

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052319\  
 Data File : BM020524.D  
 Acq On : 23 May 2019 20:09  
 Operator : JU/SJ  
 Sample : K2994-07  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-8-D

Quant Time: May 24 02:10:18 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 23 13:59:00 2019  
 Response via : Initial Calibration

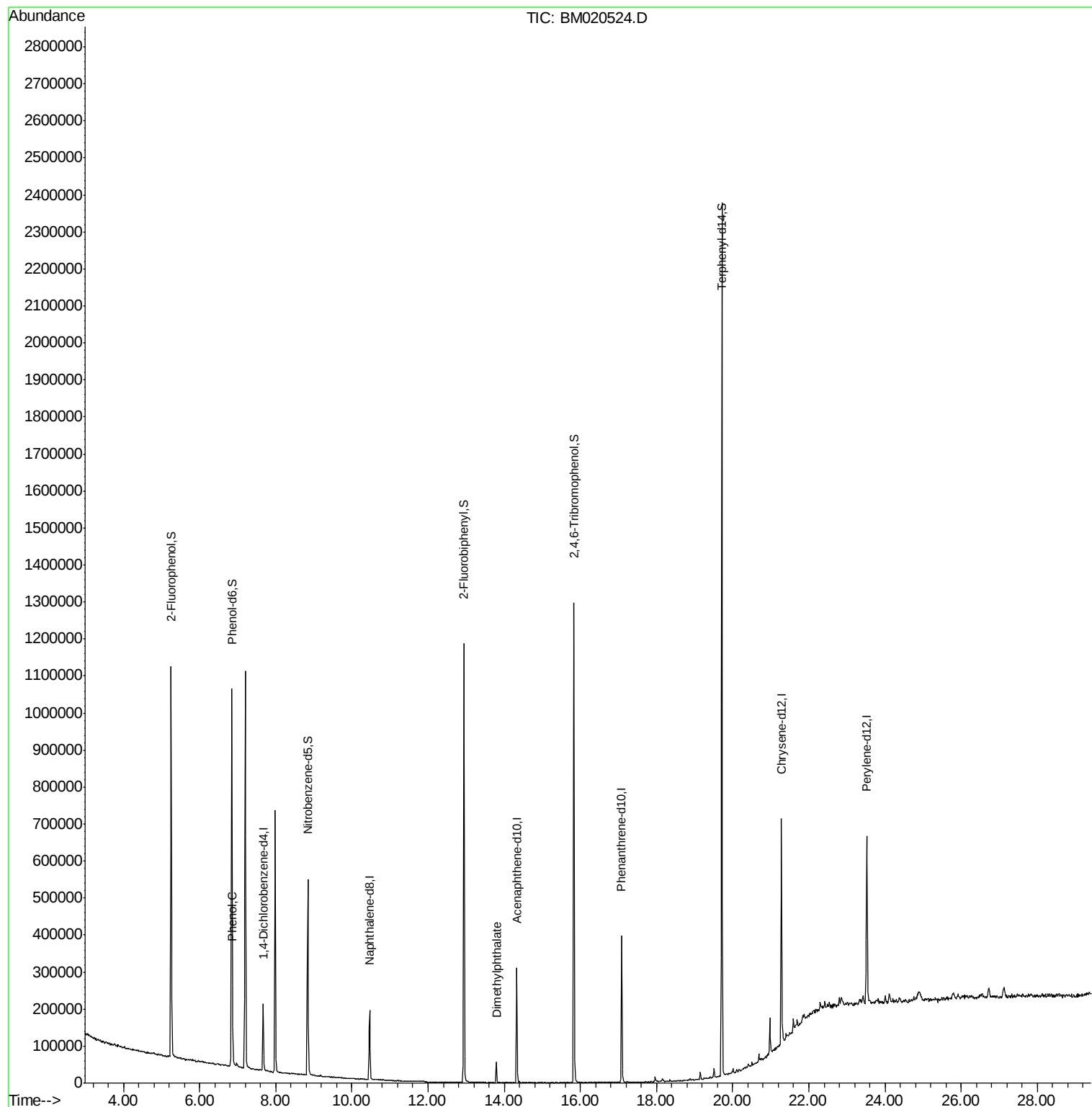
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.67  | 152  | 48877    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.46 | 136  | 156995   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.33 | 164  | 94595    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.08 | 188  | 243020   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.27 | 240  | 289149   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 23.52 | 264  | 341177   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 432743   | 144.72 | ng    | 0.00     |
| 7) Phenol-d6                | 6.85  | 99   | 570278   | 139.60 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.84  | 82   | 353954   | 89.01  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.83 | 330  | 256643   | 174.79 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.94 | 172  | 593886   | 77.24  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.72 | 244  | 1097336  | 66.19  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.87  | 94   | 14632    | 3.327  | ng    | 95       |
| 50) Dimethylphthalate       | 13.79 | 163  | 38850    | 4.832  | ng    | 98       |

