

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120218\  
 Data File : BM017855.D  
 Acq On : 01 Dec 2018 14:08  
 Operator : JU/SJ  
 Sample : PB115195BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB115195BL

Quant Time: Dec 03 00:17:20 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 12 18:37:25 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.58  | 152  | 219722   | 20.00 | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.35 | 136  | 917784   | 20.00 | ng    | -0.04    |
| 39) Acenaphthene-d10        | 14.23 | 164  | 522611   | 20.00 | ng    | -0.04    |
| 64) Phenanthrene-d10        | 16.99 | 188  | 1084297  | 20.00 | ng    | -0.03    |
| 76) Chrysene-d12            | 21.19 | 240  | 884308   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 23.37 | 264  | 816378   | 20.00 | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 1249730  | 95.99 | ng    | -0.03    |
| 7) Phenol-d6                | 6.77  | 99   | 1650261  | 90.76 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 8.74  | 82   | 1016691  | 57.19 | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol    | 15.73 | 330  | 590664   | 78.66 | ng    | -0.03    |
| 45) 2-Fluorobiphenyl        | 12.84 | 172  | 2370447  | 58.84 | ng    | -0.04    |
| 79) Terphenyl-d14           | 19.63 | 244  | 2978666  | 76.34 | ng    | -0.02    |

