

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\  
 Data File : BM022421.D  
 Acq On : 29 Aug 2019 23:13  
 Operator : HP/JU  
 Sample : K4573-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 S700B-N-1.0-1.5-082719

Quant Time: Aug 30 08:20:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 16:51:32 2019  
 Response via : Initial Calibration

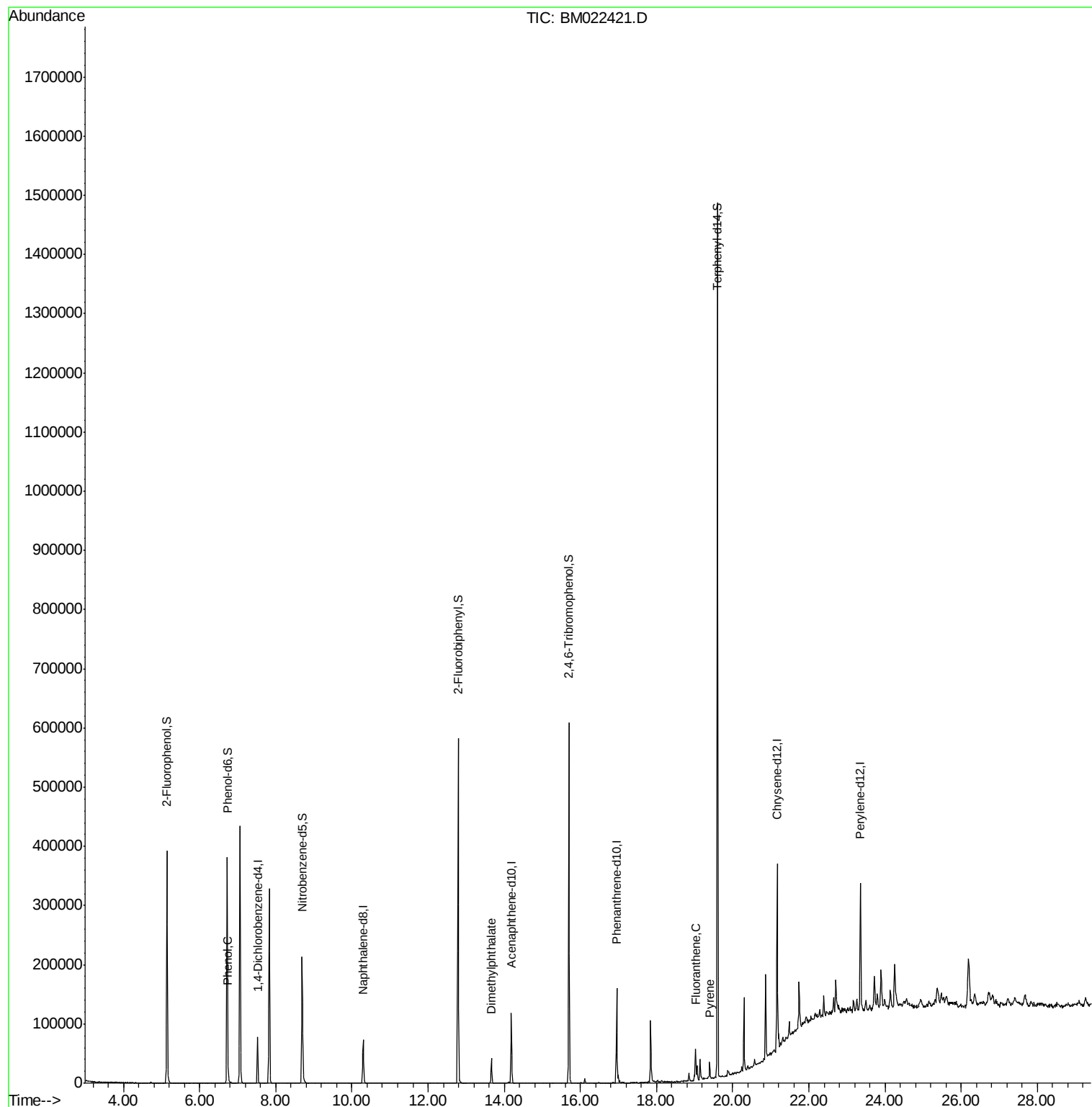
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.52  | 152  | 17229    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.30 | 136  | 60743    | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10        | 14.19 | 164  | 38954    | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10        | 16.95 | 188  | 86494    | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12            | 21.17 | 240  | 122674   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12            | 23.36 | 264  | 147725   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.15  | 112  | 134498   | 137.03 | ng    | 0.00        |
| 7) Phenol-d6                | 6.72  | 99   | 170128   | 129.62 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 8.69  | 82   | 119763   | 86.36  | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol    | 15.70 | 330  | 96688    | 121.30 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 12.79 | 172  | 261196   | 75.96  | ng    | 0.00        |
| 79) Terphenyl-d14           | 19.60 | 244  | 571187   | 61.45  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.75  | 94   | 3251     | 2.465  | ng    | Qvalue # 69 |
| 50) Dimethylphthalate       | 13.66 | 163  | 28474    | 8.404  | ng    | 99          |
| 75) Fluoranthene            | 19.03 | 202  | 20888    | 3.111  | ng    | 94          |
| 78) Pyrene                  | 19.39 | 202  | 18374    | 2.198  | ng    | 96          |

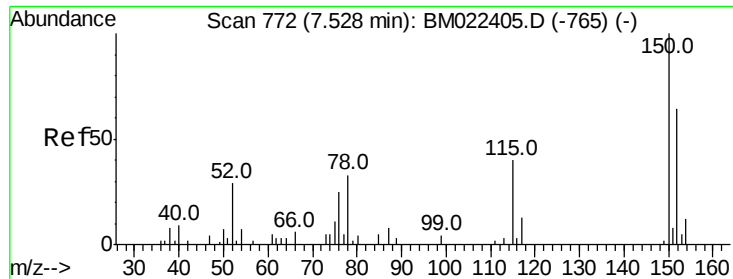
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\  
Data File : BM022421.D  
Acq On : 29 Aug 2019 23:13  
Operator : HP/JU  
Sample : K4573-02  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
S700B-N-1.0-1.5-082719

Quant Time: Aug 30 08:20:10 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 29 16:51:32 2019  
Response via : Initial Calibration



