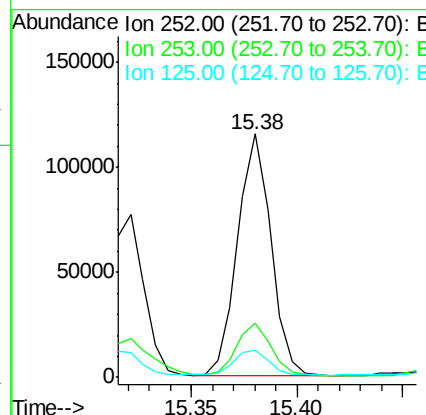
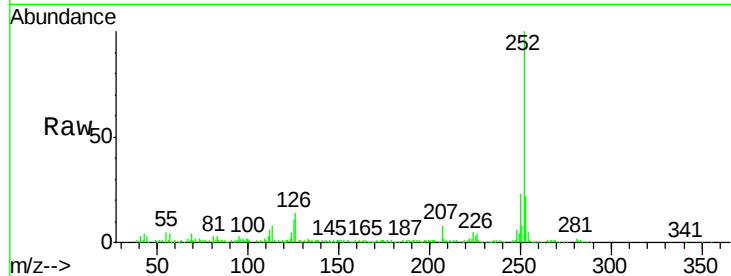




#90
Benzo(a)pyrene
Concen: 4.473 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120451.D
Acq: 29 May 2020 20:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	11.1	8.7	13.1



#92
Benzo(g,h,i)perylene
Concen: 2.854 ng
RT: 17.30 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF120451.D
Acq: 29 May 2020 20:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.5	29.3
138	25.7	18.1	27.1

