

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022719\  
 Data File : BM018961.D  
 Acq On : 27 Feb 2019 22:13  
 Operator : JU/SJ  
 Sample : K1610-10  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-E

Quant Time: Feb 28 04:21:14 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  | 238157   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.47 | 136  | 1023816  | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 14.34 | 164  | 623736   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.10 | 188  | 1441067  | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.29 | 240  | 1393323  | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.54 | 264  | 1209656  | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 2060696  | 141.77 | ng    | -0.02    |
| 7) Phenol-d6                | 6.87  | 99   | 2654240  | 129.62 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.86  | 82   | 2225695  | 100.52 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.84 | 330  | 1484257  | 165.08 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.96 | 172  | 4487484  | 95.51  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.73 | 244  | 8141883  | 120.55 | ng    | -0.01    |

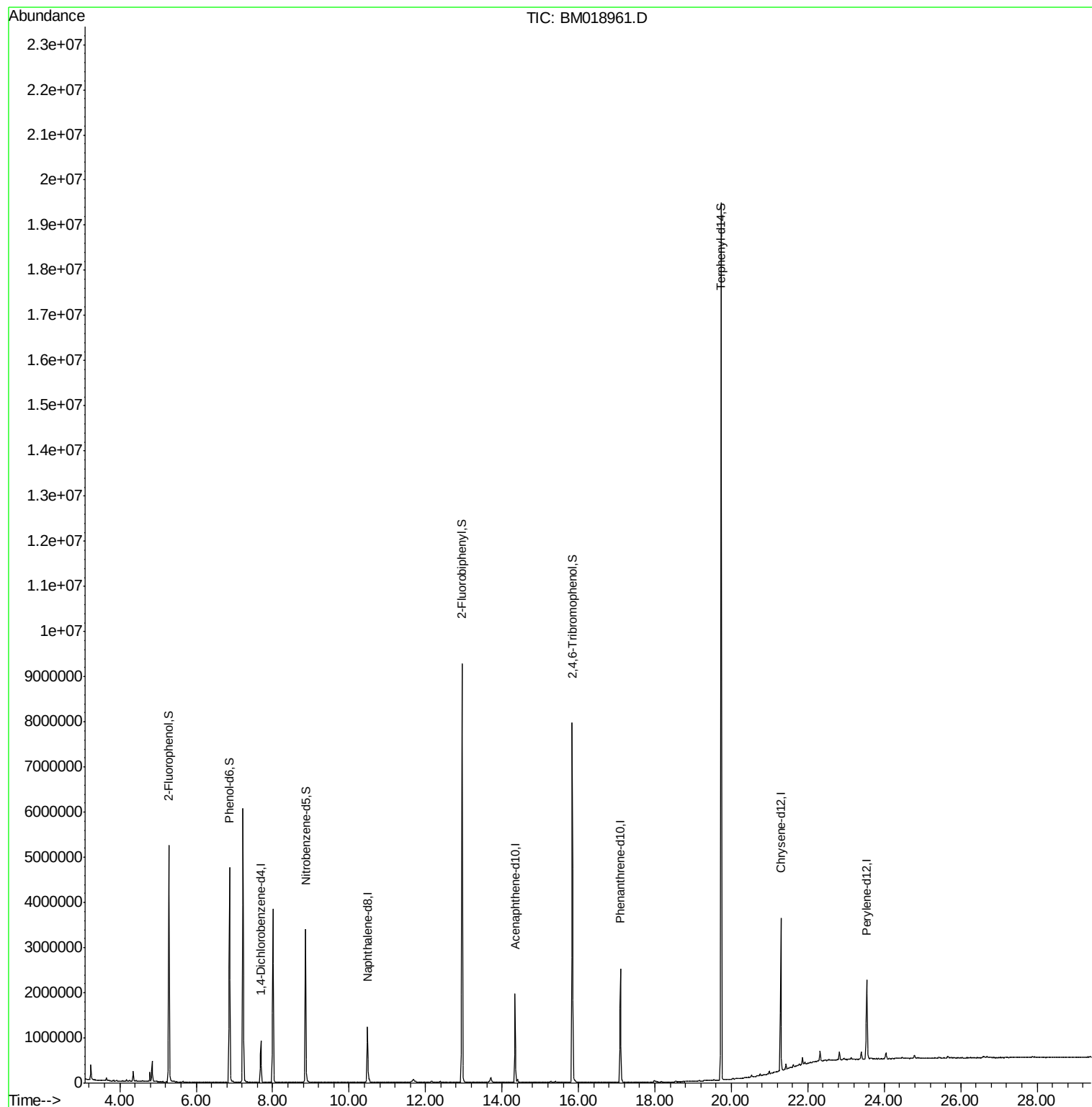
Target Compounds Qvalue

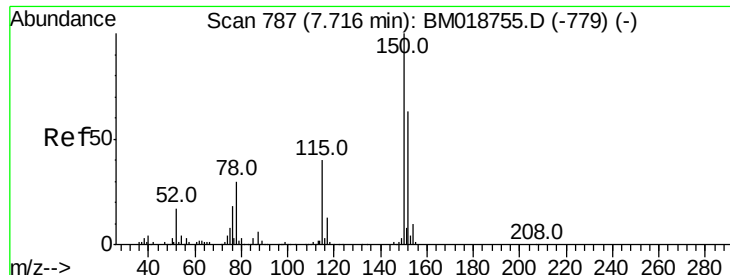
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
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WV-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 11 16:02:12 2019  
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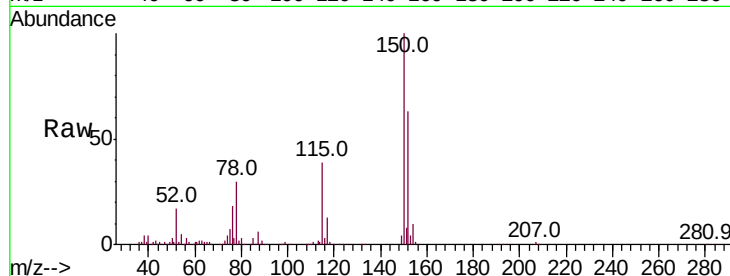


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.69 min Scan# 783  
Delta R.T. -0.02 min  
Lab File: BM018961.D  
Acq: 27 Feb 2019 22:13

Instrument :  
BNA\_M  
ClientSampleId :  
WV-E

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.6 | 127.3 | 190.9 |
| 115     | 62.5  | 50.8  | 76.2  |

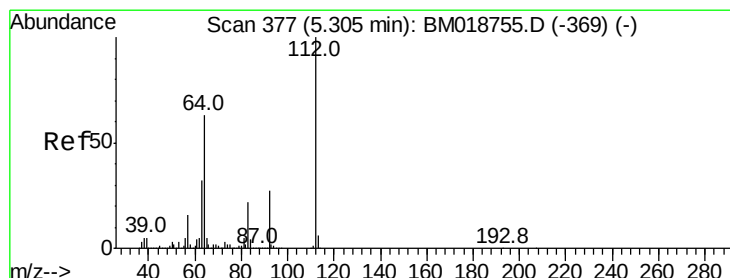
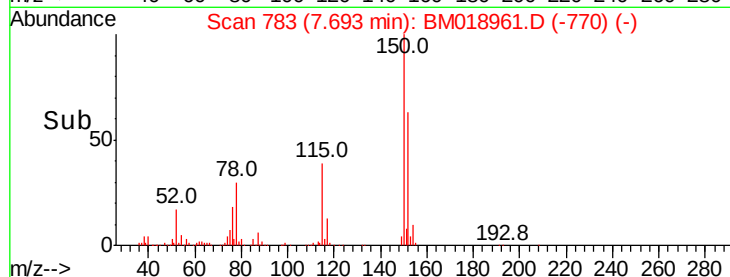
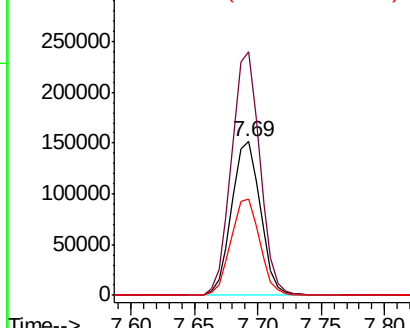


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

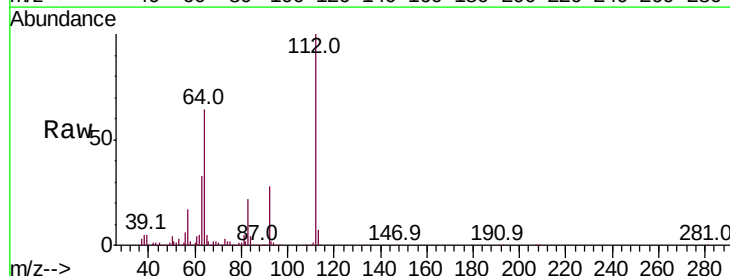
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 141.772 ng  
RT: 5.29 min Scan# 374  
Delta R.T. -0.02 min  
Lab File: BM018961.D  
Acq: 27 Feb 2019 22:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.0  | 50.6  | 75.8  |
| 63      | 32.6  | 25.7  | 38.5  |

