

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031519\  
 Data File : BM019210.D  
 Acq On : 16 Mar 2019 05:38  
 Operator : JU/SJ  
 Sample : K1905-08  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RT-3483

Quant Time: Mar 16 06:30:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 199389   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.43 | 136  | 823299   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.30 | 164  | 540200   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.06 | 188  | 1209499  | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.26 | 240  | 970604   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.49 | 264  | 867420   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 1681877  | 136.61 | ng    | 0.00     |
| 7) Phenol-d6                | 6.83  | 99   | 2089721  | 116.04 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.82  | 82   | 1802079  | 103.47 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.81 | 330  | 1281798  | 160.71 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 3939956  | 94.87  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.70 | 244  | 6759105  | 138.25 | ng    | -0.01    |

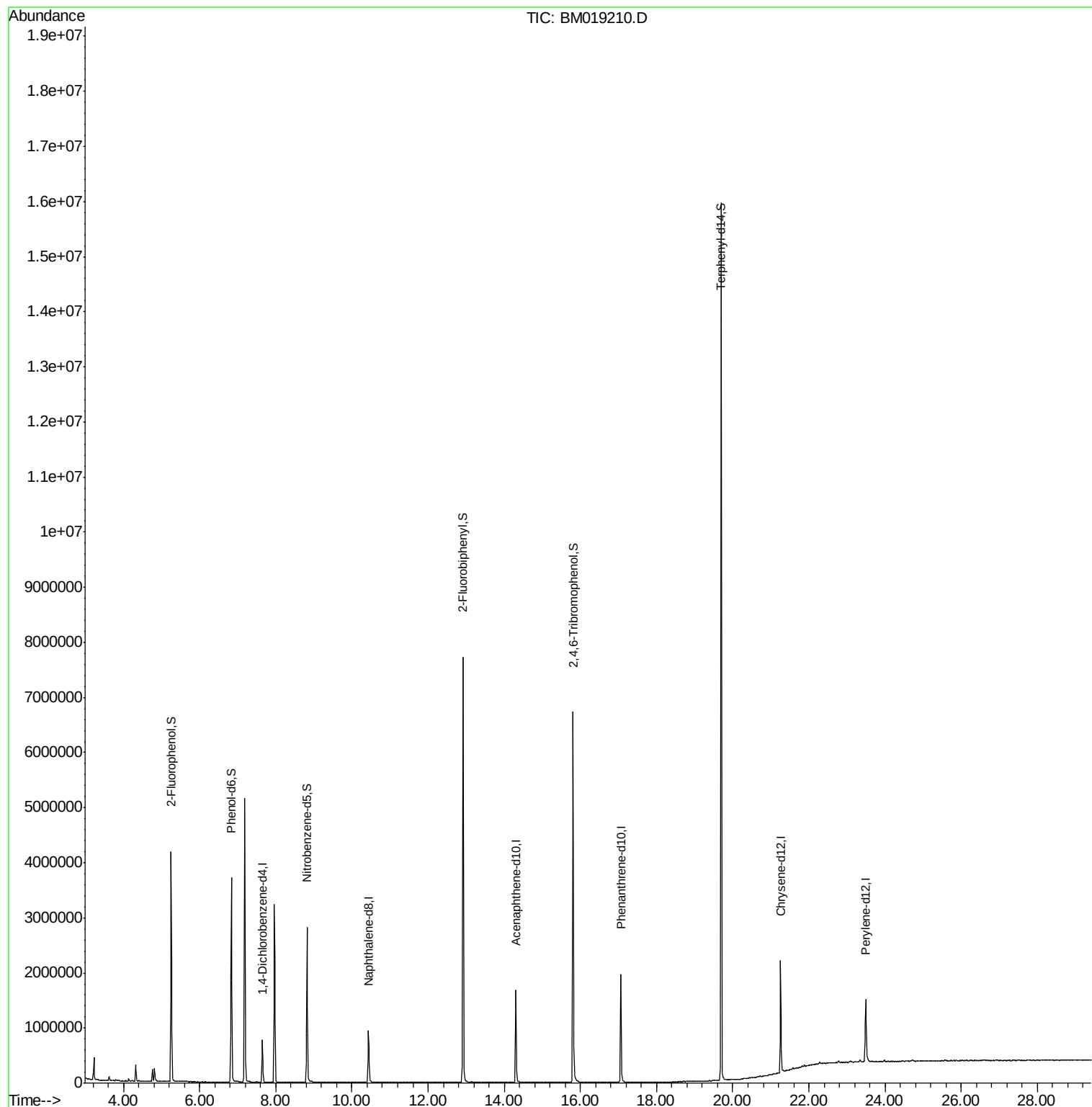
Target Compounds Qvalue

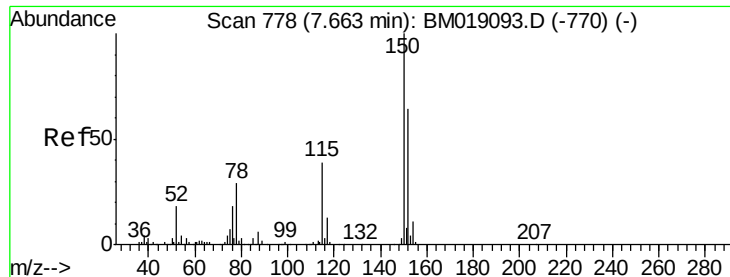
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_M  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 11 17:30:46 2019  
Response via : Initial Calibration