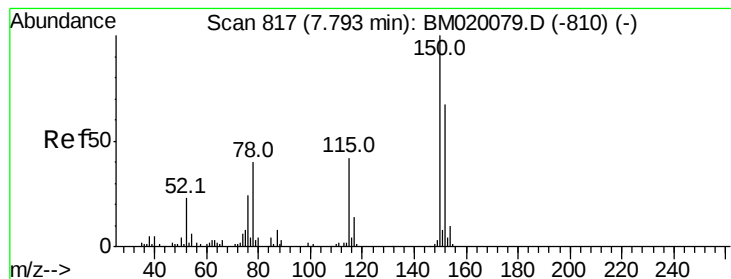
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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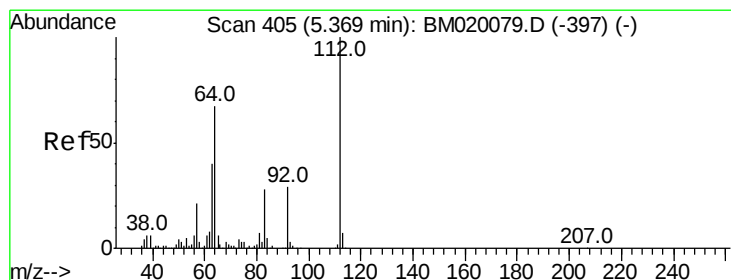
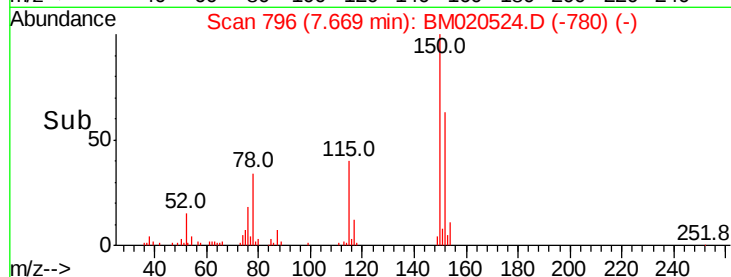
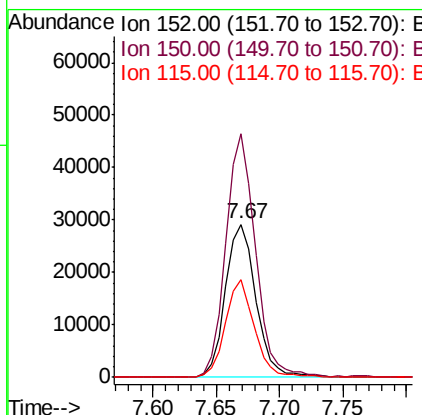
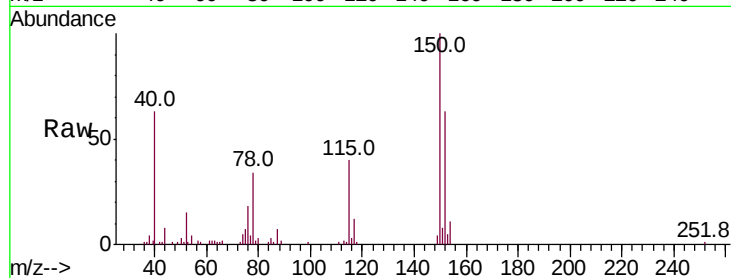


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.67 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BM020524.D  
Acq: 23 May 2019 20:09

Instrument :  
BNA\_M  
ClientSampleId :  
TP-8-D

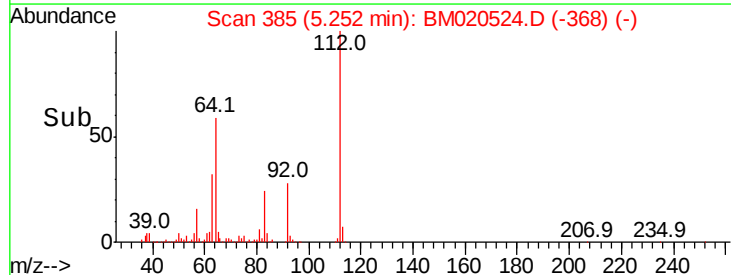
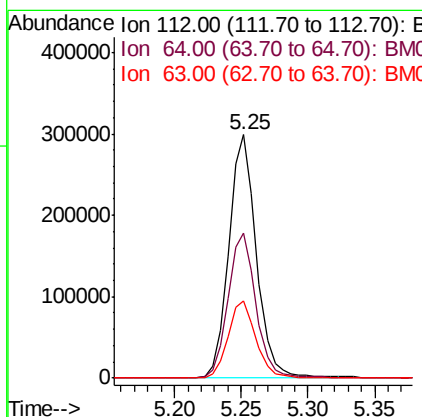
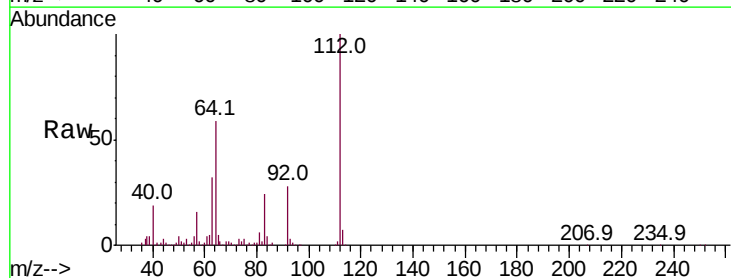
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.8 | 119.8 | 179.8 |
| 115     | 63.9  | 50.8  | 76.2  |

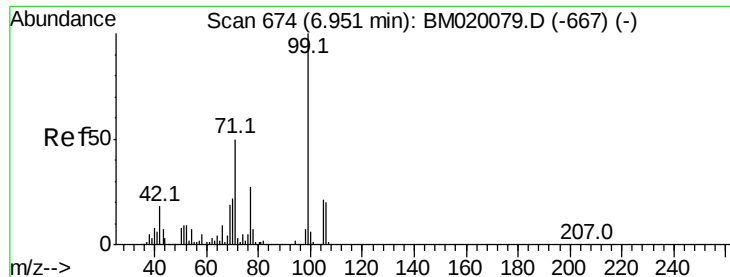


#5

2-Fluorophenol  
Concen: 144.722 ng  
RT: 5.25 min Scan# 385  
Delta R.T. 0.00 min  
Lab File: BM020524.D  
Acq: 23 May 2019 20:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.5  | 53.8  | 80.6  |
| 63      | 31.7  | 32.3  | 48.5# |





