

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120526.D
 Acq On : 3 Jun 2020 22:55
 Operator : JU/CG
 Sample : L2839-08 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM112-COMP-2020-0-6

Quant Time: Jun 04 00:44:33 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

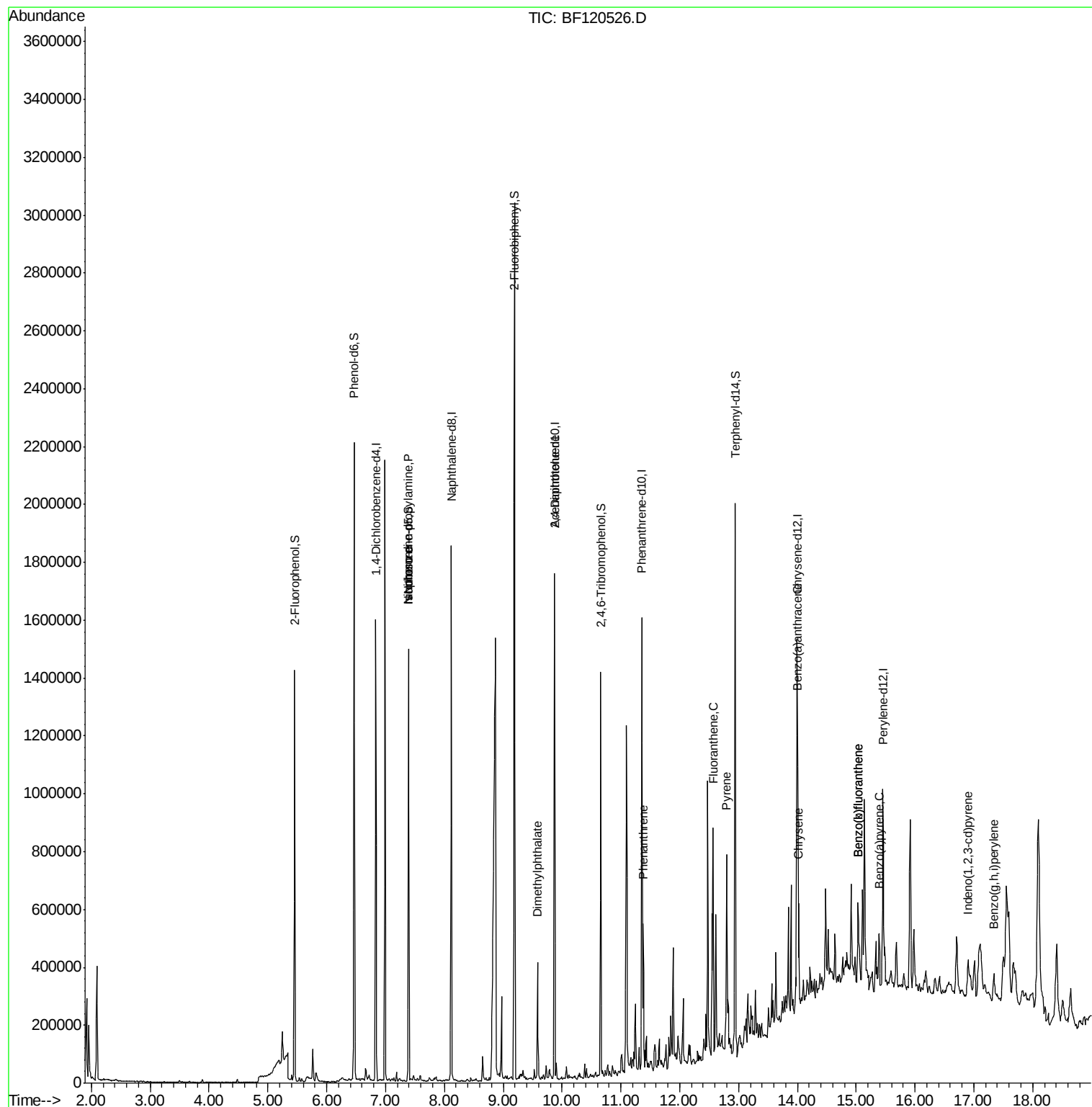
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	217240	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	747171	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	347476	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	550371	20.00	ng	0.00
76) Chrysene-d12	14.00	240	394642	20.00	ng	-0.01
86) Perylene-d12	15.46	264	316200	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	402835	35.34	ng	0.00
7) Phenol-d6	6.47	99	744107	52.96	ng	0.00
23) Nitrobenzene-d5	7.39	82	440876	38.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	174292	54.14	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	856535	41.82	ng	0.00
79) Terphenyl-d14	12.94	244	679700	38.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	57426	6.430	ng	# 79
25) Isophorone	7.39	82	439004	19.123	ng	# 64
50) Dimethylphthalate	9.59	163	145201	6.684	ng	100
57) 2,4-Dinitrotoluene	9.87	165	45813	7.415	ng	# 26
71) Phenanthrene	11.38	178	150099	6.189	ng	96
75) Fluoranthene	12.57	202	296320	11.356	ng	99
78) Pyrene	12.80	202	262330	9.558	ng	99
81) Benzo(a)anthracene	13.99	228	150755	7.128	ng	99
83) Chrysene	14.02	228	134508	6.066	ng	97
87) Indeno(1,2,3-cd)pyrene	16.90	276	70260	4.063	ng	95
88) Benzo(b)fluoranthene	15.03	252	212747	12.114	ng	98
89) Benzo(k)fluoranthene	15.03	252	212747	12.976	ng	97
90) Benzo(a)pyrene	15.39	252	104885	6.828	ng	99
92) Benzo(a,h,i)perylene	17.34	276	68534	4.928	ng	97

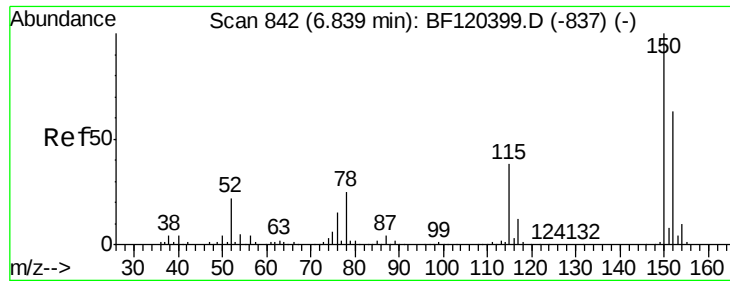
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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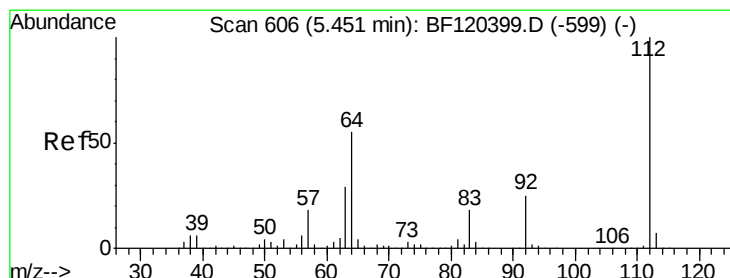
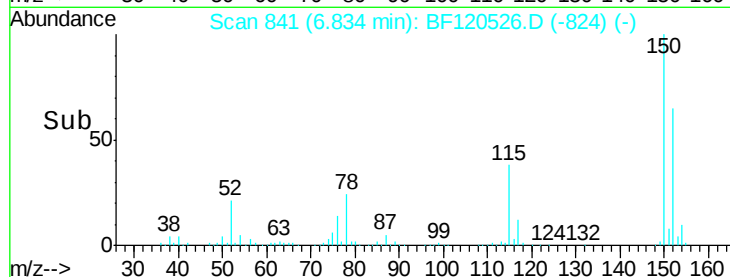
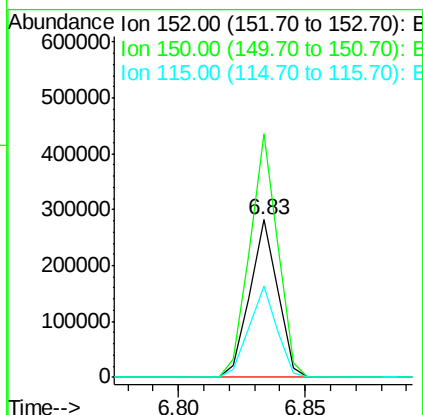
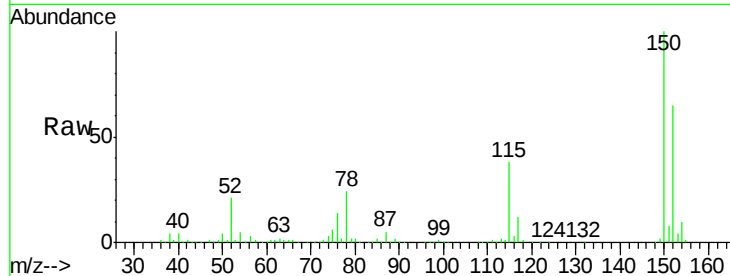


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120526.D
Acq: 3 Jun 2020 22:55

