

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120506.D
 Acq On : 3 Jun 2020 13:46
 Operator : JU/CG
 Sample : L2839-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM43-COMP-2020-0-6

Quant Time: Jun 03 14:33:28 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	228209	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	868873	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	458183	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	854072	20.00	ng	0.00
76) Chrysene-d12	14.00	240	585873	20.00	ng	-0.01
86) Perylene-d12	15.46	264	528504	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1215696	101.52	ng	0.00
7) Phenol-d6	6.47	99	1550056	105.02	ng	0.00
23) Nitrobenzene-d5	7.40	82	1043777	78.58	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	482654	113.69	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1908164	70.66	ng	0.00
79) Terphenyl-d14	12.95	244	2047661	77.77	ng	0.00

Target Compounds

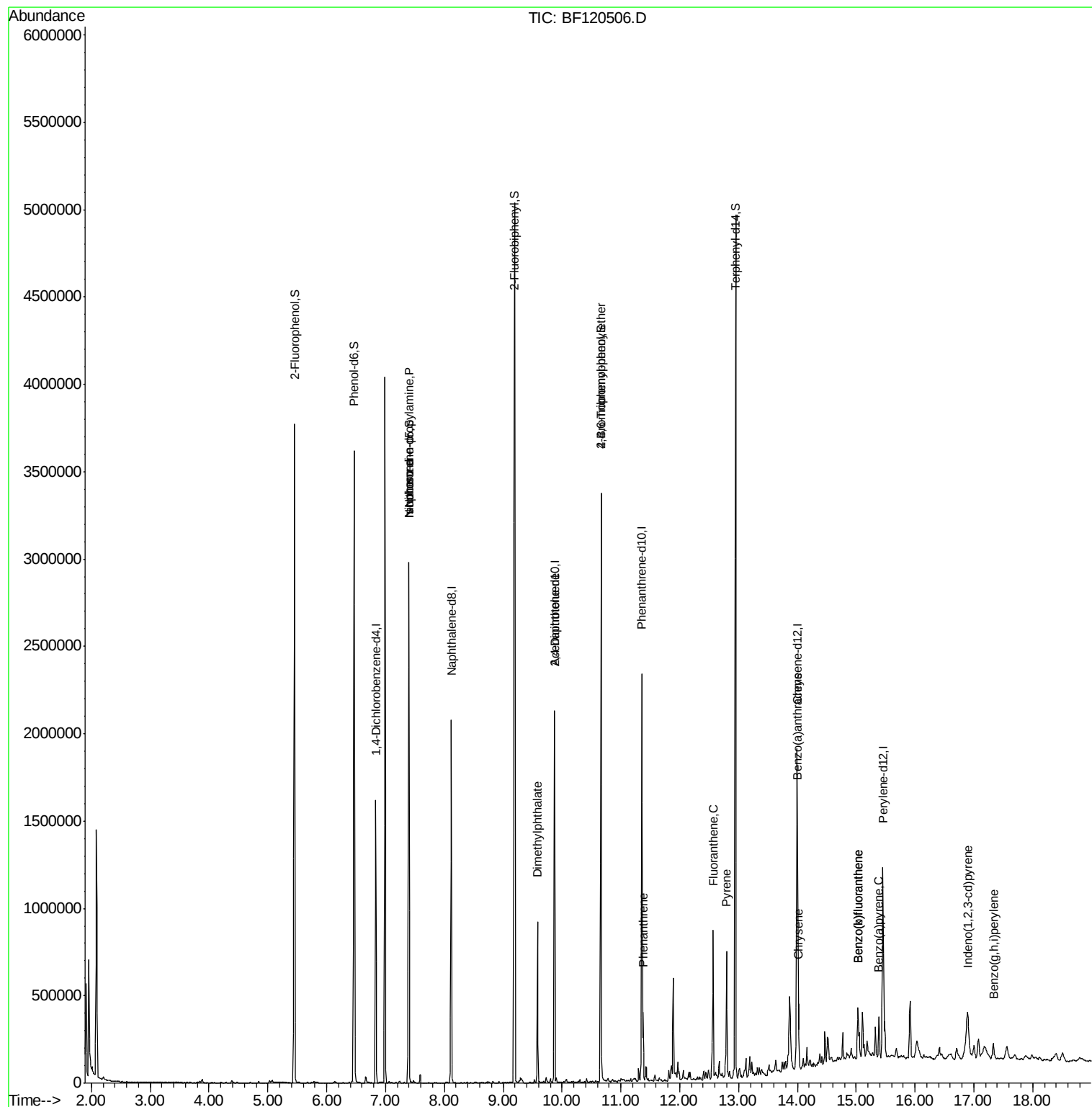
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	137704	14.677	ng	# 77
25) Isophorone	7.40	82	1039964	38.955	ng	# 64
50) Dimethylphthalate	9.59	163	370118	12.921	ng	99
57) 2,4-Dinitrotoluene	9.87	165	58385	7.166	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	28239	3.276	ng	# 1
71) Phenanthrene	11.38	178	124551	3.310	ng	97
75) Fluoranthene	12.57	202	306705	7.574	ng	99
78) Pyrene	12.80	202	280812	6.892	ng	98
81) Benzo(a)anthracene	13.99	228	144005	4.586	ng	97
83) Chrysene	14.02	228	128466	3.903	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	78421	2.713	ng	96
88) Benzo(b)fluoranthene	15.03	252	215483	7.341	ng	98
89) Benzo(k)fluoranthene	15.03	252	215483	7.863	ng	98
90) Benzo(a)pyrene	15.39	252	109671	4.271	ng	98
92) Benzo(a,h,i)perylene	17.33	276	76321	3.284	ng	99

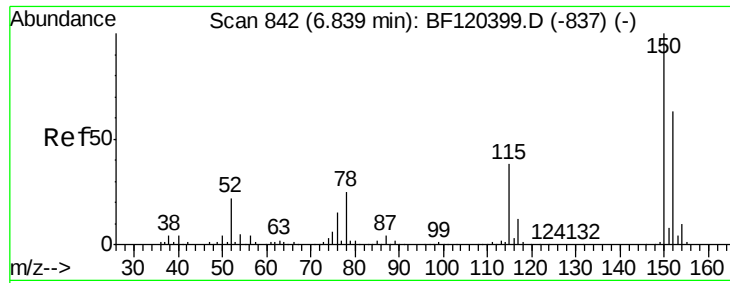
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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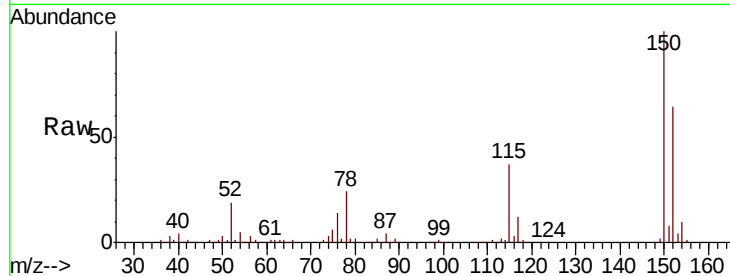


#1

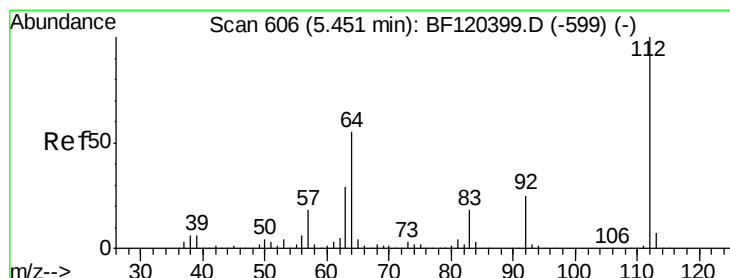
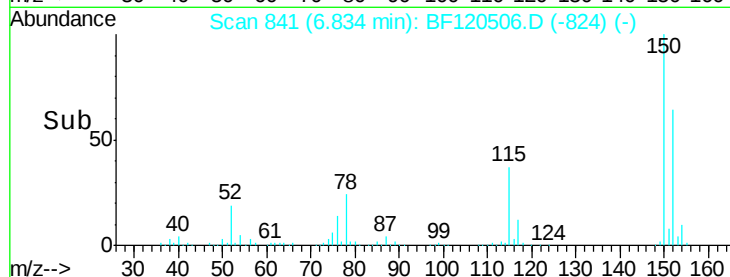
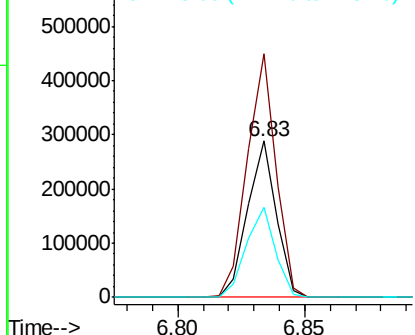
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

Instrument :
BNA_F
ClientSampleId :
NM43-COMP-2020-0-6

Tot Ion:152 Resp: 228209
Ion Ratio Lower Upper
152 100
150 155.7 127.1 190.7
115 57.3 48.7 73.1



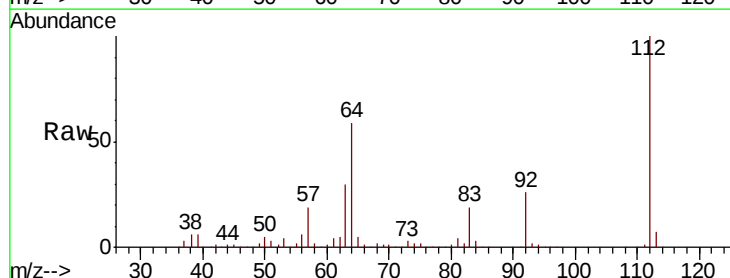
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



