

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120517.D
 Acq On : 3 Jun 2020 18:47
 Operator : JU/CG
 Sample : L2839-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM102-COMP-2020-0-6

Quant Time: Jun 04 00:41:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	131628	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	480511	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	237032	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	492386	20.00	ng	0.00
76) Chrysene-d12	14.00	240	354988	20.00	ng	-0.01
86) Perylene-d12	15.45	264	296057	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	659026	95.42	ng	0.00
7) Phenol-d6	6.47	99	832128	97.75	ng	0.00
23) Nitrobenzene-d5	7.40	82	555079	75.56	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	254392	115.83	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1074003	76.88	ng	0.00
79) Terphenyl-d14	12.95	244	1160273	72.73	ng	0.00

Target Compounds

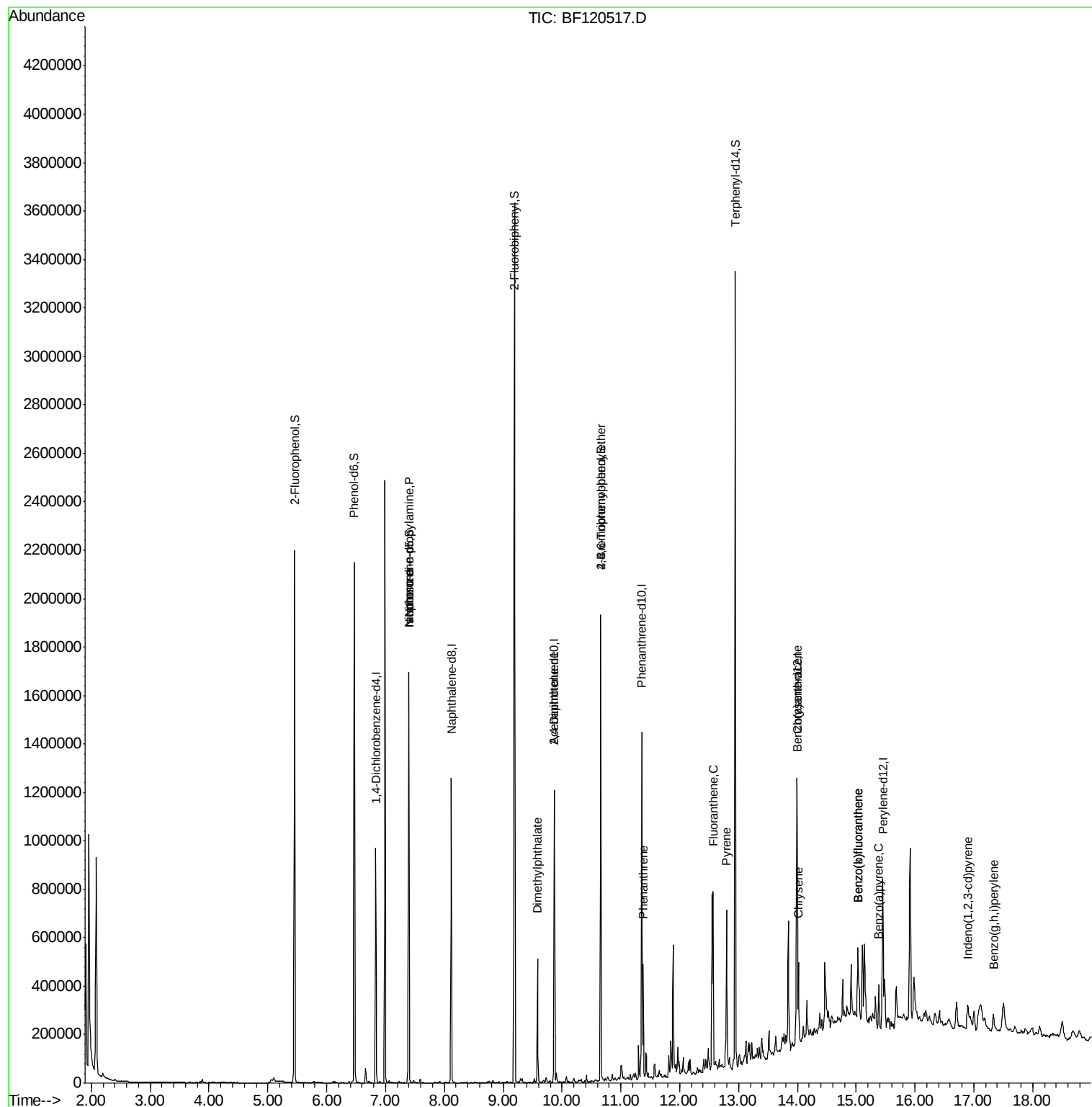
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	74803	13.823	ng	# 75
25) Isophorone	7.40	82	552983	37.455	ng	# 64
50) Dimethylphthalate	9.59	163	204173	13.778	ng	99
57) 2,4-Dinitrotoluene	9.87	165	30251	7.177	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	15352	3.089	ng	# 1
71) Phenanthrene	11.38	178	161025	7.422	ng	96
75) Fluoranthene	12.57	202	260500	11.159	ng	99
78) Pyrene	12.80	202	249371	10.101	ng	97
81) Benzo(a)anthracene	13.99	228	133993	7.043	ng	100
83) Chrysene	14.02	228	119874	6.010	ng	96
87) Indeno(1,2,3-cd)pyrene	16.90	276	59691	3.686	ng	95
88) Benzo(b)fluoranthene	15.03	252	196121	11.927	ng	98
89) Benzo(k)fluoranthene	15.03	252	196121	12.776	ng	97
90) Benzo(a)pyrene	15.39	252	87979	6.117	ng	97
92) Benzo(a,h,i)perylene	17.33	276	57355	4.405	ng	100

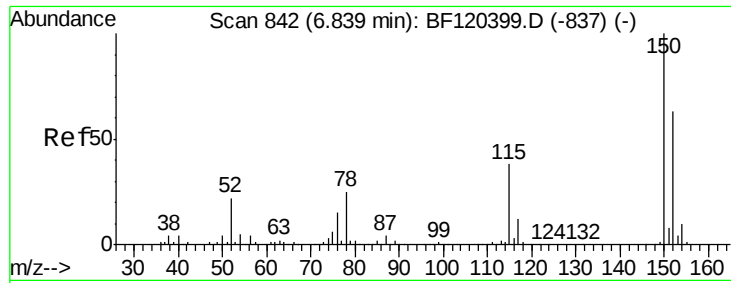
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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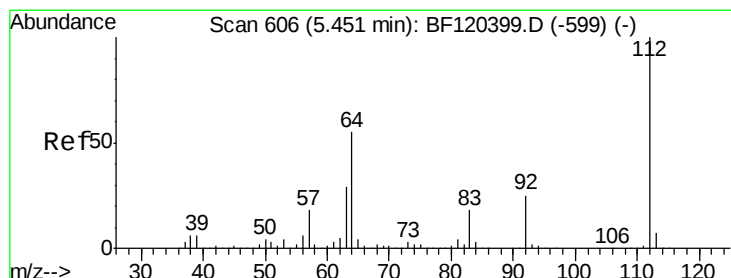
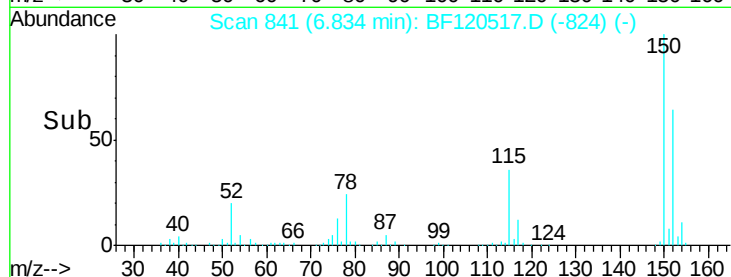
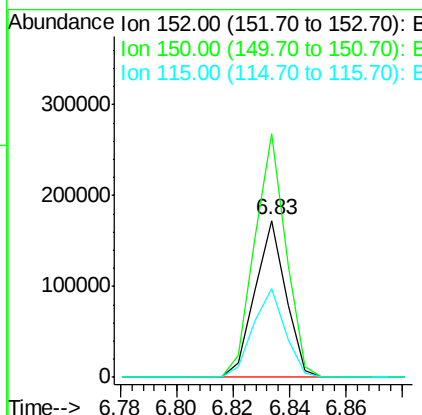
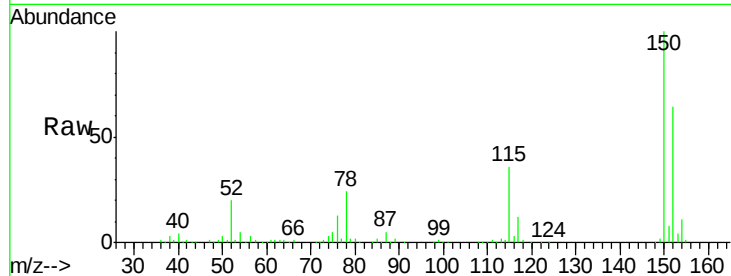


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF120517.D
 Acq: 3 Jun 2020 18:47

