

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120536.D
 Acq On : 4 Jun 2020 16:29
 Operator : JU/CG
 Sample : L2839-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM104-COMP-2020-0-6

Quant Time: Jun 04 17:06:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	182233	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	613478	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	354849	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	603820	20.00	ng	0.00
76) Chrysene-d12	13.99	240	486308	20.00	ng	-0.01
86) Perylene-d12	15.45	264	448347	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	649510	67.92	ng	0.00
7) Phenol-d6	6.46	99	887283	75.28	ng	0.00
23) Nitrobenzene-d5	7.39	82	723339	77.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	290269	88.29	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1087189	51.98	ng	0.00
79) Terphenyl-d14	12.94	244	1271146	58.16	ng	0.00

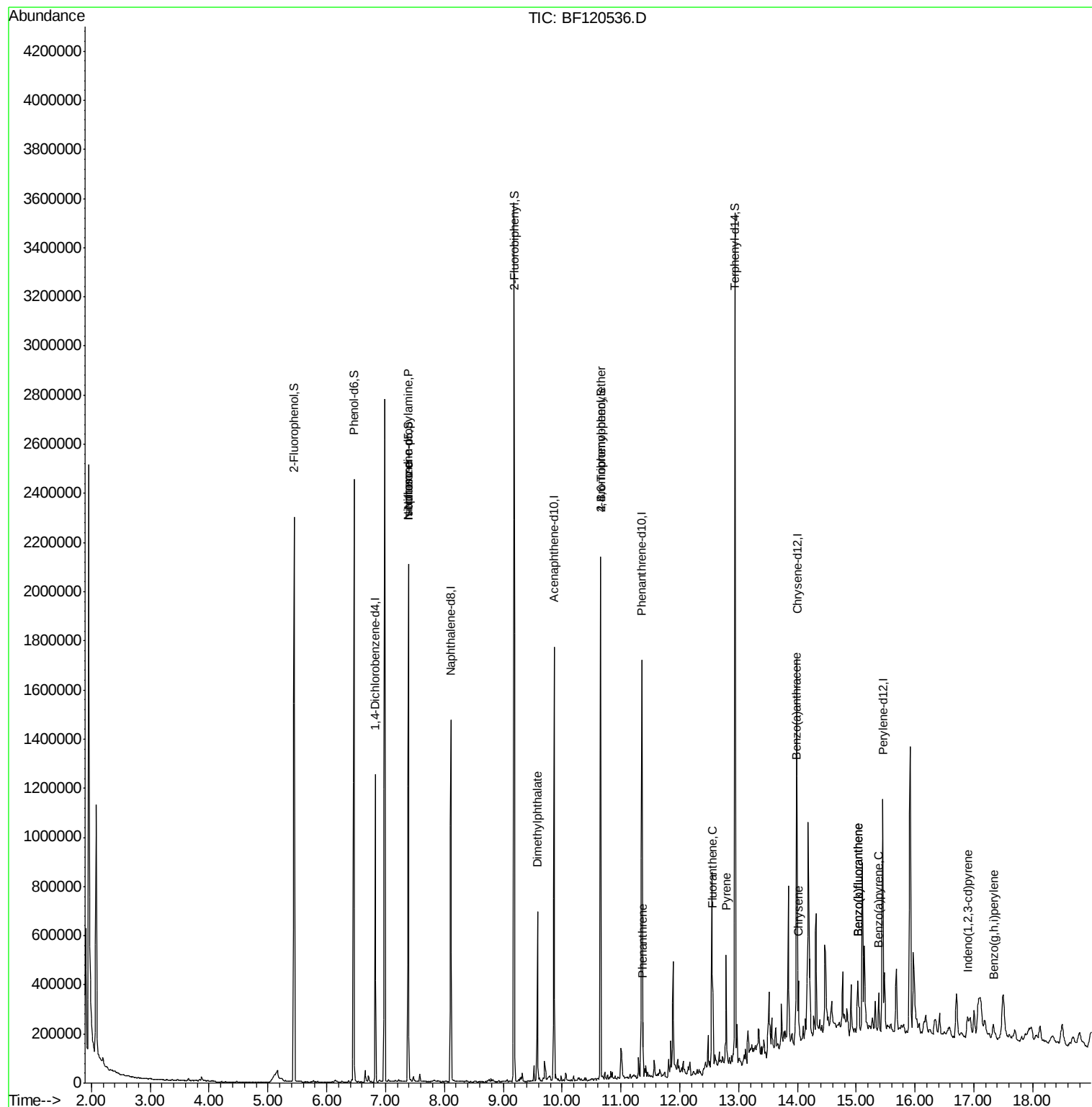
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	96480	12.878	ng	# 78
25) Isophorone	7.39	82	719899	38.192	ng	# 63
50) Dimethylphthalate	9.58	163	264435	11.920	ng	99
67) 4-Bromophenyl-phenylether	10.66	248	17135	2.811	ng	# 1
71) Phenanthrene	11.37	178	68674	2.581	ng	98
75) Fluoranthene	12.56	202	166513	5.816	ng	99
78) Pyrene	12.79	202	167645	4.957	ng	99
81) Benzo(a)anthracene	13.98	228	92715	3.557	ng	97
83) Chrysene	14.02	228	88387	3.235	ng	97
87) Indeno(1,2,3-cd)pyrene	16.89	276	49236	2.008	ng	95
88) Benzo(b)fluoranthene	15.03	252	152203	6.112	ng	# 97
89) Benzo(k)fluoranthene	15.03	252	152203	6.547	ng	98
90) Benzo(a)pyrene	15.39	252	79982	3.672	ng	99
92) Benzo(a,h,i)perylene	17.33	276	46506	2.359	ng	99

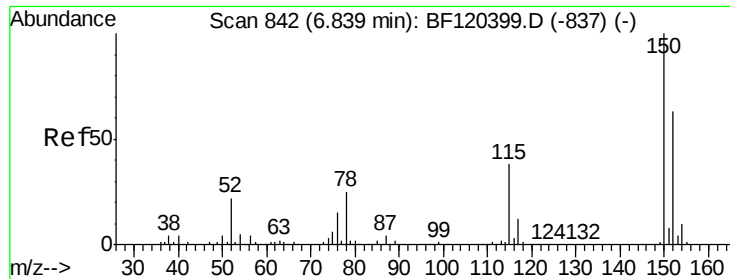
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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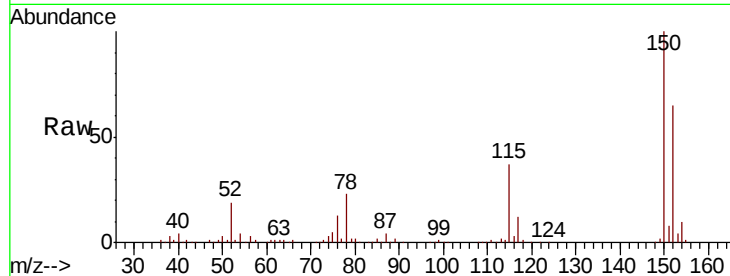


#1

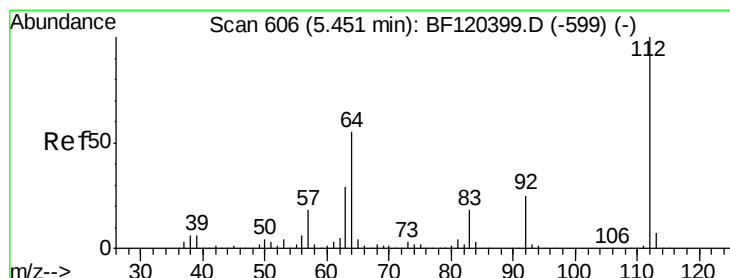
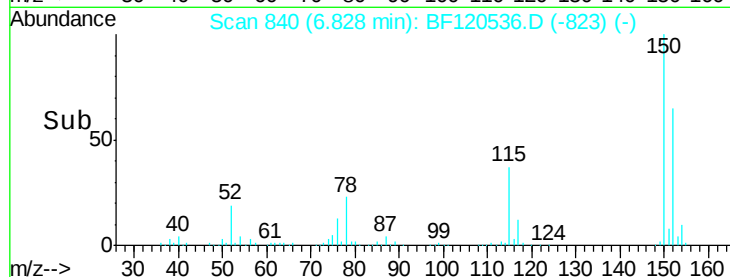
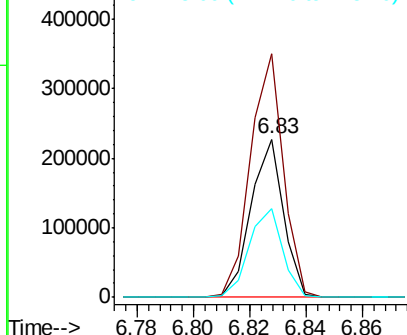
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF120536.D
Acq: 4 Jun 2020 16:29

Instrument :
BNA_F
ClientSampleId :
NM104-COMP-2020-0-6

Tot Ion:152 Resp: 182233
Ion Ratio Lower Upper
152 100
150 154.1 126.3 189.5
115 56.3 48.1 72.1