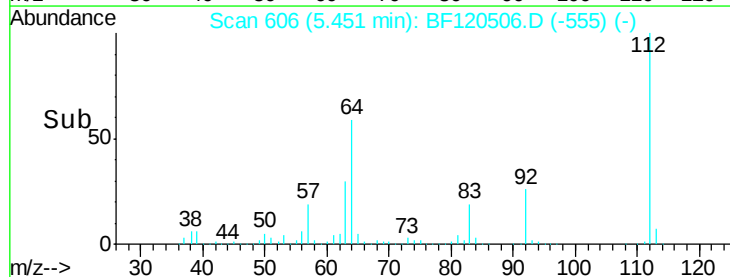
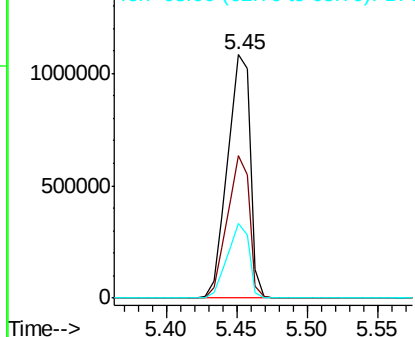
#5

2-Fluorophenol
Concen: 101.521 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

Tgt Ion:112 Resp: 1215696
Ion Ratio Lower Upper
112 100
64 58.6 45.8 68.8
63 30.4 23.7 35.5



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: 105.019 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

Instrument :

BNA_F

ClientSampleId :

NM43-COMP-2020-0-6

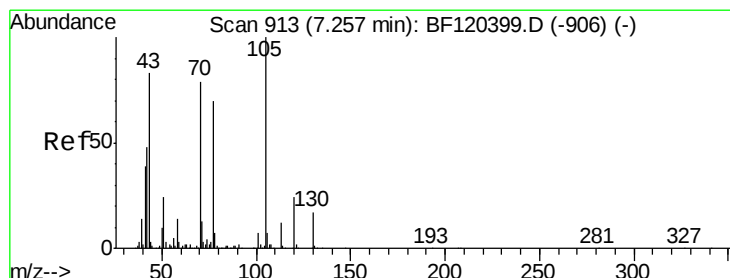
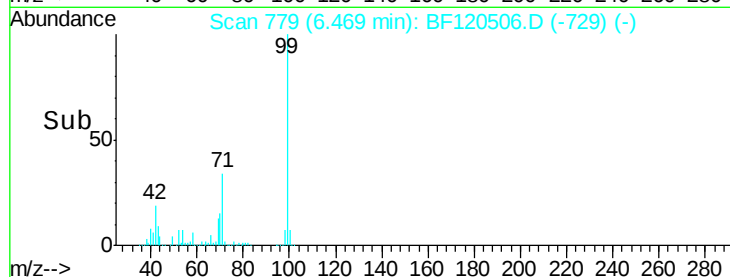
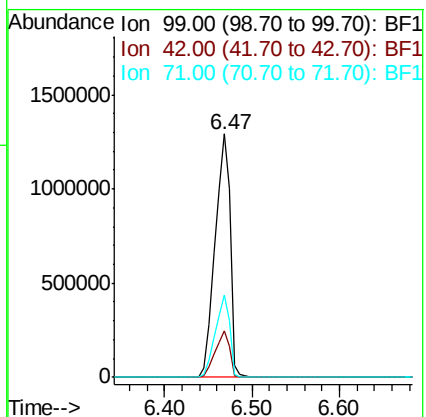
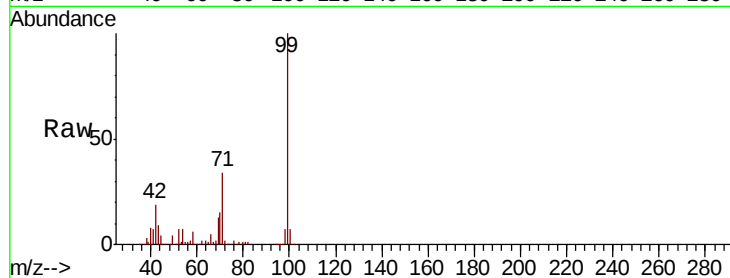
Tot Ion: 99 Resp: 1550056

Ion Ratio Lower Upper

99 100

42 18.9 15.0 22.4

71 33.7 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 14.677 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

Tgt Ion: 70 Resp: 137704

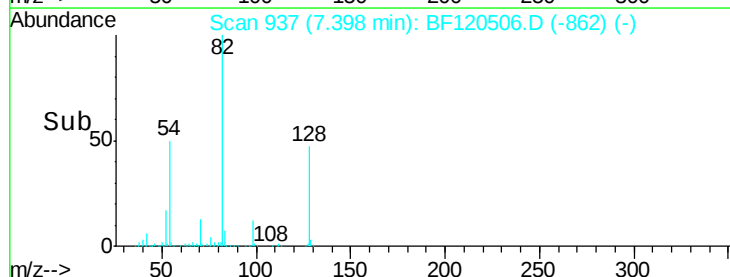
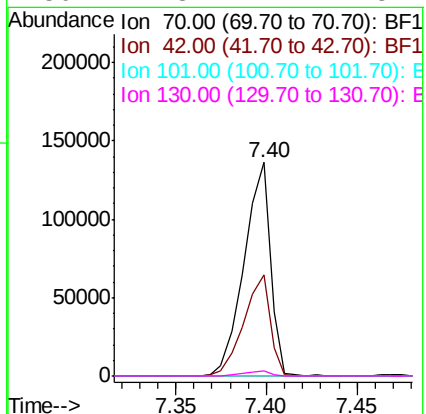
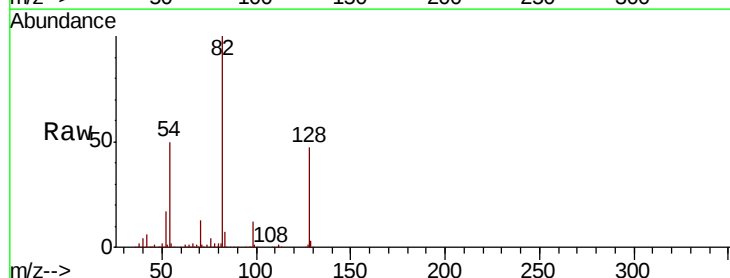
Ion Ratio Lower Upper

70 100

42 47.4 47.6 71.4#

101 0.0 7.4 11.0#

130 2.3 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

Instrument :

BNA_F

ClientSampleId :

NM43-COMP-2020-0-6

Tot Ion:136 Resp: 868873

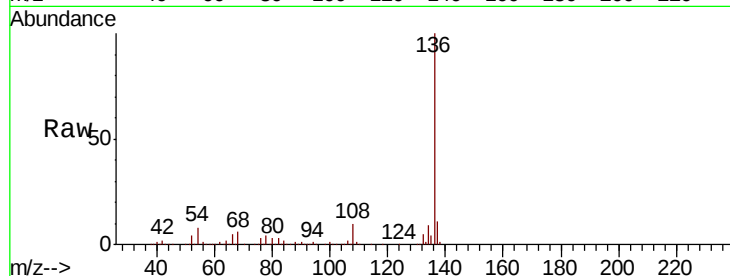
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.6 6.0 9.0

68 6.1 4.8 7.2

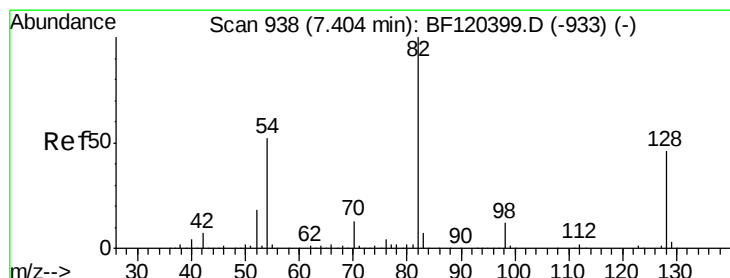
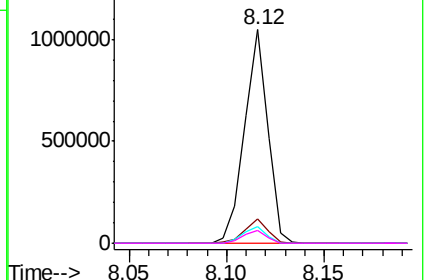
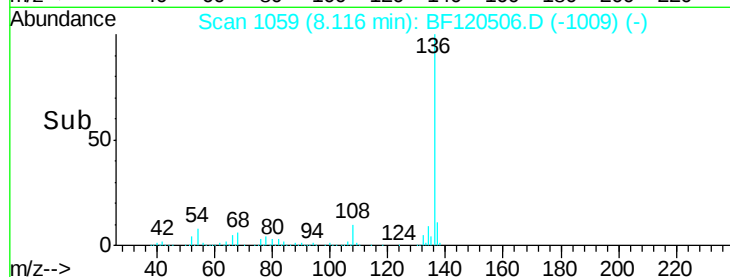


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.581 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

