

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061520\  
 Data File : BM026401.D  
 Acq On : 15 Jun 2020 20:57  
 Operator : JU/CG  
 Sample : L2997-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 294

Quant Time: Jun 16 01:05:20 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 15 12:22:53 2020  
 Response via : Initial Calibration

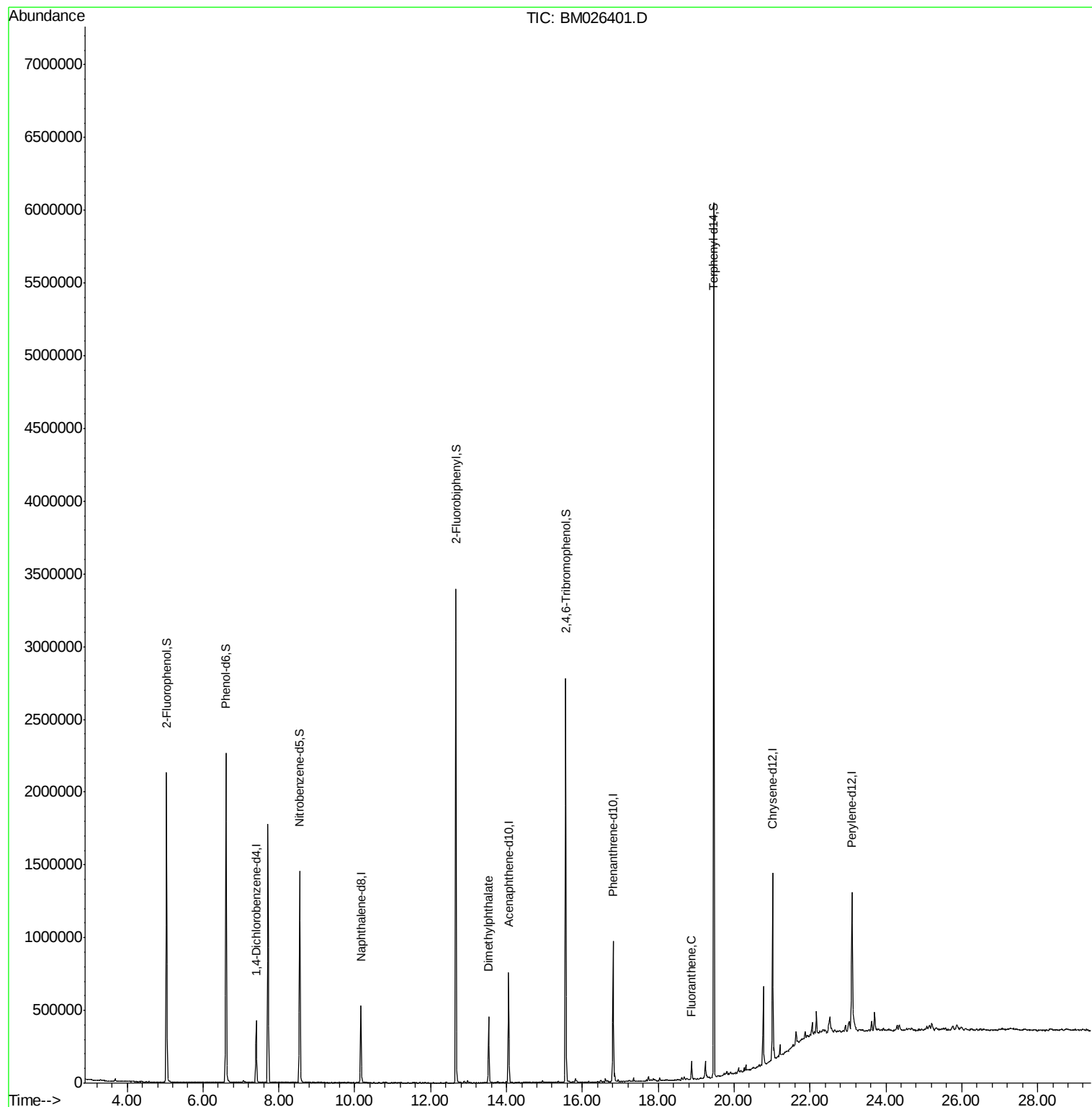
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.40  | 152  | 99298    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.16 | 136  | 392020   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.06 | 164  | 235372   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.81 | 188  | 506726   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.02 | 240  | 530346   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.11 | 264  | 574491   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.04  | 112  | 773861   | 137.79 | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 1101101  | 135.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.55  | 82   | 771234   | 96.60  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.56 | 330  | 444801   | 156.01 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.67 | 172  | 1599110  | 103.13 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.47 | 244  | 2634194  | 96.42  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 50) Dimethylphthalate       | 13.53 | 163  | 274624   | 15.952 | ng    | 99       |
| 75) Fluoranthene            | 18.88 | 202  | 67759    | 2.240  | ng    | 96       |

