

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060120\
 Data File : BF120471.D
 Acq On : 1 Jun 2020 15:18
 Operator : JU/CG
 Sample : L2745-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM60-COMP-2020-0-6

Quant Time: Jun 01 16:03:30 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	243581	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	872130	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	416835	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	684499	20.00	ng	0.00
76) Chrysene-d12	14.00	240	497617	20.00	ng	0.00
86) Perylene-d12	15.46	264	539967	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1200640	93.94	ng	0.01
7) Phenol-d6	6.47	99	1468085	93.19	ng	0.00
23) Nitrobenzene-d5	7.40	82	958094	71.86	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	377235	97.67	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1701435	69.26	ng	0.00
79) Terphenyl-d14	12.95	244	1510291	67.54	ng	0.00

Target Compounds

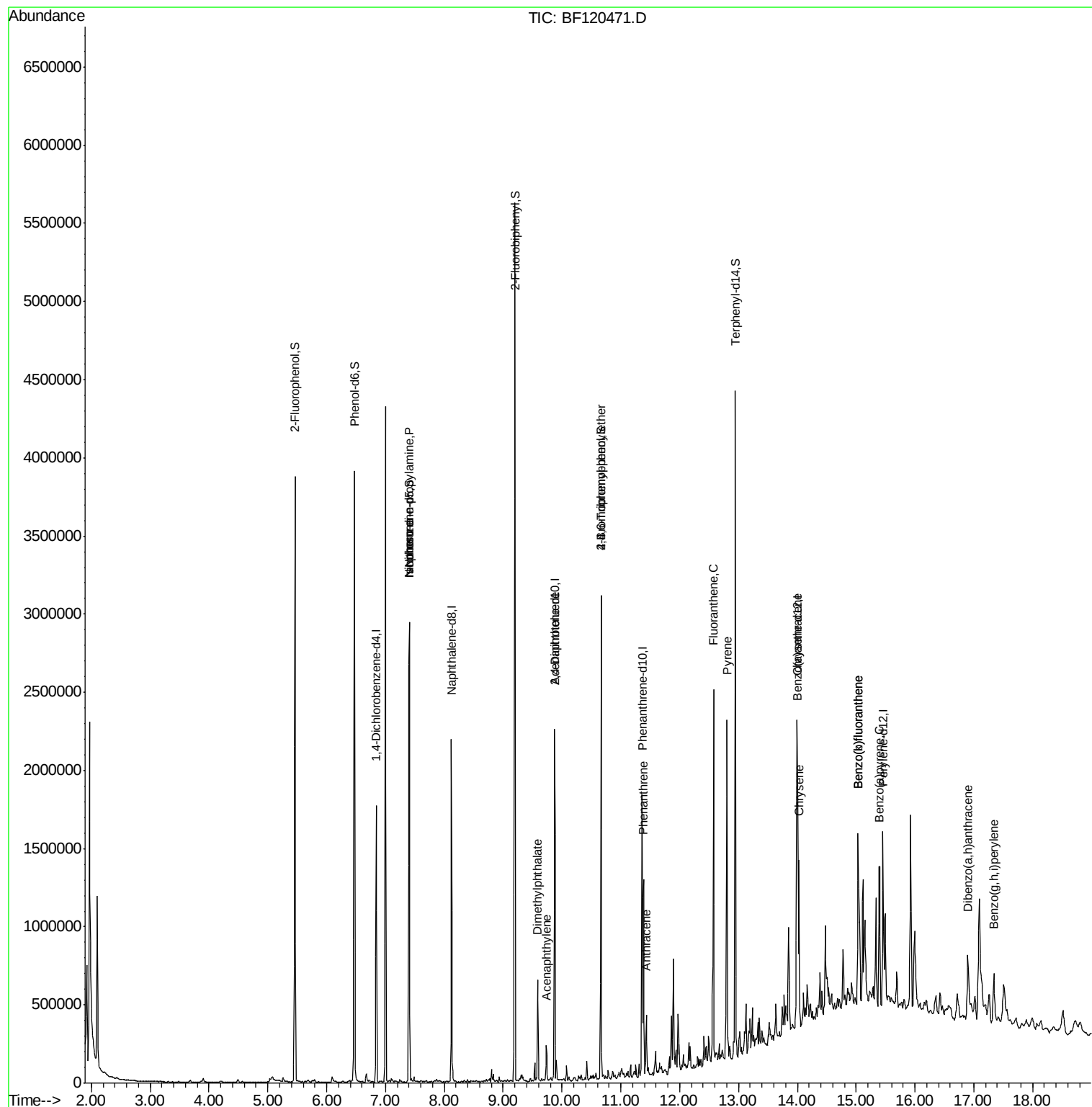
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	128484	12.830	ng	# 77
25) Isophorone	7.40	82	954066	35.604	ng	# 64
49) Acenaphthylene	9.73	152	87424	2.509	ng	97
50) Dimethylphthalate	9.59	163	241251	9.258	ng	100
57) 2,4-Dinitrotoluene	9.87	165	55826	7.532	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	22236	3.218	ng	# 1
71) Phenanthrene	11.39	178	461659	15.306	ng	97
72) Anthracene	11.43	178	132991	4.395	ng	98
75) Fluoranthene	12.57	202	901468	27.777	ng	97
78) Pyrene	12.80	202	866982	25.053	ng	98
81) Benzo(a)anthracene	13.99	228	479473	17.978	ng	95
83) Chrysene	14.03	228	444088	15.883	ng	98
88) Benzo(b)fluoranthene	15.03	252	853161	28.447	ng	99
89) Benzo(k)fluoranthene	15.03	252	853161	30.472	ng	98
90) Benzo(a)pyrene	15.40	252	460057	17.537	ng	98
91) Dibenzo(a,h)anthracene	16.91	278	69474	2.885	ng	93
92) Benzo(g,h,i)perylene	17.34	276	260306	10.961	ng	99

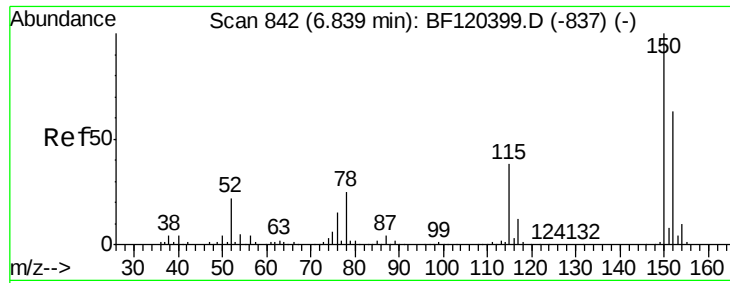
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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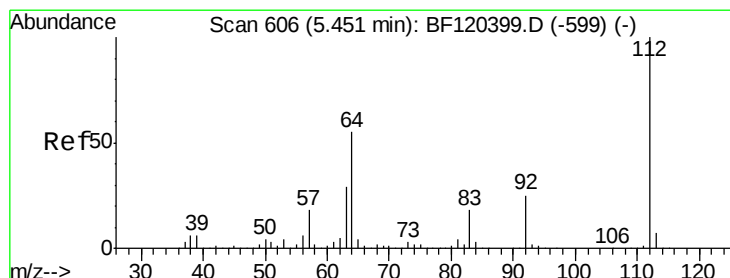
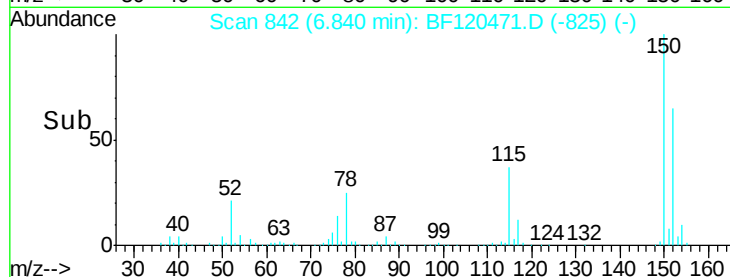
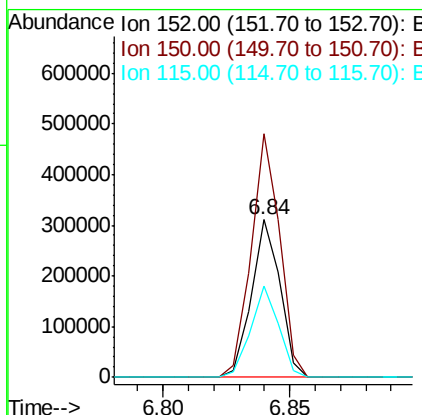
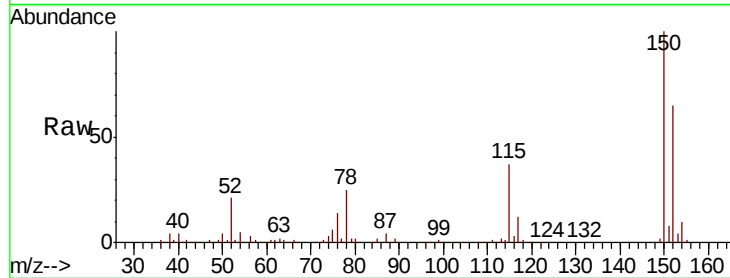




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF120471.D
 Acq: 1 Jun 2020 15:18

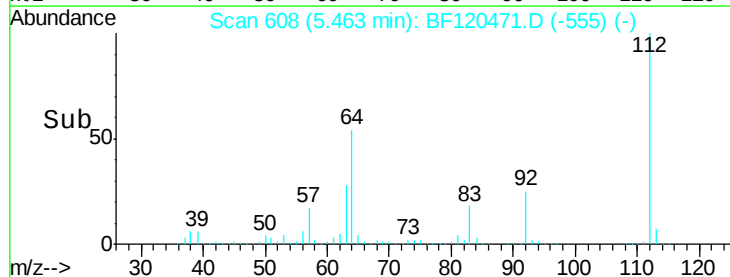
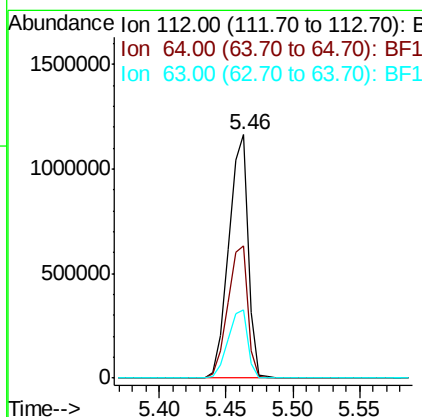
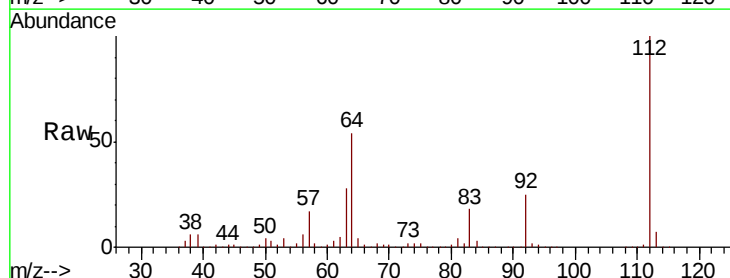
Instrument :
 BNA_F
 ClientSampleId :
 NM60-COMP-2020-0-6

