

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022819\  
 Data File : BM018976.D  
 Acq On : 28 Feb 2019 19:14  
 Operator : JU/SJ  
 Sample : K1341-08  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 HR-06-022719-A

Quant Time: Mar 01 01:38:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

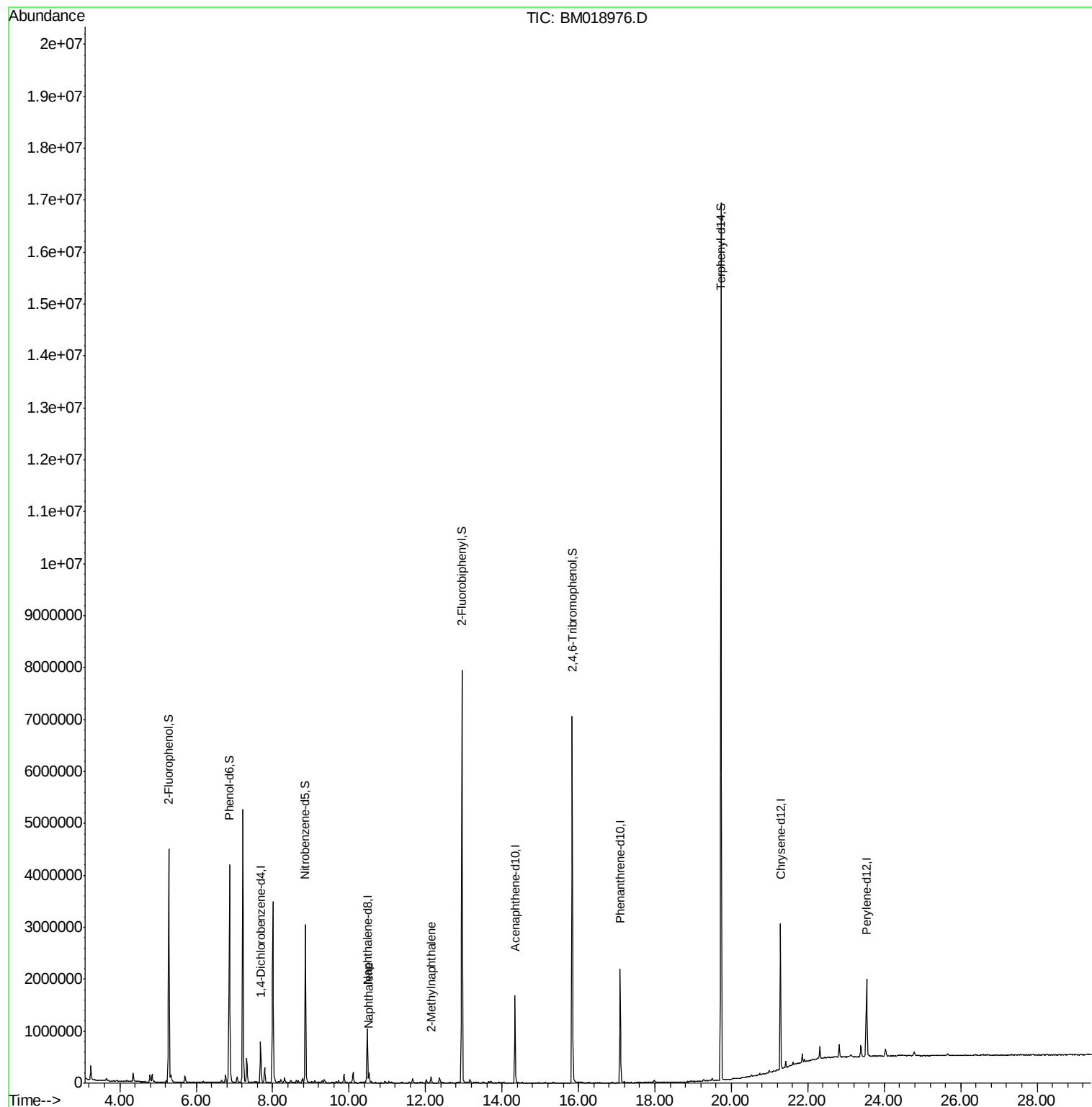
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 201174   | 20.00  | ng    | -0.03      |
| 21) Naphthalene-d8          | 10.47 | 136  | 851938   | 20.00  | ng    | -0.03      |
| 39) Acenaphthene-d10        | 14.34 | 164  | 519898   | 20.00  | ng    | -0.02      |
| 64) Phenanthrene-d10        | 17.09 | 188  | 1202197  | 20.00  | ng    | -0.02      |
| 76) Chrysene-d12            | 21.29 | 240  | 1182936  | 20.00  | ng    | -0.02      |
| 87) Perylene-d12            | 23.54 | 264  | 1065119  | 20.00  | ng    | -0.03      |
| System Monitoring Compounds |       |      |          |        |       |            |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1875391  | 152.74 | ng    | -0.02      |
| 7) Phenol-d6                | 6.87  | 99   | 2479337  | 143.34 | ng    | -0.02      |
| 23) Nitrobenzene-d5         | 8.86  | 82   | 1942828  | 105.45 | ng    | -0.03      |
| 42) 2,4,6-Tribromophenol    | 15.84 | 330  | 1304654  | 174.09 | ng    | -0.02      |
| 45) 2-Fluorobiphenyl        | 12.95 | 172  | 3908355  | 99.79  | ng    | -0.03      |
| 79) Terphenyl-d14           | 19.73 | 244  | 7199561  | 125.55 | ng    | -0.02      |
| Target Compounds            |       |      |          |        |       |            |
| 31) Naphthalene             | 10.52 | 128  | 135220   | 3.254  | ng    | Qvalue 100 |
| 37) 2-Methylnaphthalene     | 12.15 | 142  | 61893    | 2.116  | ng    | 93         |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022819\  
Data File : BM018976.D  
Acq On : 28 Feb 2019 19:14  
Operator : JU/SJ  
Sample : K1341-08  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
HR-06-022719-A