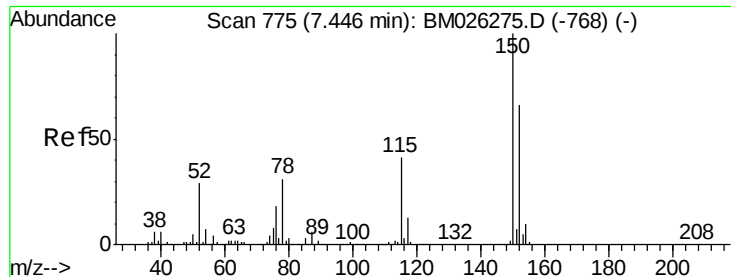
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
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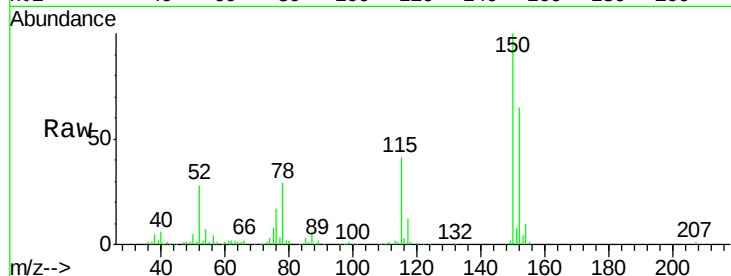


#1

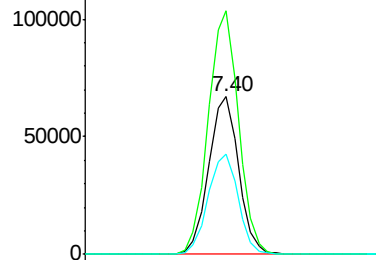
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.40 min Scan# 768  
Delta R.T. -0.00 min  
Lab File: BM026401.D  
Acq: 15 Jun 2020 20:57

Instrument :  
BNA\_M  
ClientSampleId :  
294

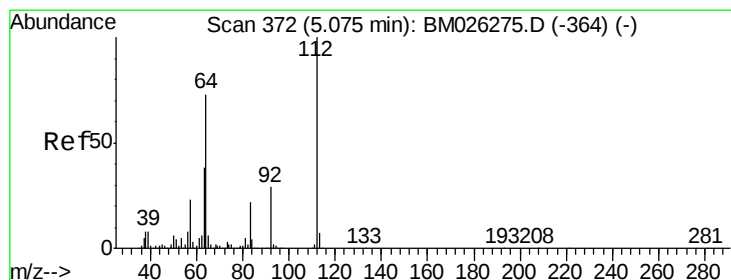
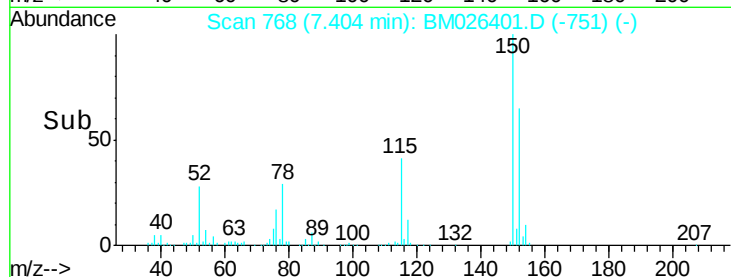
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.7 | 127.8 | 191.6 |
| 115     | 64.1  | 51.5  | 77.3  |



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



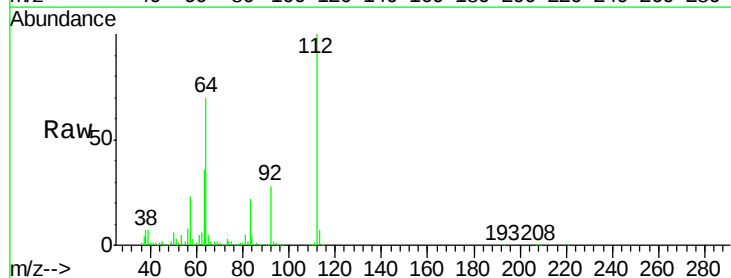
Time-->



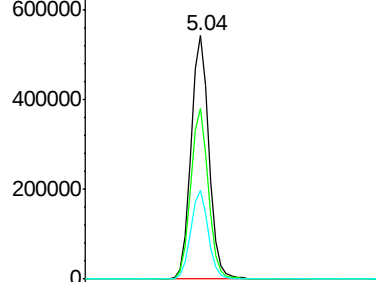
#5

2-Fluorophenol  
Concen: 137.789 ng  
RT: 5.04 min Scan# 366  
Delta R.T. -0.00 min  
Lab File: BM026401.D  
Acq: 15 Jun 2020 20:57

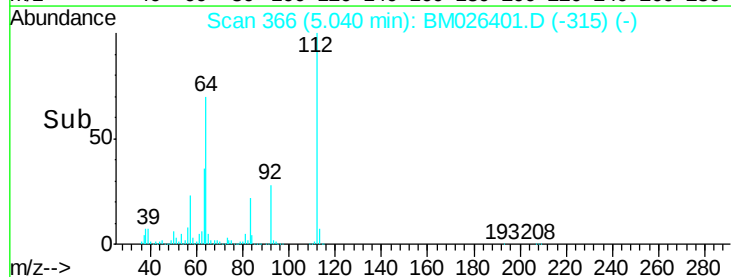
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.9  | 56.0  | 84.0  |
| 63      | 36.3  | 29.0  | 43.6  |

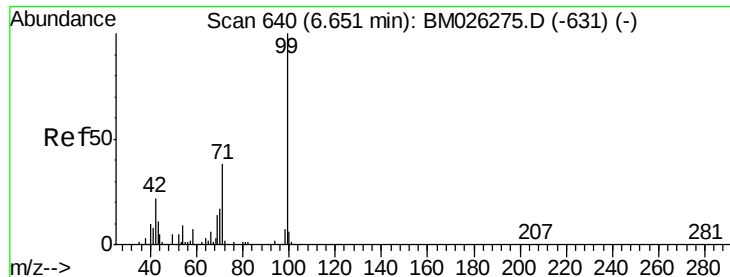


Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BM0  
Ion 63.00 (62.70 to 63.70): BM0