Instrument :
 BNA_F
 ClientSampleId :
 NM102-COMP-2020-0-6

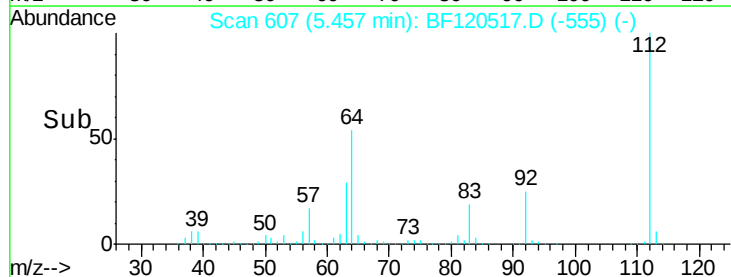
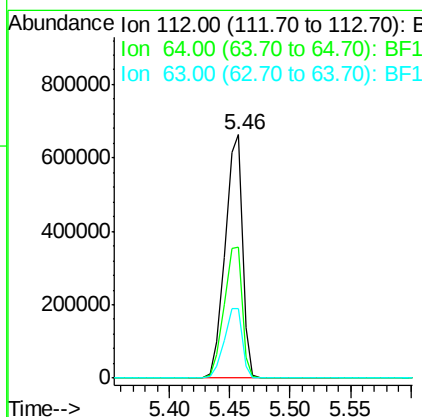
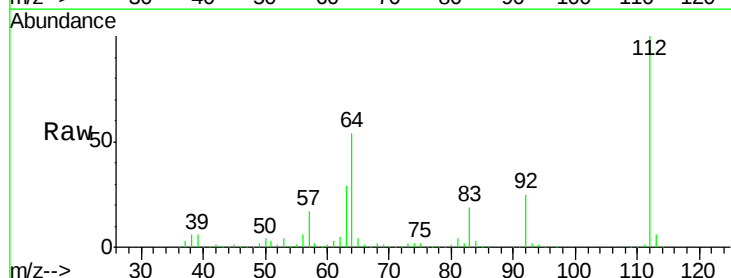
Tot Ion:152 Resp: 131628
 Ion Ratio Lower Upper
 152 100
 150 155.4 127.1 190.7
 115 56.7 48.7 73.1



#5

2-Fluorophenol
 Concen: 95.416 ng
 RT: 5.46 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: BF120517.D
 Acq: 3 Jun 2020 18:47

Tgt Ion:112 Resp: 659026
 Ion Ratio Lower Upper
 112 100
 64 53.9 45.8 68.8
 63 28.5 23.7 35.5





#7

Phenol-d6

Concen: 97.745 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

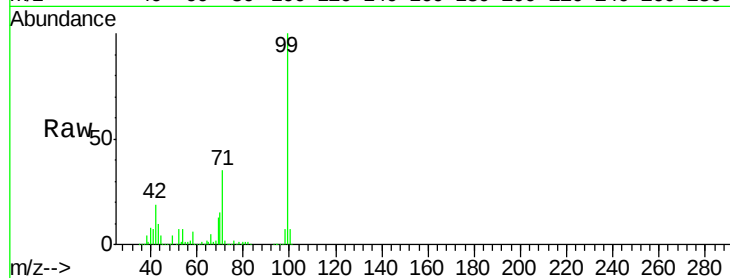
Tot Ion: 99 Resp: 832128

Ion Ratio Lower Upper

99 100

42 19.5 15.0 22.4

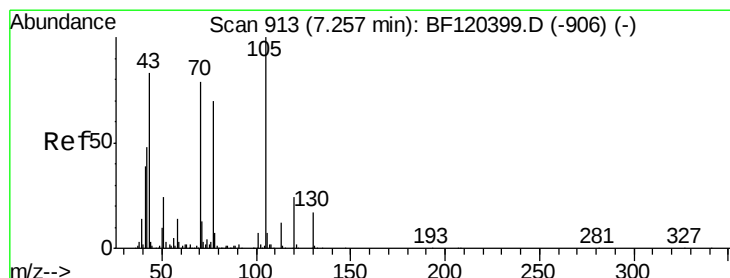
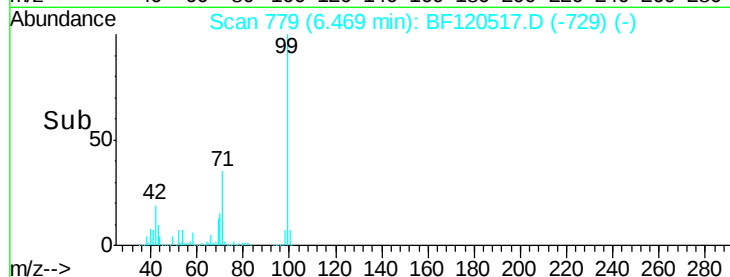
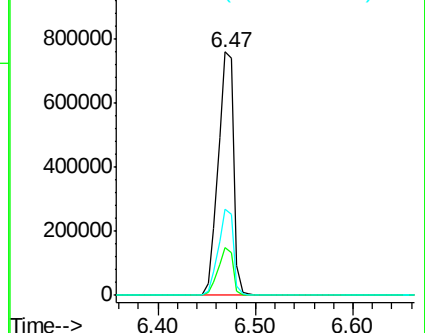
71 35.3 26.3 39.5



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: 13.823 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

Tgt Ion: 70 Resp: 74803

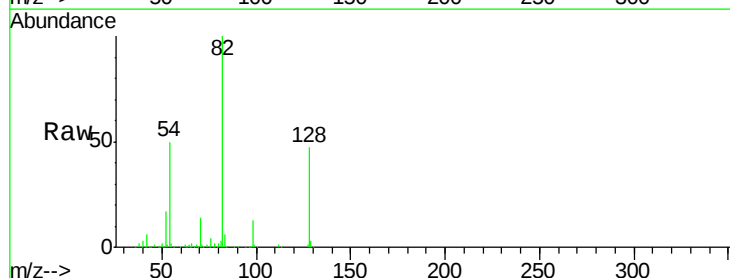
Ion Ratio Lower Upper

70 100

42 45.3 47.6 71.4#

101 0.0 7.4 11.0#

130 2.0 17.1 25.7#

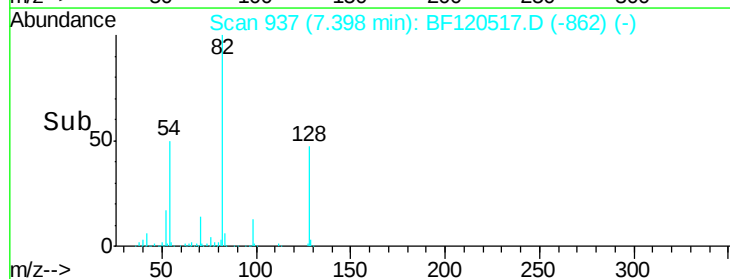
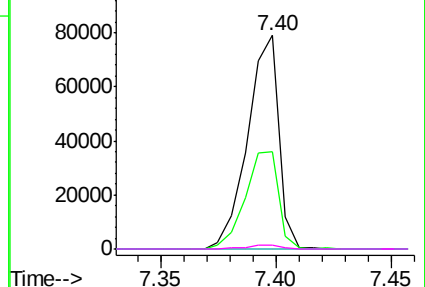


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1059

Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

Tot Ion:136 Resp: 480511

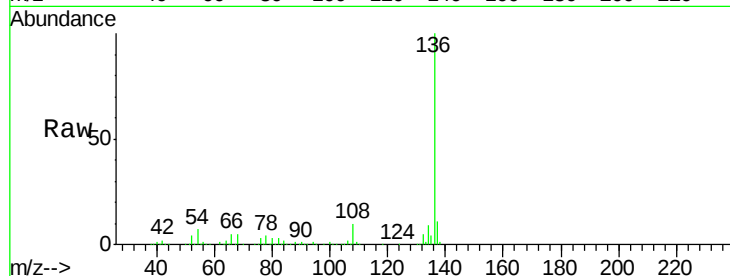
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.1 6.0 9.0

68 5.2 4.8 7.2

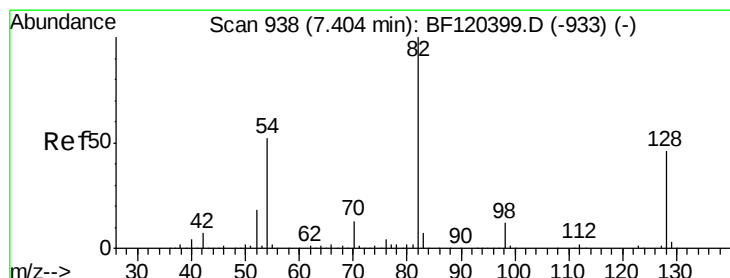
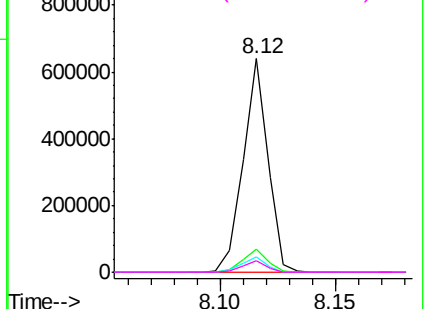
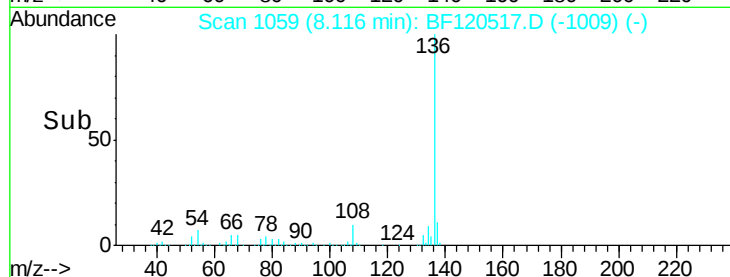


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.564 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