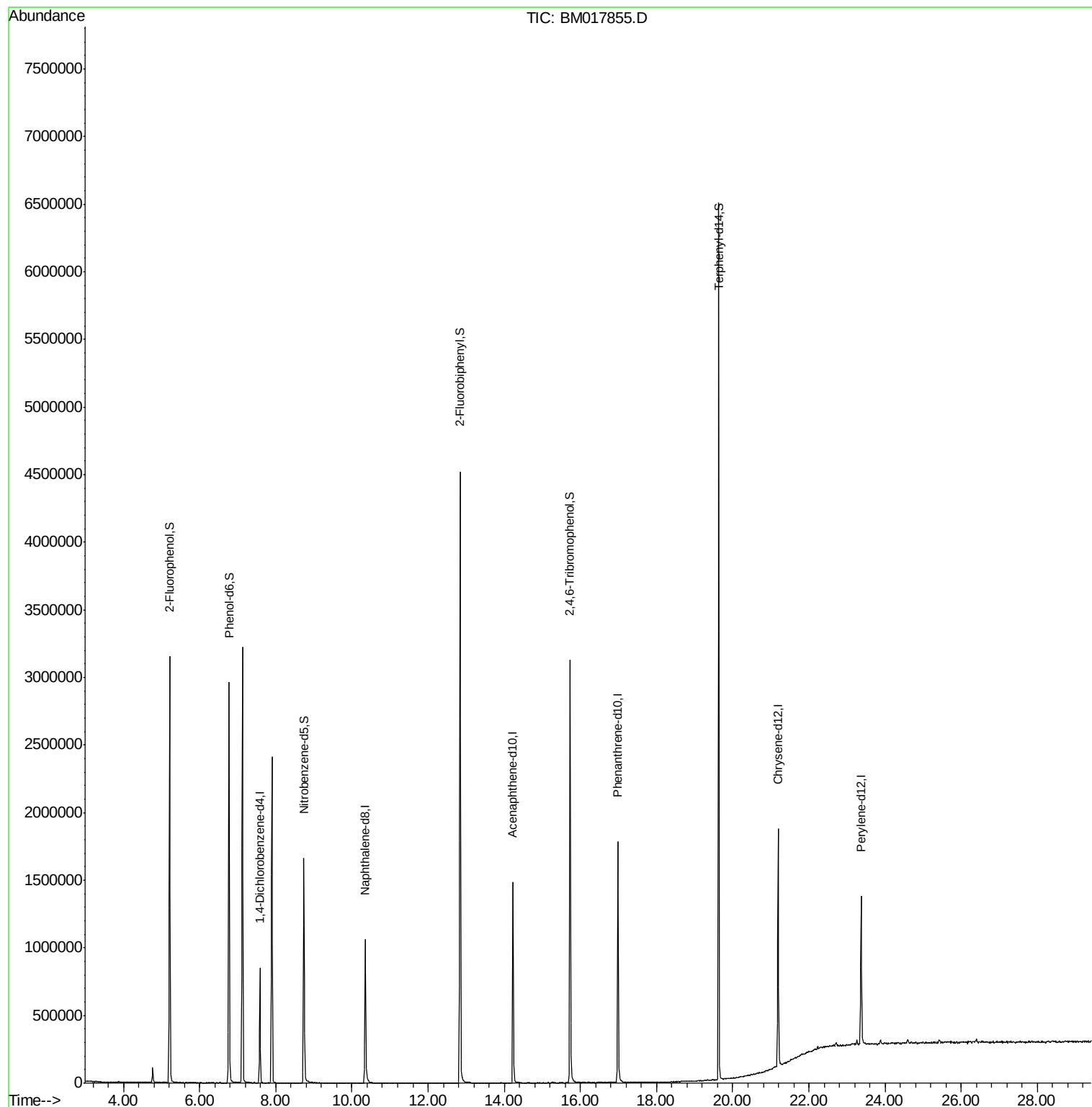
Target Compounds Qvalue

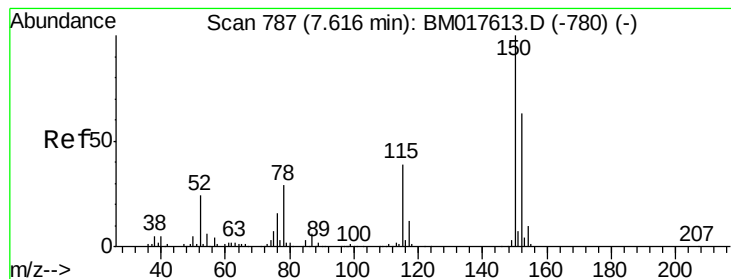
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_M  
ClientSampleId :  
PB115195BL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 12 18:37:25 2018  
Response via : Initial Calibration



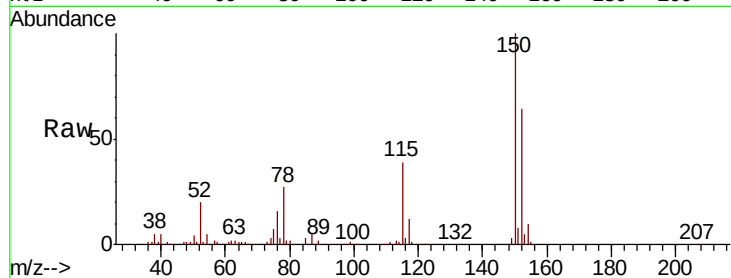


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.58 min Scan# 781  
Delta R.T. -0.04 min  
Lab File: BM017855.D  
Acq: 01 Dec 2018 14:08

Instrument :  
BNA\_M  
ClientSampleId :  
PB115195BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 126.4 | 189.6 |
| 115     | 61.4  | 49.4  | 74.0  |

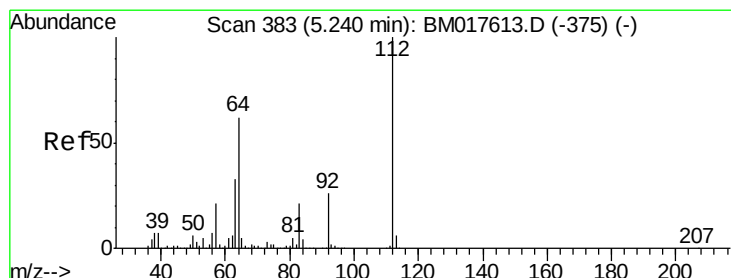
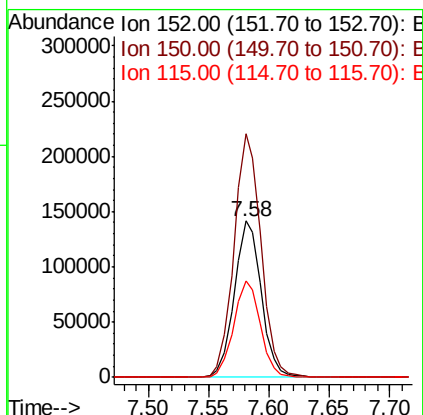
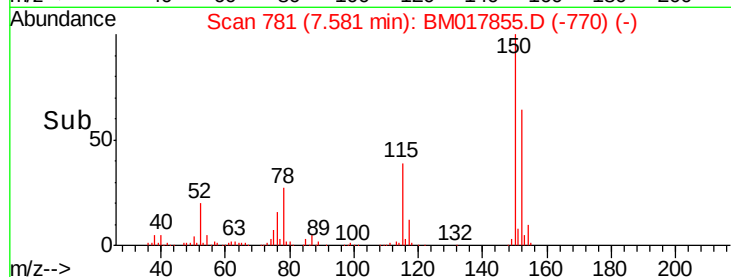


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

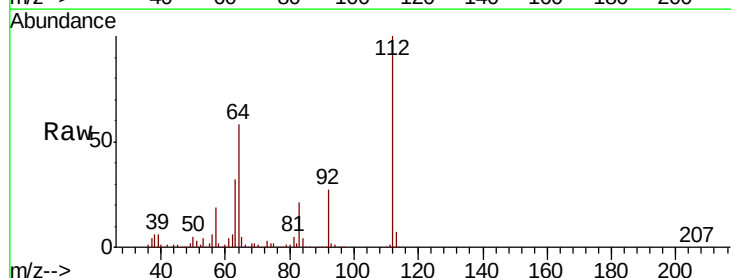
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 95.990 ng  
RT: 5.21 min Scan# 378  
Delta R.T. -0.03 min  
Lab File: BM017855.D  
Acq: 01 Dec 2018 14:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.3  | 49.3  | 73.9  |
| 63      | 32.0  | 26.2  | 39.4  |

