

Data Path : Z:\HPCHEM1\BNA M\Data\BM033017\  
 Data File : BM009463.D  
 Acq On : 30 Mar 2017 22:33  
 Operator : SJ/MA  
 Sample : I2436-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 1A-9-11

Quant Time: Mar 31 08:54:52 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 22 16:43:02 2017  
 Response via : Initial Calibration

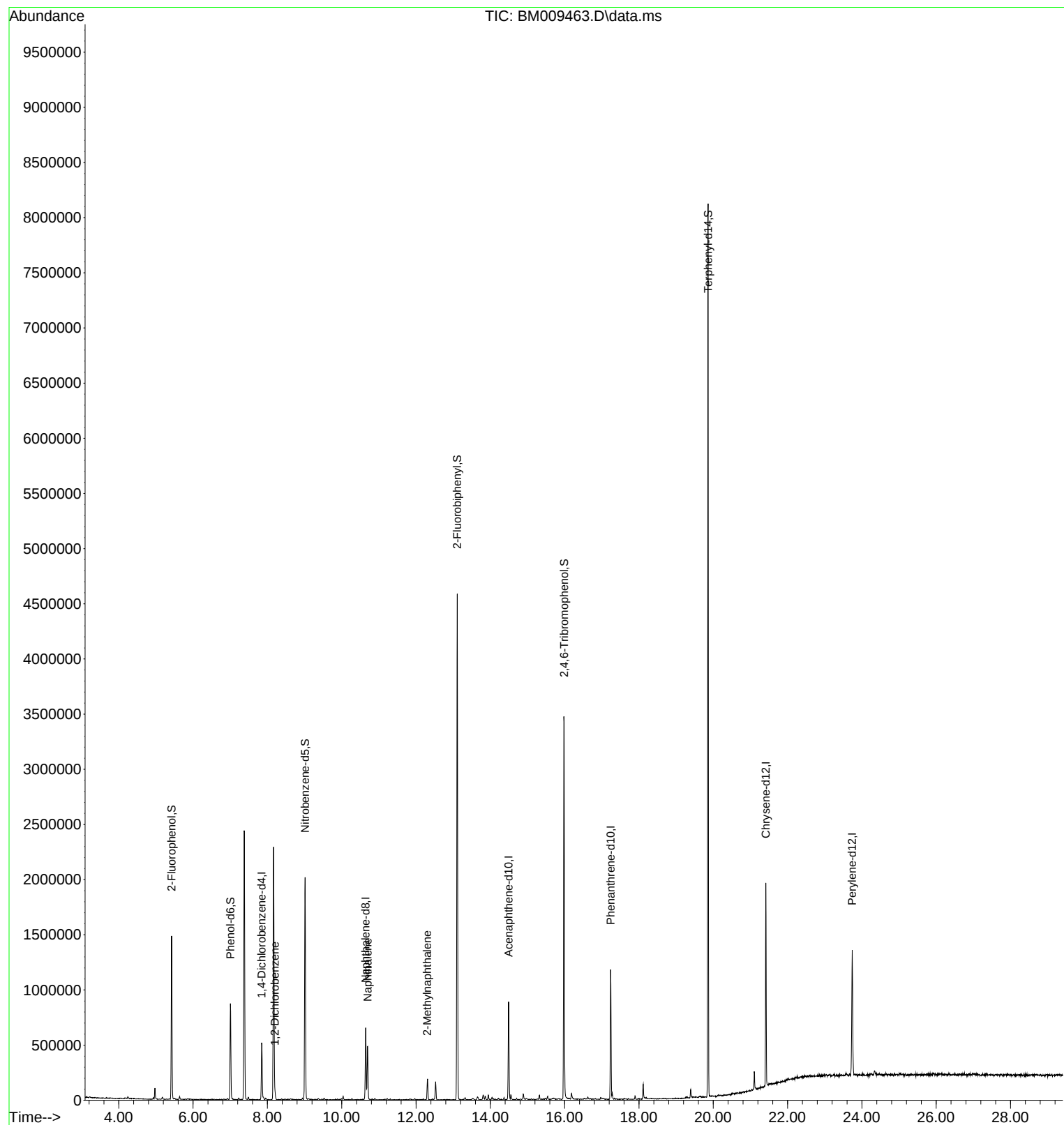
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|--------|------|----------|--------|-------|----------------|
| Internal Standards          |        |      |          |        |       |                |
| 1) 1,4-Dichlorobenzene-d4   | 7.845  | 152  | 117735   | 20.00  | ng    | -0.02          |
| 21) Naphthalene-d8          | 10.645 | 136  | 455720   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 14.492 | 164  | 259772   | 20.00  | ng    | -0.01          |
| 63) Phenanthrene-d10        | 17.239 | 188  | 640725   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 21.415 | 240  | 852288   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 23.739 | 264  | 789400   | 20.00  | ng    | -0.02          |
| System Monitoring Compounds |        |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.422  | 112  | 490335   | 69.42  | ng    | -0.01          |
| 7) Phenol-d6                | 7.004  | 99   | 408212   | 42.38  | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 9.016  | 82   | 1120791  | 92.21  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 15.986 | 330  | 520946   | 161.43 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 13.110 | 172  | 2097716  | 97.30  | ng    | -0.01          |
| 78) Terphenyl-d14           | 19.862 | 244  | 3330859  | 81.67  | ng    | 0.00           |
| Target Compounds            |        |      |          |        |       |                |
| 14) 1,2-Dichlorobenzene     | 8.204  | 146  | 25947    | 3.02   | ng    | Qvalue<br># 86 |
| 31) Naphthalene             | 10.698 | 128  | 346211   | 14.31  | ng    | 99             |
| 37) 2-Methylnaphthalene     | 12.304 | 142  | 75214    | 4.50   | ng    | 91             |