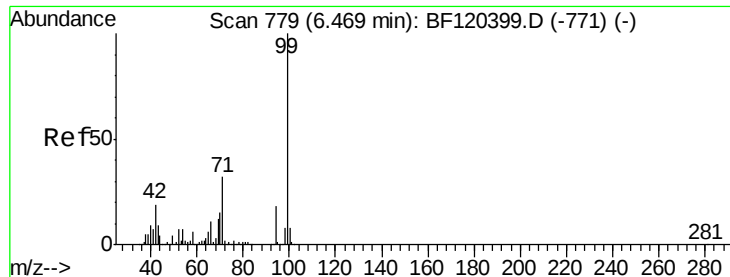
Tot Ion:152 Resp: 243581
 Ion Ratio Lower Upper
 152 100
 150 154.6 126.5 189.7
 115 57.9 47.6 71.4



#5
 2-Fluorophenol
 Concen: 93.937 ng
 RT: 5.46 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: BF120471.D
 Acq: 1 Jun 2020 15:18

Tgt Ion:112 Resp: 1200640
 Ion Ratio Lower Upper
 112 100
 64 54.3 44.3 66.5
 63 28.2 22.9 34.3





#7

Phenol-d6

Concen: 93.188 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

Instrument :

BNA_F

ClientSampleId :

NM60-COMP-2020-0-6

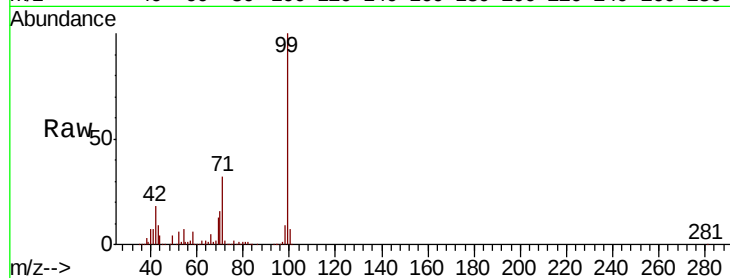
Tot Ion: 99 Resp: 1468085

Ion Ratio Lower Upper

99 100

42 18.3 15.2 22.8

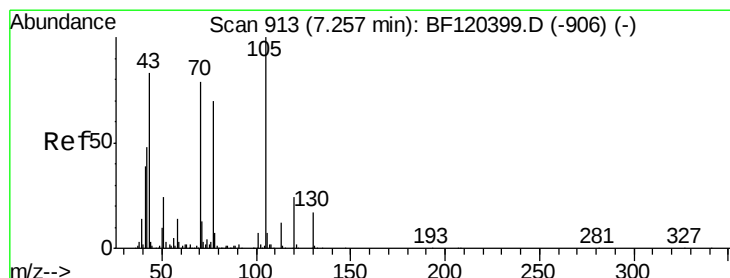
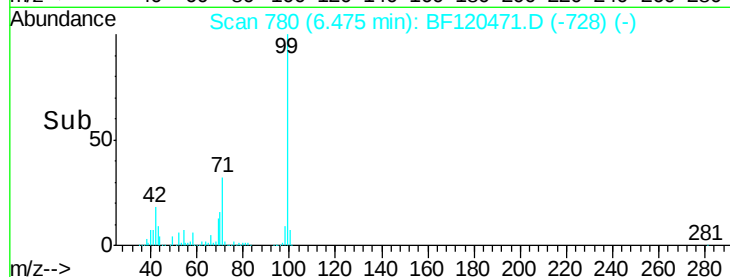
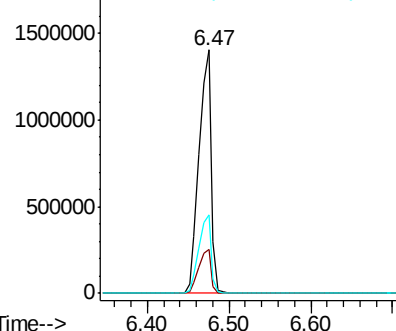
71 32.3 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.830 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.15 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

Tgt Ion: 70 Resp: 128484

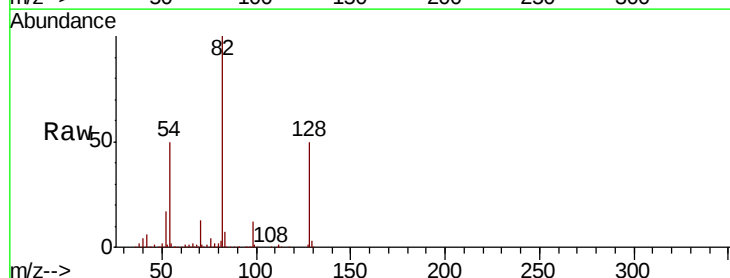
Ion Ratio Lower Upper

70 100

42 48.2 48.9 73.3#

101 0.0 7.4 11.2#

130 2.3 16.8 25.2#

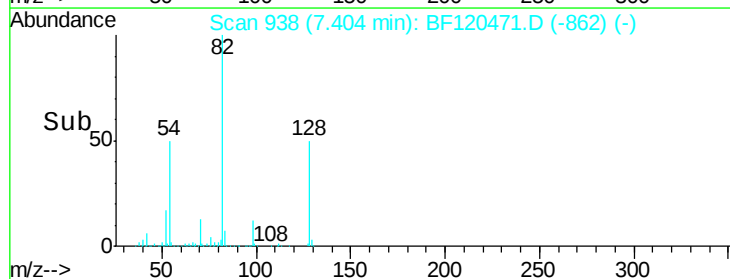
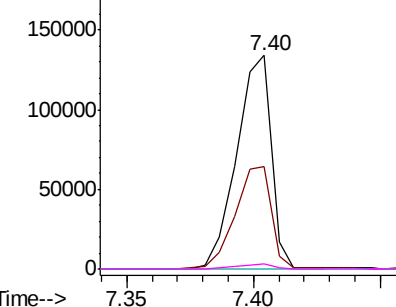


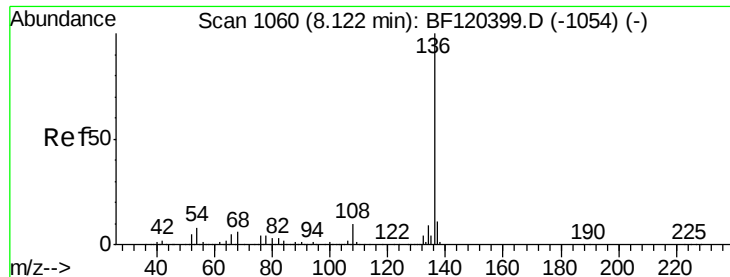
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

Instrument :

BNA_F

ClientSampleId :

NM60-COMP-2020-0-6

Tot Ion:136 Resp: 872130

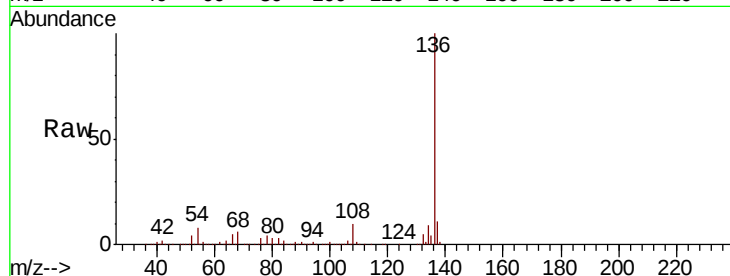
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 7.7 6.7 10.1

68 6.2 5.0 7.4

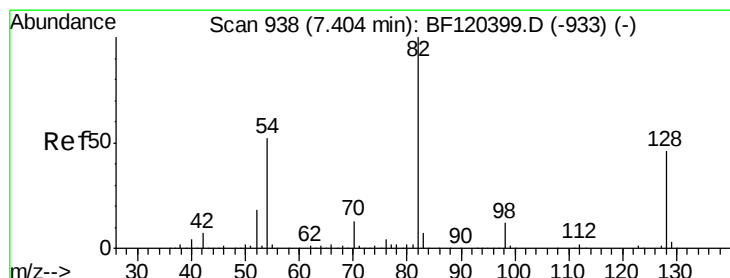
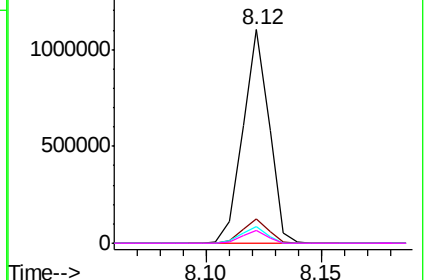
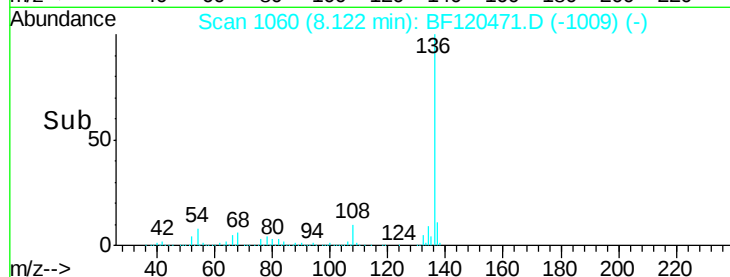


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.861 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