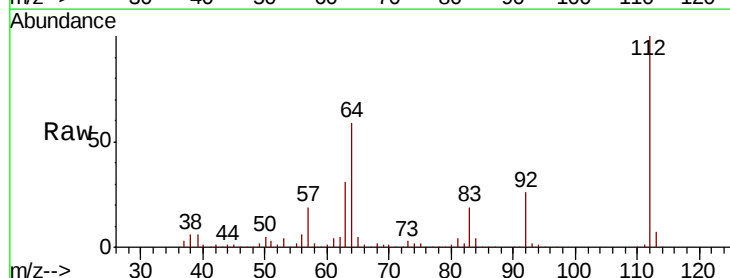
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



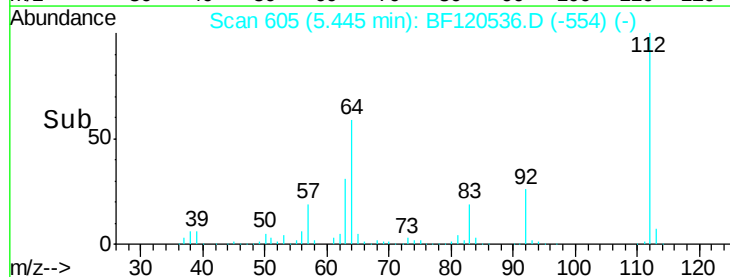
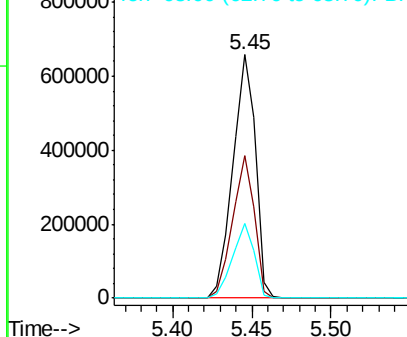
#5

2-Fluorophenol
Concen: 67.924 ng
RT: 5.45 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF120536.D
Acq: 4 Jun 2020 16:29

Tgt Ion:112 Resp: 649510
Ion Ratio Lower Upper
112 100
64 58.8 47.2 70.8
63 30.9 24.7 37.1



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: 75.282 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

Instrument :

BNA_F

ClientSampleId :

NM104-COMP-2020-0-6

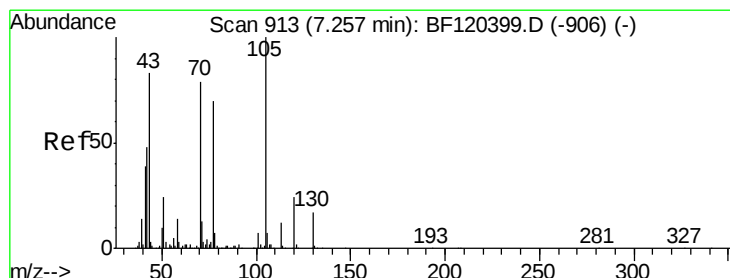
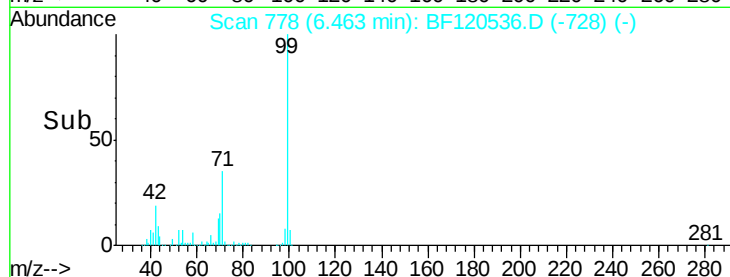
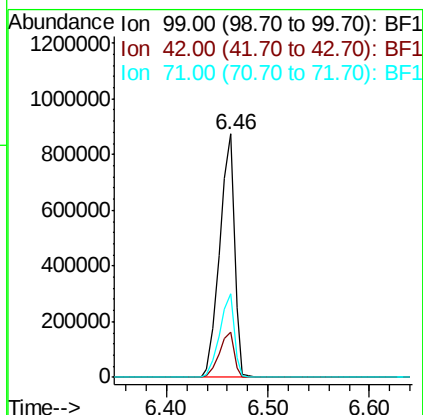
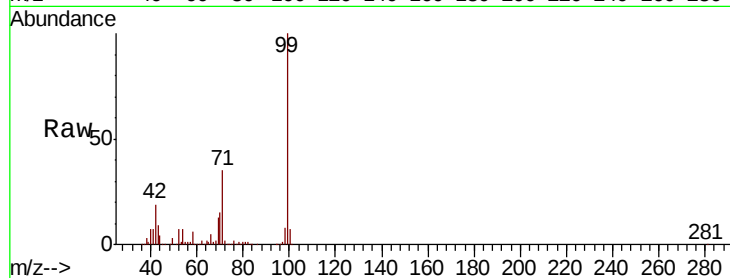
Tot Ion: 99 Resp: 887283

Ion Ratio Lower Upper

99 100

42 18.7 15.0 22.6

71 34.6 27.0 40.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.878 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.14 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

Tgt Ion: 70 Resp: 96480

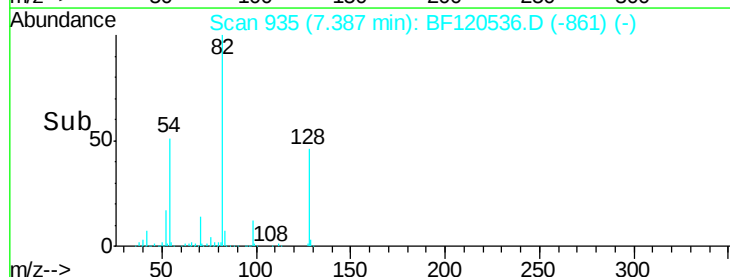
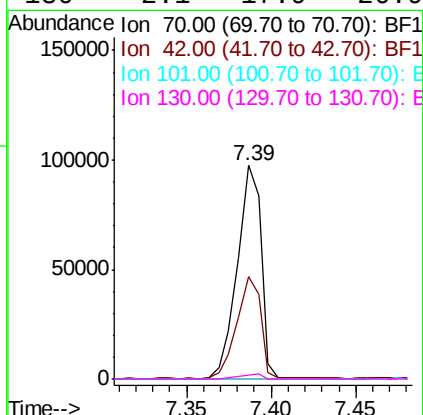
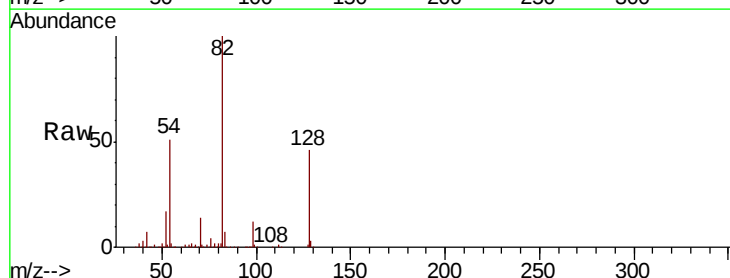
Ion Ratio Lower Upper

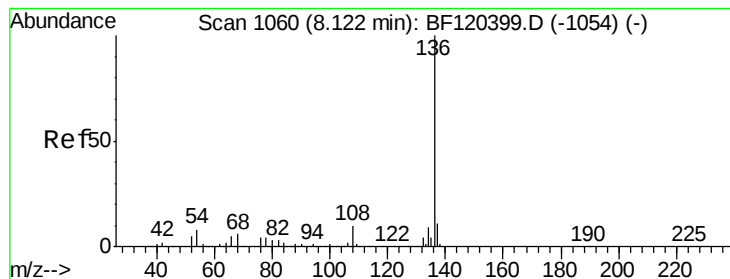
70 100

42 48.2 47.0 70.4

101 0.0 7.8 11.8#

130 2.1 17.9 26.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

Instrument :

BNA_F

ClientSampleId :

NM104-COMP-2020-0-6

Tot Ion:136 Resp: 613478

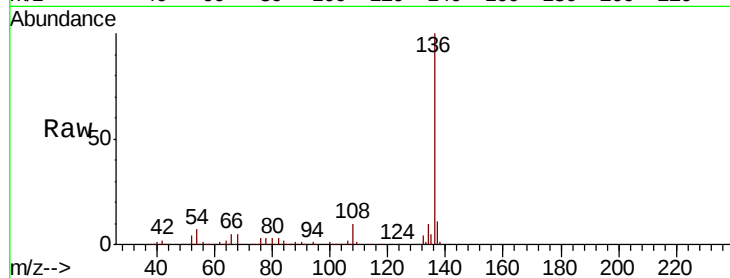
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.0 5.4 8.0