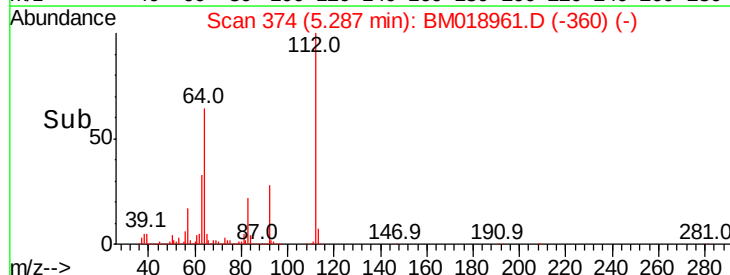
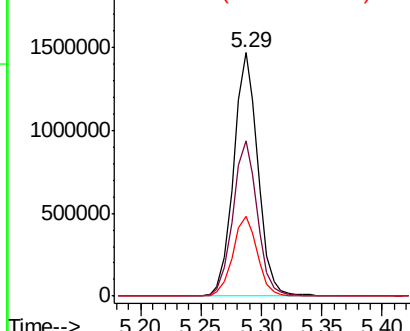


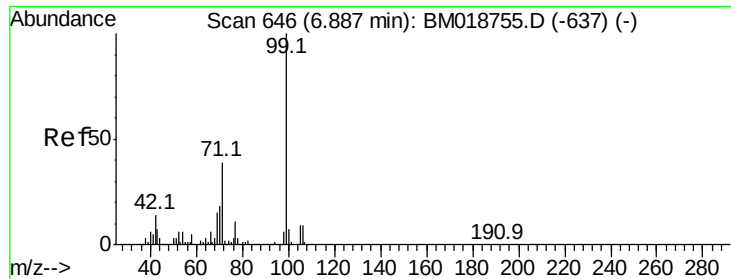
Abundance

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: 129.623 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018961.D

Acq: 27 Feb 2019 22:13

Instrument :

BNA\_M

ClientSampleId :

WV-E

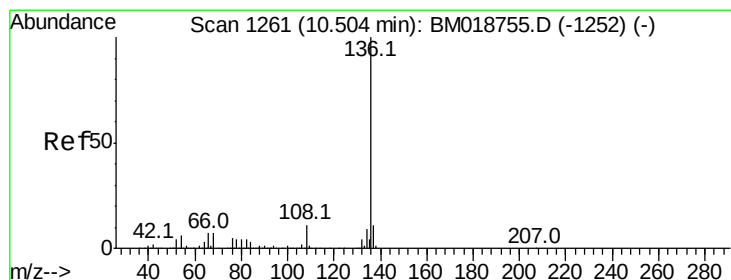
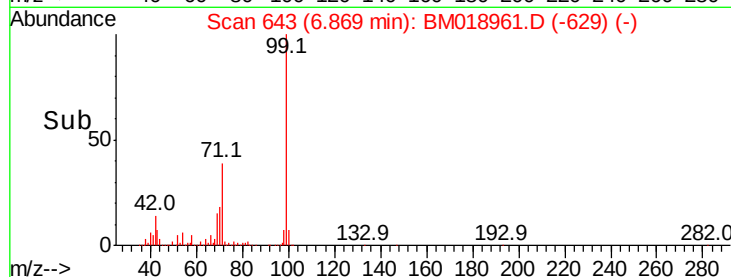
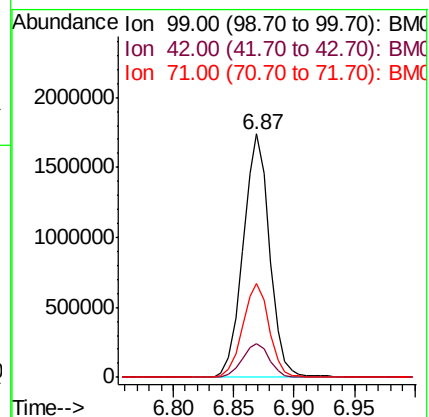
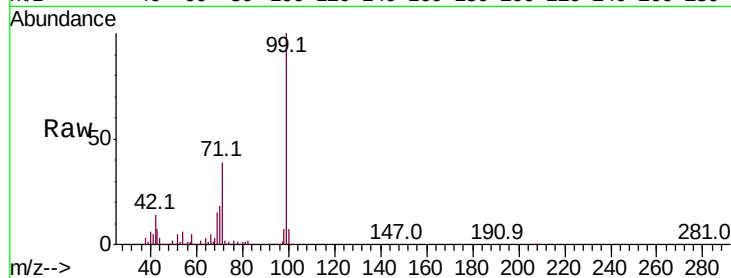
Tot Ion: 99 Resp: 2654240

Ion Ratio Lower Upper

99 100

42 14.1 11.0 16.6

71 38.7 31.3 46.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.47 min Scan# 1256

