

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050319\  
 Data File : BM020122.D  
 Acq On : 03 May 2019 21:16  
 Operator : JU/SJ  
 Sample : K2635-03 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: May 03 23:57:23 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:58:37 2019  
 Response via : Initial Calibration

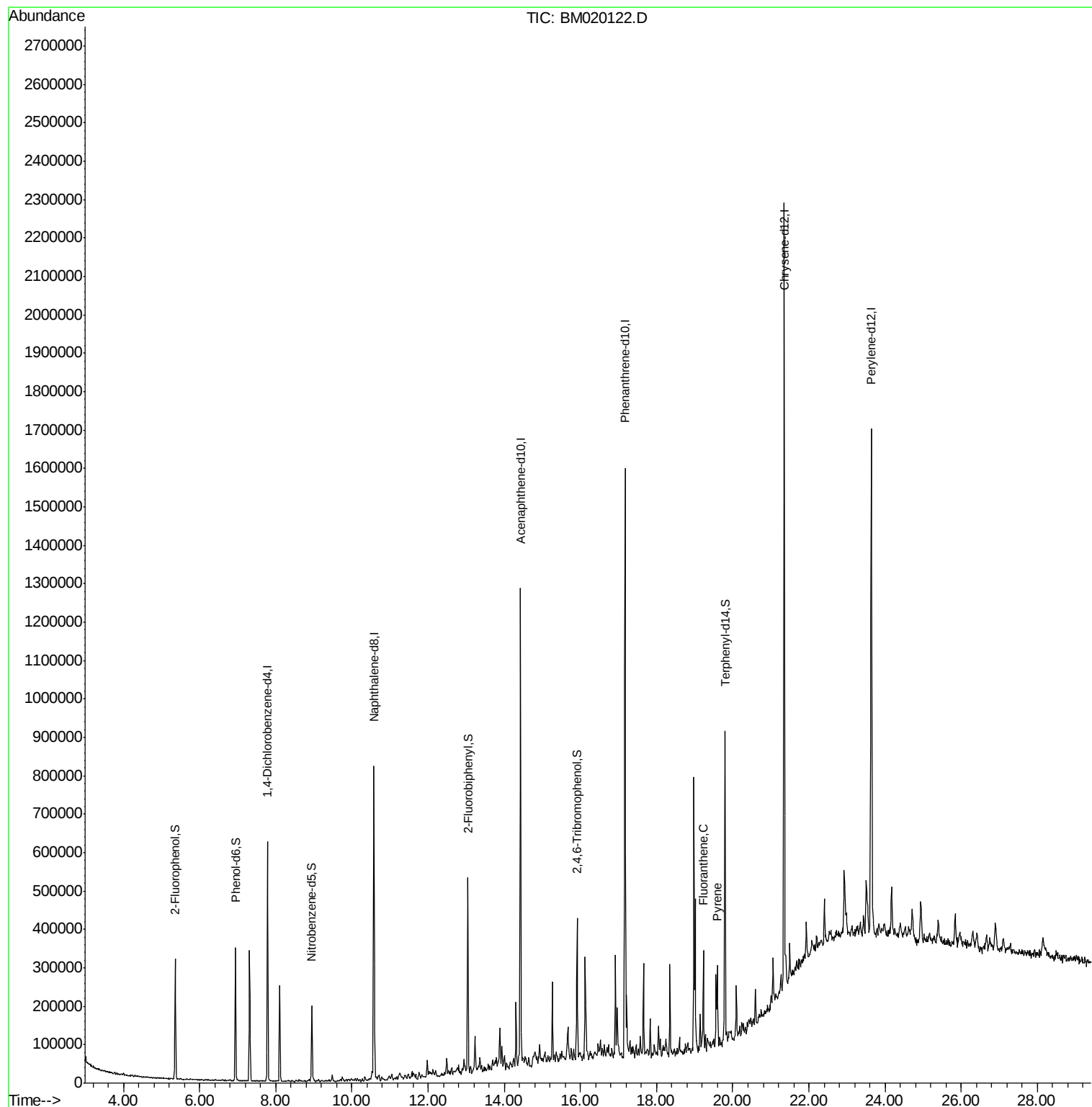
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.79  | 152  | 147410   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.57 | 136  | 601448   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.43 | 164  | 377946   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.17 | 188  | 885590   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.35 | 240  | 903295   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 23.64 | 264  | 1029766  | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 111952   | 12.41 | ng    | 0.00     |
| 7) Phenol-d6                | 6.94  | 99   | 164851   | 13.38 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 120165   | 7.89  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.92 | 330  | 59874    | 10.21 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.05 | 172  | 236540   | 7.70  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.80 | 244  | 360227   | 6.96  | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 75) Fluoranthene            | 19.23 | 202  | 137743   | 2.227 | ng    | 97       |
| 78) Pyrene                  | 19.59 | 202  | 126541   | 2.087 | ng    | 98       |

