

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030519\  
 Data File : BM019055.D  
 Acq On : 06 Mar 2019 03:39  
 Operator : JU/SJ  
 Sample : K1704-09  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PST-028-SW001-022719

Quant Time: Mar 06 06:44:18 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

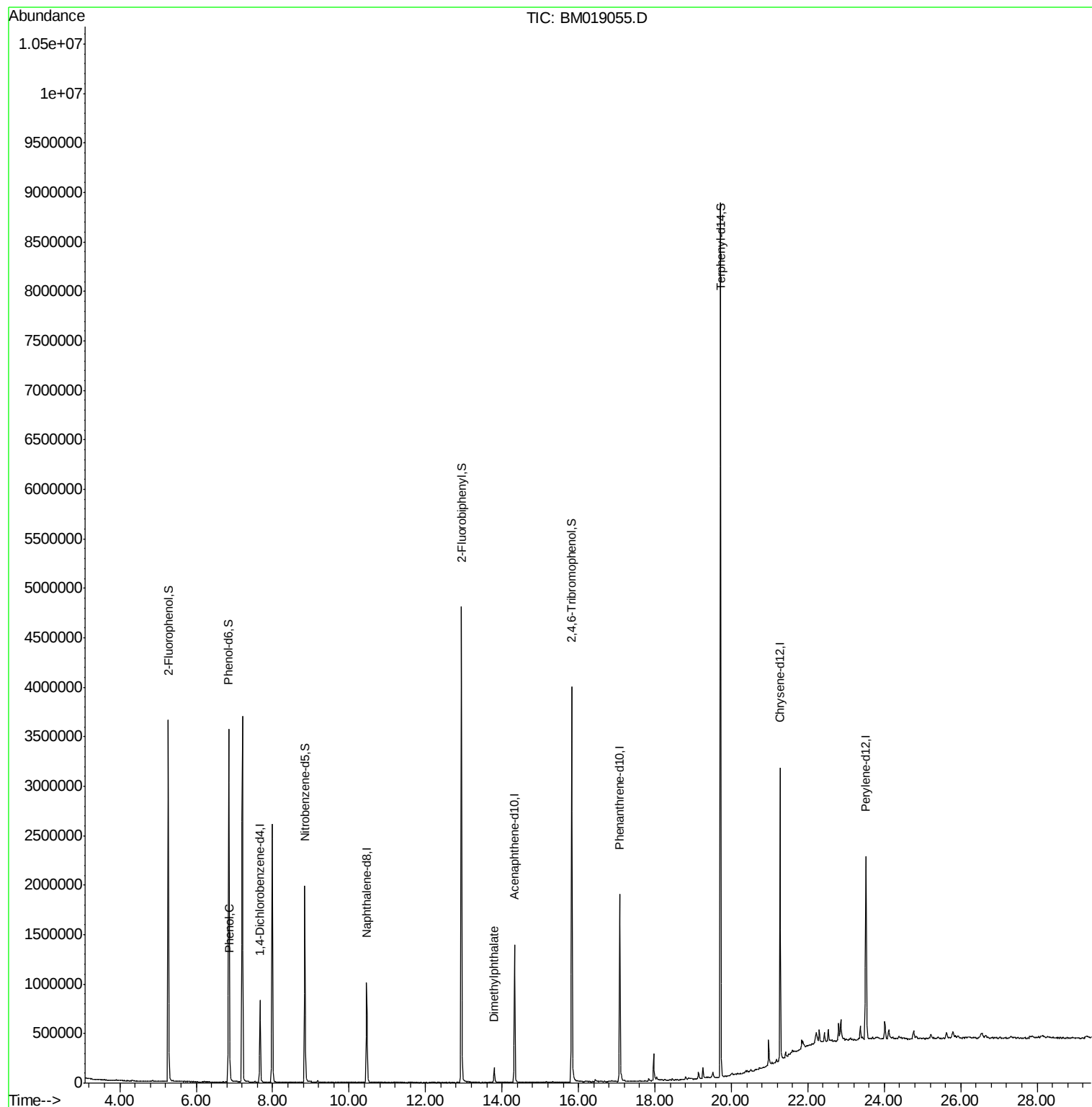
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.67  | 152  | 218936   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.46 | 136  | 842556   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.33 | 164  | 457656   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.08 | 188  | 1079220  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.27 | 240  | 1265602  | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 23.52 | 264  | 1290764  | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.27  | 112  | 1499321  | 112.21 | ng    | 0.00     |
| 7) Phenol-d6                | 6.85  | 99   | 2047919  | 108.79 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.84  | 82   | 1280498  | 70.27  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.83 | 330  | 771476   | 116.94 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.94 | 172  | 2390740  | 69.35  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.72 | 244  | 4000727  | 65.21  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.87  | 94   | 64420    | 3.252  | ng    | 88       |
| 50) Dimethylphthalate       | 13.79 | 163  | 113751   | 2.982  | ng    | 100      |

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

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PST-028-SW001-022719

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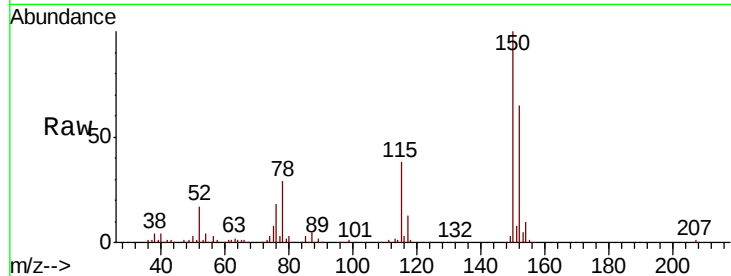