Quant Time: Mar 01 01:38:56 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 11 16:02:12 2019  
Response via : Initial Calibration



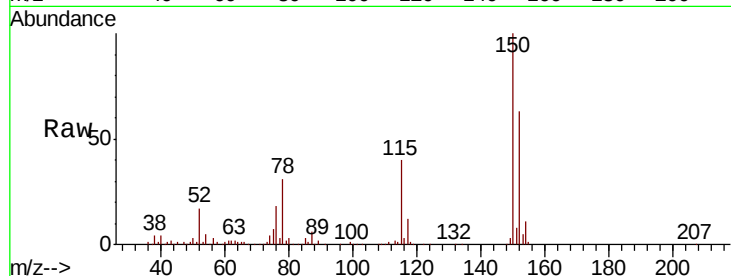


#1

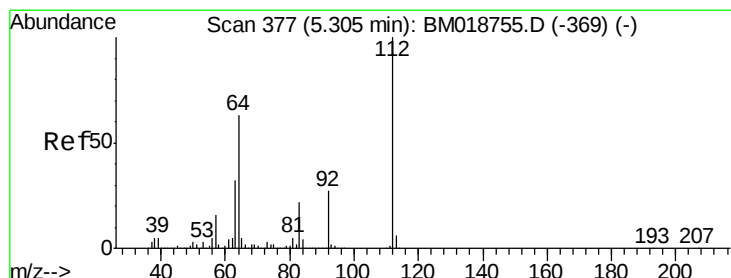
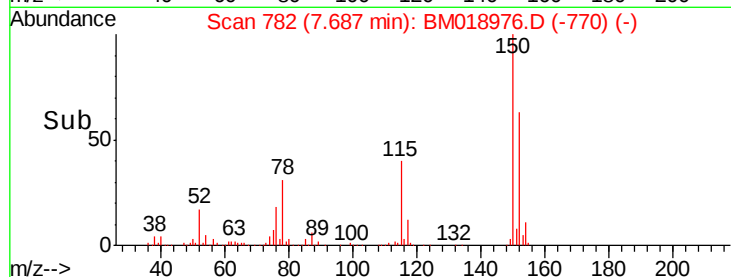
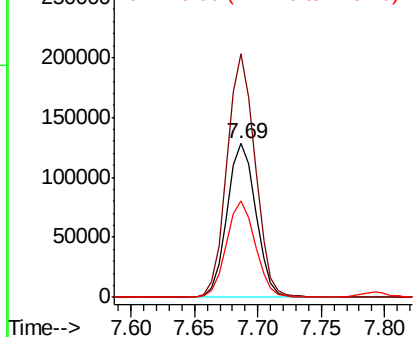
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.69 min Scan# 782  
Delta R.T. -0.03 min  
Lab File: BM018976.D  
Acq: 28 Feb 2019 19:14

Instrument :  
BNA\_M  
ClientSampleId :  
HR-06-022719-A

Tot Ion:152 Resp: 201174  
Ion Ratio Lower Upper  
152 100  
150 158.4 127.3 190.9  
115 63.0 50.8 76.2



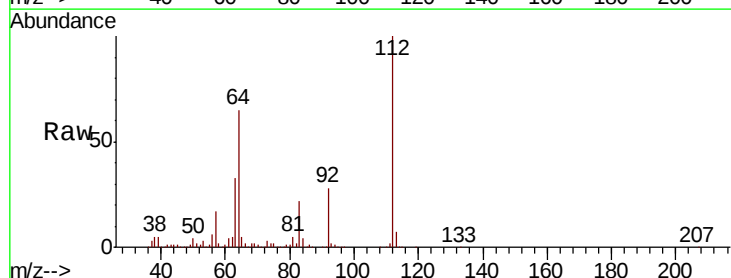
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



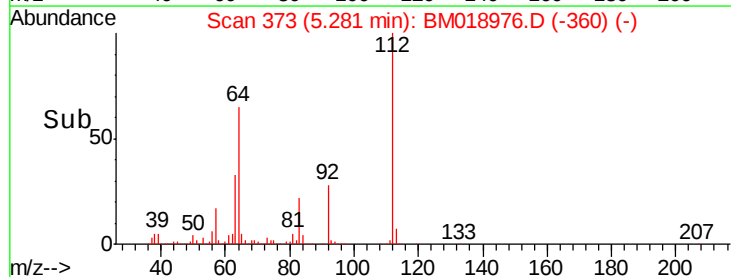
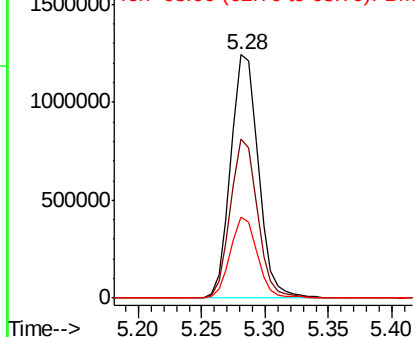
#5

2-Fluorophenol  
Concen: 152.742 ng  
RT: 5.28 min Scan# 373  
Delta R.T. -0.02 min  
Lab File: BM018976.D  
Acq: 28 Feb 2019 19:14

