

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030819\  
 Data File : BM019075.D  
 Acq On : 08 Mar 2019 16:06  
 Operator : JU/SJ  
 Sample : K1807-23  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Mar 08 23:45:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 05 03:36:13 2019  
 Response via : Initial Calibration

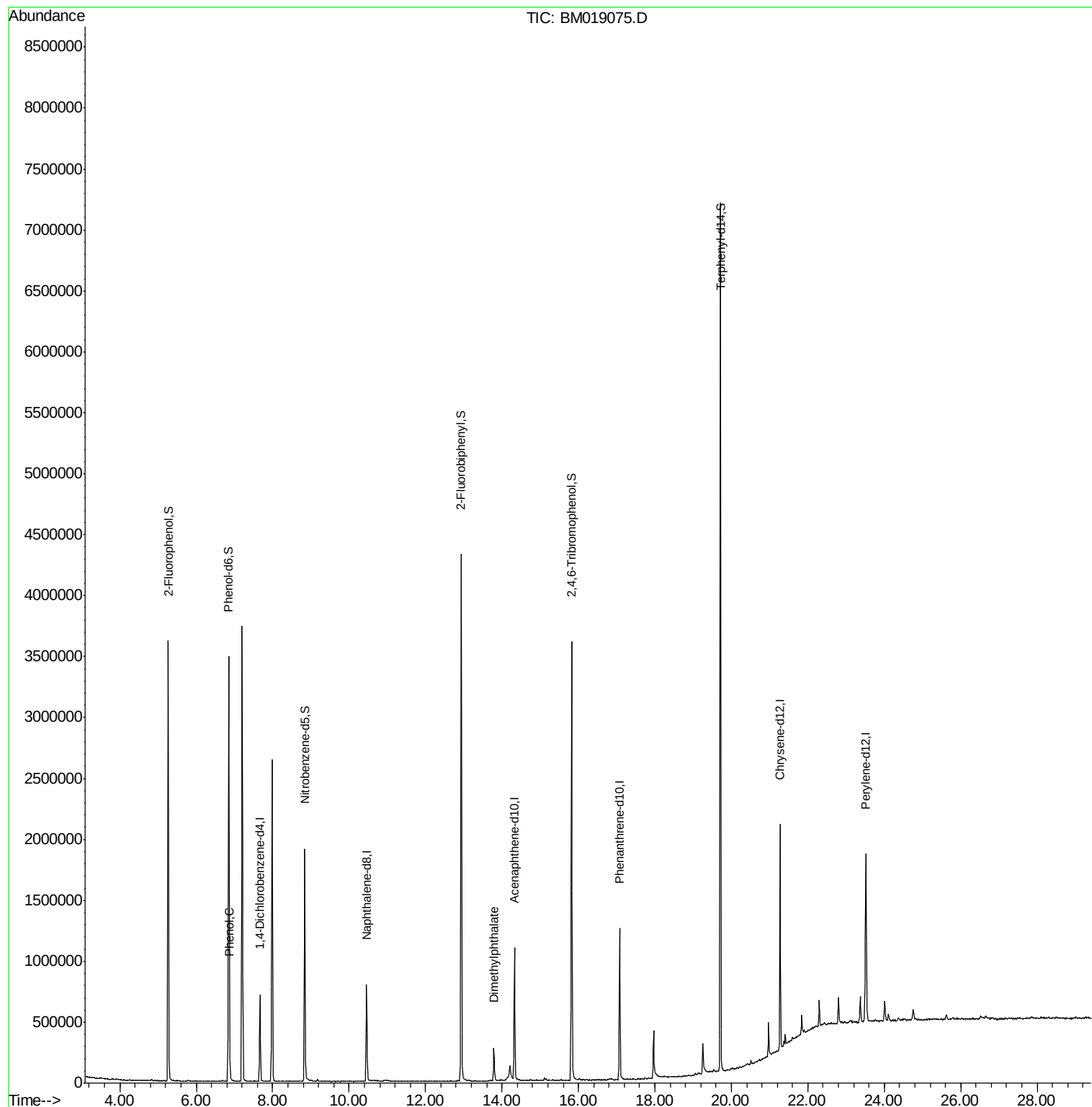
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min)   |
|-----------------------------|-------|------|----------|-----------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.67  | 152  | 182418   | 20.00     | ng    | -0.01      |
| 21) Naphthalene-d8          | 10.46 | 136  | 654846   | 20.00     | ng    | -0.01      |
| 39) Acenaphthene-d10        | 14.32 | 164  | 340650   | 20.00     | ng    | -0.01      |
| 64) Phenanthrene-d10        | 17.08 | 188  | 726760   | 20.00     | ng    | 0.00       |
| 76) Chrysene-d12            | 21.27 | 240  | 838311   | 20.00     | ng    | -0.01      |
| 87) Perylene-d12            | 23.52 | 264  | 989211   | 20.00     | ng    | -0.01      |
| System Monitoring Compounds |       |      |          |           |       |            |
| 5) 2-Fluorophenol           | 5.27  | 112  | 1465064  | 131.59    | ng    | 0.00       |
| 7) Phenol-d6                | 6.85  | 99   | 1977209  | 126.06    | ng    | 0.00       |
| 23) Nitrobenzene-d5         | 8.84  | 82   | 1238970  | 87.48     | ng    | -0.01      |
| 42) 2,4,6-Tribromophenol    | 15.82 | 330  | 670199   | 136.49    | ng    | -0.01      |
| 45) 2-Fluorobiphenyl        | 12.93 | 172  | 2220982  | 86.55     | ng    | -0.02      |
| 79) Terphenyl-d14           | 19.72 | 244  | 3197700  | 78.69     | ng    | -0.01      |
| Target Compounds            |       |      |          |           |       |            |
| 9) Benzaldehyde             | 6.85  | 77   | 5192     | Below Cal |       | Qvalue # 7 |
| 10) Phenol                  | 6.87  | 94   | 56687    | 3.435     | ng    | 90         |
| 50) Dimethylphthalate       | 13.79 | 163  | 187087   | 6.590     | ng    | 100        |

