

Data File : BN007232.D  
Acq On : 16 Aug 2019 20:37  
Operator : HP/JU  
Sample : K4336-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
KY038PS037-190812

Quant Time: Aug 17 01:00:24 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN081019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 12:12:02 2019  
Response via : Initial Calibration

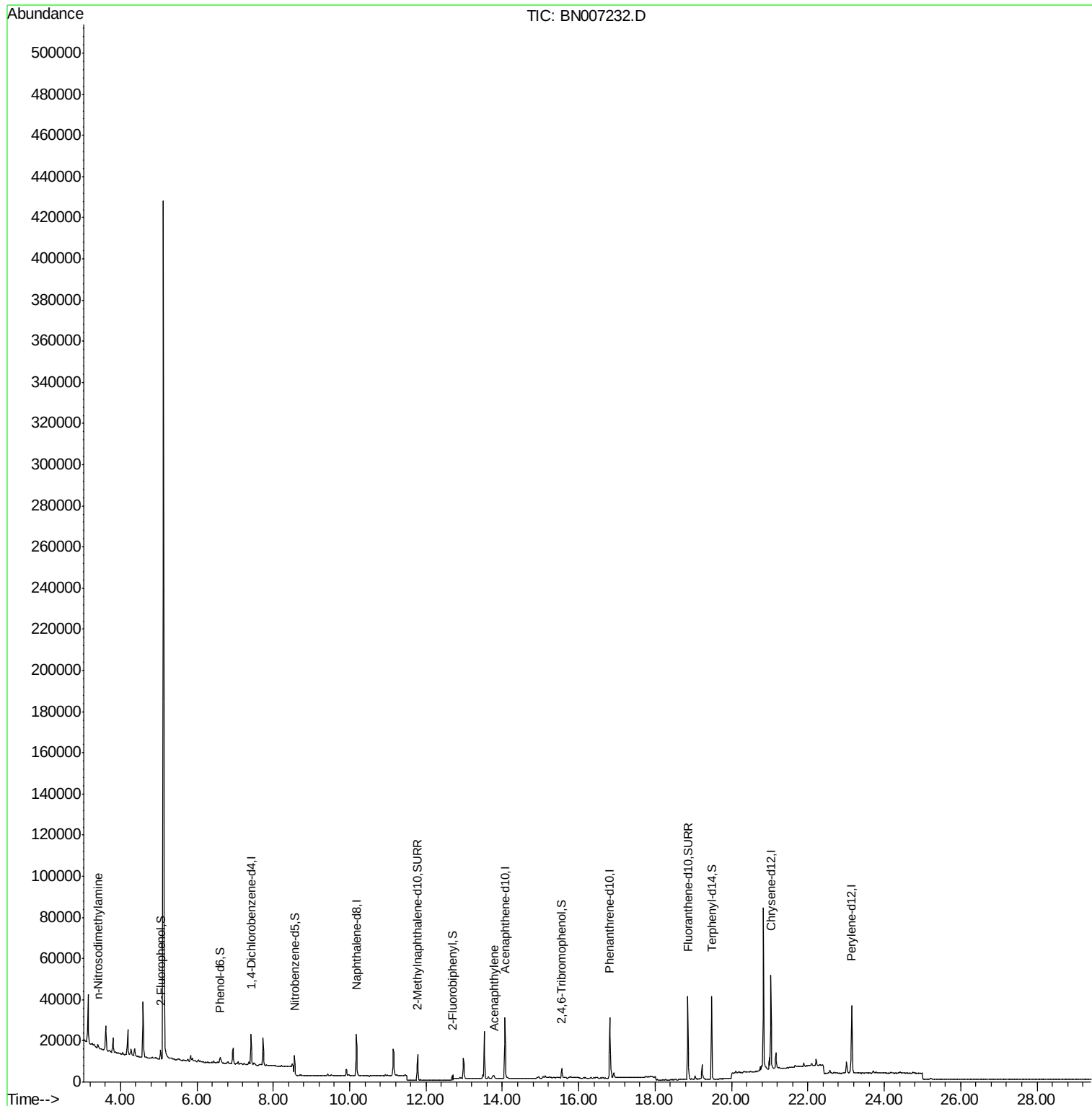
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.42  | 152  | 7306     | 0.40  | ng    | -0.02    |
| 6) Naphthalene-d8           | 10.17 | 136  | 27581    | 0.40  | ng    | -0.01    |
| 12) Acenaphthene-d10        | 14.07 | 164  | 16515    | 0.40  | ng    | -0.01    |
| 18) Phenanthrene-d10        | 16.81 | 188  | 39232    | 0.40  | ng    | -0.01    |
| 26) Chrysene-d12            | 21.03 | 240  | 39080    | 0.40  | ng    | -0.02    |
| 32) Perylene-d12            | 23.15 | 264  | 40997    | 0.40  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 3) 2-Fluorophenol           | 5.05  | 112  | 3486     | 0.20  | ng    | 0.00     |
| 4) Phenol-d6                | 6.61  | 99   | 2711     | 0.12  | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.55  | 82   | 8284     | 0.37  | ng    | -0.01    |
| 10) 2-Methylnaphthalene-d10 | 11.78 | 152  | 17825    | 0.35  | ng    | -0.01    |
| 13) 2,4,6-Tribromophenol    | 15.56 | 330  | 3306     | 0.37  | ng    | -0.01    |
| 14) 2-Fluorobiphenyl        | 12.71 | 172  | 1331     | 0.06  | ng    | 0.00     |
| 24) Fluoranthene-d10        | 18.86 | 212  | 46815    | 0.34  | ng    | -0.02    |
| 28) Terphenyl-d14           | 19.48 | 244  | 40443    | 0.38  | ng    | -0.02    |
| Target Compounds            |       |      |          |       |       |          |
| 2) n-Nitrosodimethylamine   | 3.41  | 42   | 252      | 0.052 | ng    | # 1      |
| 15) Acenaphthylene          | 13.78 | 152  | 3815     | 0.044 | ng    | 100      |

