

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN070519\  
 Data File : BN006739.D  
 Acq On : 06 Jul 2019 05:17  
 Operator : HP/JU  
 Sample : K3638-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MWHR2-6-070119

Quant Time: Jul 06 06:25:02 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

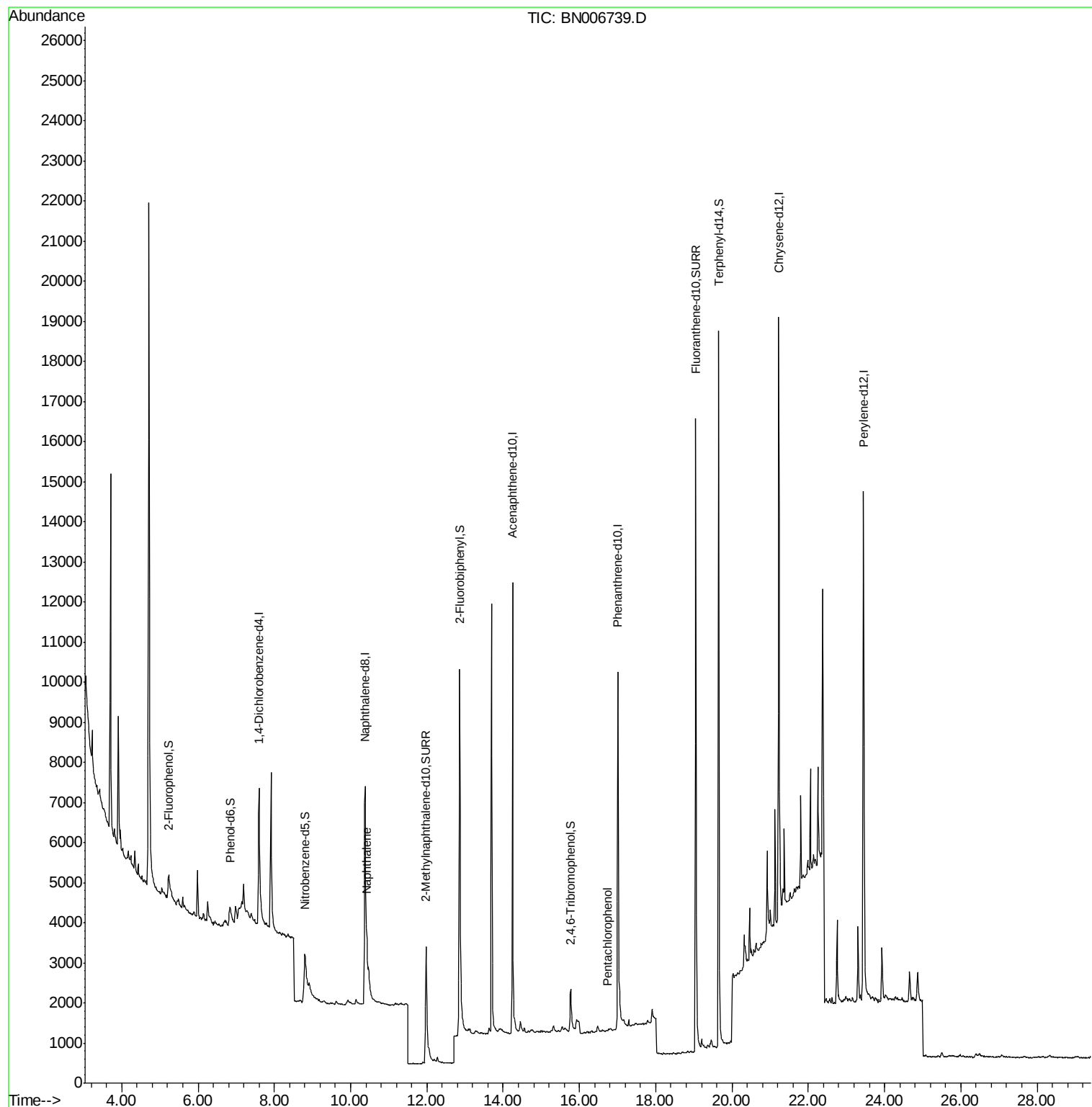
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.60  | 152  | 2974     | 0.40      | ng    | -0.02    |
| 7) Naphthalene-d8           | 10.38 | 136  | 11648    | 0.40      | ng    | -0.01    |
| 13) Acenaphthene-d10        | 14.24 | 164  | 7070     | 0.40      | ng    | -0.02    |
| 19) Phenanthrene-d10        | 17.00 | 188  | 16407    | 0.40      | ng    | -0.02    |
| 27) Chrysene-d12            | 21.23 | 240  | 16373    | 0.40      | ng    | -0.03    |
| 34) Perylene-d12            | 23.45 | 264  | 18756    | 0.40      | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |           |       |          |
| 4) 2-Fluorophenol           | 5.23  | 112  | 1390     | 0.17      | ng    | 0.00     |
| 5) Phenol-d6                | 6.83  | 99   | 1076     | 0.11      | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.79  | 82   | 2993     | 0.34      | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.98 | 152  | 7017     | 0.40      | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol    | 15.77 | 330  | 1284     | 0.37      | ng    | -0.02    |
| 15) 2-Fluorobiphenyl        | 12.86 | 172  | 11358    | 0.41      | ng    | -0.02    |
| 25) Fluoranthene-d10        | 19.05 | 212  | 20249    | 0.43      | ng    | -0.02    |
| 29) Terphenyl-d14           | 19.65 | 244  | 18947    | 0.50      | ng    | -0.02    |
| Target Compounds            |       |      |          |           |       |          |
| 9) Naphthalene              | 10.43 | 128  | 2029     | 0.064     | ng    | # 83     |
| 12) 2-Methylnaphthalene     | 12.06 | 142  | 190      | Below Cal |       | # 64     |
| 22) Pentachlorophenol       | 16.73 | 266  | 10       | 0.117     | ng    | # 77     |

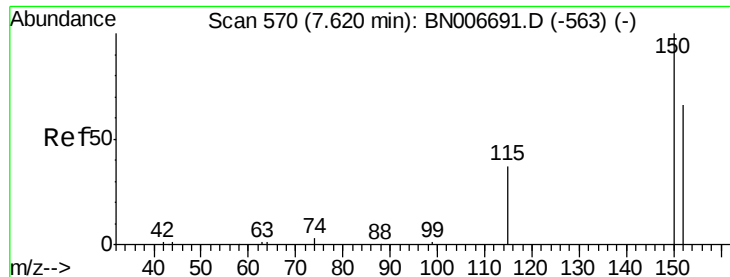
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN070519\  
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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# 567

Delta R.T. -0.02 min

Lab File: BN006739.D

Acq: 06 Jul 2019 05:17

Instrument :