68 5.1 4.3 6.5

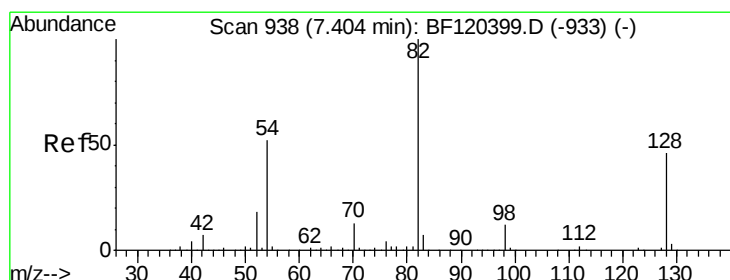
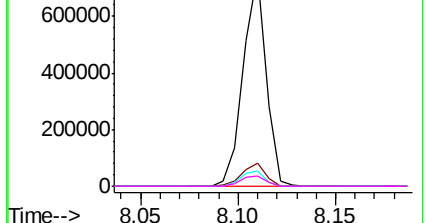
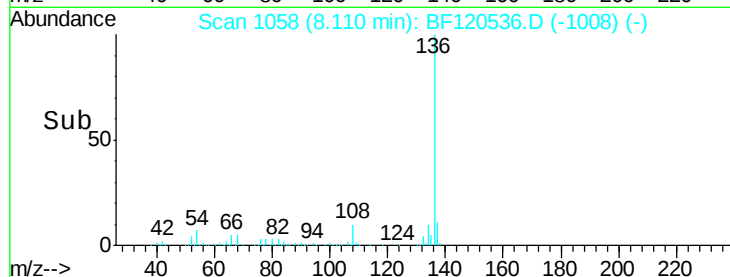


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.127 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

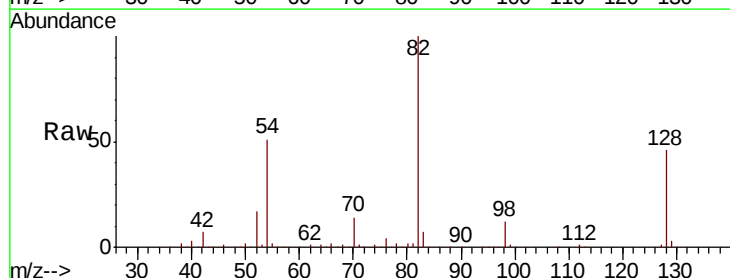
Tgt Ion: 82 Resp: 723339

Ion Ratio Lower Upper

82 100

128 46.5 36.7 55.1

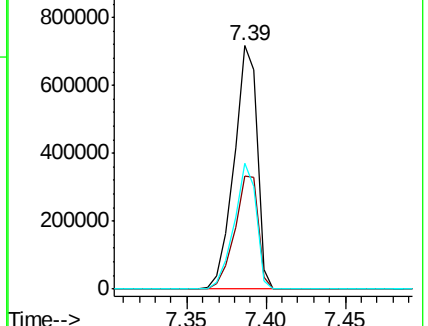
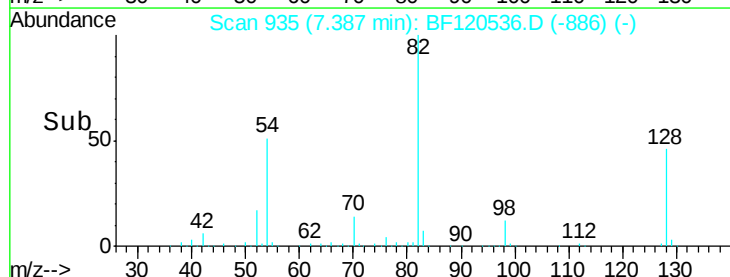
54 51.5 40.0 60.0



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: 38.192 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.27 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

Instrument :

BNA_F

ClientSampleId :

NM104-COMP-2020-0-6

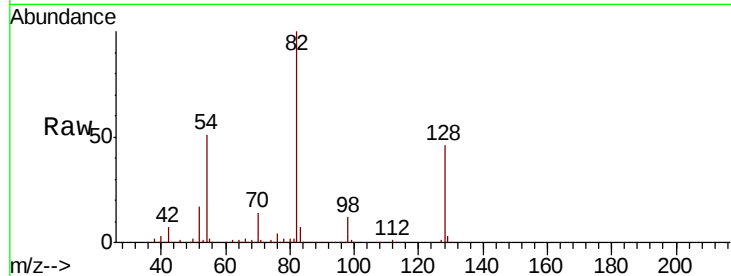
Tot Ion: 82 Resp: 719899

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

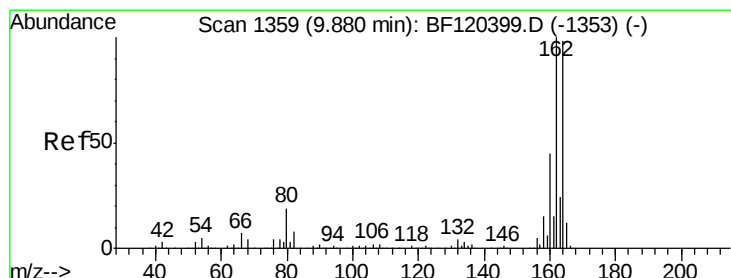
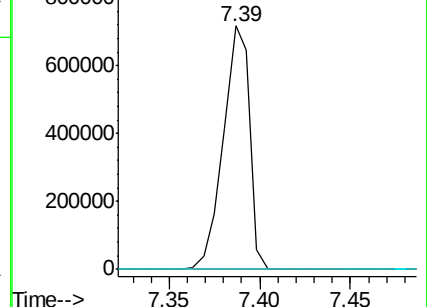
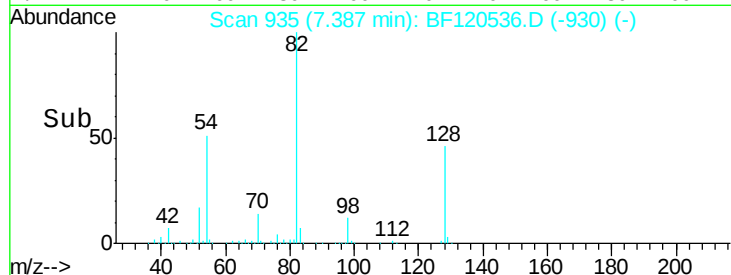
138 0.0 15.6 23.4#



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: 9.86 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

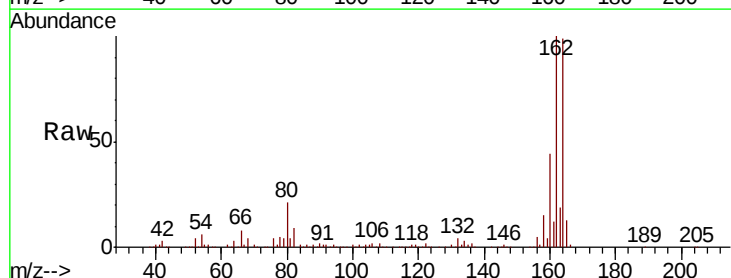
Tgt Ion:164 Resp: 354849

Ion Ratio Lower Upper

164 100

162 101.1 81.2 121.8

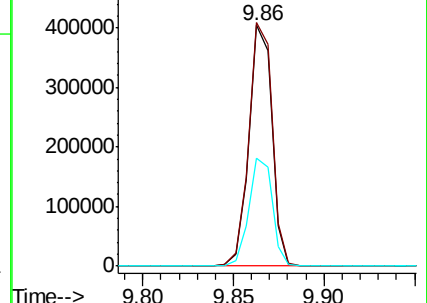
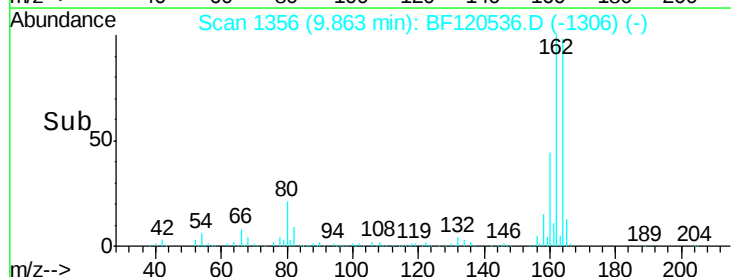
160 44.5 37.0 55.4

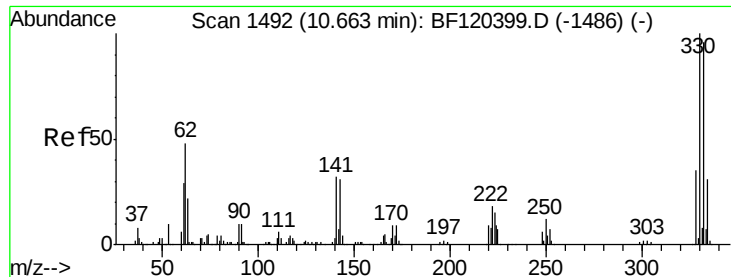


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

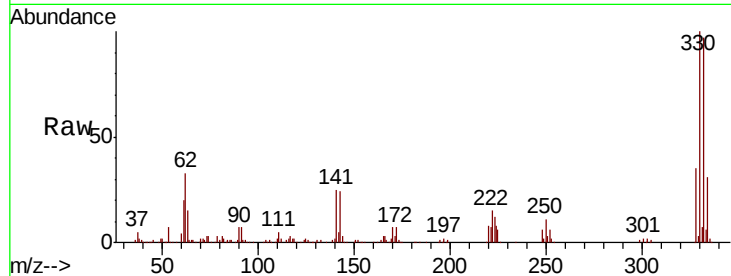




#42
 2,4,6-Tribromophenol
 Concen: 88.286 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120536.D
 Acq: 4 Jun 2020 16:29

Instrument :
 BNA_F
 ClientSampleId :
 NM104-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.4
141	29.8	23.8	35.8