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.67 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: BM019055.D  
Acq: 06 Mar 2019 03:39

Instrument :  
BNA\_M  
ClientSampleId :  
PST-028-SW001-022719

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.9 | 127.3 | 190.9 |
| 115     | 58.8  | 50.8  | 76.2  |

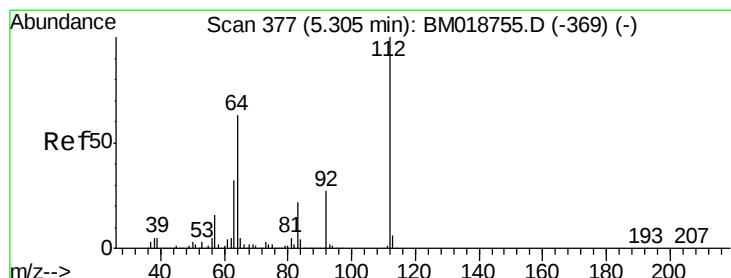
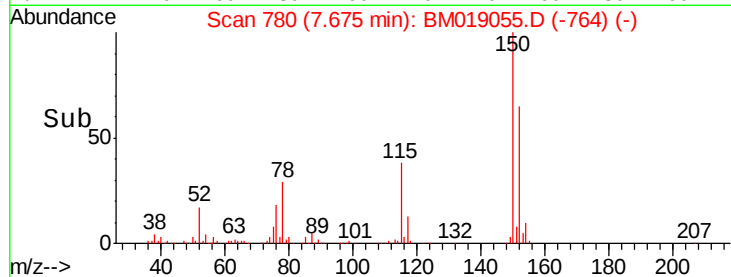
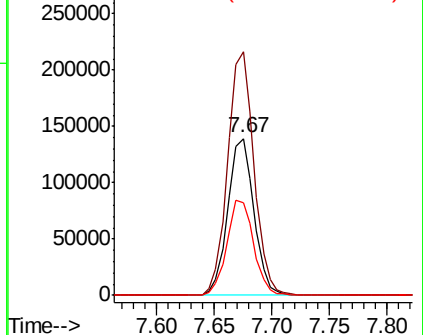


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

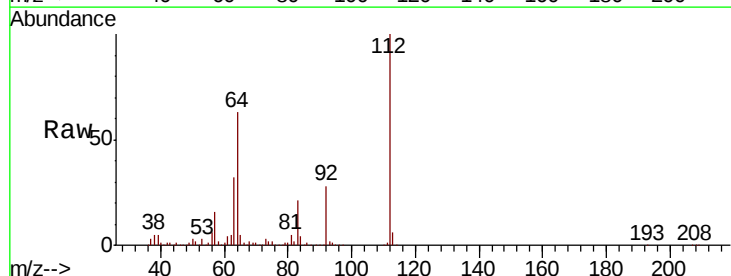
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 112.206 ng  
RT: 5.27 min Scan# 371  
Delta R.T. -0.01 min  
Lab File: BM019055.D  
Acq: 06 Mar 2019 03:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.0  | 50.6  | 75.8  |
| 63      | 32.2  | 25.7  | 38.5  |

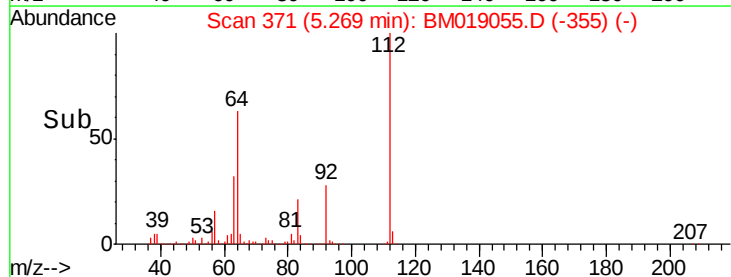
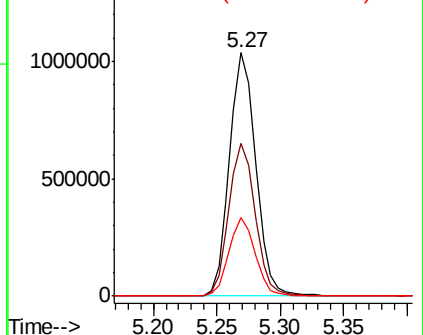


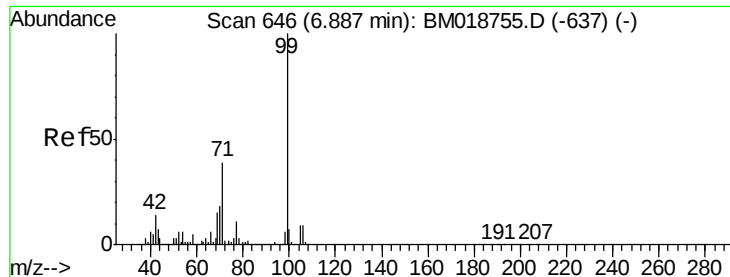
Abundance

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: 108.793 ng

RT: 6.85 min Scan# 640

Delta R.T. -0.01 min

Lab File: BM019055.D

Acq: 06 Mar 2019 03:39

Instrument :