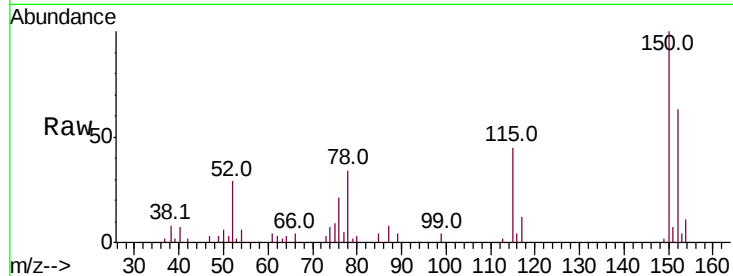


#1

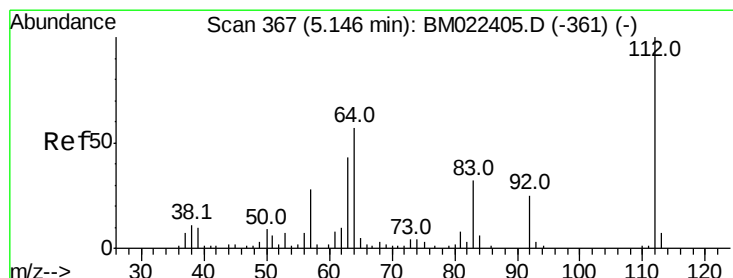
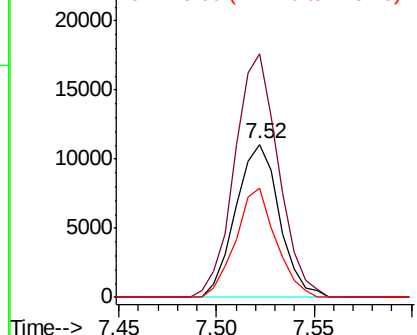
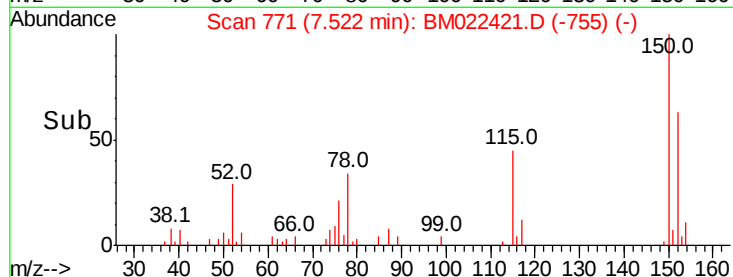
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.52 min Scan# 771  
 Delta R.T. -0.01 min  
 Lab File: BM022421.D  
 Acq: 29 Aug 2019 23:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 S700B-N-1.0-1.5-082719

Tot Ion:152 Resp: 17229  
 Ion Ratio Lower Upper  
 152 100  
 150 159.3 125.4 188.0  
 115 71.3 50.3 75.5



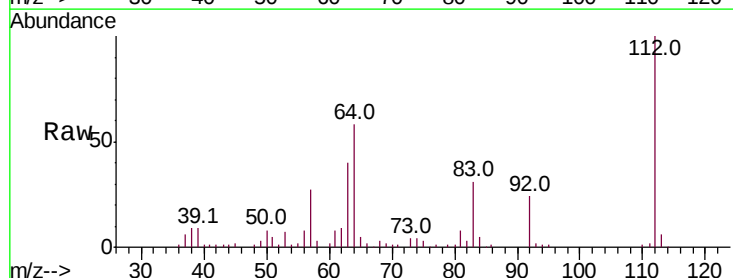
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



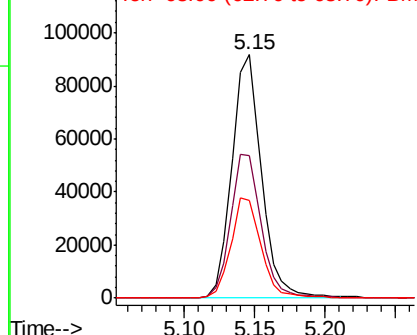
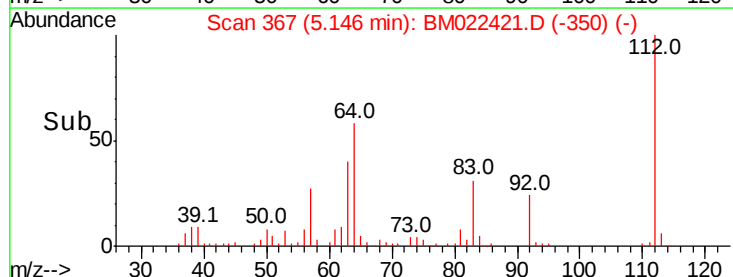
#5

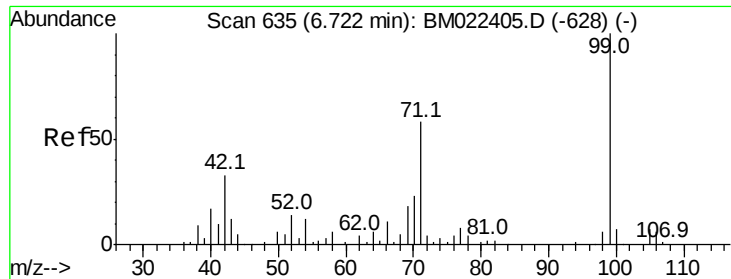
2-Fluorophenol  
 Concen: 137.030 ng  
 RT: 5.15 min Scan# 367  
 Delta R.T. -0.00 min  
 Lab File: BM022421.D  
 Acq: 29 Aug 2019 23:13

Tgt Ion:112 Resp: 134498  
 Ion Ratio Lower Upper  
 112 100  
 64 58.5 45.4 68.2  
 63 40.1 34.5 51.7



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BM0  
 Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 129.616 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022421.D

Acq: 29 Aug 2019 23:13

Instrument :

BNA\_M

ClientSampleId :