Delta R.T. -0.03 min

Lab File: BM018961.D

Acq: 27 Feb 2019 22:13

Tgt Ion: 136 Resp: 1023816

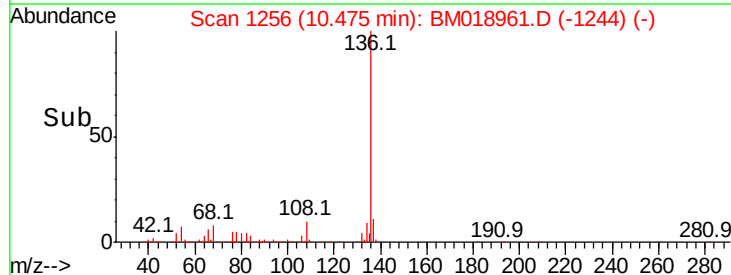
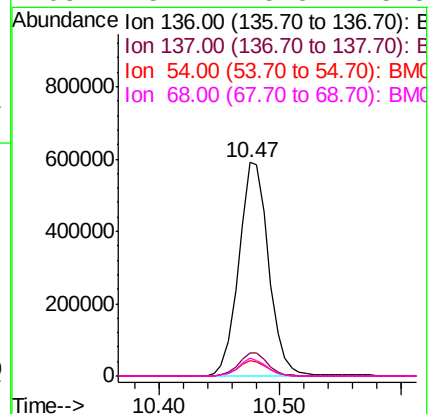
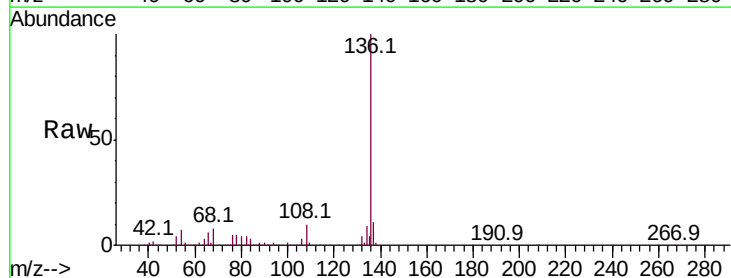
Ion Ratio Lower Upper

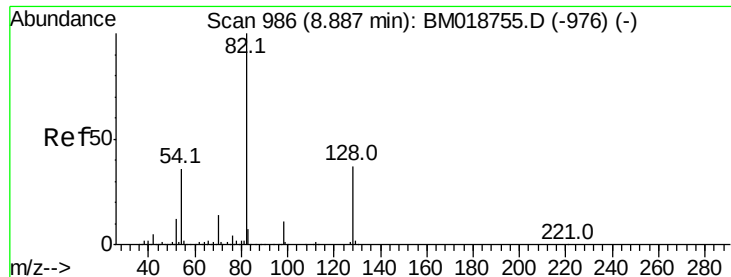
136 100

137 10.8 8.8 13.2

54 7.1 5.0 7.6

68 8.2 5.5 8.3

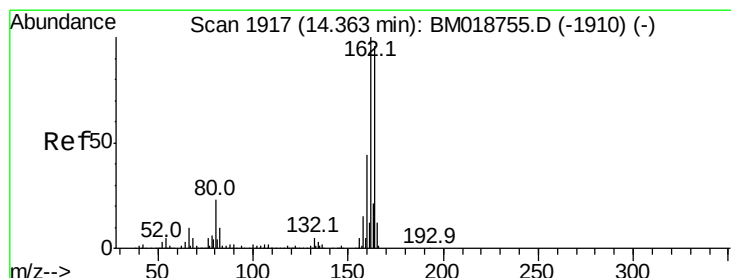
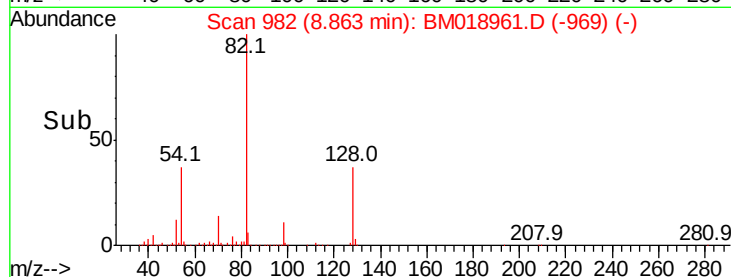
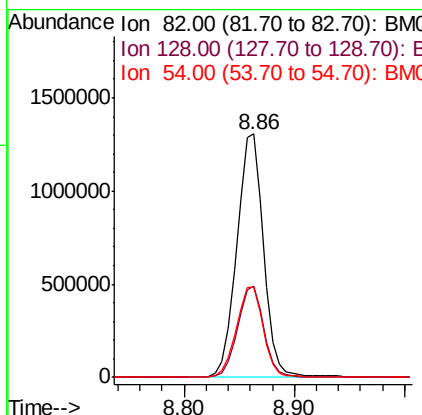
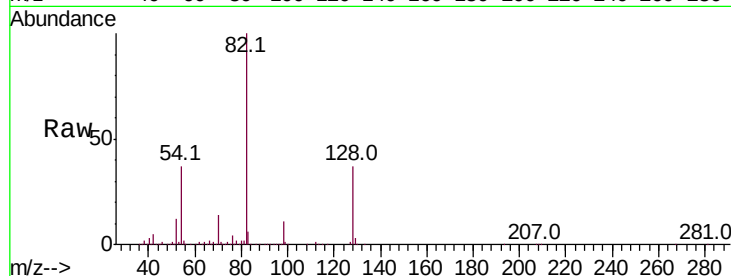