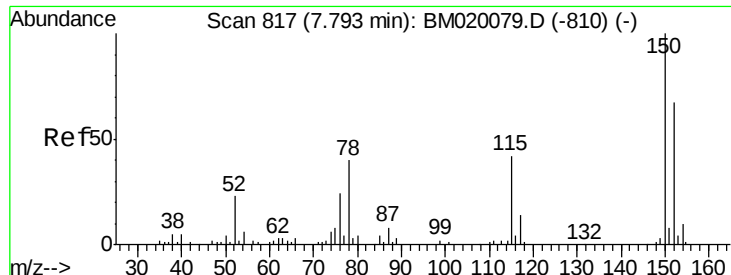
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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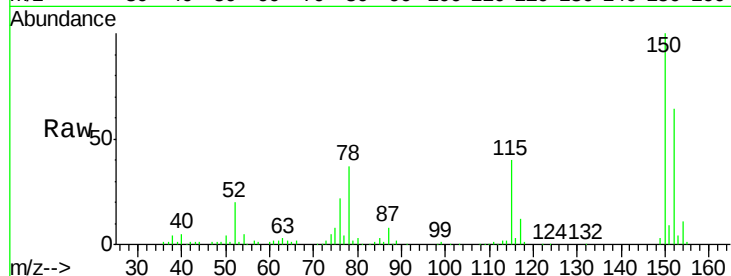


#1

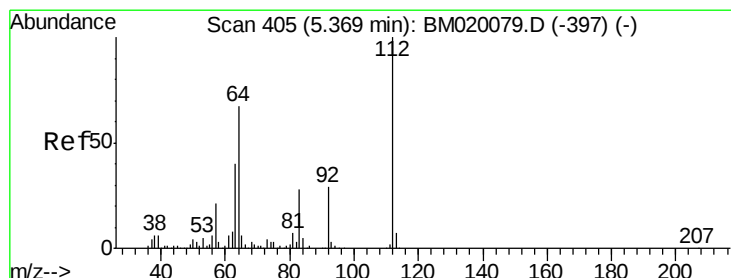
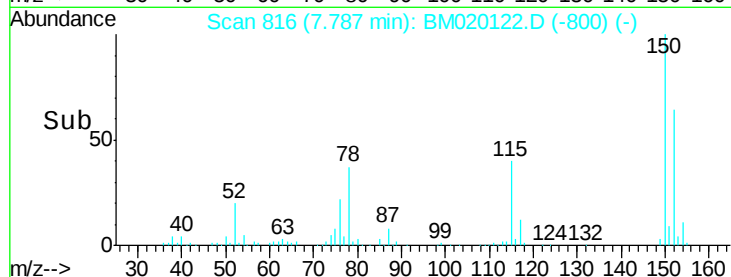
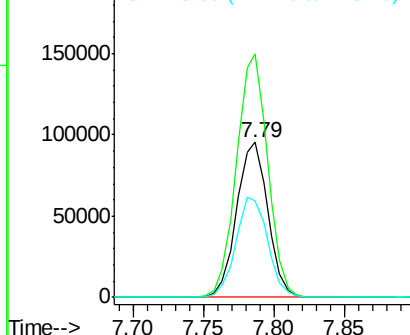
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.79 min Scan# 816  
Delta R.T. -0.01 min  
Lab File: BM020122.D  
Acq: 03 May 2019 21:16

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 147410  
Ion Ratio Lower Upper  
152 100  
150 157.1 119.8 179.8  
115 62.6 50.8 76.2



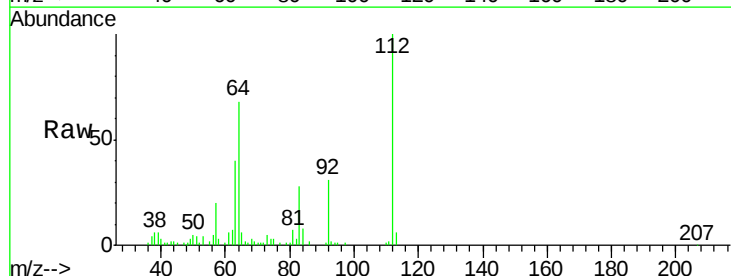
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



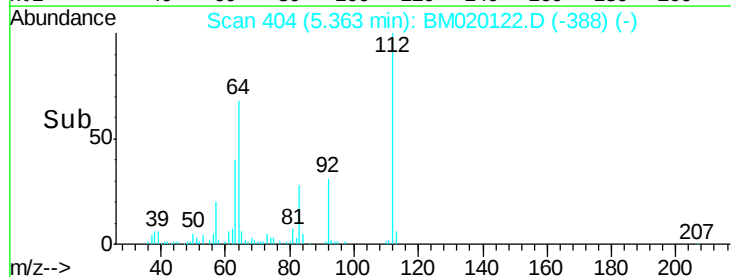
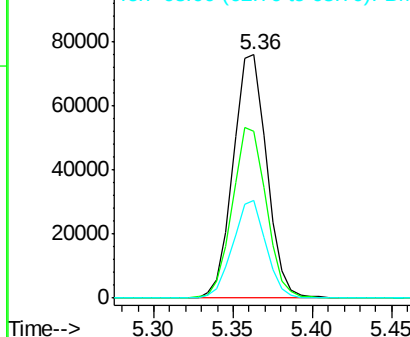
#5

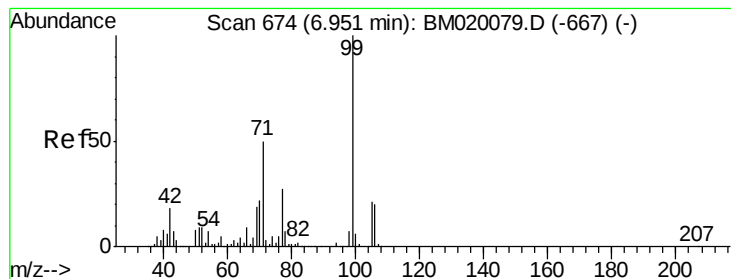
2-Fluorophenol  
Concen: 12.414 ng  
RT: 5.36 min Scan# 404  
Delta R.T. -0.01 min  
Lab File: BM020122.D  
Acq: 03 May 2019 21:16

