

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070618\  
 Data File : BM015826.D  
 Acq On : 07 Jul 2018 06:08  
 Operator : SJ/JU  
 Sample : J3820-02  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BU-03-070318

Quant Time: Jul 09 00:52:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 05 17:39:50 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.30  | 152  | 126015   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 11.13 | 136  | 489439   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.93 | 164  | 274761   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.65 | 188  | 598842   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.76 | 240  | 473831   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.16 | 264  | 391699   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.82  | 112  | 1158161  | 157.62 | ng    | 0.00     |
| 7) Phenol-d6                | 7.46  | 99   | 1301814  | 129.41 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.50  | 82   | 1122991  | 111.95 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.41 | 330  | 645443   | 179.78 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.56 | 172  | 2424055  | 109.53 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.22 | 244  | 3829517  | 149.91 | ng    | 0.00     |

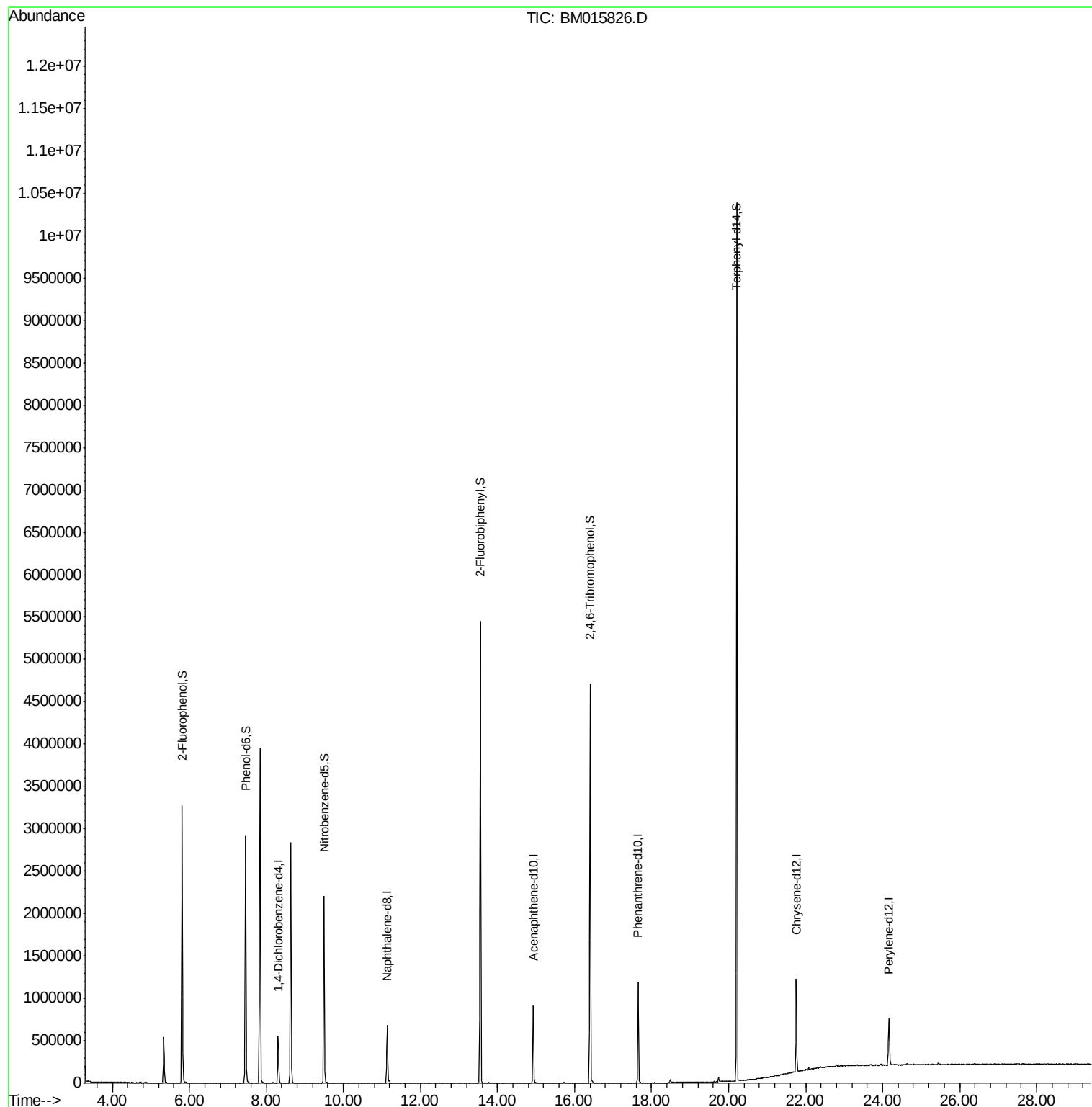
Target Compounds Qvalue

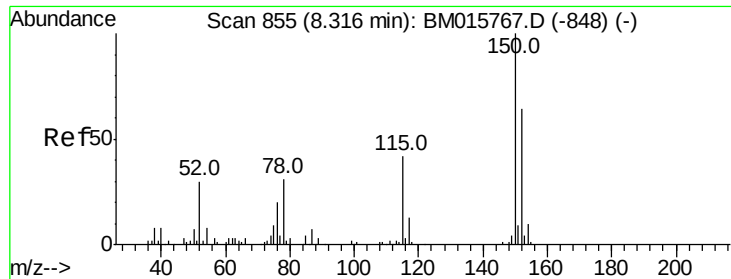
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 05 17:39:50 2018  
Response via : Initial Calibration