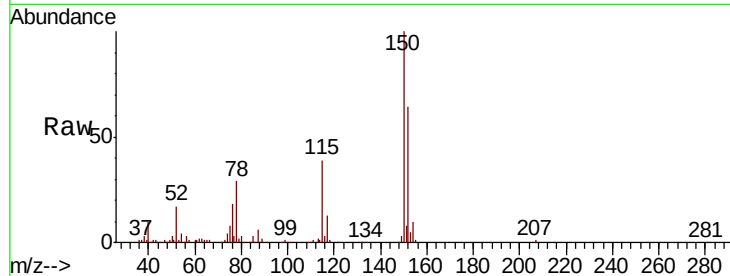


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BM019210.D  
Acq: 16 Mar 2019 05:38

Instrument :  
BNA\_M  
ClientSampleId :  
RT-3483

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.9 | 125.3 | 187.9 |
| 115     | 61.0  | 49.4  | 74.0  |

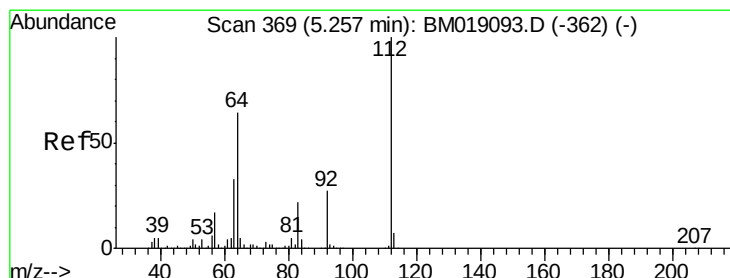
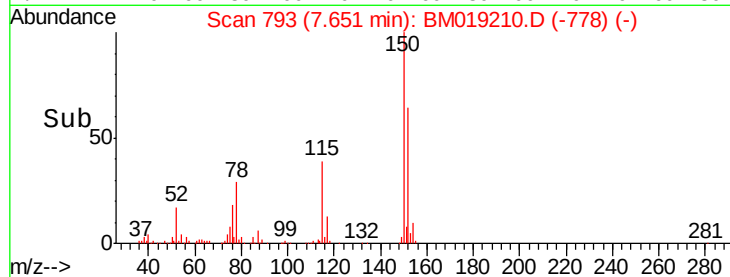
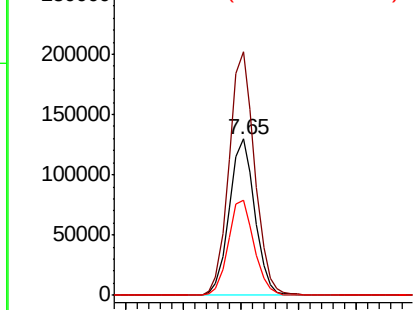


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

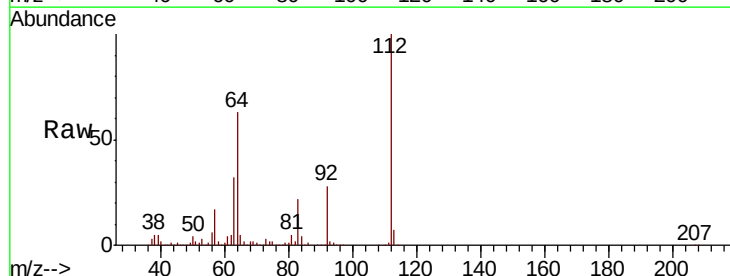
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 136.605 ng  
RT: 5.25 min Scan# 385  
Delta R.T. -0.01 min  
Lab File: BM019210.D  
Acq: 16 Mar 2019 05:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.2  | 51.4  | 77.0  |
| 63      | 32.3  | 26.6  | 40.0  |