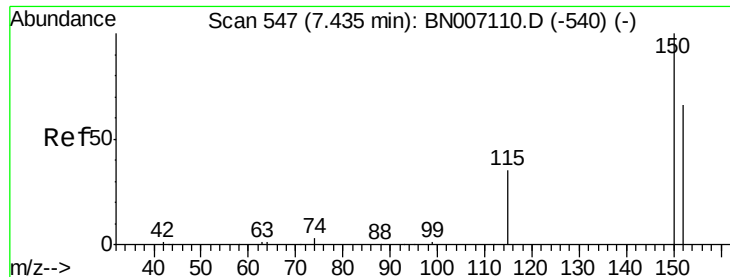
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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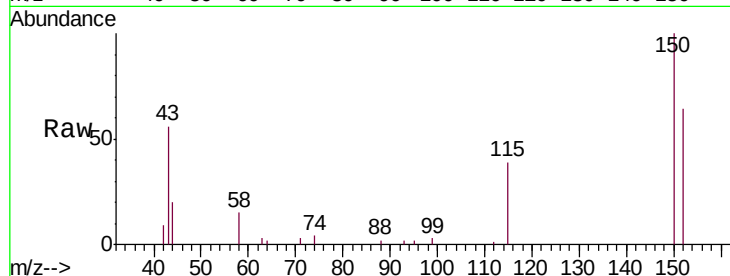


#1

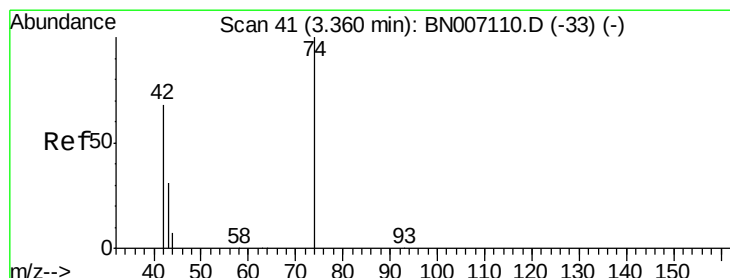
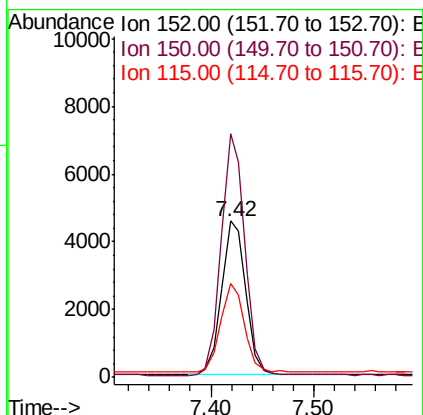
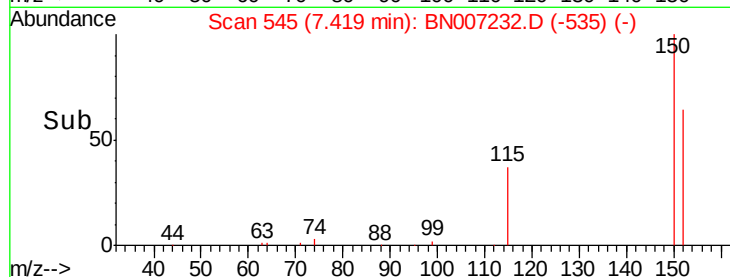
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.42 min Scan# 545  
Delta R.T. -0.02 min  
Lab File: BN007232.D  
Acq: 16 Aug 2019 20:37

Instrument :  
BNA\_N  
ClientSampleId :  
KY038PS037-190812

Tgt Ion: 152 Resp: 7306  
Ion Ratio Lower Upper  
152 100  
150 155.5 121.7 182.5  
115 60.1 46.2 69.4



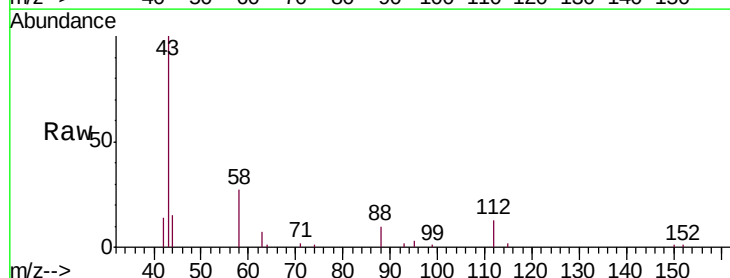
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



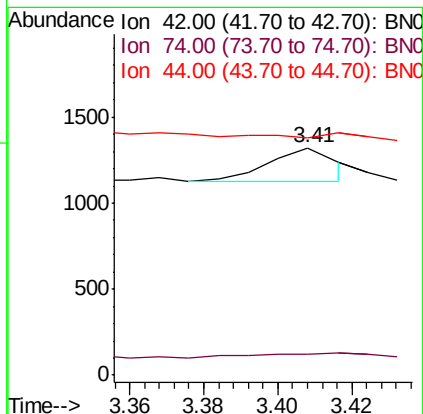
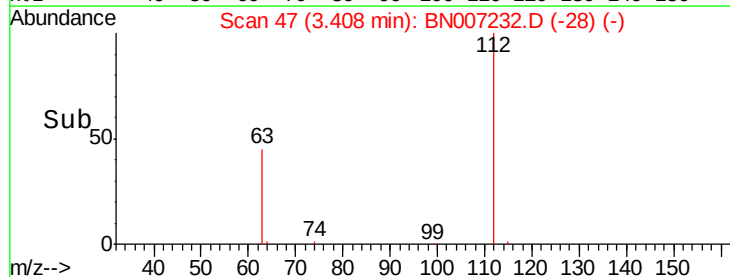
#2

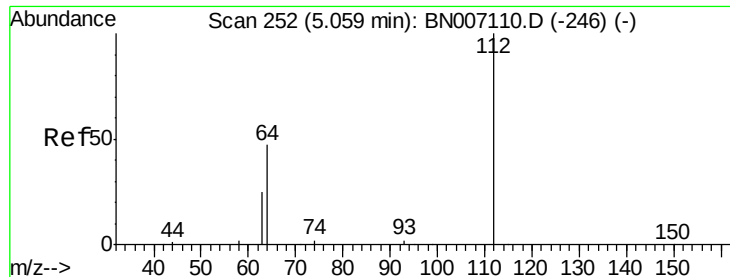
n-Nitrosodimethylamine  
Concen: 0.052 ng  
RT: 3.41 min Scan# 47  
Delta R.T. 0.05 min  
Lab File: BN007232.D  
Acq: 16 Aug 2019 20:37