Time-->





#7

Phenol-d6

Concen: 135.392 ng

RT: 6.61 min Scan# 633

Delta R.T. -0.00 min

Lab File: BM026401.D

Acq: 15 Jun 2020 20:57

Instrument :

BNA\_M

ClientSampled :

294

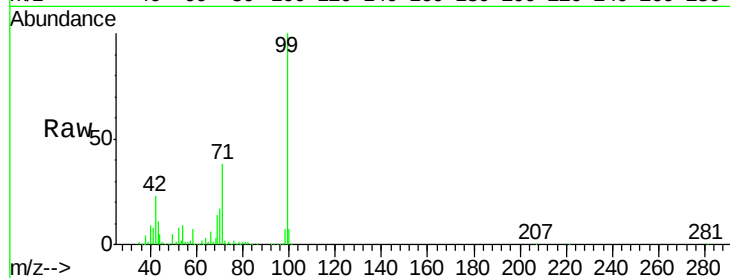
Tot Ion: 99 Resp: 1101101

Ion Ratio Lower Upper

99 100

42 22.6 17.8 26.6

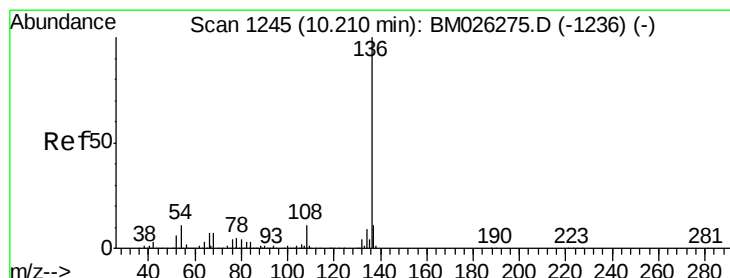
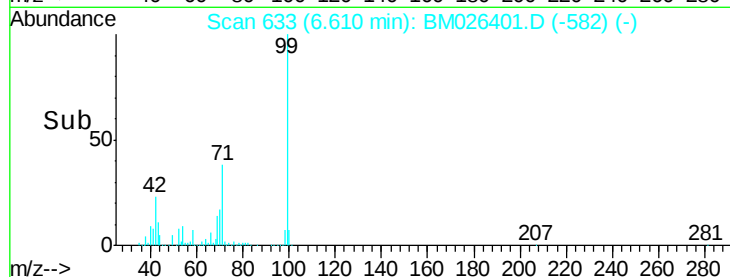
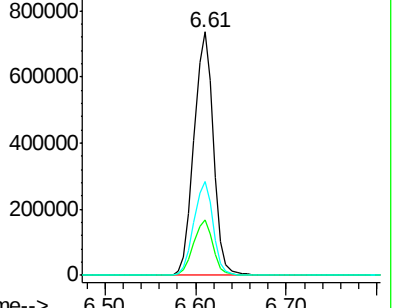
71 38.4 31.0 46.4



Abundance Ion 99.00 (98.70 to 99.70): BM026401.D (-582) (-)

Ion 42.00 (41.70 to 42.70): BM026401.D (-582) (-)

Ion 71.00 (70.70 to 71.70): BM026401.D (-582) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.16 min Scan# 1237

Delta R.T. -0.00 min

Lab File: BM026401.D

Acq: 15 Jun 2020 20:57

Tgt Ion: 136 Resp: 392020

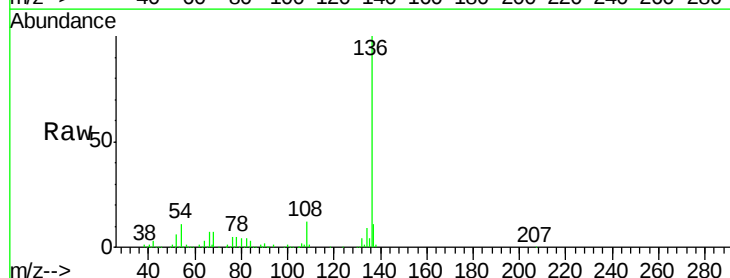
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 11.0 9.0 13.6

68 6.5 5.6 8.4

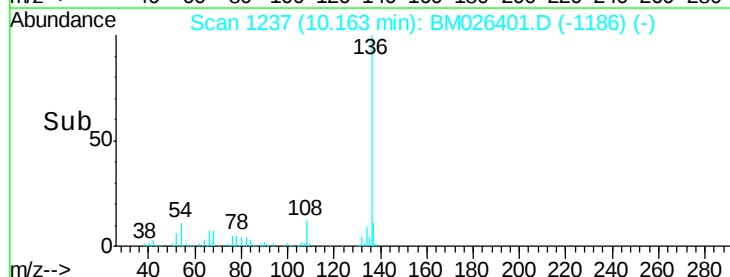
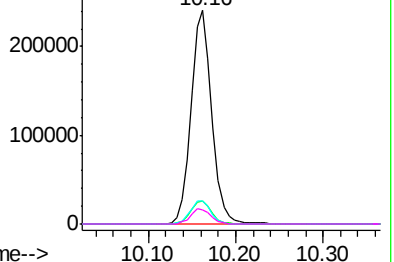