#7

Phenol-d6

Concen: 139.603 ng

RT: 6.85 min Scan# 656

Delta R.T. -0.01 min

Lab File: BM020524.D

Acq: 23 May 2019 20:09

Instrument :

BNA\_M

ClientSampled :

TP-8-D

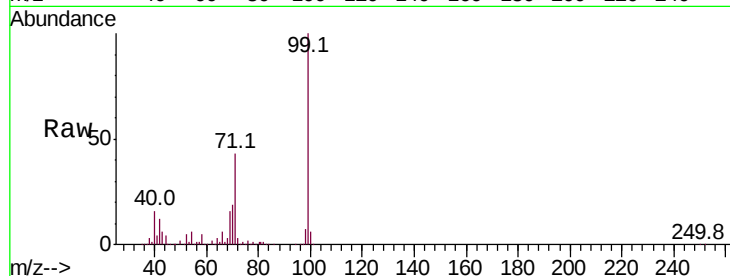
Tot Ion: 99 Resp: 570278

Ion Ratio Lower Upper

99 100

42 12.3 14.2 21.2#

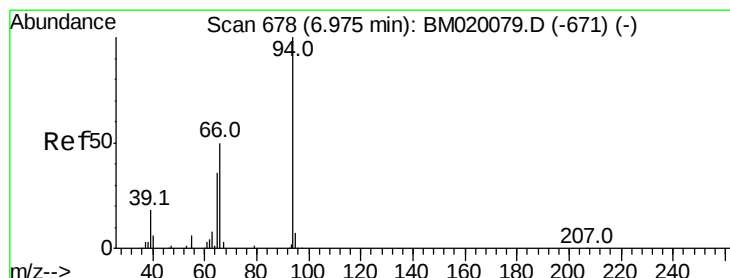
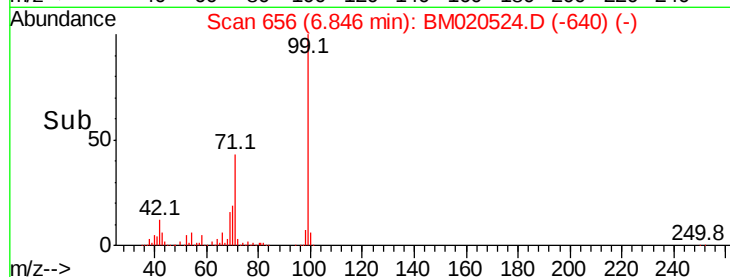
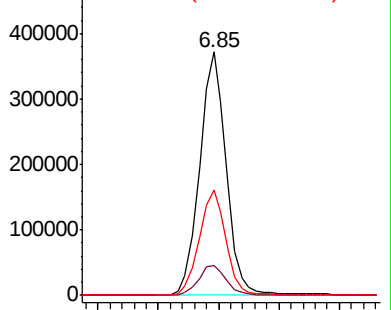
71 43.2 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)



#10

Phenol

Concen: 3.327 ng

RT: 6.87 min Scan# 660

Delta R.T. -0.01 min

Lab File: BM020524.D

Acq: 23 May 2019 20:09

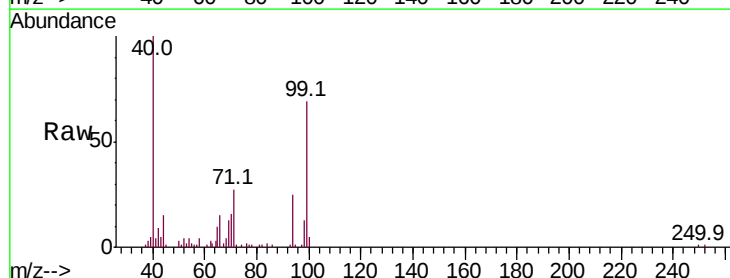
Tgt Ion: 94 Resp: 14632

Ion Ratio Lower Upper

94 100

65 38.7 17.0 57.0

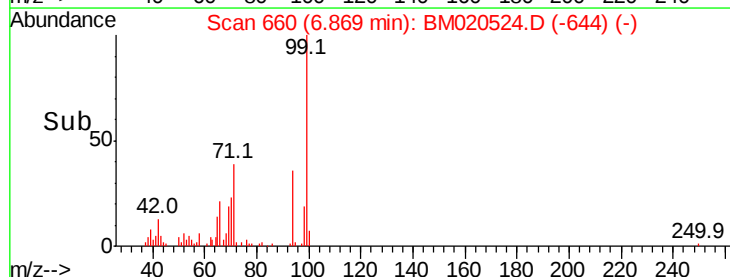
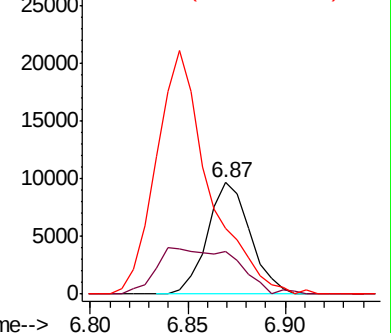
66 58.8 34.5 74.5