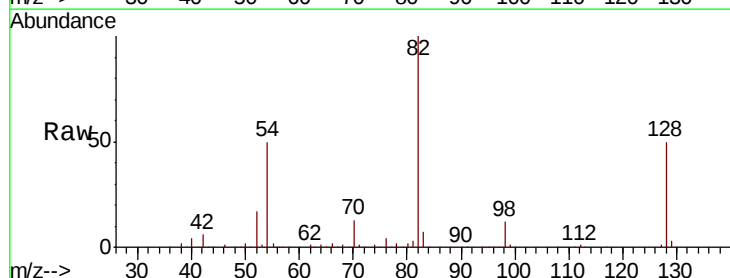
Tgt Ion: 82 Resp: 958094

Ion Ratio Lower Upper

82 100

128 49.5 36.8 55.2

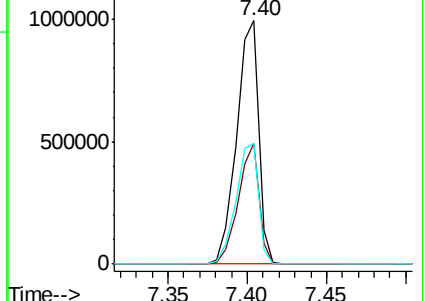
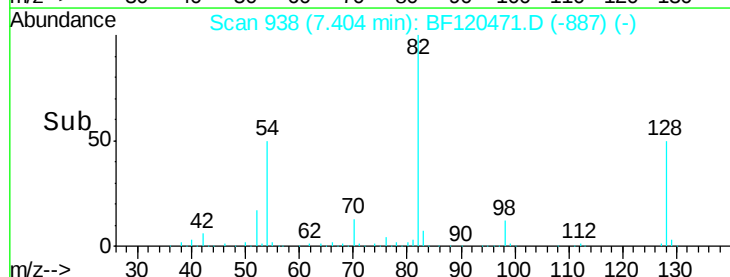
54 49.5 41.6 62.4

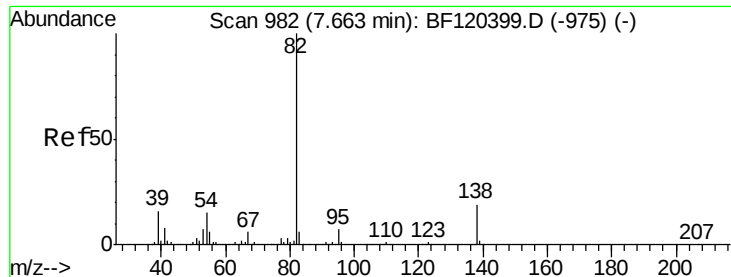


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.604 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

Instrument :

BNA_F

ClientSampleId :

NM60-COMP-2020-0-6

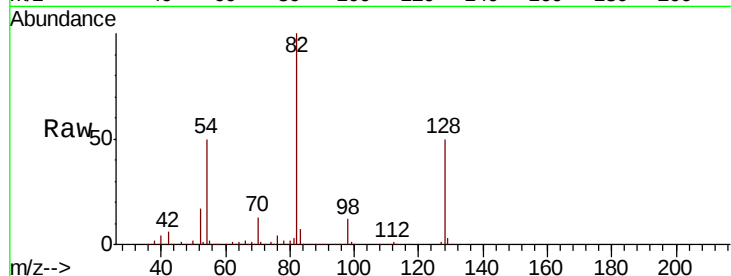
Tot Ion: 82 Resp: 954066

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

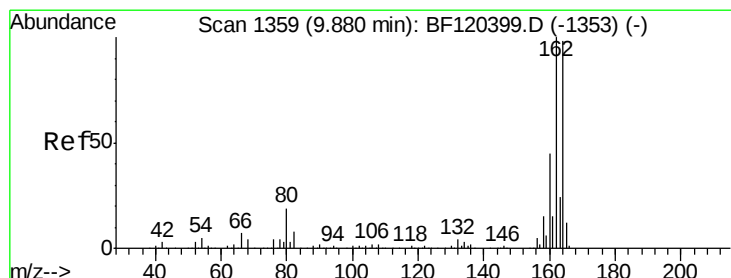
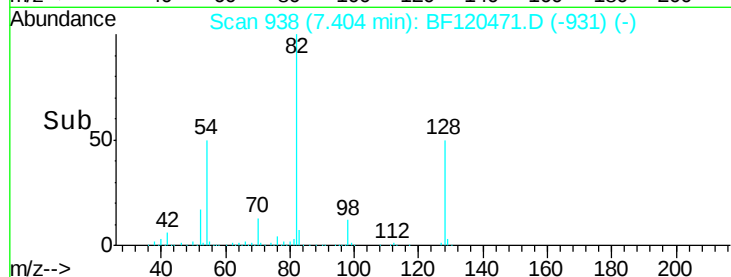
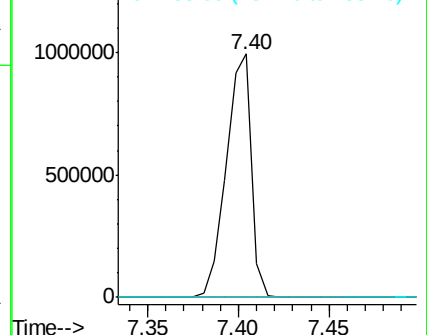
138 0.0 15.0 22.4#



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: 9.87 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

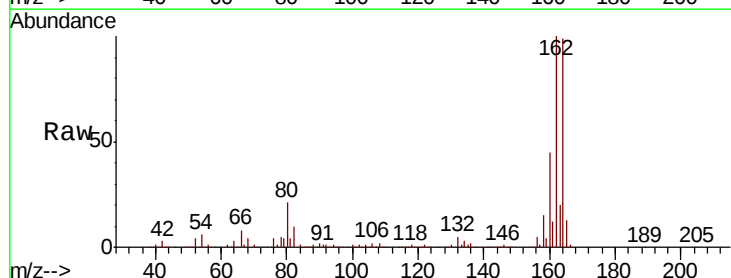
Tgt Ion:164 Resp: 416835

Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

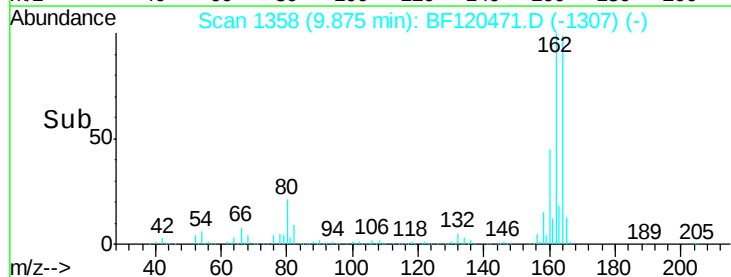
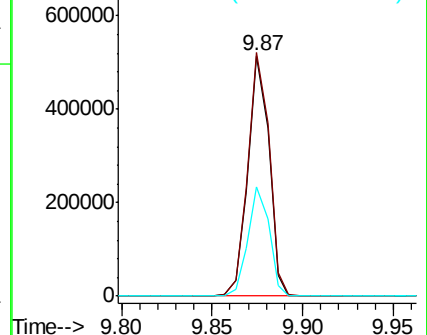
160 45.5 36.9 55.3

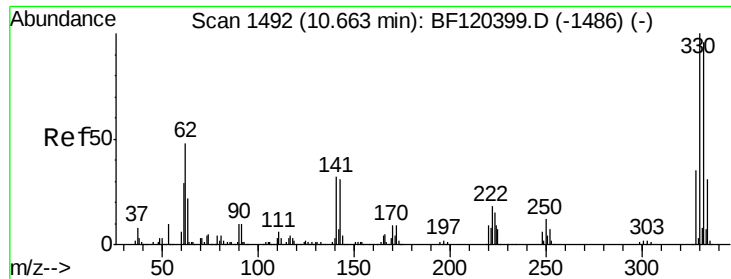


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

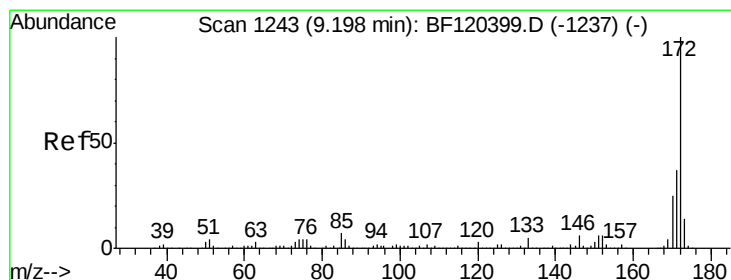
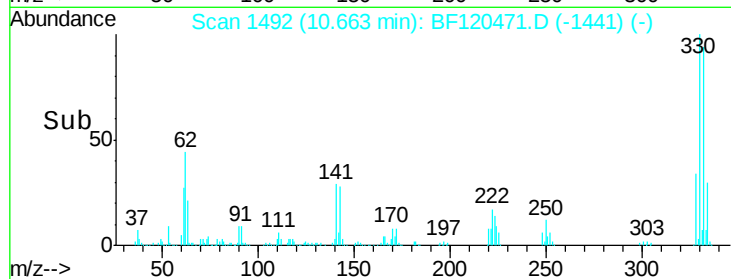
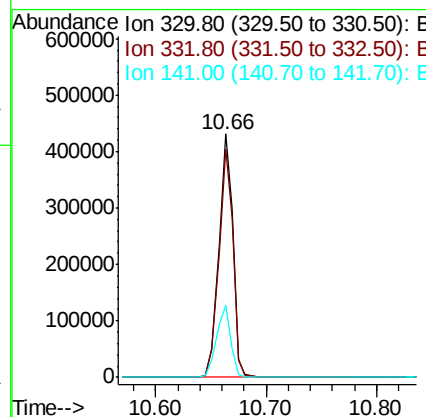
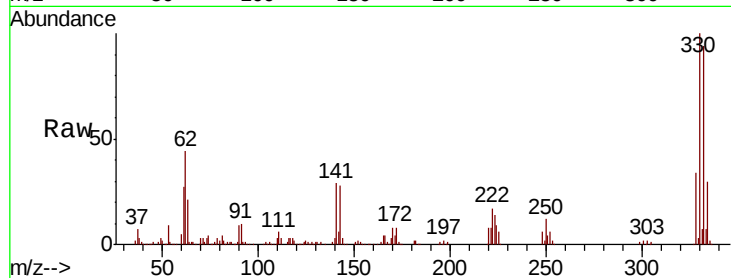




#42
 2,4,6-Tribromophenol
 Concen: 97.675 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120471.D
 Acq: 1 Jun 2020 15:18