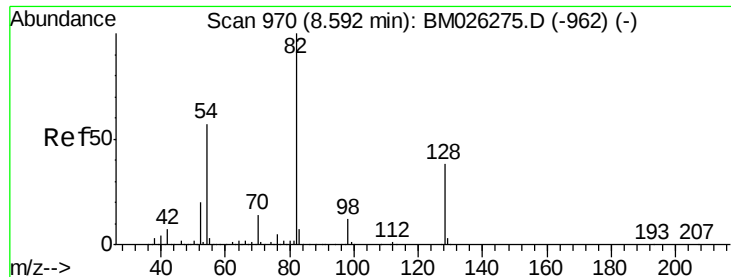
Abundance Ion 136.00 (135.70 to 136.70): BM026401.D (-1186) (-)

Ion 137.00 (136.70 to 137.70): BM026401.D (-1186) (-)

Ion 54.00 (53.70 to 54.70): BM026401.D (-1186) (-)

Ion 68.00 (67.70 to 68.70): BM026401.D (-1186) (-)

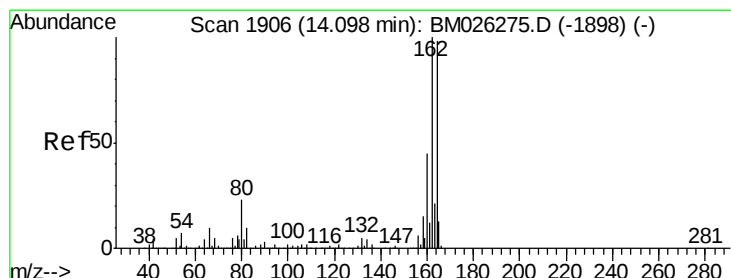
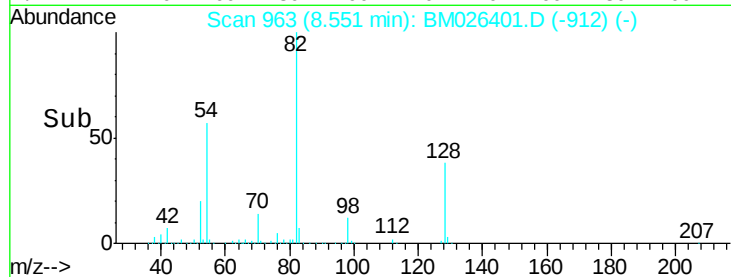
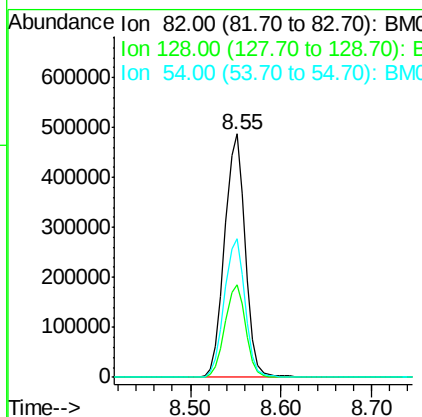
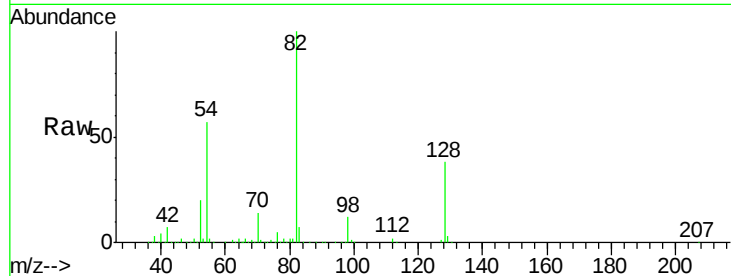




#23  
Nitrobenzene-d5  
Concen: 96.596 ng  
RT: 8.55 min Scan# 963  
Delta R.T. -0.00 min  
Lab File: BM026401.D  
Acq: 15 Jun 2020 20:57

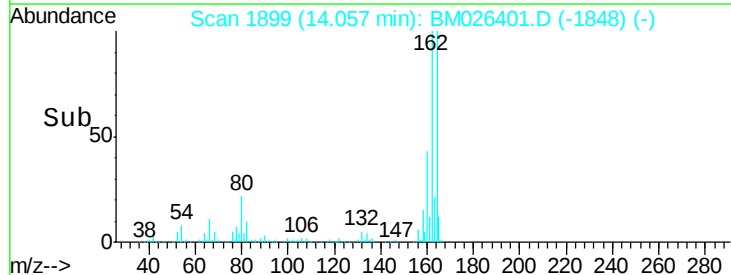
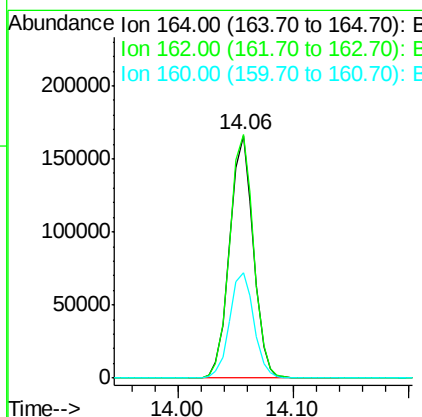
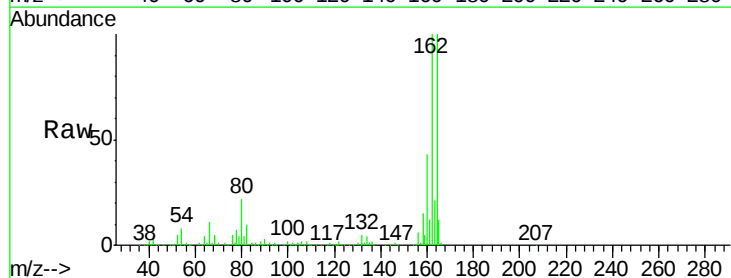
Instrument :  
BNA\_M  
ClientSampleId :  
294