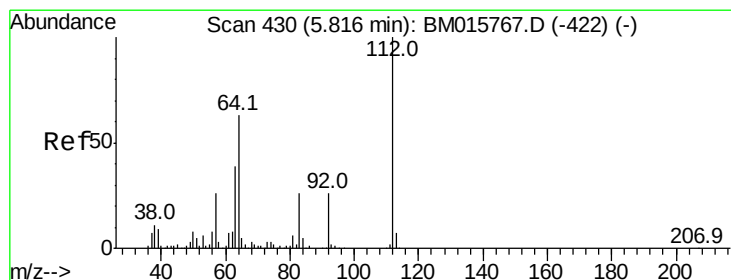
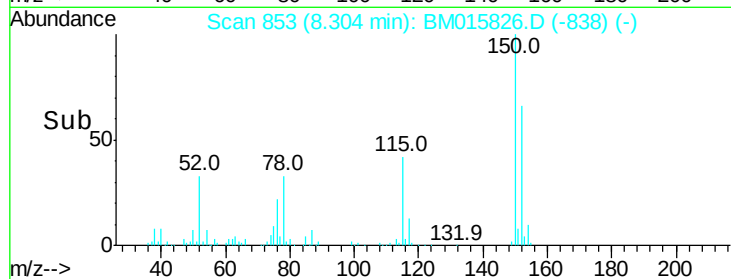
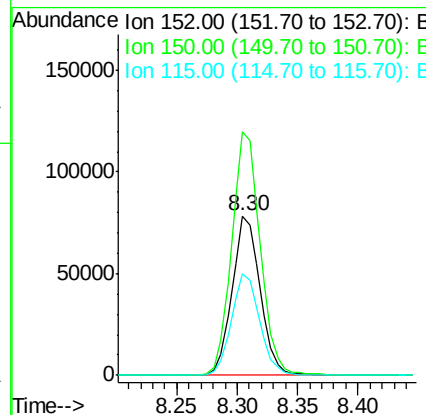
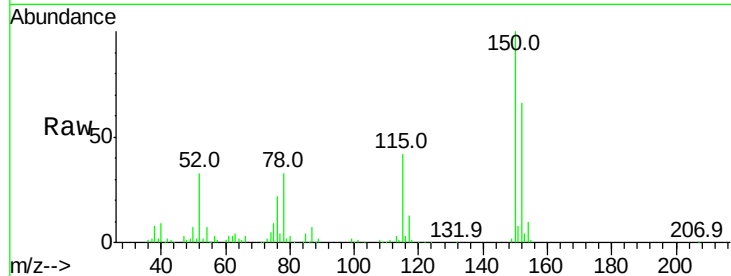


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.30 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: BM015826.D  
Acq: 07 Jul 2018 06:08

Instrument :  
BNA\_M  
ClientSampleId :  
BU-03-070318

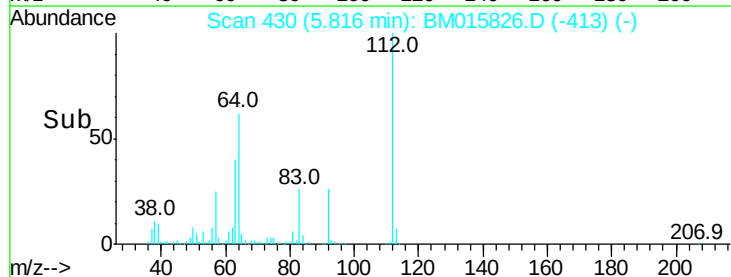
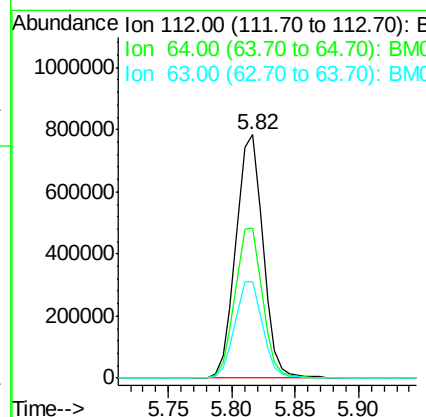
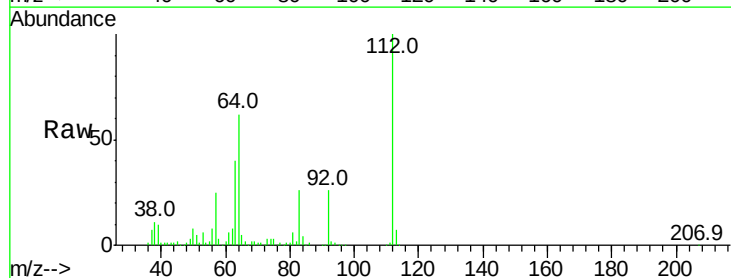
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.6 | 119.5 | 179.3 |
| 115     | 63.7  | 43.0  | 64.4  |