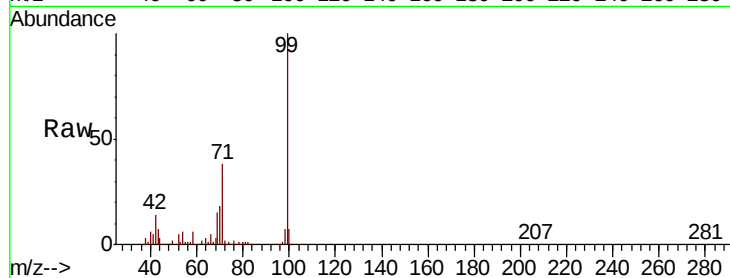
BNA\_M

ClientSampleId :

PST-028-SW001-022719

Tot Ion: 99 Resp: 2047919

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.0  | 11.0  | 16.6  |
| 71  | 37.7  | 31.3  | 46.9  |

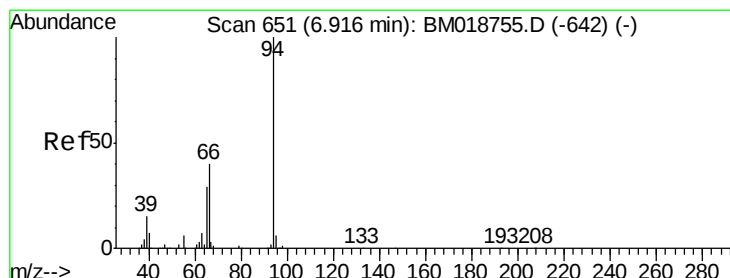
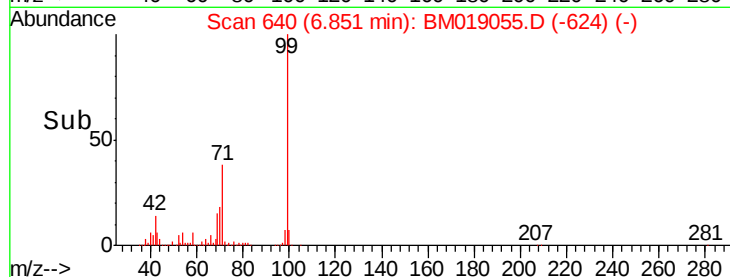
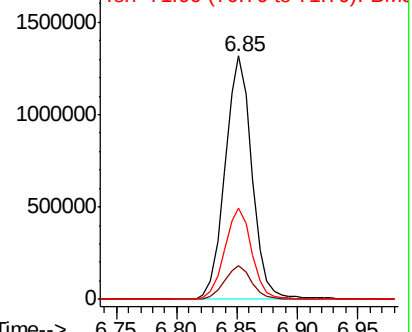


Abundance

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: 3.252 ng

RT: 6.87 min Scan# 644

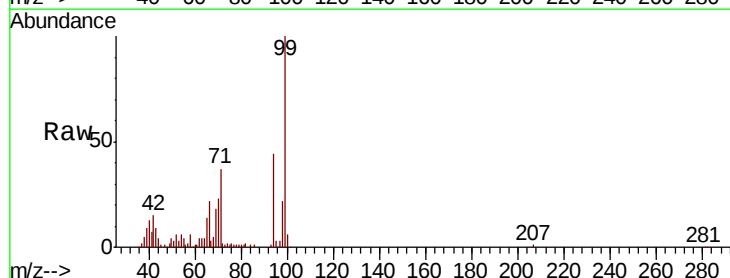
Delta R.T. -0.01 min

Lab File: BM019055.D

Acq: 06 Mar 2019 03:39

Tgt Ion: 94 Resp: 64420

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 31.9  | 9.6   | 49.6  |
| 66  | 51.0  | 20.4  | 60.4  |

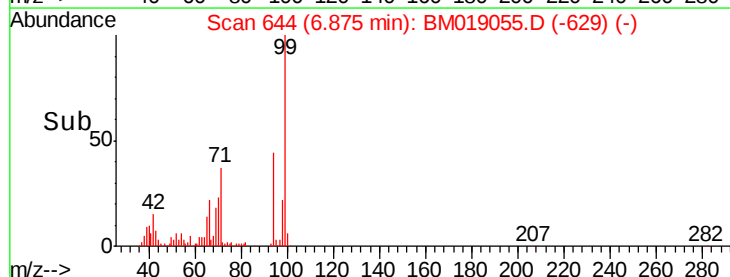
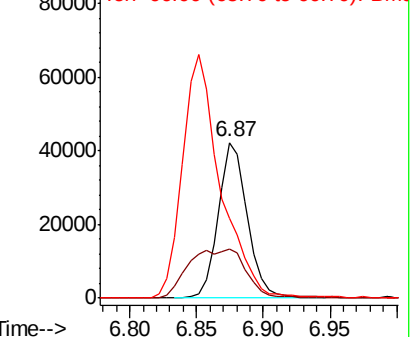


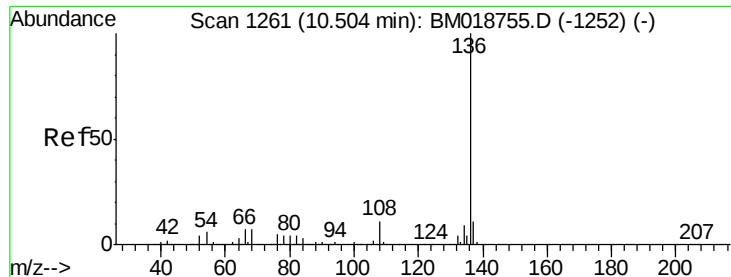
Abundance

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) (-)