Tgt Ion: 42 Resp: 252  
Ion Ratio Lower Upper  
42 100  
74 0.0 110.6 166.0#  
44 0.0 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





#3

2-Fluorophenol

Concen: 0.199 ng

RT: 5.05 min Scan# 251

Delta R.T. -0.01 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

Instrument :

BNA\_N

ClientSampleId :

KY038PS037-190812

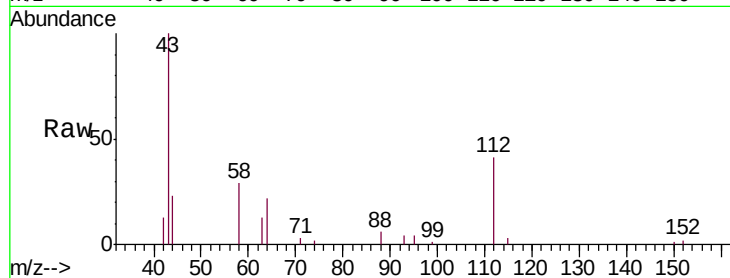
Tgt Ion: 112 Resp: 3486

Ion Ratio Lower Upper

112 100

64 51.2 42.6 63.8

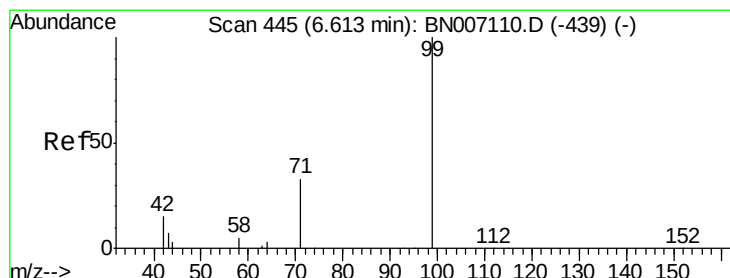
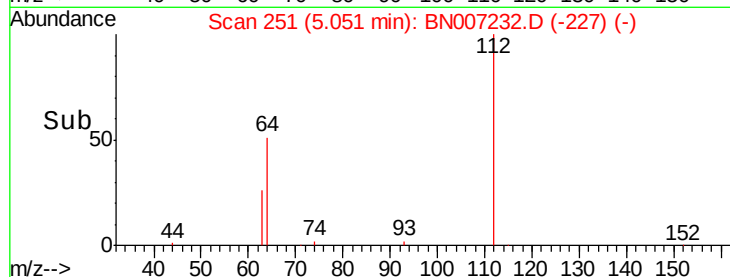
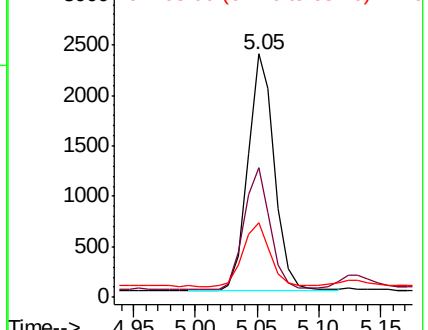
63 27.6 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#4

Phenol-d6

Concen: 0.125 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

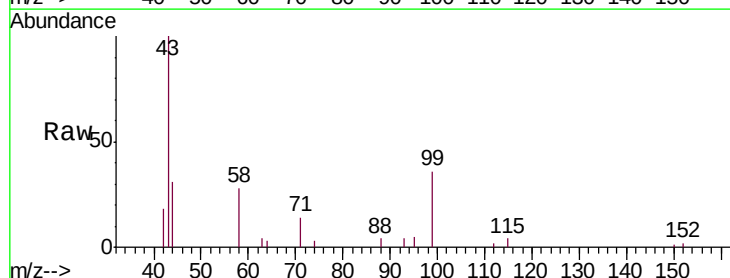
Tgt Ion: 99 Resp: 2711

Ion Ratio Lower Upper

99 100

42 27.3 15.8 23.6#

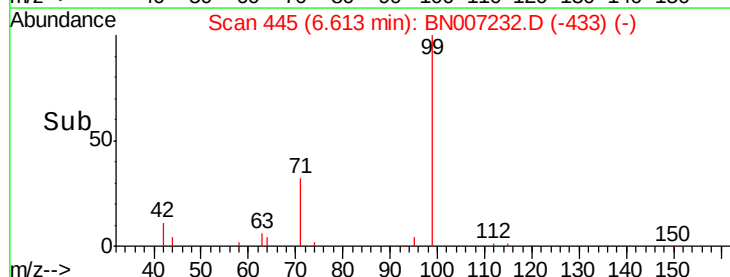
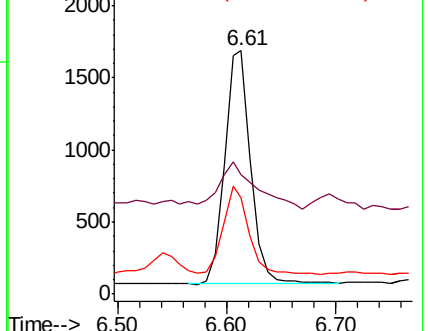
71 38.2 27.0 40.4

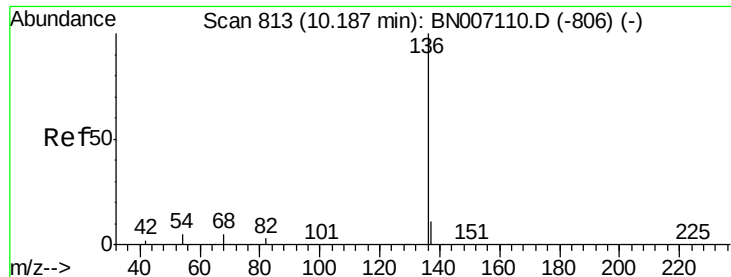


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.17 min Scan# 812

Delta R.T. -0.01 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

Instrument :

BNA\_N

ClientSampleId :