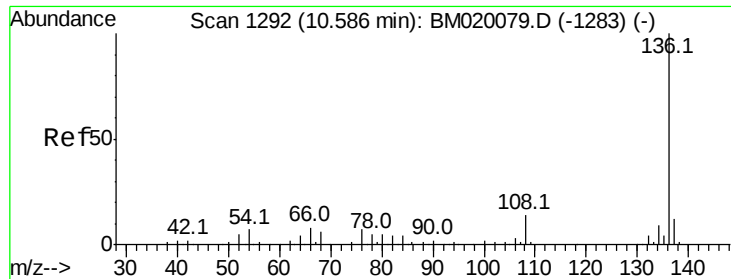


Abundance Ion 94.00 (93.70 to 94.70): BM020079.D (-671) (-)

Ion 65.00 (64.70 to 65.70): BM020079.D (-671) (-)

Ion 66.00 (65.70 to 66.70): BM020079.D (-671) (-)

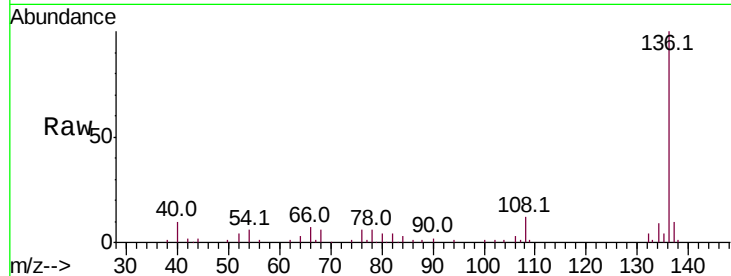




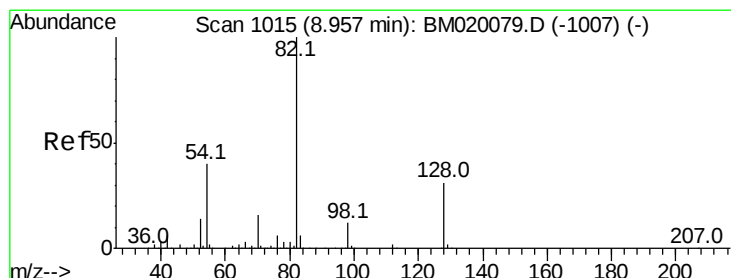
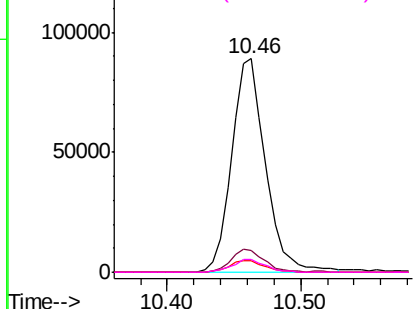
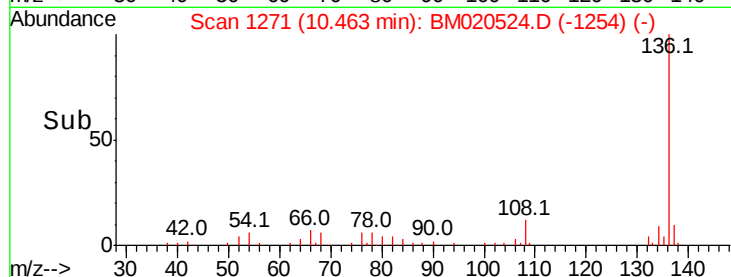
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.46 min Scan# 1271  
Delta R.T. 0.00 min  
Lab File: BM020524.D  
Acq: 23 May 2019 20:09

Instrument :  
BNA\_M  
ClientSampleId :  
TP-8-D

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 156995   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.4  | 9.6 14.4 |
| 54          | 5.5   | 5.5 8.3# |
| 68          | 6.2   | 4.6 6.8  |

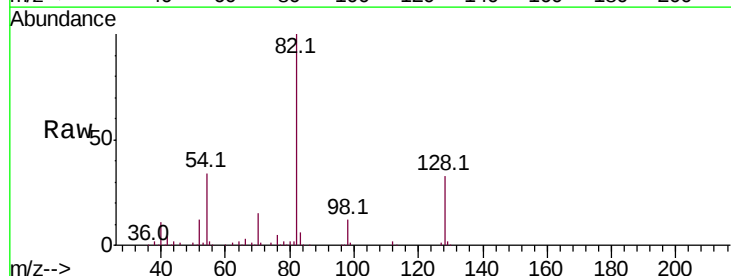


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM0  
Ion 68.00 (67.70 to 68.70): BM0

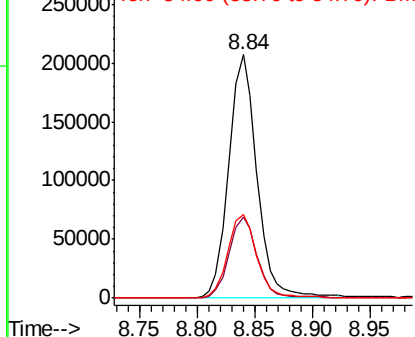
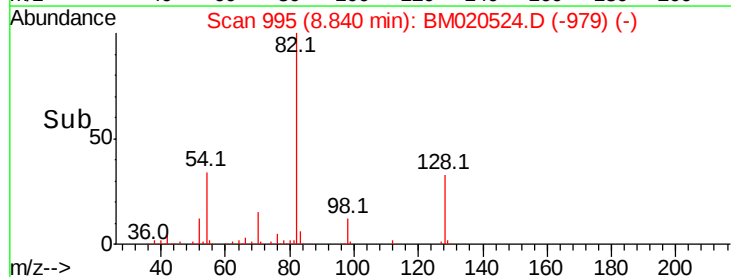