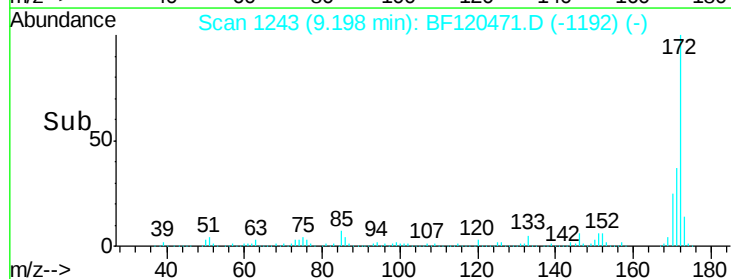
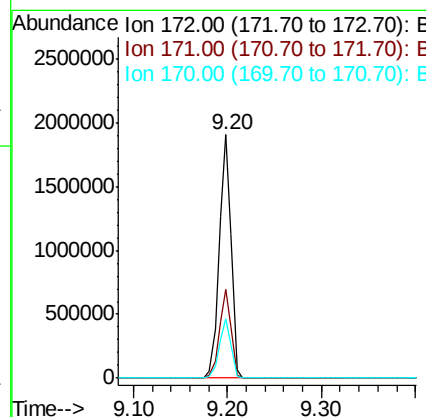
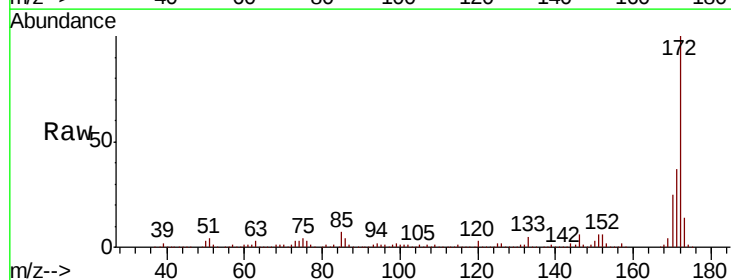
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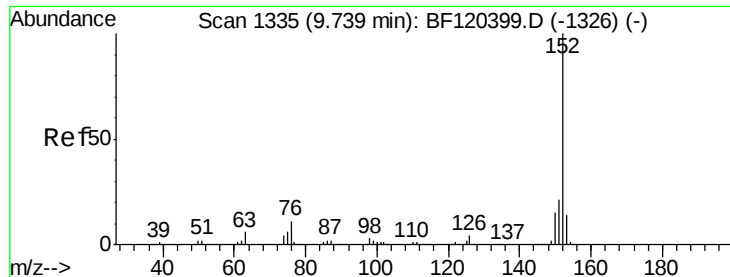
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.0	115.6
141	29.5	25.3	37.9



#45
 2-Fluorobiphenyl
 Concen: 69.256 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120471.D
 Acq: 1 Jun 2020 15:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.6	19.9	29.9





#49

Acenaphthylene

Concen: 2.509 ng

RT: 9.73 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

Instrument :

BNA_F

ClientSampleId :

NM60-COMP-2020-0-6

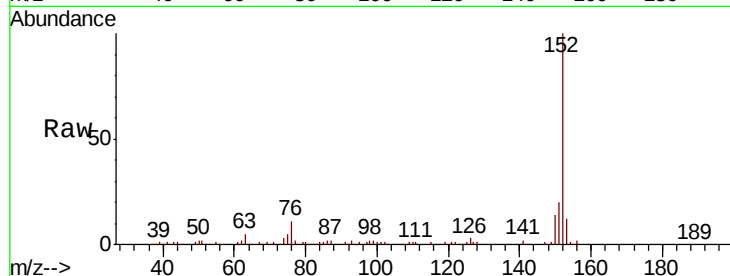
Tot Ion:152 Resp: 87424

Ion Ratio Lower Upper

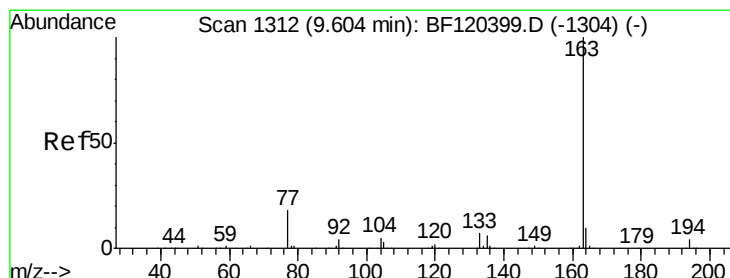
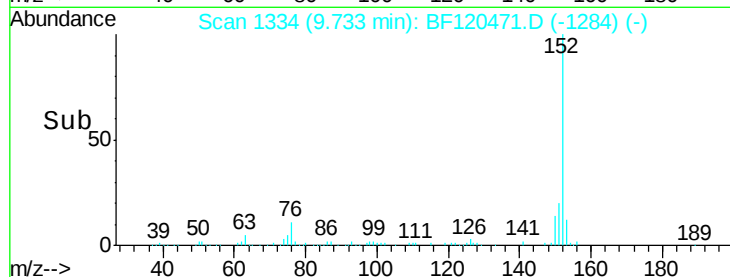
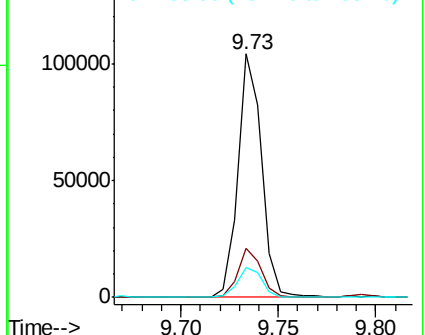
152 100

151 19.9 16.8 25.2

153 12.4 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.258 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

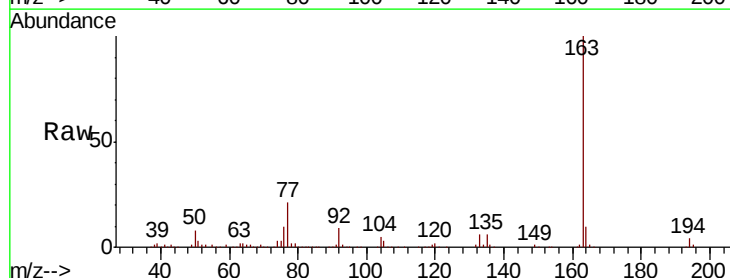
Tgt Ion:163 Resp: 241251

Ion Ratio Lower Upper

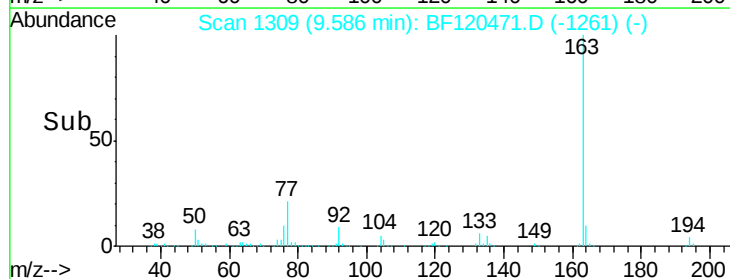
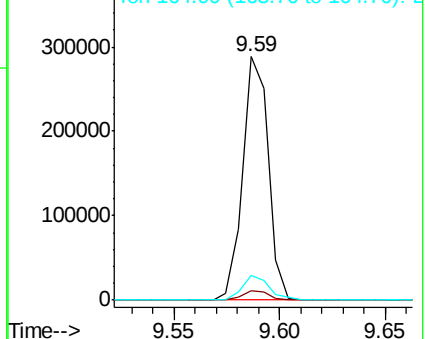
163 100

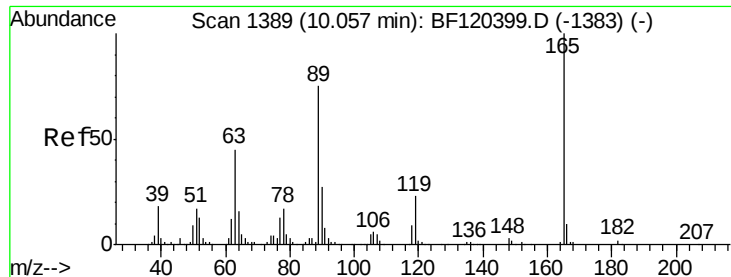
194 3.8 3.3 4.9

164 10.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

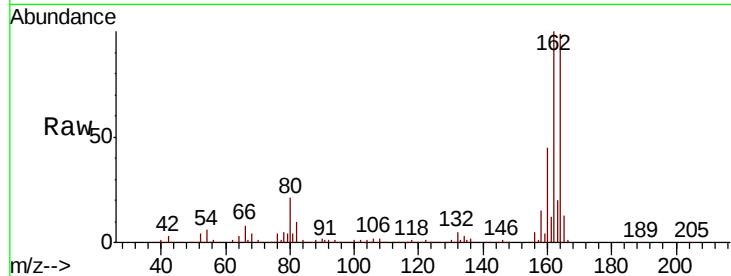




#57
 2,4-Dinitrotoluene
 Concen: 7.532 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.19 min
 Lab File: BF120471.D
 Acq: 1 Jun 2020 15:18

Instrument :
 BNA_F
 ClientSampleId :
 NM60-COMP-2020-0-6

Tot Ion:165	Resp:	55826
Ion Ratio	Lower	Upper
165	100	
63	1.4	35.9 53.9#
89	1.0	60.0 90.0#
182	0.0	2.0 3.0#

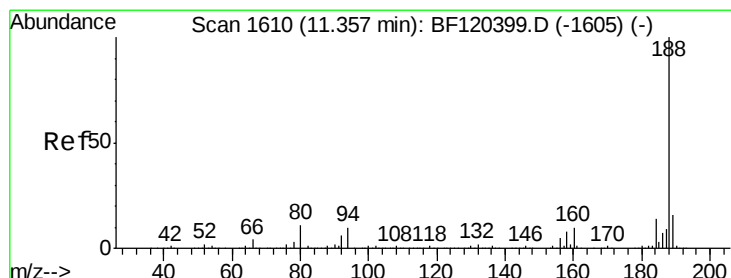
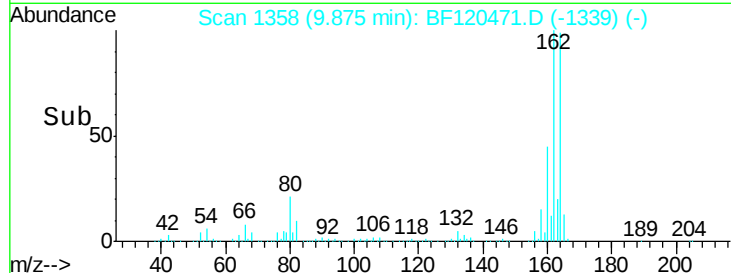
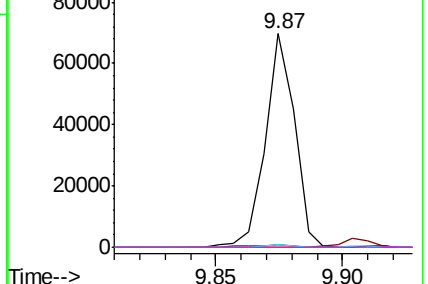


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

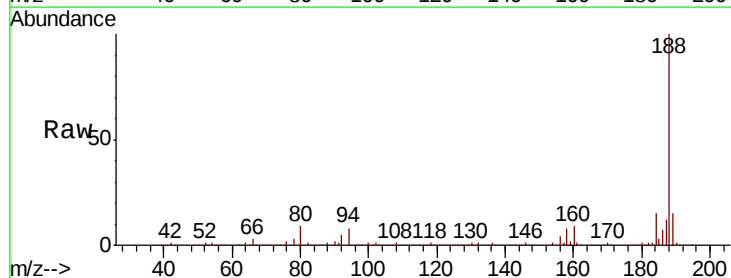
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF120471.D
 Acq: 1 Jun 2020 15:18