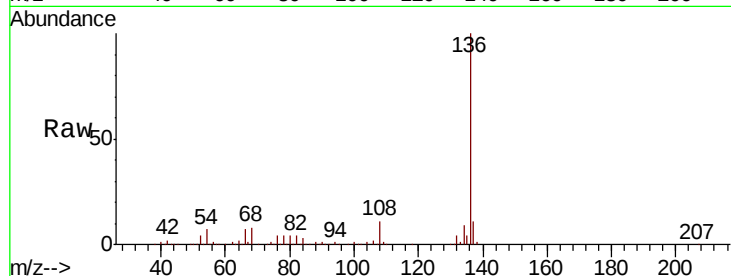




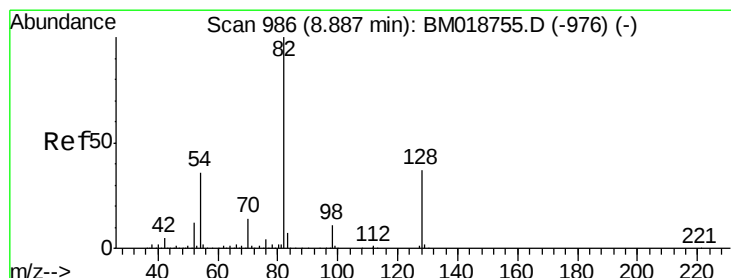
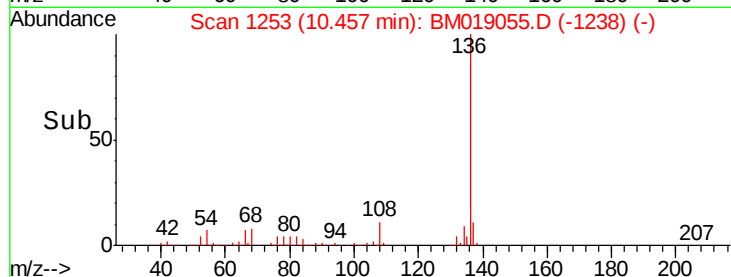
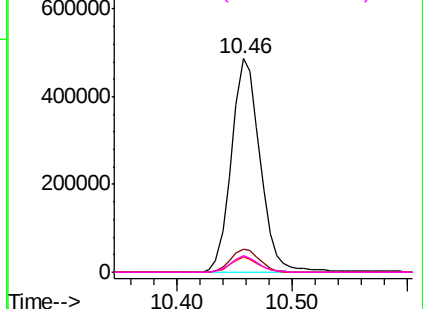
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.46 min Scan# 1253  
Delta R.T. -0.01 min  
Lab File: BM019055.D  
Acq: 06 Mar 2019 03:39

Instrument :  
BNA\_M  
ClientSampleId :  
PST-028-SW001-022719

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 842556 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.9    | 8.8   | 13.2   |
| 54 7.0      | 5.0   | 7.6    |
| 68 7.5      | 5.5   | 8.3    |

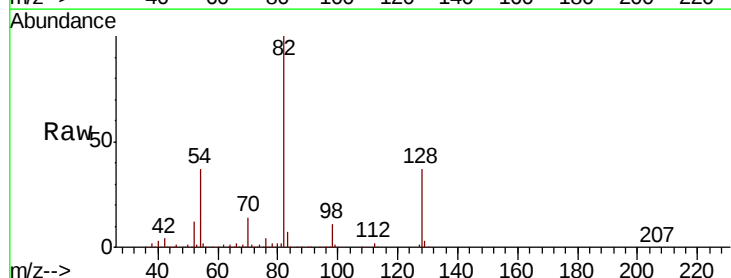


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

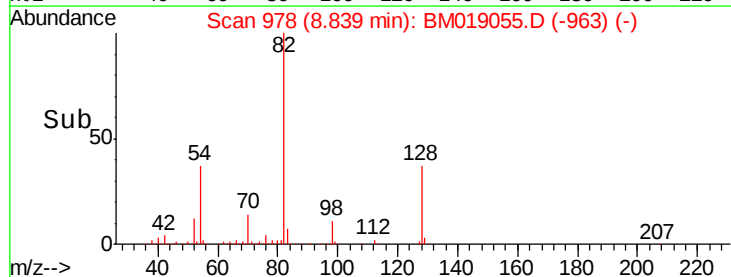
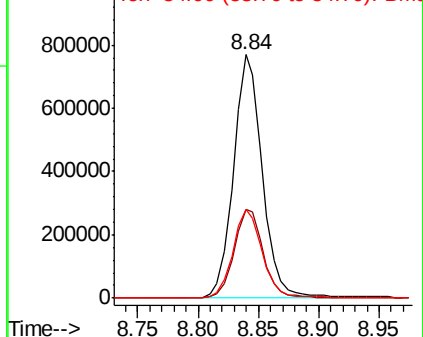


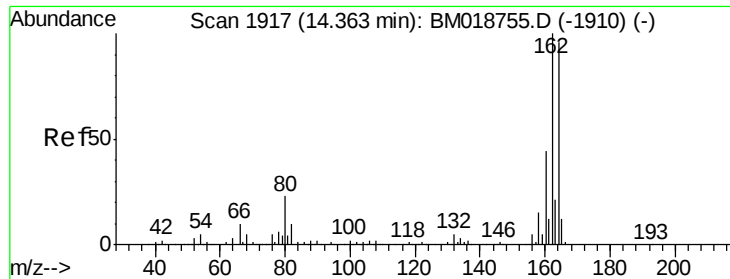
#23  
Nitrobenzene-d5  
Concen: 70.272 ng  
RT: 8.84 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: BM019055.D  
Acq: 06 Mar 2019 03:39