KY038PS037-190812

Tgt Ion:136 Resp: 27581

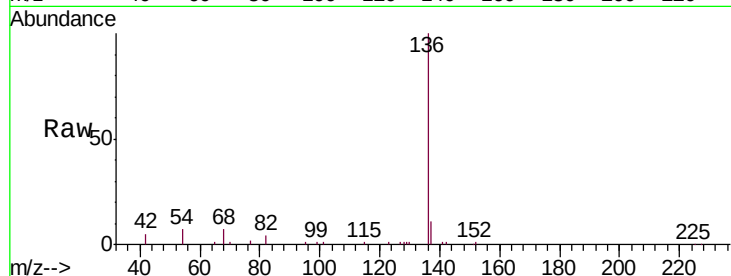
Ion Ratio Lower Upper

136 100

137 11.3 9.4 14.0

54 7.0 6.6 9.8

68 6.5 6.0 9.0

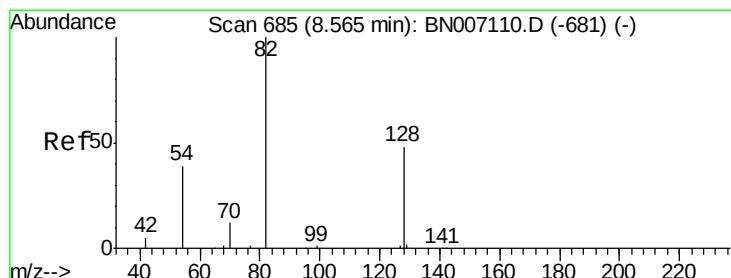
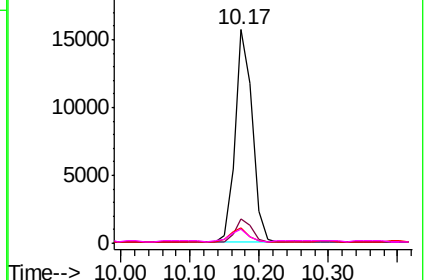
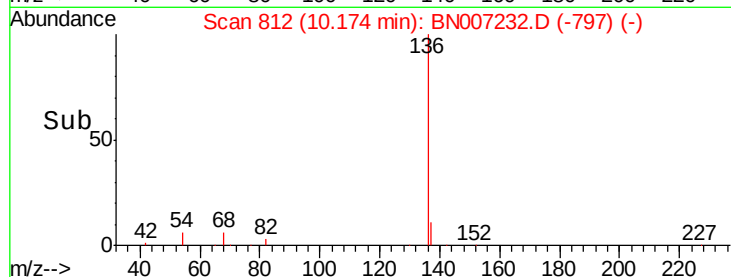


Abundance Ion 136.00 (135.70 to 136.70): E

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



#7

Nitrobenzene-d5

Concen: 0.372 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

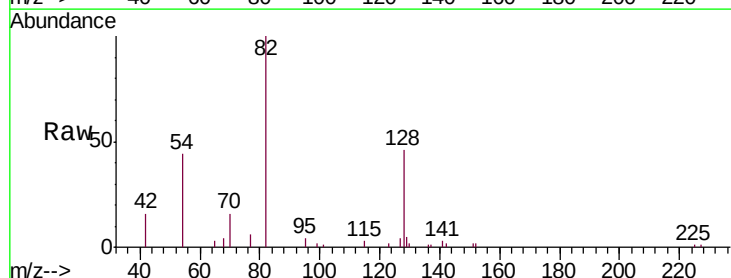
Tgt Ion: 82 Resp: 8284

Ion Ratio Lower Upper

82 100

128 46.4 34.6 51.8

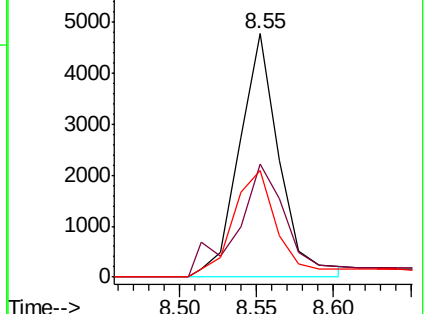
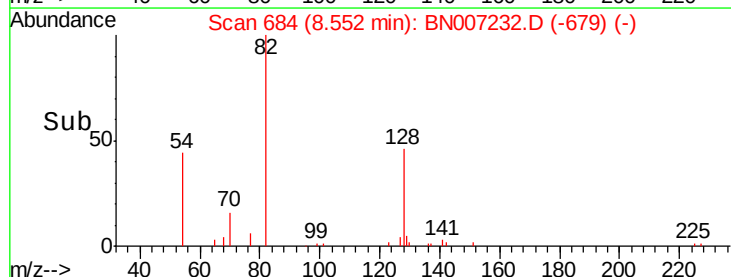
54 44.0 36.2 54.4

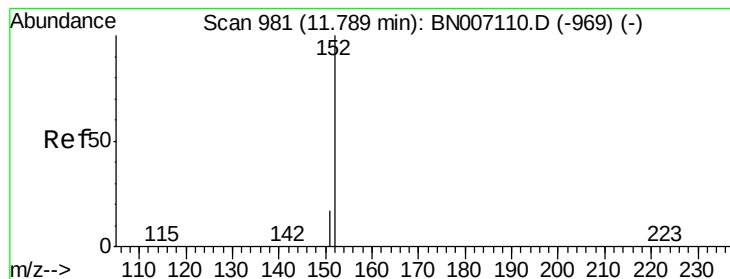


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#10

2-Methylnaphthalene-d10

Concen: 0.347 ng

RT: 11.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

Instrument :

BNA\_N

ClientSampleId :