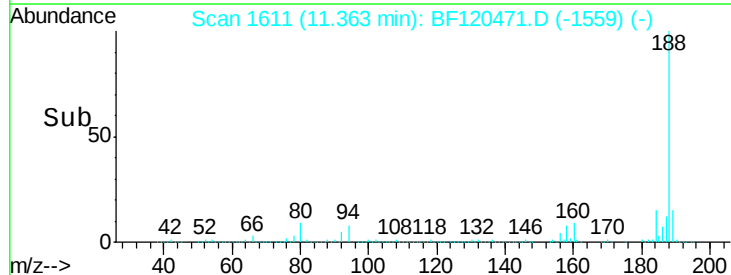
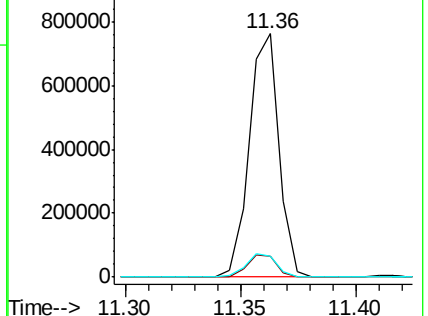
Tgt Ion:188	Resp:	684499
Ion Ratio	Lower	Upper
188	100	
94	8.5	7.9 11.9
80	8.5	8.6 13.0#

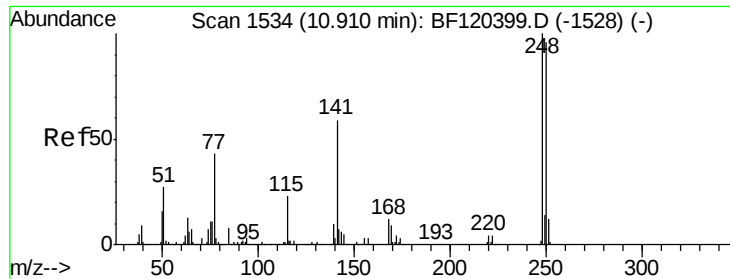


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

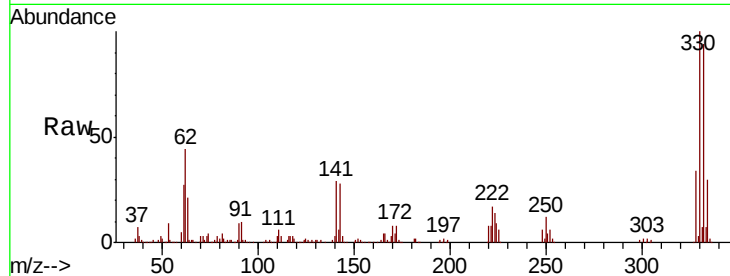




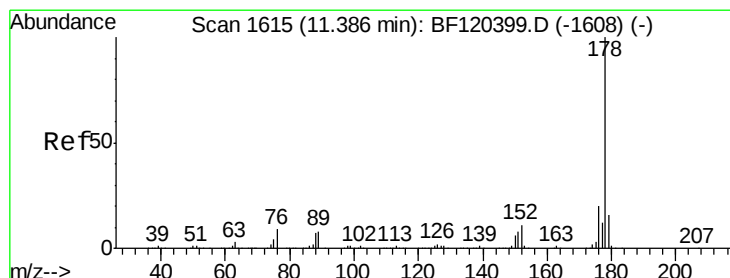
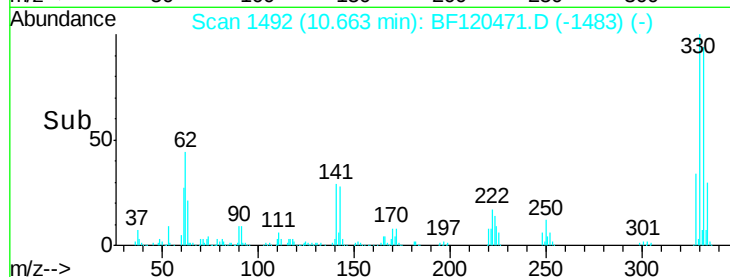
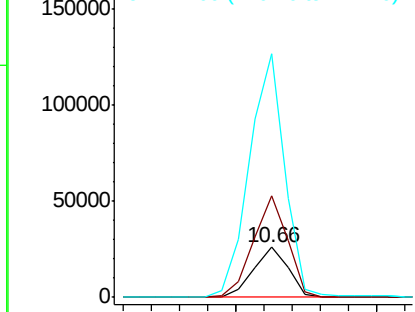
#67
 4-Bromophenyl-phenylether
 Concen: 3.218 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.25 min
 Lab File: BF120471.D
 Acq: 1 Jun 2020 15:18

Instrument :
 BNA_F
 ClientSampleId :
 NM60-COMP-2020-0-6

Tot Ion:248 Resp: 22236
 Ion Ratio Lower Upper
 248 100
 250 204.1 76.5 114.7#
 141 487.9 47.2 70.8#

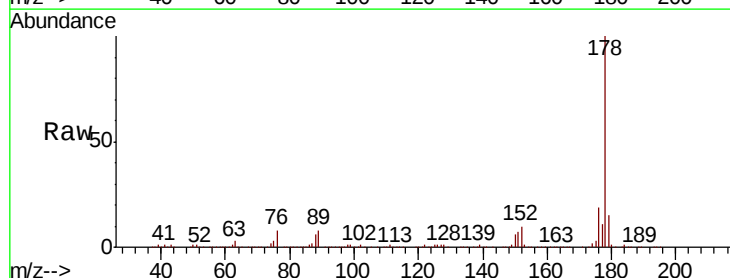


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

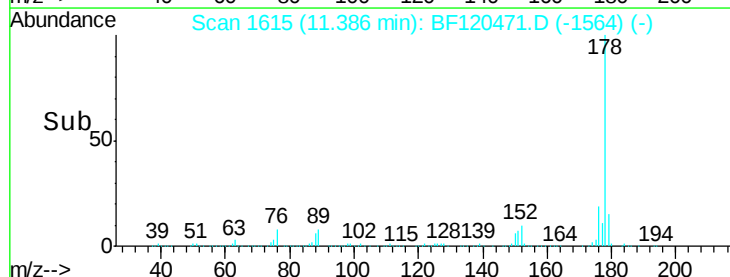
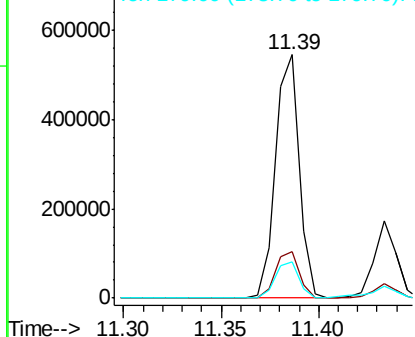


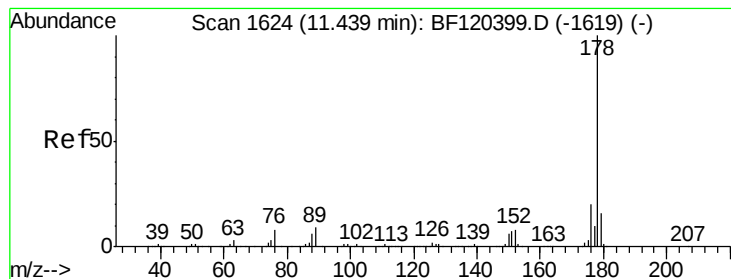
#71
 Phenanthrene
 Concen: 15.306 ng
 RT: 11.39 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF120471.D
 Acq: 1 Jun 2020 15:18

Tgt Ion:178 Resp: 461659
 Ion Ratio Lower Upper
 178 100
 176 19.3 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





#72

Anthracene

Concen: 4.395 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

Instrument :

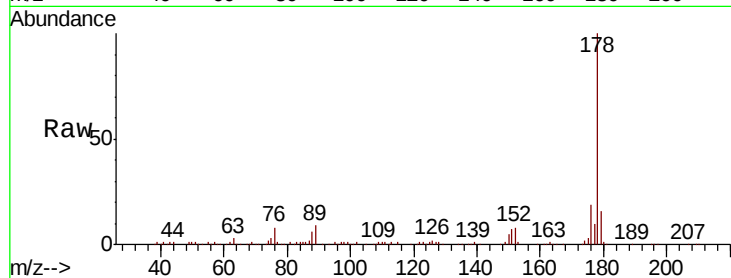
BNA_F

ClientSampleId :

NM60-COMP-2020-0-6

Tot Ion:178 Resp: 132991

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.6	12.8	19.2

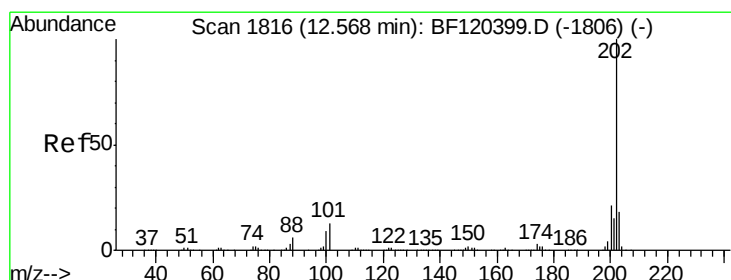
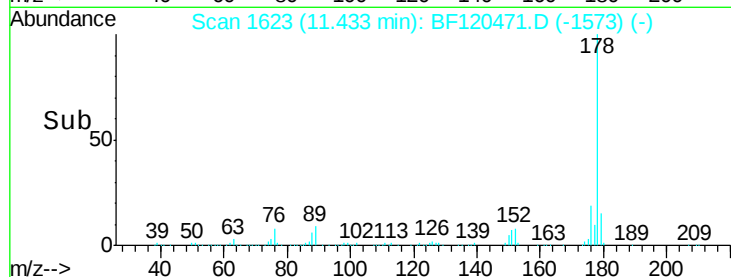
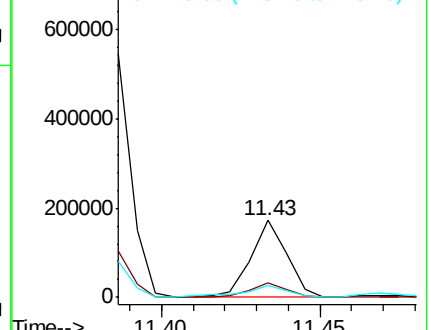