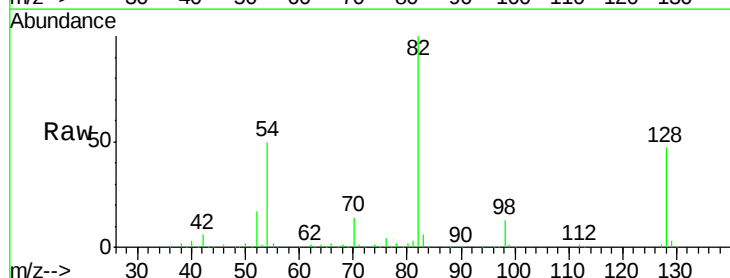
Tgt Ion: 82 Resp: 555079

Ion Ratio Lower Upper

82 100

128 47.0 37.4 56.0

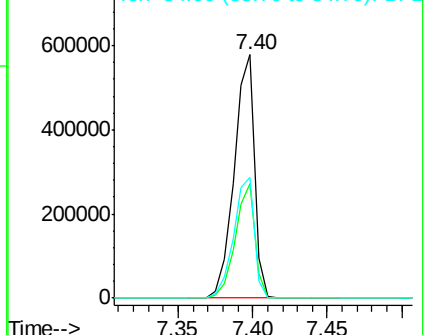
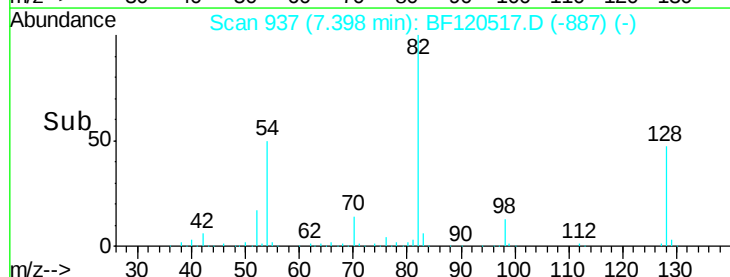
54 49.8 40.7 61.1



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: 37.455 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

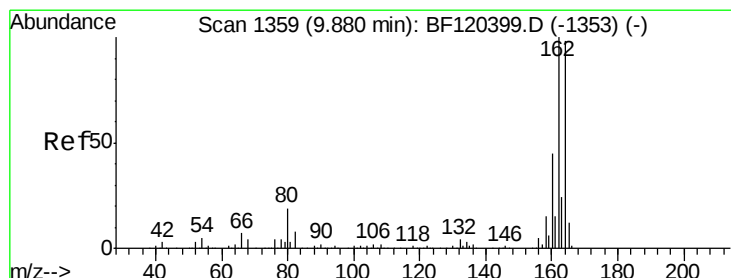
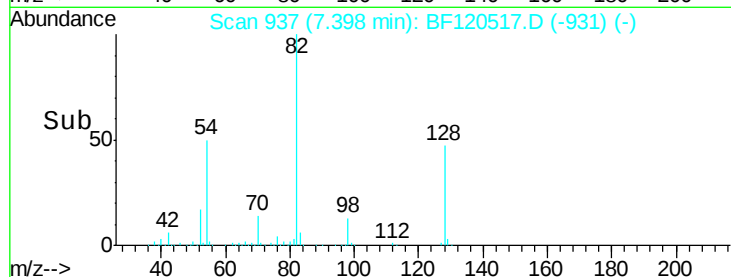
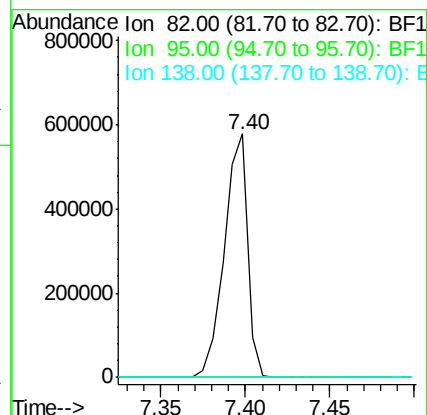
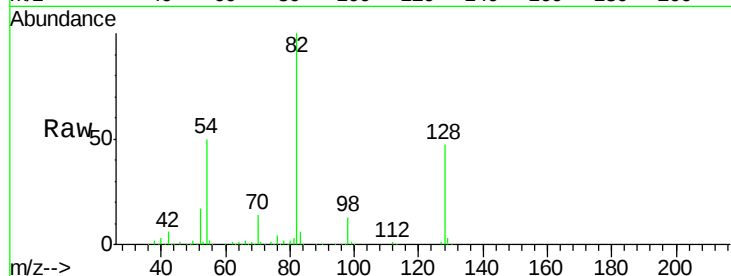
Tot Ion: 82 Resp: 552983

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.0 22.6#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

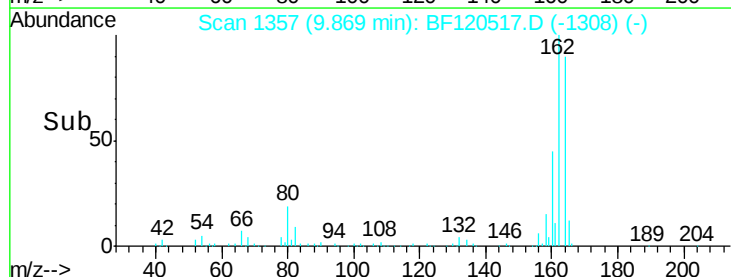
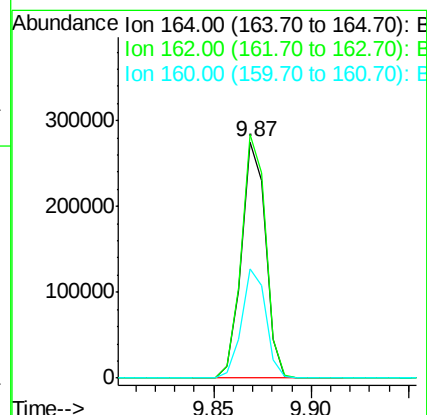
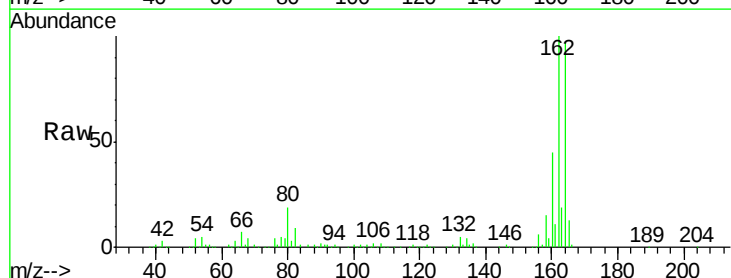
Tgt Ion: 164 Resp: 237032

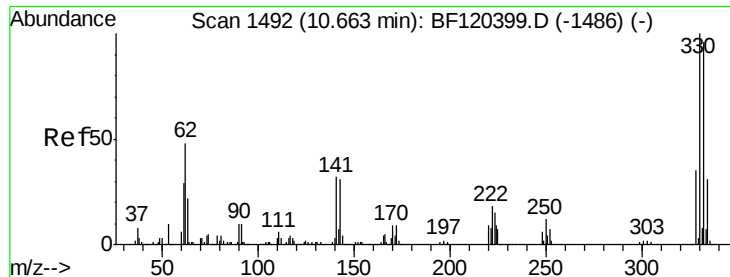
Ion Ratio Lower Upper

164 100

162 103.0 81.8 122.6

160 46.2 37.3 55.9





#42

2,4,6-Tribromophenol

Concen: 115.832 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

Instrument :

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NM102-COMP-2020-0-6

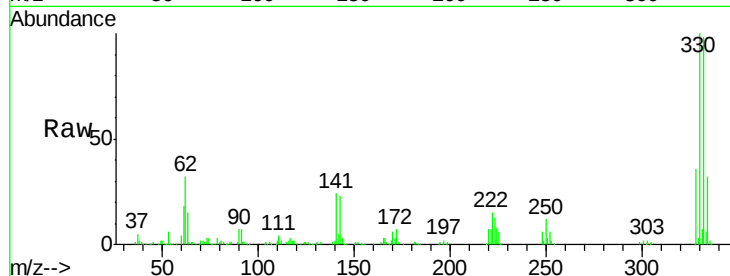
Tot Ion:330 Resp: 254392

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.2

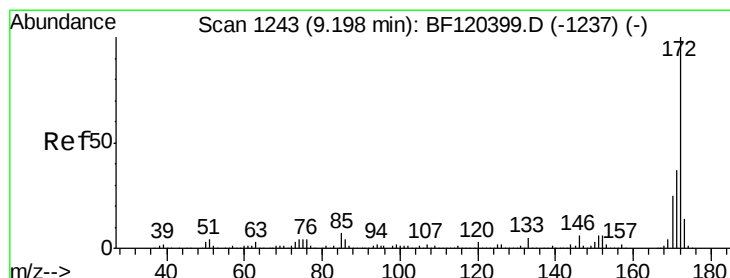
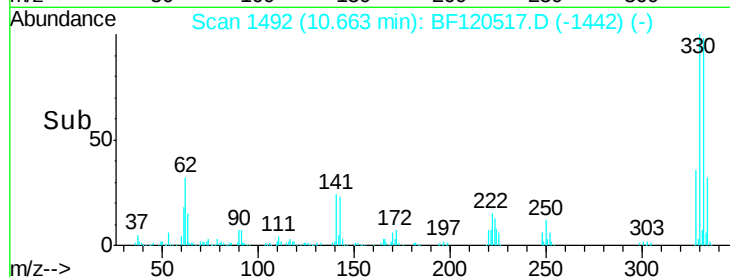
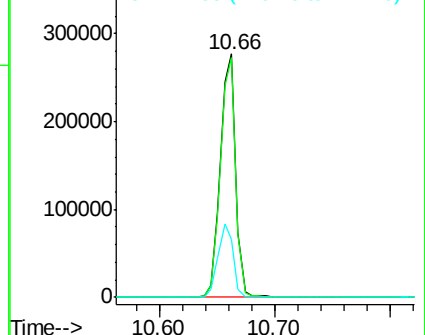
141 29.8 23.5 35.3