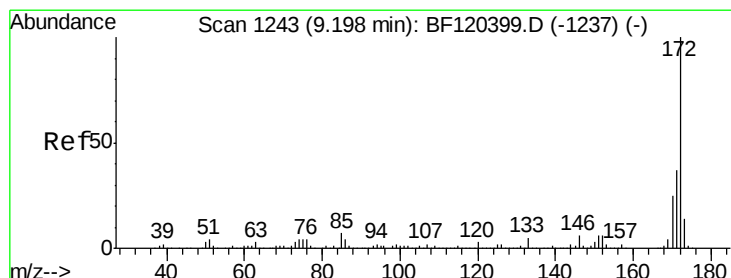
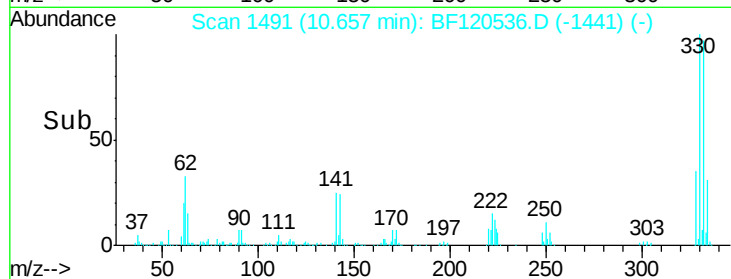
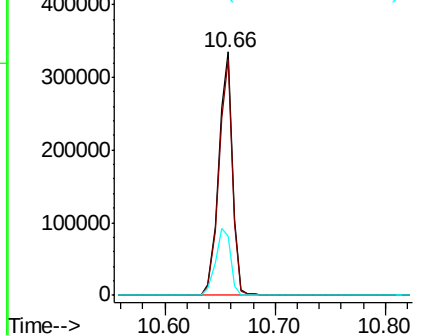


Abundance

Ion 329.80 (329.50 to 330.50): E

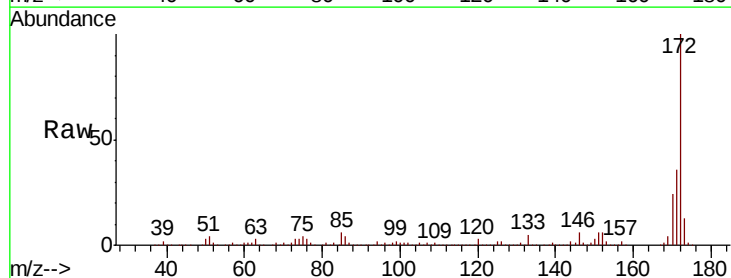
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 51.983 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120536.D
 Acq: 4 Jun 2020 16:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.5	44.3
170	23.7	19.8	29.6

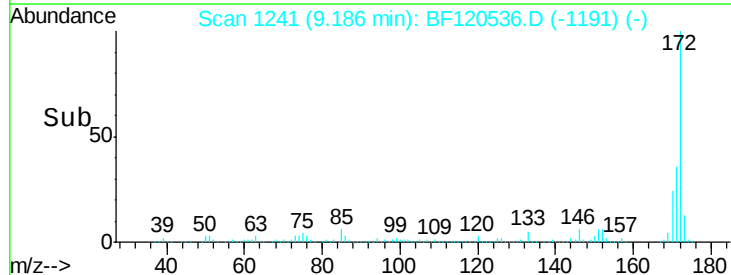
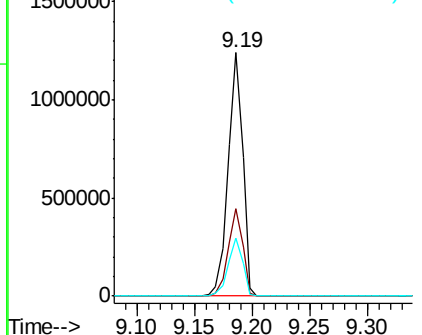


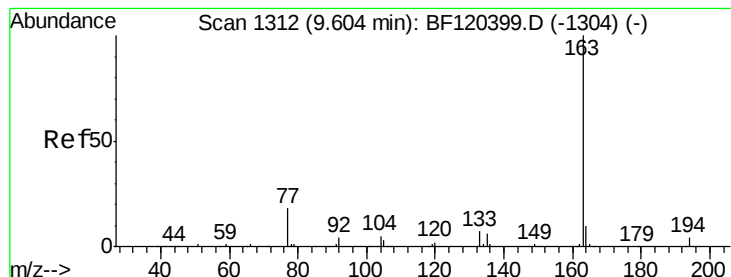
Abundance

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: 11.920 ng

RT: 9.58 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

Instrument :

BNA_F

ClientSampleId :

NM104-COMP-2020-0-6

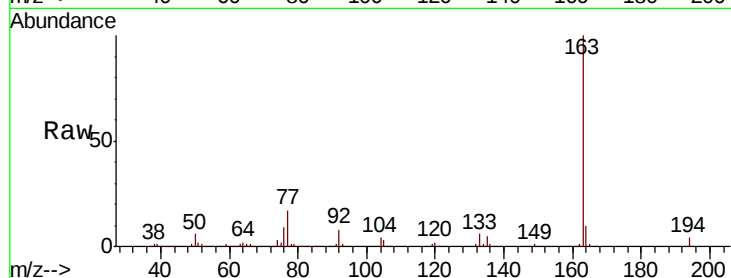
Tot Ion:163 Resp: 264435

Ion Ratio Lower Upper

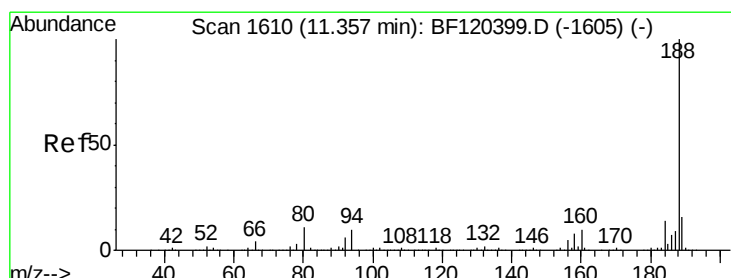
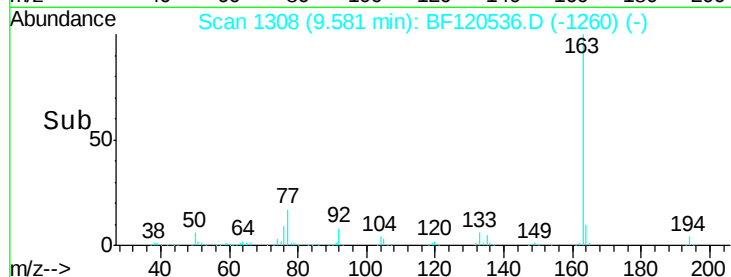
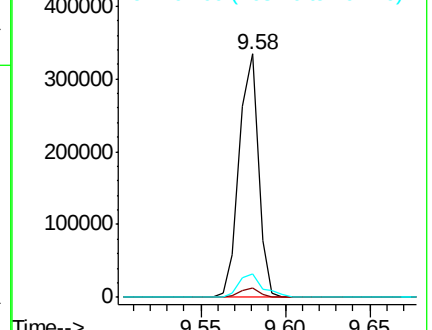
163 100

194 4.1 3.1 4.7

164 9.8 8.0 12.0



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

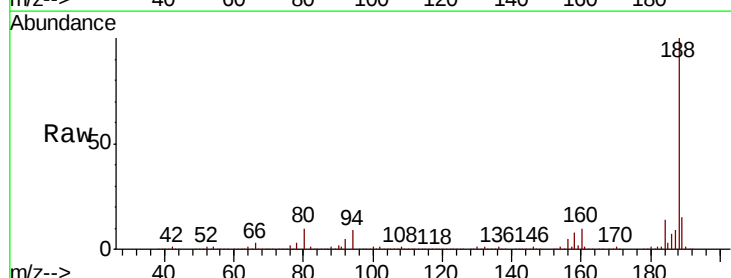
Tgt Ion:188 Resp: 603820

Ion Ratio Lower Upper

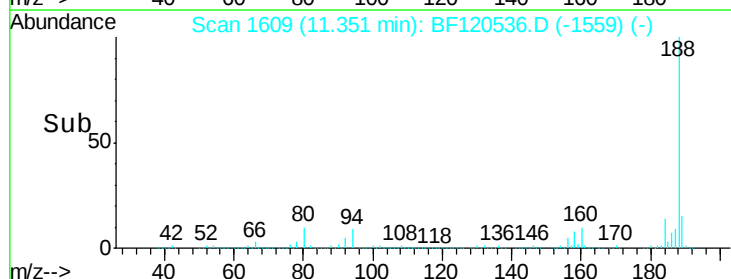
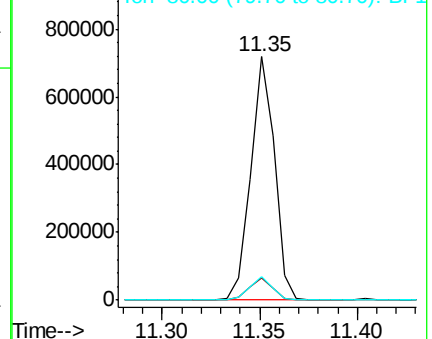
188 100