S700B-N-1.0-1.5-082719

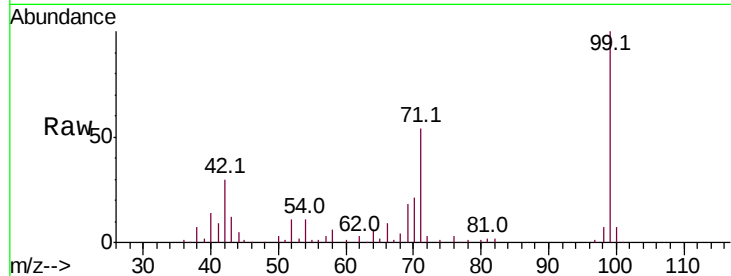
Tot Ion: 99 Resp: 170128

Ion Ratio Lower Upper

99 100

42 29.6 26.3 39.5

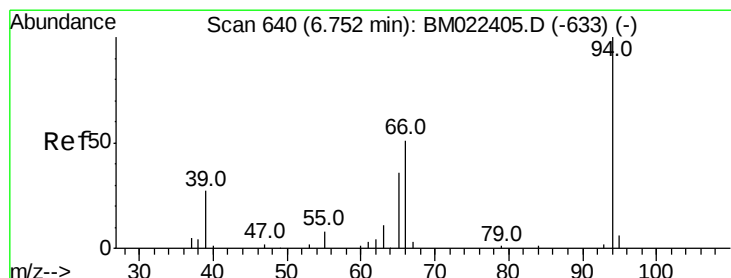
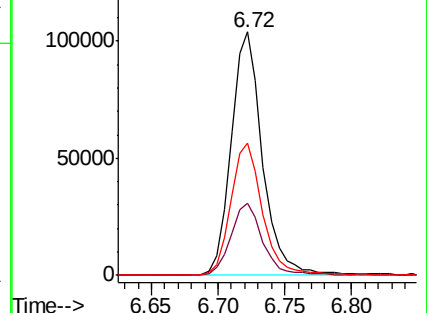
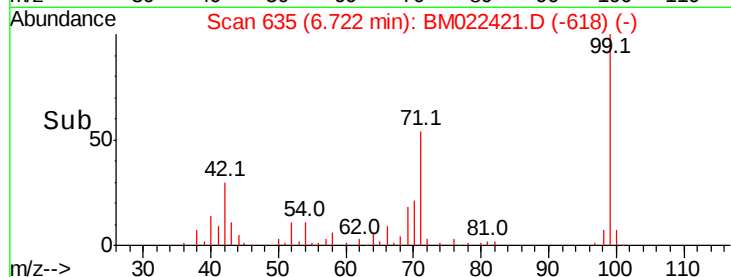
71 54.2 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022405.D (-628) (-)

Ion 42.00 (41.70 to 42.70): BM022405.D (-628) (-)

Ion 71.00 (70.70 to 71.70): BM022405.D (-628) (-)



#10

Phenol

Concen: 2.465 ng

RT: 6.75 min Scan# 639

Delta R.T. -0.01 min

Lab File: BM022421.D

Acq: 29 Aug 2019 23:13

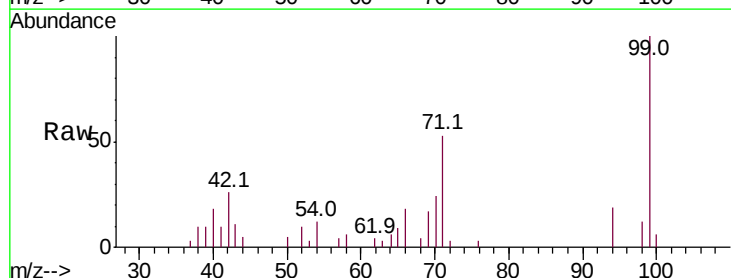
Tgt Ion: 94 Resp: 3251

Ion Ratio Lower Upper

94 100

65 45.6 17.7 57.7

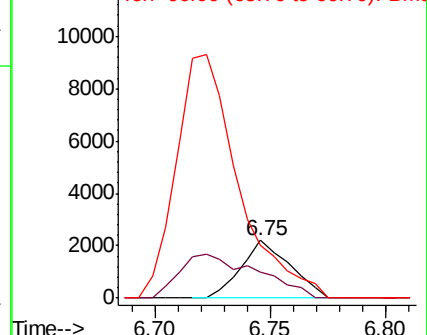
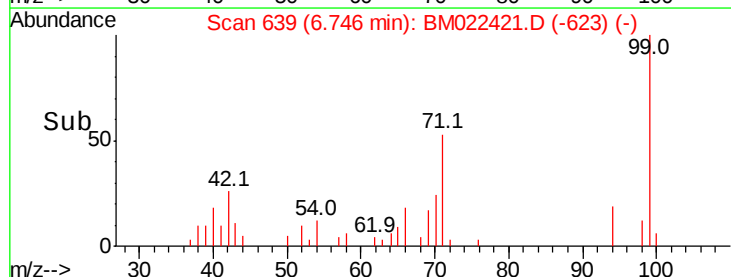
66 91.6 39.6 79.6#

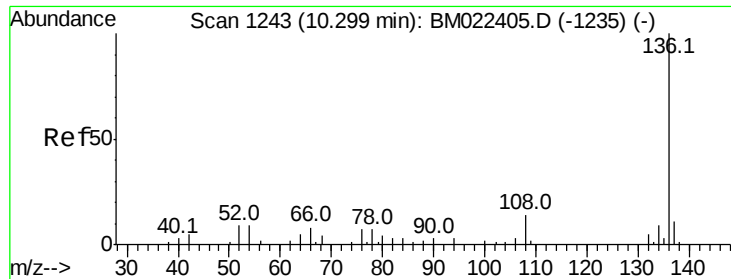


Abundance Ion 94.00 (93.70 to 94.70): BM022405.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BM022405.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BM022405.D (-633) (-)