Abundance

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



#75

Fluoranthene

Concen: 27.777 ng

RT: 12.57 min Scan# 1817

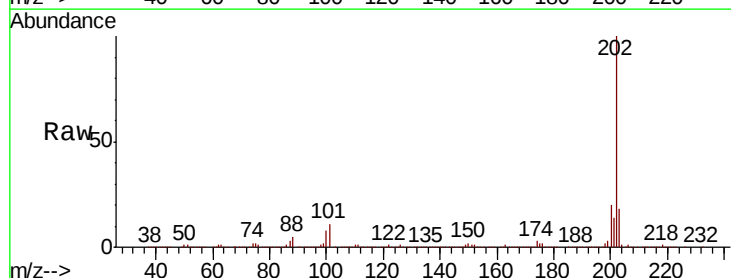
Delta R.T. 0.00 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

Tgt Ion:202 Resp: 901468

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.6
203	17.6	0.0	38.4

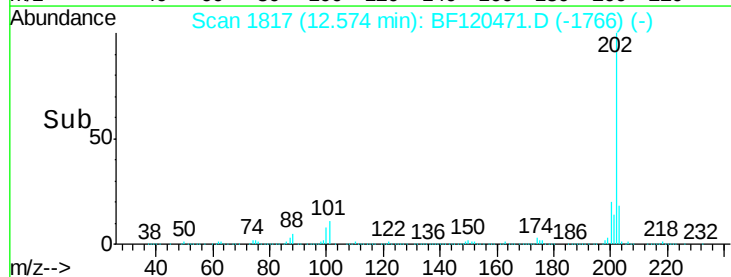
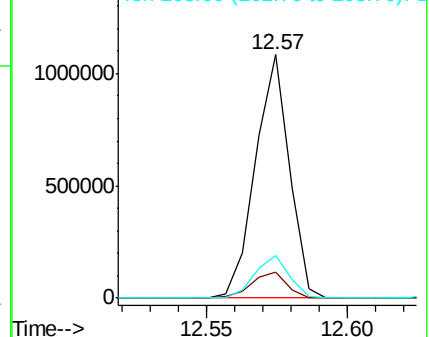


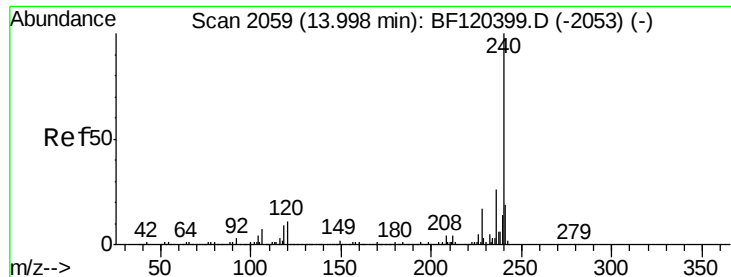
Abundance

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

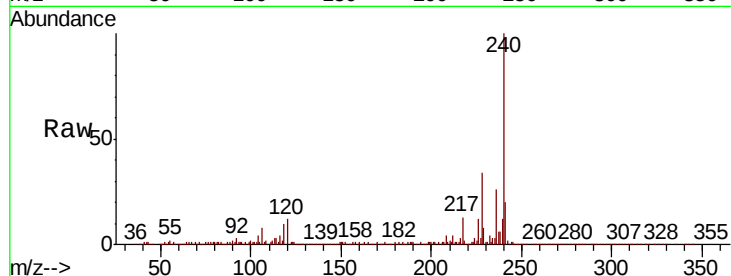




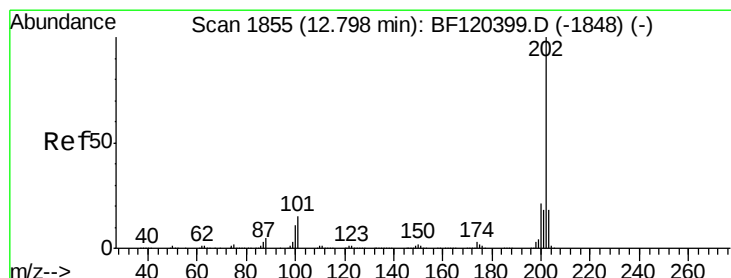
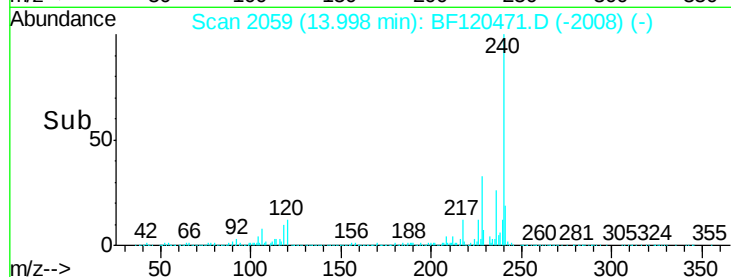
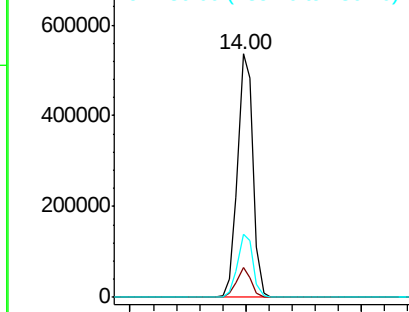
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. 0.00 min
Lab File: BF120471.D
Acq: 1 Jun 2020 15:18

Instrument :
BNA_F
ClientSampleId :
NM60-COMP-2020-0-6

Tot Ion:240 Resp: 497617
Ion Ratio Lower Upper
240 100
120 12.4 8.8 13.2
236 26.0 21.0 31.4

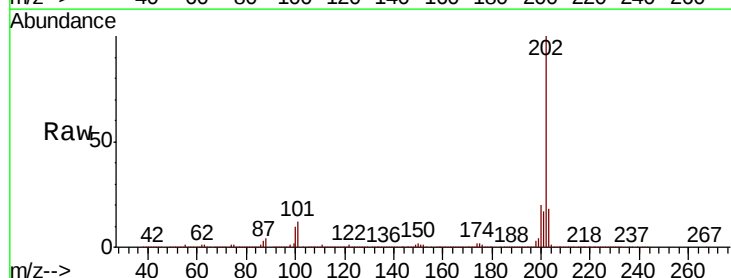


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

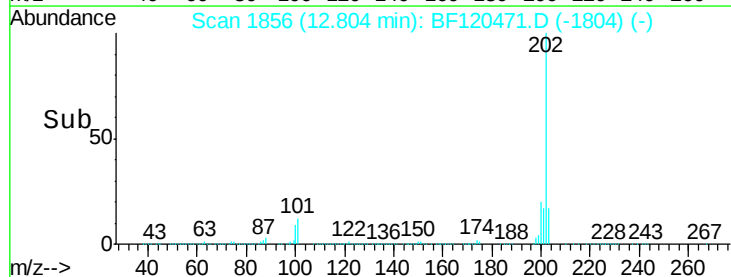
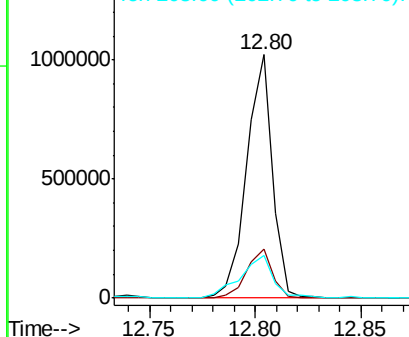


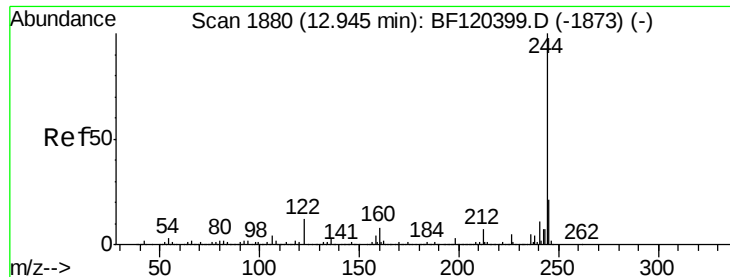
#78
Pyrene
Concen: 25.053 ng
RT: 12.80 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF120471.D
Acq: 1 Jun 2020 15:18

Tgt Ion:202 Resp: 866982
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.4
203 17.5 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: 67.537 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

Instrument :

BNA_F

ClientSampleId :

NM60-COMP-2020-0-6

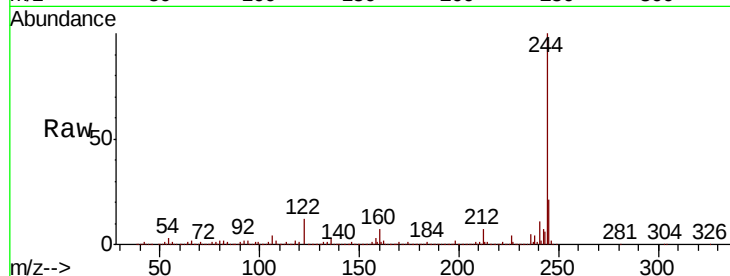
Tot Ion:244 Resp: 1510291

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

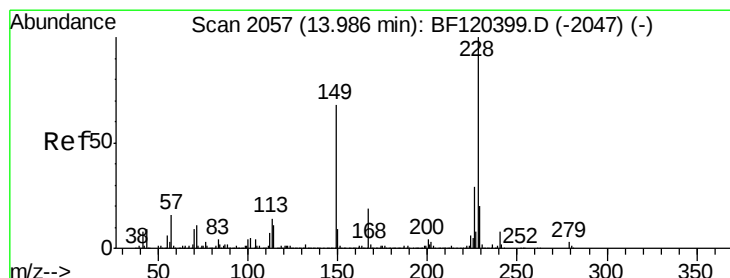
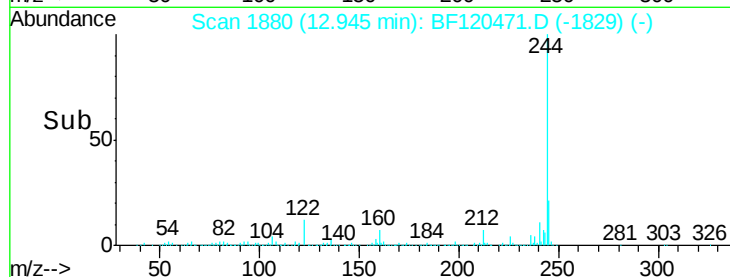
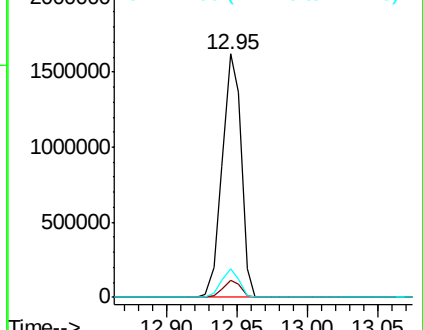
122 11.6 9.2 13.8