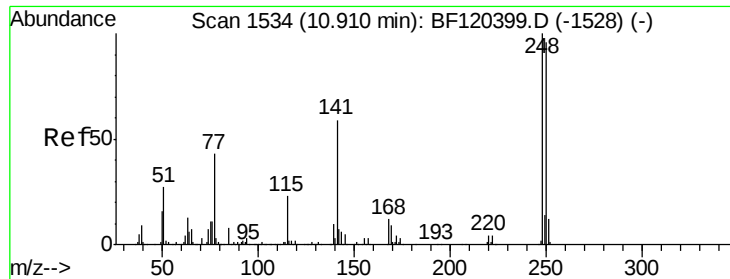
94 9.0 7.4 11.2

80 9.7 7.6 11.4



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

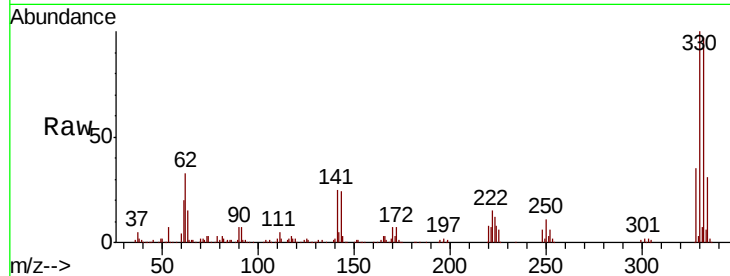




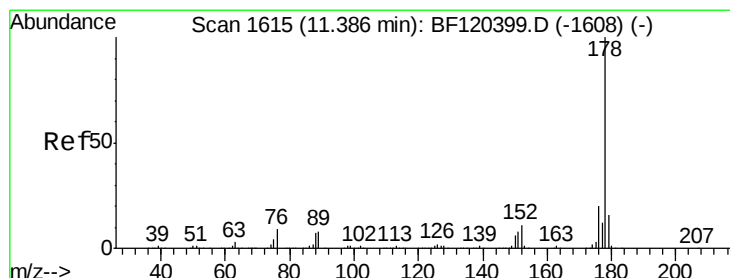
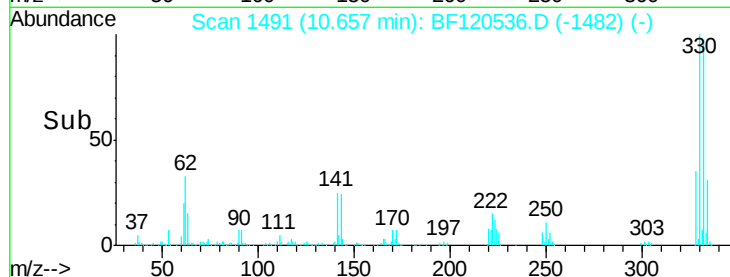
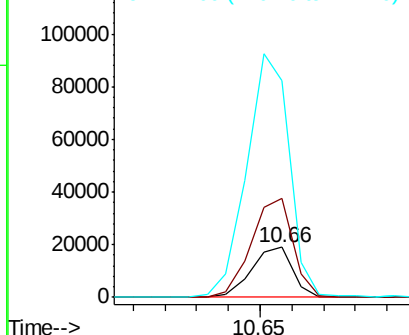
#67
 4-Bromophenyl-phenylether
 Concen: 2.811 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120536.D
 Acq: 4 Jun 2020 16:29

Instrument :
 BNA_F
 ClientSampleId :
 NM104-COMP-2020-0-6

Tot Ion:248 Resp: 17135
 Ion Ratio Lower Upper
 248 100
 250 198.1 77.4 116.0#
 141 434.6 46.1 69.1#

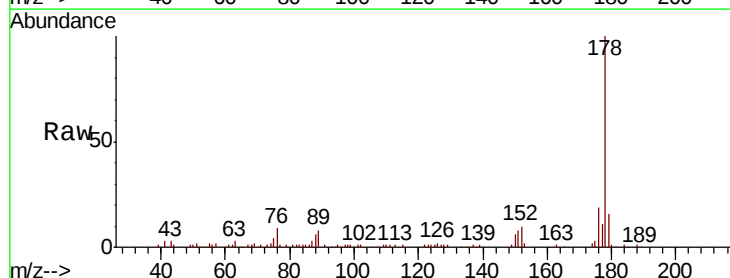


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

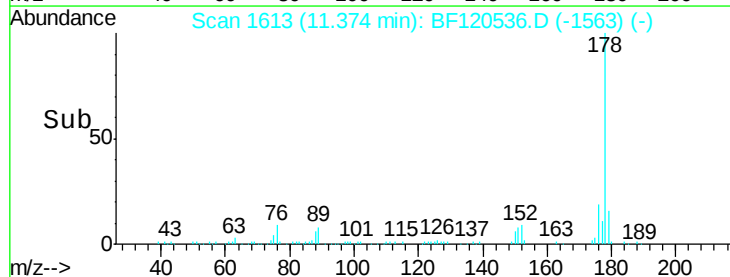
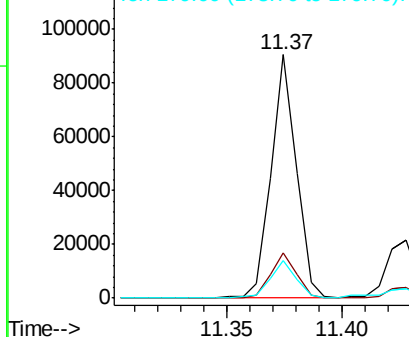


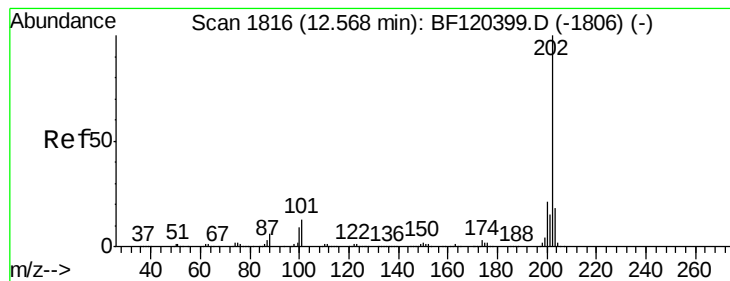
#71
 Phenanthrene
 Concen: 2.581 ng
 RT: 11.37 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BF120536.D
 Acq: 4 Jun 2020 16:29

Tgt Ion:178 Resp: 68674
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.2 24.2
 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: 5.816 ng

RT: 12.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

Instrument :

BNA_F

ClientSampleId :

NM104-COMP-2020-0-6

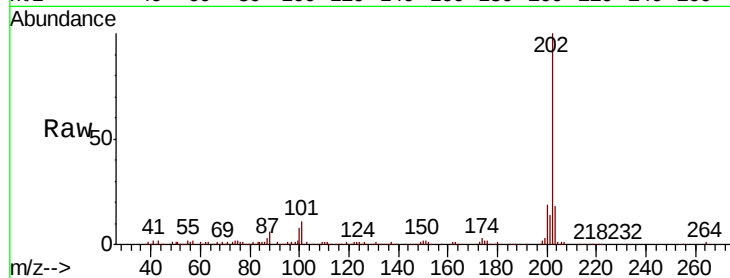
Tot Ion:202 Resp: 166513

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.3

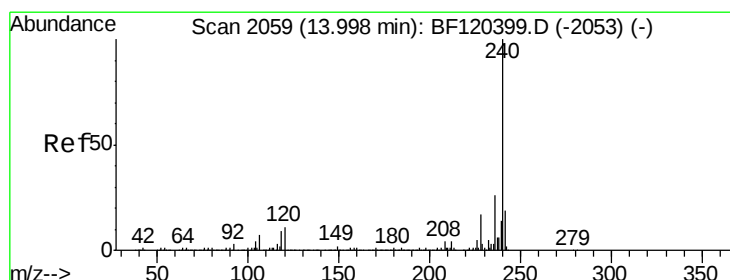
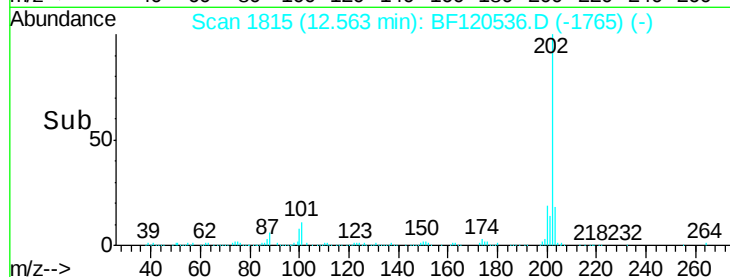
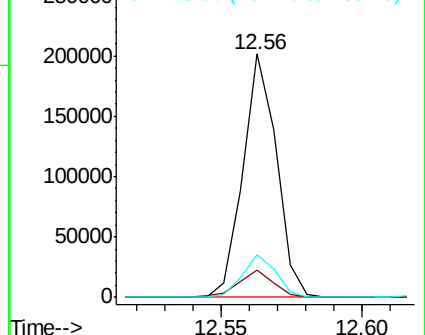
203 17.6 0.0 38.4



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: 13.99 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