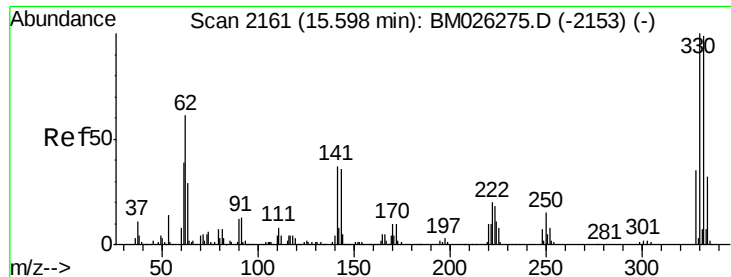
| Tot Ion   | 82    | Resp  | 771234 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 38.1  | 31.0  | 46.6   |
| 54        | 57.1  | 45.4  | 68.2   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.06 min Scan# 1899  
Delta R.T. -0.00 min  
Lab File: BM026401.D  
Acq: 15 Jun 2020 20:57

| Tgt Ion   | 164   | Resp  | 235372 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.2 | 77.7  | 116.5  |
| 160       | 43.6  | 34.2  | 51.2   |

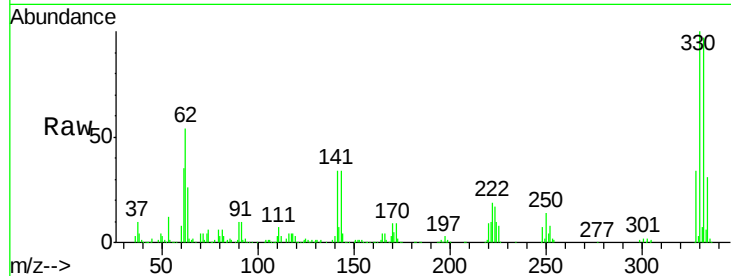




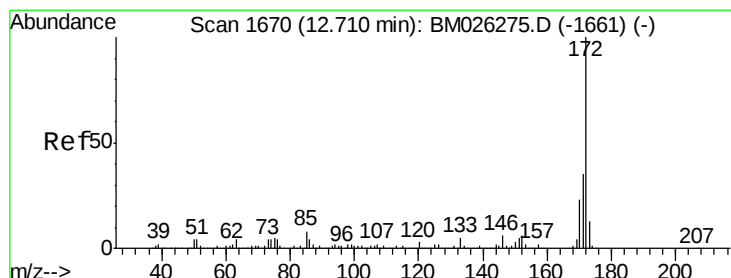
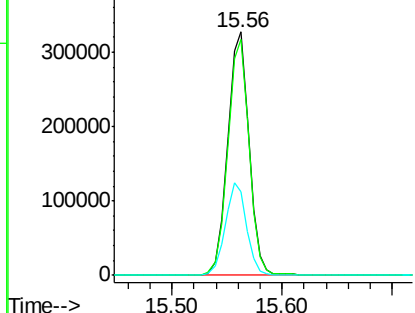
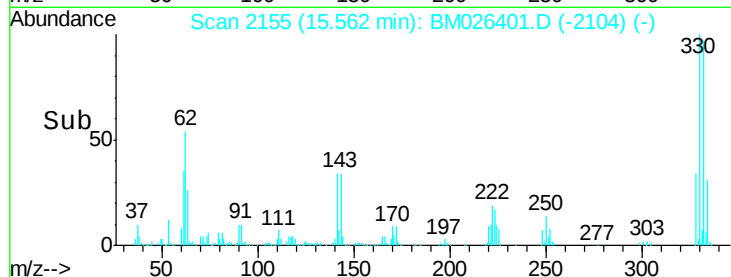
#42  
 2,4,6-Tribromophenol  
 Concen: 156.006 ng  
 RT: 15.56 min Scan# 2155  
 Delta R.T. -0.00 min  
 Lab File: BM026401.D  
 Acq: 15 Jun 2020 20:57

Instrument :  
 BNA\_M  
 ClientSampled :  
 294

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 77.7  | 116.5 |
| 141     | 37.9  | 29.7  | 44.5  |

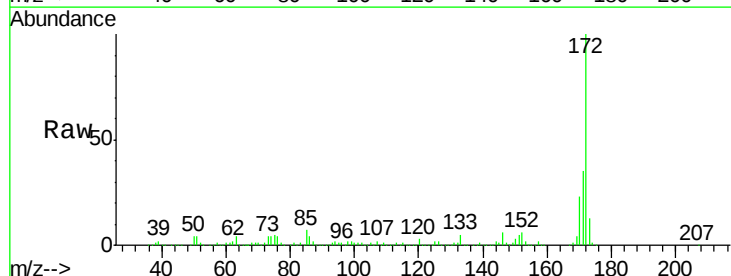


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

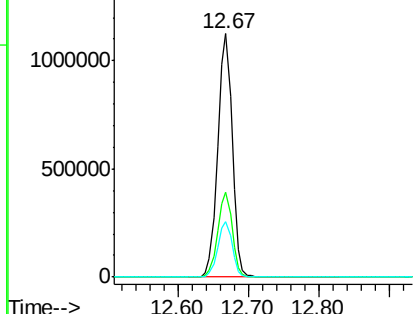
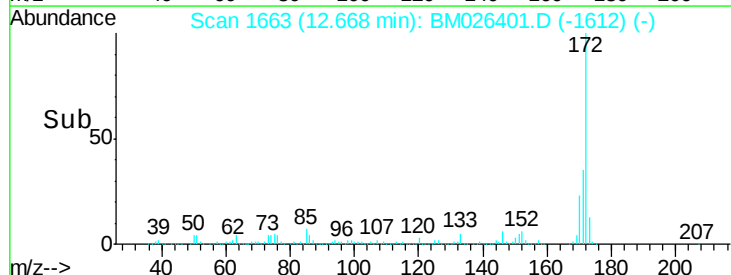