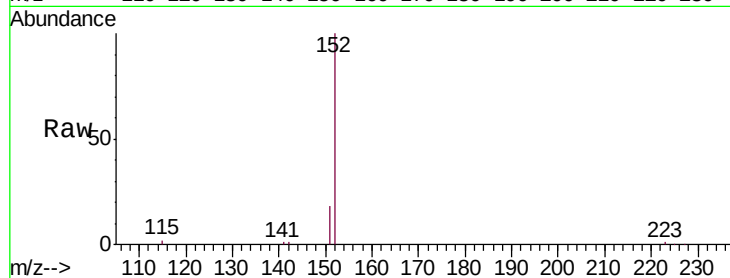
KY038PS037-190812

Tgt Ion:152 Resp: 17825

Ion Ratio Lower Upper

152 100

151 19.8 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.78

12000

10000

8000

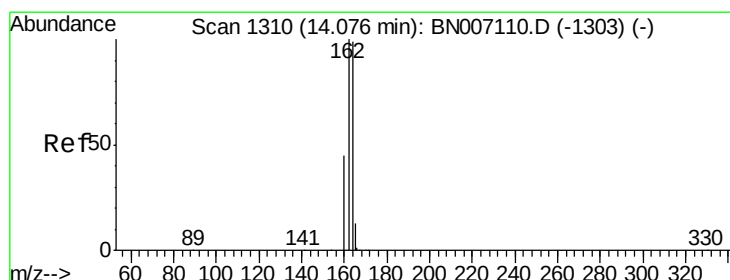
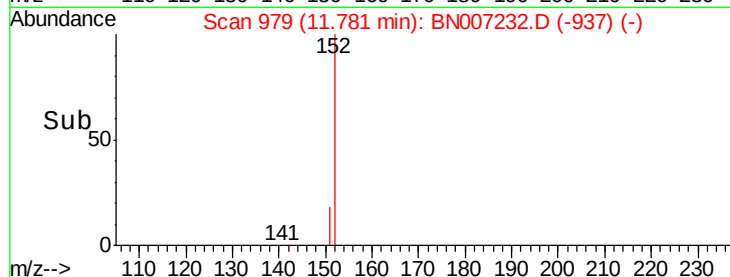
6000

4000

2000

0

Time-->



#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

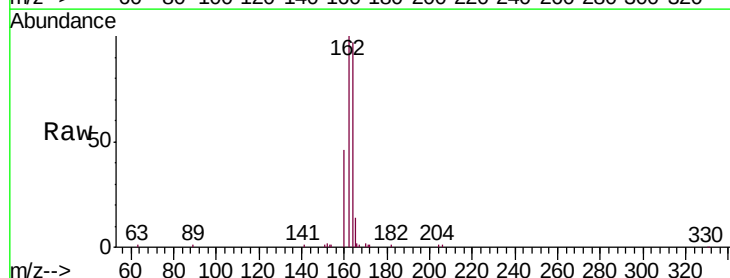
Tgt Ion:164 Resp: 16515

Ion Ratio Lower Upper

164 100

162 102.6 82.2 123.4

160 46.9 38.3 57.5



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

14.07

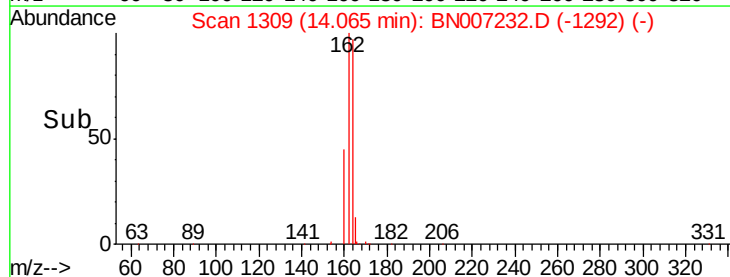
15000

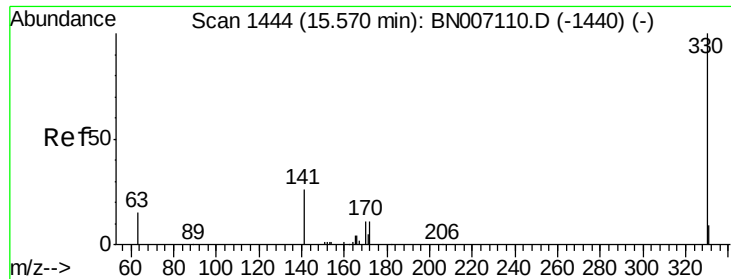
10000

5000

0

Time-->

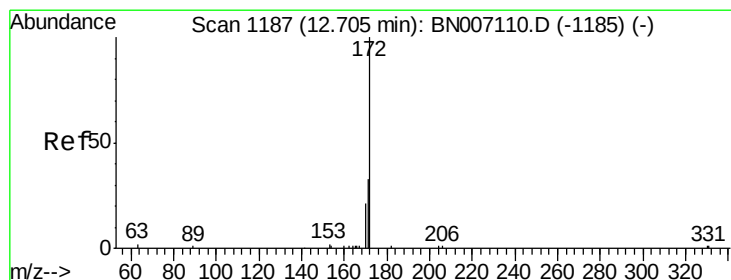
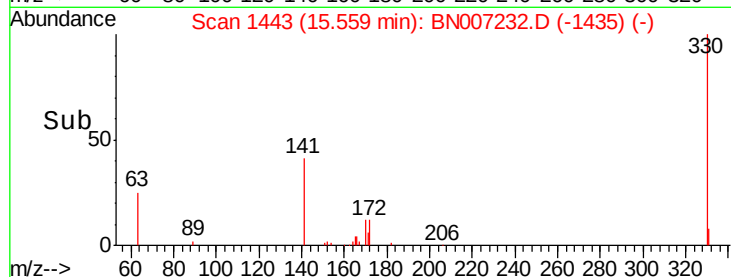
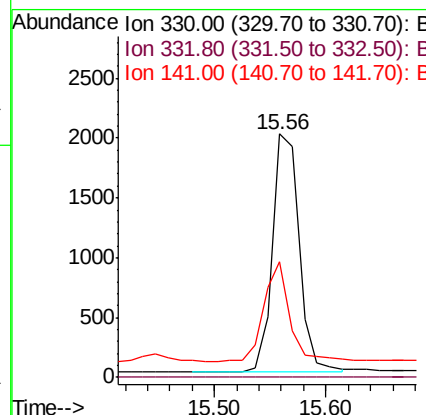
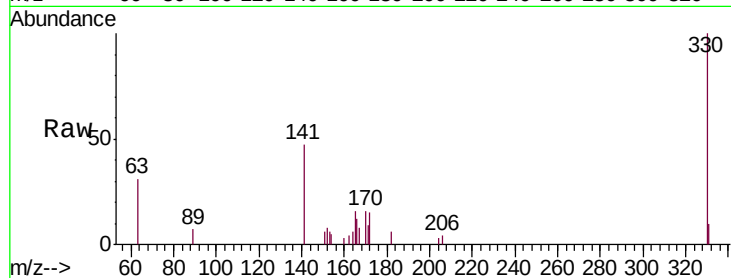




