

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091319\  
 Data File : BN007619.D  
 Acq On : 13 Sep 2019 10:28  
 Operator : HP/JU  
 Sample : PB12036BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB123036BL

Quant Time: Sep 14 02:00:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 12 14:27:51 2019  
 Response via : Initial Calibration

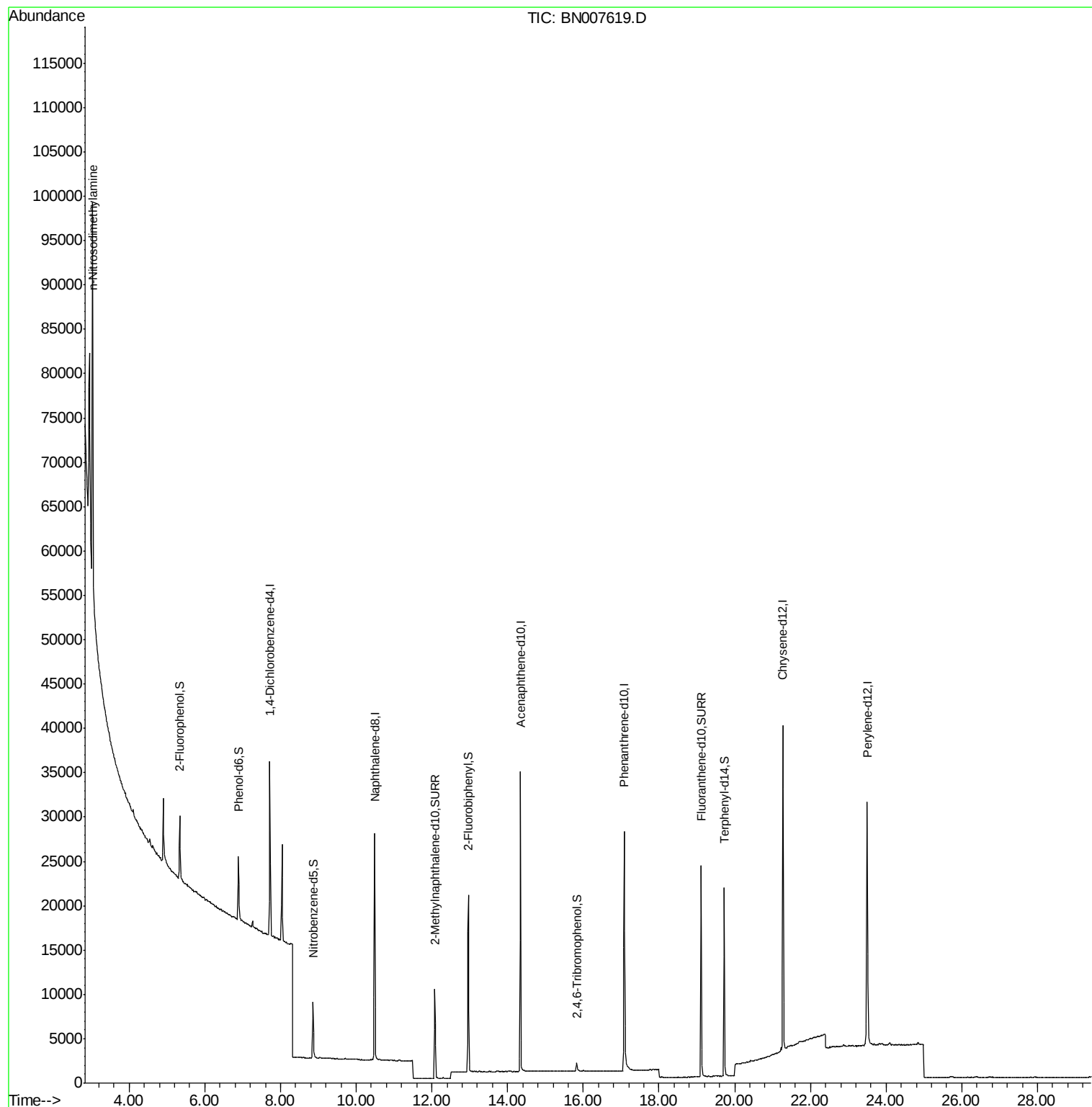
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|-------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.72  | 152  | 9482     | 0.40  | ng    | 0.00          |
| 7) Naphthalene-d8           | 10.49 | 136  | 37140    | 0.40  | ng    | 0.00          |
| 13) Acenaphthene-d10        | 14.34 | 164  | 18389    | 0.40  | ng    | 0.00          |
| 19) Phenanthrene-d10        | 17.08 | 188  | 41378    | 0.40  | ng    | 0.00          |
| 27) Chrysene-d12            | 21.27 | 240  | 36777    | 0.40  | ng    | -0.01         |
| 34) Perylene-d12            | 23.50 | 264  | 36705    | 0.40  | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |       |       |               |
| 4) 2-Fluorophenol           | 5.34  | 112  | 5971     | 0.20  | ng    | 0.00          |
| 5) Phenol-d6                | 6.90  | 99   | 8042     | 0.22  | ng    | 0.00          |
| 8) Nitrobenzene-d5          | 8.86  | 82   | 5984     | 0.20  | ng    | 0.00          |
| 11) 2-Methylnaphthalene-d10 | 12.08 | 152  | 13823    | 0.22  | ng    | 0.00          |
| 14) 2,4,6-Tribromophenol    | 15.83 | 330  | 960      | 0.14  | ng    | 0.00          |
| 15) 2-Fluorobiphenyl        | 12.97 | 172  | 18245    | 0.23  | ng    | 0.00          |
| 25) Fluoranthene-d10        | 19.11 | 212  | 27358    | 0.21  | ng    | 0.00          |
| 29) Terphenyl-d14           | 19.72 | 244  | 22148    | 0.23  | ng    | 0.00          |
| Target Compounds            |       |      |          |       |       |               |
| 3) n-Nitrosodimethylamine   | 3.03  | 42   | 4640     | 0.900 | ng    | Qvalue<br># 1 |