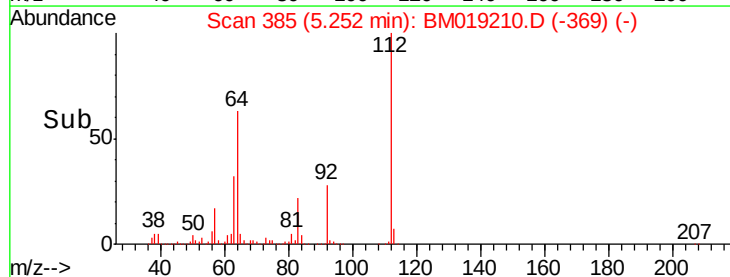
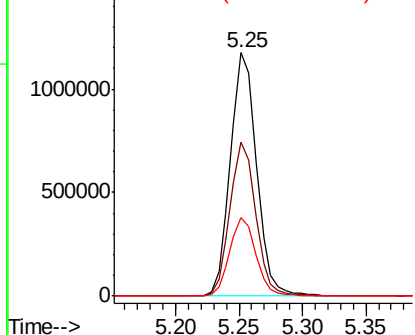


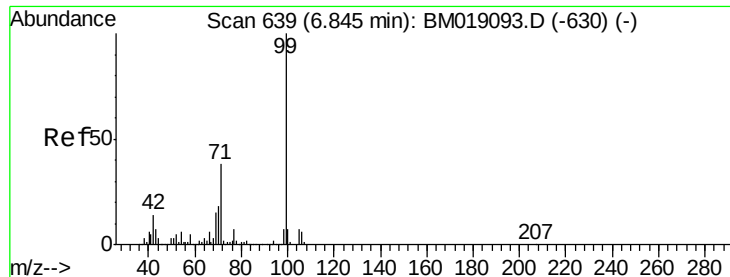
Abundance

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: 116.039 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM019210.D

Acq: 16 Mar 2019 05:38

Instrument :

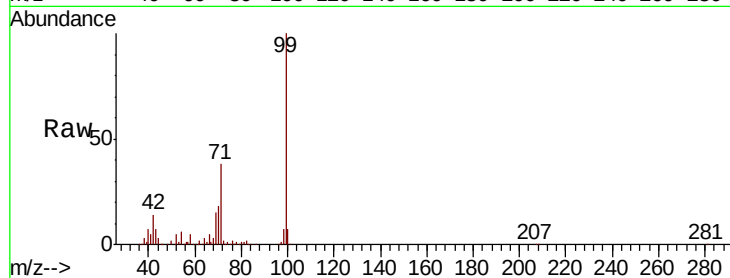
BNA\_M

ClientSampleId :

RT-3483

Tot Ion: 99 Resp: 2089721

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.0  | 10.9  | 16.3  |
| 71  | 37.9  | 30.3  | 45.5  |

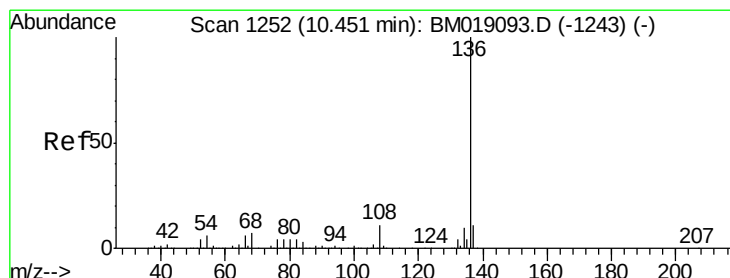
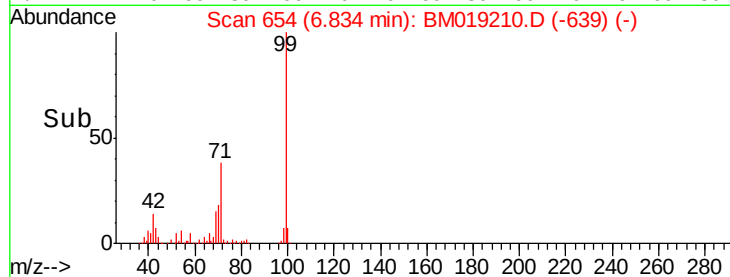
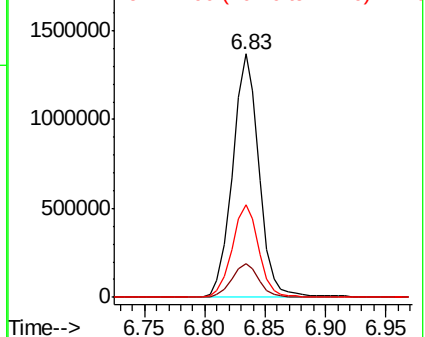


Abundance

Ion 99.00 (98.70 to 99.70): BM019210.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM019210.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM019210.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1266

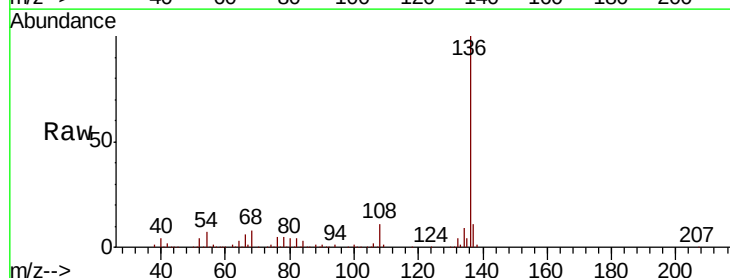
Delta R.T. -0.02 min

Lab File: BM019210.D

Acq: 16 Mar 2019 05:38

Tgt Ion: 136 Resp: 823299

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 13.0  |
| 54  | 6.5   | 5.2   | 7.8   |
| 68  | 7.6   | 5.8   | 8.8   |