#23  
Nitrobenzene-d5  
Concen: 100.519 ng  
RT: 8.86 min Scan# 982  
Delta R.T. -0.02 min  
Lab File: BM018961.D  
Acq: 27 Feb 2019 22:13

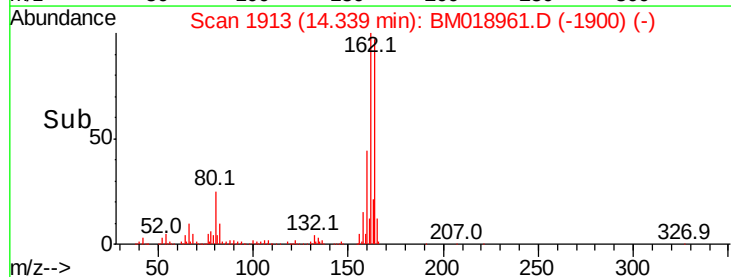
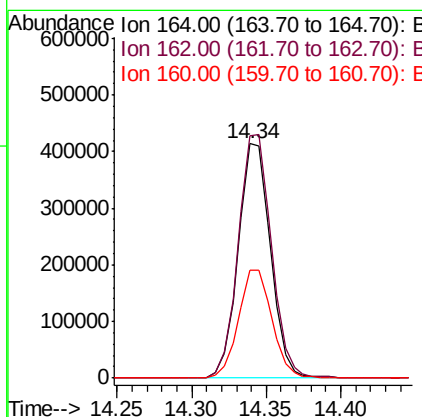
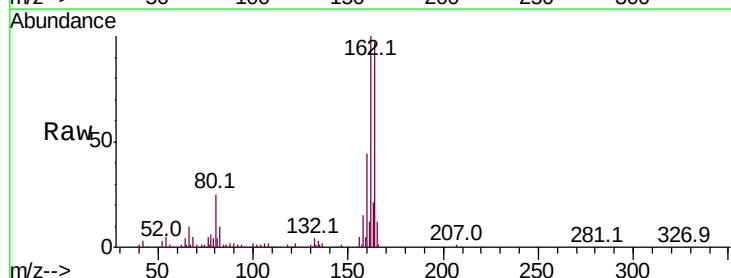
Instrument :  
BNA\_M  
ClientSampleId :  
WV-E

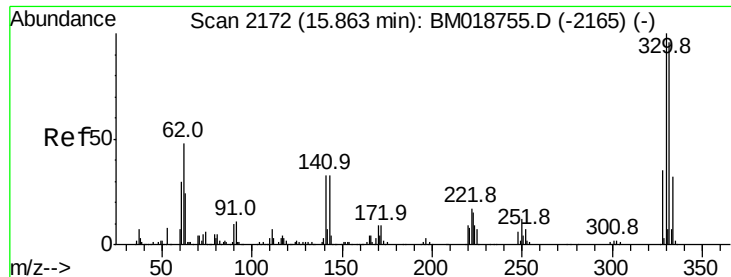
Tot Ion: 82 Resp: 2225695  
Ion Ratio Lower Upper  
82 100  
128 37.3 29.9 44.9  
54 36.8 29.1 43.7



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.34 min Scan# 1913  
Delta R.T. -0.02 min  
Lab File: BM018961.D  
Acq: 27 Feb 2019 22:13

Tgt Ion:164 Resp: 623736  
Ion Ratio Lower Upper  
164 100  
162 103.2 83.4 125.0  
160 45.8 36.6 55.0



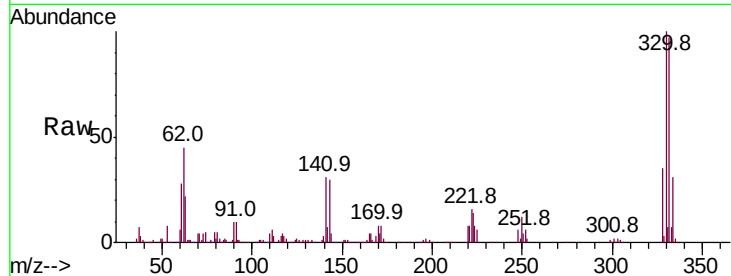


#42  
 2,4,6-Tribromophenol  
 Concen: 165.083 ng  
 RT: 15.84 min Scan# 2169  
 Delta R.T. -0.02 min  
 Lab File: BM018961.D  
 Acq: 27 Feb 2019 22:13