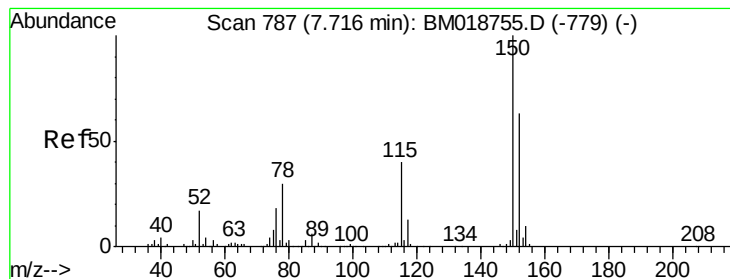
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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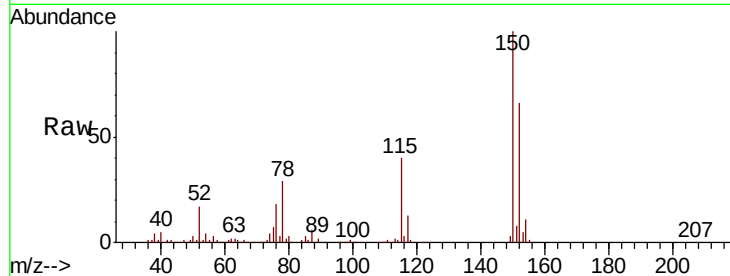


#1

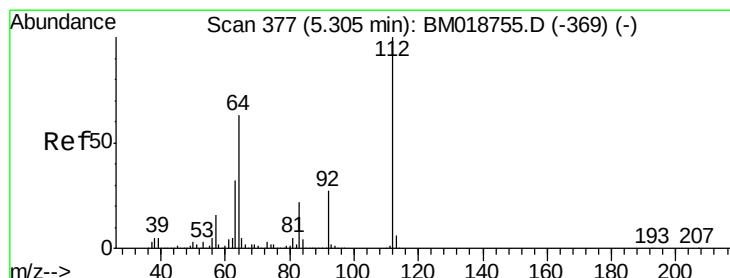
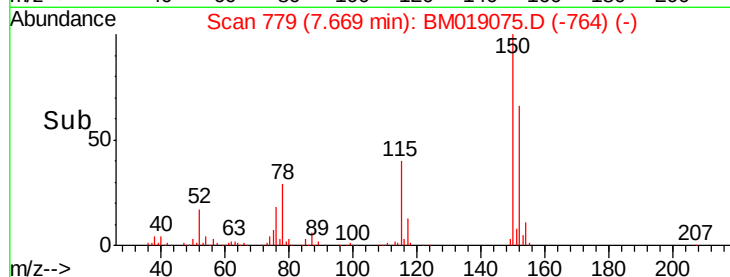
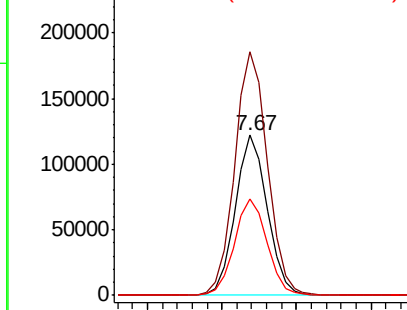
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.67 min Scan# 779  
Delta R.T. -0.01 min  
Lab File: BM019075.D  
Acq: 08 Mar 2019 16:06

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:152 Resp: 182418  
Ion Ratio Lower Upper  
152 100  
150 152.4 127.3 190.9  
115 60.6 50.8 76.2



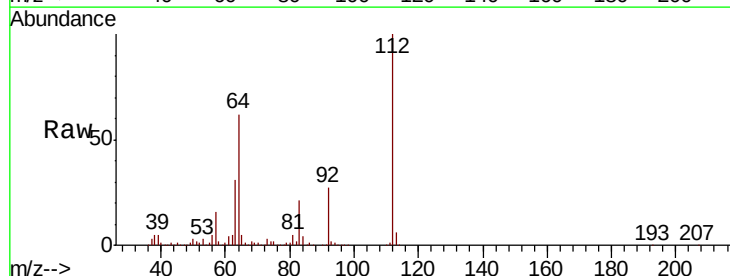
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



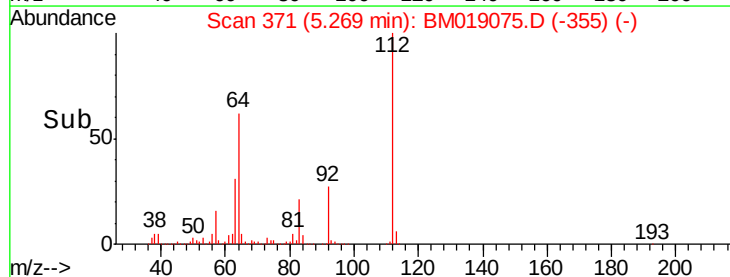
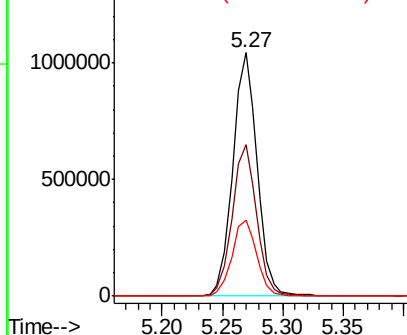
#5