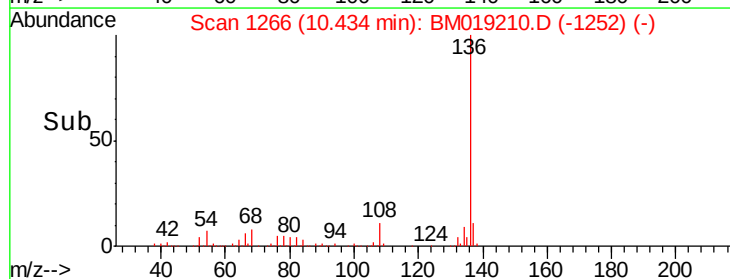
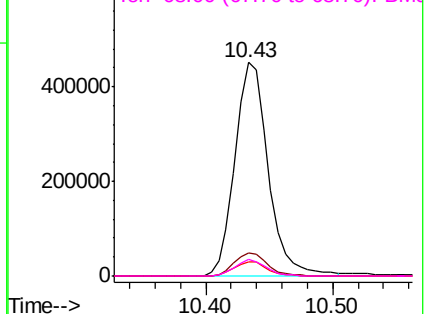
Abundance

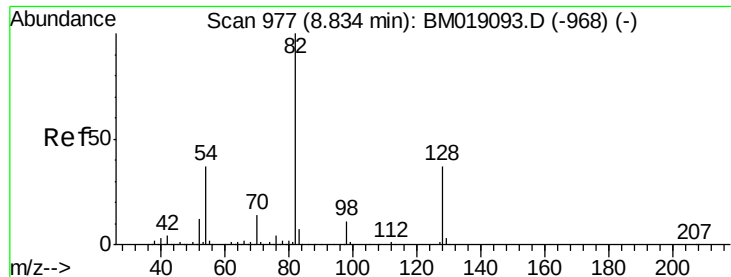
Ion 136.00 (135.70 to 136.70): BM019210.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM019210.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM019210.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM019210.D (-1252) (-)



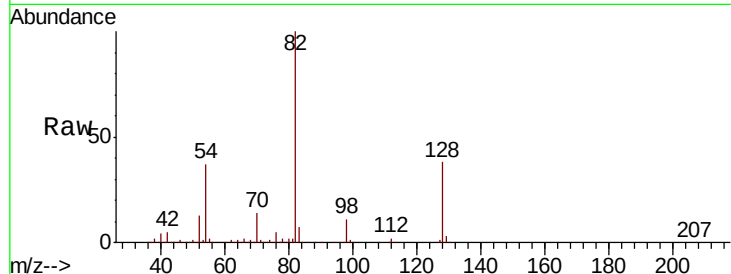


#23  
 Nitrobenzene-d5  
 Concen: 103.467 ng  
 RT: 8.82 min Scan# 992  
 Delta R.T. -0.01 min  
 Lab File: BM019210.D  
 Acq: 16 Mar 2019 05:38

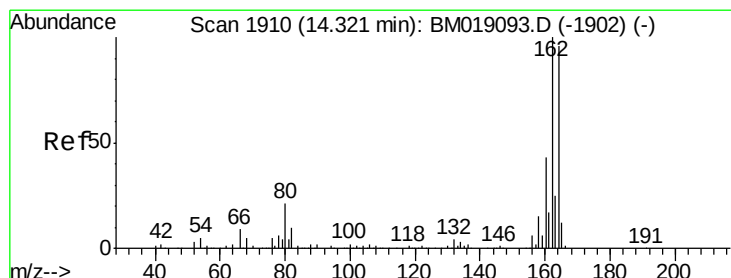
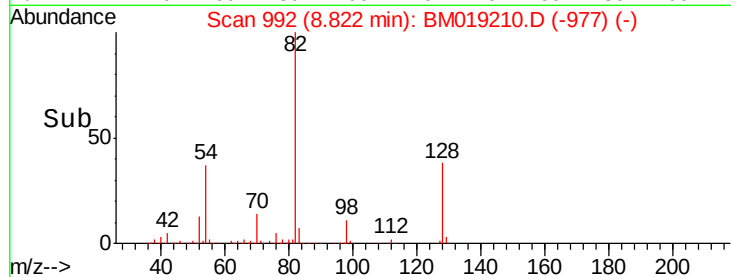
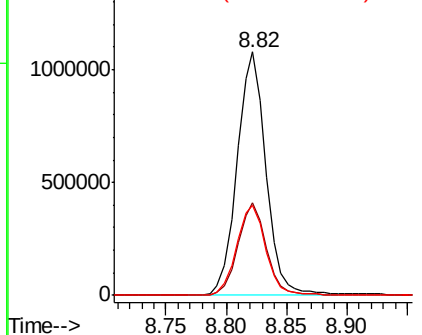
Instrument :  
 BNA\_M  
 ClientSampled :  
 RT-3483