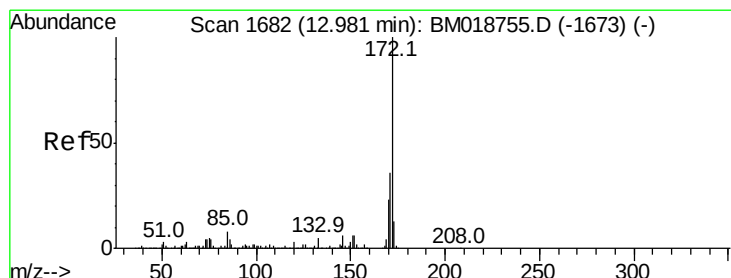
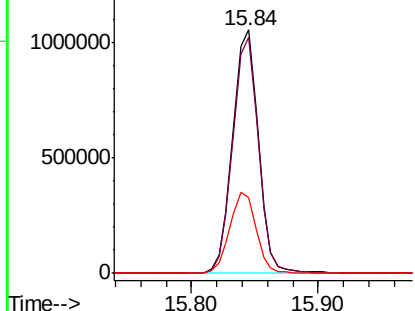
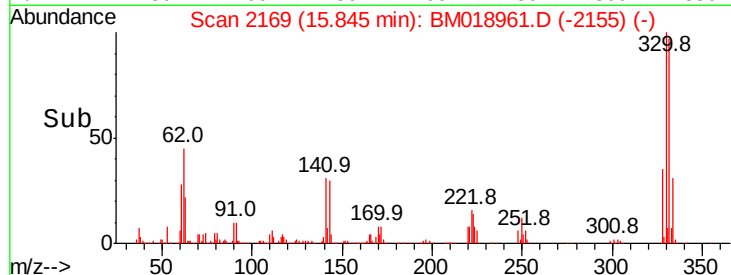
Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-E

Tot Ion:330 Resp: 1484257  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.4  | 76.9  | 115.3 |
| 141 | 34.3  | 28.7  | 43.1  |



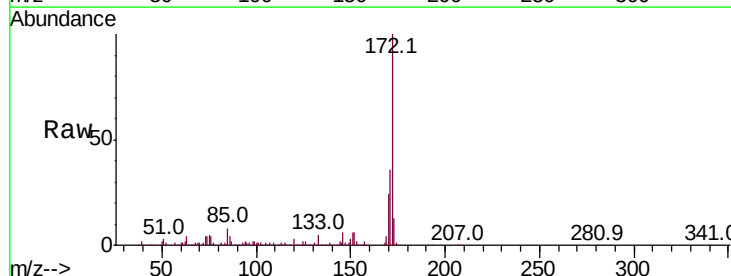
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E



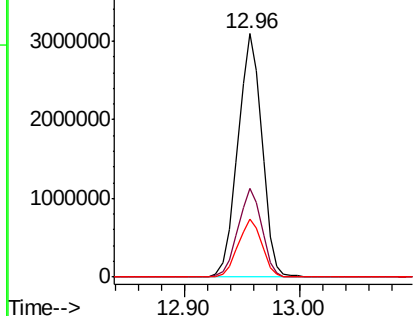
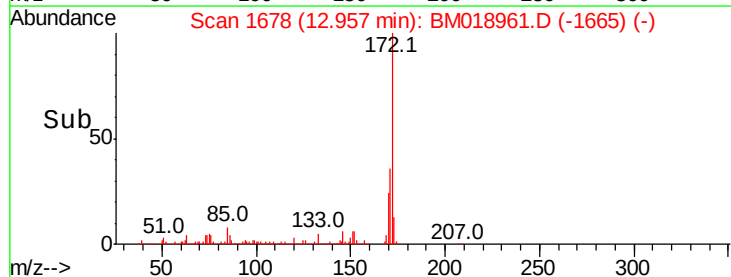
#45  
 2-Fluorobiphenyl  
 Concen: 95.506 ng  
 RT: 12.96 min Scan# 1678  
 Delta R.T. -0.02 min  
 Lab File: BM018961.D  
 Acq: 27 Feb 2019 22:13

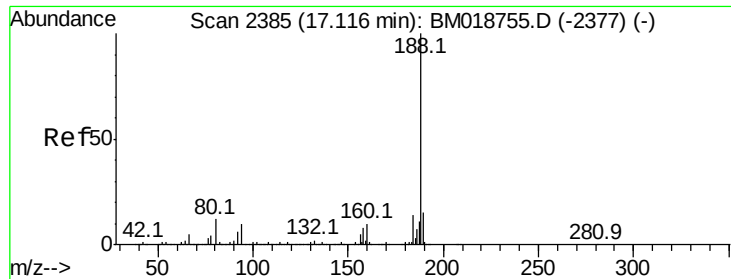
Tgt Ion:172 Resp: 4487484  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.2  | 29.0  | 43.6  |
| 170 | 23.8  | 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