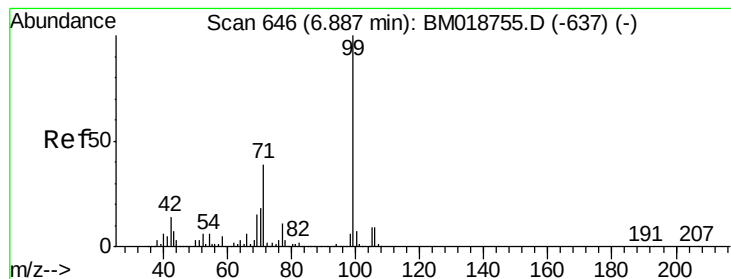
2-Fluorophenol  
Concen: 131.592 ng  
RT: 5.27 min Scan# 371  
Delta R.T. -0.01 min  
Lab File: BM019075.D  
Acq: 08 Mar 2019 16:06

Tgt Ion:112 Resp: 1465064  
Ion Ratio Lower Upper  
112 100  
64 62.0 50.6 75.8  
63 31.1 25.7 38.5



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: 126.063 ng

RT: 6.85 min Scan# 640

Delta R.T. -0.01 min

Lab File: BM019075.D

Acq: 08 Mar 2019 16:06

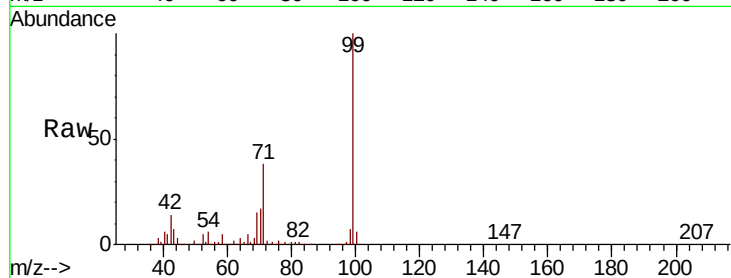
Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 99 Resp: 1977209

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.5  | 11.0  | 16.6  |
| 71  | 37.7  | 31.3  | 46.9  |

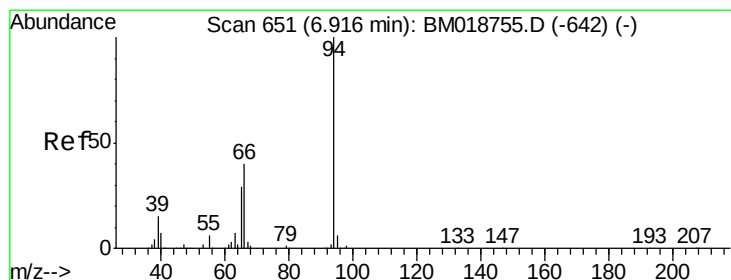
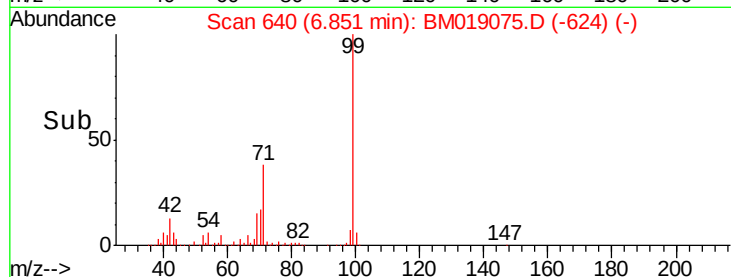
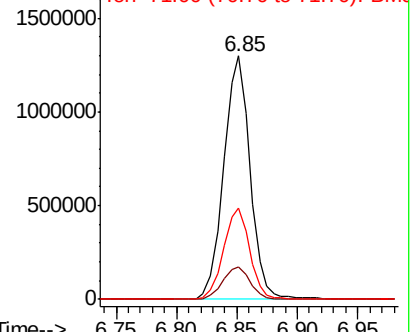


Abundance

Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#10

Phenol

Concen: 3.435 ng

RT: 6.87 min Scan# 644

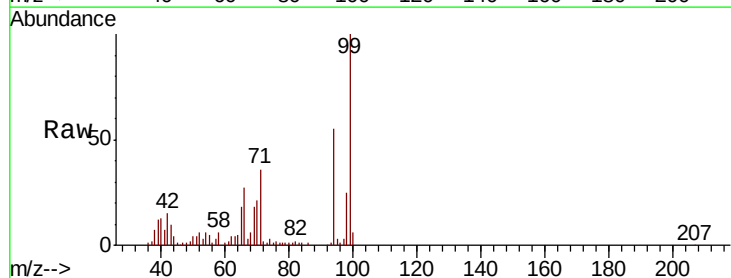
Delta R.T. -0.01 min

Lab File: BM019075.D

Acq: 08 Mar 2019 16:06

Tgt Ion: 94 Resp: 56687

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 31.8  | 9.6   | 49.6  |
| 66  | 49.5  | 20.4  | 60.4  |

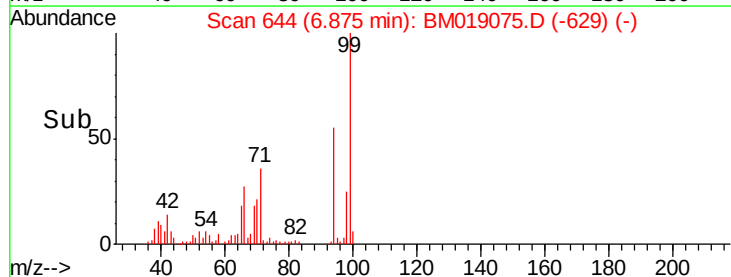
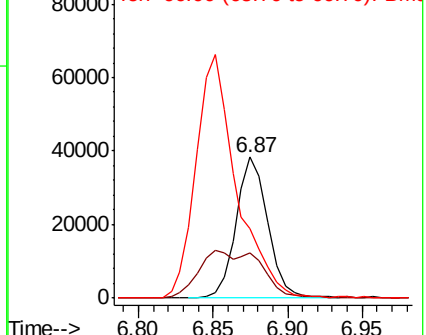