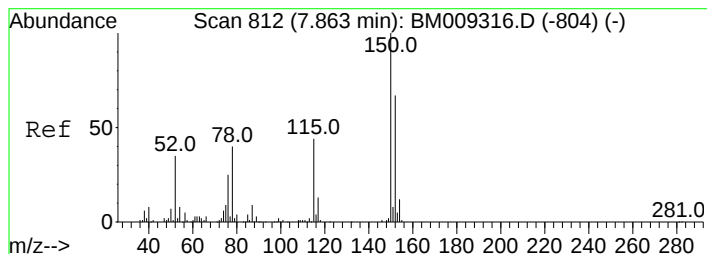
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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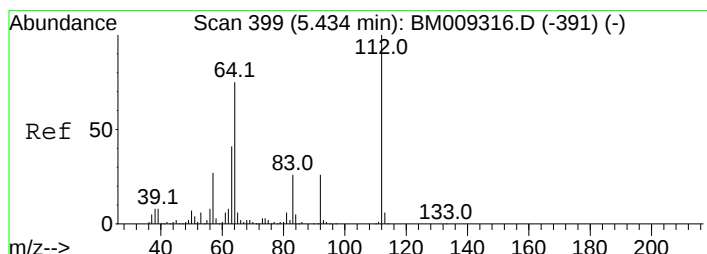
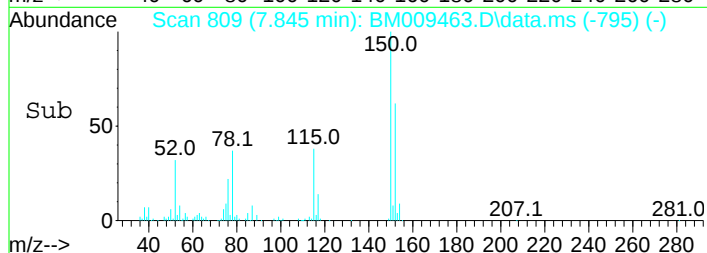
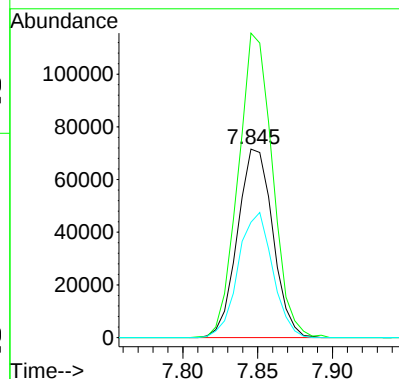
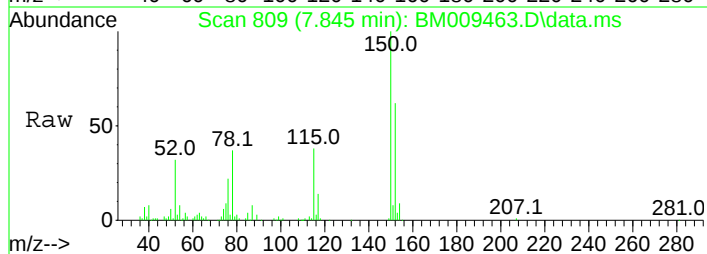




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.845 min Scan# 809  
 Delta R.T. -0.018 min  
 Lab File: BM009463.D  
 Acq: 30 Mar 2017 22:33

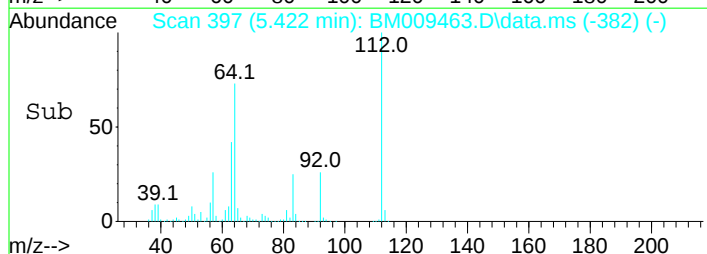
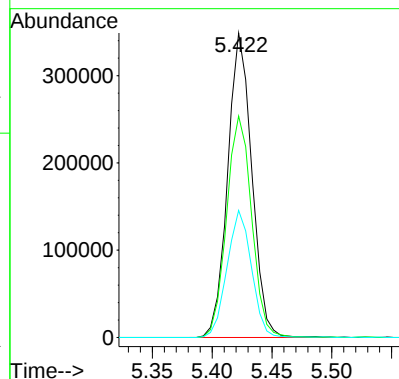
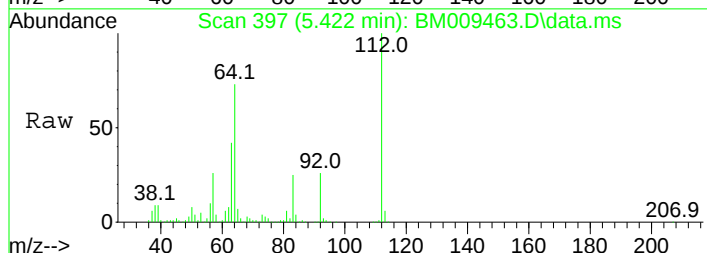
Instrument :  
 BNA\_M  
 ClientSampleId :  
 1A-9-11

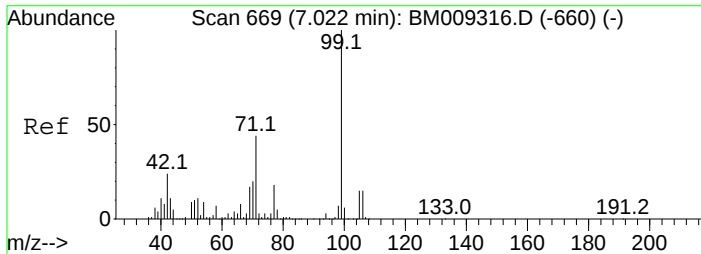
Tgt Ion:152 Resp: 117735  
 Ion Ratio Lower Upper  
 152 100  
 150 161.6 119.5 179.3  
 115 61.2 43.0 64.4