Instrument :
BNA_F
ClientSampleId :
NM112-COMP-2020-0-6

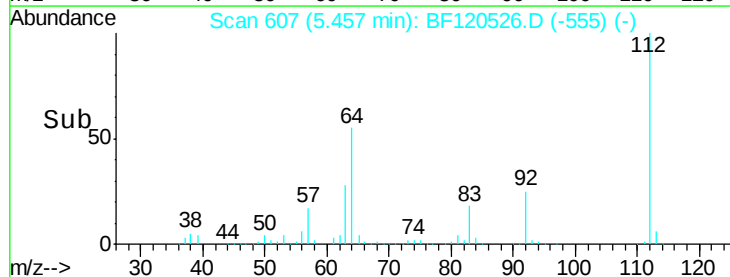
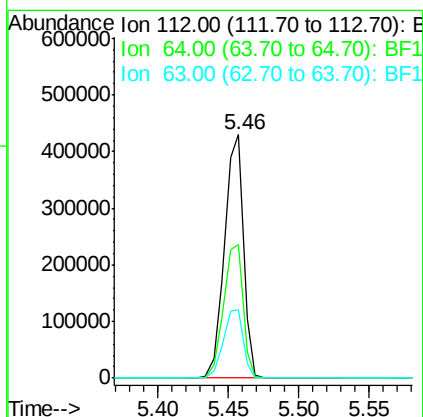
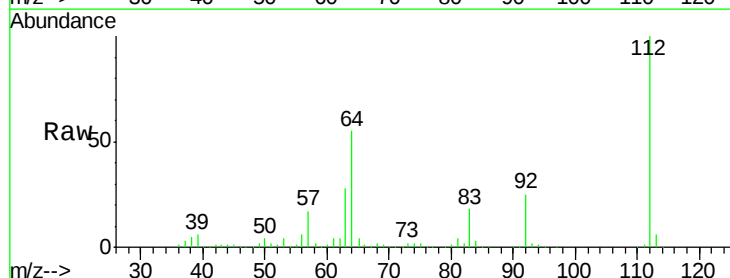
Tot Ion:152 Resp: 217240
Ion Ratio Lower Upper
152 100
150 154.5 127.1 190.7
115 58.0 48.7 73.1



#5

2-Fluorophenol
Concen: 35.339 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120526.D
Acq: 3 Jun 2020 22:55

Tgt Ion:112 Resp: 402835
Ion Ratio Lower Upper
112 100
64 54.7 45.8 68.8
63 28.3 23.7 35.5





#7

Phenol-d6

Concen: 52.960 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6

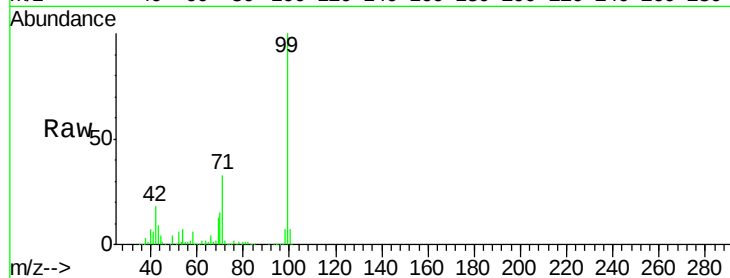
Tot Ion: 99 Resp: 744107

Ion Ratio Lower Upper

99 100

42 18.1 15.0 22.4

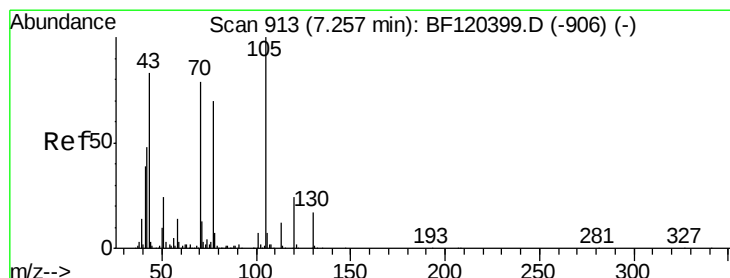
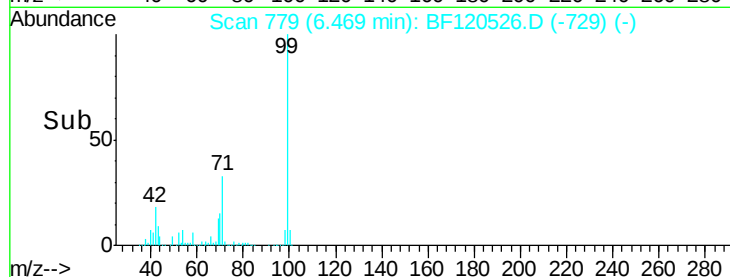
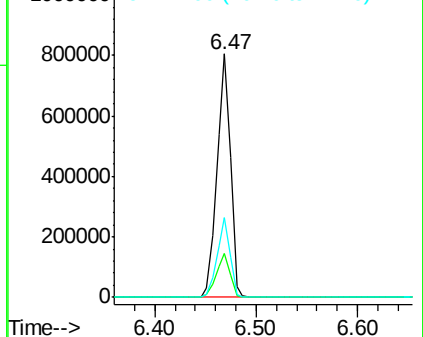
71 32.8 26.3 39.5



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: 6.430 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

Tgt Ion: 70 Resp: 57426

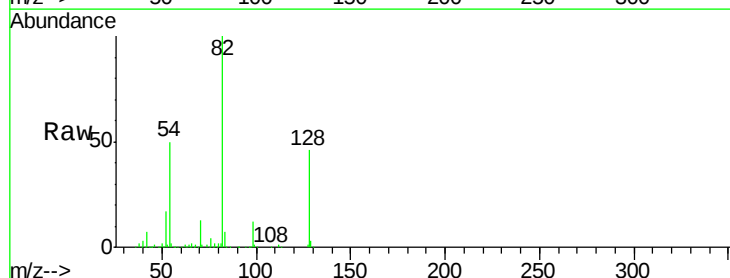
Ion Ratio Lower Upper

70 100

42 49.4 47.6 71.4

101 0.0 7.4 11.0#

130 2.0 17.1 25.7#

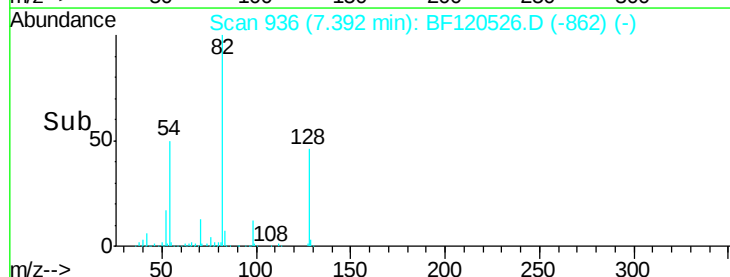
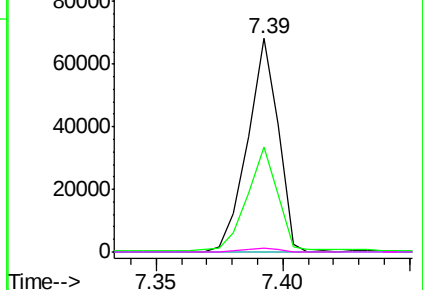


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120526.D

Acq: 3 Jun 2020 22:55

Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6

Tot Ion:136 Resp: 747171

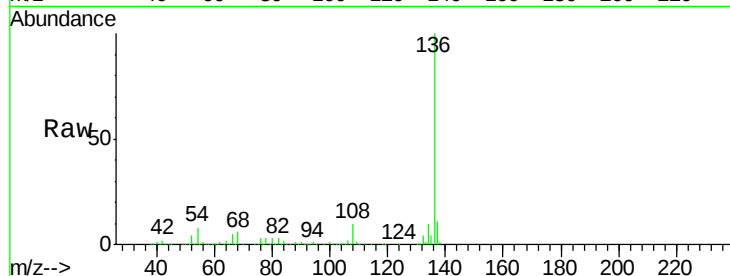
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.6 6.0 9.0

68 5.8 4.8 7.2

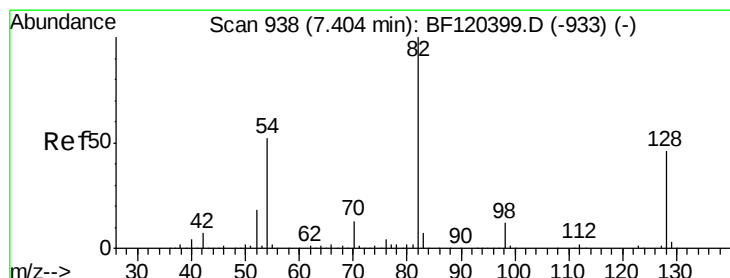
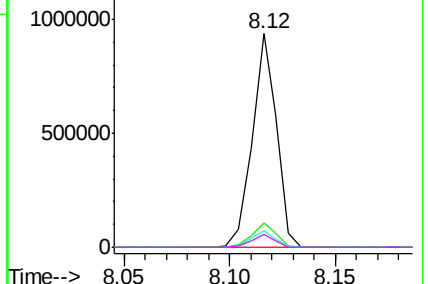
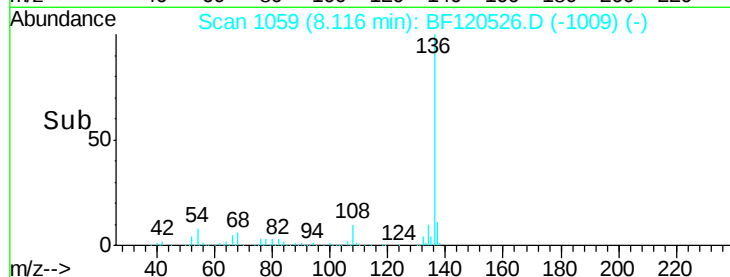