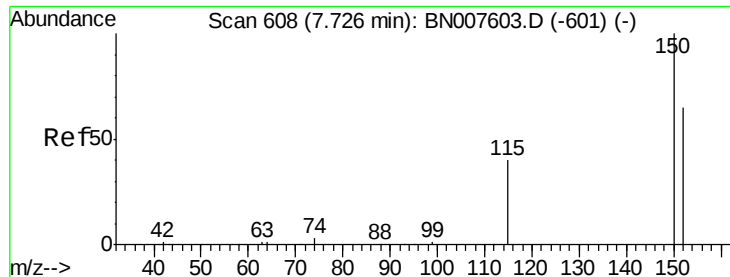
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M  
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QLast Update : Thu Sep 12 14:27:51 2019  
Response via : Initial Calibration



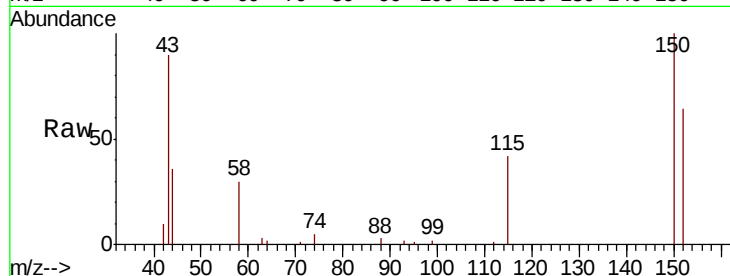


#1

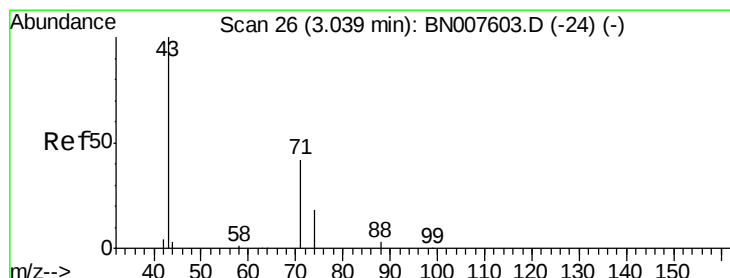
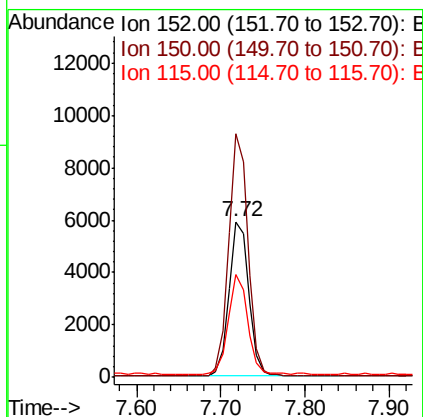
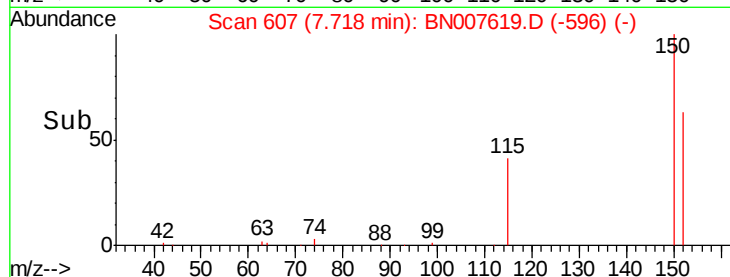
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.72 min Scan# 607  
Delta R.T. -0.01 min  
Lab File: BN007619.D  
Acq: 13 Sep 2019 10:28

Instrument :  
BNA\_N  
ClientSampleId :  
PB123036BL

Tot Ion:152 Resp: 9482  
Ion Ratio Lower Upper  
152 100  
150 156.8 122.4 183.6  
115 66.2 50.4 75.6



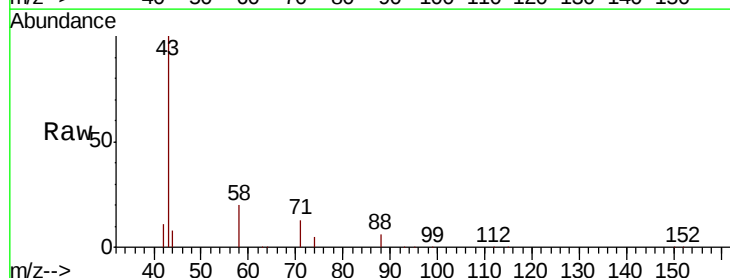
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



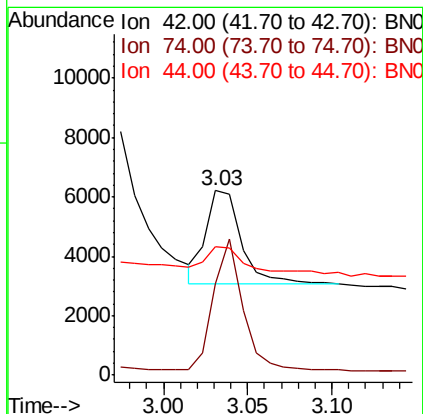
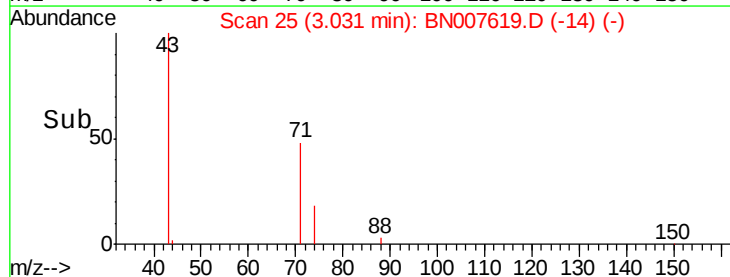
#3

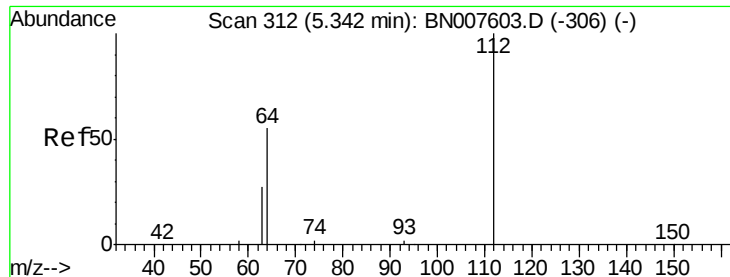
n-Nitrosodimethylamine  
Concen: 0.900 ng  
RT: 3.03 min Scan# 25  
Delta R.T. -0.01 min  
Lab File: BN007619.D  
Acq: 13 Sep 2019 10:28