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1280498 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 36.5    | 29.9 44.9     |
| 54 36.5     | 29.1 43.7     |



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.33 min Scan# 1911

Delta R.T. -0.01 min

Lab File: BM019055.D

Acq: 06 Mar 2019 03:39

Instrument :

BNA\_M

ClientSampleId :

PST-028-SW001-022719

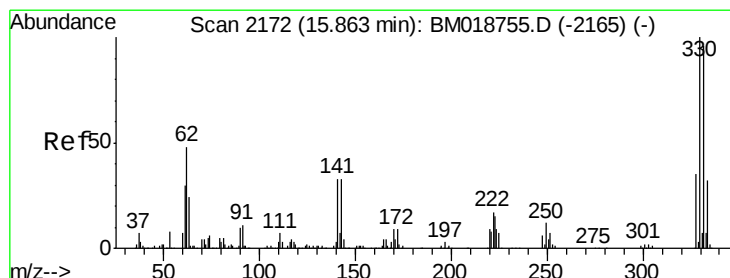
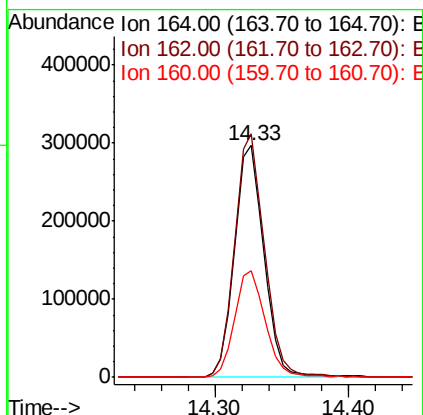
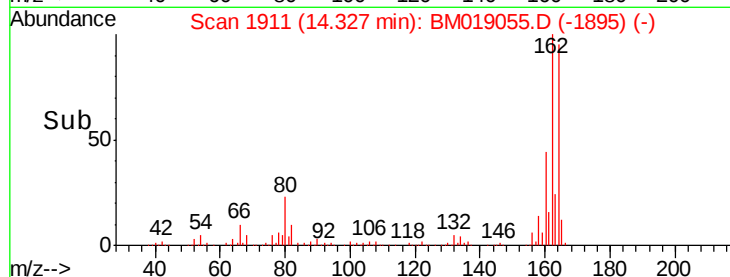
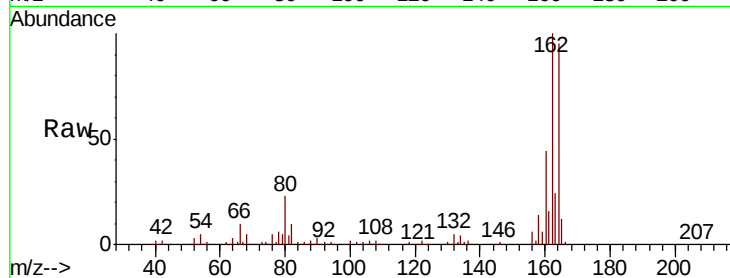
Tot Ion:164 Resp: 457656

Ion Ratio Lower Upper

164 100

162 105.0 83.4 125.0

160 45.9 36.6 55.0



#42

2,4,6-Tribromophenol

Concen: 116.944 ng

RT: 15.83 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BM019055.D

Acq: 06 Mar 2019 03:39

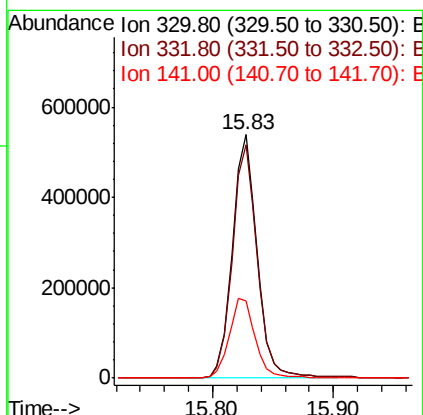
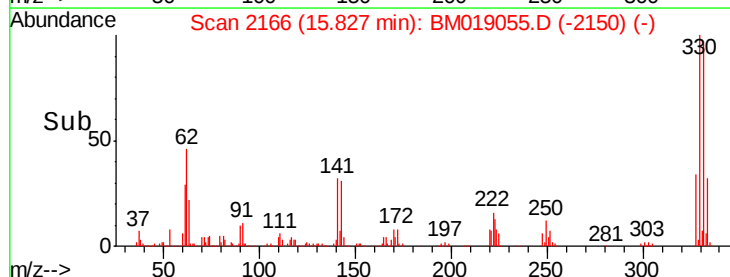
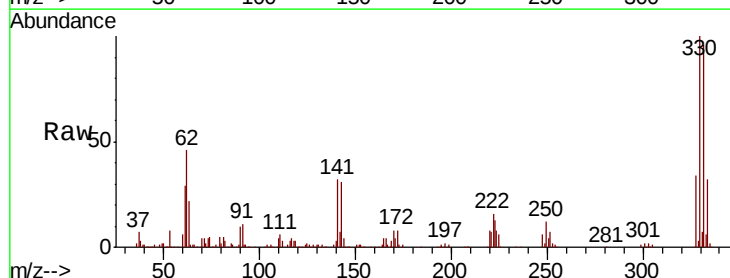
Tgt Ion:330 Resp: 771476