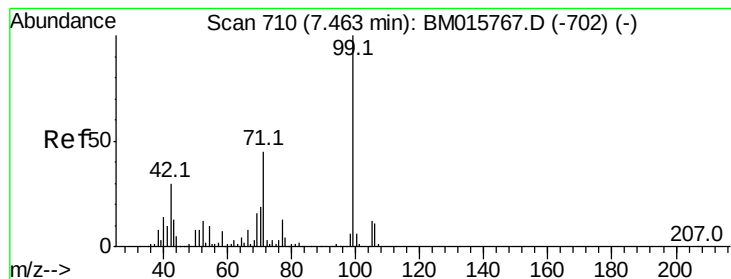


#5

2-Fluorophenol  
Concen: Below ng  
RT: 5.82 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BM015826.D  
Acq: 07 Jul 2018 06:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.8  | 38.6  | 57.8# |
| 63      | 39.6  | 19.3  | 28.9# |





#7

Phenol-d6

Concen: N.D. ng

RT: 7.46 min Scan# 710

Delta R.T. -0.00 min

Lab File: BM015826.D

Acq: 07 Jul 2018 06:08

Instrument :

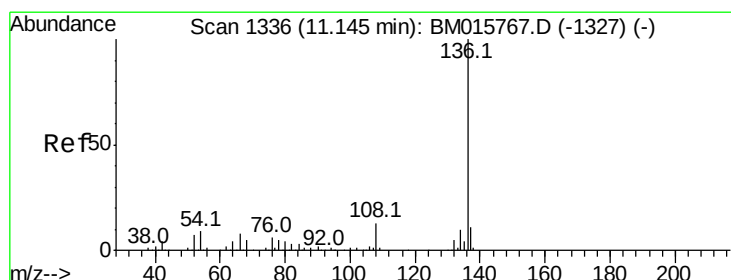
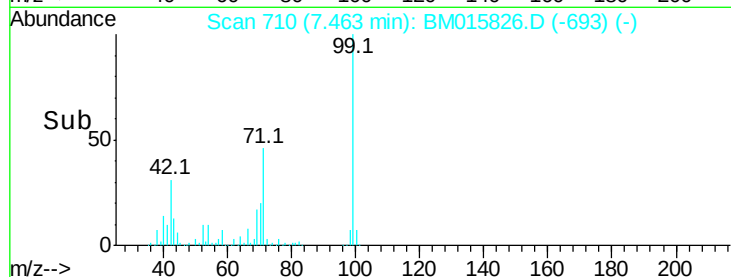
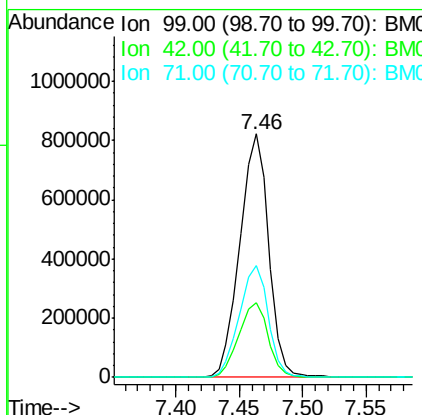
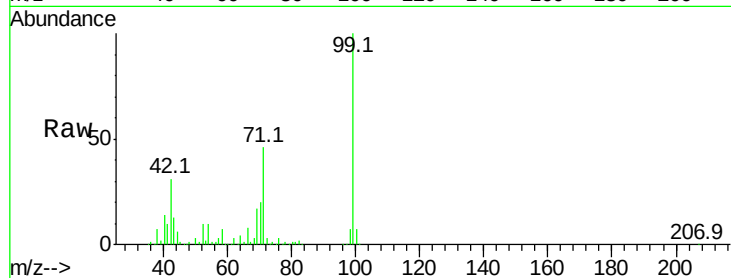
BNA\_M

ClientSampleId :

BU-03-070318

Tot Ion: 99 Resp: 1301814

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 30.7  | 11.0  | 16.4# |
| 71  | 45.8  | 23.4  | 35.2# |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.13 min Scan# 1334