Tgt Ion:112 Resp: 1875391  
Ion Ratio Lower Upper  
112 100  
64 65.5 50.6 75.8  
63 33.5 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: 143.340 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018976.D

Acq: 28 Feb 2019 19:14

Instrument :

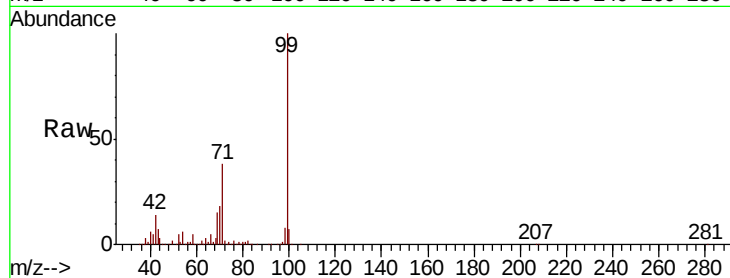
BNA\_M

ClientSampleId :

HR-06-022719-A

Tot Ion: 99 Resp: 2479337

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.8  | 11.0  | 16.6  |
| 71  | 37.7  | 31.3  | 46.9  |

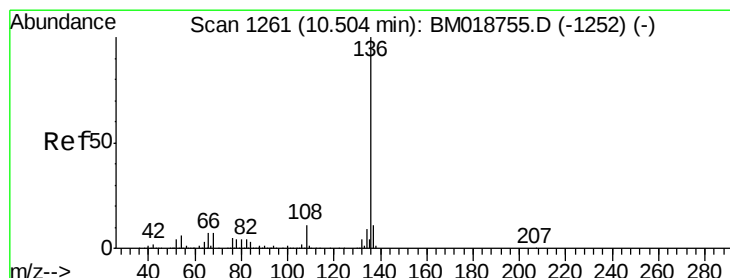
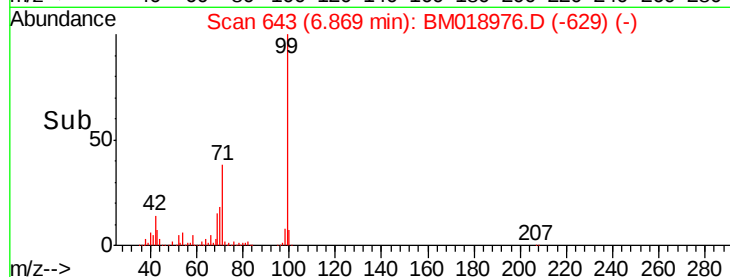
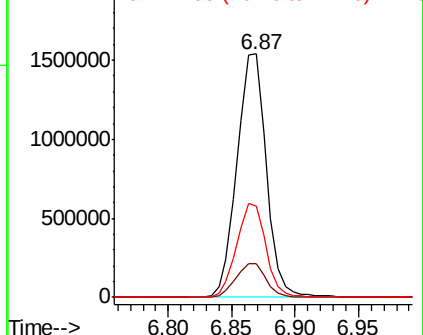


Abundance

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) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.47 min Scan# 1256

Delta R.T. -0.03 min

Lab File: BM018976.D

Acq: 28 Feb 2019 19:14

Tgt Ion: 136 Resp: 851938

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 7.0   | 5.0   | 7.6   |
| 68  | 7.0   | 5.5   | 8.3   |

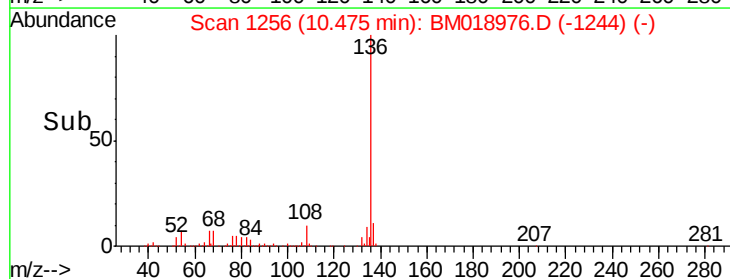
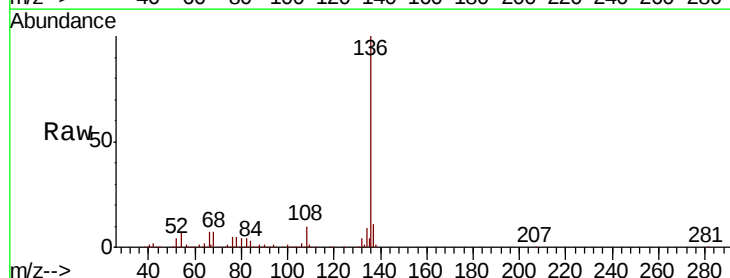
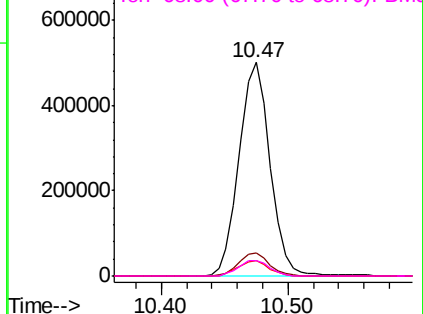
Abundance