Tgt Ion:112 Resp: 111952  
Ion Ratio Lower Upper  
112 100  
64 68.3 53.8 80.6  
63 40.0 32.3 48.5



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: 13.381 ng

RT: 6.94 min Scan# 672

Delta R.T. -0.01 min

Lab File: BM020122.D

Acq: 03 May 2019 21:16

Instrument :

BNA\_M

ClientSampled :

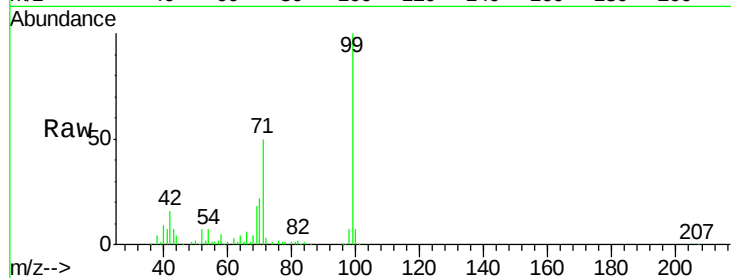
Tot Ion: 99 Resp: 164851

Ion Ratio Lower Upper

99 100

42 16.3 14.2 21.2

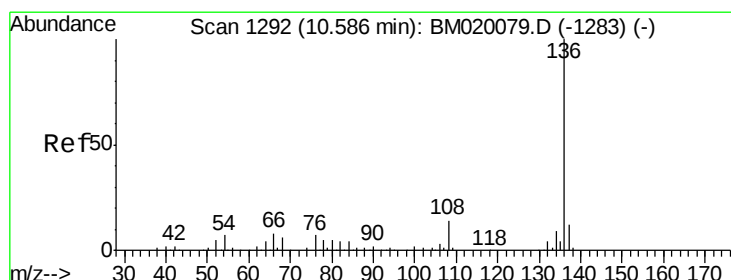
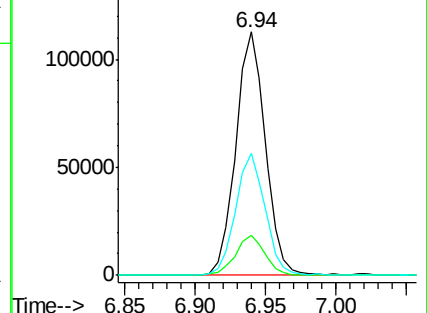
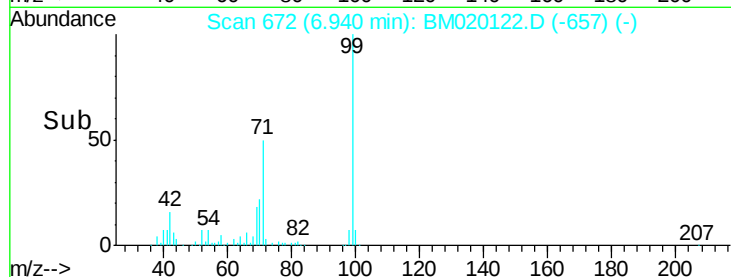
71 49.9 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020122.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020122.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020122.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.57 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BM020122.D

Acq: 03 May 2019 21:16

Tgt Ion: 136 Resp: 601448

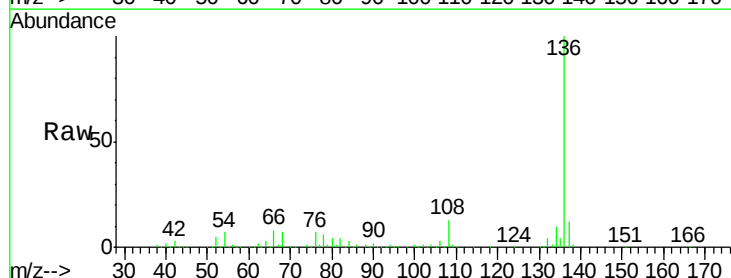
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 7.0 5.5 8.3

68 7.0 4.6 6.8#

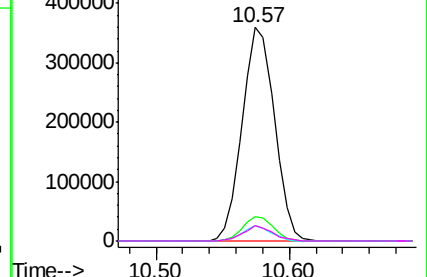
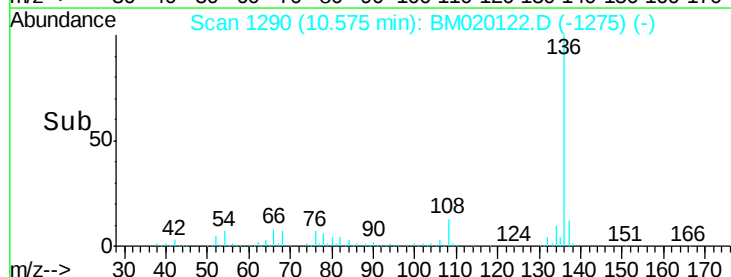