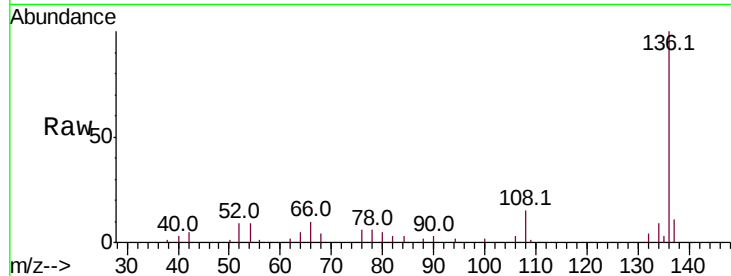




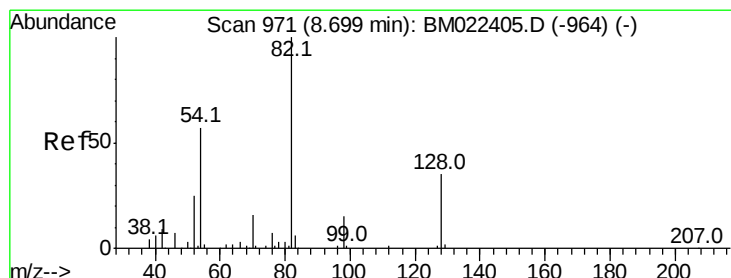
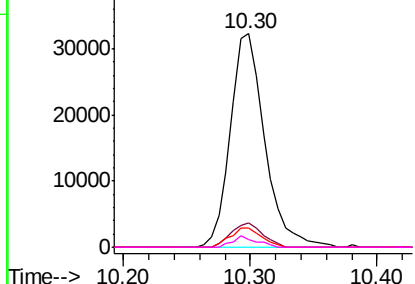
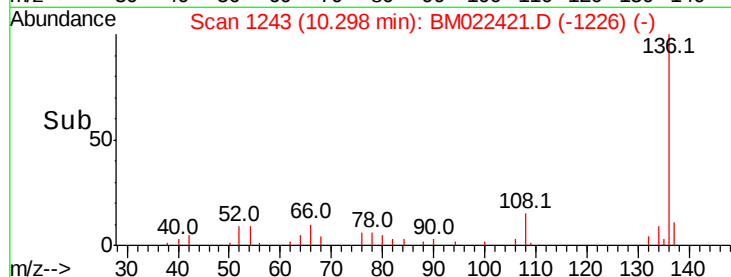
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.30 min Scan# 1243  
Delta R.T. -0.00 min  
Lab File: BM022421.D  
Acq: 29 Aug 2019 23:13

Instrument :  
BNA\_M  
ClientSampleId :  
S700B-N-1.0-1.5-082719

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 60743    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.6 13.0 |
| 54          | 8.9   | 7.0 10.6 |
| 68          | 3.7   | 2.9 4.3  |

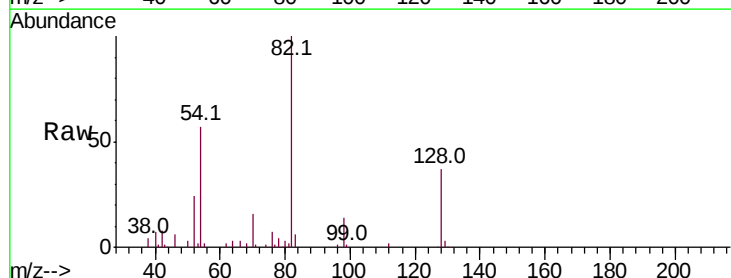


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

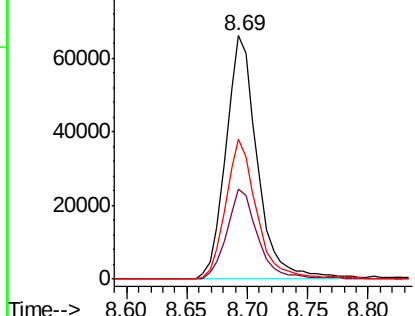
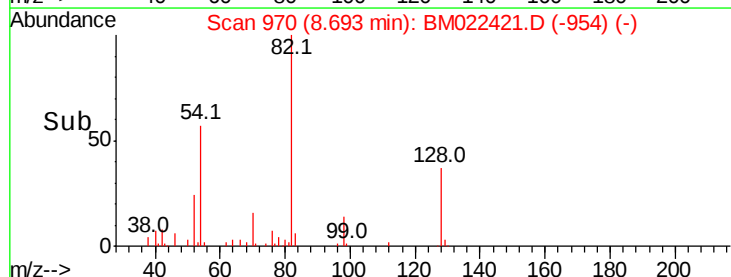


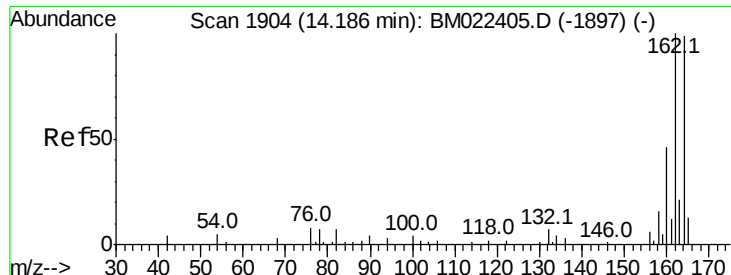
#23  
Nitrobenzene-d5  
Concen: 86.358 ng  
RT: 8.69 min Scan# 970  
Delta R.T. -0.01 min  
Lab File: BM022421.D  
Acq: 29 Aug 2019 23:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 119763    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 37.0  | 27.9 41.9 |
| 54          | 57.3  | 45.2 67.8 |



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.19 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BM022421.D

Acq: 29 Aug 2019 23:13

Instrument :

BNA\_M

ClientSampleId :