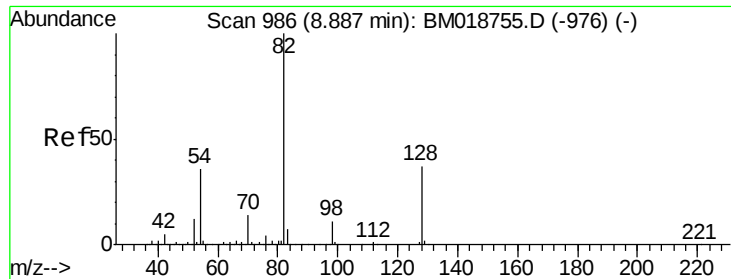
Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)

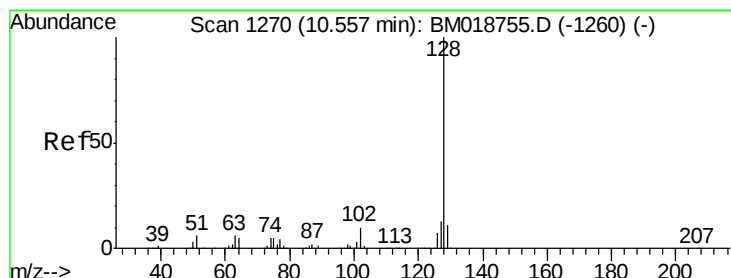
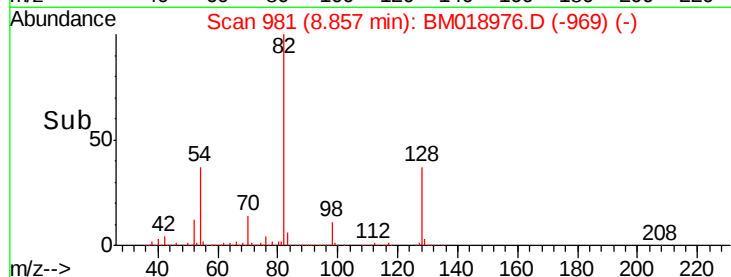
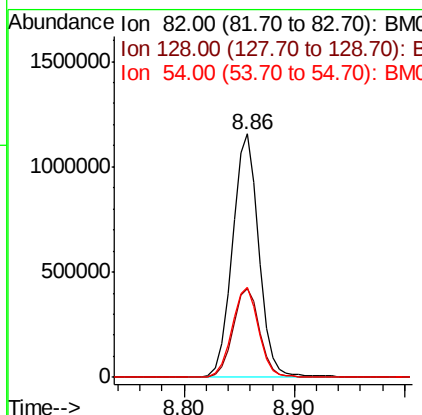
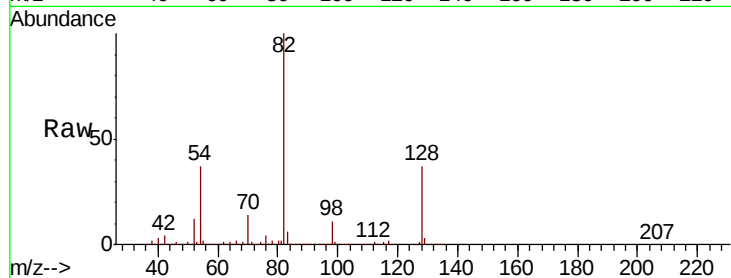




#23  
 Nitrobenzene-d5  
 Concen: 105.446 ng  
 RT: 8.86 min Scan# 981  
 Delta R.T. -0.03 min  
 Lab File: BM018976.D  
 Acq: 28 Feb 2019 19:14

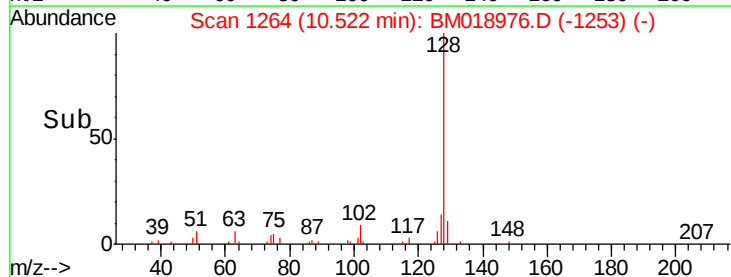
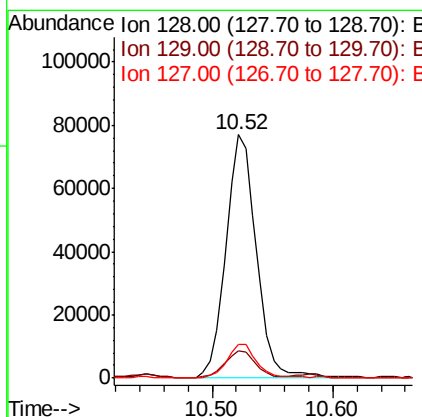
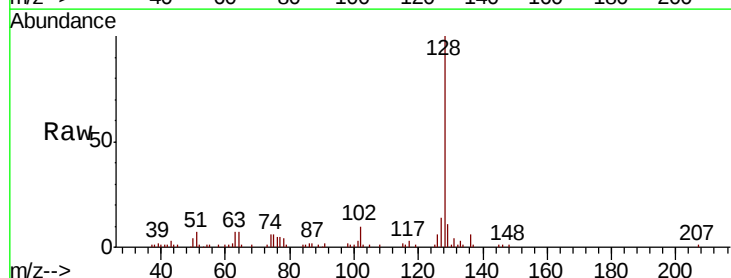
Instrument :  
 BNA\_M  
 ClientSampleId :  
 HR-06-022719-A