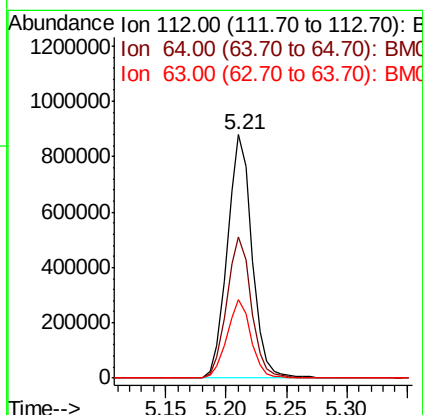
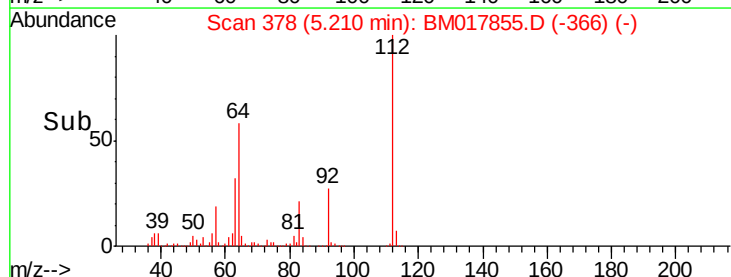


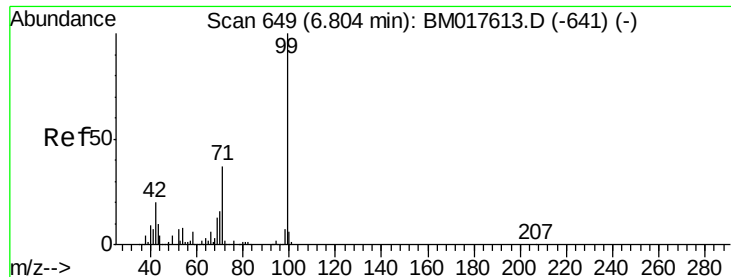
Abundance

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: 90.756 ng

RT: 6.77 min Scan# 644

Delta R.T. -0.03 min

Lab File: BM017855.D

Acq: 01 Dec 2018 14:08

Instrument :

BNA\_M

ClientSampleId :

PB115195BL

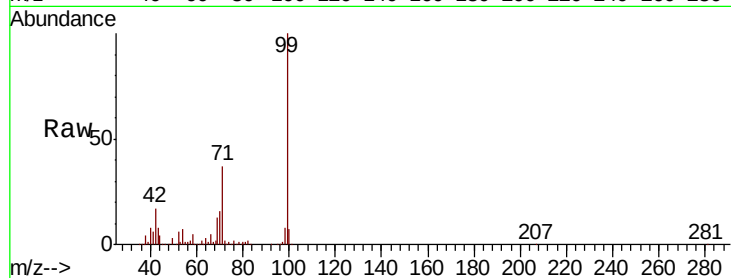
Tot Ion: 99 Resp: 1650261

Ion Ratio Lower Upper

99 100

42 17.3 16.3 24.5

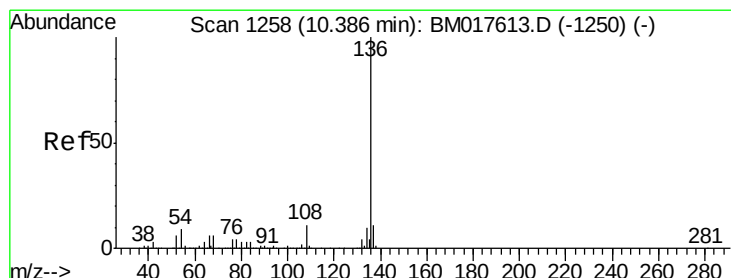
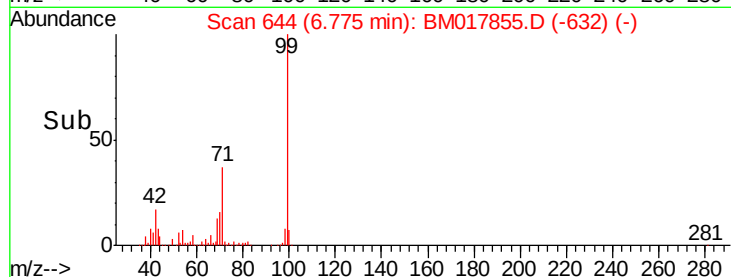
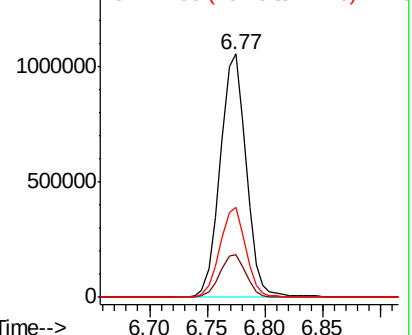
71 36.8 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BM017613.D (-641) (-)

Ion 42.00 (41.70 to 42.70): BM017613.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BM017613.D (-641) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1252