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: 17.978 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

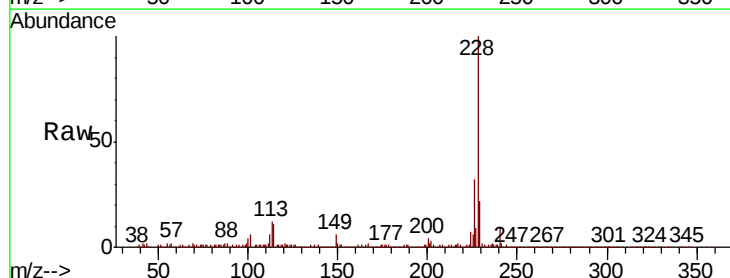
Tgt Ion:228 Resp: 479473

Ion Ratio Lower Upper

228 100

226 32.1 23.0 34.4

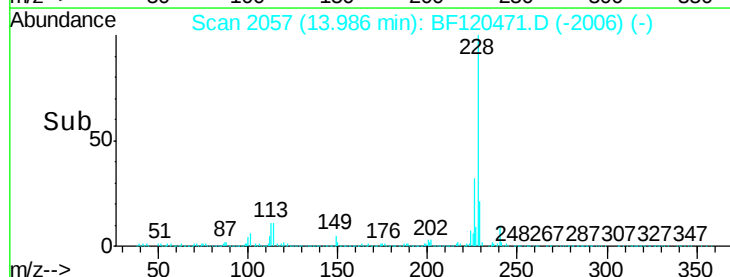
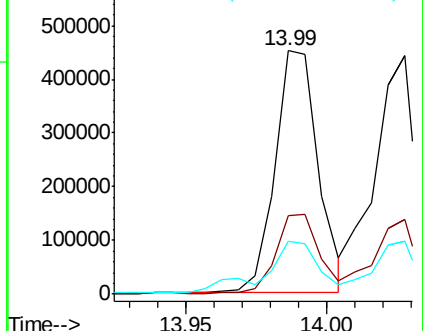
229 21.6 16.2 24.4

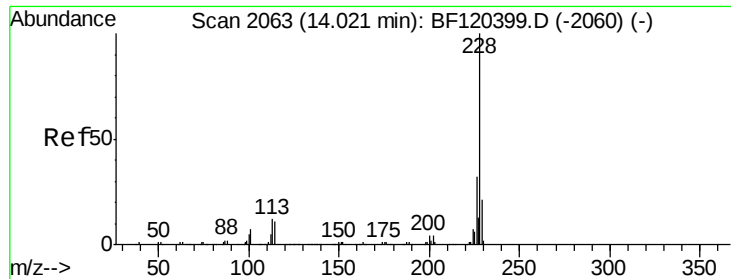


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

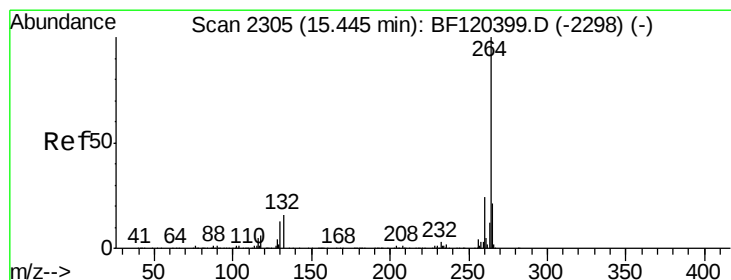
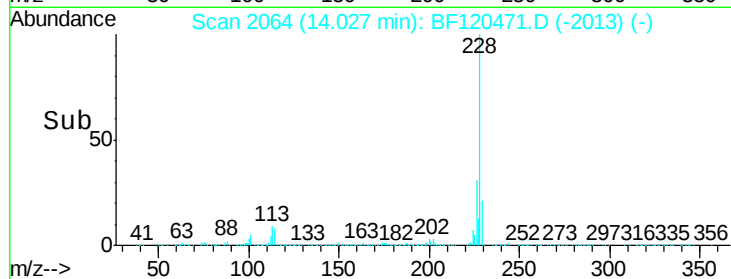
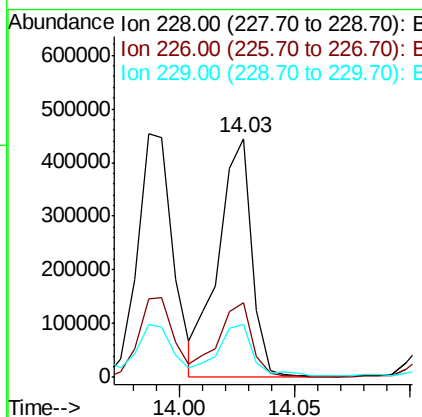
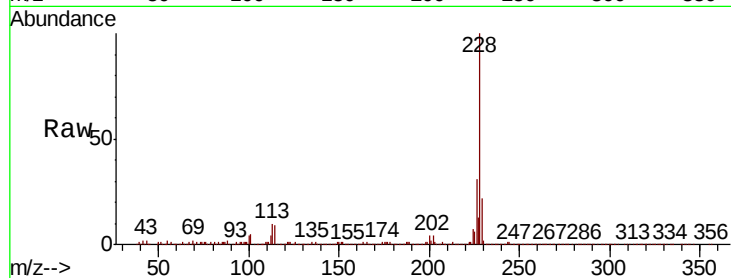




#83
Chrysene
Concen: 15.883 ng
RT: 14.03 min Scan# 2064
Delta R.T. 0.00 min
Lab File: BF120471.D
Acq: 1 Jun 2020 15:18

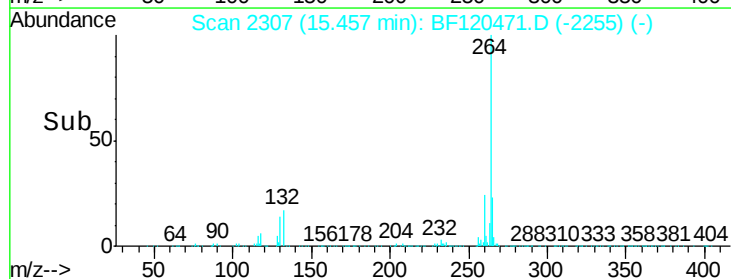
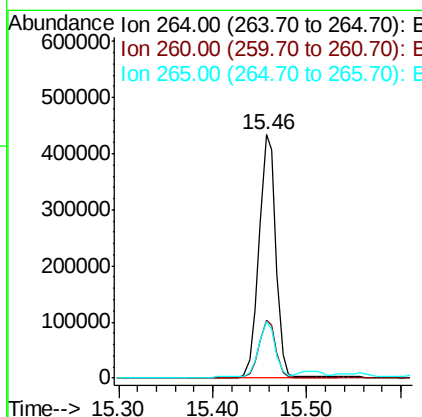
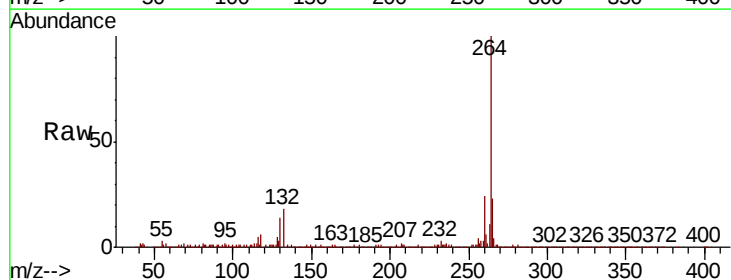
Instrument :
BNA_F
ClientSampleId :
NM60-COMP-2020-0-6

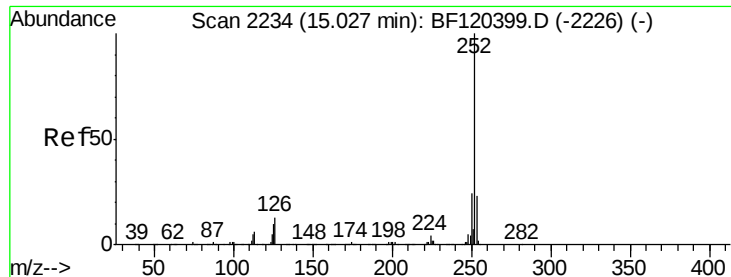
Tot Ion:228 Resp: 444088
Ion Ratio Lower Upper
228 100
226 31.0 25.6 38.4
229 21.9 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120471.D
Acq: 1 Jun 2020 15:18

Tgt Ion:264 Resp: 539967
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 23.1 16.9 25.3

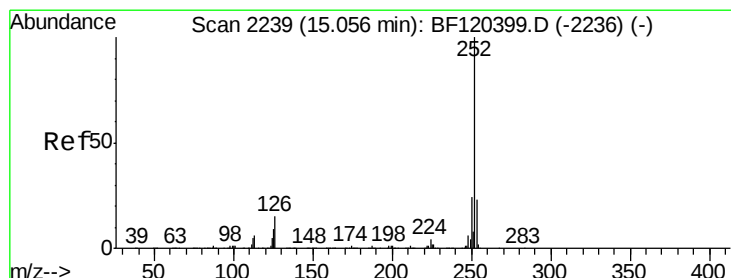
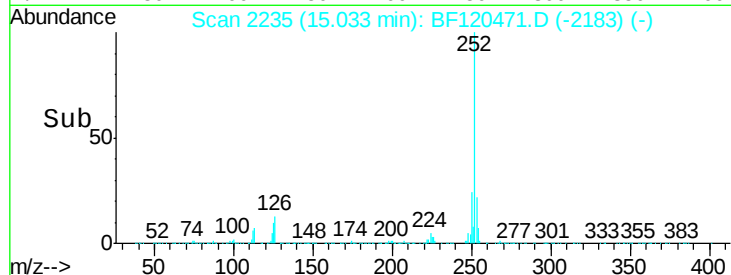
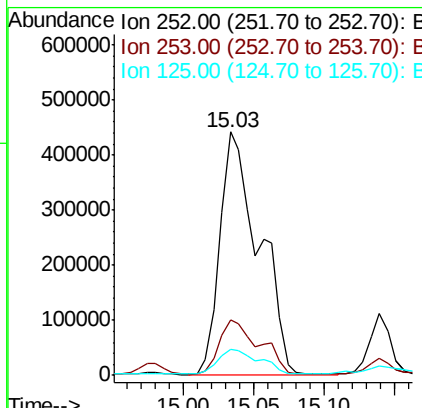
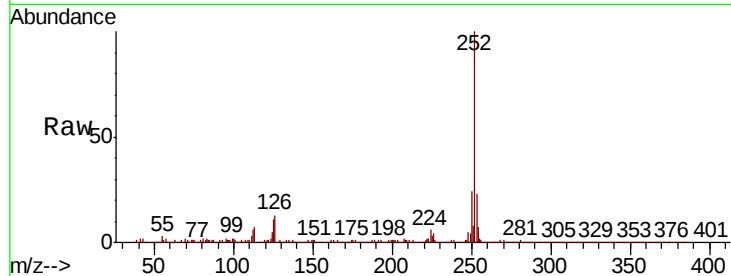