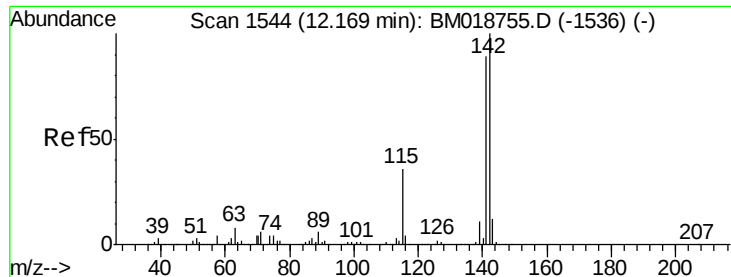
Tot Ion: 82 Resp: 1942828  
 Ion Ratio Lower Upper  
 82 100  
 128 36.5 29.9 44.9  
 54 37.2 29.1 43.7



#31  
 Naphthalene  
 Concen: 3.254 ng  
 RT: 10.52 min Scan# 1264  
 Delta R.T. -0.04 min  
 Lab File: BM018976.D  
 Acq: 28 Feb 2019 19:14

Tgt Ion: 128 Resp: 135220  
 Ion Ratio Lower Upper  
 128 100  
 129 11.2 9.0 13.4  
 127 13.7 10.7 16.1

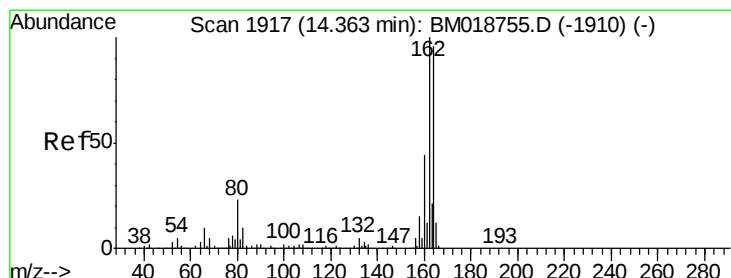
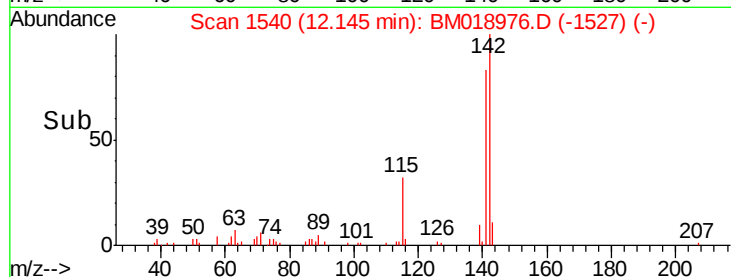
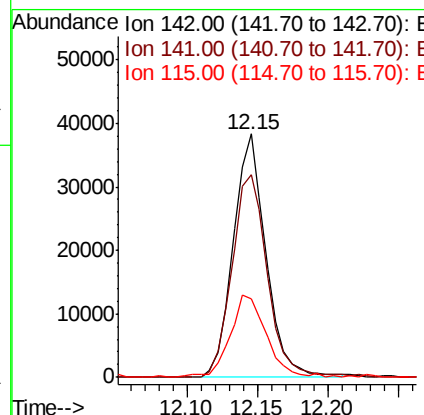
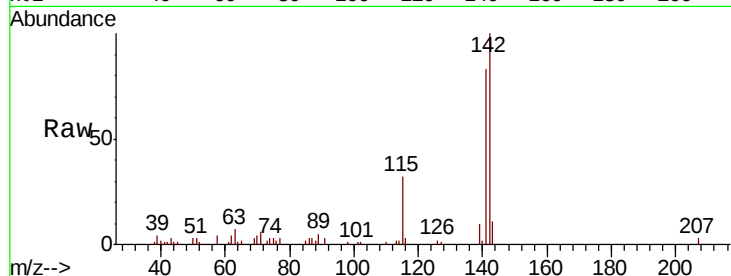




#37  
2-Methylnaphthalene  
Concen: 2.116 ng  
RT: 12.15 min Scan# 1540  
Delta R.T. -0.02 min  
Lab File: BM018976.D  
Acq: 28 Feb 2019 19:14

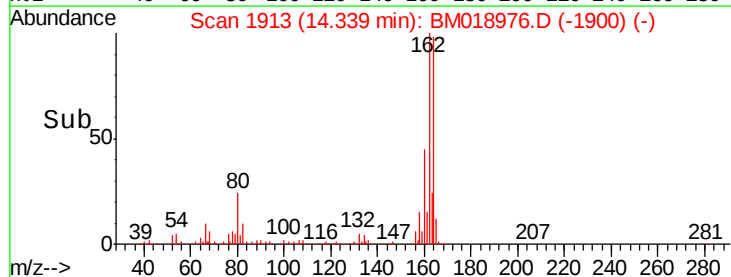
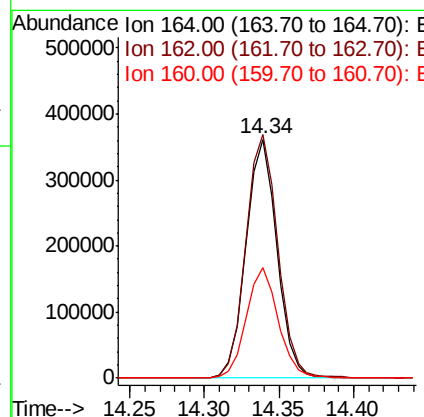
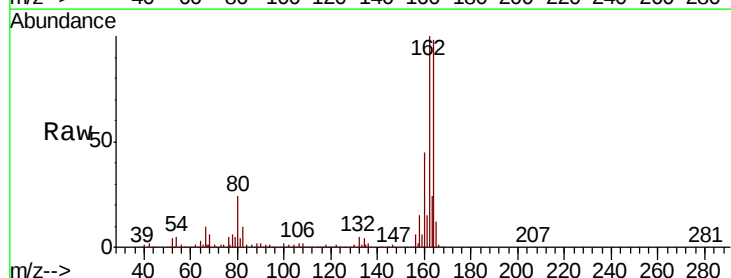
Instrument :  
BNA\_M  
ClientSampleId :  
HR-06-022719-A