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: 76.878 ng

RT: 9.19 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

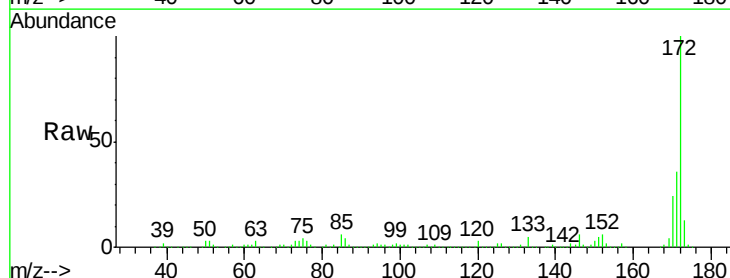
Tgt Ion:172 Resp: 1074003

Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

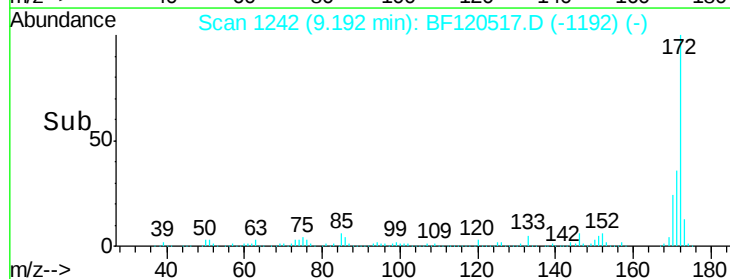
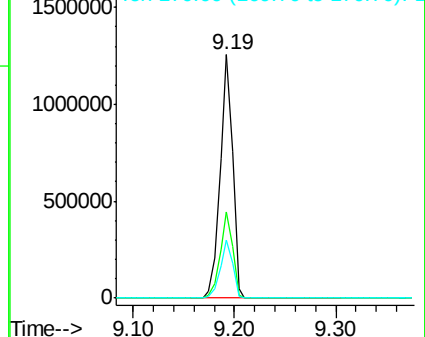
170 23.6 20.1 30.1

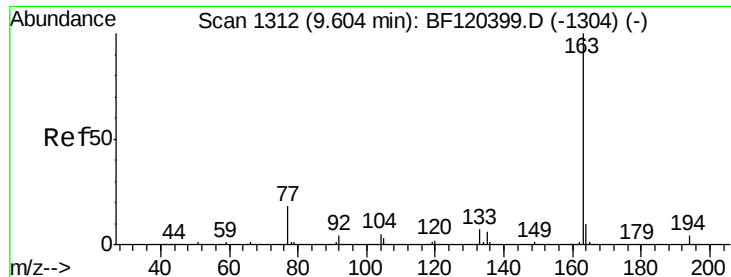


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

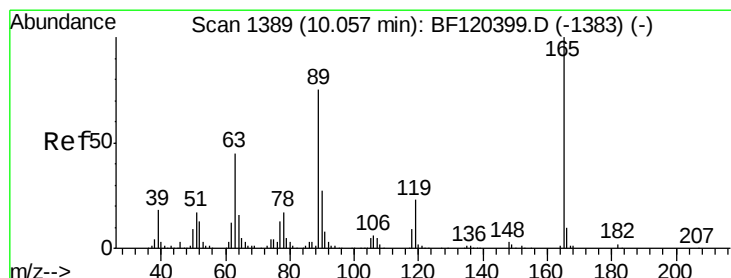
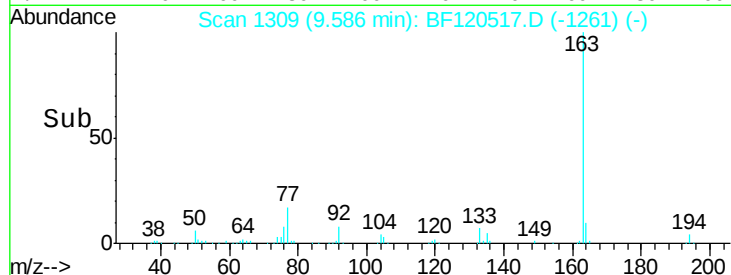
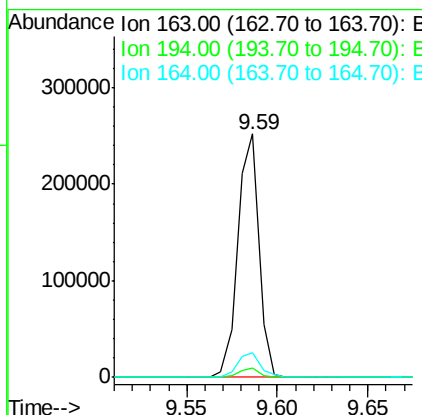
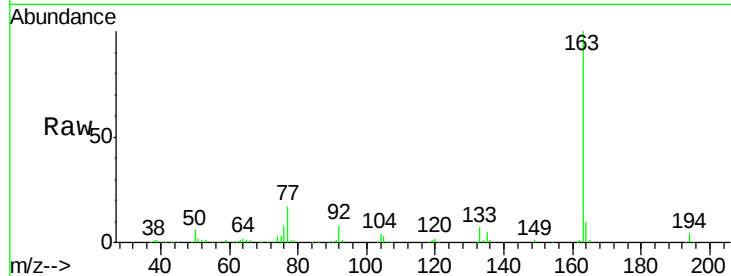




#50
Dimethylphthalate
Concen: 13.778 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120517.D
Acq: 3 Jun 2020 18:47

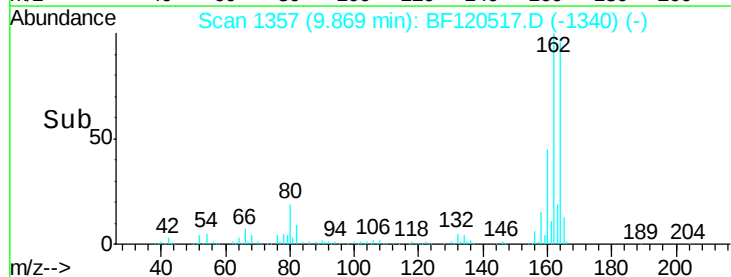
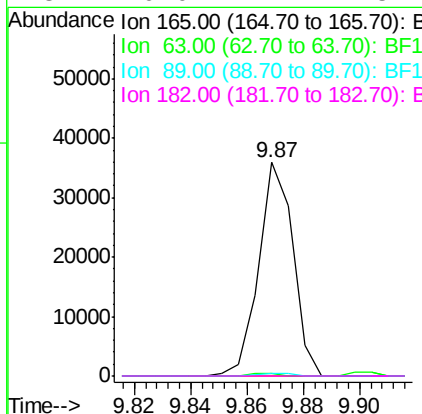
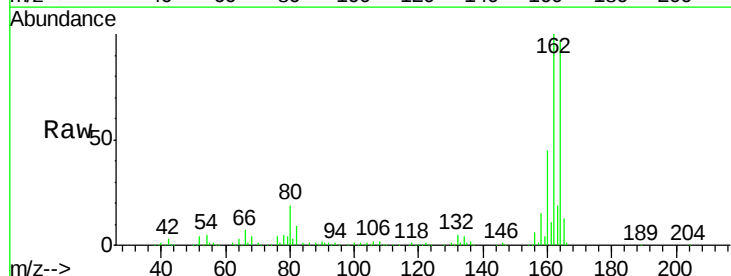
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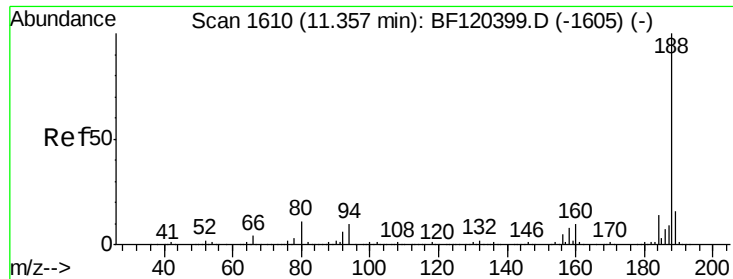
Tot Ion:163 Resp: 204173
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 7.177 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.20 min
Lab File: BF120517.D
Acq: 3 Jun 2020 18:47

Tgt Ion:165 Resp: 30251
Ion Ratio Lower Upper
165 100
63 1.1 33.4 50.0#
89 1.0 54.7 82.1#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