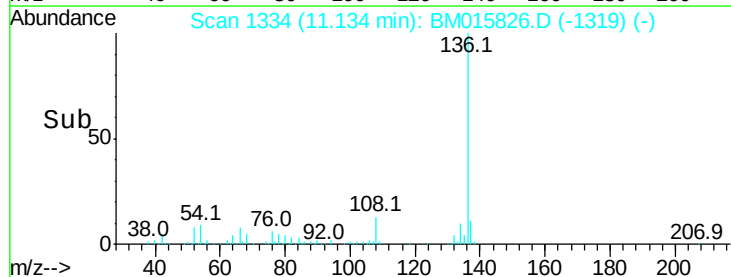
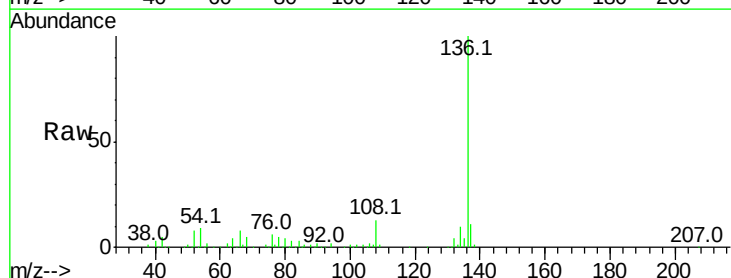
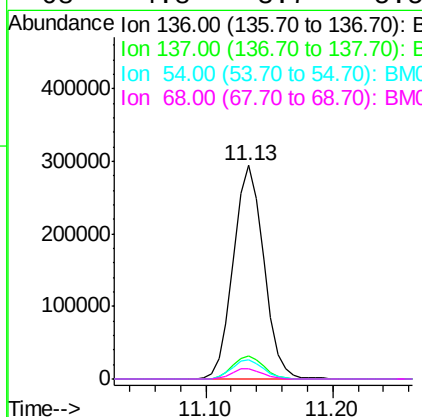
Delta R.T. -0.01 min

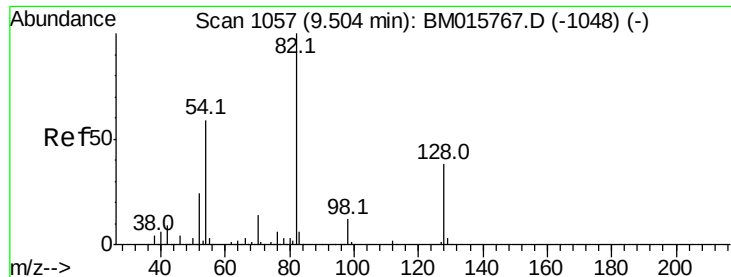
Lab File: BM015826.D

Acq: 07 Jul 2018 06:08

Tgt Ion: 136 Resp: 489439

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.7   | 13.1  |
| 54  | 9.2   | 4.6   | 6.8#  |
| 68  | 4.8   | 3.7   | 5.5   |



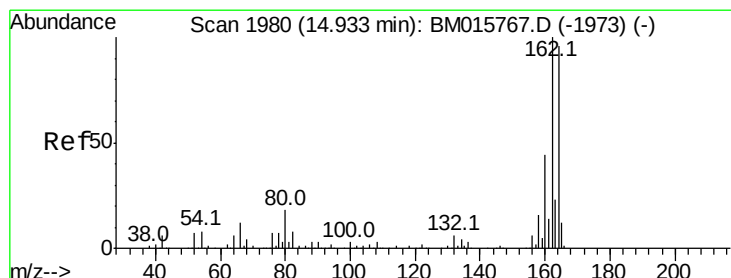
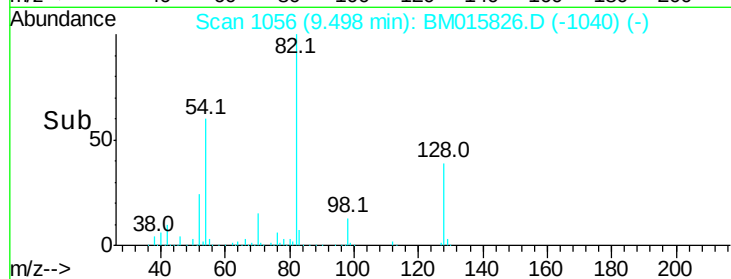
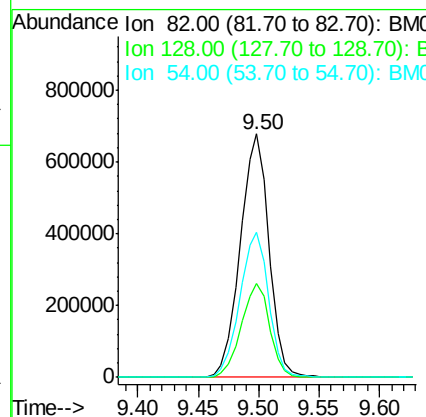
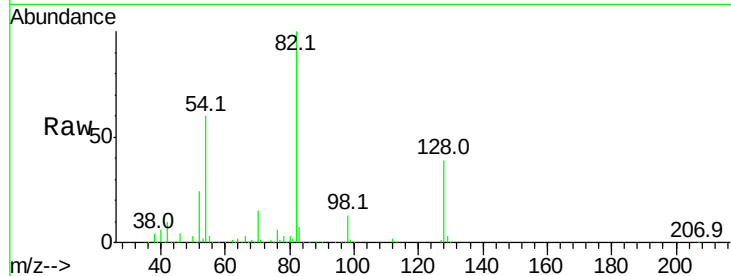