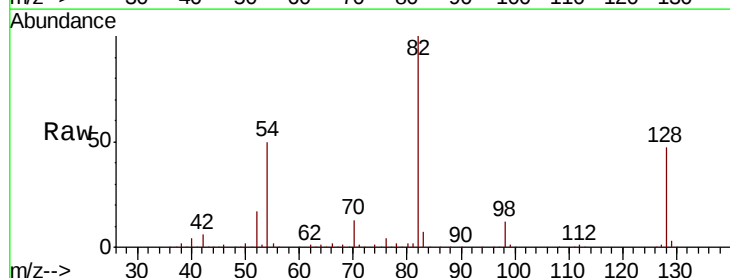
Tgt Ion: 82 Resp: 1043777

Ion Ratio Lower Upper

82 100

128 47.2 37.4 56.0

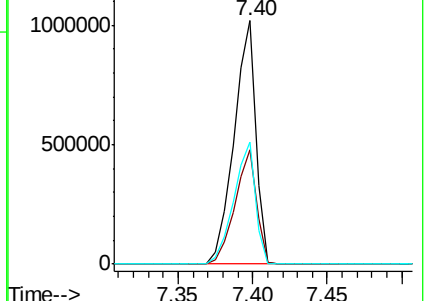
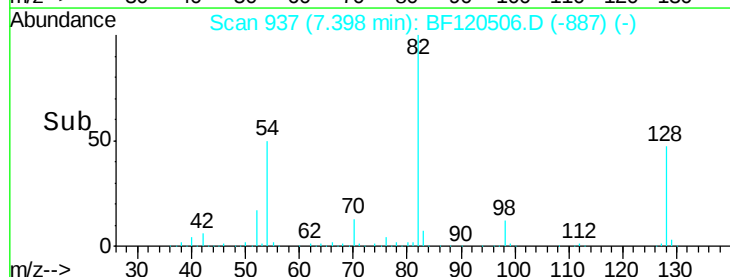
54 49.9 40.7 61.1



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: 38.955 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

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NM43-COMP-2020-0-6

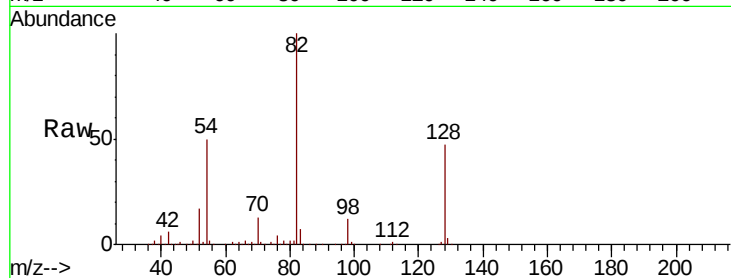
Tot Ion: 82 Resp: 1039964

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

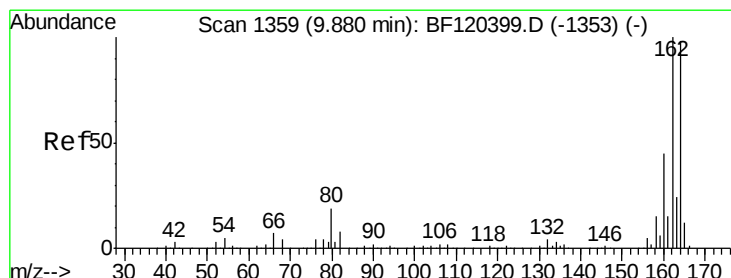
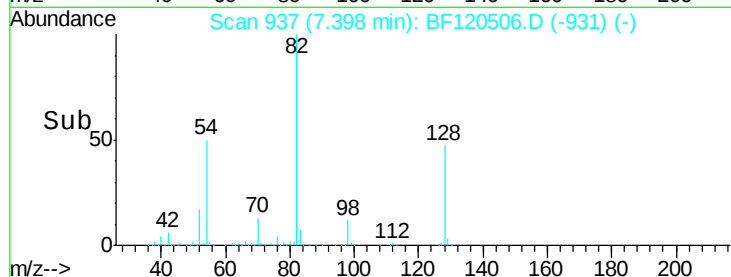
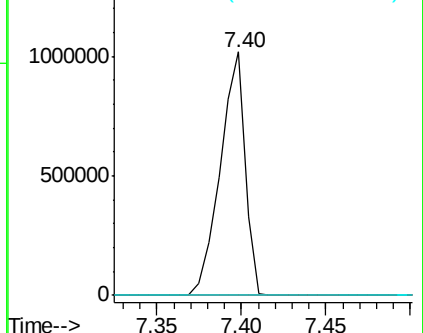
138 0.0 15.0 22.6#



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: 9.87 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

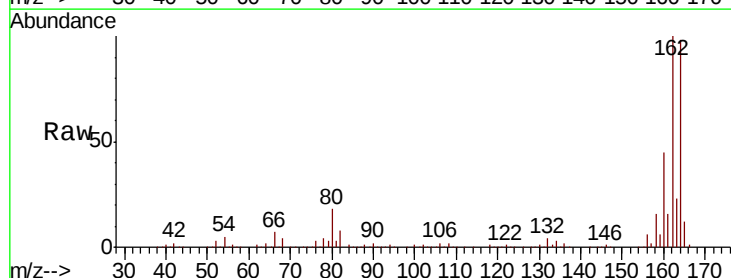
Tgt Ion:164 Resp: 458183

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.6

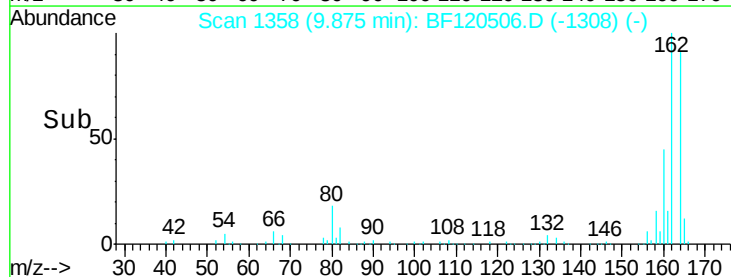
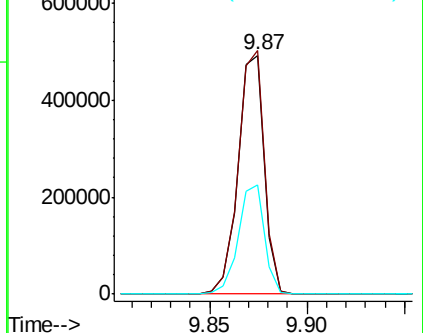
160 45.9 37.3 55.9



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

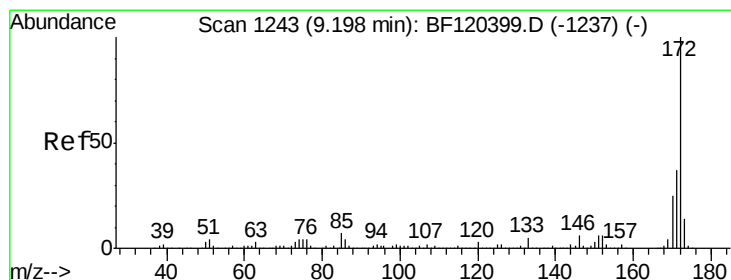
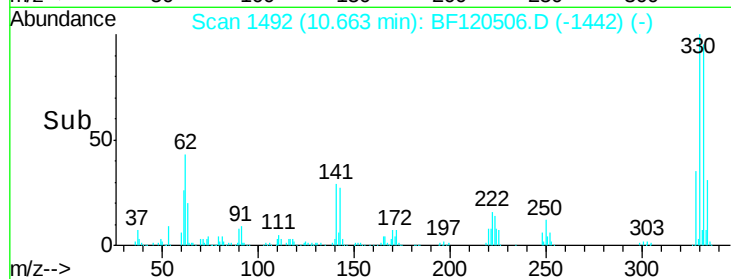
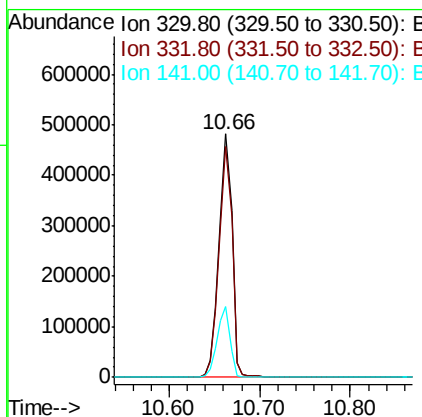
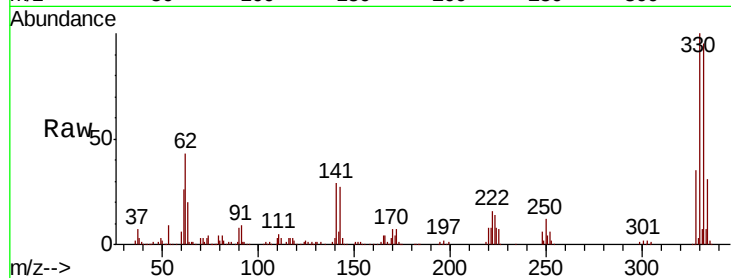




#42
 2,4,6-Tribromophenol
 Concen: 113.692 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120506.D
 Acq: 3 Jun 2020 13:46