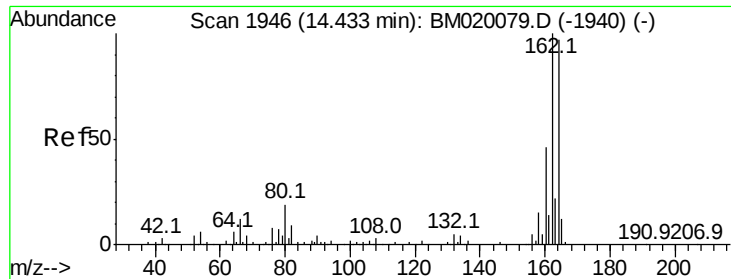
#23  
Nitrobenzene-d5  
Concen: 89.010 ng  
RT: 8.84 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: BM020524.D  
Acq: 23 May 2019 20:09

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 353954    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 33.4  | 25.2 37.8 |
| 54          | 34.4  | 31.9 47.9 |



Abundance Ion 82.00 (81.70 to 82.70): BM0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BM0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.33 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BM020524.D

Acq: 23 May 2019 20:09

Instrument :

BNA\_M

ClientSampleId :

TP-8-D

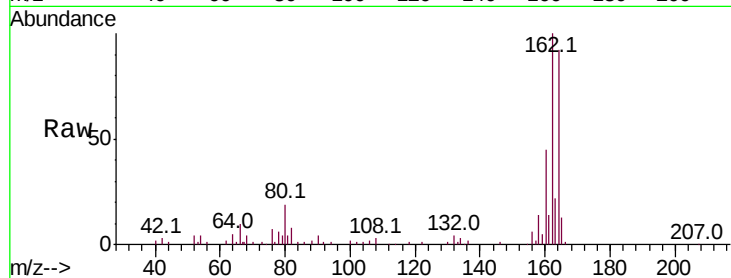
Tot Ion:164 Resp: 94595

Ion Ratio Lower Upper

164 100

162 108.5 82.2 123.2

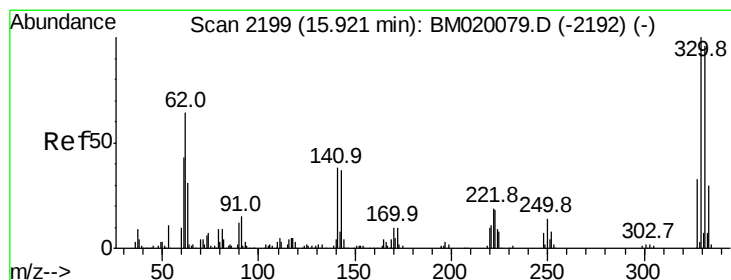
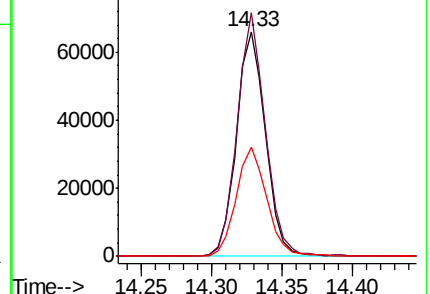
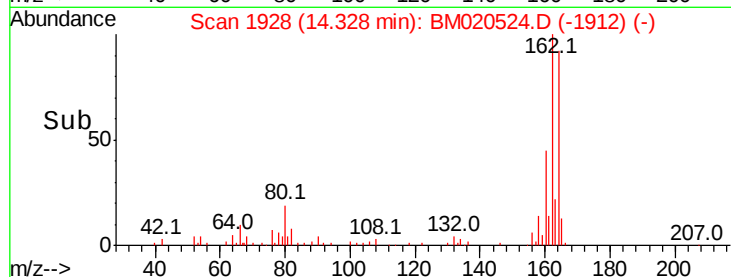
160 48.4 37.6 56.4



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: 174.790 ng

RT: 15.83 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BM020524.D

Acq: 23 May 2019 20:09

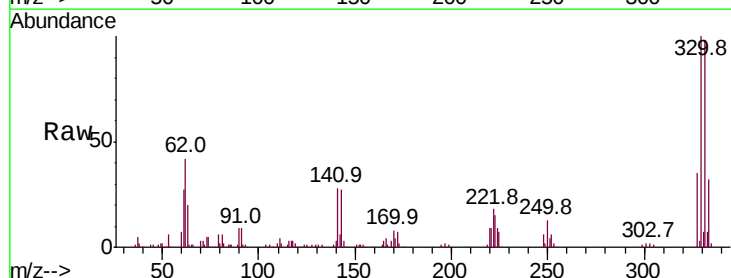
Tgt Ion:330 Resp: 256643

Ion Ratio Lower Upper

330 100

332 96.9 76.8 115.2

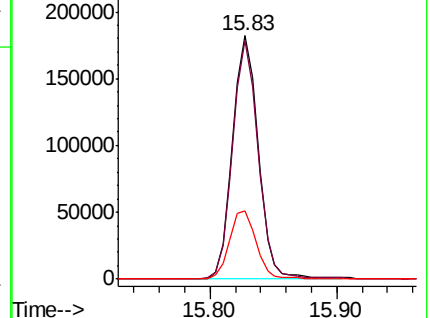
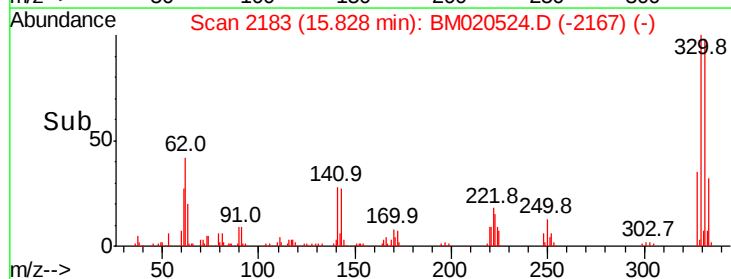
141 28.9 29.2 43.8#