#5  
 2-Fluorophenol  
 Concen: 69.42 ng  
 RT: 5.422 min Scan# 397  
 Delta R.T. -0.011 min  
 Lab File: BM009463.D  
 Acq: 30 Mar 2017 22:33

Tgt Ion:112 Resp: 490335  
 Ion Ratio Lower Upper  
 112 100  
 64 72.7 38.6 57.8#  
 63 41.7 19.3 28.9#

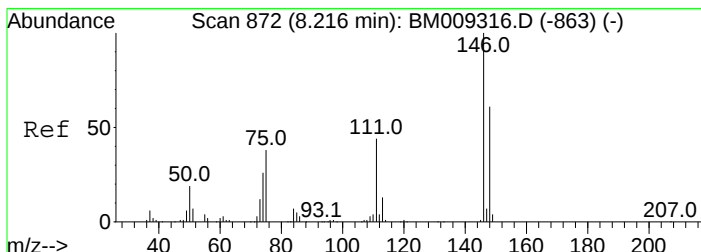
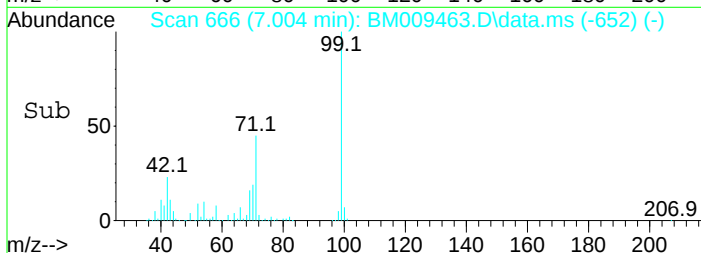
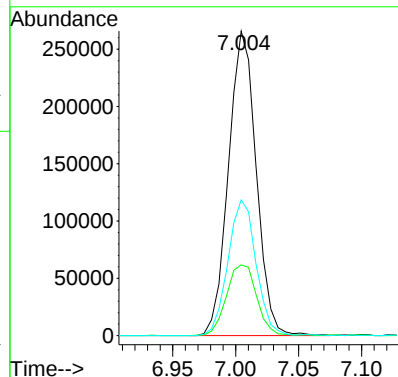
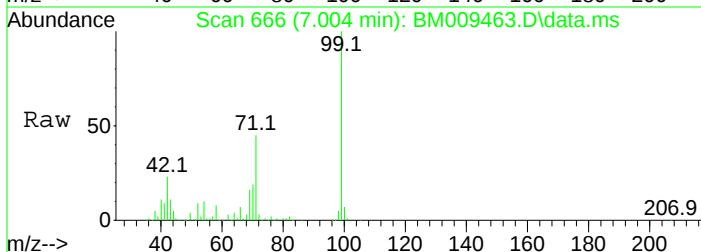




#7  
Phenol-d6  
Concen: 42.38 ng  
RT: 7.004 min Scan# 666  
Delta R.T. -0.018 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

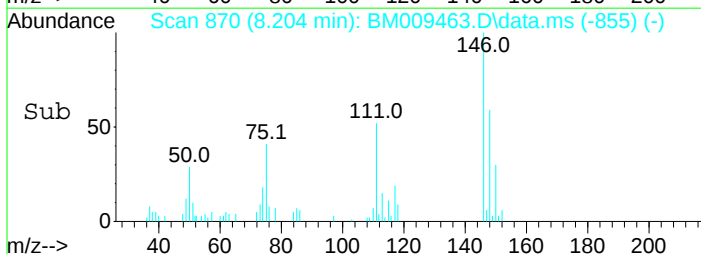
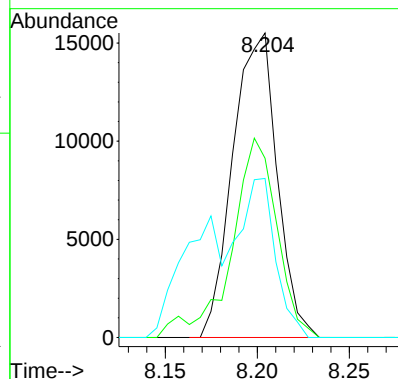
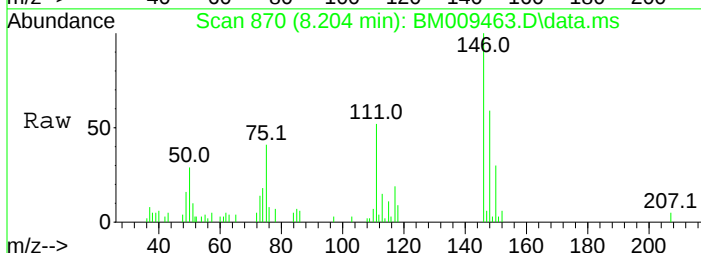
Instrument :  
BNA\_M  
ClientSampleId :  
1A-9-11

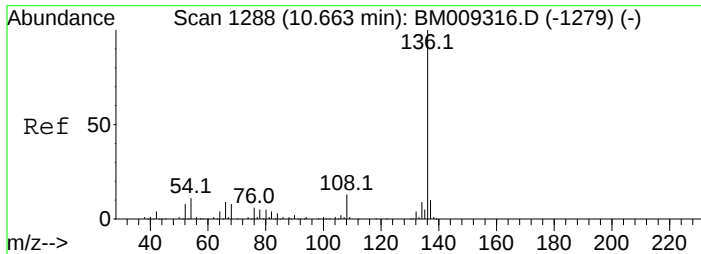
Tgt Ion: 99 Resp: 408212  
Ion Ratio Lower Upper  
99 100  
42 23.2 11.0 16.4#  
71 44.6 23.4 35.2#