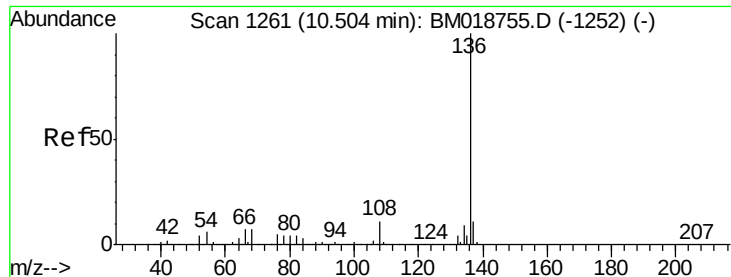
Abundance

Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM018755.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM018755.D (-642) (-)

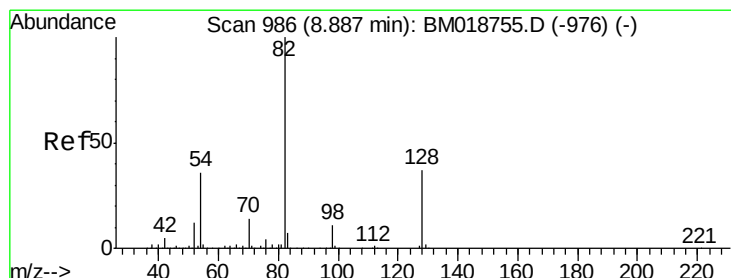
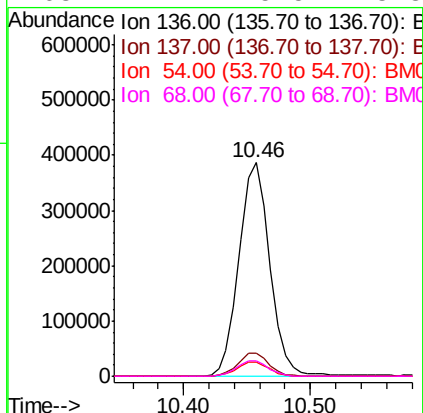
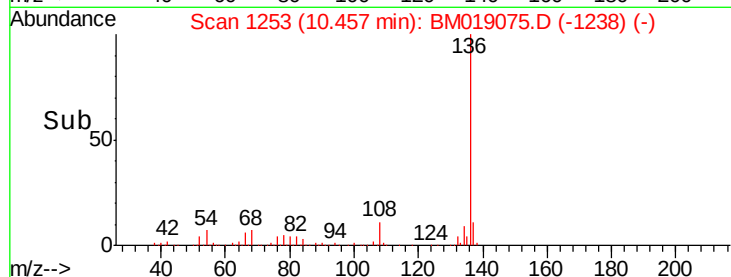
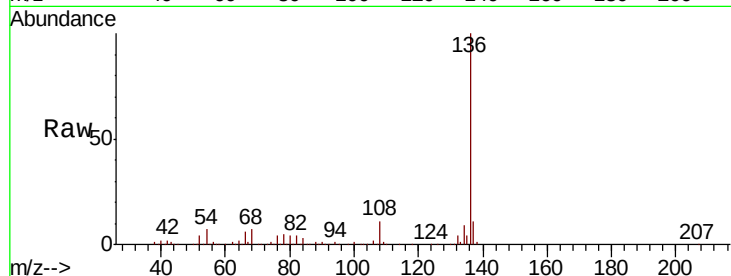




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.46 min Scan# 1253  
Delta R.T. -0.01 min  
Lab File: BM019075.D  
Acq: 08 Mar 2019 16:06

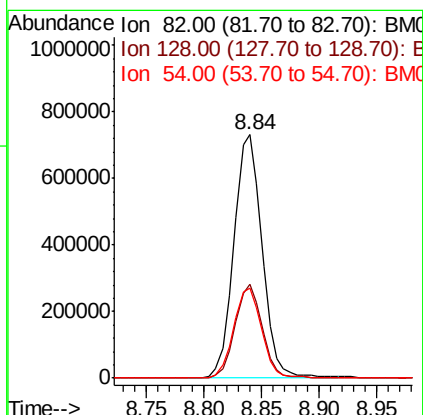
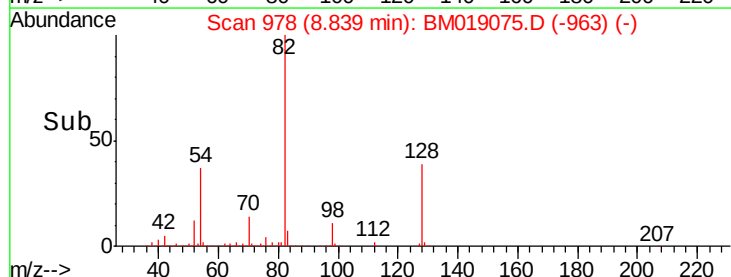
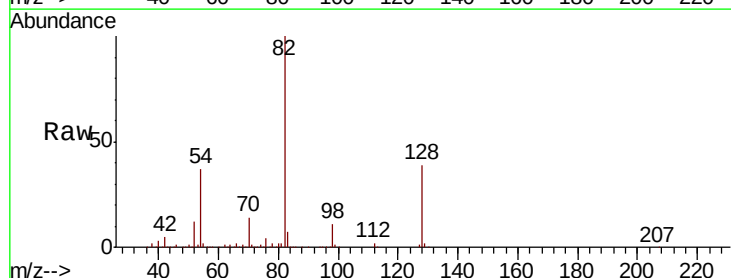
Instrument :  
BNA\_M  
ClientSampled :