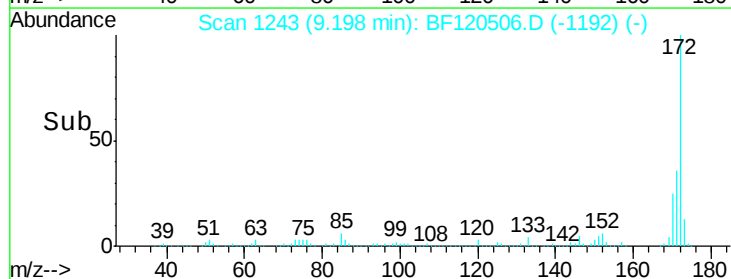
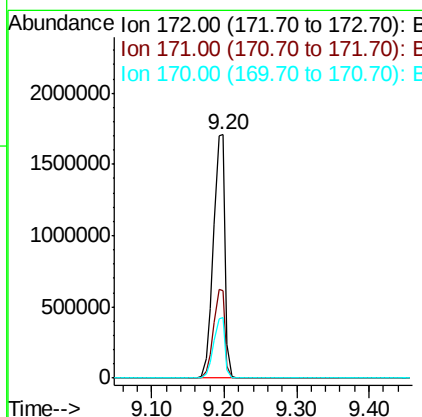
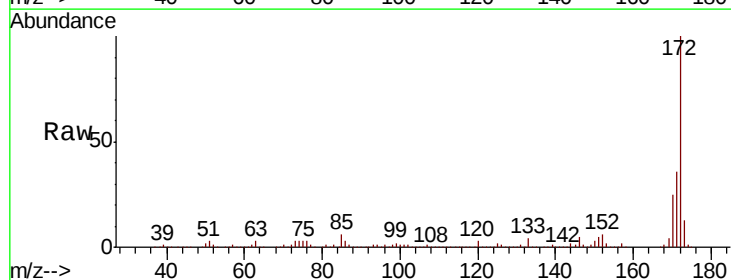
Instrument :
 BNA_F
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 NM43-COMP-2020-0-6

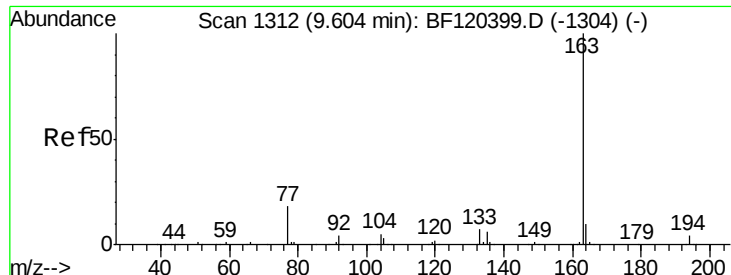
Tot Ion:330 Resp: 482654
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.4 116.2
 141 28.8 23.5 35.3



#45
 2-Fluorobiphenyl
 Concen: 70.661 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120506.D
 Acq: 3 Jun 2020 13:46

Tgt Ion:172 Resp: 1908164
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 24.7 20.1 30.1

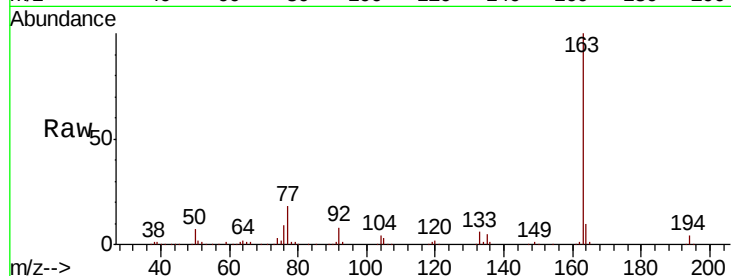




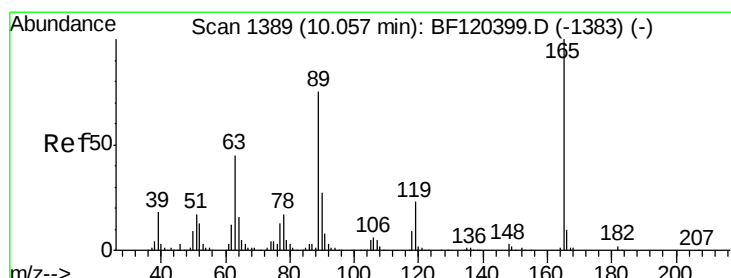
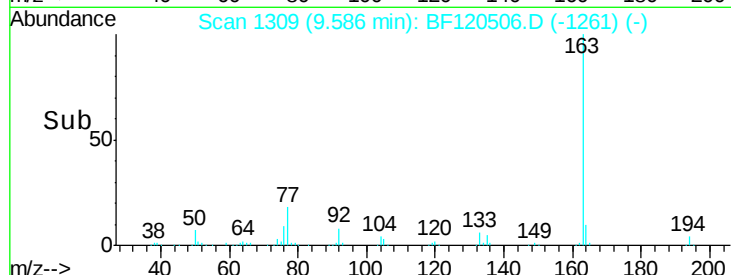
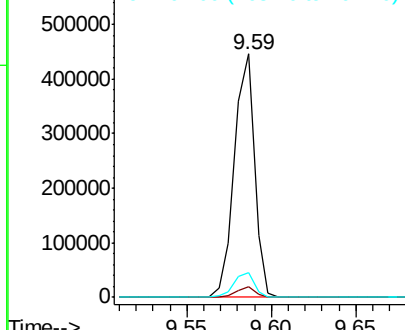
#50
Dimethylphthalate
Concen: 12.921 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

Instrument :
BNA_F
ClientSampleId :
NM43-COMP-2020-0-6

Tot Ion:163 Resp: 370118
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.2 8.2 12.4

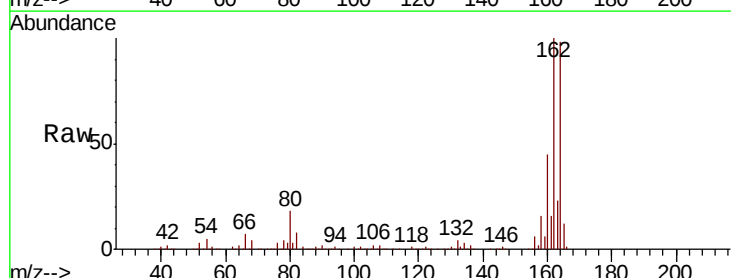


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

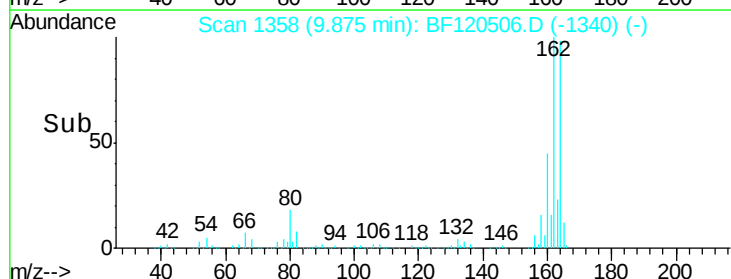
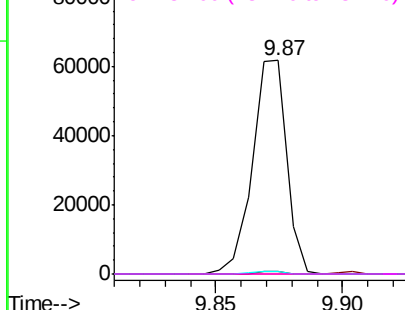


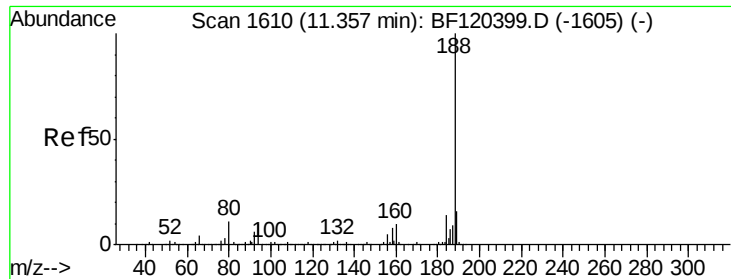
#57
2,4-Dinitrotoluene
Concen: 7.166 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

Tgt Ion:165 Resp: 58385
Ion Ratio Lower Upper
165 100
63 1.2 33.4 50.0#
89 1.3 54.7 82.1#
182 0.0 2.1 3.1#



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

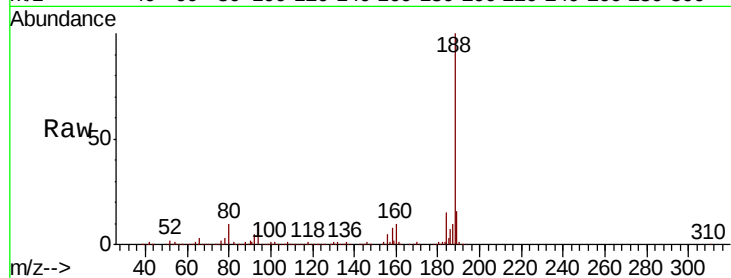




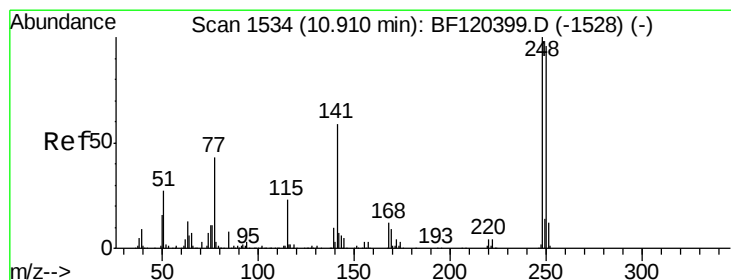
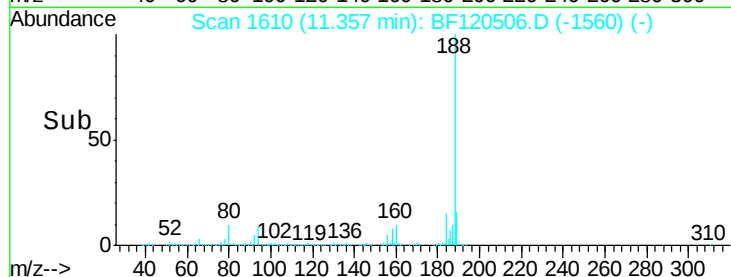
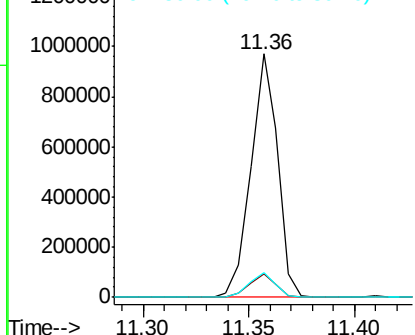
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