BNA\_N

ClientSampleId :

MWHR2-6-070119

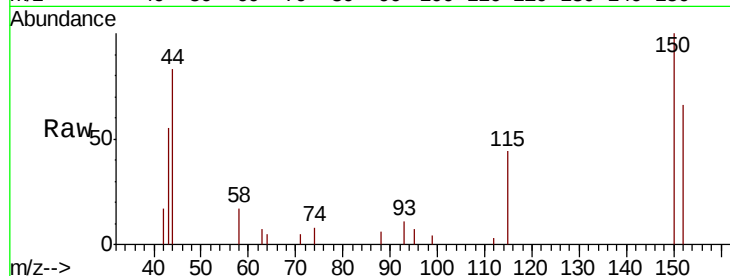
Tgt Ion:152 Resp: 2974

Ion Ratio Lower Upper

152 100

150 151.9 120.6 181.0

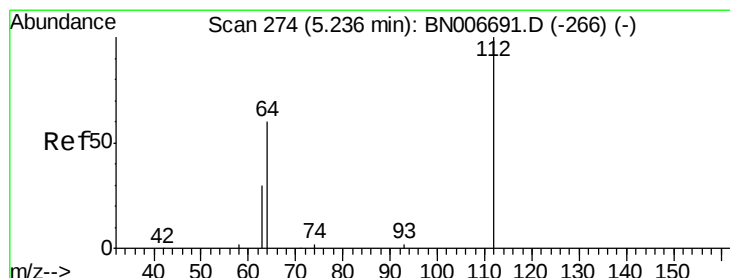
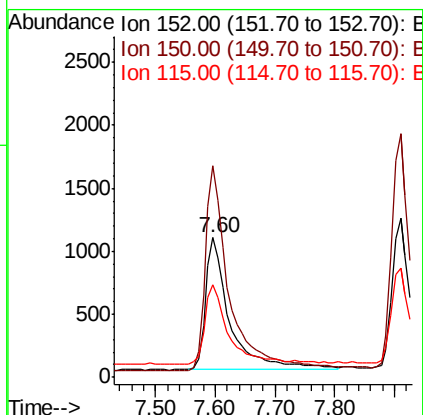
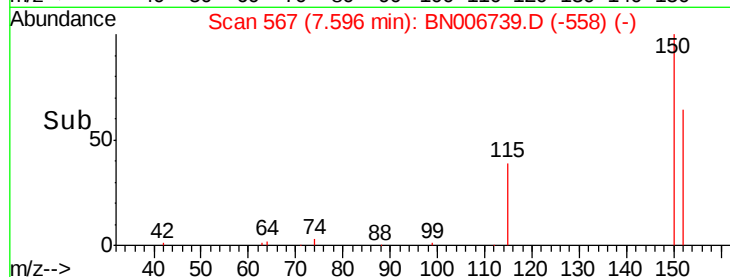
115 66.8 51.0 76.6



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: 0.172 ng

RT: 5.23 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN006739.D

Acq: 06 Jul 2019 05:17

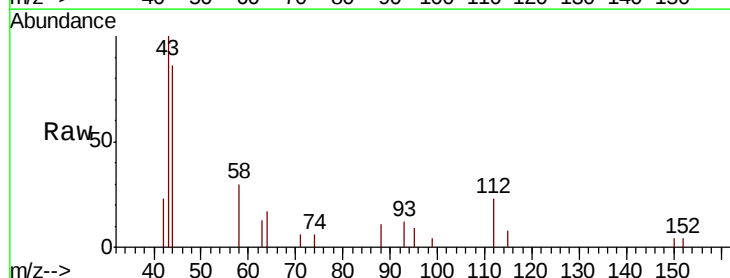
Tgt Ion:112 Resp: 1390

Ion Ratio Lower Upper

112 100

64 64.0 49.8 74.6

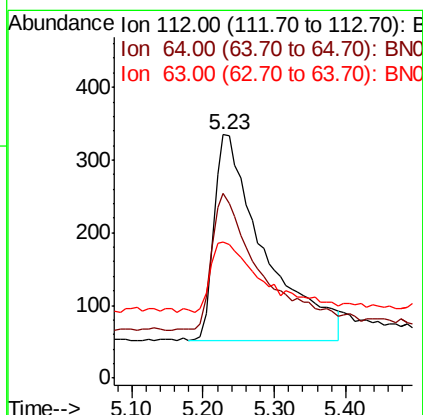
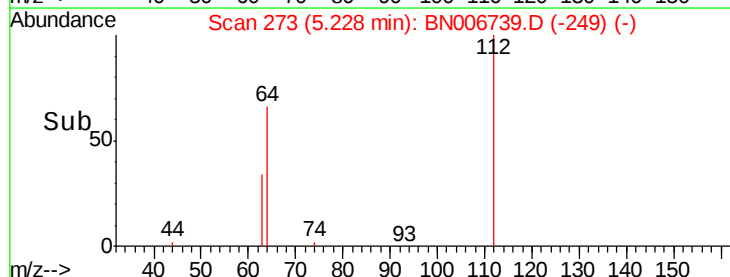
63 35.8 25.8 38.6

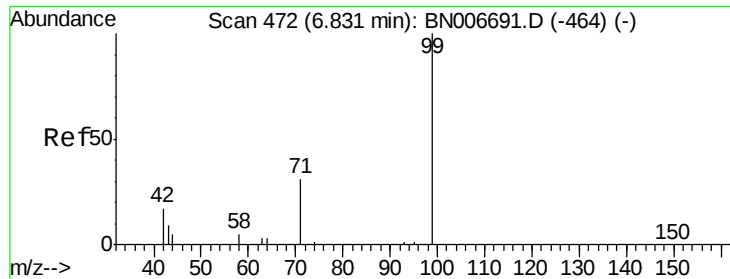


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.105 ng

RT: 6.83 min Scan# 472

Delta R.T. 0.00 min

Lab File: BN006739.D

Acq: 06 Jul 2019 05:17

Instrument :

BNA\_N

ClientSampleId :