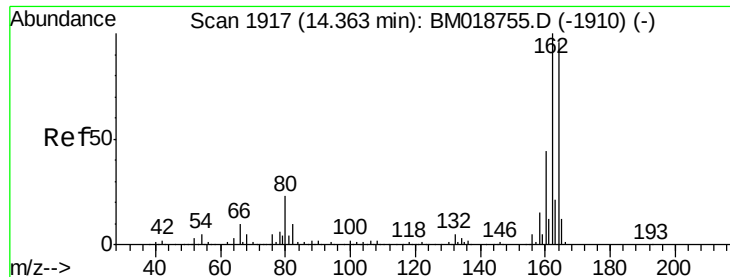
|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 654846 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.7    | 8.8   | 13.2   |  |
| 54 6.6      | 5.0   | 7.6    |  |
| 68 7.1      | 5.5   | 8.3    |  |



#23  
Nitrobenzene-d5  
Concen: 87.484 ng  
RT: 8.84 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: BM019075.D  
Acq: 08 Mar 2019 16:06

|     |         |               |       |
|-----|---------|---------------|-------|
| Tgt | Ion: 82 | Resp: 1238970 |       |
| Ion | Ratio   | Lower         | Upper |
| 82  | 100     |               |       |
| 128 | 38.6    | 29.9          | 44.9  |
| 54  | 37.1    | 29.1          | 43.7  |

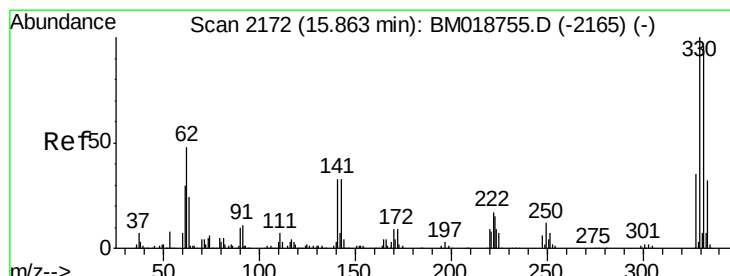
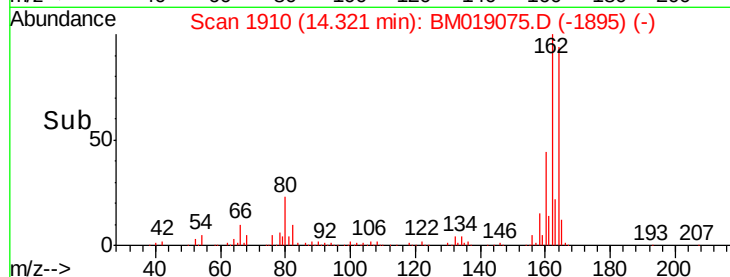
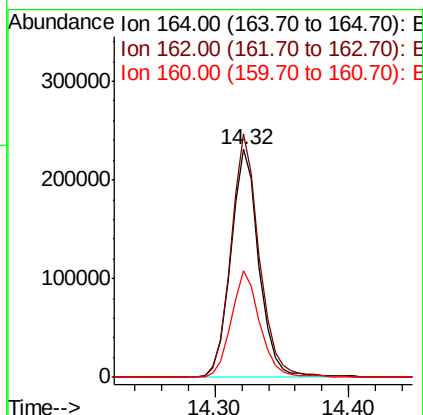
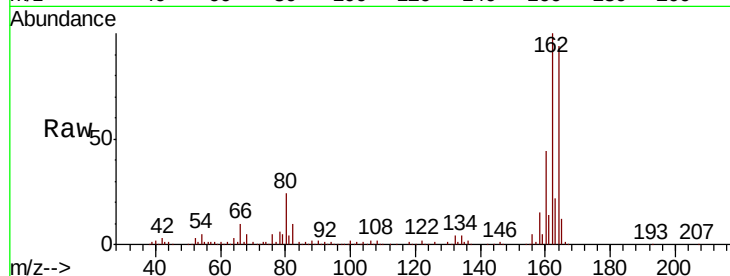




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.32 min Scan# 1910  
 Delta R.T. -0.01 min  
 Lab File: BM019075.D  
 Acq: 08 Mar 2019 16:06

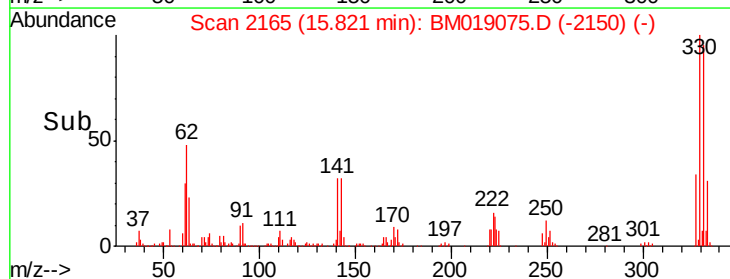
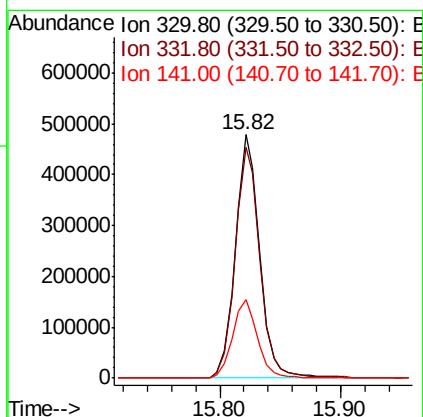
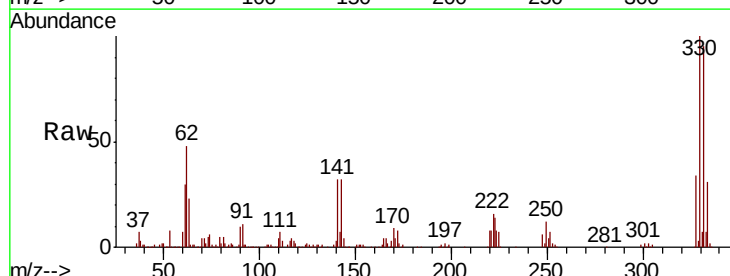
Instrument :  
 BNA\_M  
 ClientSampleId :