S700B-N-1.0-1.5-082719

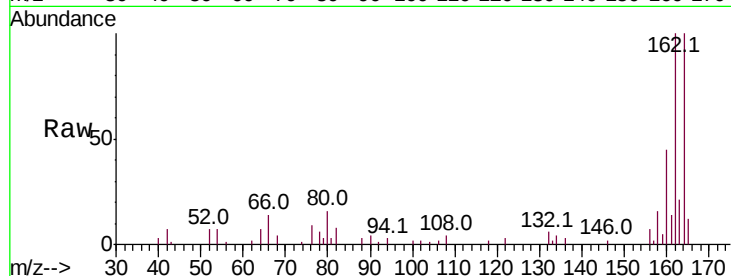
Tot Ion:164 Resp: 38954

Ion Ratio Lower Upper

164 100

162 100.2 80.6 121.0

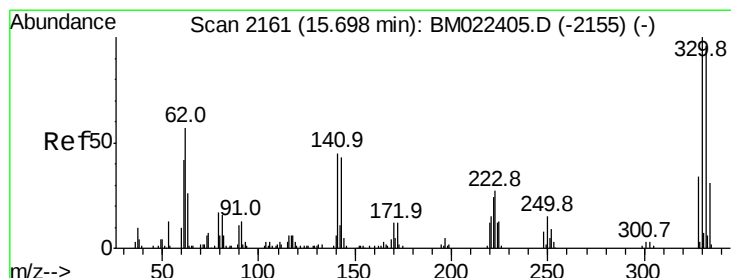
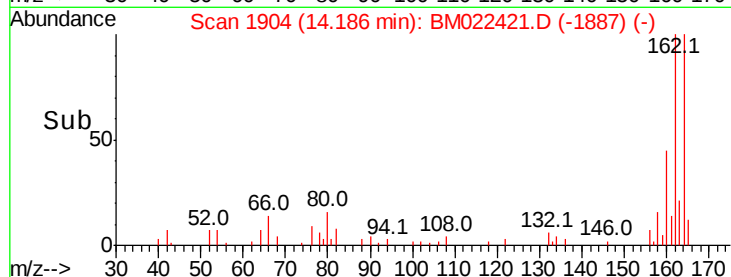
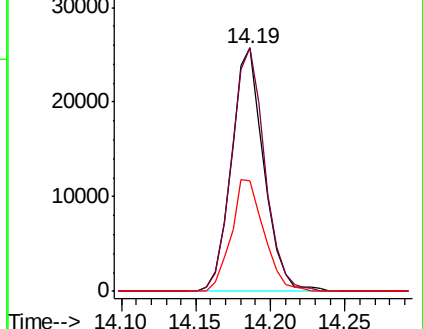
160 45.3 37.3 55.9



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



#42

2,4,6-Tribromophenol

Concen: 121.299 ng

RT: 15.70 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BM022421.D

Acq: 29 Aug 2019 23:13

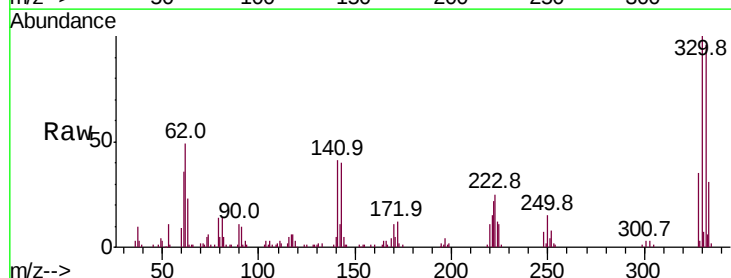
Tgt Ion:330 Resp: 96688

Ion Ratio Lower Upper

330 100

332 96.1 77.8 116.8

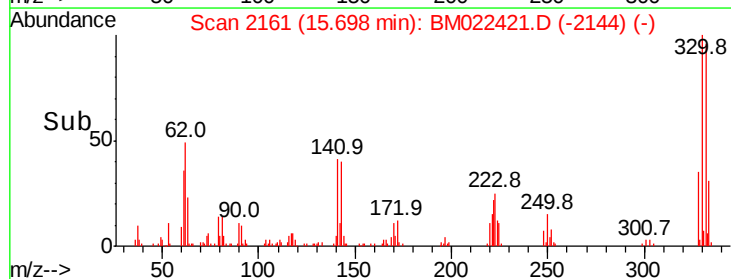
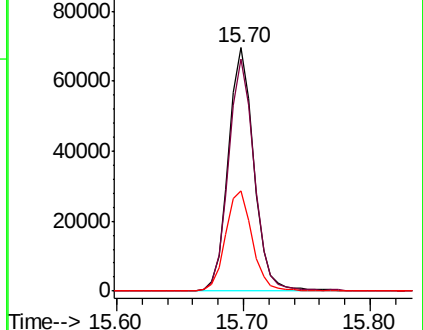
141 43.1 35.6 53.4

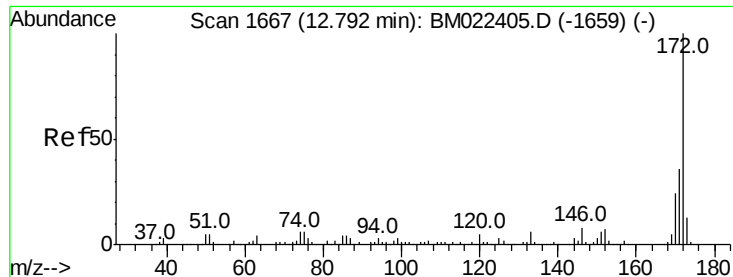


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 75.960 ng

RT: 12.79 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BM022421.D

Acq: 29 Aug 2019 23:13

Instrument :

BNA\_M

ClientSampleId :

S700B-N-1.0-1.5-082719

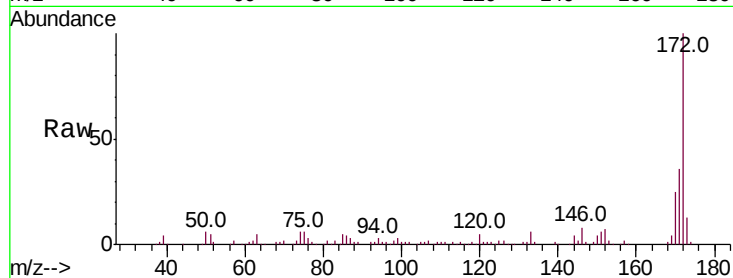
Tot Ion:172 Resp: 261196

Ion Ratio Lower Upper

172 100

171 36.4 28.5 42.7

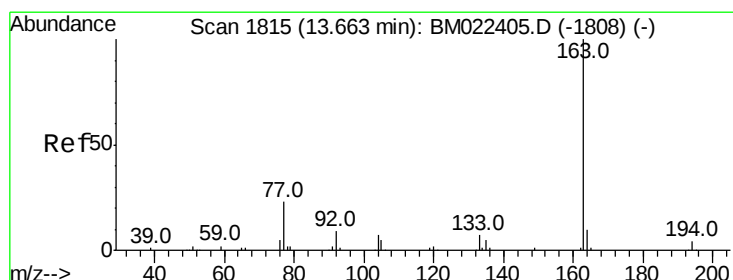
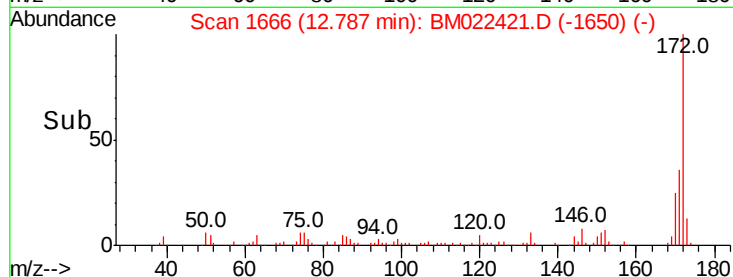
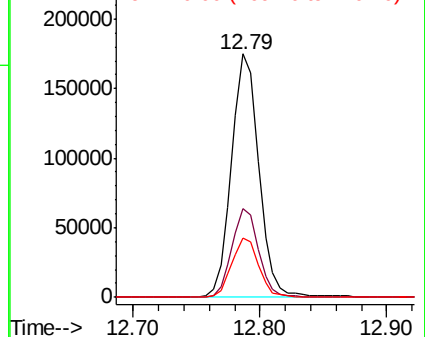
170 24.6 18.9 28.3