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.598 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

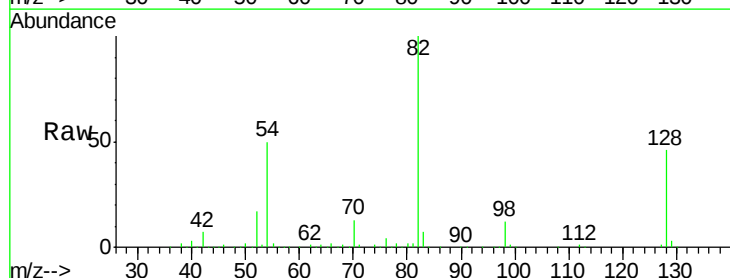
Tgt Ion: 82 Resp: 440876

Ion Ratio Lower Upper

82 100

128 45.8 37.4 56.0

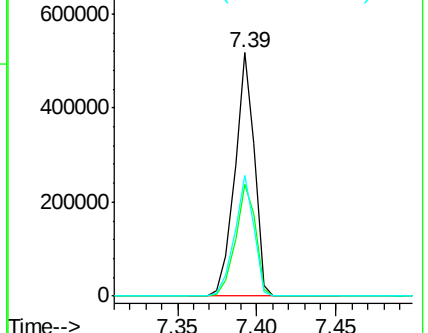
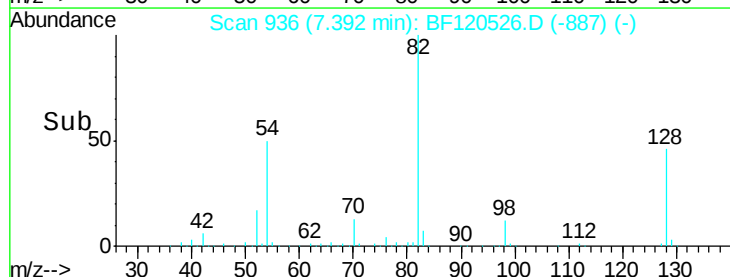
54 49.8 40.7 61.1



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: 19.123 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.27 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6

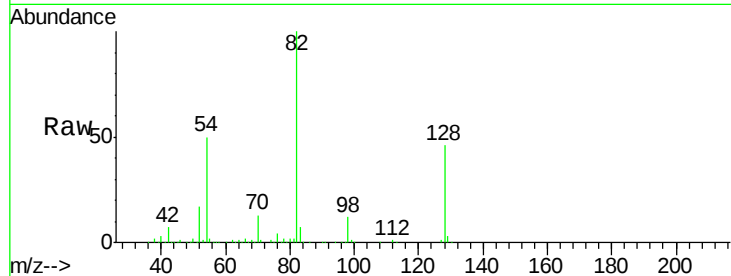
Tot Ion: 82 Resp: 439004

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

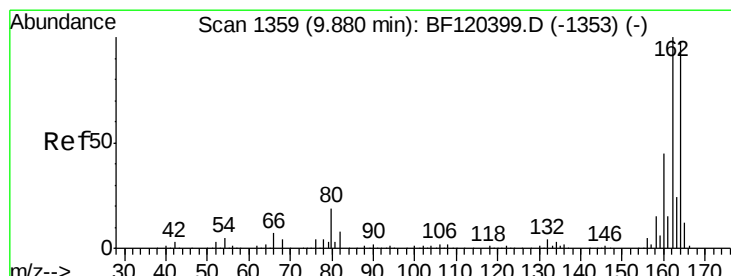
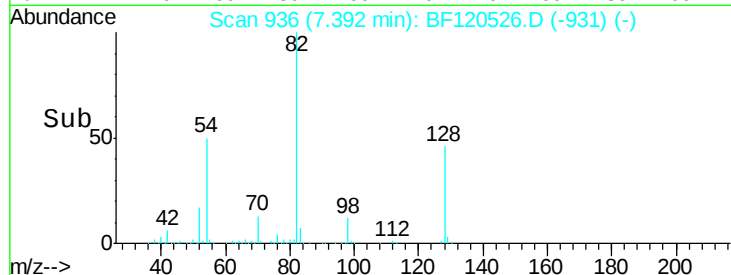
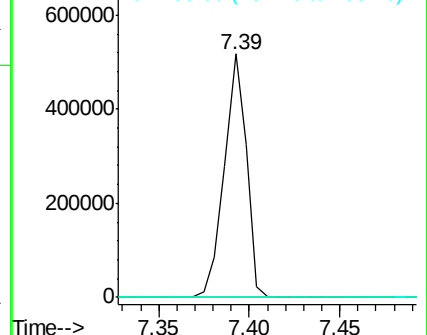
138 0.0 15.0 22.6#



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: BF120526.D

Acq: 3 Jun 2020 22:55

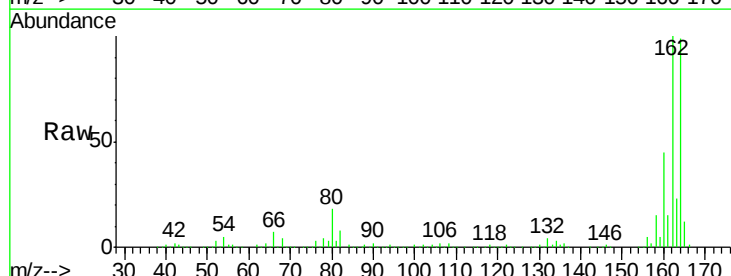
Tgt Ion:164 Resp: 347476

Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.6

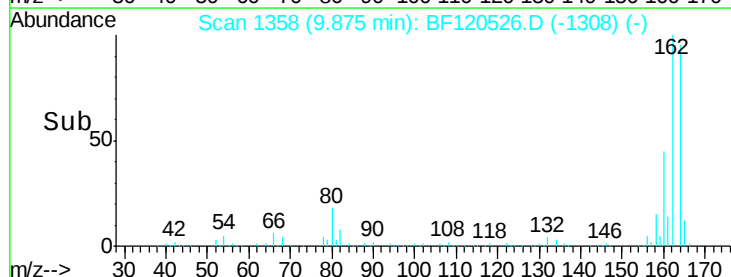
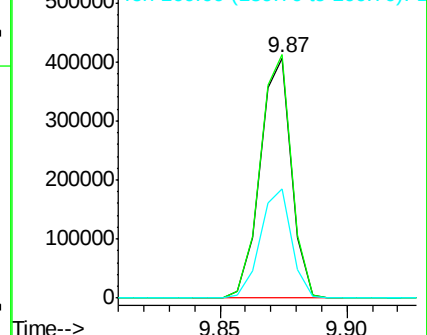
160 45.5 37.3 55.9

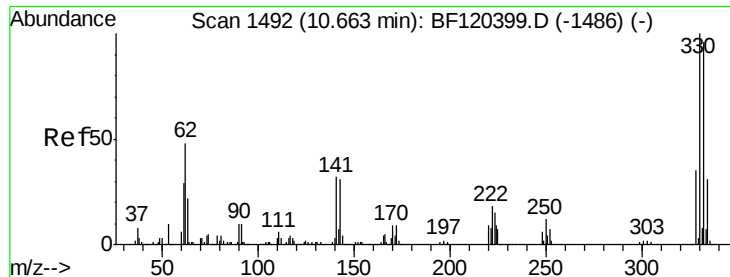


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

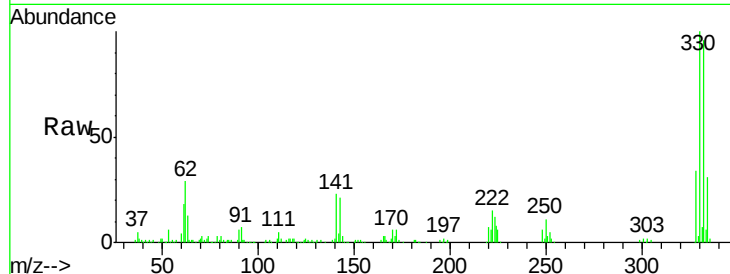




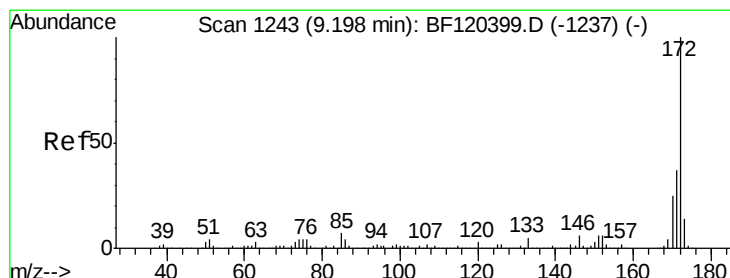
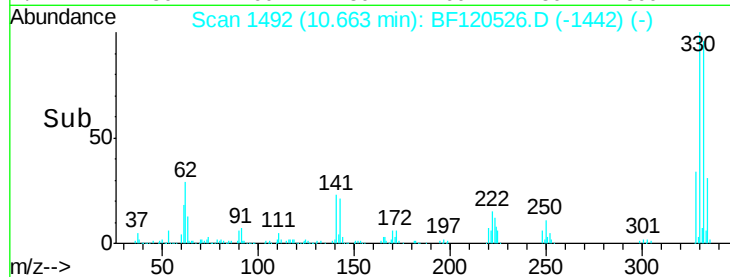
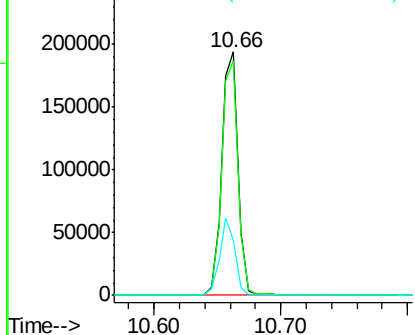
#42
 2,4,6-Tribromophenol
 Concen: 54.136 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120526.D
 Acq: 3 Jun 2020 22:55