Tgt Ion: 42 Resp: 4640  
Ion Ratio Lower Upper  
42 100  
74 113.9 9.8 14.8#  
44 29.7 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC  
Ion 74.00 (73.70 to 74.70): BNC  
Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.197 ng

RT: 5.34 min Scan# 312

Delta R.T. 0.00 min

Lab File: BN007619.D

Acq: 13 Sep 2019 10:28

Instrument :

BNA\_N

ClientSampleId :

PB123036BL

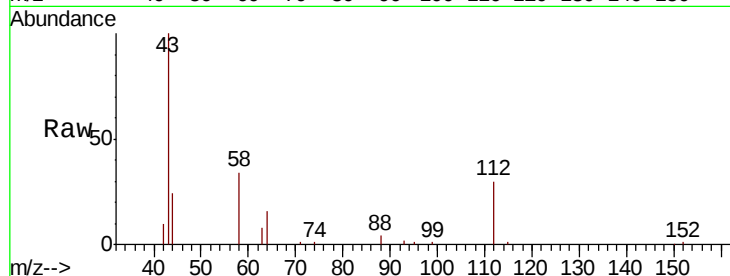
Tot Ion: 112 Resp: 5971

Ion Ratio Lower Upper

112 100

64 60.3 48.5 72.7

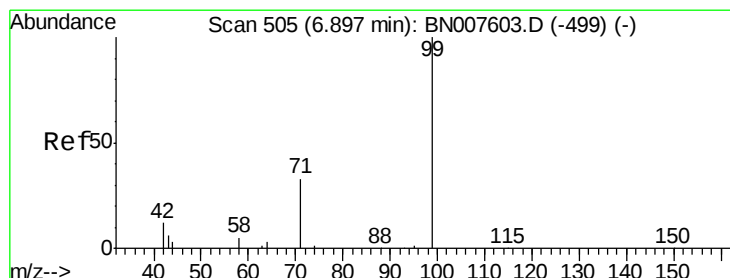
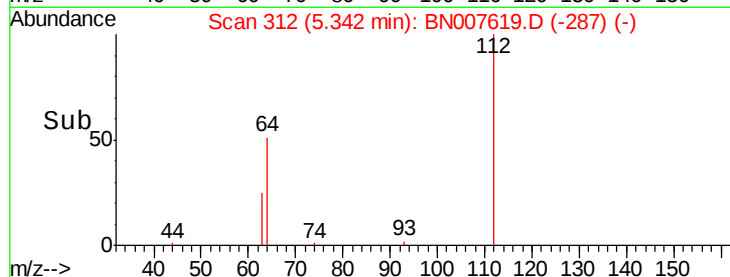
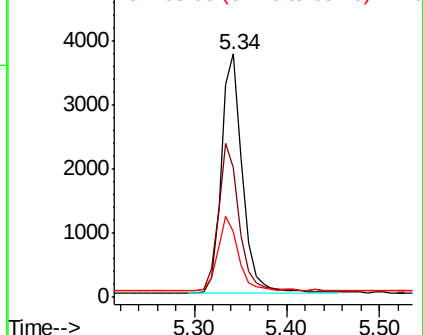
63 30.0 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.221 ng

RT: 6.90 min Scan# 505

Delta R.T. 0.00 min

Lab File: BN007619.D

Acq: 13 Sep 2019 10:28

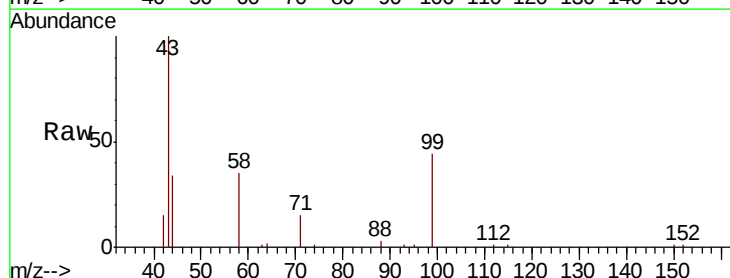
Tgt Ion: 99 Resp: 8042

Ion Ratio Lower Upper

99 100

42 15.0 11.8 17.6

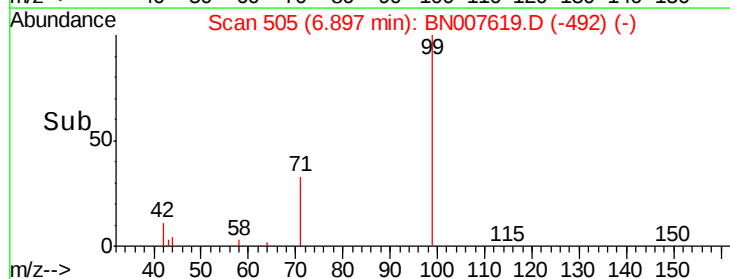
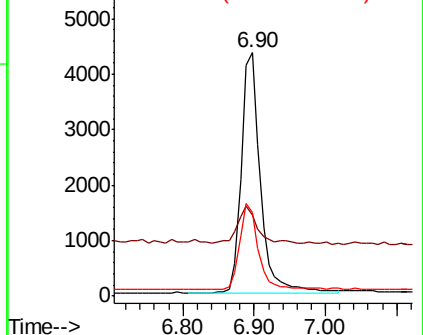
71 35.8 28.0 42.0