MWHR2-6-070119

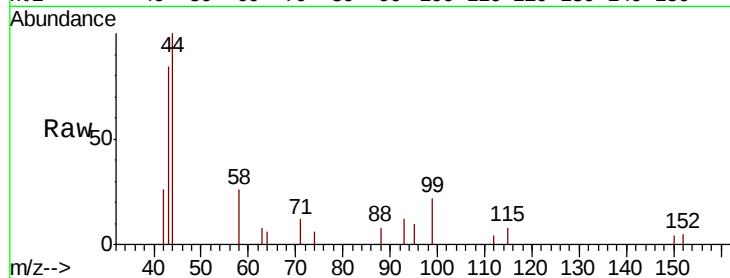
Tgt Ion: 99 Resp: 1076

Ion Ratio Lower Upper

99 100

42 32.2 16.6 25.0#

71 33.7 26.0 39.0



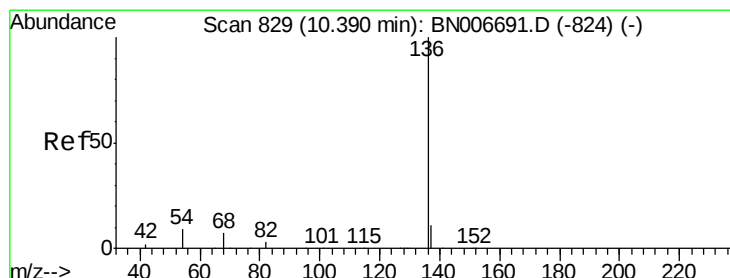
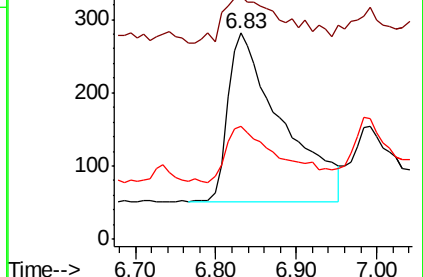
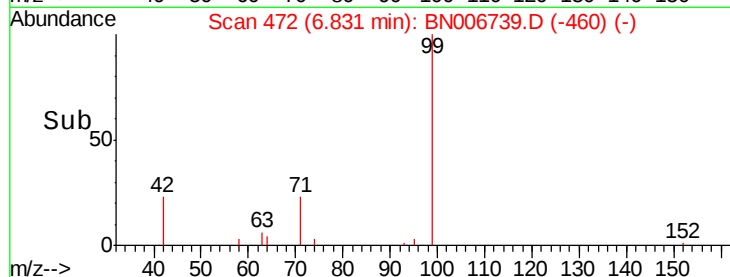
Abundance Ion 99.00 (98.70 to 99.70): BN006739.D (-460) (-)

Ion 42.00 (41.70 to 42.70): BN006739.D (-460) (-)

Ion 71.00 (70.70 to 71.70): BN006739.D (-460) (-)

6.83

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 828

Delta R.T. -0.01 min

Lab File: BN006739.D

Acq: 06 Jul 2019 05:17

Tgt Ion: 136 Resp: 11648

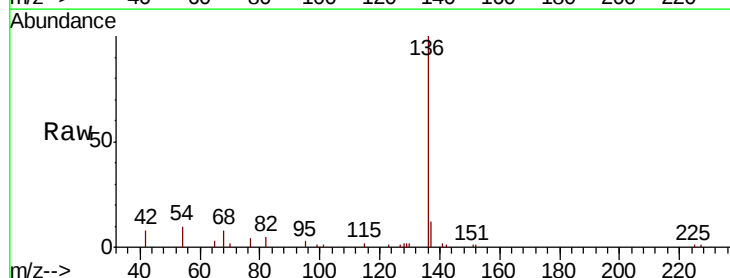
Ion Ratio Lower Upper

136 100

137 11.8 9.3 13.9

54 10.2 8.4 12.6

68 8.2 6.8 10.2



Abundance Ion 136.00 (135.70 to 136.70): BN006739.D (-813) (-)

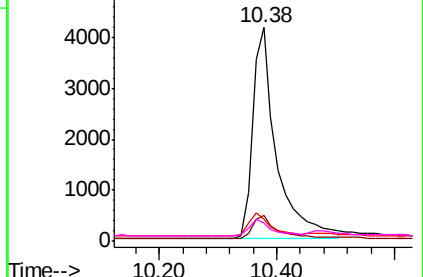
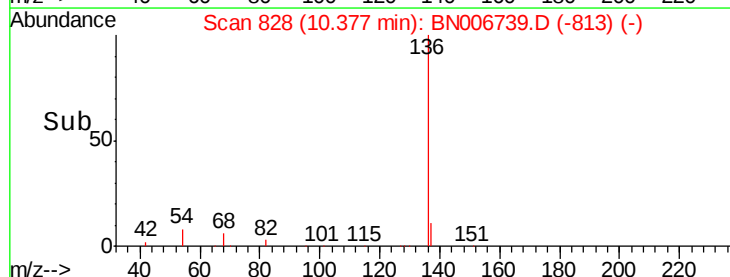
Ion 137.00 (136.70 to 137.70): BN006739.D (-813) (-)

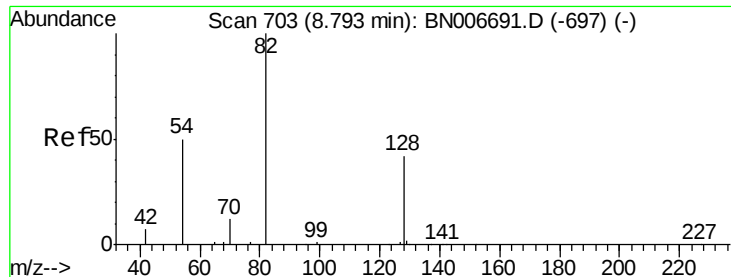
Ion 54.00 (53.70 to 54.70): BN006739.D (-813) (-)

Ion 68.00 (67.70 to 68.70): BN006739.D (-813) (-)