#14  
1,2-Dichlorobenzene  
Concen: 3.02 ng  
RT: 8.204 min Scan# 870  
Delta R.T. -0.012 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

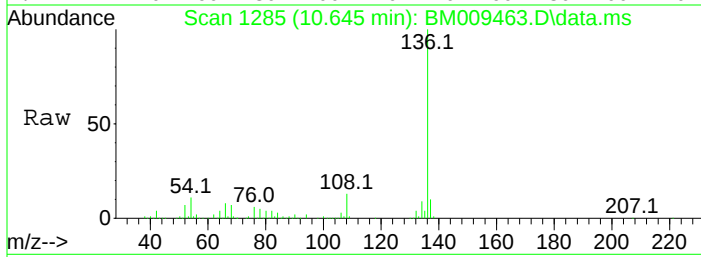
Tgt Ion: 146 Resp: 25947  
Ion Ratio Lower Upper  
146 100  
148 58.8 52.3 78.5  
111 52.2 30.6 45.8#



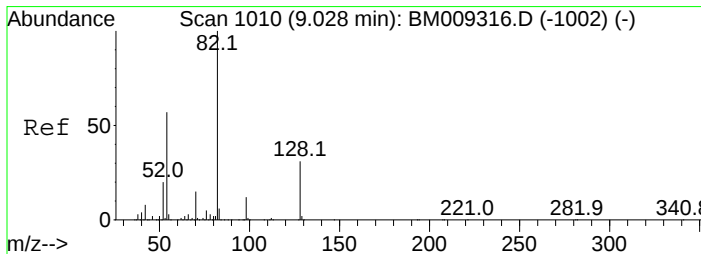
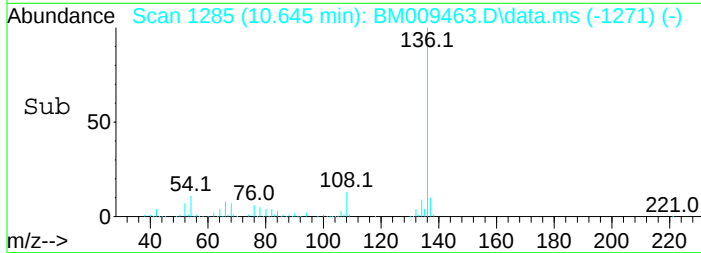
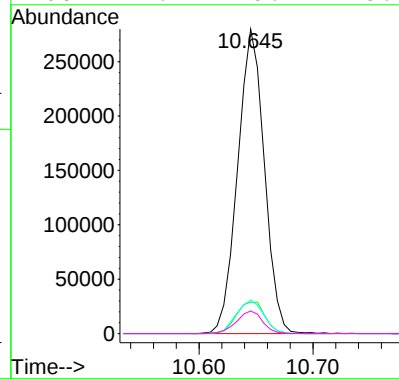


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.645 min Scan# 1285  
Delta R.T. -0.018 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

Instrument :  
BNA\_M  
ClientSampleId :  
1A-9-11

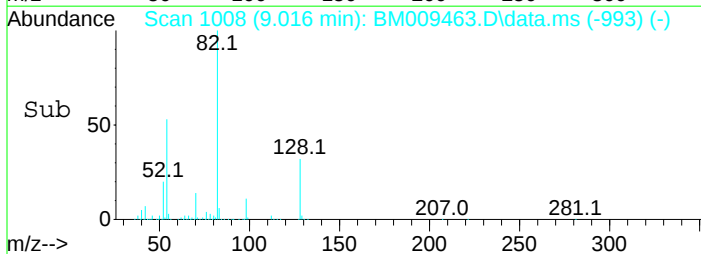
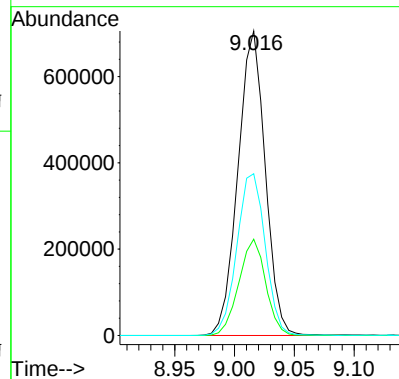
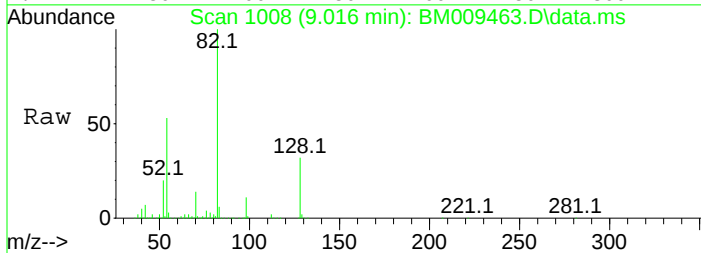


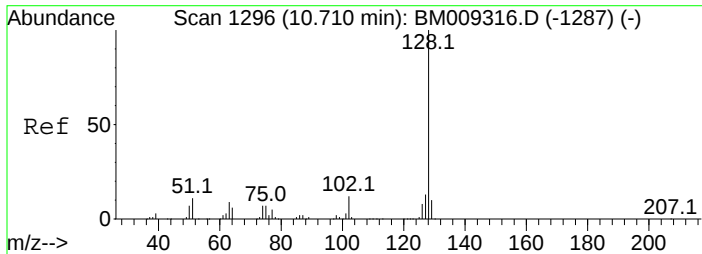
Tgt Ion: 136 Resp: 455720  
Ion Ratio Lower Upper  
136 100  
137 10.3 8.7 13.1  
54 11.0 4.6 6.8#  
68 7.4 3.7 5.5#