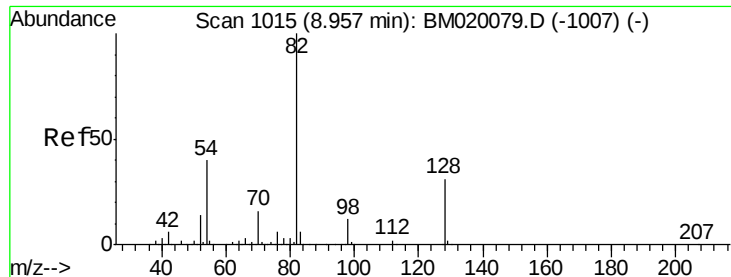
Abundance Ion 136.00 (135.70 to 136.70): BM020122.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020122.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020122.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020122.D (-1275) (-)

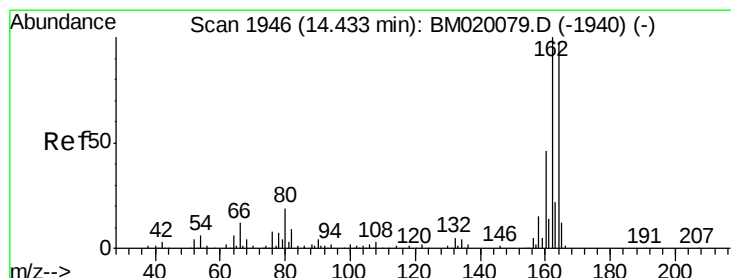
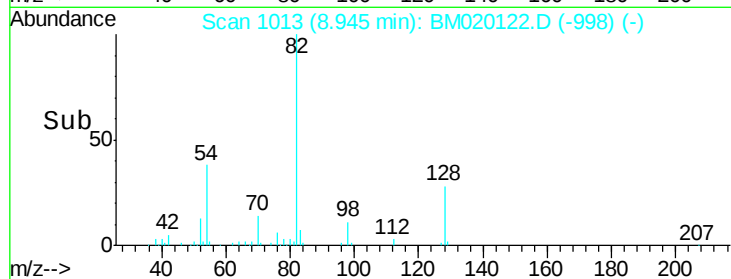
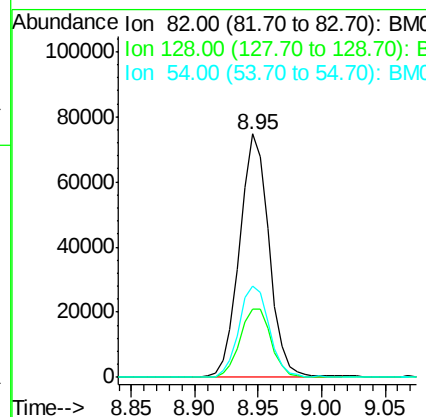
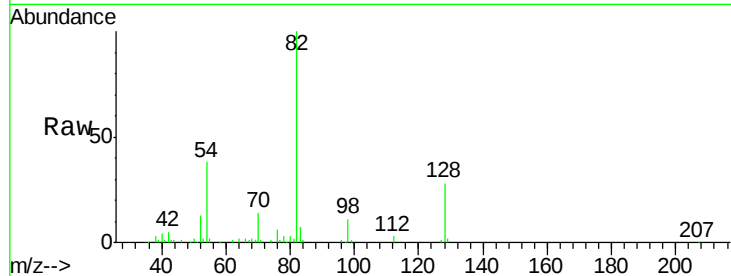




#23  
 Nitrobenzene-d5  
 Concen: 7.888 ng  
 RT: 8.95 min Scan# 1013  
 Delta R.T. -0.01 min  
 Lab File: BM020122.D  
 Acq: 03 May 2019 21:16

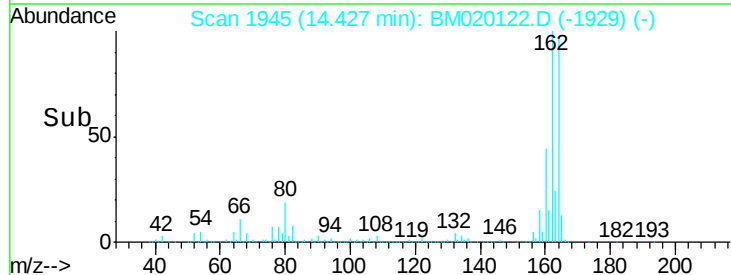
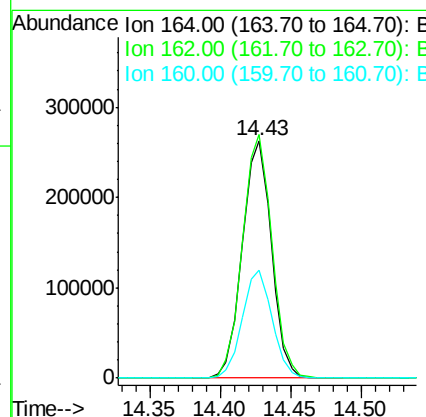
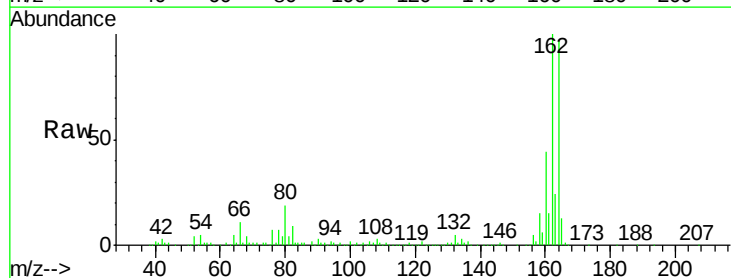
Instrument :  
 BNA\_M  
 ClientSampled :