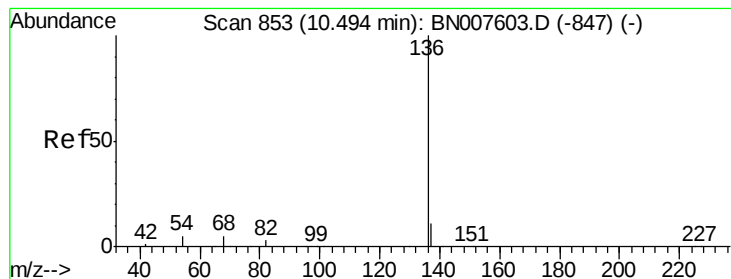


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 853

Delta R.T. 0.00 min

Lab File: BN007619.D

Acq: 13 Sep 2019 10:28

Instrument :

BNA\_N

ClientSampleId :

PB123036BL

Tot Ion:136 Resp: 37140

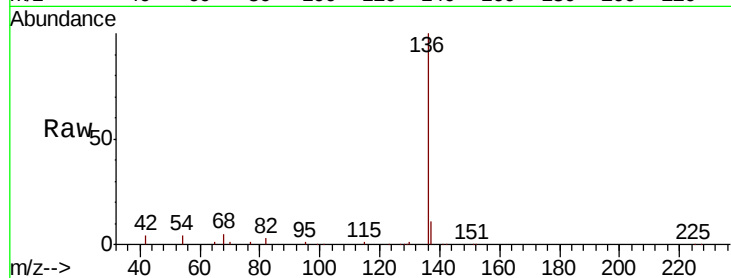
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 4.2 4.2 6.4#

68 4.8 4.6 7.0

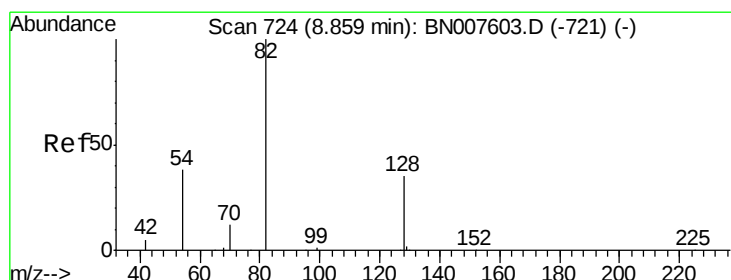
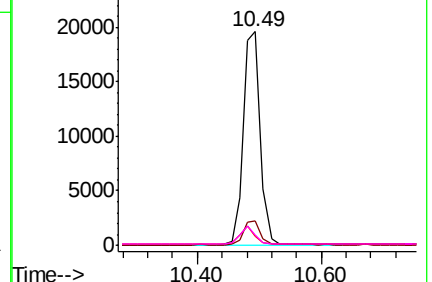
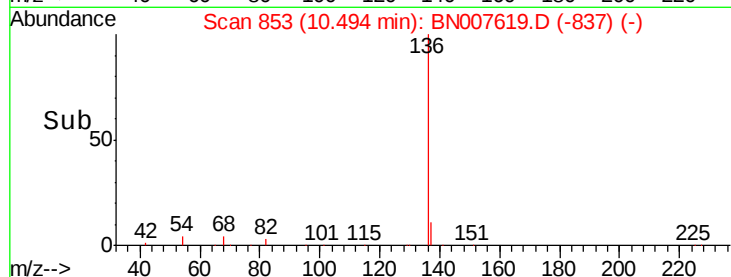


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.202 ng

RT: 8.86 min Scan# 724

Delta R.T. 0.00 min

Lab File: BN007619.D

Acq: 13 Sep 2019 10:28

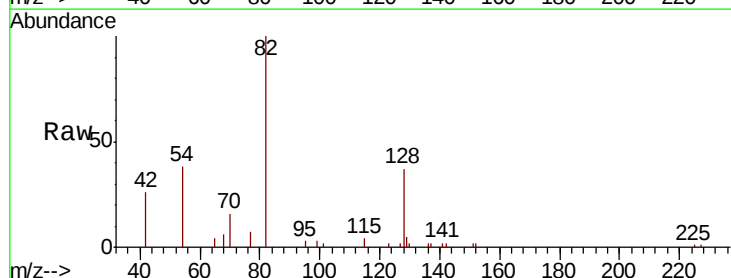
Tgt Ion: 82 Resp: 5984

Ion Ratio Lower Upper

82 100

128 36.8 27.9 41.9

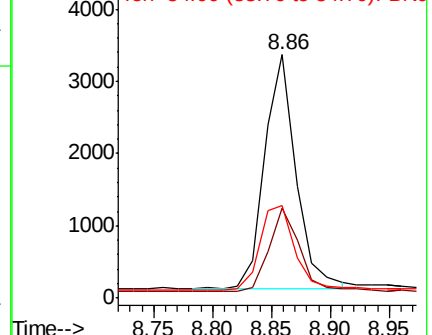
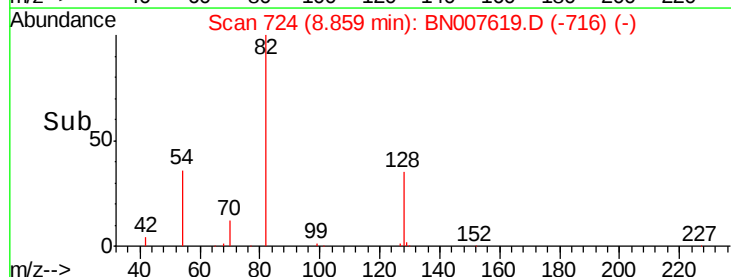
54 38.2 30.9 46.3