#23  
 Nitrobenzene-d5  
 Concen: Below na  
 RT: 9.50 min Scan# 1056  
 Delta R.T. -0.01 min  
 Lab File: BM015826.D  
 Acq: 07 Jul 2018 06:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BU-03-070318

Tot Ion: 82 Resp: 1122991  

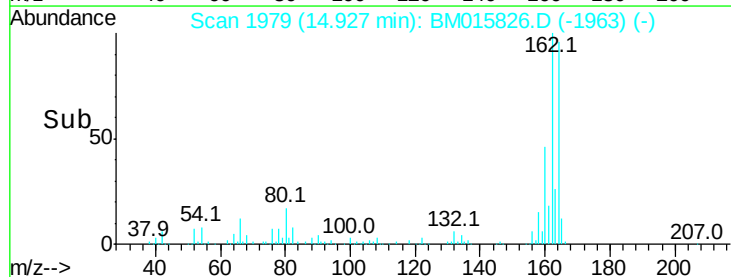
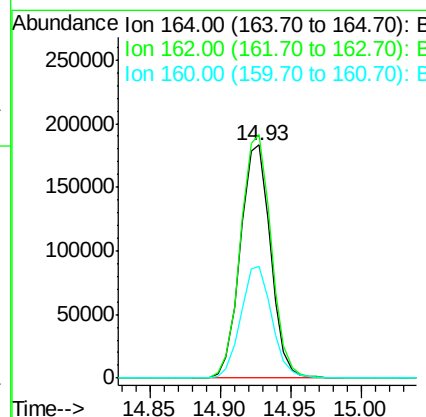
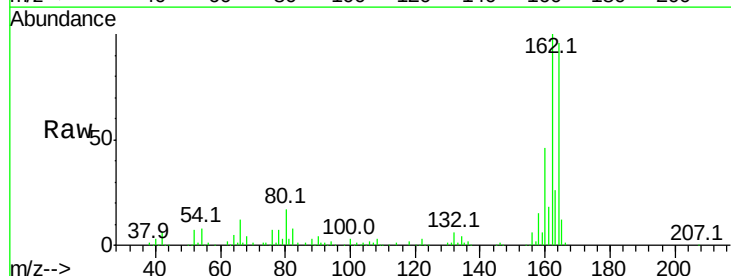
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 38.5  | 32.8  | 49.2  |
| 54  | 59.7  | 40.6  | 60.8  |

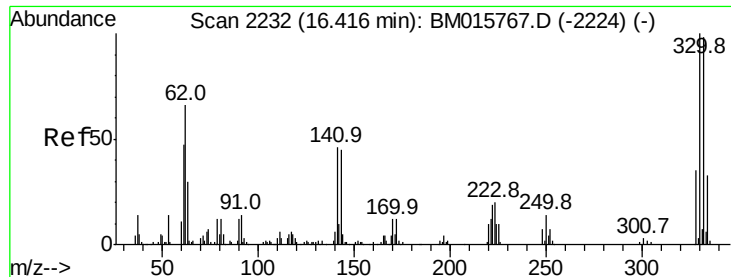


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.93 min Scan# 1979  
 Delta R.T. -0.01 min  
 Lab File: BM015826.D  
 Acq: 07 Jul 2018 06:08

Tgt Ion: 164 Resp: 274761  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.4 | 82.4  | 123.6 |
| 160 | 47.8  | 35.8  | 53.6  |