Tot Ion: 82 Resp: 1802079  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 37.8  | 29.4  | 44.2  |
| 54  | 37.0  | 29.9  | 44.9  |



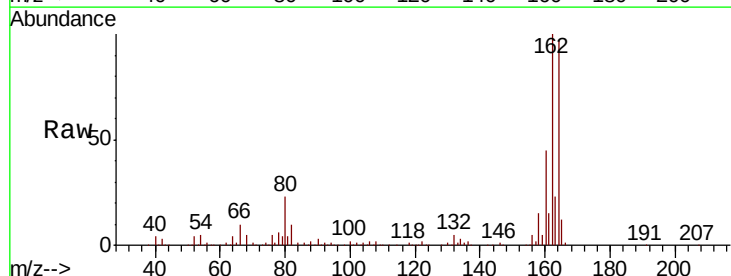
Abundance Ion 82.00 (81.70 to 82.70): BM019210.D (-977) (-)  
 Ion 128.00 (127.70 to 128.70): BM019210.D (-977) (-)  
 Ion 54.00 (53.70 to 54.70): BM019210.D (-977) (-)



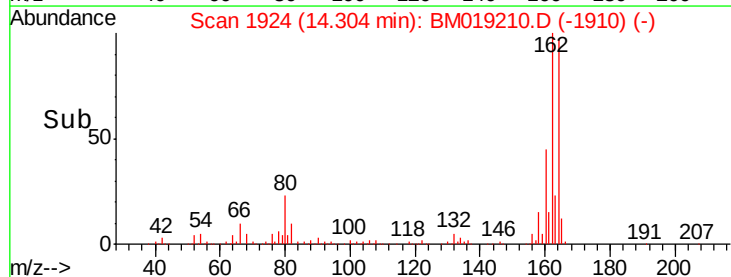
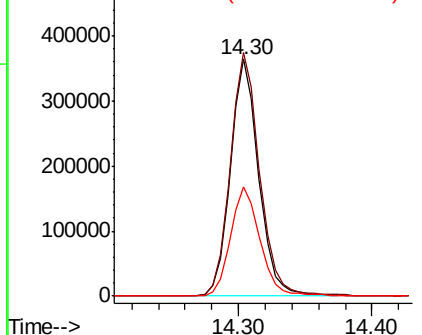
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.30 min Scan# 1924  
 Delta R.T. -0.02 min  
 Lab File: BM019210.D  
 Acq: 16 Mar 2019 05:38

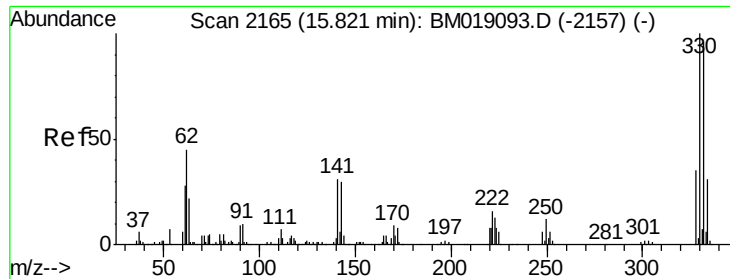
Tgt Ion:164 Resp: 540200  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.8 | 83.5  | 125.3 |
| 160 | 46.1  | 36.3  | 54.5  |



Abundance Ion 164.00 (163.70 to 164.70): BM019210.D (-1910) (-)  
 Ion 162.00 (161.70 to 162.70): BM019210.D (-1910) (-)  
 Ion 160.00 (159.70 to 160.70): BM019210.D (-1910) (-)