#23  
Nitrobenzene-d5  
Concen: 92.21 ng  
RT: 9.016 min Scan# 1008  
Delta R.T. -0.012 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

Tgt Ion: 82 Resp: 1120791  
Ion Ratio Lower Upper  
82 100  
128 31.7 32.8 49.2#  
54 53.1 40.6 60.8

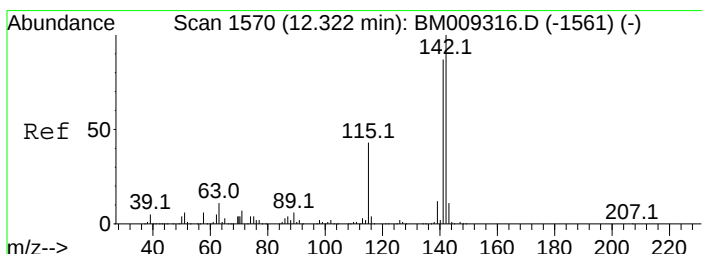
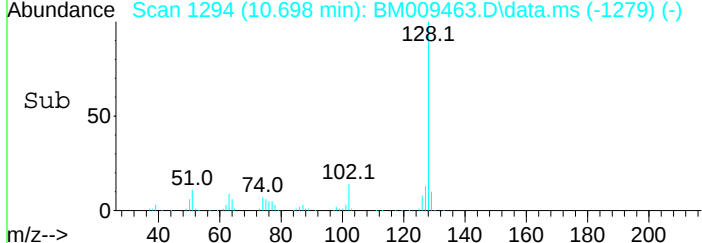
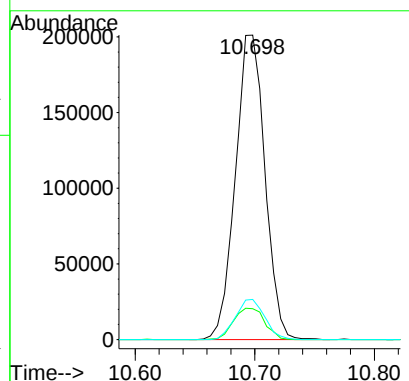
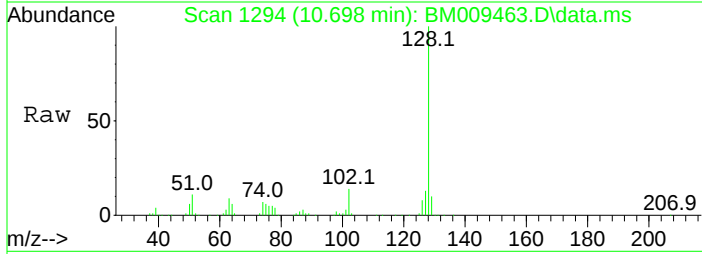




#31  
Naphthalene  
Concen: 14.31 ng  
RT: 10.698 min Scan# 1294  
Delta R.T. -0.012 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

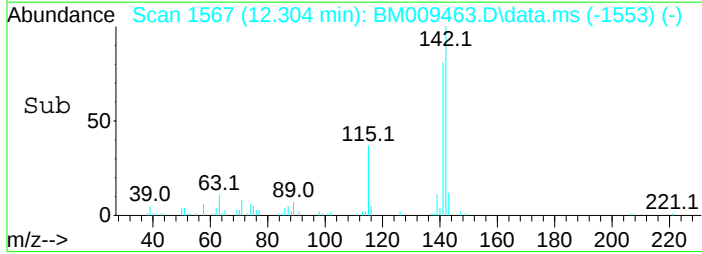
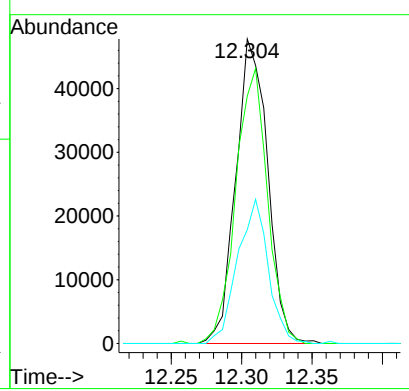
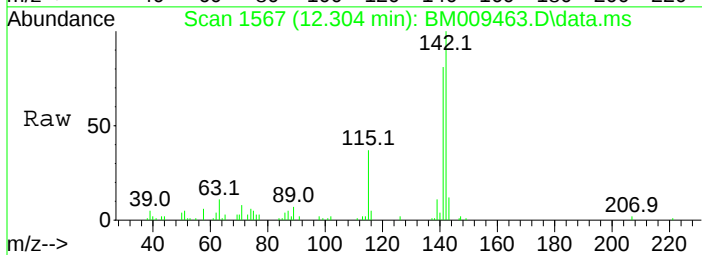
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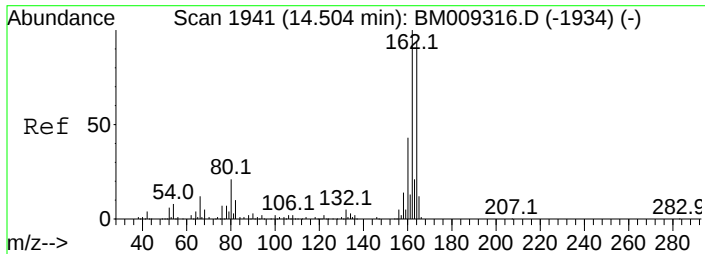
|             |                |
|-------------|----------------|
| Tgt Ion:128 | Resp: 346211   |
| Ion Ratio   | Lower Upper    |
| 128         | 100            |
| 129         | 10.1 8.9 13.3  |
| 127         | 13.2 10.4 15.6 |