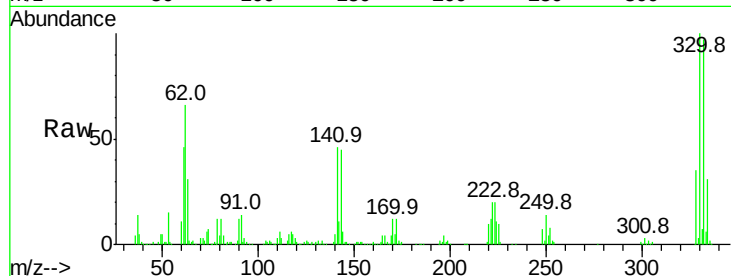




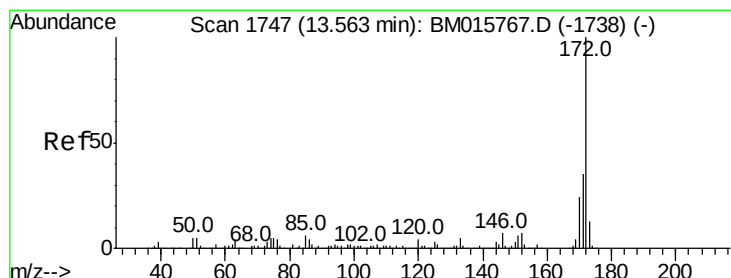
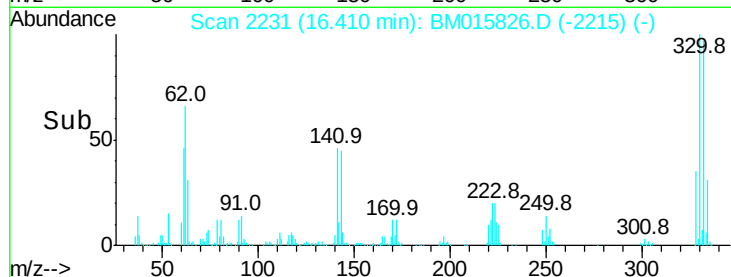
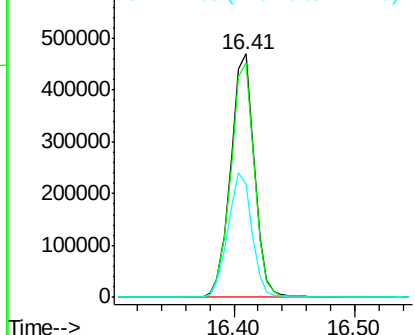
#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.41 min Scan# 2231  
 Delta R.T. -0.01 min  
 Lab File: BM015826.D  
 Acq: 07 Jul 2018 06:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BU-03-070318

Tot Ion:330 Resp: 645443  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 0.0 0.0#  
 141 52.0 0.0 0.0#

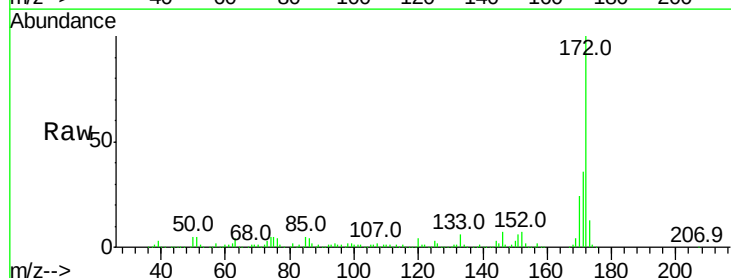


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

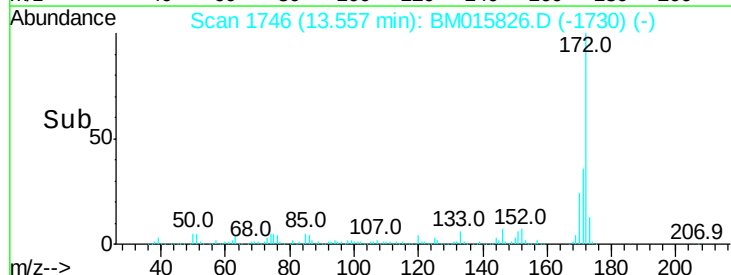
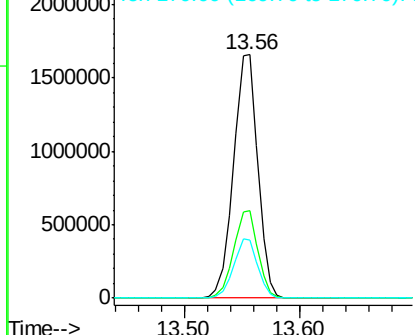


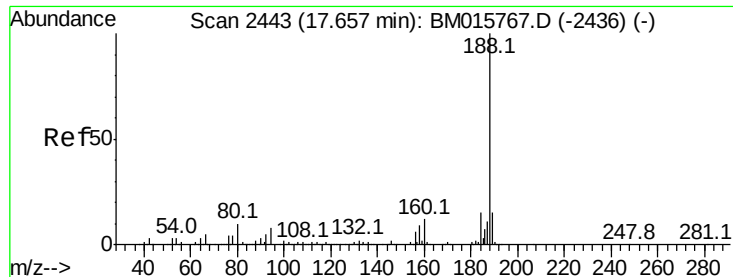
#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.56 min Scan# 1746  
 Delta R.T. -0.01 min  
 Lab File: BM015826.D  
 Acq: 07 Jul 2018 06:08

Tgt Ion:172 Resp: 2424055  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.5 42.7  
 170 23.9 18.8 28.2