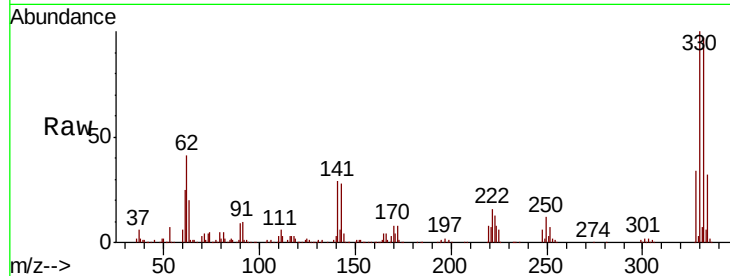




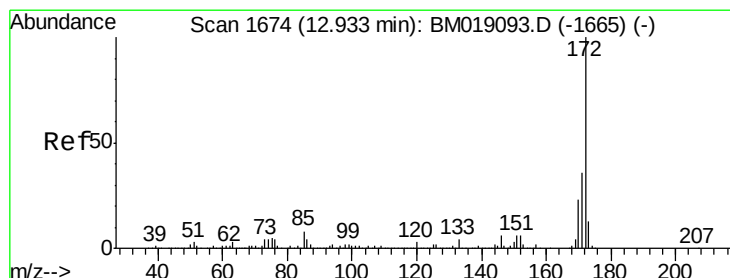
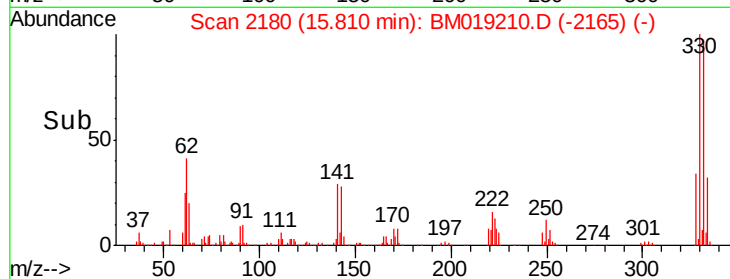
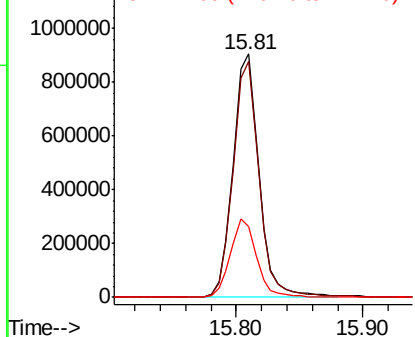
#42  
 2,4,6-Tribromophenol  
 Concen: 160.710 ng  
 RT: 15.81 min Scan# 2180  
 Delta R.T. -0.01 min  
 Lab File: BM019210.D  
 Acq: 16 Mar 2019 05:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RT-3483

Tot Ion:330 Resp: 1281798  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 76.8 115.2  
 141 32.9 27.0 40.4

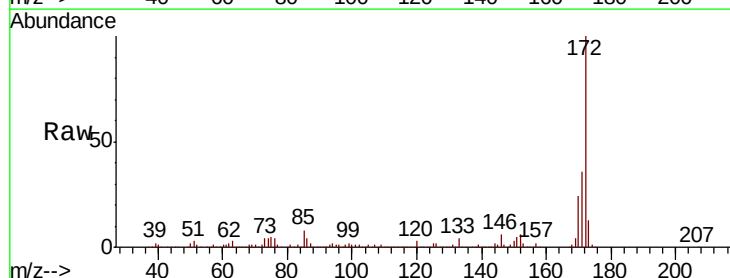


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

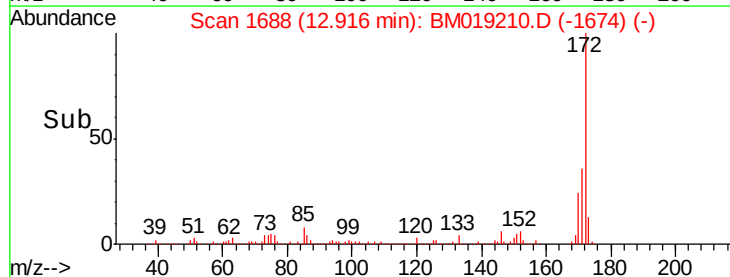
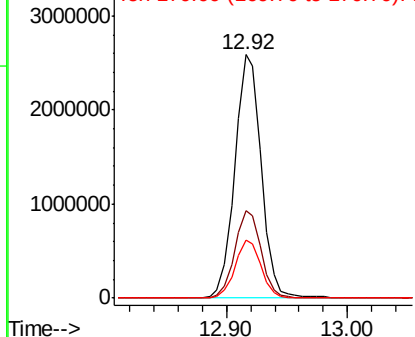


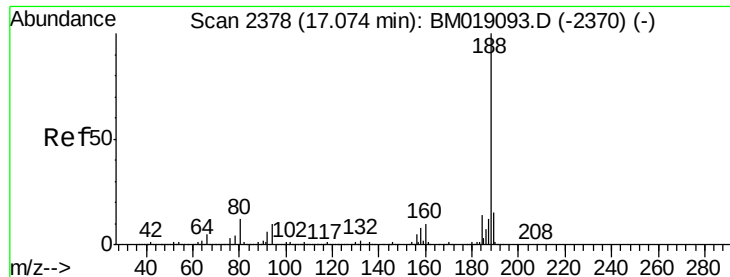
#45  
 2-Fluorobiphenyl  
 Concen: 94.871 ng  
 RT: 12.92 min Scan# 1688  
 Delta R.T. -0.02 min  
 Lab File: BM019210.D  
 Acq: 16 Mar 2019 05:38