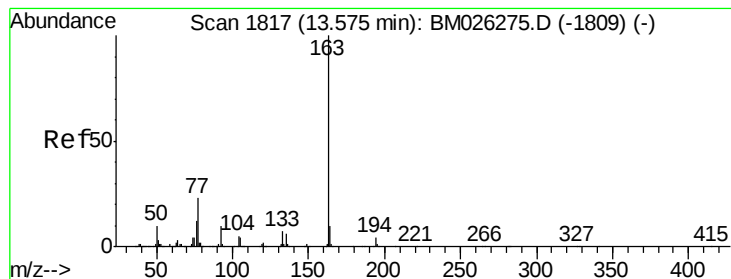
#45  
 2-Fluorobiphenyl  
 Concen: 103.130 ng  
 RT: 12.67 min Scan# 1663  
 Delta R.T. -0.00 min  
 Lab File: BM026401.D  
 Acq: 15 Jun 2020 20:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 27.8  | 41.8  |
| 170     | 22.8  | 18.2  | 27.4  |



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: 15.952 ng

RT: 13.53 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BM026401.D

Acq: 15 Jun 2020 20:57

Instrument :

BNA\_M

ClientSampleId :

294

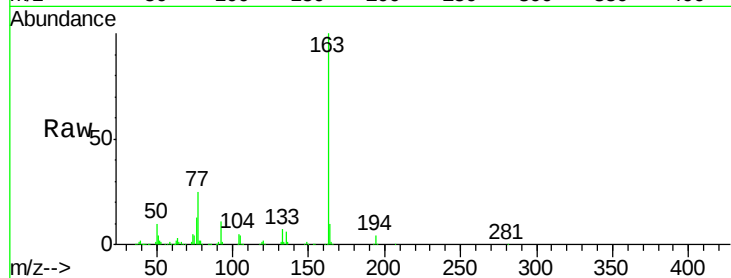
Tot Ion:163 Resp: 274624

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

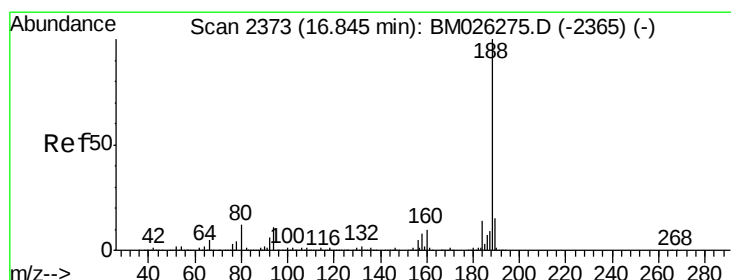
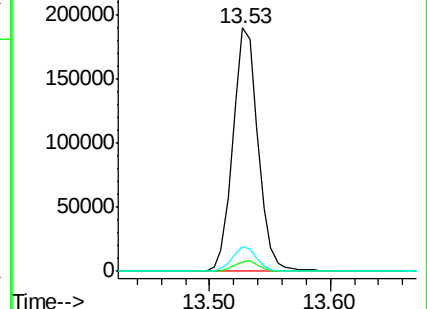
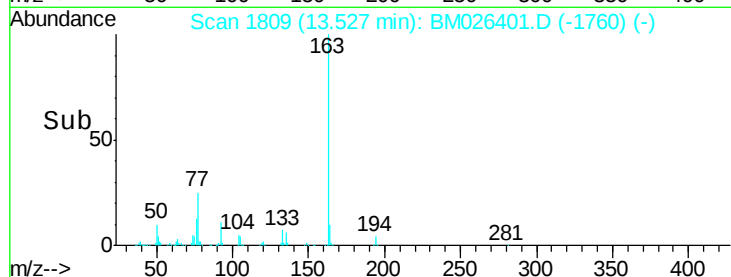
164 10.2 7.8 11.8



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: 16.81 min Scan# 2367

Delta R.T. -0.01 min

Lab File: BM026401.D

Acq: 15 Jun 2020 20:57

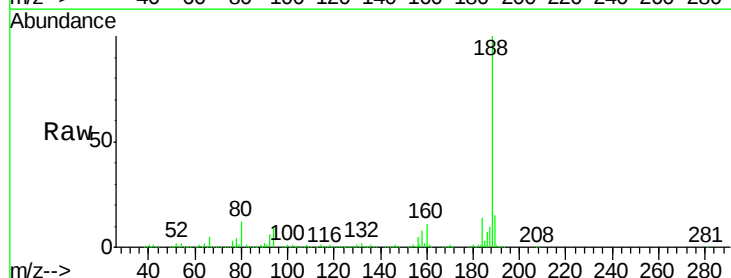
Tgt Ion:188 Resp: 506726

Ion Ratio Lower Upper

188 100

94 9.5 7.8 11.6

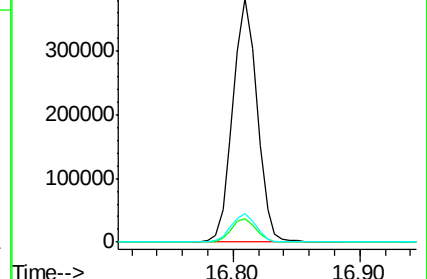
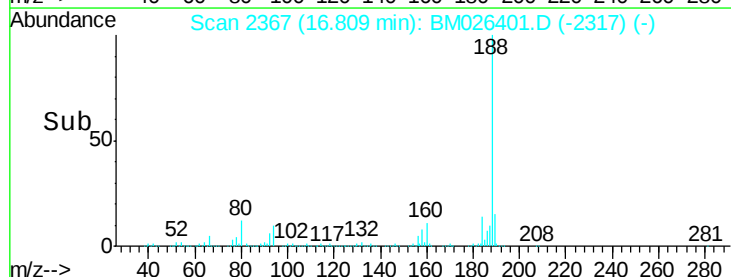
80 11.7 9.5 14.3