Delta R.T. -0.04 min

Lab File: BM017855.D

Acq: 01 Dec 2018 14:08

Tgt Ion: 136 Resp: 917784

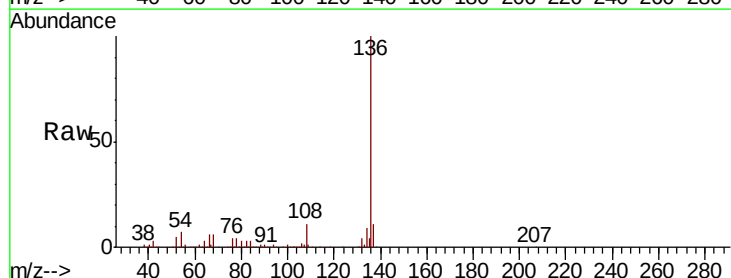
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 7.4 7.0 10.6

68 6.3 4.9 7.3

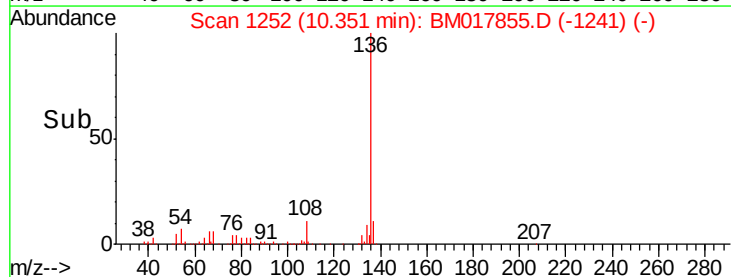
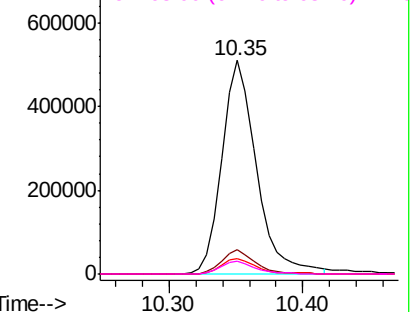


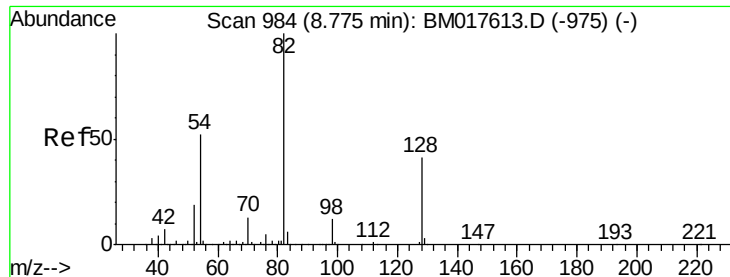
Abundance Ion 136.00 (135.70 to 136.70): BM017613.D (-1250) (-)

Ion 137.00 (136.70 to 137.70): BM017613.D (-1250) (-)

Ion 54.00 (53.70 to 54.70): BM017613.D (-1250) (-)

Ion 68.00 (67.70 to 68.70): BM017613.D (-1250) (-)

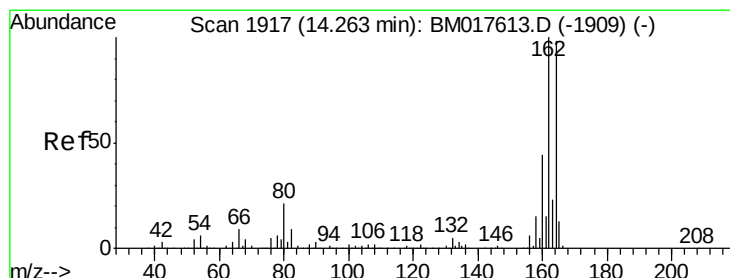
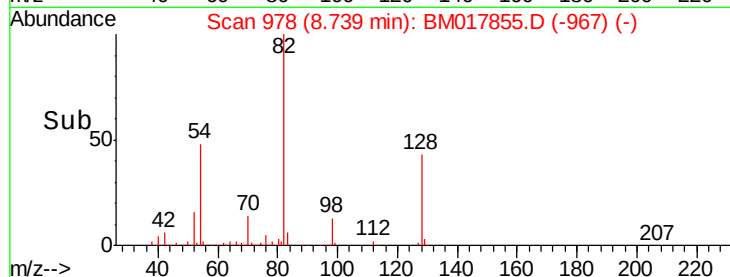
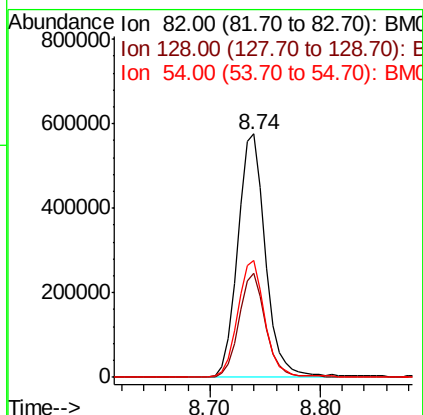
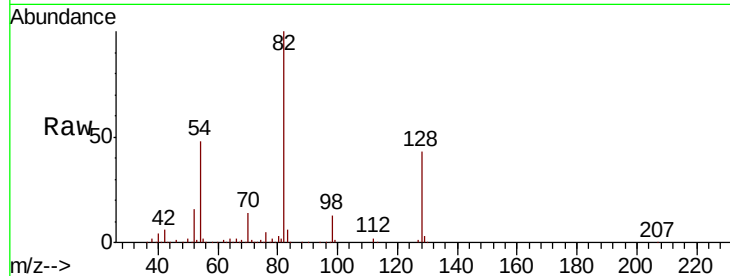