Instrument :
 BNA_F
 ClientSampleId :
 NM112-COMP-2020-0-6

Tot Ion:330 Resp: 174292
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 29.9 23.5 35.3

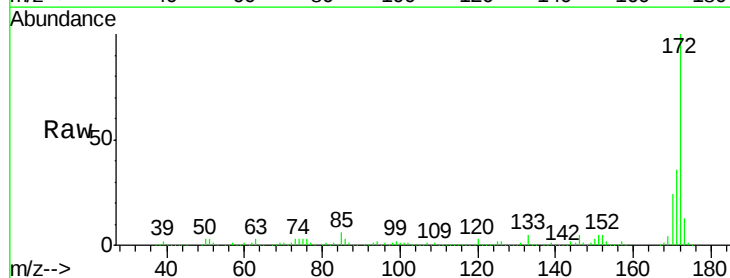


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

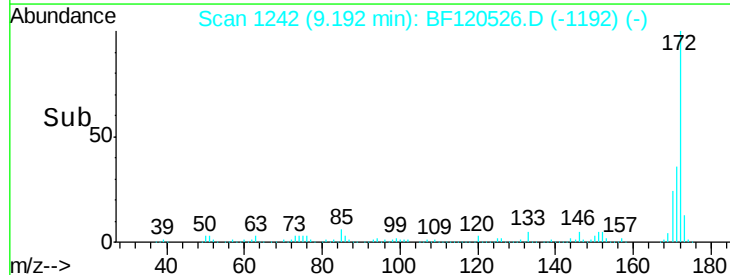
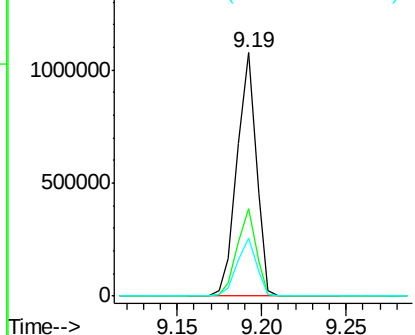


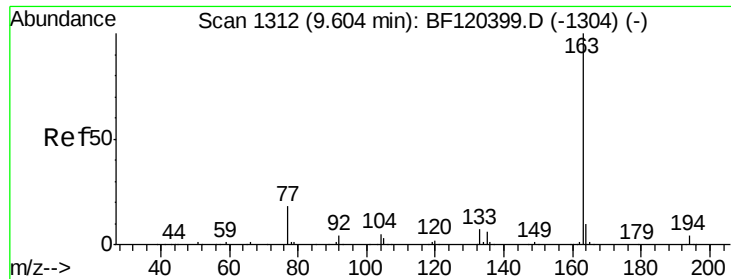
#45
 2-Fluorobiphenyl
 Concen: 41.824 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120526.D
 Acq: 3 Jun 2020 22:55

Tgt Ion:172 Resp: 856535
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 23.8 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

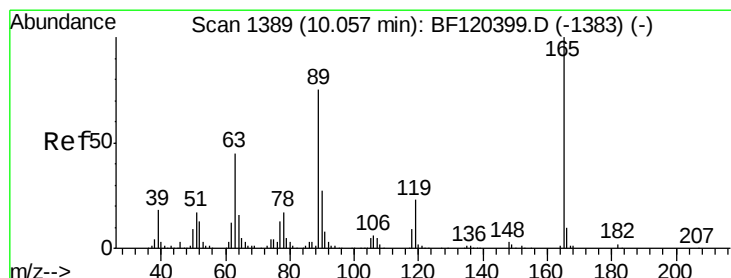
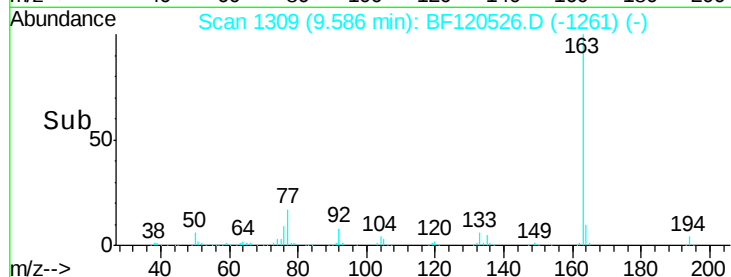
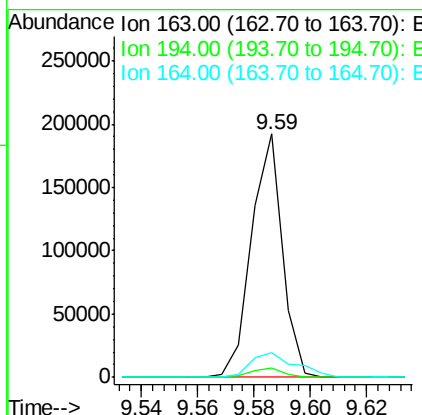
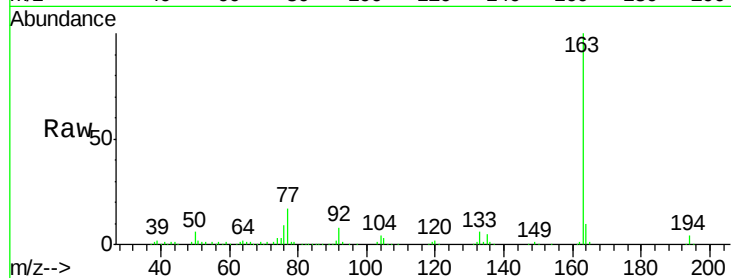




#50
Dimethylphthalate
Concen: 6.684 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120526.D
Acq: 3 Jun 2020 22:55

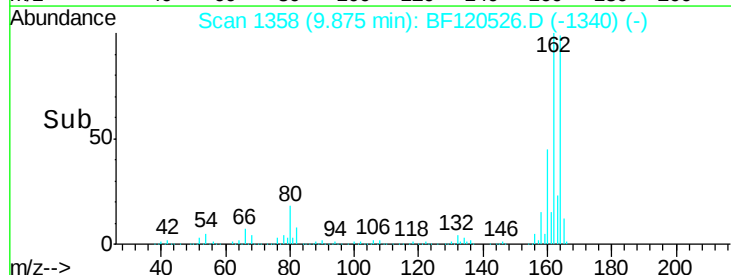
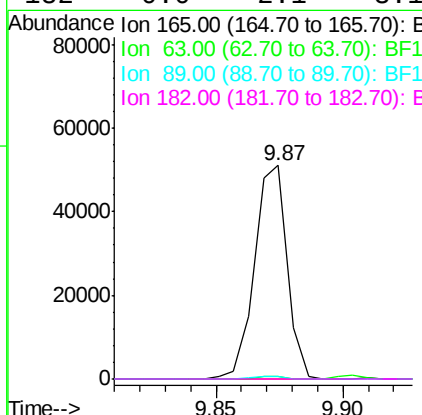
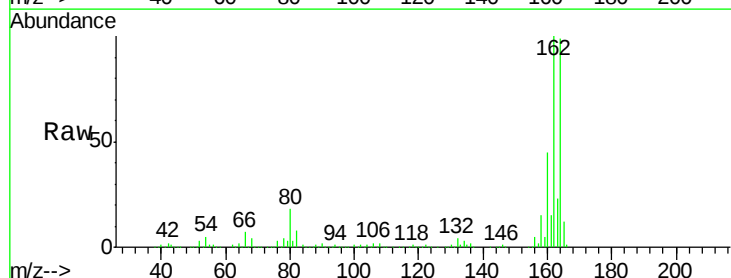
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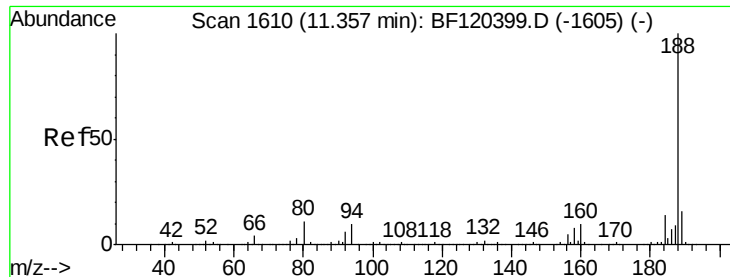
Tot Ion:163 Resp: 145201
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.1 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 7.415 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120526.D
Acq: 3 Jun 2020 22:55