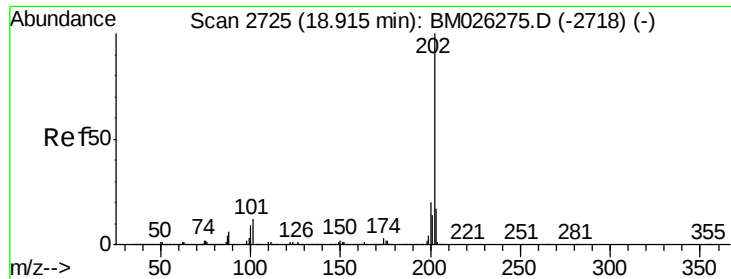


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#75

Fluoranthene

Concen: 2.240 ng

RT: 18.88 min Scan# 2719

Delta R.T. -0.00 min

Lab File: BM026401.D

Acq: 15 Jun 2020 20:57

Instrument :

BNA\_M

ClientSampleId :

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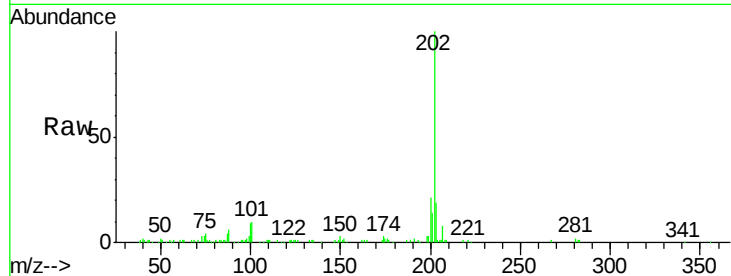
Tot Ion:202 Resp: 67759

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.9

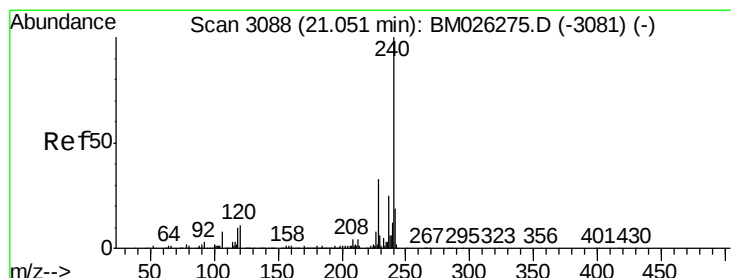
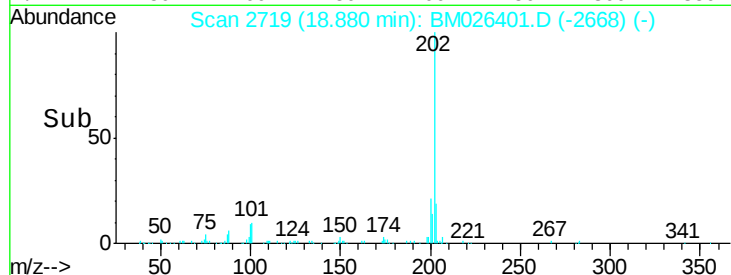
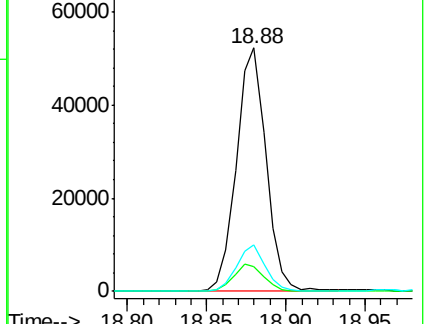
203 19.1 0.0 37.5