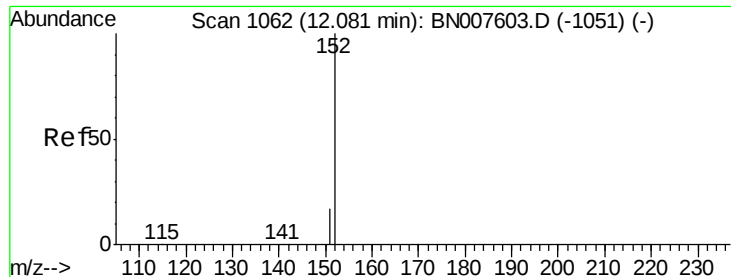


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

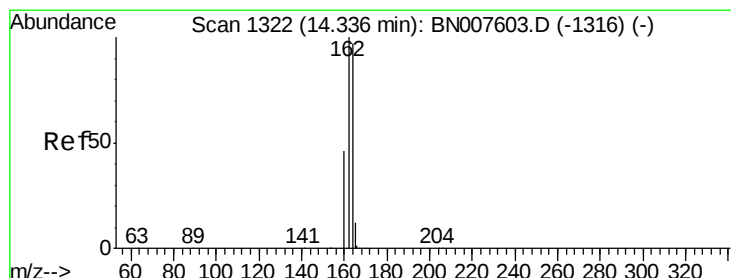
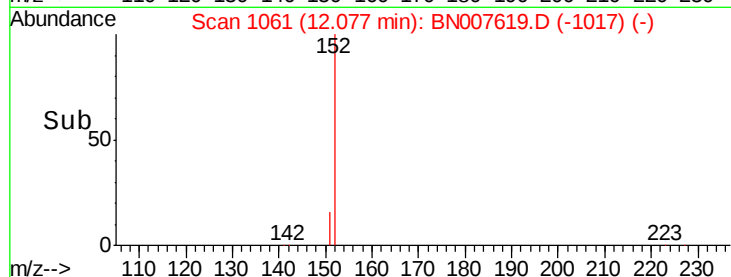
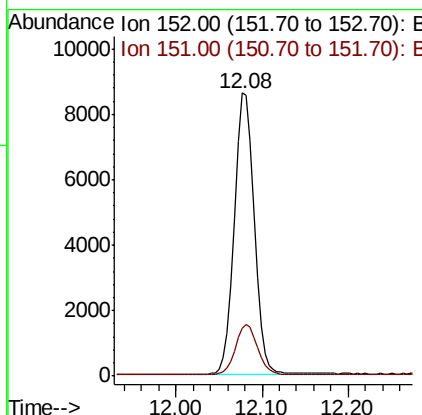
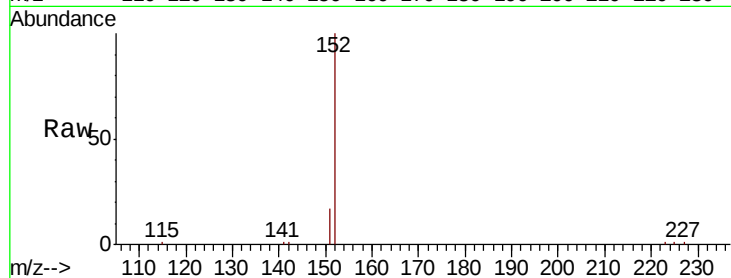




#11  
2-Methylnaphthalene-d10  
Concen: 0.220 ng  
RT: 12.08 min Scan# 1061  
Delta R.T. -0.00 min  
Lab File: BN007619.D  
Acq: 13 Sep 2019 10:28

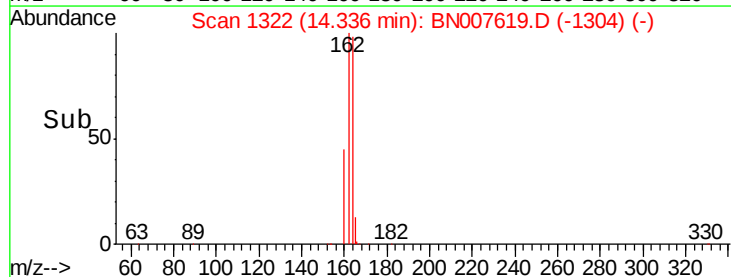
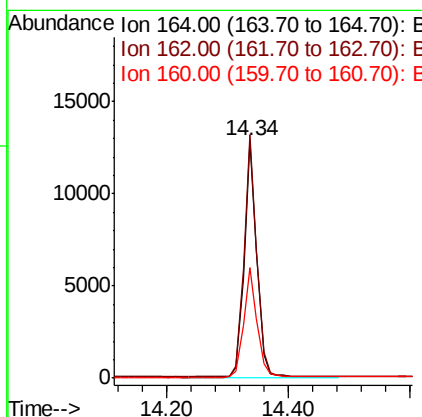
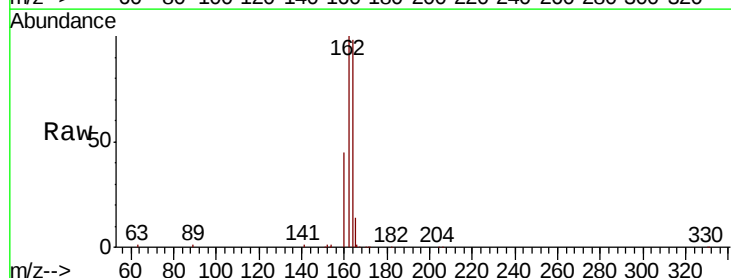
Instrument :  
BNA\_N  
ClientSampleId :  
PB123036BL

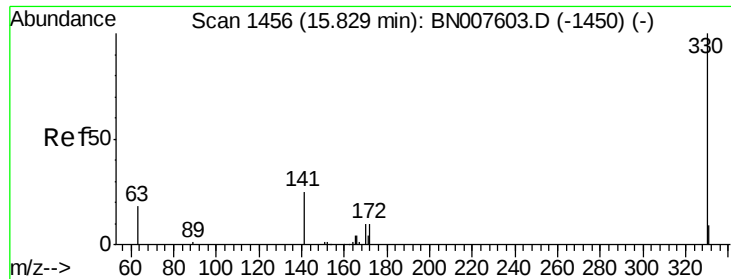
Tot Ion:152 Resp: 13823  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.3 22.9



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.34 min Scan# 1322  
Delta R.T. 0.00 min  
Lab File: BN007619.D  
Acq: 13 Sep 2019 10:28

Tgt Ion:164 Resp: 18389  
Ion Ratio Lower Upper  
164 100  
162 102.5 82.8 124.2  
160 46.3 38.0 57.0