10.38

Time-->

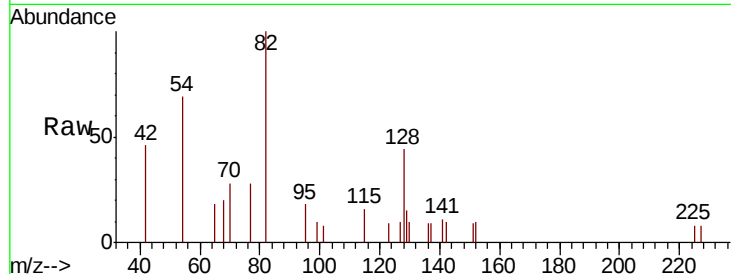




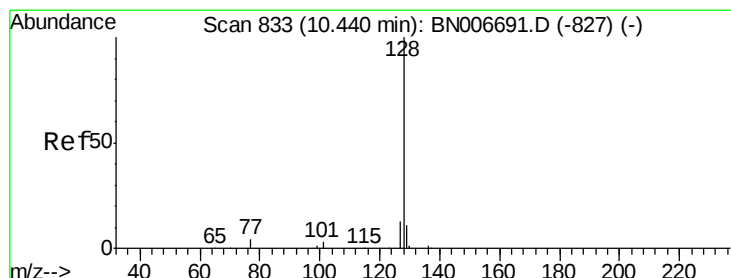
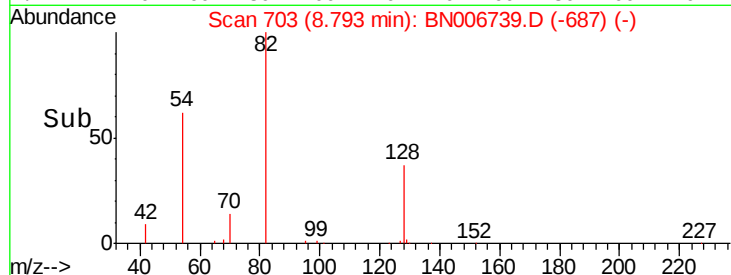
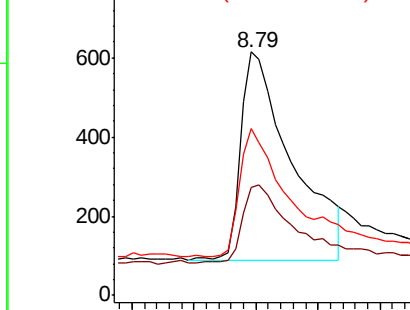
#8  
 Nitrobenzene-d5  
 Concen: 0.335 ng  
 RT: 8.79 min Scan# 703  
 Delta R.T. 0.00 min  
 Lab File: BN006739.D  
 Acq: 06 Jul 2019 05:17

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MWHR2-6-070119

Tgt Ion: 82 Resp: 2993  
 Ion Ratio Lower Upper  
 82 100  
 128 44.4 36.1 54.1  
 54 68.8 44.5 66.7#

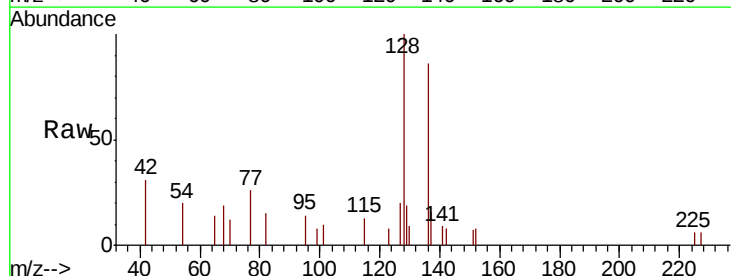


Abundance Ion 82.00 (81.70 to 82.70): BN0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BN0

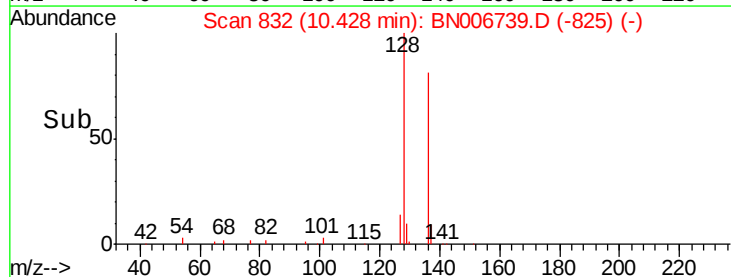
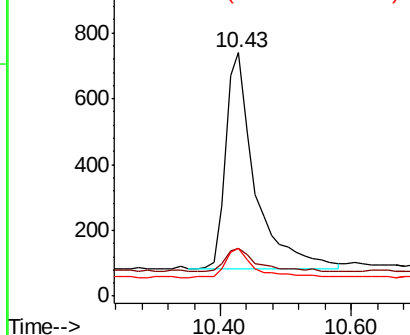


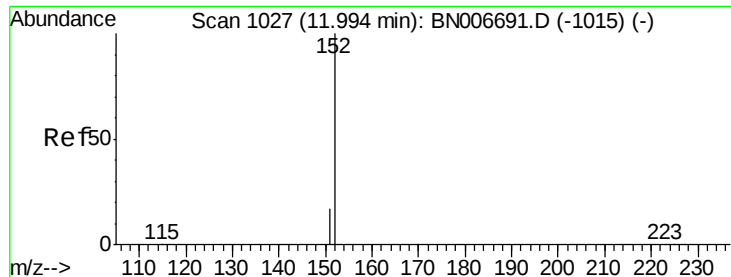
#9  
 Naphthalene  
 Concen: 0.064 ng  
 RT: 10.43 min Scan# 832  
 Delta R.T. -0.01 min  
 Lab File: BN006739.D  
 Acq: 06 Jul 2019 05:17

Tgt Ion: 128 Resp: 2029  
 Ion Ratio Lower Upper  
 128 100  
 129 19.5 9.6 14.4#  
 127 19.7 11.0 16.4#



Abundance Ion 128.00 (127.70 to 128.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 127.00 (126.70 to 127.70): E

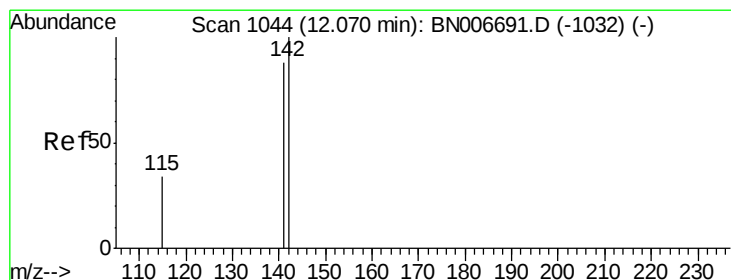
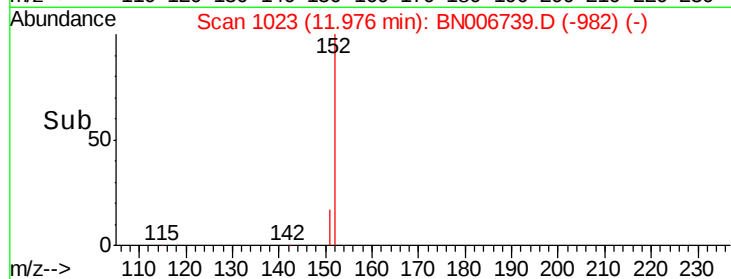
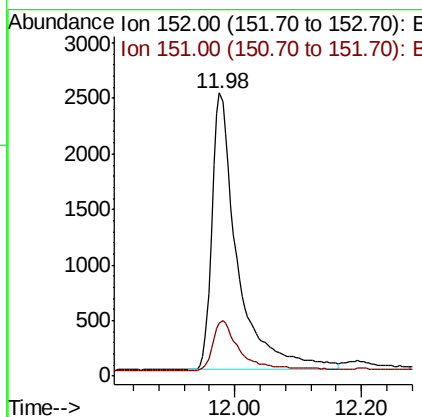
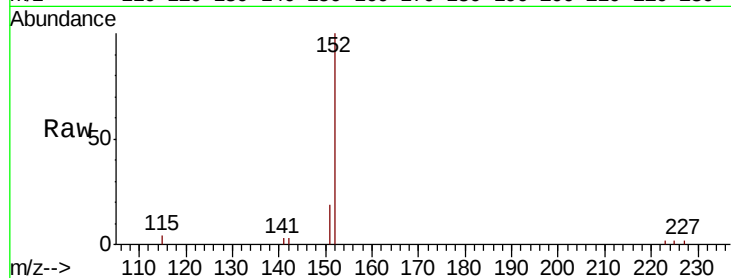