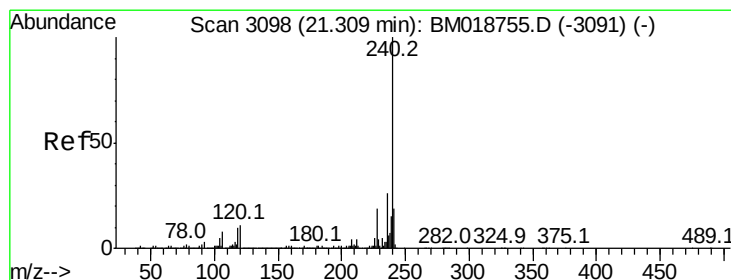
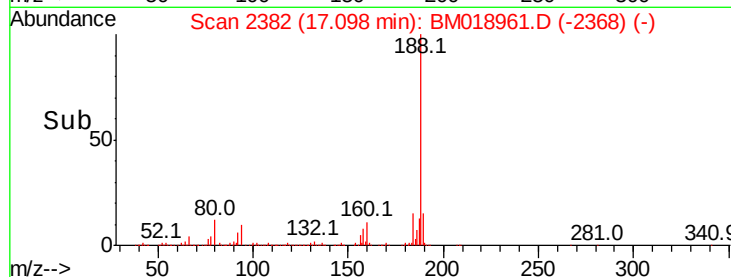
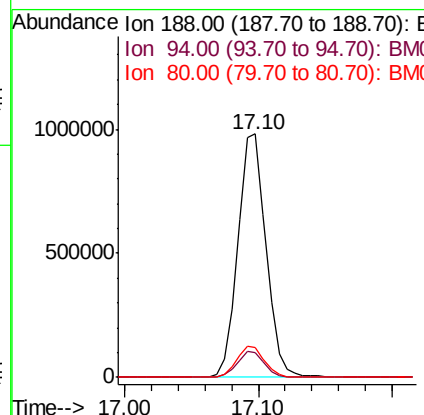
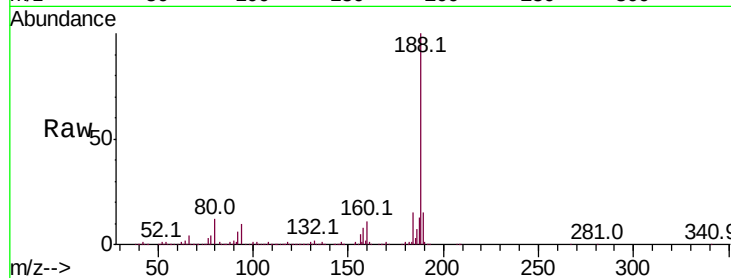


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.10 min Scan# 2382  
Delta R.T. -0.02 min  
Lab File: BM018961.D  
Acq: 27 Feb 2019 22:13

Instrument :  
BNA\_M  
ClientSampleId :  
WV-E

Tot Ion:188 Resp: 1441067  

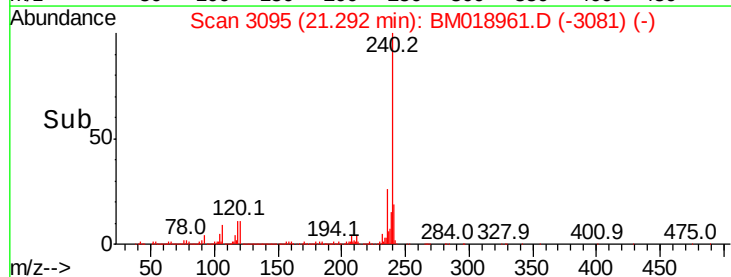
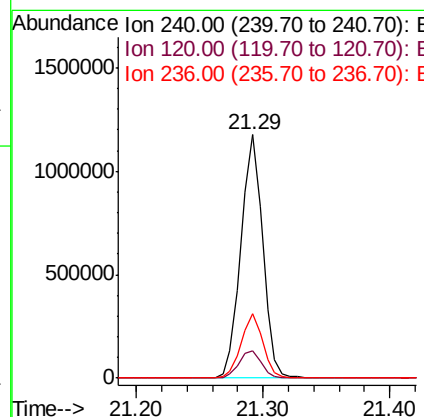
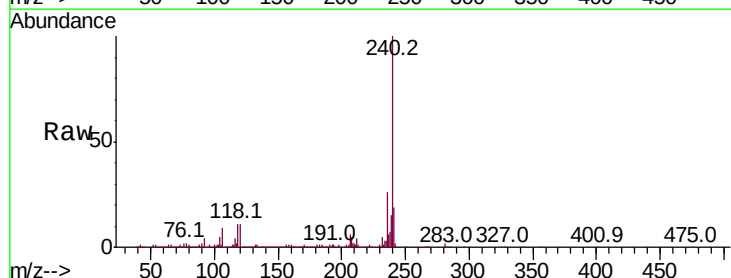
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.9   | 8.2   | 12.2  |
| 80  | 12.2  | 9.7   | 14.5  |

