

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN070519\  
 Data File : BN006737.D  
 Acq On : 06 Jul 2019 04:08  
 Operator : HP/JU  
 Sample : K3638-05  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MWHR2-10-070119

Quant Time: Jul 06 05:13:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN070219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 05 05:30:28 2019  
 Response via : Initial Calibration

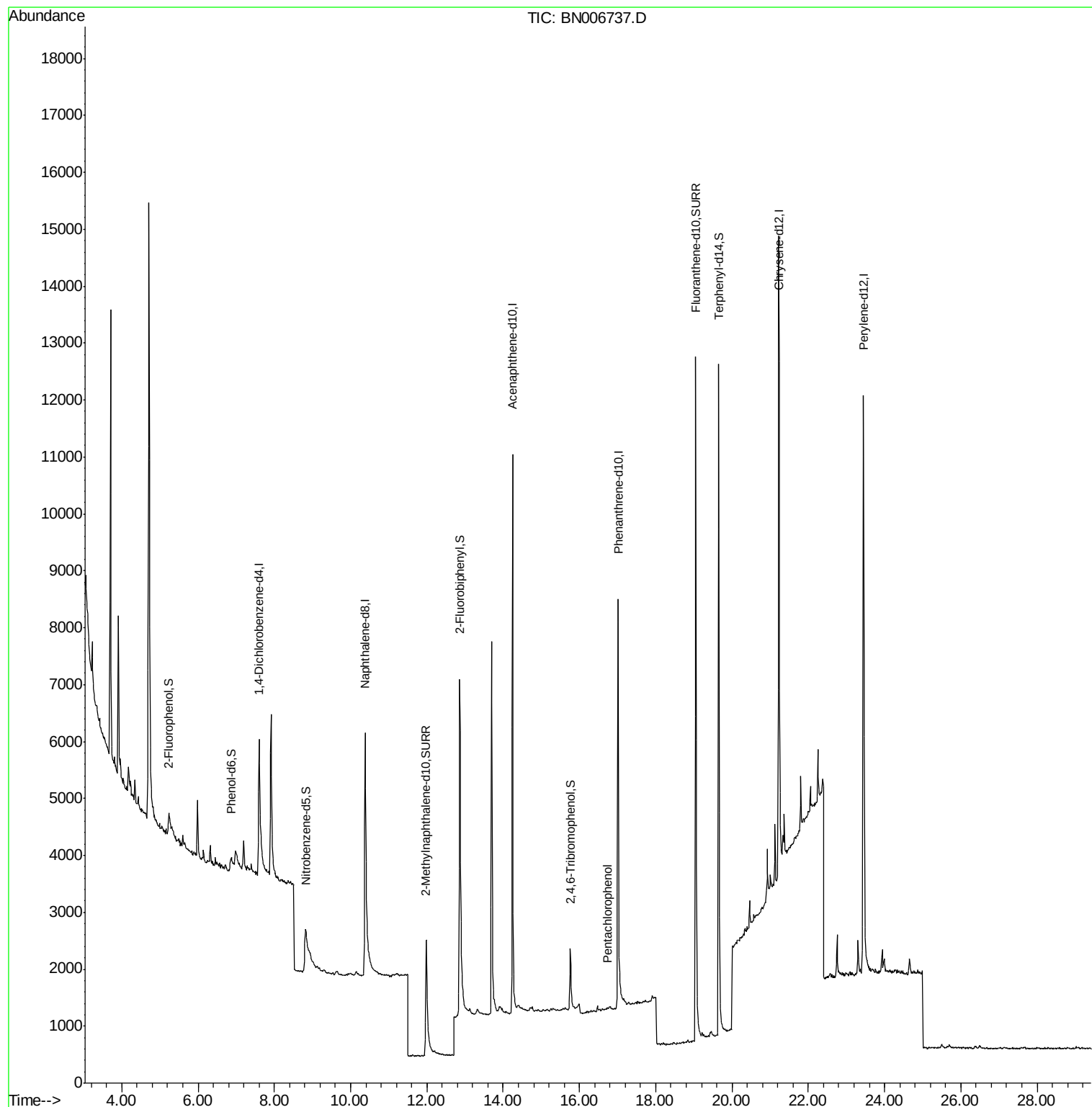
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.60  | 152  | 2560     | 0.40      | ng    | -0.02    |
| 7) Naphthalene-d8           | 10.38 | 136  | 9826     | 0.40      | ng    | -0.01    |
| 13) Acenaphthene-d10        | 14.24 | 164  | 6140     | 0.40      | ng    | -0.02    |
| 19) Phenanthrene-d10        | 17.01 | 188  | 14158    | 0.40      | ng    | -0.01    |
| 27) Chrysene-d12            | 21.23 | 240  | 13855    | 0.40      | ng    | -0.03    |
| 34) Perylene-d12            | 23.45 | 264  | 15960    | 0.40      | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |           |       |          |
| 4) 2-Fluorophenol           | 5.24  | 112  | 1023     | 0.15      | ng    | 0.00     |
| 5) Phenol-d6                | 6.86  | 99   | 752      | 0.09      | ng    | 0.03     |
| 8) Nitrobenzene-d5          | 8.82  | 82   | 2059     | 0.27      | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10 | 11.98 | 152  | 5542     | 0.38      | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 15.76 | 330  | 1128     | 0.37      | ng    | -0.03    |
| 15) 2-Fluorobiphenyl        | 12.86 | 172  | 8810     | 0.37      | ng    | -0.02    |
| 25) Fluoranthene-d10        | 19.06 | 212  | 16981    | 0.42      | ng    | -0.02    |
| 29) Terphenyl-d14           | 19.65 | 244  | 13825    | 0.43      | ng    | -0.02    |
| Target Compounds            |       |      |          |           |       |          |
| 12) 2-Methylnaphthalene     | 12.07 | 142  | 23       | Below Cal | #     | 39       |
| 22) Pentachlorophenol       | 16.73 | 266  | 17       | 0.123 ng  | #     | 80       |