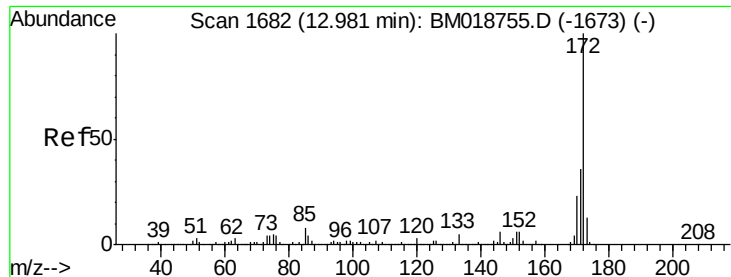
Tot Ion:164 Resp: 340650  
 Ion Ratio Lower Upper  
 164 100  
 162 106.7 83.4 125.0  
 160 46.6 36.6 55.0



#42  
 2,4,6-Tribromophenol  
 Concen: 136.486 ng  
 RT: 15.82 min Scan# 2165  
 Delta R.T. -0.01 min  
 Lab File: BM019075.D  
 Acq: 08 Mar 2019 16:06

Tgt Ion:330 Resp: 670199  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 76.9 115.3  
 141 33.2 28.7 43.1

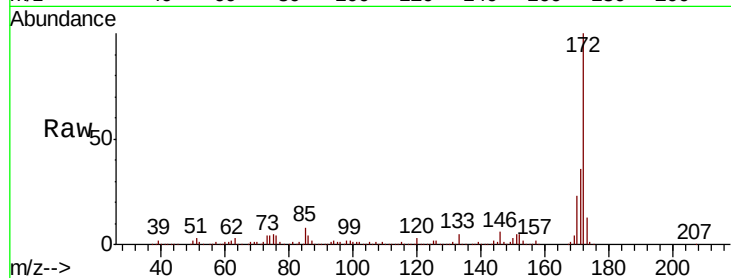




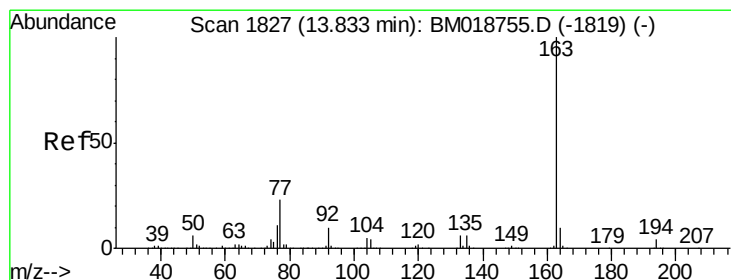
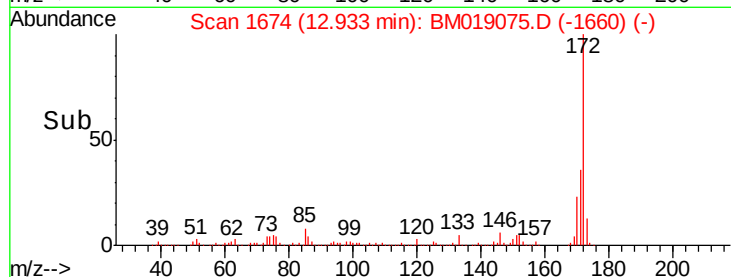
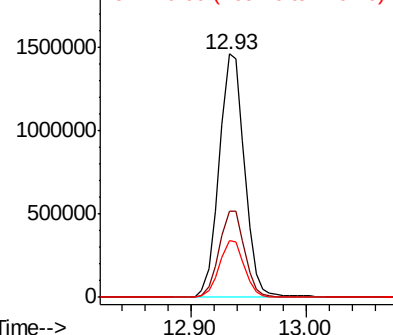
#45  
2-Fluorobiphenyl  
Concen: 86.549 ng  
RT: 12.93 min Scan# 1674  
Delta R.T. -0.02 min  
Lab File: BM019075.D  
Acq: 08 Mar 2019 16:06

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:172 Resp: 2220982  
Ion Ratio Lower Upper  
172 100  
171 35.6 29.0 43.6  
170 23.2 18.6 28.0

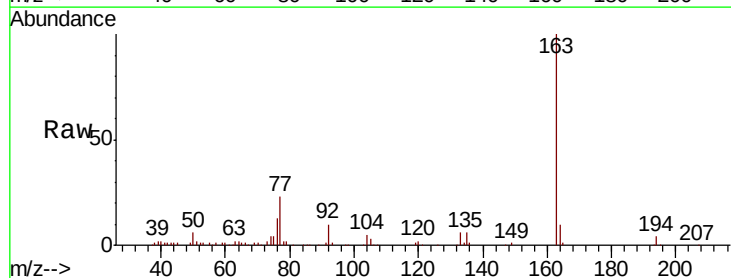


Abundance Ion 172.00 (171.70 to 172.70): E  
2000000 Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