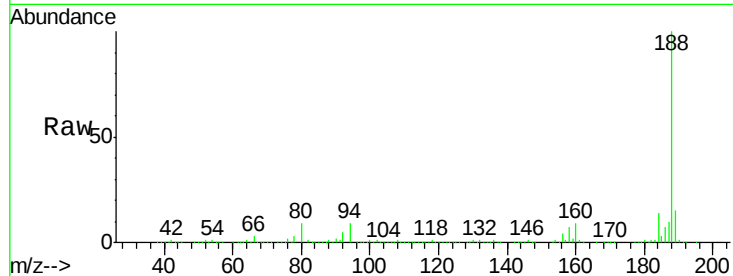
Tot Ion:188 Resp: 492386

Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

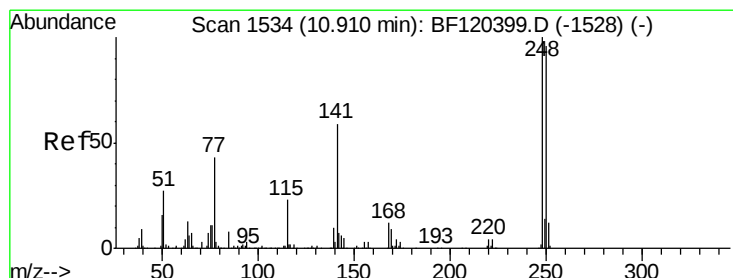
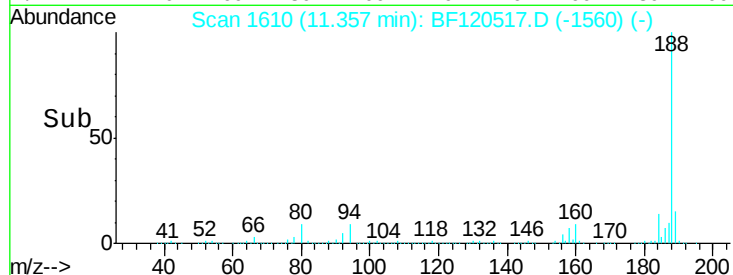
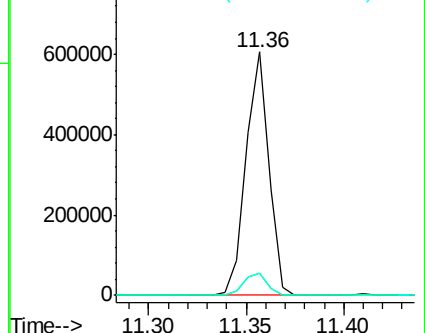
80 9.2 7.9 11.9



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: 3.089 ng

RT: 10.66 min Scan# 1492

Delta R.T. -0.25 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

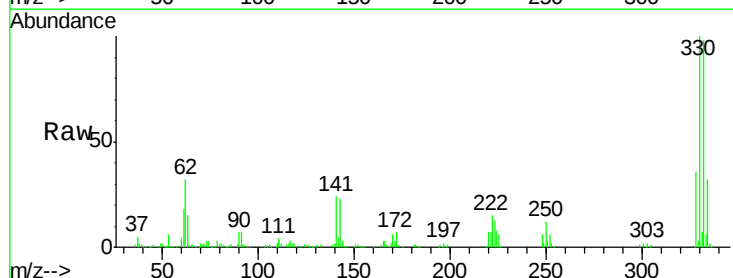
Tgt Ion:248 Resp: 15352

Ion Ratio Lower Upper

248 100

250 199.0 78.0 117.0#

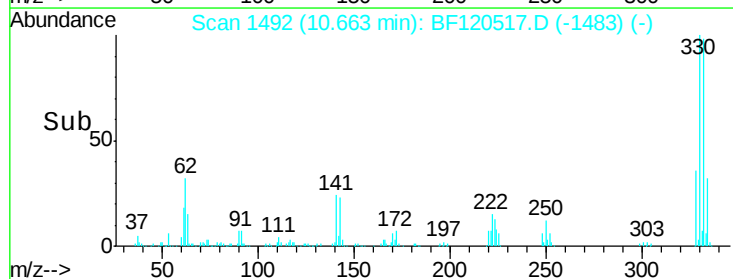
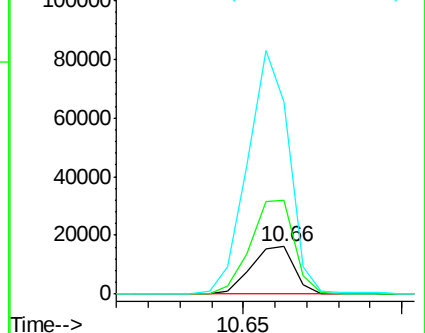
141 407.5 50.3 75.5#

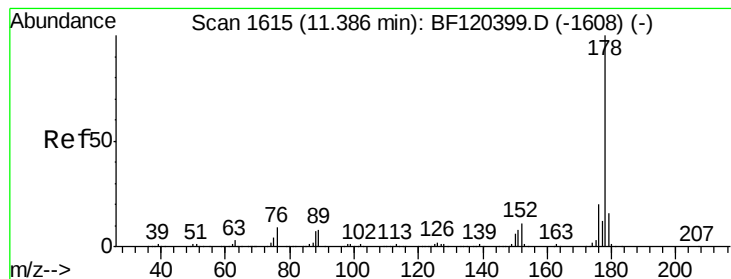


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 7.422 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

Instrument :

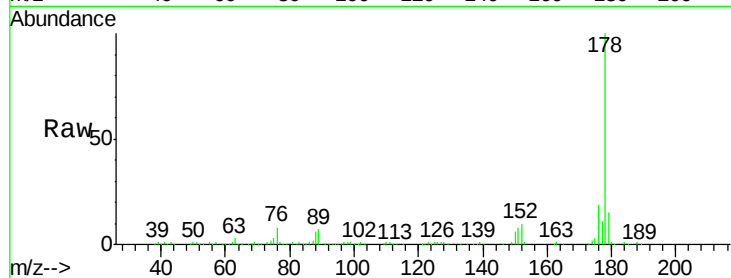
BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

Tot Ion:178 Resp: 161025

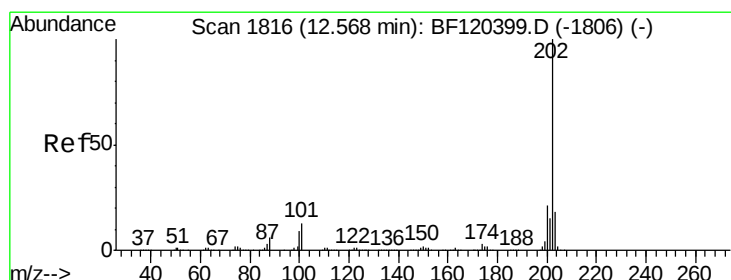
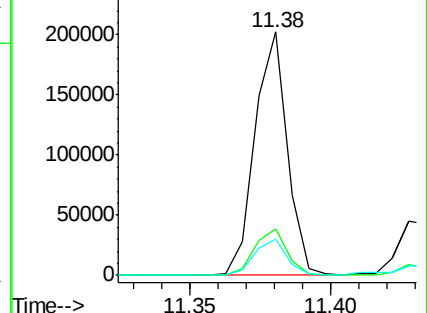
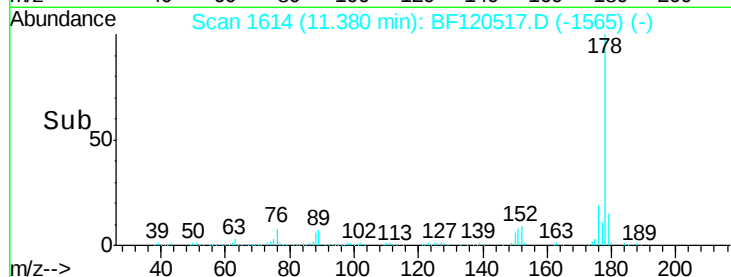
Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.6	24.8
179	14.8	13.0	19.4



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: 11.159 ng

RT: 12.57 min Scan# 1816

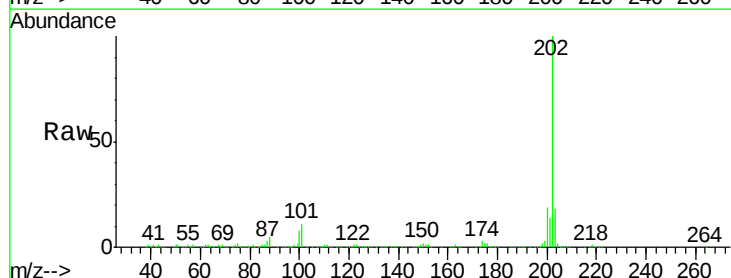
Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

Tgt Ion:202 Resp: 260500

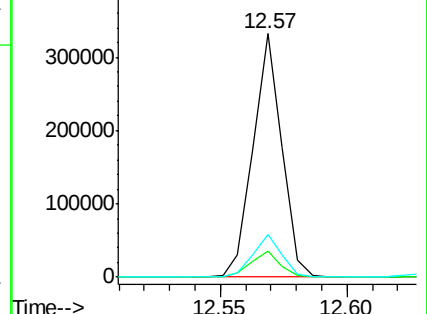
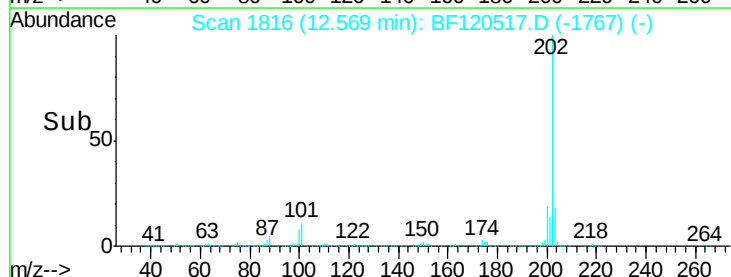
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.4
203	17.7	0.0	38.2