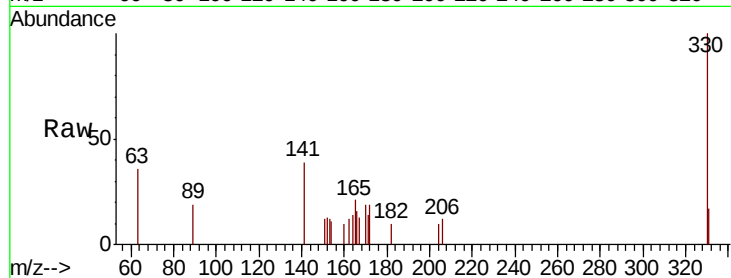




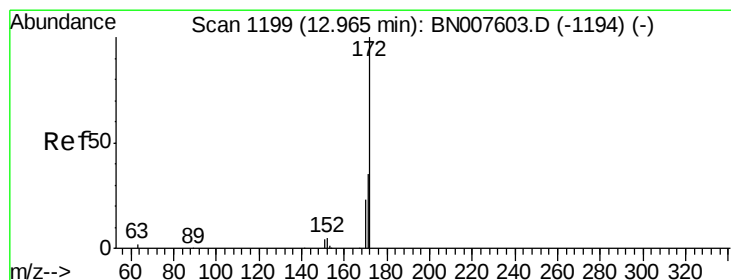
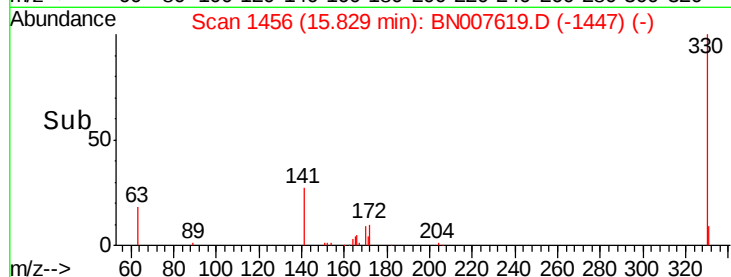
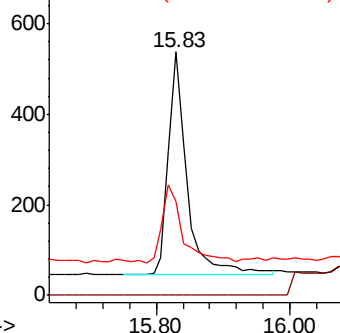
#14  
 2,4,6-Tribromophenol  
 Concen: 0.138 ng  
 RT: 15.83 min Scan# 1456  
 Delta R.T. 0.00 min  
 Lab File: BN007619.D  
 Acq: 13 Sep 2019 10:28

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB123036BL

Tot Ion:330 Resp: 960  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 36.3 30.1 45.1

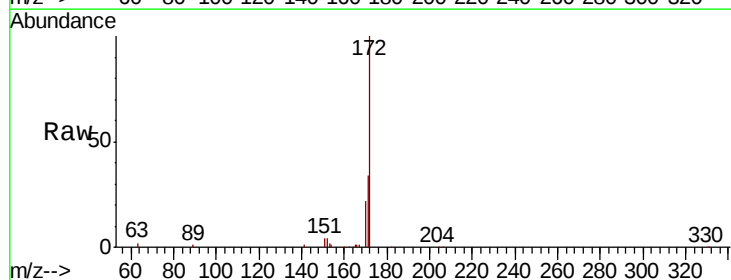


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

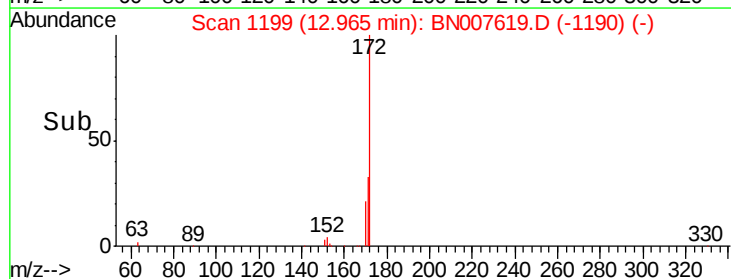
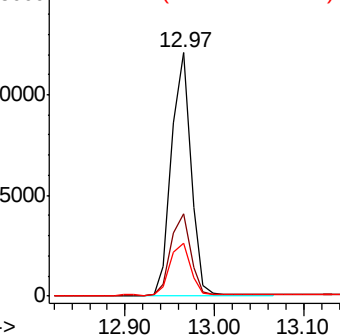


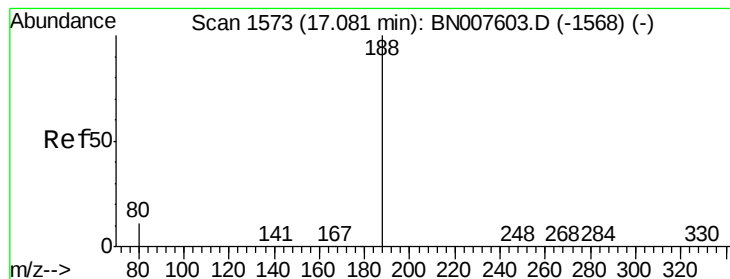
#15  
 2-Fluorobiphenyl  
 Concen: 0.227 ng  
 RT: 12.97 min Scan# 1199  
 Delta R.T. 0.00 min  
 Lab File: BN007619.D  
 Acq: 13 Sep 2019 10:28

Tgt Ion:172 Resp: 18245  
 Ion Ratio Lower Upper  
 172 100  
 171 33.7 27.9 41.9  
 170 21.8 18.5 27.7



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BN007619.D

Acq: 13 Sep 2019 10:28

Instrument :

BNA\_N

ClientSampleId :