#37  
2-Methylnaphthalene  
Concen: 4.50 ng  
RT: 12.304 min Scan# 1567  
Delta R.T. -0.018 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

|             |                 |
|-------------|-----------------|
| Tgt Ion:142 | Resp: 75214     |
| Ion Ratio   | Lower Upper     |
| 142         | 100             |
| 141         | 81.2 71.9 107.9 |
| 115         | 37.4 25.4 38.0  |

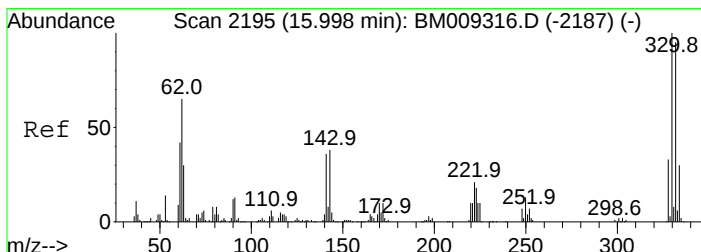
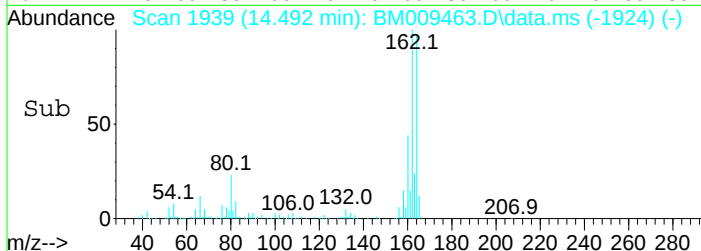
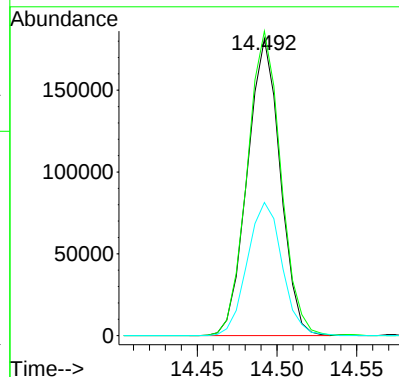
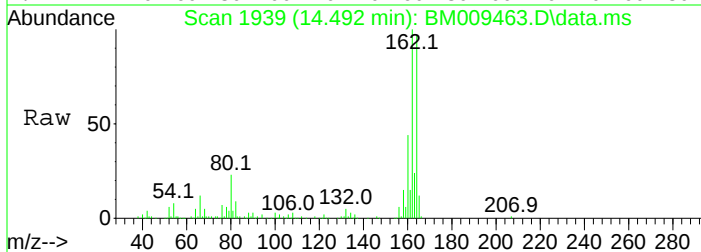




#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.492 min Scan# 1939  
Delta R.T. -0.012 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

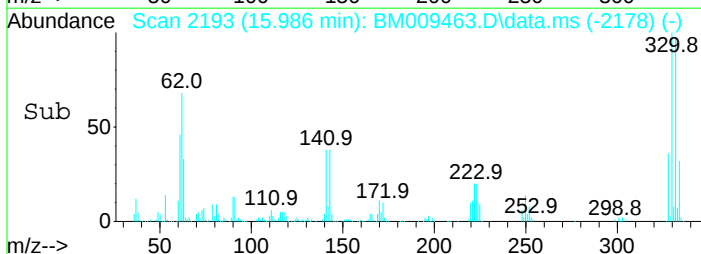
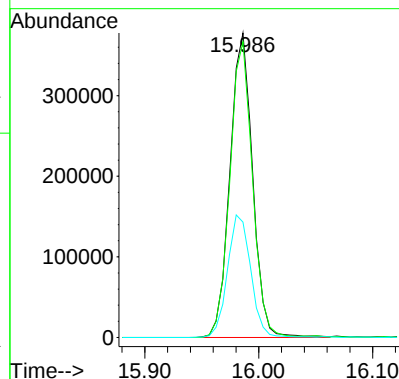
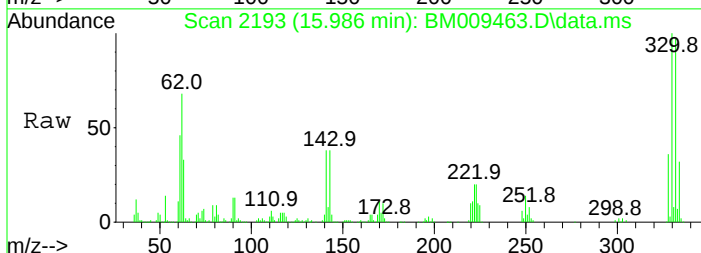
Instrument :  
BNA\_M  
ClientSampleId :  
1A-9-11

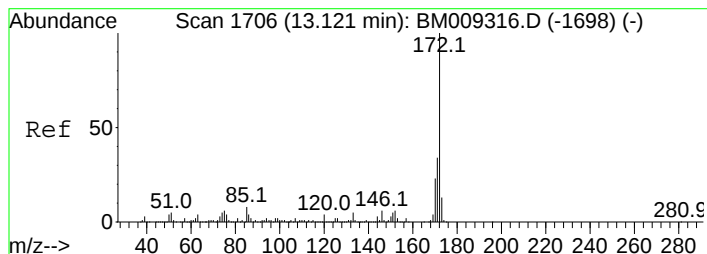
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 82.4  | 123.6 |
| 160     | 44.9  | 35.8  | 53.6  |



#41  
2,4,6-Tribromophenol  
Concen: 161.43 ng  
RT: 15.986 min Scan# 2193  
Delta R.T. -0.012 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 0.0   | 0.0#  |
| 141     | 41.3  | 0.0   | 0.0#  |