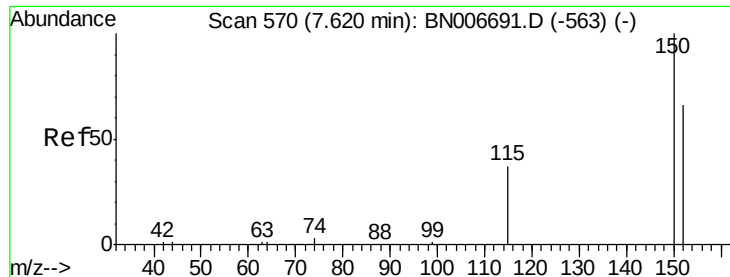
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN070519\  
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BNA\_N  
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Quant Time: Jul 06 05:13:32 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN070219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 05:30:28 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.60 min Scan# 568

Delta R.T. -0.02 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

Instrument :

BNA\_N

ClientSampleId :

MWHR2-10-070119

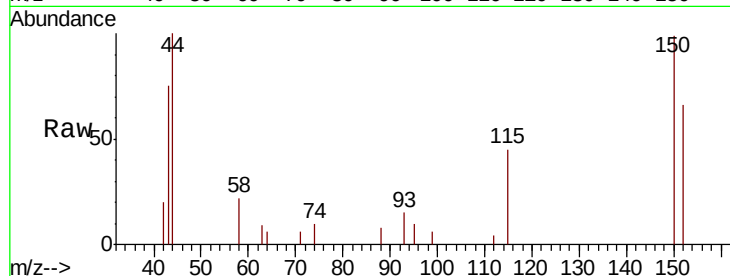
Tgt Ion:152 Resp: 2560

Ion Ratio Lower Upper

152 100

150 149.2 120.6 181.0

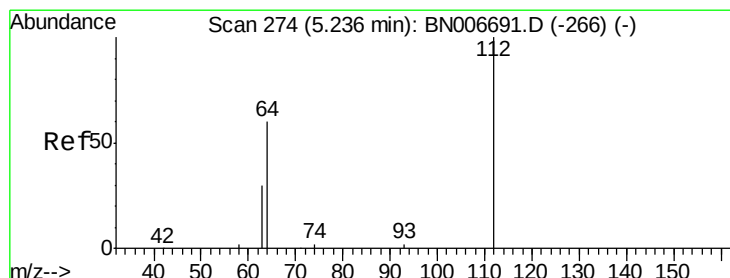
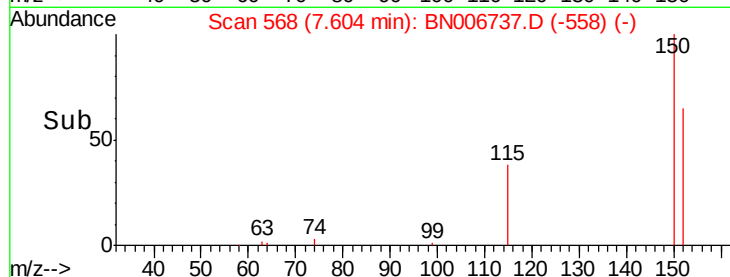
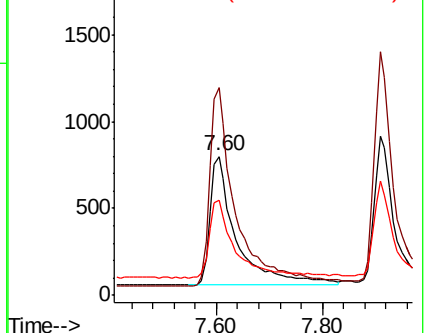
115 68.1 51.0 76.6



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



#4

2-Fluorophenol

Concen: 0.147 ng

RT: 5.24 min Scan# 275

Delta R.T. 0.01 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

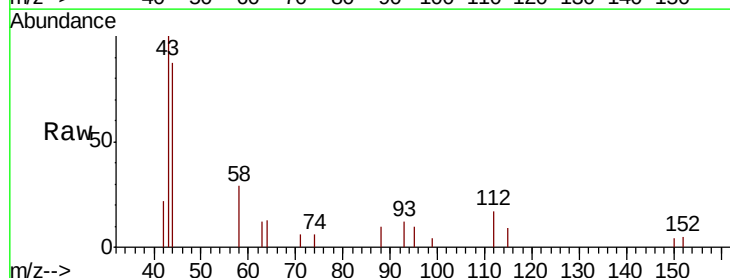
Tgt Ion:112 Resp: 1023

Ion Ratio Lower Upper

112 100

64 65.5 49.8 74.6

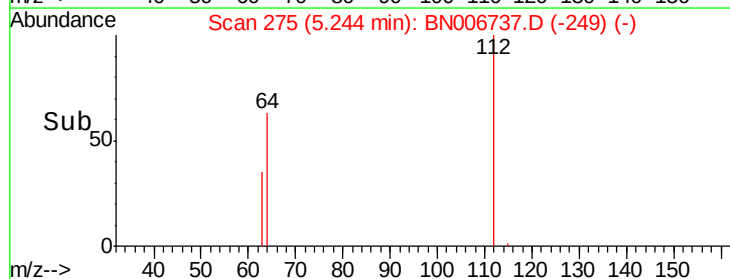
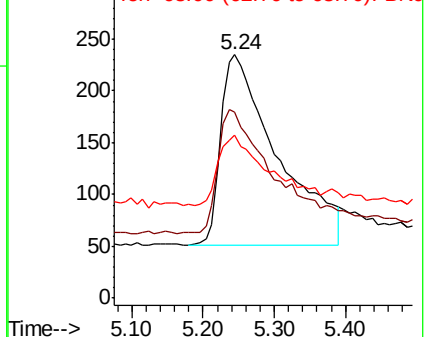
63 32.6 25.8 38.6

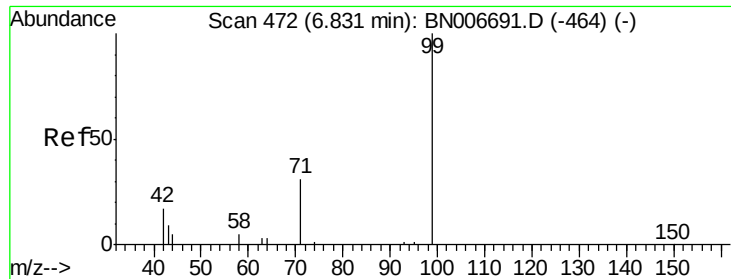


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.085 ng

RT: 6.86 min Scan# 476

Delta R.T. 0.03 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

Instrument :