PB123036BL

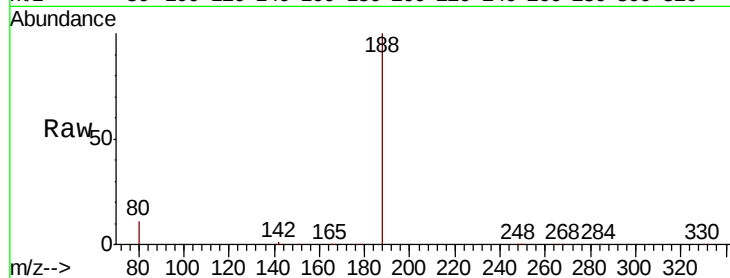
Tot Ion:188 Resp: 41378

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

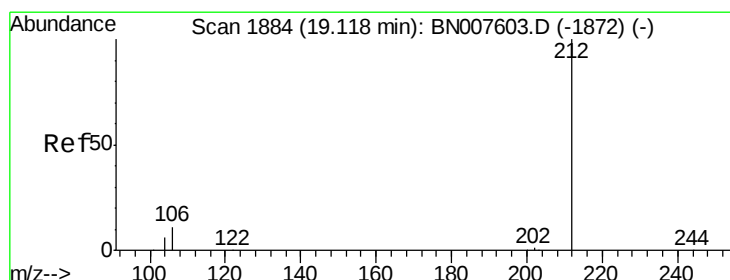
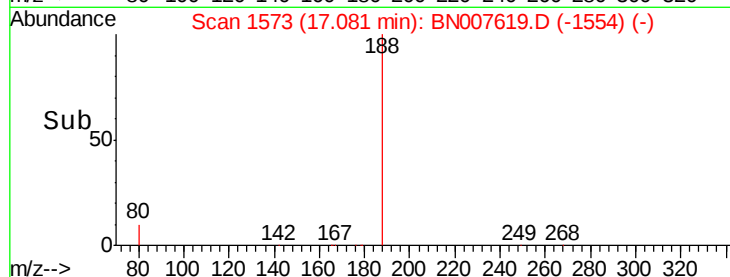
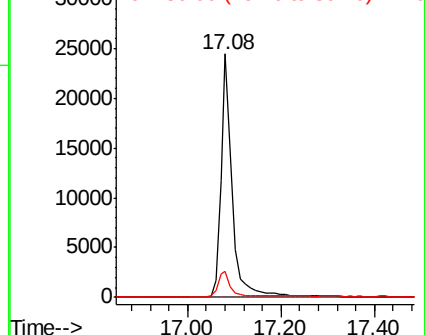
80 10.6 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#25

Fluoranthene-d10

Concen: 0.210 ng

RT: 19.11 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BN007619.D

Acq: 13 Sep 2019 10:28

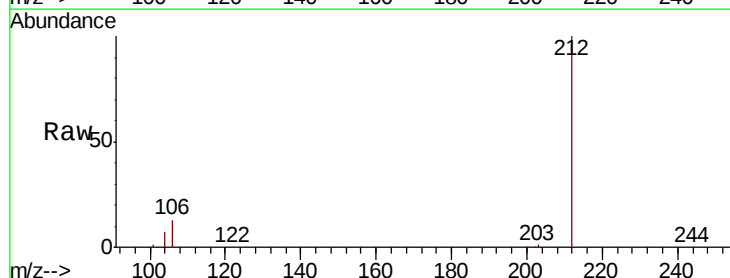
Tgt Ion:212 Resp: 27358

Ion Ratio Lower Upper

212 100

106 12.0 9.6 14.4

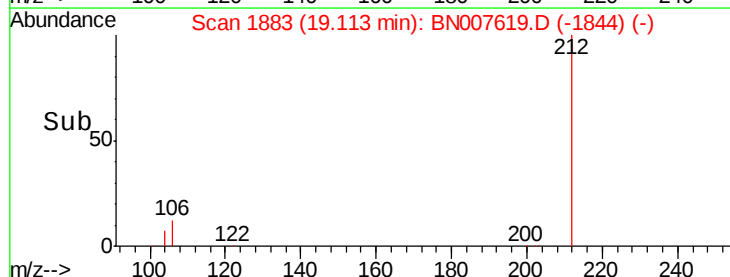
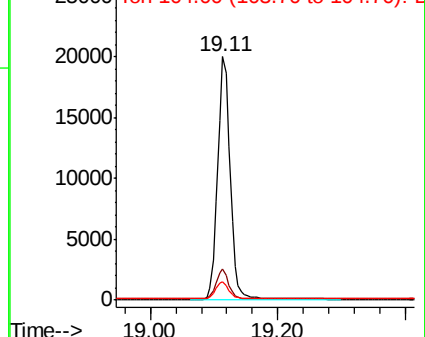
104 6.8 5.4 8.0

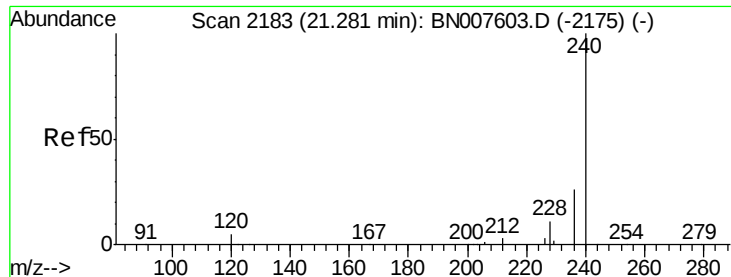


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

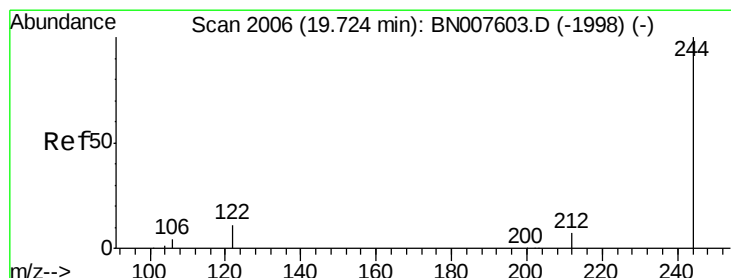
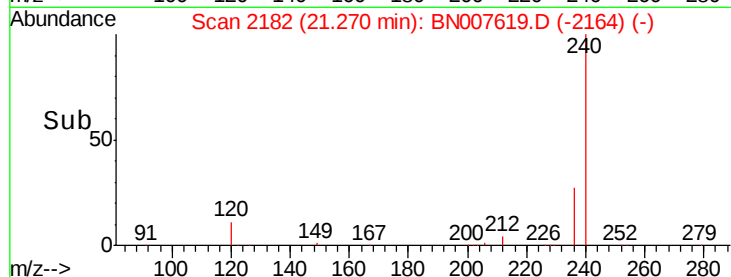
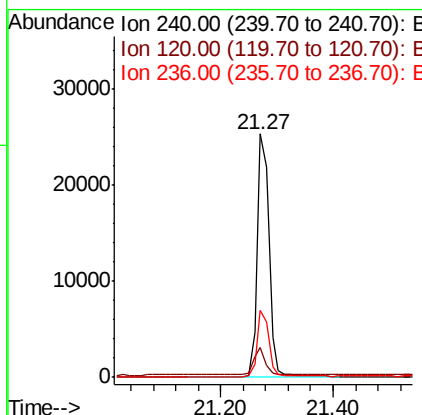
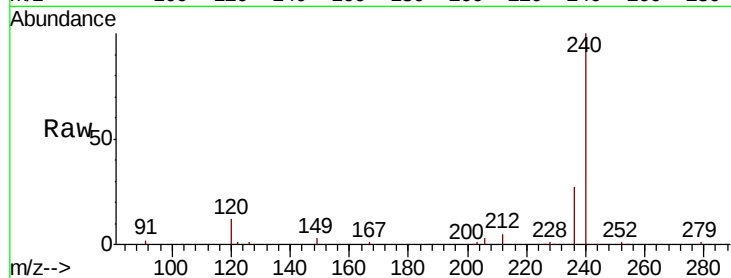