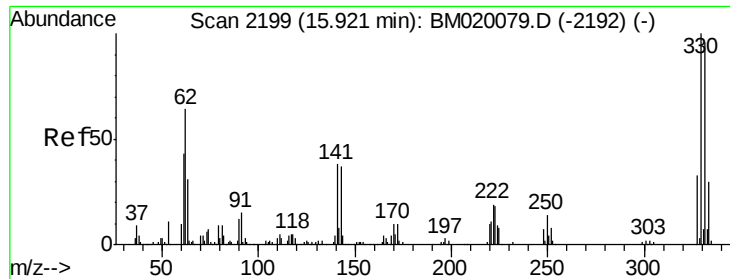
| Tot Ion   | 82   | Resp  | 120165 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 28.1 | 25.2  | 37.8   |
| 54        | 37.7 | 31.9  | 47.9   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.43 min Scan# 1945  
 Delta R.T. -0.01 min  
 Lab File: BM020122.D  
 Acq: 03 May 2019 21:16

| Tgt Ion                                              | 164   | Resp  | 377946 |
|------------------------------------------------------|-------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100   | Lower | Upper  |
| 162                                                  | 102.6 | 82.2  | 123.2  |
| 160                                                  | 45.5  | 37.6  | 56.4   |

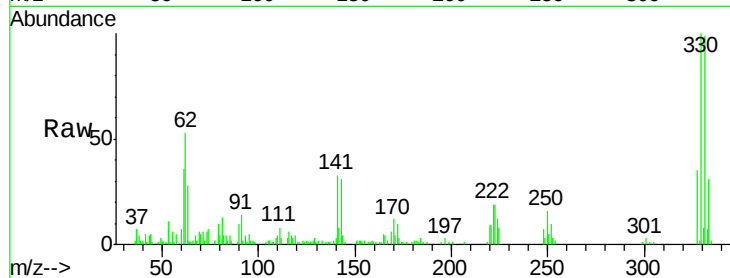




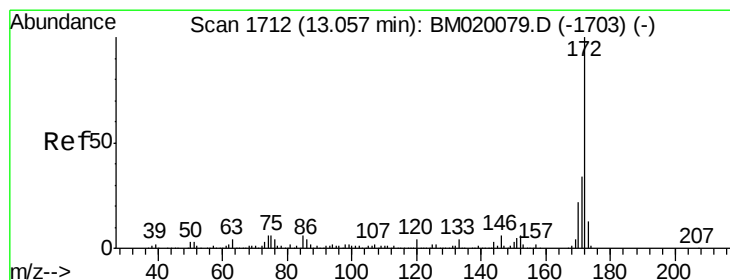
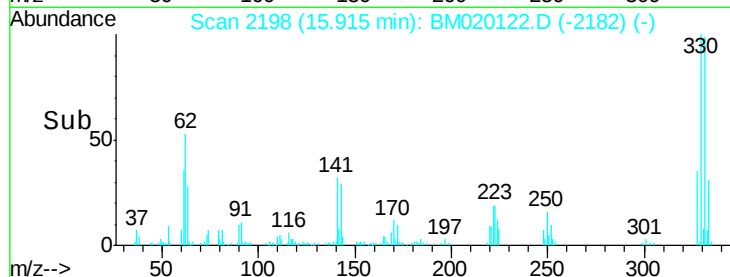
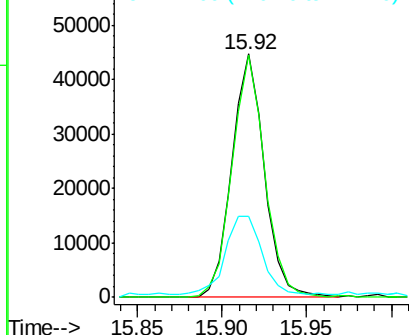
#42  
 2,4,6-Tribromophenol  
 Concen: 10.206 ng  
 RT: 15.92 min Scan# 2198  
 Delta R.T. -0.01 min  
 Lab File: BM020122.D  
 Acq: 03 May 2019 21:16

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:330 Resp: 59874  
 Ion Ratio Lower Upper  
 330 100  
 332 99.4 76.8 115.2  
 141 38.4 29.2 43.8

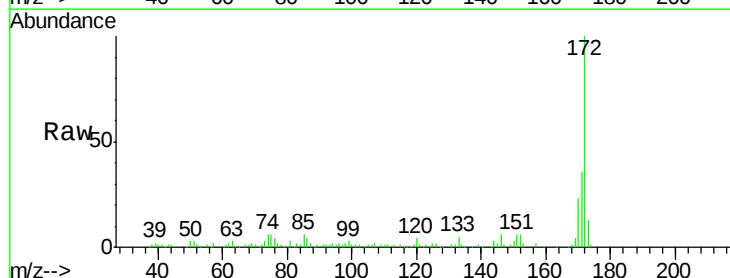


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

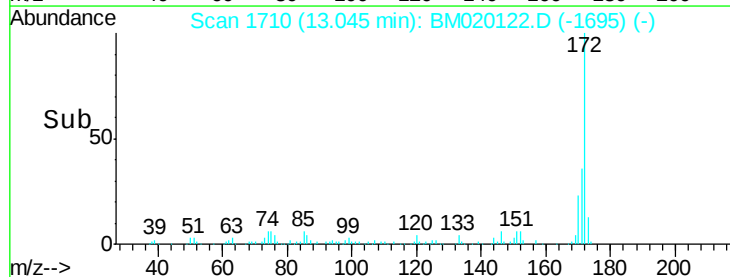
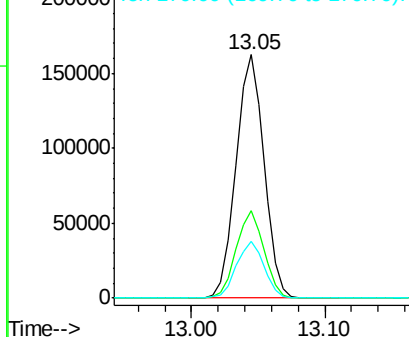