Instrument :
BNA_F
ClientSampleId :
NM43-COMP-2020-0-6

Tot Ion:188 Resp: 854072
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.2 7.9 11.9

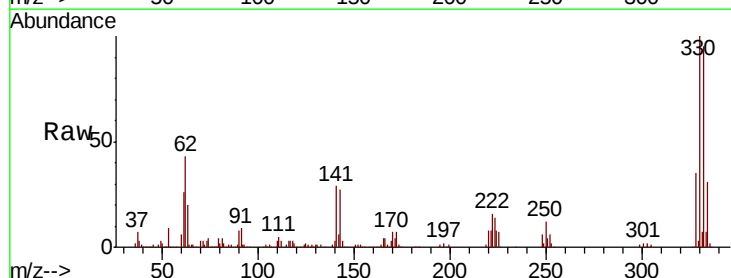


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

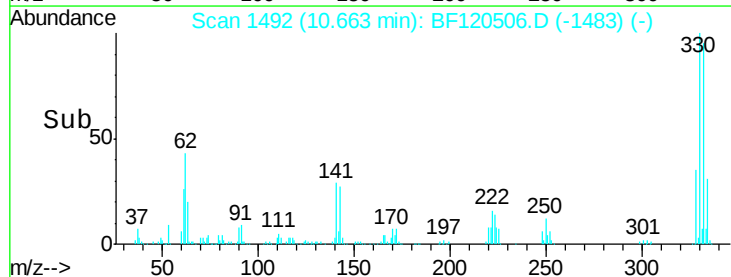
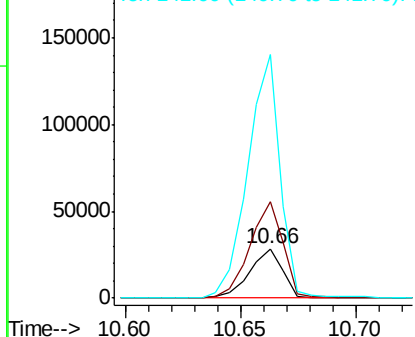


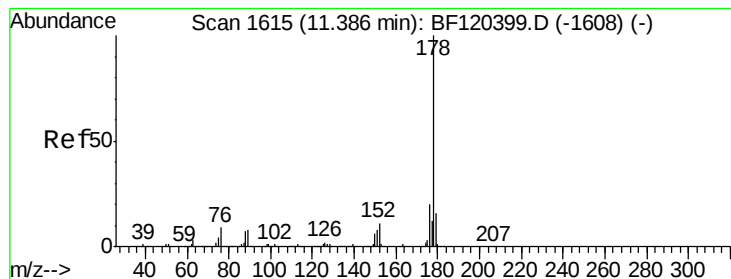
#67
4-Bromophenyl-phenylether
Concen: 3.276 ng
RT: 10.66 min Scan# 1492
Delta R.T. -0.25 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

Tgt Ion:248 Resp: 28239
Ion Ratio Lower Upper
248 100
250 196.8 78.0 117.0#
141 494.5 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: 3.310 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

Instrument :

BNA_F

ClientSampleId :

NM43-COMP-2020-0-6

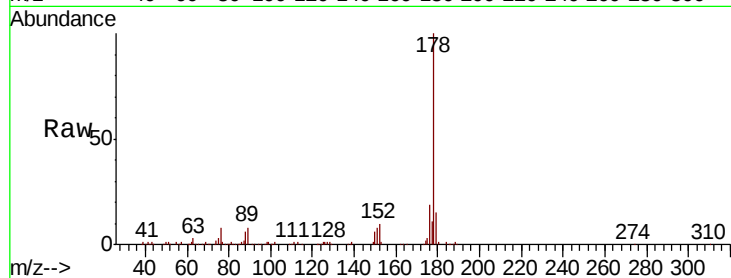
Tot Ion:178 Resp: 124551

Ion Ratio Lower Upper

178 100

176 19.1 16.6 24.8

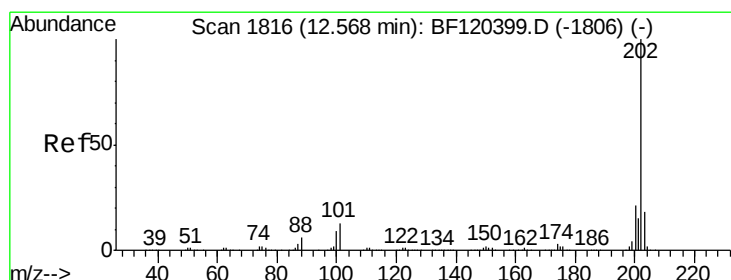
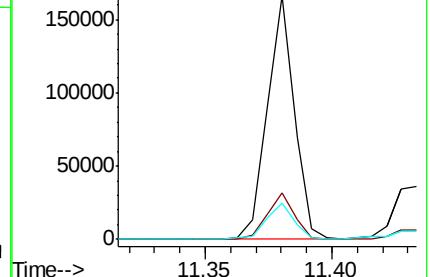
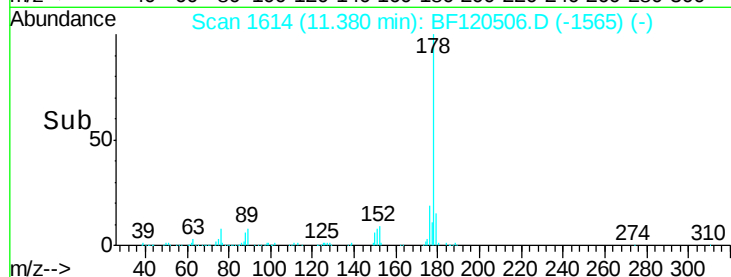
179 15.0 13.0 19.4



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: 7.574 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

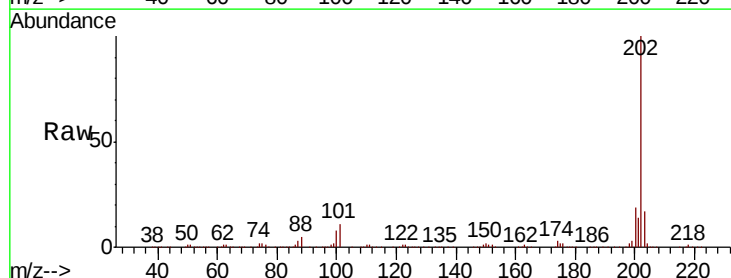
Tgt Ion:202 Resp: 306705

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.4

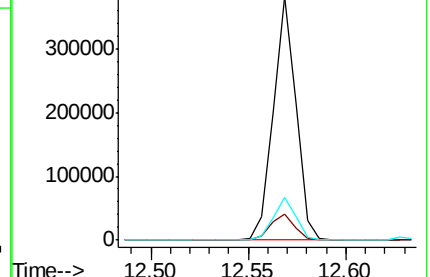
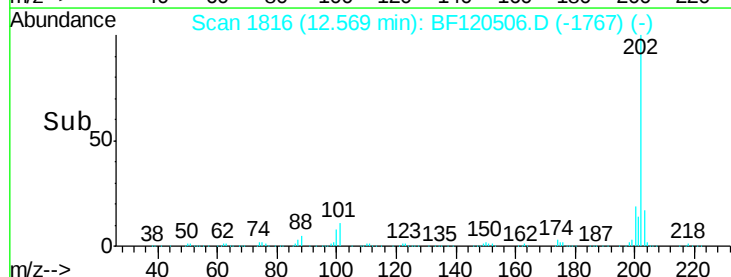
203 17.3 0.0 38.2