#13  
 2,4,6-Tribromophenol  
 Concen: 0.372 ng  
 RT: 15.56 min Scan# 1443  
 Delta R.T. -0.01 min  
 Lab File: BN007232.D  
 Acq: 16 Aug 2019 20:37

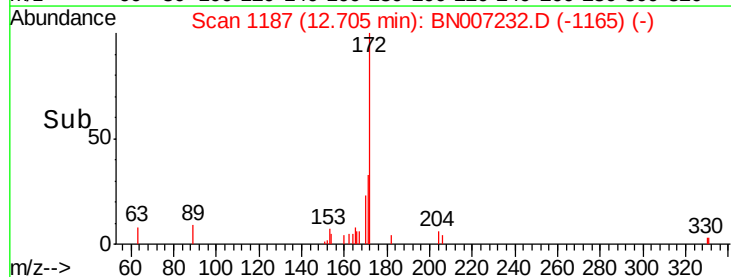
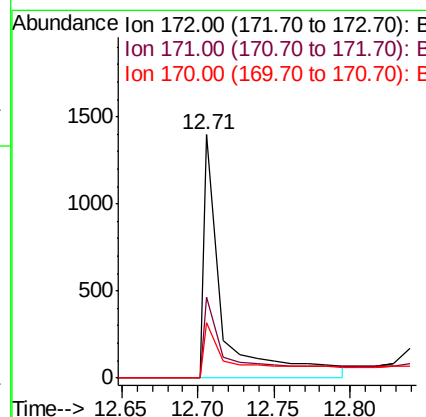
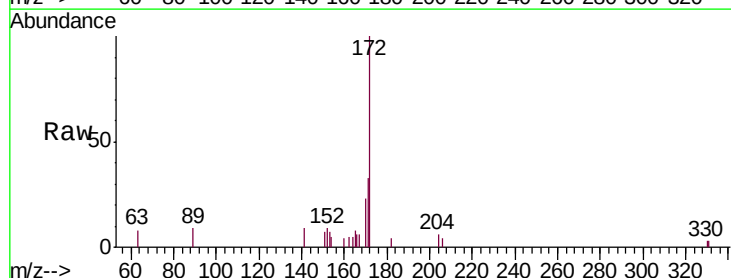
Instrument :  
 BNA\_N  
 ClientSampleId :  
 KY038PS037-190812

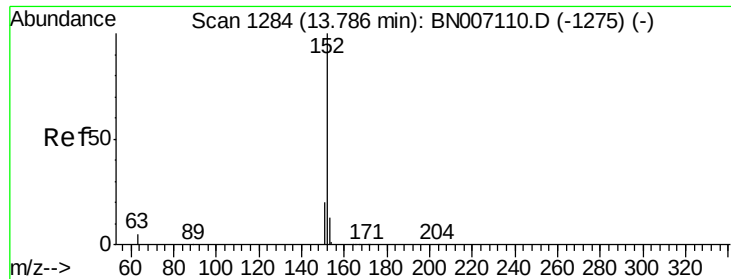
Tgt Ion: 330 Resp: 3306  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 40.2 33.6 50.4



#14  
 2-Fluorobiphenyl  
 Concen: 0.055 ng  
 RT: 12.71 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: BN007232.D  
 Acq: 16 Aug 2019 20:37

Tgt Ion: 172 Resp: 1331  
 Ion Ratio Lower Upper  
 172 100  
 171 33.1 26.3 39.5  
 170 22.5 17.0 25.4





#15

Acenaphthylene

Concen: 0.044 ng

RT: 13.78 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

Instrument :

BNA\_N

ClientSampleId :

KY038PS037-190812

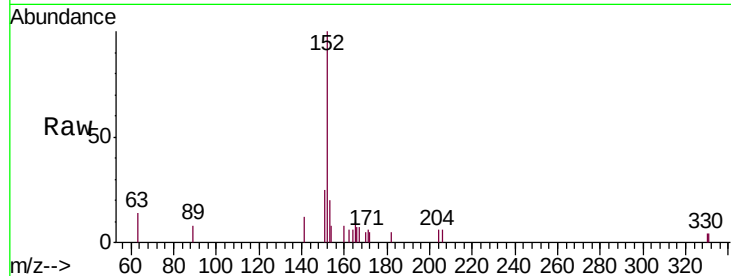
Tgt Ion:152 Resp: 3815

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

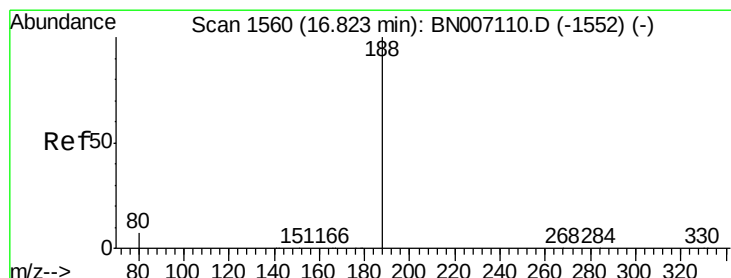
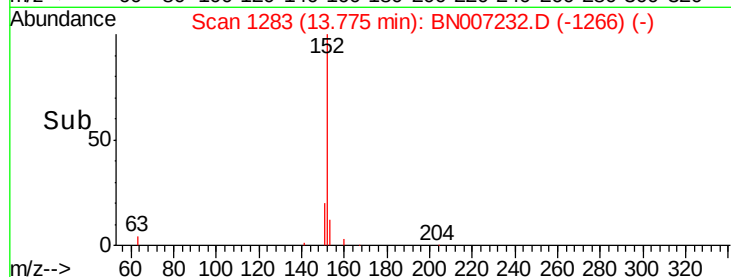
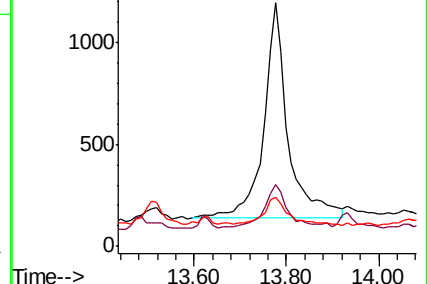
153 13.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.81 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