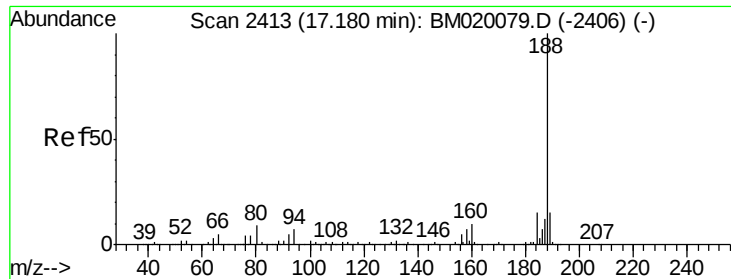
#45  
 2-Fluorobiphenyl  
 Concen: 7.700 ng  
 RT: 13.05 min Scan# 1710  
 Delta R.T. -0.01 min  
 Lab File: BM020122.D  
 Acq: 03 May 2019 21:16

Tgt Ion:172 Resp: 236540  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 27.3 40.9  
 170 23.2 17.9 26.9



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.17 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM020122.D

Acq: 03 May 2019 21:16

Instrument :

BNA\_M

ClientSampleId :

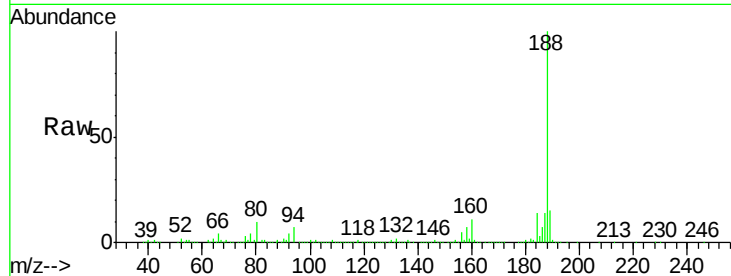
Tot Ion:188 Resp: 885590

Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

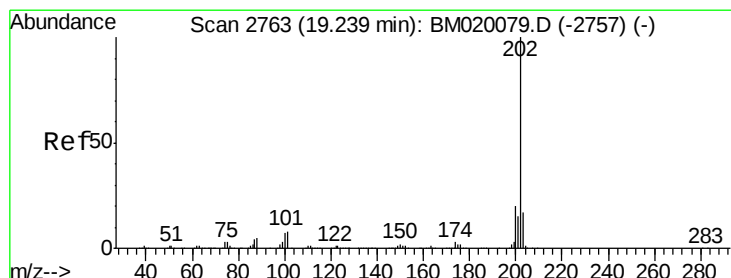
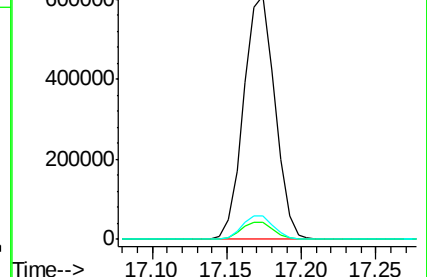
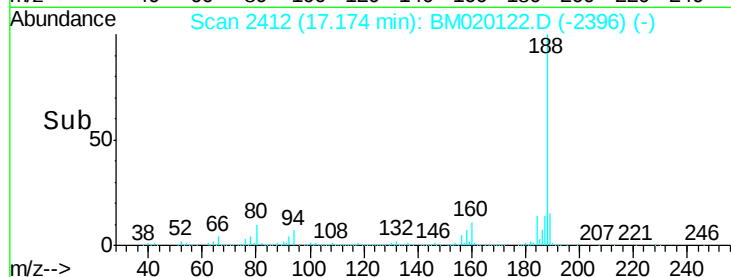
80 9.6 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Fluoranthene