Tgt Ion:165 Resp: 45813
Ion Ratio Lower Upper
165 100
63 1.2 33.4 50.0#
89 1.2 54.7 82.1#
182 0.0 2.1 3.1#

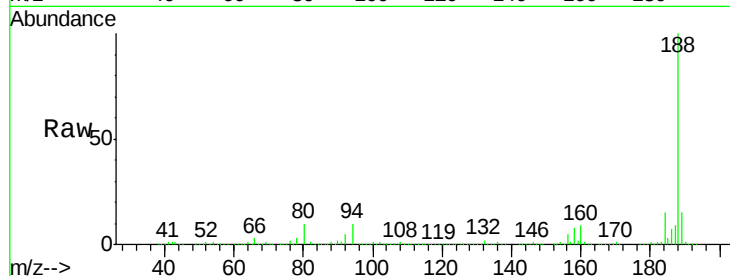




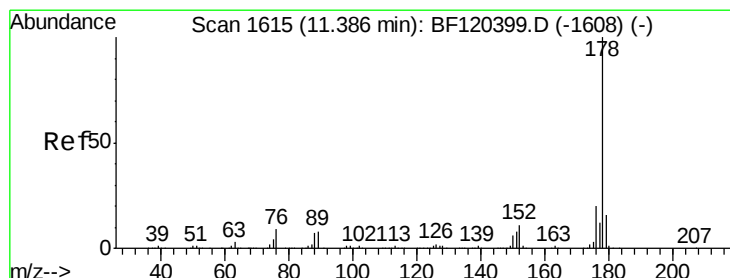
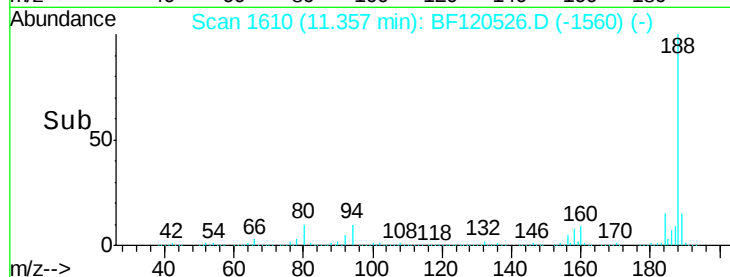
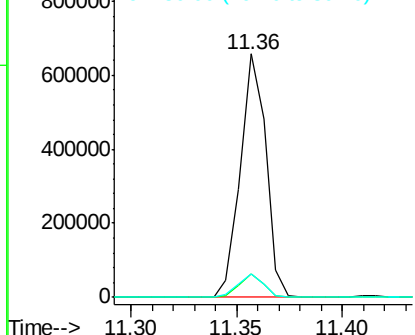
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120526.D
Acq: 3 Jun 2020 22:55

Instrument :
BNA_F
ClientSampleId :
NM112-COMP-2020-0-6

Tot Ion:188 Resp: 550371
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 9.7 7.9 11.9

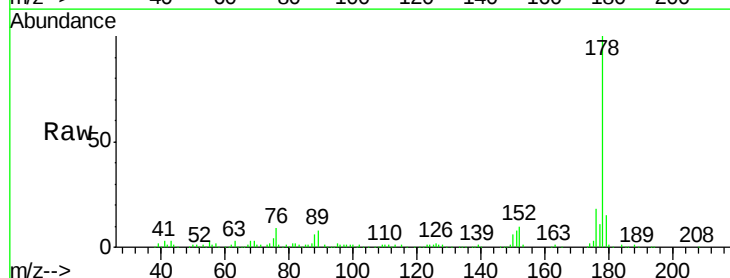


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

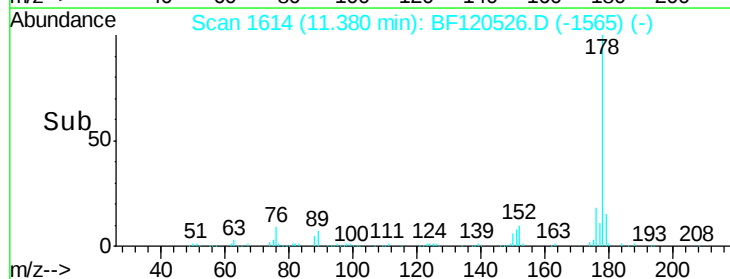
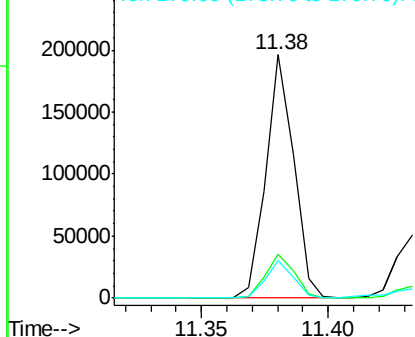


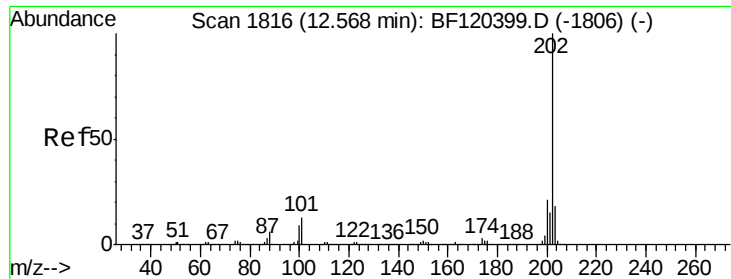
#71
Phenanthrene
Concen: 6.189 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120526.D
Acq: 3 Jun 2020 22:55

Tgt Ion:178 Resp: 150099
Ion Ratio Lower Upper
178 100
176 17.9 16.6 24.8
179 15.4 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: 11.356 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6

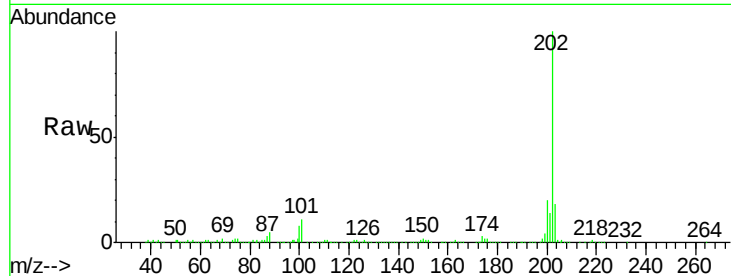
Tot Ion:202 Resp: 296320

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.4

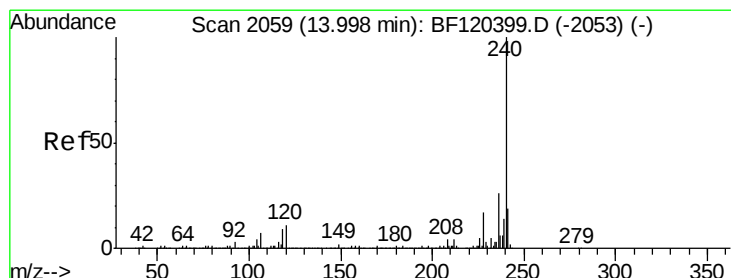
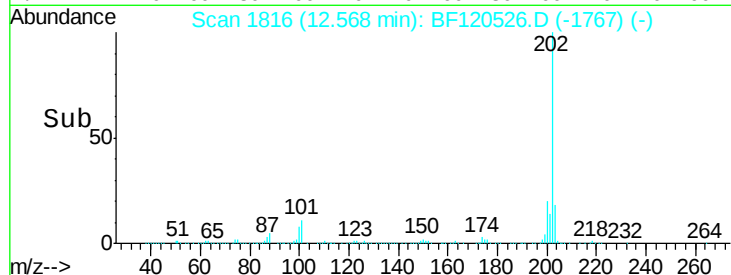
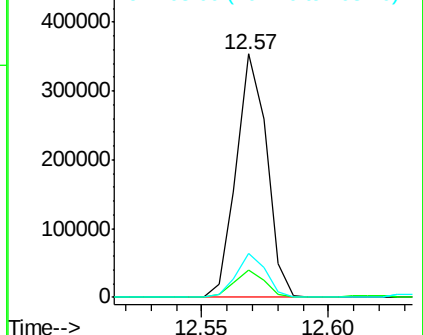
203 17.9 0.0 38.2