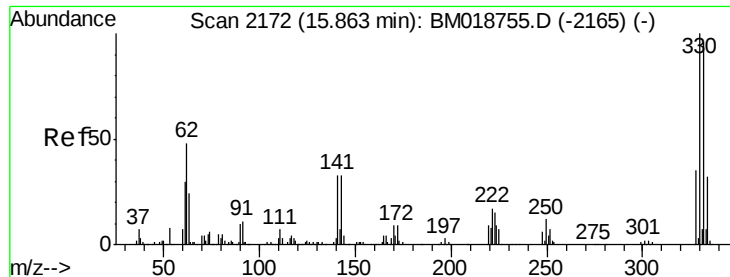
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 83.1  | 71.2  | 106.8 |
| 115     | 32.1  | 29.1  | 43.7  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.34 min Scan# 1913  
Delta R.T. -0.02 min  
Lab File: BM018976.D  
Acq: 28 Feb 2019 19:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.9 | 83.4  | 125.0 |
| 160     | 46.2  | 36.6  | 55.0  |





#42

2,4,6-Tribromophenol

Concen: 174.089 ng

RT: 15.84 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BM018976.D

Acq: 28 Feb 2019 19:14

Instrument :

BNA\_M

ClientSampleId :

HR-06-022719-A

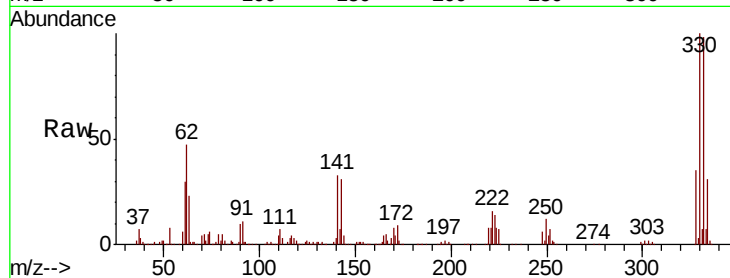
Tot Ion:330 Resp: 1304654

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

141 34.0 28.7 43.1

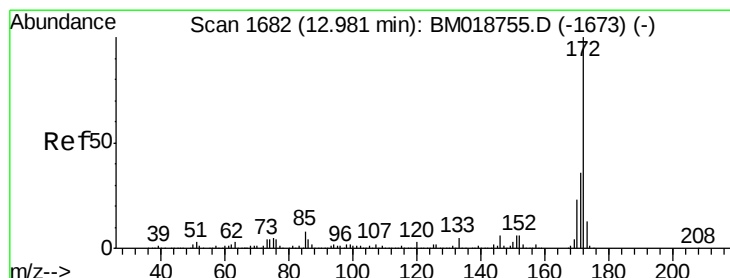
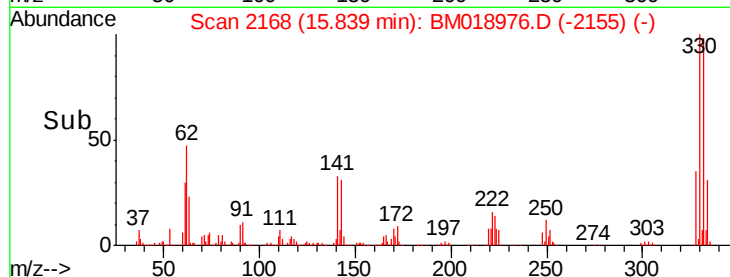
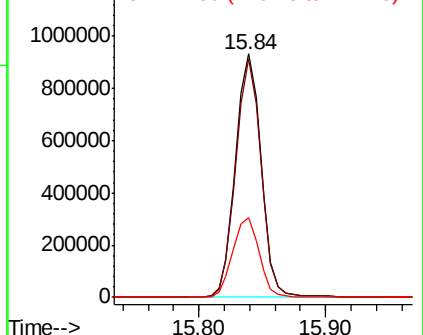