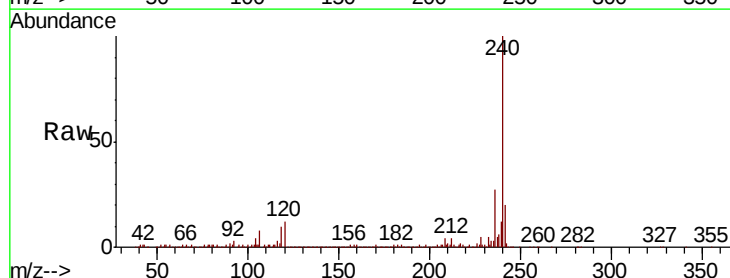
Tgt Ion:240 Resp: 486308

Ion Ratio Lower Upper

240 100

120 11.7 7.7 11.5#

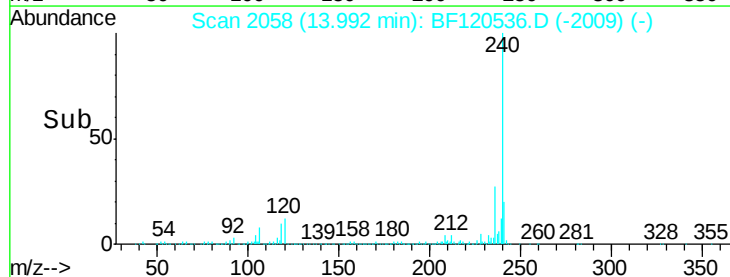
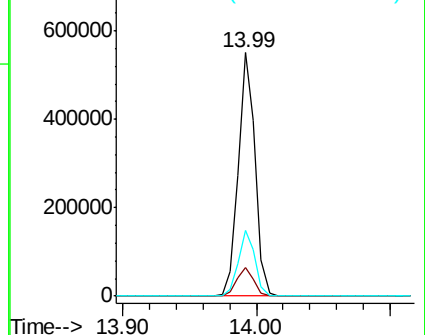
236 26.8 20.8 31.2

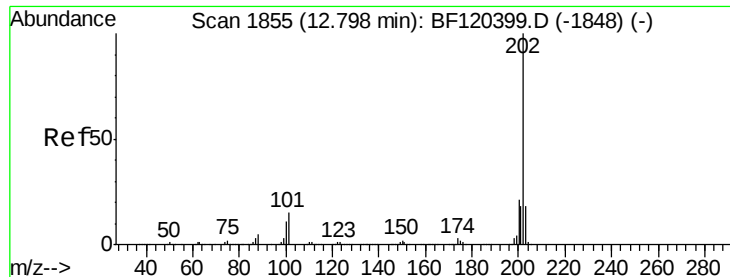


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.957 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

Instrument :

BNA_F

ClientSampleId :

NM104-COMP-2020-0-6

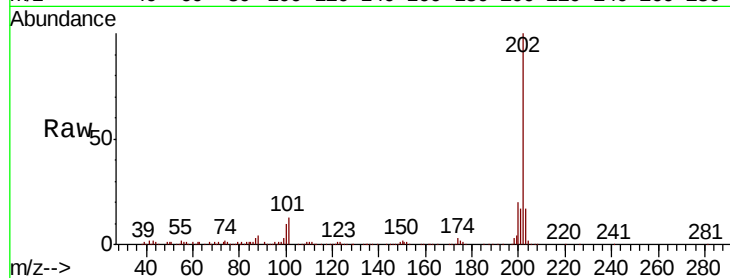
Tot Ion:202 Resp: 167645

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

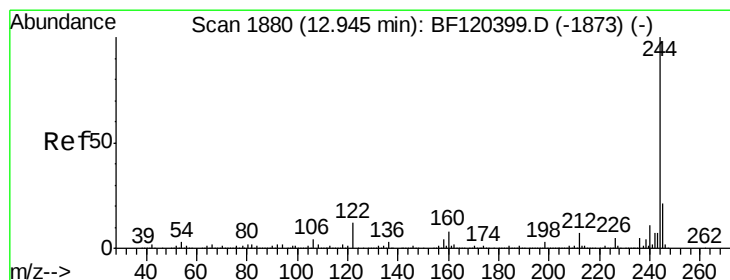
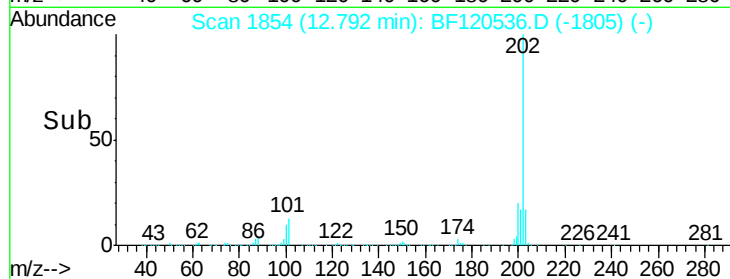
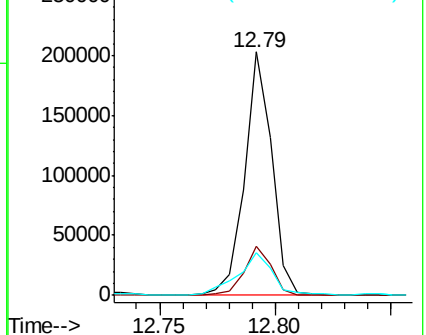
203 17.5 14.2 21.2



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: 58.165 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120536.D

Acq: 4 Jun 2020 16:29

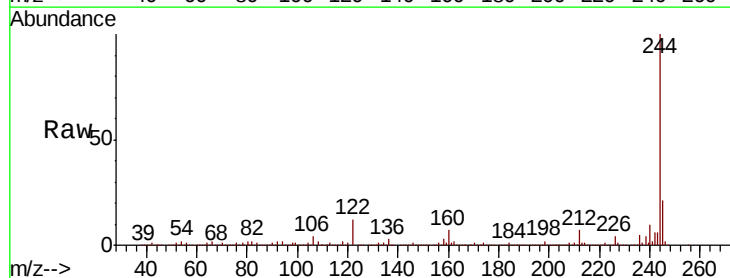
Tgt Ion:244 Resp: 1271146

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

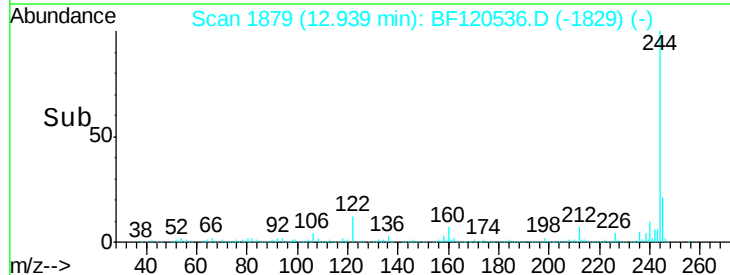
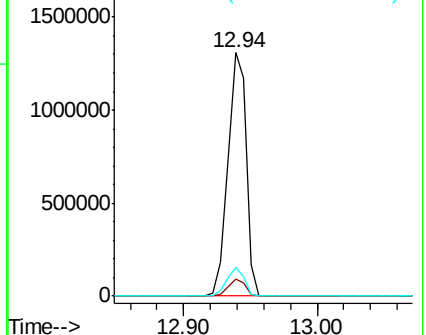
122 11.7 8.0 12.0

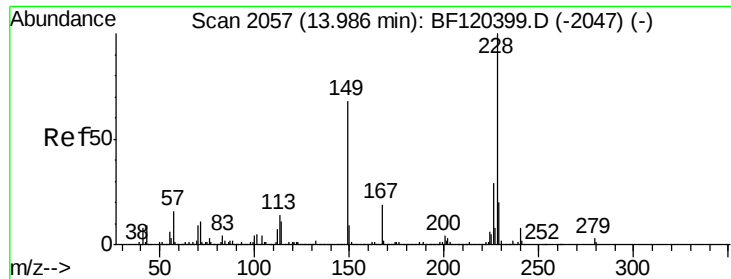


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

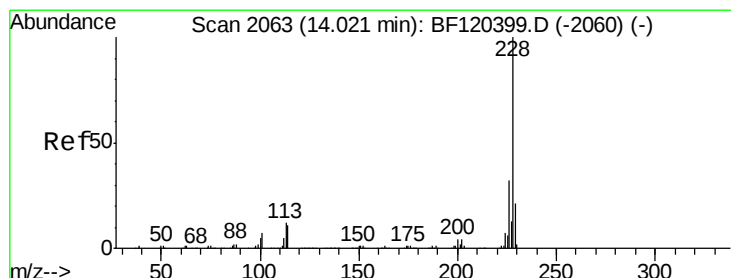
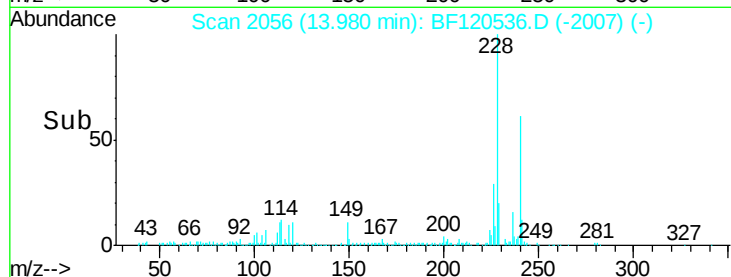
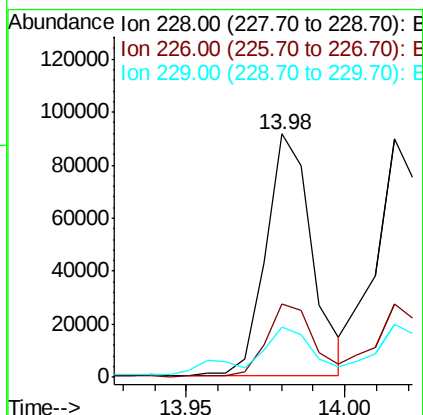
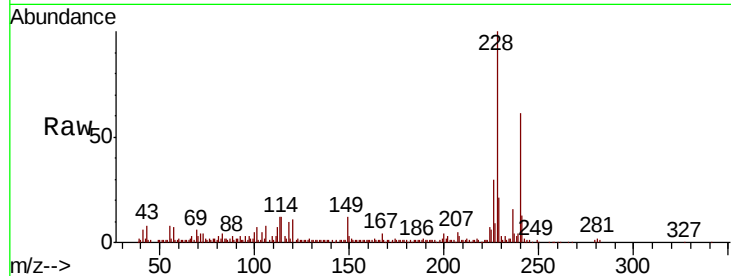