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.401 ng  
 RT: 11.98 min Scan# 1023  
 Delta R.T. -0.02 min  
 Lab File: BN006739.D  
 Acq: 06 Jul 2019 05:17

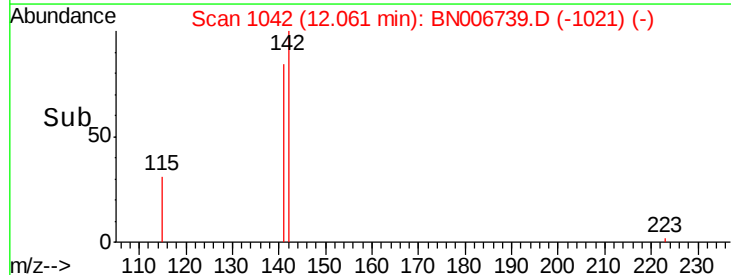
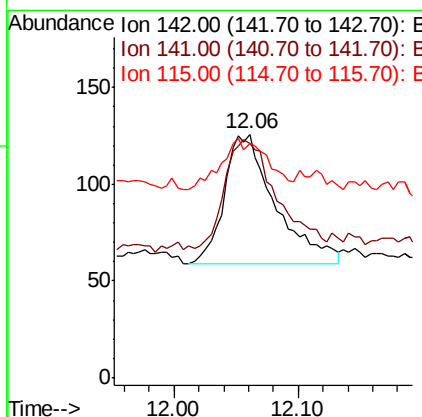
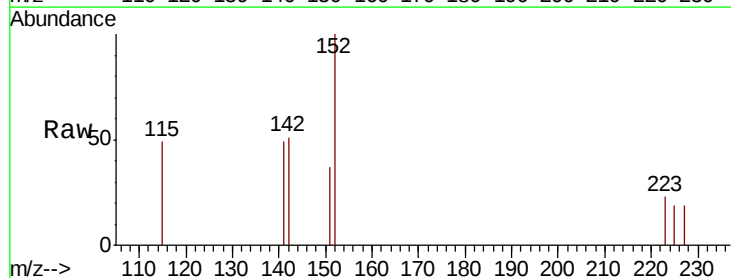
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MWHR2-6-070119

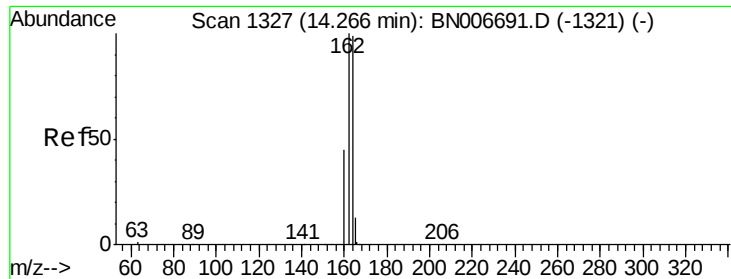
Tgt Ion:152 Resp: 7017  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 14.9 22.3



#12  
 2-Methylnaphthalene  
 Concen: Below Cal  
 RT: 12.06 min Scan# 1042  
 Delta R.T. -0.01 min  
 Lab File: BN006739.D  
 Acq: 06 Jul 2019 05:17

Tgt Ion:142 Resp: 190  
 Ion Ratio Lower Upper  
 142 100  
 141 96.0 70.3 105.5  
 115 96.0 28.9 43.3#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN006739.D

Acq: 06 Jul 2019 05:17

Instrument :

BNA\_N

ClientSampleId :

MWHR2-6-070119

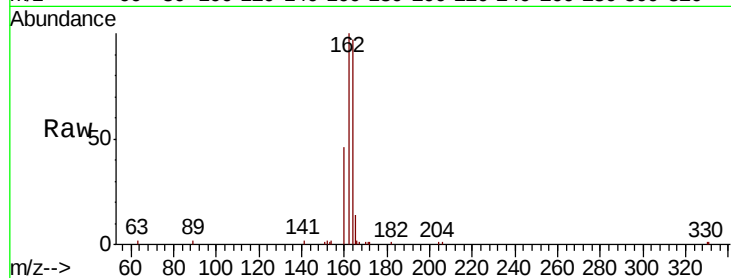
Tgt Ion:164 Resp: 7070

Ion Ratio Lower Upper

164 100

162 103.3 80.8 121.2

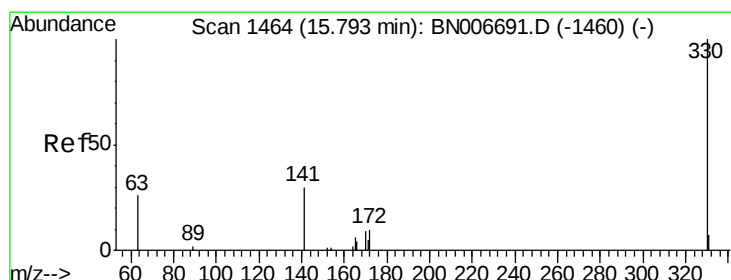
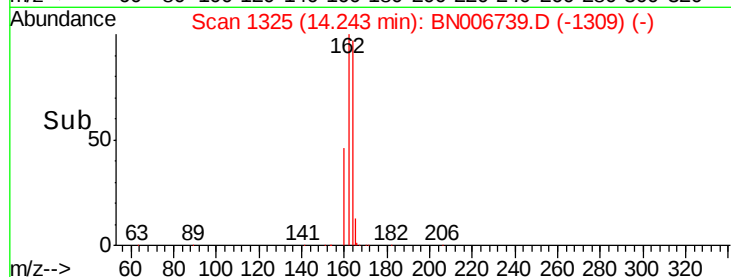
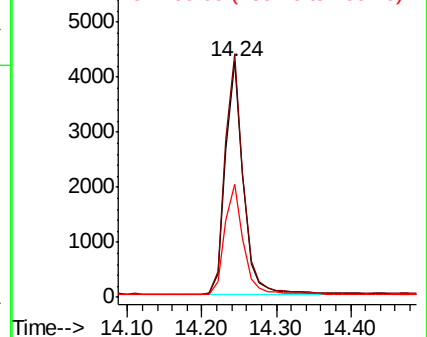
160 47.8 37.0 55.6