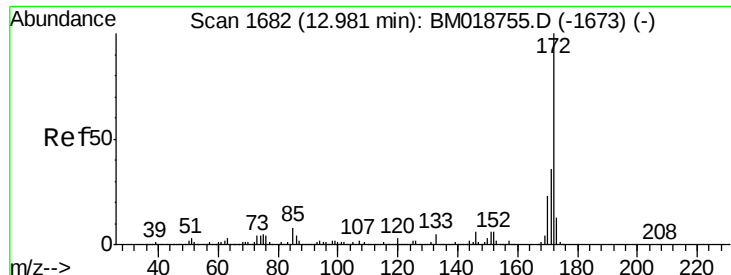
Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 34.5 28.7 43.1

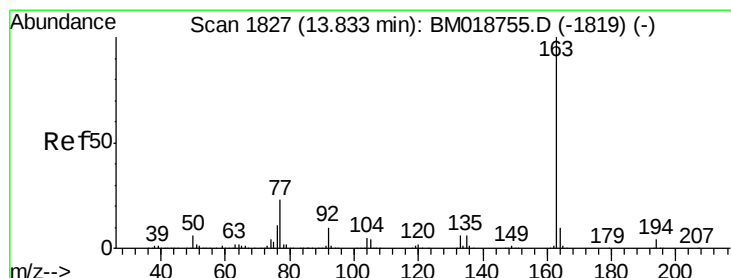
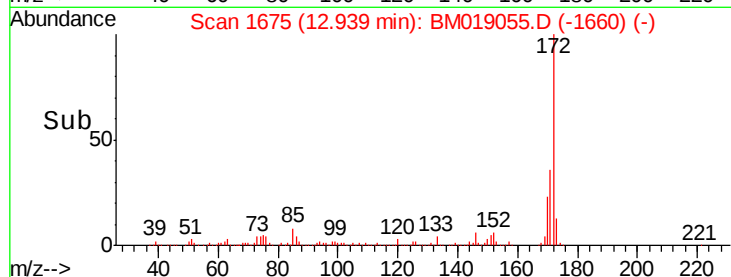
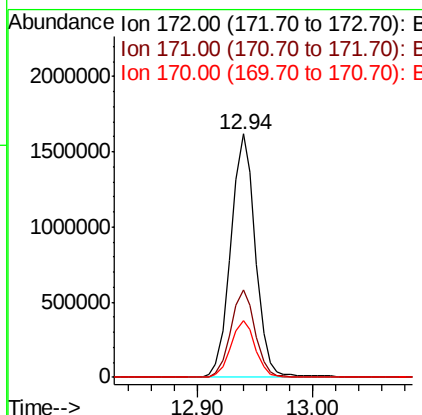
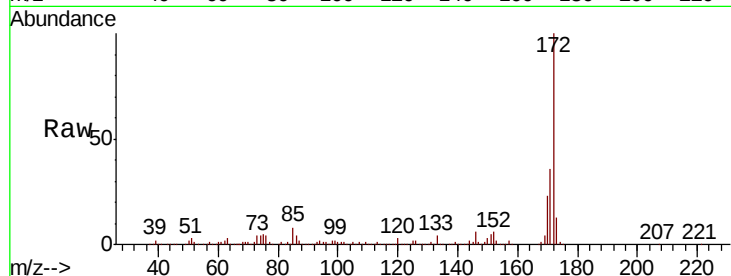




#45  
2-Fluorobiphenyl  
Concen: 69.346 ng  
RT: 12.94 min Scan# 1675  
Delta R.T. -0.01 min  
Lab File: BM019055.D  
Acq: 06 Mar 2019 03:39

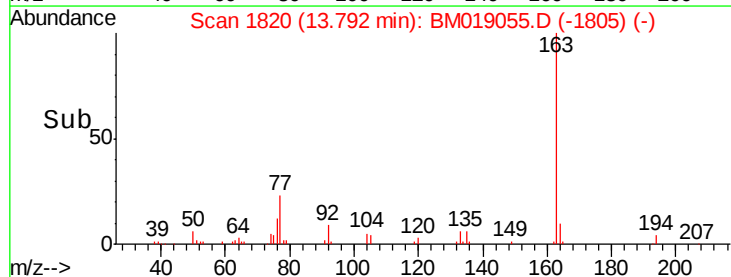
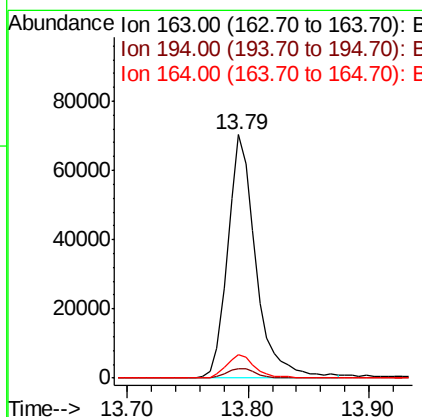
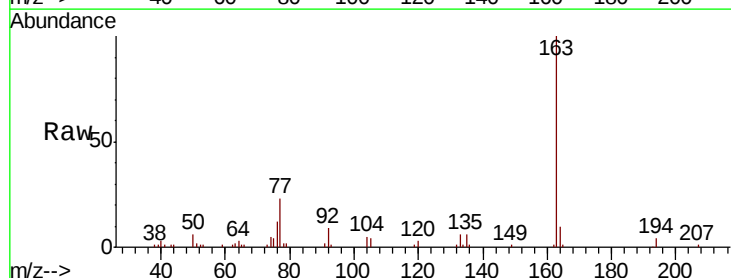
Instrument :  
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PST-028-SW001-022719