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



#50

Dimethylphthalate

Concen: 8.404 ng

RT: 13.66 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BM022421.D

Acq: 29 Aug 2019 23:13

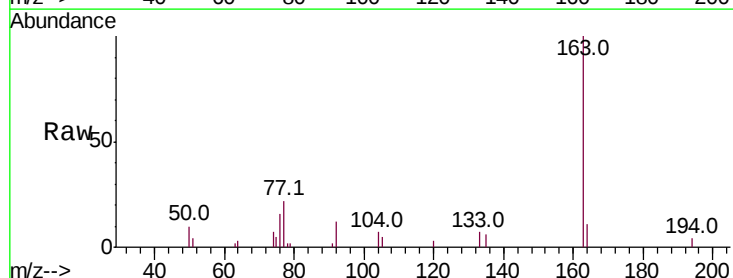
Tgt Ion:163 Resp: 28474

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

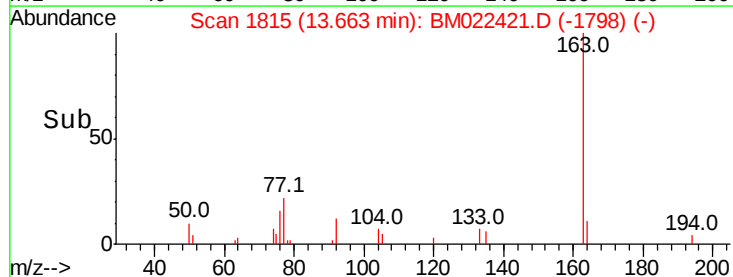
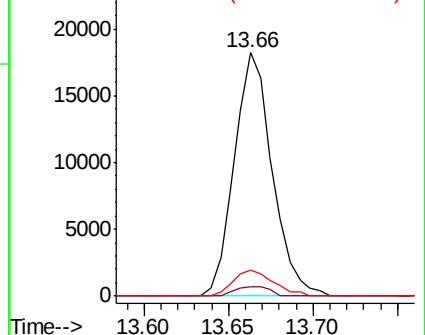
164 10.6 8.2 12.2

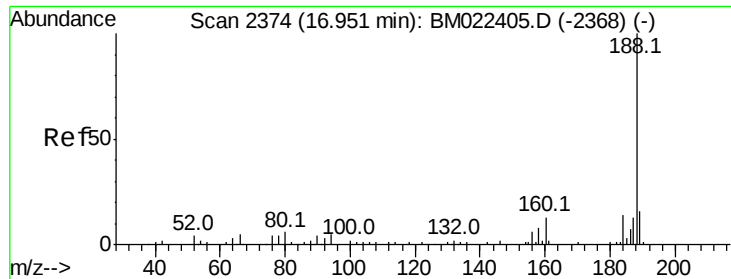


Abundance Ion 163.00 (162.70 to 163.70): E

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: 16.95 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM022421.D

Acq: 29 Aug 2019 23:13

Instrument :

BNA\_M

ClientSampleId :

S700B-N-1.0-1.5-082719

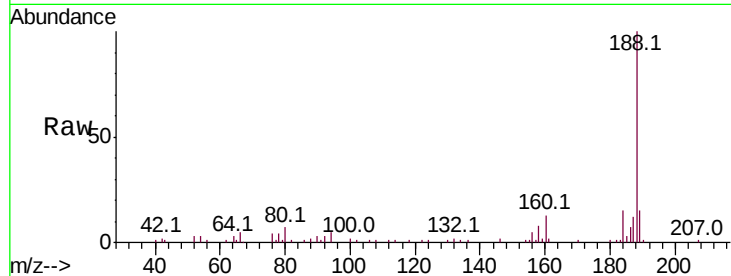
Tot Ion:188 Resp: 86494

Ion Ratio Lower Upper

188 100

94 5.3 4.4 6.6

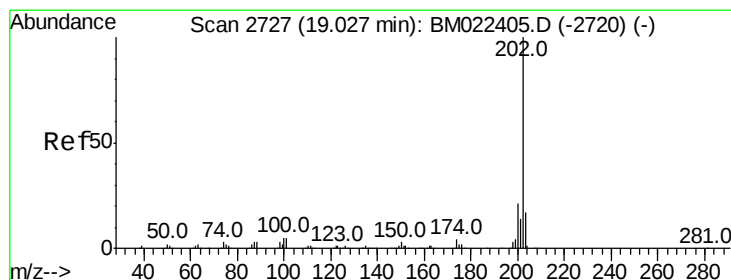
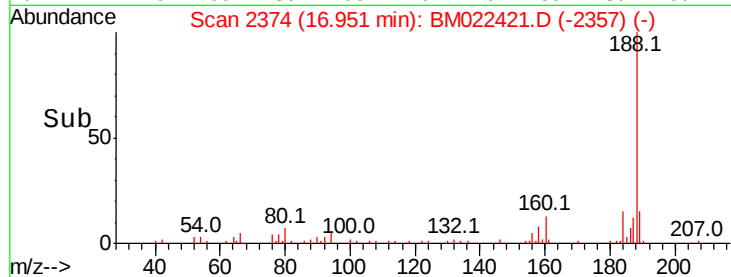
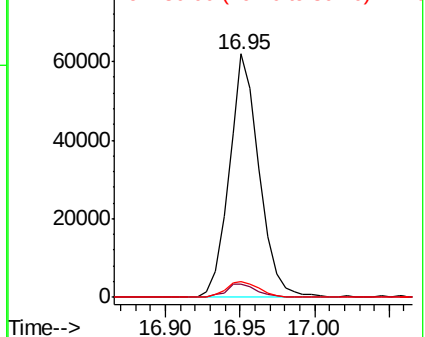
80 6.6 5.0 7.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#75