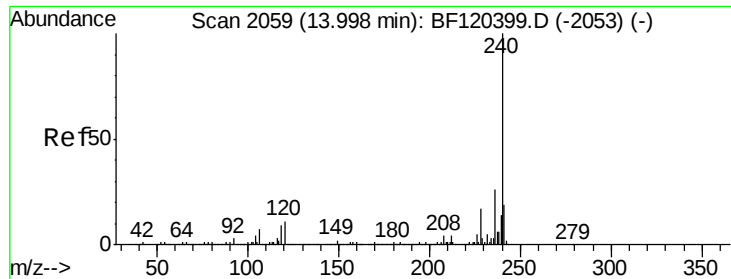


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

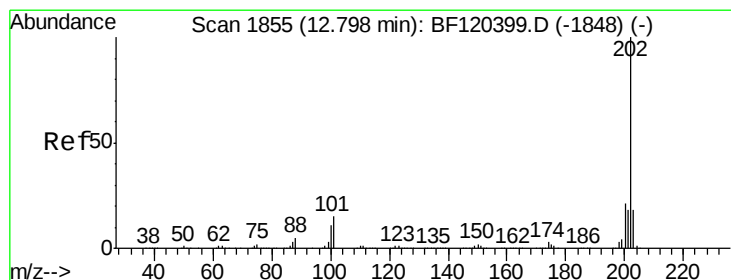
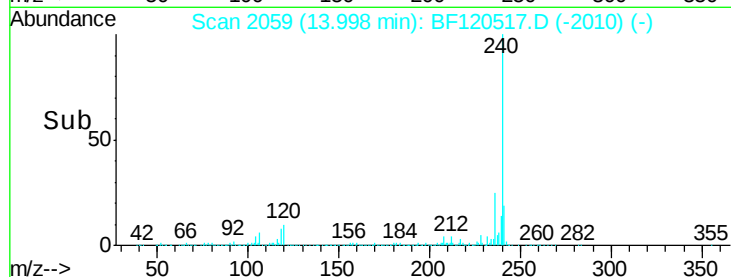
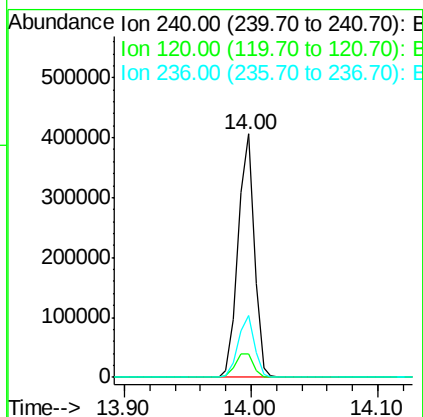
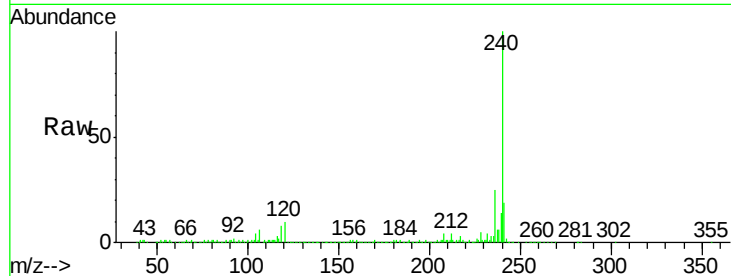




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120517.D
Acq: 3 Jun 2020 18:47

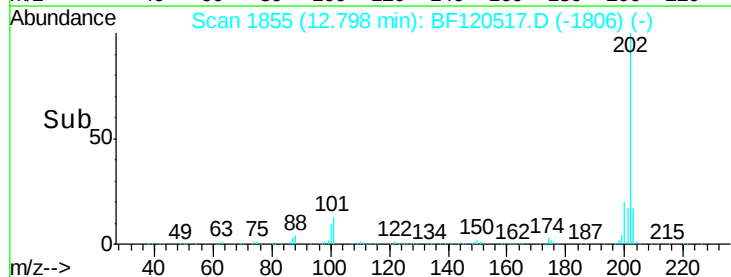
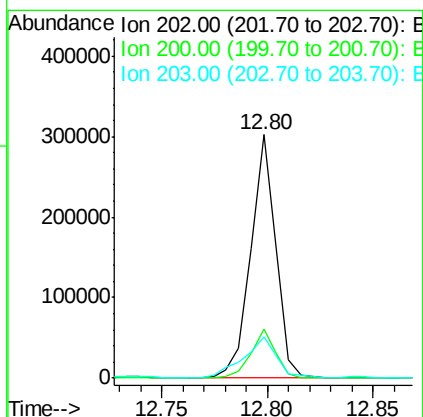
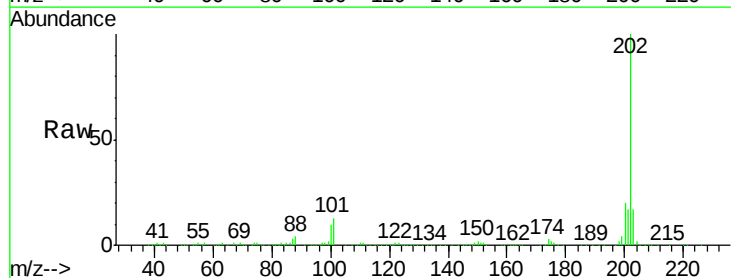
Instrument :
BNA_F
ClientSampleId :
NM102-COMP-2020-0-6

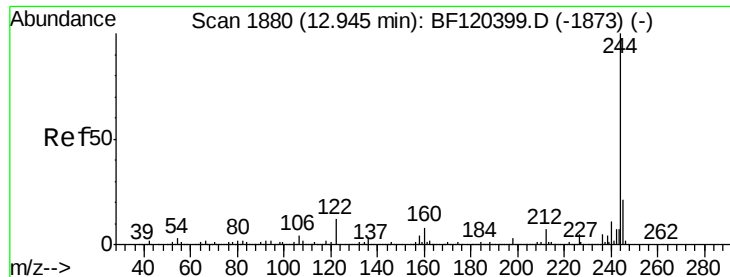
Tot Ion:240 Resp: 354988
Ion Ratio Lower Upper
240 100
120 9.7 7.9 11.9
236 25.4 21.1 31.7



#78
Pyrene
Concen: 10.101 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120517.D
Acq: 3 Jun 2020 18:47

Tgt Ion:202 Resp: 249371
Ion Ratio Lower Upper
202 100
200 20.0 17.3 25.9
203 17.2 14.5 21.7





#79

Terphenyl-d14

Concen: 72.732 ng

RT: 12.95 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

Instrument :

BNA_F

ClientSampleId :

NM102-COMP-2020-0-6

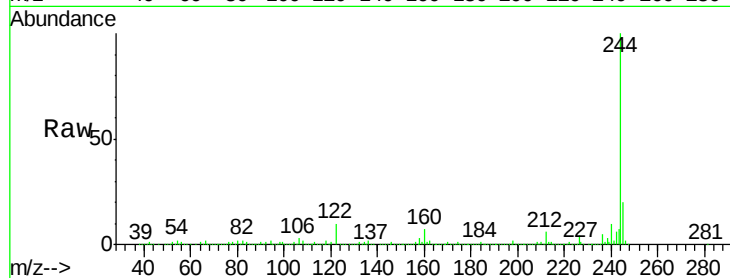
Tot Ion:244 Resp: 1160273

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

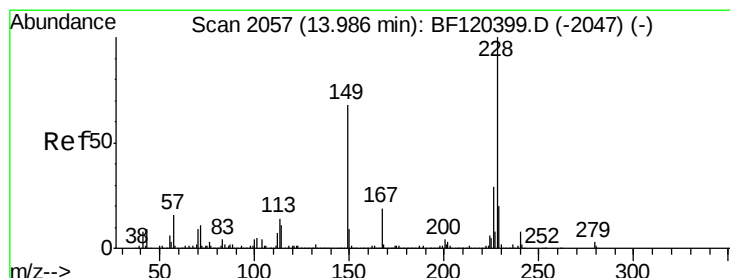
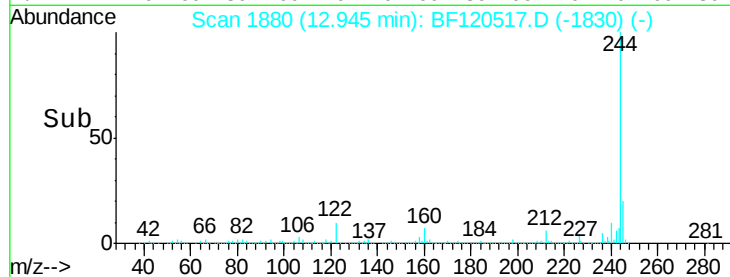
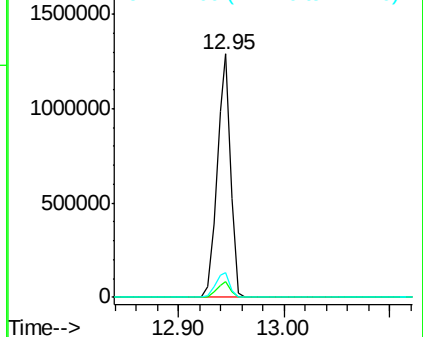
122 10.4 8.2 12.4



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: 7.043 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120517.D