BNA\_N

ClientSampleId :

MWHR2-10-070119

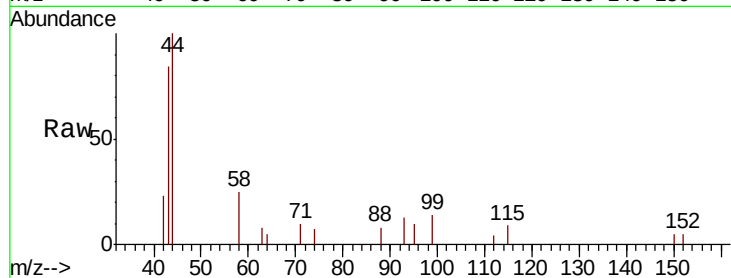
Tgt Ion: 99 Resp: 752

Ion Ratio Lower Upper

99 100

42 8.2 16.6 25.0#

71 29.7 26.0 39.0

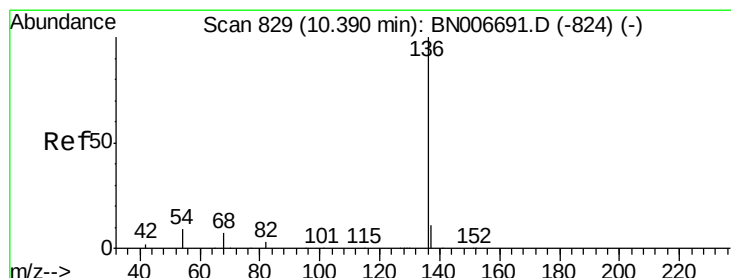
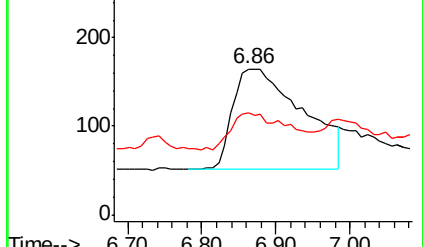
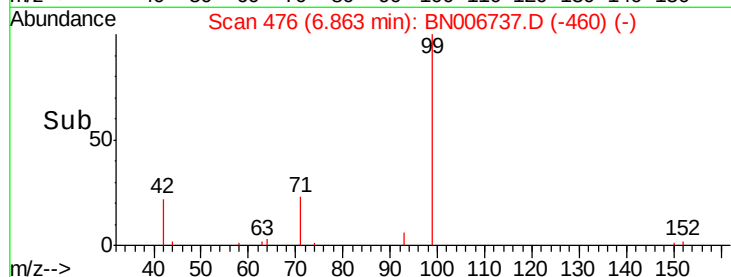


Abundance Ion 99.00 (98.70 to 99.70): BN006691.D (-464) (-)

Ion 42.00 (41.70 to 42.70): BN006691.D (-464) (-)

Ion 71.00 (70.70 to 71.70): BN006691.D (-464) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 828

Delta R.T. -0.01 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

Tgt Ion: 136 Resp: 9826

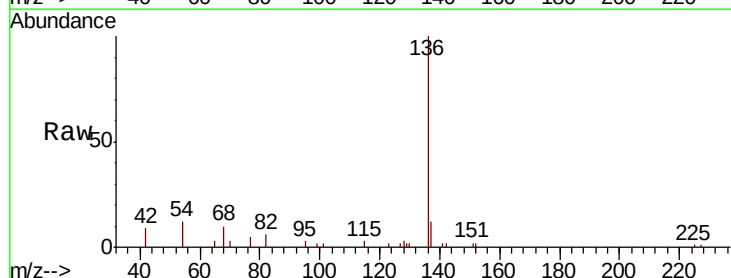
Ion Ratio Lower Upper

136 100

137 12.4 9.3 13.9

54 12.4 8.4 12.6

68 9.8 6.8 10.2



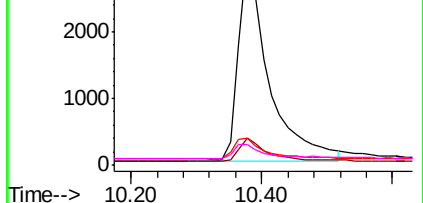
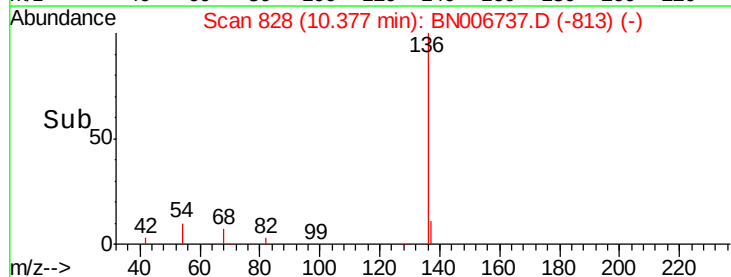
Abundance Ion 136.00 (135.70 to 136.70): BN006691.D (-824) (-)

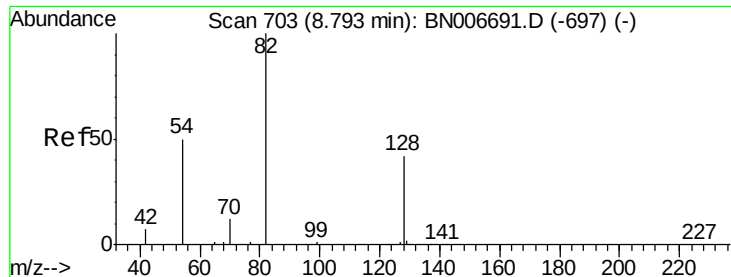
Ion 137.00 (136.70 to 137.70): BN006691.D (-824) (-)

Ion 54.00 (53.70 to 54.70): BN006691.D (-824) (-)

Ion 68.00 (67.70 to 68.70): BN006691.D (-824) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.273 ng

RT: 8.82 min Scan# 705

Delta R.T. 0.03 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

Instrument :

BNA\_N

ClientSampleId :