Tgt Ion:172 Resp: 3939956  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 28.6 42.8  
 170 23.6 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

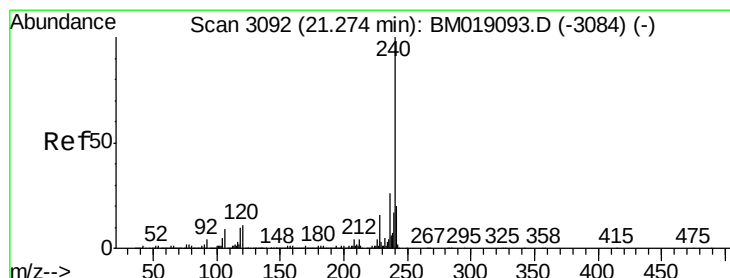
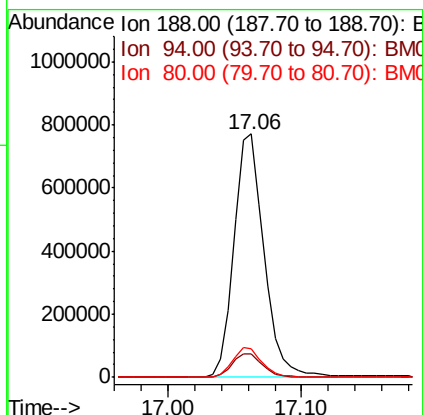
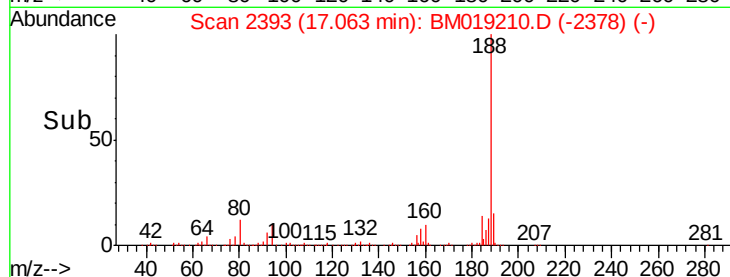
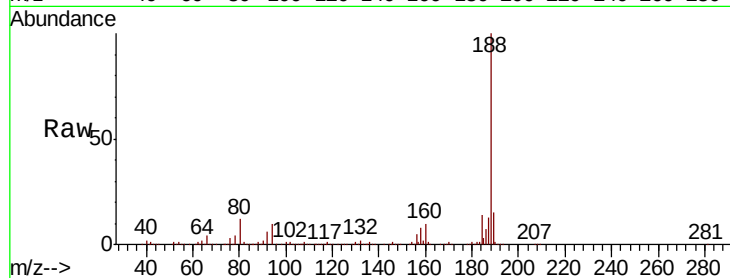




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.06 min Scan# 2393  
Delta R.T. -0.01 min  
Lab File: BM019210.D  
Acq: 16 Mar 2019 05:38

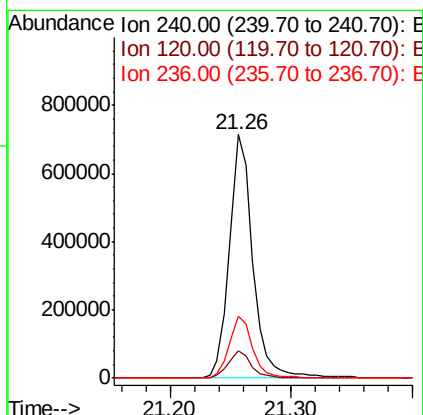
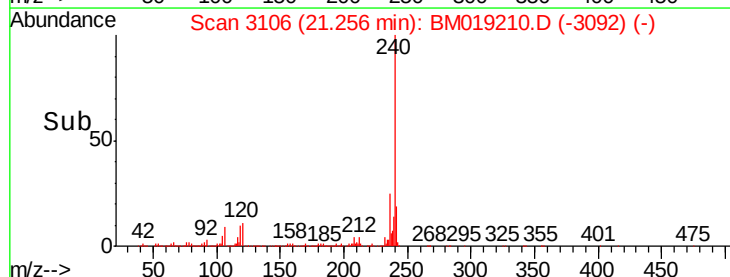
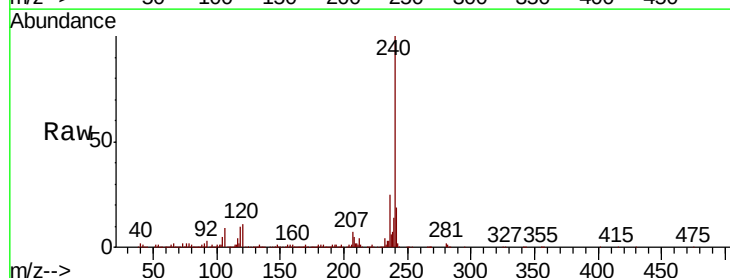
Instrument :  
BNA\_M  
ClientSampled :  
RT-3483