Fluoranthene

Concen: 3.111 ng

RT: 19.03 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM022421.D

Acq: 29 Aug 2019 23:13

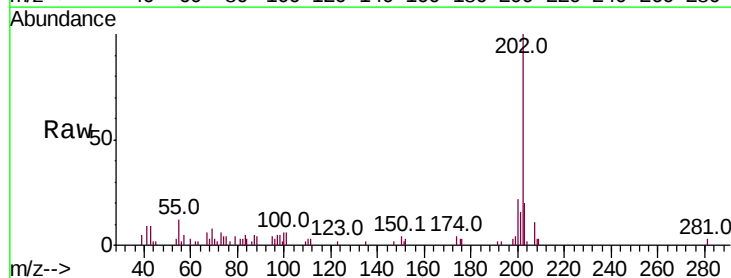
Tgt Ion:202 Resp: 20888

Ion Ratio Lower Upper

202 100

101 6.3 0.0 25.1

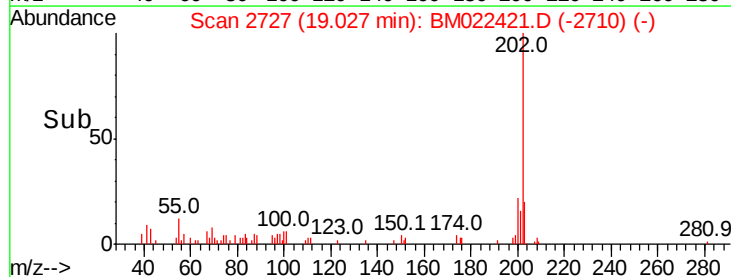
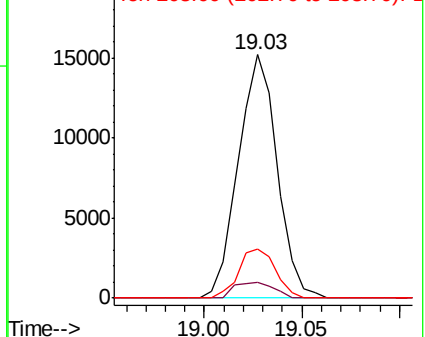
203 19.9 0.0 37.1

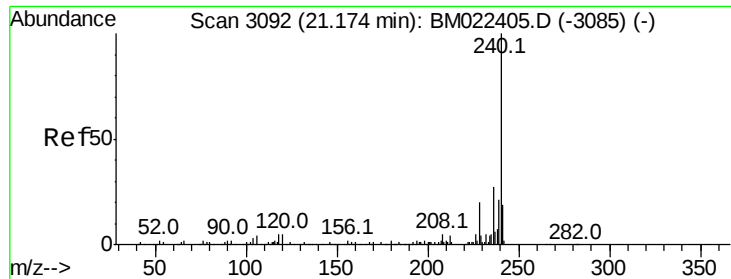


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

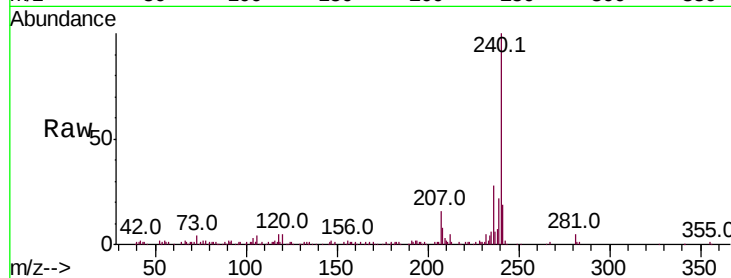




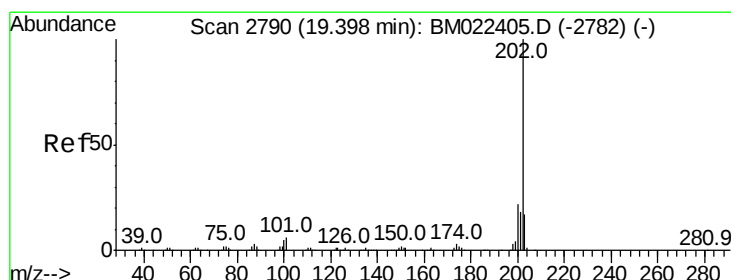
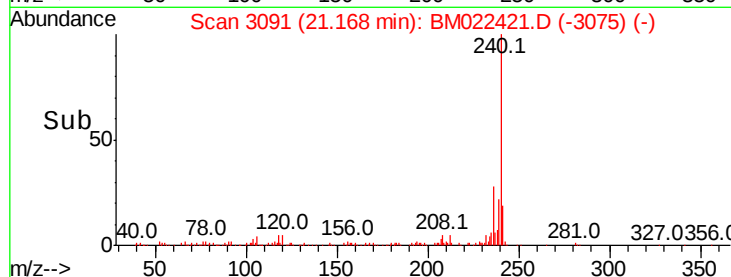
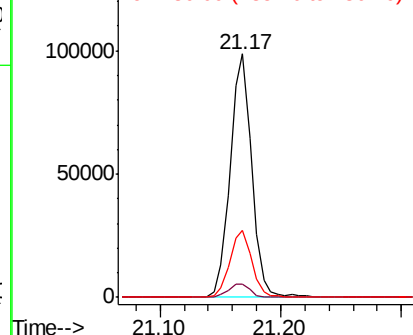
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.17 min Scan# 3091  
Delta R.T. -0.01 min  
Lab File: BM022421.D  
Acq: 29 Aug 2019 23:13

Instrument :  
BNA\_M  
ClientSampleId :  
S700B-N-1.0-1.5-082719

Tot Ion:240 Resp: 122674  
Ion Ratio Lower Upper  
240 100  
120 5.3 3.9 5.9  
236 27.6 21.4 32.2