Concen: 2.227 ng

RT: 19.23 min Scan# 2761

Delta R.T. -0.01 min

Lab File: BM020122.D

Acq: 03 May 2019 21:16

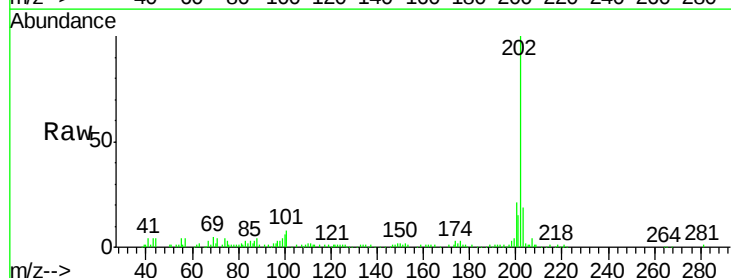
Tgt Ion:202 Resp: 137743

Ion Ratio Lower Upper

202 100

101 7.6 0.0 28.4

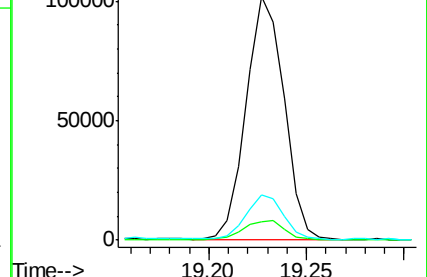
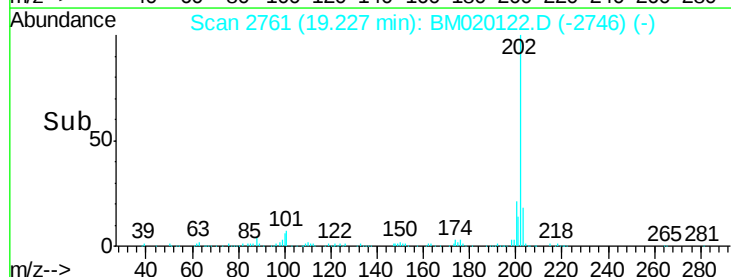
203 18.7 0.0 37.4

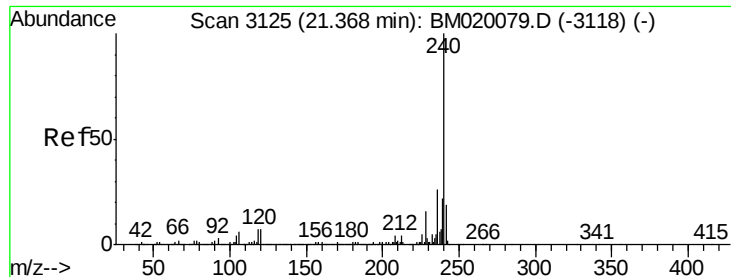


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.35 min Scan# 3122

Delta R.T. -0.02 min

Lab File: BM020122.D

Acq: 03 May 2019 21:16

Instrument :

BNA\_M

ClientSampled :

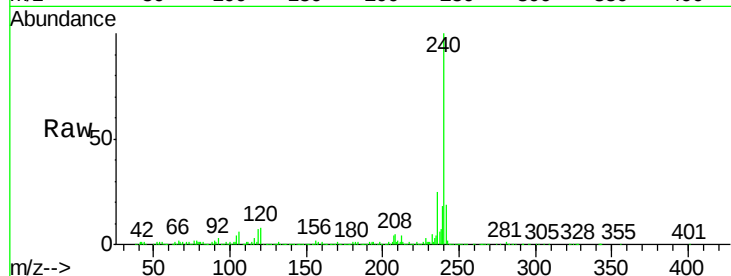
Tot Ion:240 Resp: 903295

Ion Ratio Lower Upper

240 100

120 7.6 5.6 8.4

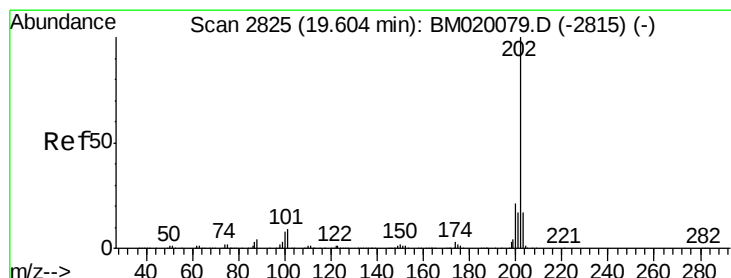
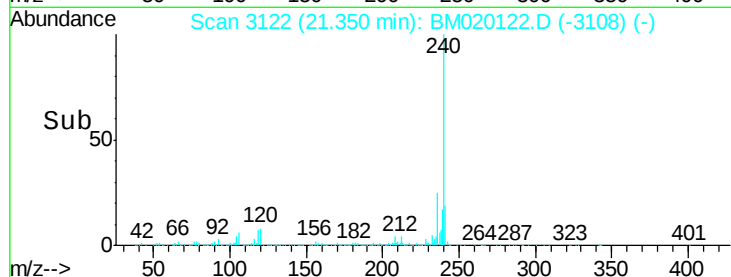
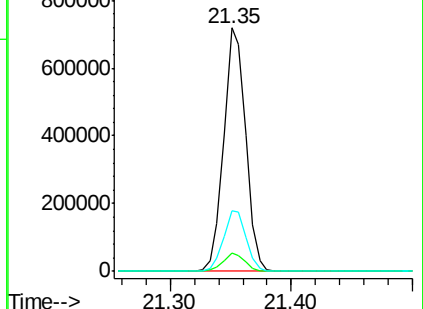
236 25.0 20.9 31.3