Abundance

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: 99.794 ng

RT: 12.95 min Scan# 1677

Delta R.T. -0.03 min

Lab File: BM018976.D

Acq: 28 Feb 2019 19:14

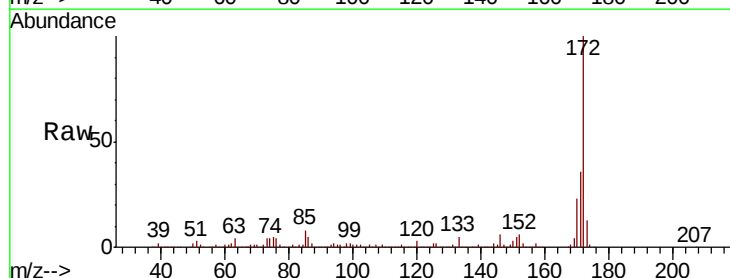
Tgt Ion:172 Resp: 3908355

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.6

170 23.1 18.6 28.0

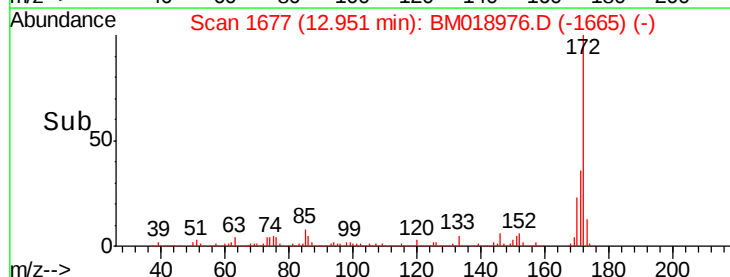
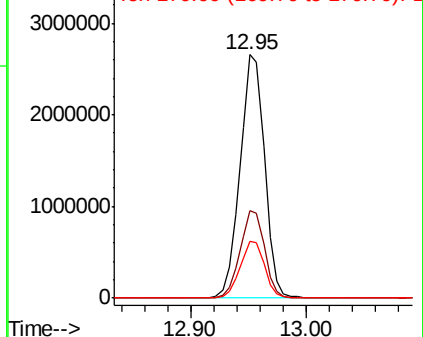


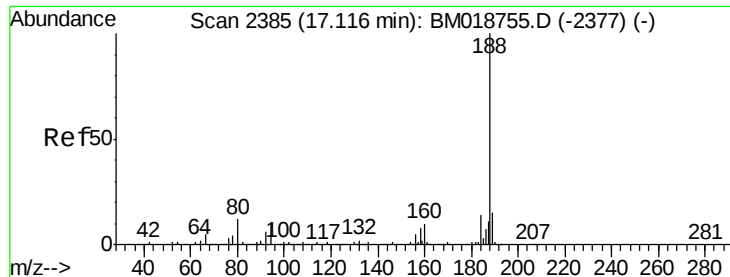
Abundance

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: 17.09 min Scan# 2381

Delta R.T. -0.02 min

Lab File: BM018976.D

Acq: 28 Feb 2019 19:14

Instrument :

BNA\_M

ClientSampleId :

HR-06-022719-A

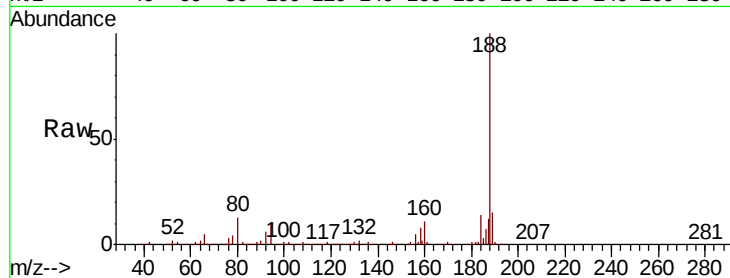
Tot Ion:188 Resp: 1202197

Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.2

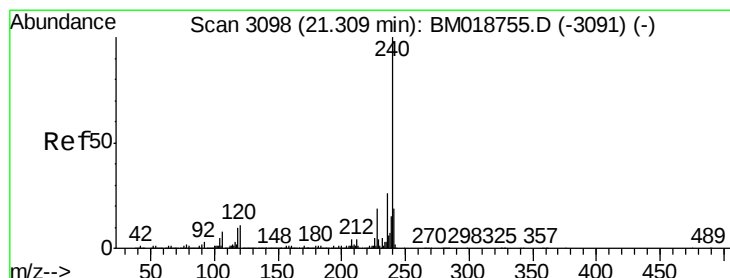
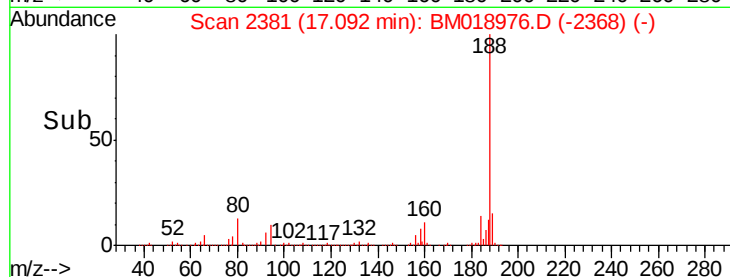
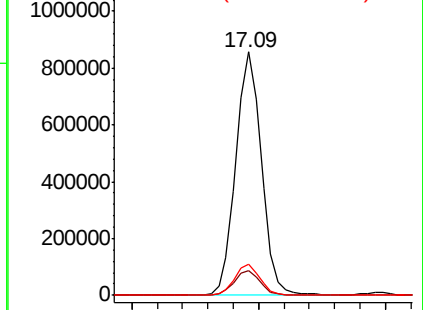
80 12.6 9.7 14.5