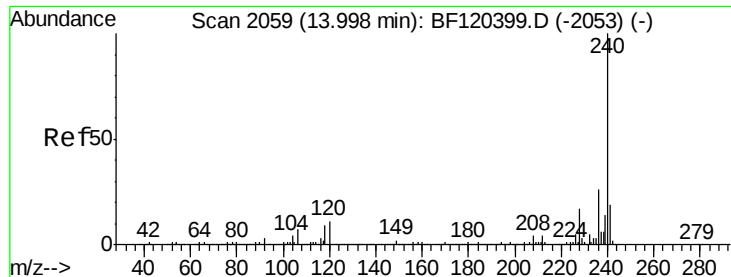


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

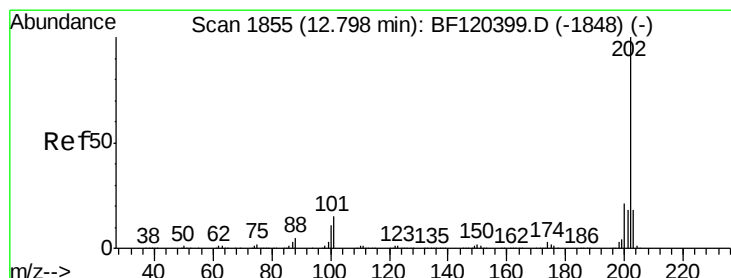
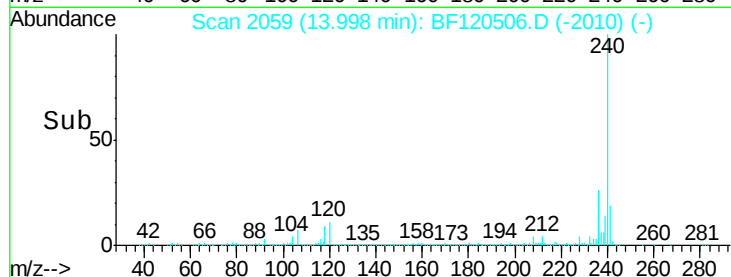
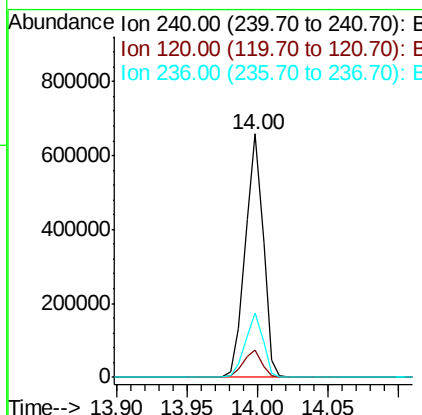
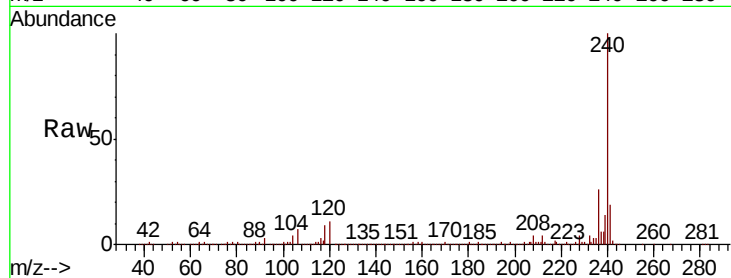




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

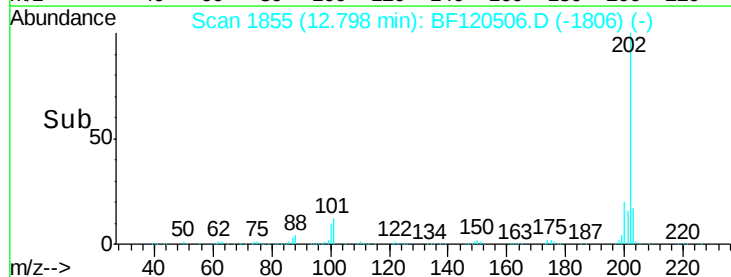
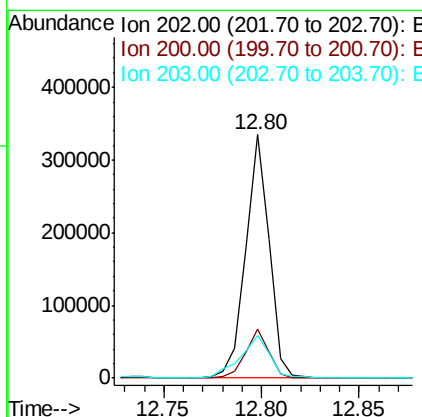
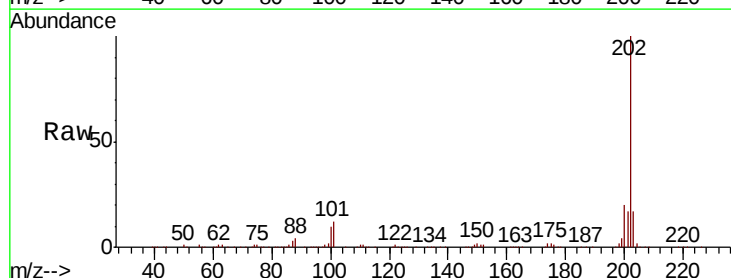
Instrument :
BNA_F
ClientSampleId :
NM43-COMP-2020-0-6

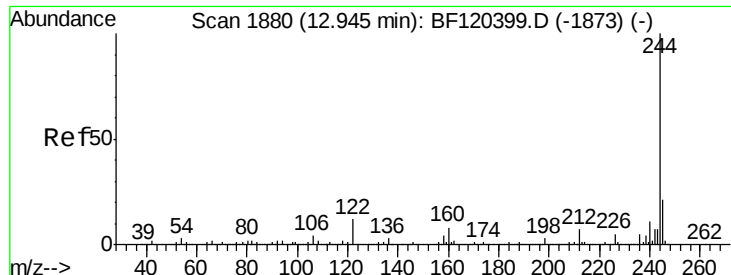
Tot Ion:240 Resp: 585873
Ion Ratio Lower Upper
240 100
120 11.0 7.9 11.9
236 26.3 21.1 31.7



#78
Pyrene
Concen: 6.892 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

Tgt Ion:202 Resp: 280812
Ion Ratio Lower Upper
202 100
200 20.2 17.3 25.9
203 17.3 14.5 21.7





#79

Terphenyl-d14

Concen: 77.773 ng

RT: 12.95 min Scan# 1881

Delta R.T. 0.00 min

Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

Instrument :

BNA_F

ClientSampleId :

NM43-COMP-2020-0-6

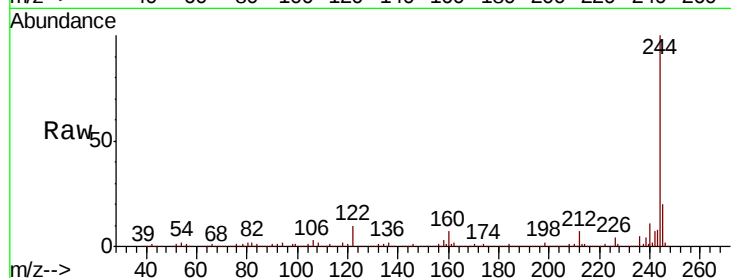
Tot Ion:244 Resp: 2047661

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

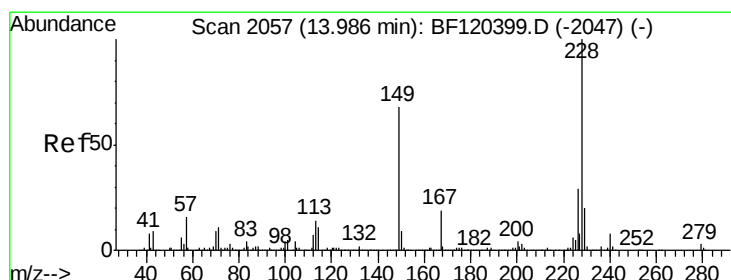
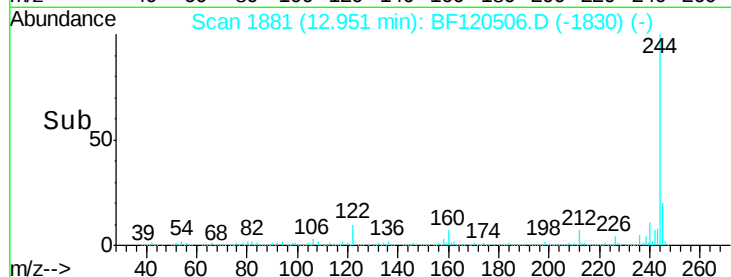
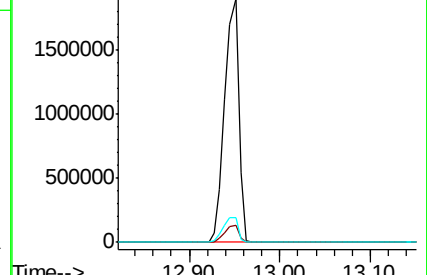
122 10.2 8.2 12.4



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: 4.586 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

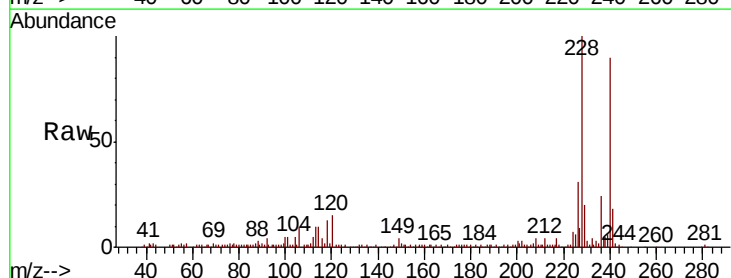
Tgt Ion:228 Resp: 144005

Ion Ratio Lower Upper

228 100

226 31.0 22.7 34.1

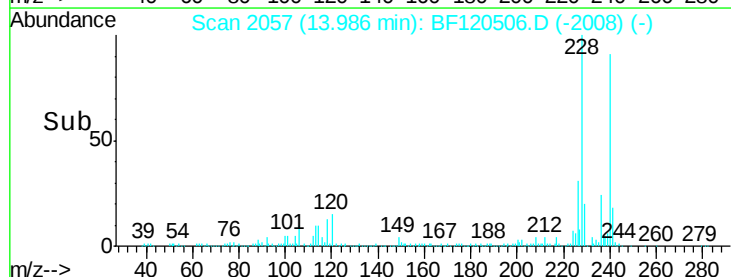
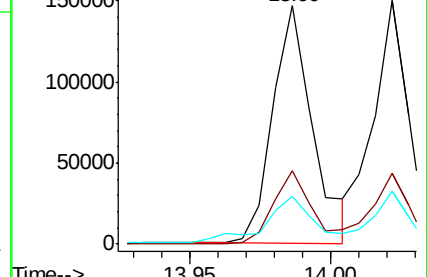
229 20.3 16.3 24.5