Acq: 3 Jun 2020 18:47

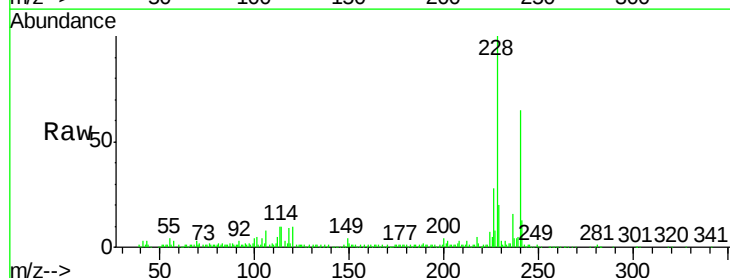
Tgt Ion:228 Resp: 133993

Ion Ratio Lower Upper

228 100

226 28.4 22.7 34.1

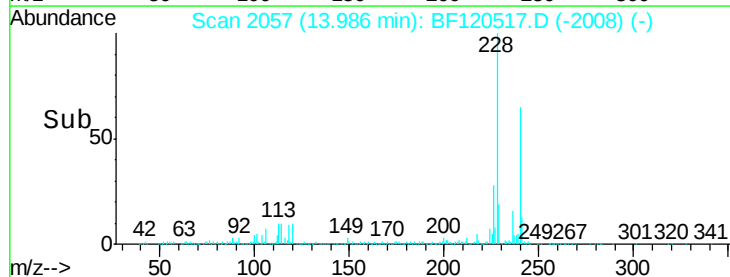
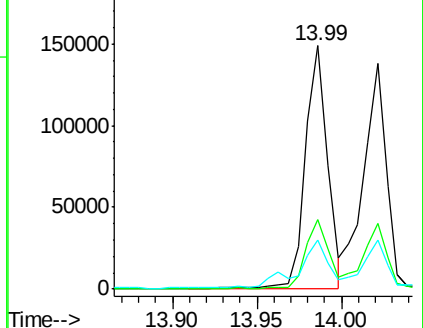
229 20.1 16.3 24.5

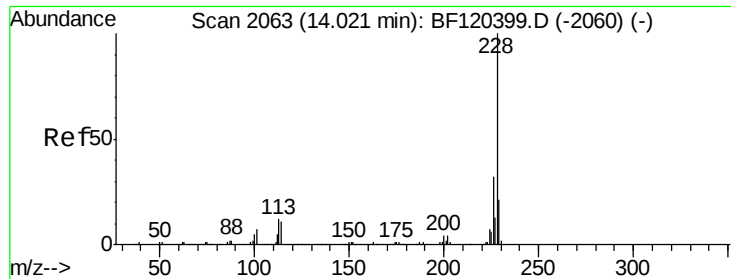


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

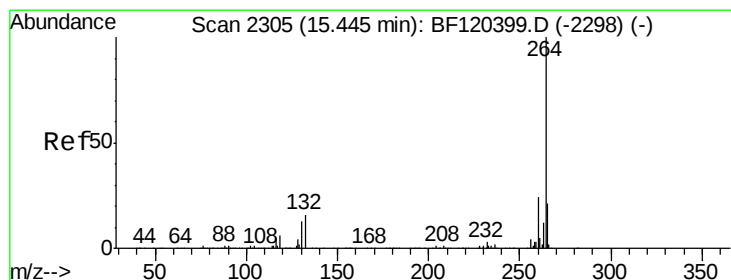
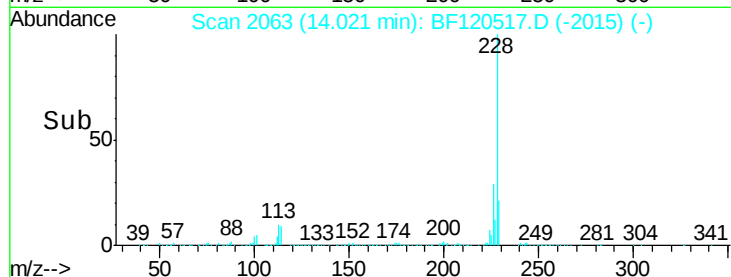
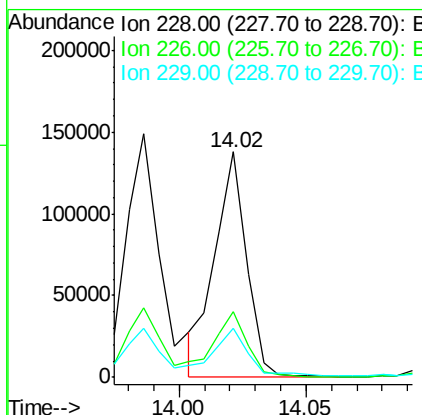
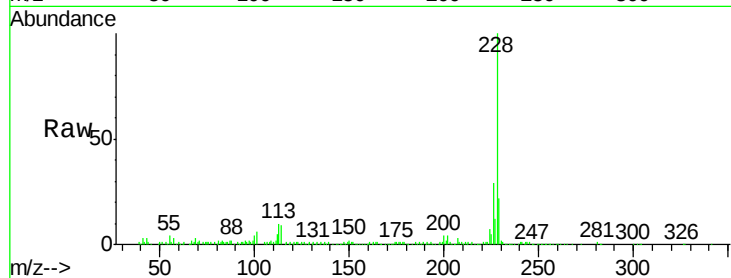




#83
Chrysene
Concen: 6.010 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120517.D
Acq: 3 Jun 2020 18:47

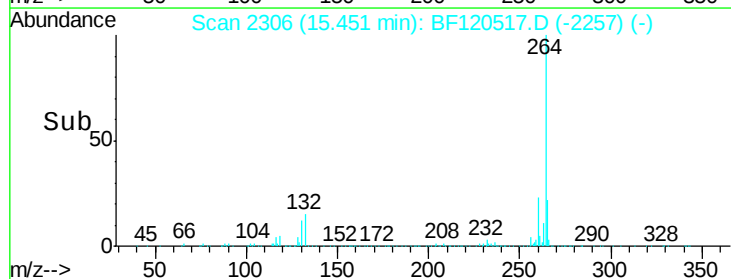
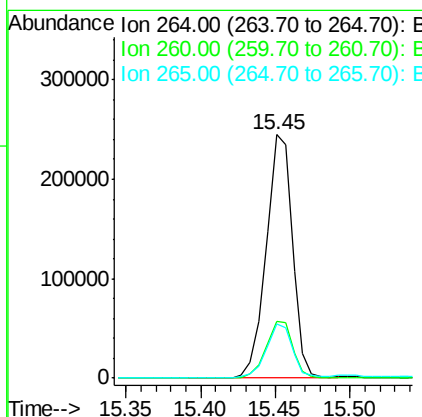
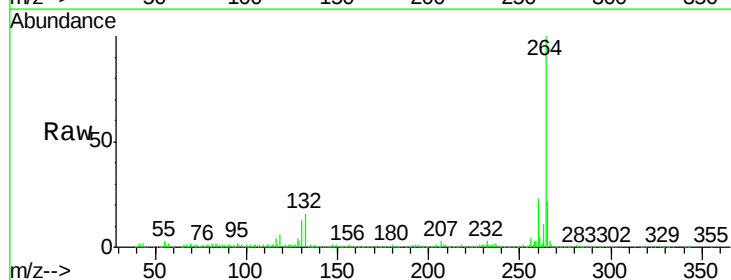
Instrument :
BNA_F
ClientSampleId :
NM102-COMP-2020-0-6

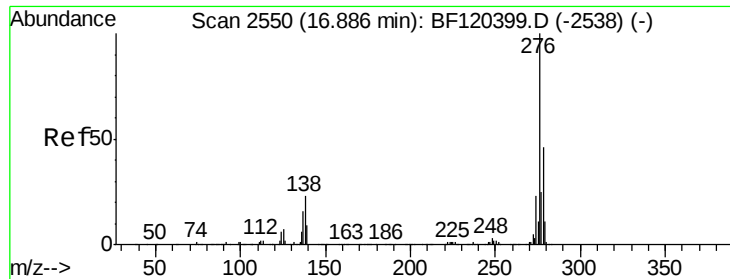
Tot Ion:228 Resp: 119874
Ion Ratio Lower Upper
228 100
226 29.4 25.2 37.8
229 22.0 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF120517.D
Acq: 3 Jun 2020 18:47

Tgt Ion:264 Resp: 296057
Ion Ratio Lower Upper
264 100
260 23.4 19.8 29.8
265 22.0 17.5 26.3

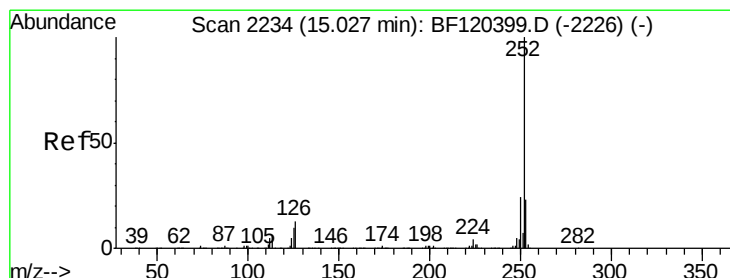
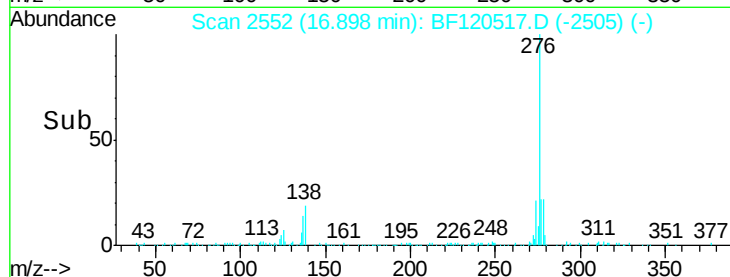
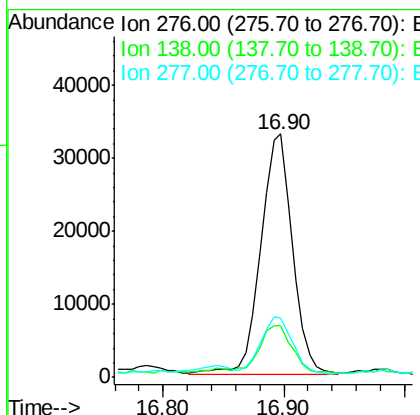
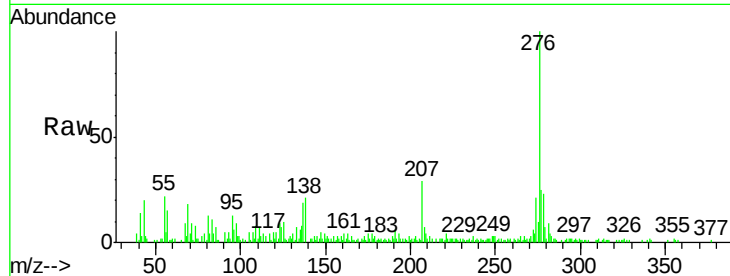