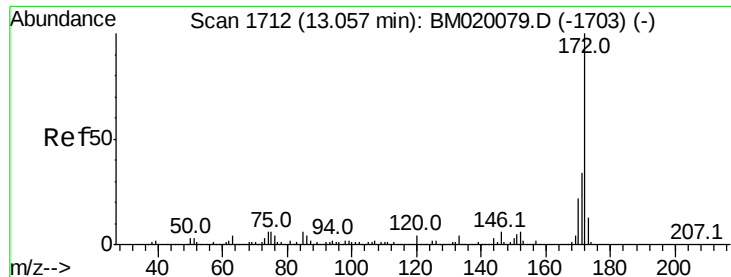


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



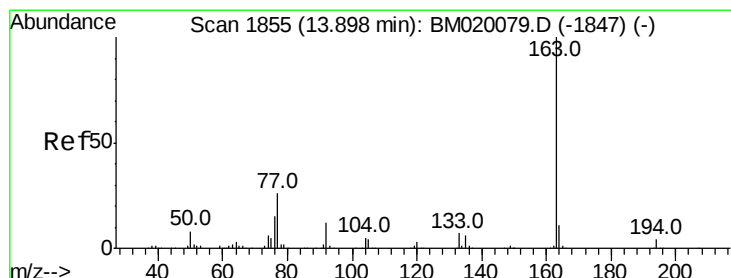
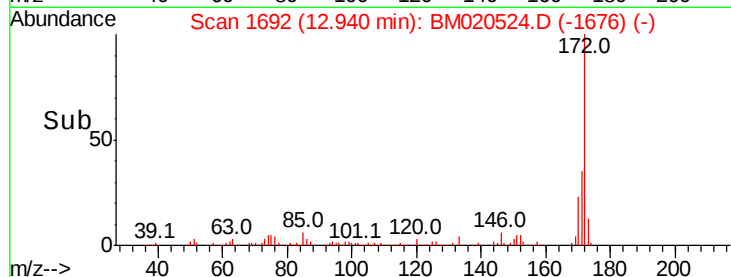
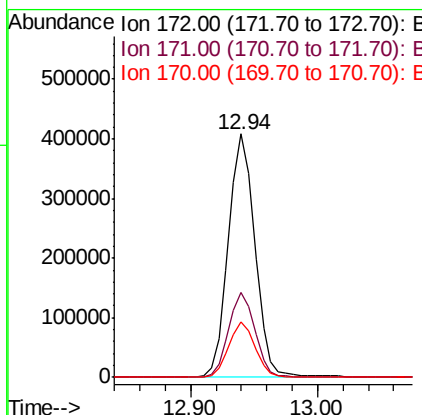
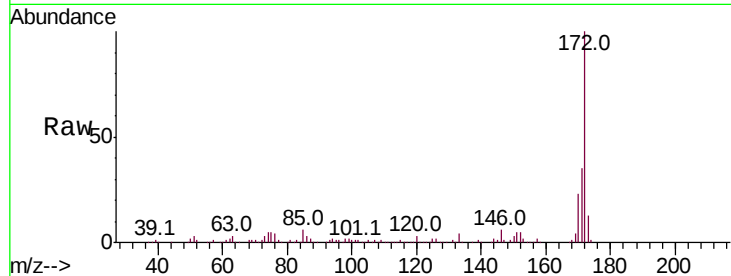


#45  
 2-Fluorobiphenyl  
 Concen: 77.245 ng  
 RT: 12.94 min Scan# 1692  
 Delta R.T. -0.01 min  
 Lab File: BM020524.D  
 Acq: 23 May 2019 20:09

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-8-D

Tot Ion:172 Resp: 593886  

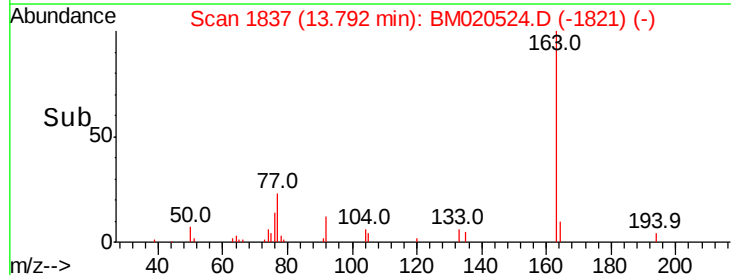
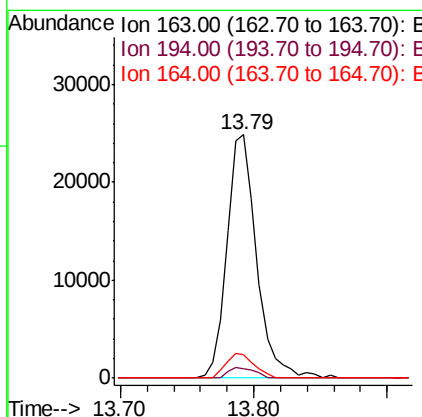
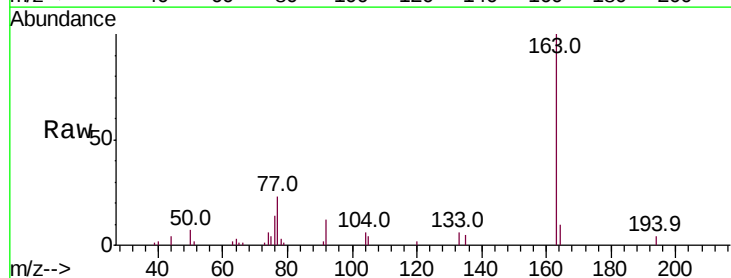
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 34.8  | 27.3  | 40.9  |
| 170 | 23.0  | 17.9  | 26.9  |