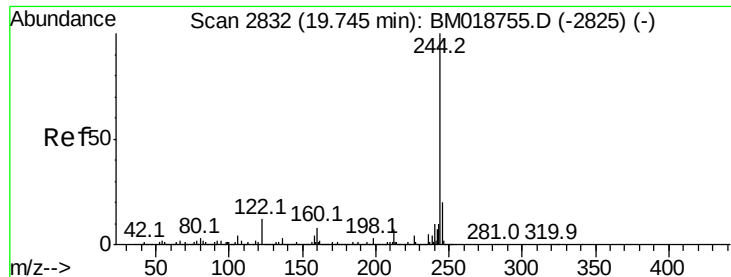


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.29 min Scan# 3095  
Delta R.T. -0.02 min  
Lab File: BM018961.D  
Acq: 27 Feb 2019 22:13

Tgt Ion:240 Resp: 1393323  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 11.2  | 8.9   | 13.3  |
| 236 | 26.3  | 20.9  | 31.3  |





#79

Terphenyl-d14

Concen: 120.545 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM018961.D

Acq: 27 Feb 2019 22:13

Instrument :

BNA\_M

ClientSampleId :

WV-E

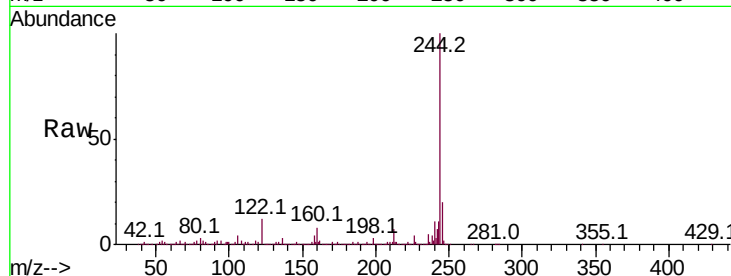
Tot Ion:244 Resp: 8141883

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

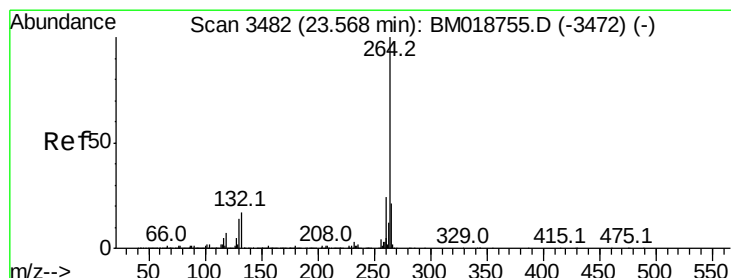
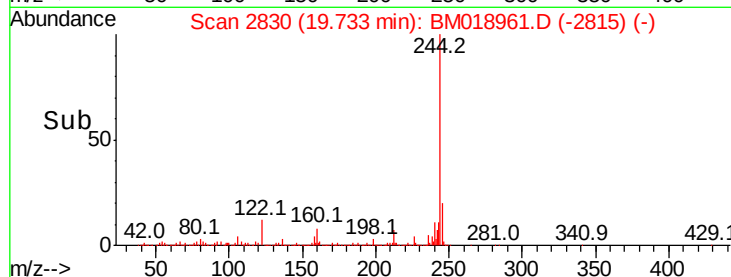
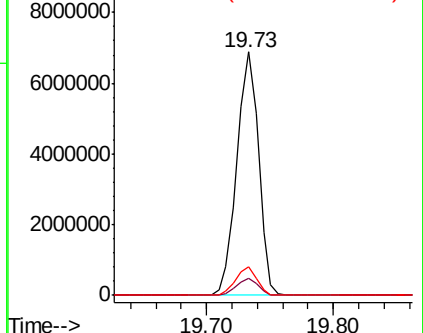
122 11.5 9.3 13.9



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: 23.54 min Scan# 3478

Delta R.T. -0.02 min

Lab File: BM018961.D

Acq: 27 Feb 2019 22:13

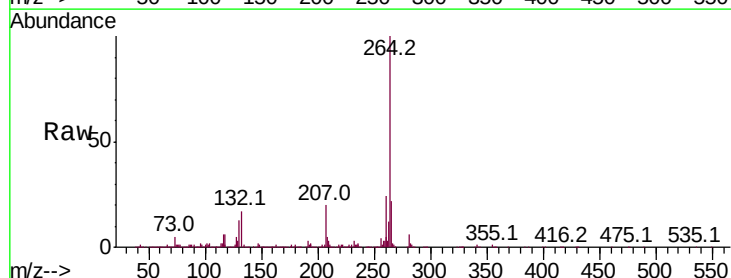
Tgt Ion:264 Resp: 1209656

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 21.7 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