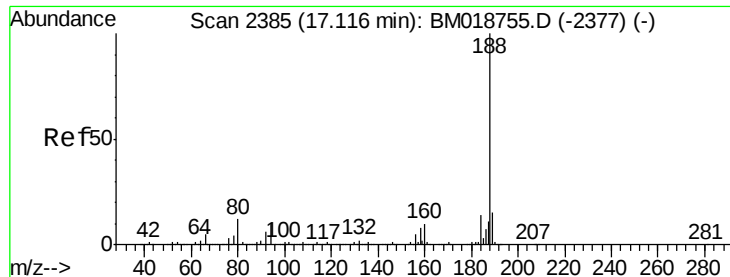
Tot Ion:172 Resp: 2390740  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.0 43.6  
170 23.3 18.6 28.0



#50  
Dimethylphthalate  
Concen: 2.982 ng  
RT: 13.79 min Scan# 1820  
Delta R.T. -0.01 min  
Lab File: BM019055.D  
Acq: 06 Mar 2019 03:39

Tgt Ion:163 Resp: 113751  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.2 4.8  
164 9.6 7.8 11.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM019055.D

Acq: 06 Mar 2019 03:39

Instrument :

BNA\_M

ClientSampleId :

PST-028-SW001-022719

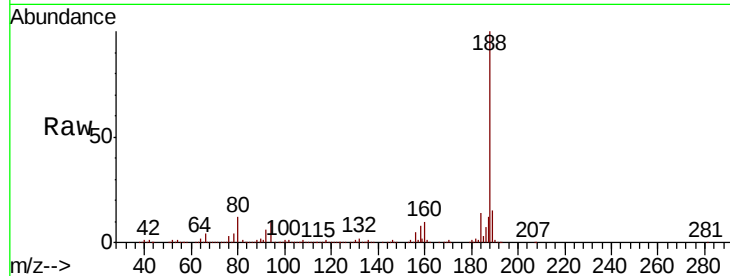
Tot Ion:188 Resp: 1079220

Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.2

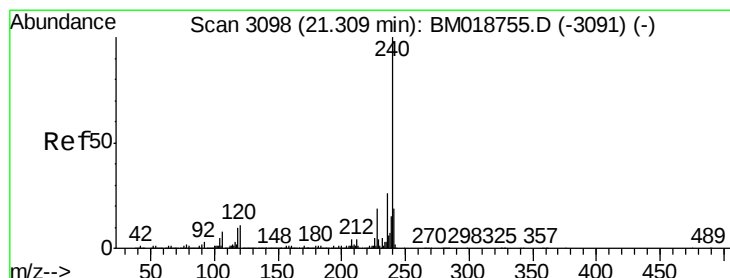
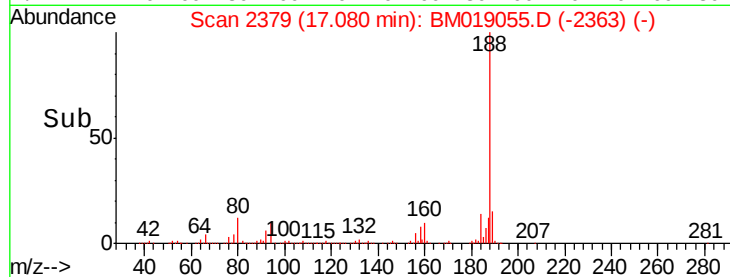
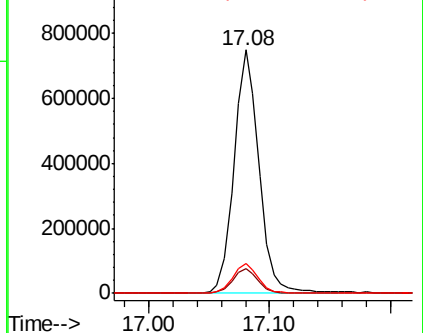
80 12.4 9.7 14.5