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: 0.369 ng

RT: 15.77 min Scan# 1462

Delta R.T. -0.02 min

Lab File: BN006739.D

Acq: 06 Jul 2019 05:17

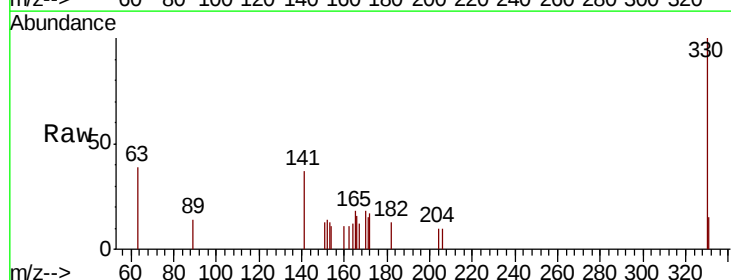
Tgt Ion:330 Resp: 1284

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

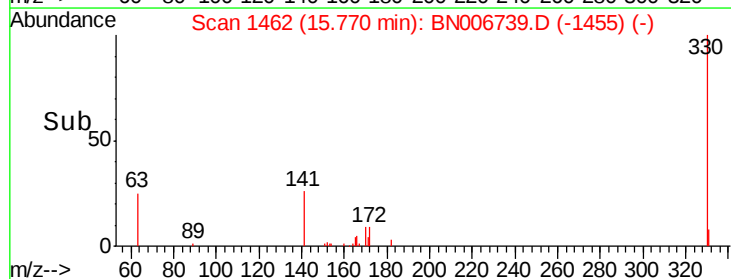
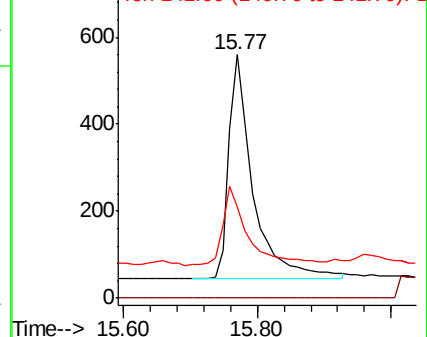
141 37.2 24.8 37.2#

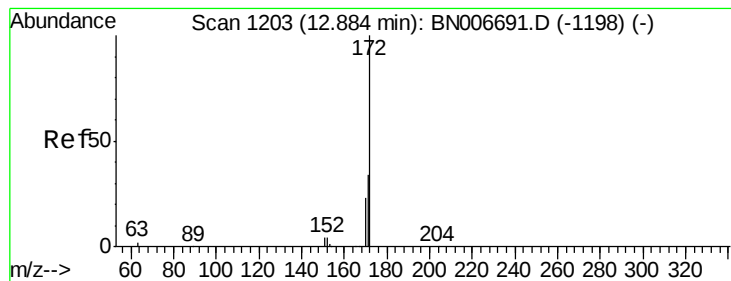


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.411 ng

RT: 12.86 min Scan# 1201

Delta R.T. -0.02 min

Lab File: BN006739.D

Acq: 06 Jul 2019 05:17

Instrument :

BNA\_N

ClientSampleId :

MWHR2-6-070119

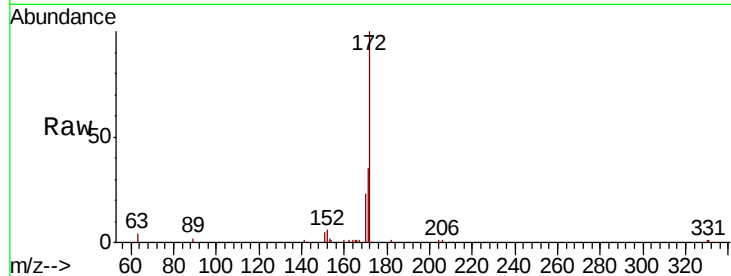
Tgt Ion:172 Resp: 11358

Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

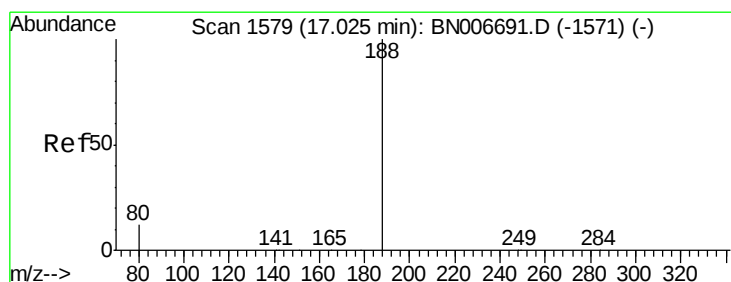
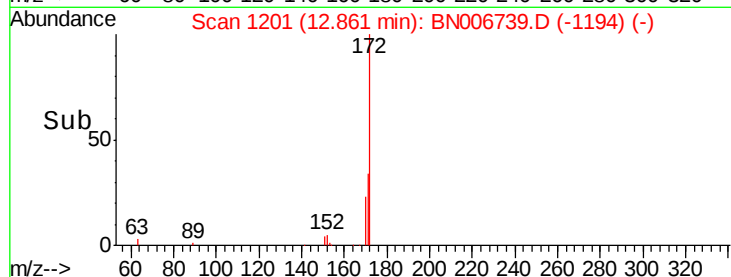
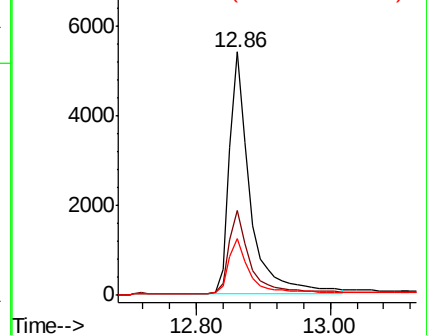
170 23.3 18.9 28.3



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: 17.00 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BN006739.D

Acq: 06 Jul 2019 05:17

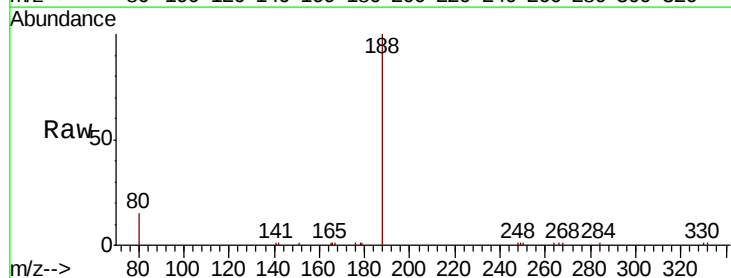
Tgt Ion:188 Resp: 16407

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

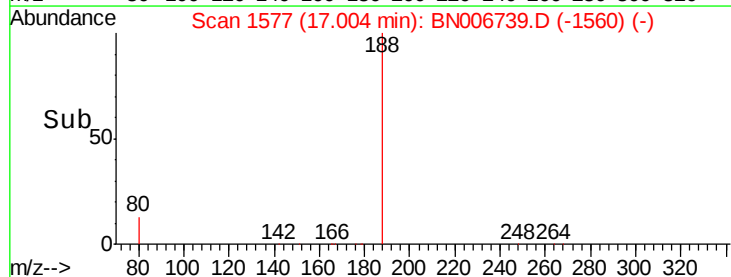
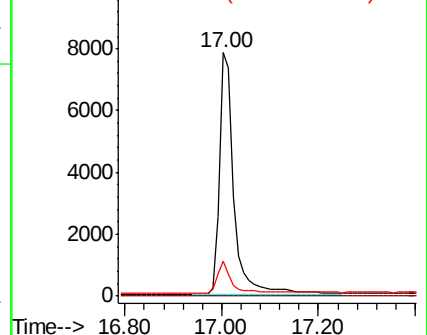
80 14.6 10.3 15.5