#23  
Nitrobenzene-d5  
Concen: 57.189 ng  
RT: 8.74 min Scan# 978  
Delta R.T. -0.04 min  
Lab File: BM017855.D  
Acq: 01 Dec 2018 14:08

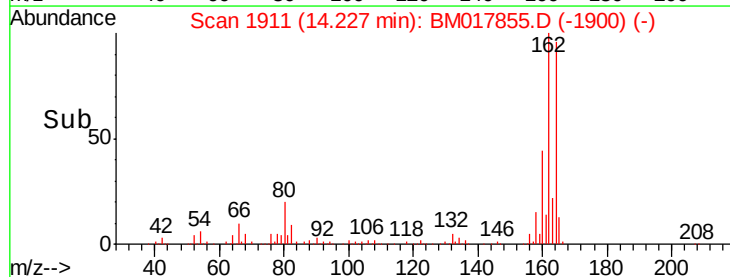
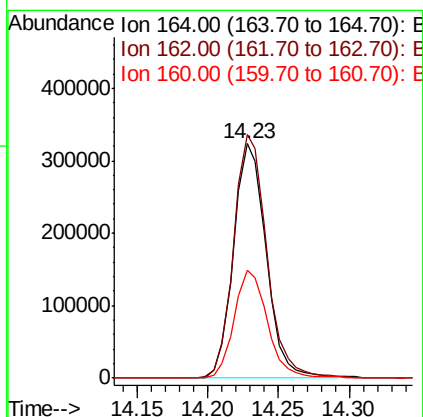
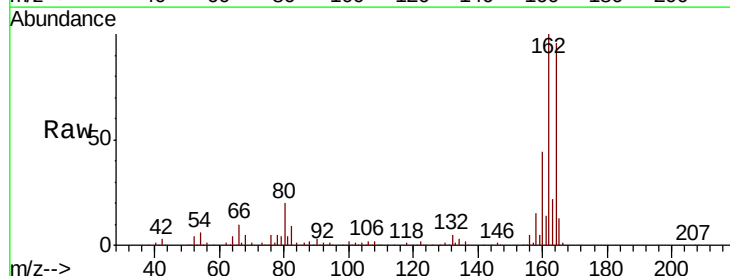
Instrument :  
BNA\_M  
ClientSampleId :  
PB115195BL

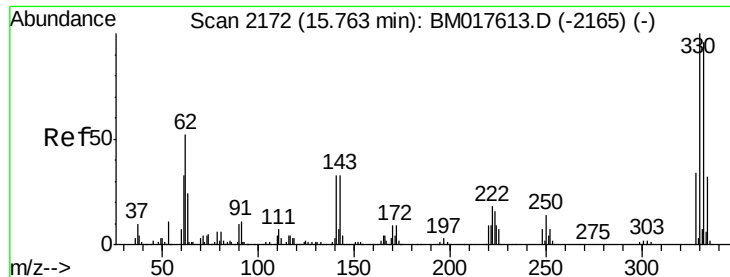
Tot Ion: 82 Resp: 1016691  
Ion Ratio Lower Upper  
82 100  
128 42.8 33.0 49.4  
54 47.9 41.4 62.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.23 min Scan# 1911  
Delta R.T. -0.04 min  
Lab File: BM017855.D  
Acq: 01 Dec 2018 14:08

Tgt Ion:164 Resp: 522611  
Ion Ratio Lower Upper  
164 100  
162 103.9 81.4 122.0  
160 46.2 35.6 53.4

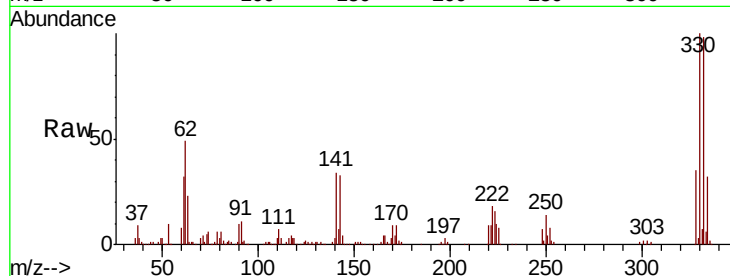




#42  
 2,4,6-Tribromophenol  
 Concen: 78.659 ng  
 RT: 15.73 min Scan# 2167  
 Delta R.T. -0.03 min  
 Lab File: BM017855.D  
 Acq: 01 Dec 2018 14:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB115195BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.9  | 116.9 |
| 141     | 36.1  | 27.5  | 41.3  |