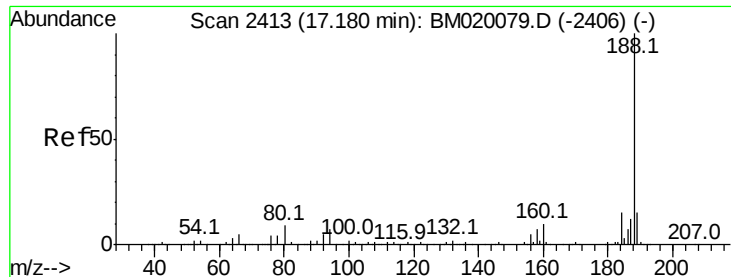


#50  
 Dimethylphthalate  
 Concen: 4.832 ng  
 RT: 13.79 min Scan# 1837  
 Delta R.T. -0.01 min  
 Lab File: BM020524.D  
 Acq: 23 May 2019 20:09

Tgt Ion:163 Resp: 38850  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.0   | 3.6   | 5.4   |
| 164 | 9.7   | 8.4   | 12.6  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2396

Delta R.T. -0.01 min

Lab File: BM020524.D

Acq: 23 May 2019 20:09

Instrument :

BNA\_M

ClientSampleId :

TP-8-D

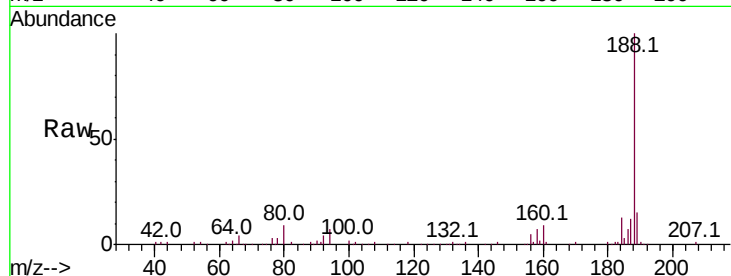
Tot Ion:188 Resp: 243020

Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

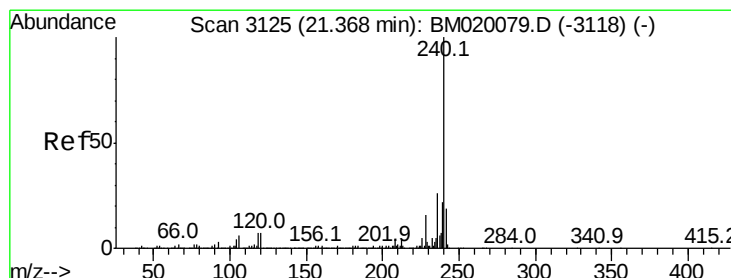
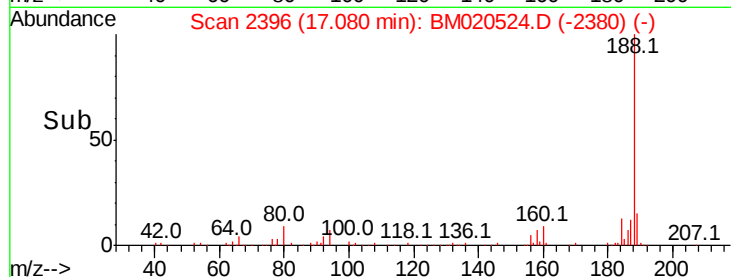
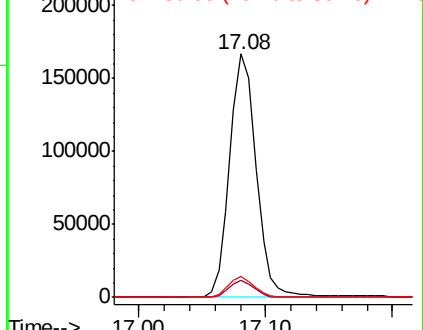
80 8.7 7.4 11.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM020524.D