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: BF120526.D

Acq: 3 Jun 2020 22:55

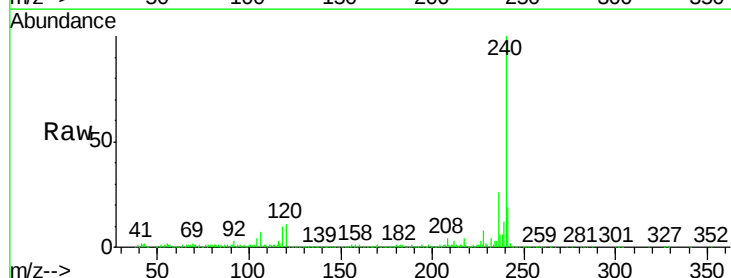
Tgt Ion:240 Resp: 394642

Ion Ratio Lower Upper

240 100

120 11.4 7.9 11.9

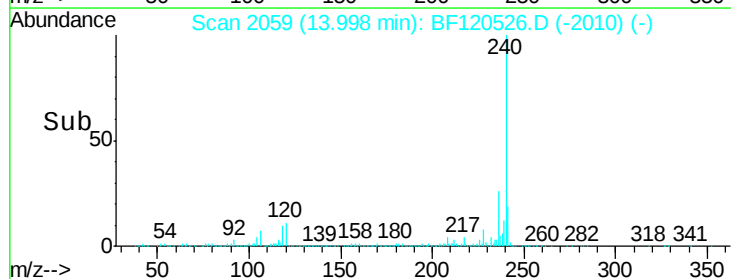
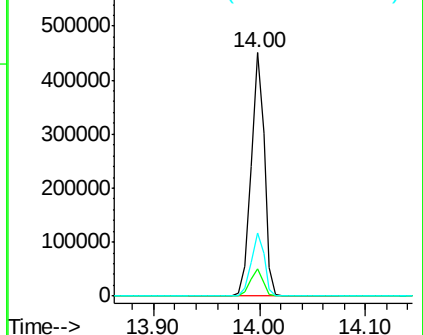
236 25.7 21.1 31.7

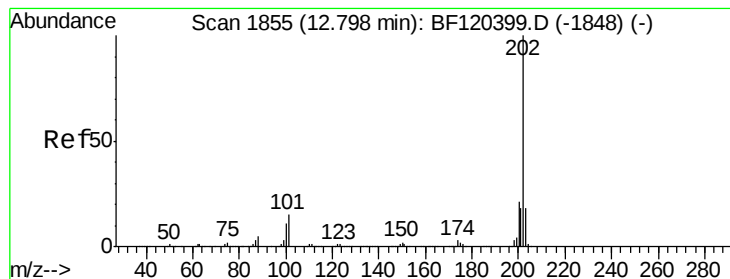


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 9.558 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6

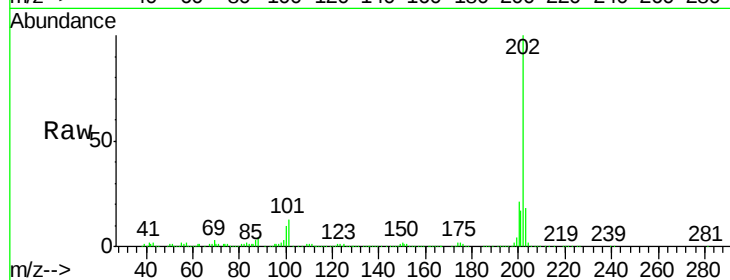
Tot Ion:202 Resp: 262330

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

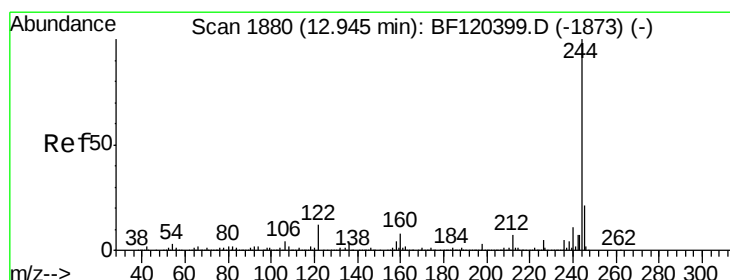
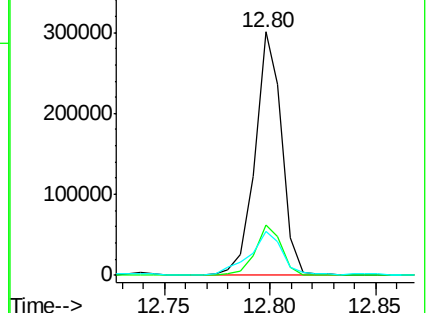
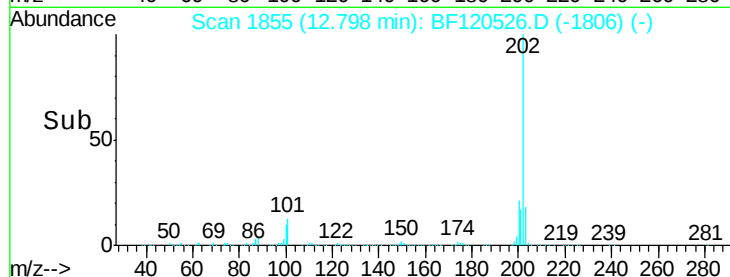
203 18.2 14.5 21.7



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: 38.326 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

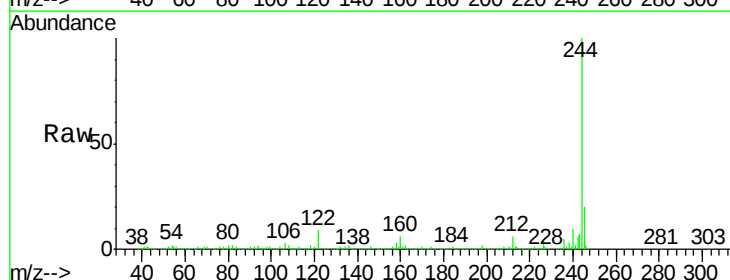
Tgt Ion:244 Resp: 679700

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.8

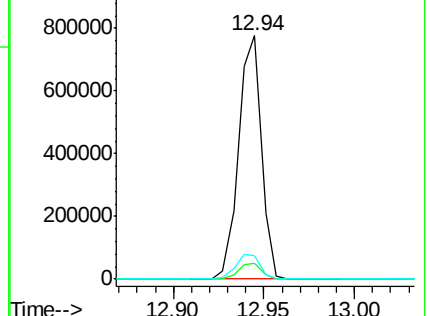
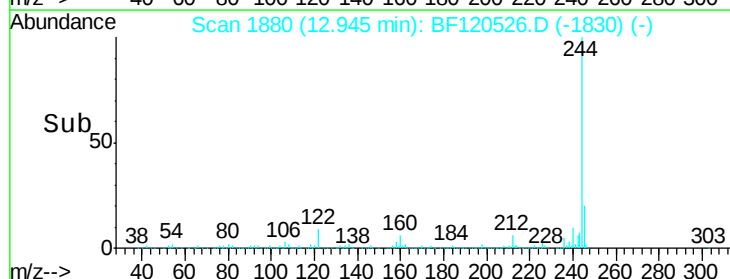
122 9.4 8.2 12.4

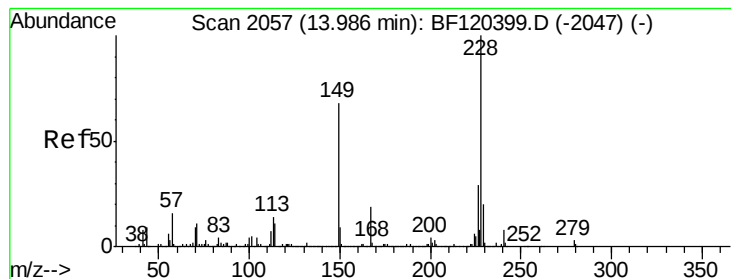


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.128 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6

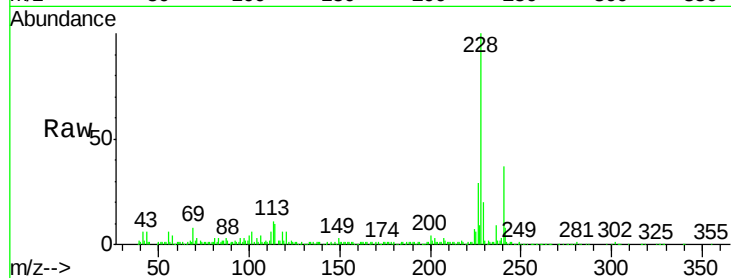
Tot Ion:228 Resp: 150755

Ion Ratio Lower Upper

228 100

226 29.5 22.7 34.1

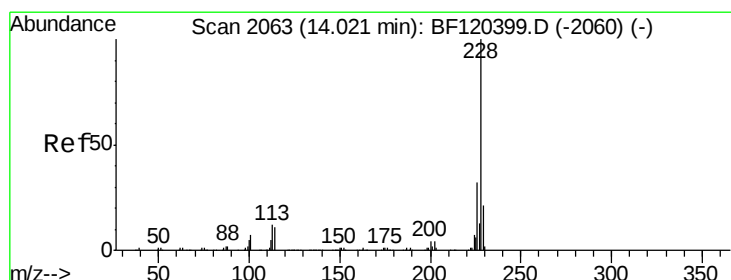
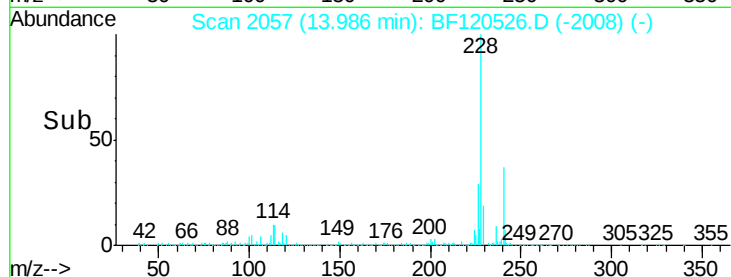
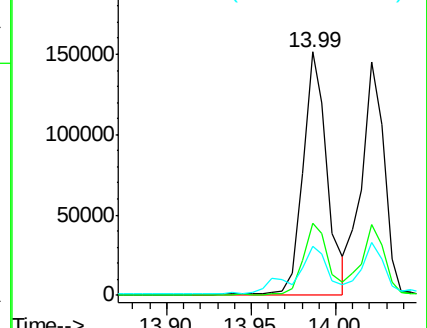
229 20.1 16.3 24.5