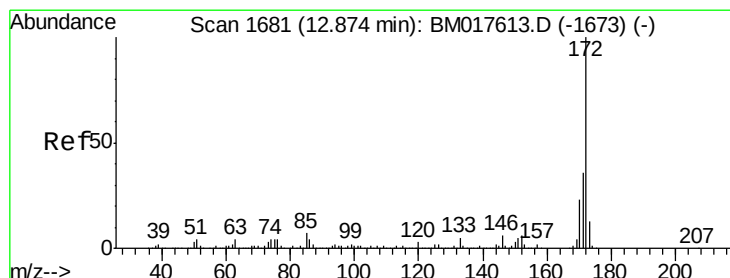
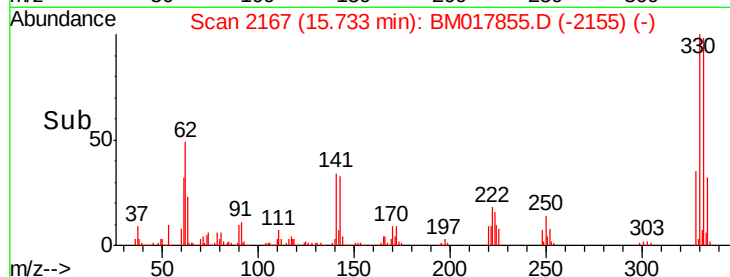
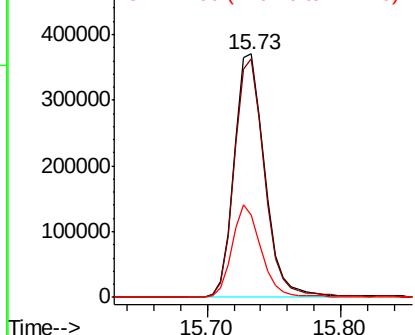


Abundance

Ion 329.80 (329.50 to 330.50): E

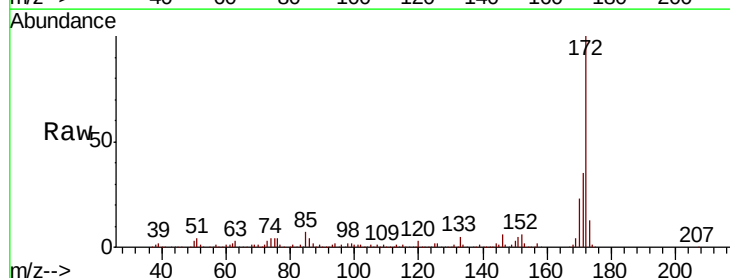
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 58.844 ng  
 RT: 12.84 min Scan# 1675  
 Delta R.T. -0.04 min  
 Lab File: BM017855.D  
 Acq: 01 Dec 2018 14:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 28.7  | 43.1  |
| 170     | 22.5  | 18.3  | 27.5  |

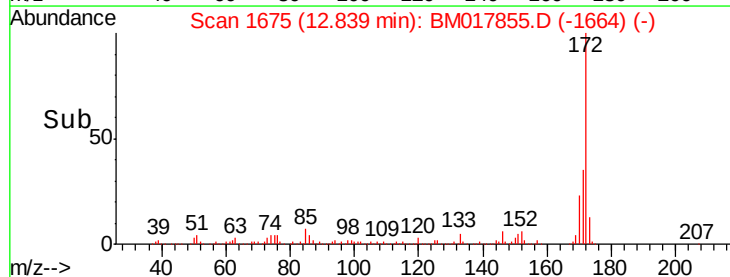
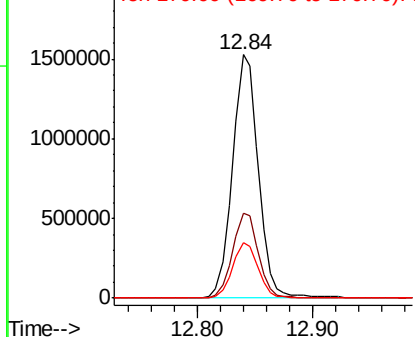