#81
Benzo(a)anthracene
Concen: 3.557 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF120536.D
Acq: 4 Jun 2020 16:29

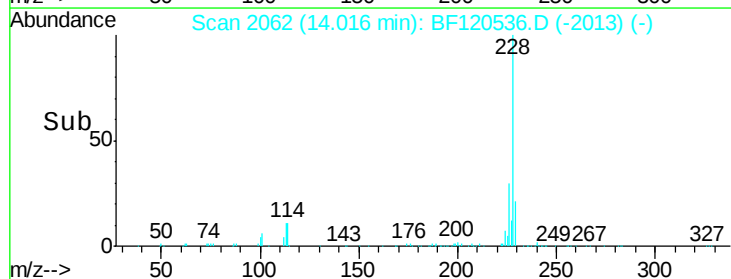
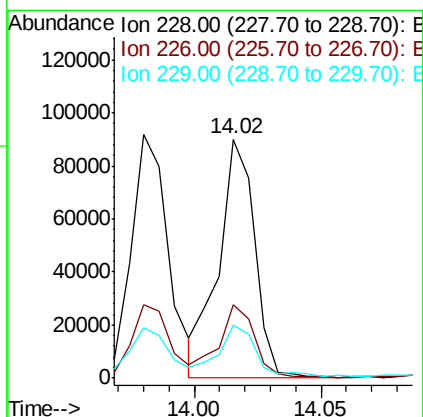
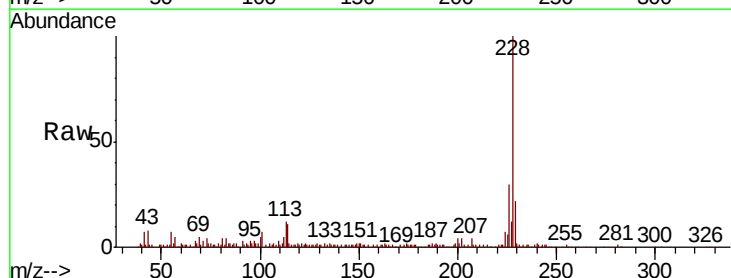
Instrument :
BNA_F
ClientSampleId :
NM104-COMP-2020-0-6

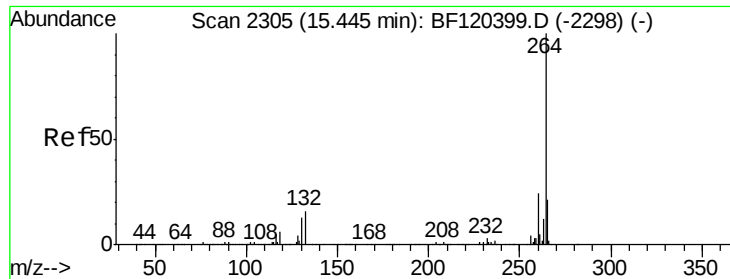
Tot Ion:228 Resp: 92715
Ion Ratio Lower Upper
228 100
226 30.0 22.4 33.6
229 20.6 16.2 24.2



#83
Chrysene
Concen: 3.235 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120536.D
Acq: 4 Jun 2020 16:29

Tgt Ion:228 Resp: 88387
Ion Ratio Lower Upper
228 100
226 30.5 25.6 38.4
229 22.4 16.2 24.2



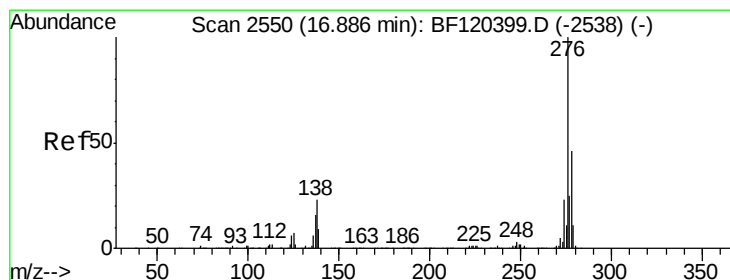
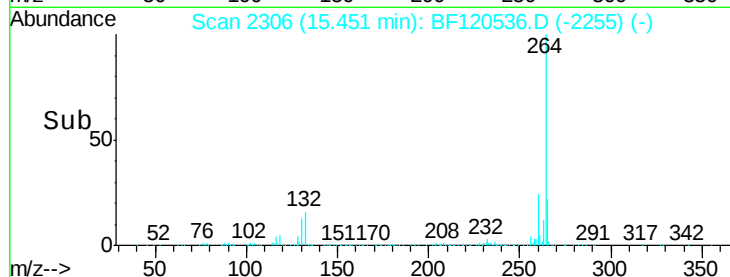
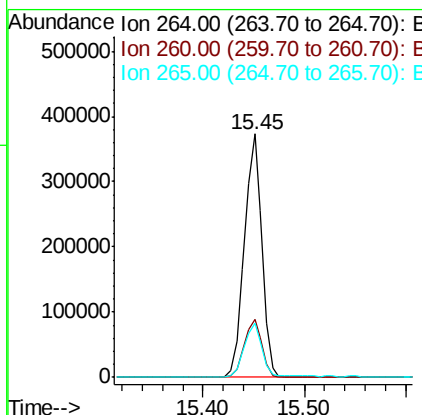
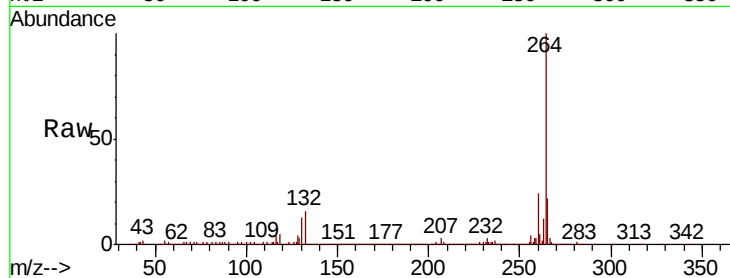


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BF120536.D
Acq: 4 Jun 2020 16:29

Instrument :
BNA_F
ClientSampleId :
NM104-COMP-2020-0-6

Tot Ion:264 Resp: 448347

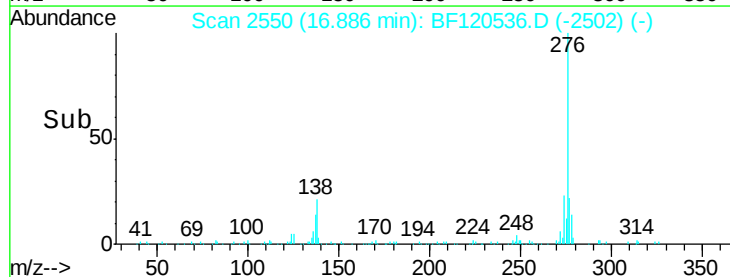
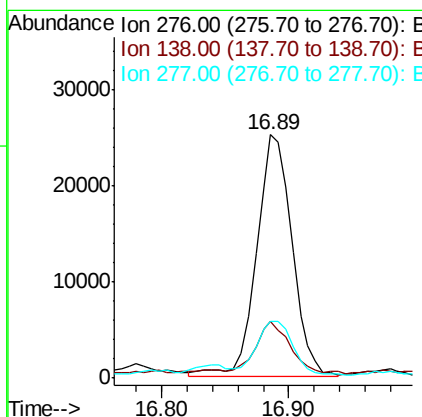
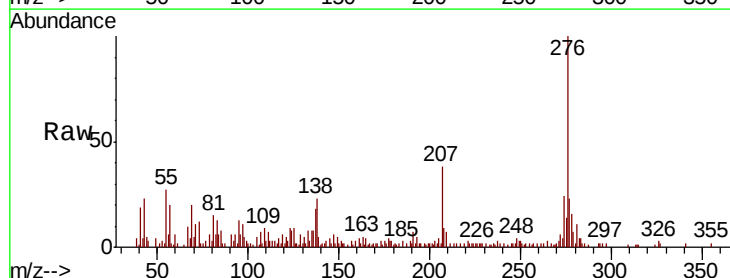
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.3	17.5	26.3

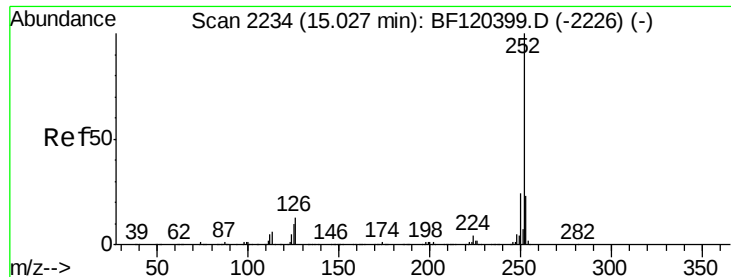


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.008 ng
RT: 16.89 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF120536.D
Acq: 4 Jun 2020 16:29