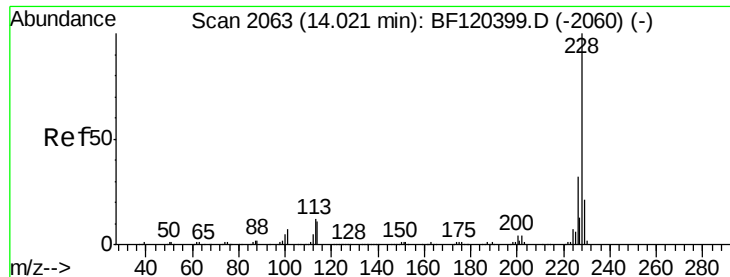


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

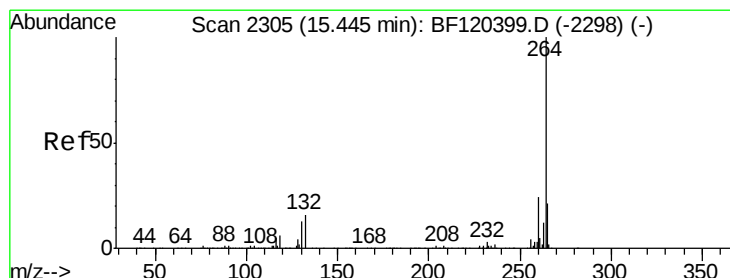
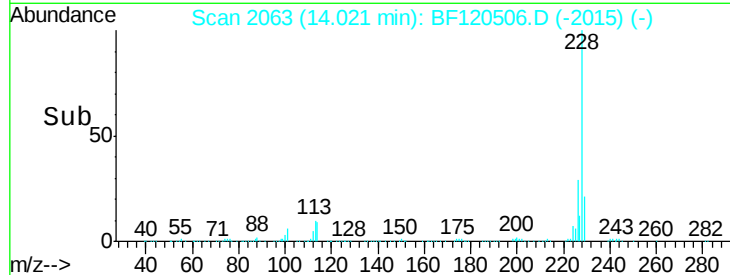
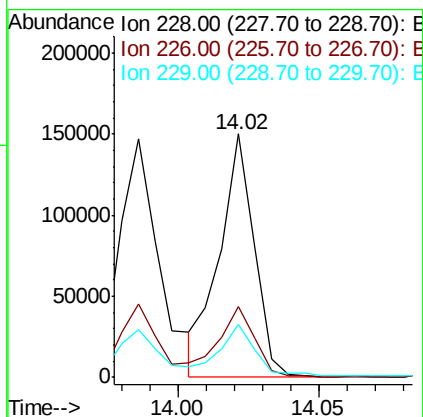
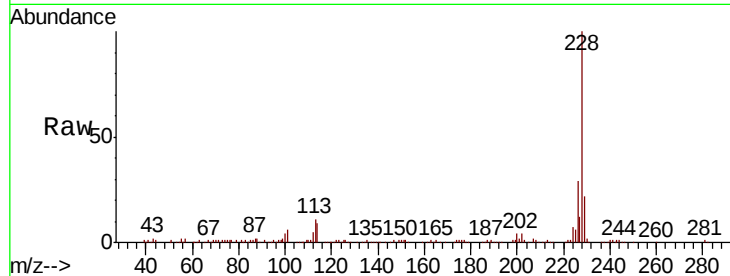




#83
Chrysene
Concen: 3.903 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

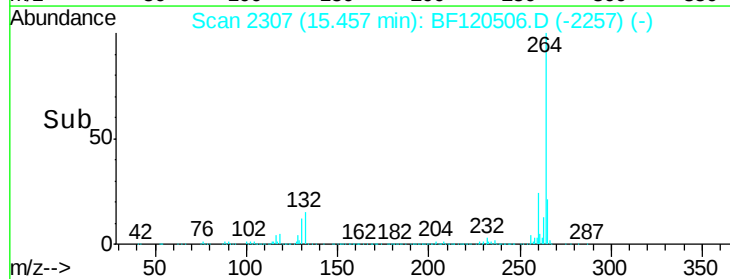
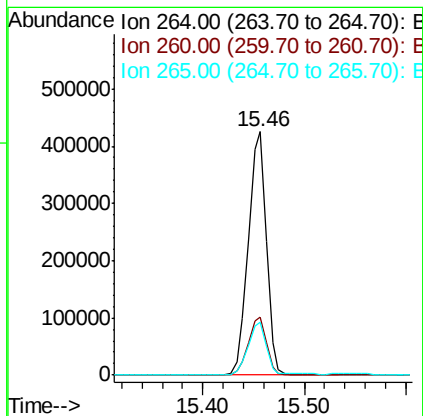
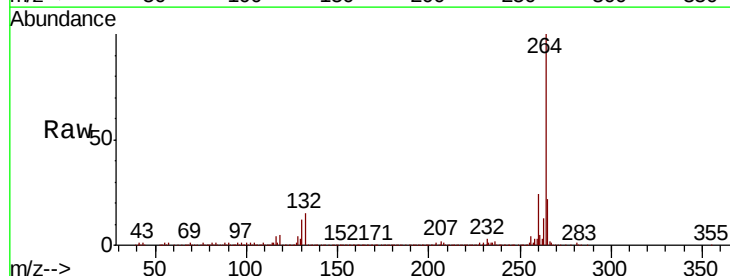
Instrument :
BNA_F
ClientSampleId :
NM43-COMP-2020-0-6

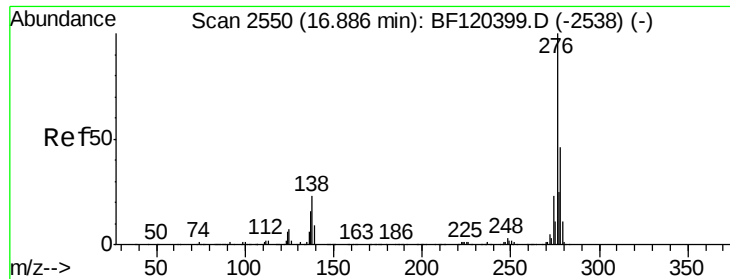
Tot Ion:228 Resp: 128466
Ion Ratio Lower Upper
228 100
226 29.2 25.2 37.8
229 21.6 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

Tgt Ion:264 Resp: 528504
Ion Ratio Lower Upper
264 100
260 23.8 19.8 29.8
265 21.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.713 ng

RT: 16.89 min Scan# 2551

Delta R.T. -0.03 min

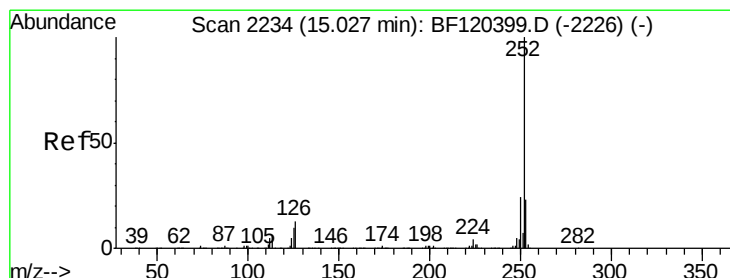
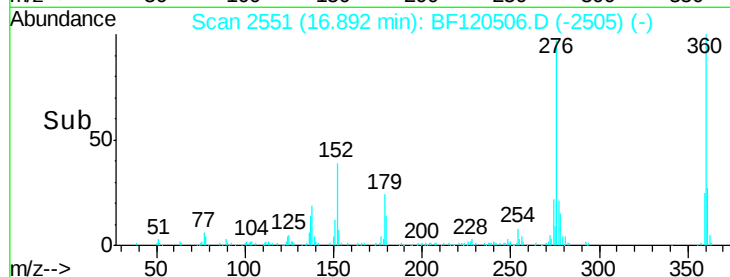
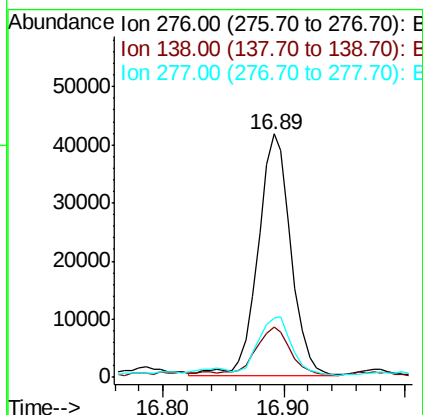
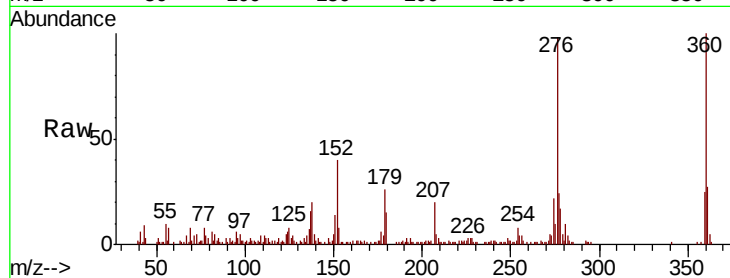
Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

Instrument :
BNA_F
ClientSampleId :
NM43-COMP-2020-0-6

Tot Ion:276 Resp: 78421

Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.2	28.8
277	24.6	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 7.341 ng