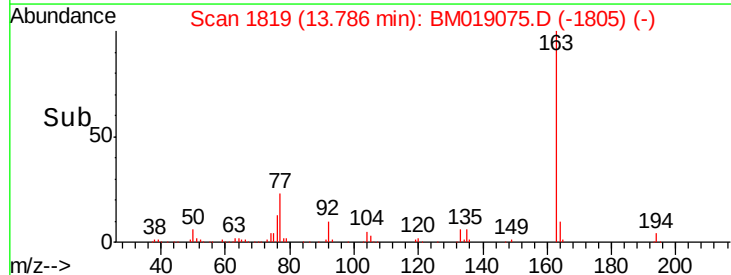
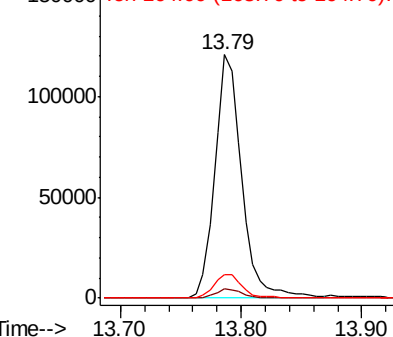


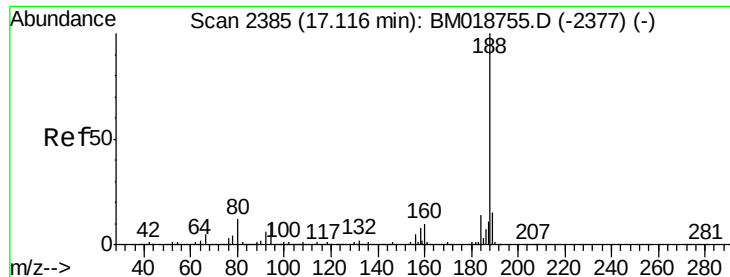
#50  
Dimethylphthalate  
Concen: 6.590 ng  
RT: 13.79 min Scan# 1819  
Delta R.T. -0.02 min  
Lab File: BM019075.D  
Acq: 08 Mar 2019 16:06

Tgt Ion:163 Resp: 187087  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.2 4.8  
164 9.9 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E  
150000 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: 17.08 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM019075.D

Acq: 08 Mar 2019 16:06

Instrument :

BNA\_M

ClientSampleId :

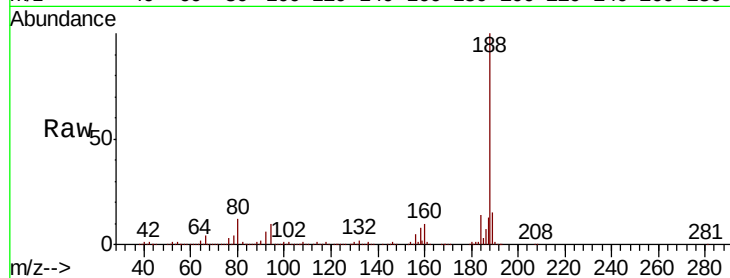
Tot Ion:188 Resp: 726760

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.2

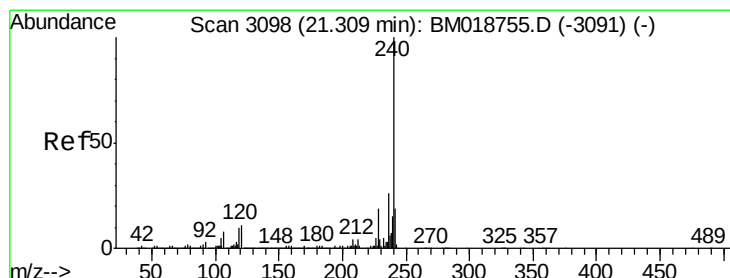
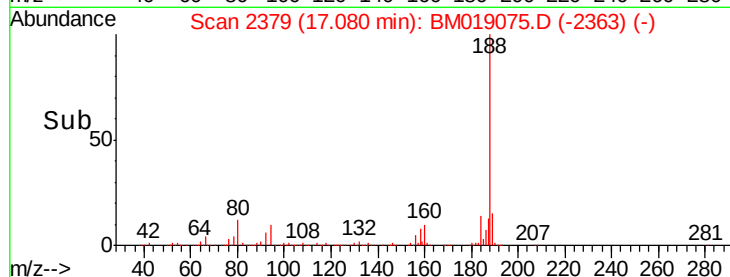
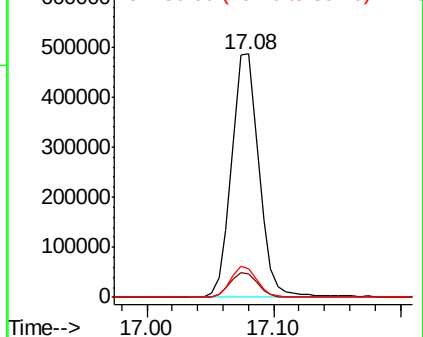
80 11.7 9.7 14.5