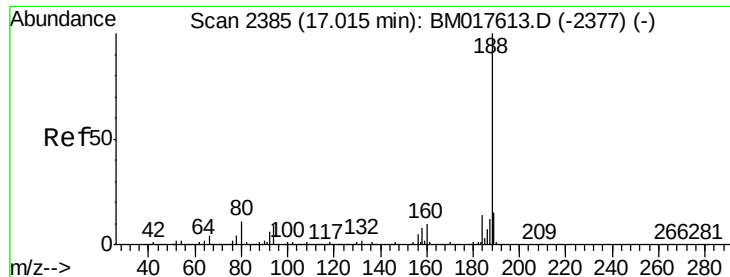
Abundance

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

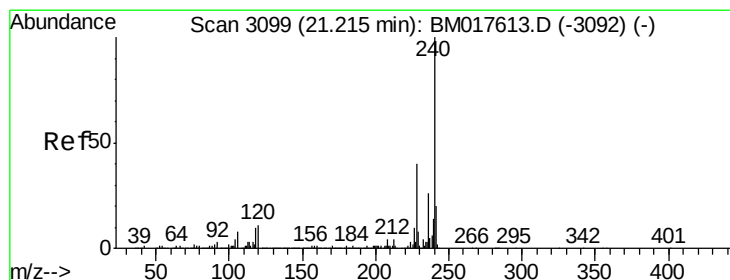
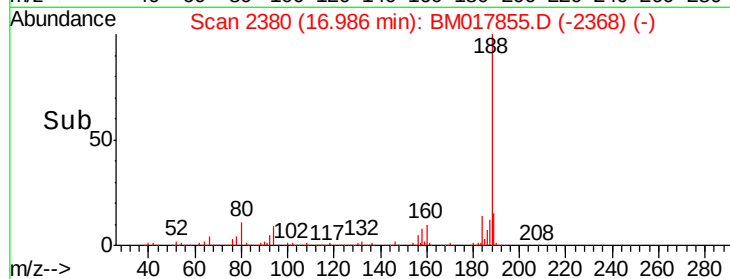
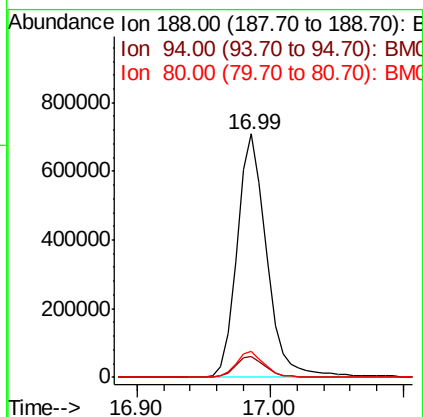
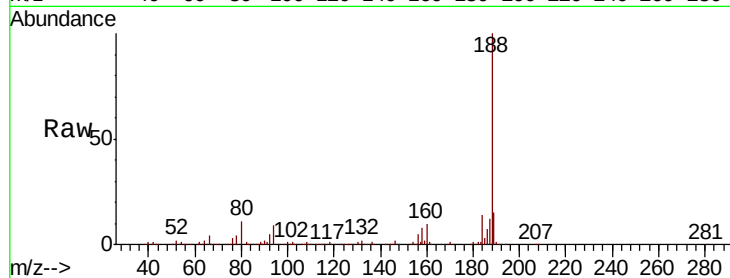




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.99 min Scan# 2380  
Delta R.T. -0.03 min  
Lab File: BM017855.D  
Acq: 01 Dec 2018 14:08

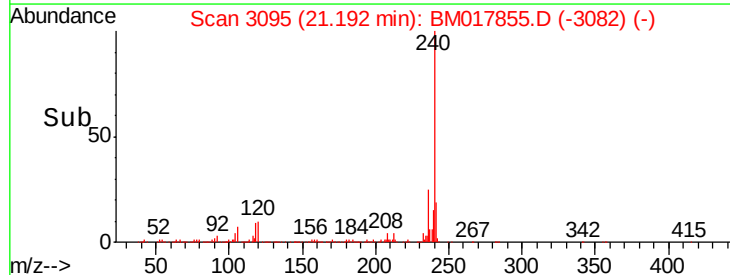
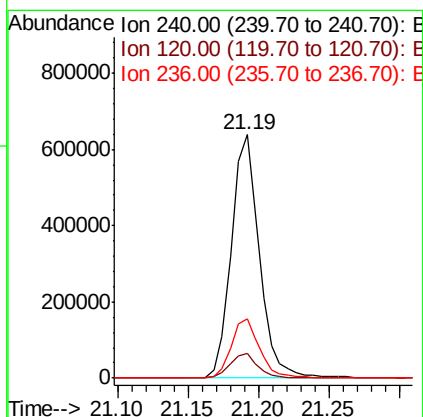
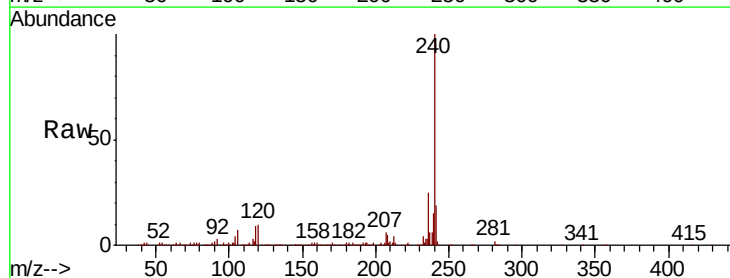
Instrument :  
BNA\_M  
ClientSampleId :  
PB115195BL