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.686 ng
 RT: 16.90 min Scan# 2552
 Delta R.T. -0.02 min
 Lab File: BF120517.D
 Acq: 3 Jun 2020 18:47

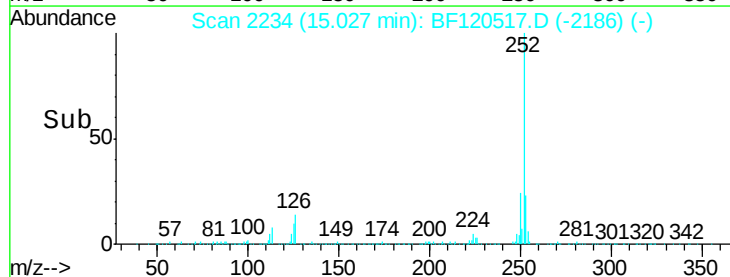
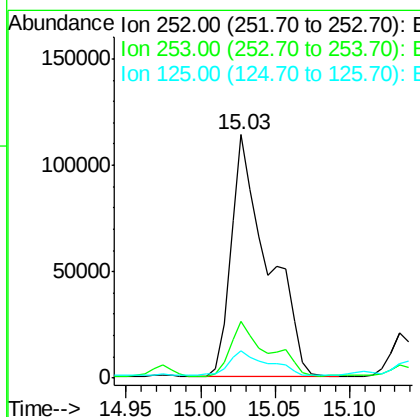
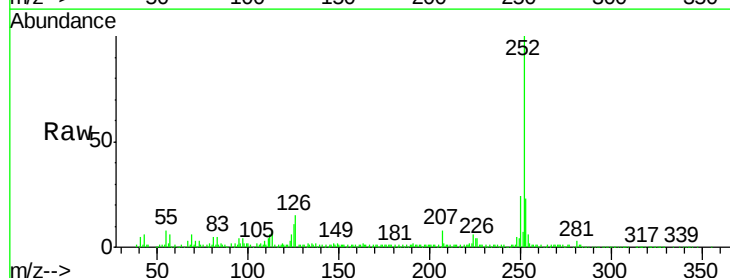
Instrument :
 BNA_F
 ClientSampleId :
 NM102-COMP-2020-0-6

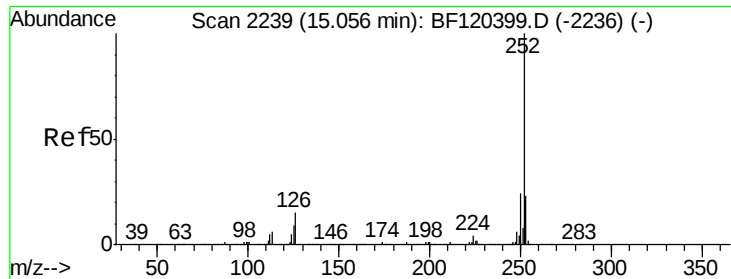
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	19.2	28.8
277	24.3	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 11.927 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF120517.D
 Acq: 3 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	11.0	7.6	11.4

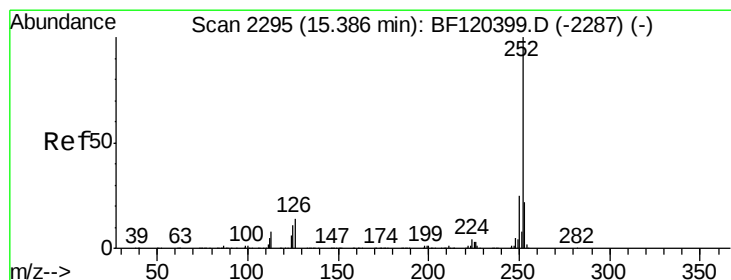
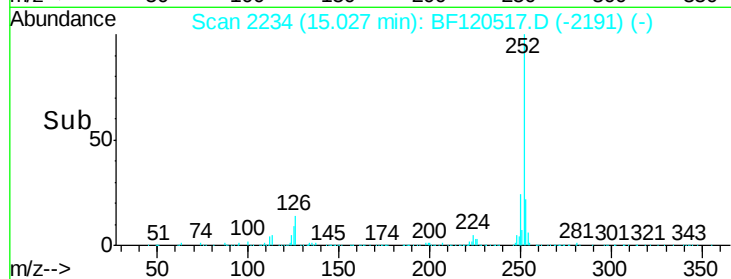
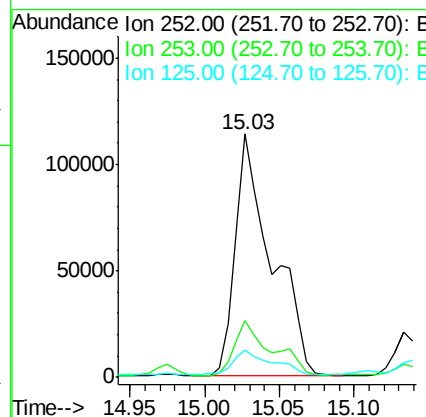
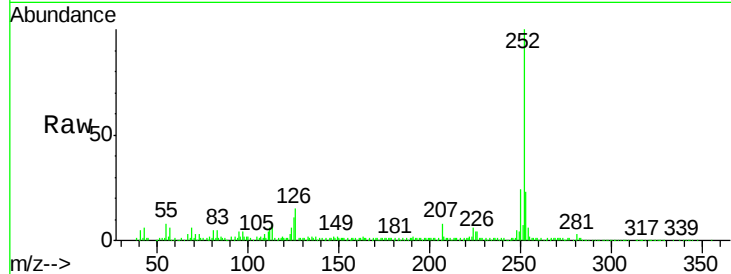




#89
Benzo(k)fluoranthene
Concen: 12.776 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120517.D
Acq: 3 Jun 2020 18:47

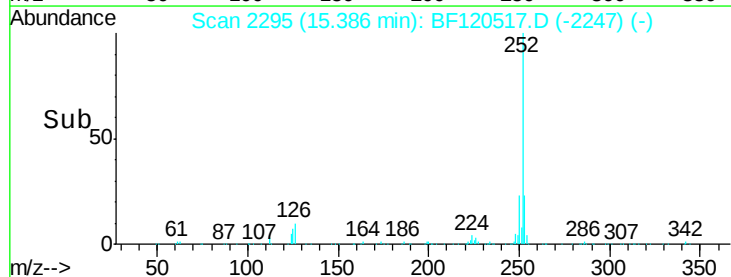
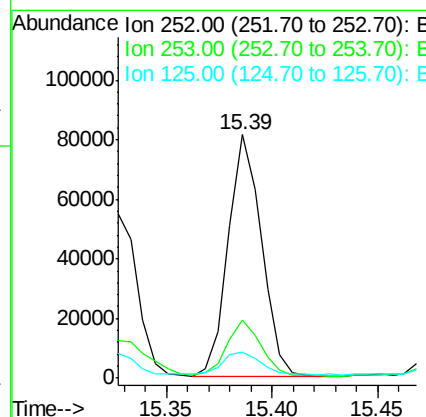
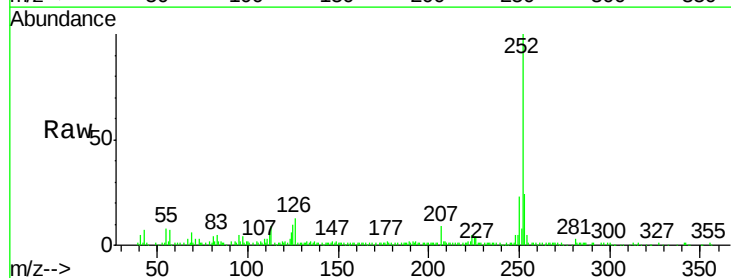
Instrument :
BNA_F
ClientSampleId :
NM102-COMP-2020-0-6

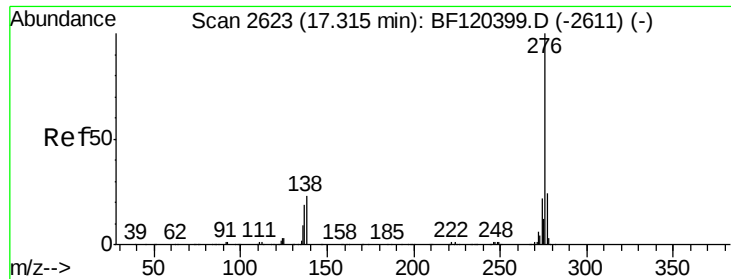
Tot Ion:252 Resp: 196121
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 11.0 7.5 11.3



#90
Benzo(a)pyrene
Concen: 6.117 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120517.D
Acq: 3 Jun 2020 18:47

Tgt Ion:252 Resp: 87979
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 10.5 9.2 13.8





#92
 Benzo(a,h,i)perylene
 Concen: 4.405 ng
 RT: 17.33 min Scan# 2626
 Delta R.T. -0.03 min
 Lab File: BF120517.D
 Acq: 3 Jun 2020 18:47

Instrument :
 BNA_F
 ClientSampleId :
 NM102-COMP-2020-0-6

Tot Ion:276	Resp:	57355
Ion	Ratio	Lower Upper
276	100	
277	24.4	19.4 29.2
138	20.5	16.6 25.0