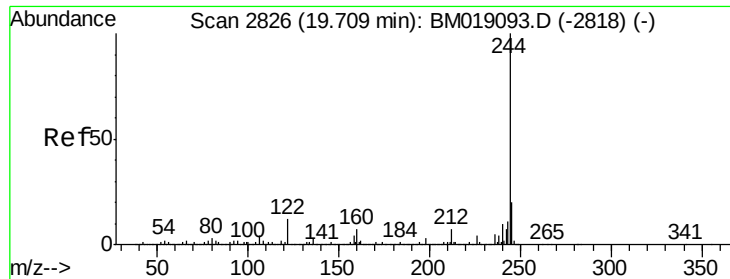
Tot Ion:188 Resp: 1209499  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.1 12.1  
80 12.0 9.7 14.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.26 min Scan# 3106  
Delta R.T. -0.02 min  
Lab File: BM019210.D  
Acq: 16 Mar 2019 05:38

Tgt Ion:240 Resp: 970604  
Ion Ratio Lower Upper  
240 100  
120 11.2 8.9 13.3  
236 25.4 21.0 31.4





#79

Terphenyl-d14

Concen: 138.247 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM019210.D

Acq: 16 Mar 2019 05:38

Instrument :

BNA\_M

ClientSampleId :

RT-3483

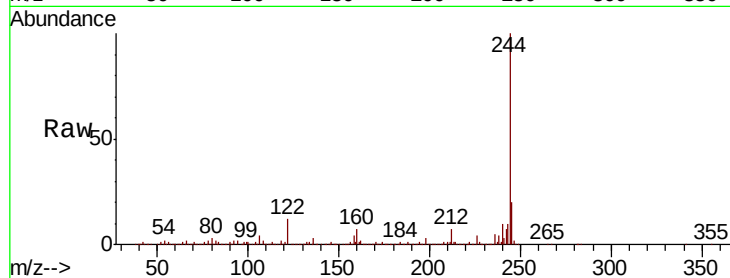
Tot Ion:244 Resp: 6759105

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

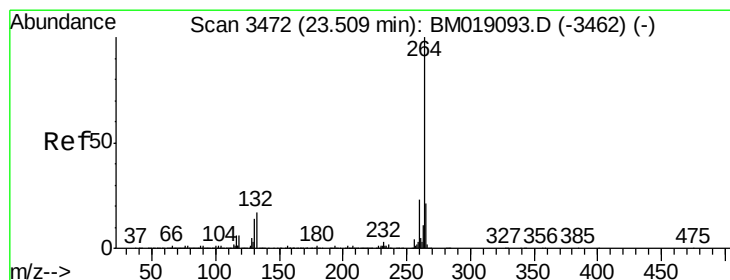
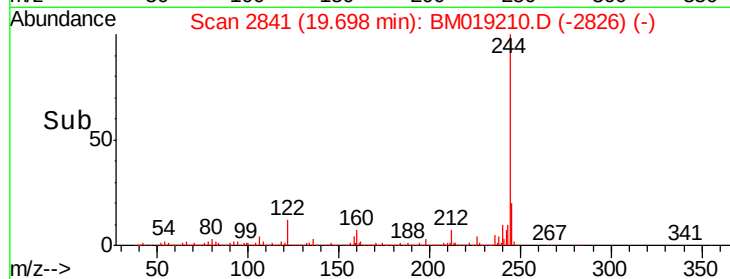
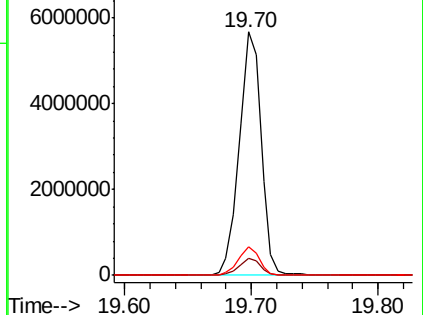
122 12.0 9.4 14.2



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: 23.49 min Scan# 3486

Delta R.T. -0.02 min

Lab File: BM019210.D

Acq: 16 Mar 2019 05:38

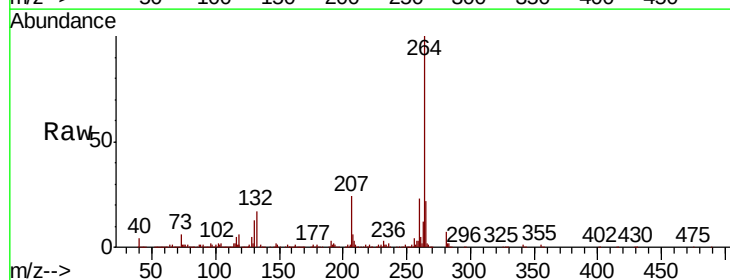
Tgt Ion:264 Resp: 867420

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

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