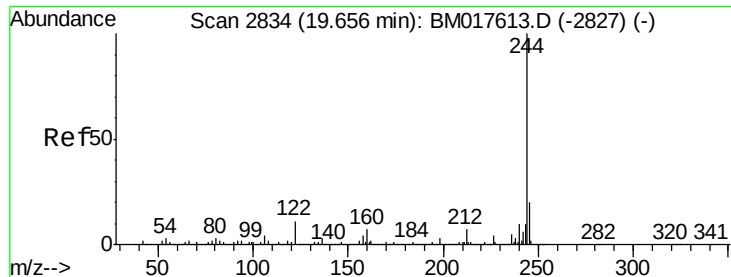
Tot Ion:188 Resp: 1084297  
Ion Ratio Lower Upper  
188 100  
94 8.7 7.5 11.3  
80 10.8 8.6 13.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.19 min Scan# 3095  
Delta R.T. -0.02 min  
Lab File: BM017855.D  
Acq: 01 Dec 2018 14:08

Tgt Ion:240 Resp: 884308  
Ion Ratio Lower Upper  
240 100  
120 9.9 8.5 12.7  
236 24.5 20.4 30.6





#79

Terphenyl-d14

Concen: 76.341 ng

RT: 19.63 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BM017855.D

Acq: 01 Dec 2018 14:08

Instrument :

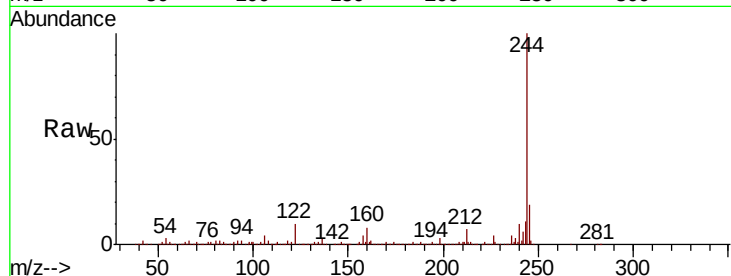
BNA\_M

ClientSampleId :

PB115195BL

Tot Ion:244 Resp: 2978666

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.9   | 5.8   | 8.6   |
| 122 | 10.2  | 9.0   | 13.6  |

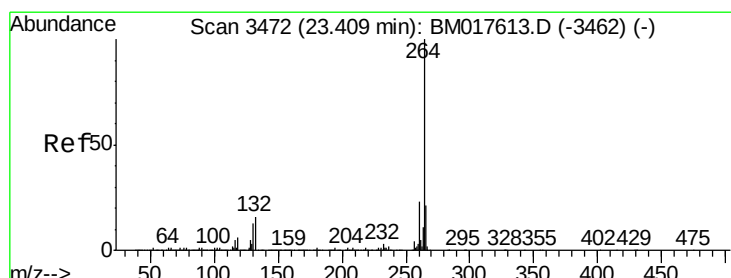
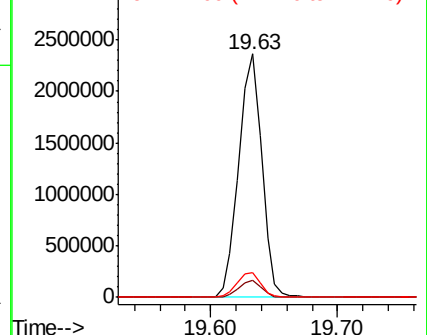
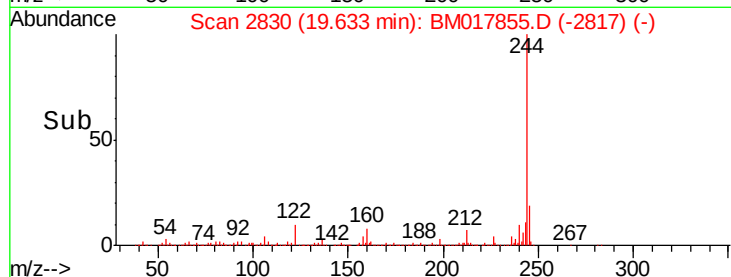


Abundance

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: 23.37 min Scan# 3466

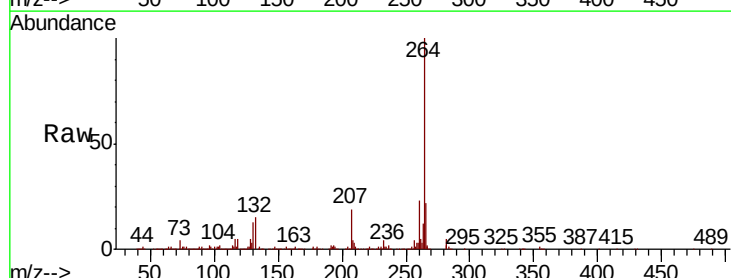
Delta R.T. -0.04 min

Lab File: BM017855.D

Acq: 01 Dec 2018 14:08

Tgt Ion:264 Resp: 816378

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.2  | 27.2  |
| 265 | 22.0  | 17.5  | 26.3  |



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