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: 6.066 ng

RT: 14.02 min Scan# 2063

Delta R.T. -0.02 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

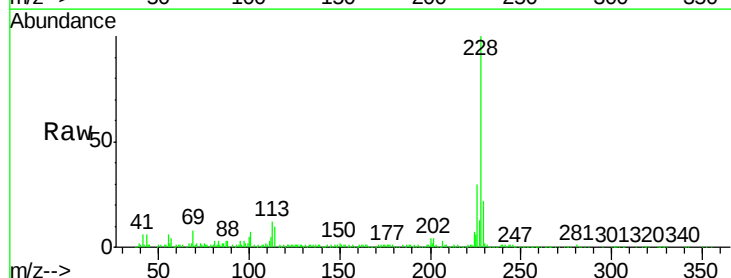
Tgt Ion:228 Resp: 134508

Ion Ratio Lower Upper

228 100

226 30.2 25.2 37.8

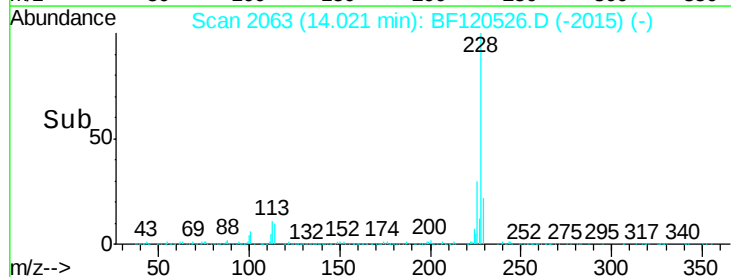
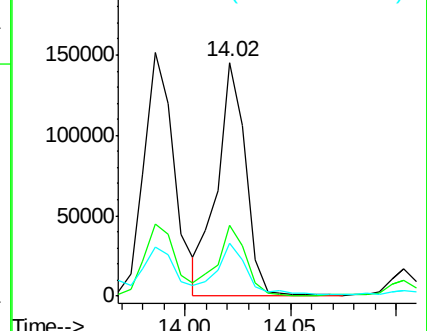
229 22.4 16.1 24.1

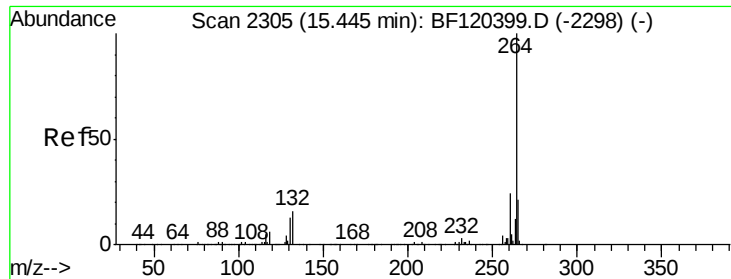


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

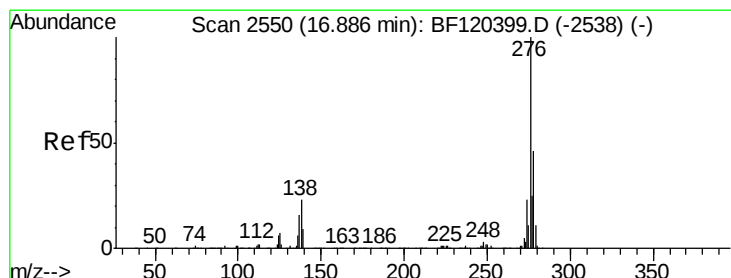
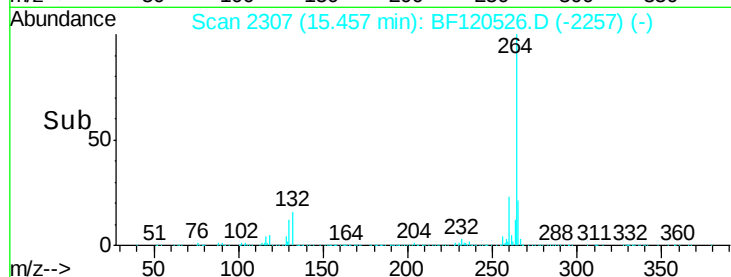
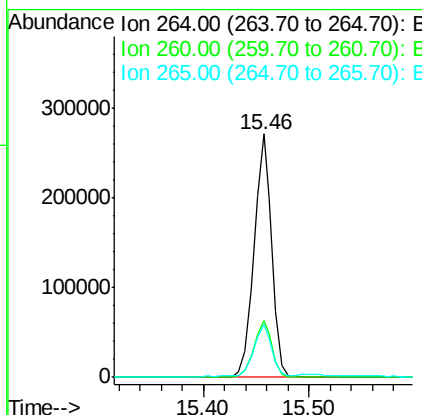
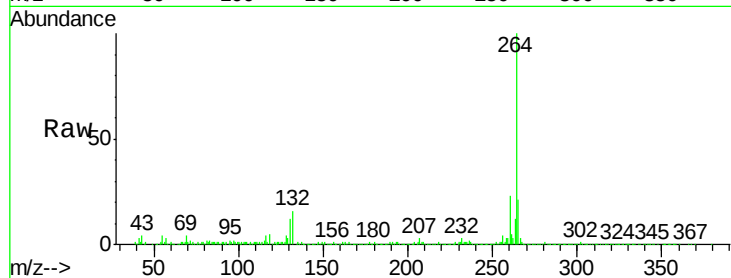




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120526.D
Acq: 3 Jun 2020 22:55

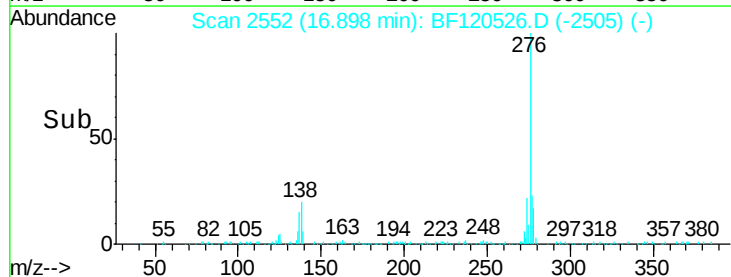
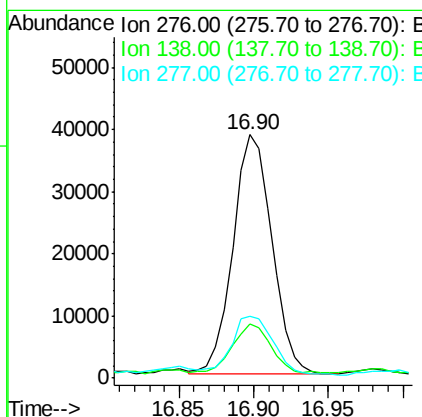
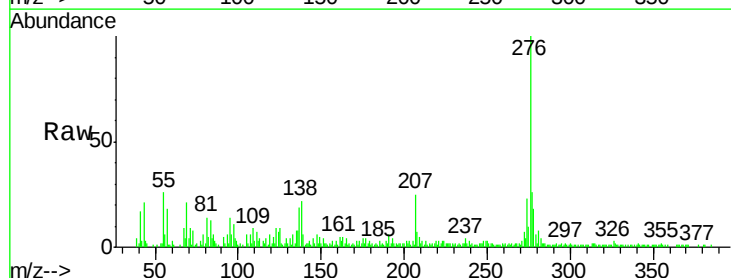
Instrument :
BNA_F
ClientSampleId :
NM112-COMP-2020-0-6

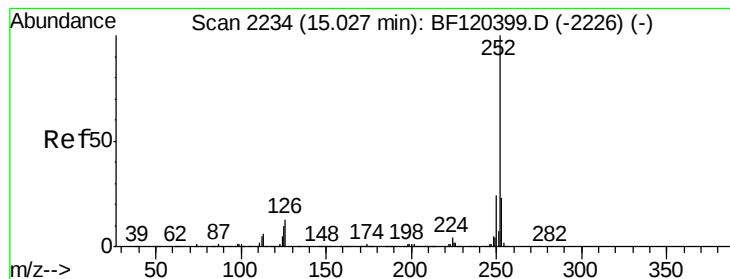
Tot Ion:264 Resp: 316200
Ion Ratio Lower Upper
264 100
260 23.5 19.8 29.8
265 21.5 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.063 ng
RT: 16.90 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF120526.D
Acq: 3 Jun 2020 22:55