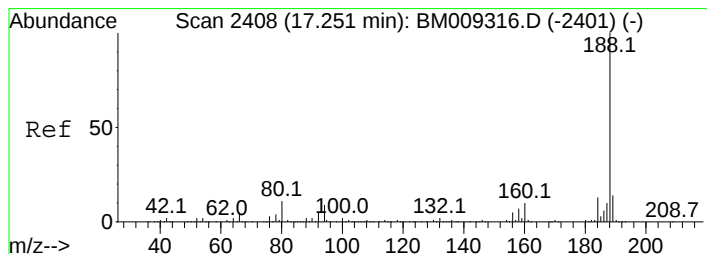
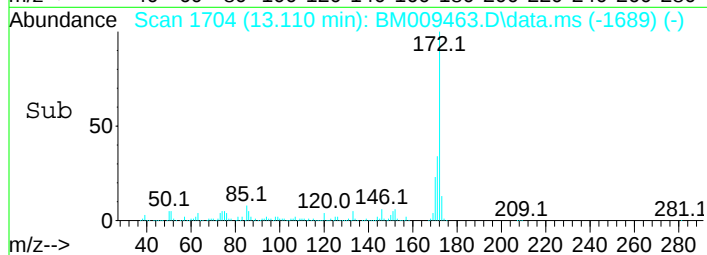
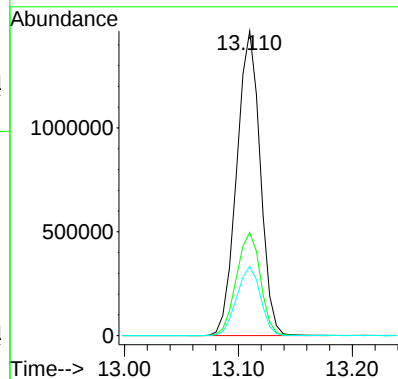
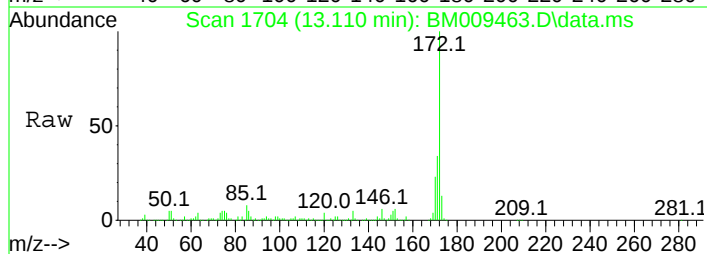




#44  
2-Fluorobiphenyl  
Concen: 97.30 ng  
RT: 13.110 min Scan# 1704  
Delta R.T. -0.012 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

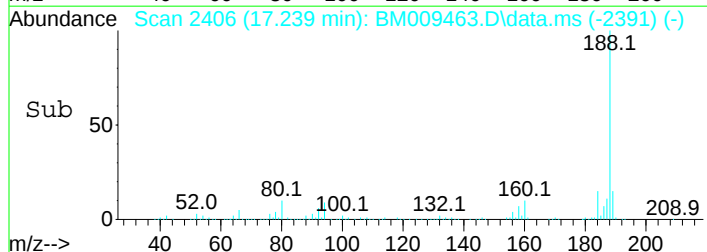
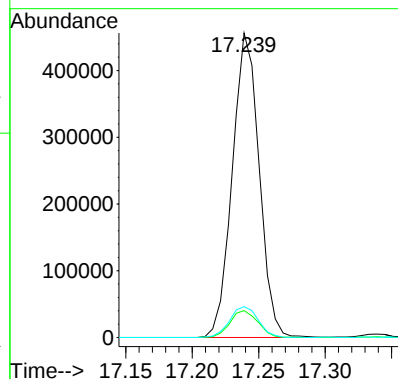
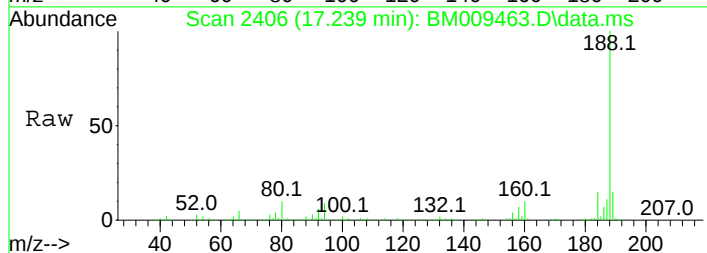
Instrument :  
BNA\_M  
ClientSampleId :  
1A-9-11

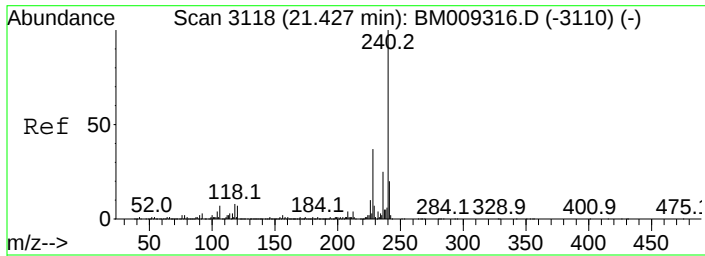
Tgt Ion:172 Resp: 2097716  
Ion Ratio Lower Upper  
172 100  
171 33.9 28.5 42.7  
170 22.7 18.8 28.2



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.239 min Scan# 2406  
Delta R.T. -0.012 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

Tgt Ion:188 Resp: 640725  
Ion Ratio Lower Upper  
188 100  
94 8.8 8.7 13.1  
80 10.1 9.3 13.9