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

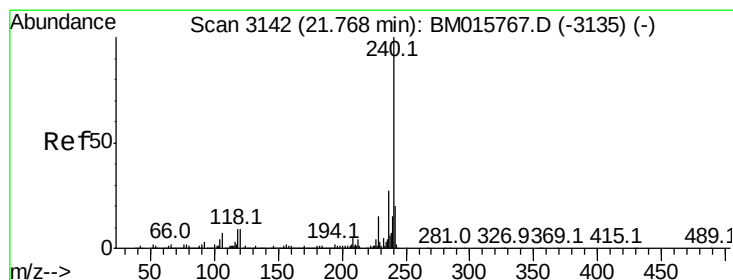
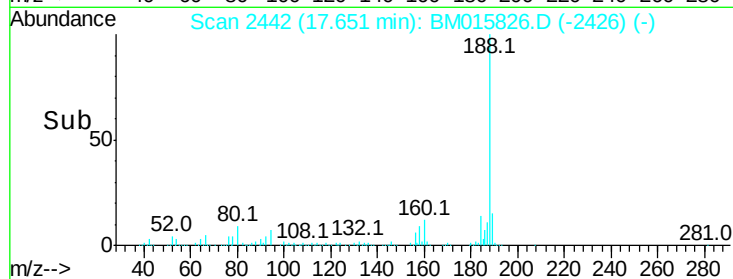
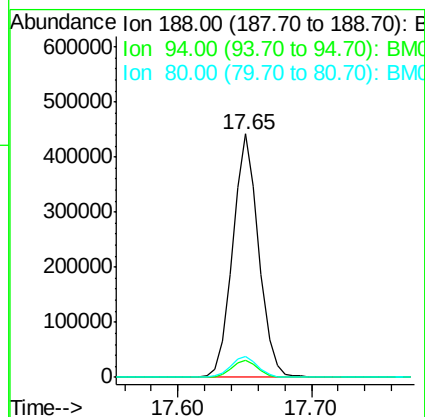
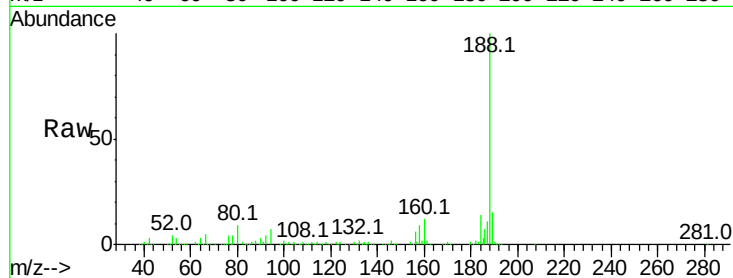




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.65 min Scan# 2442  
Delta R.T. -0.01 min  
Lab File: BM015826.D  
Acq: 07 Jul 2018 06:08

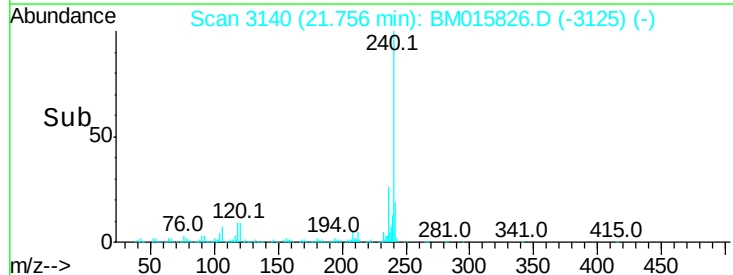
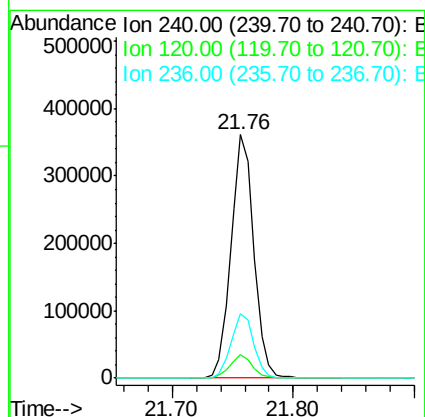
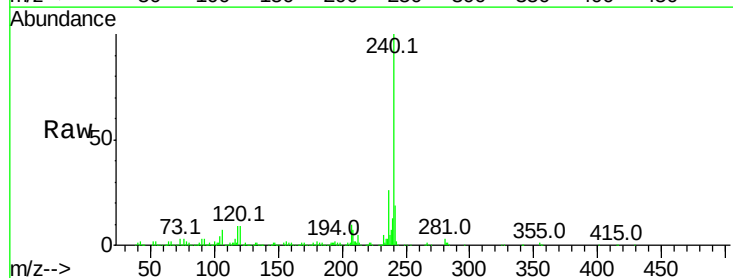
Instrument :  
BNA\_M  
ClientSampleId :  
BU-03-070318