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: 21.02 min Scan# 3082

Delta R.T. -0.01 min

Lab File: BM026401.D

Acq: 15 Jun 2020 20:57

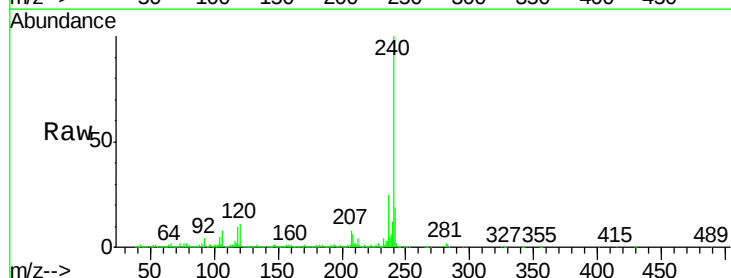
Tgt Ion:240 Resp: 530346

Ion Ratio Lower Upper

240 100

120 10.5 9.3 13.9

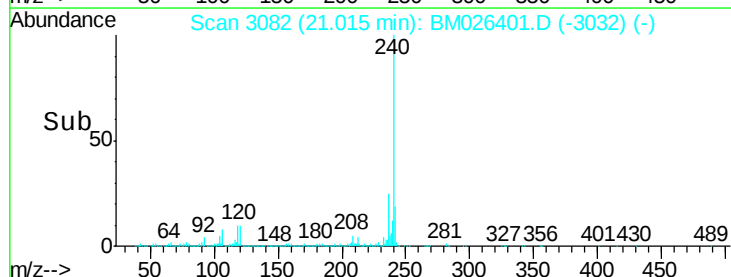
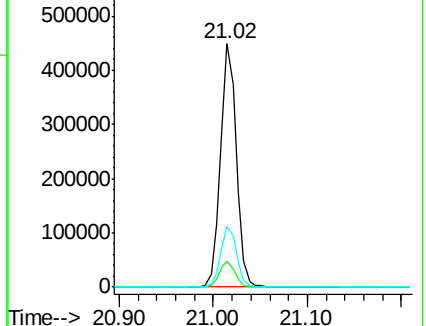
236 25.0 19.4 29.0

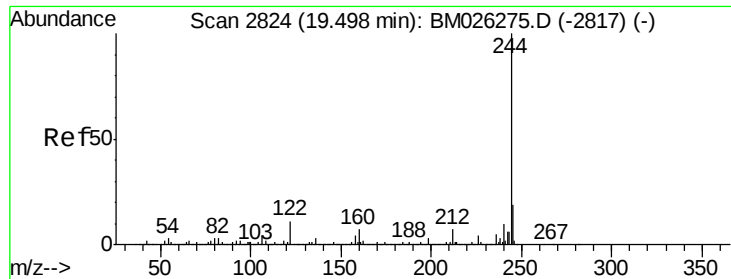


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 96.417 ng

RT: 19.47 min Scan# 2819

Delta R.T. -0.00 min

Lab File: BM026401.D

Acq: 15 Jun 2020 20:57

Instrument :

BNA\_M

ClientSampleId :

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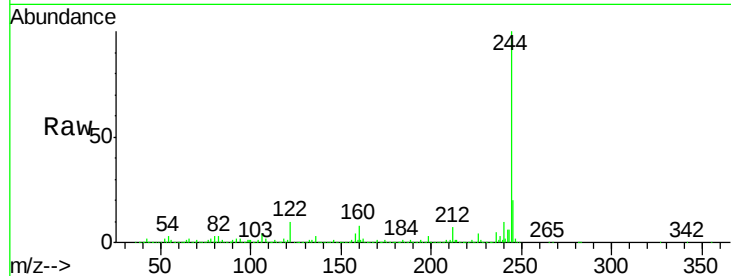
Tot Ion:244 Resp: 2634194

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

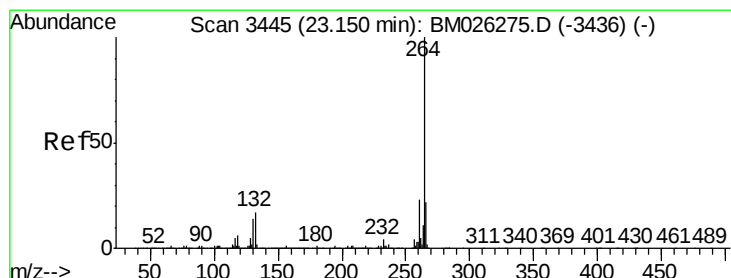
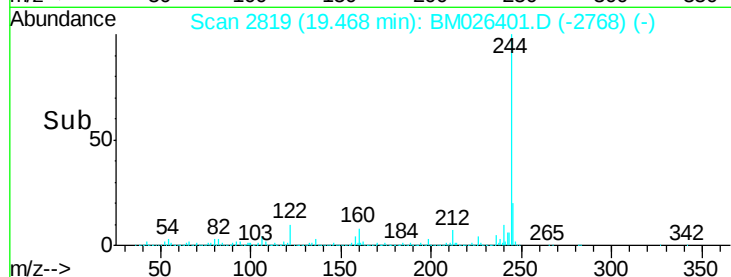
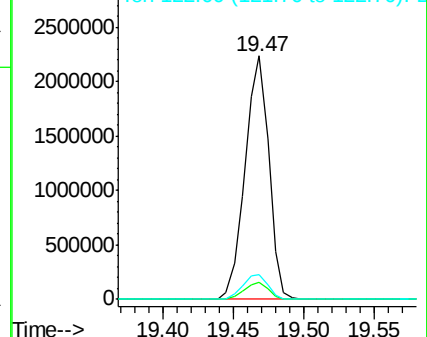
122 10.1 8.6 13.0



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.11 min Scan# 3438

Delta R.T. -0.01 min

Lab File: BM026401.D

Acq: 15 Jun 2020 20:57

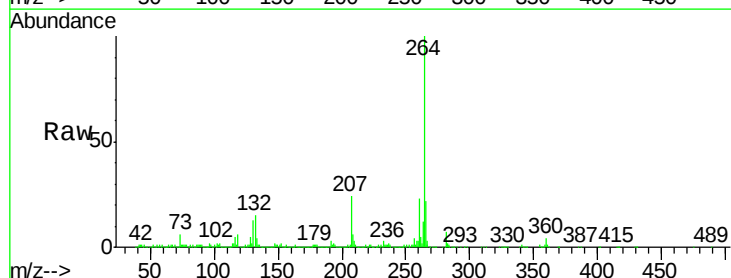
Tgt Ion:264 Resp: 574491

Ion Ratio Lower Upper

264 100

260 22.7 18.6 28.0

265 21.6 17.8 26.6



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