MWHR2-10-070119

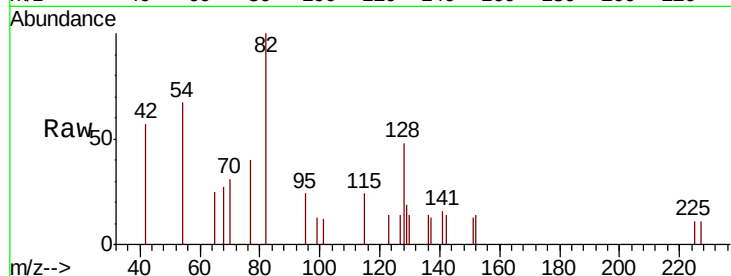
Tgt Ion: 82 Resp: 2059

Ion Ratio Lower Upper

82 100

128 48.4 36.1 54.1

54 66.9 44.5 66.7#



Abundance Ion 82.00 (81.70 to 82.70): BN006691.D (-697) (-)

Ion 128.00 (127.70 to 128.70): BN006691.D (-697) (-)

Ion 54.00 (53.70 to 54.70): BN006691.D (-697) (-)

8.82

400

300

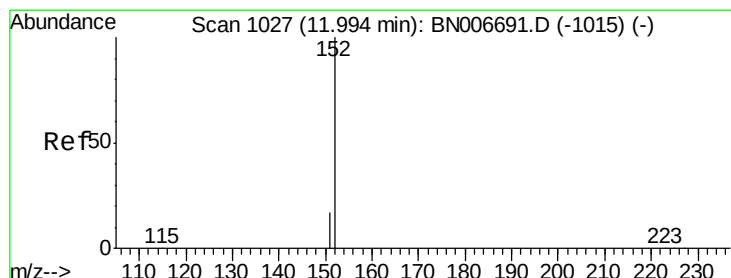
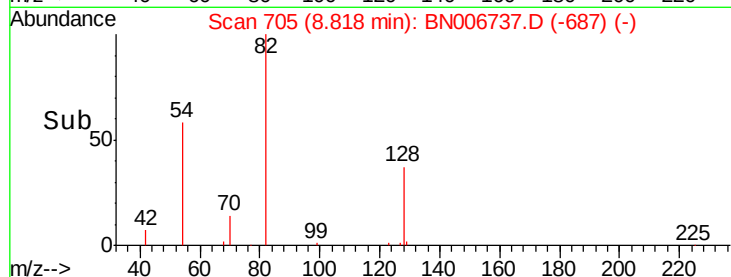
200

100

0

8.70 8.80 8.90 9.00

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.375 ng

RT: 11.98 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BN006737.D

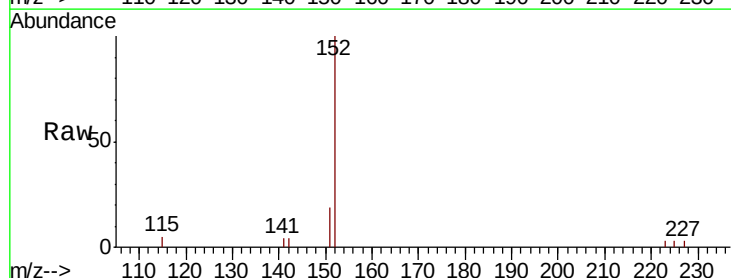
Acq: 06 Jul 2019 04:08

Tgt Ion: 152 Resp: 5542

Ion Ratio Lower Upper

152 100

151 18.6 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): BN006691.D (-1015) (-)

Ion 151.00 (150.70 to 151.70): BN006691.D (-1015) (-)