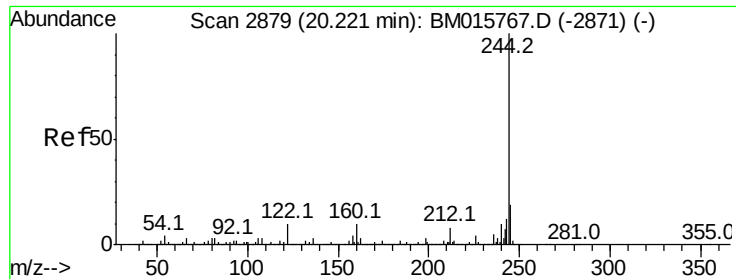
Tot Ion:188 Resp: 598842  
Ion Ratio Lower Upper  
188 100  
94 7.2 8.7 13.1#  
80 8.7 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.76 min Scan# 3140  
Delta R.T. -0.01 min  
Lab File: BM015826.D  
Acq: 07 Jul 2018 06:08

Tgt Ion:240 Resp: 473831  
Ion Ratio Lower Upper  
240 100  
120 9.4 8.2 12.2  
236 26.3 20.0 30.0





#78

Terphenyl-d14

Concen: Below na

RT: 20.22 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BM015826.D

Acq: 07 Jul 2018 06:08

Instrument :

BNA\_M

ClientSampleId :

BU-03-070318

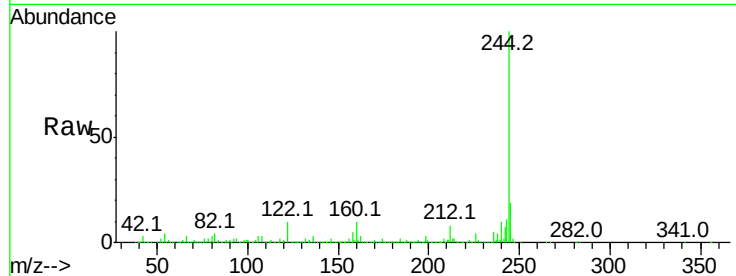
Tot Ion:244 Resp: 3829517

Ion Ratio Lower Upper

244 100

212 8.3 4.9 7.3#

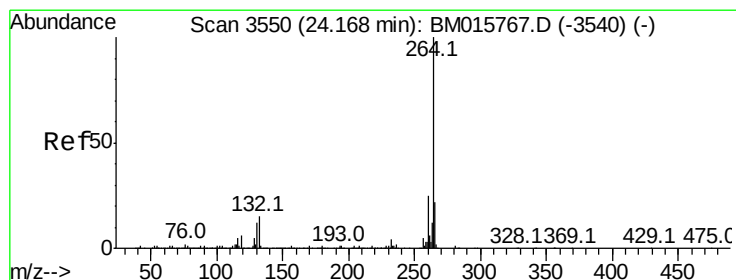
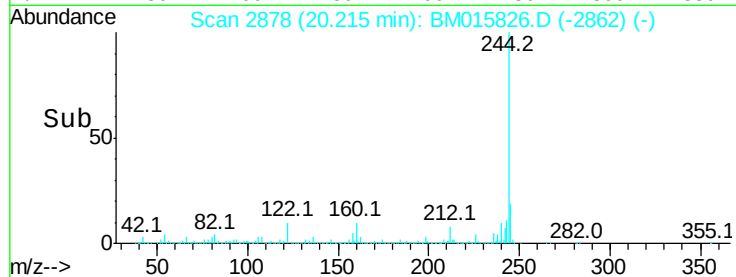
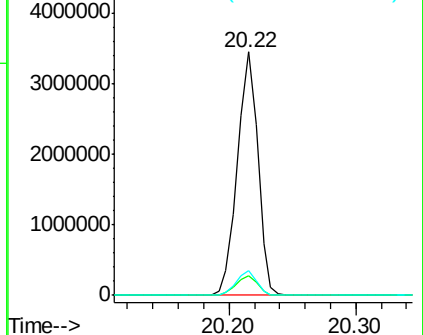
122 10.1 6.2 9.4#



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: 24.16 min Scan# 3549

Delta R.T. -0.01 min

Lab File: BM015826.D

Acq: 07 Jul 2018 06:08

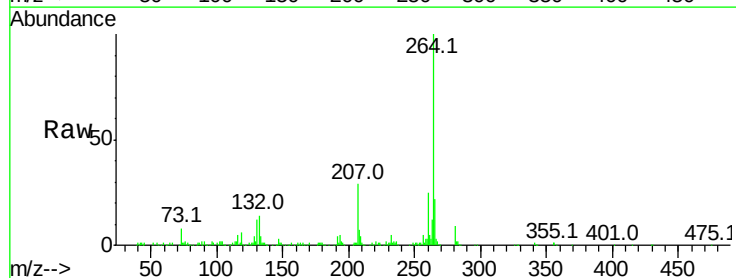
Tgt Ion:264 Resp: 391699

Ion Ratio Lower Upper

264 100

260 25.0 18.6 27.8

265 22.4 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