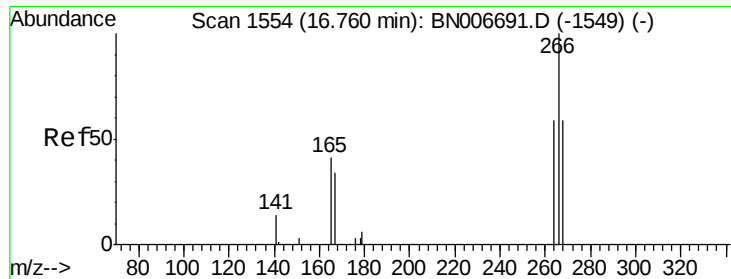


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

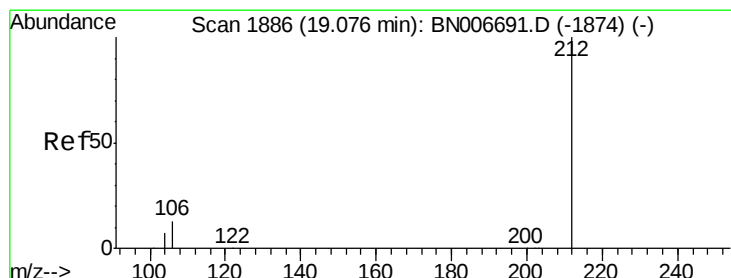
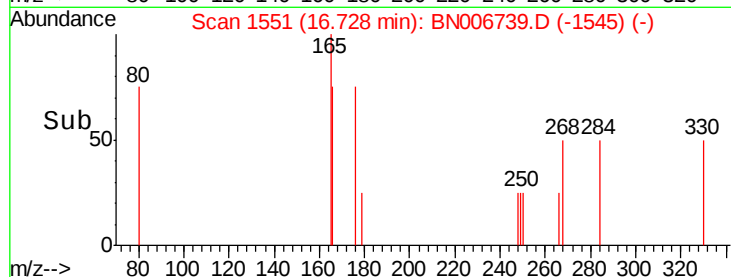
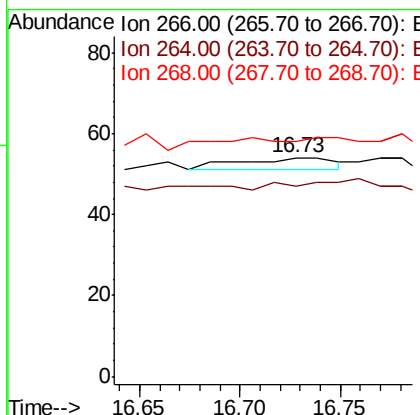
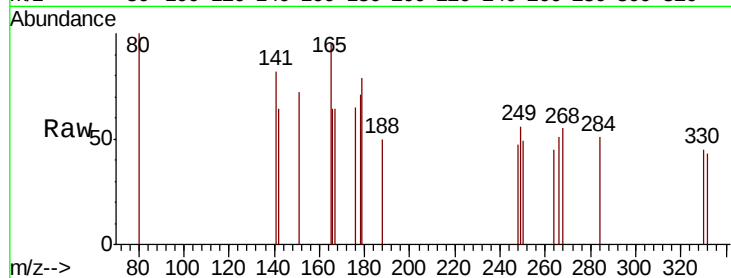




#22  
 Pentachlorophenol  
 Concen: 0.117 ng  
 RT: 16.73 min Scan# 1551  
 Delta R.T. -0.03 min  
 Lab File: BN006739.D  
 Acq: 06 Jul 2019 05:17

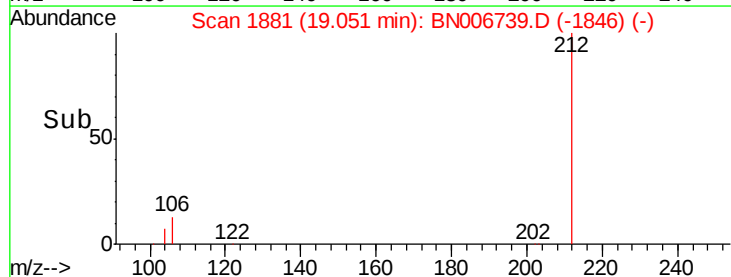
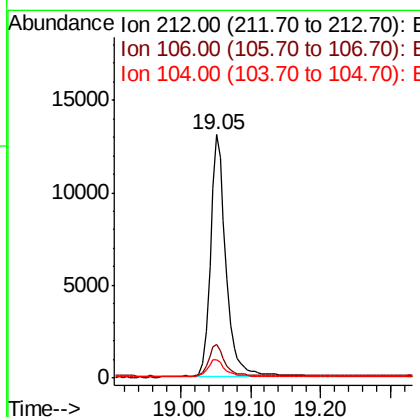
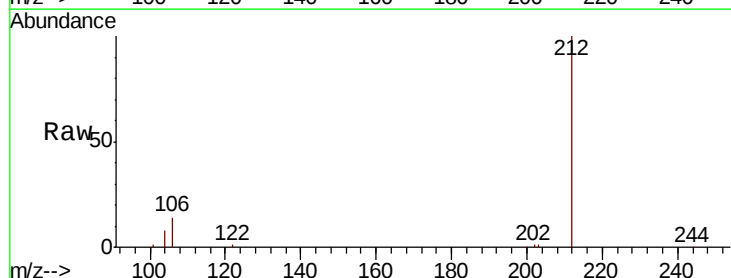
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MWHR2-6-070119

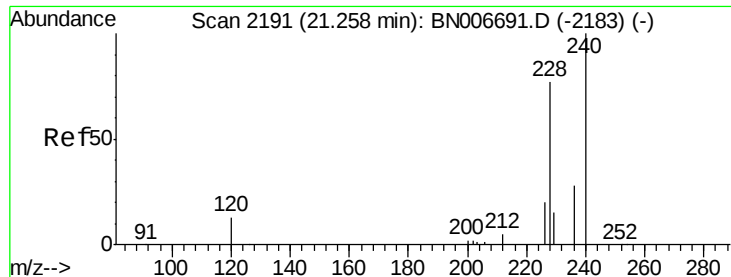
Tgt Ion: 266 Resp: 10  
 Ion Ratio Lower Upper  
 266 100  
 264 87.0 57.6 86.4#  
 268 107.4 66.6 99.8#