#88
Benzo(b)fluoranthene
Concen: 28.447 ng
RT: 15.03 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF120471.D
Acq: 1 Jun 2020 15:18

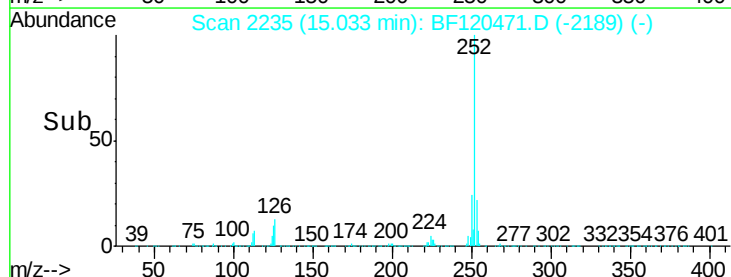
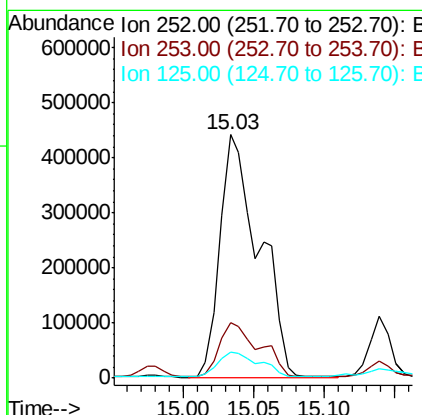
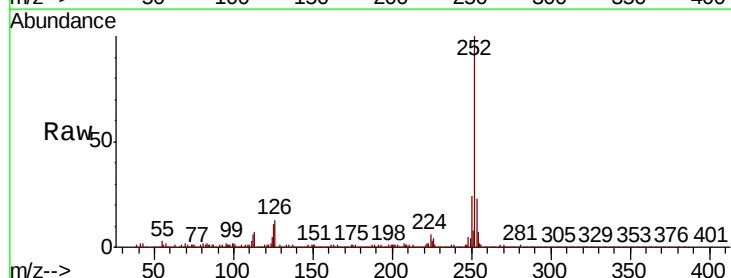
Instrument :
BNA_F
ClientSampleId :
NM60-COMP-2020-0-6

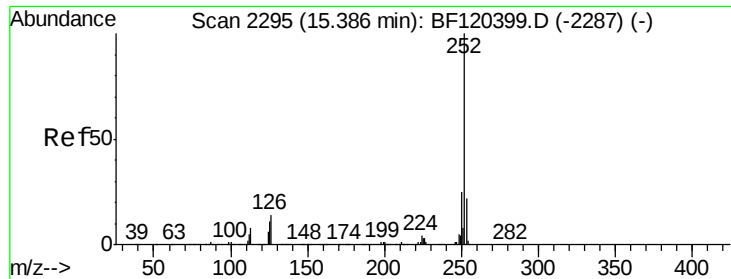
Tot Ion:252 Resp: 853161
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 10.9 7.8 11.8



#89
Benzo(k)fluoranthene
Concen: 30.472 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF120471.D
Acq: 1 Jun 2020 15:18

Tgt Ion:252 Resp: 853161
Ion Ratio Lower Upper
252 100
253 22.6 18.5 27.7
125 10.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 17.537 ng

RT: 15.40 min Scan# 2297

Delta R.T. 0.01 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

Instrument :

BNA_F

ClientSampleId :

NM60-COMP-2020-0-6

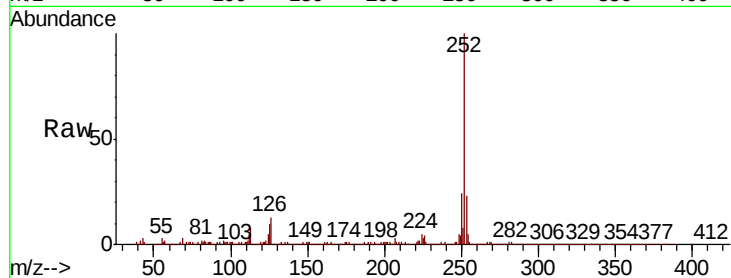
Tot Ion:252 Resp: 460057

Ion Ratio Lower Upper

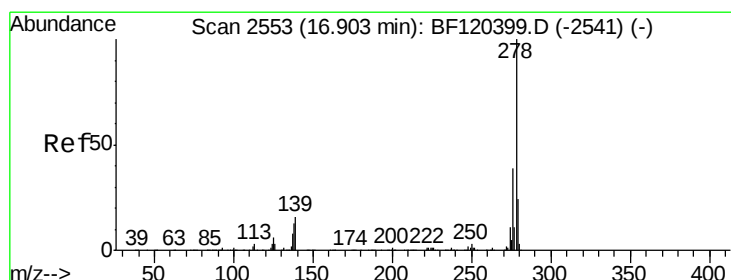
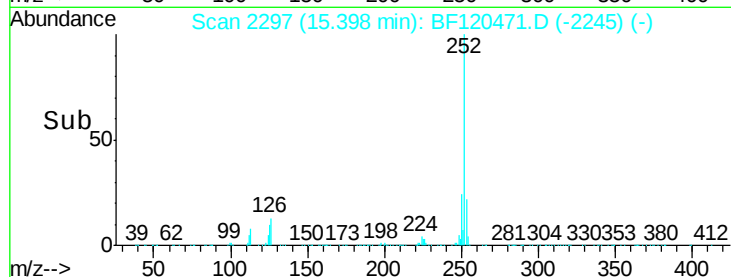
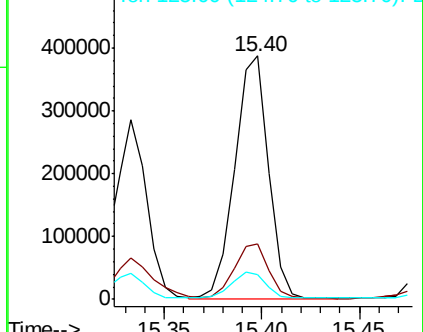
252 100

253 22.6 17.4 26.0

125 10.4 8.7 13.1



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



#91

Dibenzo(a,h)anthracene

Concen: 2.885 ng

RT: 16.91 min Scan# 2554

Delta R.T. 0.00 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

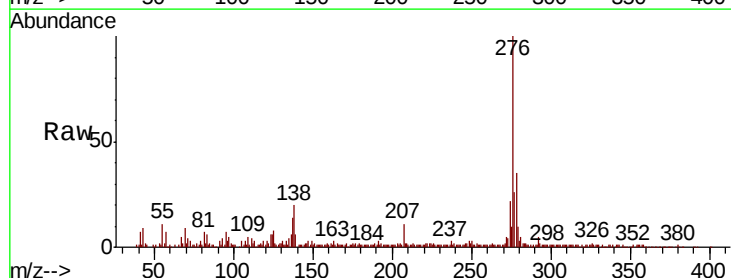
Tgt Ion:278 Resp: 69474

Ion Ratio Lower Upper

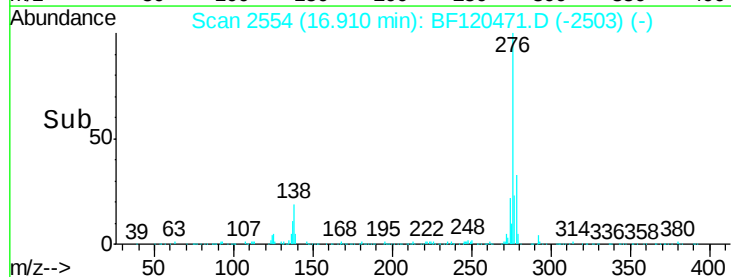
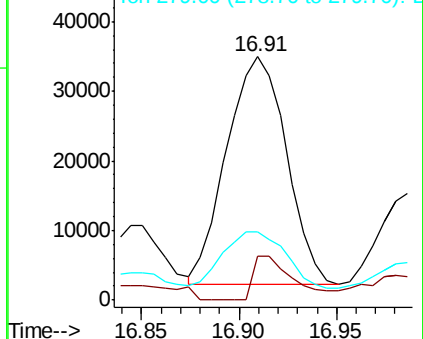
278 100

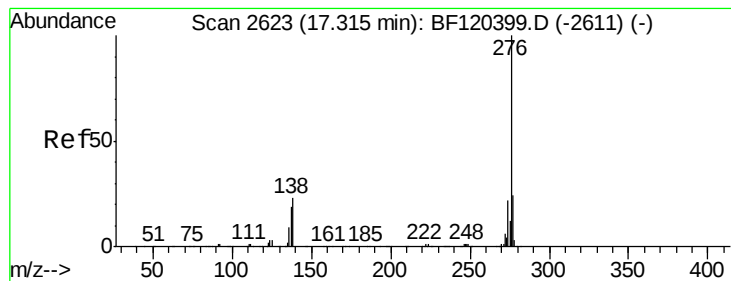
139 18.0 12.8 19.2

279 28.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 10.961 ng

RT: 17.34 min Scan# 2627

Delta R.T. 0.01 min

Lab File: BF120471.D

Acq: 1 Jun 2020 15:18

Instrument :

BNA_F

ClientSampleId :

NM60-COMP-2020-0-6

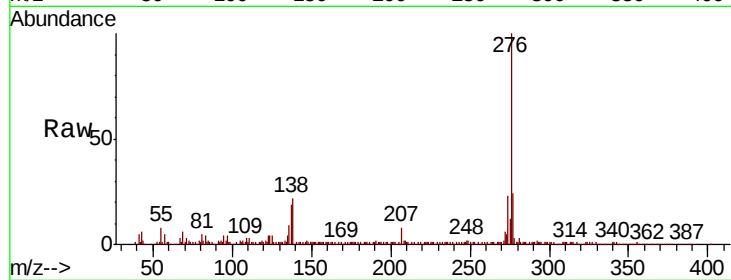
Tot Ion:276 Resp: 260306

Ion Ratio Lower Upper

276 100

277 23.7 19.5 29.3

138 21.9 18.1 27.1



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