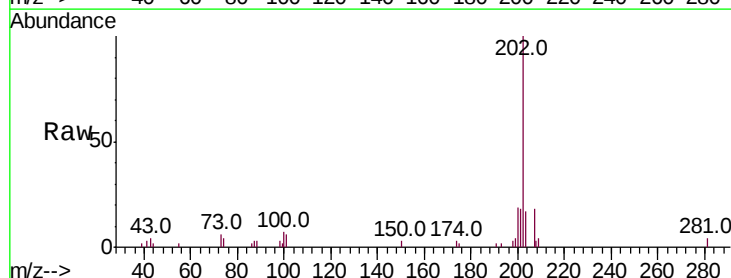


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

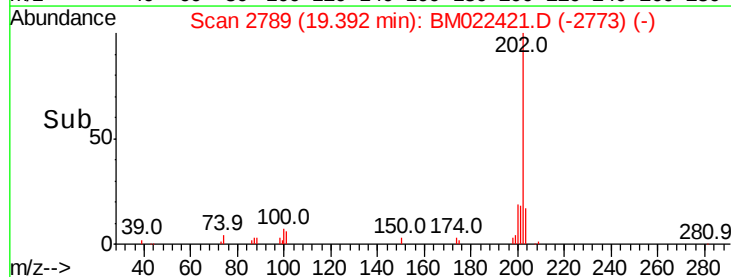
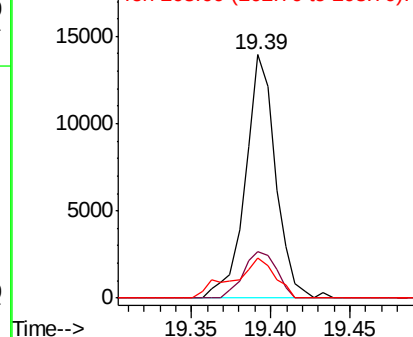


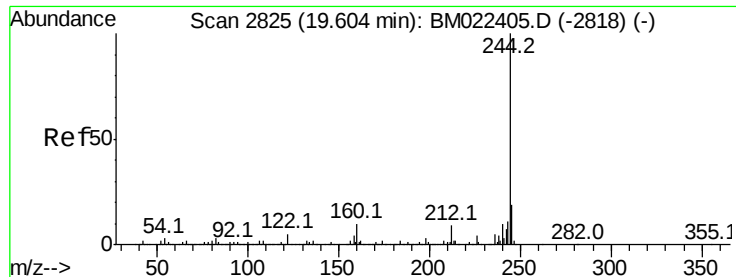
#78  
Pyrene  
Concen: 2.198 ng  
RT: 19.39 min Scan# 2789  
Delta R.T. -0.01 min  
Lab File: BM022421.D  
Acq: 29 Aug 2019 23:13

Tgt Ion:202 Resp: 18374  
Ion Ratio Lower Upper  
202 100  
200 19.3 17.7 26.5  
203 16.6 13.8 20.8



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: 61.449 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022421.D

Acq: 29 Aug 2019 23:13

Instrument :

BNA\_M

ClientSampleId :

S700B-N-1.0-1.5-082719

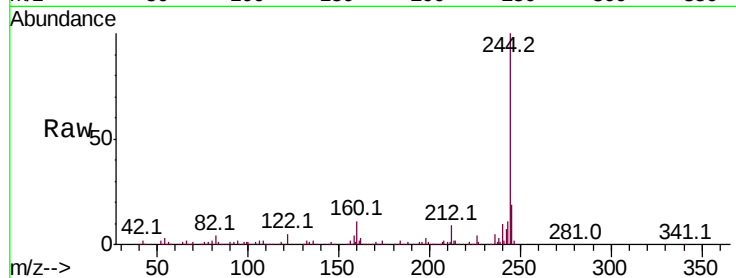
Tot Ion:244 Resp: 571187

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.4

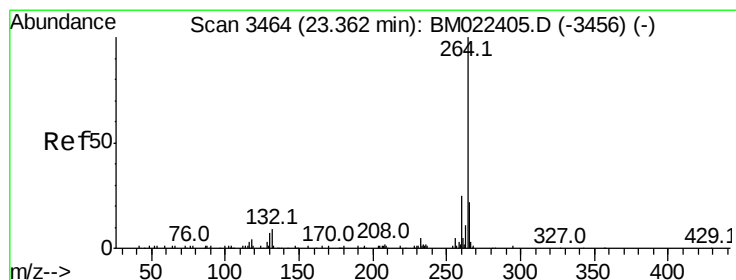
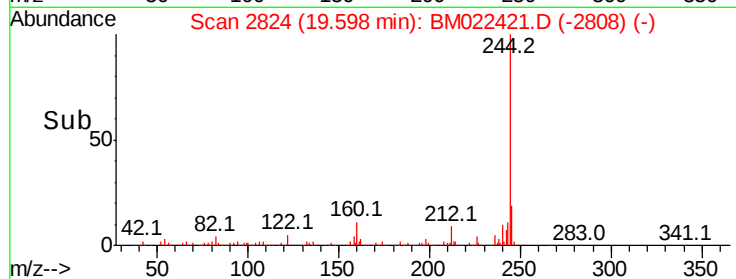
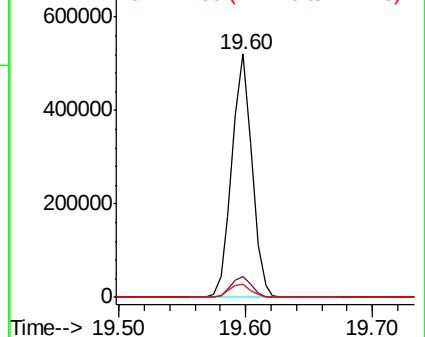
122 5.2 3.9 5.9



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.36 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BM022421.D

Acq: 29 Aug 2019 23:13

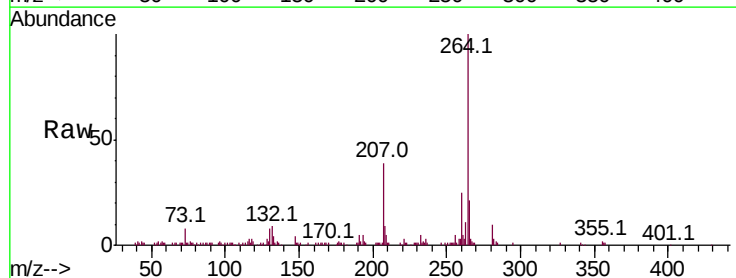
Tgt Ion:264 Resp: 147725

Ion Ratio Lower Upper

264 100

260 24.8 20.2 30.2

265 20.7 18.2 27.2



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