RT: 15.03 min Scan# 2234

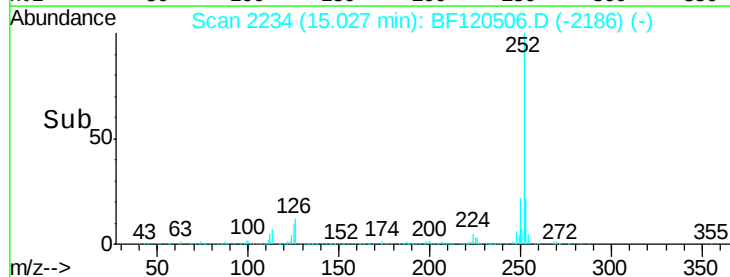
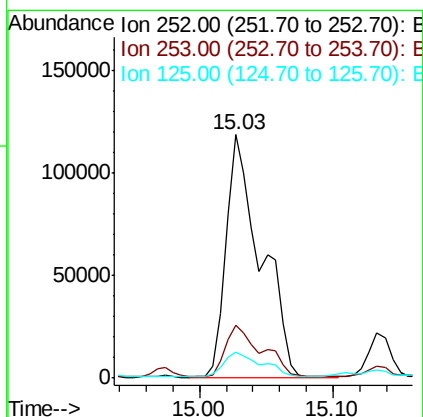
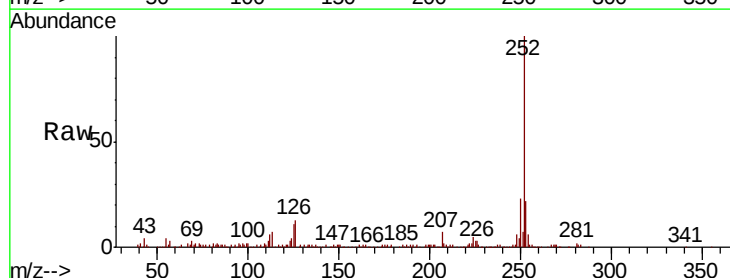
Delta R.T. -0.02 min

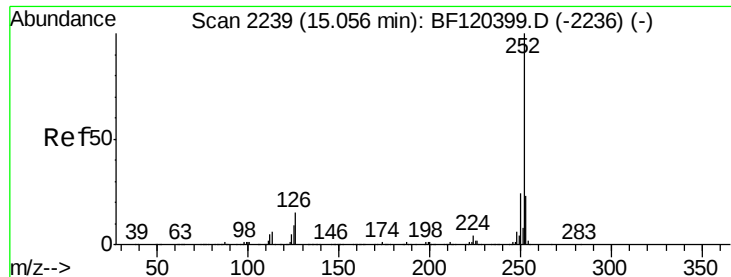
Lab File: BF120506.D

Acq: 3 Jun 2020 13:46

Tgt Ion:252 Resp: 215483

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	10.6	7.6	11.4

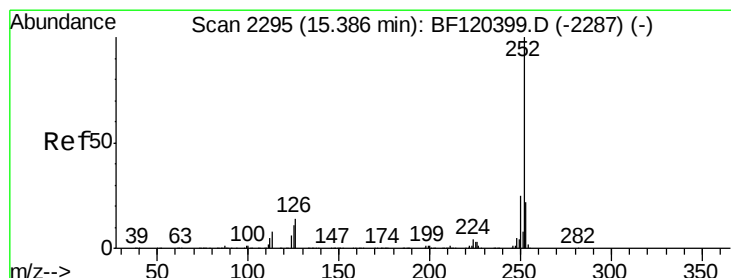
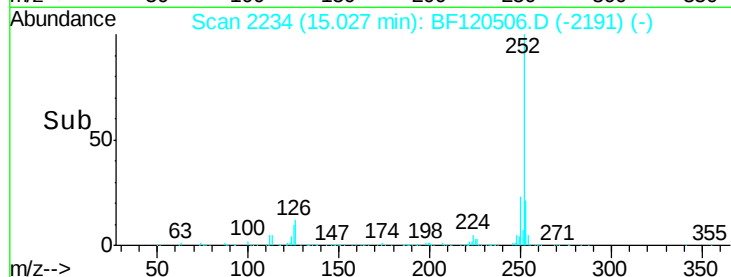
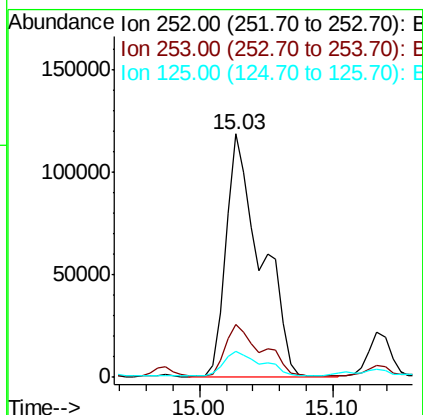
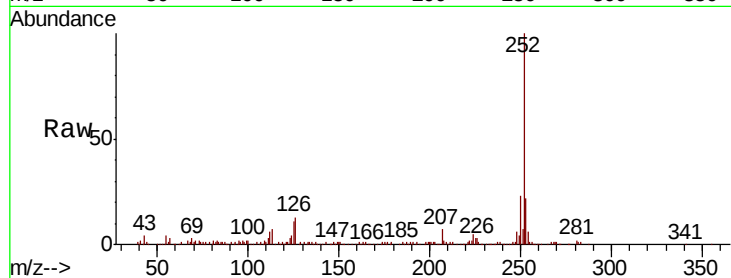




#89
Benzo(k)fluoranthene
Concen: 7.863 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

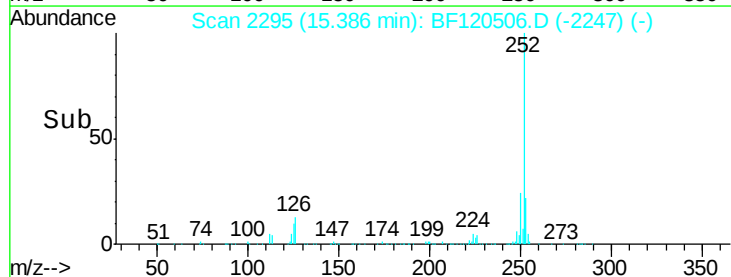
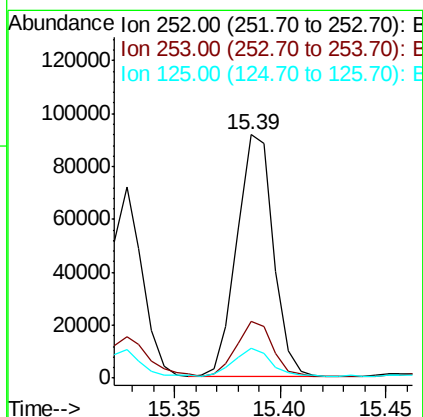
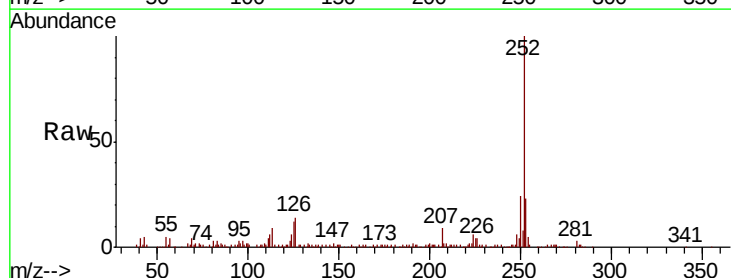
Instrument :
BNA_F
ClientSampleId :
NM43-COMP-2020-0-6

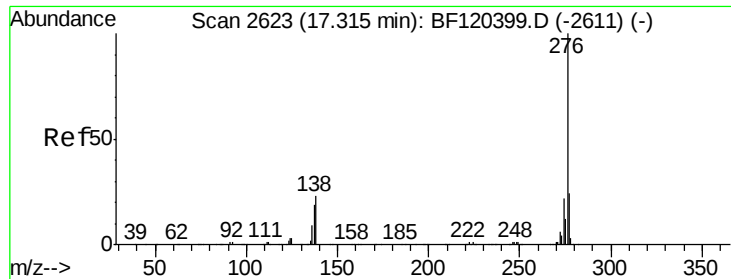
Tot Ion:252 Resp: 215483
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 10.6 7.5 11.3



#90
Benzo(a)pyrene
Concen: 4.271 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120506.D
Acq: 3 Jun 2020 13:46

Tgt Ion:252 Resp: 109671
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 12.1 9.2 13.8

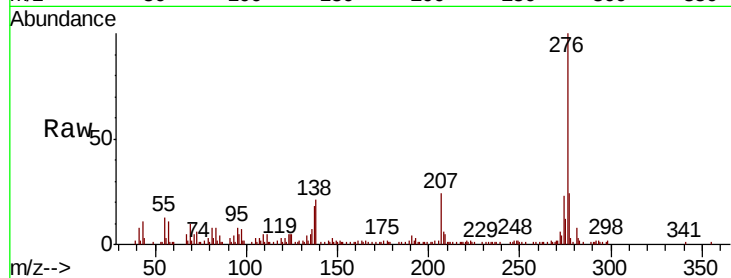




#92
 Benzo(a,h,i)perylene
 Concen: 3.284 ng
 RT: 17.33 min Scan# 2626
 Delta R.T. -0.03 min
 Lab File: BF120506.D
 Acq: 3 Jun 2020 13:46

Instrument :
 BNA_F
 ClientSampleId :
 NM43-COMP-2020-0-6

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.9	19.4	29.2	
138	21.0	16.6	25.0	



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