11.98

2000

1500

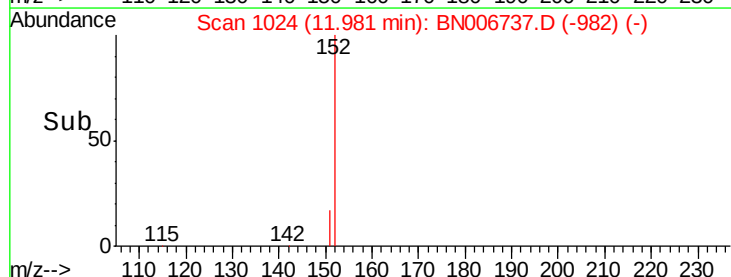
1000

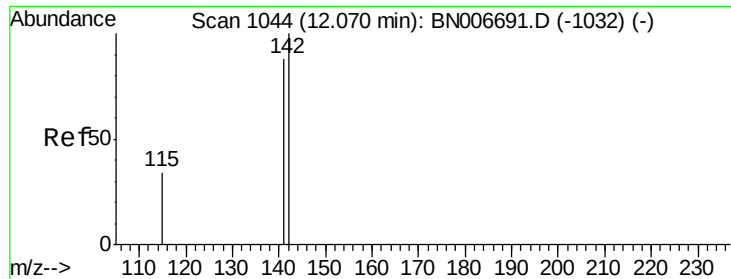
500

0

12.00 12.20

Time-->

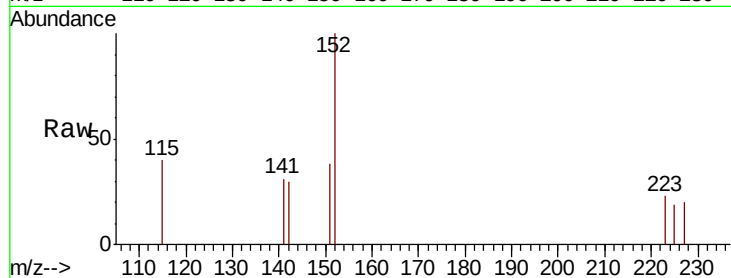




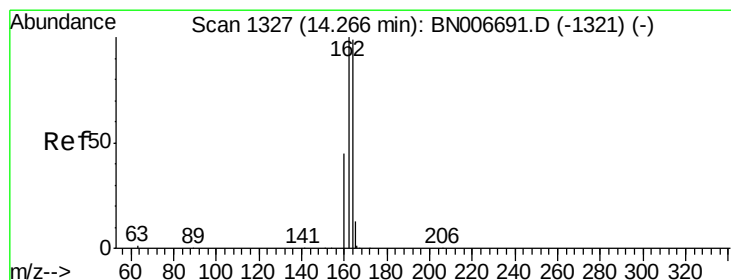
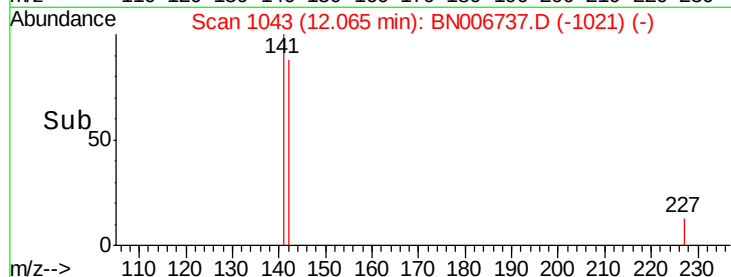
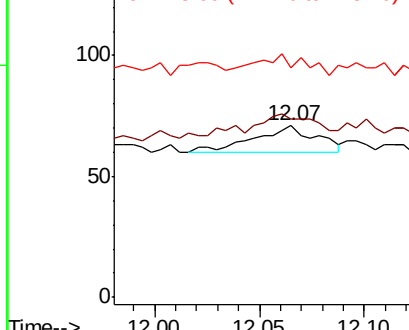
#12  
2-Methylnaphthalene  
Concen: Below Cal  
RT: 12.07 min Scan# 1043  
Delta R.T. -0.00 min  
Lab File: BN006737.D  
Acq: 06 Jul 2019 04:08

Instrument :  
BNA\_N  
ClientSampleId :  
MWHR2-10-070119

Tgt Ion:142 Resp: 23  
Ion Ratio Lower Upper  
142 100  
141 104.2 70.3 105.5  
115 133.8 28.9 43.3#

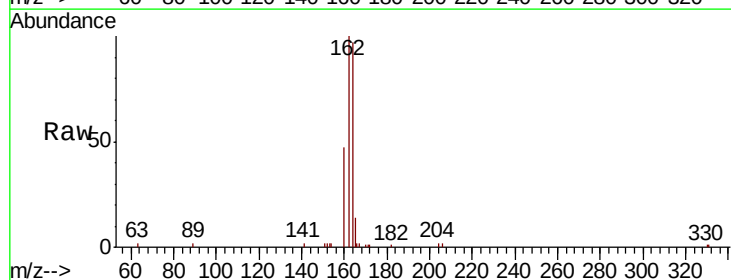


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

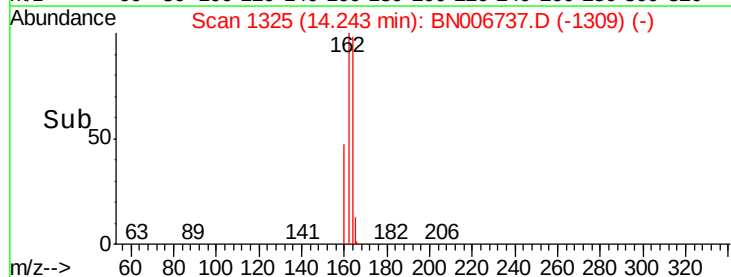
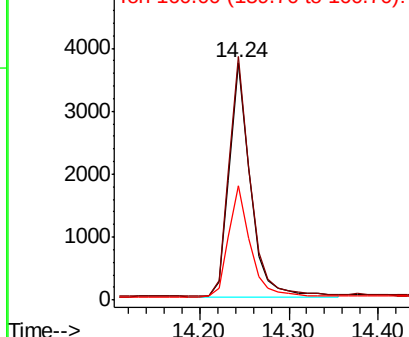


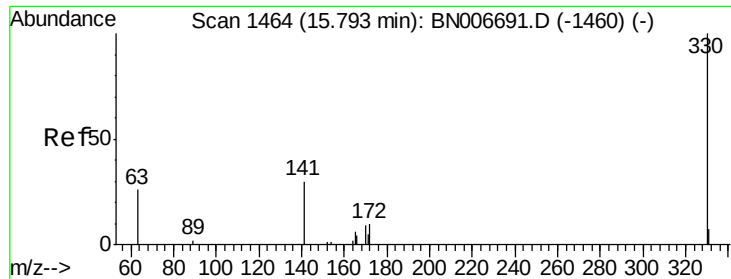
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.24 min Scan# 1325  
Delta R.T. -0.02 min  
Lab File: BN006737.D  
Acq: 06 Jul 2019 04:08

Tgt Ion:164 Resp: 6140  
Ion Ratio Lower Upper  
164 100  
162 102.6 80.8 121.2  
160 48.3 37.0 55.6



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

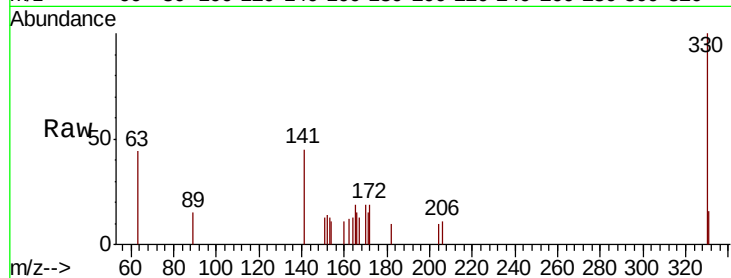




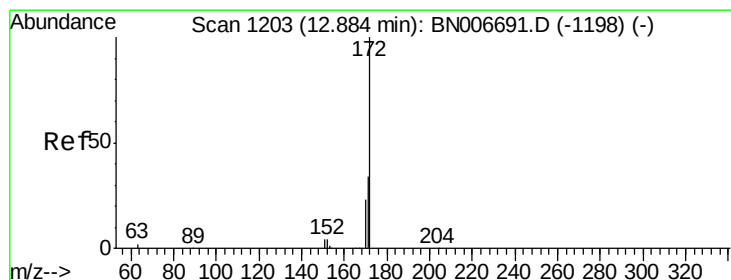
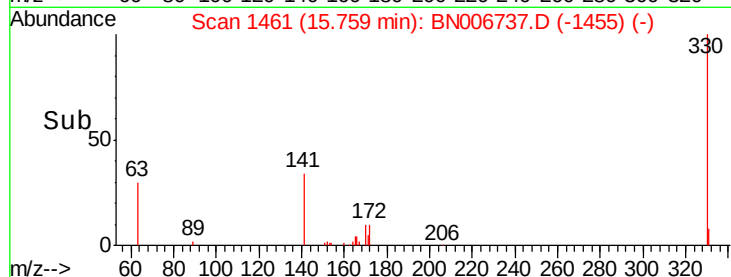
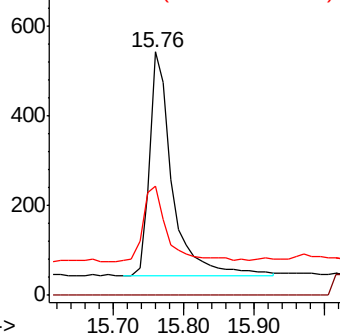
#14  
 2,4,6-Tribromophenol  
 Concen: 0.374 ng  
 RT: 15.76 min Scan# 1461  
 Delta R.T. -0.03 min  
 Lab File: BN006737.D  
 Acq: 06 Jul 2019 04:08