#25  
 Fluoranthene-d10  
 Concen: 0.431 ng  
 RT: 19.05 min Scan# 1881  
 Delta R.T. -0.02 min  
 Lab File: BN006739.D  
 Acq: 06 Jul 2019 05:17

Tgt Ion: 212 Resp: 20249  
 Ion Ratio Lower Upper  
 212 100  
 106 13.1 11.0 16.6  
 104 7.5 6.1 9.1

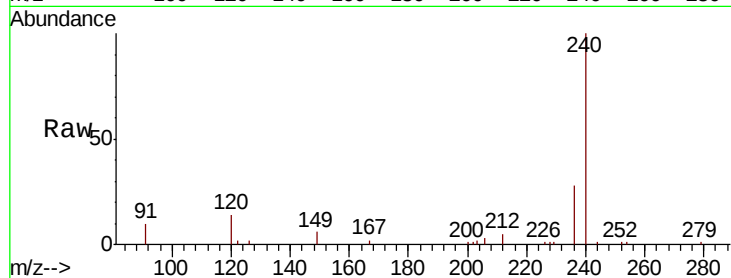




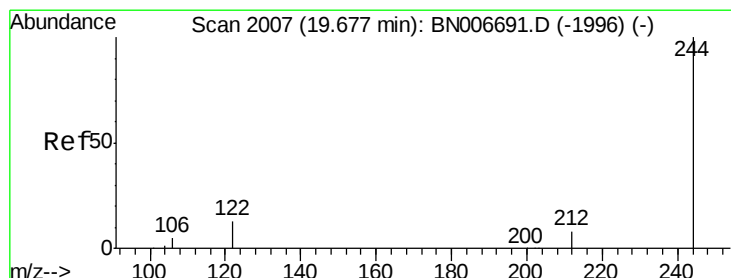
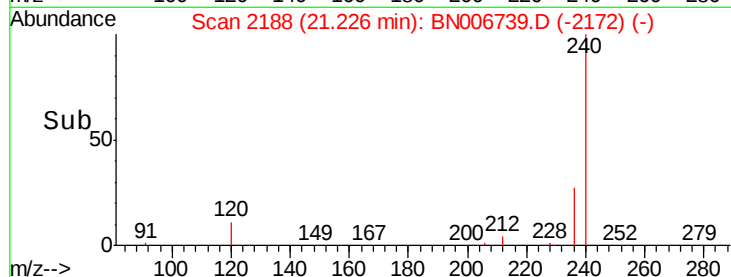
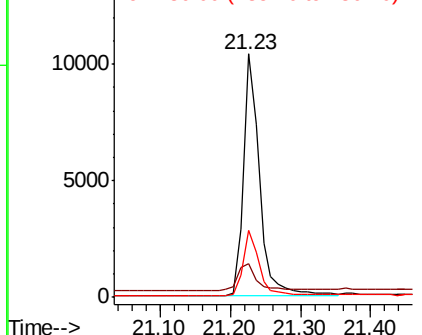
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.23 min Scan# 2188  
 Delta R.T. -0.03 min  
 Lab File: BN006739.D  
 Acq: 06 Jul 2019 05:17

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MWHR2-6-070119

Tgt Ion:240 Resp: 16373  
 Ion Ratio Lower Upper  
 240 100  
 120 13.8 12.9 19.3  
 236 27.7 23.2 34.8

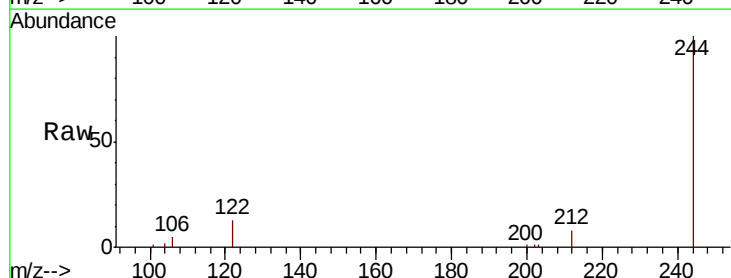


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

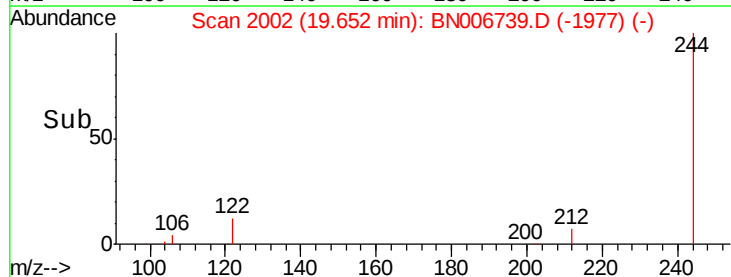
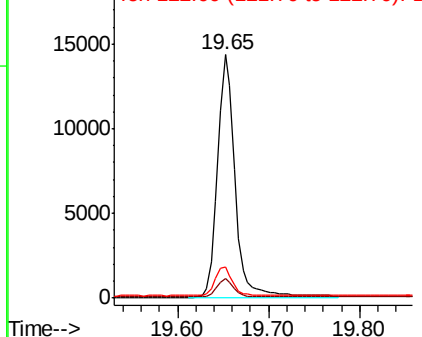


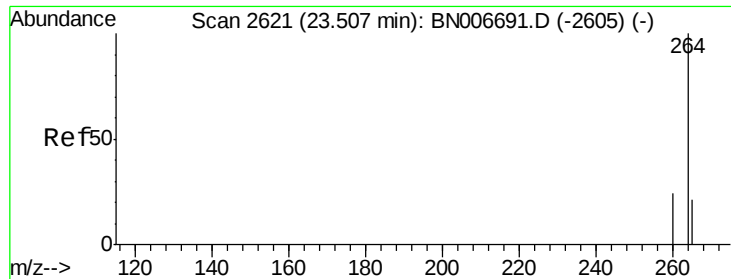
#29  
 Terphenyl-d14  
 Concen: 0.503 ng  
 RT: 19.65 min Scan# 2002  
 Delta R.T. -0.02 min  
 Lab File: BN006739.D  
 Acq: 06 Jul 2019 05:17

Tgt Ion:244 Resp: 18947  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 7.0 10.4  
 122 12.7 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: BN006739.D  
 Acq: 06 Jul 2019 05:17

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MWHR2-6-070119

Tgt Ion: 264 Resp: 18756  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 20.2 30.2  
 265 31.0 33.7 50.5#