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: BM019055.D

Acq: 06 Mar 2019 03:39

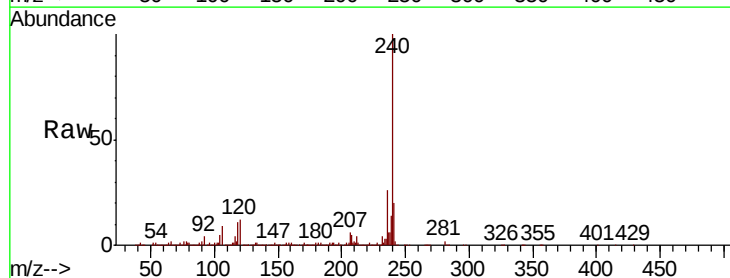
Tgt Ion:240 Resp: 1265602

Ion Ratio Lower Upper

240 100

120 11.9 8.9 13.3

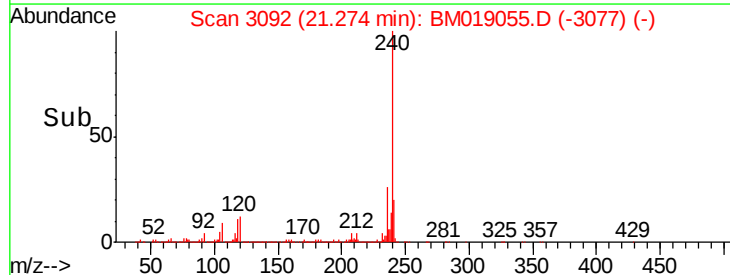
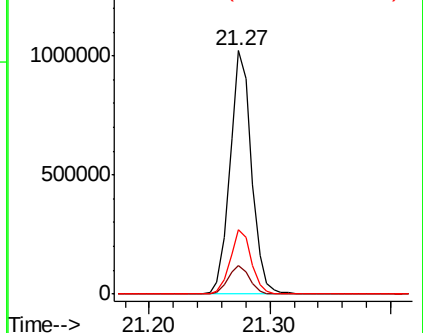
236 26.2 20.9 31.3

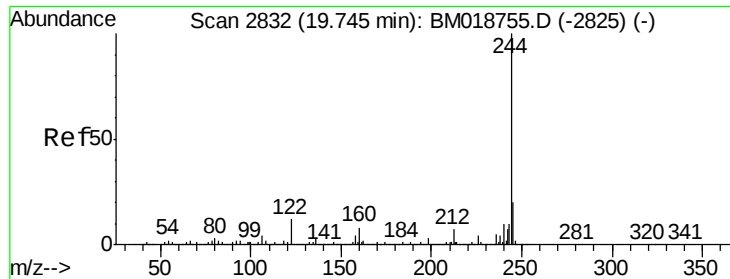


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 65.211 ng

RT: 19.72 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BM019055.D

Acq: 06 Mar 2019 03:39

Instrument :

BNA\_M

ClientSampleId :

PST-028-SW001-022719

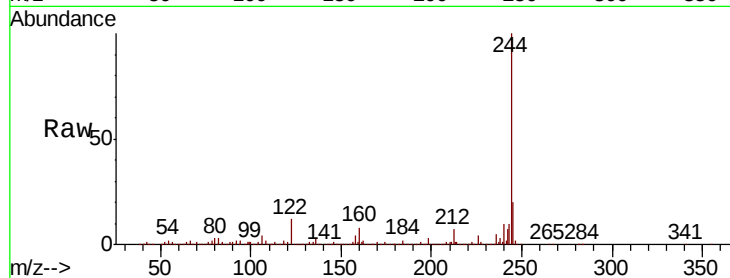
Tot Ion:244 Resp: 4000727

Ion Ratio Lower Upper

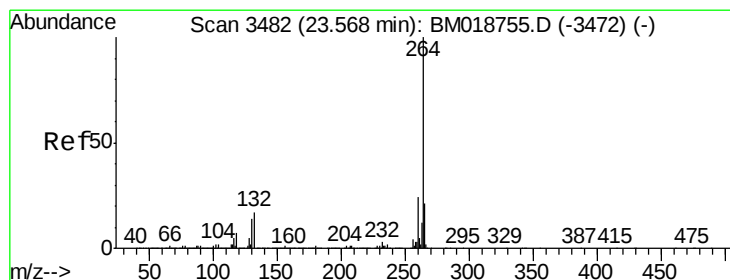
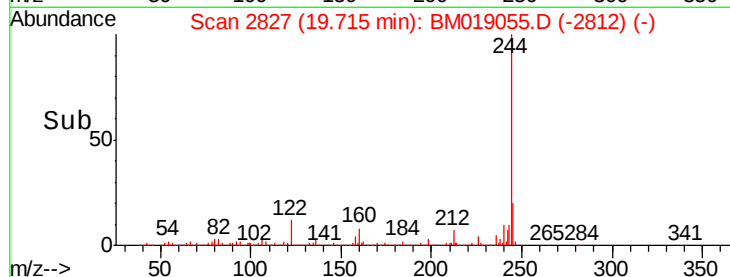
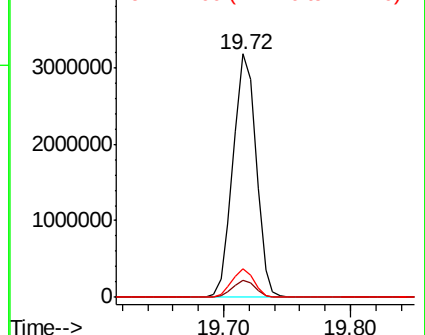
244 100

212 6.8 5.6 8.4

122 11.5 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: BM019055.D

Acq: 06 Mar 2019 03:39

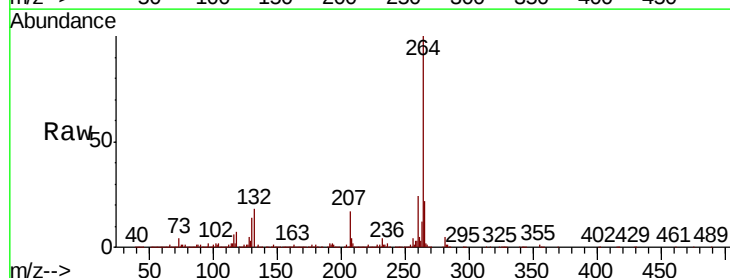
Tgt Ion:264 Resp: 1290764

Ion Ratio Lower Upper

264 100

260 23.7 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