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MWHR2-10-070119

Tgt Ion: 330 Resp: 1128  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 36.8 24.8 37.2

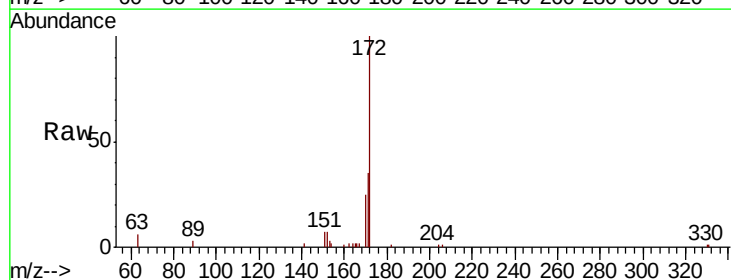


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

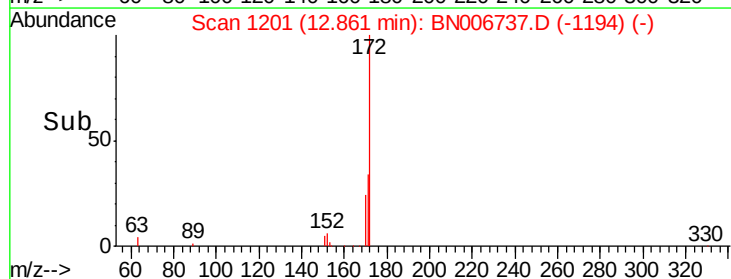
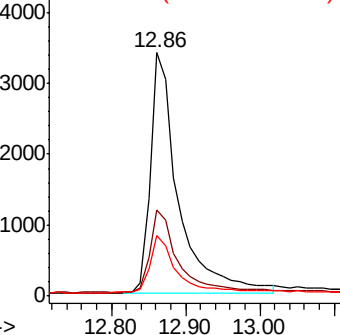


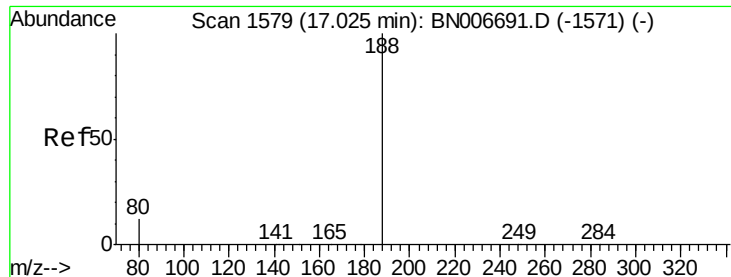
#15  
 2-Fluorobiphenyl  
 Concen: 0.367 ng  
 RT: 12.86 min Scan# 1201  
 Delta R.T. -0.02 min  
 Lab File: BN006737.D  
 Acq: 06 Jul 2019 04:08

Tgt Ion: 172 Resp: 8810  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 27.8 41.6  
 170 24.7 18.9 28.3



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: 17.01 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

Instrument :

BNA\_N

ClientSampleId :

MWHR2-10-070119

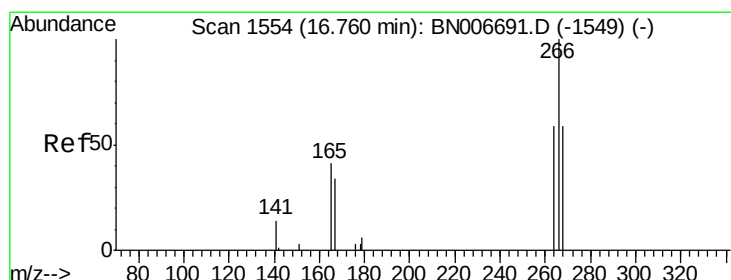
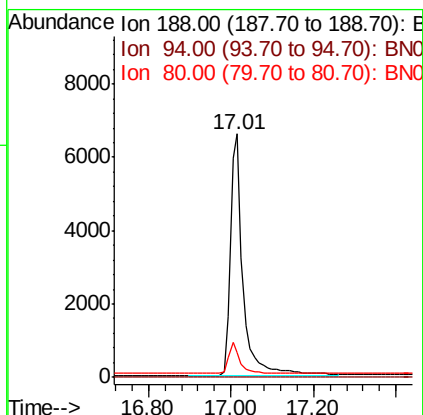
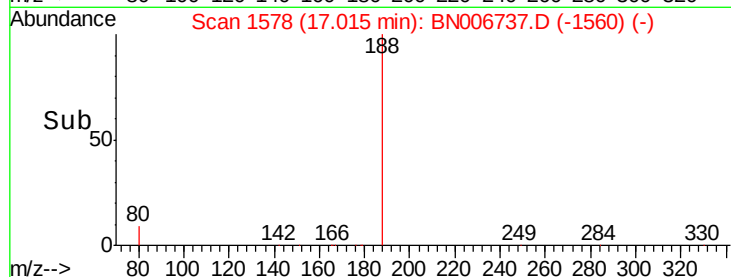
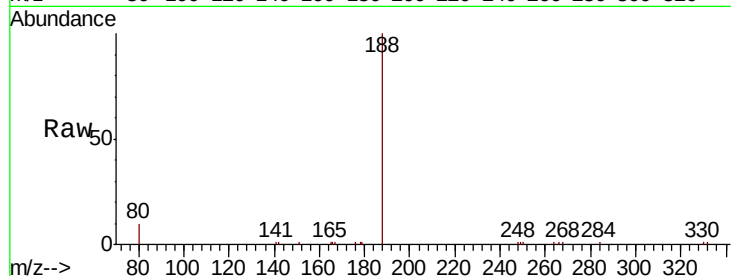
Tgt Ion:188 Resp: 14158