Acq: 23 May 2019 20:09

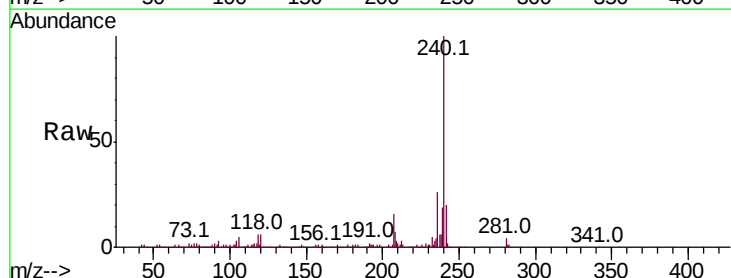
Tgt Ion:240 Resp: 289149

Ion Ratio Lower Upper

240 100

120 6.3 5.6 8.4

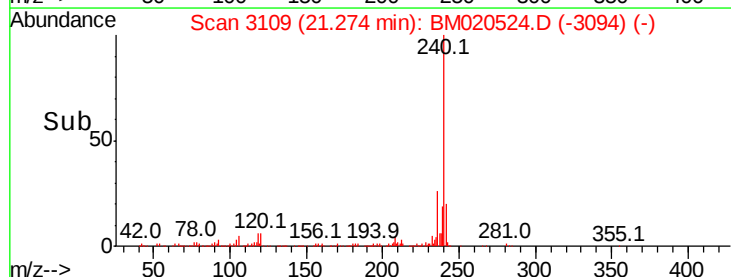
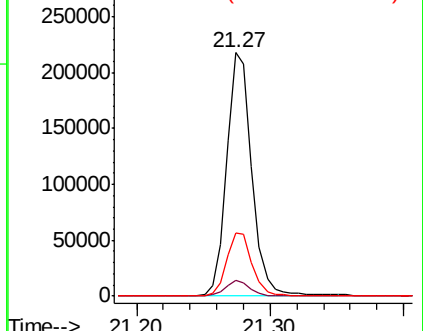
236 25.8 20.9 31.3

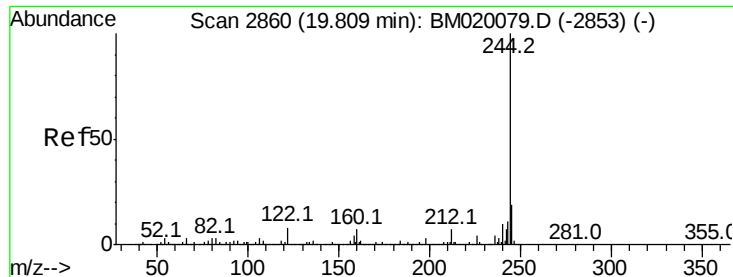


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 66.194 ng

RT: 19.72 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BM020524.D

Acq: 23 May 2019 20:09

Instrument :

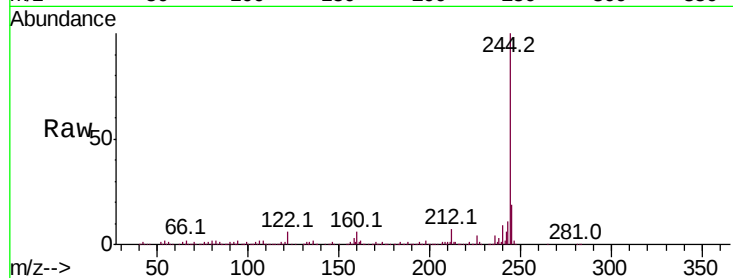
BNA\_M

ClientSampleId :

TP-8-D

Tot Ion:244 Resp: 1097336

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.5   | 5.7   | 8.5   |
| 122 | 6.3   | 6.2   | 9.2   |

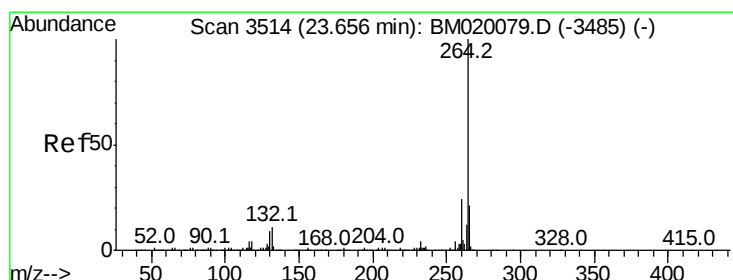
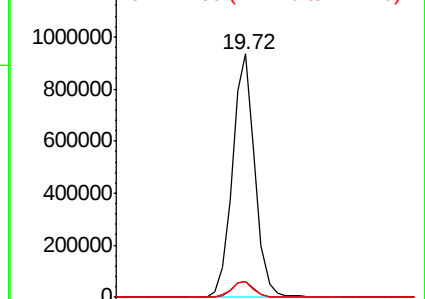
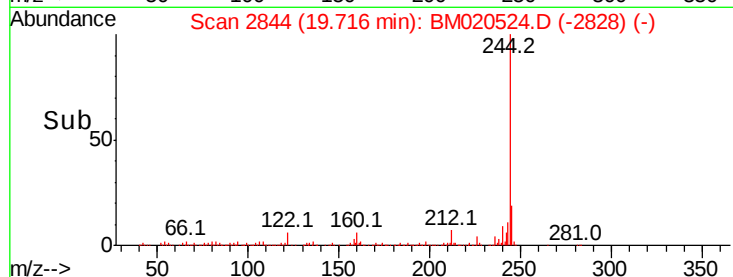


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.52 min Scan# 3491

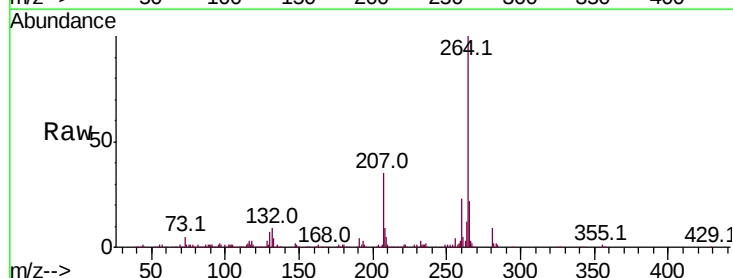
Delta R.T. -0.01 min

Lab File: BM020524.D

Acq: 23 May 2019 20:09

Tgt Ion:264 Resp: 341177

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.9  | 19.2  | 28.8  |
| 265 | 22.2  | 16.9  | 25.3  |



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