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.27 min Scan# 2182  
 Delta R.T. -0.01 min  
 Lab File: BN007619.D  
 Acq: 13 Sep 2019 10:28

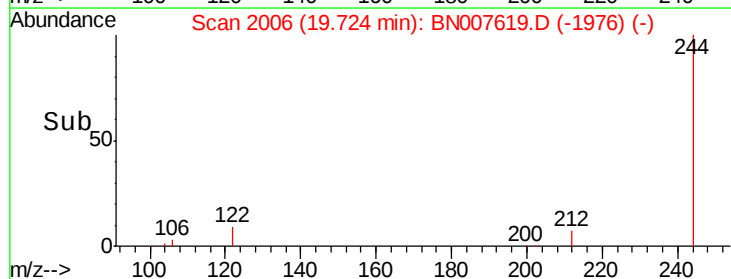
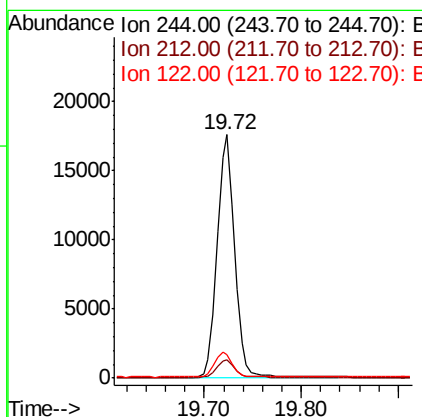
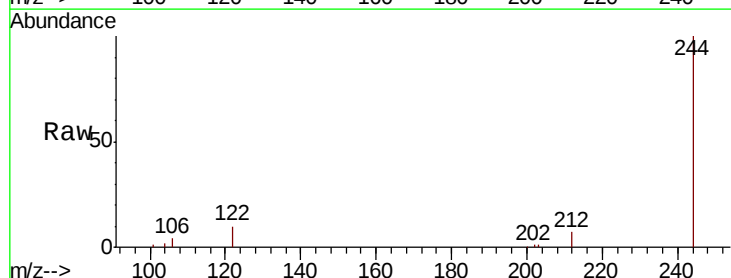
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB123036BL

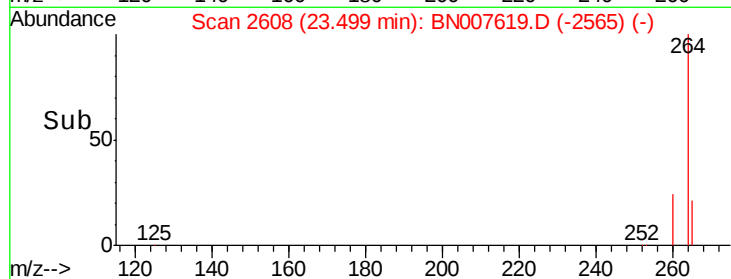
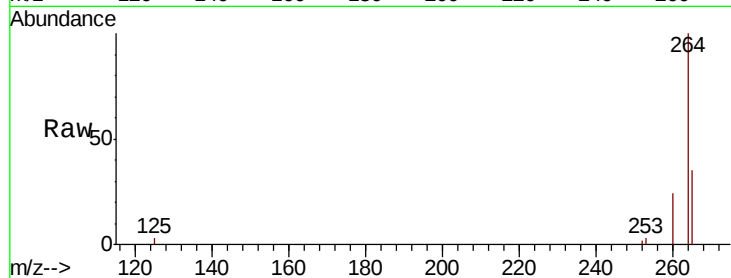
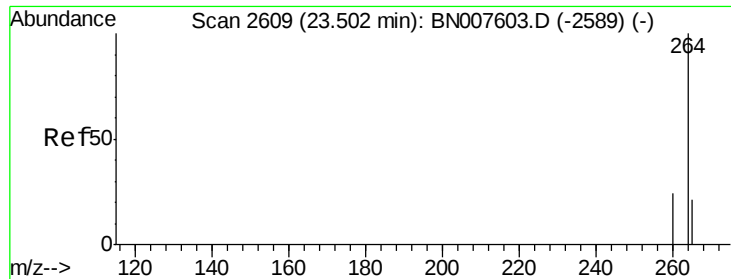
Tot Ion:240 Resp: 36777  
 Ion Ratio Lower Upper  
 240 100  
 120 12.4 4.3 6.5#  
 236 27.3 20.8 31.2



#29  
 Terphenyl-d14  
 Concen: 0.228 ng  
 RT: 19.72 min Scan# 2006  
 Delta R.T. 0.00 min  
 Lab File: BN007619.D  
 Acq: 13 Sep 2019 10:28

Tgt Ion:244 Resp: 22148  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.9 8.9  
 122 9.6 8.6 12.8





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.50 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BN007619.D

Acq: 13 Sep 2019 10:28

Instrument :

BNA\_N

ClientSampleId :

PB123036BL

Tot Ion:264 Resp: 36705

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 35.1 24.6 37.0