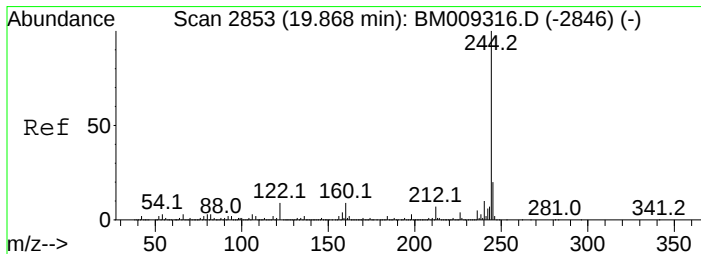
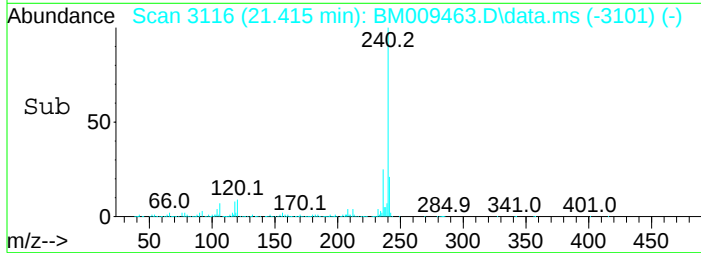
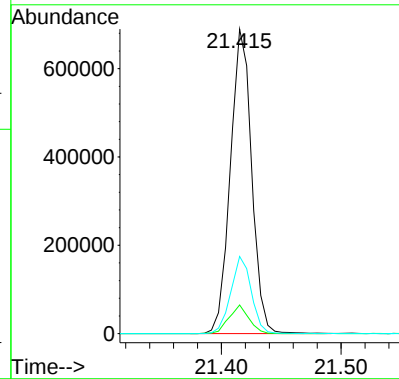
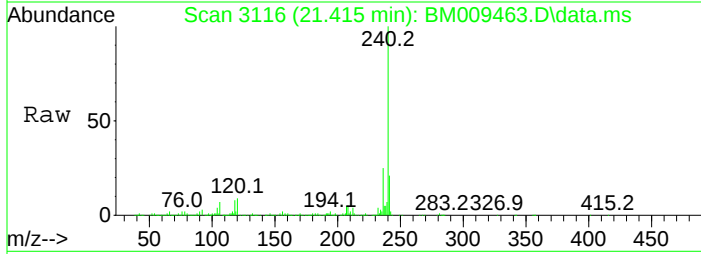




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.415 min Scan# 3116  
Delta R.T. -0.012 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

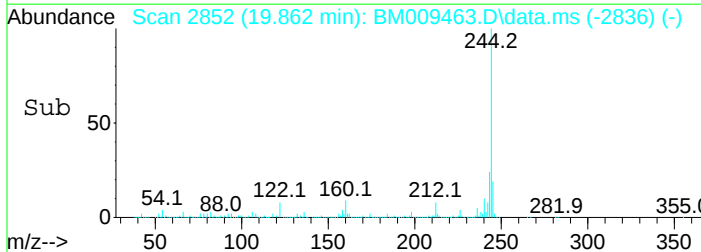
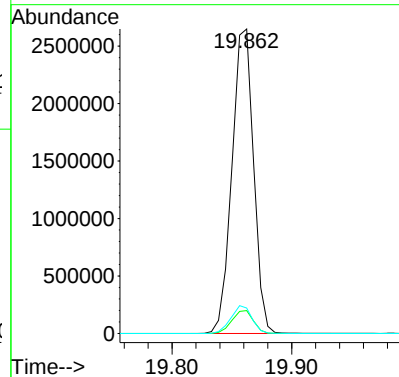
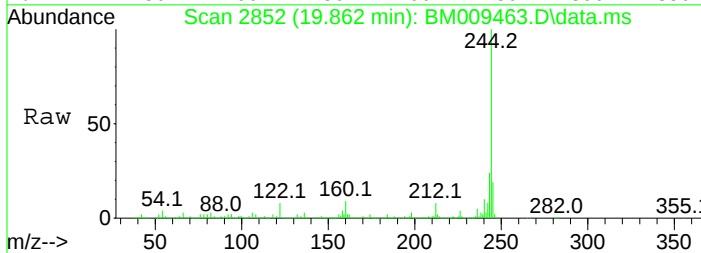
Instrument :  
BNA\_M  
ClientSampleId :  
1A-9-11

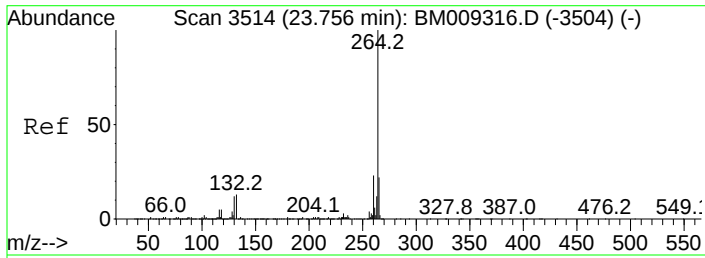
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 852288 |       |       |
| 120     | 9.4   | 8.2    | 12.2  |       |
| 236     | 25.3  | 20.0   | 30.0  |       |



#78  
Terphenyl-d14  
Concen: 81.67 ng  
RT: 19.862 min Scan# 2852  
Delta R.T. -0.006 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 244     | 100   | 3330859 |       |       |
| 212     | 7.5   | 4.9     | 7.3#  |       |
| 122     | 8.3   | 6.2     | 9.4   |       |





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.739 min Scan# 3511  
Delta R.T. -0.018 min  
Lab File: BM009463.D  
Acq: 30 Mar 2017 22:33

Instrument :  
BNA\_M  
ClientSampleId :  
1A-9-11

Tgt Ion: 264 Resp: 789400  
Ion Ratio Lower Upper  
264 100  
260 22.5 18.6 27.8  
265 22.4 17.3 25.9