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# 3092

Delta R.T. -0.01 min

Lab File: BM019075.D

Acq: 08 Mar 2019 16:06

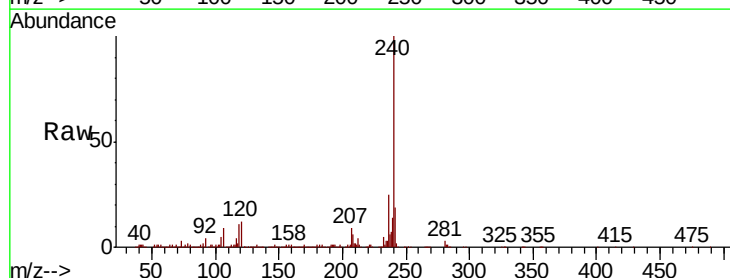
Tgt Ion:240 Resp: 838311

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

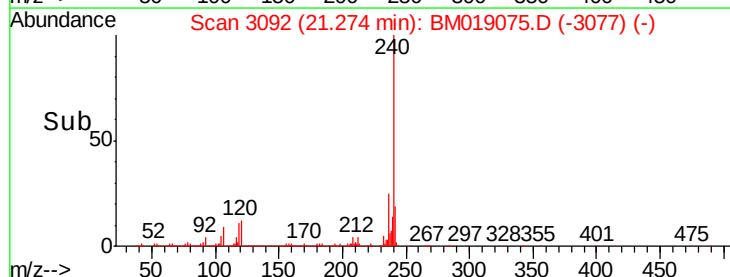
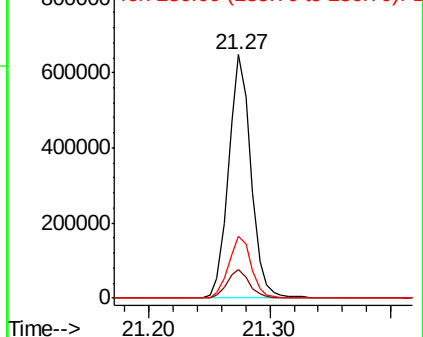
236 25.5 20.9 31.3



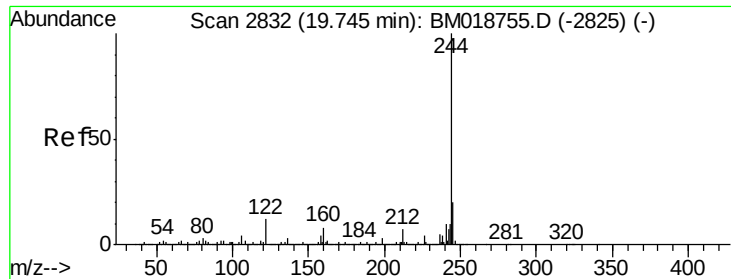
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 78.688 ng

RT: 19.72 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BM019075.D

Acq: 08 Mar 2019 16:06

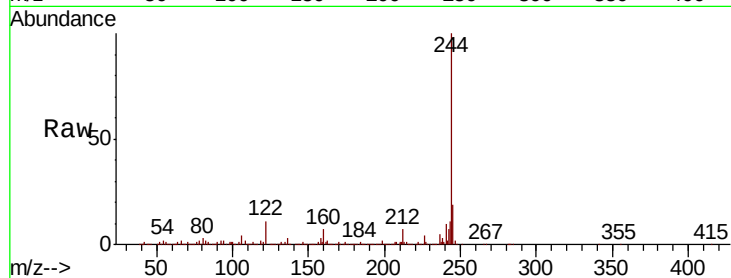
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:244 Resp: 3197700

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.5   | 5.6   | 8.4   |
| 122 | 10.9  | 9.3   | 13.9  |

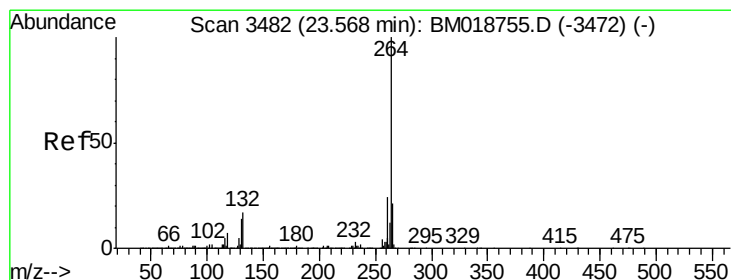
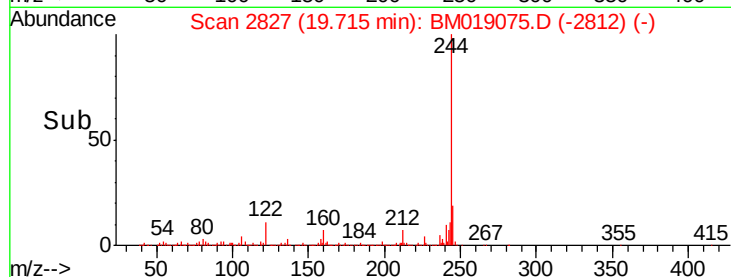
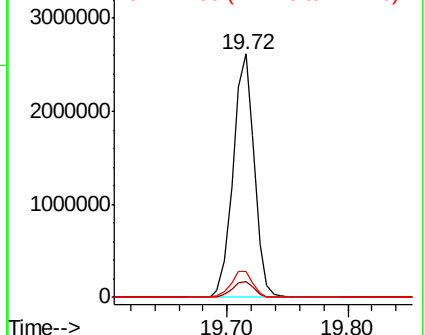


Abundance

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: 23.52 min Scan# 3474

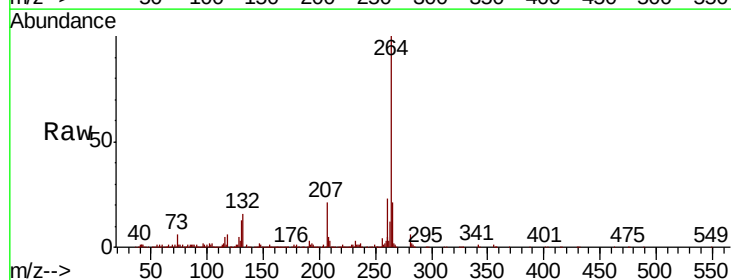
Delta R.T. -0.01 min

Lab File: BM019075.D

Acq: 08 Mar 2019 16:06

Tgt Ion:264 Resp: 989211

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 18.9  | 28.3  |
| 265 | 21.1  | 17.3  | 25.9  |



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