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.2 10.3 15.5#



#22

Pentachlorophenol

Concen: 0.123 ng

RT: 16.73 min Scan# 1551

Delta R.T. -0.03 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

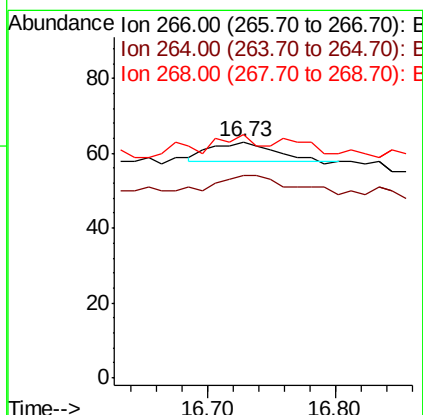
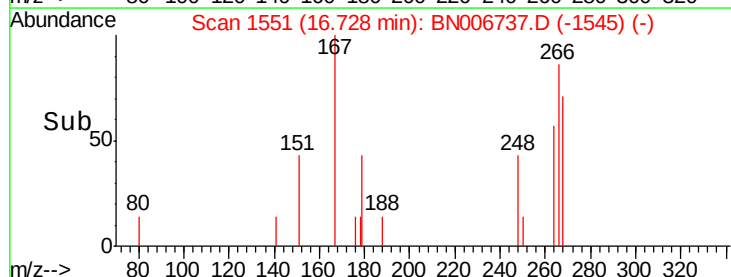
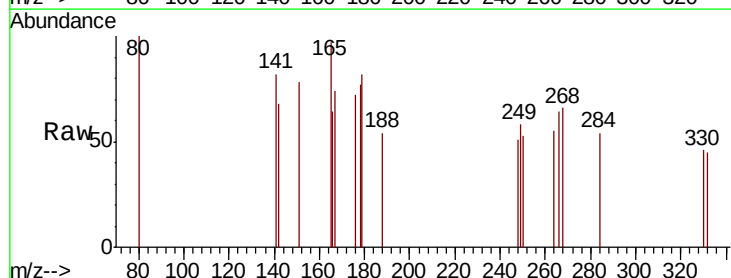
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

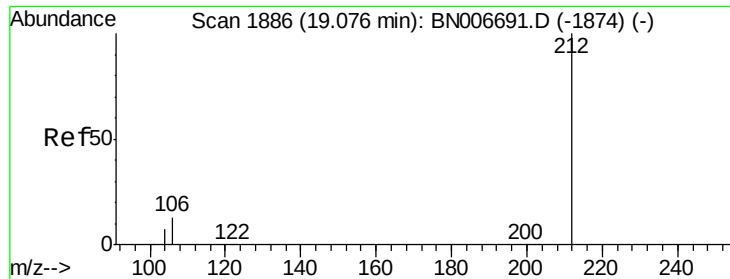
266 100

264 85.7 57.6 86.4

268 103.2 66.6 99.8#







#25

Fluoranthene-d10

Concen: 0.419 ng

RT: 19.06 min Scan# 1882

Delta R.T. -0.02 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

Instrument :

BNA\_N

ClientSampleId :

MWHR2-10-070119

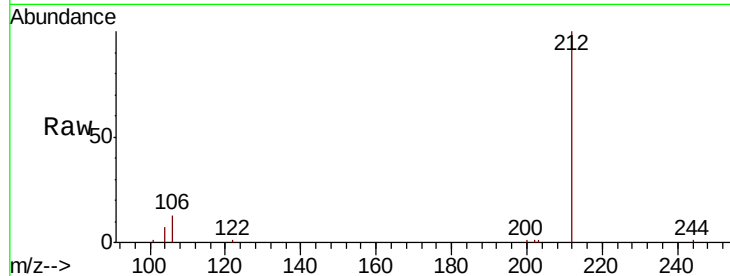
Tgt Ion:212 Resp: 16981

Ion Ratio Lower Upper

212 100

106 13.3 11.0 16.6

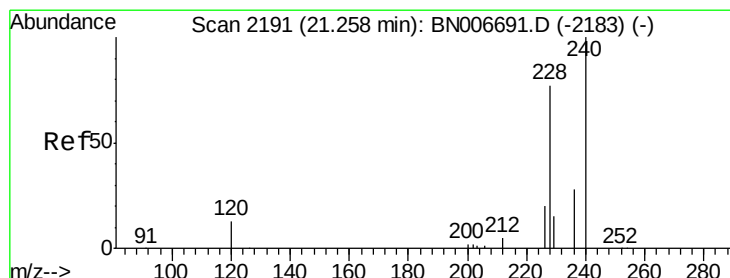
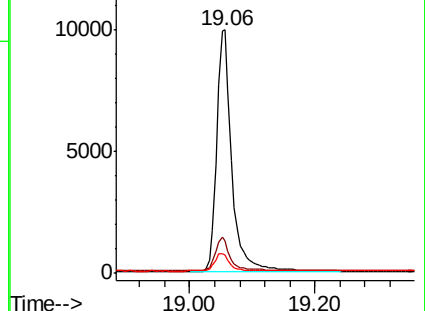
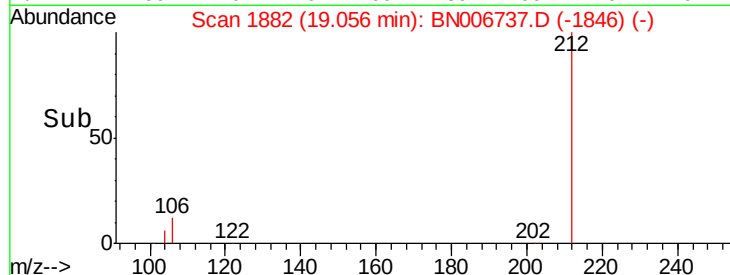
104 7.0 6.1 9.1