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



#78

Pyrene

Concen: 2.087 ng

RT: 19.59 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BM020122.D

Acq: 03 May 2019 21:16

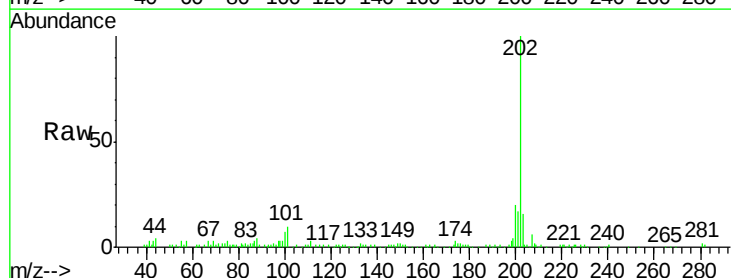
Tgt Ion:202 Resp: 126541

Ion Ratio Lower Upper

202 100

200 20.1 16.5 24.7

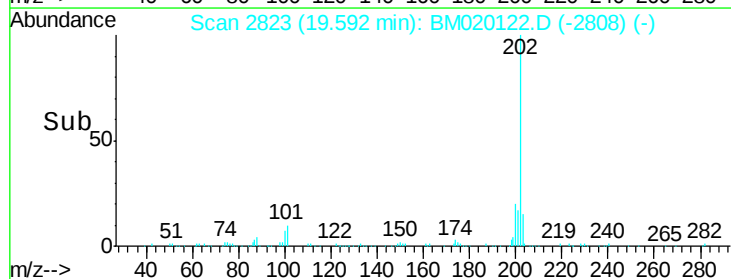
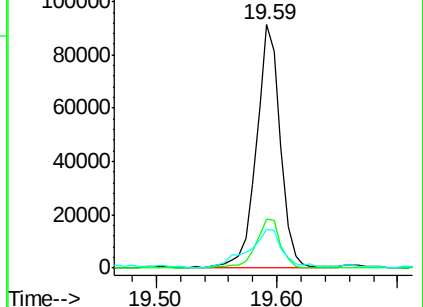
203 16.1 13.9 20.9

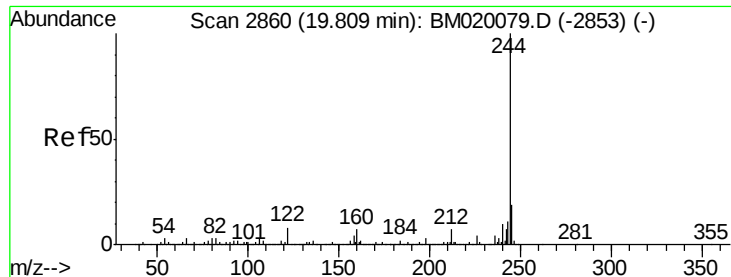


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 6.956 ng

RT: 19.80 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BM020122.D

Acq: 03 May 2019 21:16

Instrument :

BNA\_M

ClientSampleId :

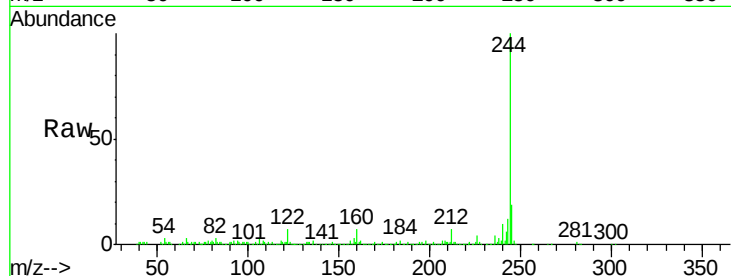
Tot Ion:244 Resp: 360227

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

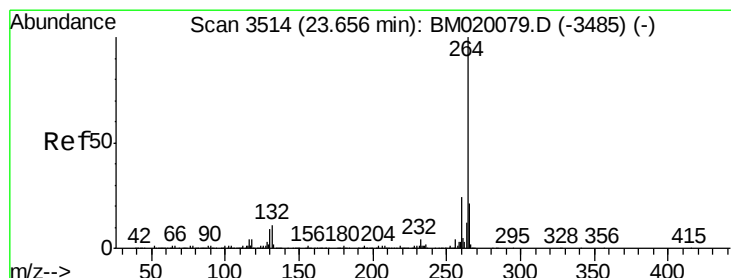
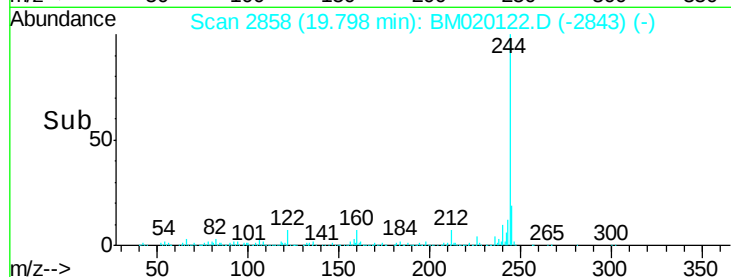
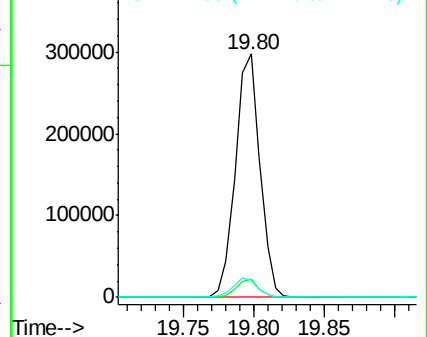
122 6.9 6.2 9.2



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: 23.64 min Scan# 3511

Delta R.T. -0.02 min

Lab File: BM020122.D

Acq: 03 May 2019 21:16

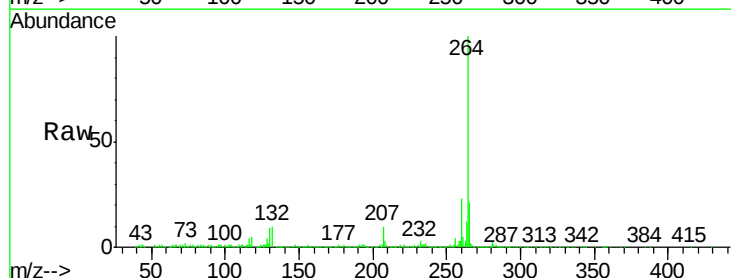
Tgt Ion:264 Resp: 1029766

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.0 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