Tgt Ion:276 Resp: 70260
Ion Ratio Lower Upper
276 100
138 20.5 19.2 28.8
277 26.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 12.114 ng

RT: 15.03 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6

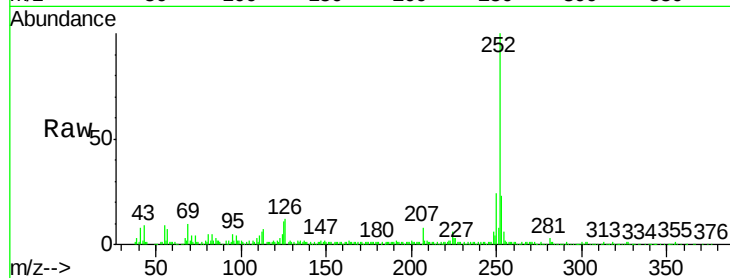
Tot Ion:252 Resp: 212747

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

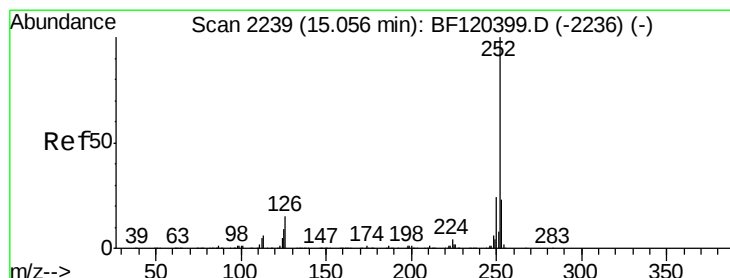
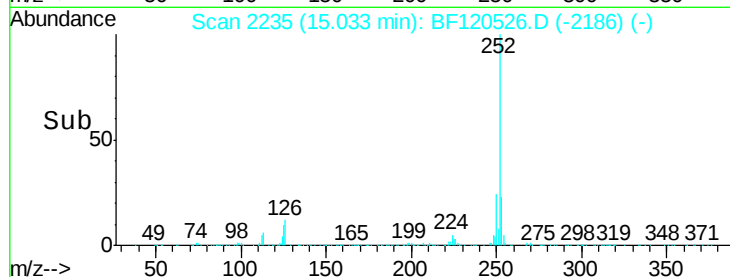
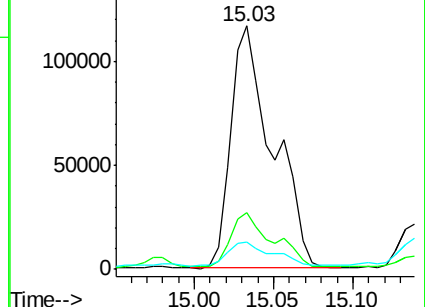
125 11.0 7.6 11.4



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



#89

Benzo(k)fluoranthene

Concen: 12.976 ng

RT: 15.03 min Scan# 2235

Delta R.T. -0.04 min

Lab File: BF120526.D

Acq: 3 Jun 2020 22:55

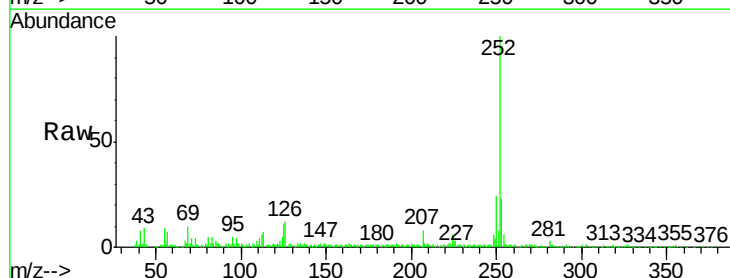
Tgt Ion:252 Resp: 212747

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

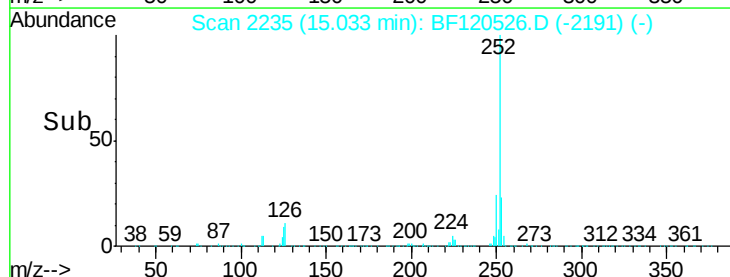
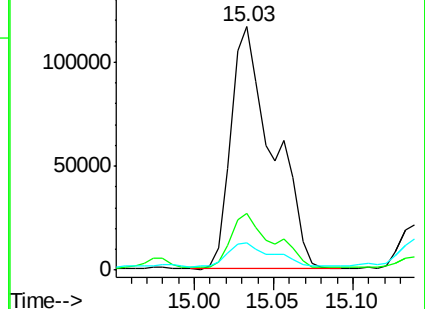
125 11.0 7.5 11.3

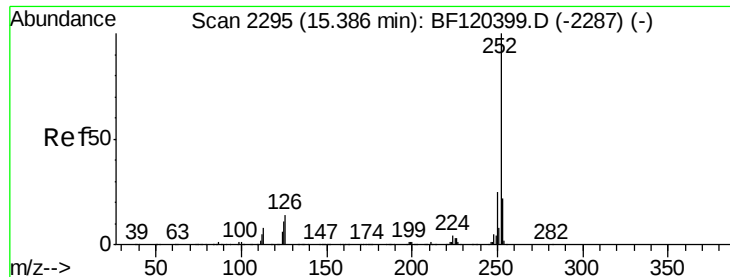


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

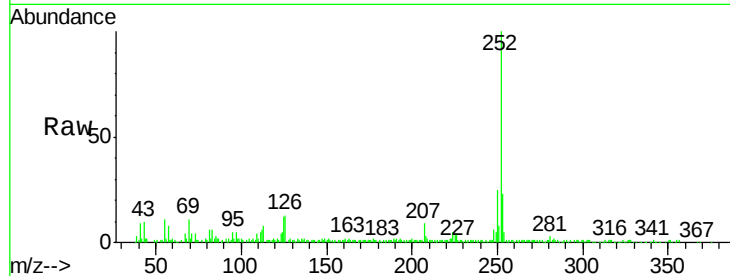




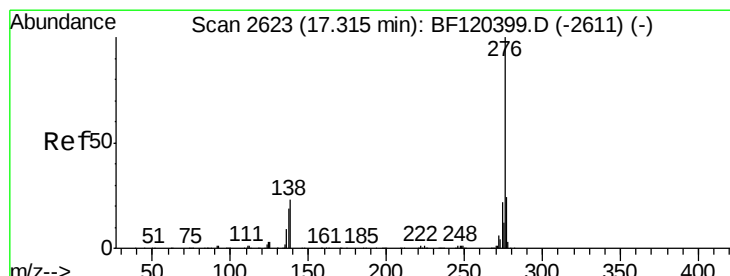
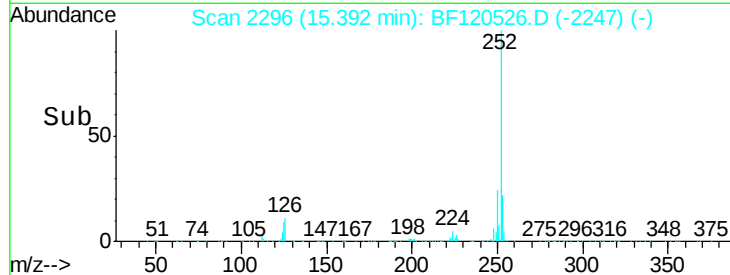
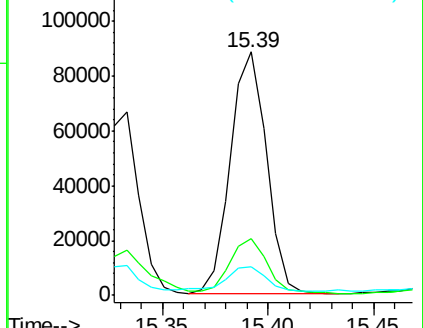
#90
Benzo(a)pyrene
Concen: 6.828 ng
RT: 15.39 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF120526.D
Acq: 3 Jun 2020 22:55

Instrument :
BNA_F
ClientSampleId :
NM112-COMP-2020-0-6

Tot Ion:252 Resp: 104885
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 11.5 9.2 13.8

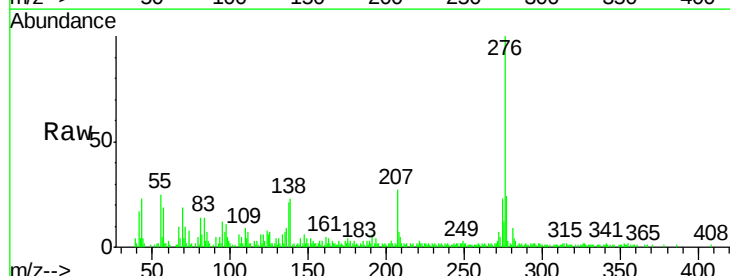


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.928 ng
RT: 17.34 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BF120526.D
Acq: 3 Jun 2020 22:55

Tgt Ion:276 Resp: 68534
Ion Ratio Lower Upper
276 100
277 23.6 19.4 29.2
138 22.8 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