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: 21.29 min Scan# 3094

Delta R.T. -0.02 min

Lab File: BM018976.D

Acq: 28 Feb 2019 19:14

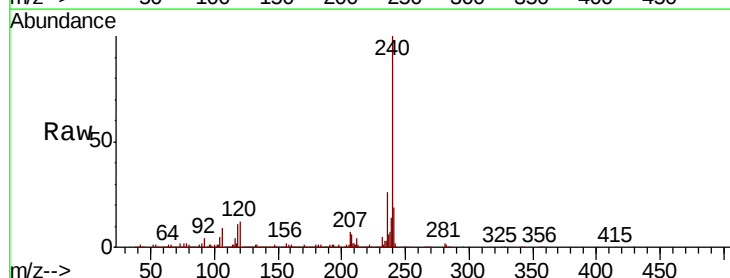
Tgt Ion:240 Resp: 1182936

Ion Ratio Lower Upper

240 100

120 11.5 8.9 13.3

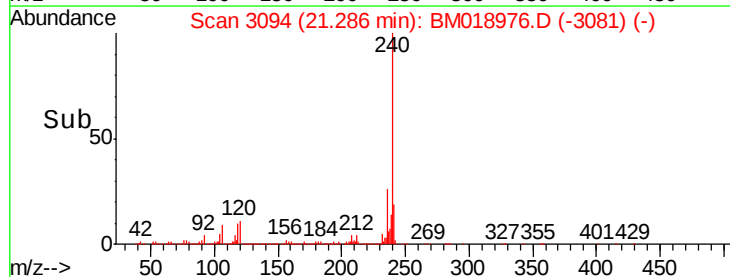
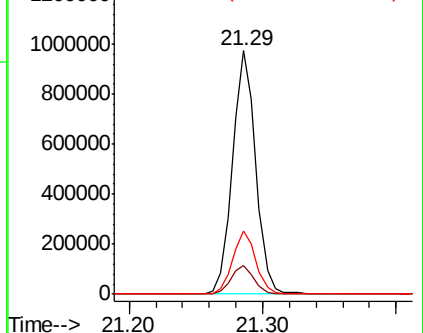
236 26.1 20.9 31.3

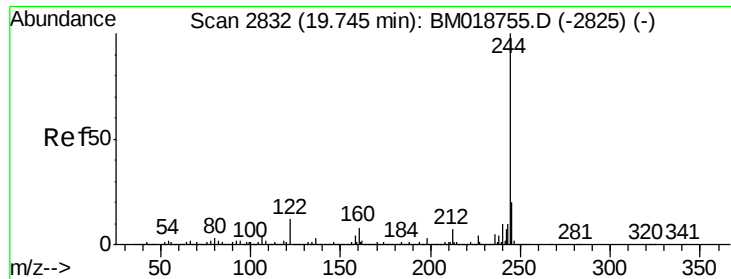


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 125.552 ng

RT: 19.73 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BM018976.D

Acq: 28 Feb 2019 19:14

Instrument :

BNA\_M

ClientSampleId :

HR-06-022719-A

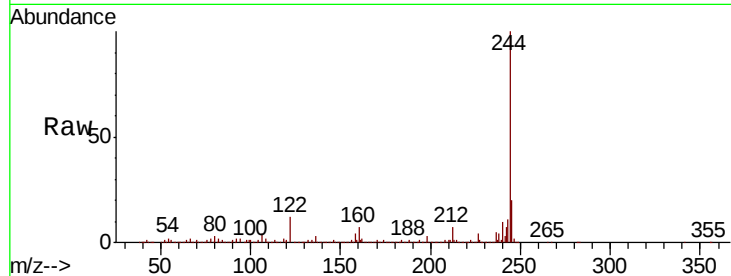
Tot Ion:244 Resp: 7199561

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

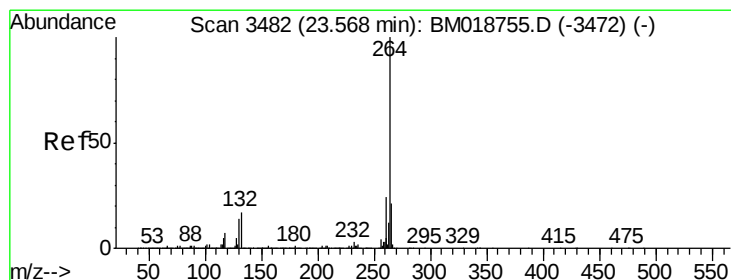
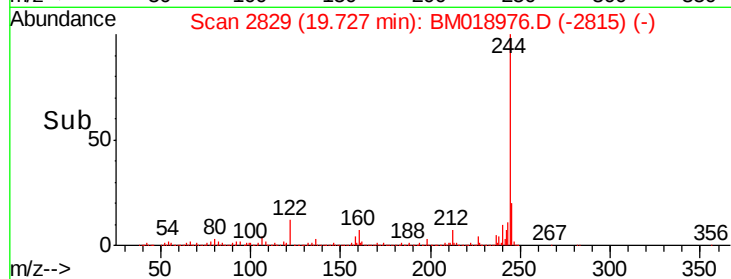
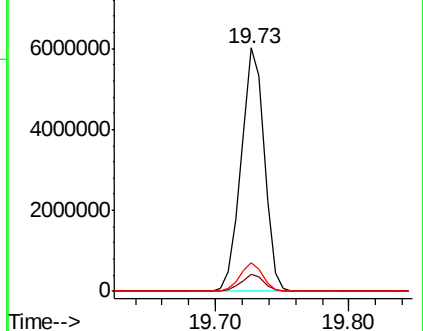
122 11.7 9.3 13.9



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: 23.54 min Scan# 3477

Delta R.T. -0.03 min

Lab File: BM018976.D

Acq: 28 Feb 2019 19:14

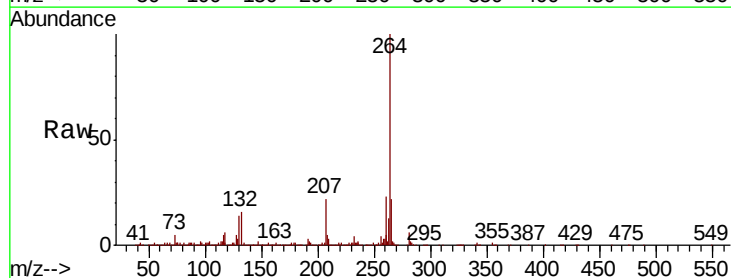
Tgt Ion:264 Resp: 1065119

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.9 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