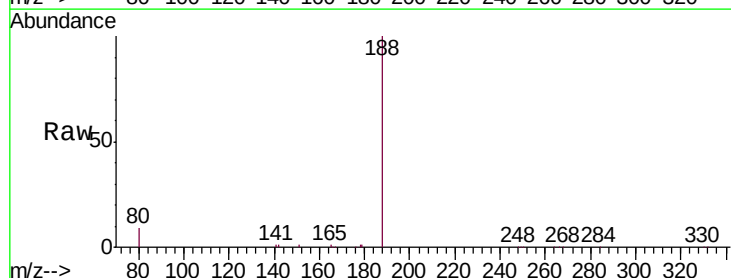
Tgt Ion:188 Resp: 39232

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

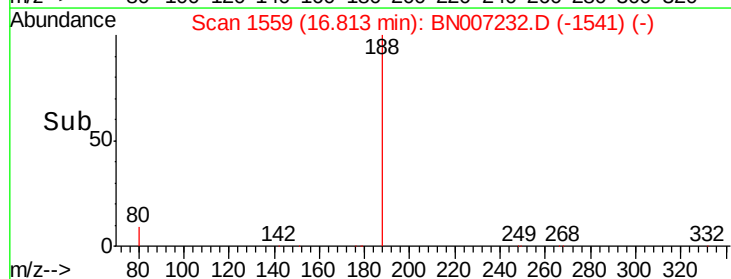
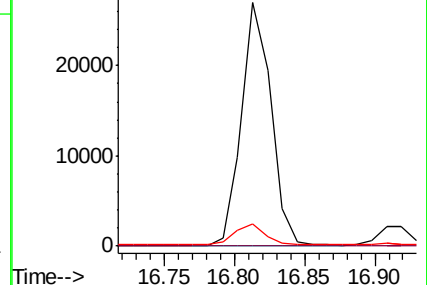
80 9.3 7.8 11.6



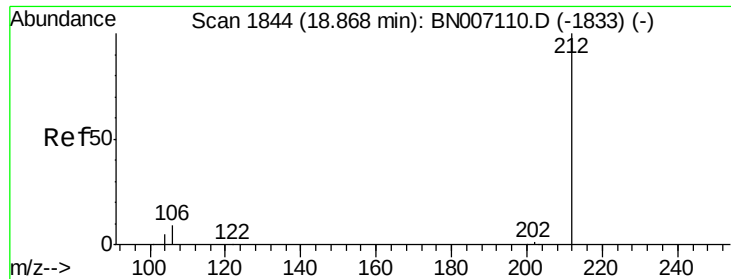
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC







#24

Fluoranthene-d10

Concen: 0.336 ng

RT: 18.86 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

Instrument :

BNA\_N

ClientSampleId :

KY038PS037-190812

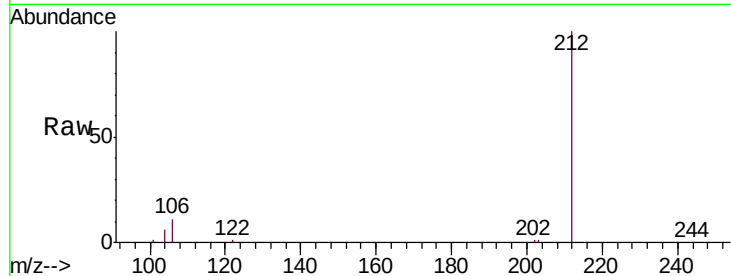
Tgt Ion:212 Resp: 46815

Ion Ratio Lower Upper

212 100

106 10.5 8.2 12.2

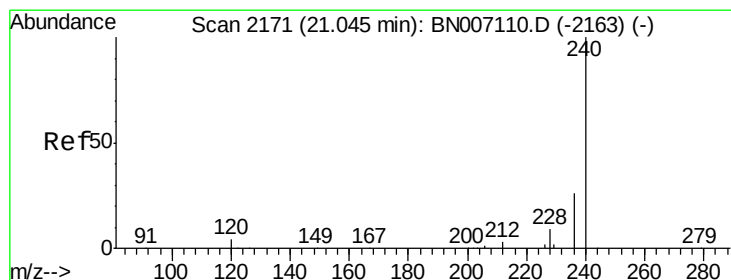
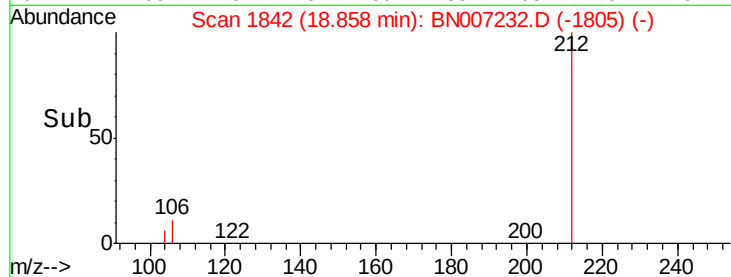
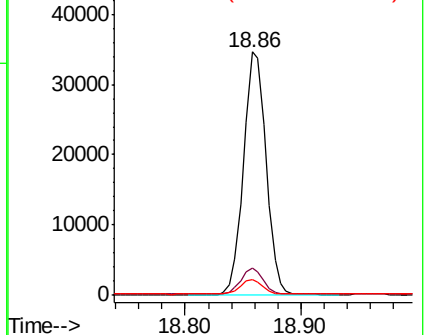
104 5.9 4.5 6.7



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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