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: 21.23 min Scan# 2188

Delta R.T. -0.03 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

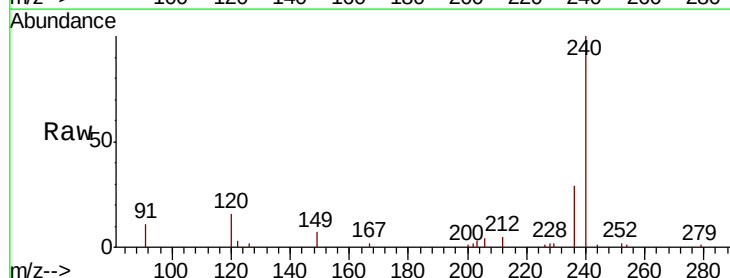
Tgt Ion:240 Resp: 13855

Ion Ratio Lower Upper

240 100

120 16.3 12.9 19.3

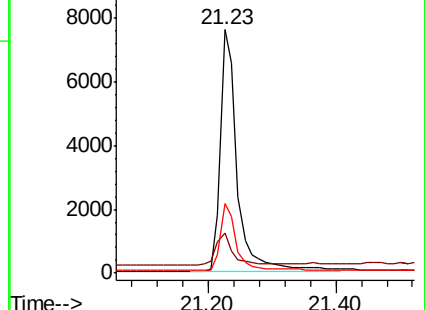
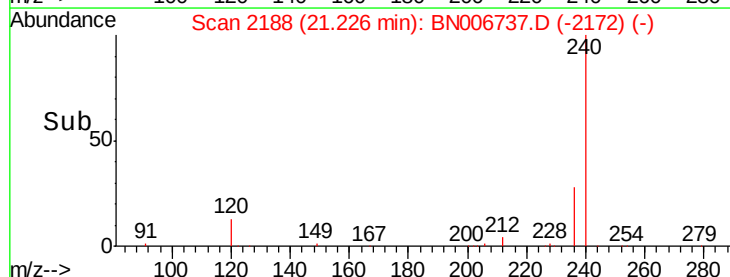
236 28.7 23.2 34.8

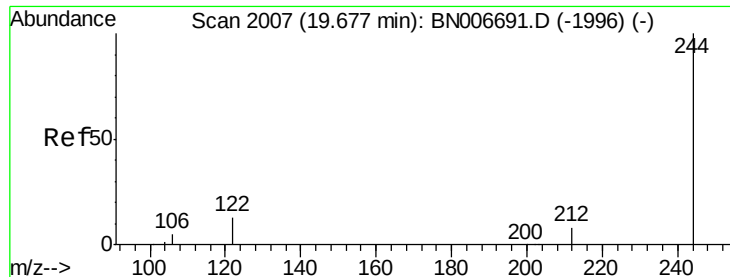


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.433 ng

RT: 19.65 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

Instrument :

BNA\_N

ClientSampleId :

MWHR2-10-070119

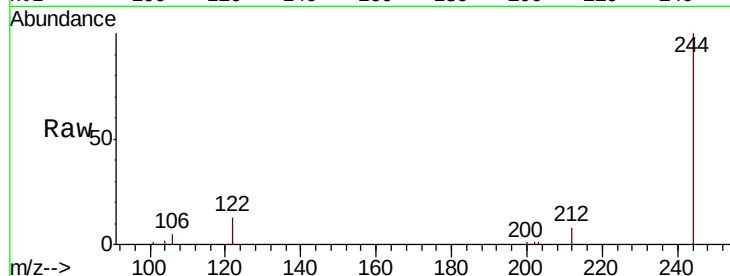
Tgt Ion:244 Resp: 13825

Ion Ratio Lower Upper

244 100

212 8.0 7.0 10.4

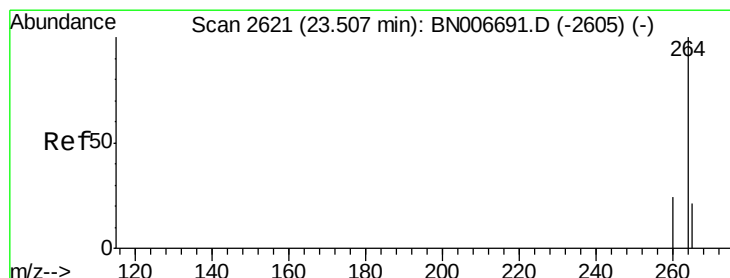
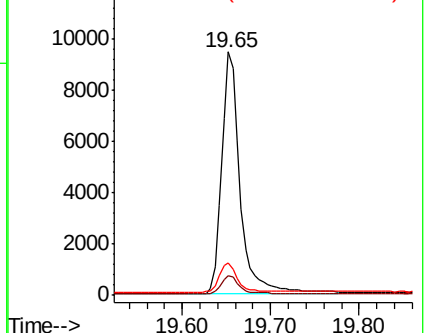
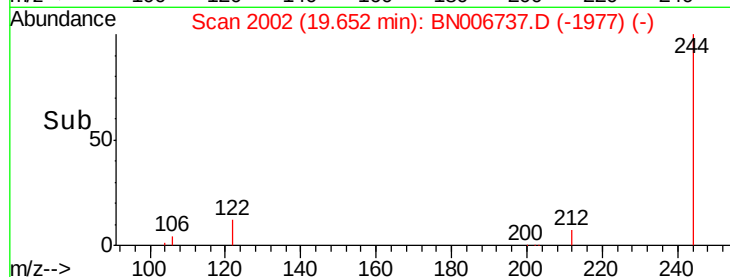
122 13.5 11.5 17.3



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.45 min Scan# 2604

Delta R.T. -0.06 min

Lab File: BN006737.D

Acq: 06 Jul 2019 04:08

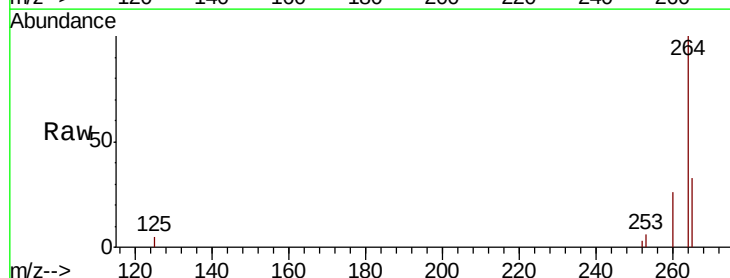
Tgt Ion:264 Resp: 15960

Ion Ratio Lower Upper

264 100

260 25.6 20.2 30.2

265 32.9 33.7 50.5#



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