Tgt Ion:276 Resp: 49236

Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.2	28.8
277	22.7	20.3	30.5

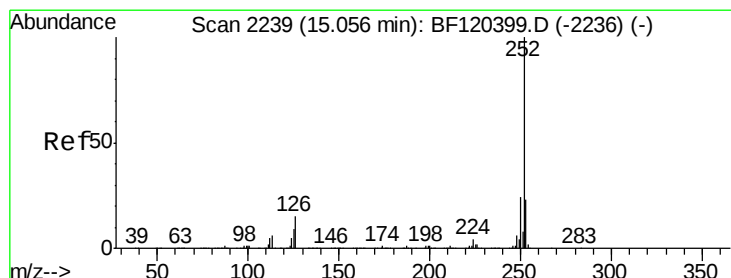
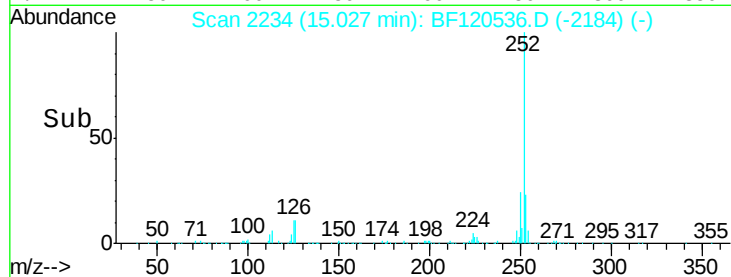
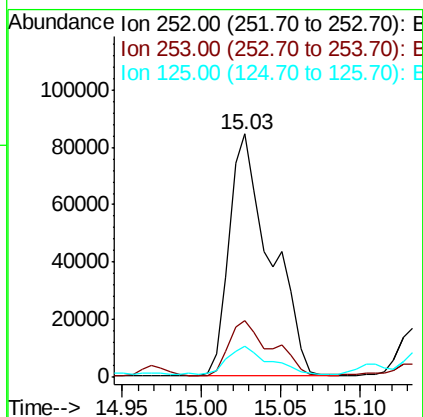
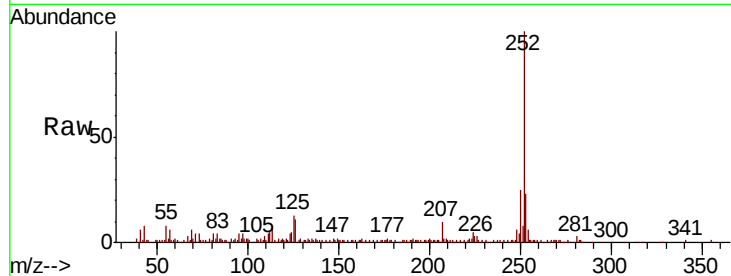




#88
Benzo(b)fluoranthene
Concen: 6.112 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF120536.D
Acq: 4 Jun 2020 16:29

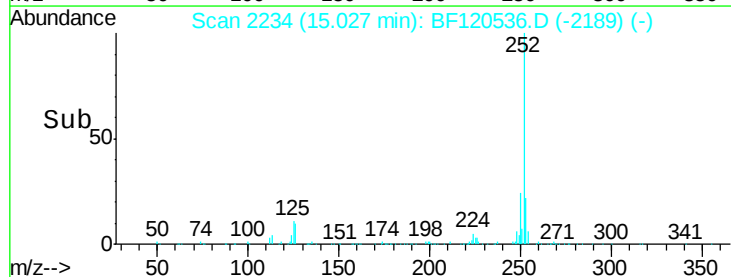
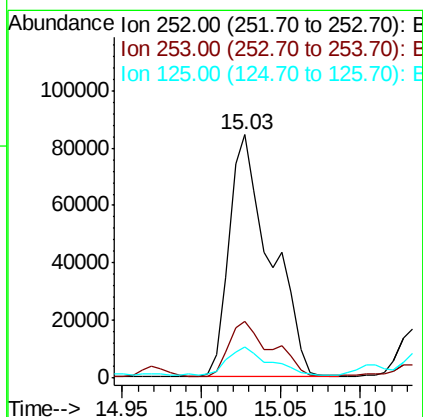
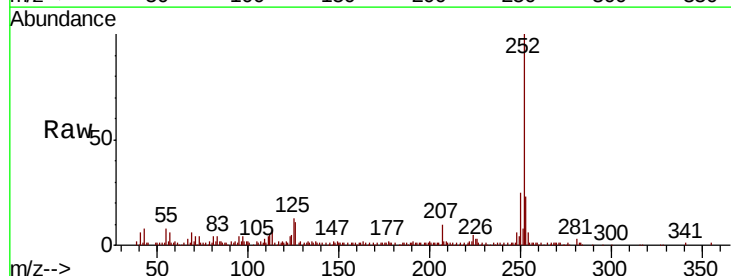
Instrument :
BNA_F
ClientSampleId :
NM104-COMP-2020-0-6

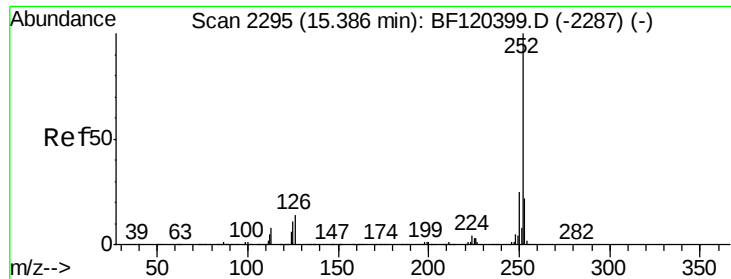
Tot Ion:252 Resp: 152203
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 12.6 8.3 12.5#



#89
Benzo(k)fluoranthene
Concen: 6.547 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120536.D
Acq: 4 Jun 2020 16:29

Tgt Ion:252 Resp: 152203
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 12.6 8.6 13.0

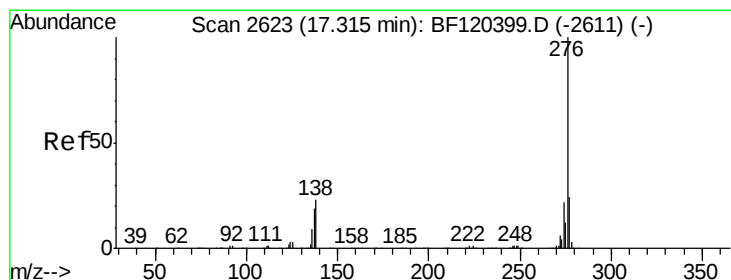
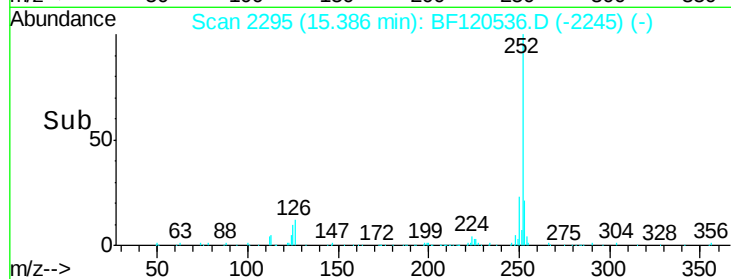
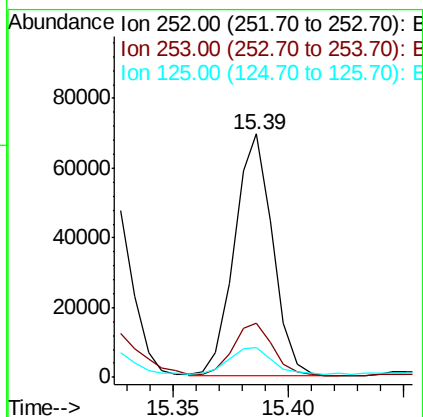
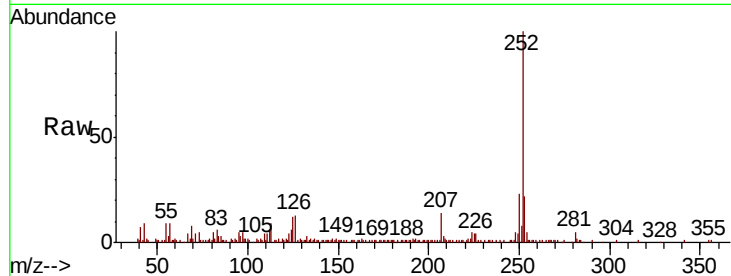




#90
Benzo(a)pyrene
Concen: 3.672 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF120536.D
Acq: 4 Jun 2020 16:29

Instrument :
BNA_F
ClientSampleId :
NM104-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	12.3	9.6	14.4



#92
Benzo(g,h,i)perylene
Concen: 2.359 ng
RT: 17.33 min Scan# 2625
Delta R.T. -0.02 min
Lab File: BF120536.D
Acq: 4 Jun 2020 16:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.3	28.9
138	21.7	16.9	25.3