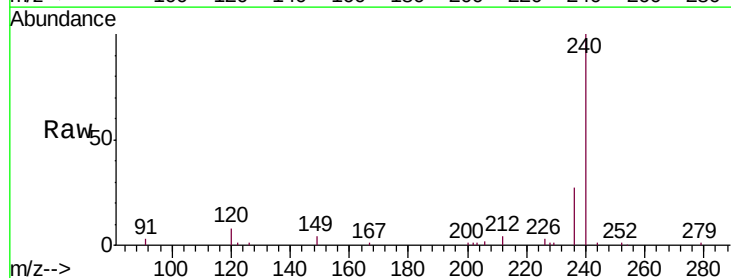
Tgt Ion:240 Resp: 39080

Ion Ratio Lower Upper

240 100

120 7.9 4.0 6.0#

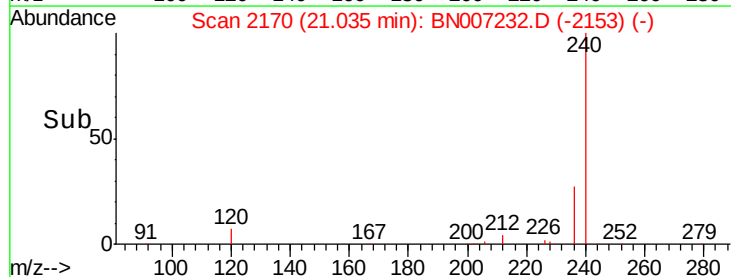
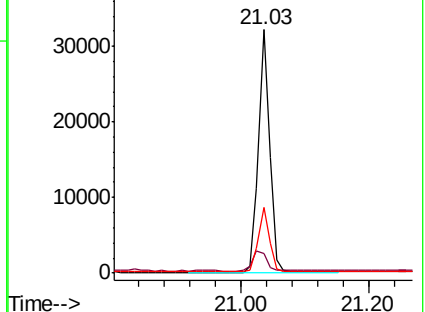
236 27.0 21.3 31.9

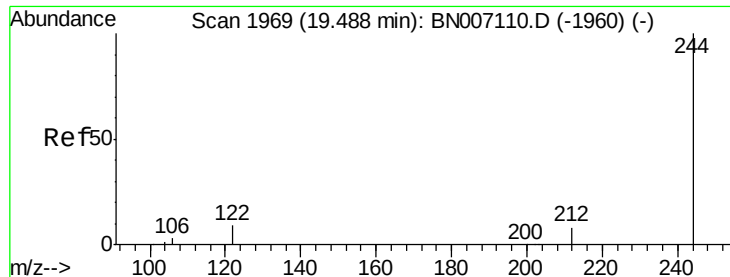


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Terphenyl-d14

Concen: 0.380 ng

RT: 19.48 min Scan# 1967

Delta R.T. -0.02 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

Instrument :

BNA\_N

ClientSampleId :

KY038PS037-190812

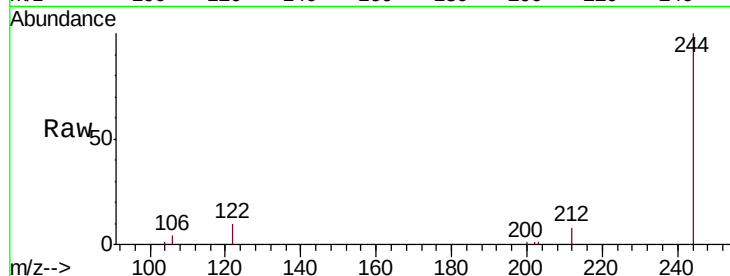
Tgt Ion:244 Resp: 40443

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

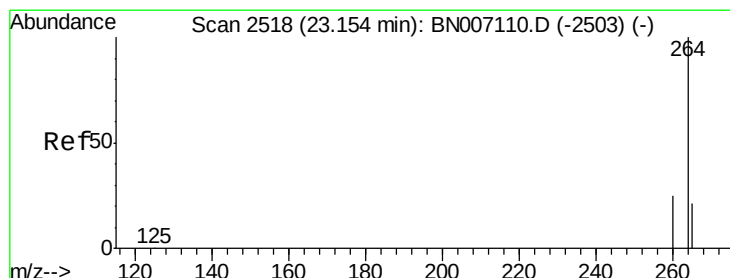
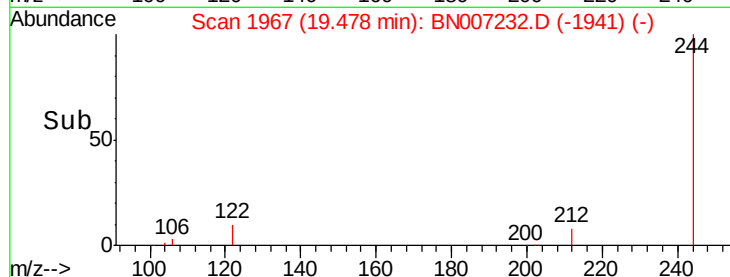
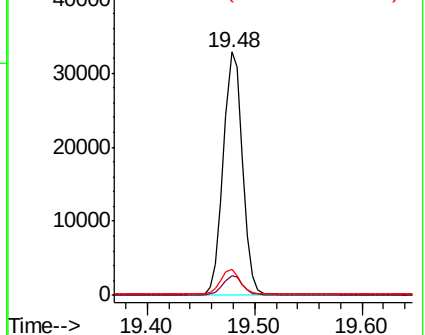
122 10.4 7.4 11.2



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



#32

Perylene-d12

Concen: 0.400 ng

RT: 23.15 min Scan# 2517

Delta R.T. -0.02 min

Lab File: BN007232.D

Acq: 16 Aug 2019 20:37

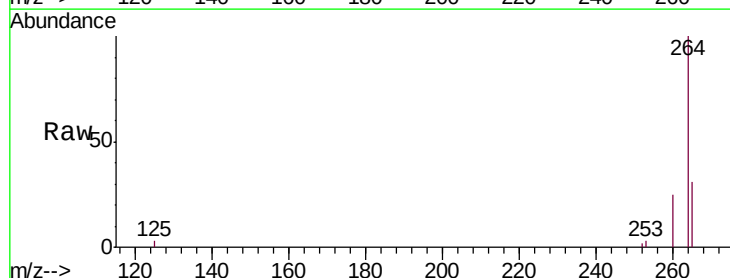
Tgt Ion:264 Resp: 40997

Ion Ratio Lower Upper

264 100

260 25.1 19.8 29.8

265 31.2 26.2 39.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

